

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016038.D
 Acq On : 23 Jul 2018 22:41
 Operator : SJ/JU
 Sample : J3762-03
 Misc : MDL 5 PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Quant Time: Jul 24 06:07:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	38158	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	143106	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	77845	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	167377	20.00	ng	0.00
75) Chrysene-d12	21.70	240	183894	20.00	ng	0.00
86) Perylene-d12	24.07	264	200234	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.74	112	296832	129.22	ng	0.00
7) Phenol-d6	7.39	99	360601	120.20	ng	0.00
23) Nitrobenzene-d5	9.42	82	278475	90.51	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	128135	129.78	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	565539	88.40	ng	0.00
78) Terphenyl-d14	20.16	244	1089590	124.03	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	4676	4.345	ng	# 100
3) Pyridine	4.01	79	4152	1.601	ng	# 75
4) n-Nitrosodimethylamine	3.90	42	8204	4.057	ng	# 39
6) Aniline	7.56	93	8961	2.594	ng	92
8) 2-Chlorophenol	7.79	128	12371	4.531	ng	95
9) Benzaldehyde	7.39	77	11337	5.379	ng	# 78
10) Phenol	7.41	94	13581	4.527	ng	# 78
11) bis(2-Chloroethyl)ether	7.66	93	9455	3.990	ng	84
12) 1,3-Dichlorobenzene	8.12	146	13729	4.296	ng	# 85
13) 1,4-Dichlorobenzene	8.27	146	14088	4.347	ng	# 95
14) 1,2-Dichlorobenzene	8.59	146	13872	4.374	ng	93
15) Benzyl Alcohol	8.50	79	6143	2.572	ng	# 85
16) 2,2'-oxybis(1-Chloropropan	8.76	45	14734	4.062	ng	86
17) 2-Methylphenol	8.69	107	8407	4.100	ng	# 72
18) Hexachloroethane	9.31	117	6107	4.359	ng	97
19) n-Nitroso-di-n-propylamine	9.05	70	8024	3.659	ng	# 69
20) 3+4-Methylphenols	9.02	107	10394	3.524	ng	87
22) Acetophenone	9.09	105	16428	4.559	ng	# 86
24) Nitrobenzene	9.46	77	15209	4.911	ng	96
25) Isophorone	9.98	82	20066	4.768	ng	# 95
26) 2-Nitrophenol	10.19	139	4012	3.103	ng	# 59
27) 2,4-Dimethylphenol	10.23	122	9265	5.144	ng	88
28) bis(2-Chloroethoxy)methane	10.46	93	12488	4.565	ng	93
29) 2,4-Dichlorophenol	10.72	162	8970	4.191	ng	95
30) 1,2,4-Trichlorobenzene	10.92	180	11323	4.354	ng	# 95
31) Naphthalene	11.10	128	36260	5.006	ng	99
32) Benzoic acid	10.34	122	3017	2.197	ng	# 85
33) 4-Chloroaniline	11.24	127	7071	2.392	ng	# 93
34) Hexachlorobutadiene	11.36	225	7902	4.381	ng	92
35) Caprolactam	12.01	113	1372	2.314	ng	90
36) 4-Chloro-3-methylphenol	12.35	107	8938	3.797	ng	86
37) 2-Methylnaphthalene	12.70	142	24712	5.093	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	13.06	216	12223	4.612	ng	# 100
40) Hexachlorocyclopentadiene	13.02	237	2720	9.563	ng	85

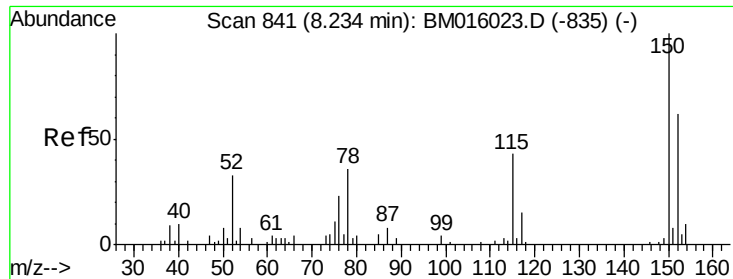
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016038.D
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.31	196	6194	3.736	ng	98
43) 2,4,5-Trichlorophenol	13.39	196	7005	4.096	ng	# 78
45) 1,1'-Biphenyl	13.69	154	32788	4.667	ng	100
46) 2-Chloronaphthalene	13.74	162	24869	4.551	ng	# 89
47) 2-Nitroaniline	13.97	65	5576	3.087	ng	# 78
48) Acenaphthylene	14.59	152	37275	4.660	ng	95
49) Dimethylphthalate	14.30	163	31947	4.689	ng	# 99
50) 2,6-Dinitrotoluene	14.44	165	5224	3.811	ng	# 45
51) Acenaphthene	14.92	154	23426	4.762	ng	98
52) 3-Nitroaniline	14.80	138	3294	2.225	ng	# 78
53) 2,4-Dinitrophenol	15.04	184	871	7.485	ng	# 83
54) Dibenzofuran	15.26	168	37562	4.633	ng	# 81
55) 4-Nitrophenol	15.14	139	1789	1.686	ng	# 69
56) 2,4-Dinitrotoluene	15.25	165	6643	3.389	ng	# 43
57) Fluorene	15.90	166	29238	4.853	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.49	232	6282	4.273	ng	# 100
59) Diethylphthalate	15.65	149	32934	4.485	ng	93
60) 4-Chlorophenyl-phenylether	15.88	204	14479	4.317	ng	# 74
61) 4-Nitroaniline	15.95	138	3557	2.504	ng	# 15
62) Azobenzene	16.17	77	32696	4.228	ng	# 74
64) 4,6-Dinitro-2-methylphenol	16.00	198	2747	2.704	ng	93
65) n-Nitrosodiphenylamine	16.10	169	24627	4.468	ng	99
66) 4-Bromophenyl-phenylether	16.77	248	8243	4.349	ng	# 72
67) Hexachlorobenzene	16.89	284	9517	4.560	ng	# 66
68) Atrazine	17.03	200	7835	3.966	ng	95
69) Pentachlorophenol	17.24	266	3220	2.491	ng	94
70) Phenanthrene	17.63	178	47564	5.076	ng	97
71) Anthracene	17.72	178	43714	4.800	ng	97
72) Carbazole	17.99	167	38956	4.129	ng	# 94
73) Di-n-butylphthalate	18.51	149	45633	3.881	ng	# 95
74) Fluoranthene	19.62	202	50255	4.808	ng	99
76) Benzidine	19.80	184	9491	1.847	ng	# 96
77) Pyrene	19.97	202	51495	4.673	ng	99
79) Butylbenzylphthalate	20.83	149	22199	3.965	ng	# 83
80) Benzo(a)anthracene	21.69	228	56213	4.963	ng	99
81) 3,3'-Dichlorobenzidine	21.61	252	15493	3.396	ng	# 88
82) Chrysene	21.74	228	54676	5.032	ng	99
83) Bis(2-ethylhexyl)phthalate	21.57	149	30704	3.784	ng	# 93
84) Di-n-octyl phthalate	22.48	149	54389	3.989	ng	# 86
85) Indeno(1,2,3-cd)pyrene	26.50	276	68234	5.292	ng	# 93
87) Benzo(b)fluoranthene	23.35	252	56180	4.765	ng	# 94
88) Benzo(k)fluoranthene	23.40	252	59552	4.984	ng	94
89) Benzo(a)pyrene	23.97	252	57032	5.032	ng	96
90) Dibenzo(a,h)anthracene	26.50	278	57687	4.913	ng	96
91) Benzo(g,h,i)perylene	27.26	276	55862	5.030	ng	98

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

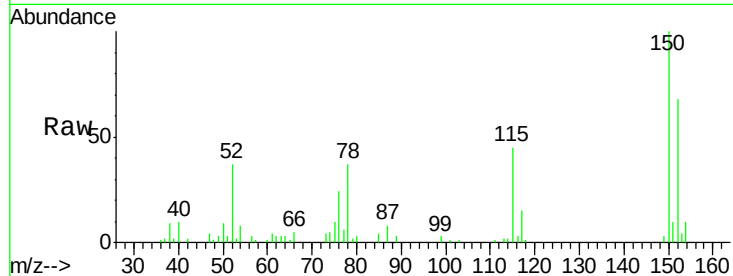


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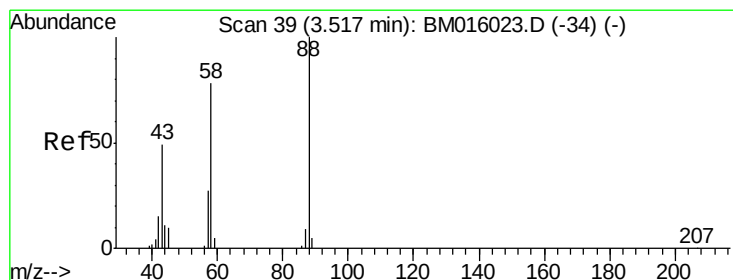
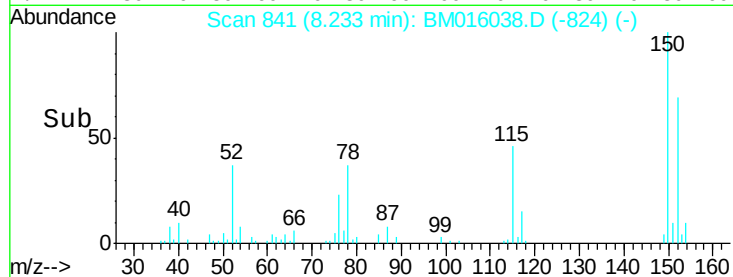
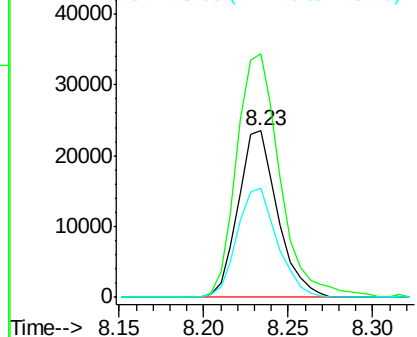
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 841
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:152 Resp: 38158
Ion Ratio Lower Upper
152 100
150 146.5 119.5 179.3
115 65.6 43.0 64.4#



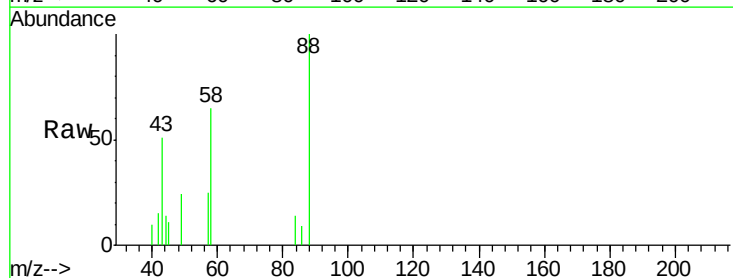
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



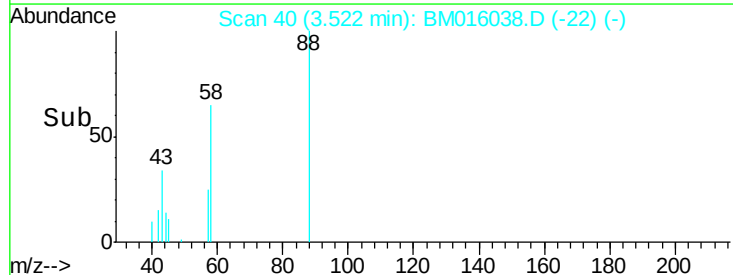
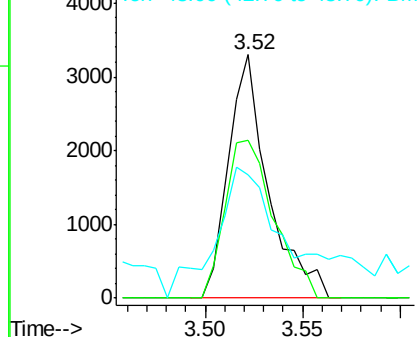
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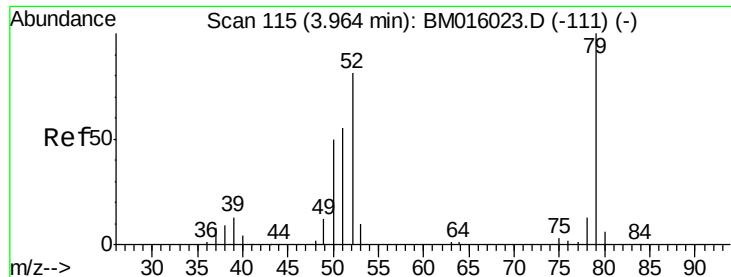
1,4-Dioxane
Concen: 4.345 ng
RT: 3.52 min Scan# 40
Delta R.T. 0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion: 88 Resp: 4676
Ion Ratio Lower Upper
88 100
58 79.3 0.0 0.0#
43 104.3 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

Concen: 1.601 ng

RT: 4.01 min Scan# 123

Delta R.T. 0.05 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

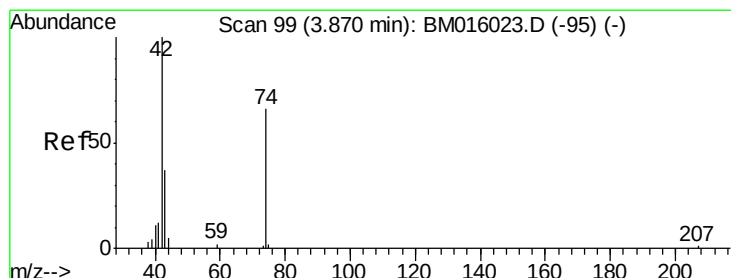
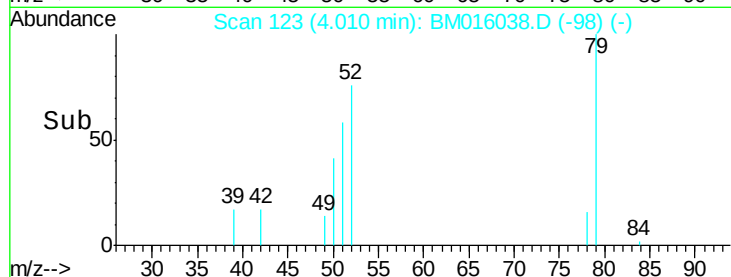
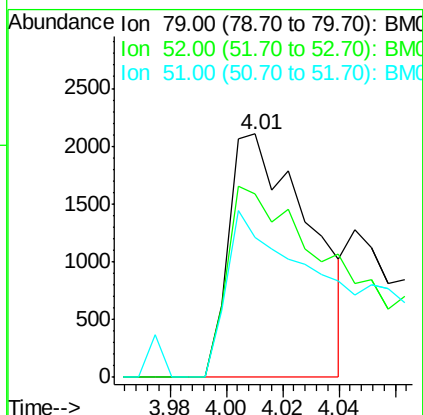
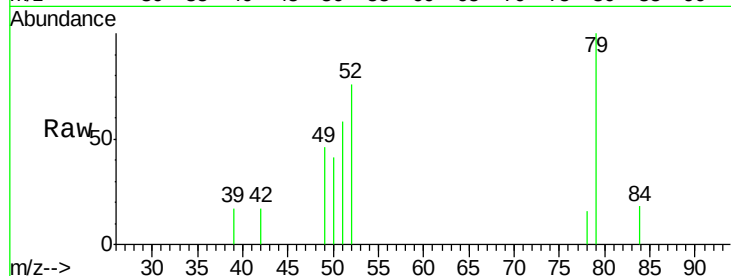
Tgt Ion: 79 Resp: 4152

Ion Ratio Lower Upper

79 100

52 75.6 51.1 76.7

51 57.7 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 4.057 ng

RT: 3.90 min Scan# 104

Delta R.T. 0.03 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

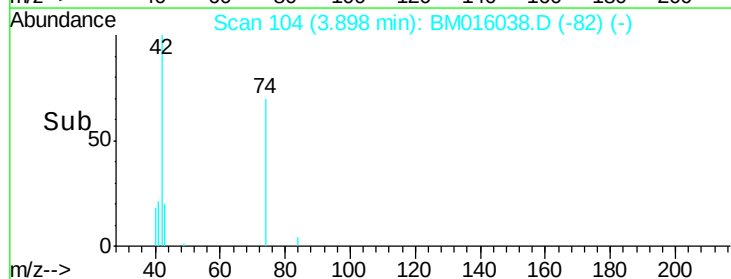
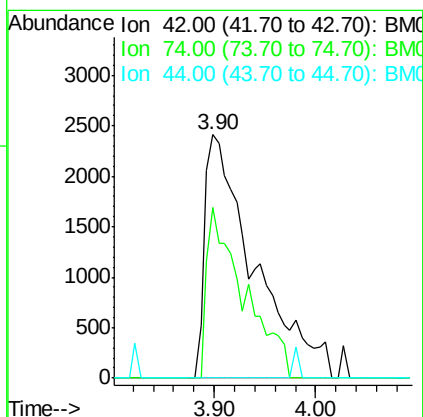
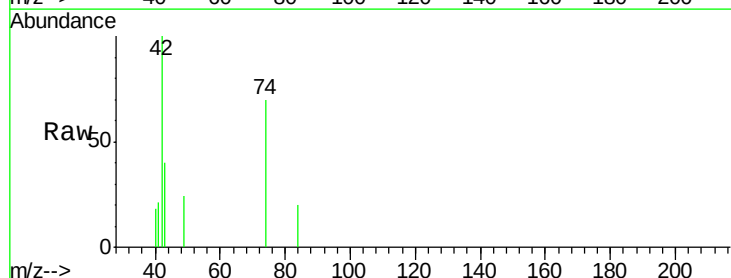
Tgt Ion: 42 Resp: 8204

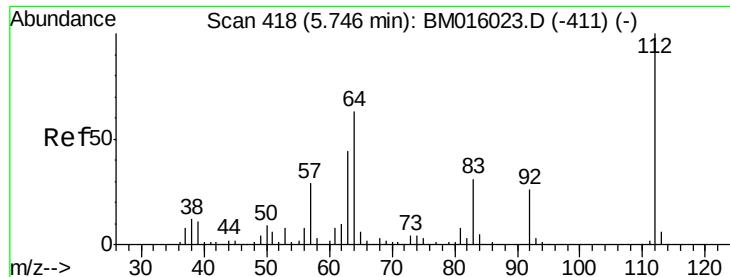
Ion Ratio Lower Upper

42 100

74 70.2 119.3 178.9#

44 0.0 5.4 8.2#





#5

2-Fluorophenol

Concen: 4.057 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

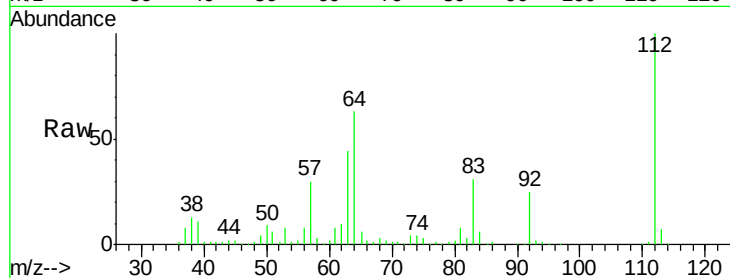
Tgt Ion: 112 Resp: 296832

Ion Ratio Lower Upper

112 100

64 62.6 38.6 57.8#

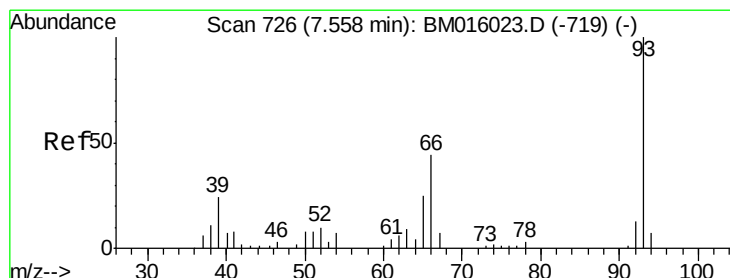
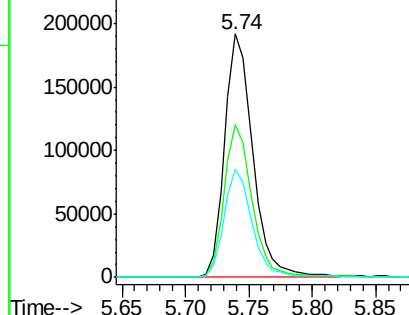
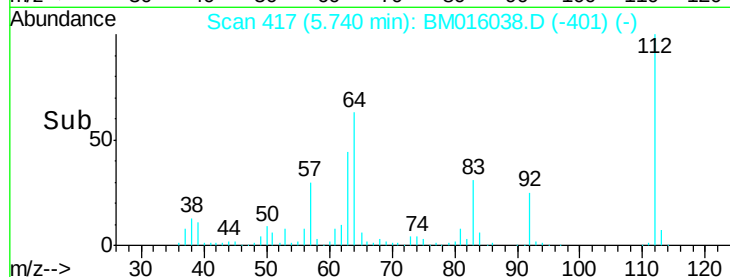
63 44.2 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 2.594 ng

RT: 7.56 min Scan# 727

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

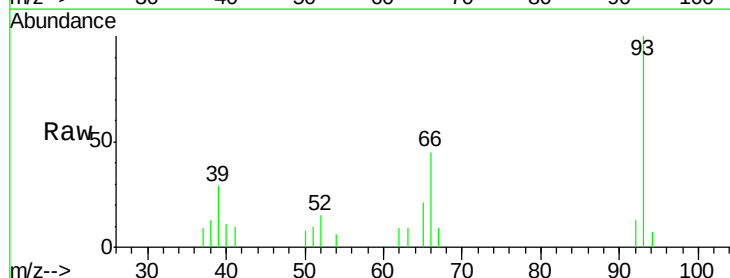
Tgt Ion: 93 Resp: 8961

Ion Ratio Lower Upper

93 100

66 45.3 30.8 46.2

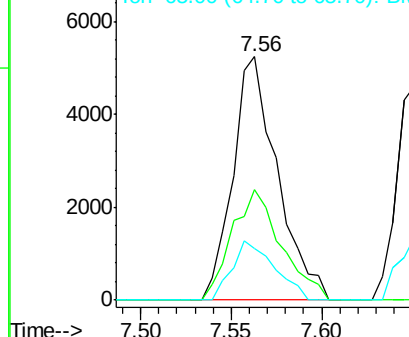
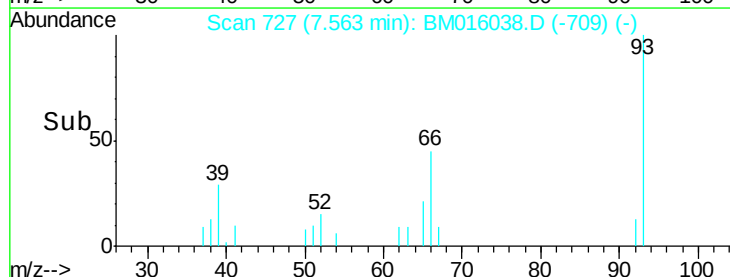
65 21.0 16.0 24.0

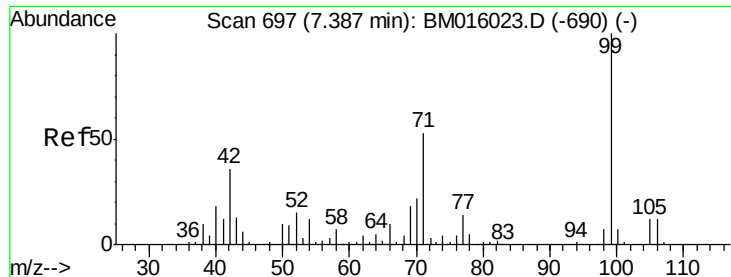


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 2.594 ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

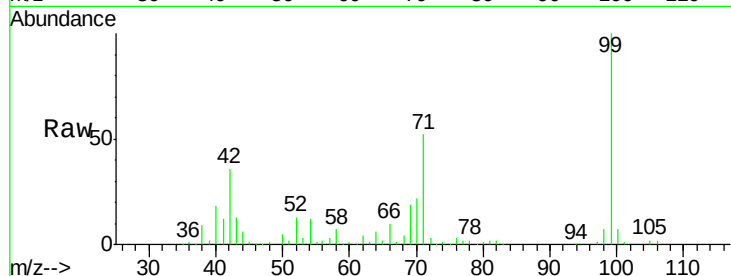
Tgt Ion: 99 Resp: 360601

Ion Ratio Lower Upper

99 100

42 36.0 11.0 16.4#

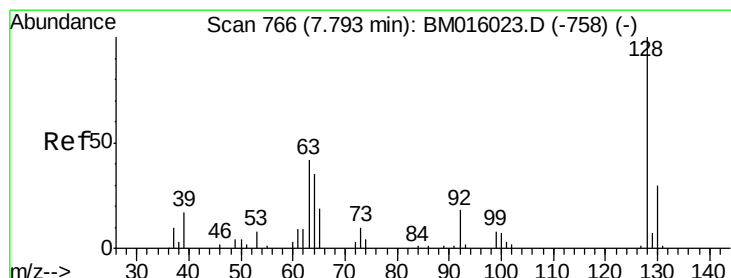
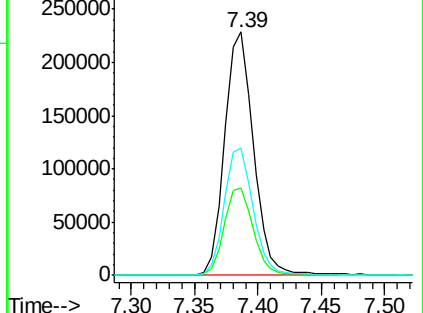
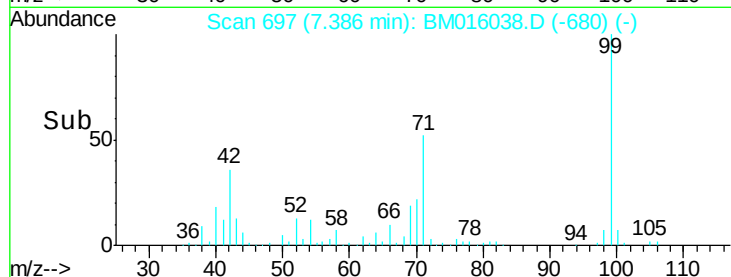
71 52.1 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016038.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016038.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016038.D (-680) (-)



#8

2-Chlorophenol

Concen: 4.531 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

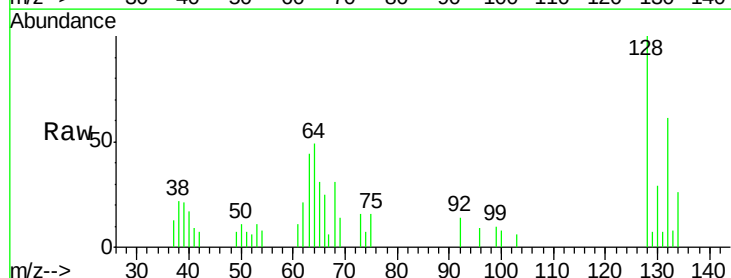
Tgt Ion: 128 Resp: 12371

Ion Ratio Lower Upper

128 100

130 29.2 12.0 52.0

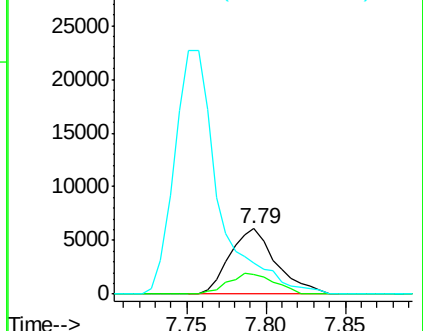
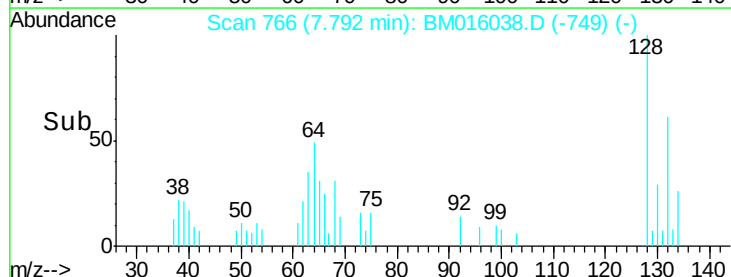
64 48.5 24.9 64.9

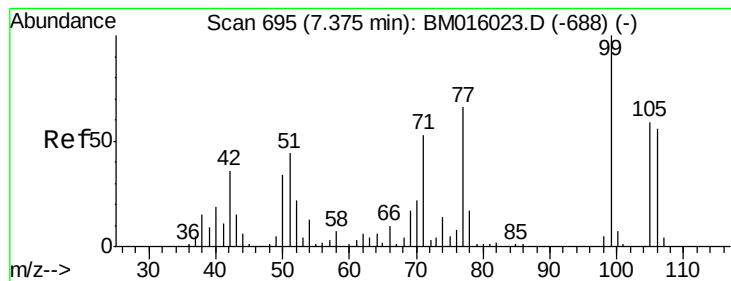


Abundance Ion 128.00 (127.70 to 128.70): BM016038.D (-749) (-)

Ion 130.00 (129.70 to 130.70): BM016038.D (-749) (-)

Ion 64.00 (63.70 to 64.70): BM016038.D (-749) (-)





#9

Benzaldehyde

Concen: 5.379 ng

RT: 7.39 min Scan# 697

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

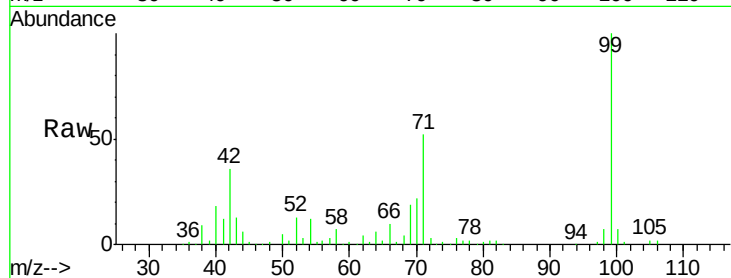
Tgt Ion: 77 Resp: 11337

Ion Ratio Lower Upper

77 100

105 78.1 78.8 118.8#

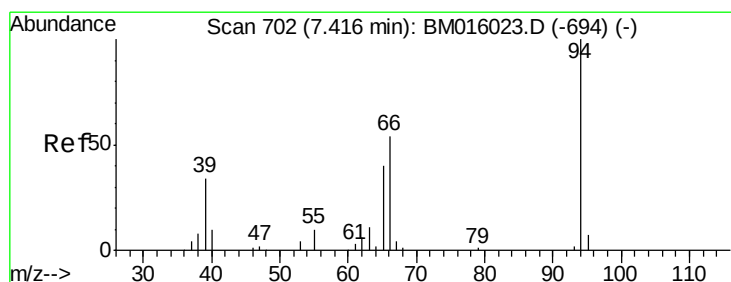
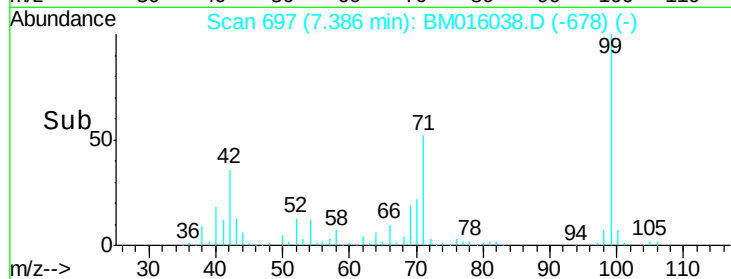
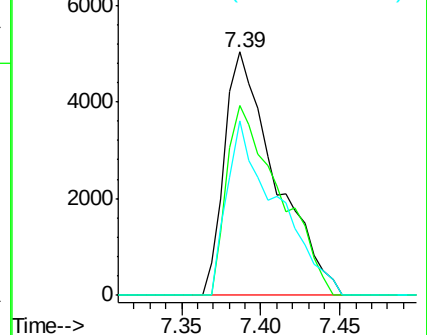
106 71.6 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM016038.D (-678) (-)

Ion 105.00 (104.70 to 105.70): BM016038.D (-678) (-)

Ion 106.00 (105.70 to 106.70): BM016038.D (-678) (-)



#10

Phenol

Concen: 4.527 ng

RT: 7.41 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

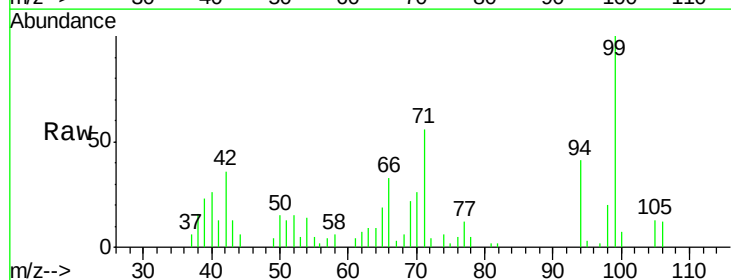
Tgt Ion: 94 Resp: 13581

Ion Ratio Lower Upper

94 100

65 45.8 18.8 58.8

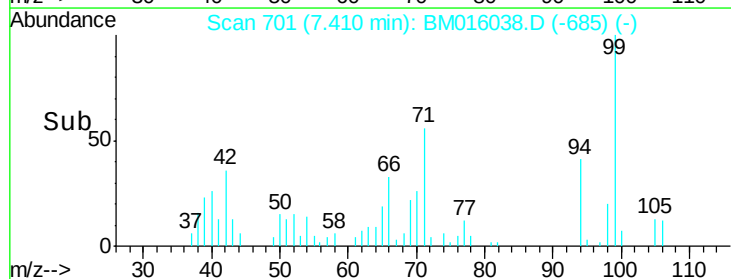
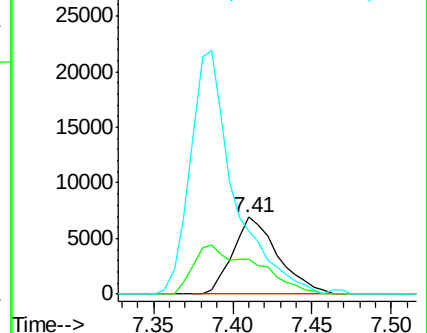
66 82.0 39.9 79.9#

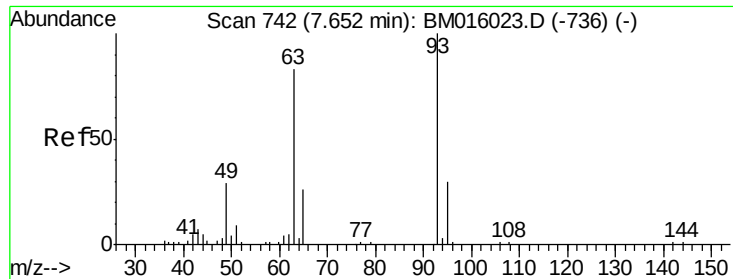


Abundance Ion 94.00 (93.70 to 94.70): BM016038.D (-685) (-)

Ion 65.00 (64.70 to 65.70): BM016038.D (-685) (-)

Ion 66.00 (65.70 to 66.70): BM016038.D (-685) (-)

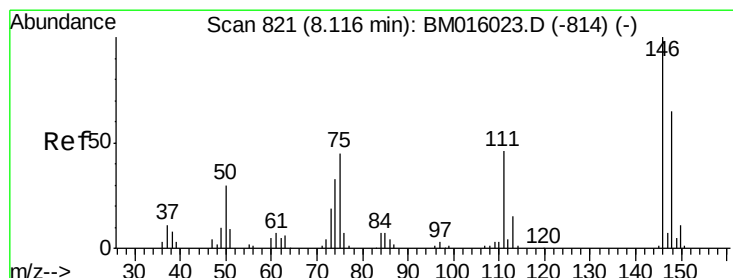
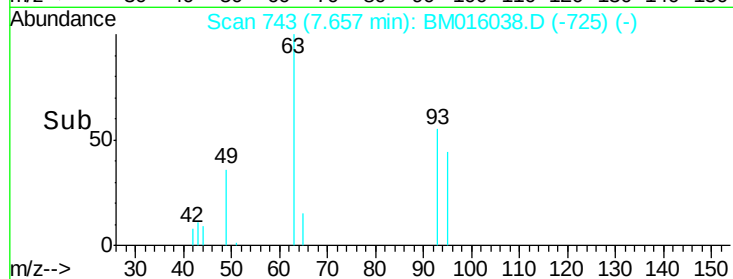
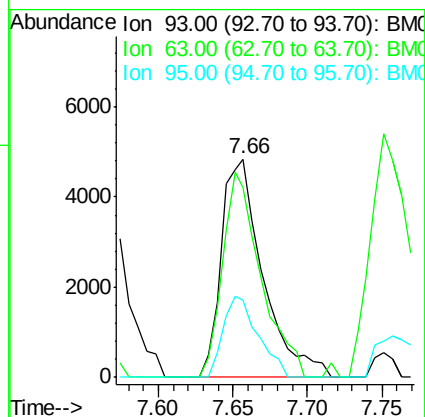
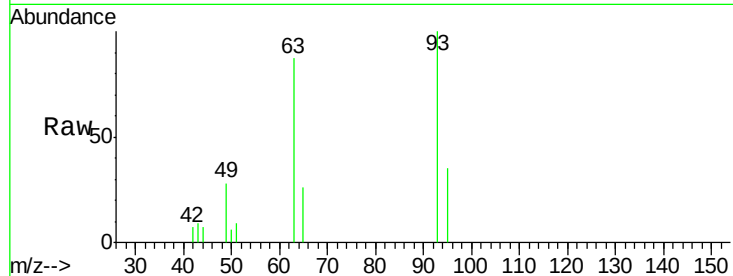




#11
 bis(2-Chloroethyl)ether
 Concen: 3.990 ng
 RT: 7.66 min Scan# 743
 Delta R.T. 0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

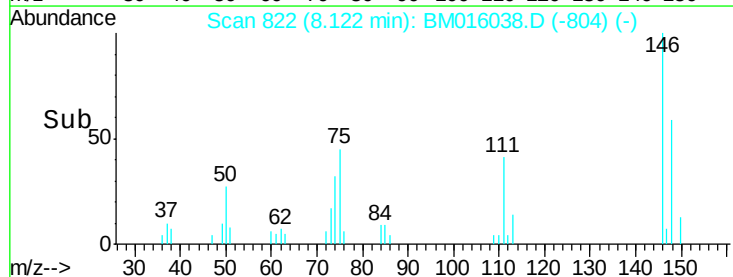
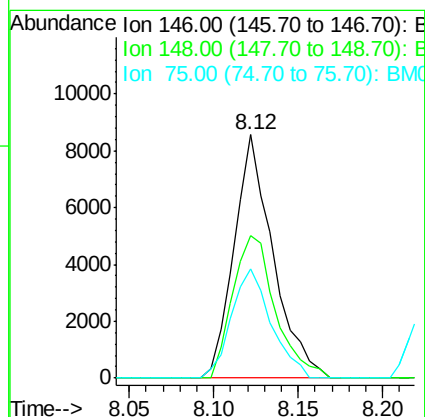
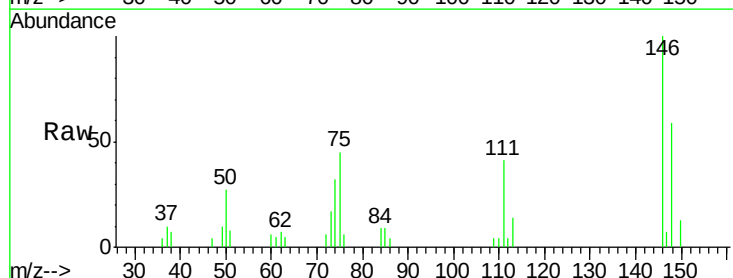
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

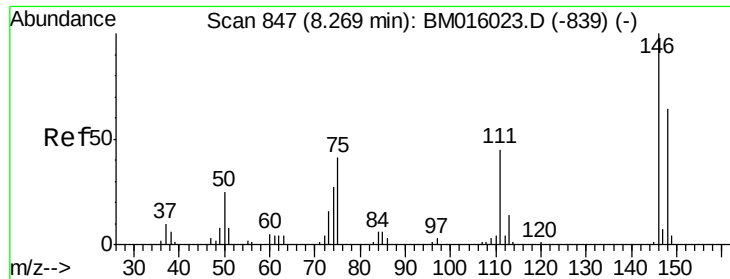
Tgt Ion: 93 Resp: 9455
 Ion Ratio Lower Upper
 93 100
 63 87.2 49.5 89.5
 95 35.3 13.5 53.5



#12
 1,3-Dichlorobenzene
 Concen: 4.296 ng
 RT: 8.12 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion: 146 Resp: 13729
 Ion Ratio Lower Upper
 146 100
 148 58.6 50.9 76.3
 75 44.9 21.4 32.2#

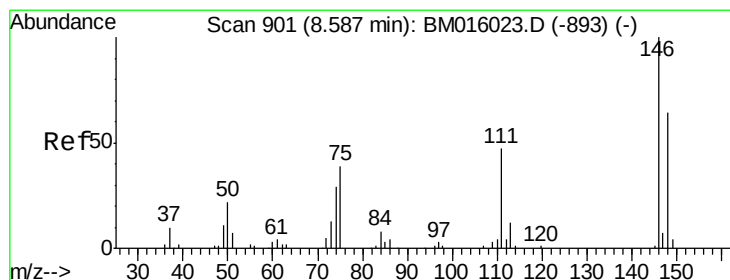
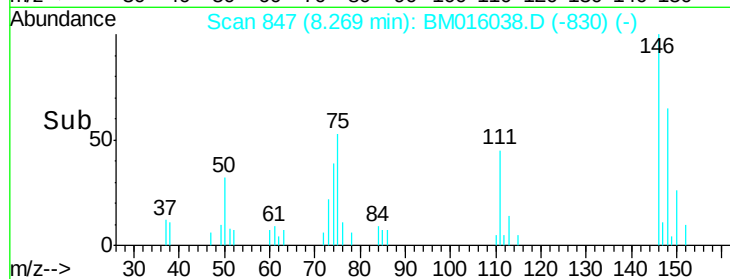
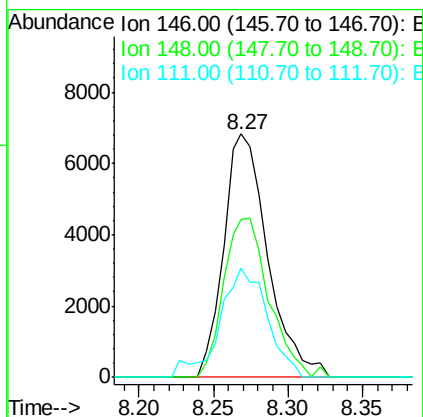
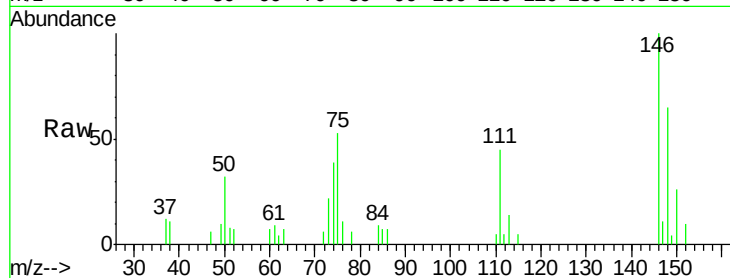




#13
 1,4-Dichlorobenzene
 Concen: 4.347 ng
 RT: 8.27 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

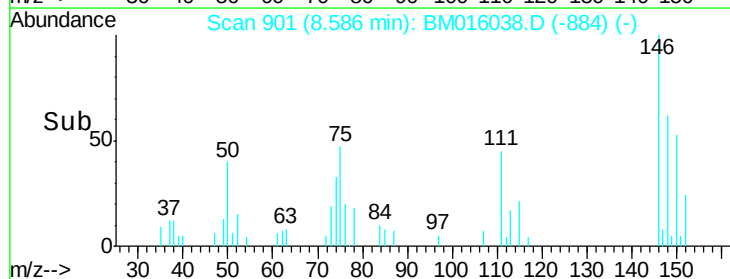
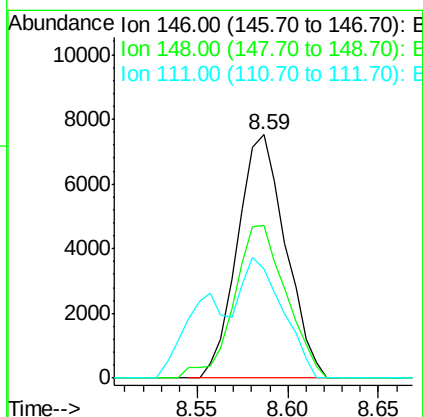
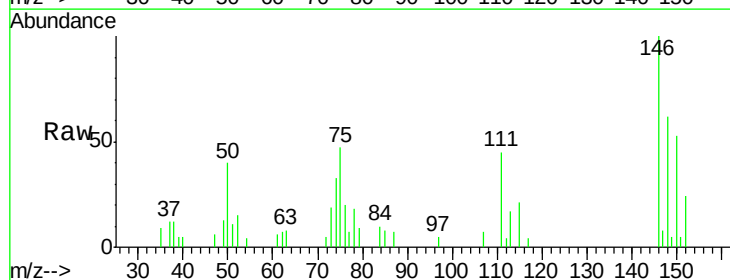
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

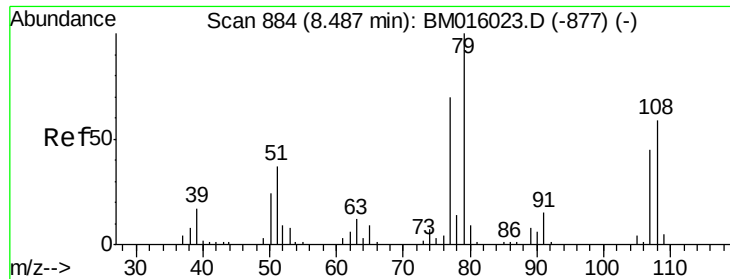
Tgt Ion:146 Resp: 14088
 Ion Ratio Lower Upper
 146 100
 148 65.1 51.9 77.9
 111 45.0 29.2 43.8#



#14
 1,2-Dichlorobenzene
 Concen: 4.374 ng
 RT: 8.59 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:146 Resp: 13872
 Ion Ratio Lower Upper
 146 100
 148 62.5 52.3 78.5
 111 45.1 30.6 45.8

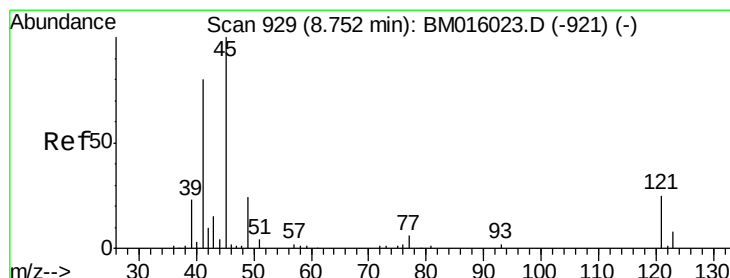
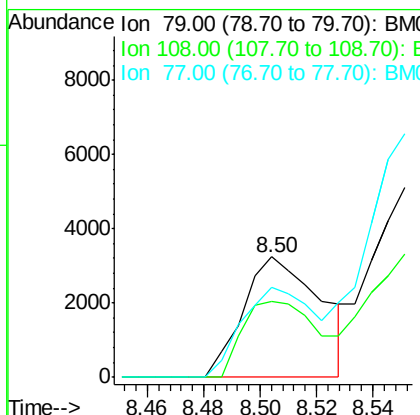
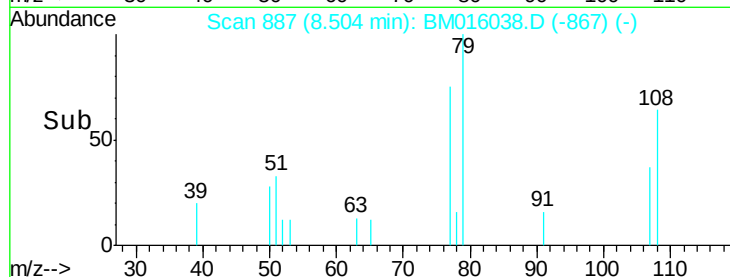
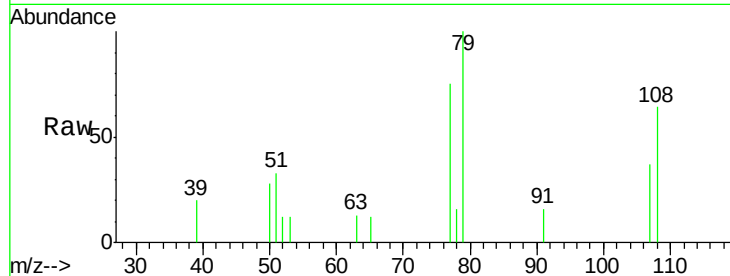




#15
Benzyl Alcohol
Concen: 2.572 ng
RT: 8.50 min Scan# 887
Delta R.T. 0.02 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

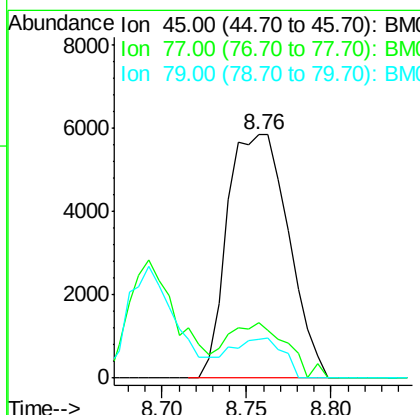
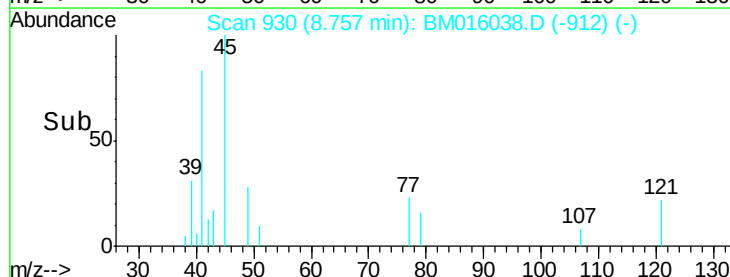
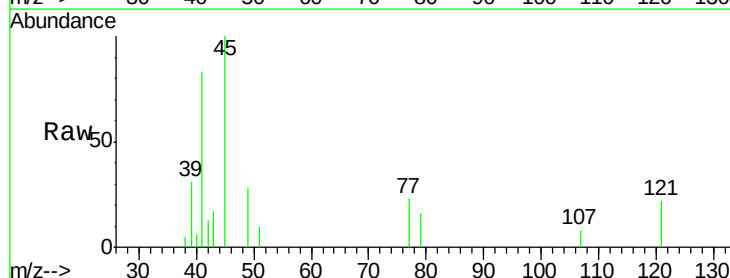
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

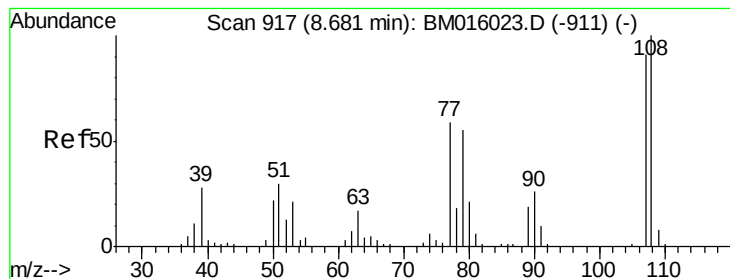
Tgt Ion: 79 Resp: 6143
Ion Ratio Lower Upper
79 100
108 63.7 65.0 97.4#
77 74.6 53.0 79.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.062 ng
RT: 8.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion: 45 Resp: 14734
Ion Ratio Lower Upper
45 100
77 22.7 0.0 35.2
79 15.8 0.0 32.0





#17

2-Methylphenol

Concen: 4.100 ng

RT: 8.69 min Scan# 919

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:107 Resp: 8407

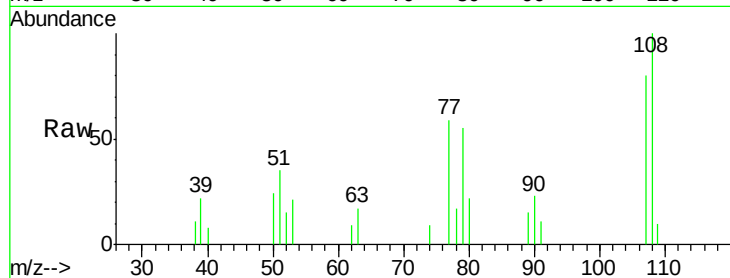
Ion Ratio Lower Upper

107 100

108 125.5 89.8 134.8

77 73.7 32.6 48.8#

79 69.4 32.8 49.2#

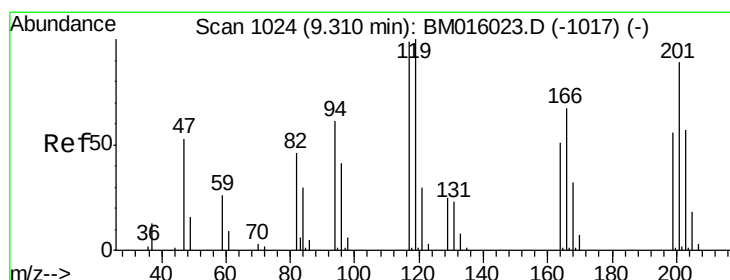
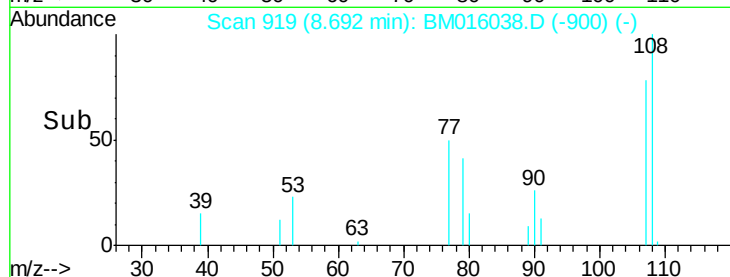
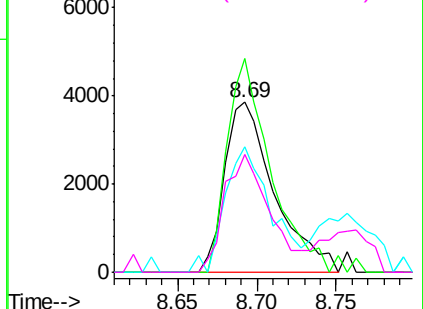


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 4.359 ng

RT: 9.31 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

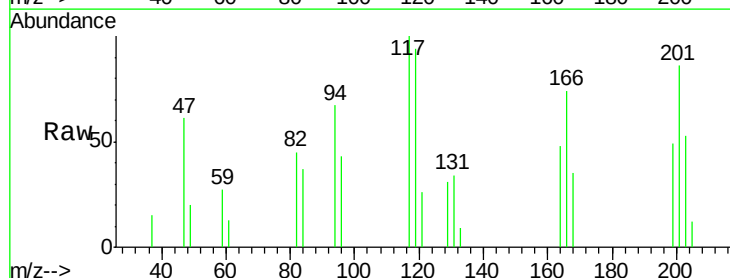
Tgt Ion:117 Resp: 6107

Ion Ratio Lower Upper

117 100

119 94.5 79.2 118.8

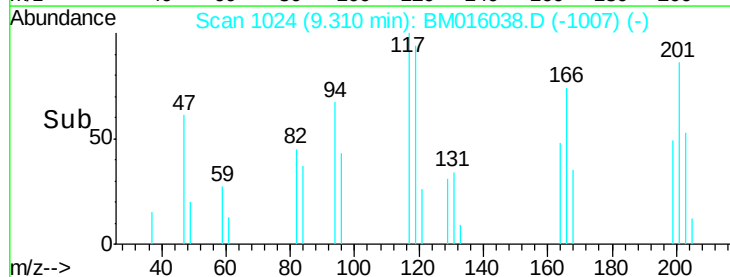
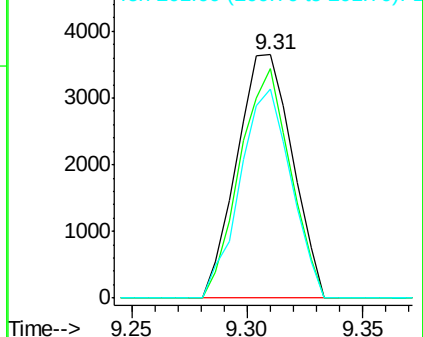
201 86.0 69.8 104.6

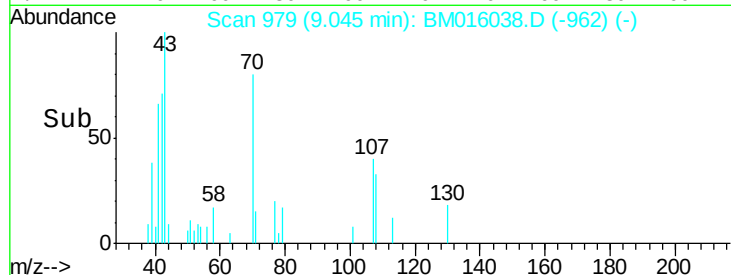
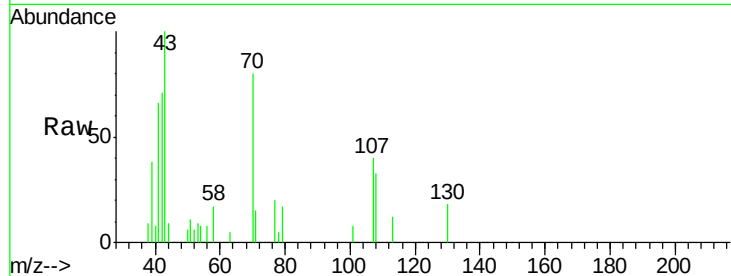
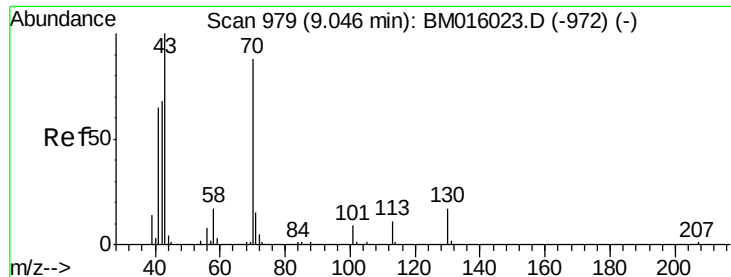


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

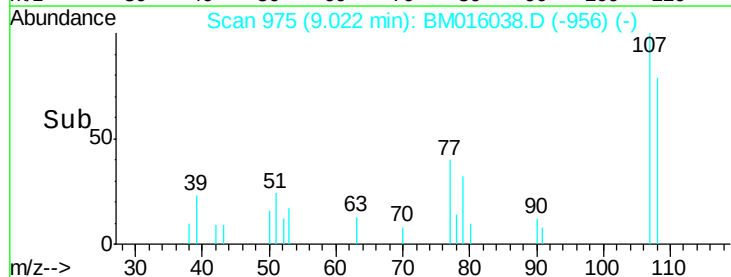
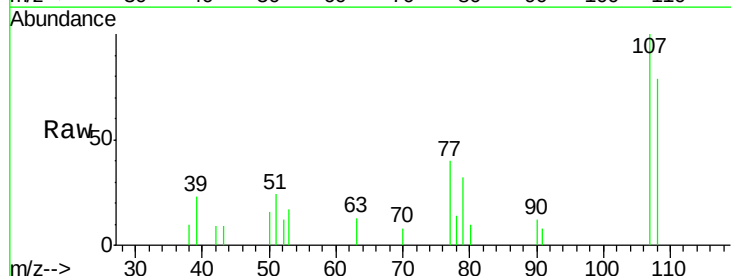
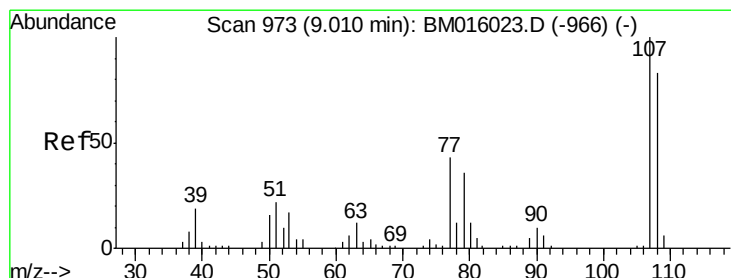
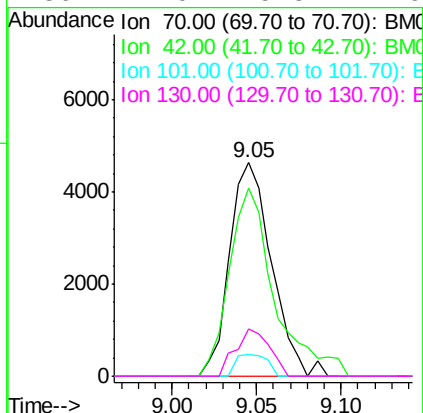




#19
n-Nitroso-di-n-propylamine
Concen: 3.659 ng
RT: 9.05 min Scan# 979
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

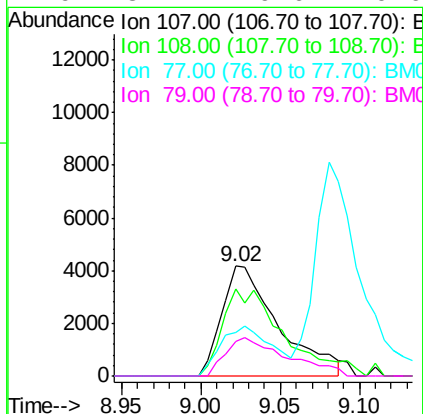
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

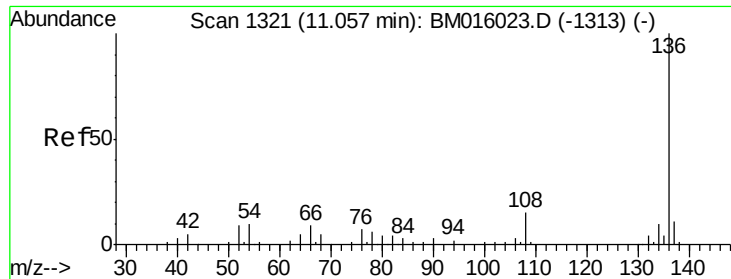
Tgt Ion:	70	Resp:	8024
Ion	Ratio	Lower	Upper
70	100		
42	88.1	44.5	66.7#
101	10.5	7.4	11.2
130	22.0	15.3	22.9



#20
3+4-Methylphenols
Concen: 3.524 ng
RT: 9.02 min Scan# 975
Delta R.T. 0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion:	107	Resp:	10394
Ion	Ratio	Lower	Upper
107	100		
108	78.9	73.2	113.2
77	40.0	10.7	50.7
79	31.7	9.6	49.6

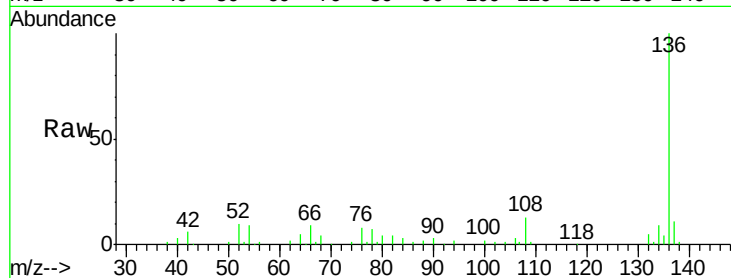




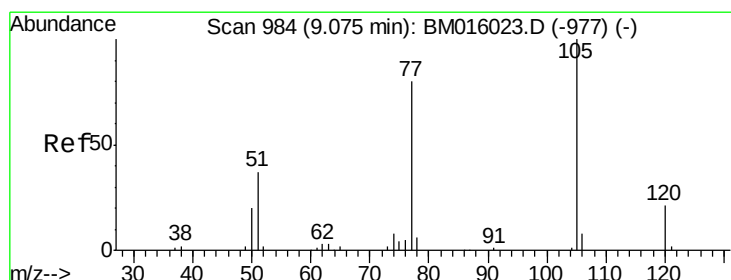
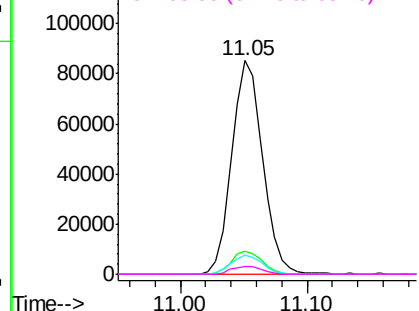
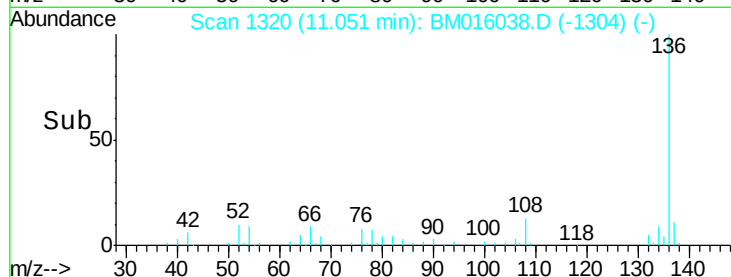
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:136 Resp: 143106
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 9.0 4.6 6.8#
68 3.7 3.7 5.5#

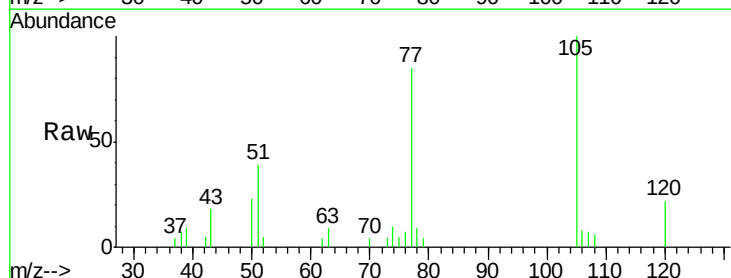


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

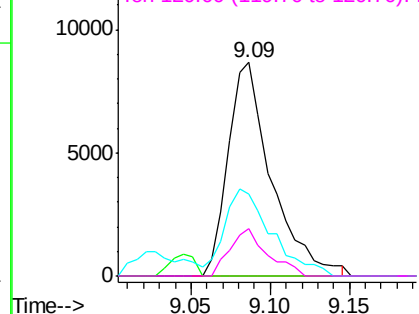
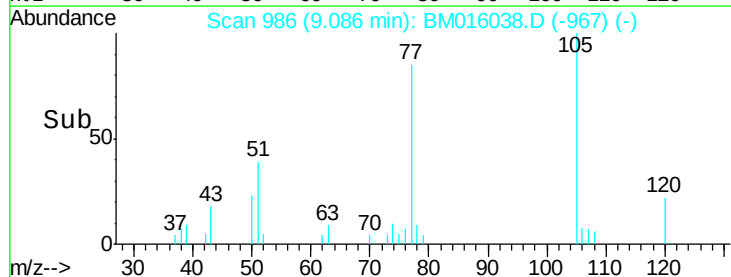


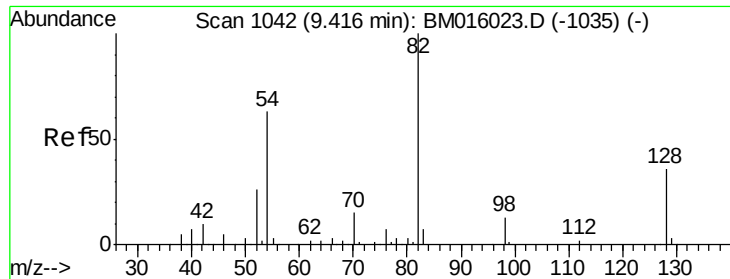
#22
Acetophenone
Concen: 4.559 ng
RT: 9.09 min Scan# 986
Delta R.T. 0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion:105 Resp: 16428
Ion Ratio Lower Upper
105 100
71 0.0 0.6 1.0#
51 38.5 21.6 32.4#
120 22.0 16.1 24.1



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BM0
Ion 51.00 (50.70 to 51.70): BM0
Ion 120.00 (119.70 to 120.70): E

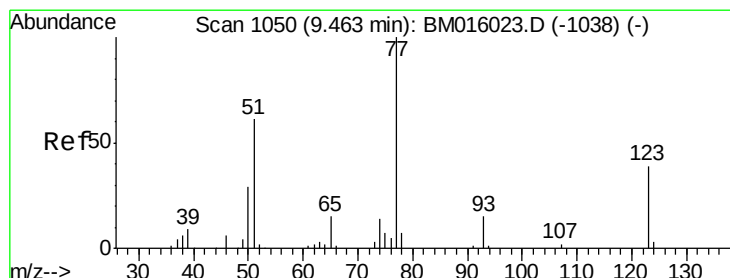
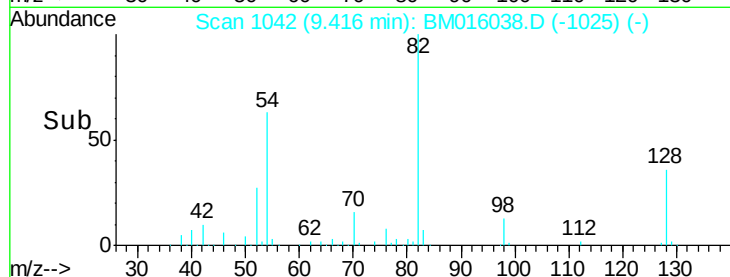
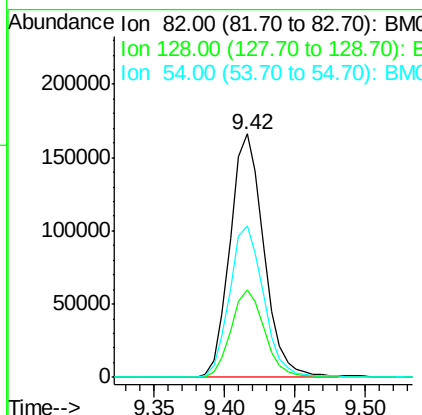
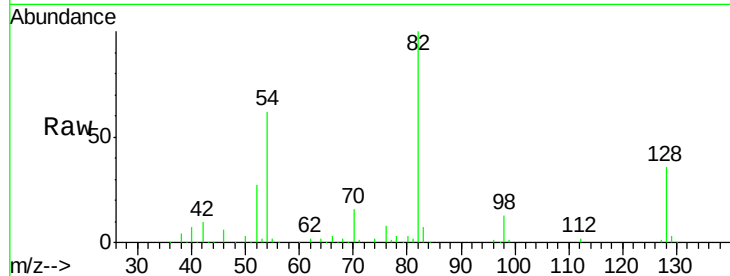




#23
 Nitrobenzene-d5
 Concen: 4.559 ng
 RT: 9.42 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

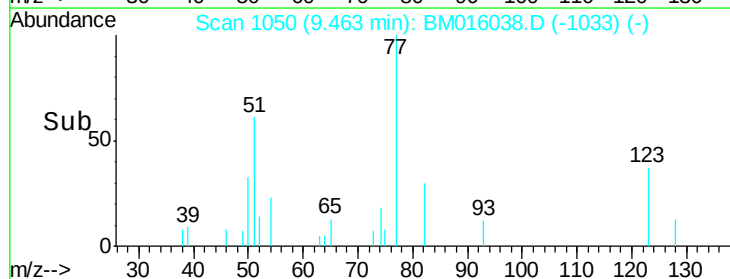
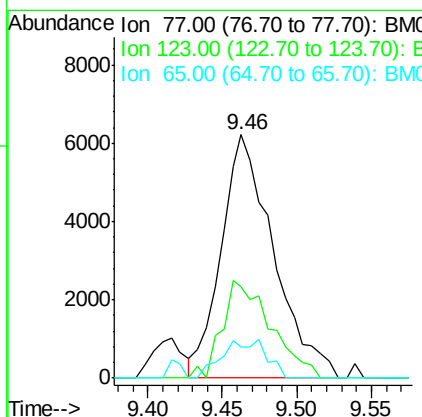
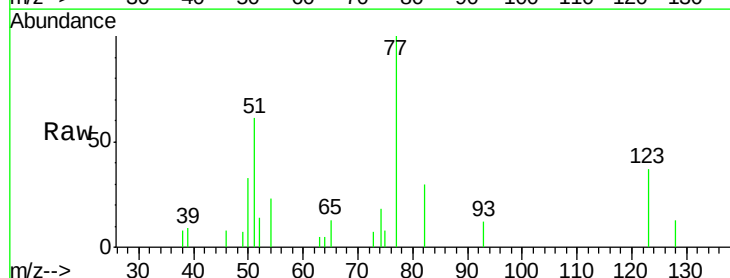
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

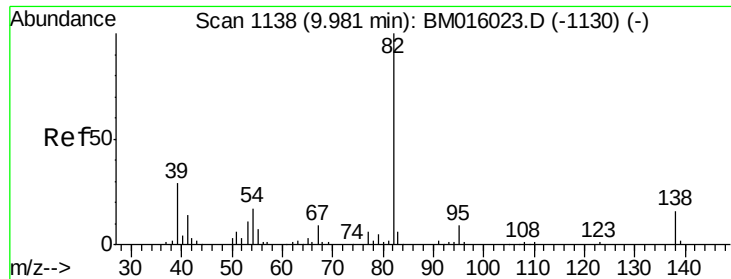
Tgt Ion: 82 Resp: 278475
 Ion Ratio Lower Upper
 82 100
 128 35.9 32.8 49.2
 54 62.3 40.6 60.8#



#24
 Nitrobenzene
 Concen: 4.911 ng
 RT: 9.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion: 77 Resp: 15209
 Ion Ratio Lower Upper
 77 100
 123 37.4 32.6 49.0
 65 13.0 10.9 16.3

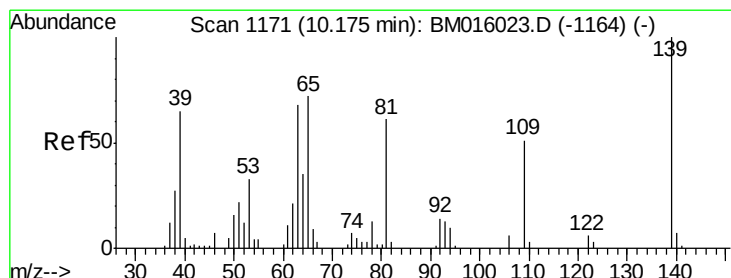
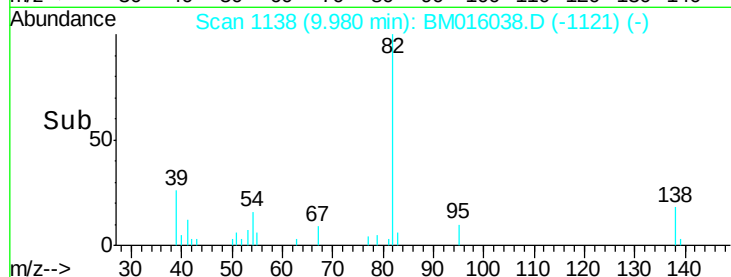
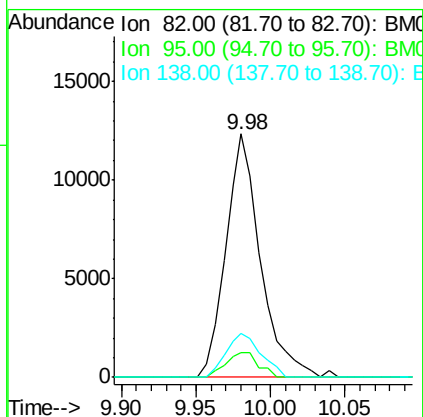
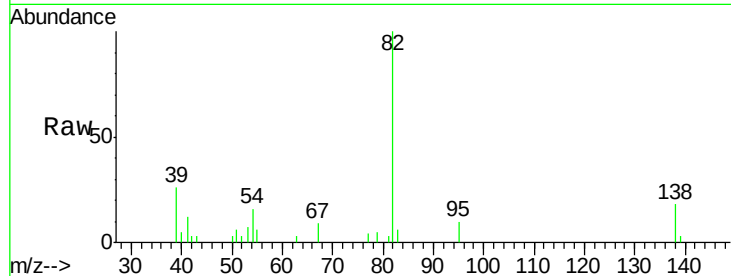




#25
Isophorone
Concen: 4.768 ng
RT: 9.98 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

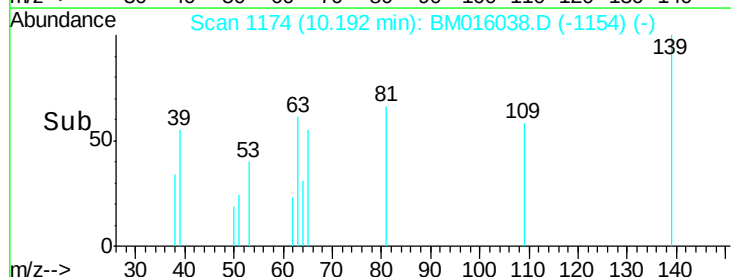
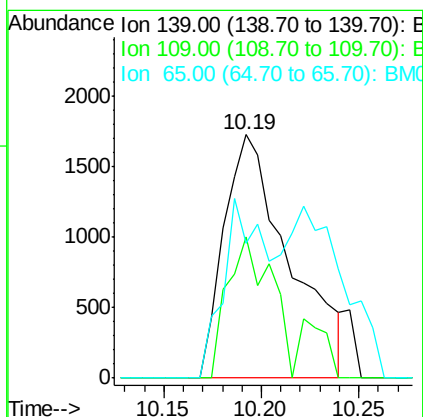
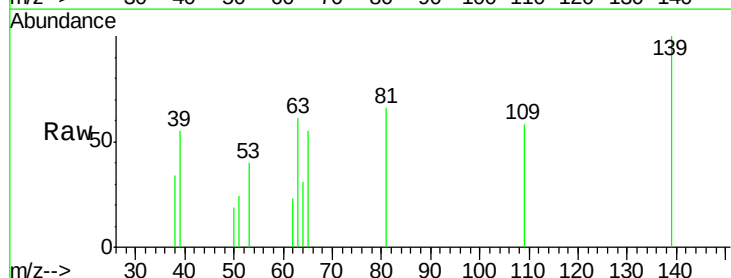
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

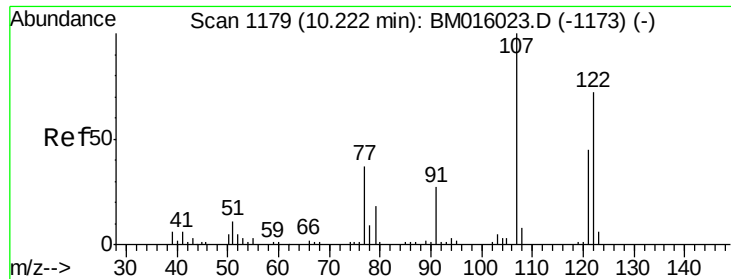
Tgt Ion: 82 Resp: 20066
Ion Ratio Lower Upper
82 100
95 9.9 5.8 8.6#
138 18.3 16.3 24.5



#26
2-Nitrophenol
Concen: 3.103 ng
RT: 10.19 min Scan# 1174
Delta R.T. 0.02 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion: 139 Resp: 4012
Ion Ratio Lower Upper
139 100
109 58.0 20.1 30.1#
65 55.2 31.5 47.3#

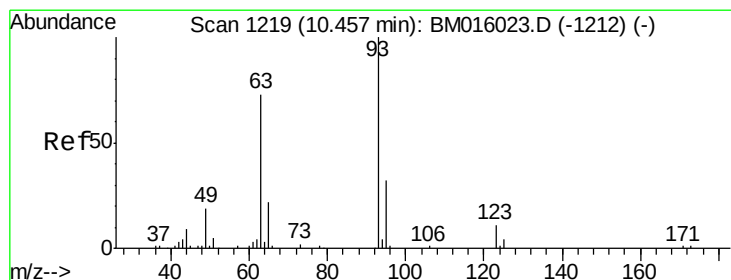
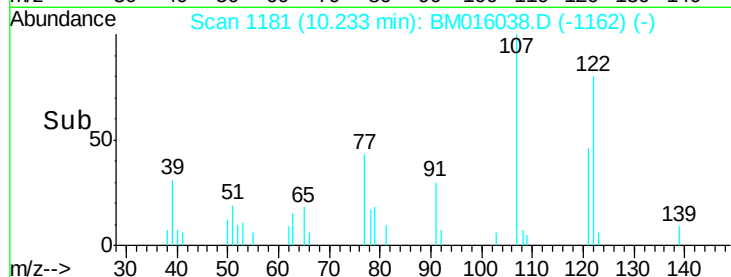
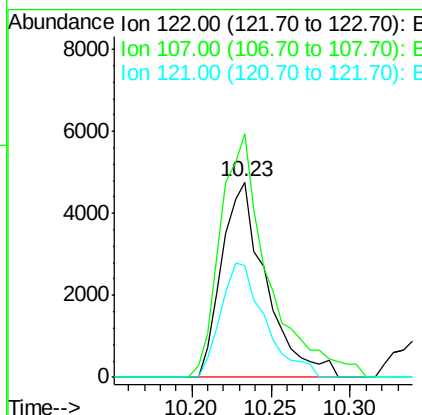
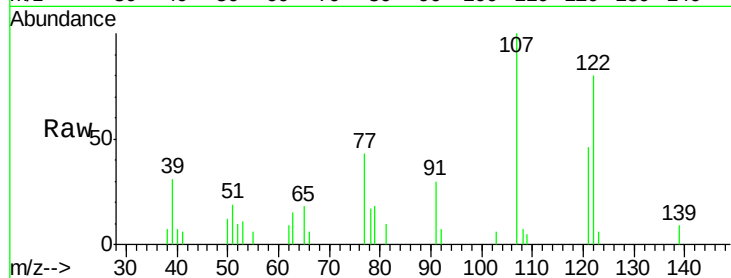




#27
2,4-Dimethylphenol
Concen: 5.144 ng
RT: 10.23 min Scan# 1181
Delta R.T. 0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

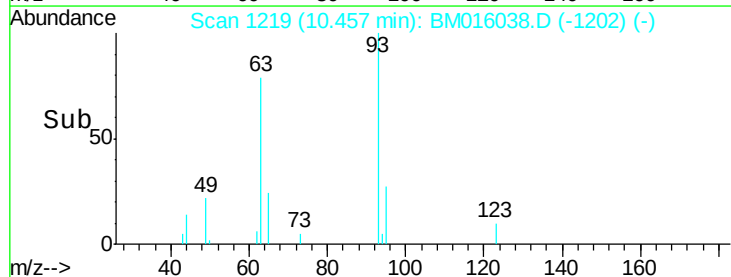
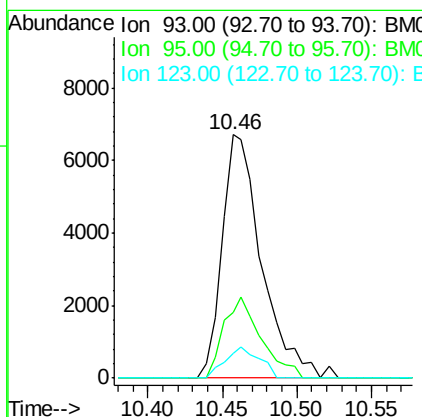
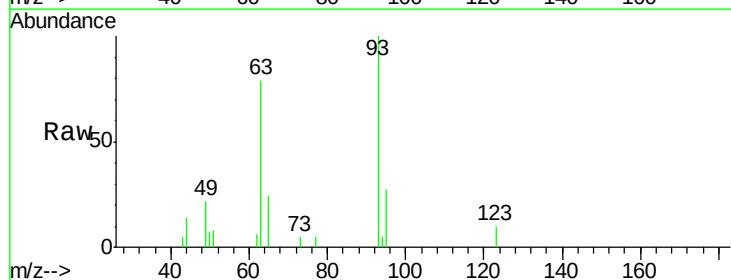
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

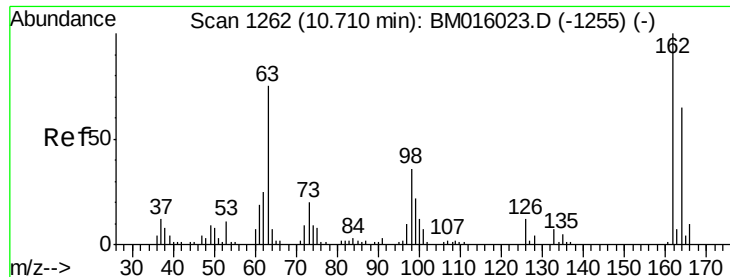
Tgt Ion:122 Resp: 9265
Ion Ratio Lower Upper
122 100
107 124.8 84.7 127.1
121 57.3 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 4.565 ng
RT: 10.46 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion: 93 Resp: 12488
Ion Ratio Lower Upper
93 100
95 27.2 25.5 38.3
123 10.0 8.6 13.0

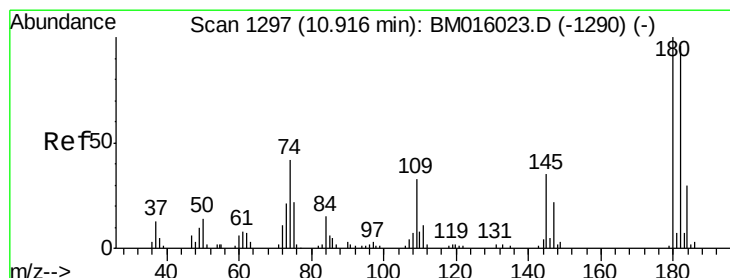
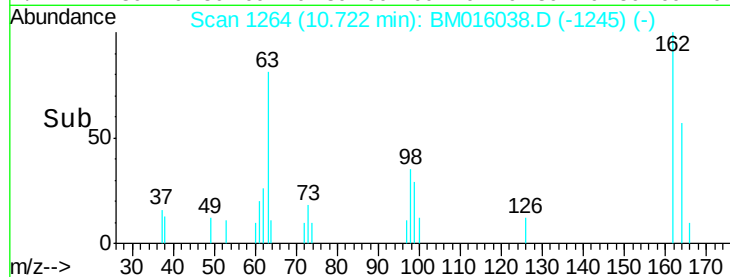
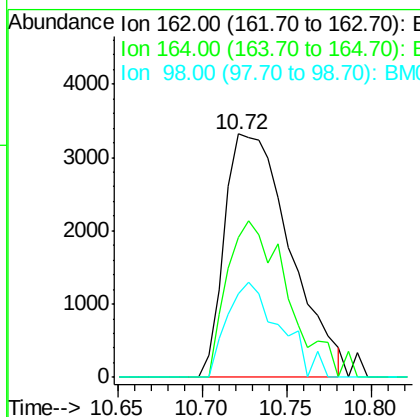
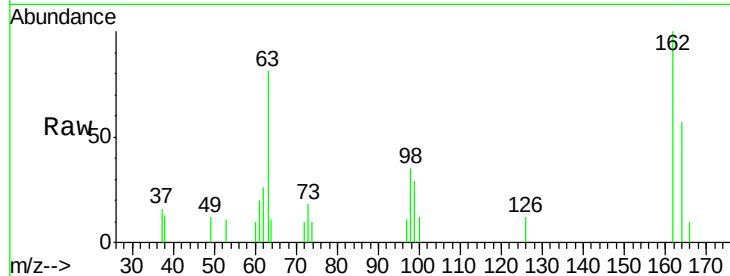




#29
 2,4-Dichlorophenol
 Concen: 4.191 ng
 RT: 10.72 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

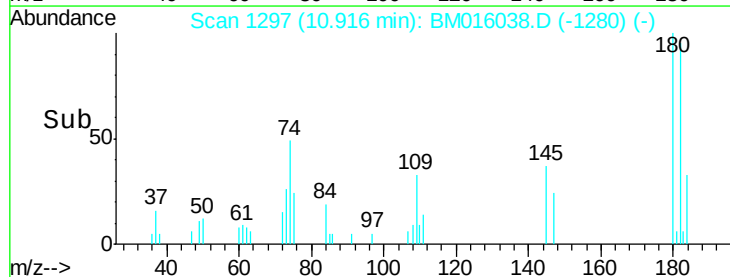
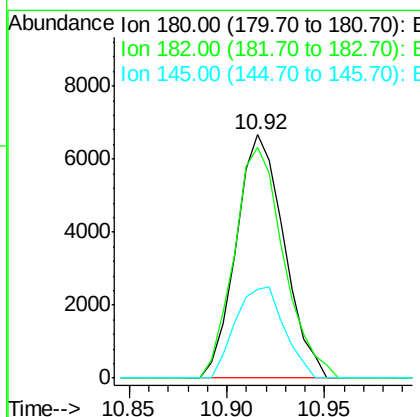
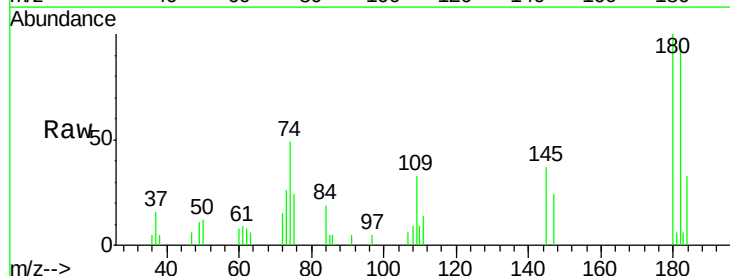
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

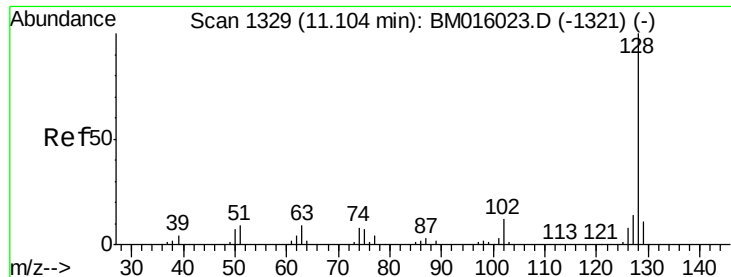
Tgt Ion:162 Resp: 8970
 Ion Ratio Lower Upper
 162 100
 164 57.3 42.8 82.8
 98 34.6 14.5 54.5



#30
 1,2,4-Trichlorobenzene
 Concen: 4.354 ng
 RT: 10.92 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:180 Resp: 11323
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.6 116.4
 145 36.5 23.4 35.2#

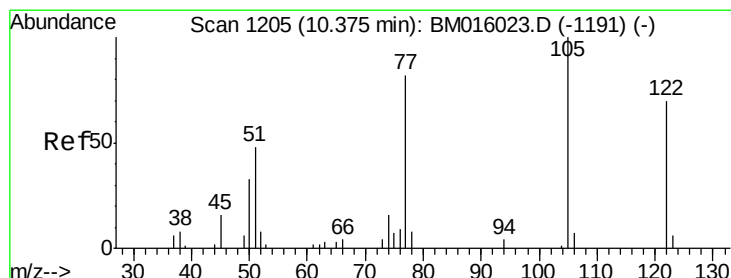
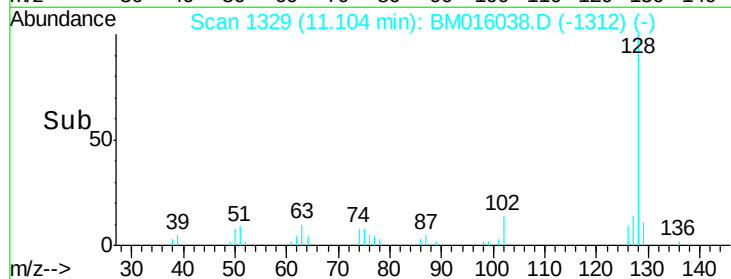
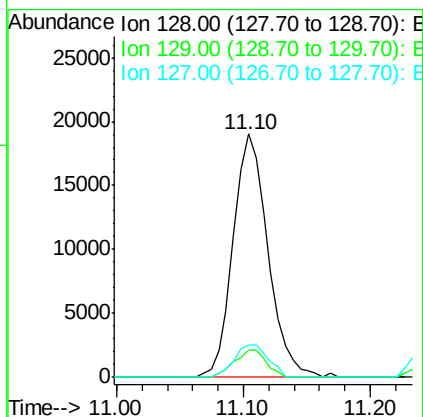
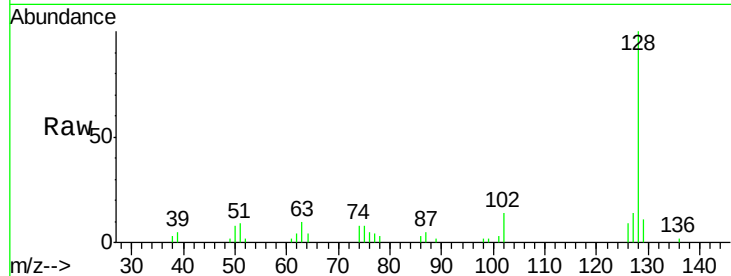




#31
Naphthalene
Concen: 5.006 ng
RT: 11.10 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

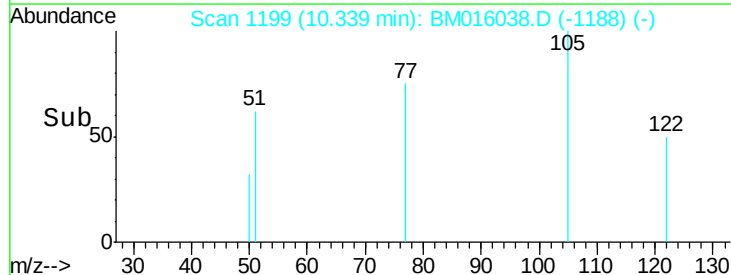
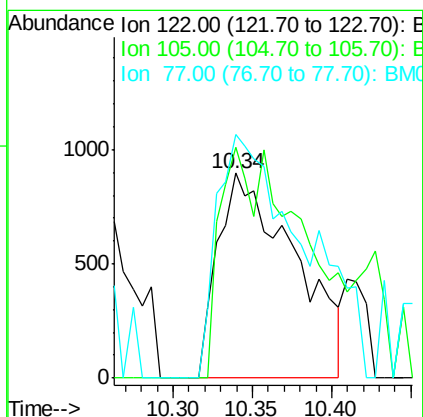
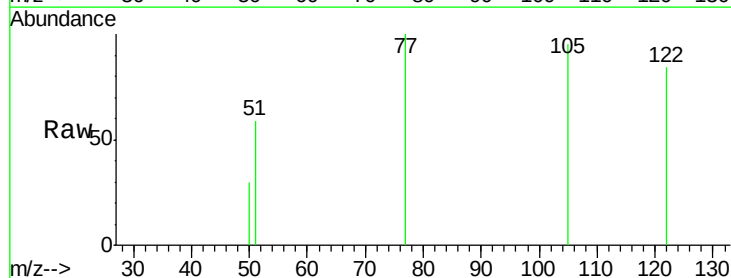
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

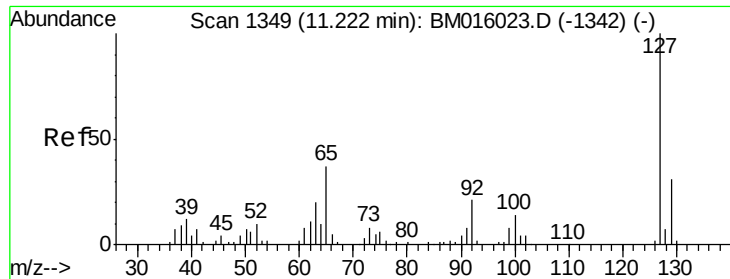
Tgt Ion:128 Resp: 36260
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.6 10.4 15.6



#32
Benzoic acid
Concen: 2.197 ng
RT: 10.34 min Scan# 1199
Delta R.T. -0.04 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion:122 Resp: 3017
Ion Ratio Lower Upper
122 100
105 112.8 99.9 139.9
77 118.8 73.7 113.7#

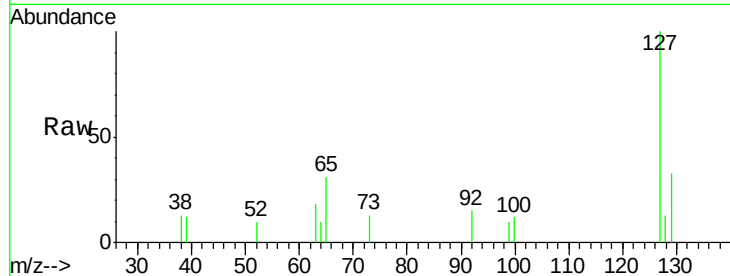




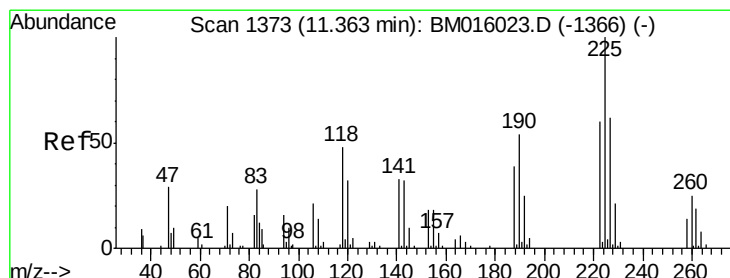
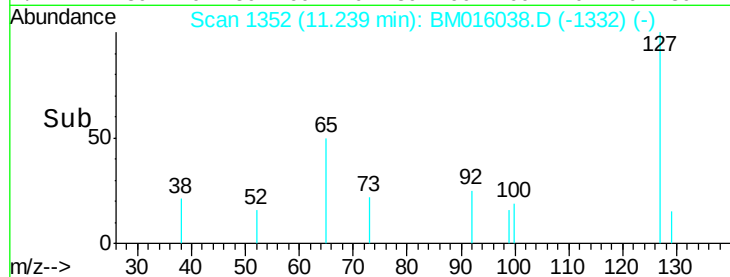
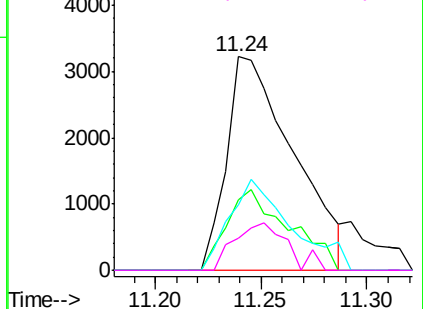
#33
4-Chloroaniline
Concen: 2.392 ng
RT: 11.24 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:127 Resp: 7071
Ion Ratio Lower Upper
127 100
129 32.7 25.3 37.9
65 30.7 17.6 26.4#
92 15.1 13.1 19.7

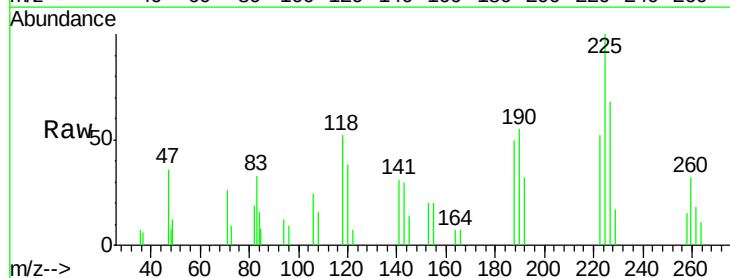


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

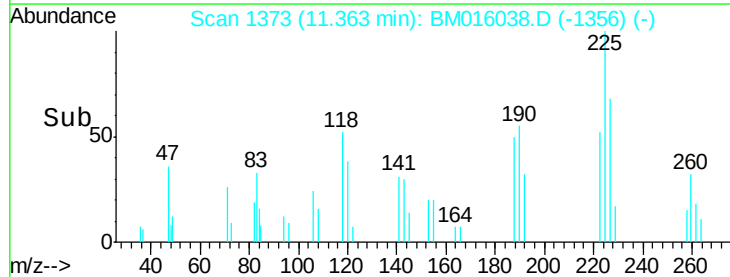
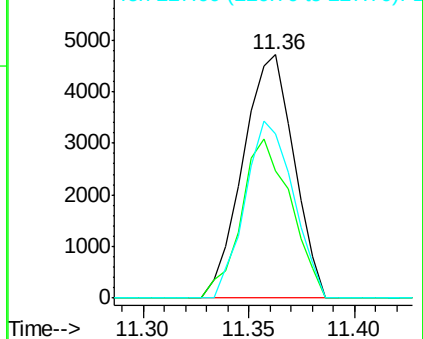


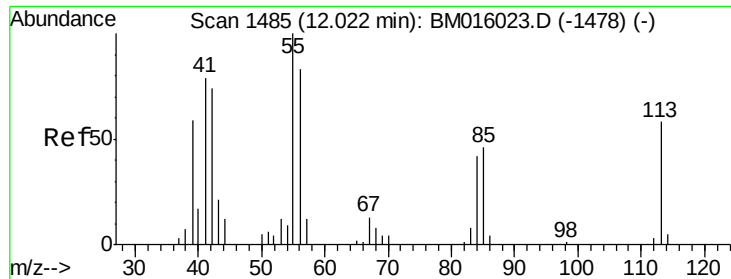
#34
Hexachlorobutadiene
Concen: 4.381 ng
RT: 11.36 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion:225 Resp: 7902
Ion Ratio Lower Upper
225 100
223 52.4 47.9 71.9
227 67.7 50.1 75.1



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 2.314 ng

RT: 12.01 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

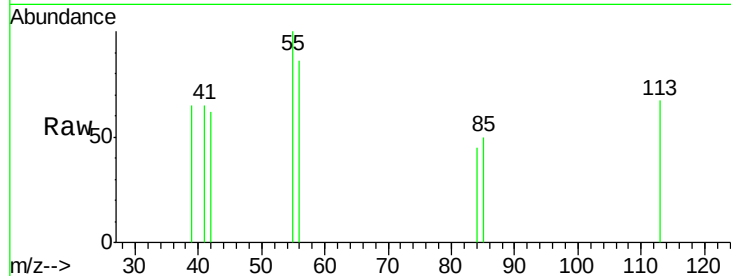
Tgt Ion:113 Resp: 1372

Ion Ratio Lower Upper

113 100

55 148.5 145.9 185.9

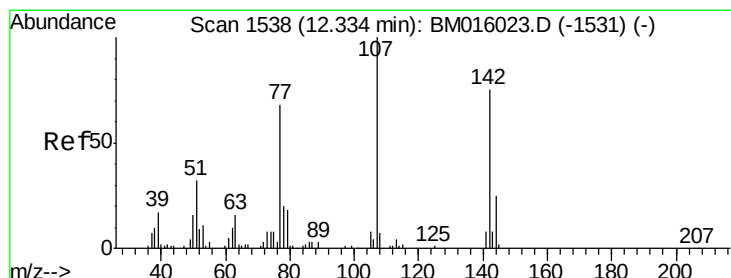
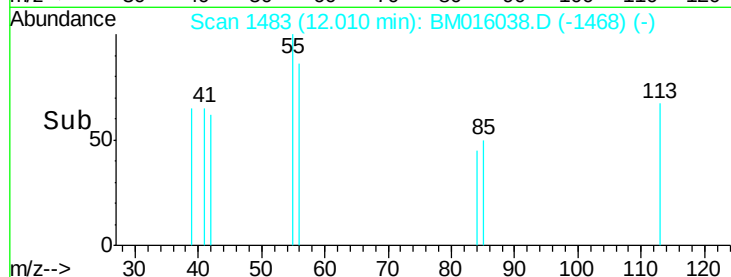
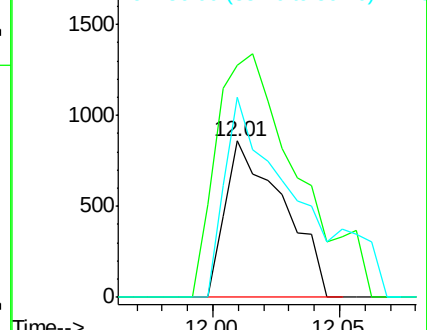
56 127.9 101.0 141.0



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 3.797 ng

RT: 12.35 min Scan# 1540

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

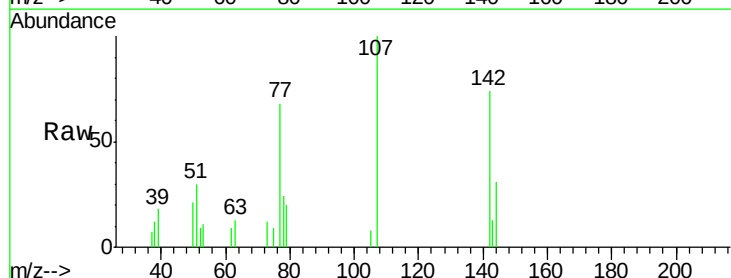
Tgt Ion:107 Resp: 8938

Ion Ratio Lower Upper

107 100

144 30.7 23.3 34.9

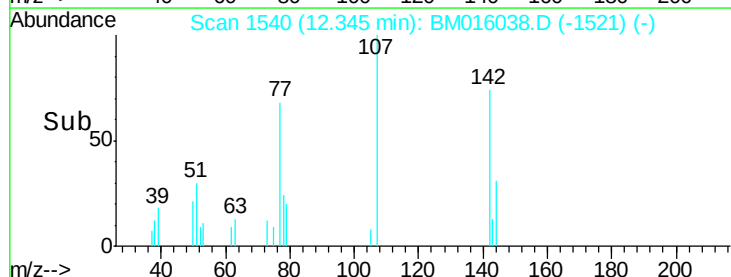
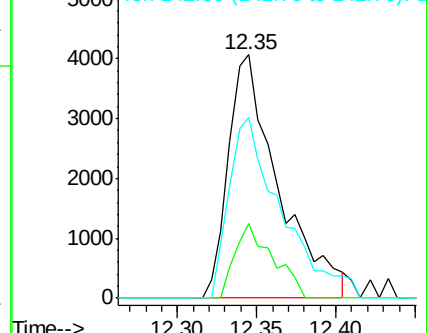
142 74.1 72.6 109.0

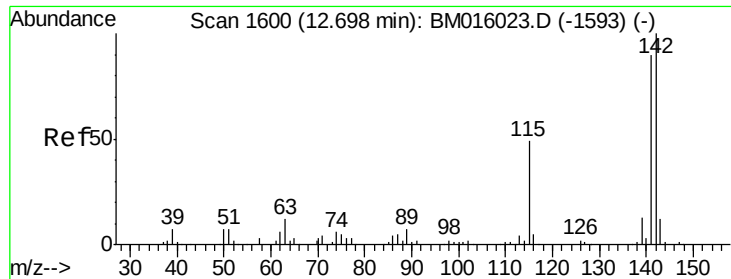


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

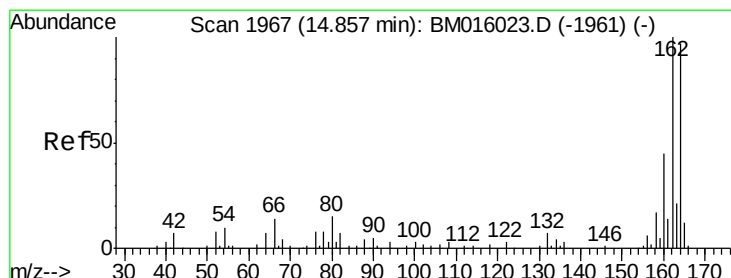
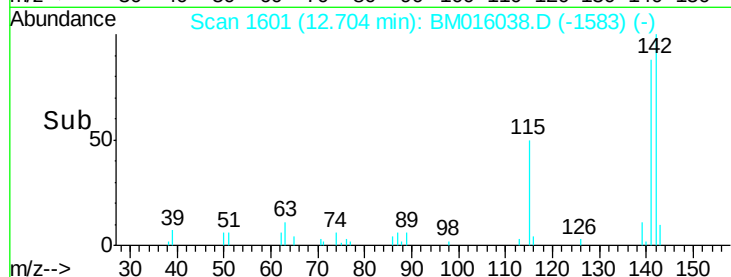
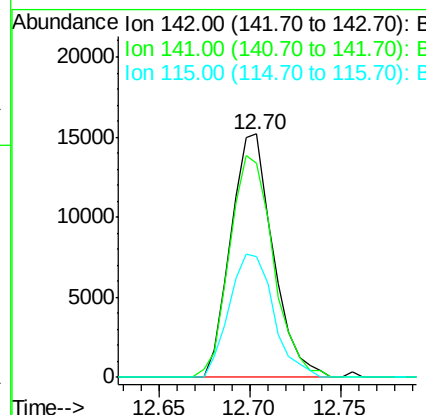
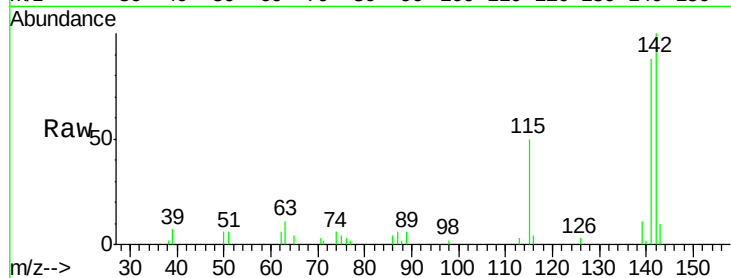




#37
 2-Methylnaphthalene
 Concen: 5.093 ng
 RT: 12.70 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

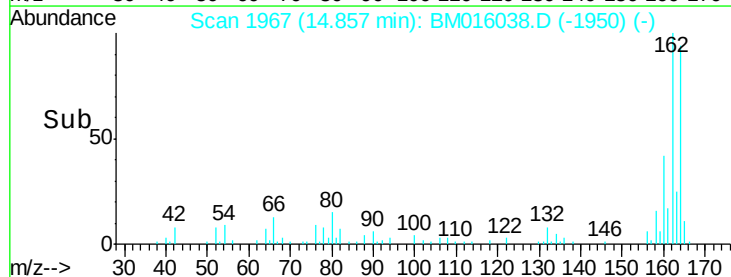
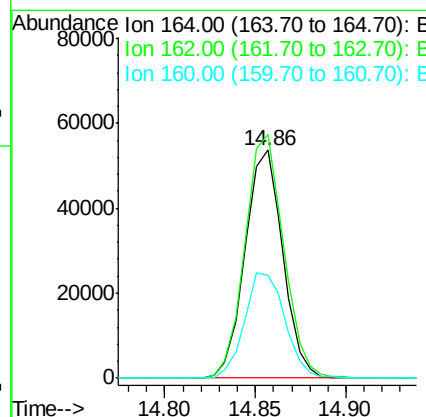
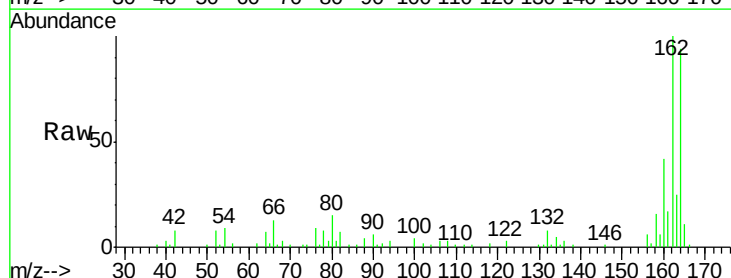
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

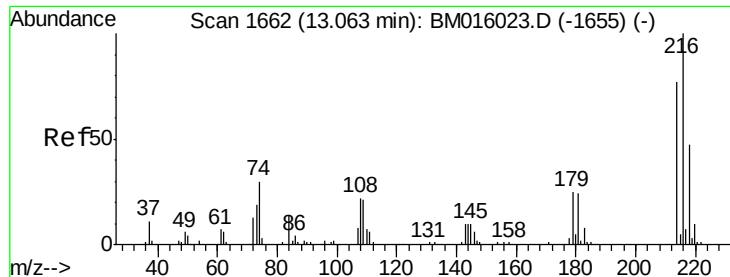
Tgt Ion:142 Resp: 24712
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.9 107.9
 115 49.7 25.4 38.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.86 min Scan# 1967
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:164 Resp: 77845
 Ion Ratio Lower Upper
 164 100
 162 106.8 82.4 123.6
 160 45.2 35.8 53.6

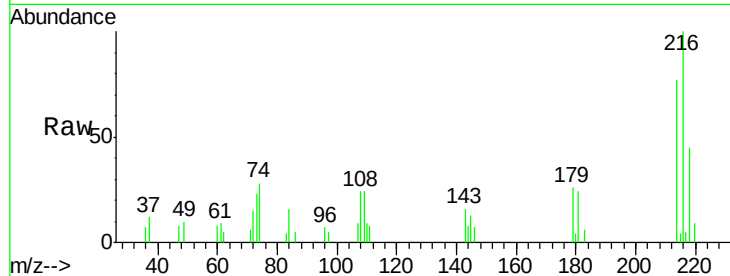




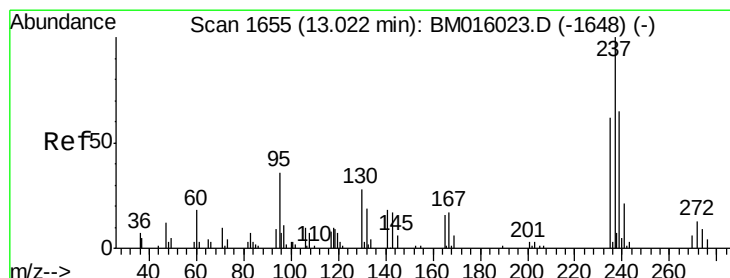
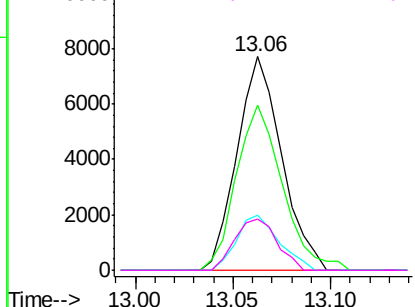
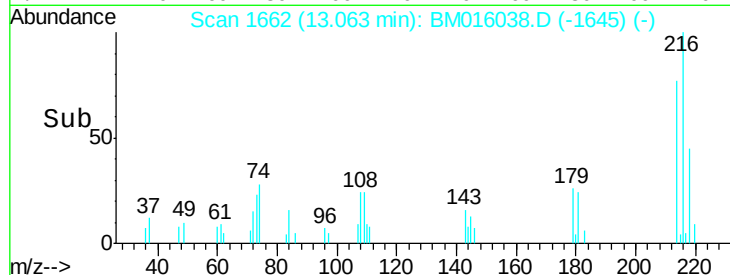
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.612 ng
 RT: 13.06 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion:	216	Resp:	12223
Ion	Ratio	Lower	Upper
216	100		
214	79.7	0.0	0.0#
179	24.4	0.0	0.0#
108	22.9	0.0	0.0#

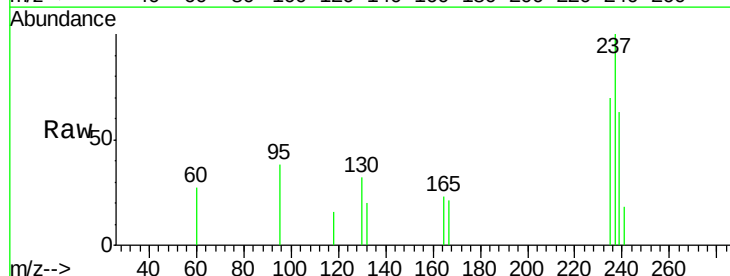


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

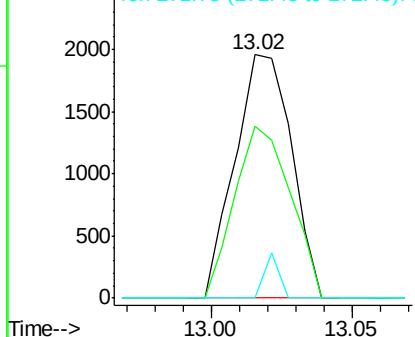
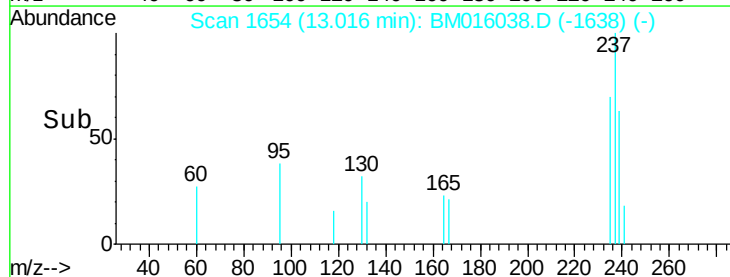


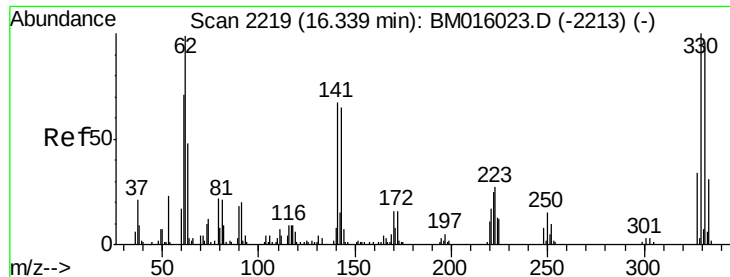
#40
 Hexachlorocyclopentadiene
 Concen: 9.563 ng
 RT: 13.02 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:	237	Resp:	2720
Ion	Ratio	Lower	Upper
237	100		
235	70.4	42.0	82.0
272	0.0	0.0	33.4



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

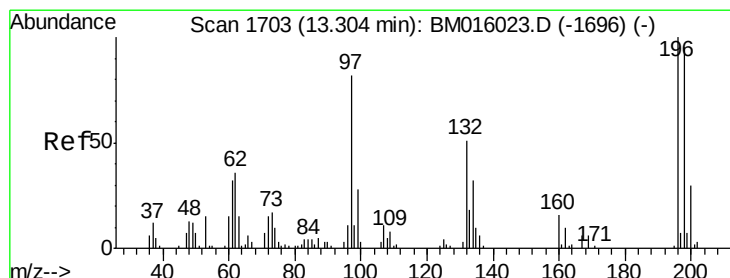
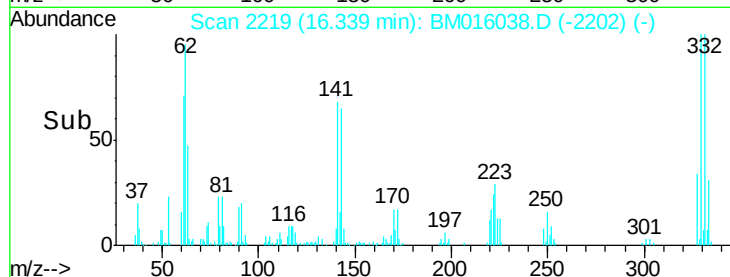
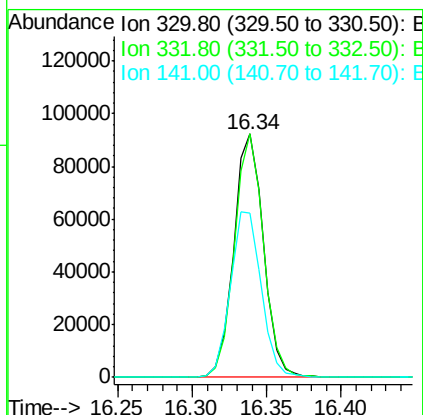
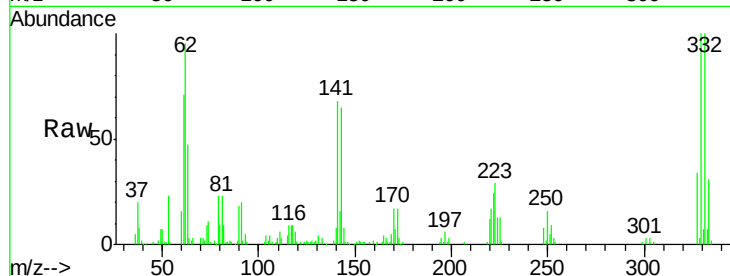




#41
 2,4,6-Tribromophenol
 Concen: 9.563 ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

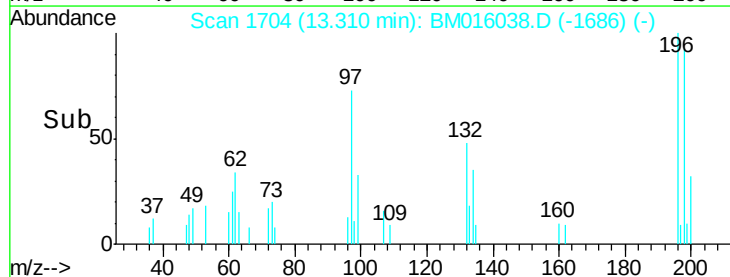
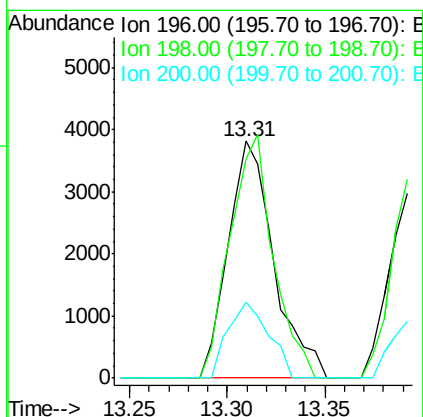
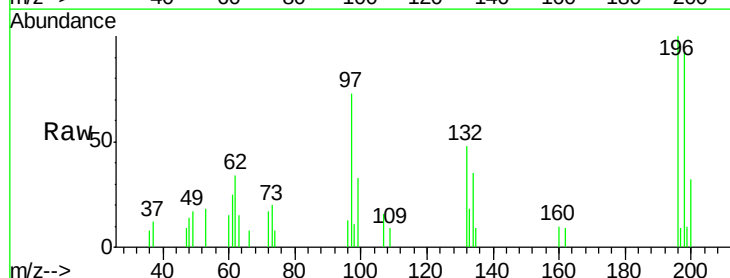
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

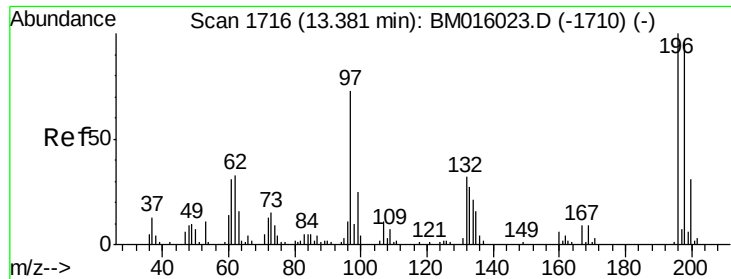
Tgt Ion:330 Resp: 128135
 Ion Ratio Lower Upper
 330 100
 332 97.8 0.0 0.0#
 141 70.9 0.0 0.0#



#42
 2,4,6-Trichlorophenol
 Concen: 3.736 ng
 RT: 13.31 min Scan# 1704
 Delta R.T. 0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:196 Resp: 6194
 Ion Ratio Lower Upper
 196 100
 198 92.4 76.3 114.5
 200 31.9 25.6 38.4

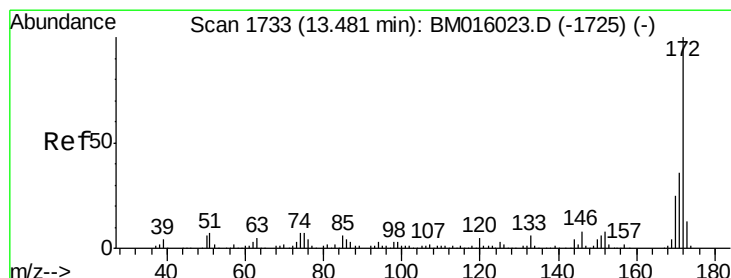
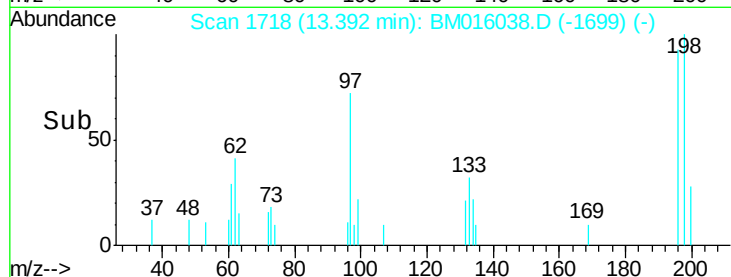
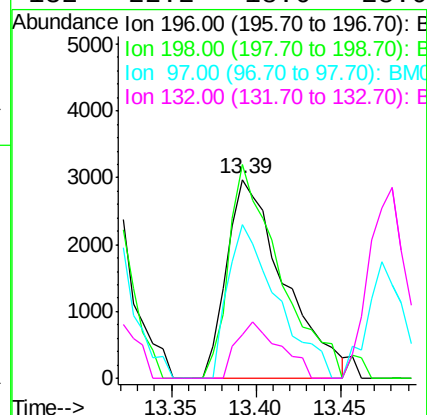
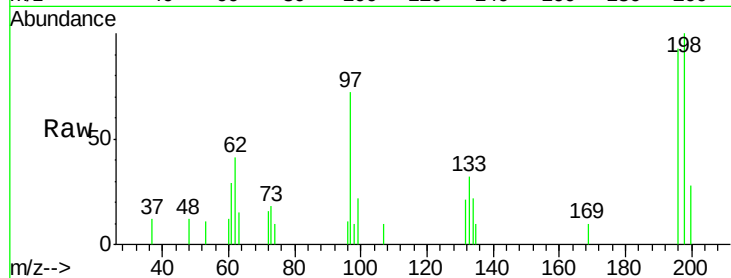




#43
 2,4,5-Trichlorophenol
 Concen: 4.096 ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

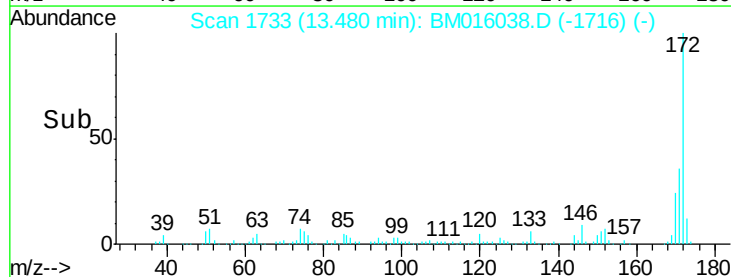
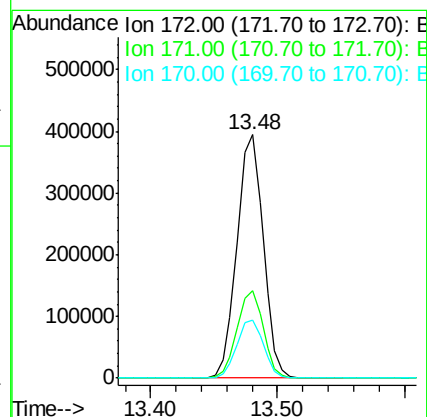
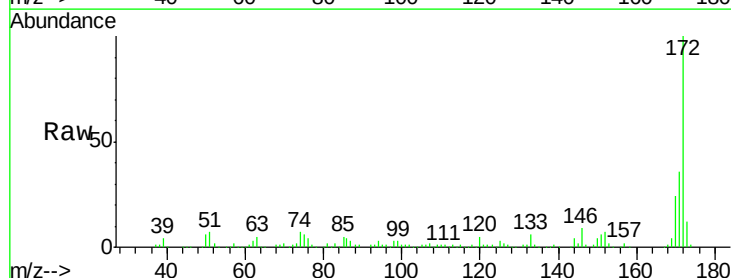
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

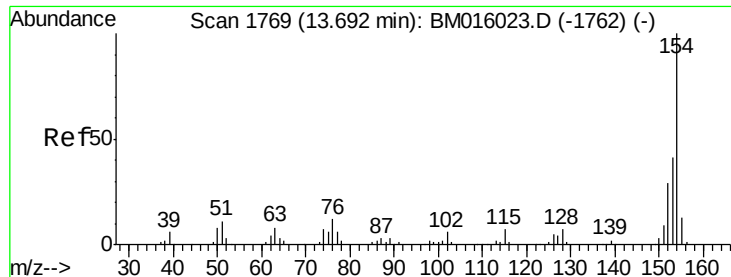
Tgt Ion	Ratio	Lower	Upper
196	100		
198	107.4	79.4	119.0
97	76.9	26.8	40.2
132	22.2	18.6	28.0



#44
 2-Fluorobiphenyl
 Concen: 4.096 ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	24.0	18.8	28.2

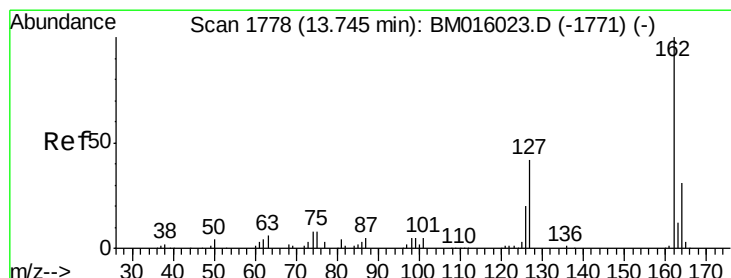
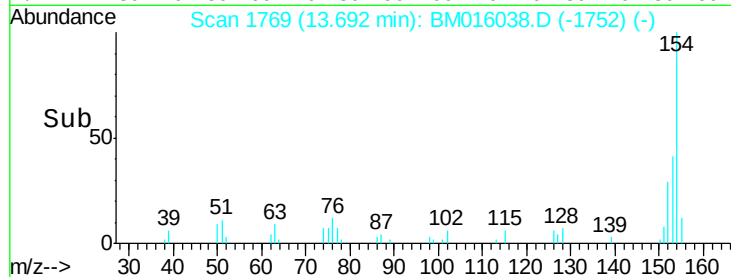
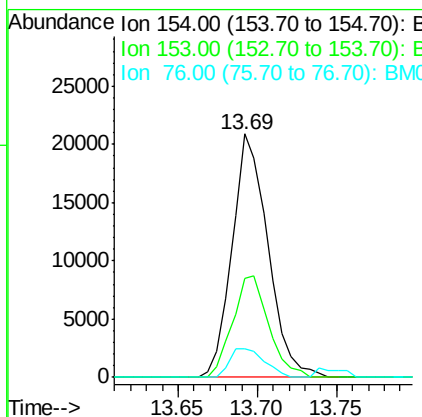
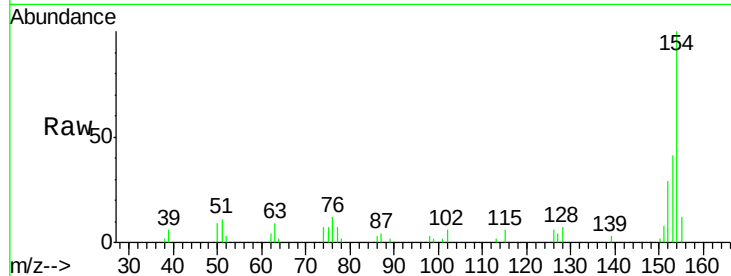




#45
 1,1'-Biphenyl
 Concen: 4.667 ng
 RT: 13.69 min Scan# 1769
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

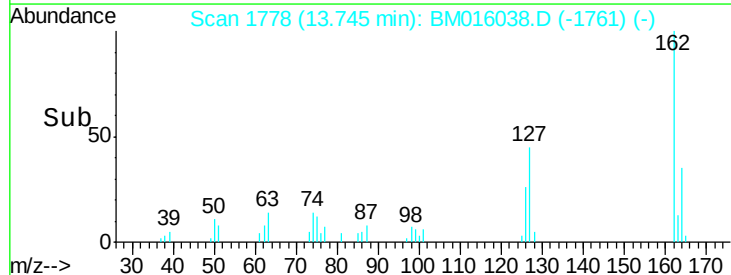
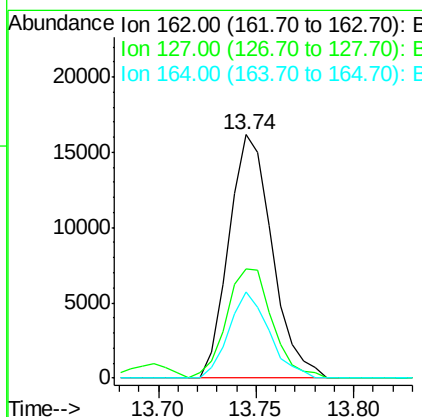
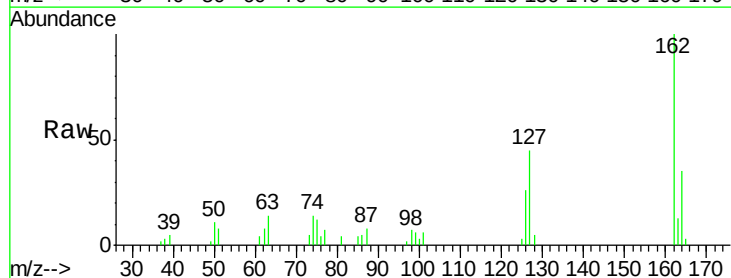
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

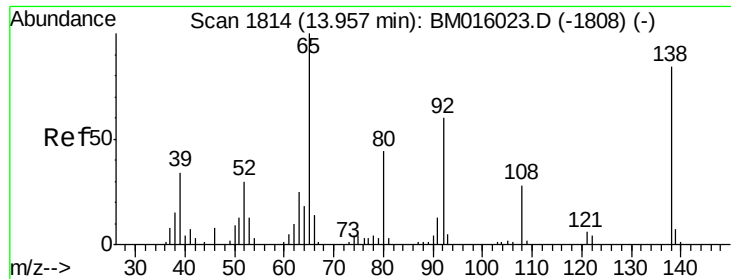
Tgt Ion:	154	Resp:	32788
Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.7	60.7
76	11.5	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 4.551 ng
 RT: 13.74 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:	162	Resp:	24869
Ion	Ratio	Lower	Upper
162	100		
127	44.6	26.9	40.3#
164	35.5	26.8	40.2

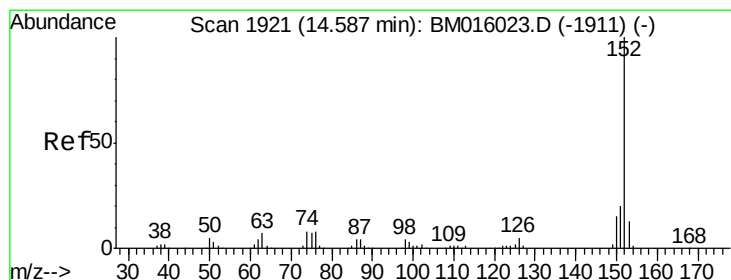
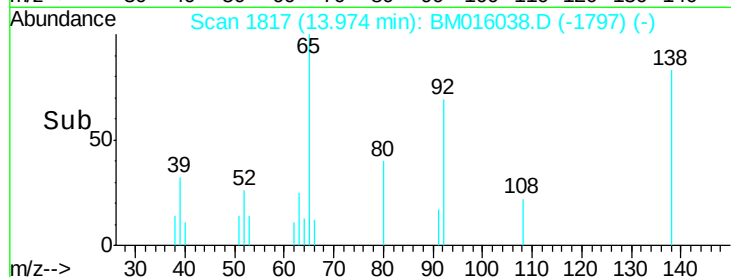
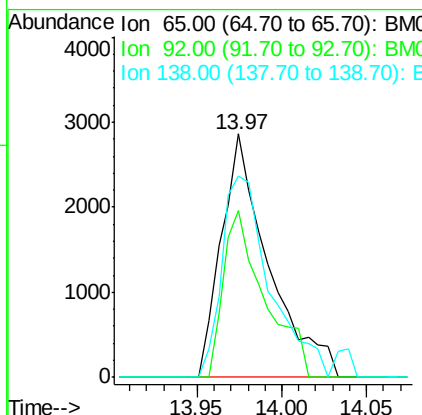
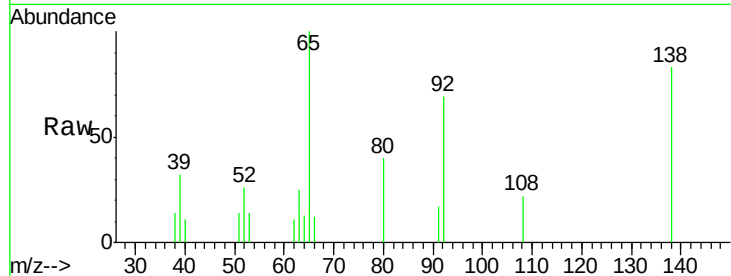




#47
2-Nitroaniline
Concen: 3.087 ng
RT: 13.97 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

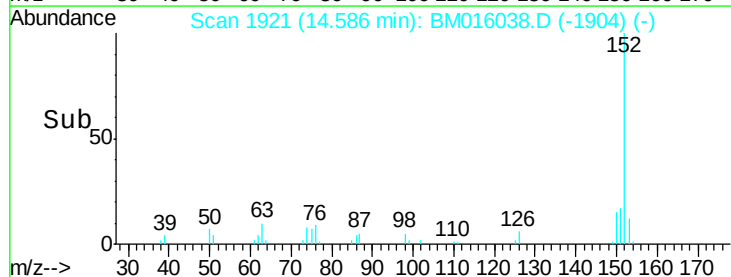
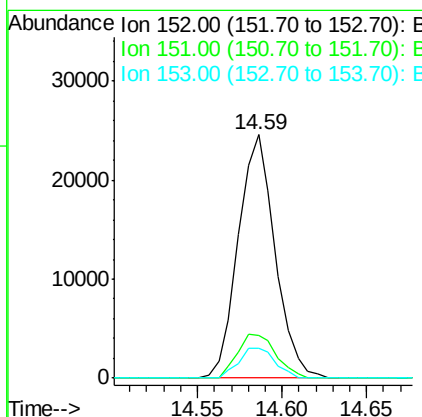
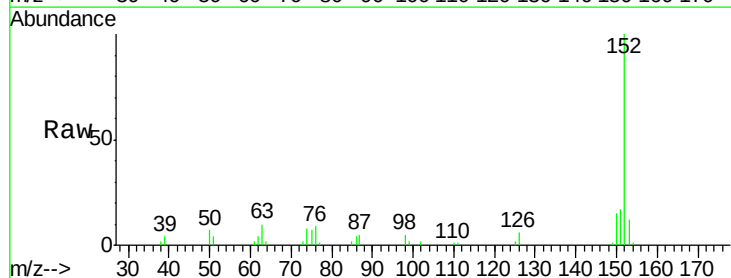
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

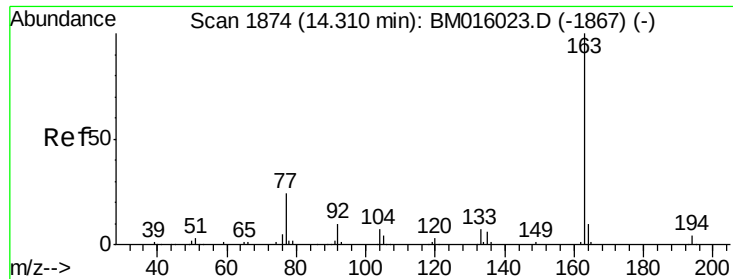
Tgt Ion: 65 Resp: 5576
Ion Ratio Lower Upper
65 100
92 68.7 59.1 88.7
138 82.9 93.9 140.9#



#48
Acenaphthylene
Concen: 4.660 ng
RT: 14.59 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion: 152 Resp: 37275
Ion Ratio Lower Upper
152 100
151 17.3 15.9 23.9
153 12.1 10.6 16.0





#49

Dimethylphthalate

Concen: 4.689 ng

RT: 14.30 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

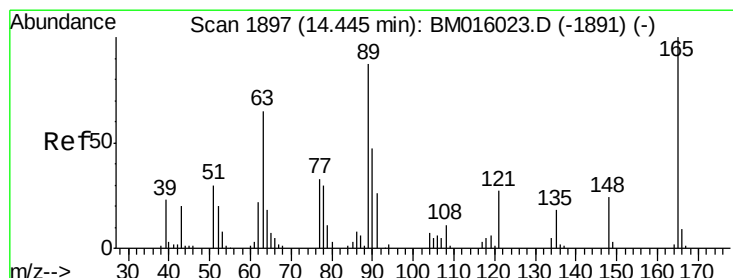
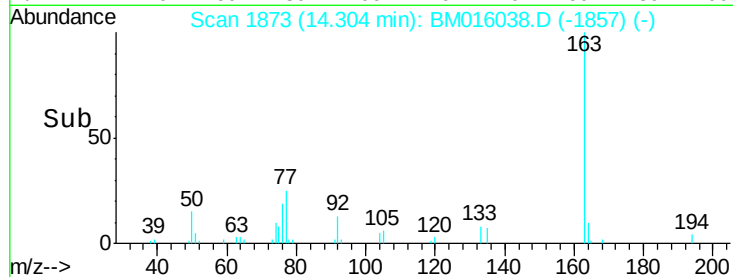
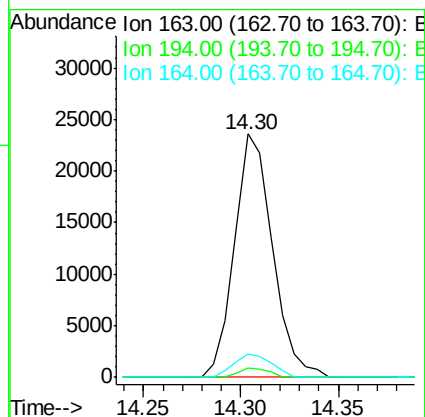
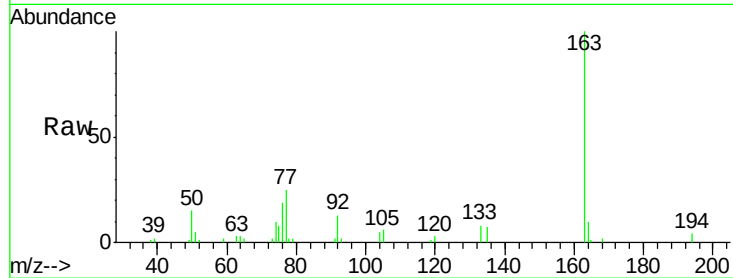
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:163	Resp:	31947
Ion Ratio	Lower	Upper
163	100	
194	4.1	2.7 4.1#
164	9.8	8.2 12.2



#50

2,6-Dinitrotoluene

Concen: 3.811 ng

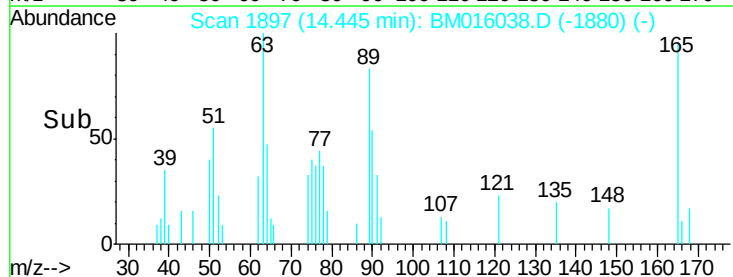
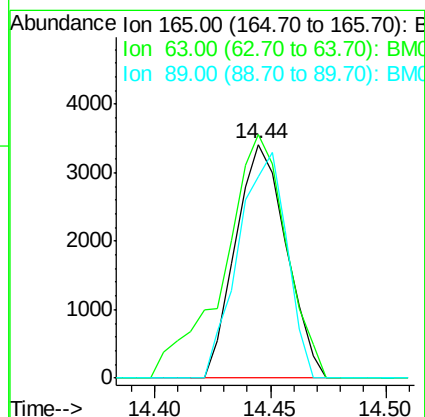
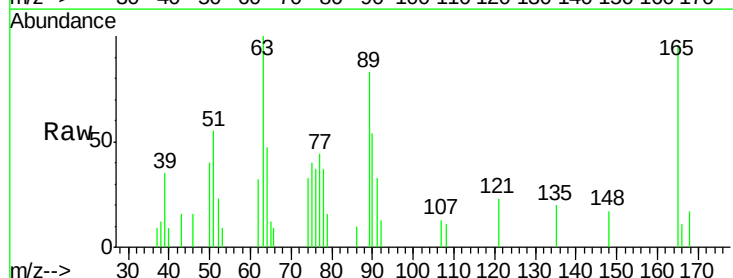
RT: 14.44 min Scan# 1897

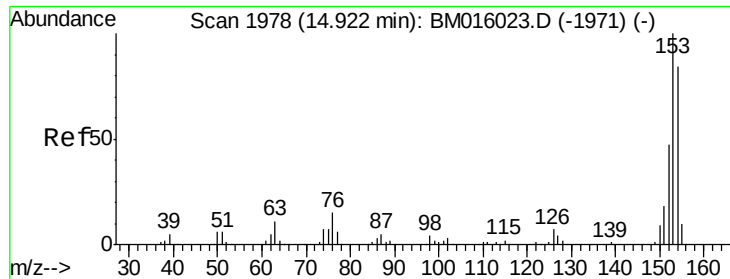
Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Tgt Ion:165	Resp:	5224
Ion Ratio	Lower	Upper
165	100	
63	104.1	44.1 66.1#
89	86.3	44.3 66.5#





#51

Acenaphthene

Concen: 4.762 ng

RT: 14.92 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

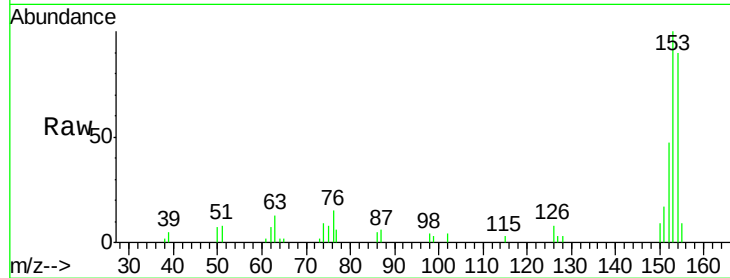
Tgt Ion:154 Resp: 23426

Ion Ratio Lower Upper

154 100

153 110.6 90.0 135.0

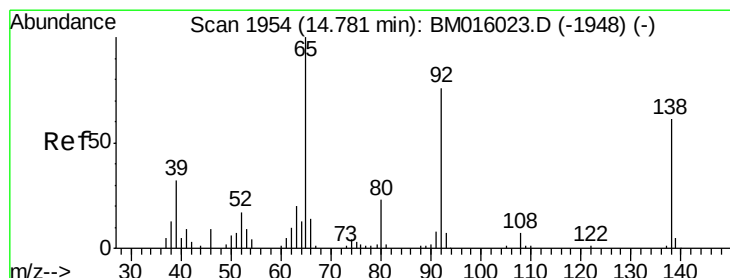
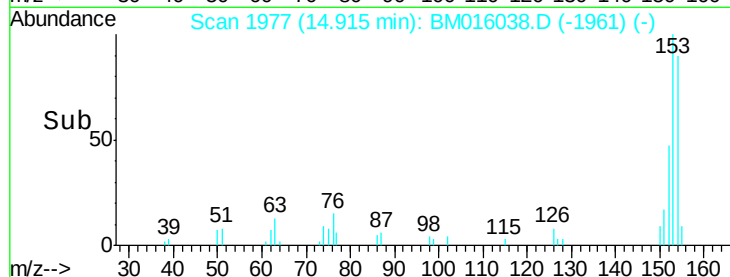
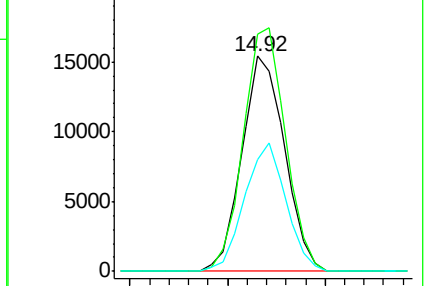
152 52.0 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 2.225 ng

RT: 14.80 min Scan# 1957

Delta R.T. 0.02 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

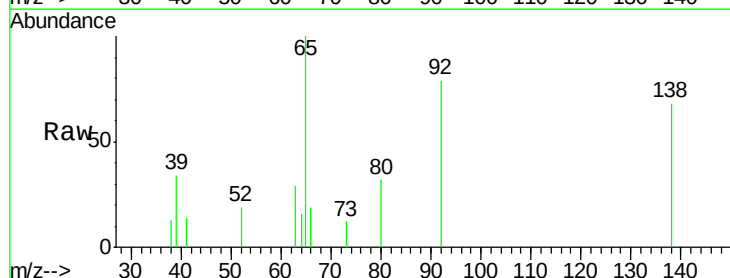
Tgt Ion:138 Resp: 3294

Ion Ratio Lower Upper

138 100

108 0.0 7.3 10.9#

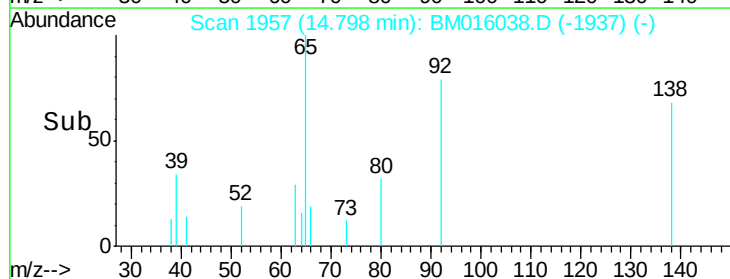
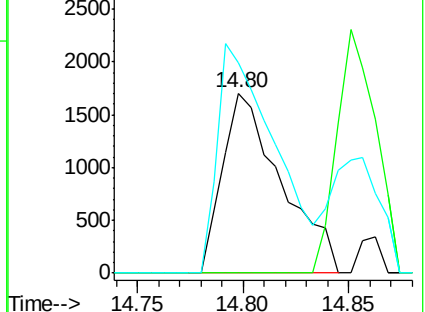
92 117.0 76.6 114.8#

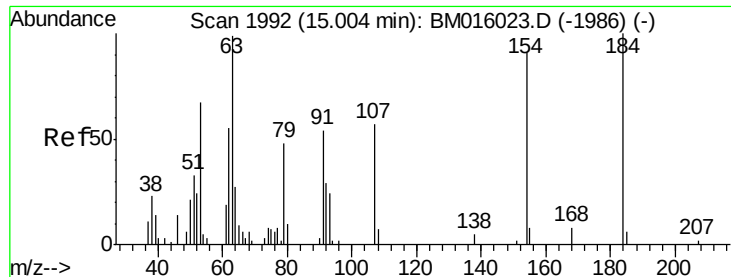


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#53

2,4-Dinitrophenol

Concen: 7.485 ng

RT: 15.04 min Scan# 1998

Delta R.T. 0.03 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

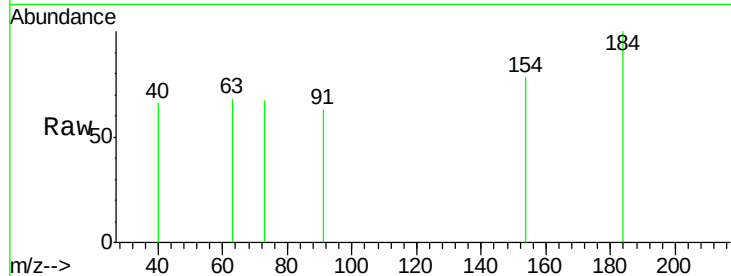
Tgt Ion:184 Resp: 871

Ion Ratio Lower Upper

184 100

63 68.1 69.2 103.8#

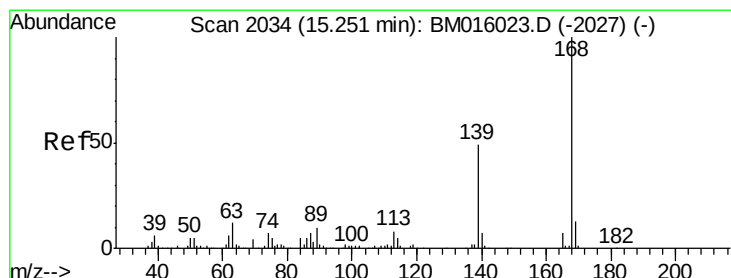
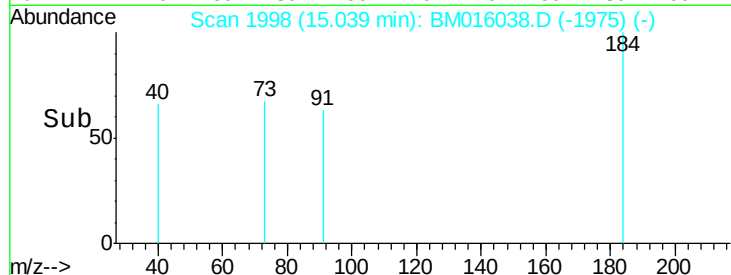
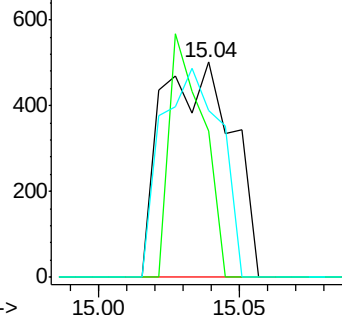
154 77.6 53.3 79.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 4.633 ng

RT: 15.26 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

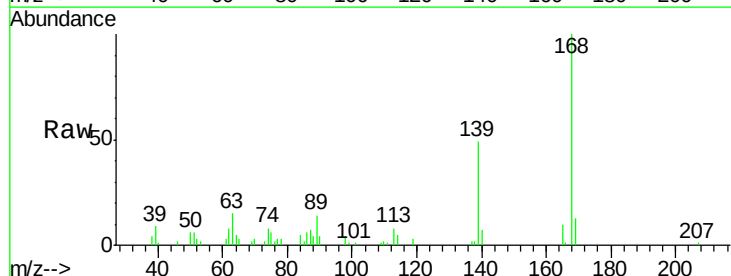
Tgt Ion:168 Resp: 37562

Ion Ratio Lower Upper

168 100

139 49.5 27.3 40.9#

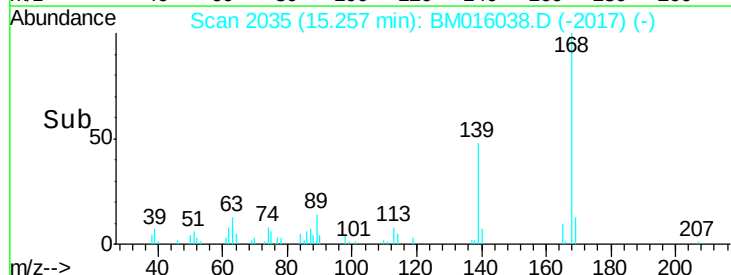
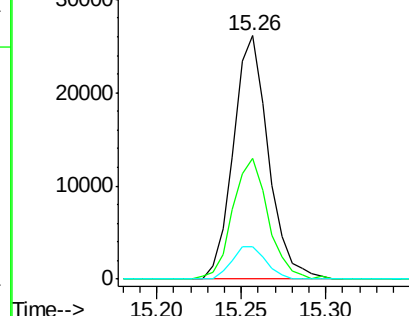
169 13.4 10.6 16.0

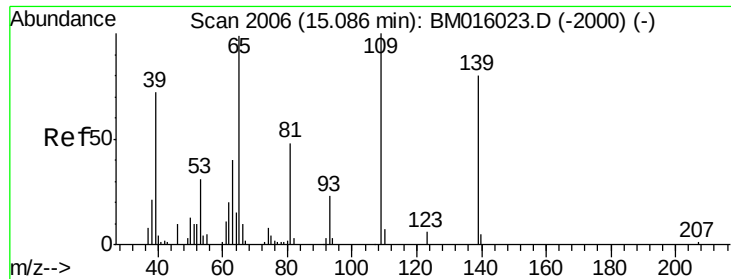


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

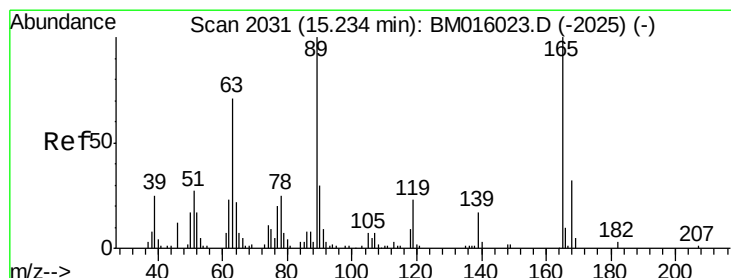
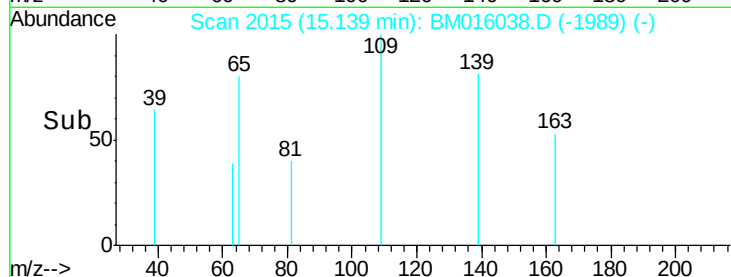
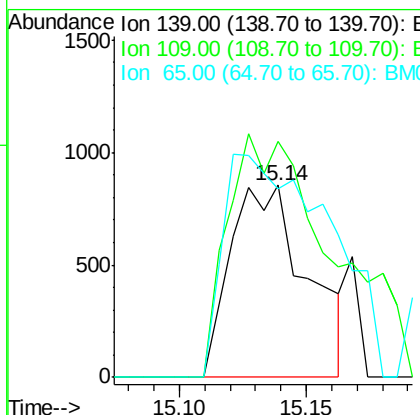
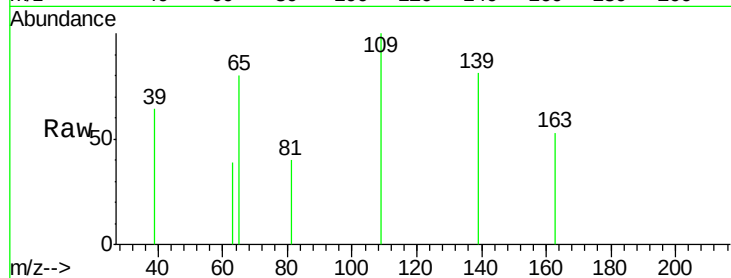




#55
4-Nitrophenol
Concen: 1.686 ng
RT: 15.14 min Scan# 2015
Delta R.T. 0.05 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

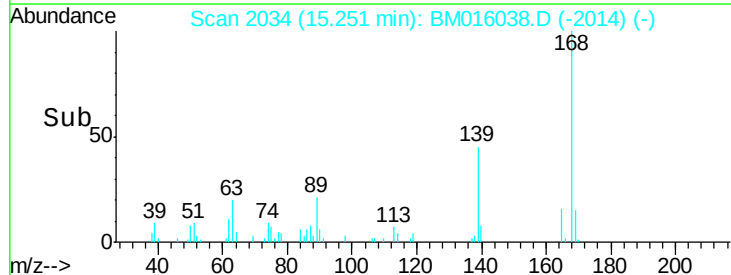
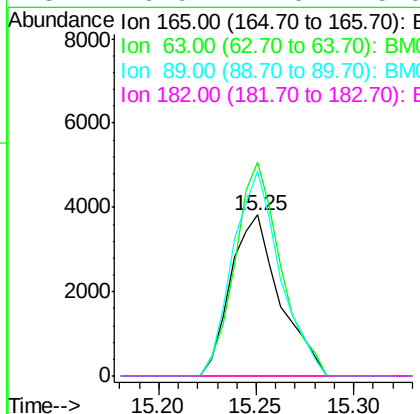
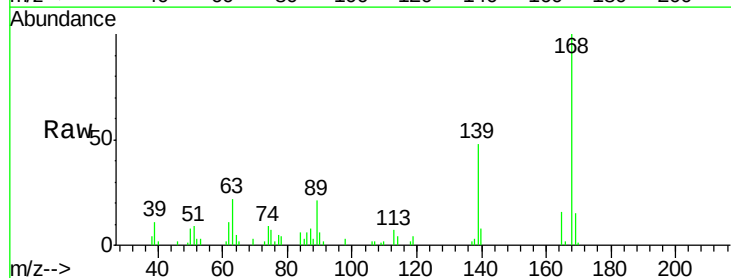
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

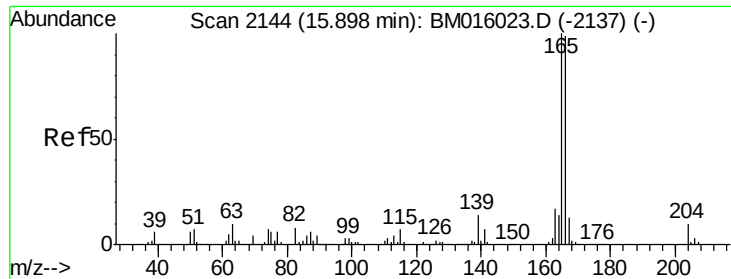
Tgt Ion:139 Resp: 1789
Ion Ratio Lower Upper
139 100
109 123.1 130.0 170.0#
65 98.5 130.0 170.0#



#56
2,4-Dinitrotoluene
Concen: 3.389 ng
RT: 15.25 min Scan# 2034
Delta R.T. 0.02 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion:165 Resp: 6643
Ion Ratio Lower Upper
165 100
63 132.6 52.4 78.6#
89 127.1 72.4 108.6#
182 0.0 2.0 3.0#

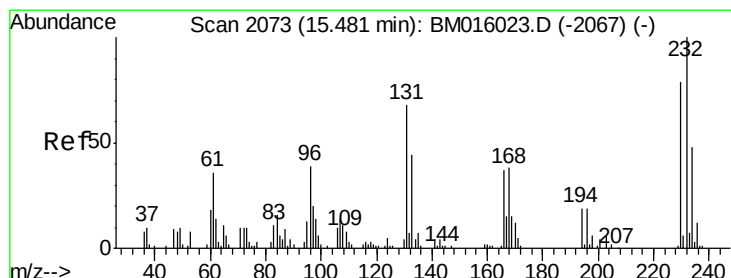
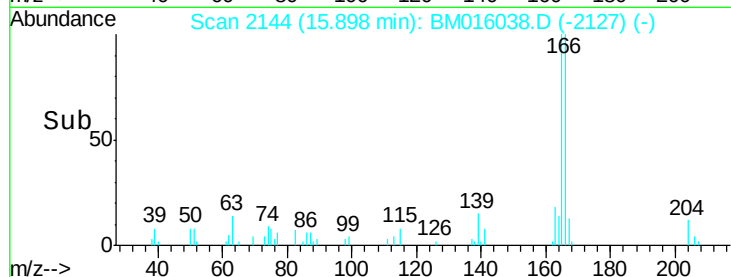
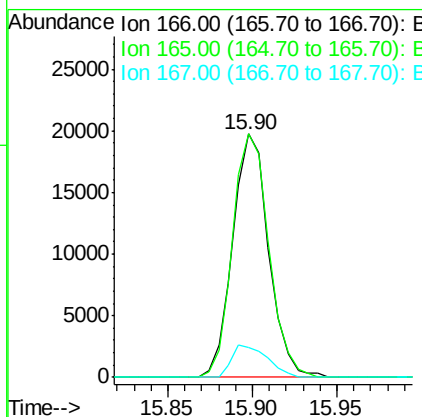
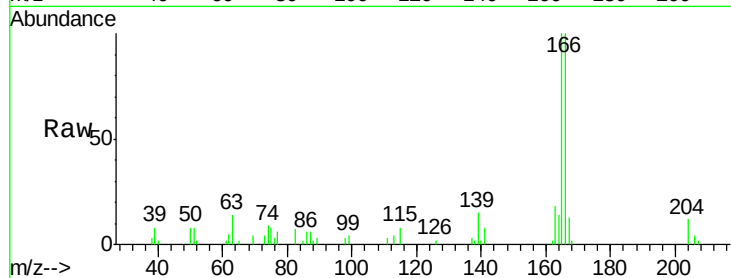




#57
 Fluorene
 Concen: 4.853 ng
 RT: 15.90 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

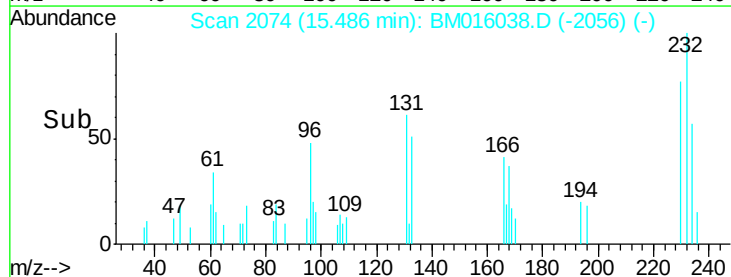
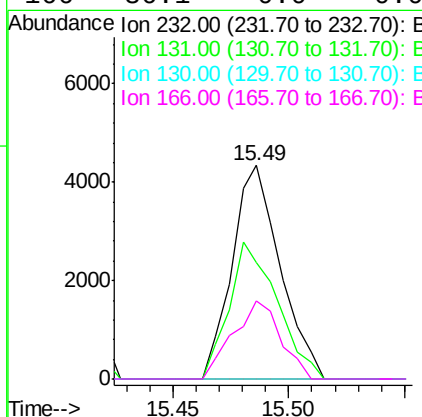
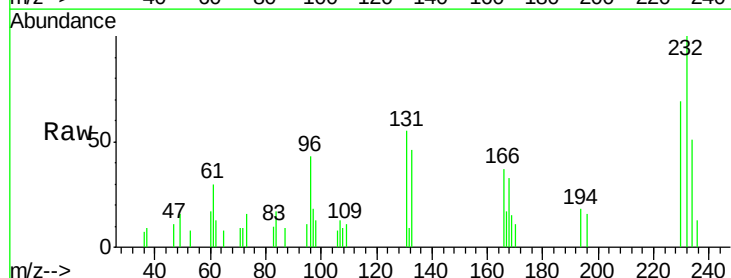
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

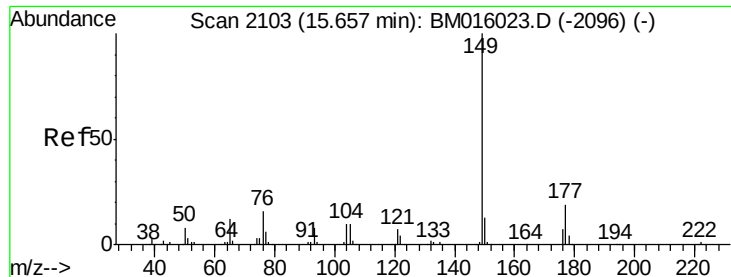
Tgt Ion:166 Resp: 29238
 Ion Ratio Lower Upper
 166 100
 165 100.2 79.0 118.4
 167 12.5 10.3 15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 4.273 ng
 RT: 15.49 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:232 Resp: 6282
 Ion Ratio Lower Upper
 232 100
 131 64.1 0.0 0.0#
 130 0.0 0.0 0.0
 166 36.1 0.0 0.0#

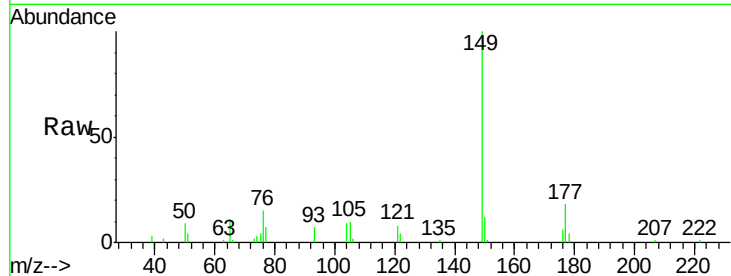




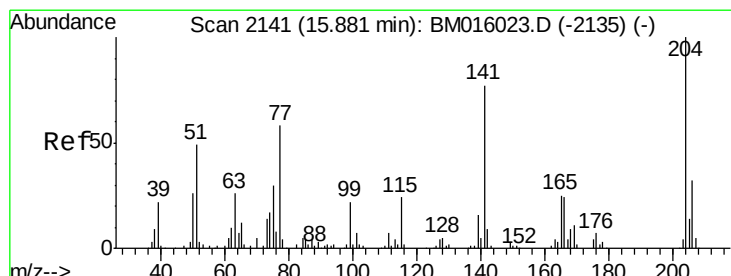
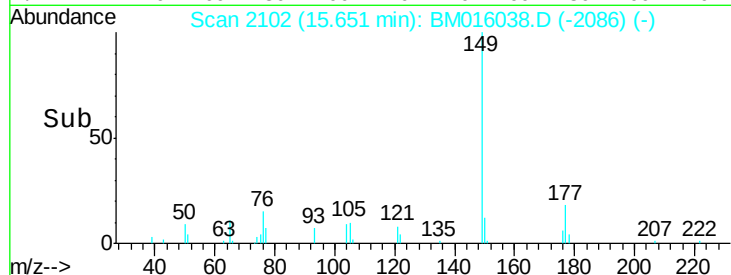
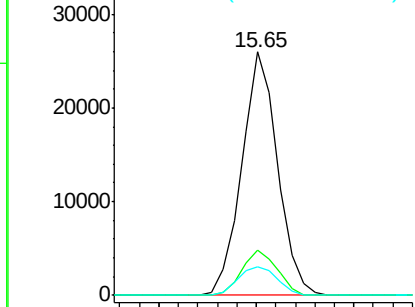
#59
Diethylphthalate
Concen: 4.485 ng
RT: 15.65 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:149 Resp: 32934
Ion Ratio Lower Upper
149 100
177 18.3 18.3 27.5
150 11.7 9.8 14.8

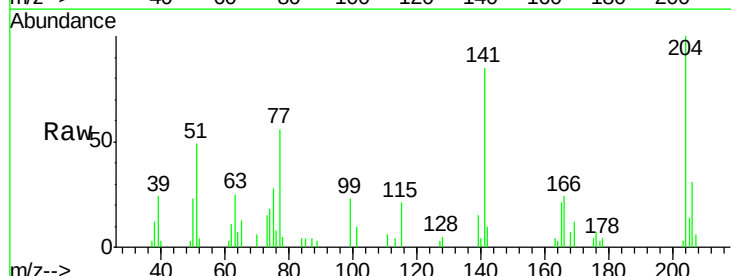


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

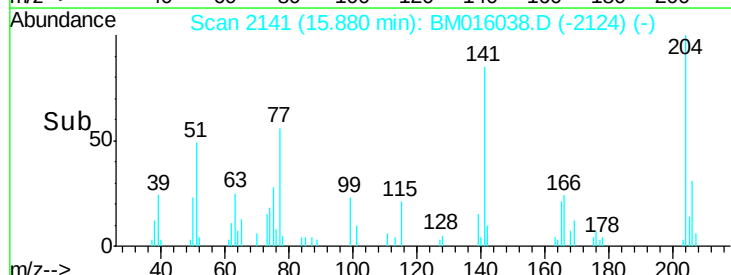
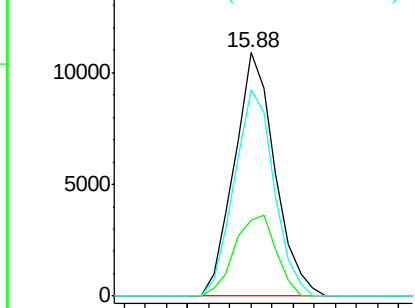


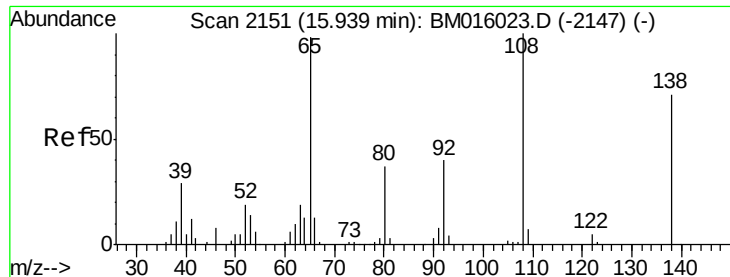
#60
4-Chlorophenyl-phenylether
Concen: 4.317 ng
RT: 15.88 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion:204 Resp: 14479
Ion Ratio Lower Upper
204 100
206 31.1 26.6 39.8
141 84.7 45.2 67.8#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 2.504 ng

RT: 15.95 min Scan# 2153

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

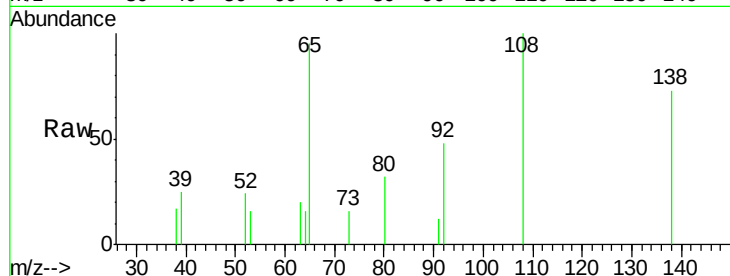
Tgt Ion:138 Resp: 3557

Ion Ratio Lower Upper

138 100

92 66.5 16.7 56.7#

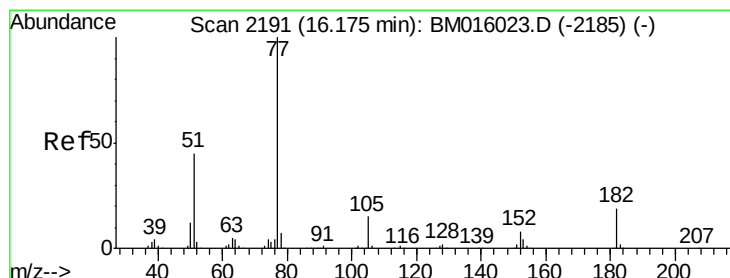
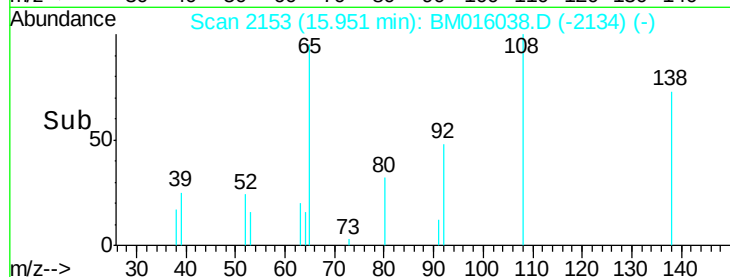
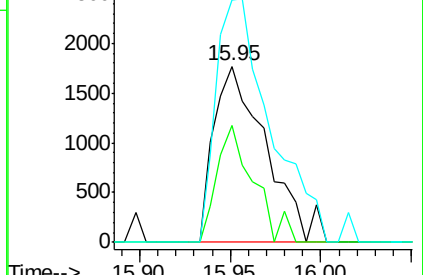
108 137.5 37.6 77.6#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 4.228 ng

RT: 16.17 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Tgt Ion: 77 Resp: 32696

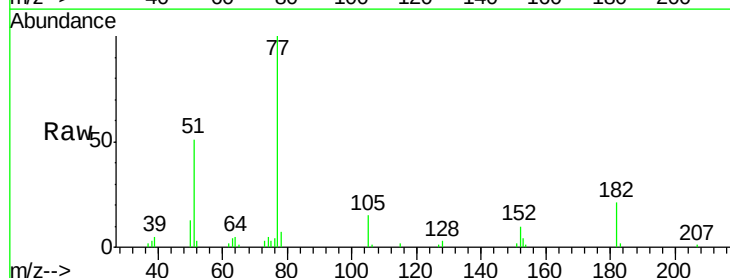
Ion Ratio Lower Upper

77 100

182 21.3 6.5 46.5

105 15.5 3.8 43.8

51 51.3 5.5 45.5#

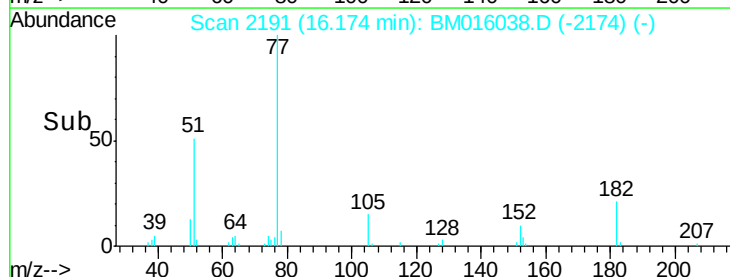
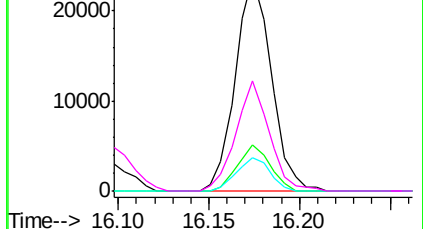


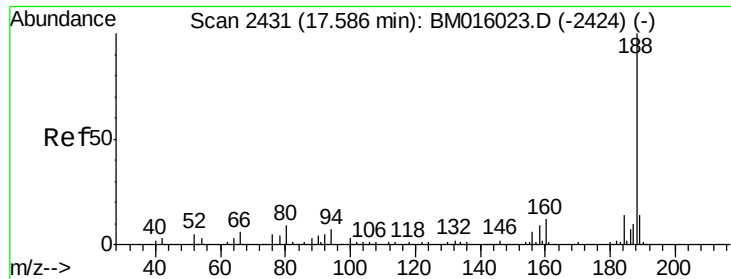
Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0

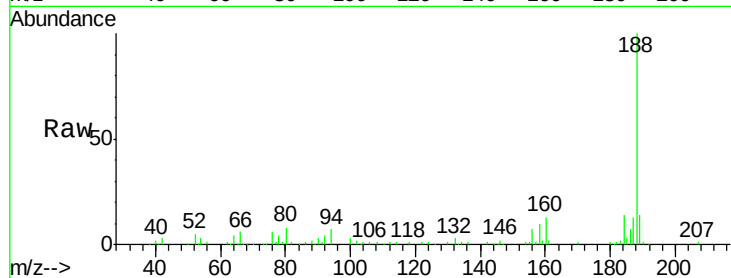




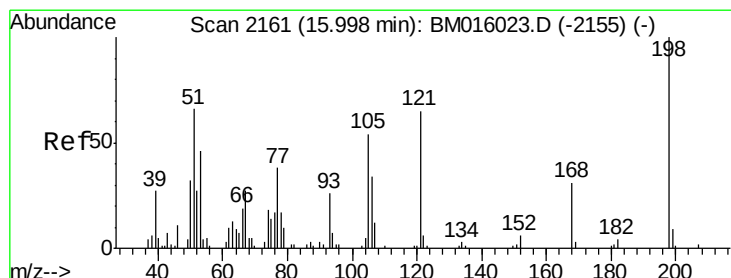
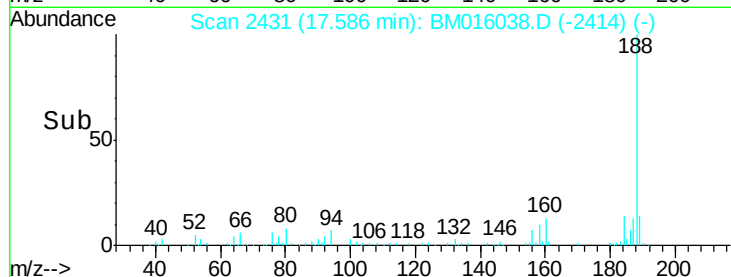
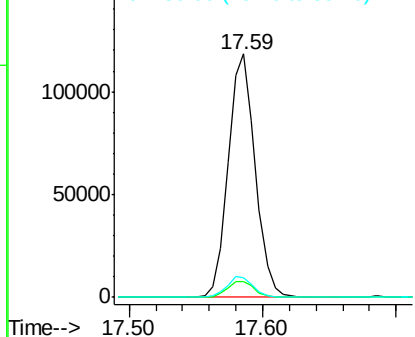
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.59 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:188 Resp: 167377
Ion Ratio Lower Upper
188 100
94 6.7 8.7 13.1#
80 7.8 9.3 13.9#

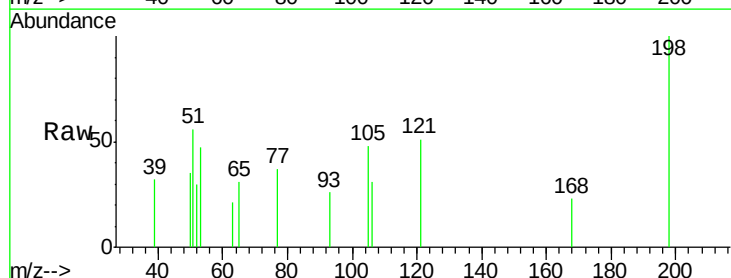


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

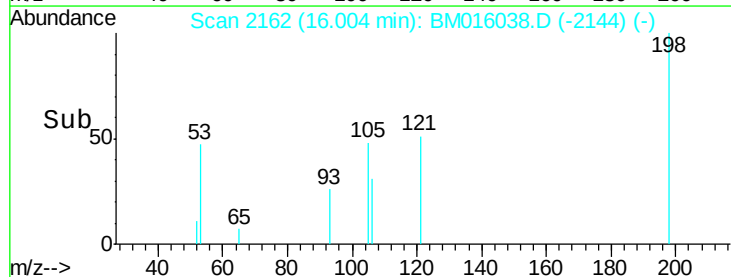
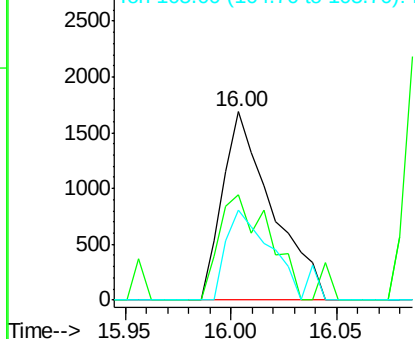


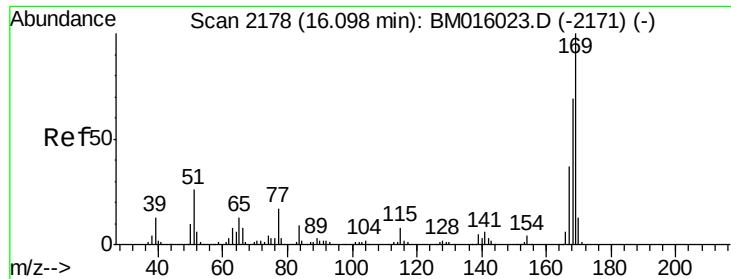
#64
4,6-Dinitro-2-methylphenol
Concen: 2.704 ng
RT: 16.00 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion:198 Resp: 2747
Ion Ratio Lower Upper
198 100
51 56.0 28.8 68.8
105 48.0 30.5 70.5



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BM0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 4.468 ng

RT: 16.10 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

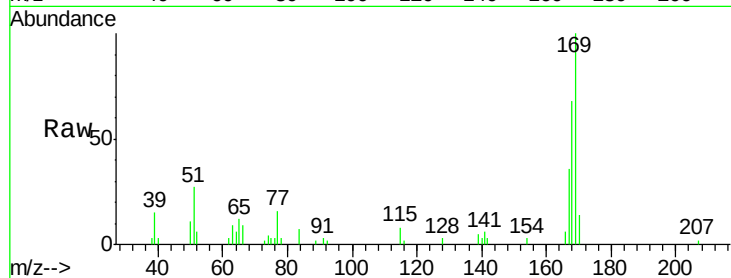
Tgt Ion:169 Resp: 24627

Ion Ratio Lower Upper

169 100

168 68.2 53.9 80.9

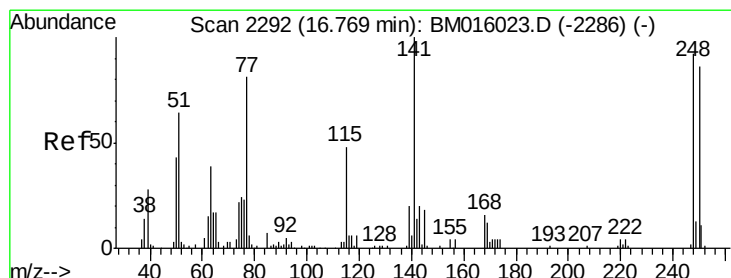
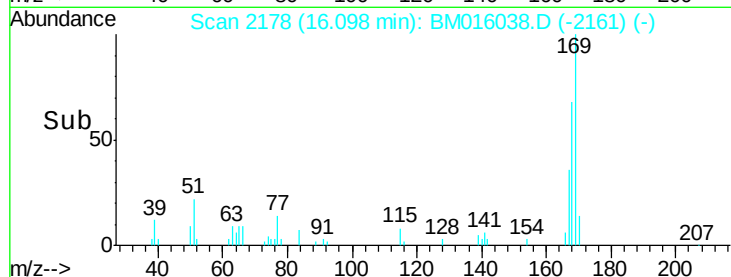
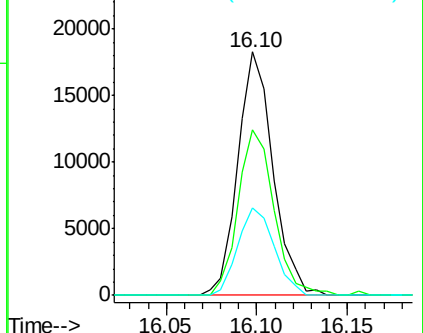
167 35.9 28.9 43.3



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.349 ng

RT: 16.77 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

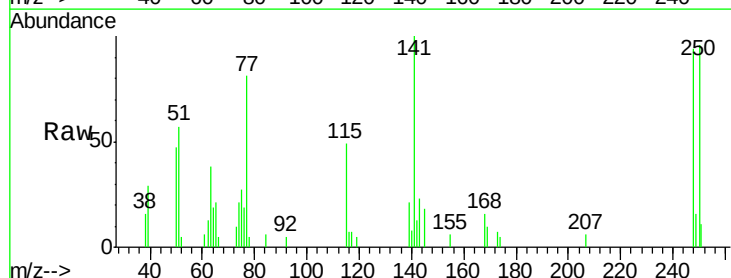
Tgt Ion:248 Resp: 8243

Ion Ratio Lower Upper

248 100

250 101.3 77.4 116.0

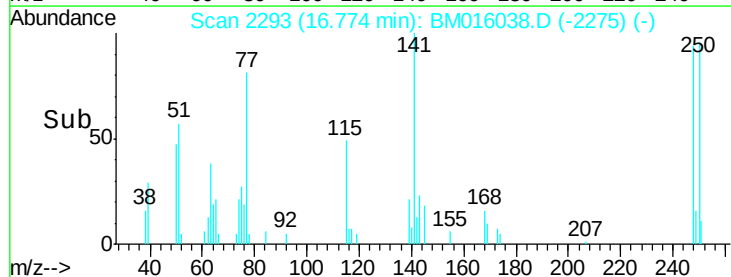
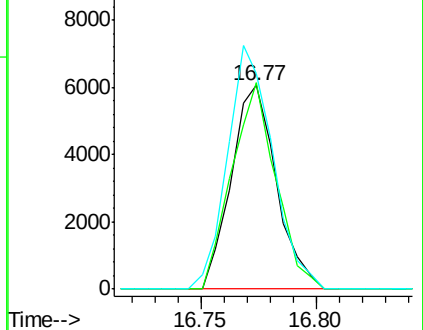
141 106.1 45.2 67.8#

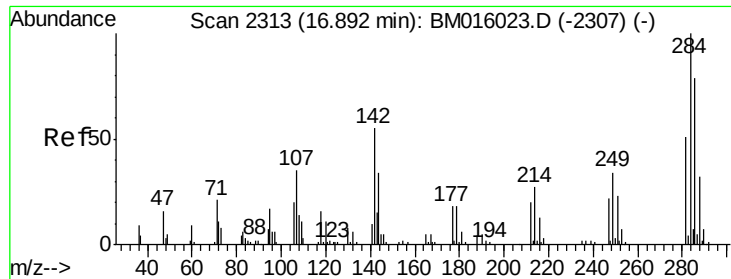


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

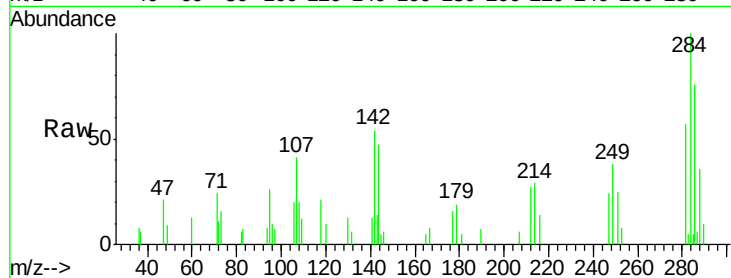




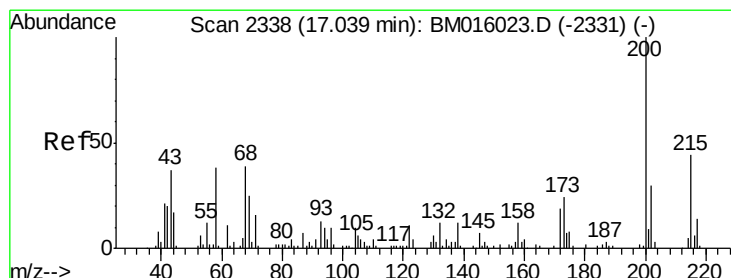
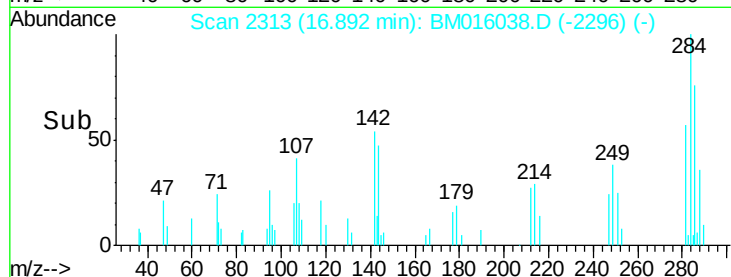
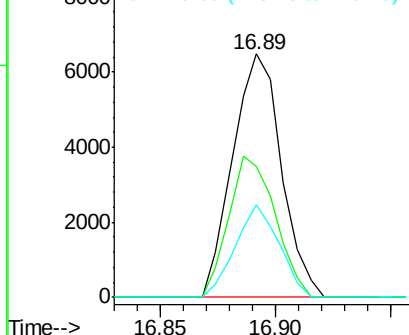
#67
Hexachlorobenzene
Concen: 4.560 ng
RT: 16.89 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion: 284 Resp: 9517
Ion Ratio Lower Upper
284 100
142 53.7 20.4 30.6#
249 38.1 23.8 35.6#

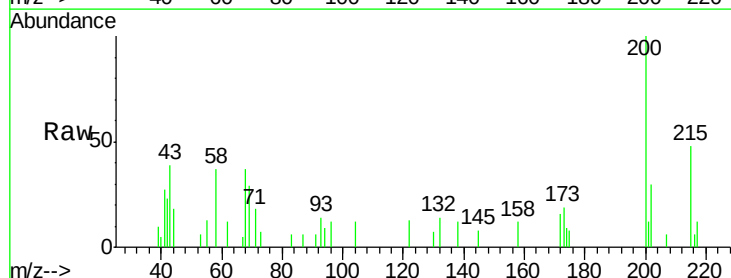


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

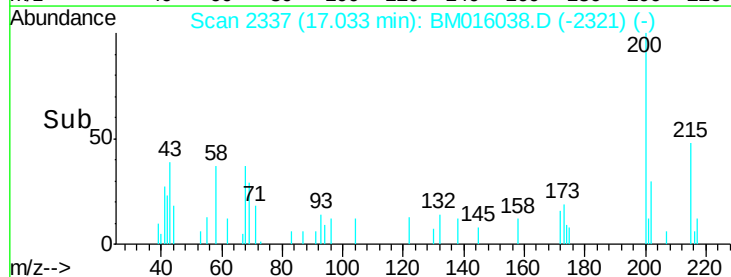
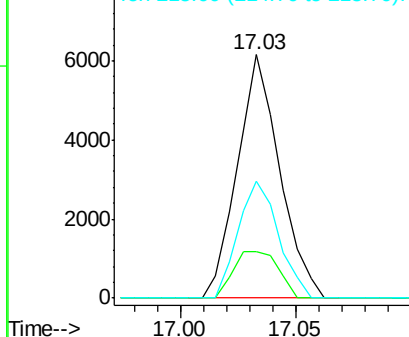


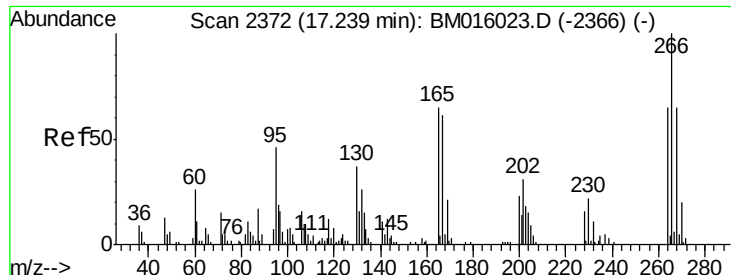
#68
Atrazine
Concen: 3.966 ng
RT: 17.03 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion: 200 Resp: 7835
Ion Ratio Lower Upper
200 100
173 19.0 4.8 44.8
215 47.8 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 2.491 ng

RT: 17.24 min Scan# 2373

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

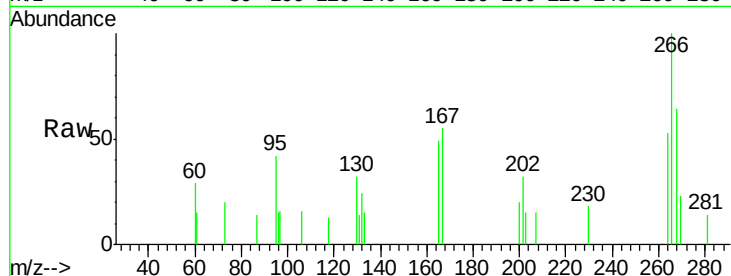
Tgt Ion:266 Resp: 3220

Ion Ratio Lower Upper

266 100

268 63.9 52.0 78.0

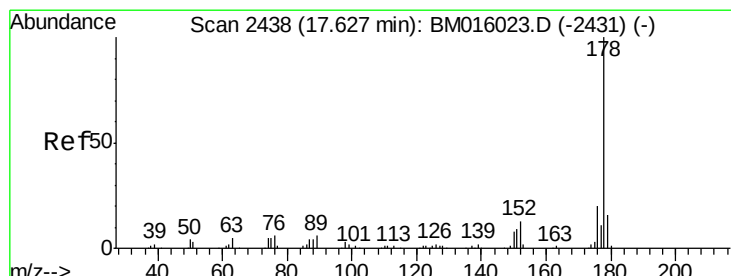
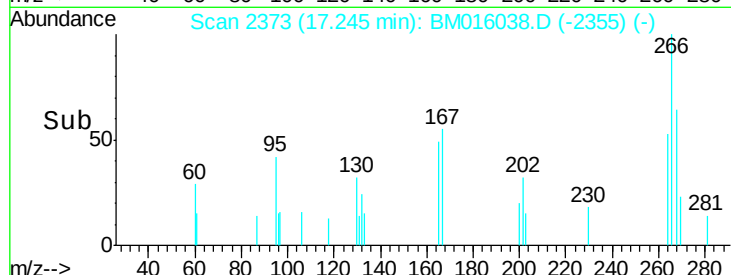
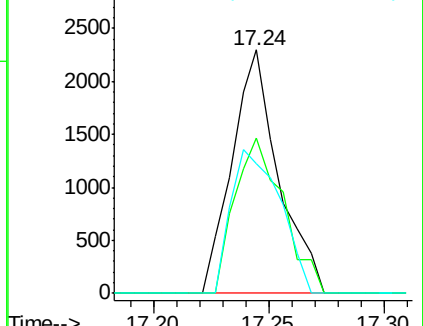
264 53.1 49.0 73.4



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 5.076 ng

RT: 17.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

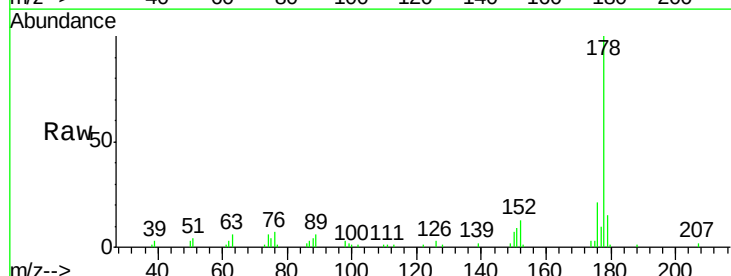
Tgt Ion:178 Resp: 47564

Ion Ratio Lower Upper

178 100

176 20.7 15.2 22.8

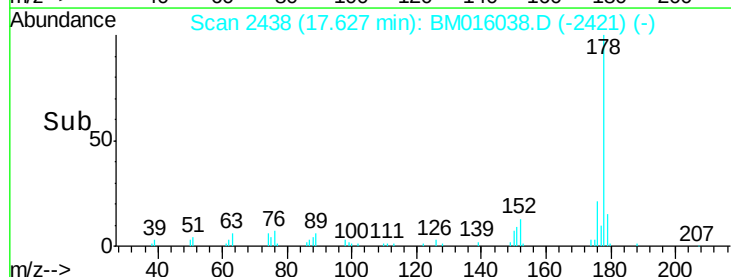
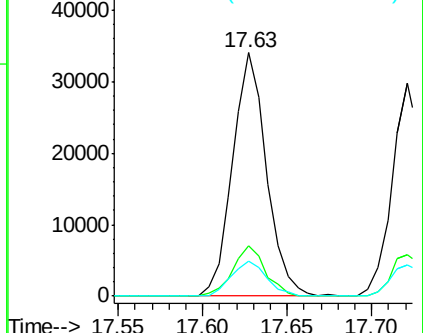
179 14.6 12.1 18.1

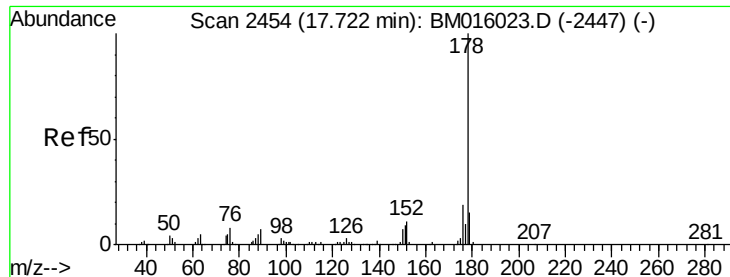


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

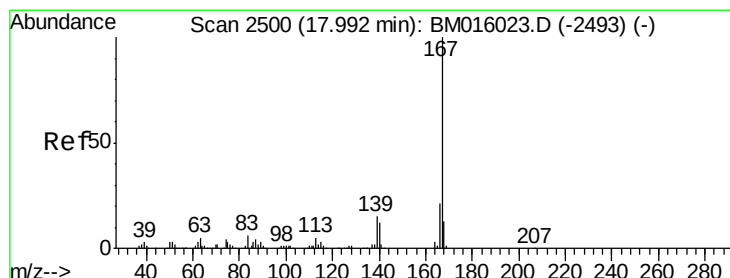
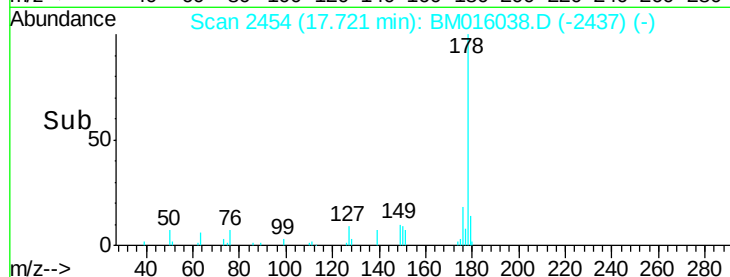
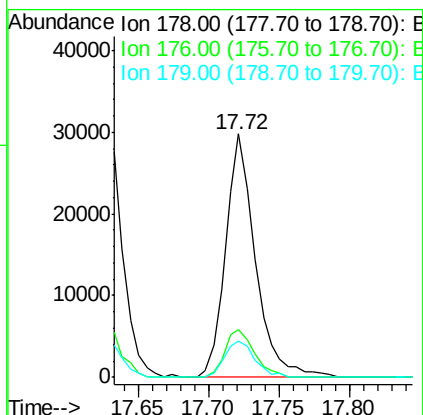
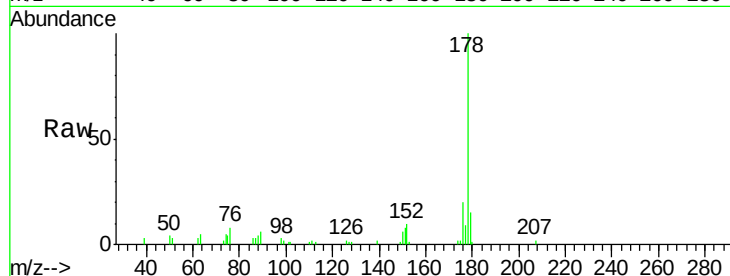




#71
 Anthracene
 Concen: 4.800 ng
 RT: 17.72 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

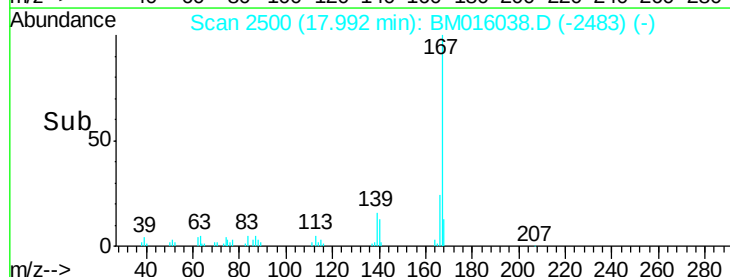
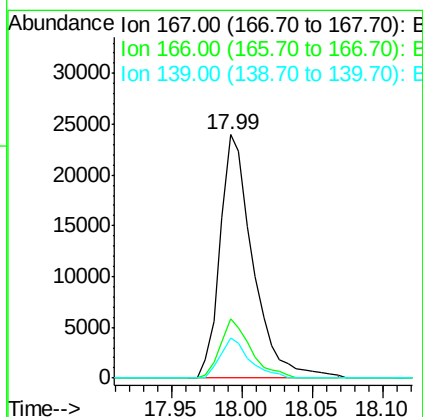
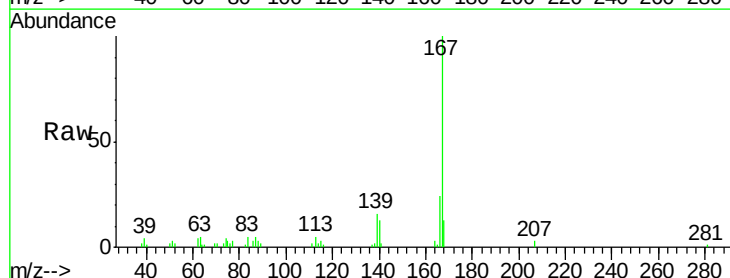
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

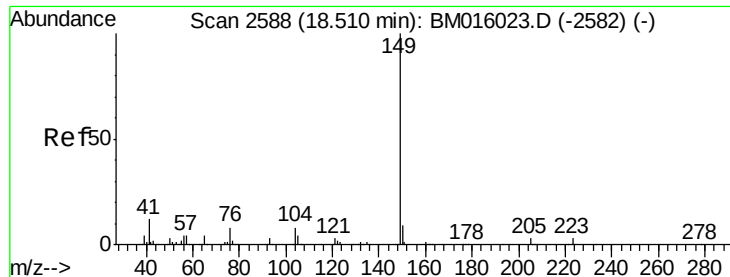
Tgt Ion:178 Resp: 43714
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 22.0
 179 14.7 12.6 19.0



#72
 Carbazole
 Concen: 4.129 ng
 RT: 17.99 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:167 Resp: 38956
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.2 25.8
 139 16.3 10.8 16.2#





#73

Di-n-butylphthalate

Concen: 3.881 ng

RT: 18.51 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

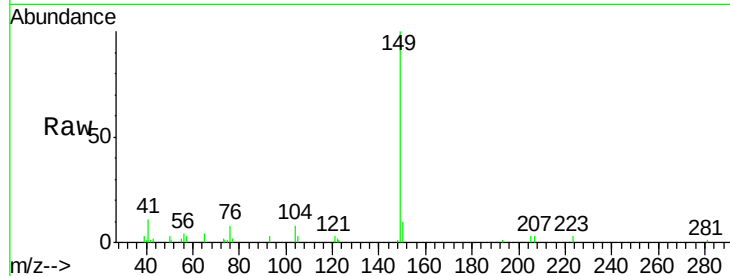
Tgt Ion:149 Resp: 45633

Ion Ratio Lower Upper

149 100

150 10.4 7.5 11.3

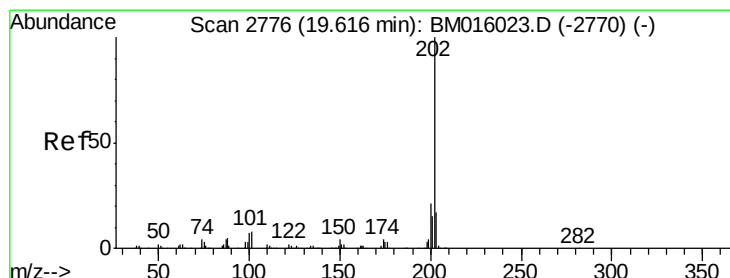
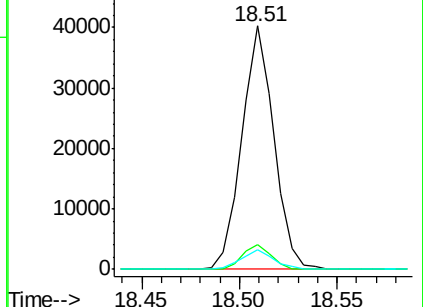
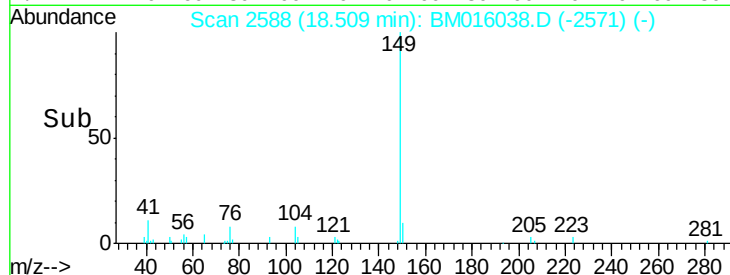
104 7.8 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 4.808 ng

RT: 19.62 min Scan# 2776

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

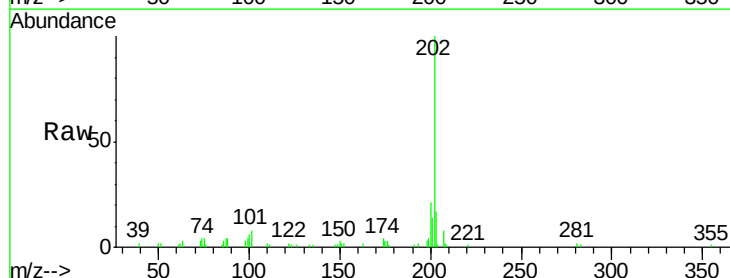
Tgt Ion:202 Resp: 50255

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.7

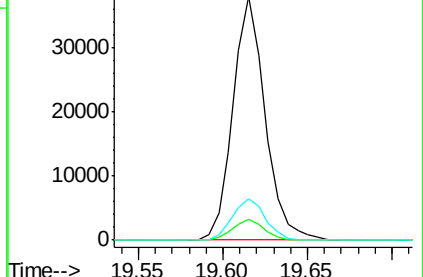
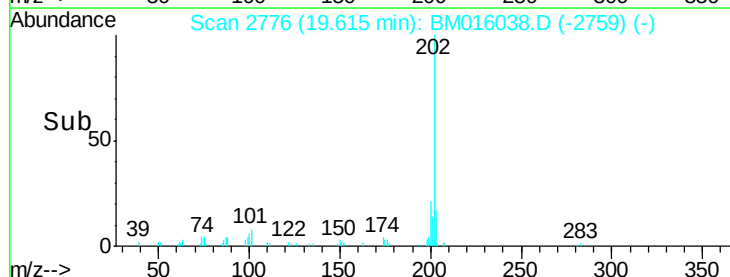
203 16.9 0.0 37.2

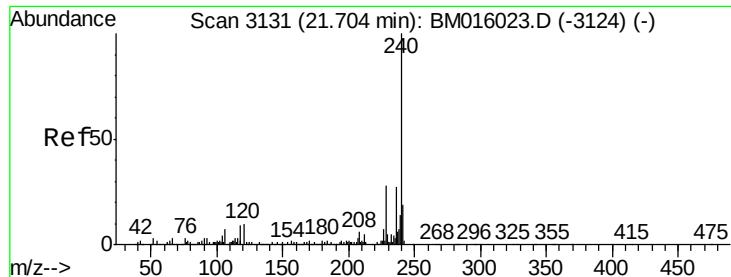


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

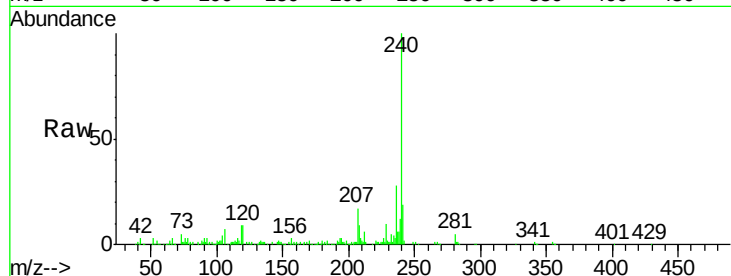
Tgt Ion:240 Resp: 183894

Ion Ratio Lower Upper

240 100

120 9.0 8.2 12.2

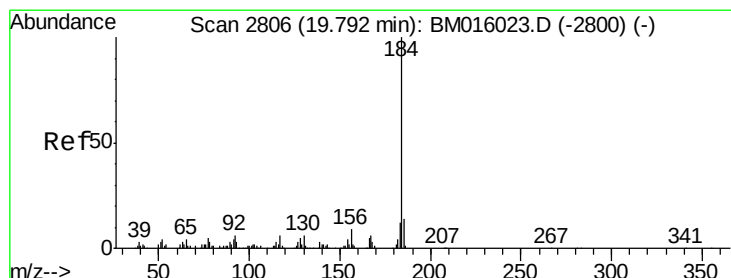
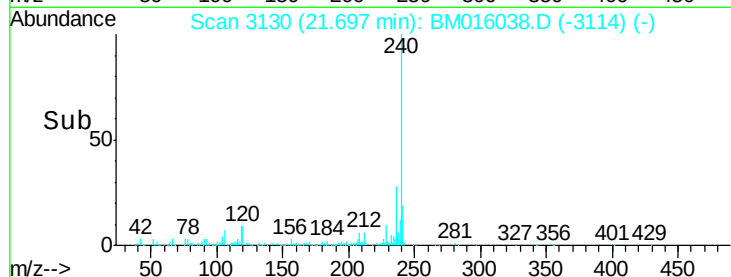
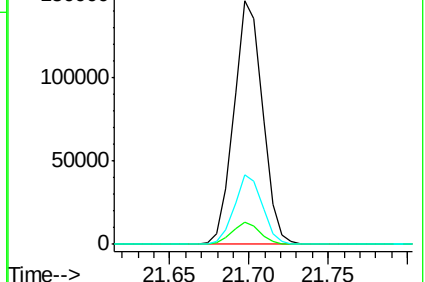
236 28.4 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.847 ng

RT: 19.80 min Scan# 2808

Delta R.T. 0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

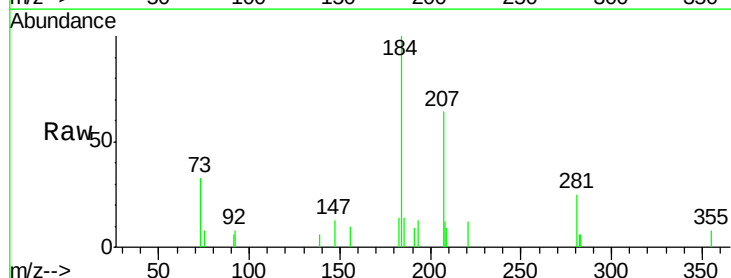
Tgt Ion:184 Resp: 9491

Ion Ratio Lower Upper

184 100

185 13.9 11.3 16.9

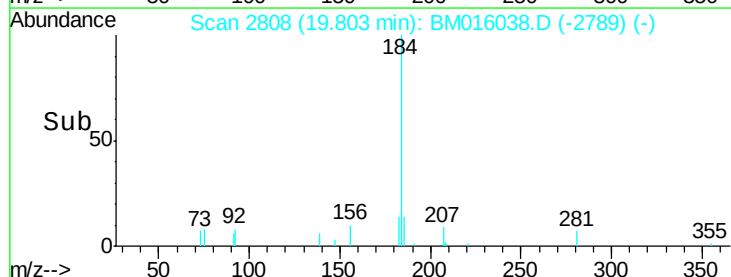
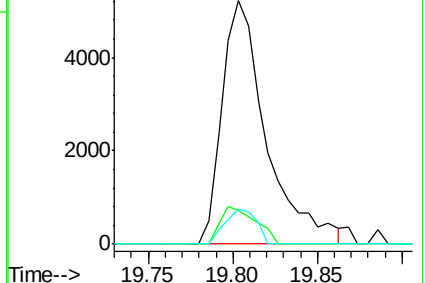
183 14.1 8.9 13.3#

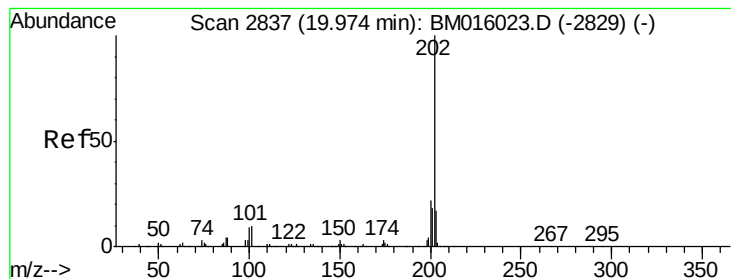


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.673 ng

RT: 19.97 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

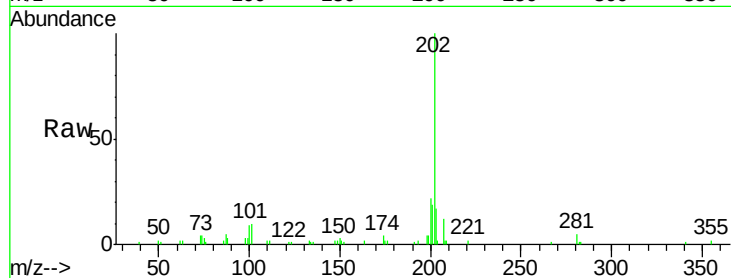
Tgt Ion:202 Resp: 51495

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

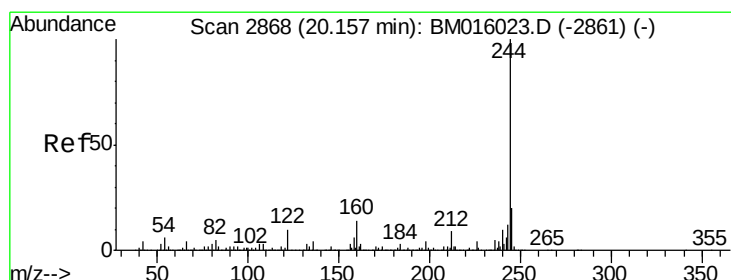
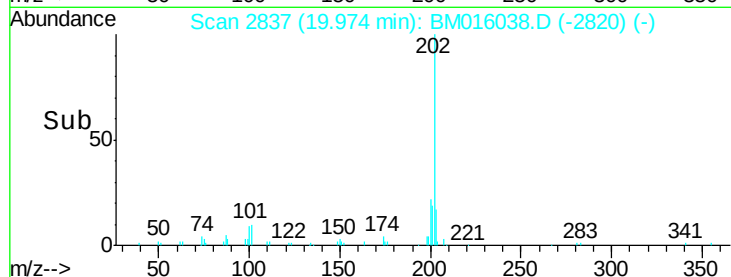
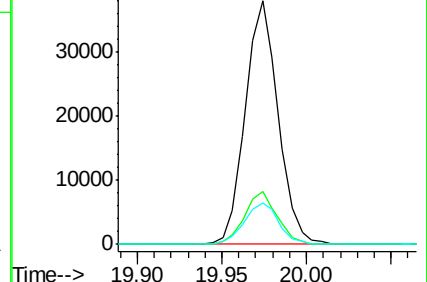
203 17.3 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 4.673 ng

RT: 20.16 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

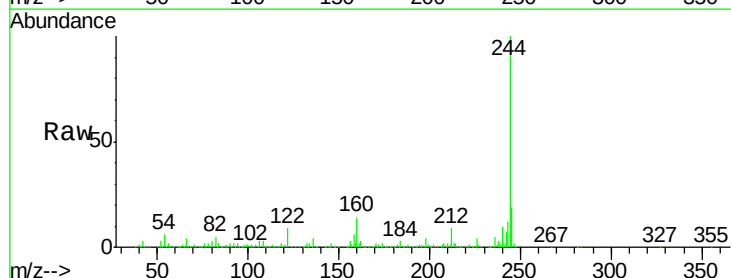
Tgt Ion:244 Resp: 1089590

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

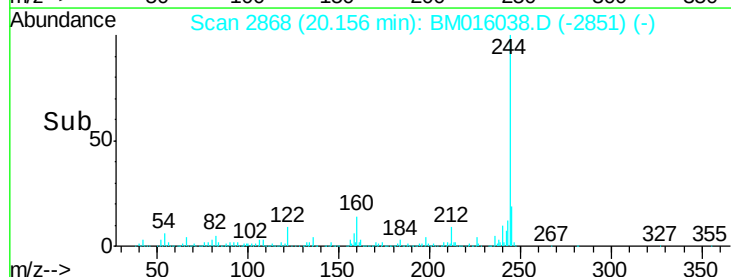
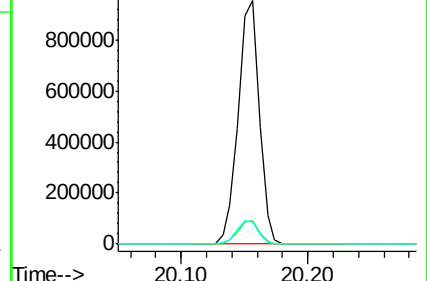
122 9.1 6.2 9.4

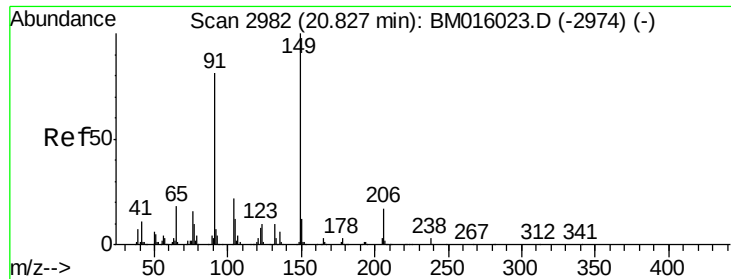


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

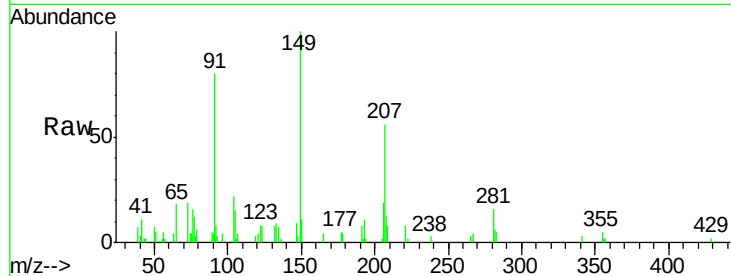




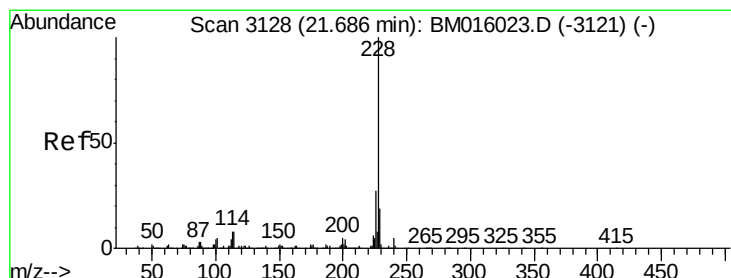
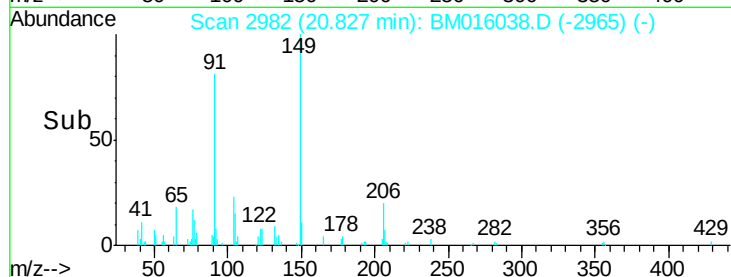
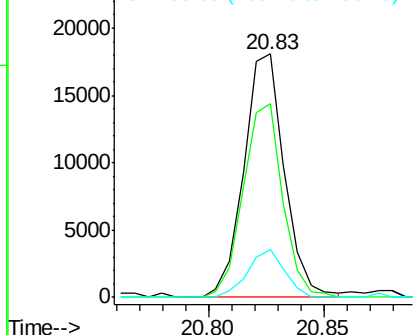
#79
Butylbenzylphthalate
Concen: 3.965 ng
RT: 20.83 min Scan# 2982
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

Tgt Ion:149 Resp: 22199
Ion Ratio Lower Upper
149 100
91 79.6 50.1 75.1#
206 19.5 16.2 24.2

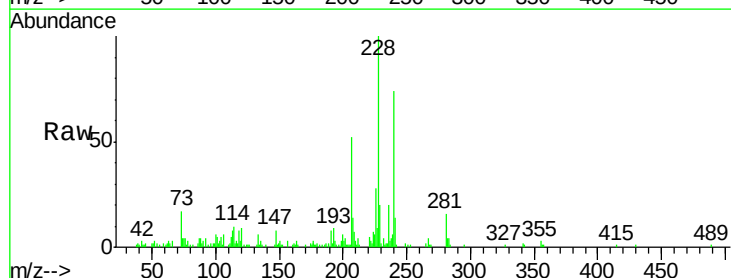


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM0
Ion 206.00 (205.70 to 206.70): E

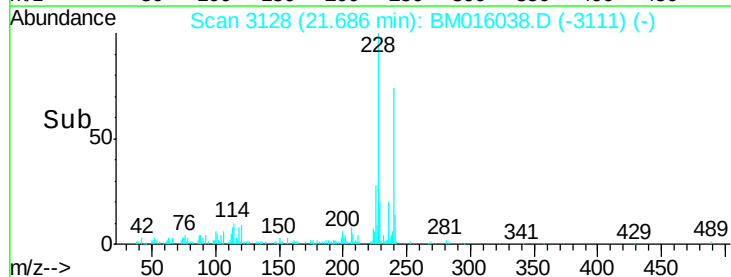
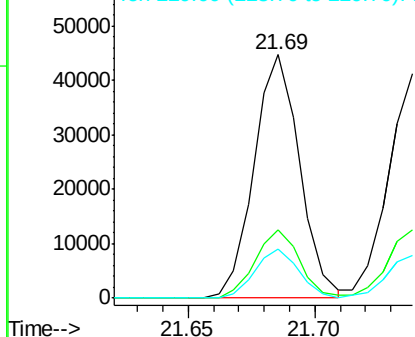


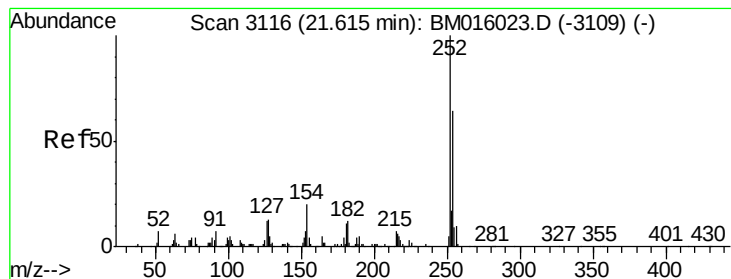
#80
Benzo(a)anthracene
Concen: 4.963 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016038.D
Acq: 23 Jul 2018 22:41

Tgt Ion:228 Resp: 56213
Ion Ratio Lower Upper
228 100
226 28.0 21.7 32.5
229 20.1 16.0 24.0



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

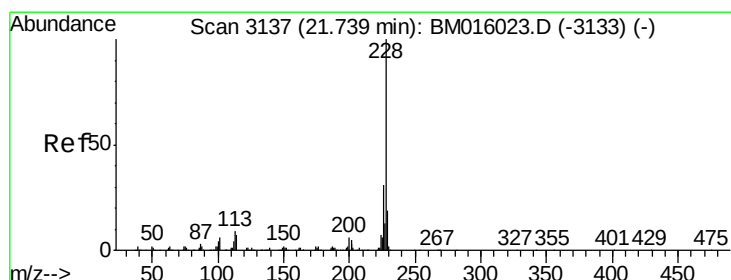
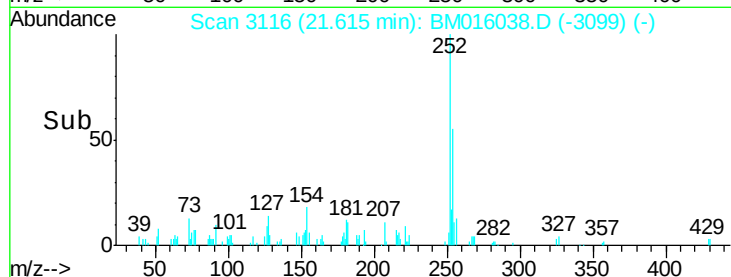
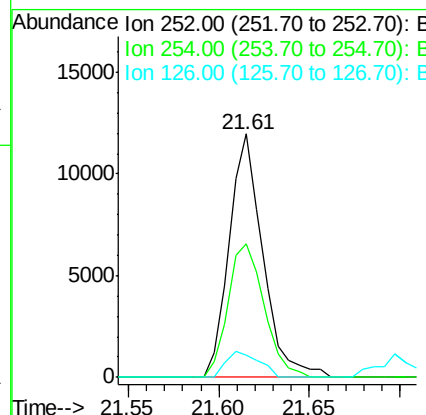
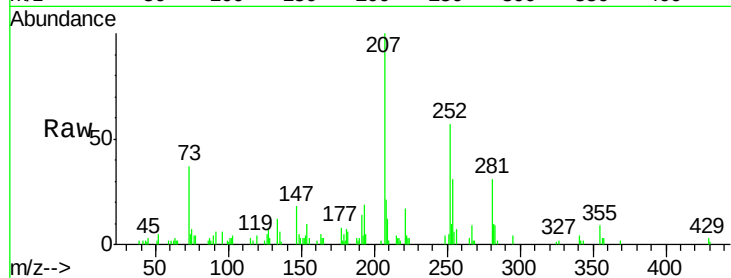




#81
 3,3'-Dichlorobenzidine
 Concen: 3.396 ng
 RT: 21.61 min Scan# 3116
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

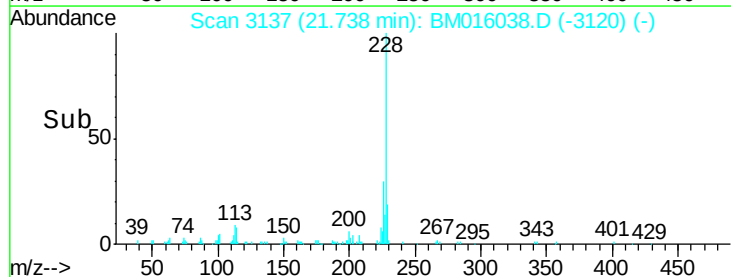
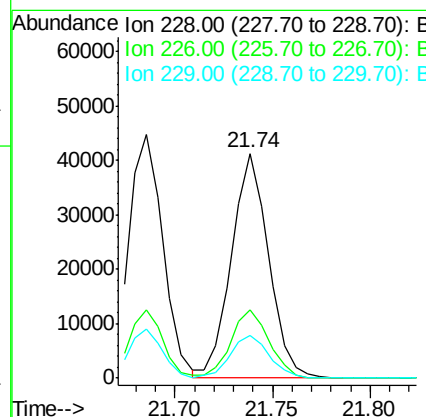
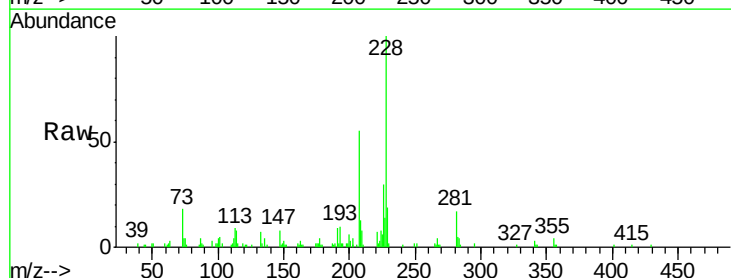
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

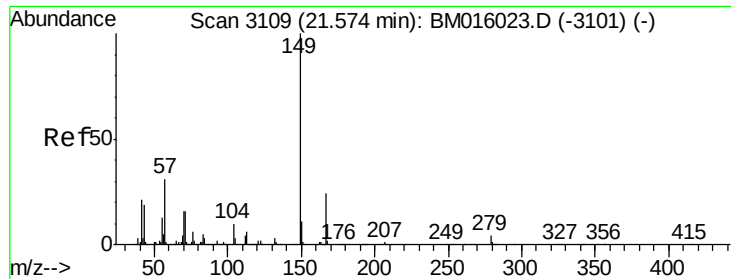
Tgt Ion: 252 Resp: 15493
 Ion Ratio Lower Upper
 252 100
 254 55.1 51.9 77.9
 126 9.2 9.8 14.8#



#82
 Chrysene
 Concen: 5.032 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion: 228 Resp: 54676
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.1 36.1
 229 18.8 15.5 23.3

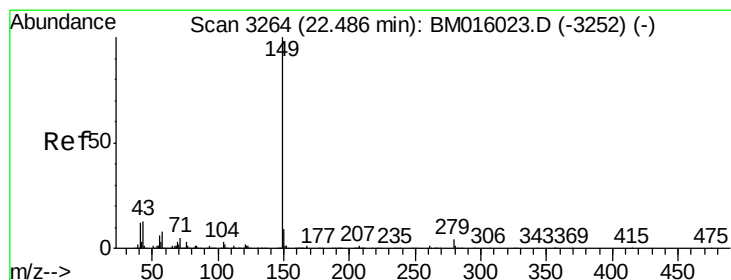
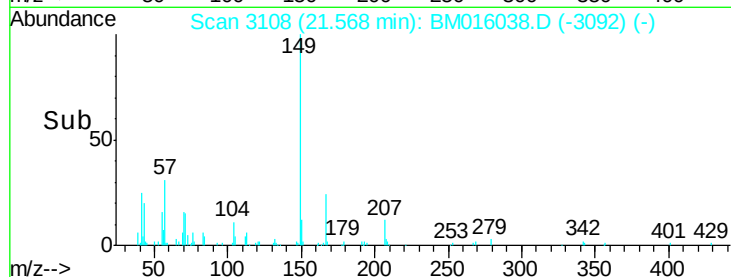
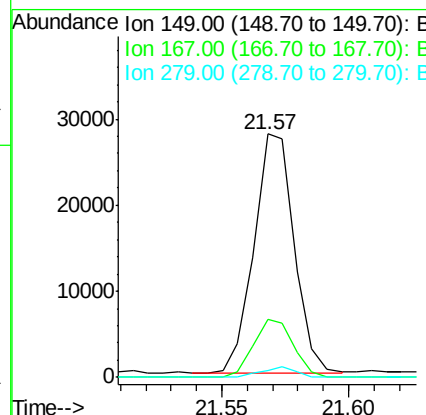
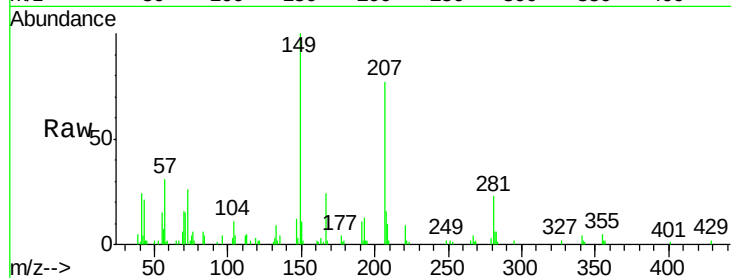




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.784 ng
 RT: 21.57 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

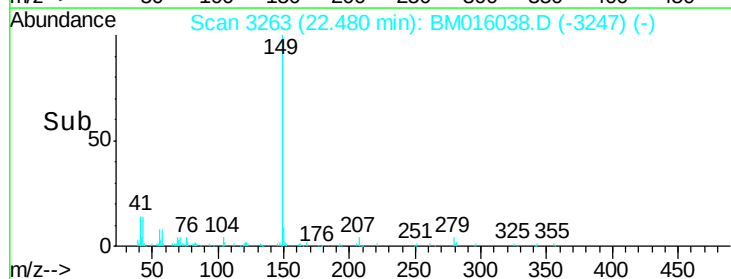
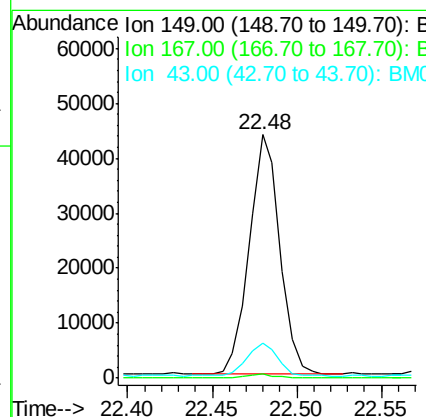
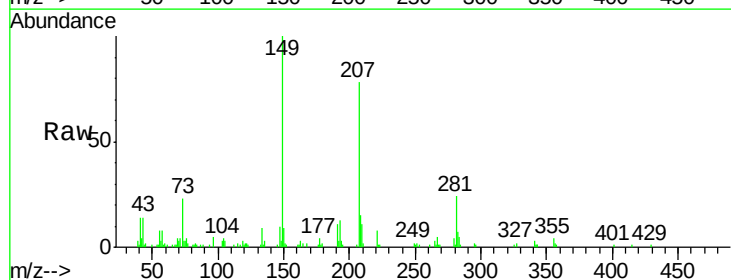
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

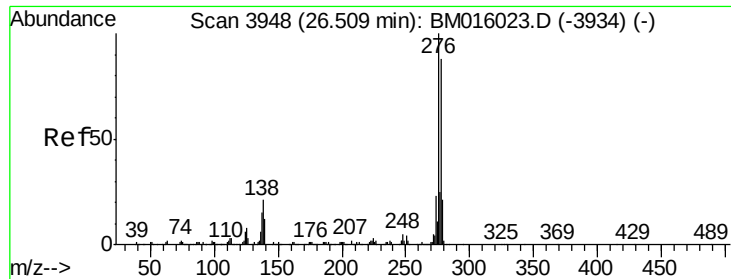
Tgt Ion:149 Resp: 30704
 Ion Ratio Lower Upper
 149 100
 167 23.8 22.4 33.6
 279 2.7 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 3.989 ng
 RT: 22.48 min Scan# 3263
 Delta R.T. -0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion:149 Resp: 54389
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 14.9 7.3 10.9#

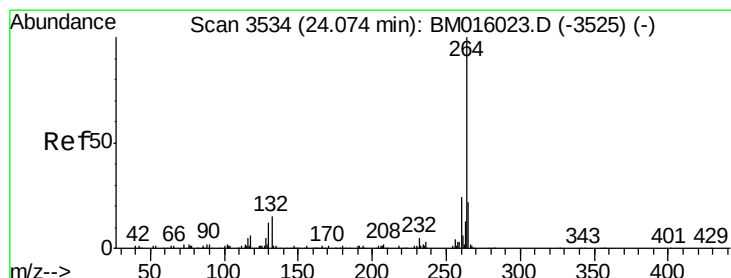
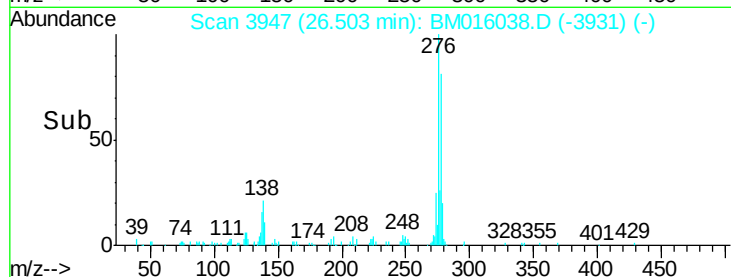
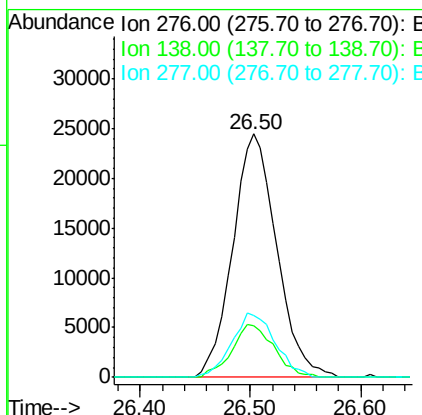
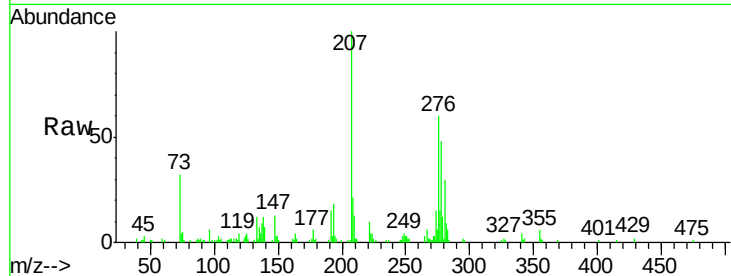




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.292 ng
 RT: 26.50 min Scan# 3947
 Delta R.T. -0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

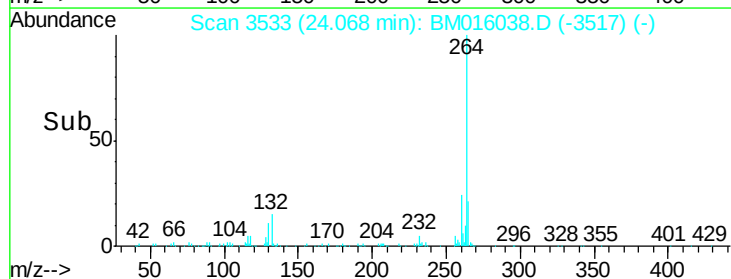
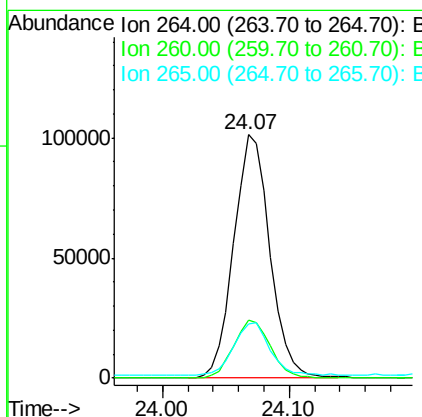
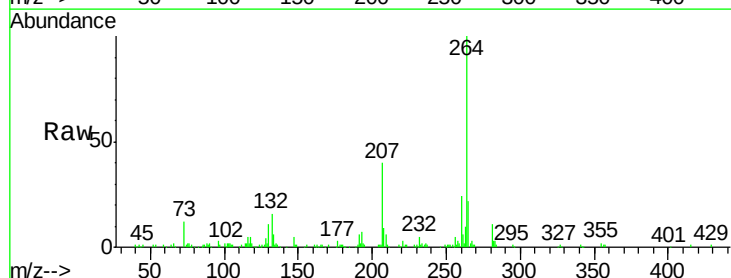
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

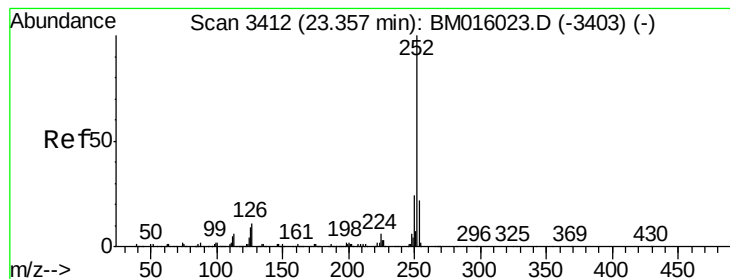
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	12.0	18.0#
277	26.0	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.07 min Scan# 3533
 Delta R.T. -0.01 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.5	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 4.765 ng

RT: 23.35 min Scan# 3411

Delta R.T. -0.01 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

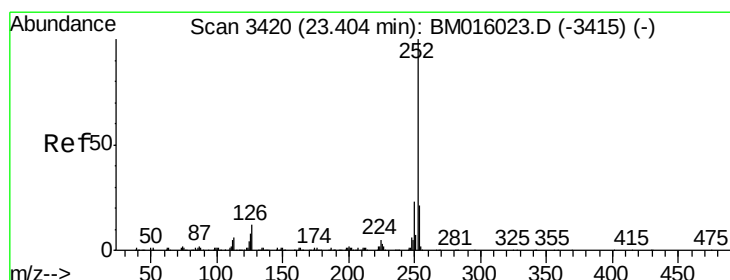
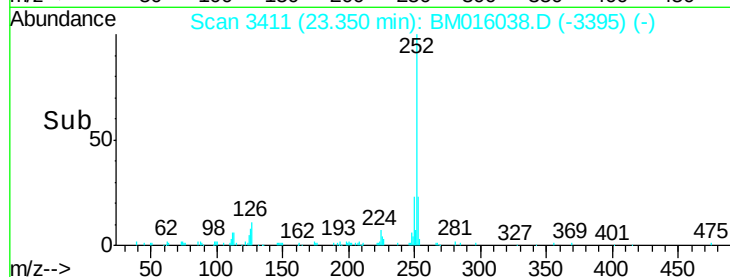
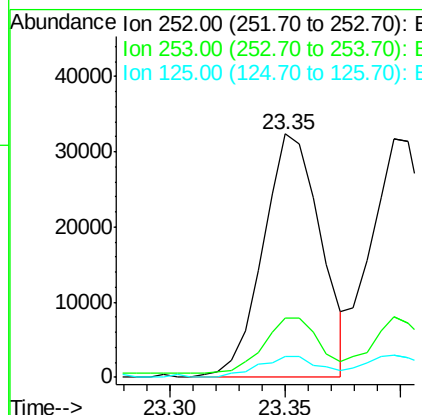
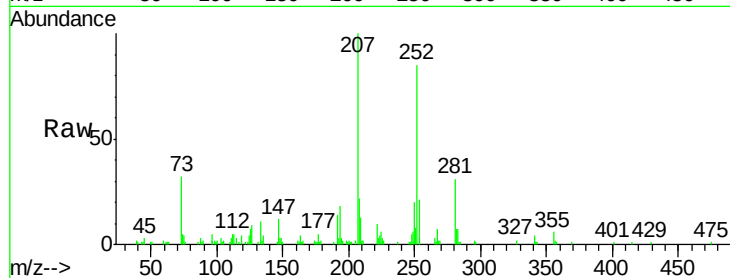
BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:252 Resp: 56180

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	8.8	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 4.984 ng

RT: 23.40 min Scan# 3419

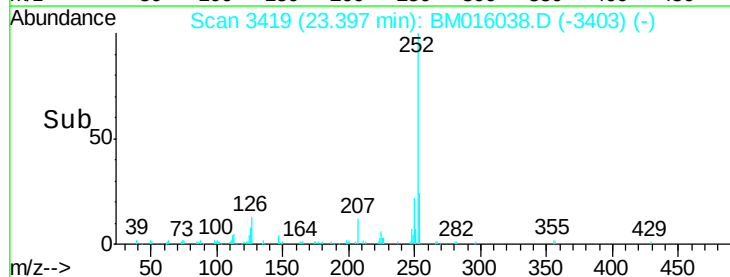
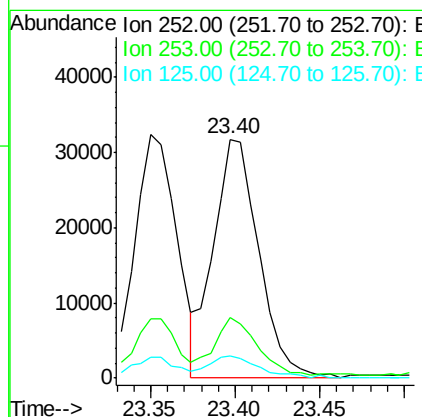
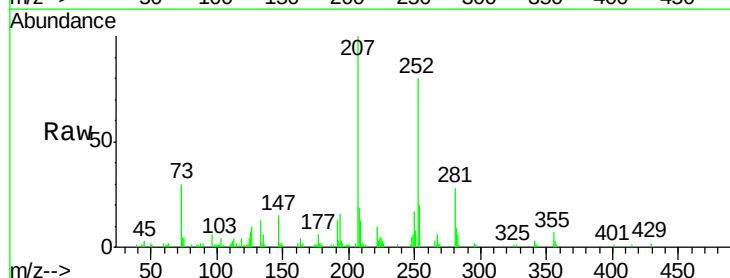
Delta R.T. -0.01 min

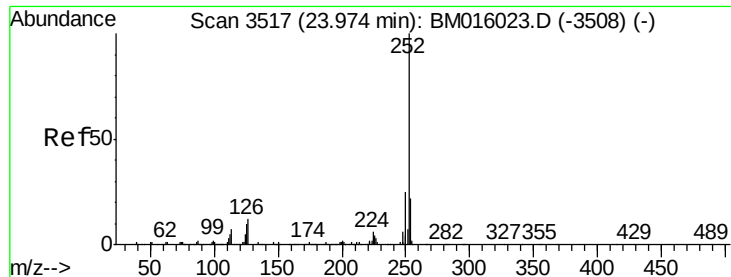
Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Tgt Ion:252 Resp: 59552

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.2	25.8
125	9.1	8.1	12.1





#89

Benzo(a)pyrene

Concen: 5.032 ng

RT: 23.97 min Scan# 3517

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

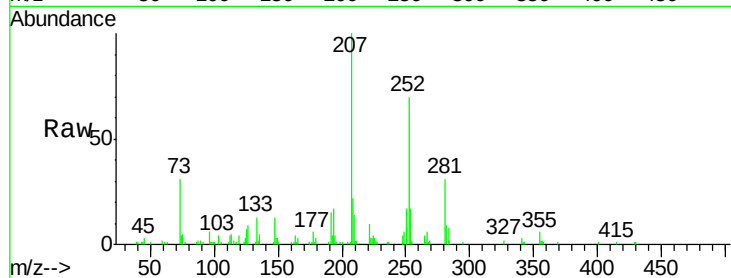
Tgt Ion: 252 Resp: 57032

Ion Ratio Lower Upper

252 100

253 24.3 17.6 26.4

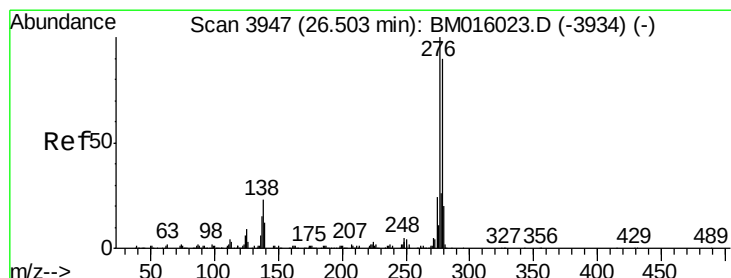
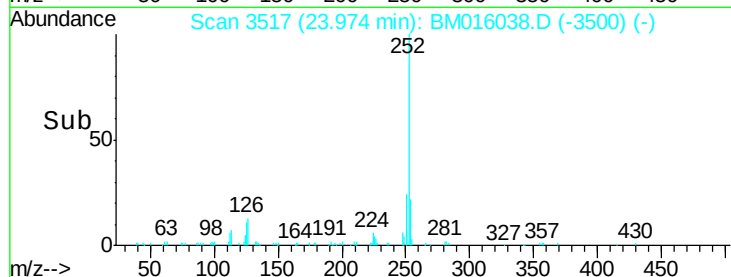
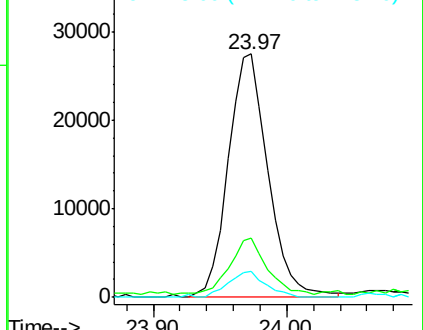
125 10.6 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 4.913 ng

RT: 26.50 min Scan# 3947

Delta R.T. -0.00 min

Lab File: BM016038.D

Acq: 23 Jul 2018 22:41

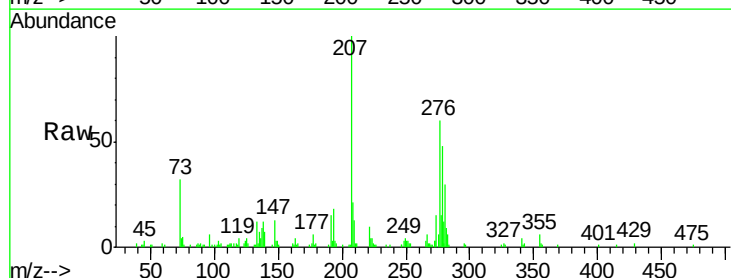
Tgt Ion: 278 Resp: 57687

Ion Ratio Lower Upper

278 100

139 14.0 13.4 20.0

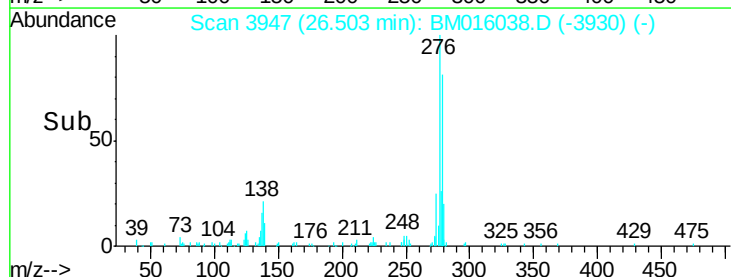
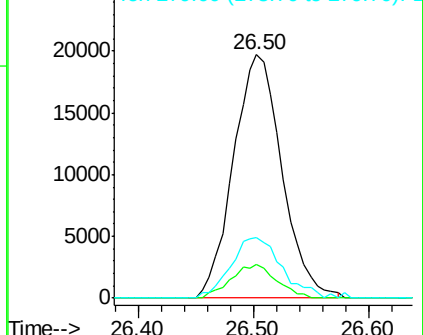
279 24.7 19.0 28.4

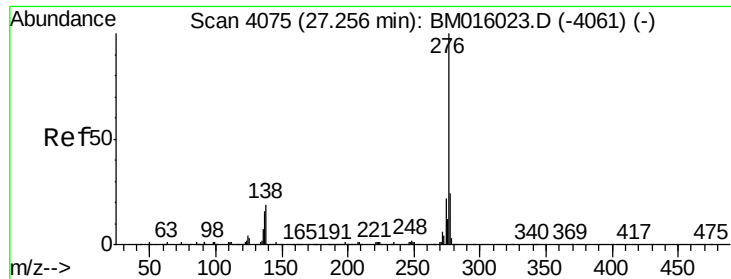


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

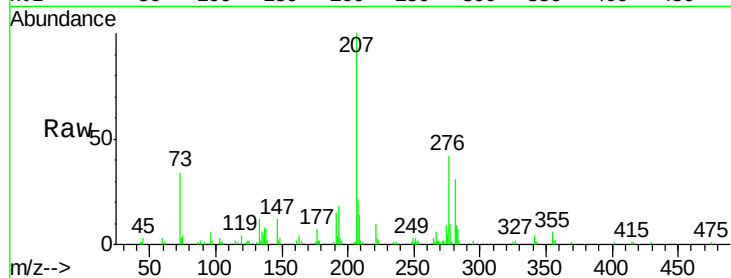




#91
 Benzo(g,h,i)perylene
 Concen: 5.030 ng
 RT: 27.26 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: BM016038.D
 Acq: 23 Jul 2018 22:41

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.5	27.7
138	22.9	19.0	28.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

