

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016039.D
 Acq On : 23 Jul 2018 23:18
 Operator : SJ/JU
 Sample : J3762-03
 Misc : MDL 8 PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Jul 24 06:07:50 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	38894	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	149397	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	81281	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	176338	20.00	ng	0.00
75) Chrysene-d12	21.70	240	195534	20.00	ng	0.00
86) Perylene-d12	24.07	264	206689	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.74	112	299709	128.00	ng	0.00
7) Phenol-d6	7.39	99	366952	120.01	ng	0.00
23) Nitrobenzene-d5	9.42	82	288604	89.85	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	136685	132.59	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	587901	88.01	ng	0.00
78) Terphenyl-d14	20.15	244	1137323	121.76	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.52	88	6996	6.377	ng	# 100
3) Pyridine	3.99	79	13715	5.190	ng	# 68
4) n-Nitrosodimethylamine	3.89	42	14315	6.945	ng	# 40
6) Aniline	7.56	93	17166	4.876	ng	# 87
8) 2-Chlorophenol	7.79	128	19559	7.029	ng	# 87
9) Benzaldehyde	7.38	77	18617	8.666	ng	# 76
10) Phenol	7.41	94	22145	7.243	ng	# 88
11) bis(2-Chloroethyl)ether	7.65	93	16441	6.807	ng	# 88
12) 1,3-Dichlorobenzene	8.12	146	22127	6.793	ng	# 92
13) 1,4-Dichlorobenzene	8.27	146	23343	7.066	ng	# 90
14) 1,2-Dichlorobenzene	8.58	146	21993	6.804	ng	# 89
15) Benzyl Alcohol	8.50	79	12389	5.088	ng	# 81
16) 2,2'-oxybis(1-Chloropropan	8.76	45	25618	6.930	ng	# 95
17) 2-Methylphenol	8.69	107	14683	7.026	ng	# 79
18) Hexachloroethane	9.31	117	9260	6.485	ng	# 99
19) n-Nitroso-di-n-propylamine	9.05	70	13726	6.142	ng	# 74
20) 3+4-Methylphenols	9.02	107	17860	5.940	ng	# 87
22) Acetophenone	9.08	105	27425	7.290	ng	# 83
24) Nitrobenzene	9.47	77	26515	8.201	ng	# 90
25) Isophorone	9.98	82	34475	7.847	ng	# 92
26) 2-Nitrophenol	10.18	139	7620	5.646	ng	# 53
27) 2,4-Dimethylphenol	10.23	122	16296	8.666	ng	# 88
28) bis(2-Chloroethoxy)methane	10.46	93	21185	7.419	ng	# 97
29) 2,4-Dichlorophenol	10.72	162	15634	6.997	ng	# 95
30) 1,2,4-Trichlorobenzene	10.92	180	19457	7.167	ng	# 95
31) Naphthalene	11.10	128	59911	7.924	ng	# 99
32) Benzoic acid	10.33	122	7376	5.146	ng	# 80
33) 4-Chloroaniline	11.24	127	14106	4.572	ng	# 79
34) Hexachlorobutadiene	11.36	225	13528	7.184	ng	# 97
35) Caprolactam	12.00	113	3165	5.114	ng	# 79
36) 4-Chloro-3-methylphenol	12.33	107	16883	6.870	ng	# 78
37) 2-Methylnaphthalene	12.70	142	42535	8.398	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	13.06	216	20559	7.430	ng	# 100
40) Hexachlorocyclopentadiene	13.02	237	5967	11.644	ng	# 89

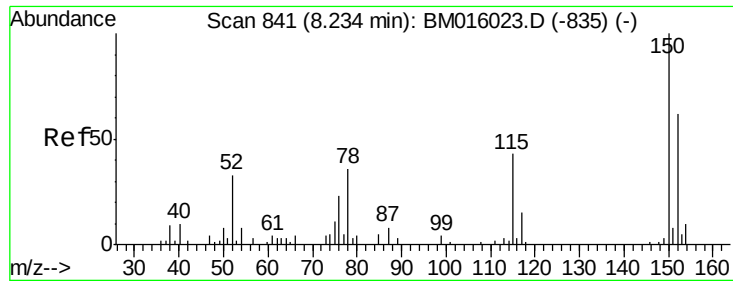
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016039.D
 Acq On : 23 Jul 2018 23:18
 Operator : SJ/JU
 Sample : J3762-03
 Misc : MDL 8 PPM
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Instrument :
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.30	196	11588	6.693	ng	98
43) 2,4,5-Trichlorophenol	13.39	196	12550	7.028	ng	# 85
45) 1,1'-Biphenyl	13.69	154	54926	7.488	ng	99
46) 2-Chloronaphthalene	13.75	162	42405	7.433	ng	# 89
47) 2-Nitroaniline	13.97	65	10488	5.560	ng	91
48) Acenaphthylene	14.59	152	65066	7.790	ng	97
49) Dimethylphthalate	14.30	163	54640	7.681	ng	99
50) 2,6-Dinitrotoluene	14.44	165	9951	6.953	ng	# 44
51) Acenaphthene	14.92	154	39754	7.739	ng	96
52) 3-Nitroaniline	14.79	138	7242	4.685	ng	# 64
53) 2,4-Dinitrophenol	15.02	184	2268	9.527	ng	# 72
54) Dibenzofuran	15.25	168	63912	7.550	ng	# 77
55) 4-Nitrophenol	15.11	139	4506	4.066	ng	# 86
56) 2,4-Dinitrotoluene	15.24	165	12086	5.906	ng	# 63
57) Fluorene	15.90	166	49971	7.944	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.48	232	11283	7.351	ng	# 100
59) Diethylphthalate	15.65	149	57799	7.539	ng	98
60) 4-Chlorophenyl-phenylether	15.88	204	24988	7.136	ng	# 80
61) 4-Nitroaniline	15.94	138	7334	4.945	ng	# 15
62) Azobenzene	16.17	77	59030	7.311	ng	77
64) 4,6-Dinitro-2-methylphenol	16.00	198	5121	4.785	ng	85
65) n-Nitrosodiphenylamine	16.10	169	41845	7.207	ng	95
66) 4-Bromophenyl-phenylether	16.77	248	15094	7.559	ng	# 73
67) Hexachlorobenzene	16.89	284	16131	7.336	ng	# 64
68) Atrazine	17.03	200	14597	7.014	ng	93
69) Pentachlorophenol	17.24	266	5943	4.365	ng	89
70) Phenanthrene	17.63	178	78506	7.952	ng	98
71) Anthracene	17.72	178	75486	7.867	ng	98
72) Carbazole	17.99	167	67706	6.811	ng	98
73) Di-n-butylphthalate	18.51	149	82589	6.668	ng	# 97
74) Fluoranthene	19.62	202	85959	7.806	ng	99
76) Benzidine	19.80	184	19804	3.624	ng	97
77) Pyrene	19.97	202	87035	7.428	ng	96
79) Butylbenzylphthalate	20.83	149	40141	6.743	ng	89
80) Benzo(a)anthracene	21.69	228	94199	7.822	ng	97
81) 3,3'-Dichlorobenzidine	21.62	252	23632	4.872	ng	99
82) Chrysene	21.74	228	90772	7.857	ng	98
83) Bis(2-ethylhexyl)phthalate	21.57	149	55147	6.392	ng	95
84) Di-n-octyl phthalate	22.48	149	96224	6.636	ng	# 90
85) Indeno(1,2,3-cd)pyrene	26.50	276	112280	8.190	ng	# 95
87) Benzo(b)fluoranthene	23.35	252	96740	7.949	ng	# 95
88) Benzo(k)fluoranthene	23.40	252	97038	7.868	ng	97
89) Benzo(a)pyrene	23.97	252	92472	7.904	ng	99
90) Dibenzo(a,h)anthracene	26.50	278	96173	7.934	ng	95
91) Benzo(g,h,i)perylene	27.26	276	93069	8.118	ng	# 93

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

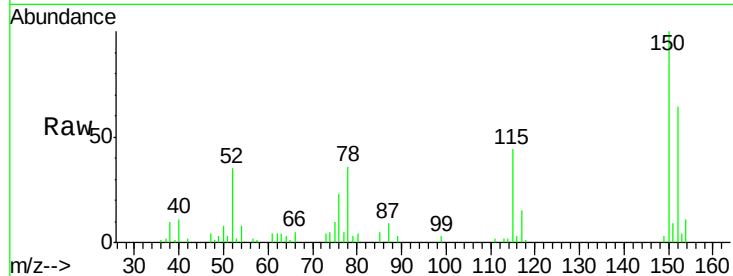


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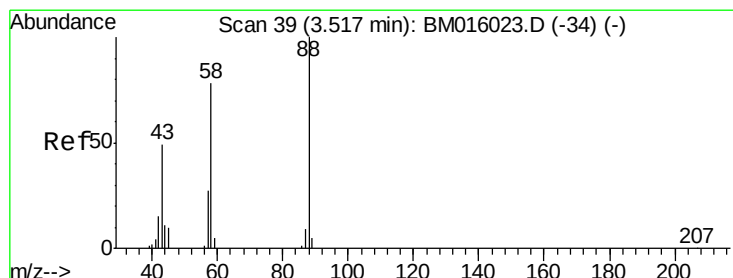
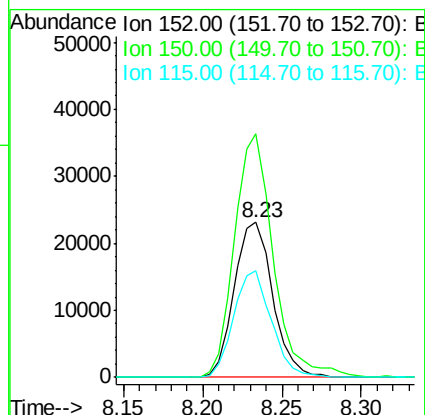
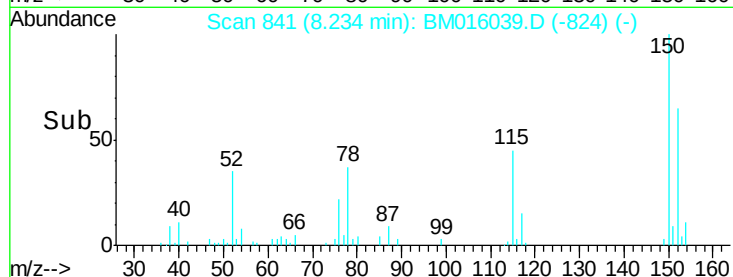
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 841
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

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

Tgt Ion:152 Resp: 38894
Ion Ratio Lower Upper
152 100
150 157.3 119.5 179.3
115 68.9 43.0 64.4#



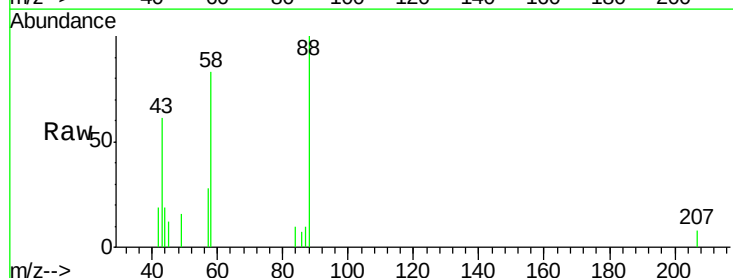
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



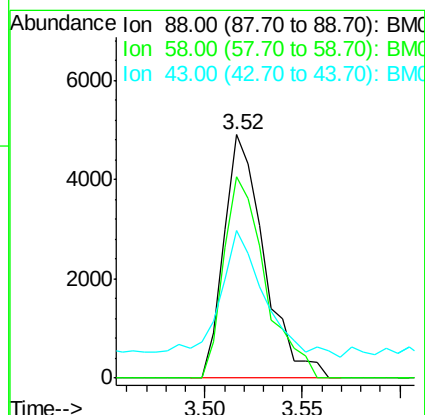
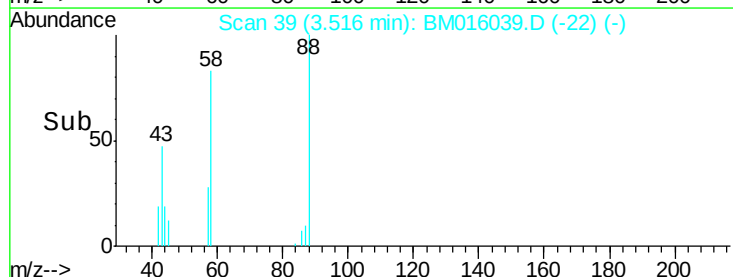
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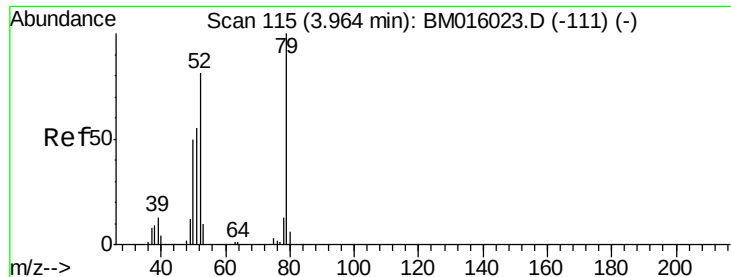
1,4-Dioxane
Concen: 6.377 ng
RT: 3.52 min Scan# 39
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion: 88 Resp: 6996
Ion Ratio Lower Upper
88 100
58 85.4 0.0 0.0#
43 58.0 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

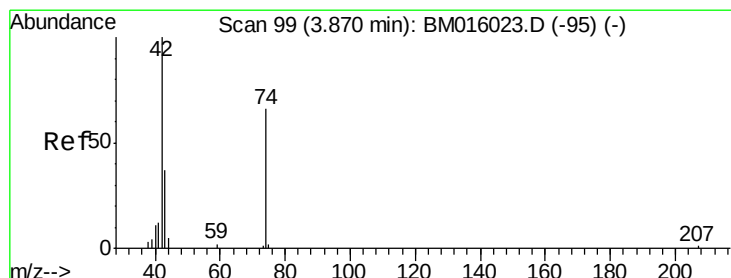
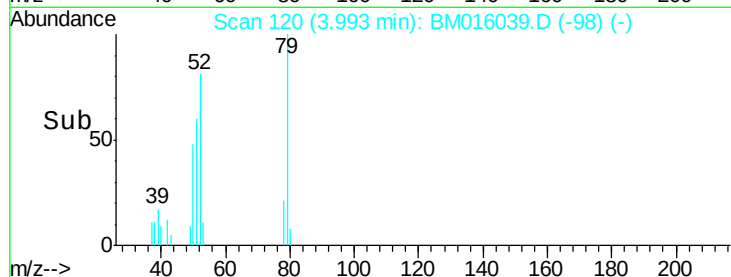
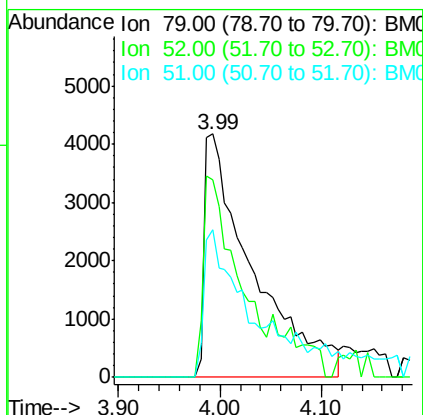
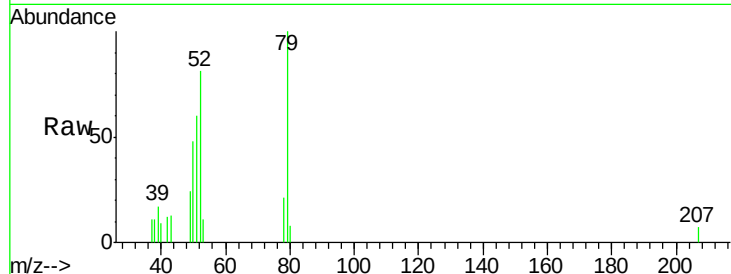




#3
 Pyridine
 Concen: 5.190 ng
 RT: 3.99 min Scan# 120
 Delta R.T. 0.03 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

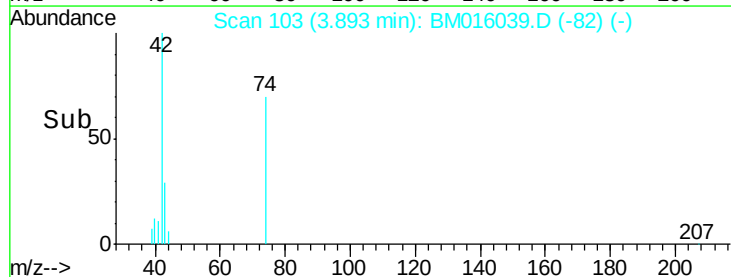
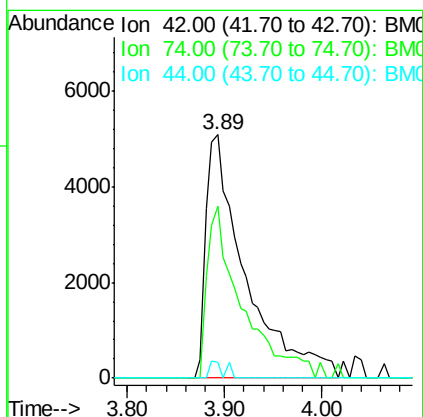
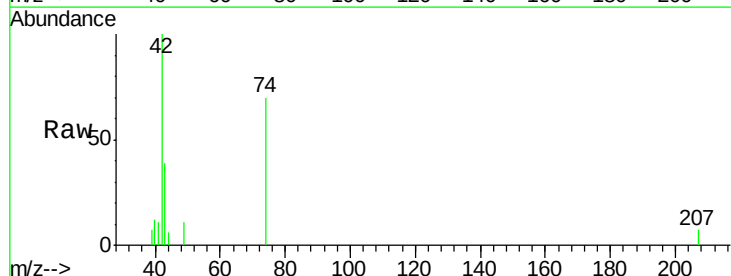
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

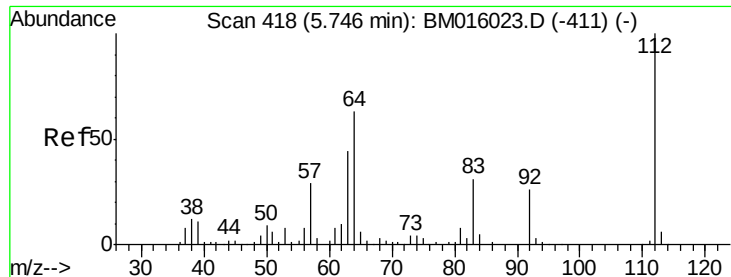
Tgt Ion: 79 Resp: 13715
 Ion Ratio Lower Upper
 79 100
 52 81.4 51.1 76.7#
 51 60.4 26.1 39.1#



#4
 n-Nitrosodimethylamine
 Concen: 6.945 ng
 RT: 3.89 min Scan# 103
 Delta R.T. 0.02 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion: 42 Resp: 14315
 Ion Ratio Lower Upper
 42 100
 74 70.4 119.3 178.9#
 44 6.5 5.4 8.2





#5

2-Fluorophenol

Concen: 6.945 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

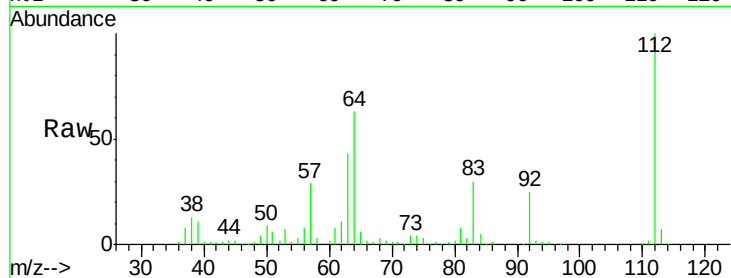
Tgt Ion: 112 Resp: 299709

Ion Ratio Lower Upper

112 100

64 63.4 38.6 57.8#

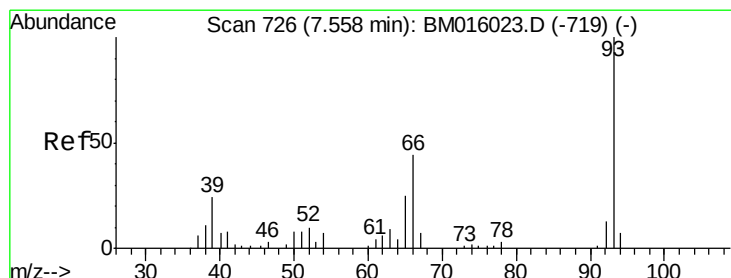
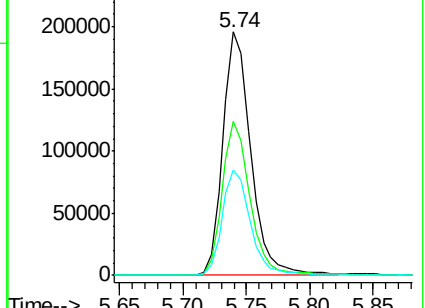
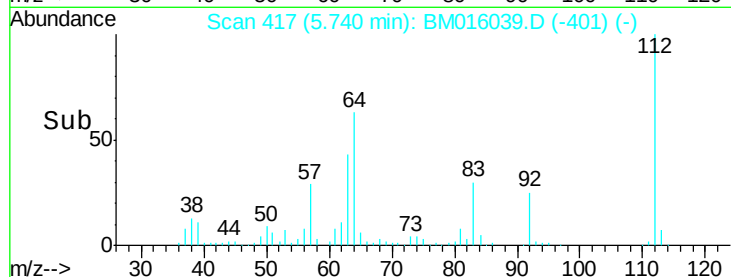
63 43.4 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 4.876 ng

RT: 7.56 min Scan# 727

Delta R.T. 0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

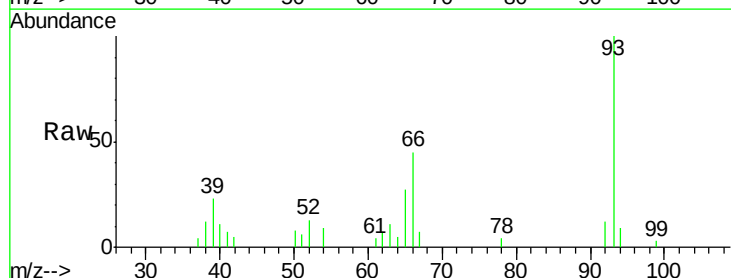
Tgt Ion: 93 Resp: 17166

Ion Ratio Lower Upper

93 100

66 45.1 30.8 46.2

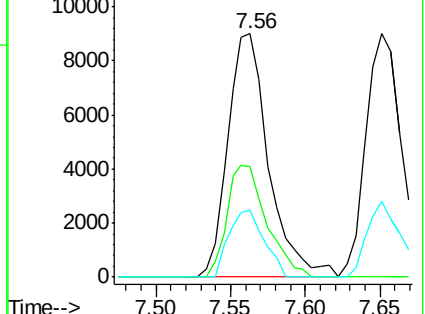
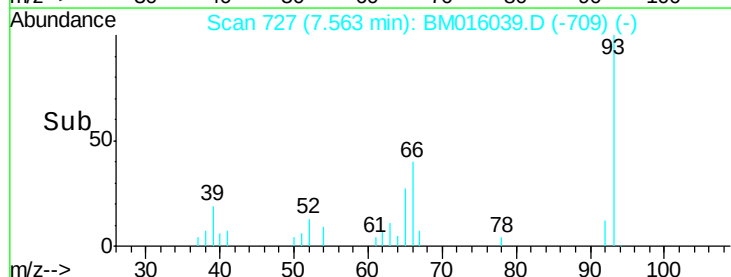
65 27.4 16.0 24.0#

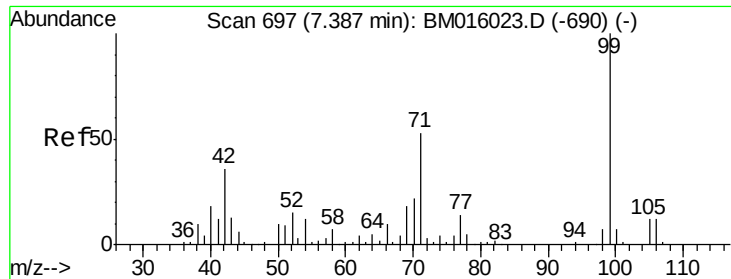


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 4.876 ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

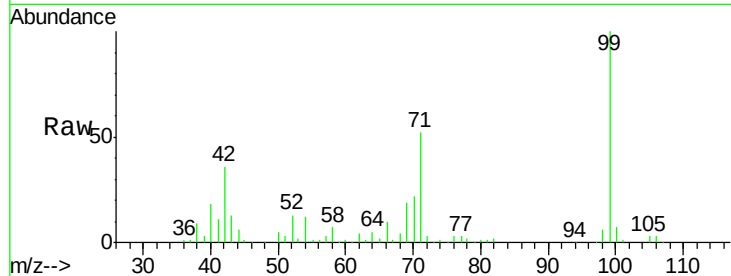
Tgt Ion: 99 Resp: 366952

Ion Ratio Lower Upper

99 100

42 36.1 11.0 16.4#

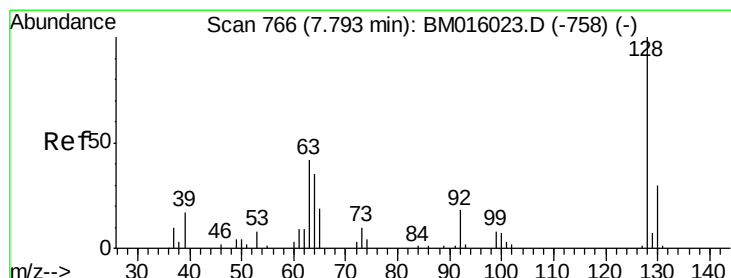
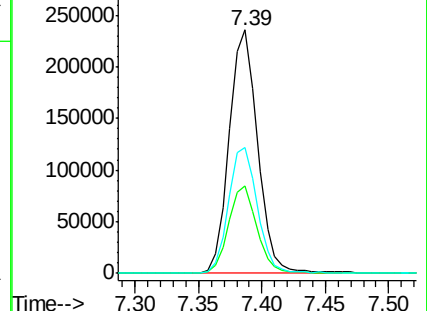
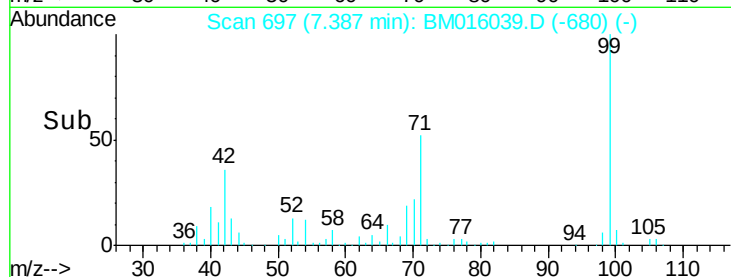
71 51.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#8

2-Chlorophenol

Concen: 7.029 ng

RT: 7.79 min Scan# 765

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

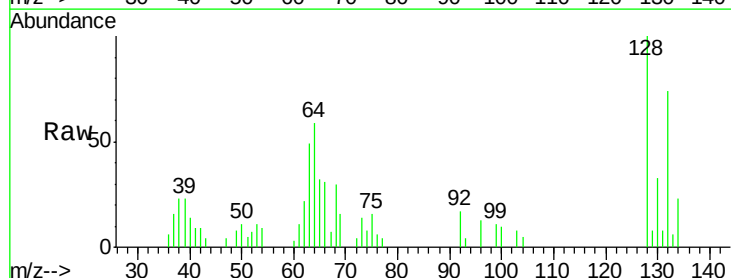
Tgt Ion: 128 Resp: 19559

Ion Ratio Lower Upper

128 100

130 32.6 12.0 52.0

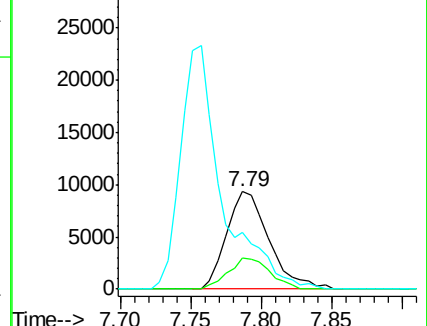
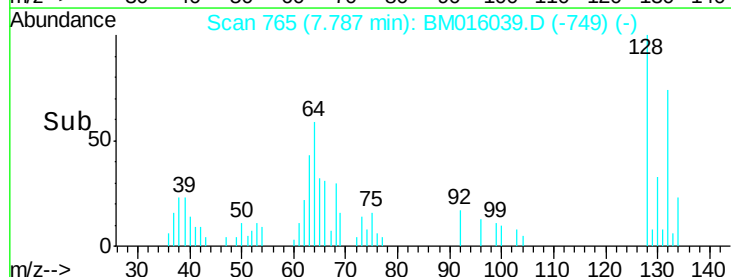
64 59.0 24.9 64.9

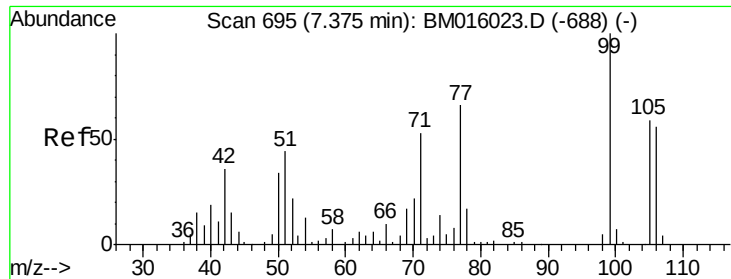


Abundance Ion 128.00 (127.70 to 128.70): BM016023.D (-758) (-)

Ion 130.00 (129.70 to 130.70): BM016023.D (-758) (-)

Ion 64.00 (63.70 to 64.70): BM016023.D (-758) (-)

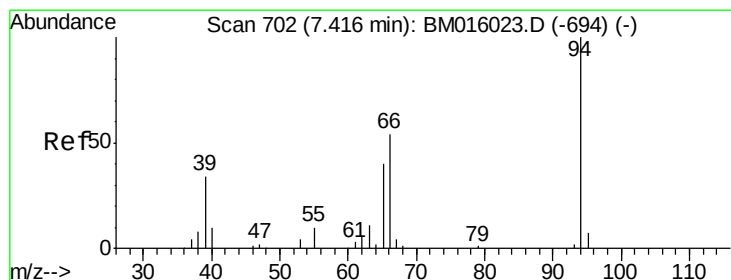
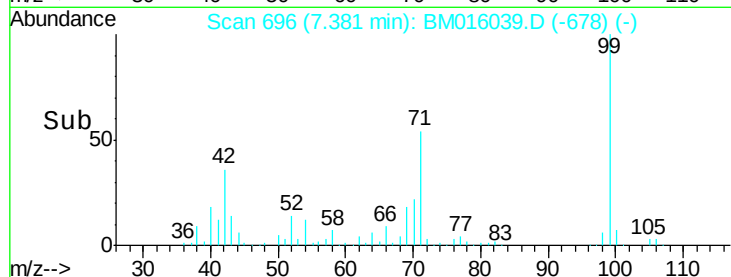
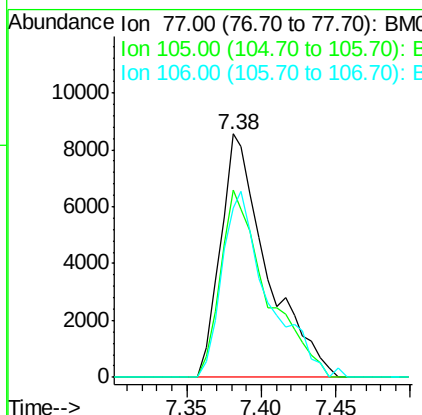
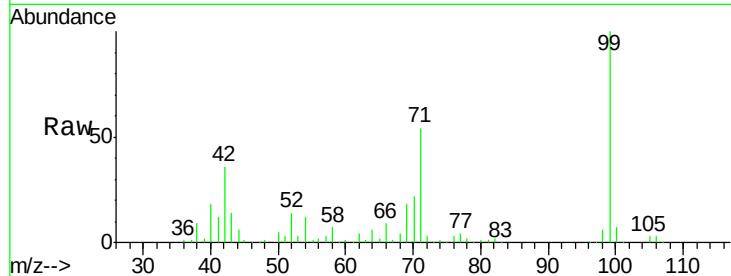




#9
Benzaldehyde
Concen: 8.666 ng
RT: 7.38 min Scan# 696
Delta R.T. 0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

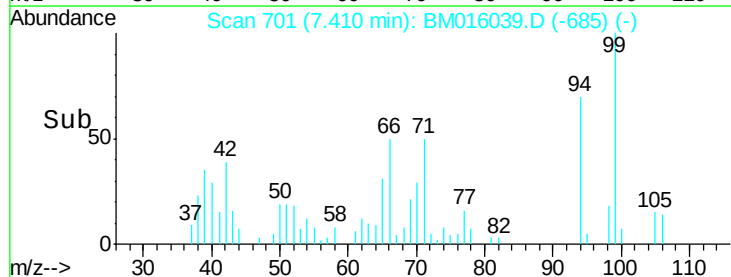
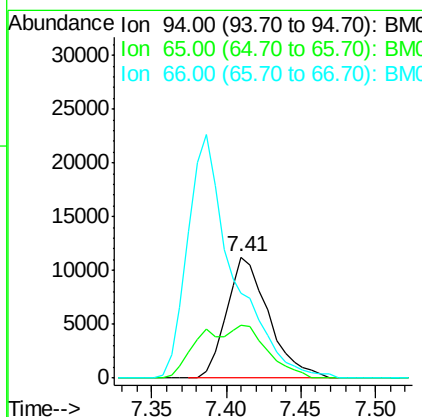
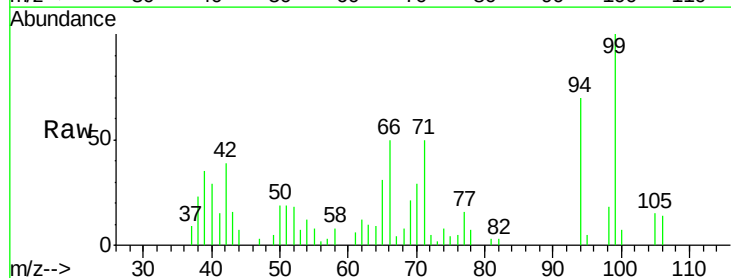
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

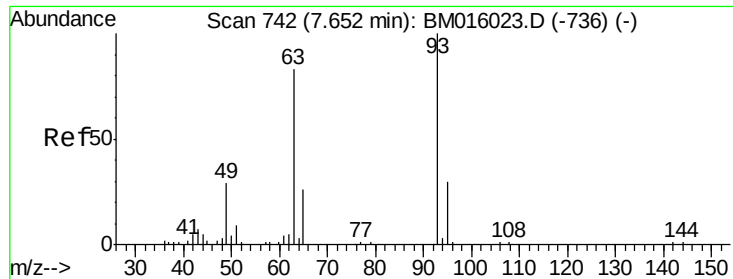
Tgt Ion: 77 Resp: 18617
Ion Ratio Lower Upper
77 100
105 76.8 78.8 118.8#
106 69.4 73.7 113.7#



#10
Phenol
Concen: 7.243 ng
RT: 7.41 min Scan# 701
Delta R.T. -0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion: 94 Resp: 22145
Ion Ratio Lower Upper
94 100
65 44.0 18.8 58.8
66 70.6 39.9 79.9

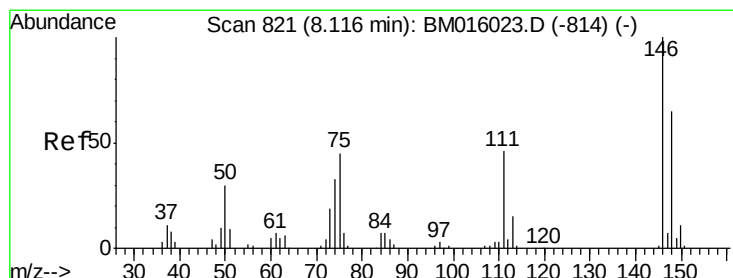
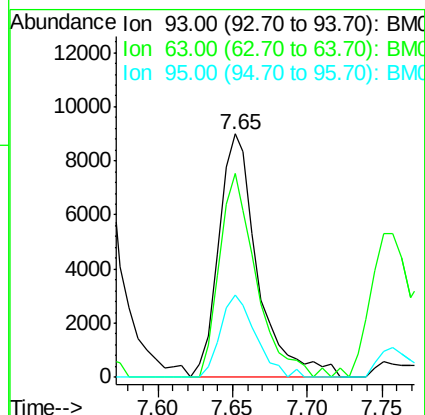
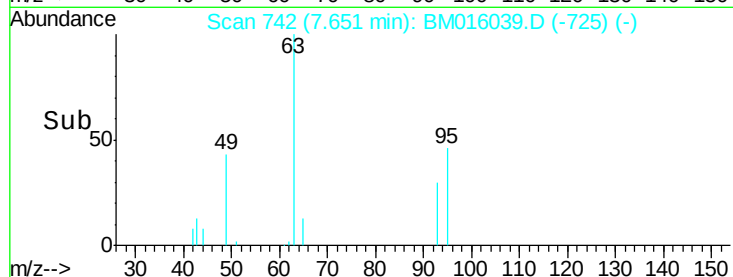
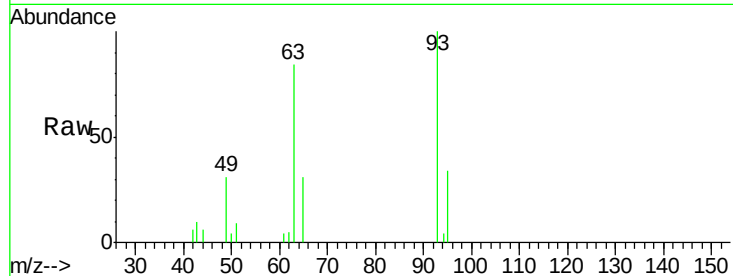




#11
bis(2-Chloroethyl)ether
Concen: 6.807 ng
RT: 7.65 min Scan# 742
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

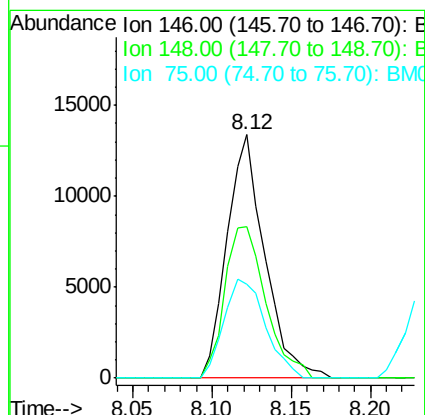
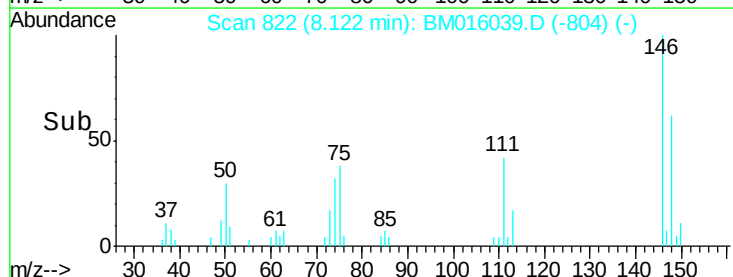
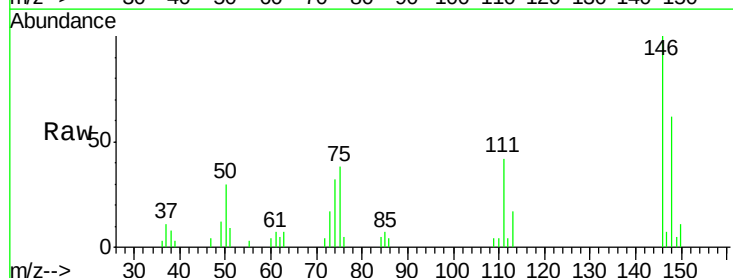
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

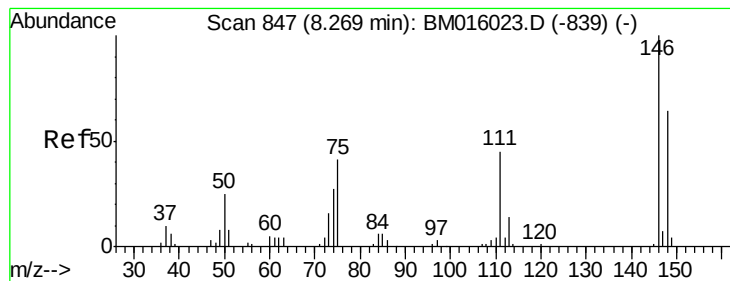
Tgt Ion: 93 Resp: 16441
Ion Ratio Lower Upper
93 100
63 83.7 49.5 89.5
95 33.7 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 6.793 ng
RT: 8.12 min Scan# 822
Delta R.T. 0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion: 146 Resp: 22127
Ion Ratio Lower Upper
146 100
148 62.1 50.9 76.3
75 38.3 21.4 32.2#





#13

1,4-Dichlorobenzene

Concen: 7.066 ng

RT: 8.27 min Scan# 847

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

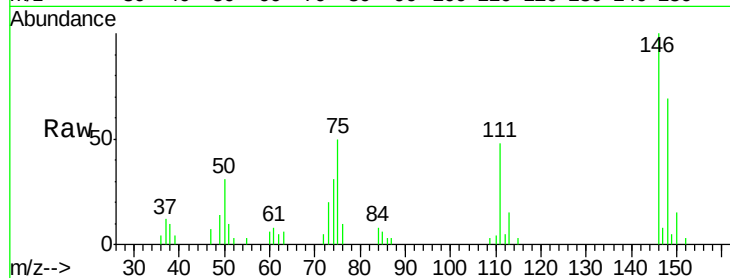
Tgt Ion:146 Resp: 23343

Ion Ratio Lower Upper

146 100

148 68.9 51.9 77.9

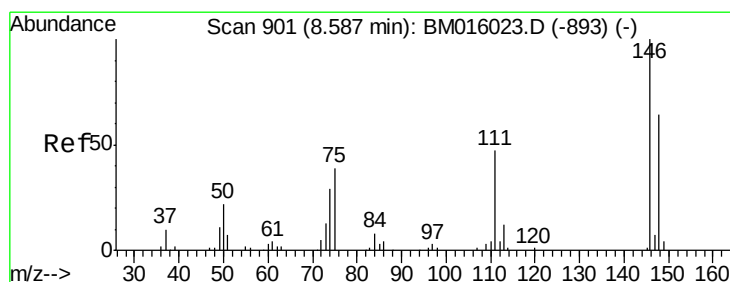
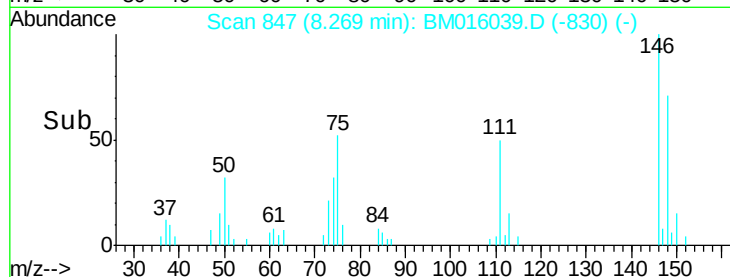
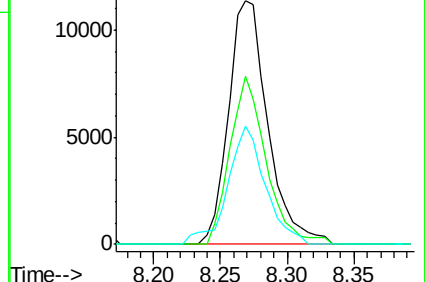
111 48.4 29.2 43.8#



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 6.804 ng

RT: 8.58 min Scan# 900

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

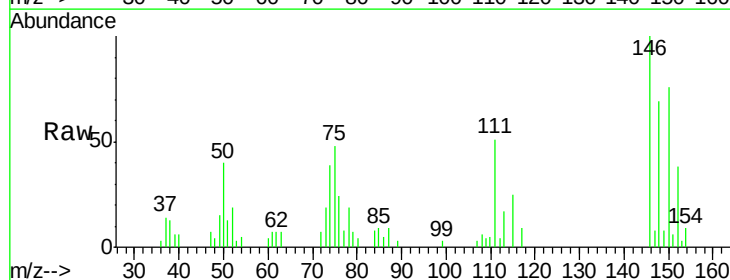
Tgt Ion:146 Resp: 21993

Ion Ratio Lower Upper

146 100

148 68.6 52.3 78.5

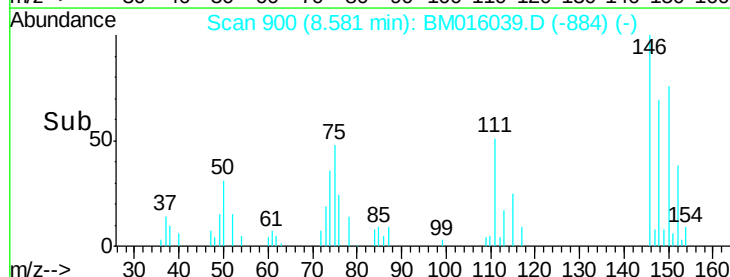
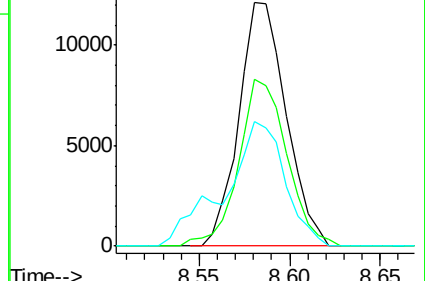
111 51.3 30.6 45.8#

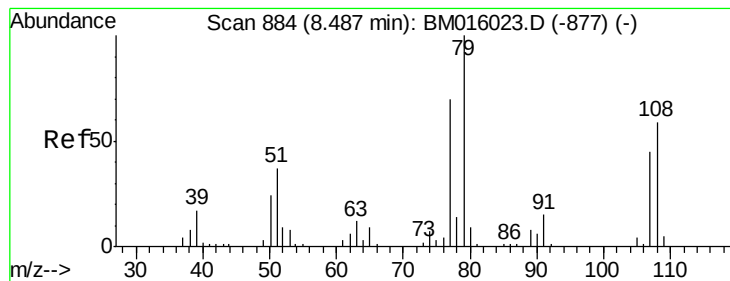


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 5.088 ng

RT: 8.50 min Scan# 886

Delta R.T. 0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

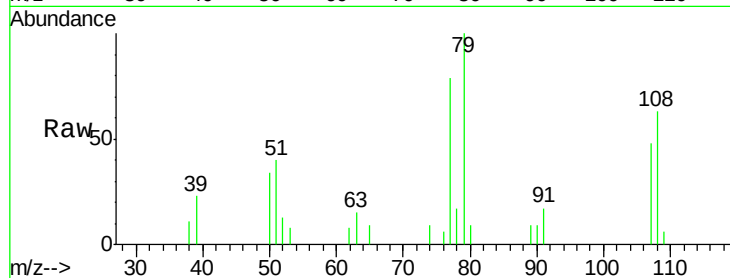
Tgt Ion: 79 Resp: 12389

Ion Ratio Lower Upper

79 100

108 62.9 65.0 97.4#

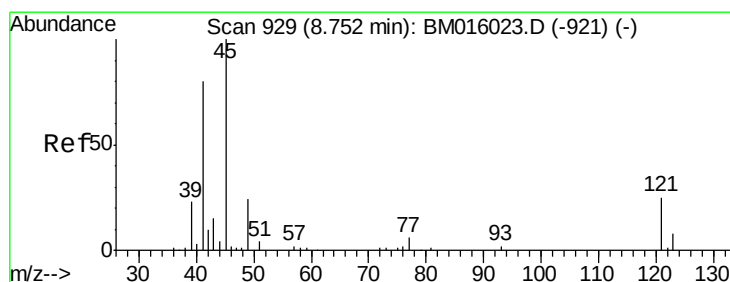
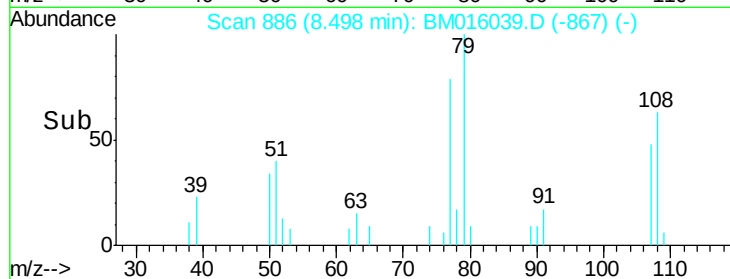
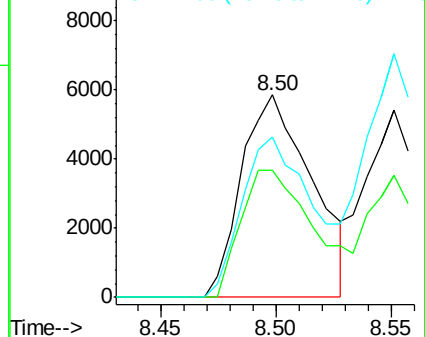
77 79.1 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BM016039.D (-877) (-)

Ion 108.00 (107.70 to 108.70): BM016039.D (-877) (-)

Ion 77.00 (76.70 to 77.70): BM016039.D (-877) (-)



#16

2,2'-oxybis(1-chloropropane)

Concen: 6.930 ng

RT: 8.76 min Scan# 930

Delta R.T. 0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

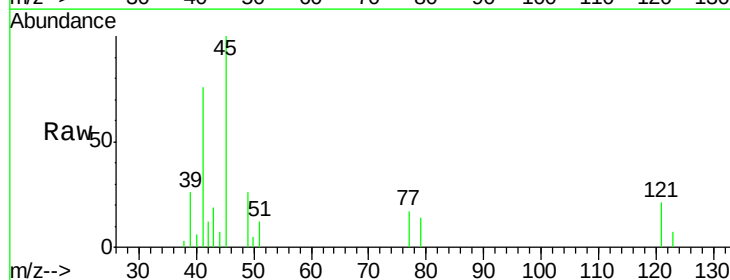
Tgt Ion: 45 Resp: 25618

Ion Ratio Lower Upper

45 100

77 16.8 0.0 35.2

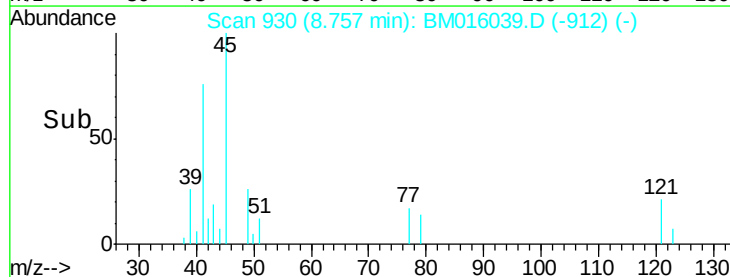
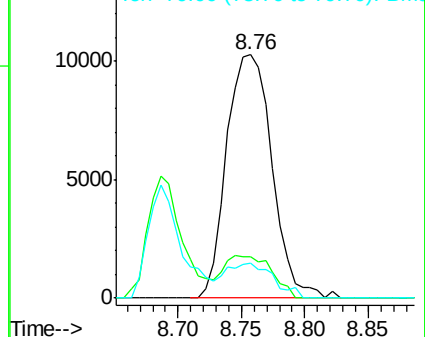
79 14.2 0.0 32.0

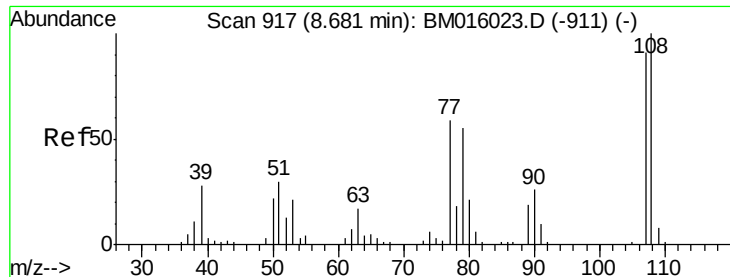


Abundance Ion 45.00 (44.70 to 45.70): BM016039.D (-912) (-)

Ion 77.00 (76.70 to 77.70): BM016039.D (-912) (-)

Ion 79.00 (78.70 to 79.70): BM016039.D (-912) (-)

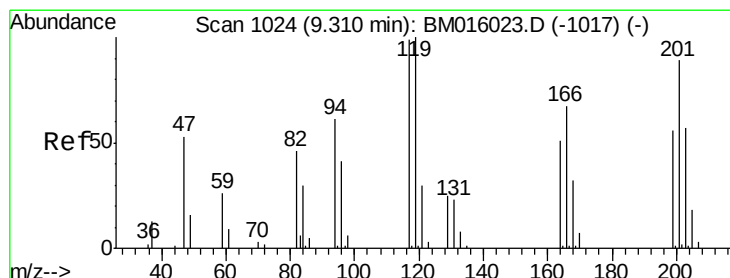
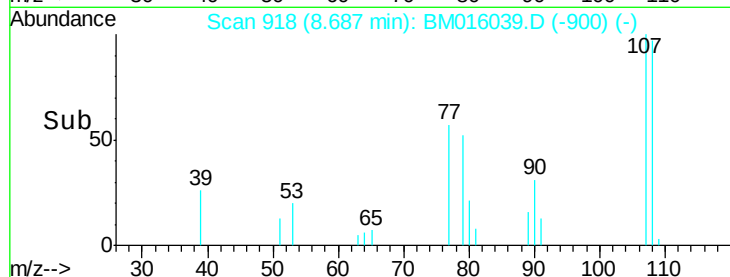
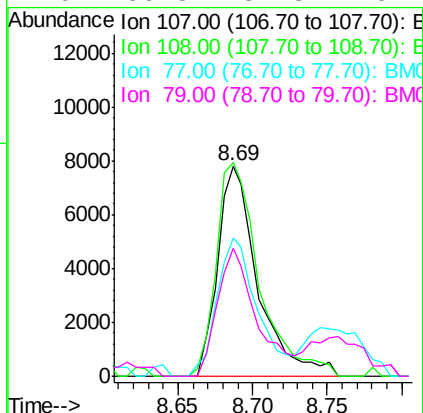
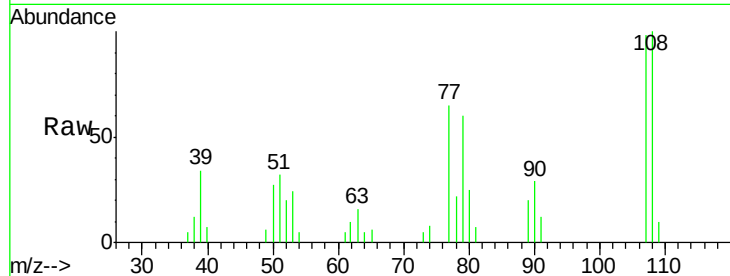




#17
2-Methylphenol
Concen: 7.026 ng
RT: 8.69 min Scan# 918
Delta R.T. 0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

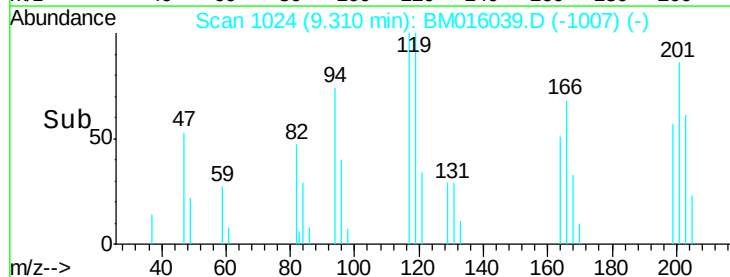
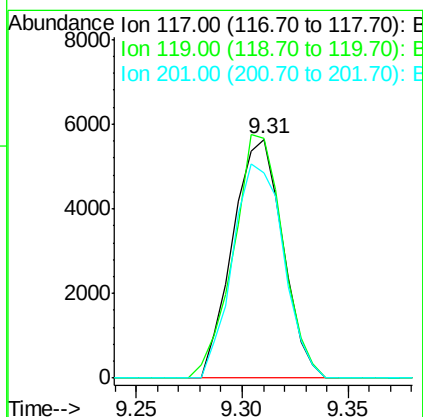
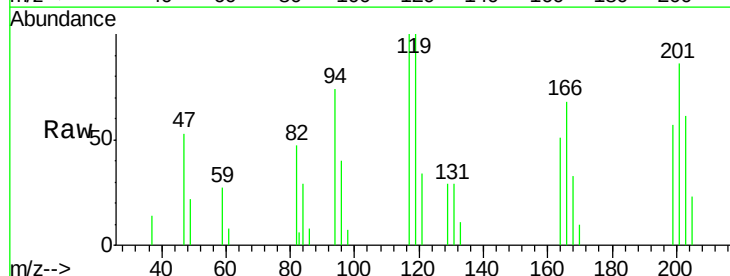
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

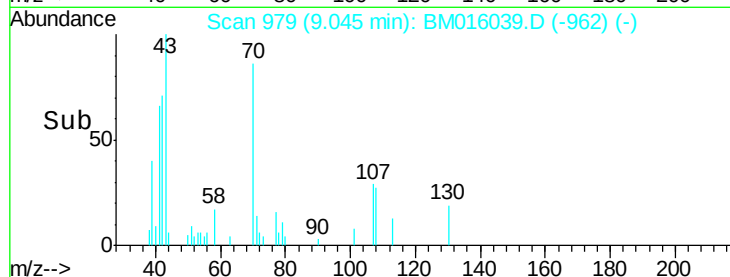
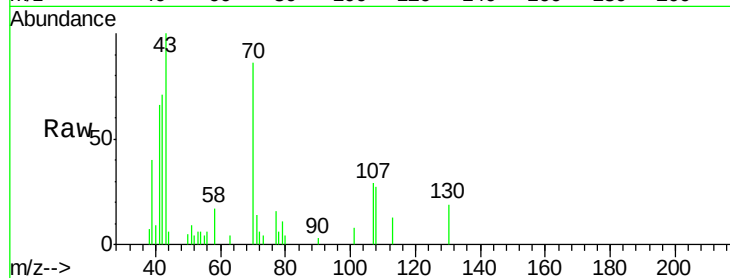
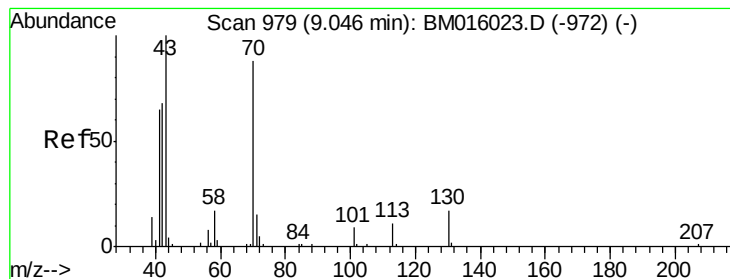
Tgt Ion:107 Resp: 14683
Ion Ratio Lower Upper
107 100
108 101.7 89.8 134.8
77 65.9 32.6 48.8#
79 60.8 32.8 49.2#



#18
Hexachloroethane
Concen: 6.485 ng
RT: 9.31 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:117 Resp: 9260
Ion Ratio Lower Upper
117 100
119 100.4 79.2 118.8
201 86.0 69.8 104.6





#19

n-Nitroso-di-n-propylamine

Concen: 6.142 ng

RT: 9.05 min Scan# 979

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 70 Resp: 13726

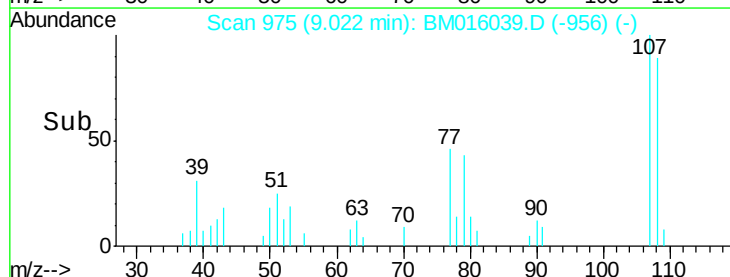
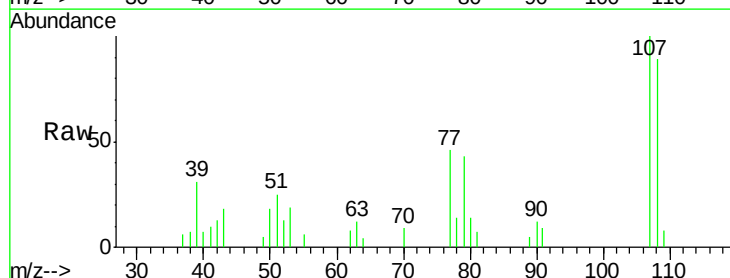
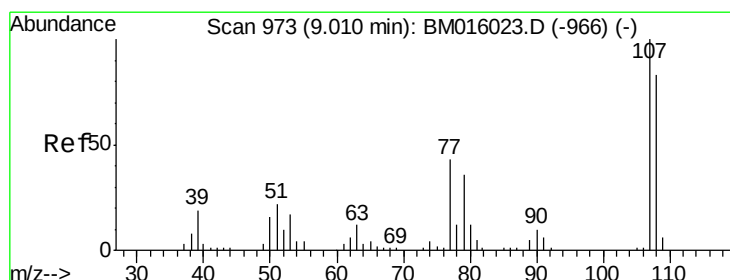
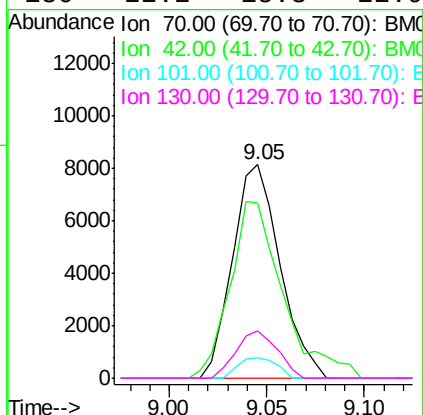
Ion Ratio Lower Upper

70 100

42 82.0 44.5 66.7#

101 9.7 7.4 11.2

130 22.2 15.3 22.9



#20

3+4-Methylphenols

Concen: 5.940 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Tgt Ion: 107 Resp: 17860

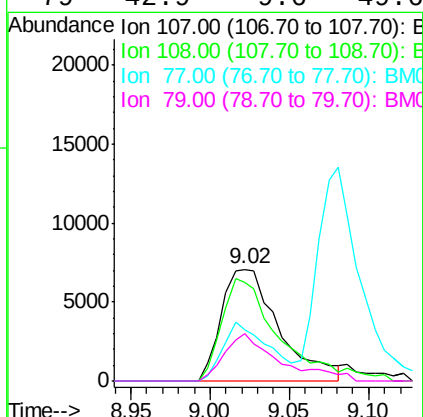
Ion Ratio Lower Upper

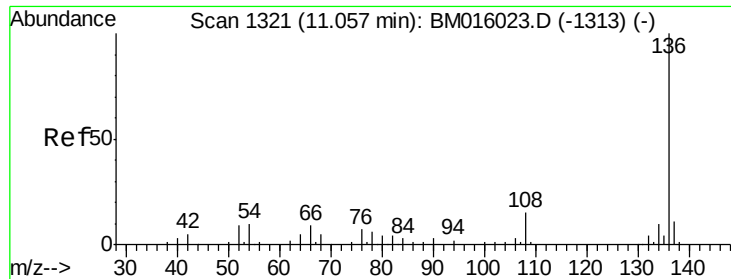
107 100

108 88.7 73.2 113.2

77 45.5 10.7 50.7

79 42.9 9.6 49.6

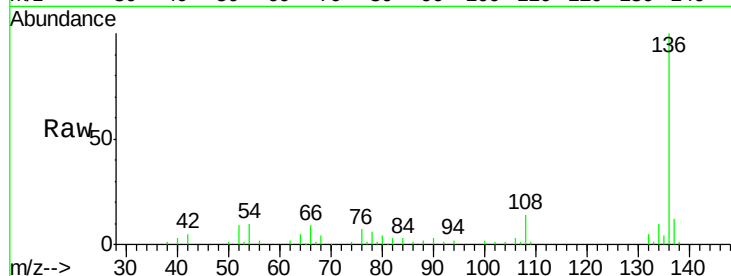




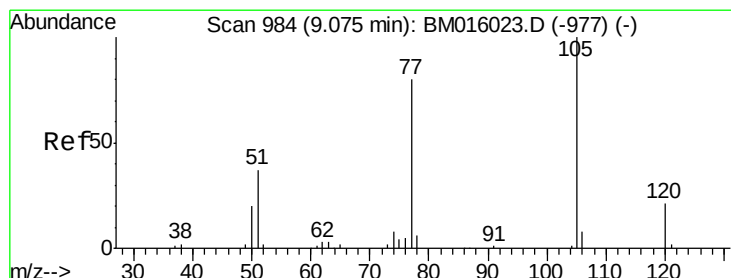
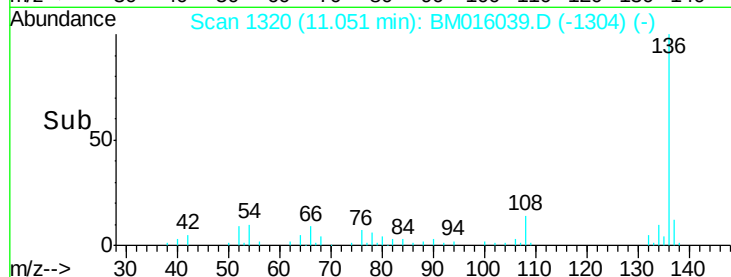
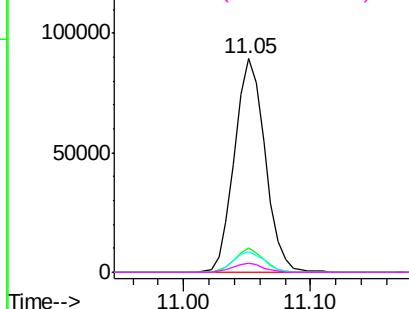
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

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

Tgt Ion:	136	Resp:	149397
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	9.8	4.6	6.8#
68	4.1	3.7	5.5

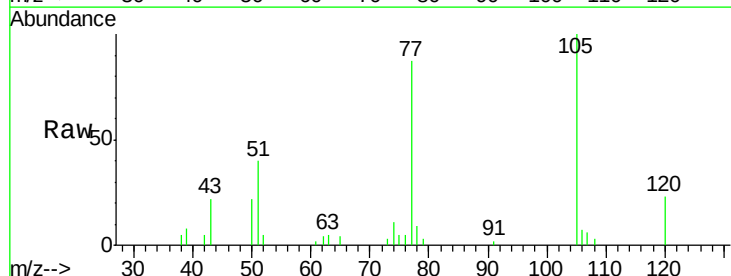


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

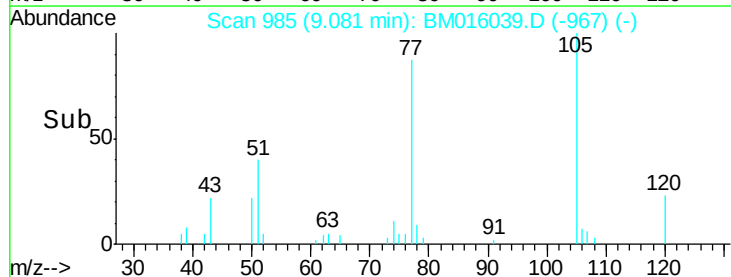
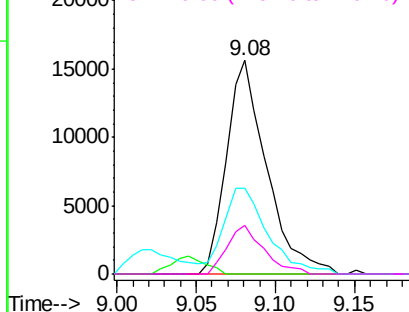


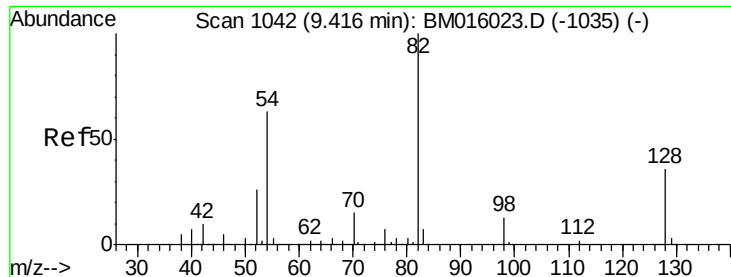
#22
Acetophenone
Concen: 7.290 ng
RT: 9.08 min Scan# 985
Delta R.T. 0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:	105	Resp:	27425
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	39.9	21.6	32.4#
120	23.0	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

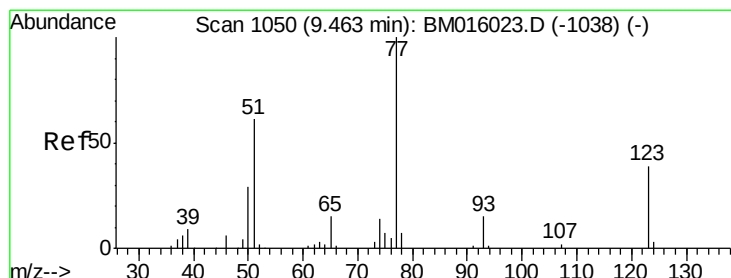
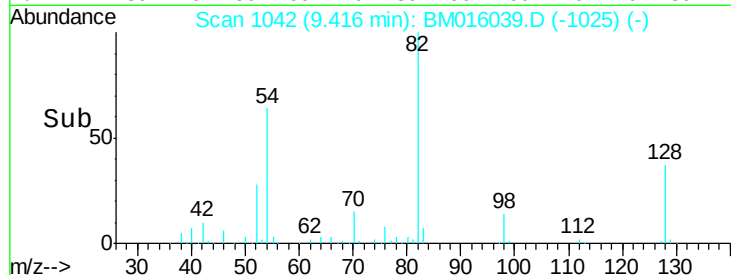
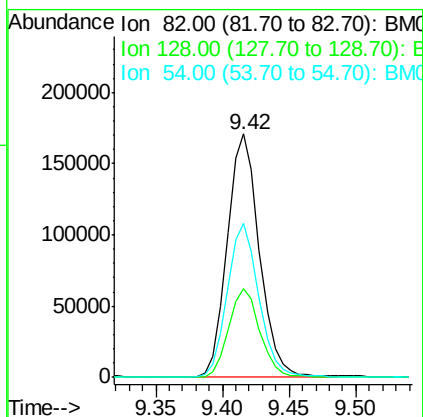
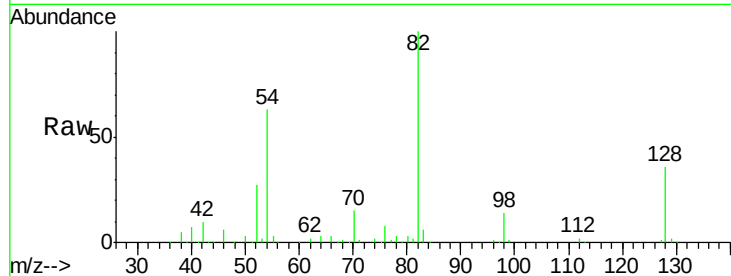




#23
 Nitrobenzene-d5
 Concen: 7.290 ng
 RT: 9.42 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

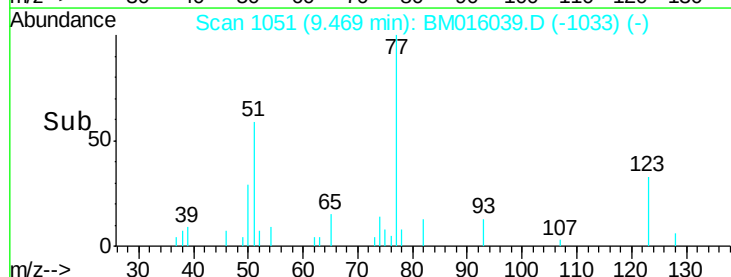
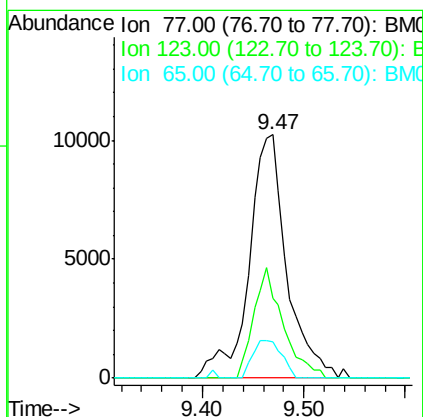
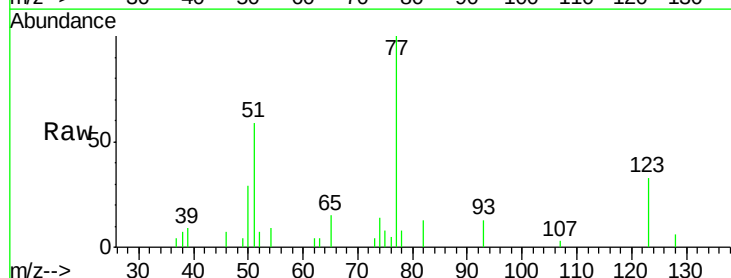
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

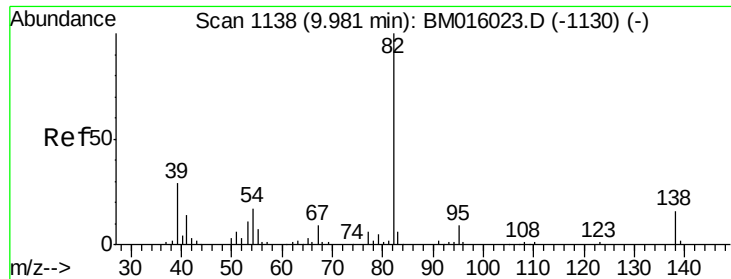
Tgt Ion: 82 Resp: 288604
 Ion Ratio Lower Upper
 82 100
 128 36.4 32.8 49.2
 54 63.3 40.6 60.8#



#24
 Nitrobenzene
 Concen: 8.201 ng
 RT: 9.47 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion: 77 Resp: 26515
 Ion Ratio Lower Upper
 77 100
 123 32.8 32.6 49.0
 65 14.8 10.9 16.3





#25

Isophorone

Concen: 7.847 ng

RT: 9.98 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

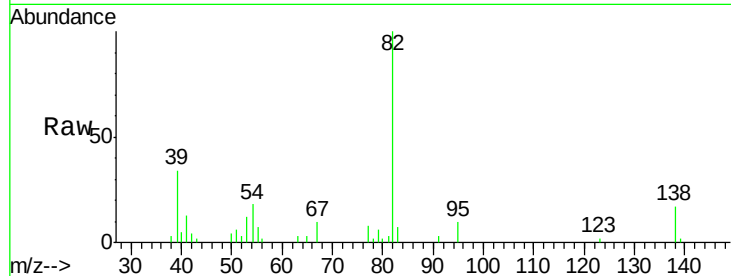
Tgt Ion: 82 Resp: 34475

Ion Ratio Lower Upper

82 100

95 10.4 5.8 8.6#

138 16.9 16.3 24.5

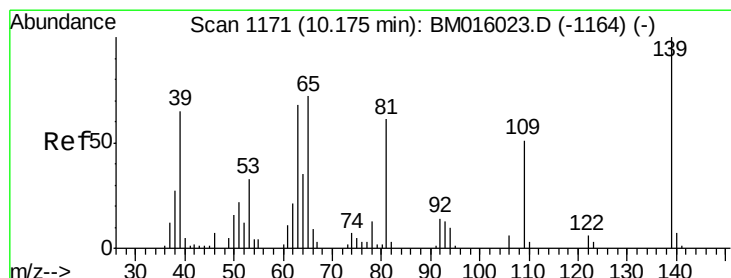
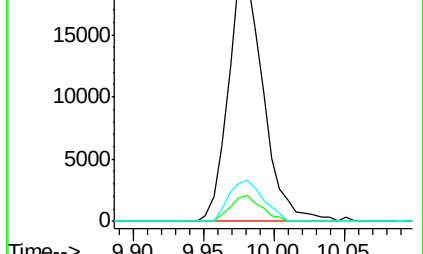
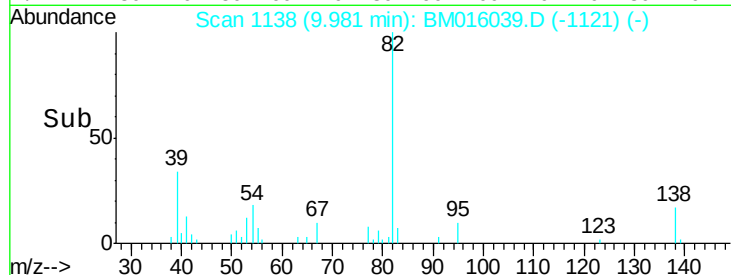


Abundance Ion 82.00 (81.70 to 82.70): BM016023.D (-1130) (-)

Ion 95.00 (94.70 to 95.70): BM016023.D (-1130) (-)

Ion 138.00 (137.70 to 138.70): BM016023.D (-1130) (-)

Time-->



#26

2-Nitrophenol

Concen: 5.646 ng

RT: 10.18 min Scan# 1172

Delta R.T. 0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

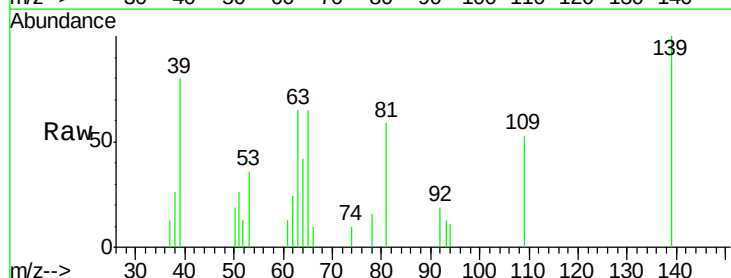
Tgt Ion: 139 Resp: 7620

Ion Ratio Lower Upper

139 100

109 52.6 20.1 30.1#

65 65.0 31.5 47.3#

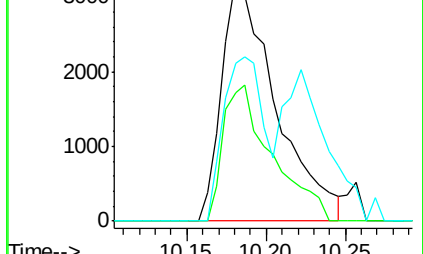
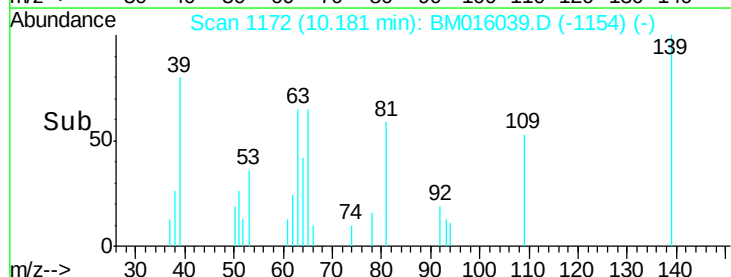


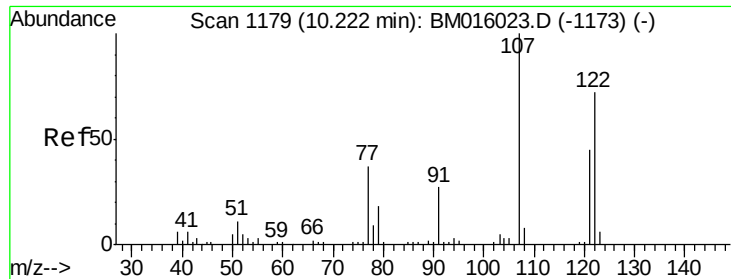
Abundance Ion 139.00 (138.70 to 139.70): BM016023.D (-1164) (-)

Ion 109.00 (108.70 to 109.70): BM016023.D (-1164) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-1164) (-)

Time-->

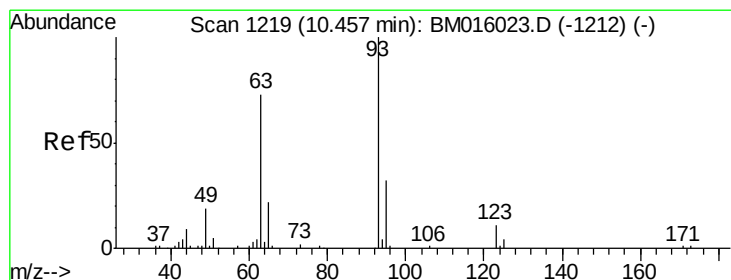
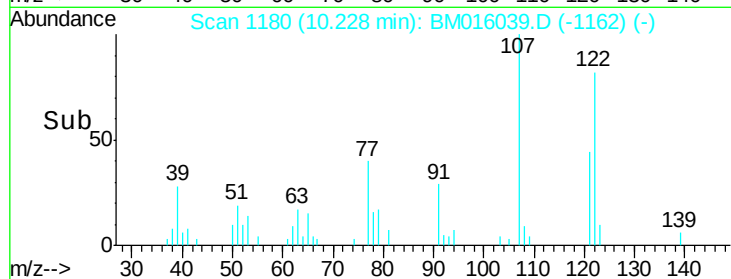
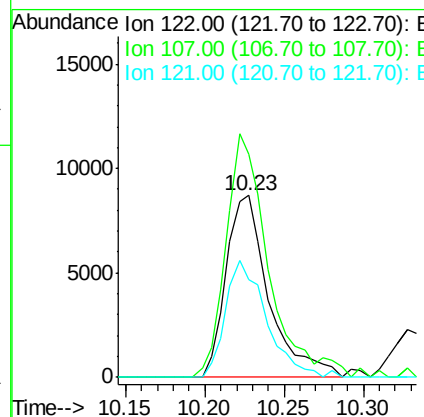
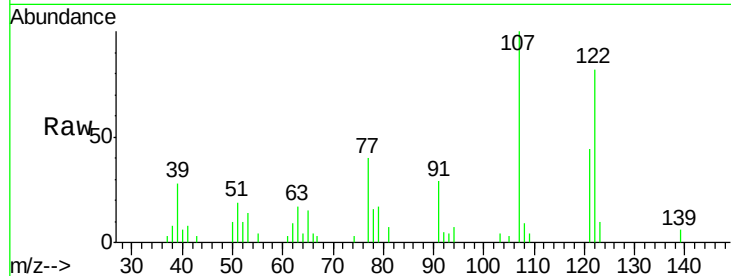




#27
2,4-Dimethylphenol
Concen: 8.666 ng
RT: 10.23 min Scan# 1180
Delta R.T. 0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

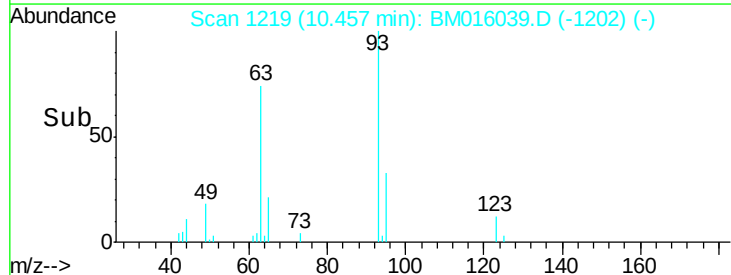
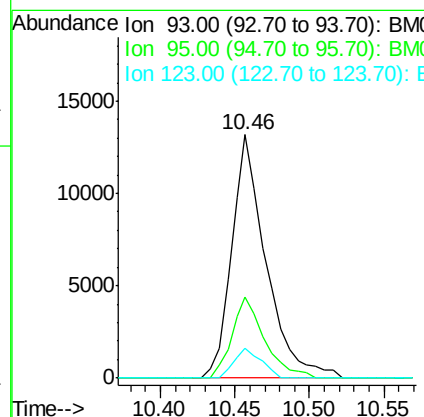
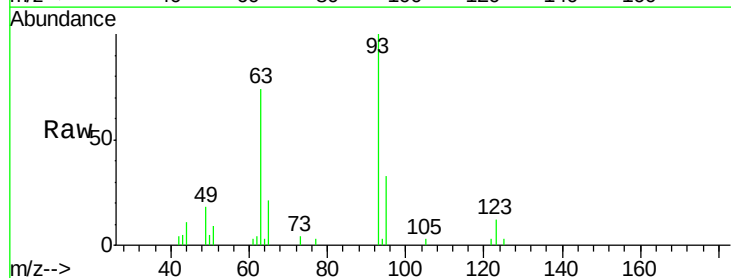
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

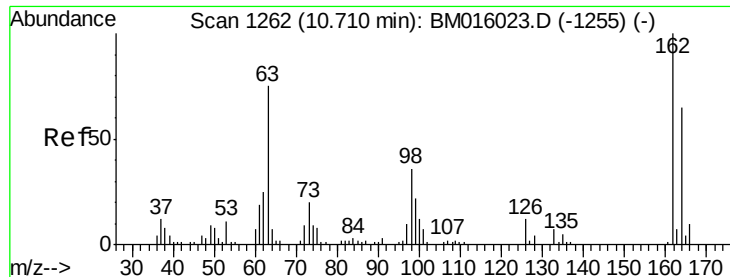
Tgt Ion: 122 Resp: 16296
Ion Ratio Lower Upper
122 100
107 122.5 84.7 127.1
121 54.0 46.6 69.8



#28
bis(2-Chloroethoxy)methane
Concen: 7.419 ng
RT: 10.46 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion: 93 Resp: 21185
Ion Ratio Lower Upper
93 100
95 33.2 25.5 38.3
123 12.3 8.6 13.0

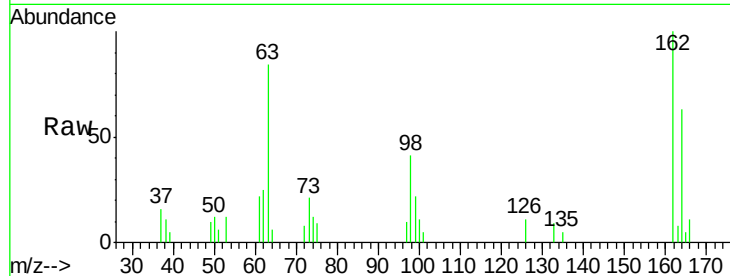




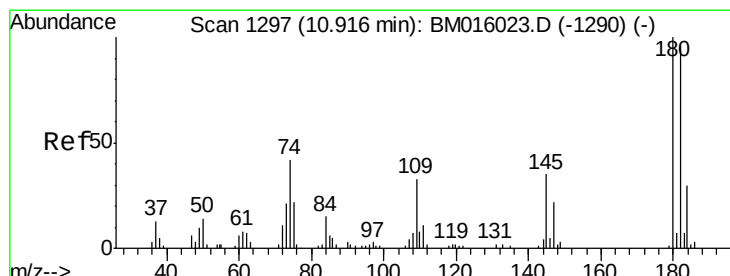
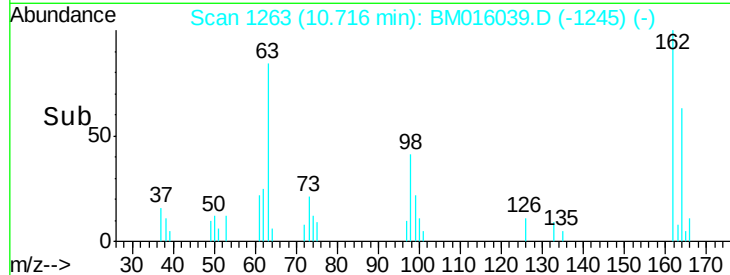
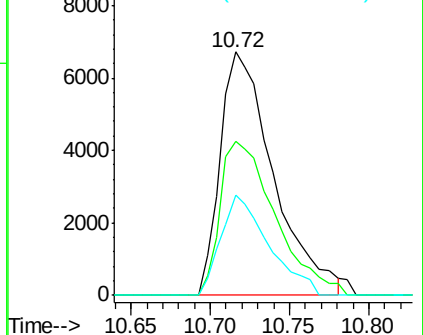
#29
 2,4-Dichlorophenol
 Concen: 6.997 ng
 RT: 10.72 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

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

Tgt Ion:162 Resp: 15634
 Ion Ratio Lower Upper
 162 100
 164 63.4 42.8 82.8
 98 41.2 14.5 54.5

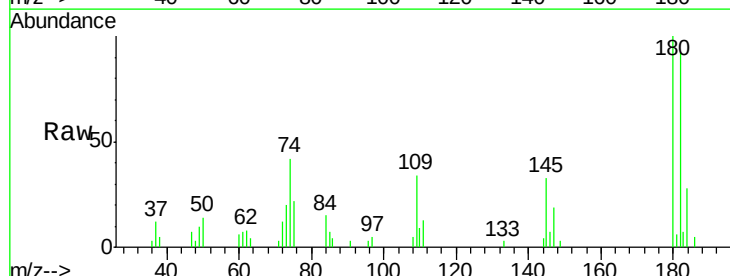


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BM

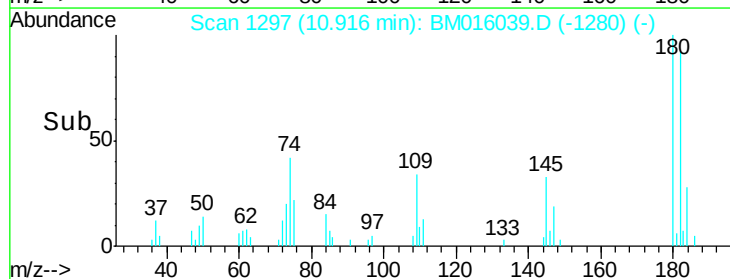
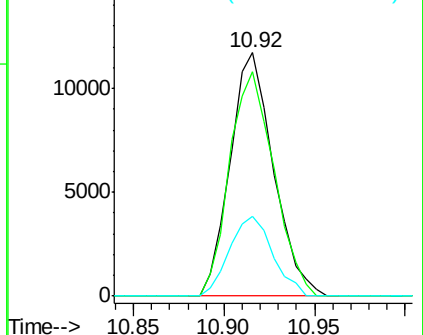


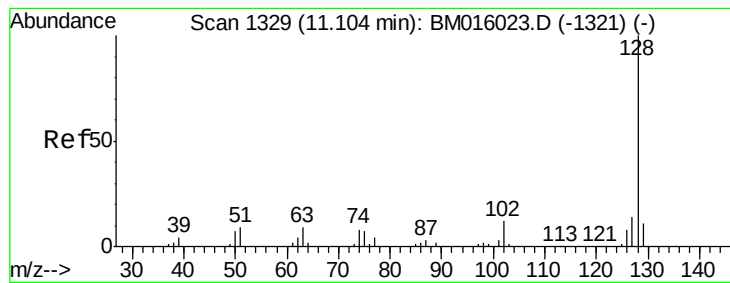
#30
 1,2,4-Trichlorobenzene
 Concen: 7.167 ng
 RT: 10.92 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion:180 Resp: 19457
 Ion Ratio Lower Upper
 180 100
 182 92.3 77.6 116.4
 145 32.6 23.4 35.2



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 7.924 ng

RT: 11.10 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

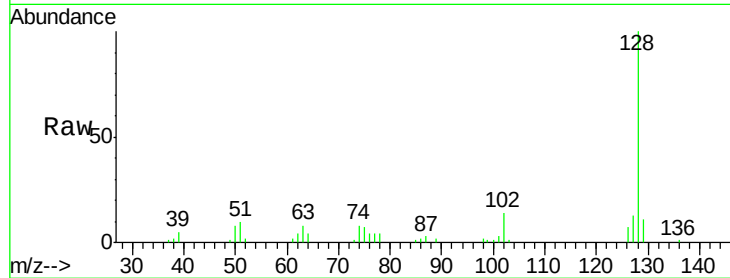
Tgt Ion:128 Resp: 59911

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

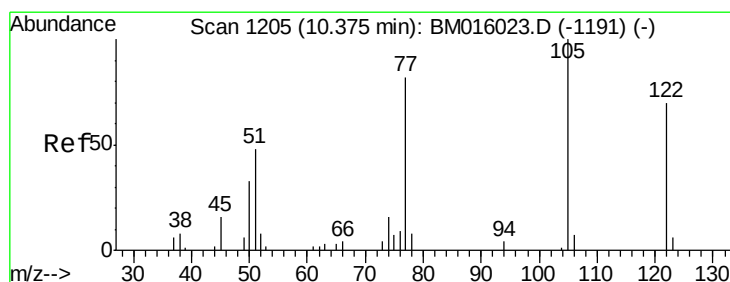
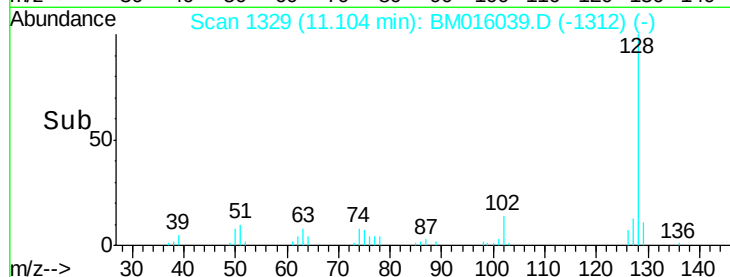
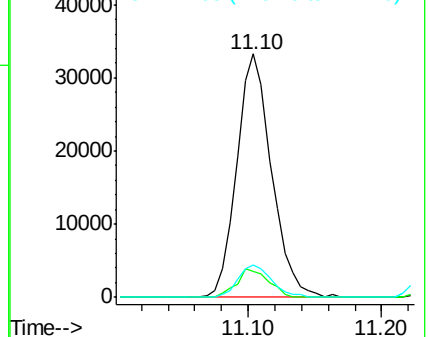
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.146 ng

RT: 10.33 min Scan# 1197

Delta R.T. -0.05 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

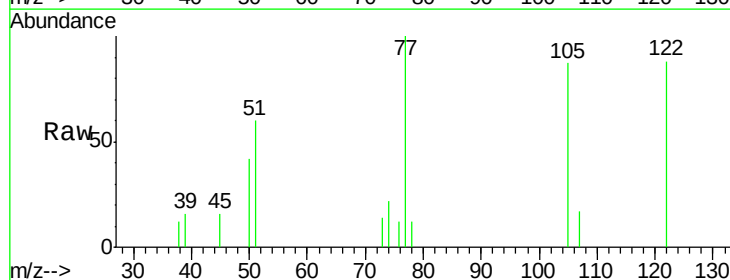
Tgt Ion:122 Resp: 7376

Ion Ratio Lower Upper

122 100

105 98.2 99.9 139.9#

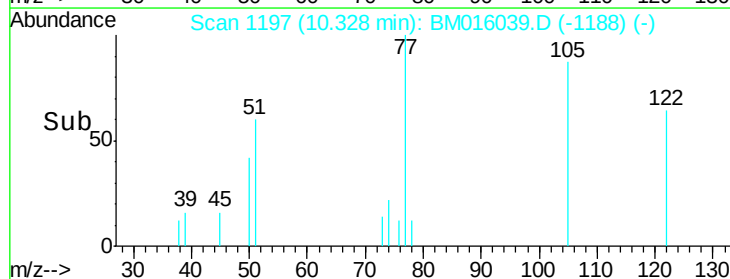
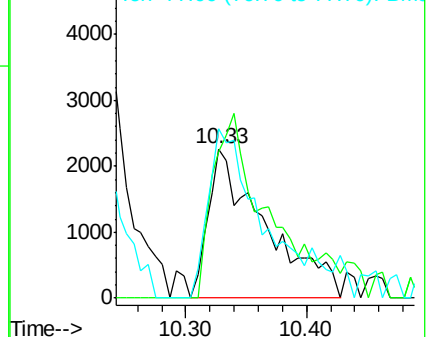
77 113.3 73.7 113.7

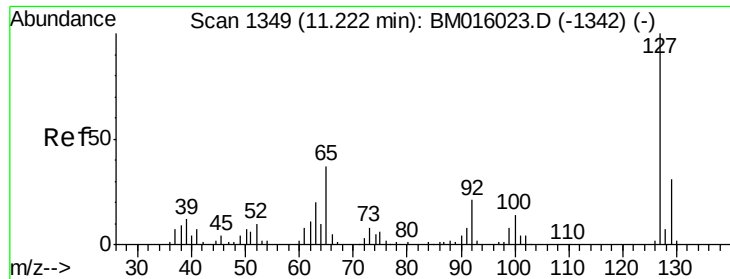


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

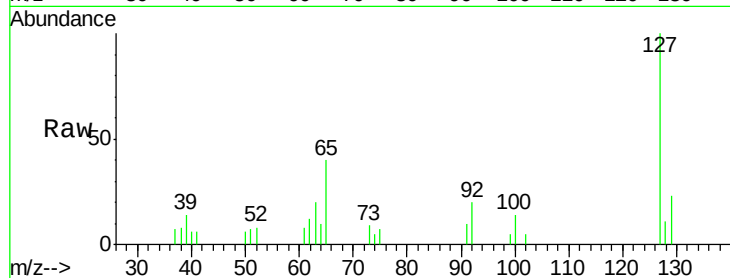




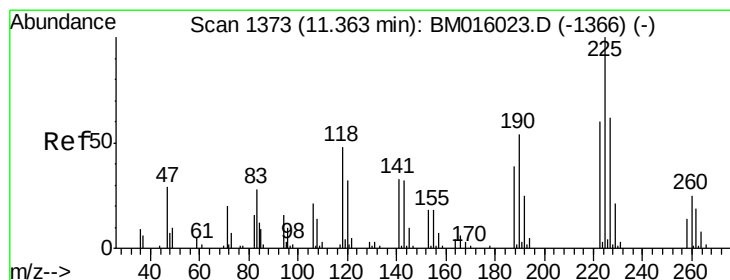
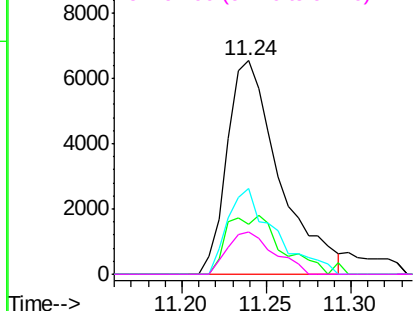
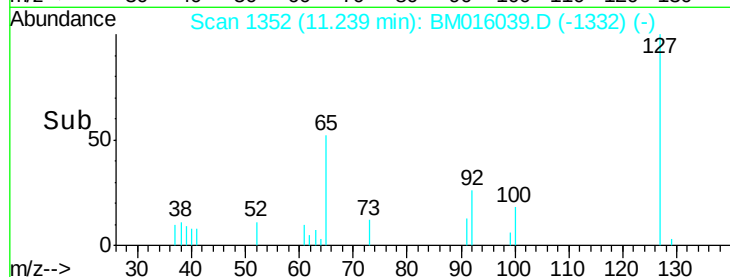
#33
4-Chloroaniline
Concen: 4.572 ng
RT: 11.24 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

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

Tgt Ion:127 Resp: 14106
Ion Ratio Lower Upper
127 100
129 23.4 25.3 37.9#
65 40.1 17.6 26.4#
92 19.9 13.1 19.7#

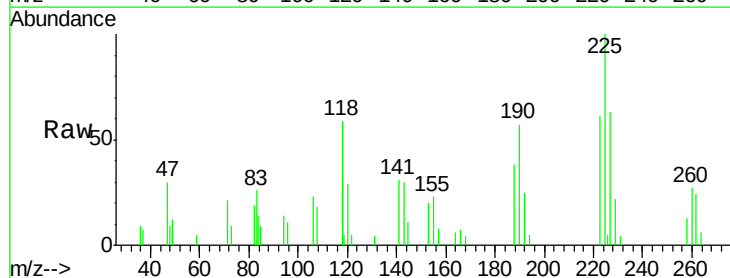


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

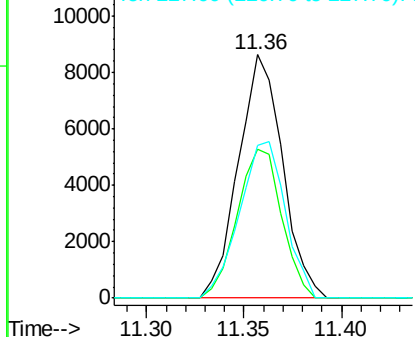
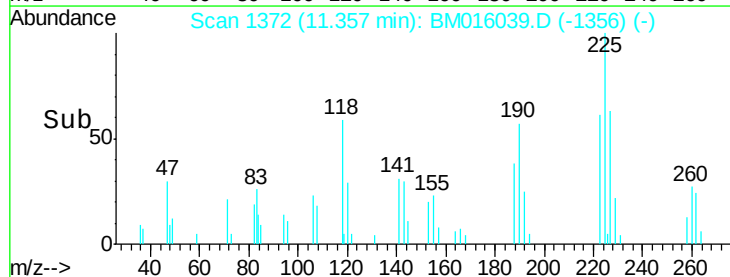


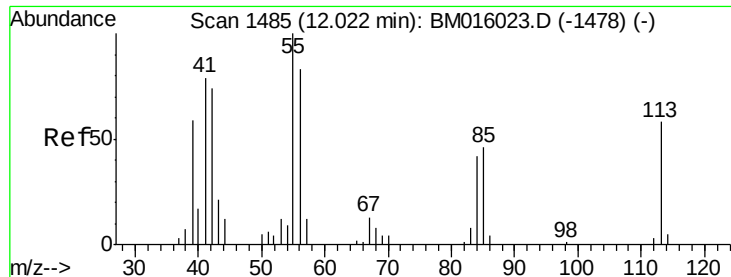
#34
Hexachlorobutadiene
Concen: 7.184 ng
RT: 11.36 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:225 Resp: 13528
Ion Ratio Lower Upper
225 100
223 58.3 47.9 71.9
227 59.9 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: 5.114 ng

RT: 12.00 min Scan# 1482

Delta R.T. -0.02 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

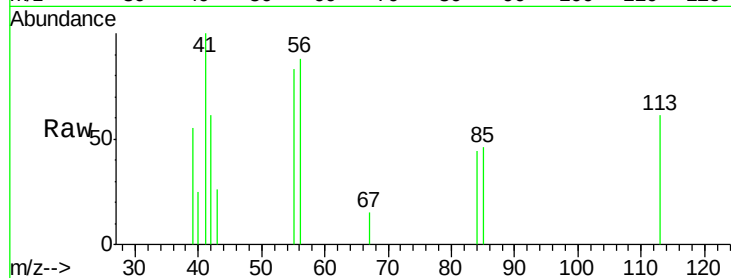
Tgt Ion:113 Resp: 3165

Ion Ratio Lower Upper

113 100

55 135.8 145.9 185.9#

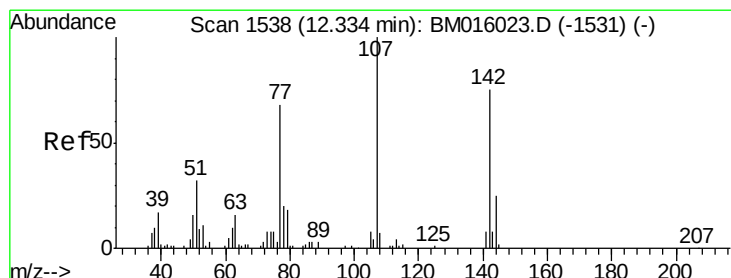
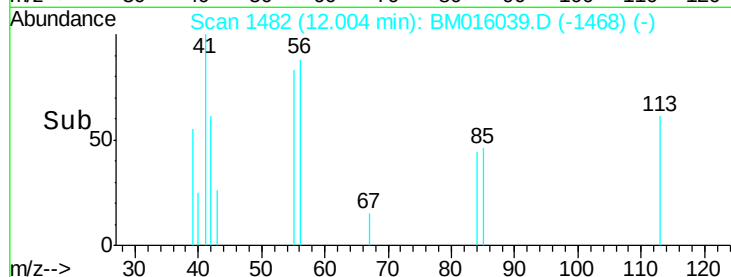
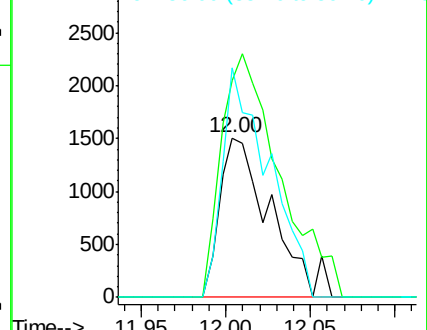
56 143.7 101.0 141.0#



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: 6.870 ng

RT: 12.33 min Scan# 1538

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

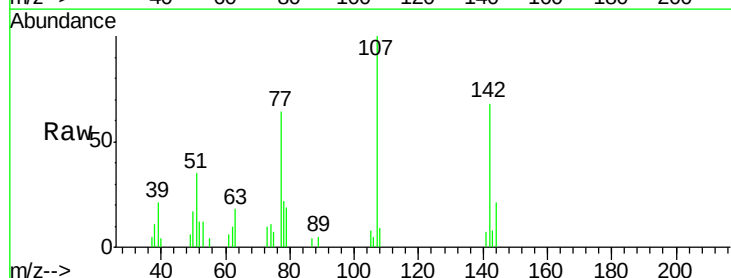
Tgt Ion:107 Resp: 16883

Ion Ratio Lower Upper

107 100

144 21.1 23.3 34.9#

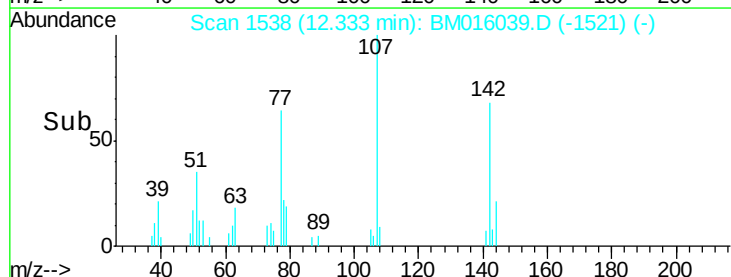
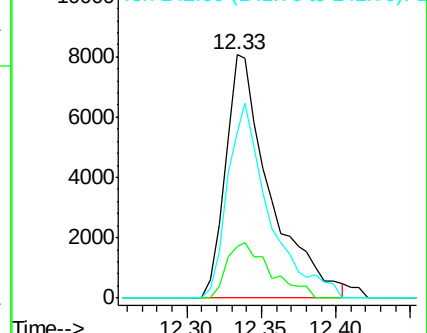
142 68.2 72.6 109.0#

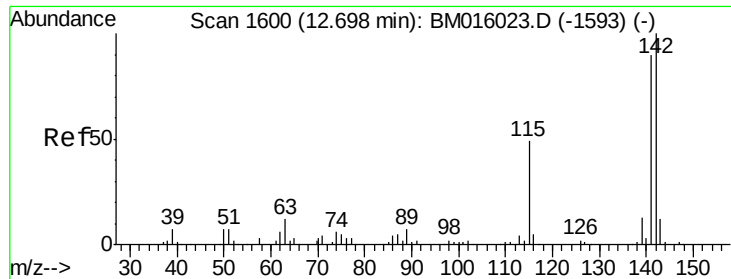


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

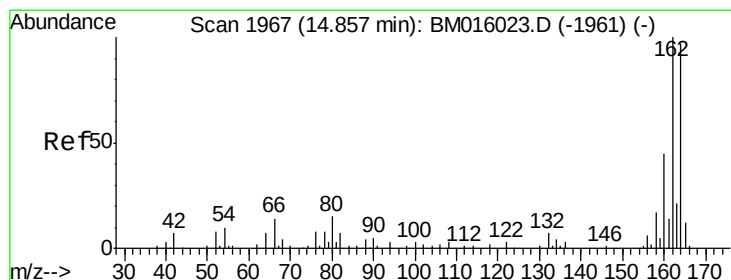
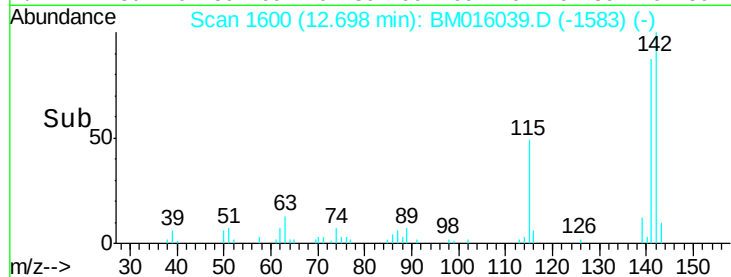
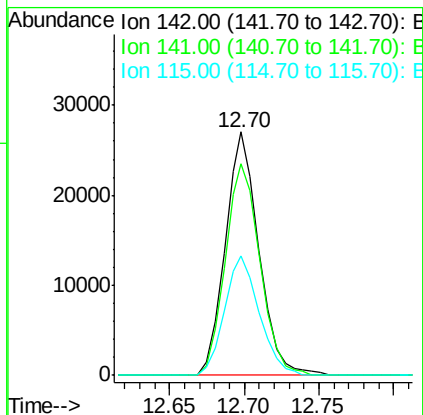
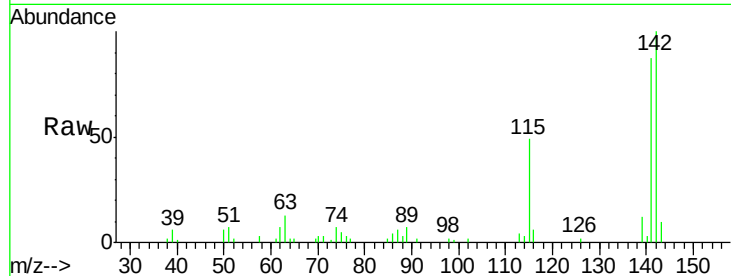




#37
 2-Methylnaphthalene
 Concen: 8.398 ng
 RT: 12.70 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

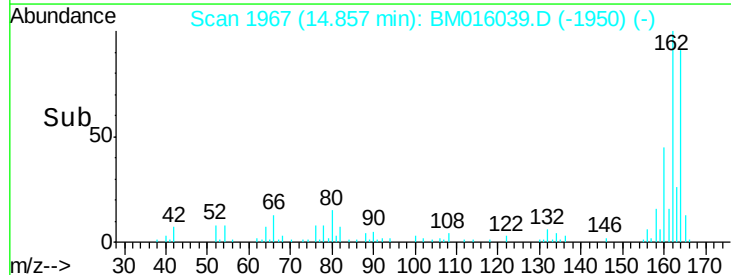
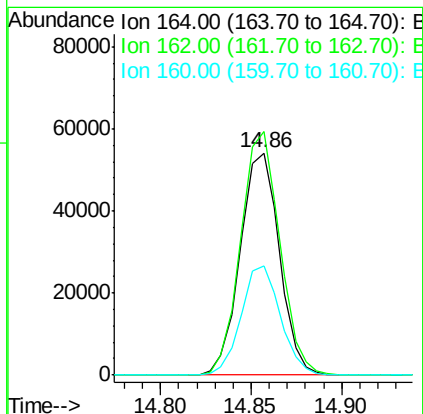
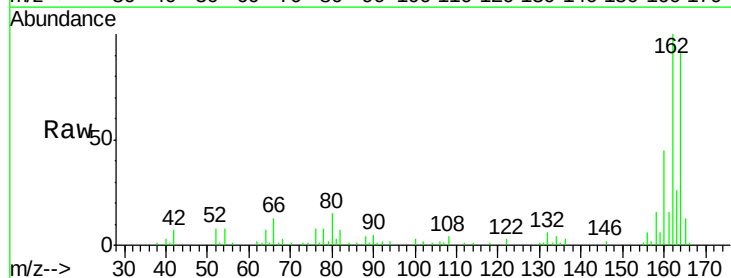
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

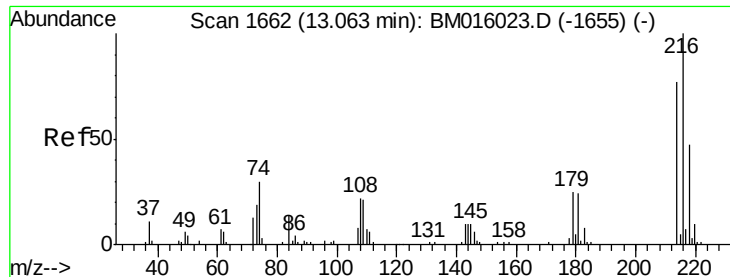
Tgt Ion:142 Resp: 42535
 Ion Ratio Lower Upper
 142 100
 141 86.9 71.9 107.9
 115 49.3 25.4 38.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.86 min Scan# 1967
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion:164 Resp: 81281
 Ion Ratio Lower Upper
 164 100
 162 109.7 82.4 123.6
 160 49.1 35.8 53.6

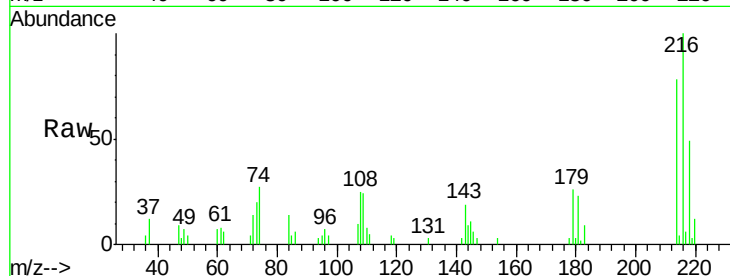




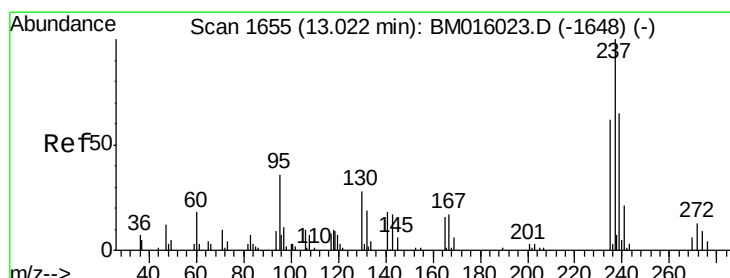
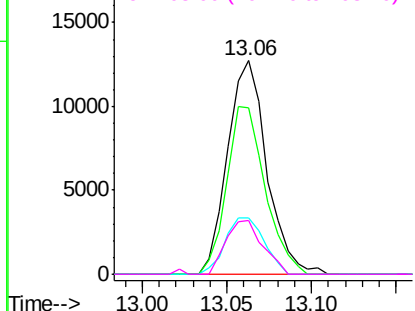
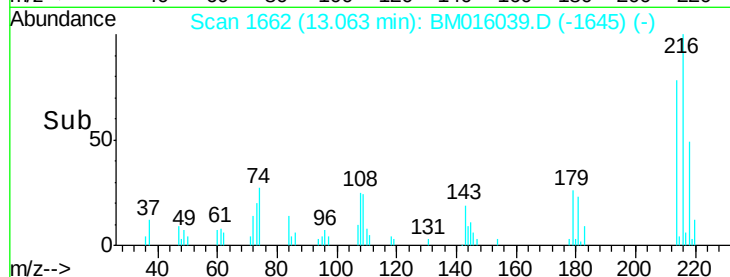
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 7.430 ng
 RT: 13.06 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

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

Tgt Ion:216 Resp: 20559
 Ion Ratio Lower Upper
 216 100
 214 76.7 0.0 0.0#
 179 26.3 0.0 0.0#
 108 23.7 0.0 0.0#

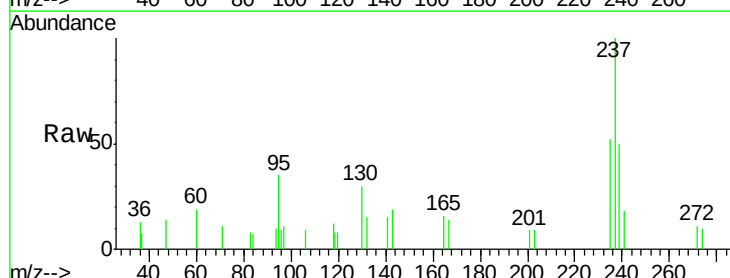


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

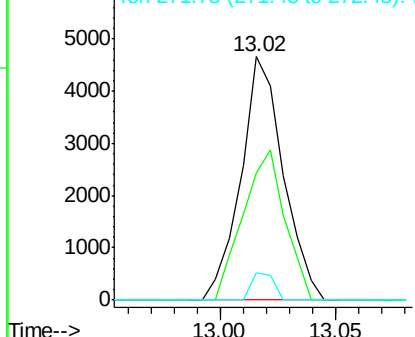
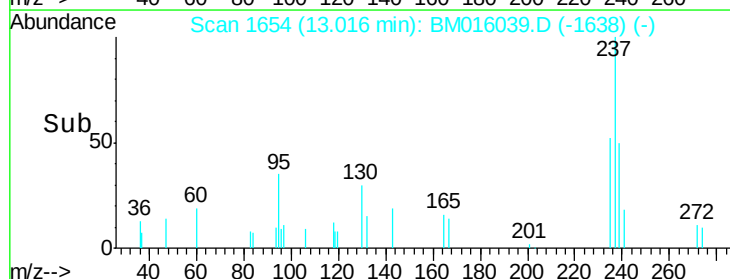


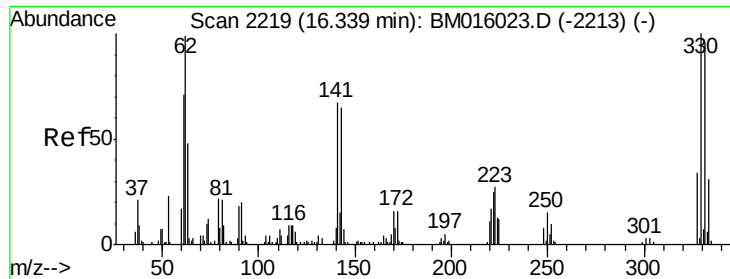
#40
 Hexachlorocyclopentadiene
 Concen: 11.644 ng
 RT: 13.02 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion:237 Resp: 5967
 Ion Ratio Lower Upper
 237 100
 235 52.5 42.0 82.0
 272 11.3 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

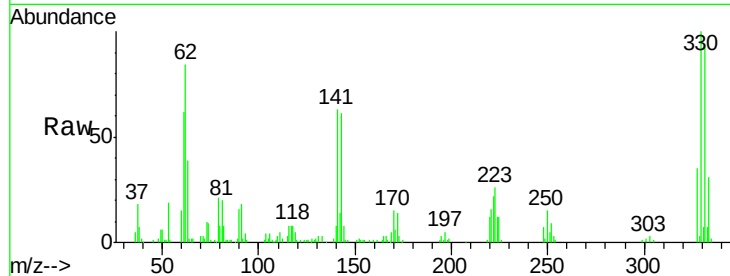




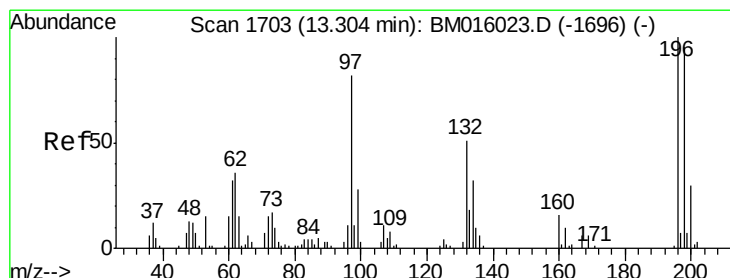
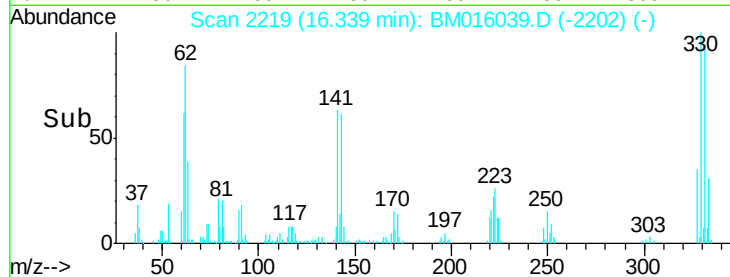
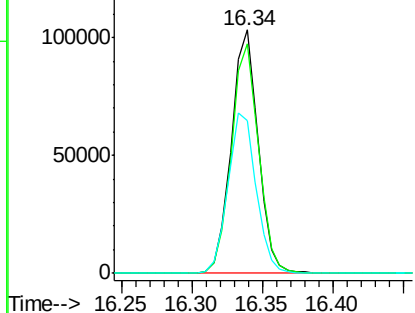
#41
 2,4,6-Tribromophenol
 Concen: 11.644 ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

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

Tgt Ion:330 Resp: 136685
 Ion Ratio Lower Upper
 330 100
 332 95.5 0.0 0.0#
 141 69.0 0.0 0.0#

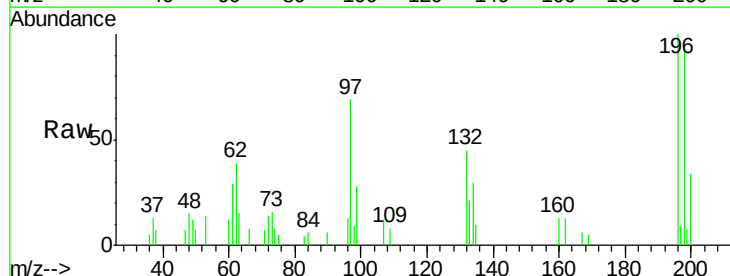


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

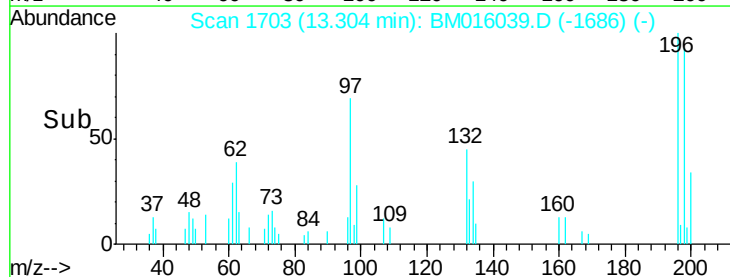
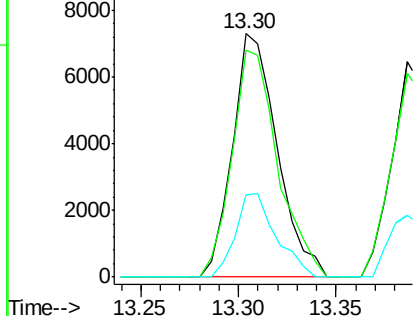


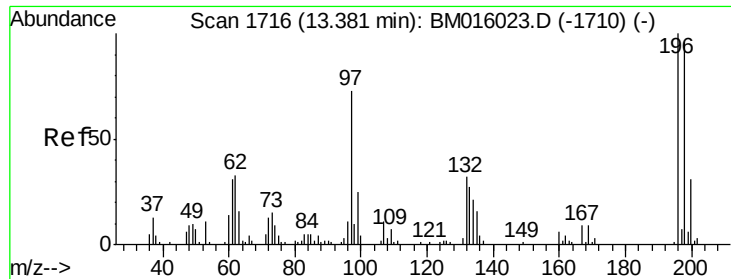
#42
 2,4,6-Trichlorophenol
 Concen: 6.693 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion:196 Resp: 11588
 Ion Ratio Lower Upper
 196 100
 198 93.2 76.3 114.5
 200 33.6 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

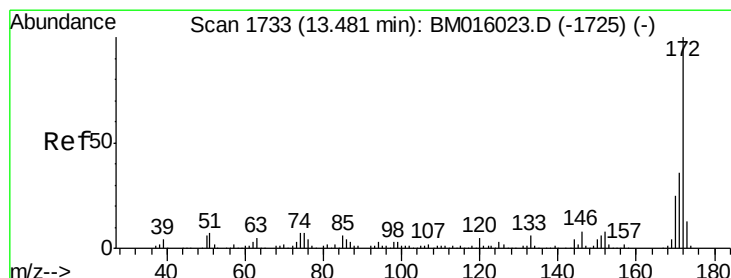
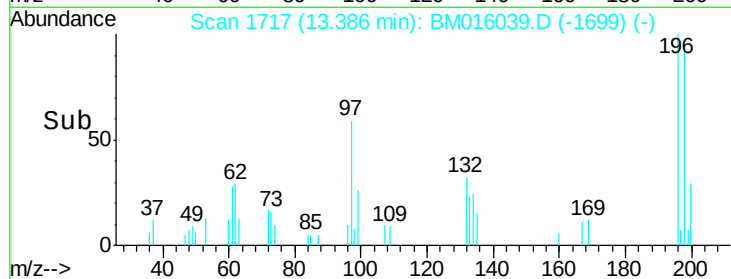
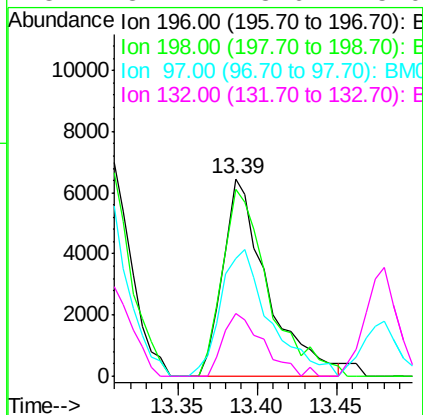
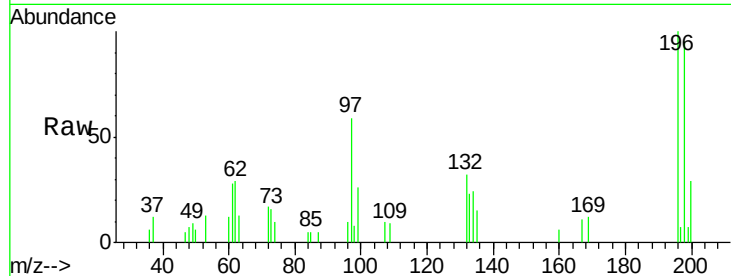




#43
 2,4,5-Trichlorophenol
 Concen: 7.028 ng
 RT: 13.39 min Scan# 1717
 Delta R.T. 0.01 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

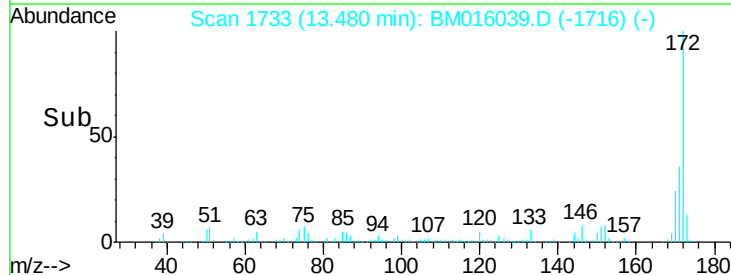
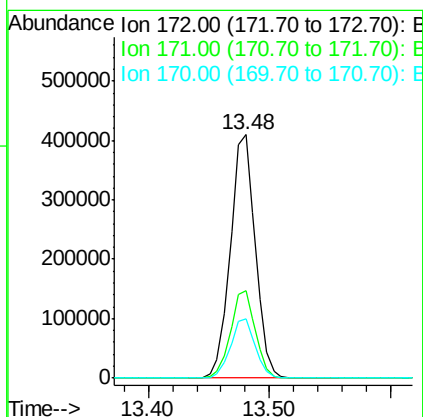
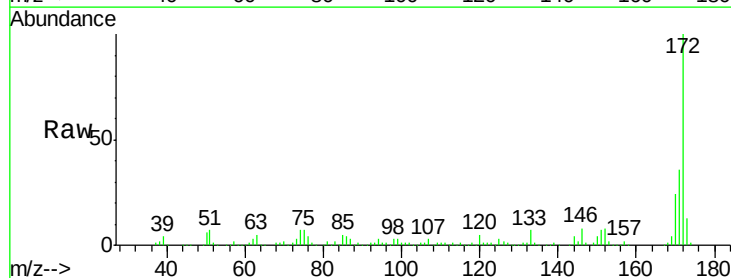
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

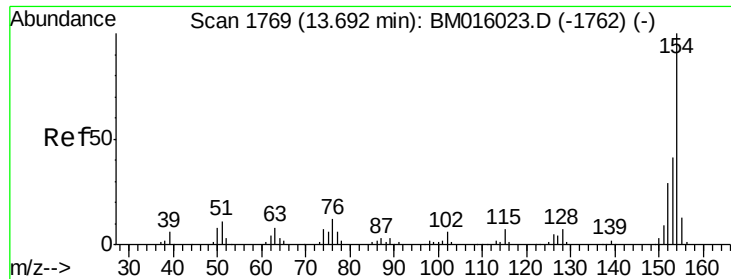
Tgt Ion:196 Resp: 12550
 Ion Ratio Lower Upper
 196 100
 198 94.8 79.4 119.0
 97 59.5 26.8 40.2#
 132 31.7 18.6 28.0#



#44
 2-Fluorobiphenyl
 Concen: 7.028 ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion:172 Resp: 587901
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.5 42.7
 170 24.2 18.8 28.2

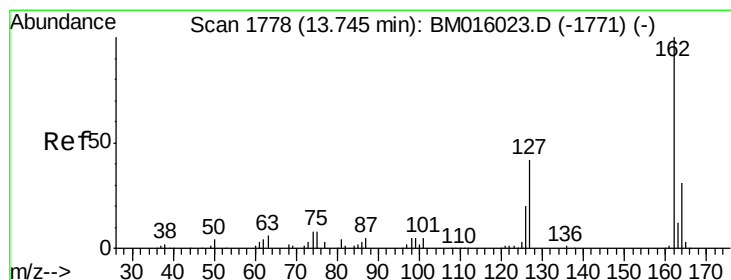
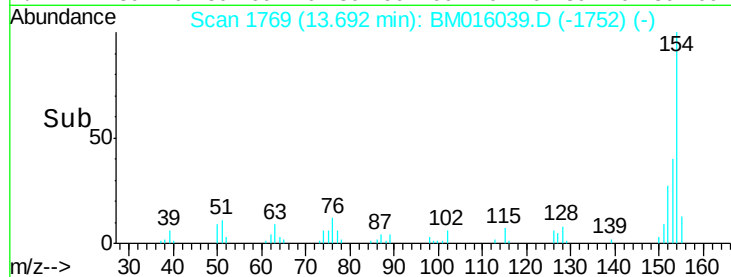
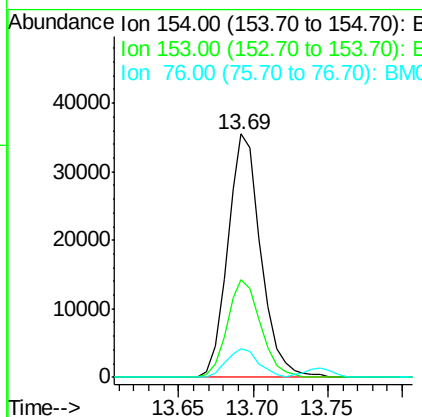
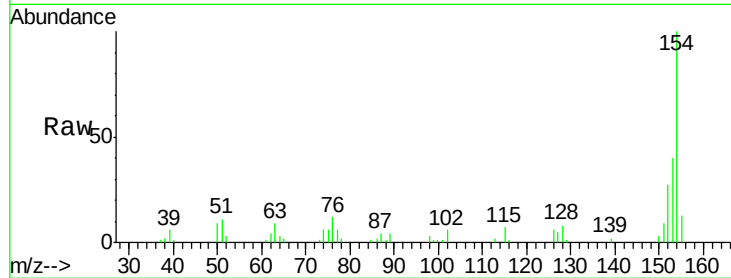




#45
 1,1'-Biphenyl
 Concen: 7.488 ng
 RT: 13.69 min Scan# 1769
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

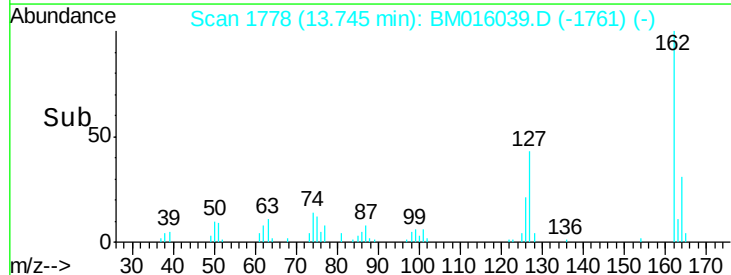
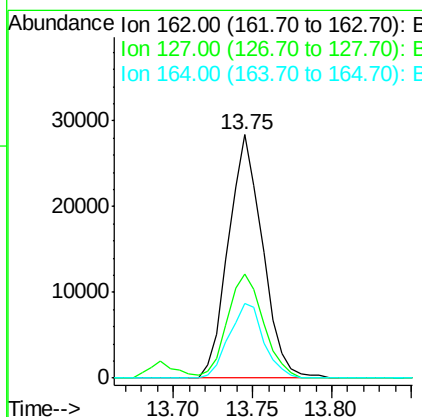
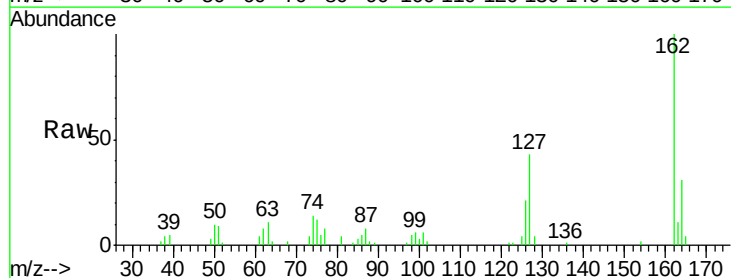
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

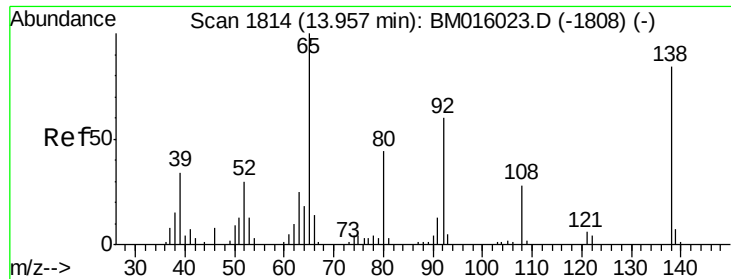
Tgt Ion:	154	Resp:	54926
Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.7	60.7
76	11.7	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 7.433 ng
 RT: 13.75 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion:	162	Resp:	42405
Ion	Ratio	Lower	Upper
162	100		
127	43.0	26.9	40.3#
164	30.6	26.8	40.2

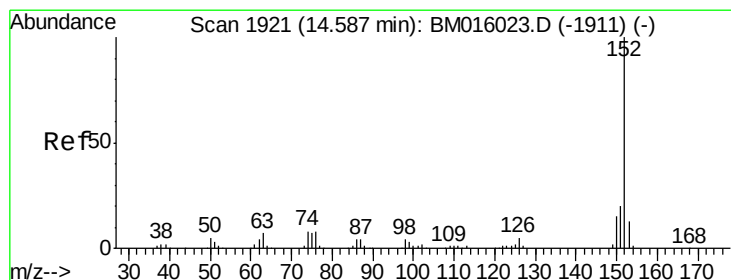
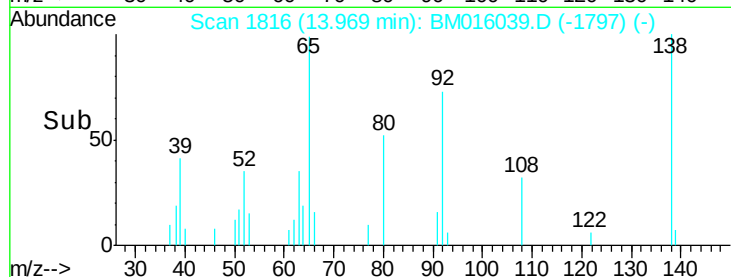
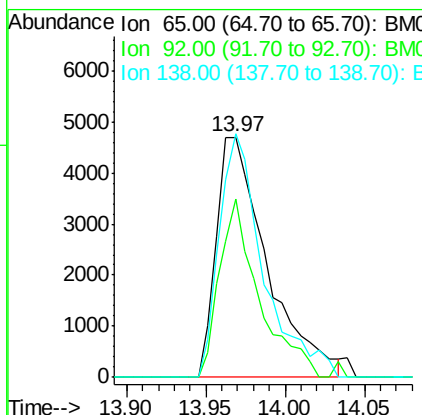
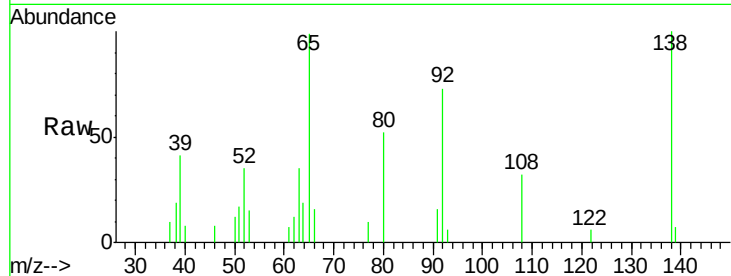




#47
 2-Nitroaniline
 Concen: 5.560 ng
 RT: 13.97 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

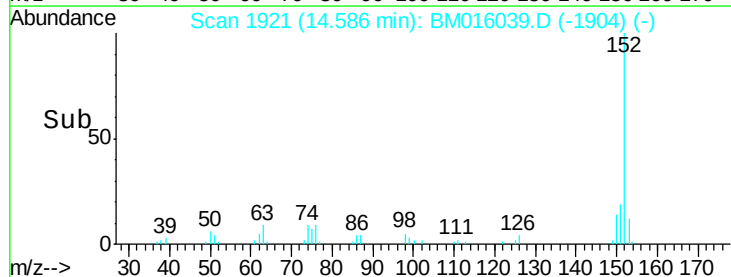
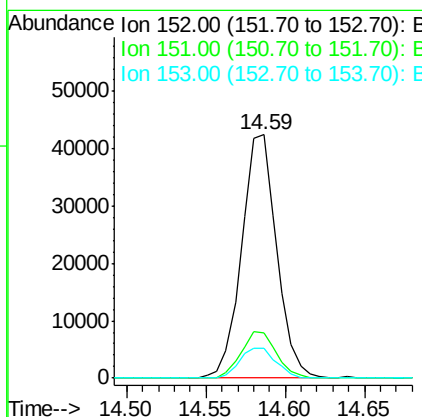
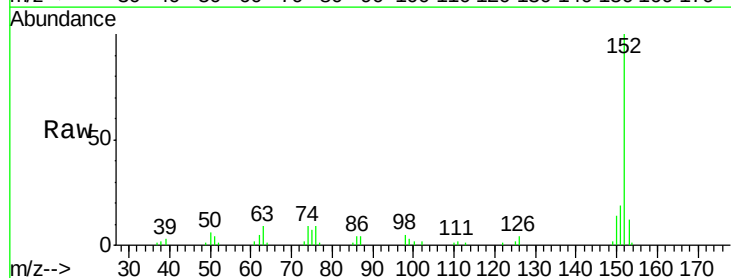
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

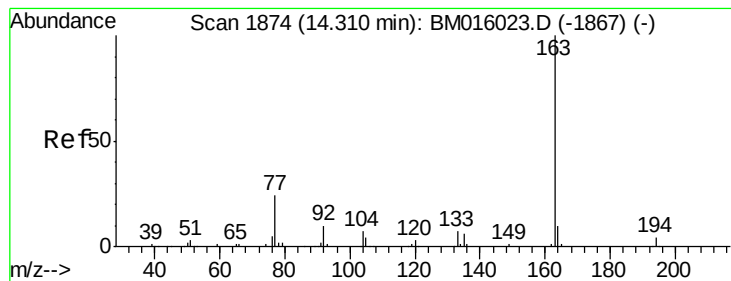
Tgt Ion: 65 Resp: 10488
 Ion Ratio Lower Upper
 65 100
 92 74.0 59.1 88.7
 138 101.3 93.9 140.9



#48
 Acenaphthylene
 Concen: 7.790 ng
 RT: 14.59 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion: 152 Resp: 65066
 Ion Ratio Lower Upper
 152 100
 151 18.5 15.9 23.9
 153 12.2 10.6 16.0





#49

Dimethylphthalate

Concen: 7.681 ng

RT: 14.30 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

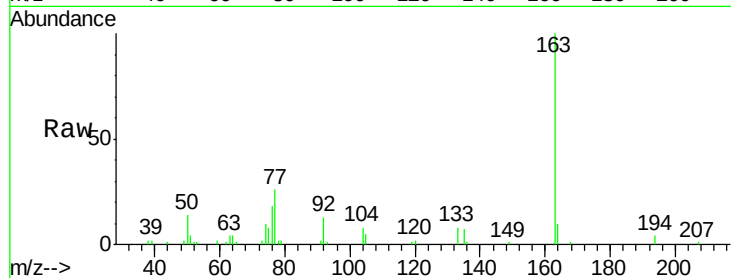
Tgt Ion:163 Resp: 54640

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

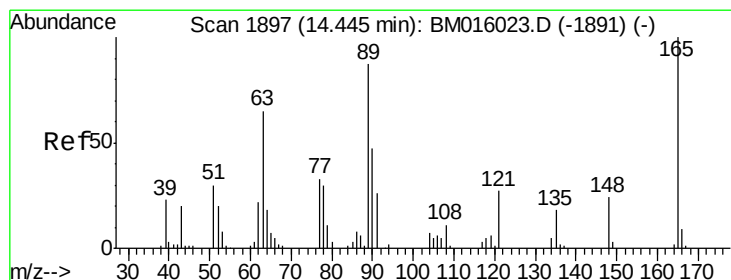
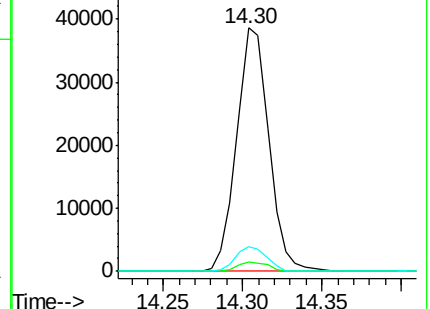
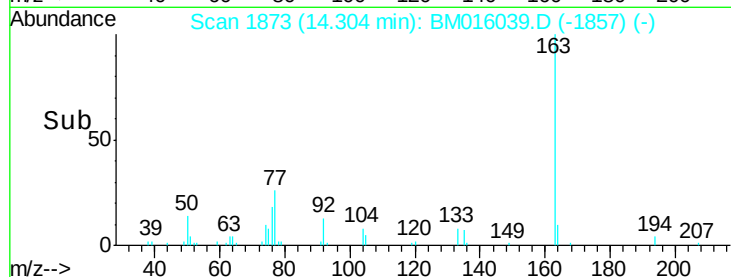
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 6.953 ng

RT: 14.44 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

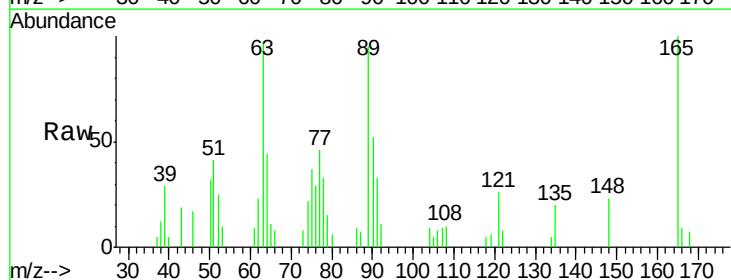
Tgt Ion:165 Resp: 9951

Ion Ratio Lower Upper

165 100

63 96.9 44.1 66.1#

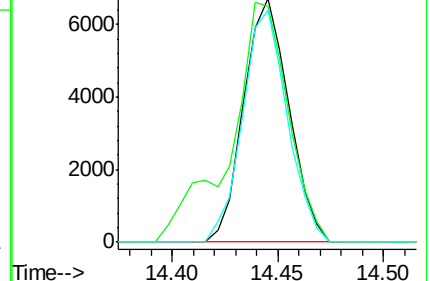
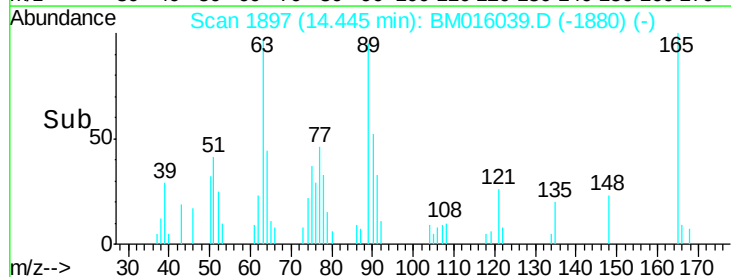
89 95.3 44.3 66.5#

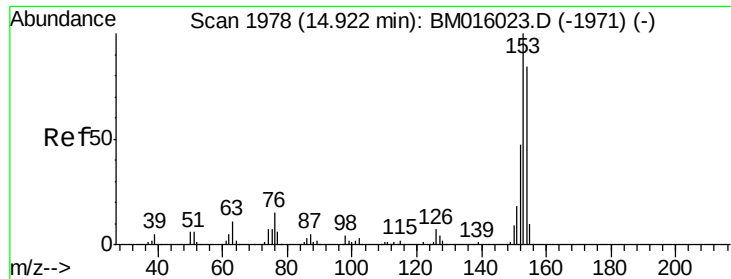


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 7.739 ng

RT: 14.92 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

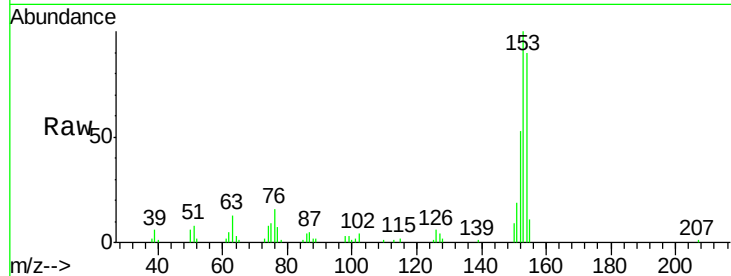
Tgt Ion:154 Resp: 39754

Ion Ratio Lower Upper

154 100

153 111.0 90.0 135.0

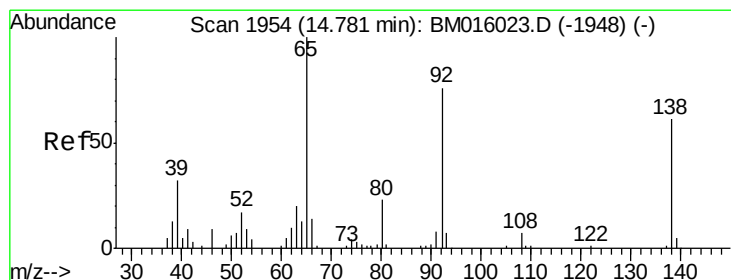
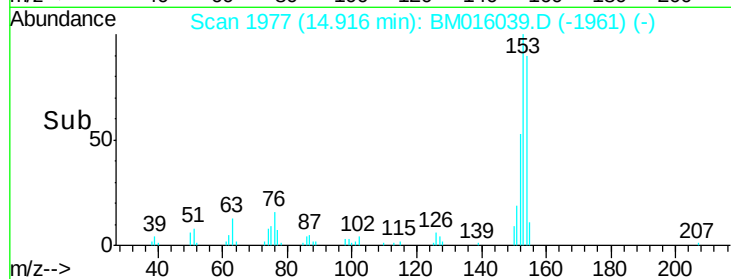
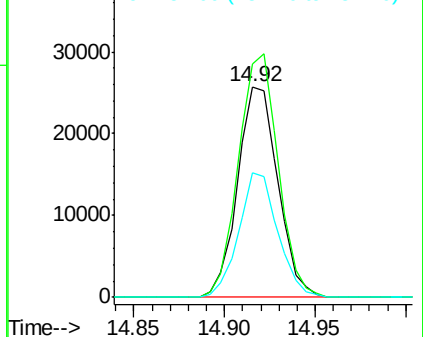
152 59.1 42.6 63.8



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: 4.685 ng

RT: 14.79 min Scan# 1956

Delta R.T. 0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

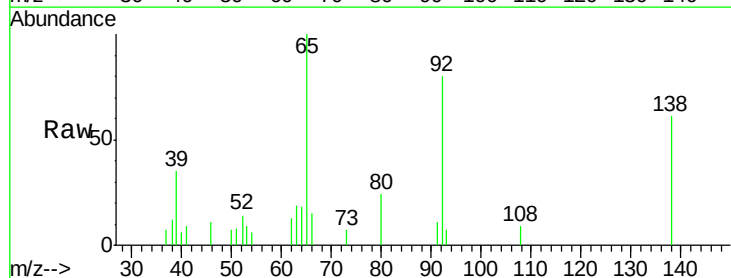
Tgt Ion:138 Resp: 7242

Ion Ratio Lower Upper

138 100

108 14.8 7.3 10.9#

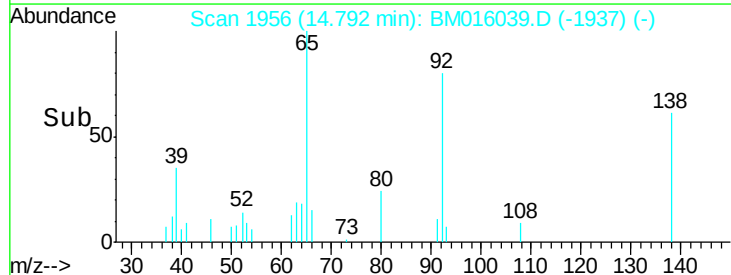
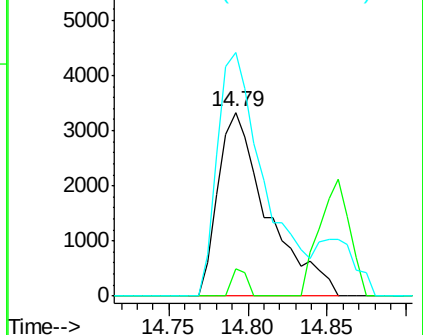
92 132.3 76.6 114.8#

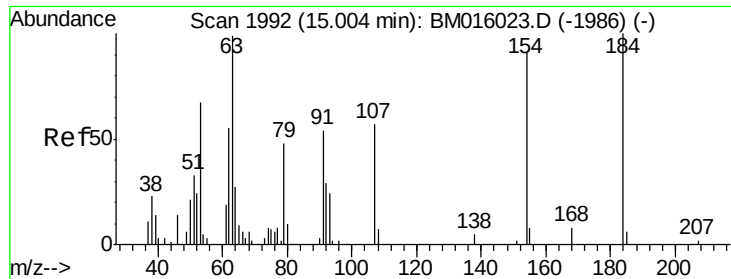


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#53

2,4-Dinitrophenol

Concen: 9.527 ng

RT: 15.02 min Scan# 1995

Delta R.T. 0.02 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

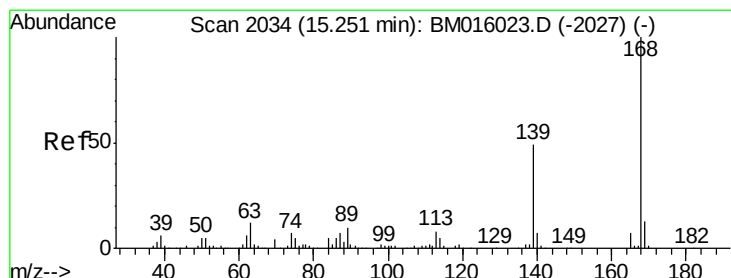
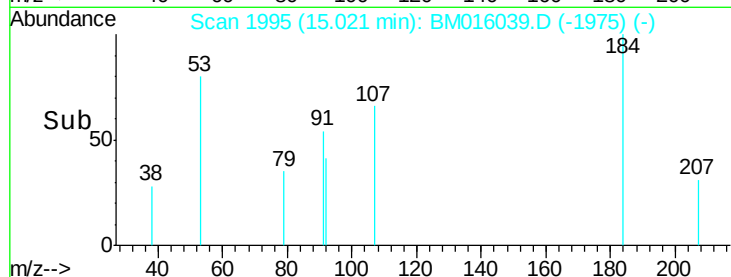
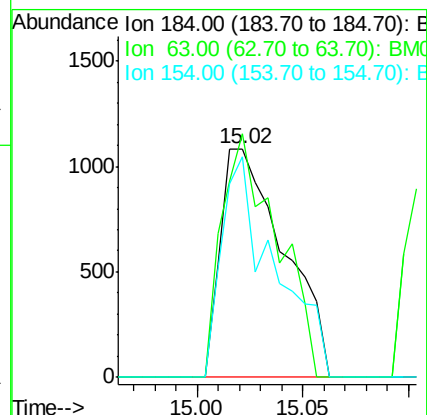
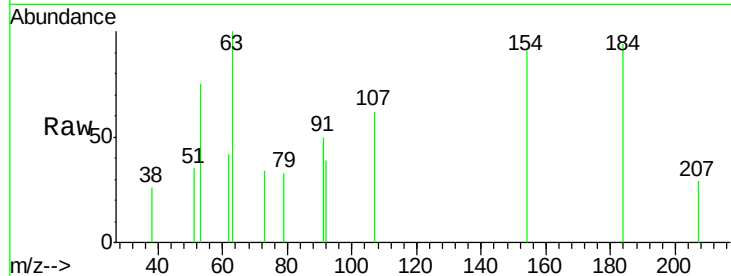
Tgt Ion:184 Resp: 2268

Ion Ratio Lower Upper

184 100

63 106.5 69.2 103.8#

154 96.4 53.3 79.9#



#54

Dibenzofuran

Concen: 7.550 ng

RT: 15.25 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

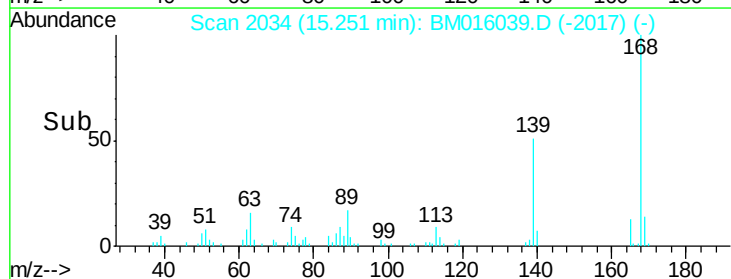
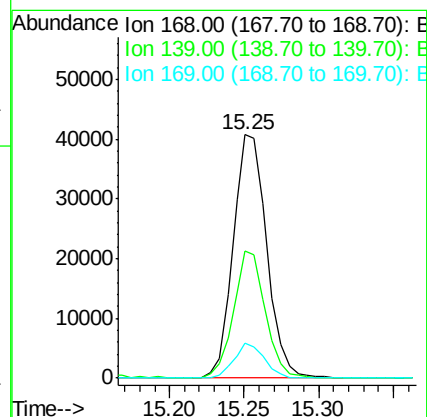
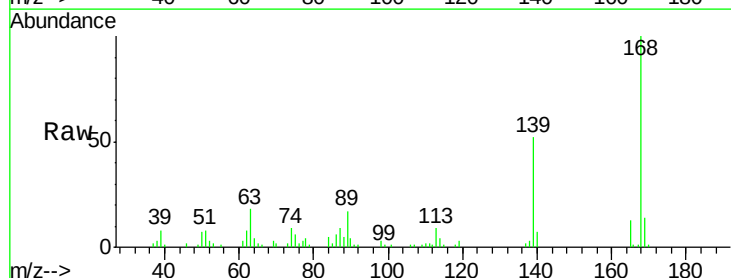
Tgt Ion:168 Resp: 63912

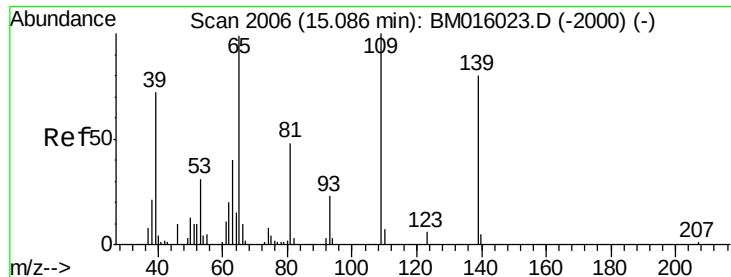
Ion Ratio Lower Upper

168 100

139 52.3 27.3 40.9#

169 14.1 10.6 16.0

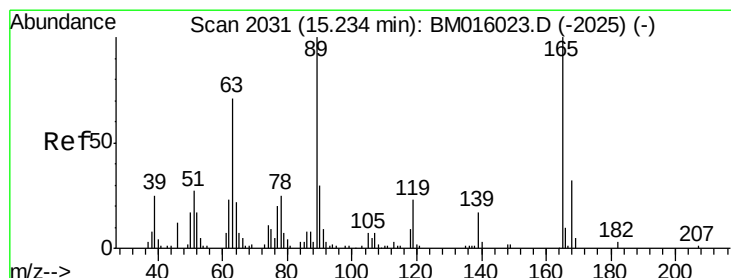
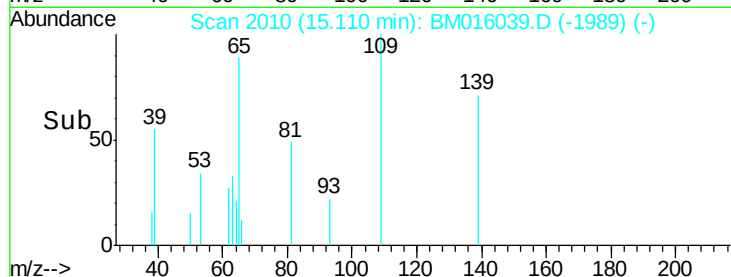
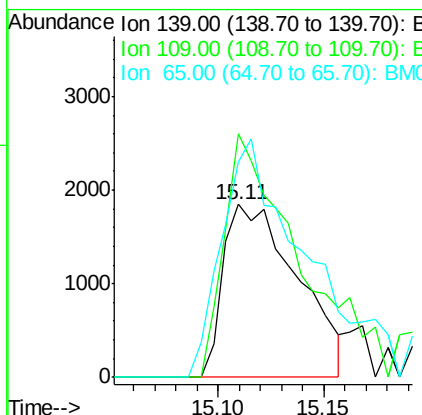
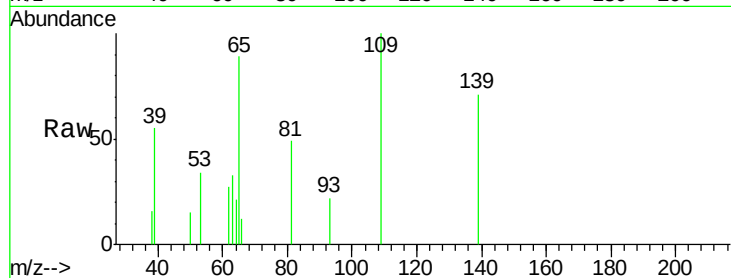




#55
4-Nitrophenol
Concen: 4.066 ng
RT: 15.11 min Scan# 2010
Delta R.T. 0.02 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

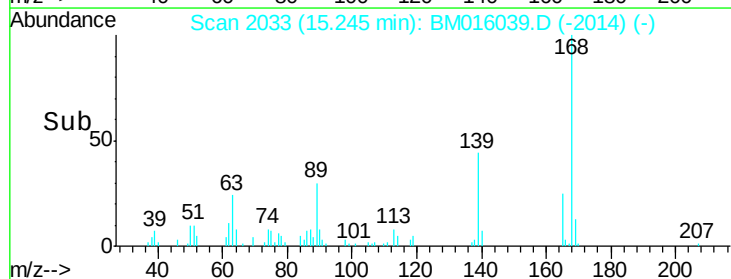
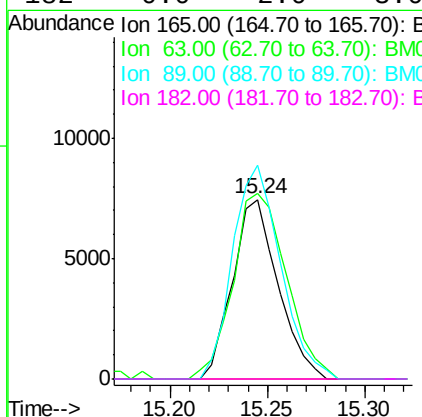
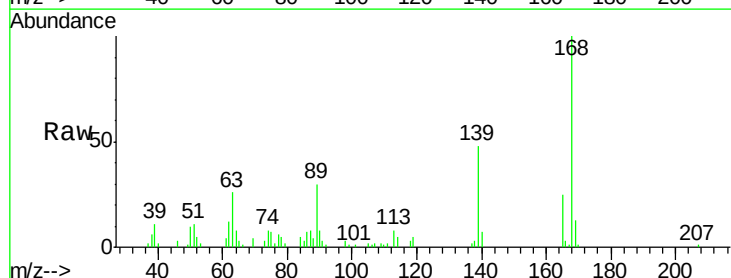
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

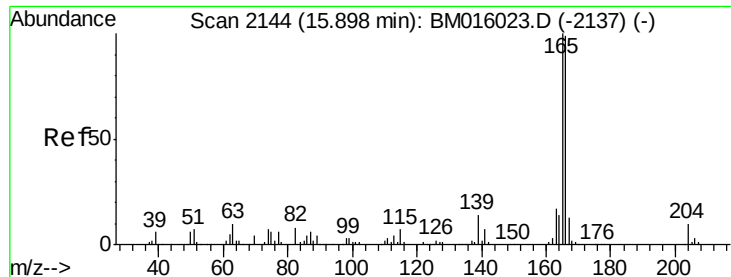
Tgt Ion:139 Resp: 4506
Ion Ratio Lower Upper
139 100
109 140.7 130.0 170.0
65 124.6 130.0 170.0#



#56
2,4-Dinitrotoluene
Concen: 5.906 ng
RT: 15.24 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:165 Resp: 12086
Ion Ratio Lower Upper
165 100
63 103.5 52.4 78.6#
89 118.8 72.4 108.6#
182 0.0 2.0 3.0#

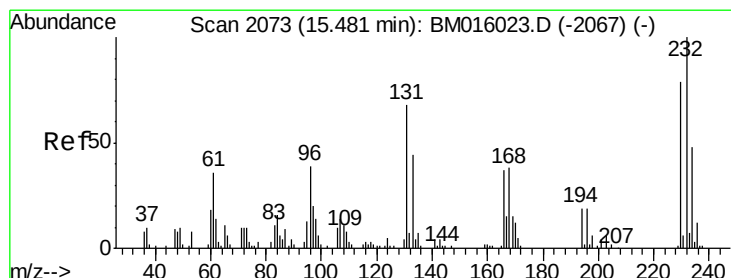
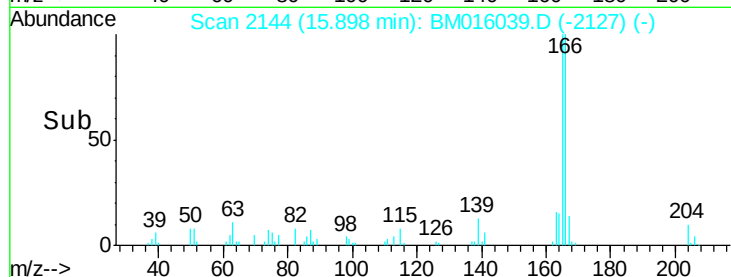
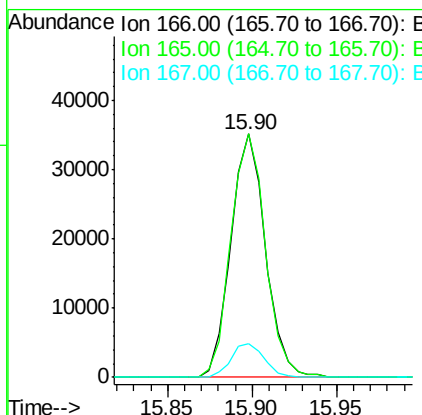
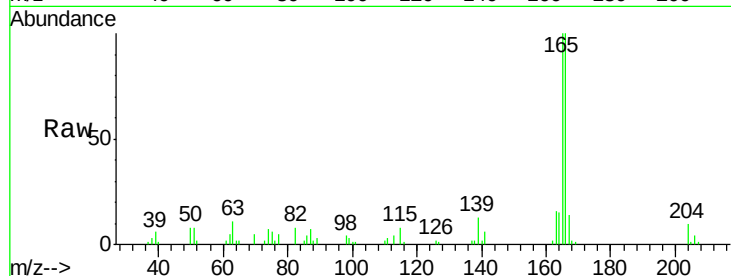




#57
 Fluorene
 Concen: 7.944 ng
 RT: 15.90 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

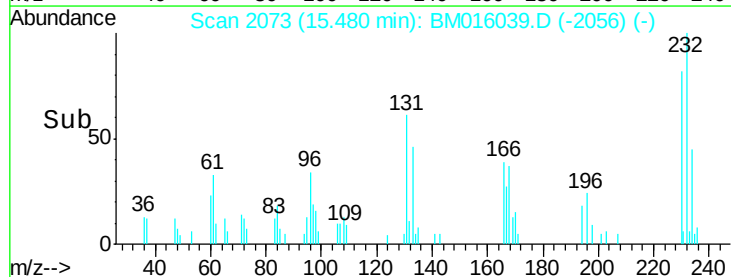
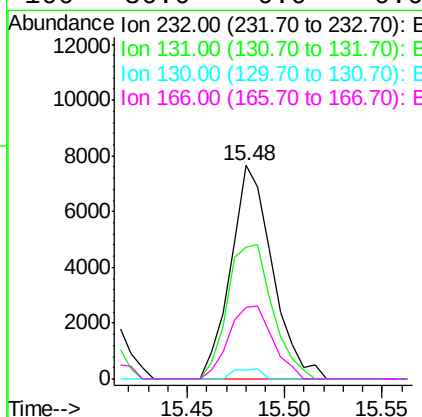
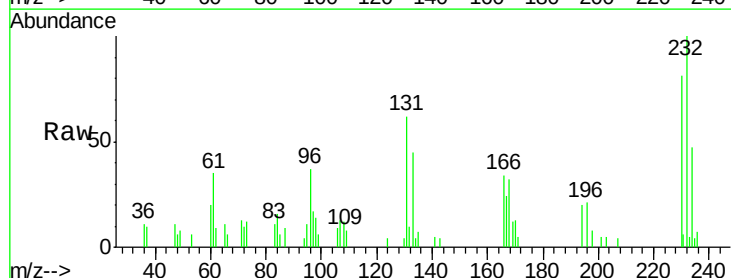
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

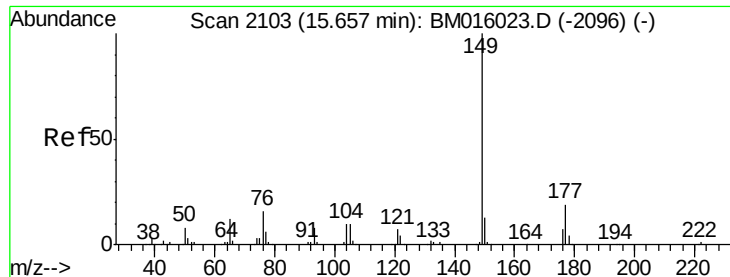
Tgt Ion:166 Resp: 49971
 Ion Ratio Lower Upper
 166 100
 165 99.9 79.0 118.4
 167 13.7 10.3 15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 7.351 ng
 RT: 15.48 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion:232 Resp: 11283
 Ion Ratio Lower Upper
 232 100
 131 68.4 0.0 0.0#
 130 3.2 0.0 0.0#
 166 36.0 0.0 0.0#

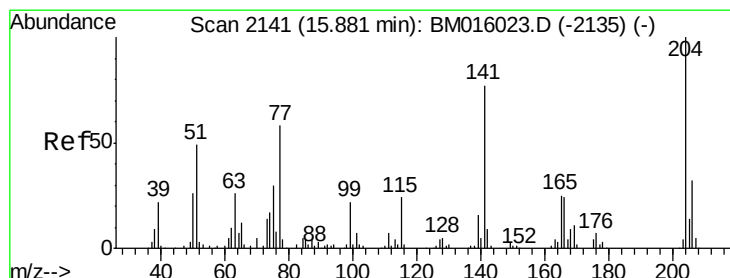
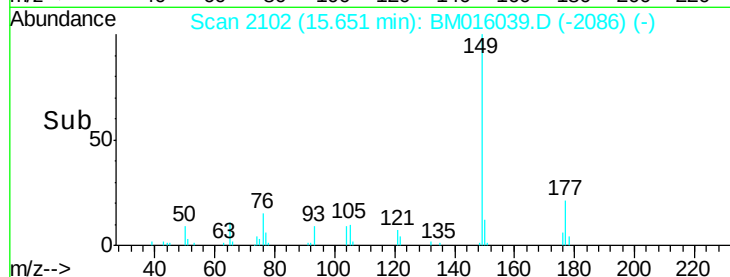
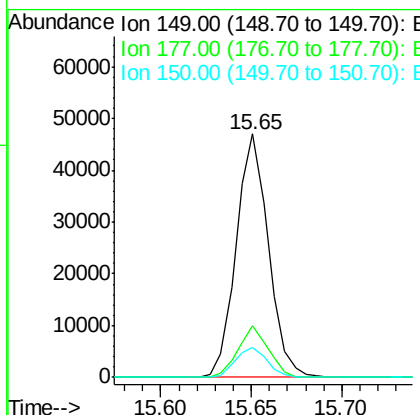
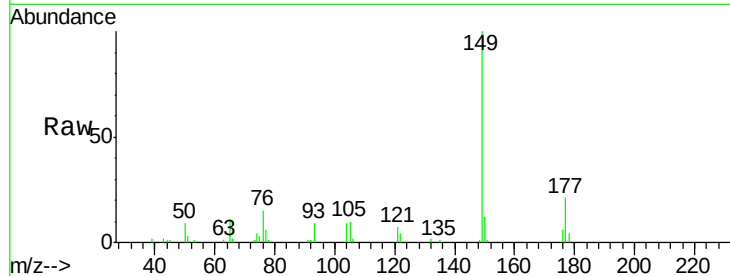




#59
Diethylphthalate
Concen: 7.539 ng
RT: 15.65 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

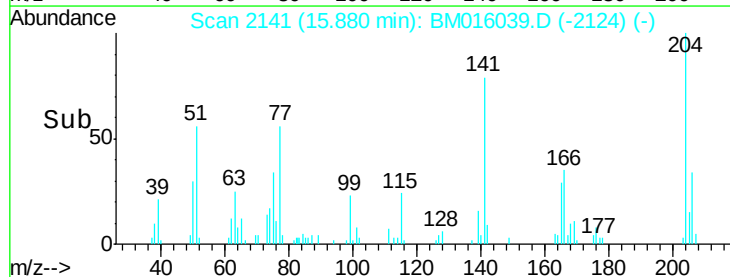
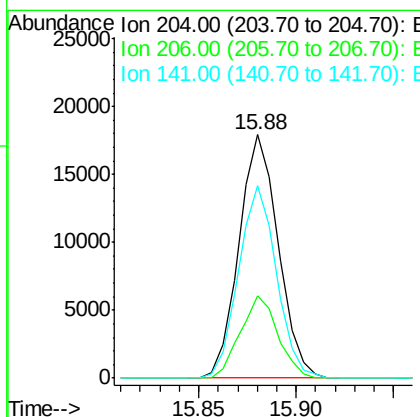
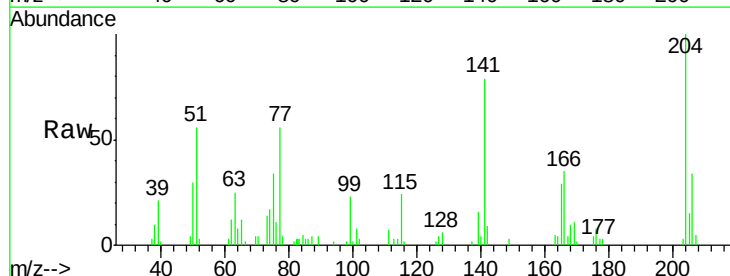
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

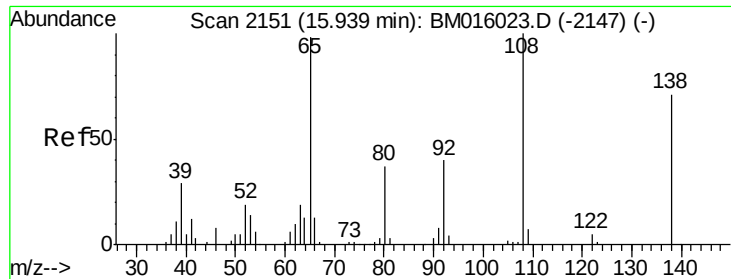
Tgt Ion:149 Resp: 57799
Ion Ratio Lower Upper
149 100
177 21.2 18.3 27.5
150 12.3 9.8 14.8



#60
4-Chlorophenyl-phenylether
Concen: 7.136 ng
RT: 15.88 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:204 Resp: 24988
Ion Ratio Lower Upper
204 100
206 34.0 26.6 39.8
141 79.2 45.2 67.8#





#61

4-Nitroaniline

Concen: 4.945 ng

RT: 15.94 min Scan# 2152

Delta R.T. 0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

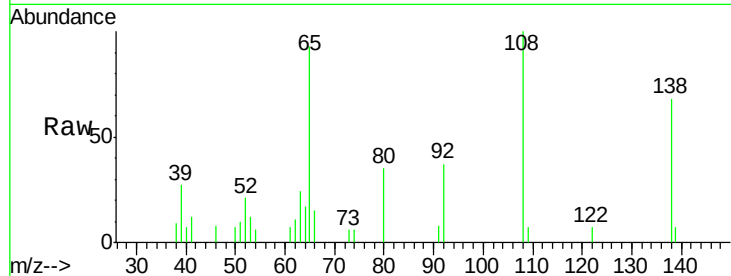
Tgt Ion:138 Resp: 7334

Ion Ratio Lower Upper

138 100

92 54.2 16.7 56.7

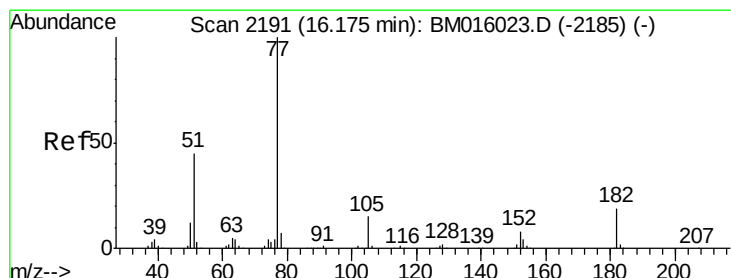
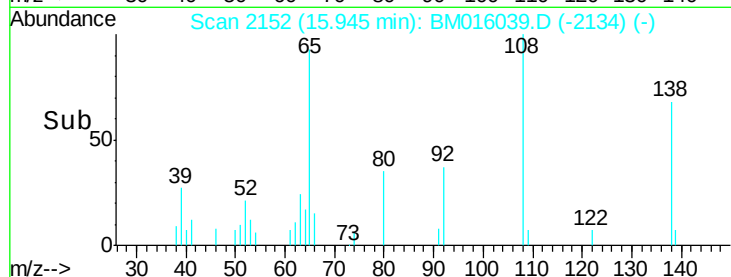
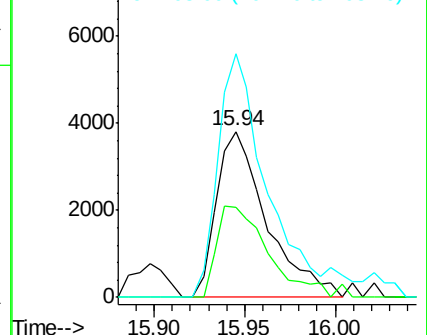
108 146.9 37.6 77.6#



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: 7.311 ng

RT: 16.17 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Tgt Ion: 77 Resp: 59030

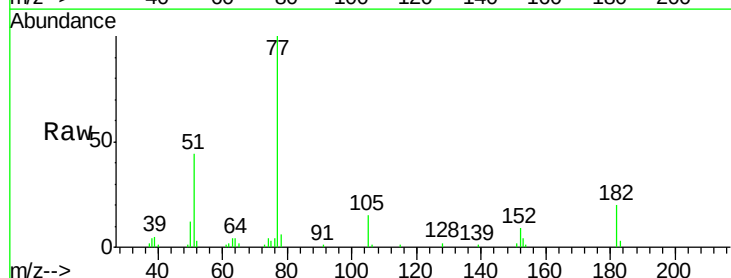
Ion Ratio Lower Upper

77 100

182 19.9 6.5 46.5

105 14.9 3.8 43.8

51 44.4 5.5 45.5

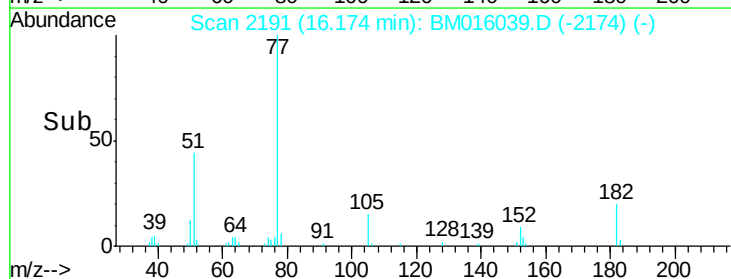
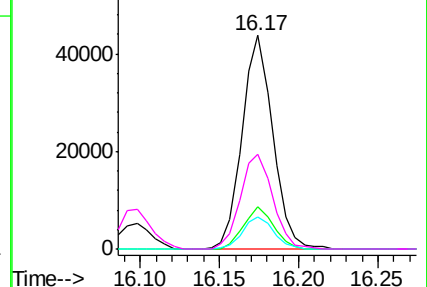


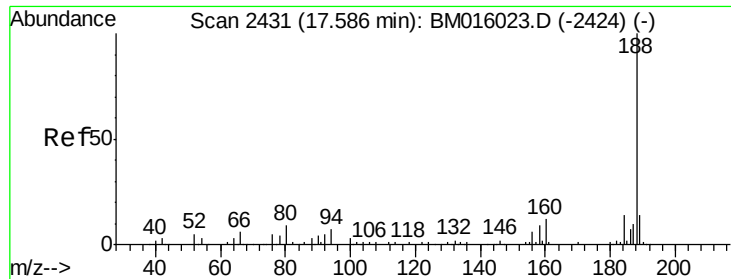
Abundance Ion 77.00 (76.70 to 77.70): BM0

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

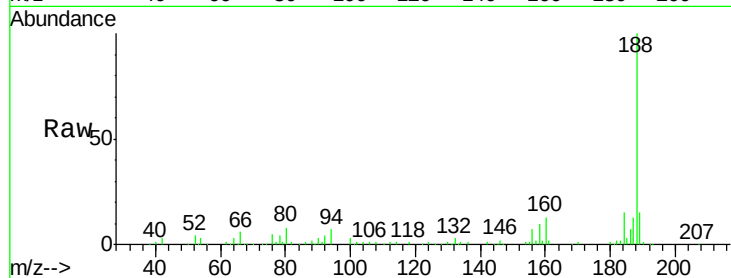




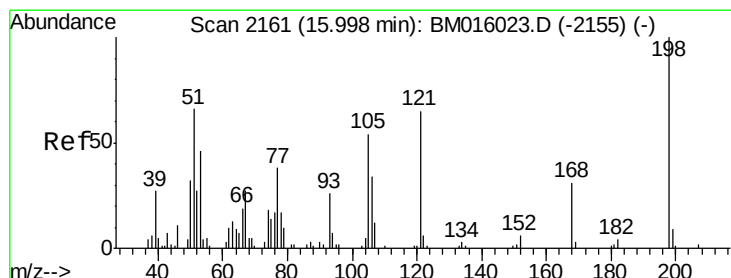
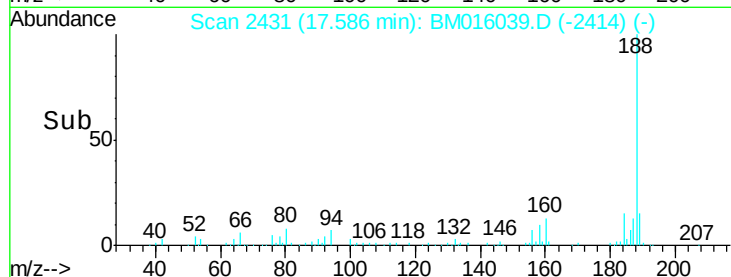
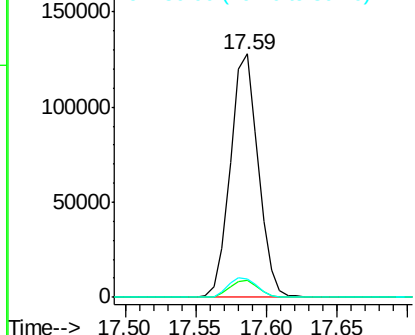
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.59 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

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

Tgt Ion:188 Resp: 176338
Ion Ratio Lower Upper
188 100
94 7.1 8.7 13.1#
80 7.6 9.3 13.9#

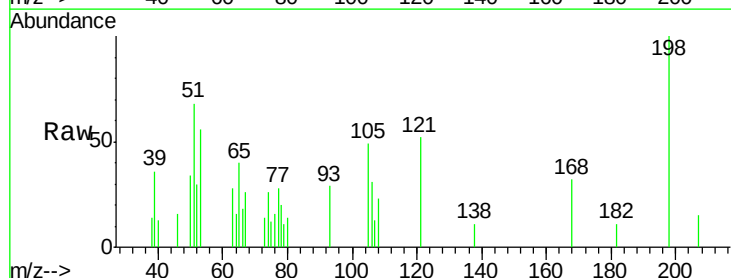


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

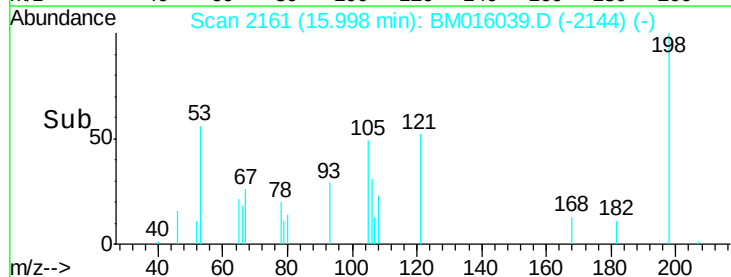
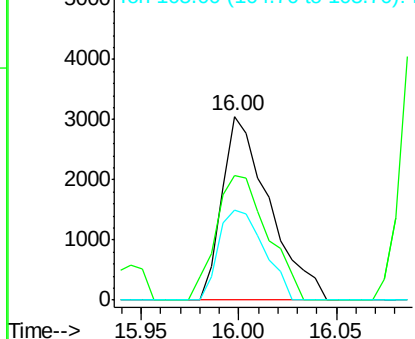


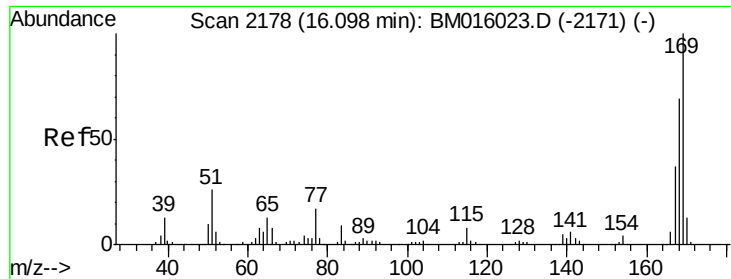
#64
4,6-Dinitro-2-methylphenol
Concen: 4.785 ng
RT: 16.00 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:198 Resp: 5121
Ion Ratio Lower Upper
198 100
51 67.5 28.8 68.8
105 49.1 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

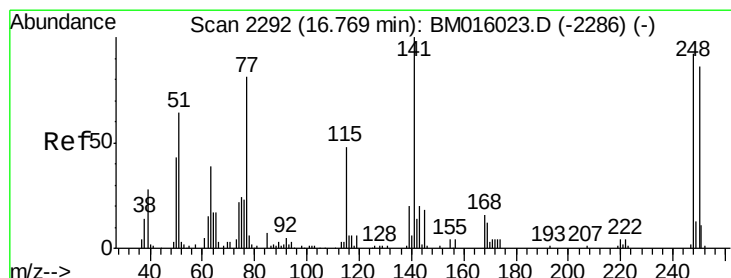
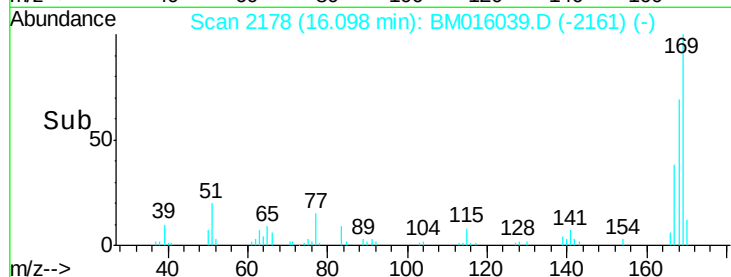
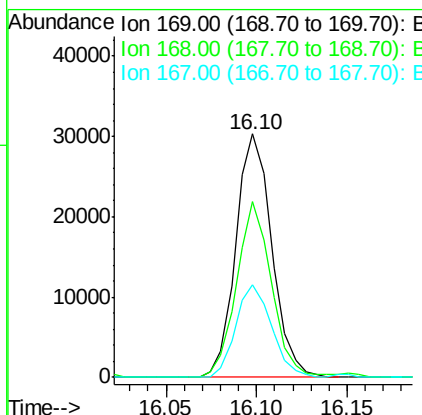
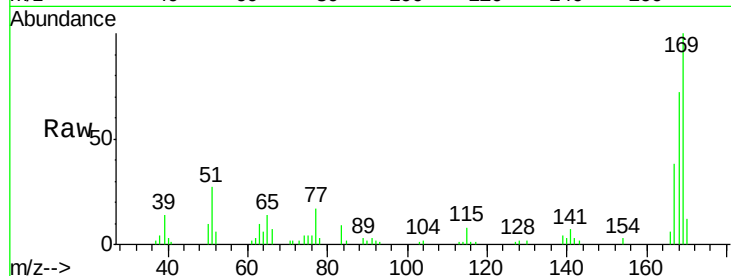




#65
n-Nitrosodiphenylamine
Concen: 7.207 ng
RT: 16.10 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

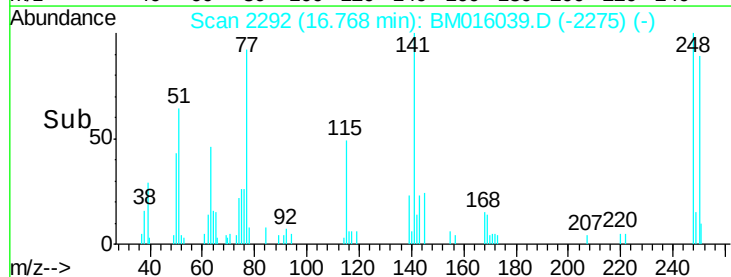
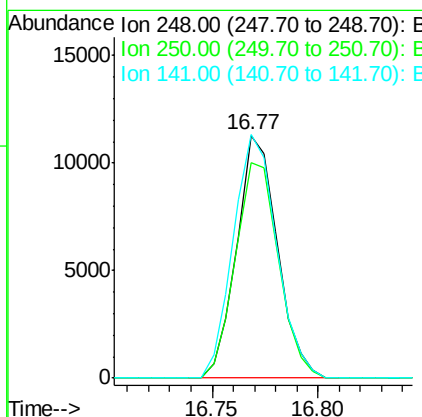
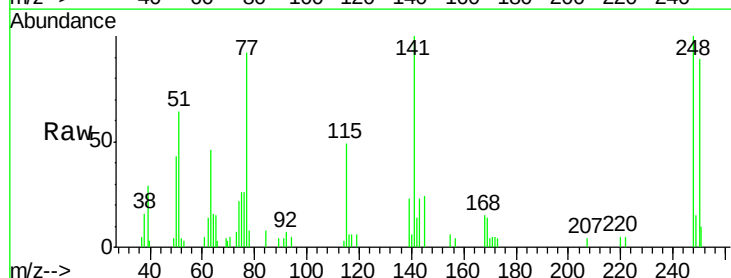
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

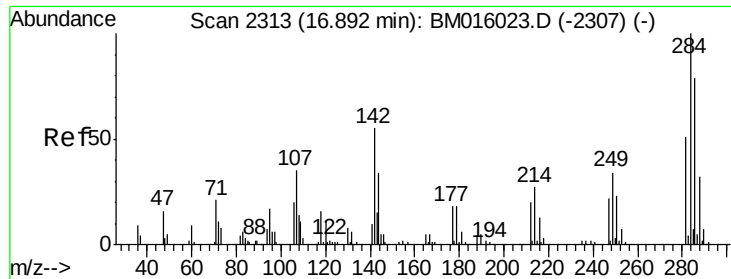
Tgt Ion:169 Resp: 41845
Ion Ratio Lower Upper
169 100
168 72.3 53.9 80.9
167 38.0 28.9 43.3



#66
4-Bromophenyl-phenylether
Concen: 7.559 ng
RT: 16.77 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:248 Resp: 15094
Ion Ratio Lower Upper
248 100
250 88.7 77.4 116.0
141 100.2 45.2 67.8#





#67

Hexachlorobenzene

Concen: 7.336 ng

RT: 16.89 min Scan# 2313

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

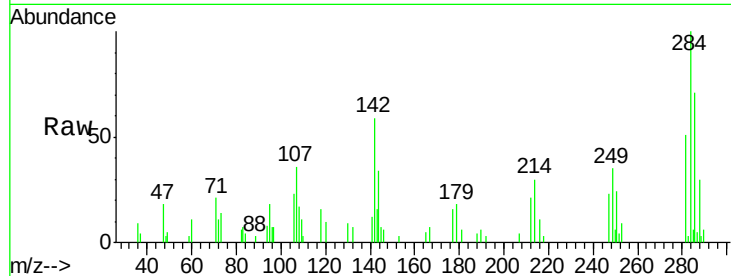
Tgt Ion:284 Resp: 16131

Ion Ratio Lower Upper

284 100

142 59.2 20.4 30.6#

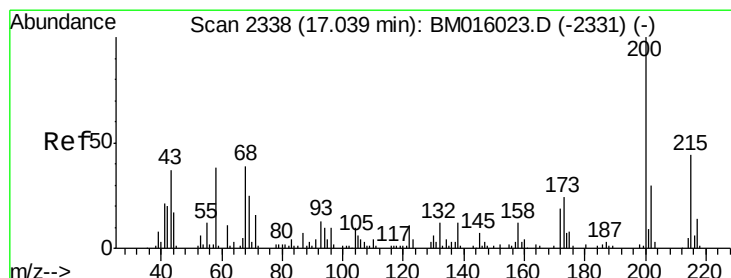
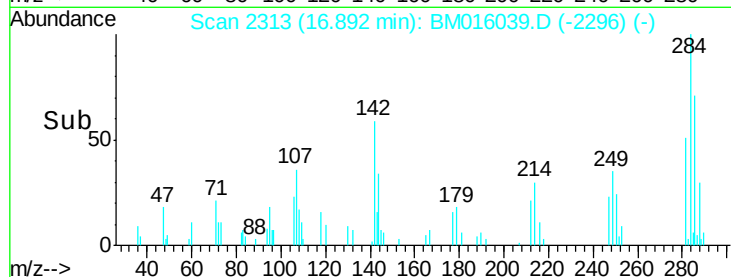
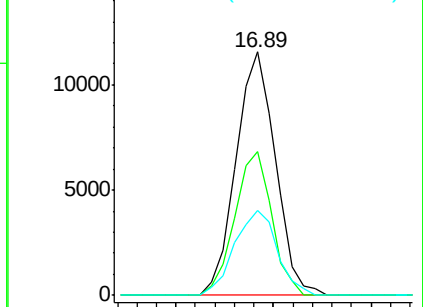
249 35.0 23.8 35.6



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: 7.014 ng

RT: 17.03 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

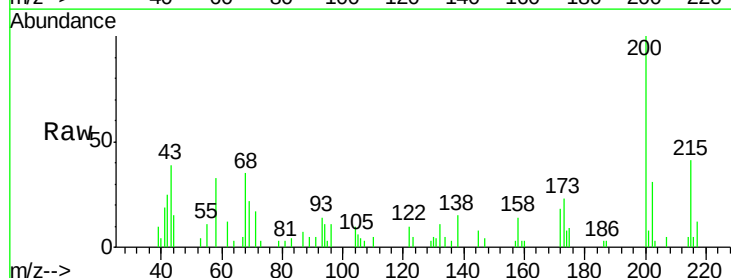
Tgt Ion:200 Resp: 14597

Ion Ratio Lower Upper

200 100

173 23.4 4.8 44.8

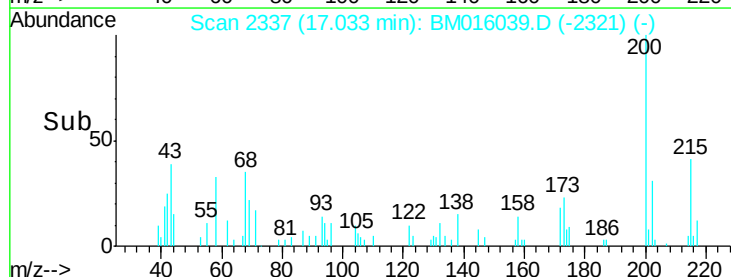
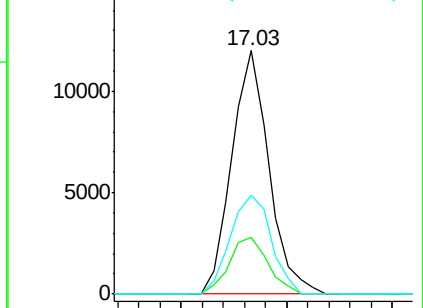
215 40.8 26.9 66.9

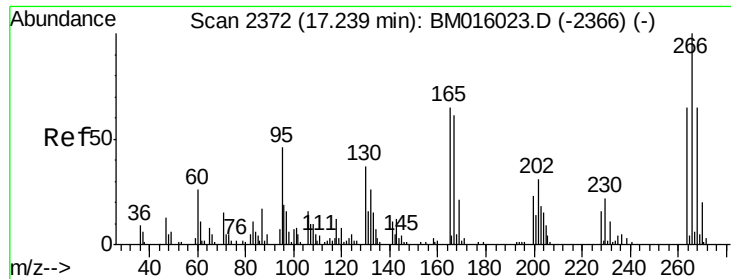


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 4.365 ng

RT: 17.24 min Scan# 2372

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

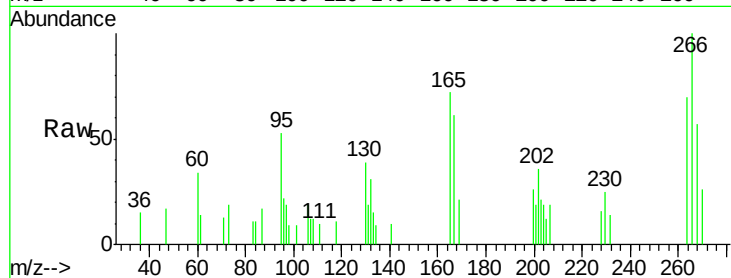
Tgt Ion:266 Resp: 5943

Ion Ratio Lower Upper

266 100

268 56.6 52.0 78.0

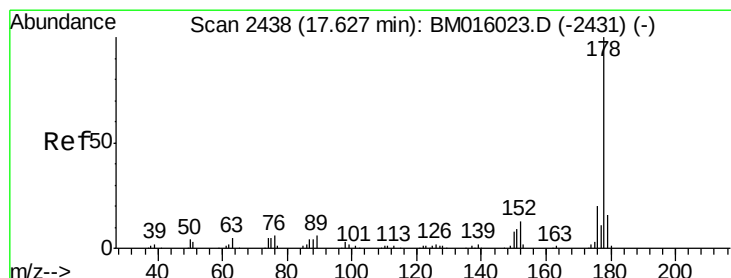
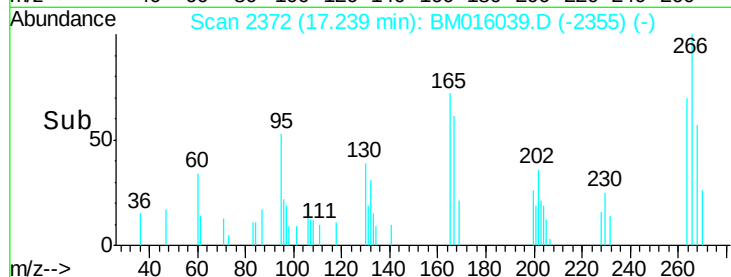
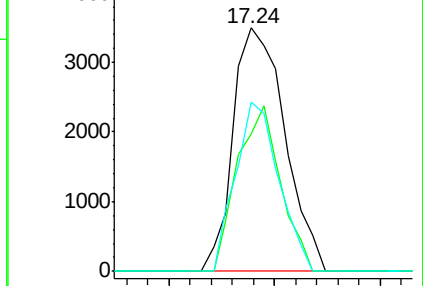
264 69.8 49.0 73.4



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: 7.952 ng

RT: 17.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

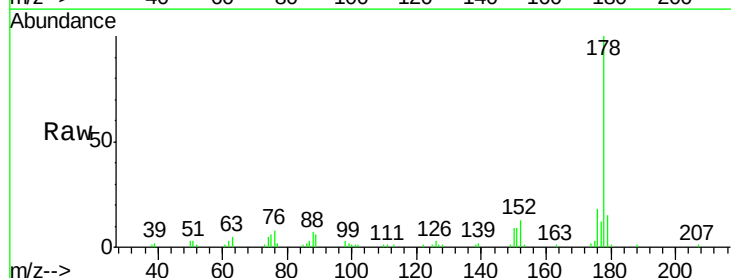
Tgt Ion:178 Resp: 78506

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

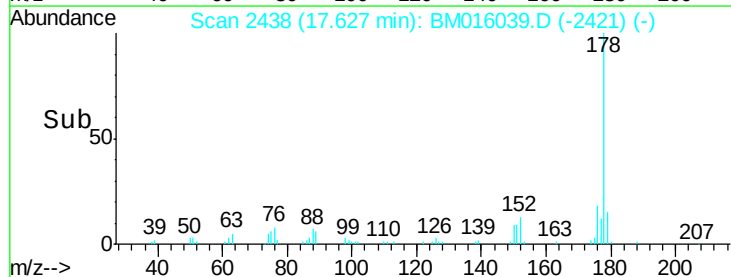
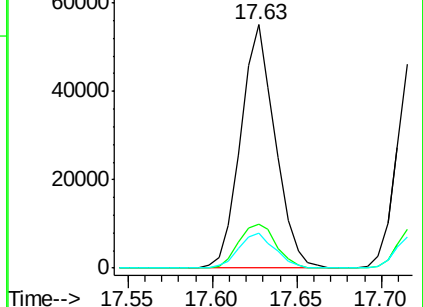
179 14.6 12.1 18.1

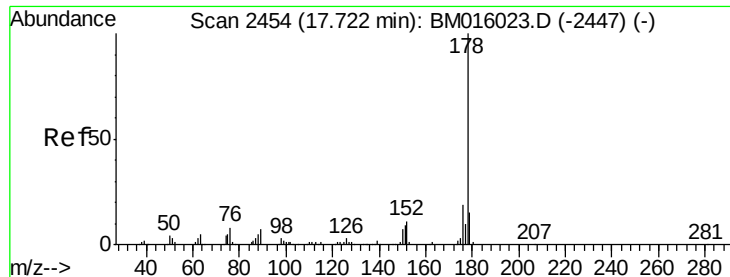


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

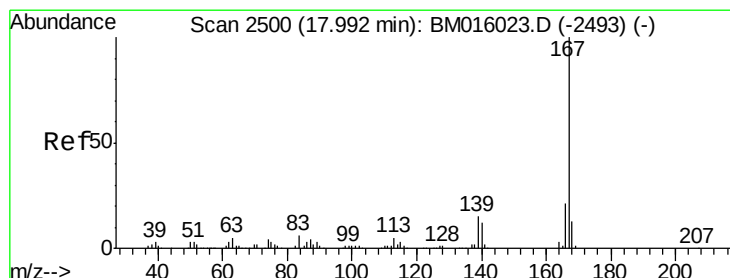
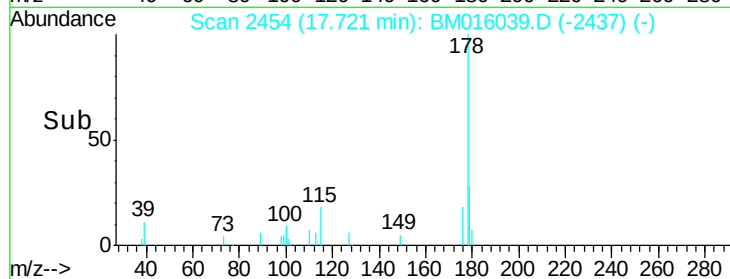
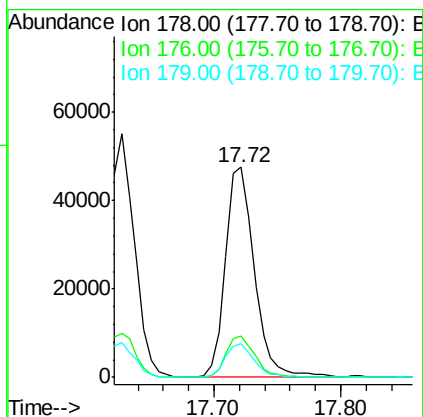
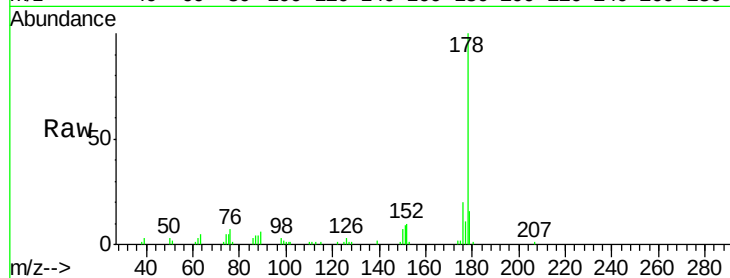




#71
 Anthracene
 Concen: 7.867 ng
 RT: 17.72 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

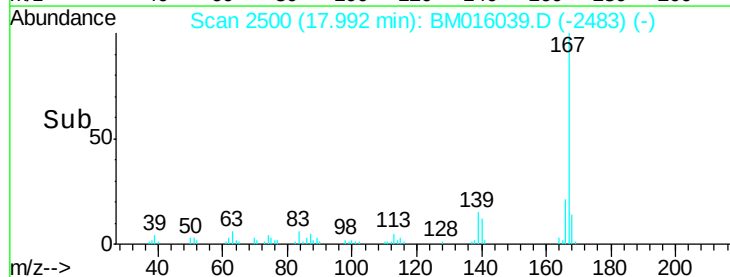
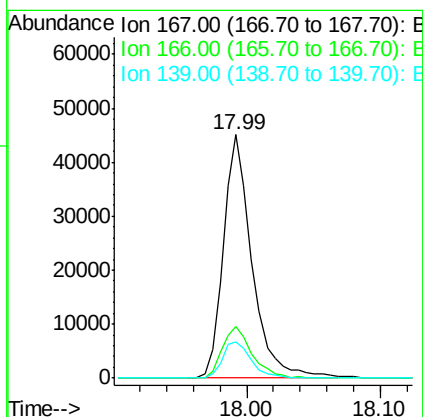
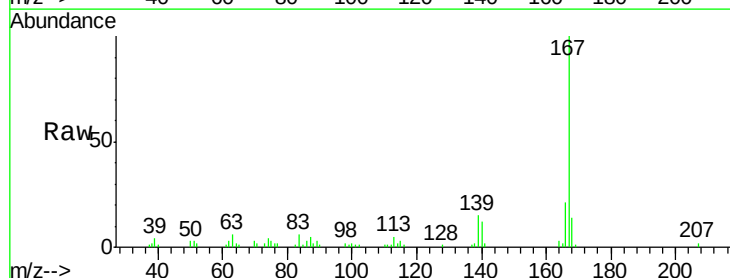
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

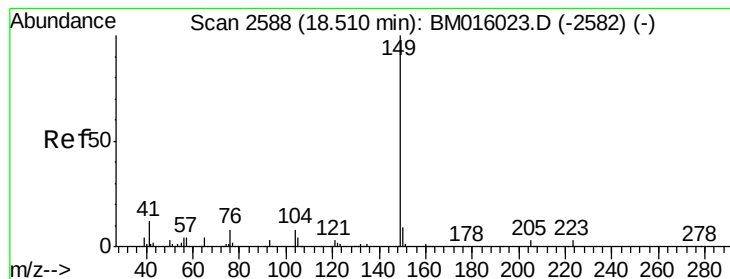
Tgt Ion:178 Resp: 75486
 Ion Ratio Lower Upper
 178 100
 176 19.8 14.6 22.0
 179 15.8 12.6 19.0



#72
 Carbazole
 Concen: 6.811 ng
 RT: 17.99 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion:167 Resp: 67706
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.2 25.8
 139 15.0 10.8 16.2





#73

Di-n-butylphthalate

Concen: 6.668 ng

RT: 18.51 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

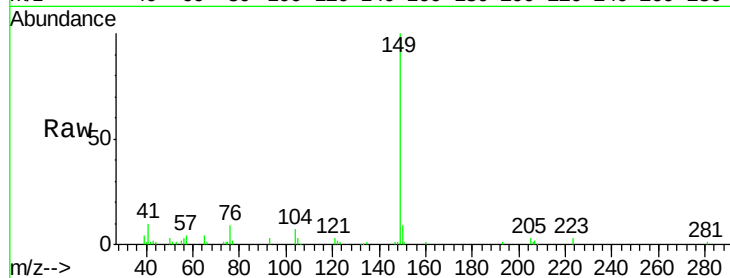
Tgt Ion:149 Resp: 82589

Ion Ratio Lower Upper

149 100

150 9.0 7.5 11.3

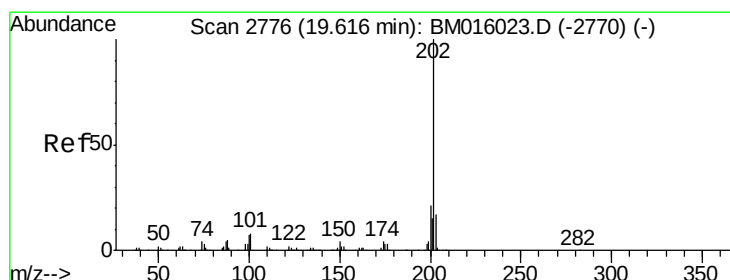
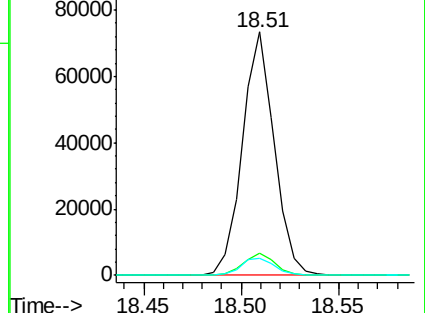
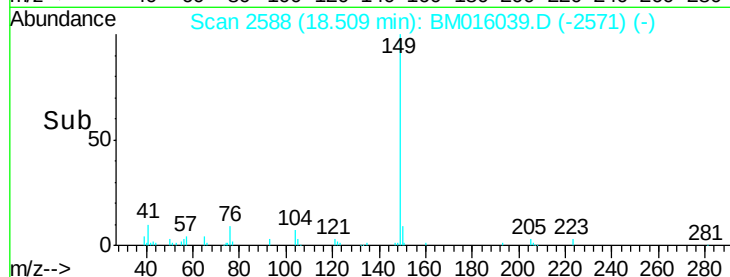
104 7.2 3.7 5.5#



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: 7.806 ng

RT: 19.62 min Scan# 2776

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

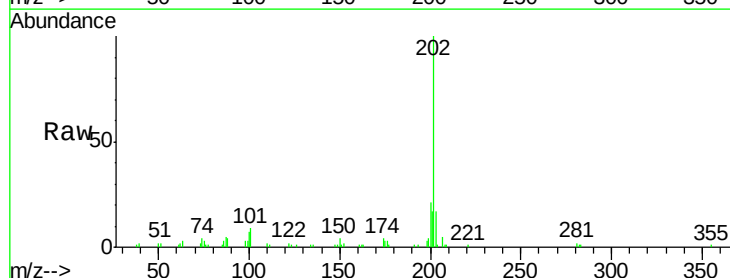
Tgt Ion:202 Resp: 85959

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.7

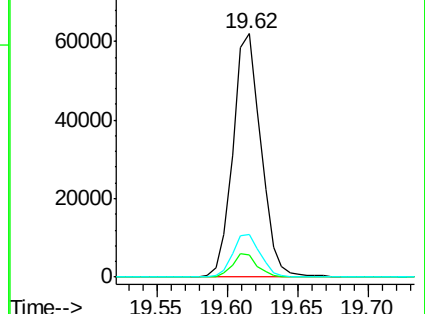
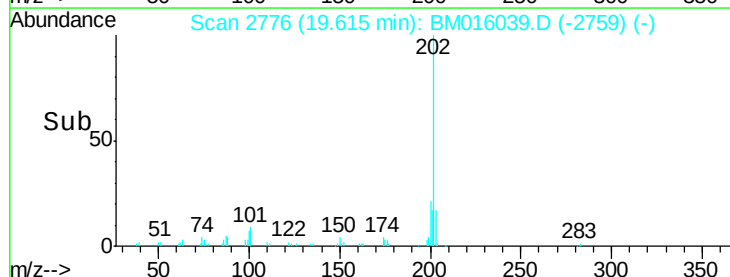
203 17.4 0.0 37.2

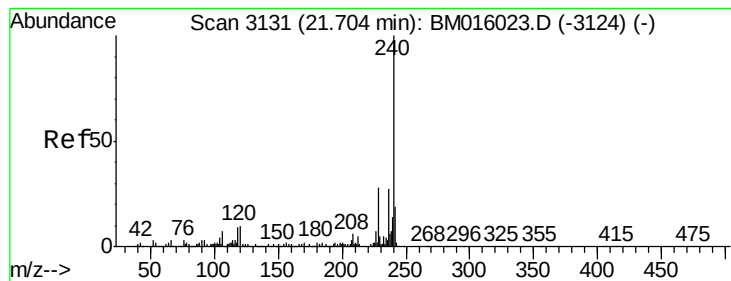


Abundance Ion 202.00 (201.70 to 202.70): E

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: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

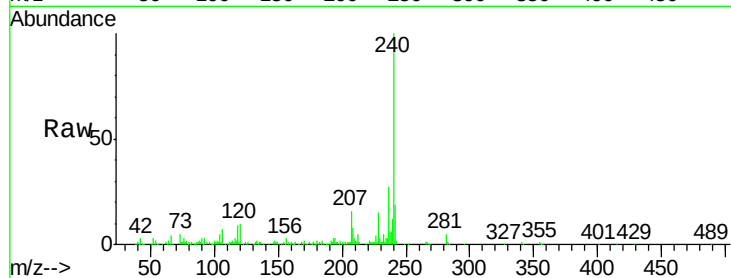
Tgt Ion:240 Resp: 195534

Ion Ratio Lower Upper

240 100

120 9.8 8.2 12.2

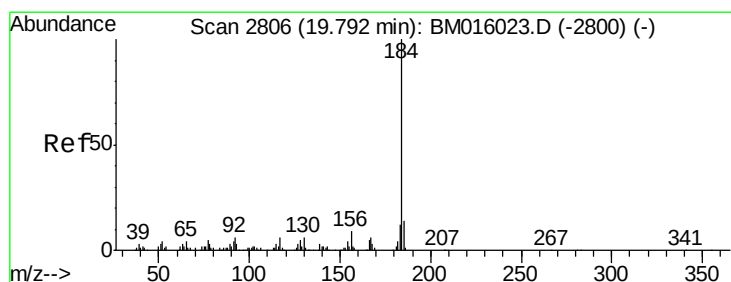
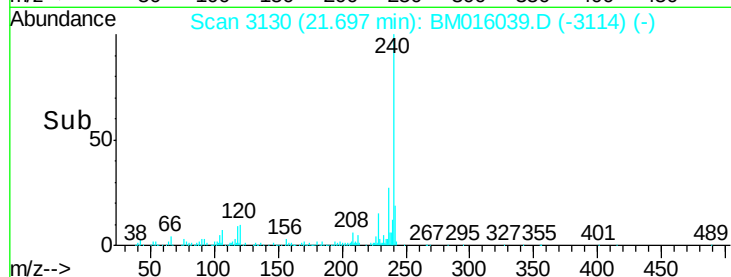
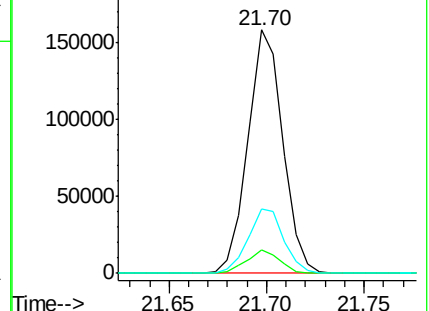
236 26.5 20.0 30.0



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: 3.624 ng

RT: 19.80 min Scan# 2807

Delta R.T. 0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

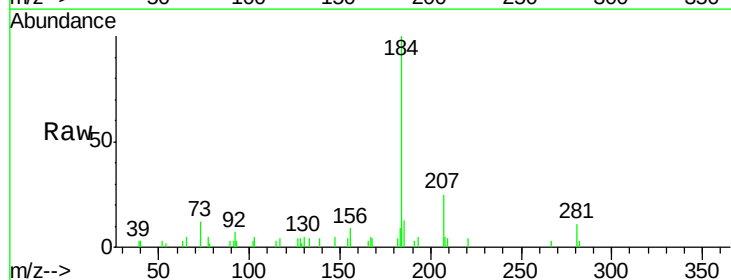
Tgt Ion:184 Resp: 19804

Ion Ratio Lower Upper

184 100

185 13.5 11.3 16.9

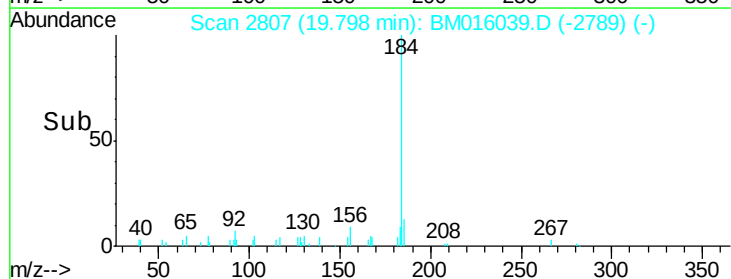
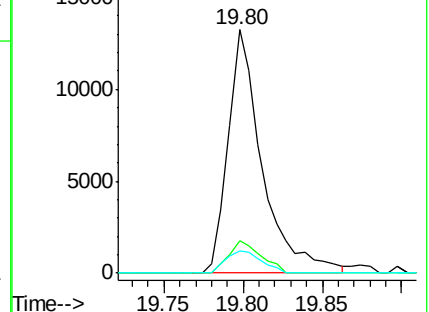
183 9.2 8.9 13.3

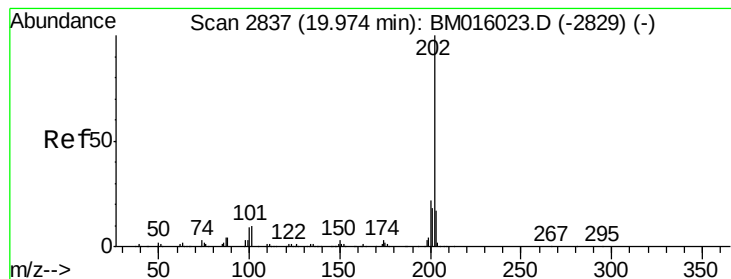


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 7.428 ng

RT: 19.97 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

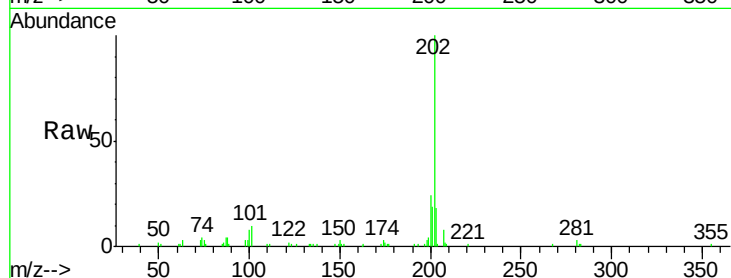
Tgt Ion:202 Resp: 87035

Ion Ratio Lower Upper

202 100

200 24.2 16.9 25.3

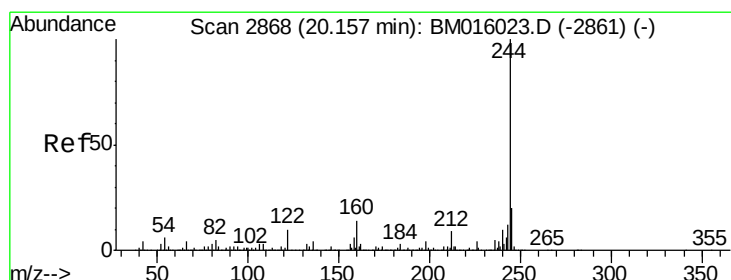
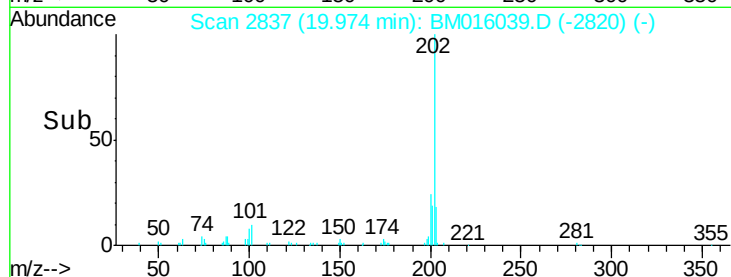
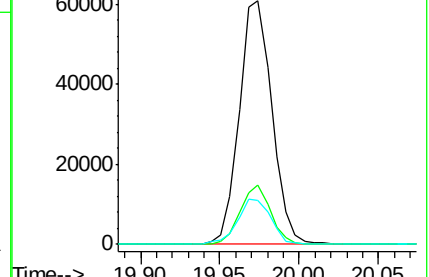
203 17.9 14.1 21.1



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: 7.428 ng

RT: 20.15 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

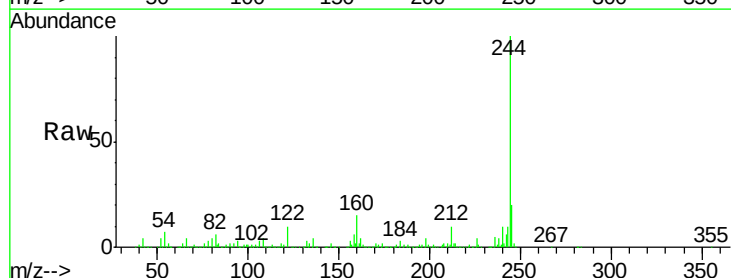
Tgt Ion:244 Resp: 1137323

Ion Ratio Lower Upper

244 100

212 9.7 4.9 7.3#

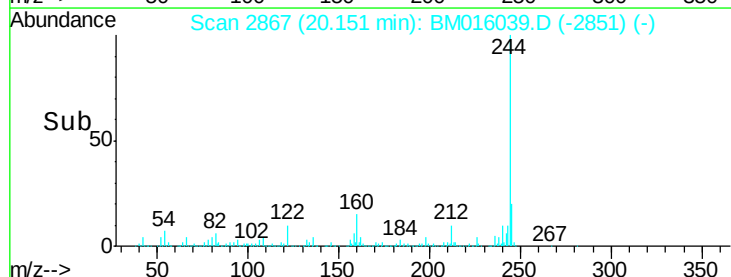
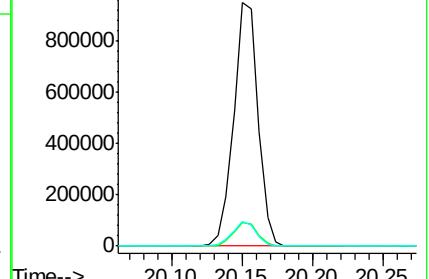
122 10.4 6.2 9.4#

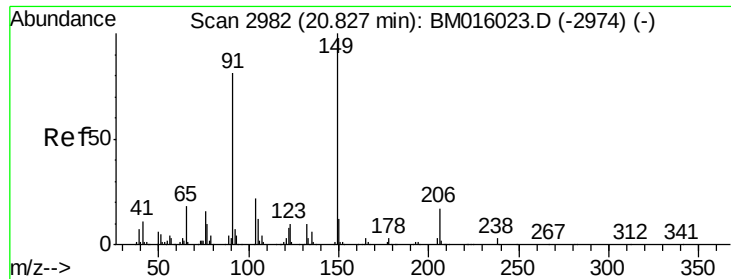


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

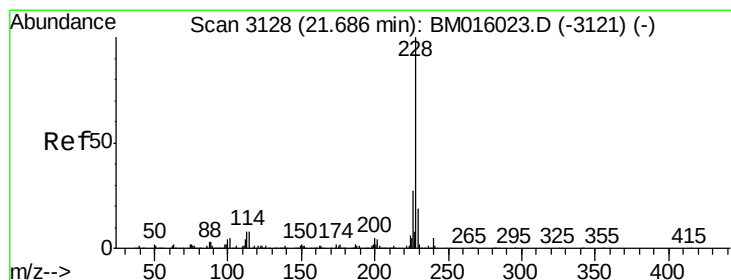
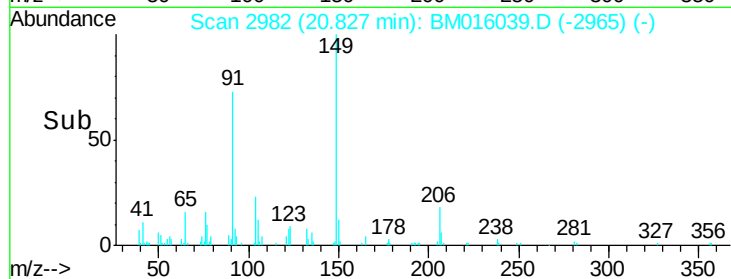
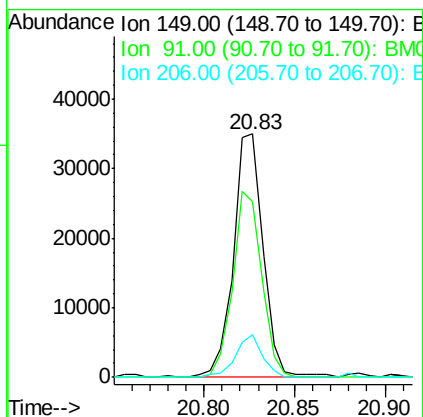
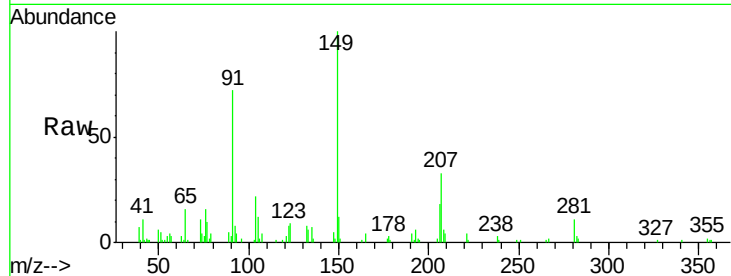




#79
Butylbenzylphthalate
Concen: 6.743 ng
RT: 20.83 min Scan# 2982
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

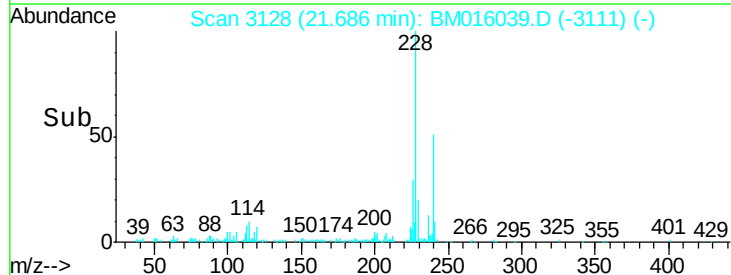
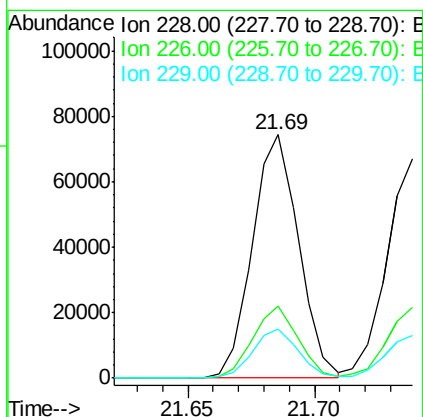
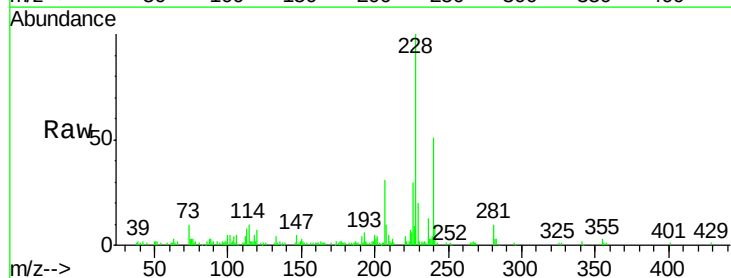
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

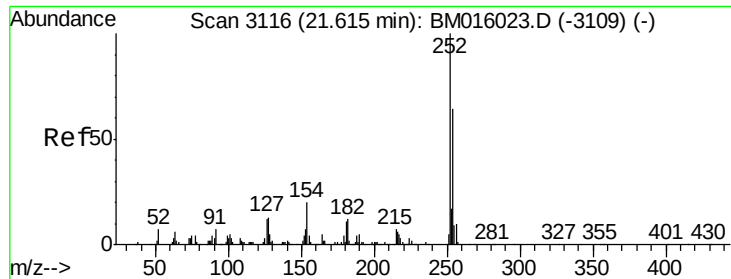
Tgt Ion:149 Resp: 40141
Ion Ratio Lower Upper
149 100
91 72.1 50.1 75.1
206 17.6 16.2 24.2



#80
Benzo(a)anthracene
Concen: 7.822 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:228 Resp: 94199
Ion Ratio Lower Upper
228 100
226 29.7 21.7 32.5
229 20.0 16.0 24.0

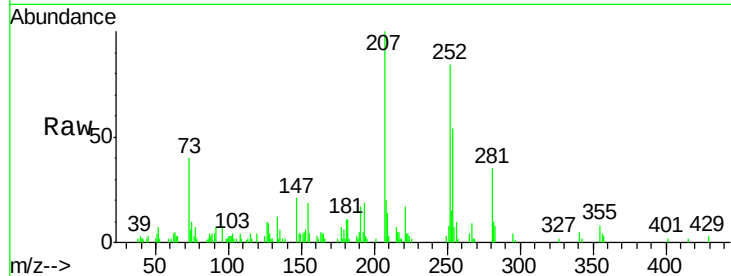




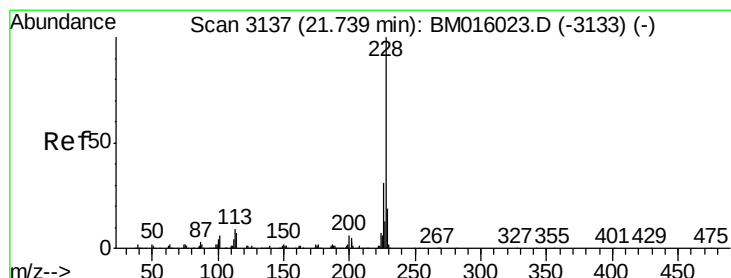
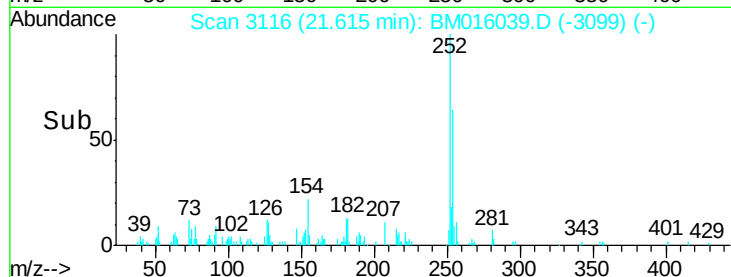
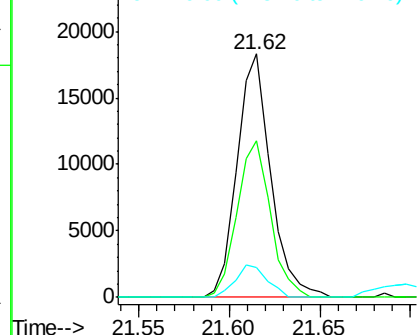
#81
 3,3'-Dichlorobenzidine
 Concen: 4.872 ng
 RT: 21.62 min Scan# 3116
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

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

Tgt Ion: 252 Resp: 23632
 Ion Ratio Lower Upper
 252 100
 254 64.4 51.9 77.9
 126 12.1 9.8 14.8

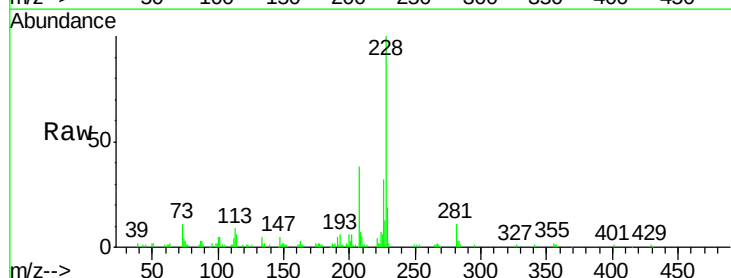


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

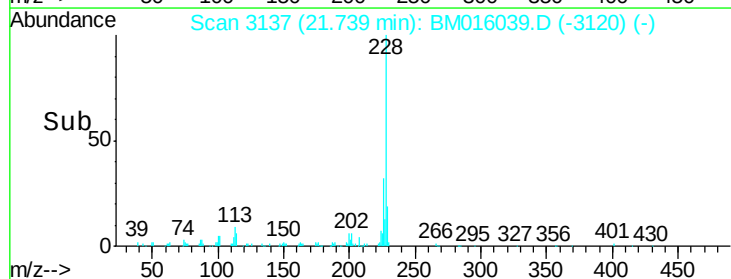
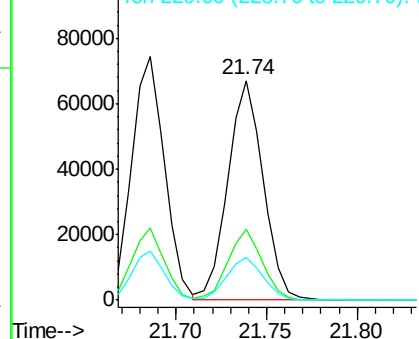


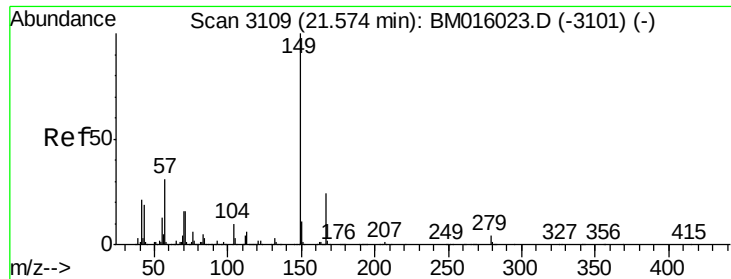
#82
 Chrysene
 Concen: 7.857 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BM016039.D
 Acq: 23 Jul 2018 23:18

Tgt Ion: 228 Resp: 90772
 Ion Ratio Lower Upper
 228 100
 226 32.3 24.1 36.1
 229 19.4 15.5 23.3



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.392 ng

RT: 21.57 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

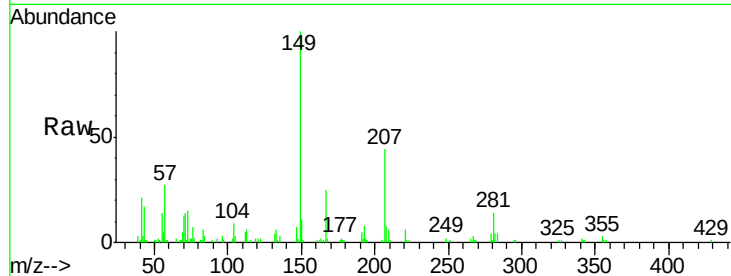
Tgt Ion:149 Resp: 55147

Ion Ratio Lower Upper

149 100

167 24.9 22.4 33.6

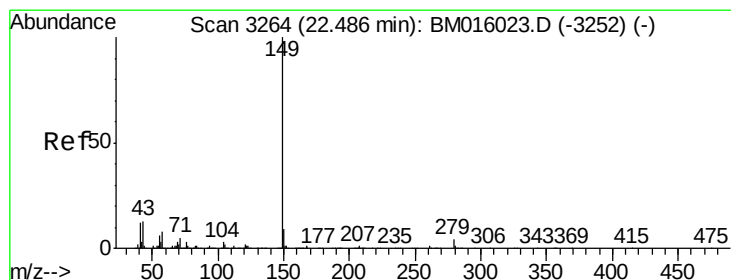
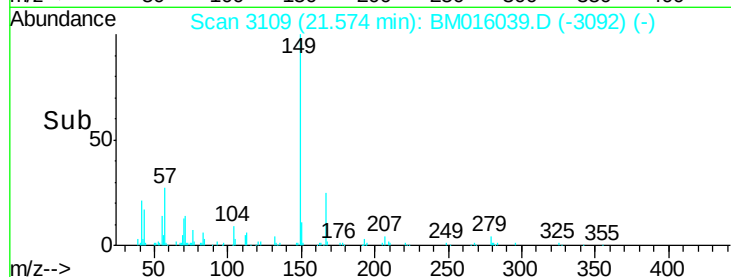
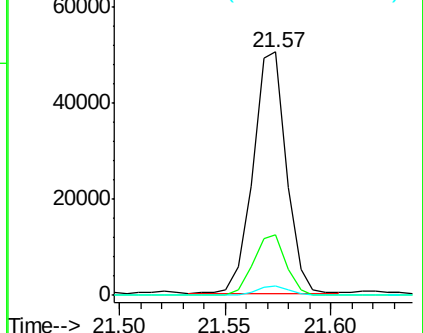
279 3.7 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 6.636 ng

RT: 22.48 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

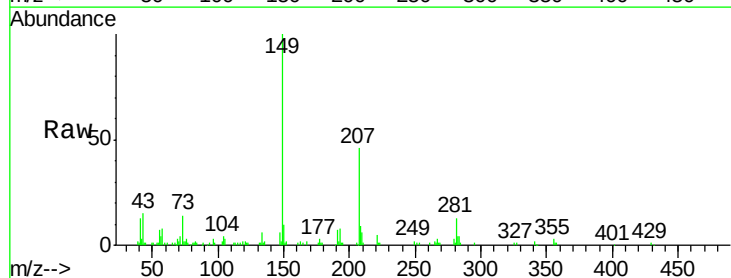
Tgt Ion:149 Resp: 96224

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

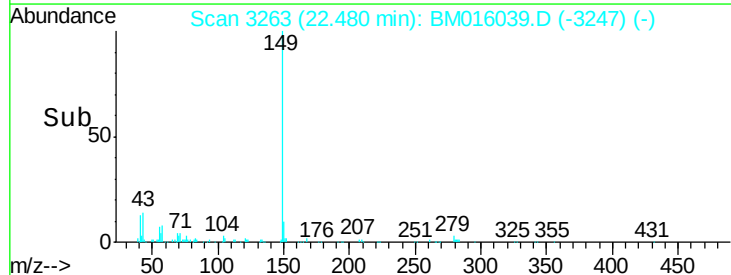
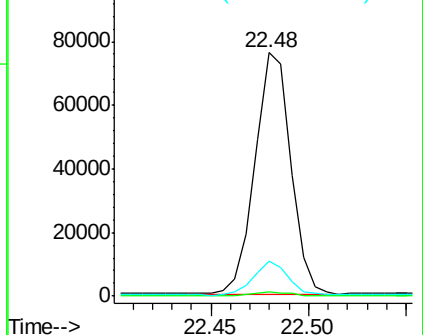
43 13.3 7.3 10.9#

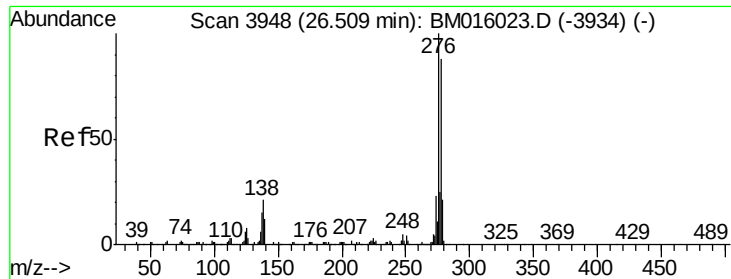


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.190 ng

RT: 26.50 min Scan# 3946

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

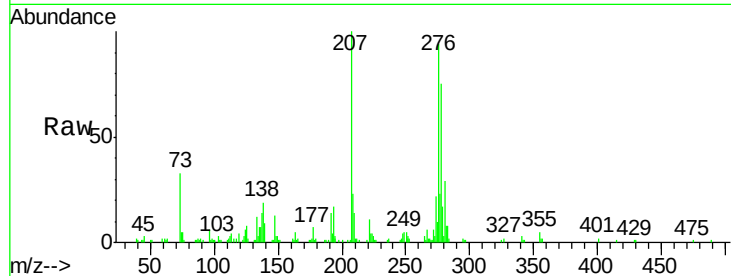
Instrument :

BNA_M

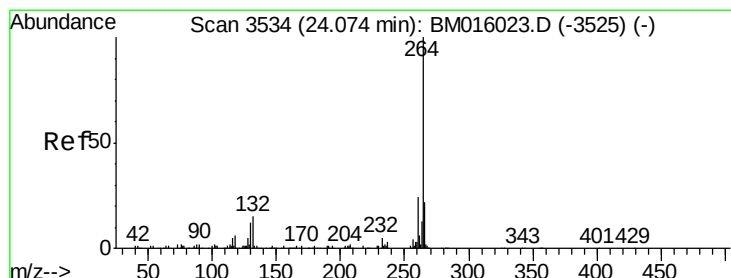
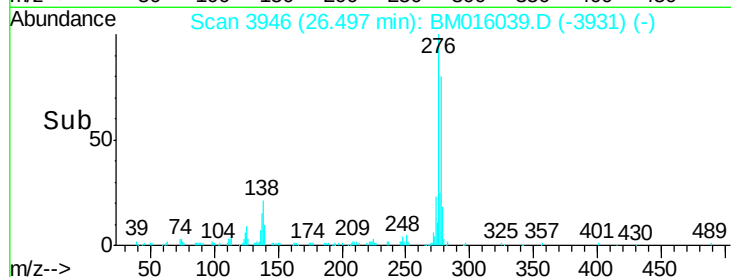
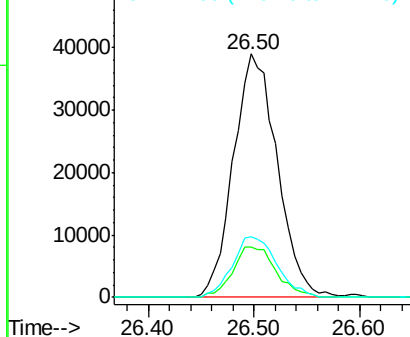
ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:	276	Resp:	112280
Ion Ratio		Lower	Upper
276	100		
138	20.4	12.0	18.0#
277	25.3	20.0	30.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

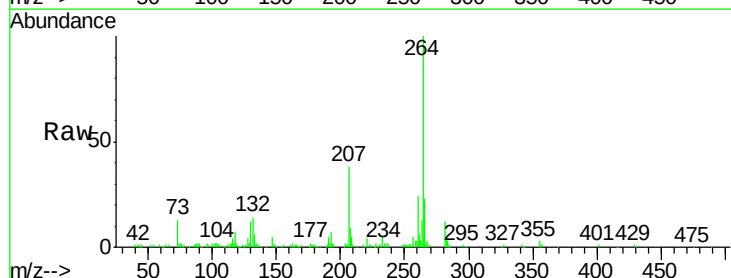
RT: 24.07 min Scan# 3534

Delta R.T. -0.00 min

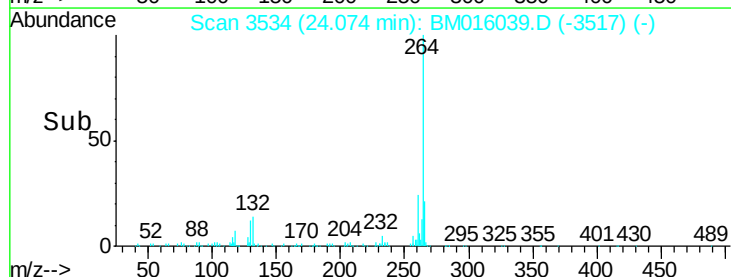
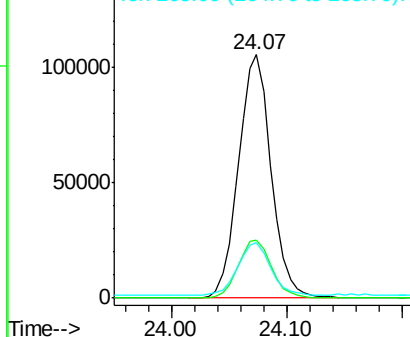
Lab File: BM016039.D

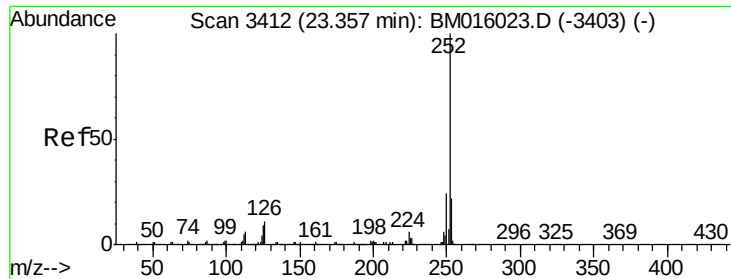
Acq: 23 Jul 2018 23:18

Tgt Ion:	264	Resp:	206689
Ion Ratio		Lower	Upper
264	100		
260	23.8	18.6	27.8
265	22.6	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

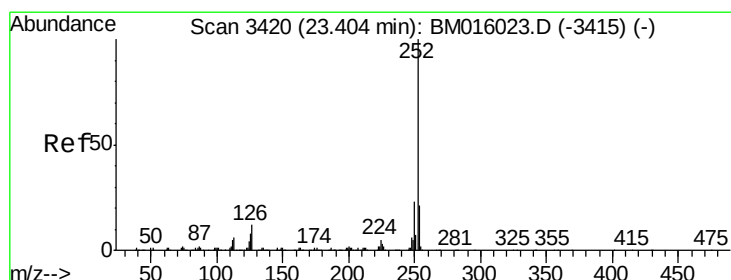
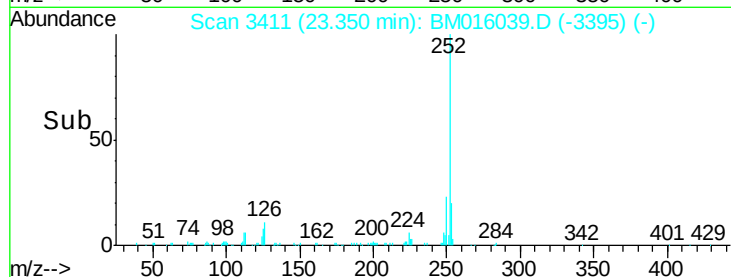
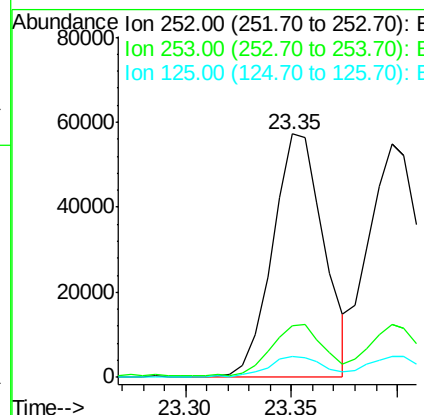
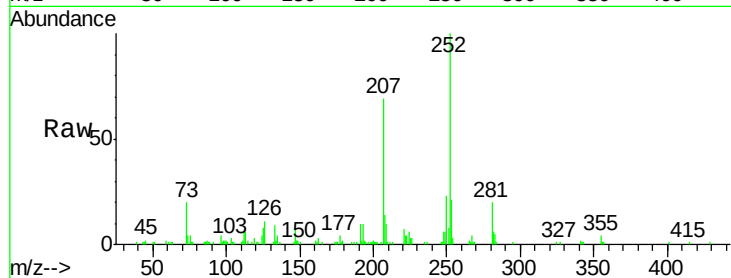




#87
Benzo(b)fluoranthene
Concen: 7.949 ng
RT: 23.35 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

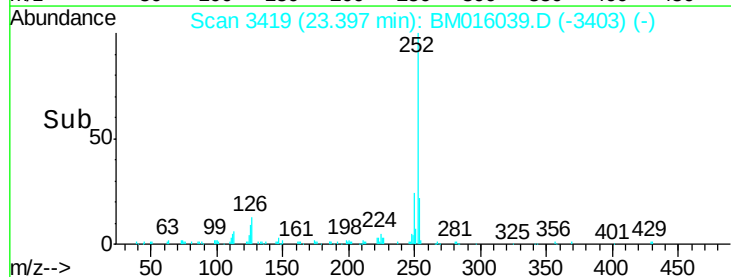
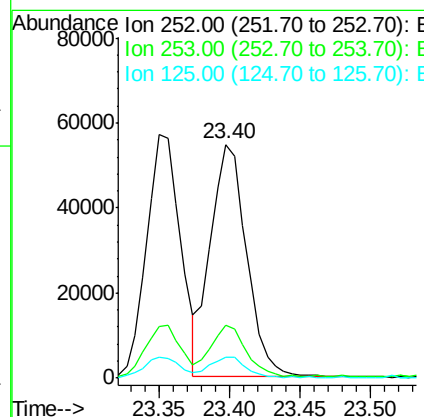
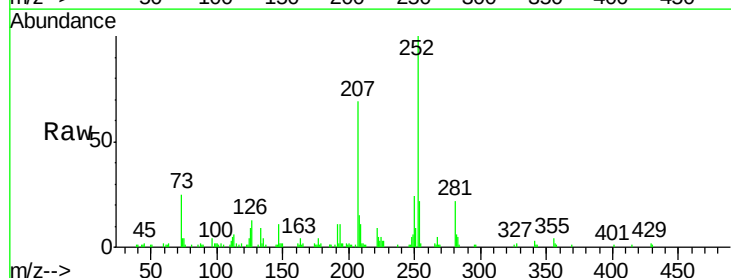
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

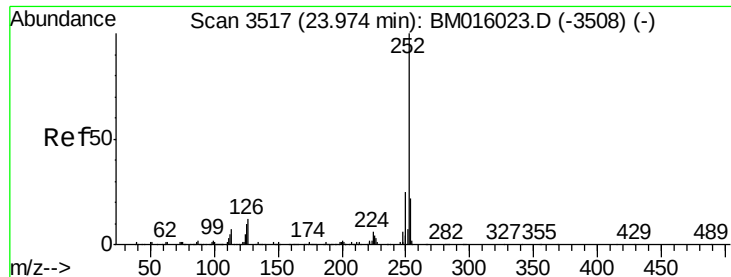
Tgt Ion:252 Resp: 96740
Ion Ratio Lower Upper
252 100
253 21.2 18.0 27.0
125 8.3 9.9 14.9#



#88
Benzo(k)fluoranthene
Concen: 7.868 ng
RT: 23.40 min Scan# 3419
Delta R.T. -0.01 min
Lab File: BM016039.D
Acq: 23 Jul 2018 23:18

Tgt Ion:252 Resp: 97038
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 8.7 8.1 12.1





#89

Benzo(a)pyrene

Concen: 7.904 ng

RT: 23.97 min Scan# 3516

Delta R.T. -0.01 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

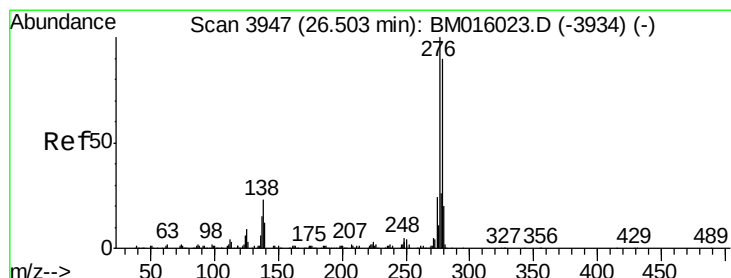
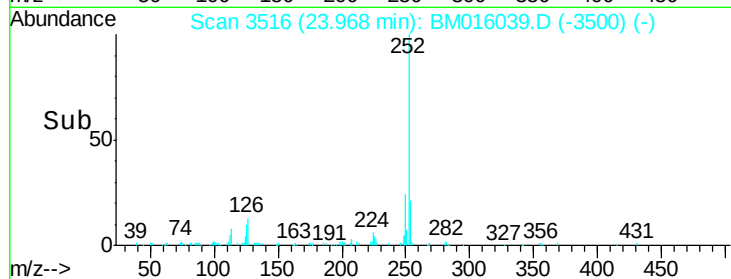
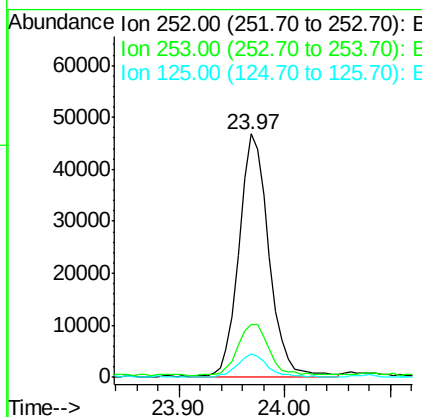
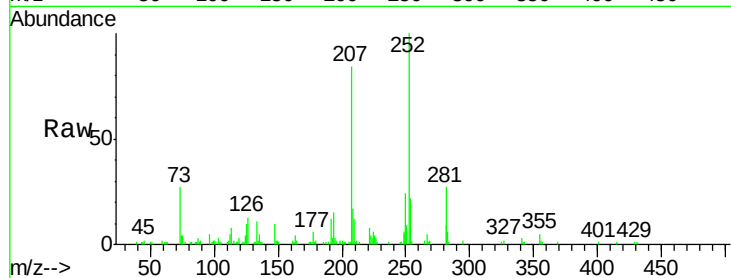
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:	252	Resp:	92472
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.6	26.4
125	9.7	7.4	11.2



#90

Dibenzo(a,h)anthracene

Concen: 7.934 ng

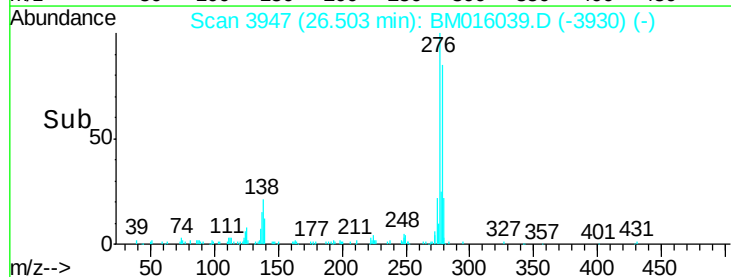
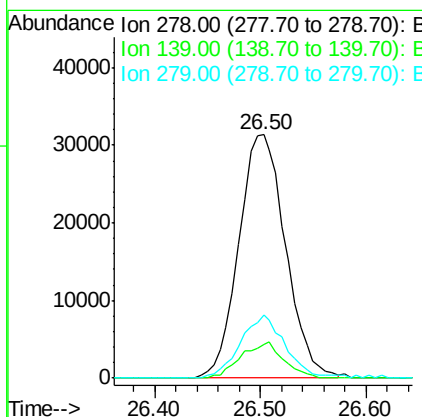
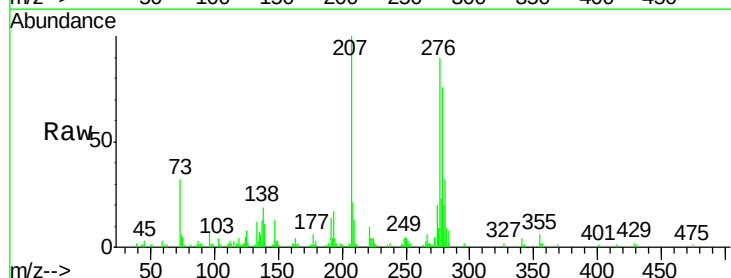
RT: 26.50 min Scan# 3947

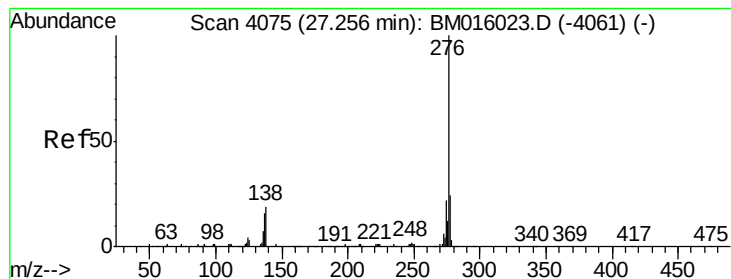
Delta R.T. -0.00 min

Lab File: BM016039.D

Acq: 23 Jul 2018 23:18

Tgt Ion:	278	Resp:	96173
Ion Ratio	Lower	Upper	
278	100		
139	14.1	13.4	20.0
279	25.9	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 8.118 ng

RT: 27.26 min Scan# 4075

Delta R.T. -0.00 min

Lab File: BM016039.D

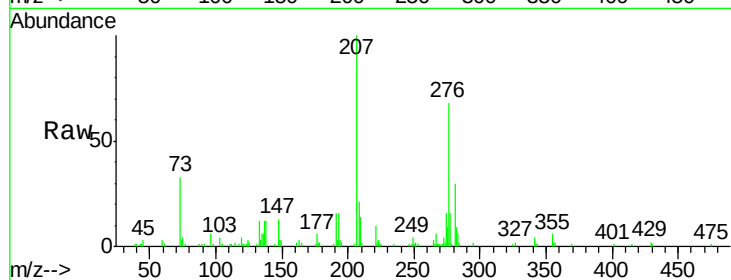
Acq: 23 Jul 2018 23:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018



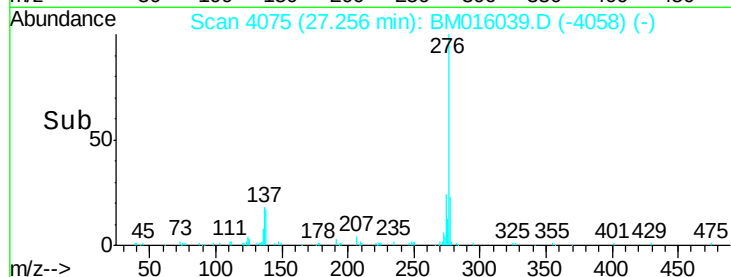
Tgt Ion: 276 Resp: 93069

Ion Ratio Lower Upper

276 100

277 22.9 18.5 27.7

138 17.3 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

