

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016031.D
 Acq On : 23 Jul 2018 18:23
 Operator : SJ/JU
 Sample : J3762-01
 Misc : LOD 1 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Quant Time: Jul 24 06:03:18 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	40251	20.00	ng	0.00
21) Naphthalene-d8	11.06	136	142623	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	76755	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	164263	20.00	ng	0.00
75) Chrysene-d12	21.70	240	178978	20.00	ng	0.00
86) Perylene-d12	24.07	264	194935	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.74	112	296227	122.25	ng	0.00
7) Phenol-d6	7.39	99	372953	117.86	ng	0.00
23) Nitrobenzene-d5	9.42	82	286613	93.47	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	123975	127.35	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	554371	87.88	ng	0.00
78) Terphenyl-d14	20.16	244	1040016	121.64	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	663	0.584	ng	# 100
4) n-Nitrosodimethylamine	3.98	42	135	0.063	ng	# 1
6) Aniline	7.57	93	1099	0.302	ng	# 74
8) 2-Chlorophenol	7.79	128	2036	0.707	ng	# 24
9) Benzaldehyde	7.38	77	1036	0.466	ng	# 2
10) Phenol	7.41	94	2563	0.810	ng	# 1
11) bis(2-Chloroethyl)ether	7.66	93	1667	0.667	ng	# 66
12) 1,3-Dichlorobenzene	8.13	146	2303	0.683	ng	# 91
13) 1,4-Dichlorobenzene	8.27	146	2459	0.719	ng	# 92
14) 1,2-Dichlorobenzene	8.59	146	2494	0.746	ng	# 88
15) Benzyl Alcohol	8.55	79	6243	2.478	ng	# 46
16) 2,2'-oxybis(1-Chloropropan	8.77	45	2857	0.747	ng	# 66
17) 2-Methylphenol	8.72	107	1183	0.547	ng	# 63
18) Hexachloroethane	9.31	117	1191	0.806	ng	# 86
19) n-Nitroso-di-n-propylamine	9.05	70	1095	0.473	ng	# 74
20) 3+4-Methylphenols	9.06	107	399	0.128	ng	# 19
22) Acetophenone	9.11	105	2529	0.704	ng	# 60
24) Nitrobenzene	9.46	77	2818	0.913	ng	# 72
25) Isophorone	9.99	82	3253	0.776	ng	# 62
27) 2,4-Dimethylphenol	10.25	122	1000	0.557	ng	# 88
28) bis(2-Chloroethoxy)methane	10.48	93	1438	0.527	ng	# 88
29) 2,4-Dichlorophenol	10.77	162	498	0.233	ng	# 26
30) 1,2,4-Trichlorobenzene	10.93	180	2045	0.789	ng	# 91
31) Naphthalene	11.11	128	6387	0.885	ng	# 95
34) Hexachlorobutadiene	11.36	225	1444	0.803	ng	# 95
36) 4-Chloro-3-methylphenol	12.38	107	807	0.344	ng	# 77
37) 2-Methylnaphthalene	12.71	142	4021	0.832	ng	# 73
39) 1,2,4,5-Tetrachlorobenzene	13.07	216	1787	0.684	ng	# 100
42) 2,4,6-Trichlorophenol	13.32	196	628	0.384	ng	# 81
43) 2,4,5-Trichlorophenol	13.43	196	356	0.211	ng	# 75
45) 1,1'-Biphenyl	13.70	154	6022	0.869	ng	# 93
46) 2-Chloronaphthalene	13.75	162	4268	0.792	ng	# 91
48) Acenaphthylene	14.59	152	6041	0.766	ng	# 95
49) Dimethylphthalate	14.31	163	5087	0.757	ng	# 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

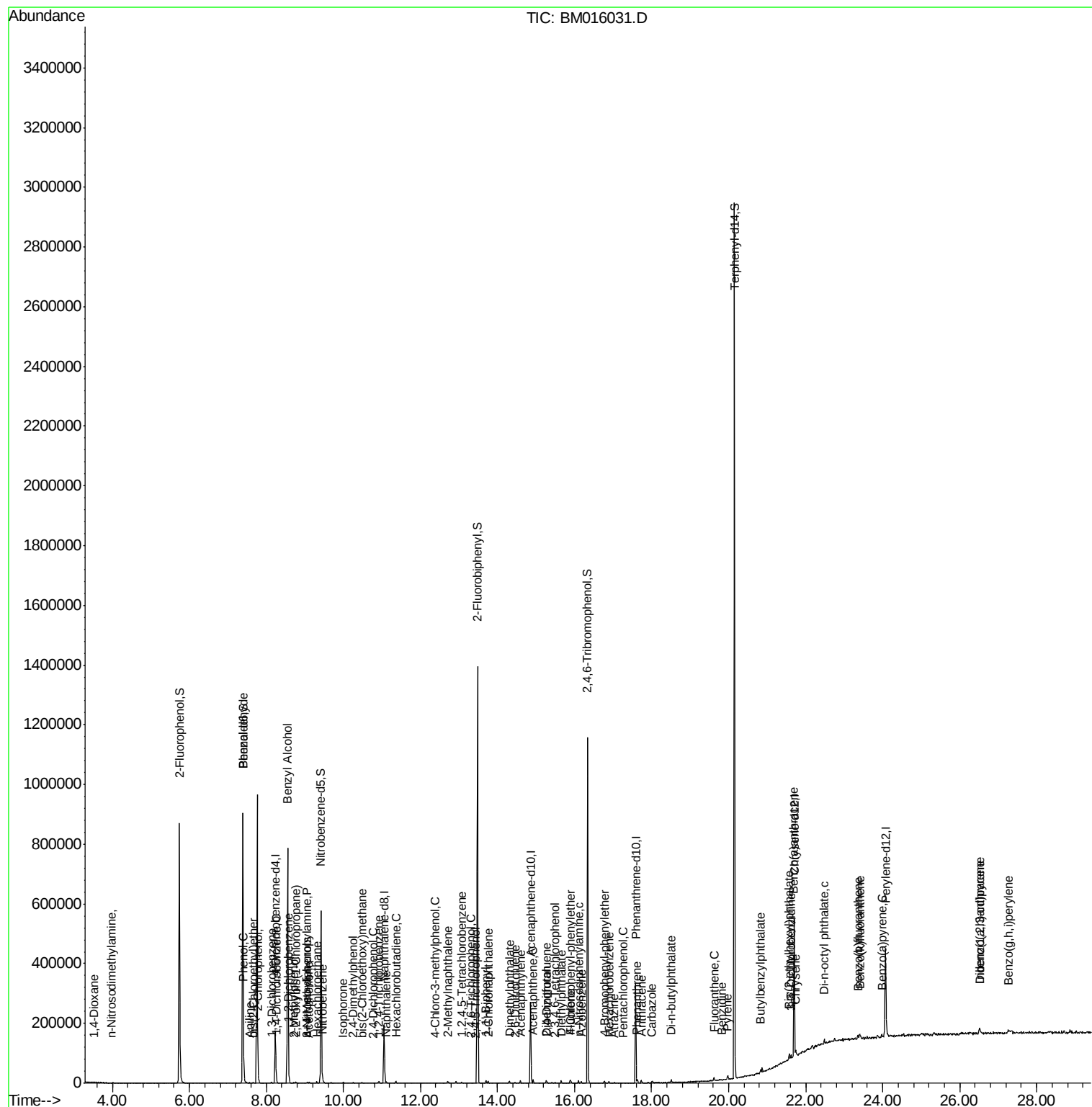
50) 2,6-Dinitrotoluene	14.46	165	444	0.329	ng	# 65
51) Acenaphthene	14.92	154	3815	0.786	ng	# 92
54) Dibenzofuran	15.26	168	6476	0.810	ng	# 88
56) 2,4-Dinitrotoluene	15.27	165	537	0.278	ng	# 62
57) Fluorene	15.90	166	4782	0.805	ng	# 96
58) 2,3,4,6-Tetrachlorophenol	15.50	232	557	0.384	ng	# 100
59) Diethylphthalate	15.66	149	5334	0.737	ng	# 99
60) 4-Chlorophenyl-phenylether	15.89	204	2444	0.739	ng	# 87
62) Azobenzene	16.18	77	4660	0.611	ng	# 75
65) n-Nitrosodiphenylamine	16.11	169	4185	0.774	ng	# 87
66) 4-Bromophenyl-phenylether	16.78	248	1497	0.805	ng	# 70
67) Hexachlorobenzene	16.90	284	1487	0.726	ng	# 52
68) Atrazine	17.04	200	1211	0.625	ng	# 74
69) Pentachlorophenol	17.26	266	135	0.106	ng	# 19
70) Phenanthrene	17.63	178	8213	0.893	ng	# 96
71) Anthracene	17.73	178	7215	0.807	ng	# 93
72) Carbazole	18.01	167	5967	0.644	ng	# 93
73) Di-n-butylphthalate	18.51	149	7388	0.640	ng	# 92
74) Fluoranthene	19.62	202	8495	0.828	ng	# 87
76) Benzidine	19.83	184	832	0.166	ng	# 68
77) Pyrene	19.98	202	8690	0.810	ng	# 94
79) Butylbenzylphthalate	20.83	149	3928	0.721	ng	# 78
80) Benzo(a)anthracene	21.69	228	10447	0.948	ng	# 94
81) 3,3'-Dichlorobenzidine	21.62	252	3210	0.723	ng	# 76
82) Chrysene	21.74	228	9547	0.903	ng	# 96
83) Bis(2-ethylhexyl)phthalate	21.57	149	5466	0.692	ng	# 84
84) Di-n-octyl phthalate	22.48	149	10402	0.784	ng	# 89
85) Indeno(1,2,3-cd)pyrene	26.52	276	11578	0.923	ng	# 95
87) Benzo(b)fluoranthene	23.36	252	10710	0.933	ng	# 98
88) Benzo(k)fluoranthene	23.41	252	9675	0.832	ng	# 89
89) Benzo(a)pyrene	23.98	252	10431	0.945	ng	# 91
90) Dibenzo(a,h)anthracene	26.51	278	9231	0.807	ng	# 78
91) Benzo(g,h,i)perylene	27.26	276	9739	0.901	ng	# 81

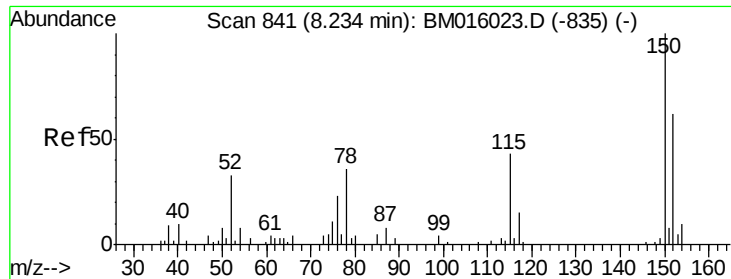
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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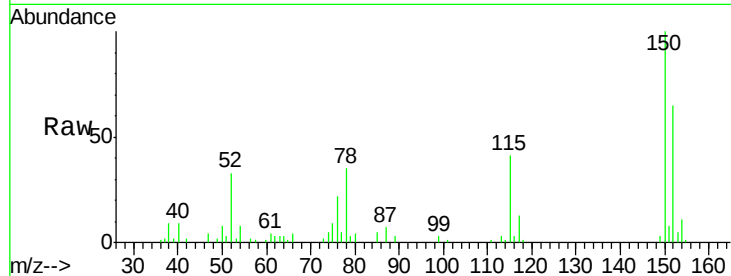


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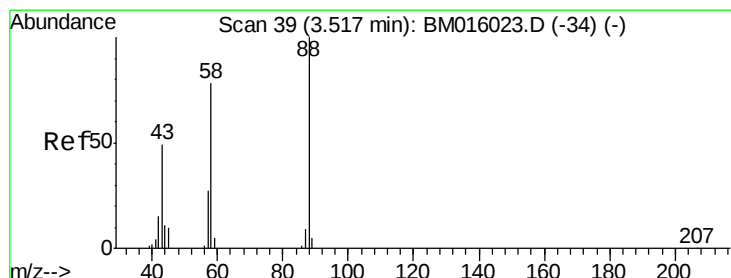
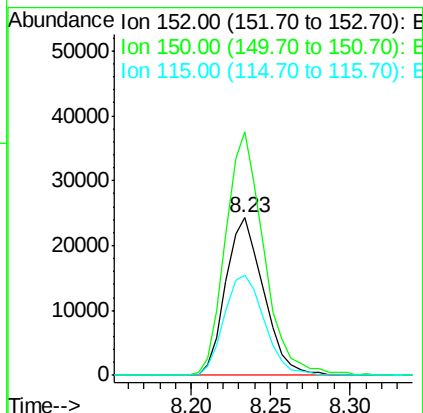
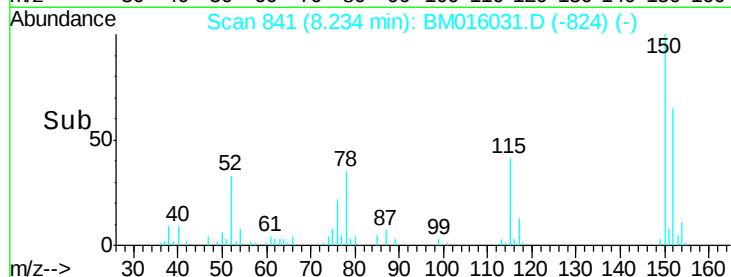
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 841
Delta R.T. -0.00 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:152 Resp: 40251
Ion Ratio Lower Upper
152 100
150 154.3 119.5 179.3
115 63.6 43.0 64.4



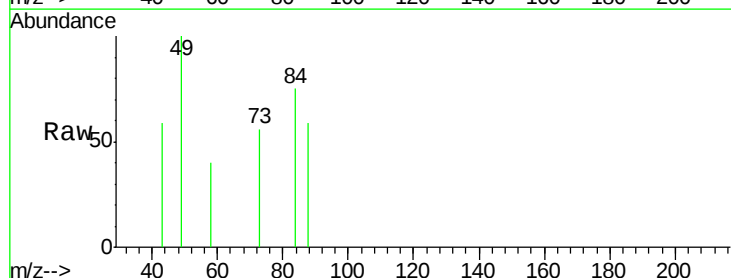
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



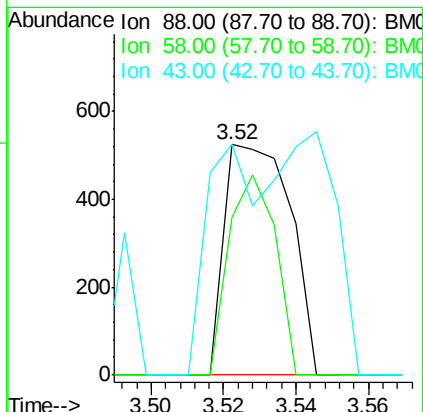
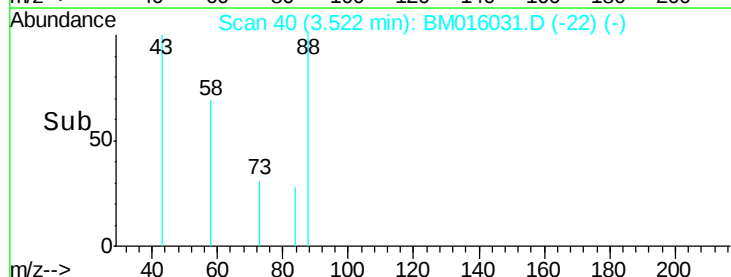
#2

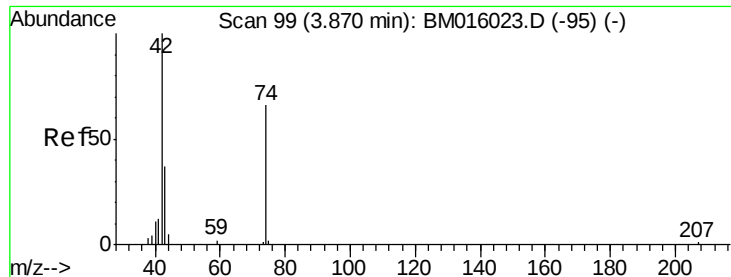
1,4-Dioxane
Concen: 0.584 ng
RT: 3.52 min Scan# 40
Delta R.T. 0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion: 88 Resp: 663
Ion Ratio Lower Upper
88 100
58 61.5 0.0 0.0#
43 73.0 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



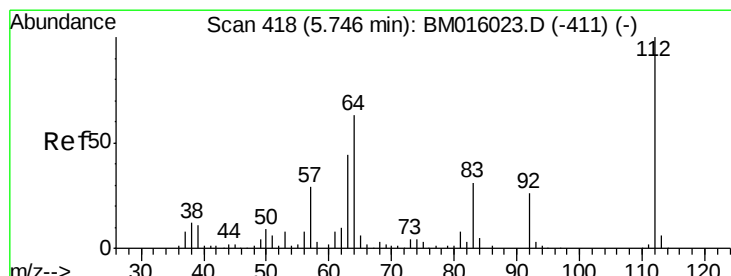
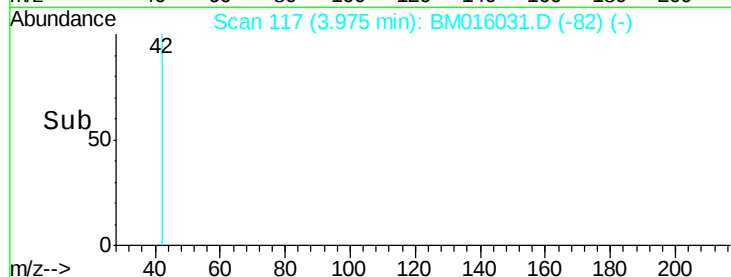
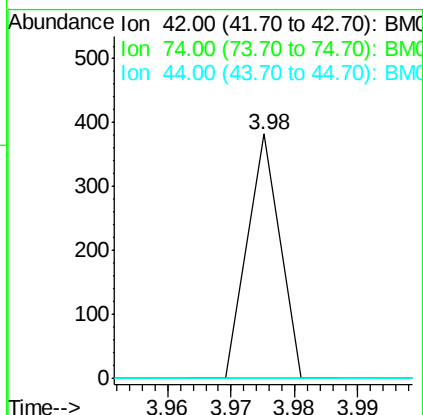
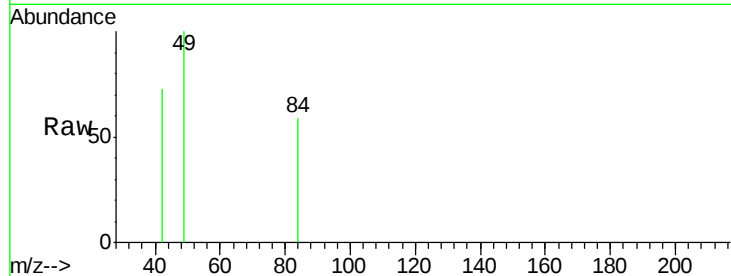


#4

n-Nitrosodimethylamine
 Concen: 0.063 ng
 RT: 3.98 min Scan# 117
 Delta R.T. 0.11 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Instrument :
 BNA_M
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 LOD-MDL-SOIL-01-QT3-2018

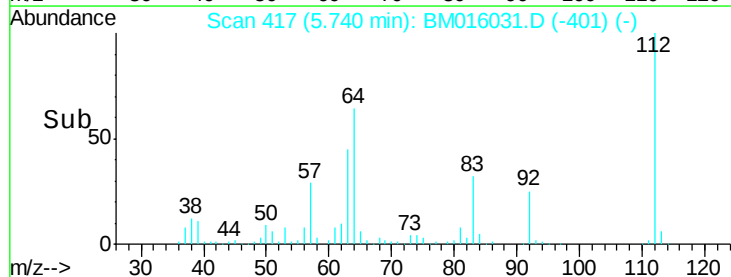
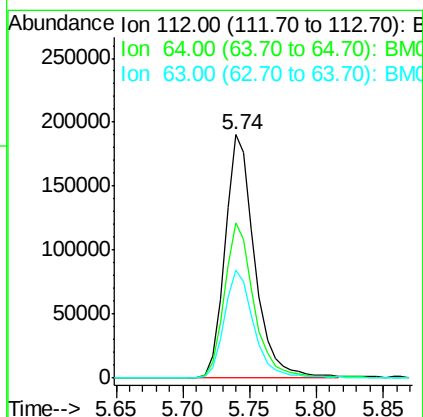
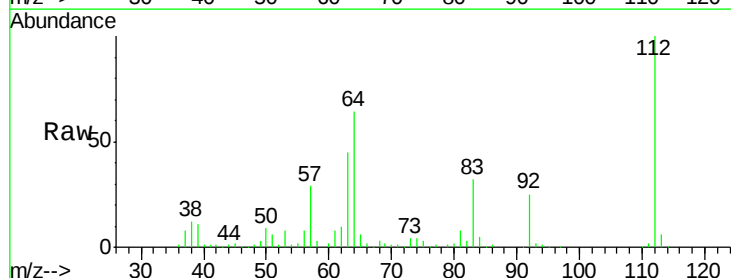
Tgt Ion: 42 Resp: 135
 Ion Ratio Lower Upper
 42 100
 74 0.0 119.3 178.9#
 44 0.0 5.4 8.2#

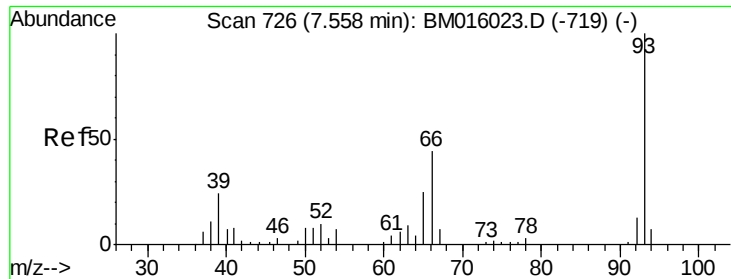


#5

2-Fluorophenol
 Concen: 0.063 ng
 RT: 5.74 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion: 112 Resp: 296227
 Ion Ratio Lower Upper
 112 100
 64 63.6 38.6 57.8#
 63 44.5 19.3 28.9#





#6

Aniline

Concen: 0.302 ng

RT: 7.57 min Scan# 728

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

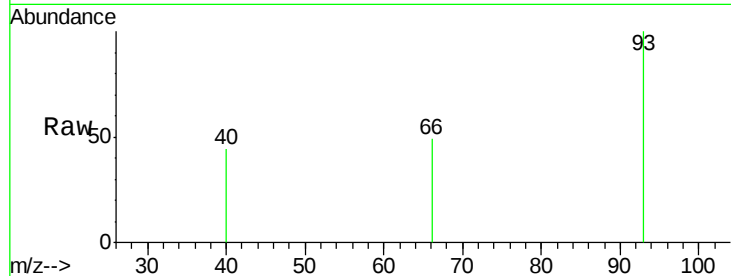
Tgt Ion: 93 Resp: 1099

Ion Ratio Lower Upper

93 100

66 49.1 30.8 46.2#

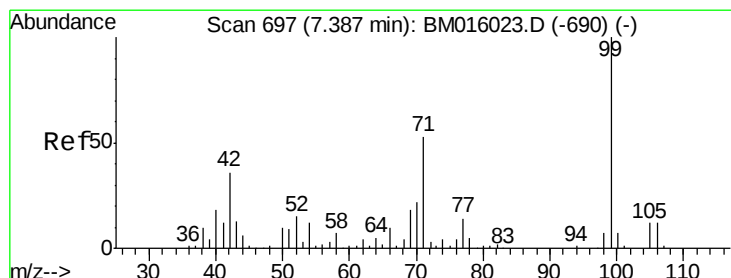
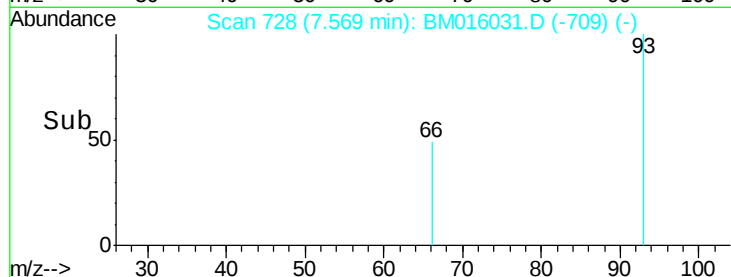
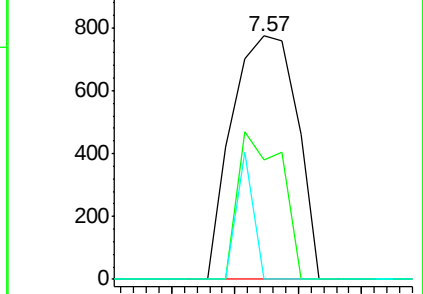
65 0.0 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BM016023.D (-719) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-719) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-719) (-)



#7

Phenol-d6

Concen: 0.302 ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

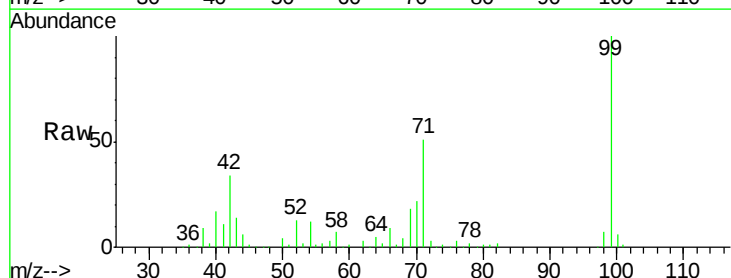
Tgt Ion: 99 Resp: 372953

Ion Ratio Lower Upper

99 100

42 34.2 11.0 16.4#

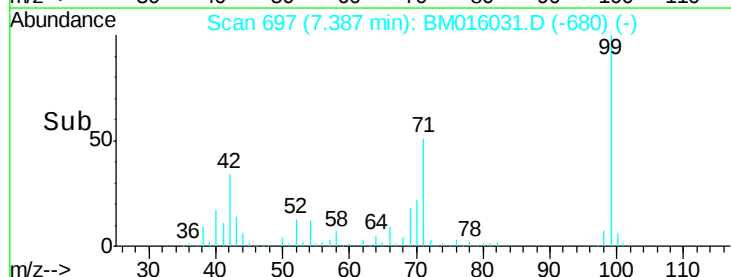
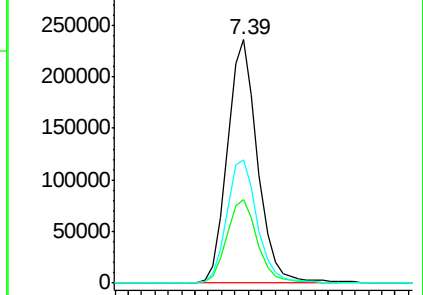
71 50.8 23.4 35.2#

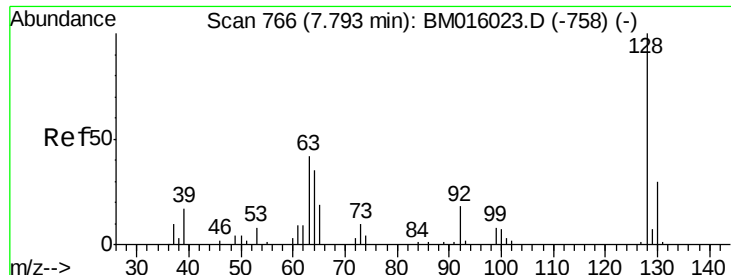


Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

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: 0.707 ng

RT: 7.79 min Scan# 765

Delta R.T. -0.01 min

Lab File: BM016031.D

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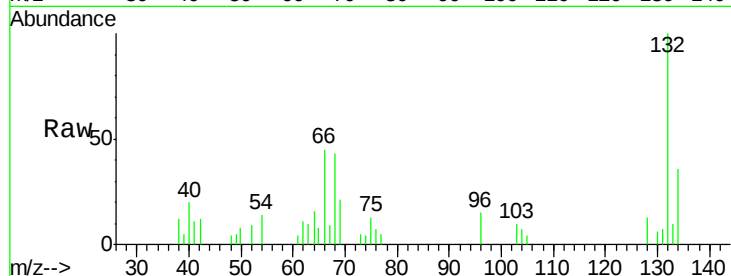
Tgt Ion:128 Resp: 2036

Ion Ratio Lower Upper

128 100

130 43.2 12.0 52.0

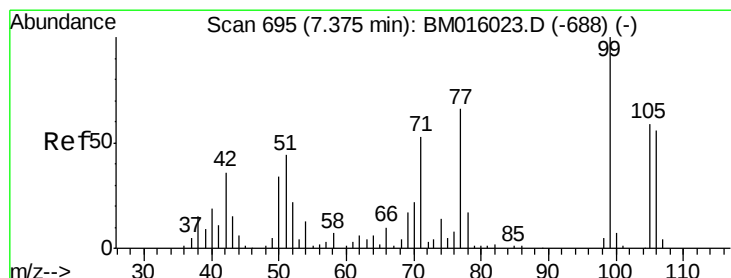
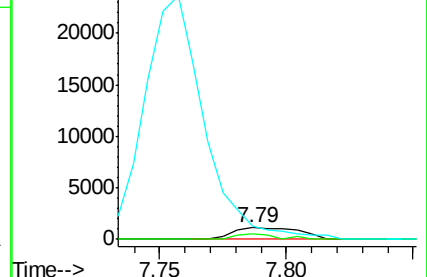
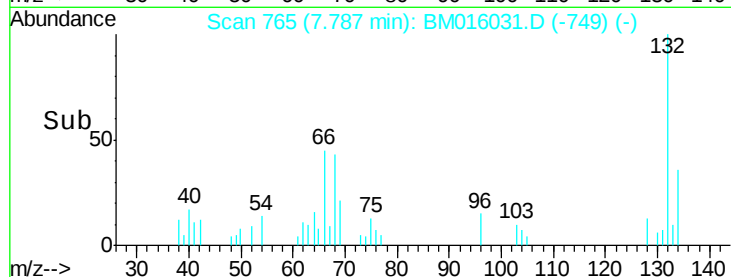
64 121.0 24.9 64.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



#9

Benzaldehyde

Concen: 0.466 ng

RT: 7.38 min Scan# 696

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

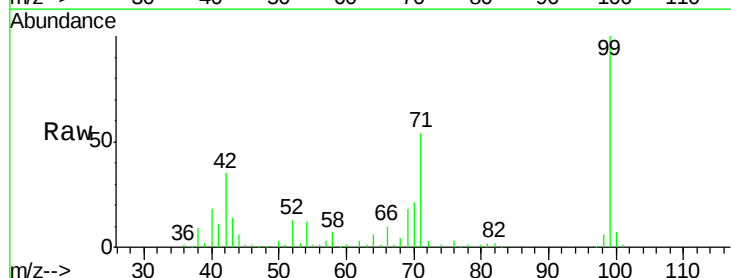
Tgt Ion: 77 Resp: 1036

Ion Ratio Lower Upper

77 100

105 0.0 78.8 118.8#

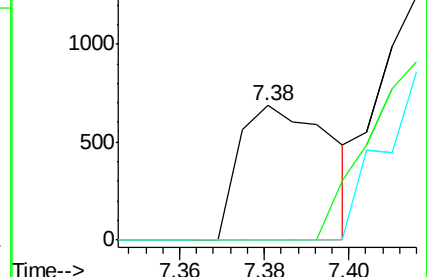
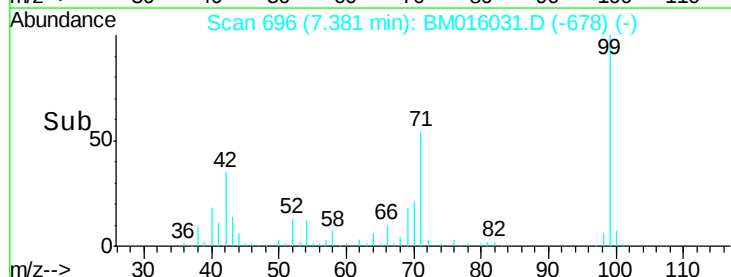
106 0.0 73.7 113.7#

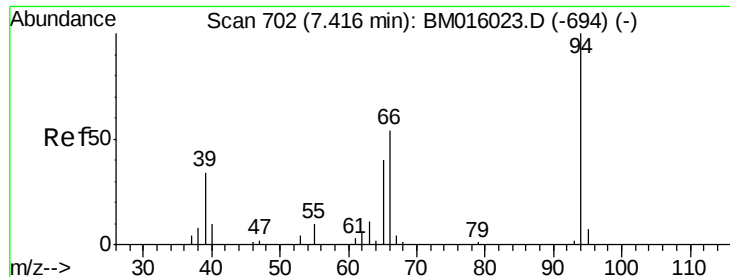


Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 0.810 ng

RT: 7.41 min Scan# 701

Delta R.T. -0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

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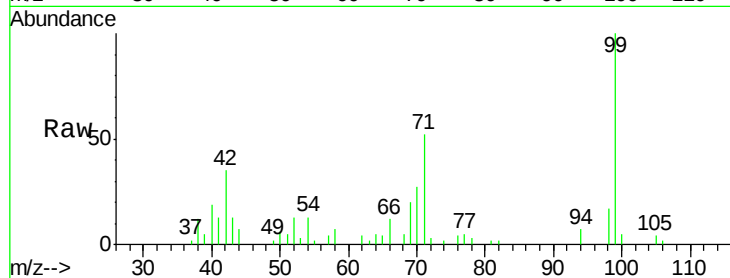
Tgt Ion: 94 Resp: 2563

Ion Ratio Lower Upper

94 100

65 59.5 18.8 58.8#

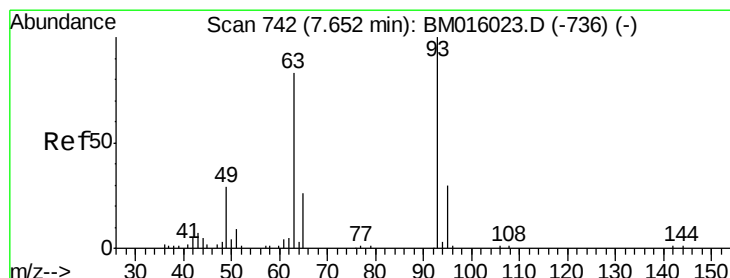
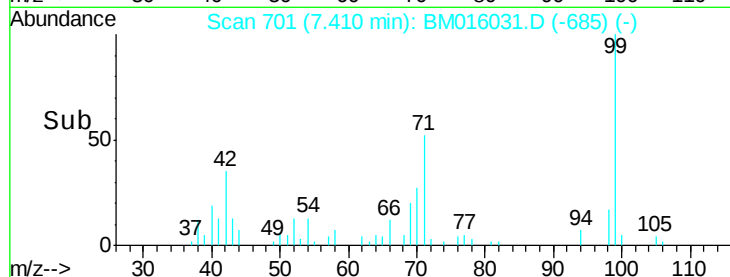
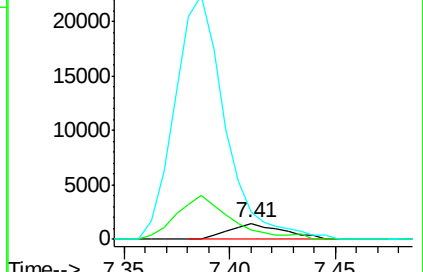
66 171.3 39.9 79.9#



Abundance Ion 94.00 (93.70 to 94.70): BM016023.D (-694) (-)

Ion 65.00 (64.70 to 65.70): BM016023.D (-694) (-)

Ion 66.00 (65.70 to 66.70): BM016023.D (-694) (-)



#11

bis(2-Chloroethyl)ether

Concen: 0.667 ng

RT: 7.66 min Scan# 743

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

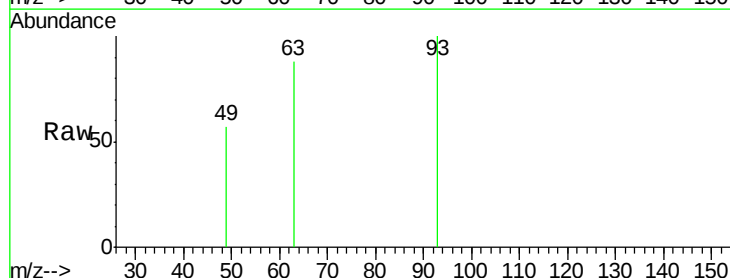
Tgt Ion: 93 Resp: 1667

Ion Ratio Lower Upper

93 100

63 87.8 49.5 89.5

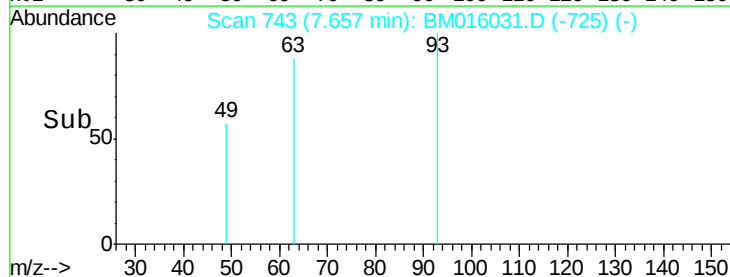
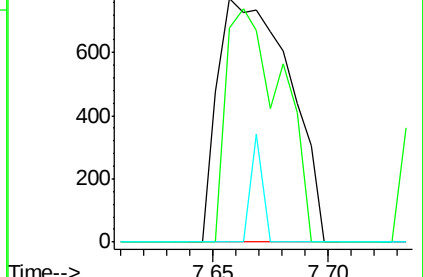
95 0.0 13.5 53.5#

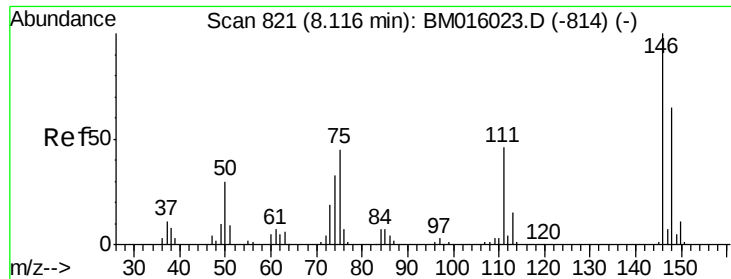


Abundance Ion 93.00 (92.70 to 93.70): BM016023.D (-736) (-)

Ion 63.00 (62.70 to 63.70): BM016023.D (-736) (-)

Ion 95.00 (94.70 to 95.70): BM016023.D (-736) (-)





#12

1,3-Dichlorobenzene

Concen: 0.683 ng

RT: 8.13 min Scan# 823

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

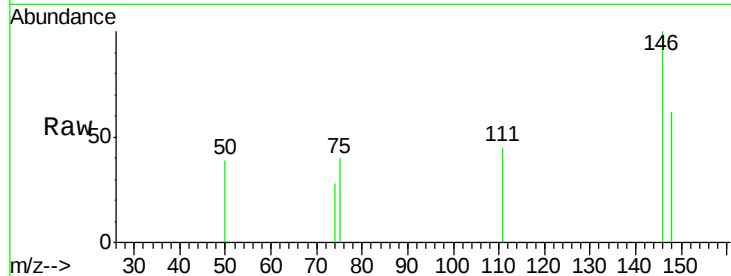
Instrument :

BNA_M

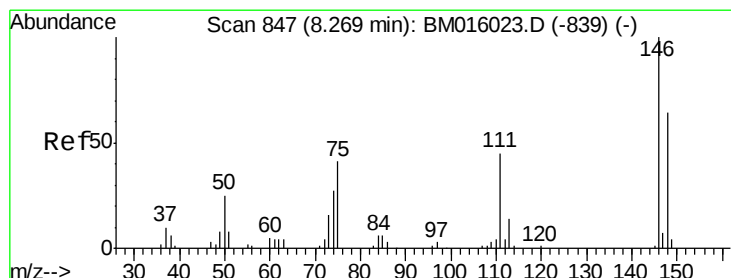
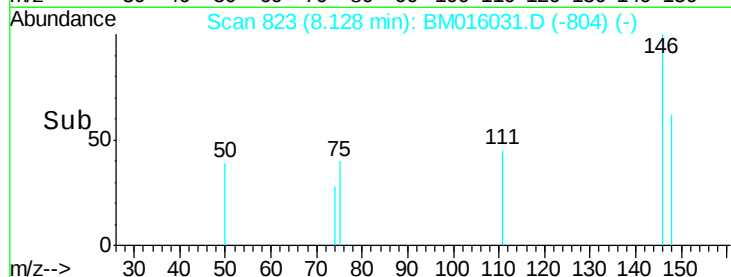
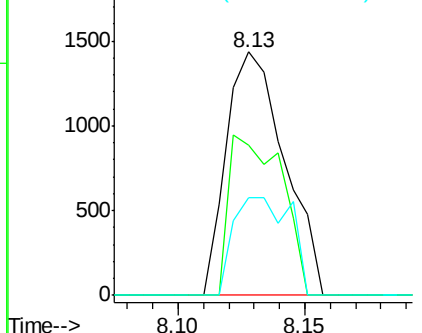
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:	146	Resp:	2303
Ion Ratio	Lower	Upper	
146	100		
148	61.7	50.9	76.3
75	39.9	21.4	32.2#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BM



#13

1,4-Dichlorobenzene

Concen: 0.719 ng

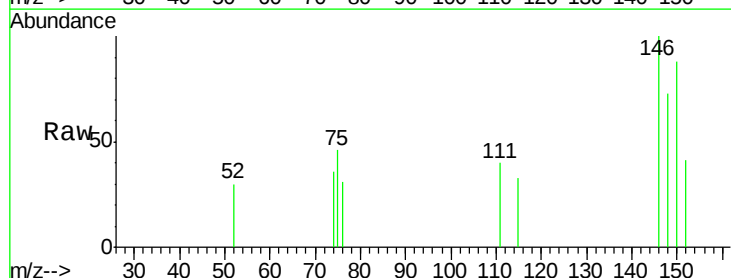
RT: 8.27 min Scan# 848

Delta R.T. 0.01 min

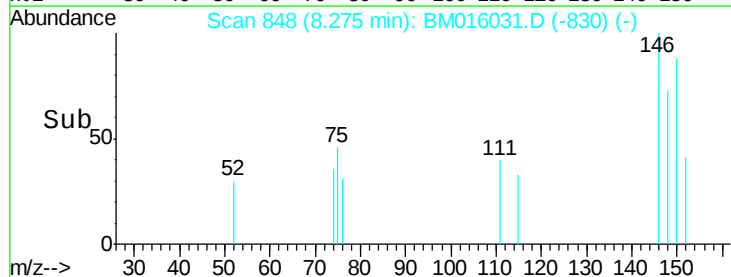
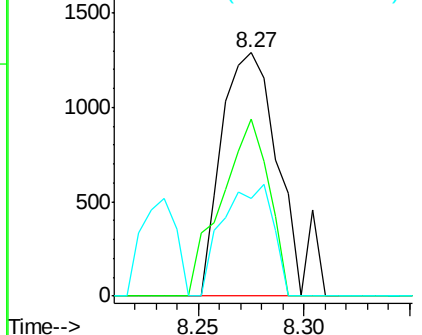
Lab File: BM016031.D

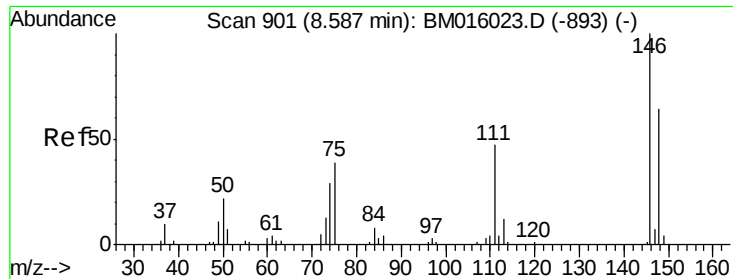
Acq: 23 Jul 2018 18:23

Tgt Ion:	146	Resp:	2459
Ion Ratio	Lower	Upper	
146	100		
148	72.8	51.9	77.9
111	39.9	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

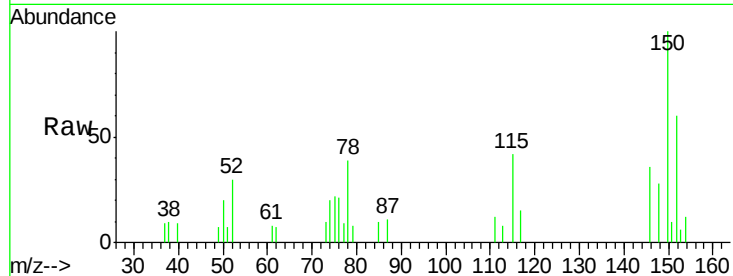




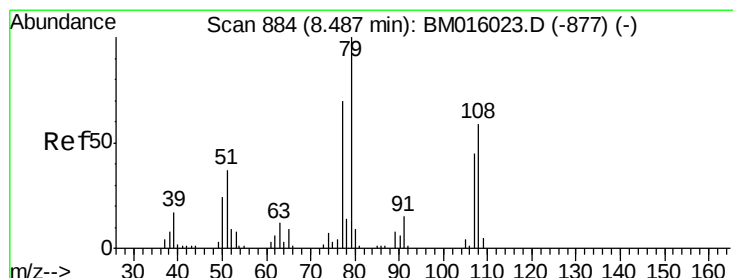
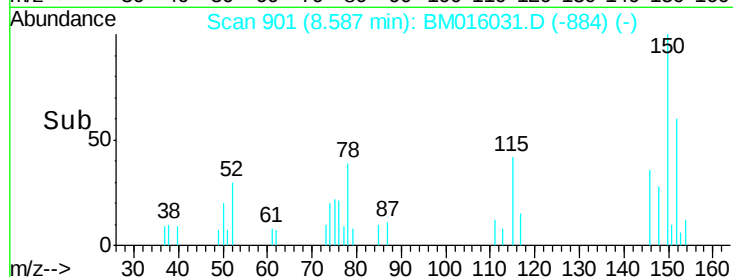
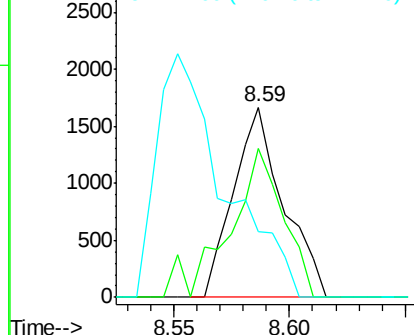
#14
1,2-Dichlorobenzene
Concen: 0.746 ng
RT: 8.59 min Scan# 901
Delta R.T. -0.00 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:146 Resp: 2494
Ion Ratio Lower Upper
146 100
148 78.1 52.3 78.5
111 34.6 30.6 45.8

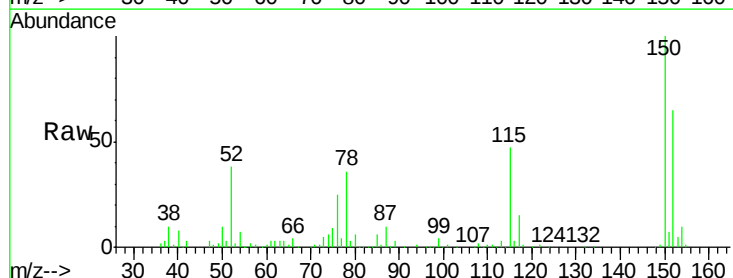


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

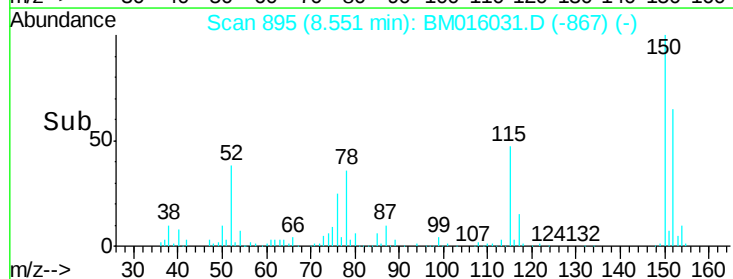
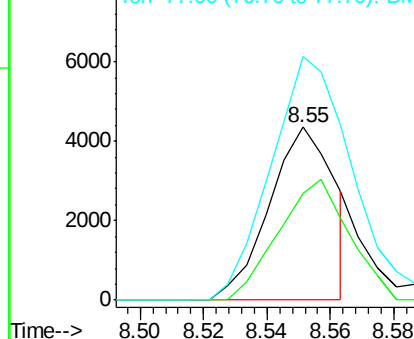


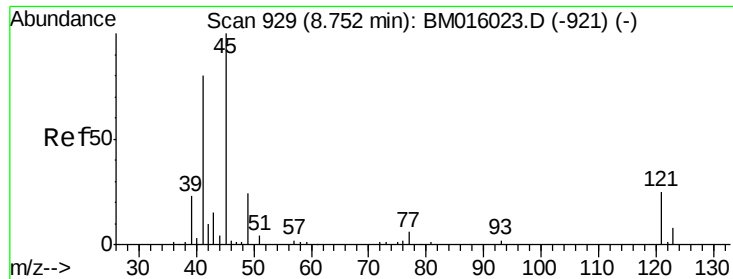
#15
Benzyl Alcohol
Concen: 2.478 ng
RT: 8.55 min Scan# 895
Delta R.T. 0.06 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion: 79 Resp: 6243
Ion Ratio Lower Upper
79 100
108 61.9 65.0 97.4#
77 141.0 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0





#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.747 ng

RT: 8.77 min Scan# 932

Delta R.T. 0.02 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

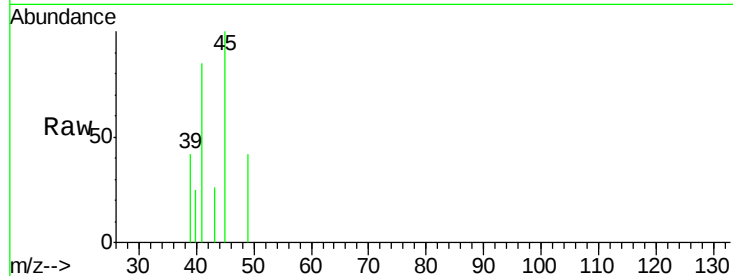
Tgt Ion: 45 Resp: 2857

Ion Ratio Lower Upper

45 100

77 0.0 0.0 35.2

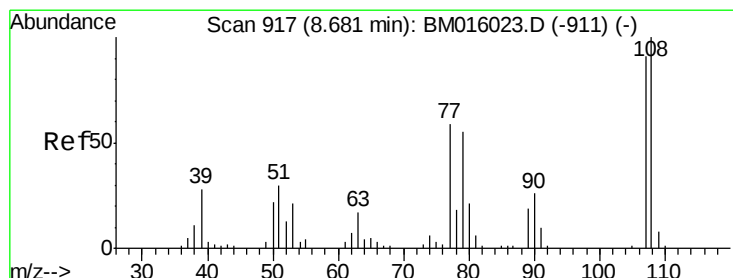
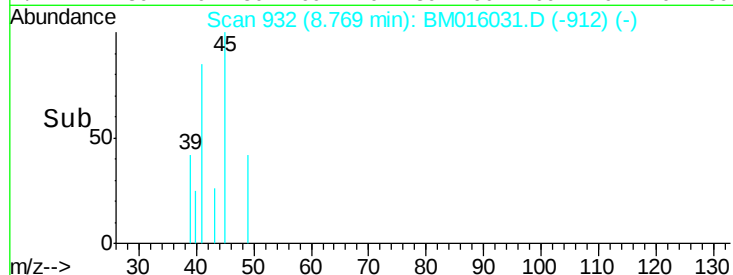
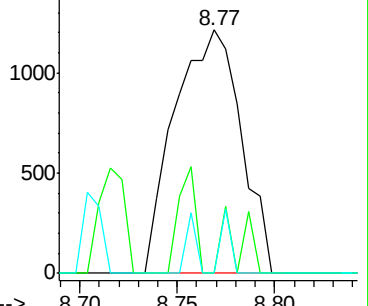
79 0.0 0.0 32.0



Abundance Ion 45.00 (44.70 to 45.70): BM016023.D (-921) (-)

Ion 77.00 (76.70 to 77.70): BM016023.D (-921) (-)

Ion 79.00 (78.70 to 79.70): BM016023.D (-921) (-)



#17

2-Methylphenol

Concen: 0.547 ng

RT: 8.72 min Scan# 923

Delta R.T. 0.03 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Tgt Ion: 107 Resp: 1183

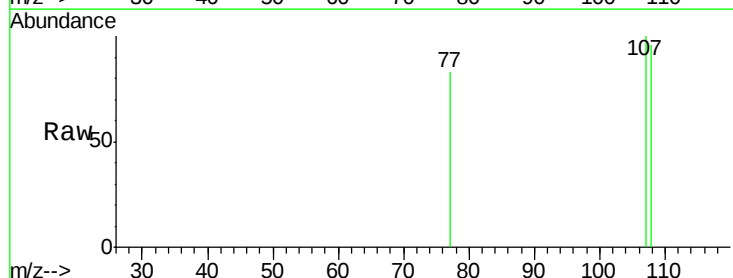
Ion Ratio Lower Upper

107 100

108 95.8 89.8 134.8

77 82.9 32.6 48.8#

79 0.0 32.8 49.2#

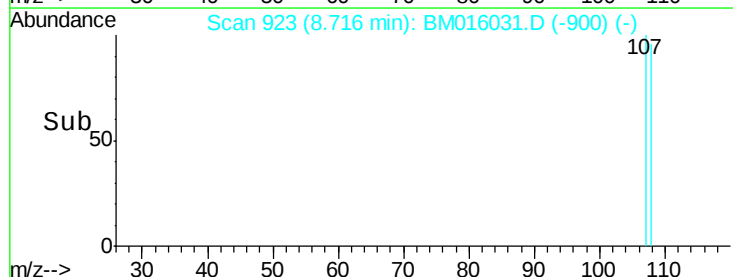
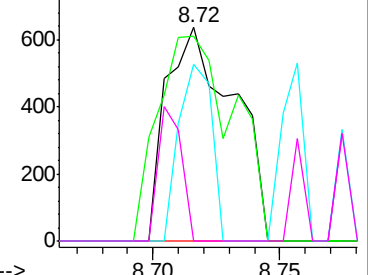


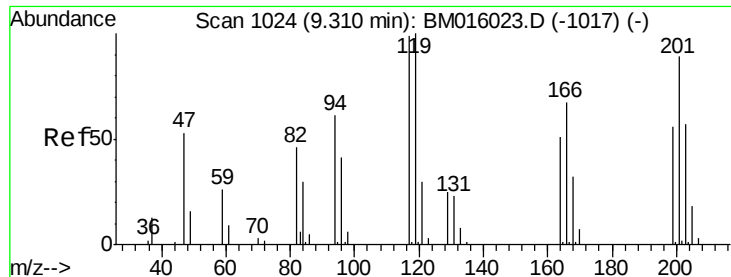
Abundance Ion 107.00 (106.70 to 107.70): BM016023.D (-911) (-)

Ion 108.00 (107.70 to 108.70): BM016023.D (-911) (-)

Ion 77.00 (76.70 to 77.70): BM016023.D (-911) (-)

Ion 79.00 (78.70 to 79.70): BM016023.D (-911) (-)

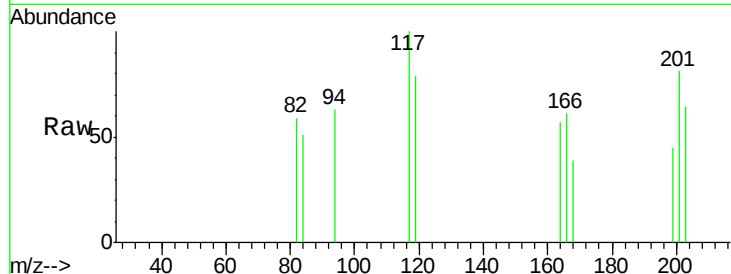




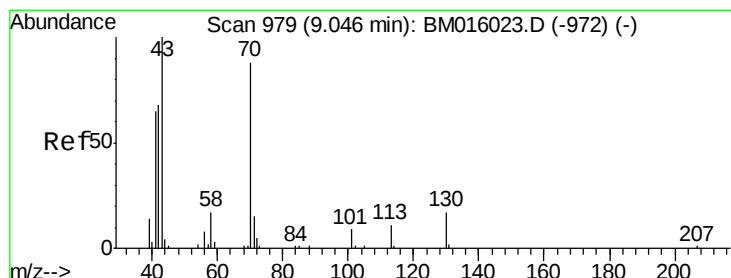
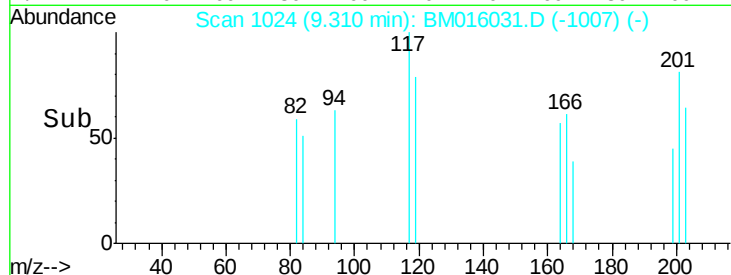
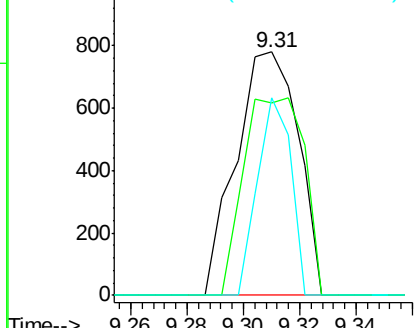
#18
Hexachloroethane
Concen: 0.806 ng
RT: 9.31 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 117 Resp: 1191
Ion Ratio Lower Upper
117 100
119 79.1 79.2 118.8#
201 81.4 69.8 104.6

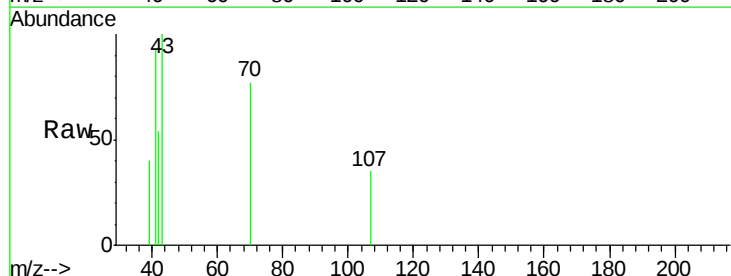


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

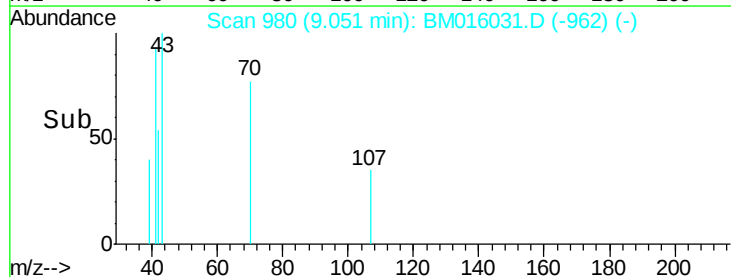
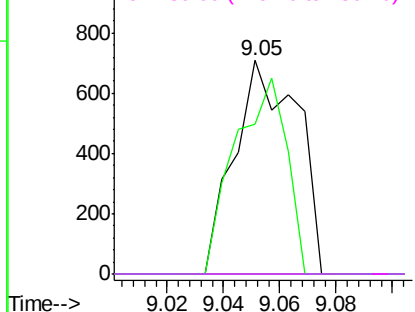


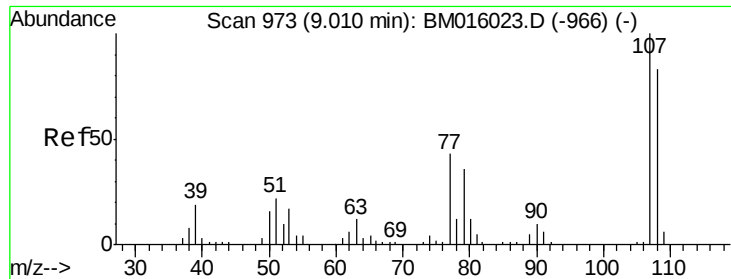
#19
n-Nitroso-di-n-propylamine
Concen: 0.473 ng
RT: 9.05 min Scan# 980
Delta R.T. 0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion: 70 Resp: 1095
Ion Ratio Lower Upper
70 100
42 70.2 44.5 66.7#
101 0.0 7.4 11.2#
130 0.0 15.3 22.9#



Abundance Ion 70.00 (69.70 to 70.70): BM0
Ion 42.00 (41.70 to 42.70): BM0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

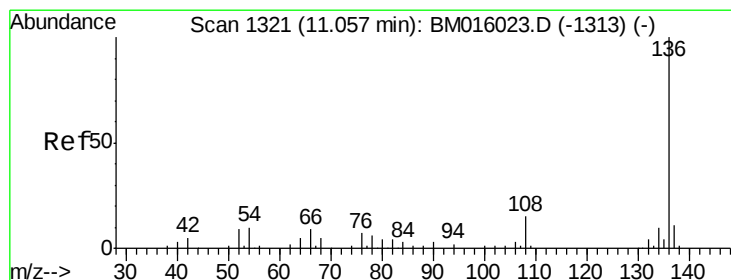
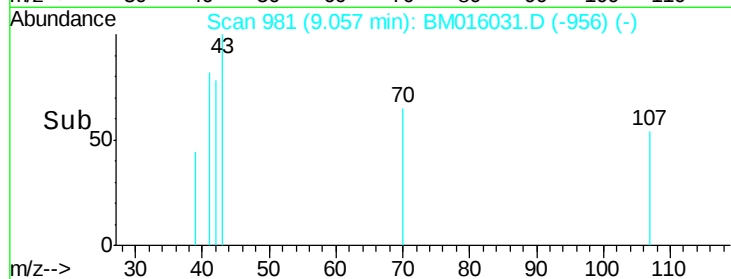
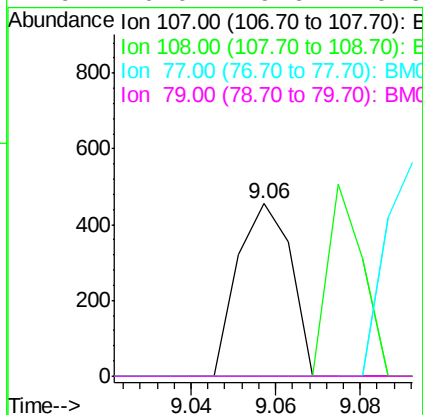
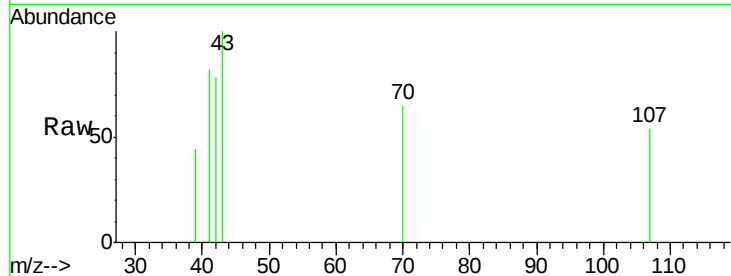




#20
3+4-Methylphenols
Concen: 0.128 ng
RT: 9.06 min Scan# 981
Delta R.T. 0.05 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

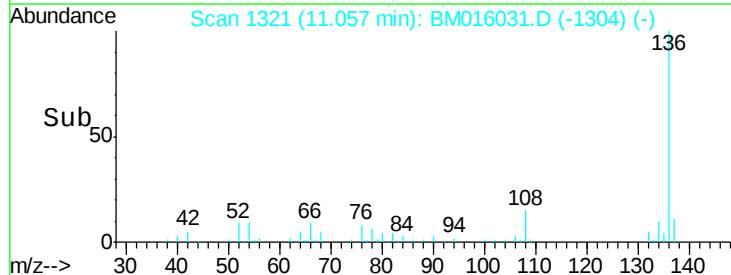
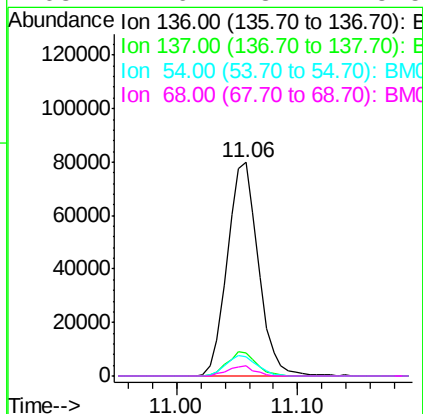
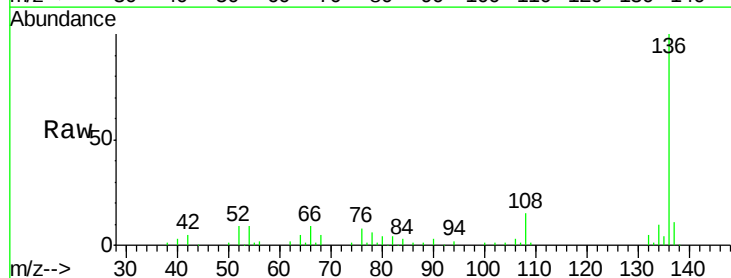
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

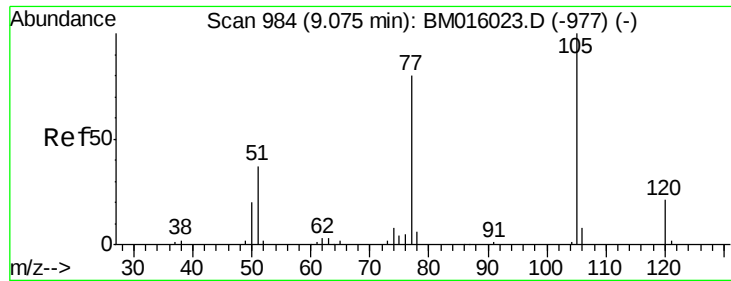
Tgt Ion:107 Resp: 399
Ion Ratio Lower Upper
107 100
108 0.0 73.2 113.2#
77 0.0 10.7 50.7#
79 0.0 9.6 49.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.06 min Scan# 1321
Delta R.T. -0.00 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion:136 Resp: 142623
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 9.0 4.6 6.8#
68 4.6 3.7 5.5

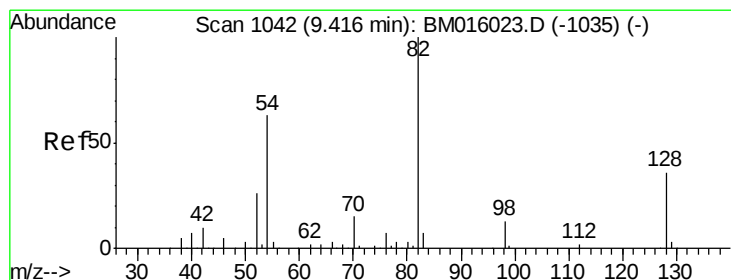
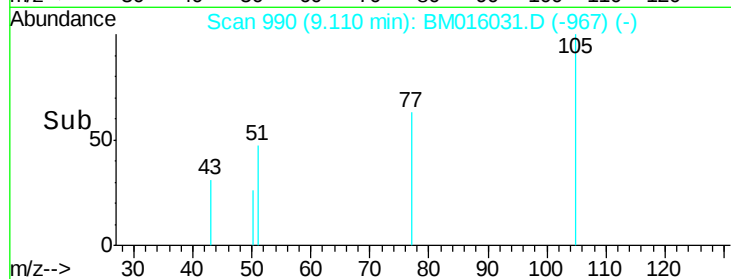
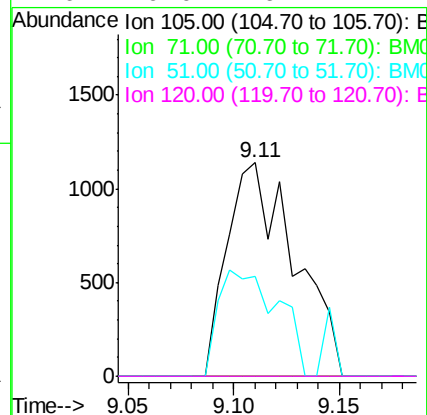
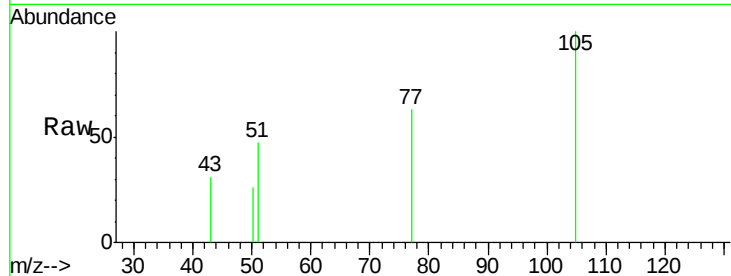




#22
 Acetophenone
 Concen: 0.704 ng
 RT: 9.11 min Scan# 990
 Delta R.T. 0.03 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

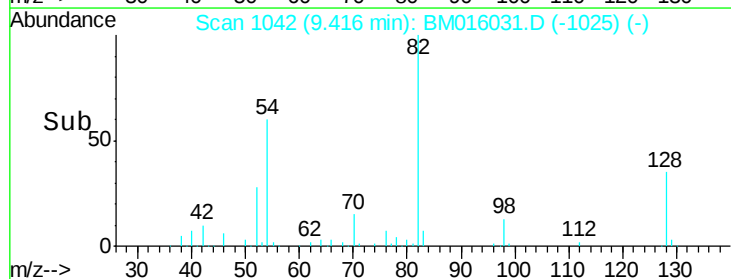
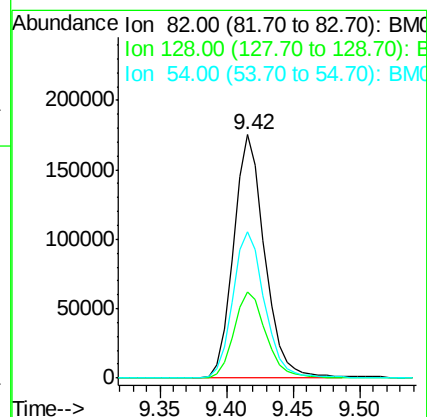
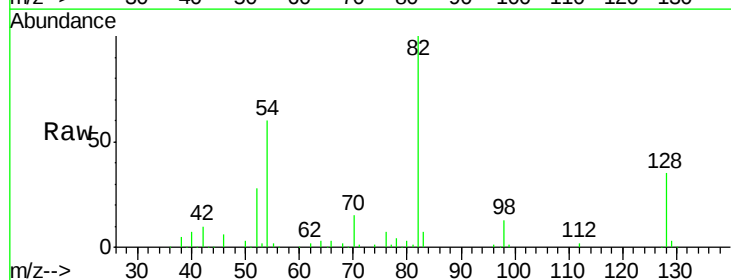
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

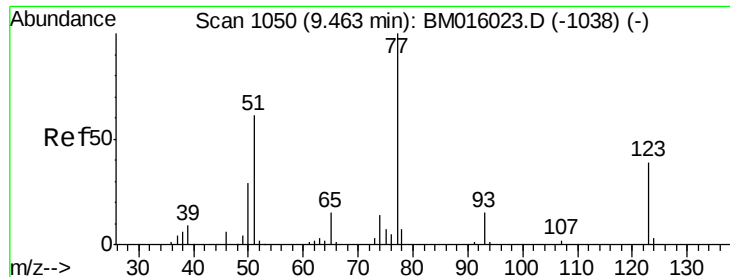
Tgt Ion:	105	Resp:	2529
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	46.9	21.6	32.4#
120	0.0	16.1	24.1#



#23
 Nitrobenzene-d5
 Concen: 0.704 ng
 RT: 9.42 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:	82	Resp:	286613
Ion	Ratio	Lower	Upper
82	100		
128	35.2	32.8	49.2
54	59.9	40.6	60.8

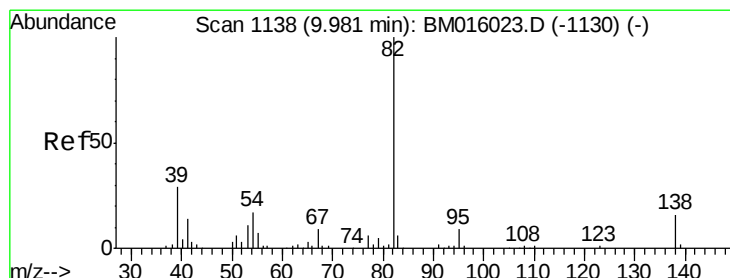
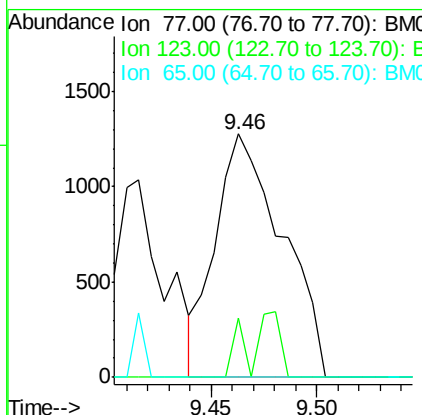
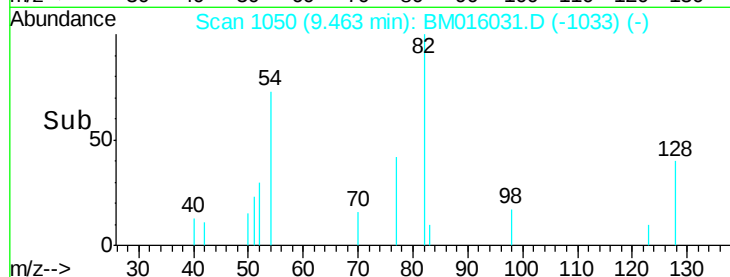
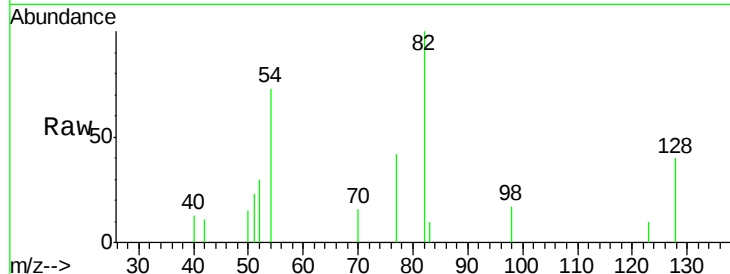




#24
 Nitrobenzene
 Concen: 0.913 ng
 RT: 9.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

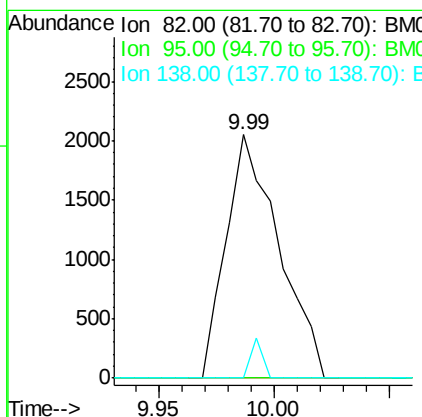
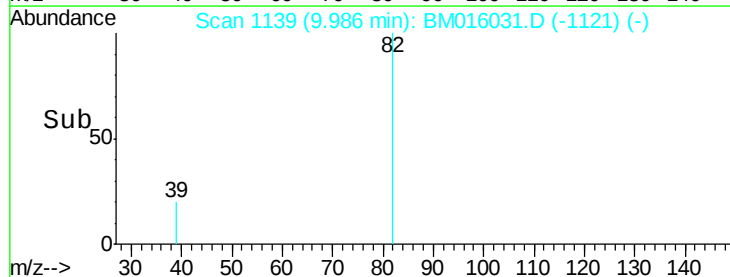
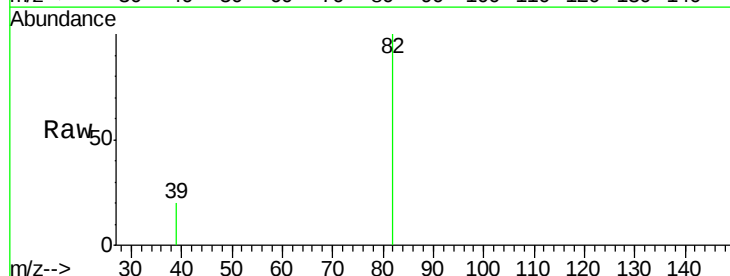
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

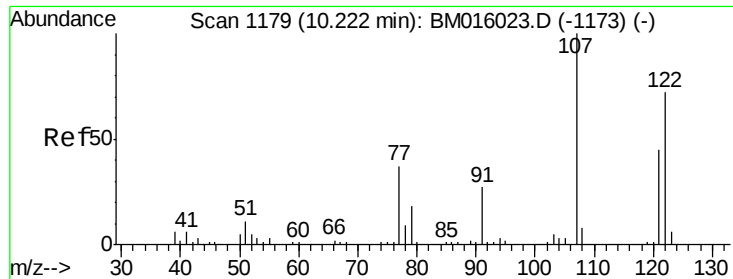
Tgt Ion: 77 Resp: 2818
 Ion Ratio Lower Upper
 77 100
 123 24.5 32.6 49.0#
 65 0.0 10.9 16.3#



#25
 Isophorone
 Concen: 0.776 ng
 RT: 9.99 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion: 82 Resp: 3253
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 16.3 24.5#

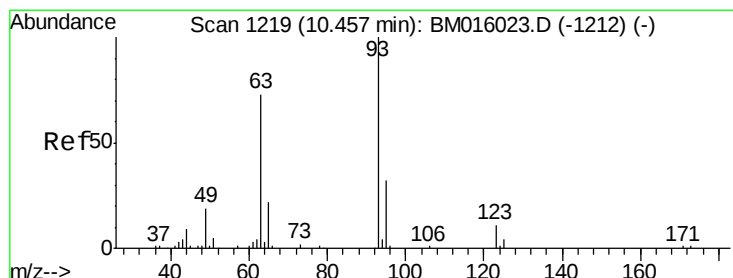
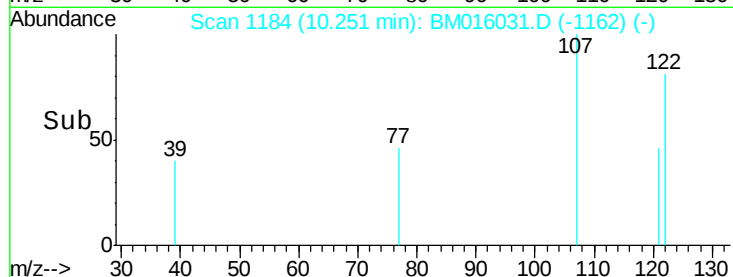
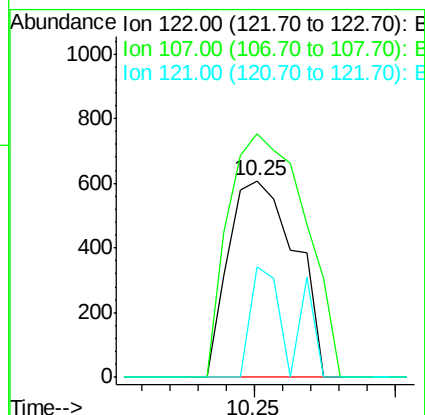
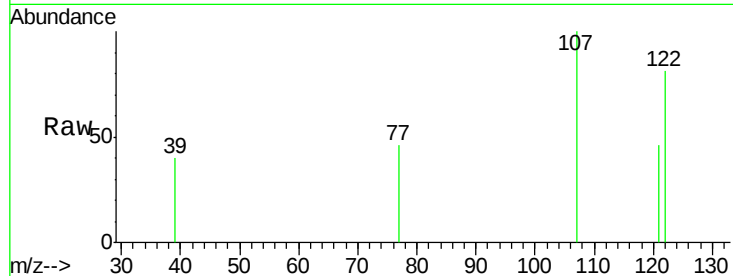




#27
 2,4-Dimethylphenol
 Concen: 0.557 ng
 RT: 10.25 min Scan# 1184
 Delta R.T. 0.03 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

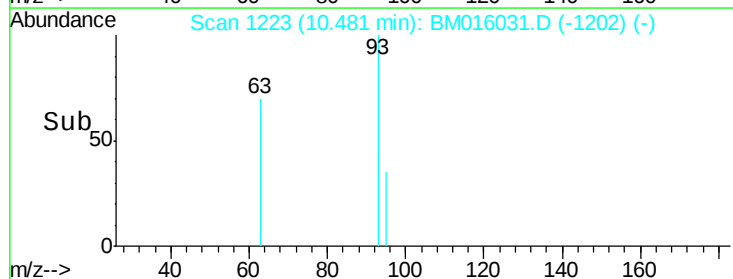
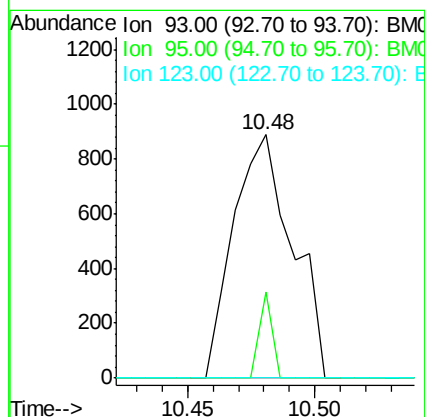
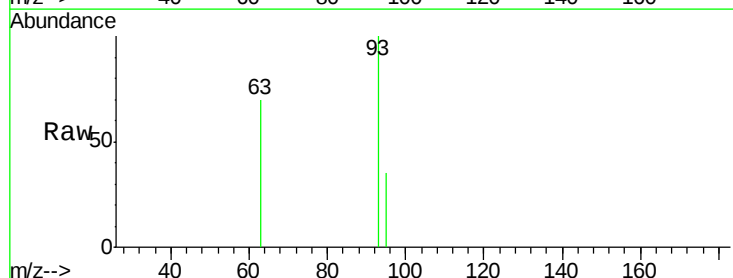
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

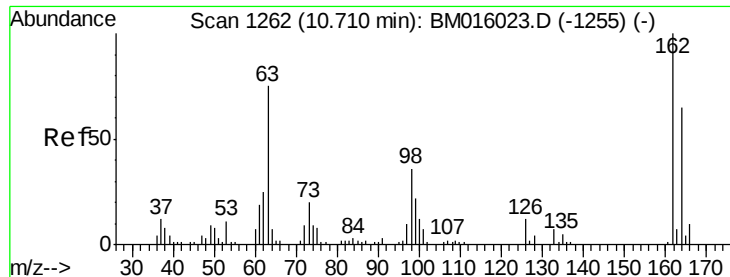
Tgt Ion: 122 Resp: 1000
 Ion Ratio Lower Upper
 122 100
 107 123.8 84.7 127.1
 121 56.4 46.6 69.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 0.527 ng
 RT: 10.48 min Scan# 1223
 Delta R.T. 0.02 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion: 93 Resp: 1438
 Ion Ratio Lower Upper
 93 100
 95 35.3 25.5 38.3
 123 0.0 8.6 13.0#

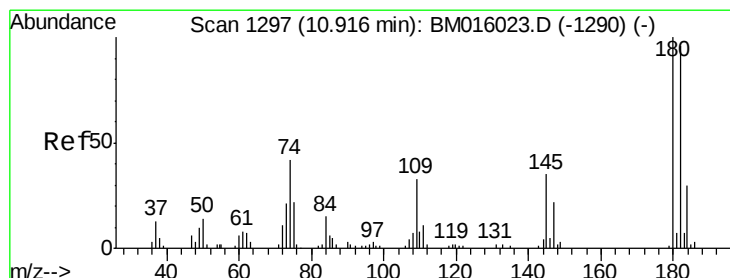
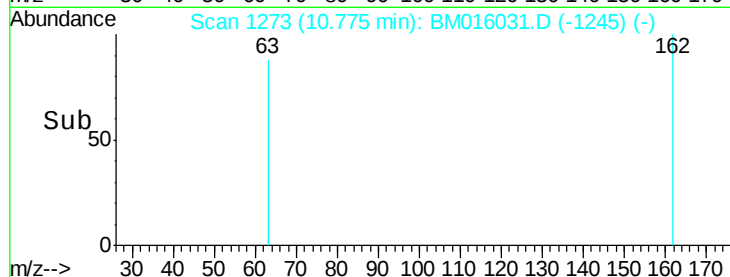
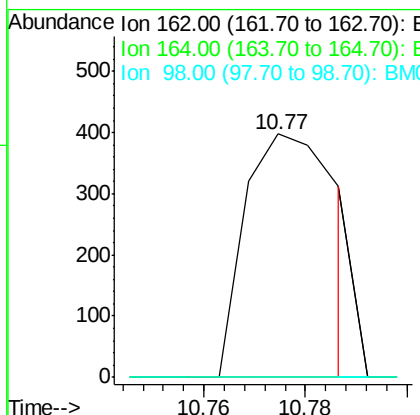
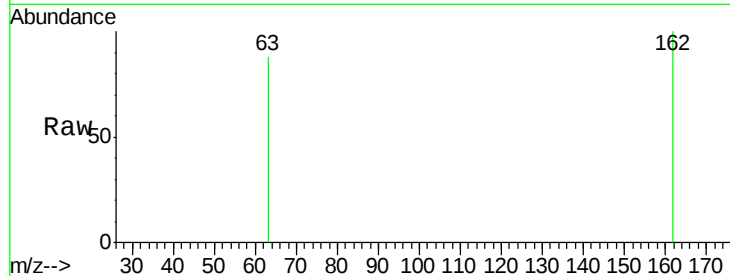




#29
 2,4-Dichlorophenol
 Concen: 0.233 ng
 RT: 10.77 min Scan# 1273
 Delta R.T. 0.06 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

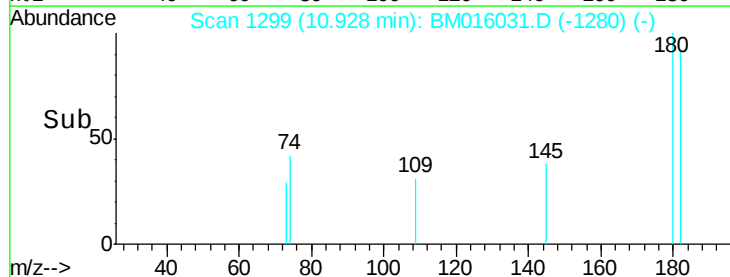
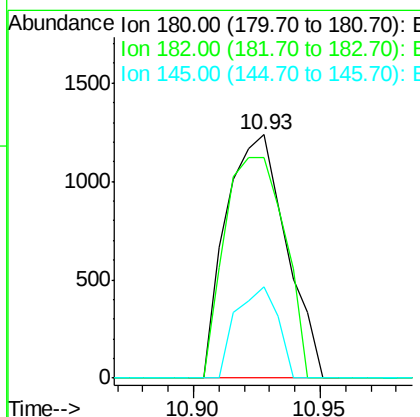
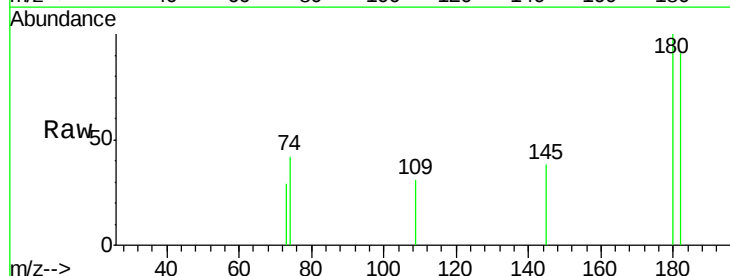
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

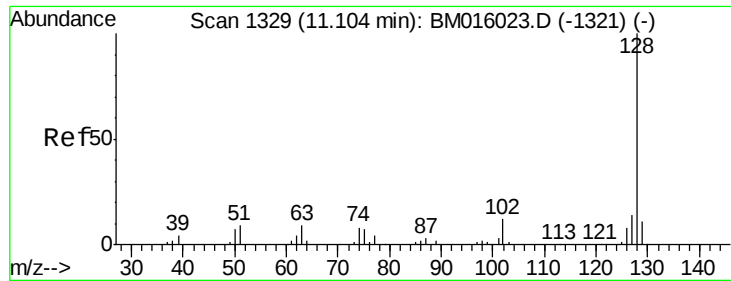
Tgt Ion:162 Resp: 498
 Ion Ratio Lower Upper
 162 100
 164 0.0 42.8 82.8#
 98 0.0 14.5 54.5#



#30
 1,2,4-Trichlorobenzene
 Concen: 0.789 ng
 RT: 10.93 min Scan# 1299
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:180 Resp: 2045
 Ion Ratio Lower Upper
 180 100
 182 90.5 77.6 116.4
 145 37.6 23.4 35.2#

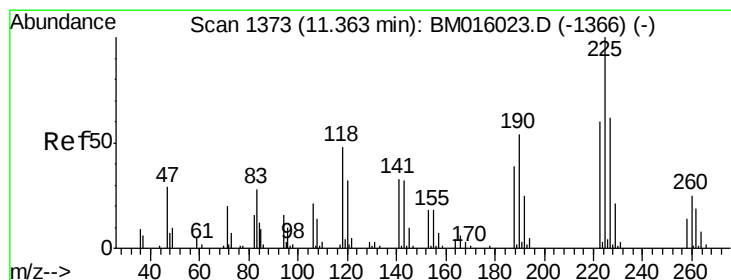
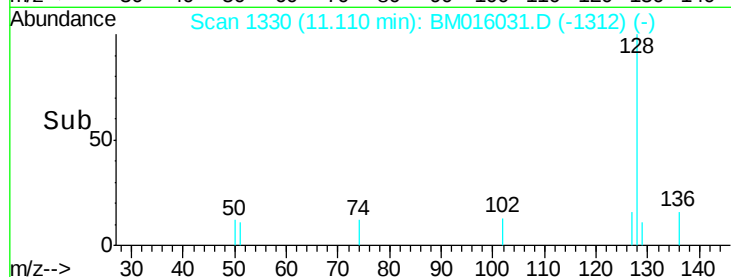
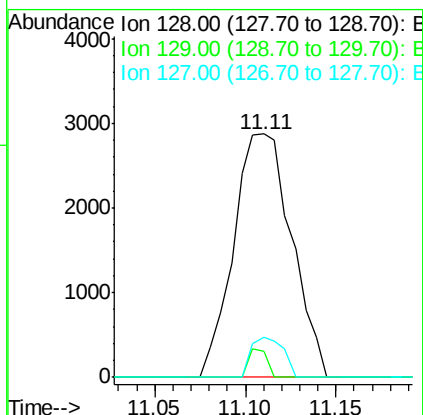
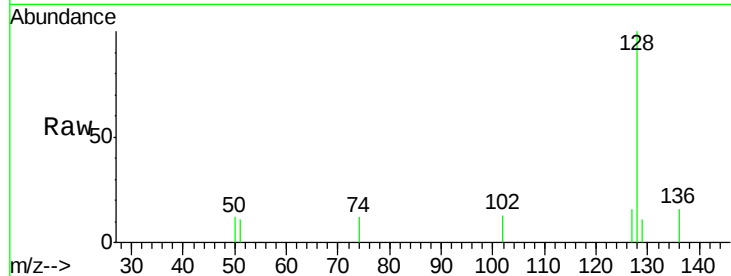




#31
Naphthalene
Concen: 0.885 ng
RT: 11.11 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

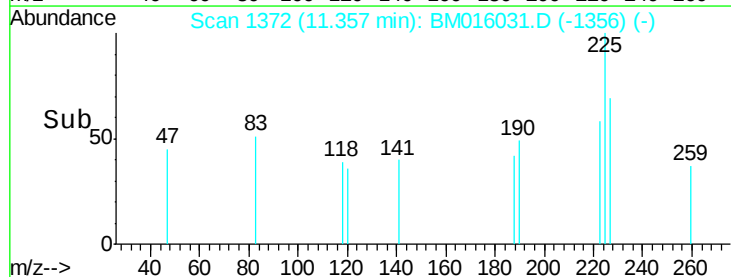
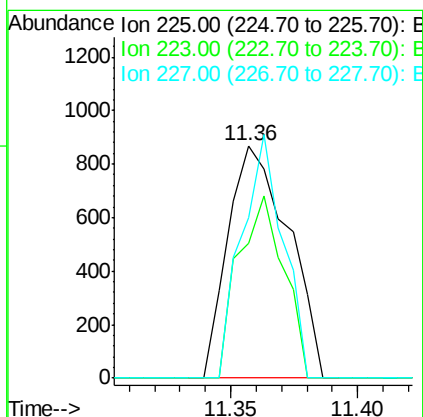
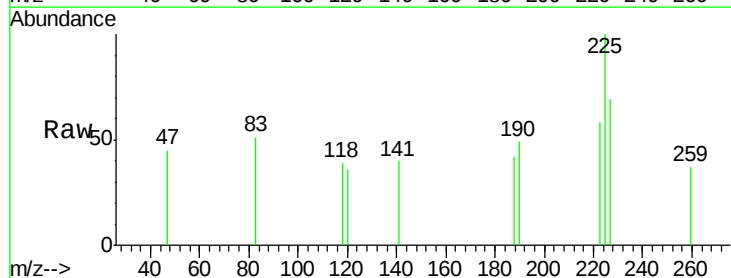
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

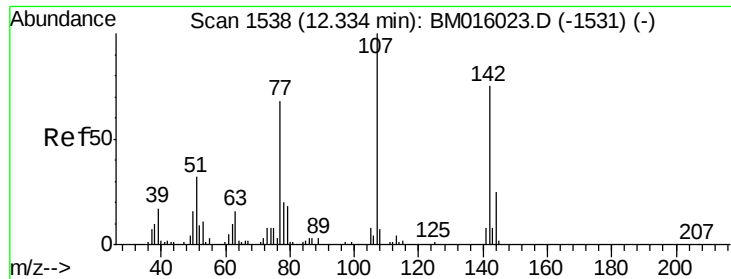
Tgt Ion:128 Resp: 6387
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 16.4 10.4 15.6#



#34
Hexachlorobutadiene
Concen: 0.803 ng
RT: 11.36 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion:225 Resp: 1444
Ion Ratio Lower Upper
225 100
223 58.3 47.9 71.9
227 69.0 50.1 75.1

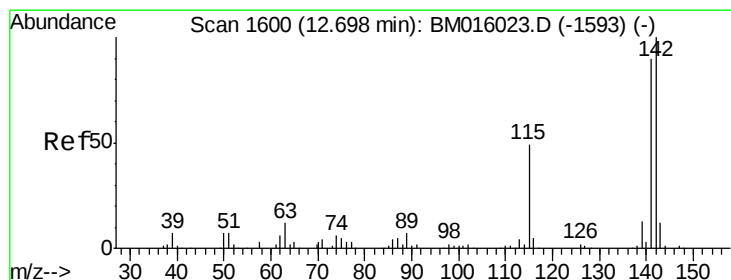
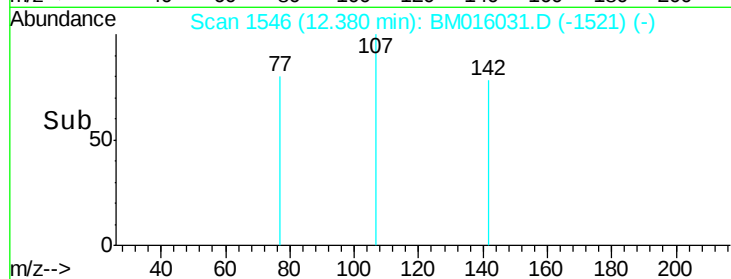
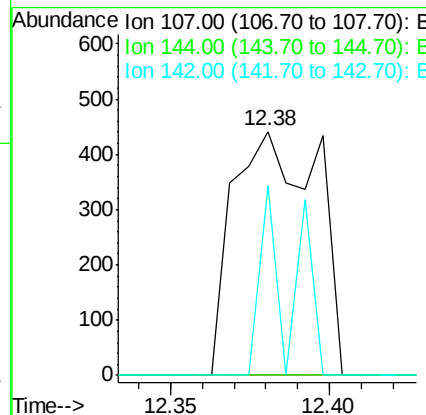
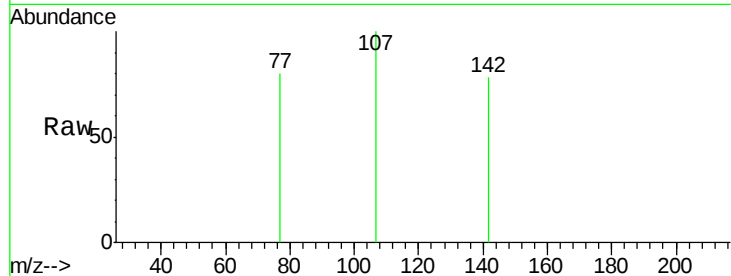




#36
 4-Chloro-3-methylphenol
 Concen: 0.344 ng
 RT: 12.38 min Scan# 1546
 Delta R.T. 0.05 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

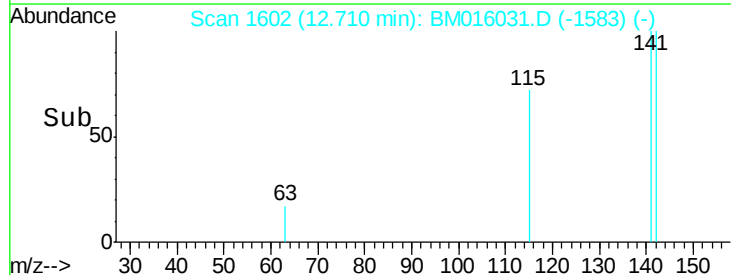
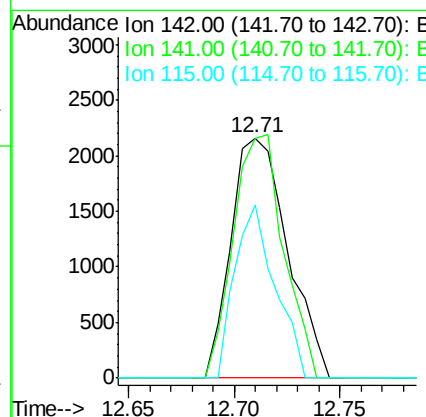
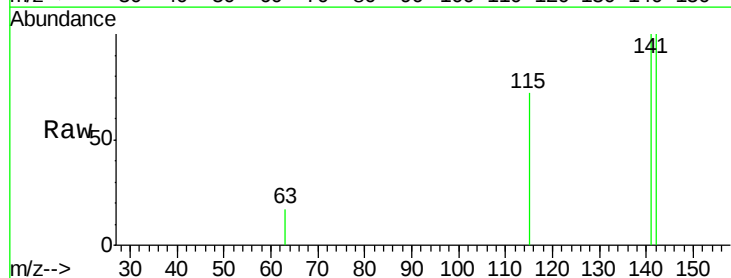
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

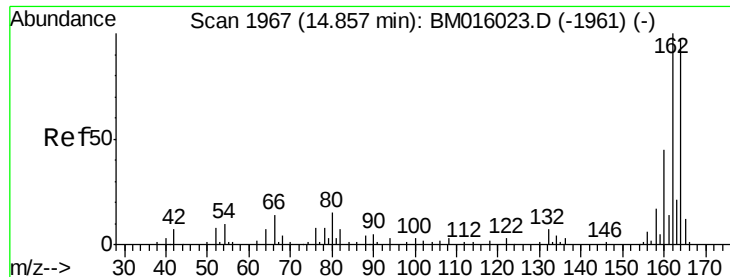
Tgt Ion:107 Resp: 807
 Ion Ratio Lower Upper
 107 100
 144 0.0 23.3 34.9#
 142 78.0 72.6 109.0



#37
 2-Methylnaphthalene
 Concen: 0.832 ng
 RT: 12.71 min Scan# 1602
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:142 Resp: 4021
 Ion Ratio Lower Upper
 142 100
 141 99.8 71.9 107.9
 115 71.9 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: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

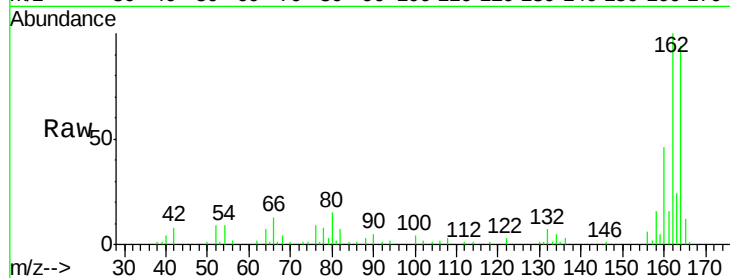
Tgt Ion:164 Resp: 76755

Ion Ratio Lower Upper

164 100

162 106.0 82.4 123.6

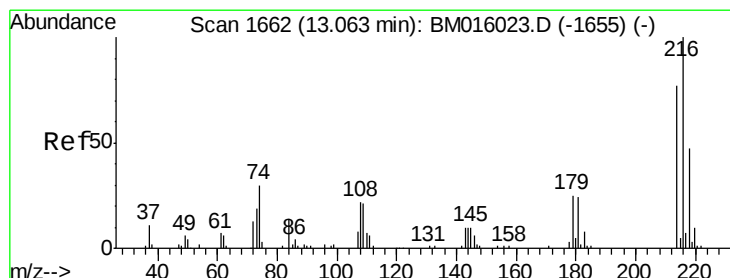
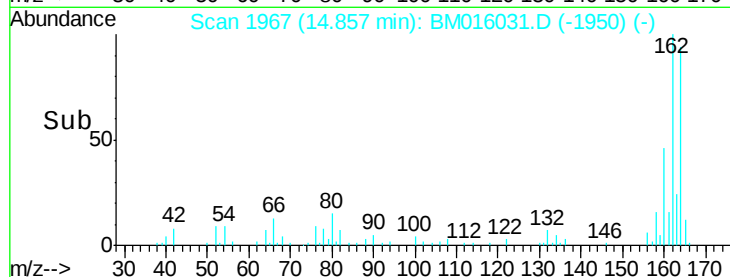
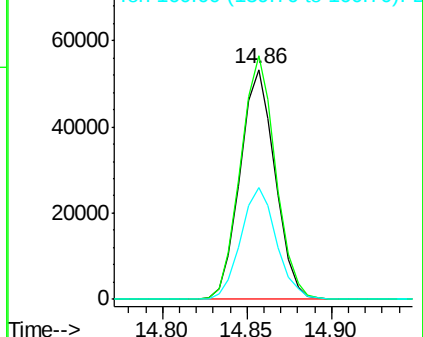
160 48.9 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 0.684 ng

RT: 13.07 min Scan# 1663

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Tgt Ion:216 Resp: 1787

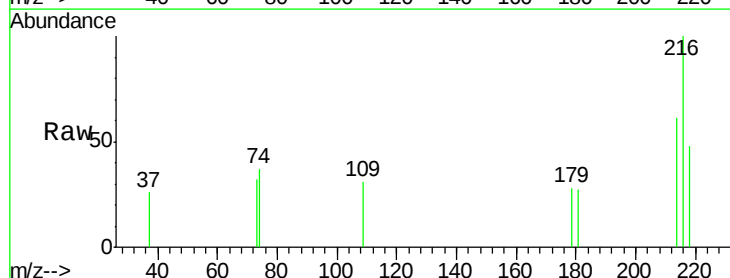
Ion Ratio Lower Upper

216 100

214 77.6 0.0 0.0#

179 19.3 0.0 0.0#

108 6.0 0.0 0.0#

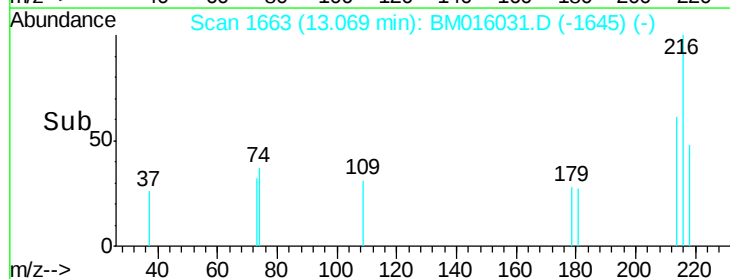
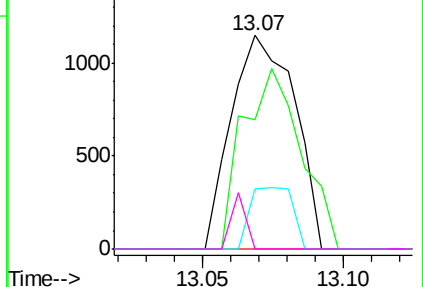


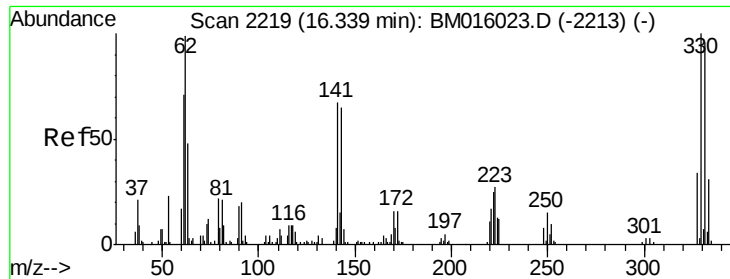
Abundance Ion 216.00 (215.70 to 216.70): E

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

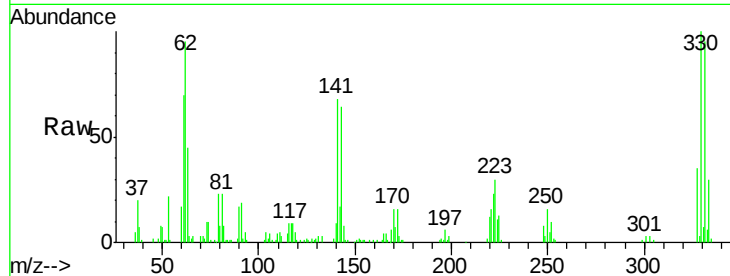




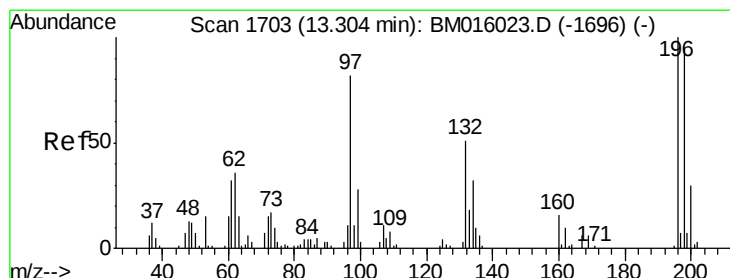
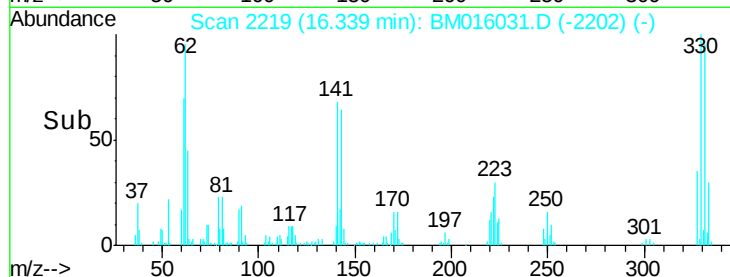
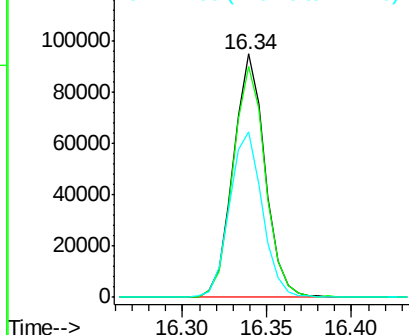
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 330 Resp: 123975
 Ion Ratio Lower Upper
 330 100
 332 96.4 0.0 0.0#
 141 70.2 0.0 0.0#

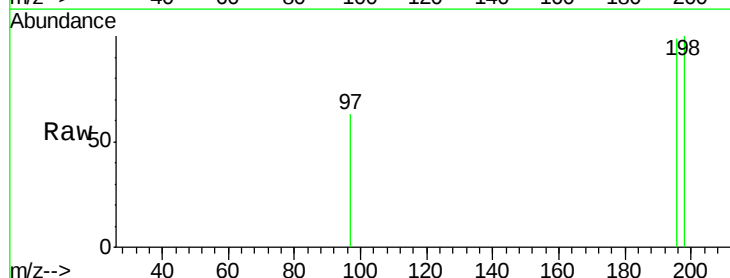


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

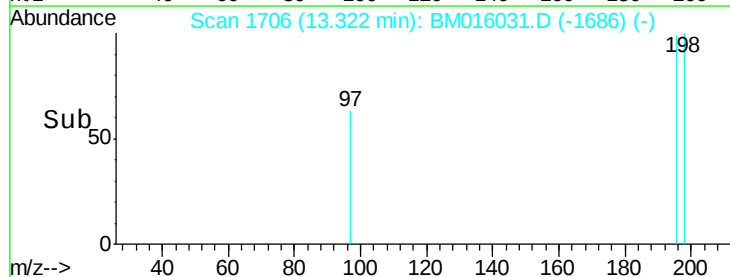
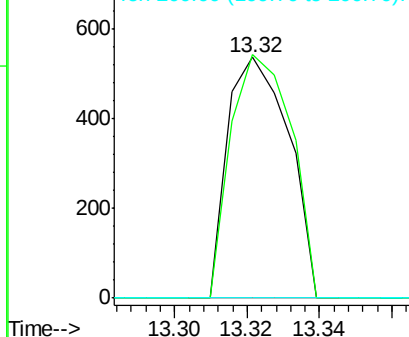


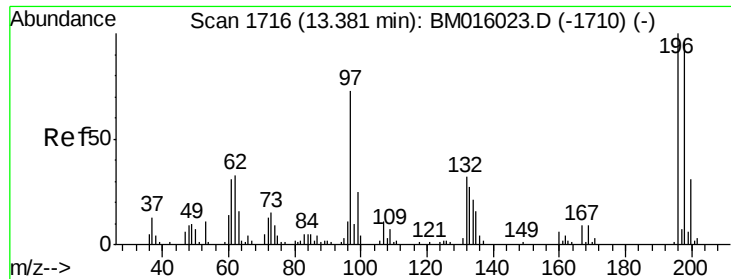
#42
 2,4,6-Trichlorophenol
 Concen: 0.384 ng
 RT: 13.32 min Scan# 1706
 Delta R.T. 0.02 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion: 196 Resp: 628
 Ion Ratio Lower Upper
 196 100
 198 101.1 76.3 114.5
 200 0.0 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

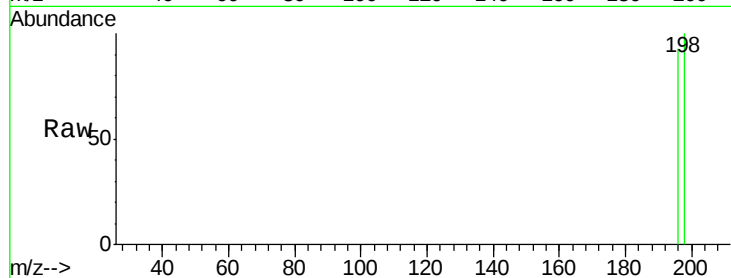




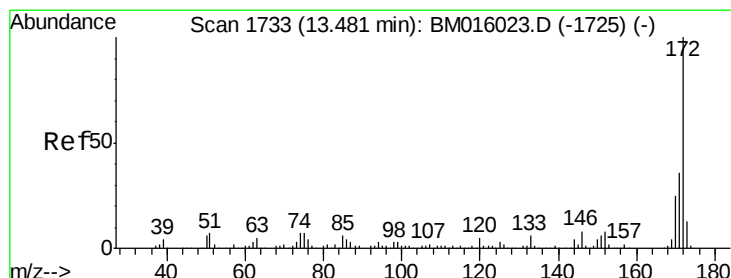
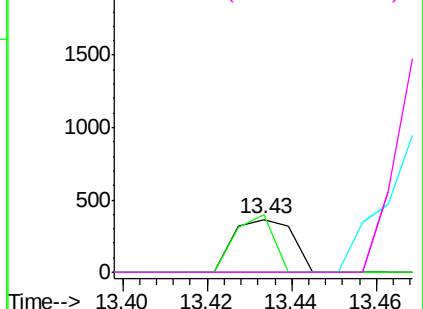
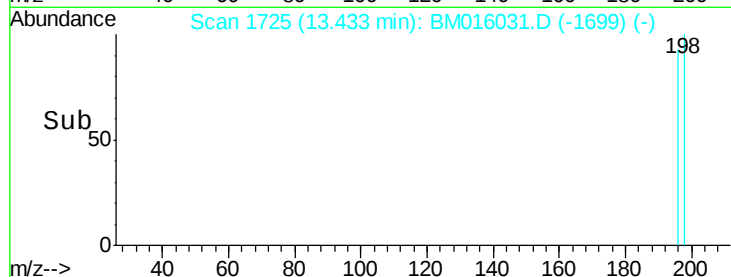
#43
 2,4,5-Trichlorophenol
 Concen: 0.211 ng
 RT: 13.43 min Scan# 1725
 Delta R.T. 0.05 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:196 Resp: 356
 Ion Ratio Lower Upper
 196 100
 198 107.6 79.4 119.0
 97 0.0 26.8 40.2#
 132 0.0 18.6 28.0#

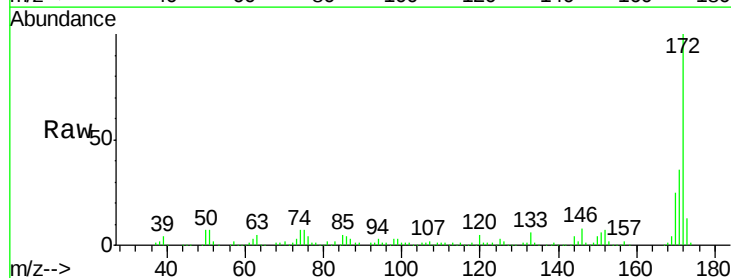


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BM0
 Ion 132.00 (131.70 to 132.70): E

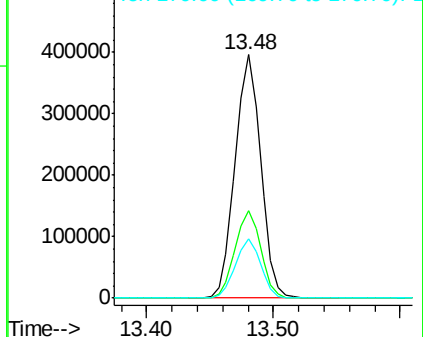
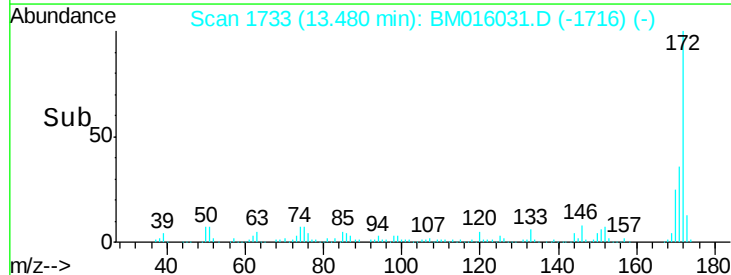


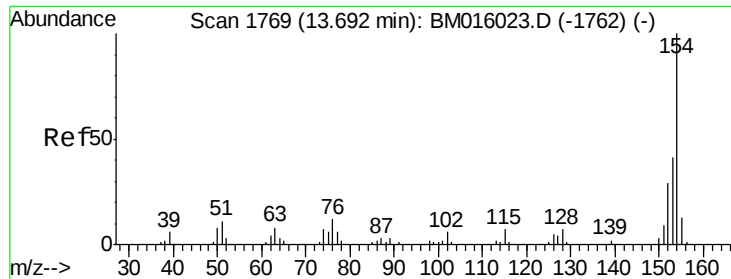
#44
 2-Fluorobiphenyl
 Concen: 0.211 ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:172 Resp: 554371
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.5 42.7
 170 24.5 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

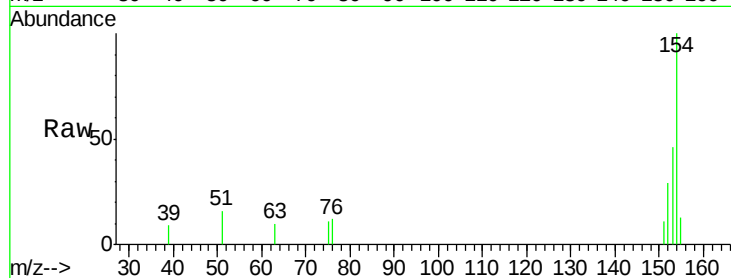




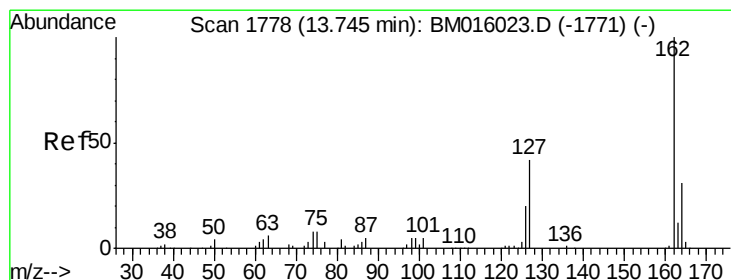
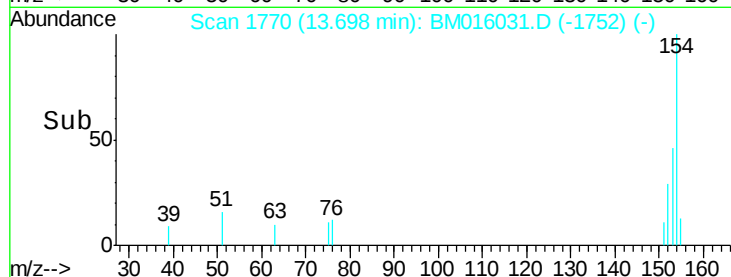
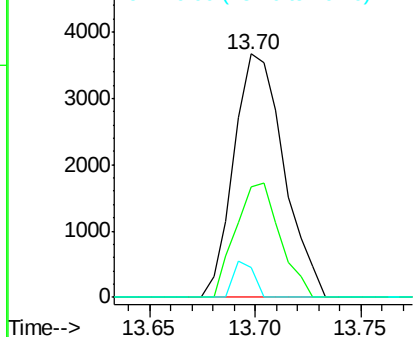
#45
 1,1'-Biphenyl
 Concen: 0.869 ng
 RT: 13.70 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:154 Resp: 6022
 Ion Ratio Lower Upper
 154 100
 153 45.6 20.7 60.7
 76 12.2 0.0 30.9

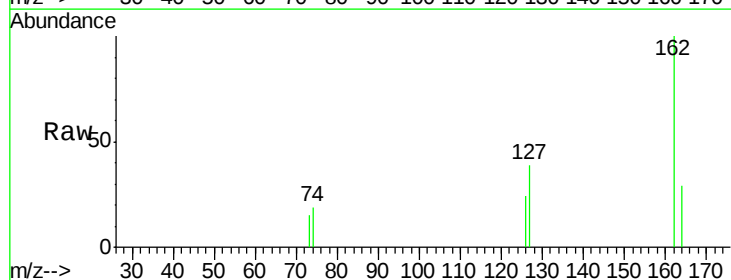


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

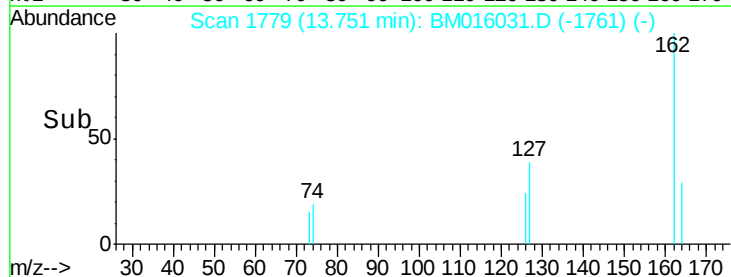
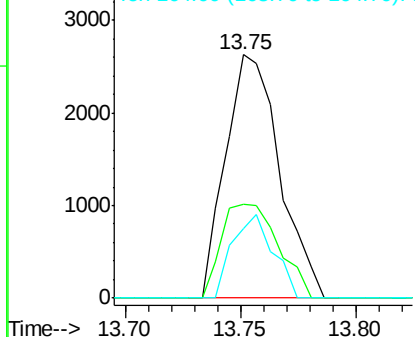


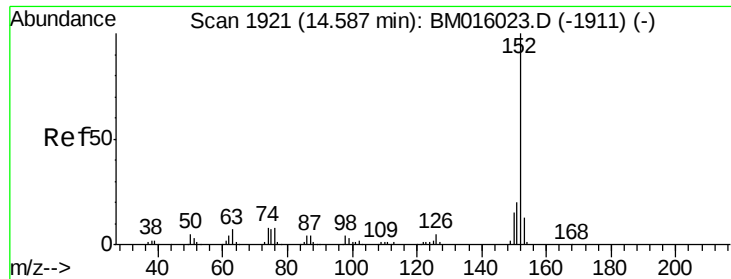
#46
 2-Chloronaphthalene
 Concen: 0.792 ng
 RT: 13.75 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:162 Resp: 4268
 Ion Ratio Lower Upper
 162 100
 127 38.7 26.9 40.3
 164 28.5 26.8 40.2



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#48

Acenaphthylene

Concen: 0.766 ng

RT: 14.59 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

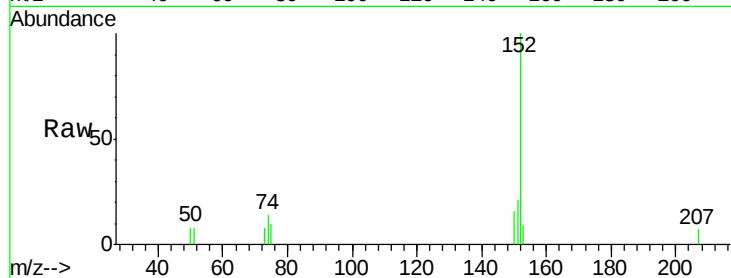
Tgt Ion:152 Resp: 6041

Ion Ratio Lower Upper

152 100

151 20.7 15.9 23.9

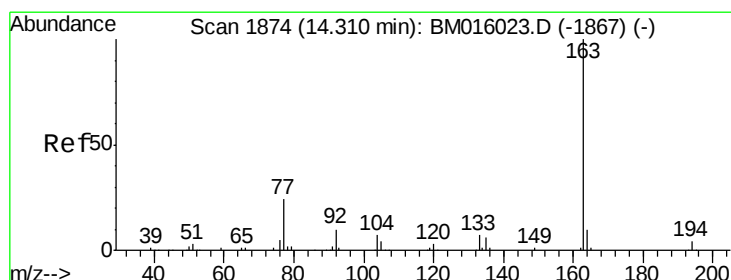
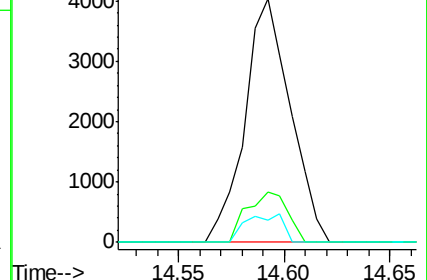
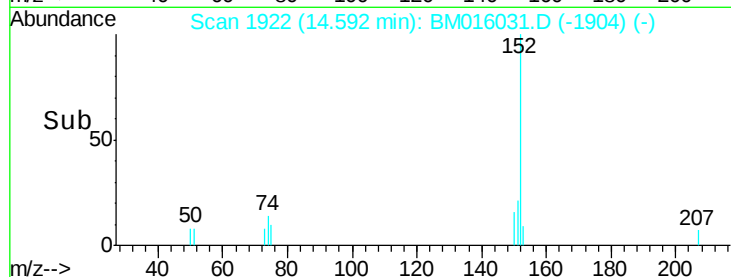
153 9.3 10.6 16.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.757 ng

RT: 14.31 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

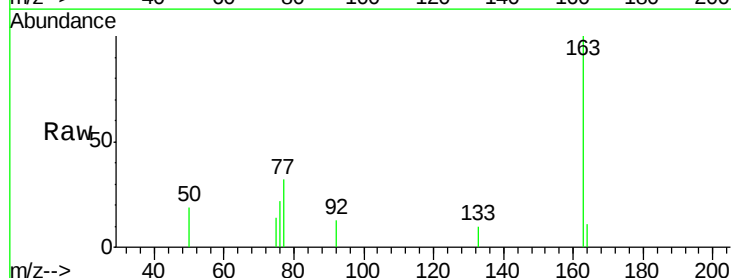
Tgt Ion:163 Resp: 5087

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

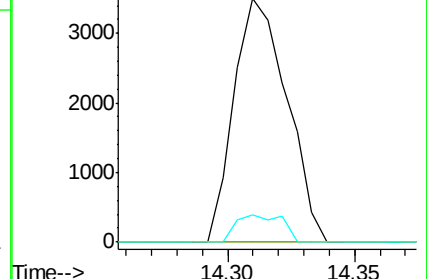
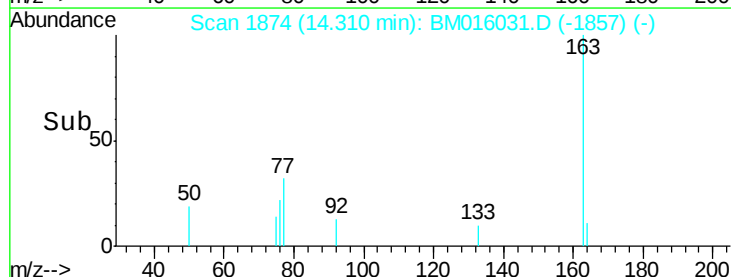
164 11.2 8.2 12.2

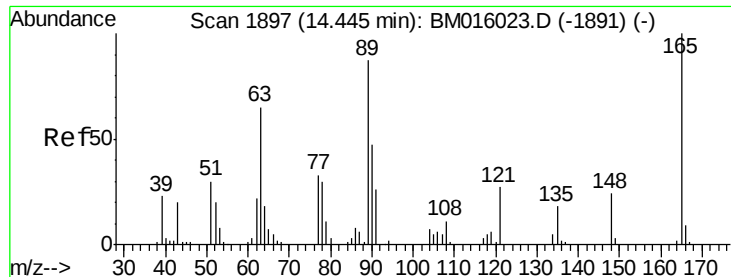


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

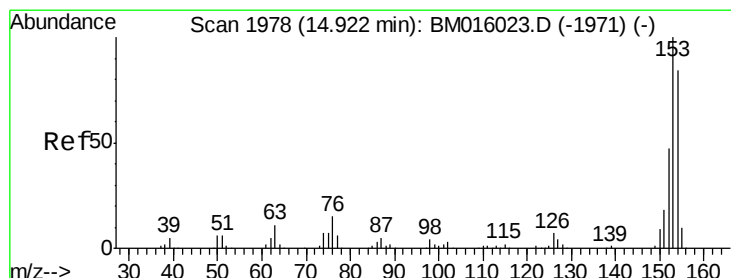
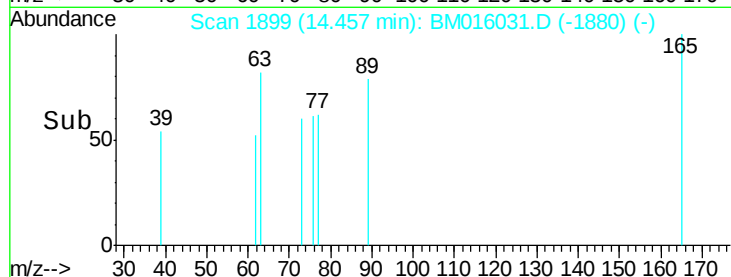
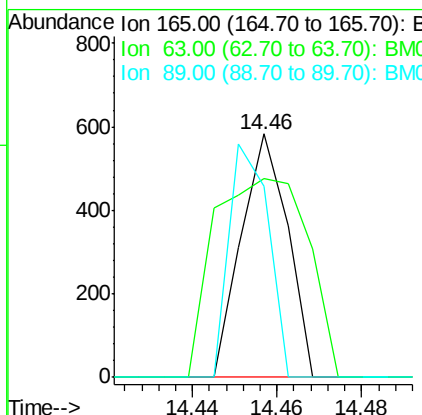
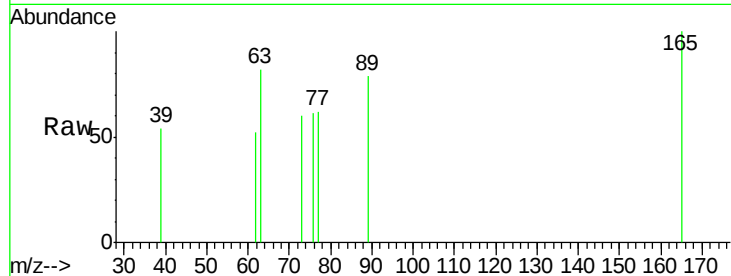




#50
 2,6-Dinitrotoluene
 Concen: 0.329 ng
 RT: 14.46 min Scan# 1899
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

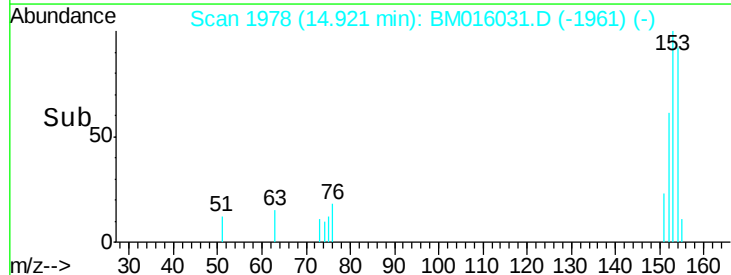
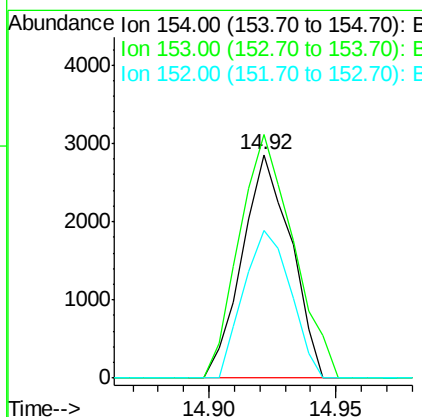
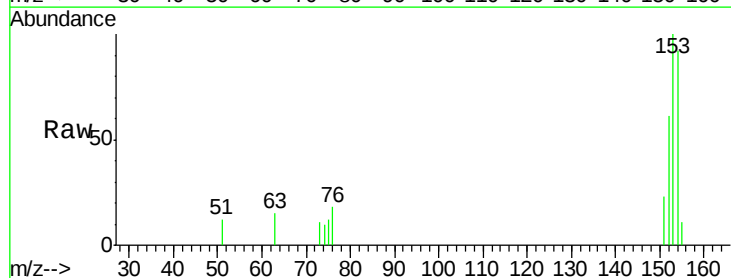
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

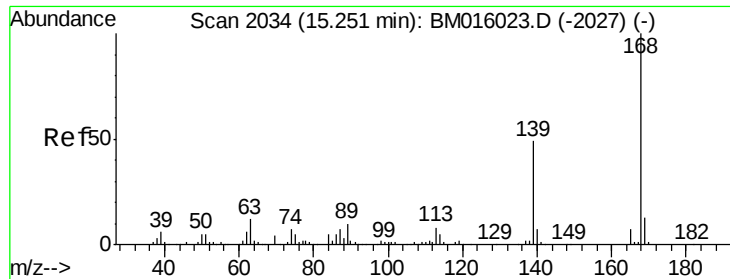
Tgt Ion:165 Resp: 444
 Ion Ratio Lower Upper
 165 100
 63 81.8 44.1 66.1#
 89 78.7 44.3 66.5#



#51
 Acenaphthene
 Concen: 0.786 ng
 RT: 14.92 min Scan# 1978
 Delta R.T. -0.00 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:154 Resp: 3815
 Ion Ratio Lower Upper
 154 100
 153 108.9 90.0 135.0
 152 66.2 42.6 63.8#





#54

Dibenzofuran

Concen: 0.810 ng

RT: 15.26 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

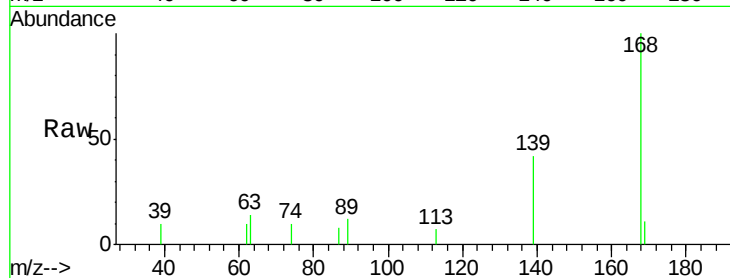
Tgt Ion:168 Resp: 6476

Ion Ratio Lower Upper

168 100

139 42.4 27.3 40.9#

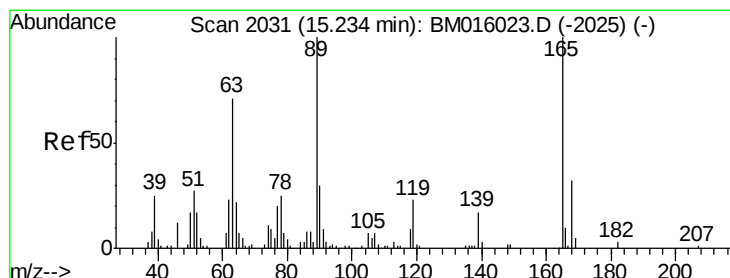
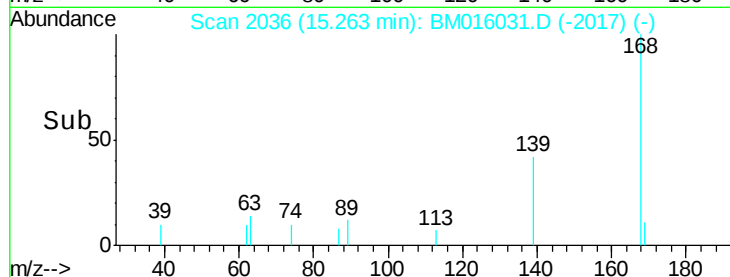
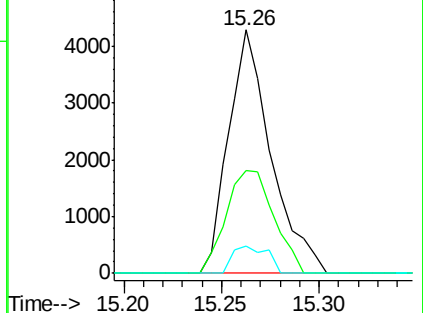
169 11.2 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 0.278 ng

RT: 15.27 min Scan# 2037

Delta R.T. 0.03 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Tgt Ion:165 Resp: 537

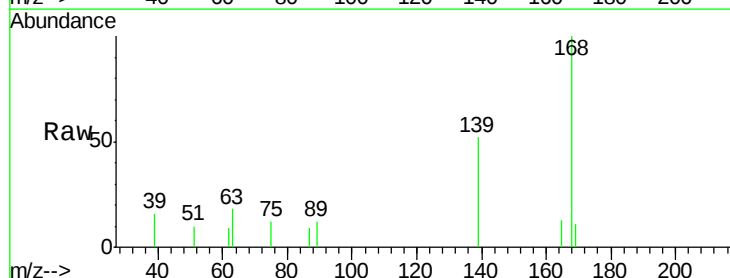
Ion Ratio Lower Upper

165 100

63 137.9 52.4 78.6#

89 89.8 72.4 108.6

182 0.0 2.0 3.0#

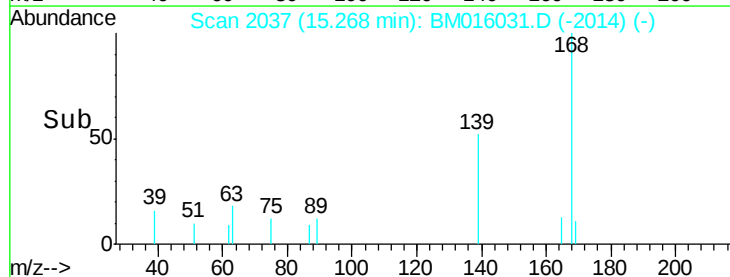
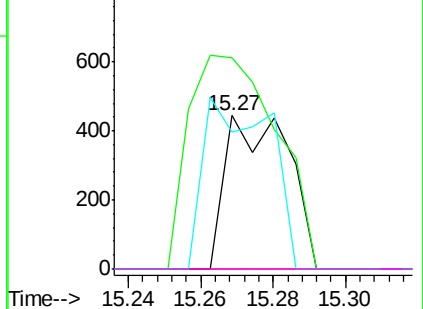


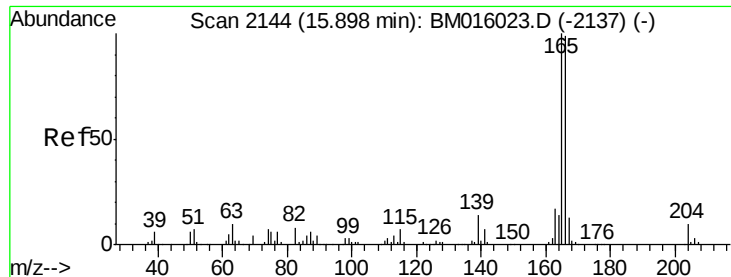
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E

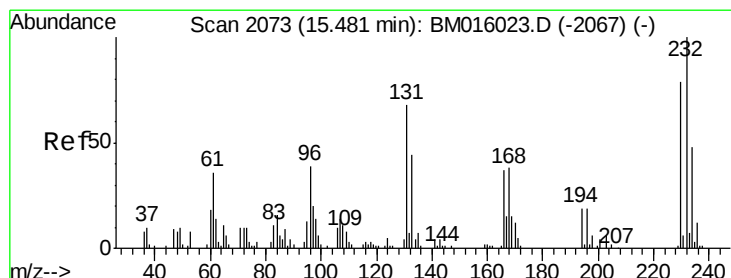
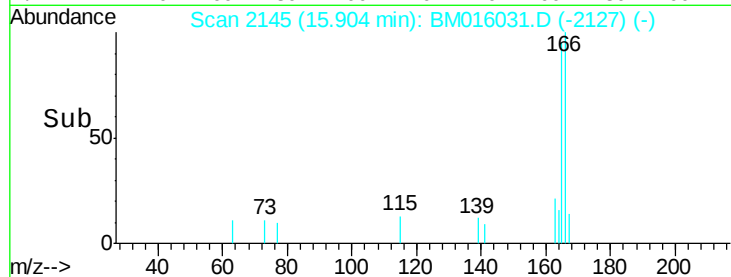
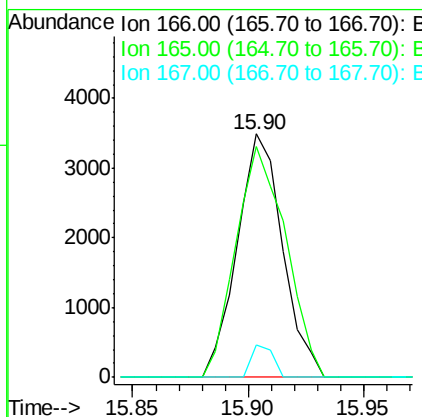
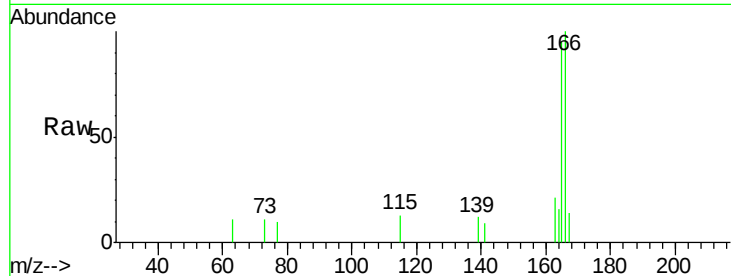




#57
 Fluorene
 Concen: 0.805 ng
 RT: 15.90 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

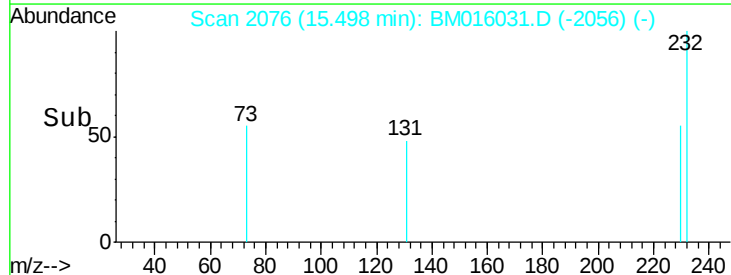
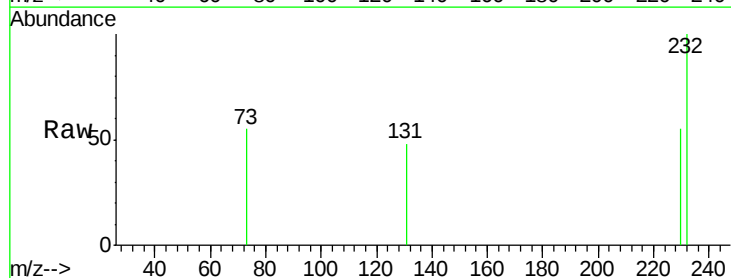
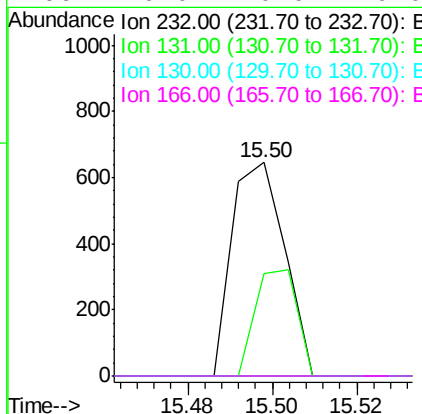
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

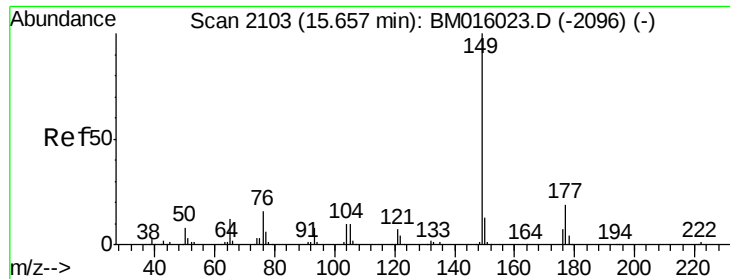
Tgt Ion:166 Resp: 4782
 Ion Ratio Lower Upper
 166 100
 165 94.9 79.0 118.4
 167 13.5 10.3 15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.384 ng
 RT: 15.50 min Scan# 2076
 Delta R.T. 0.02 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:232 Resp: 557
 Ion Ratio Lower Upper
 232 100
 131 40.2 0.0 0.0#
 130 0.0 0.0 0.0
 166 0.0 0.0 0.0

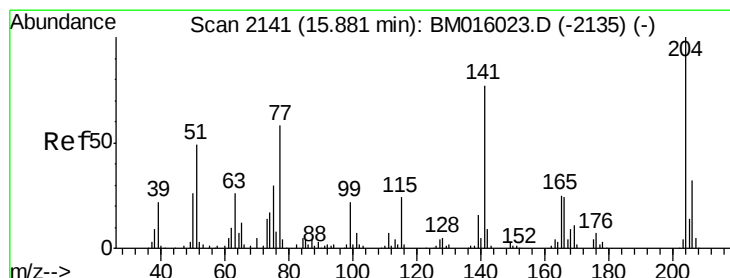
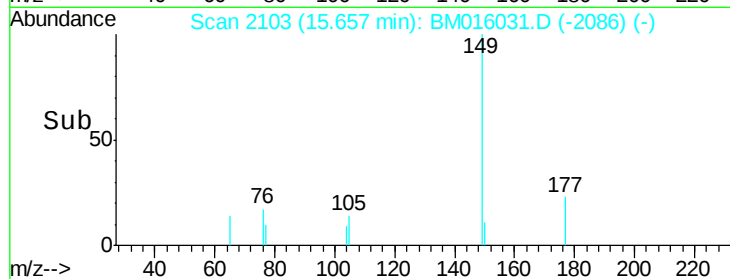
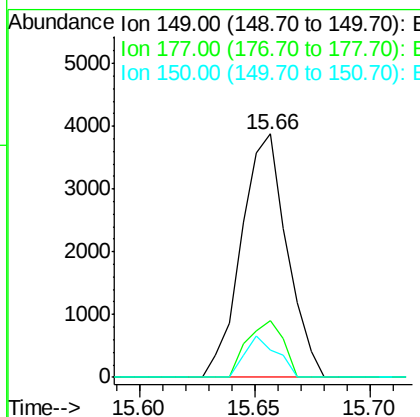
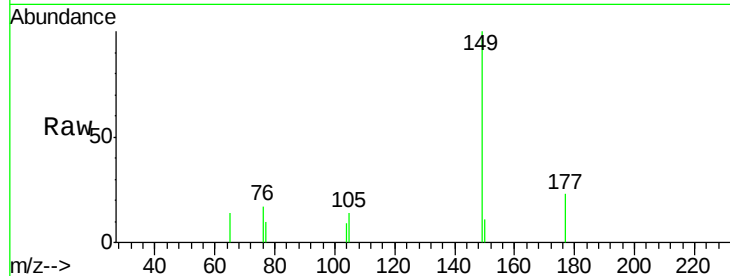




#59
Diethylphthalate
Concen: 0.737 ng
RT: 15.66 min Scan# 2103
Delta R.T. -0.00 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

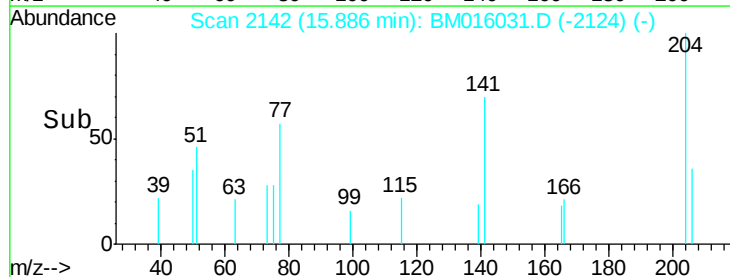
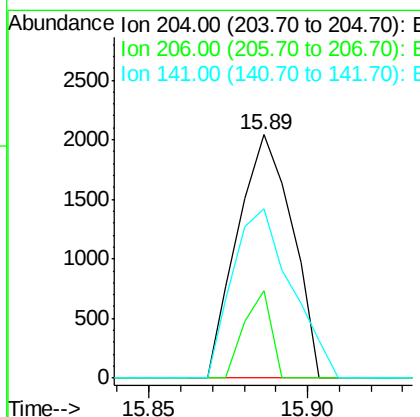
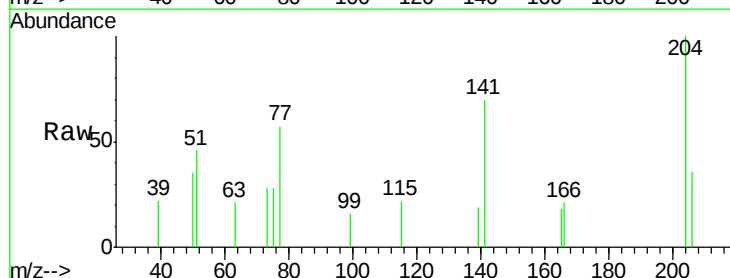
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

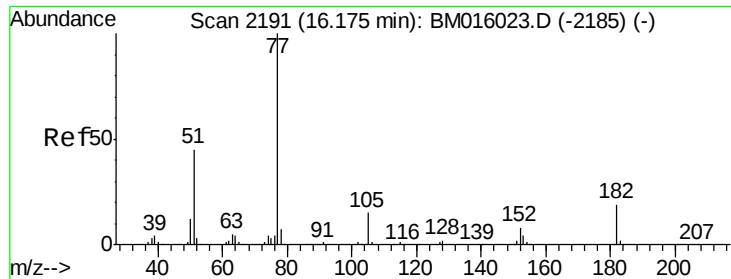
Tgt Ion:149 Resp: 5334
Ion Ratio Lower Upper
149 100
177 23.4 18.3 27.5
150 11.4 9.8 14.8



#60
4-Chlorophenyl-phenylether
Concen: 0.739 ng
RT: 15.89 min Scan# 2142
Delta R.T. 0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion:204 Resp: 2444
Ion Ratio Lower Upper
204 100
206 35.7 26.6 39.8
141 69.7 45.2 67.8#





#62

Azobenzene

Concen: 0.611 ng

RT: 16.18 min Scan# 2192

Delta R.T. 0.01 min

Lab File: BM016031.D

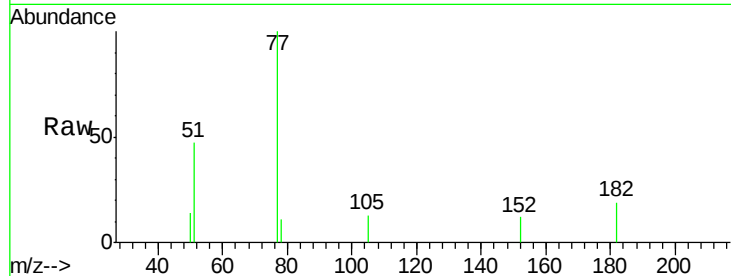
Acq: 23 Jul 2018 18:23

Instrument :

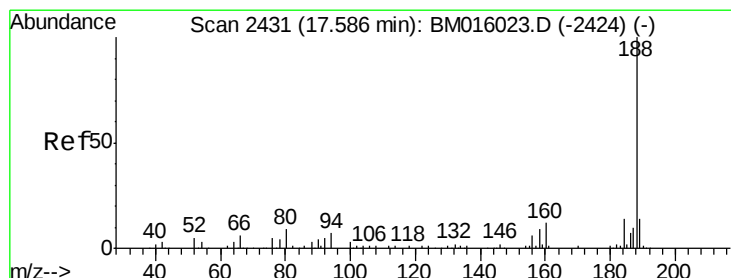
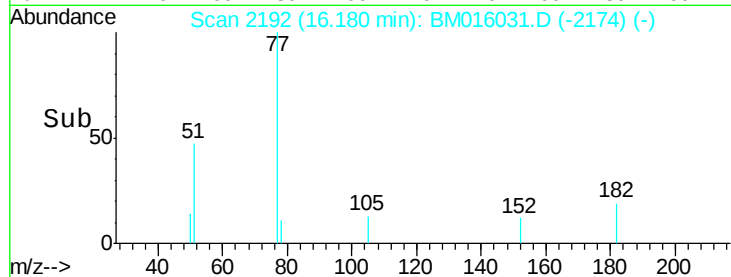
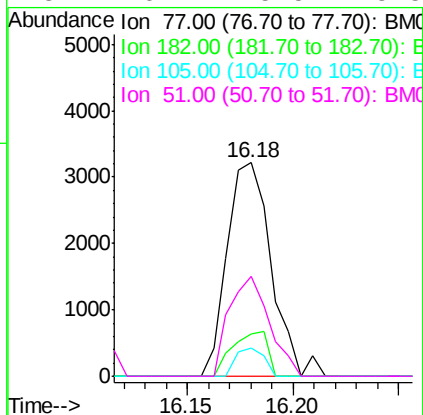
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018



Tgt Ion:	77	Resp:	4660
Ion	Ratio	Lower	Upper
77	100		
182	19.5	6.5	46.5
105	13.5	3.8	43.8
51	46.7	5.5	45.5#



#63

Phenanthrene-d10

Concen: 20.000 ng

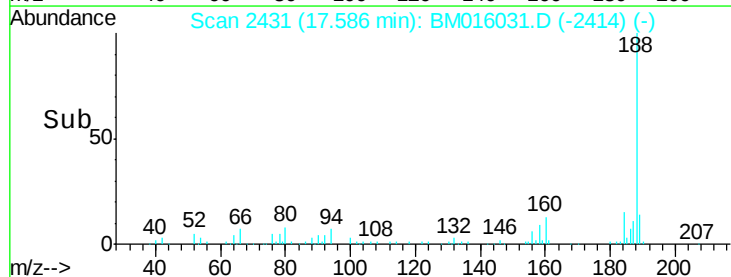
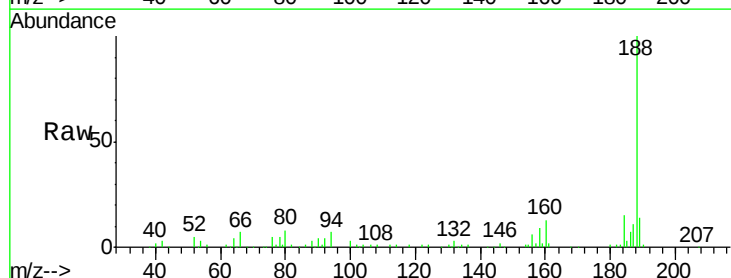
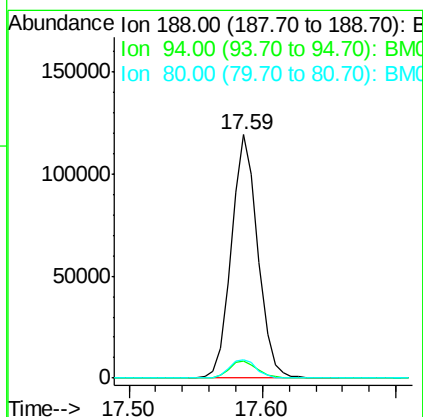
RT: 17.59 min Scan# 2431

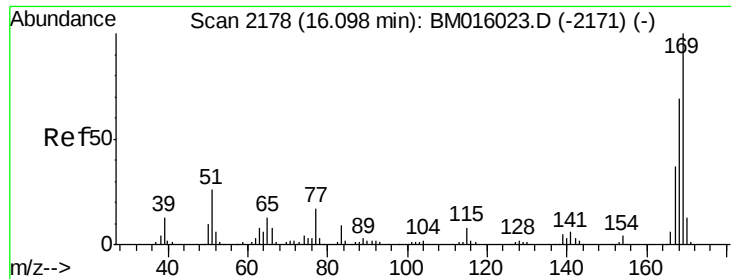
Delta R.T. -0.00 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Tgt Ion:	188	Resp:	164263
Ion	Ratio	Lower	Upper
188	100		
94	7.0	8.7	13.1#
80	7.6	9.3	13.9#

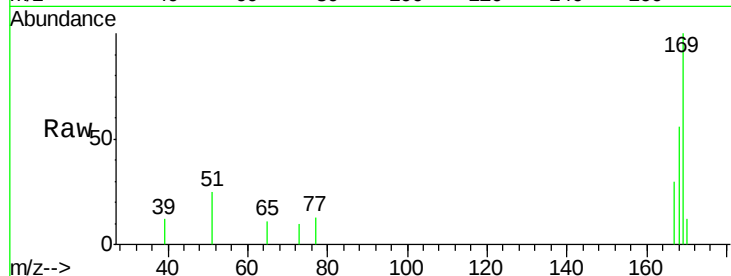




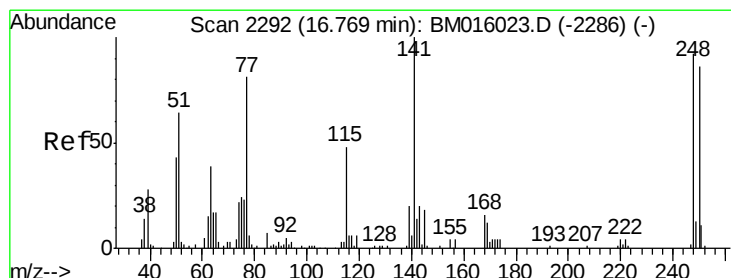
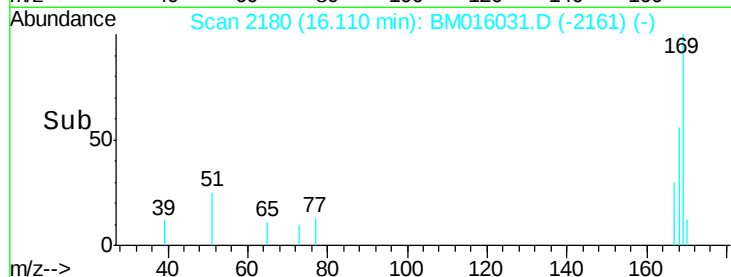
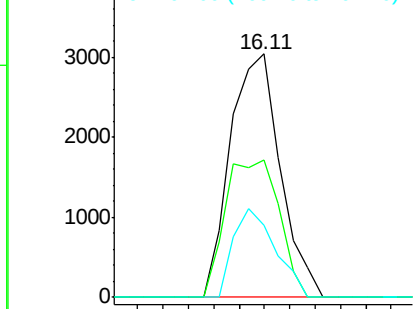
#65
 n-Nitrosodiphenylamine
 Concen: 0.774 ng
 RT: 16.11 min Scan# 2180
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:169 Resp: 4185
 Ion Ratio Lower Upper
 169 100
 168 56.3 53.9 80.9
 167 29.6 28.9 43.3

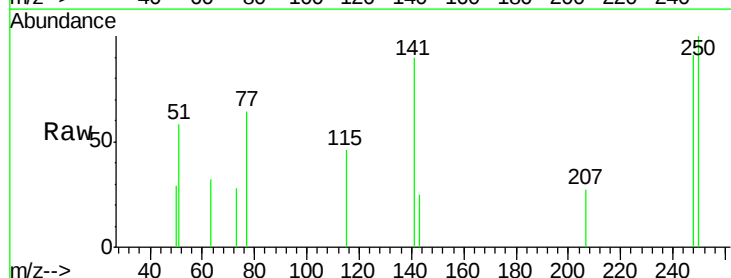


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

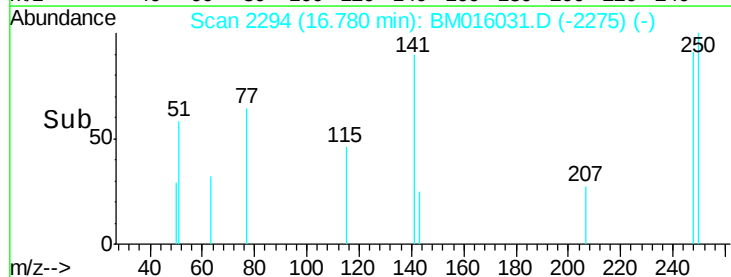
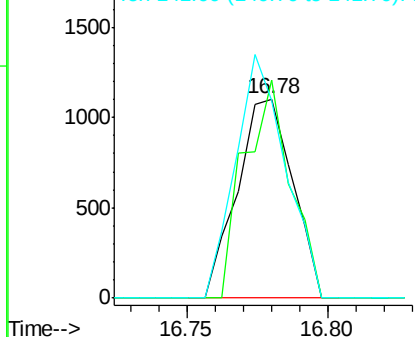


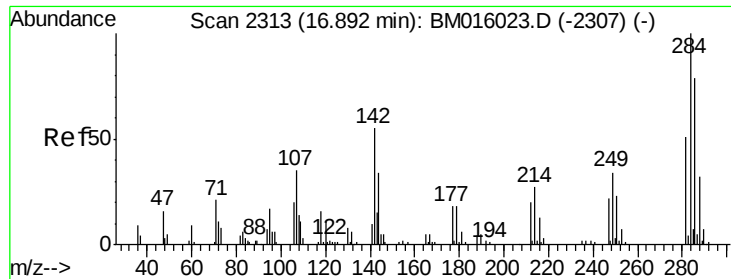
#66
 4-Bromophenyl-phenylether
 Concen: 0.805 ng
 RT: 16.78 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:248 Resp: 1497
 Ion Ratio Lower Upper
 248 100
 250 109.6 77.4 116.0
 141 99.1 45.2 67.8#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

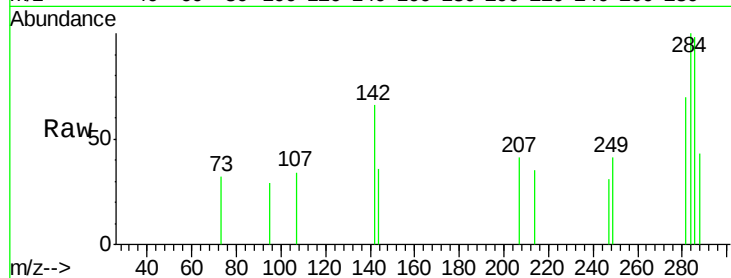




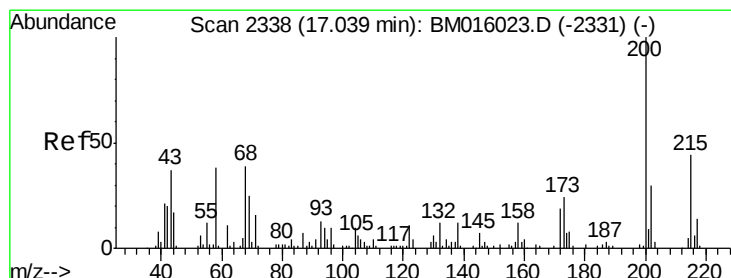
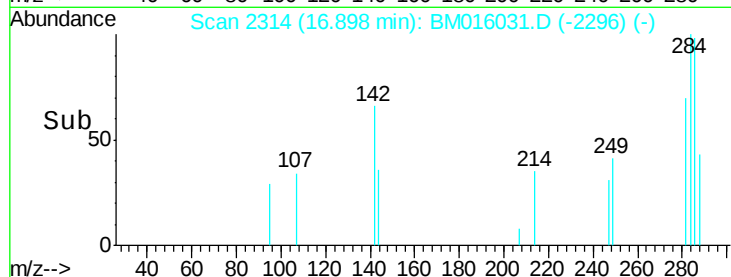
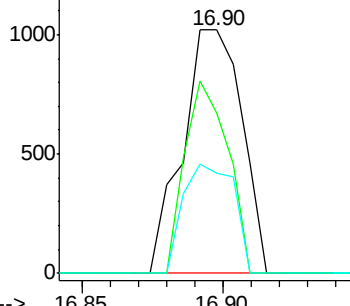
#67
Hexachlorobenzene
Concen: 0.726 ng
RT: 16.90 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 284 Resp: 1487
Ion Ratio Lower Upper
284 100
142 65.8 20.4 30.6#
249 41.3 23.8 35.6#

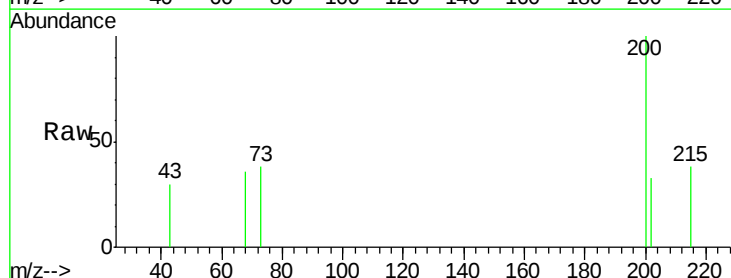


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

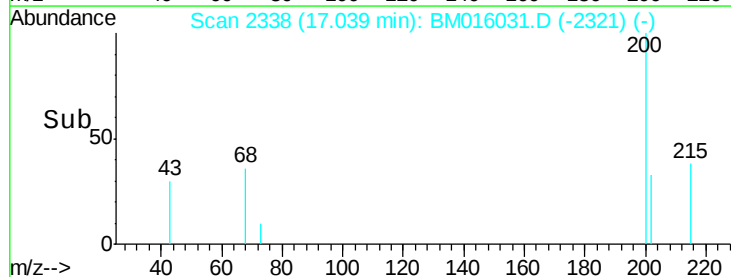
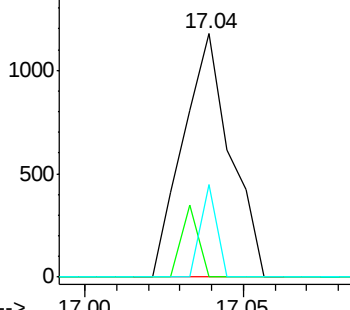


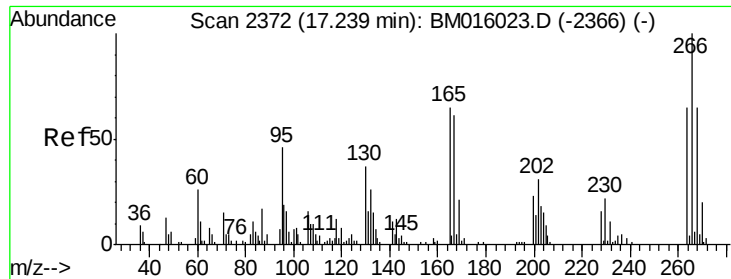
#68
Atrazine
Concen: 0.625 ng
RT: 17.04 min Scan# 2338
Delta R.T. -0.00 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion: 200 Resp: 1211
Ion Ratio Lower Upper
200 100
173 0.0 4.8 44.8#
215 37.8 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: 0.106 ng

RT: 17.26 min Scan# 2375

Delta R.T. 0.02 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

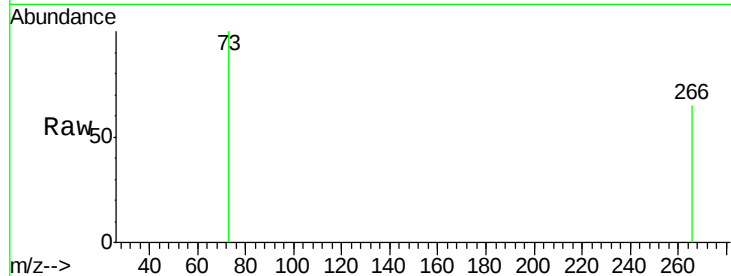
Tgt Ion:266 Resp: 135

Ion Ratio Lower Upper

266 100

268 0.0 52.0 78.0#

264 0.0 49.0 73.4#

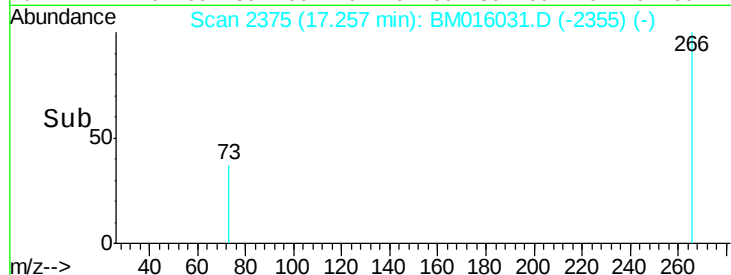


Abundance Ion 265.70 (265.40 to 266.40): E

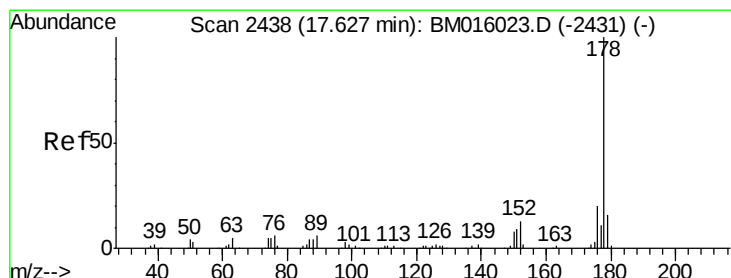
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time-->



Time-->



#70

Phenanthrene

Concen: 0.893 ng

RT: 17.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

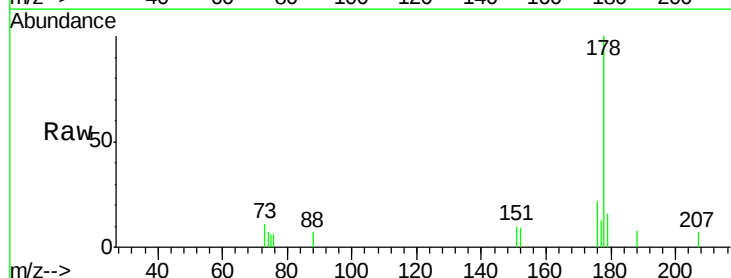
Tgt Ion:178 Resp: 8213

Ion Ratio Lower Upper

178 100

176 21.8 15.2 22.8

179 15.7 12.1 18.1

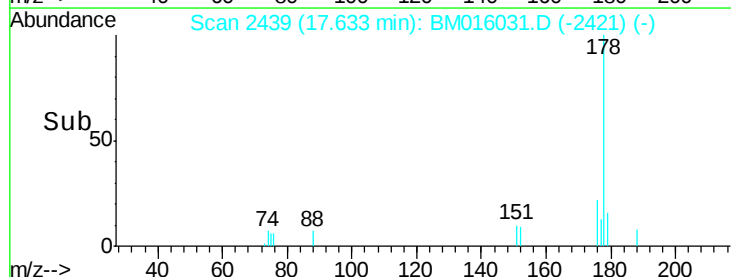


Abundance Ion 178.00 (177.70 to 178.70): E

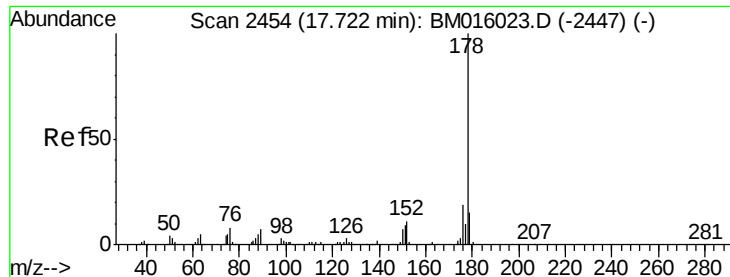
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



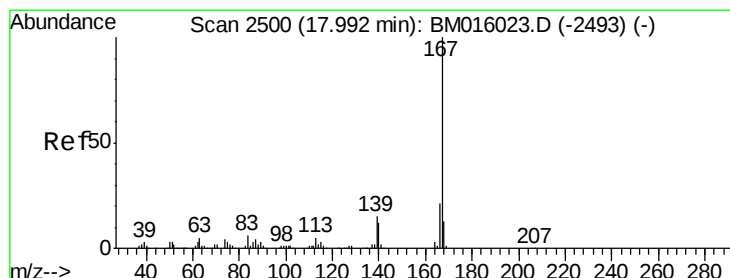
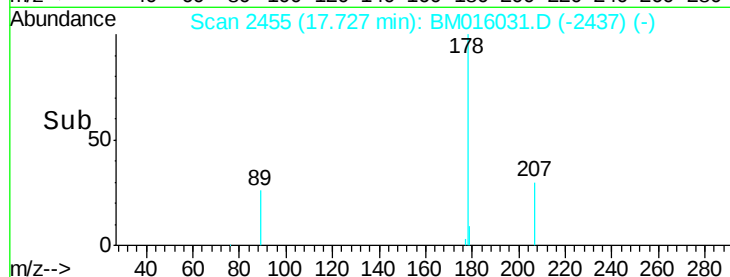
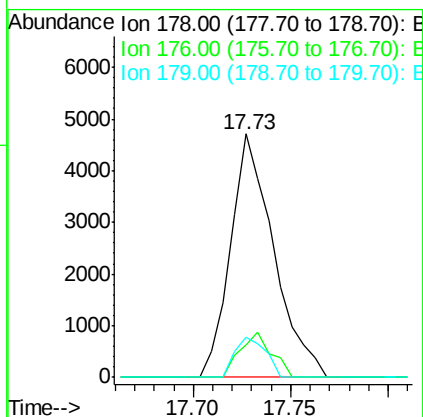
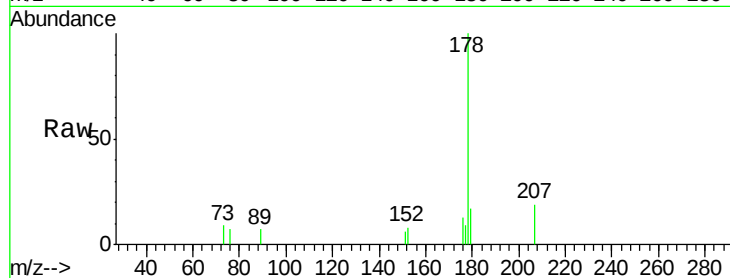
Time-->



#71
 Anthracene
 Concen: 0.807 ng
 RT: 17.73 min Scan# 2455
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

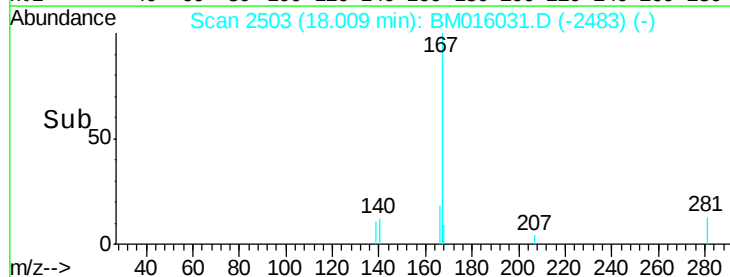
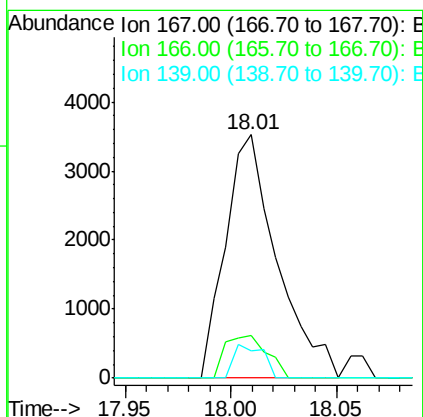
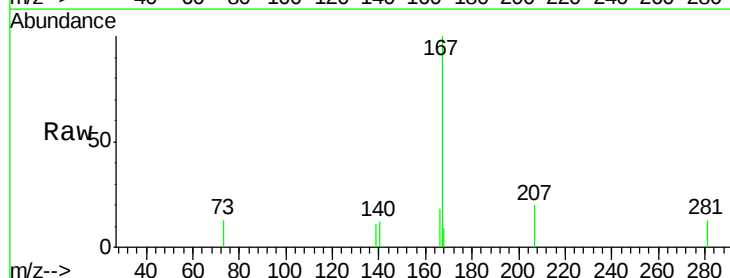
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

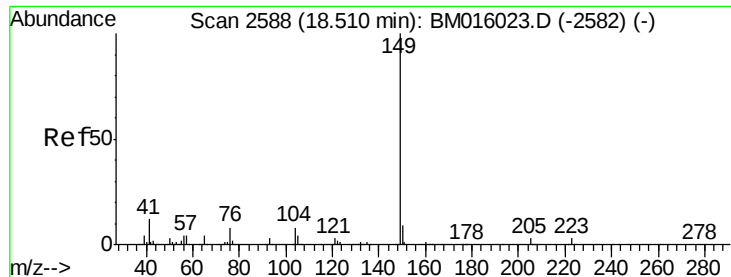
Tgt Ion:178 Resp: 7215
 Ion Ratio Lower Upper
 178 100
 176 13.4 14.6 22.0#
 179 16.6 12.6 19.0



#72
 Carbazole
 Concen: 0.644 ng
 RT: 18.01 min Scan# 2503
 Delta R.T. 0.02 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:167 Resp: 5967
 Ion Ratio Lower Upper
 167 100
 166 17.7 17.2 25.8
 139 11.4 10.8 16.2

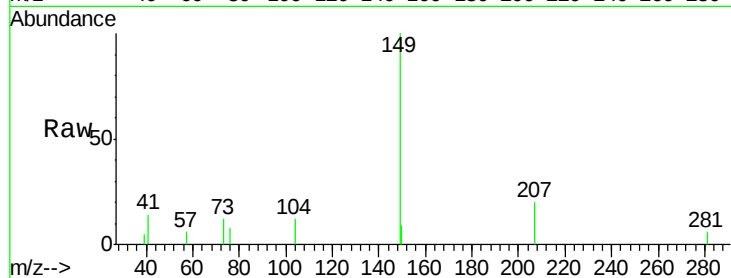




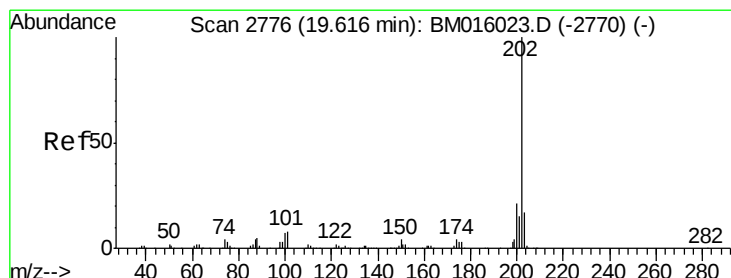
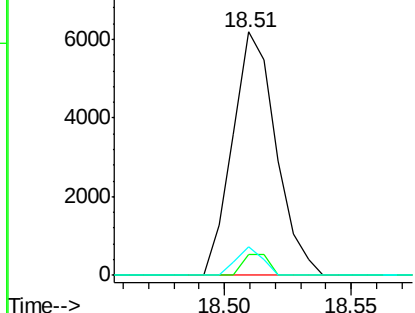
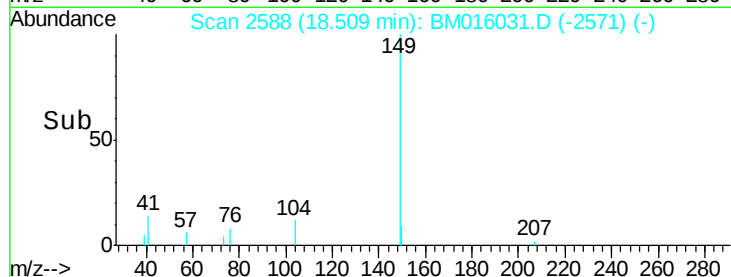
#73
Di-n-butylphthalate
Concen: 0.640 ng
RT: 18.51 min Scan# 2588
Delta R.T. -0.00 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:149 Resp: 7388
Ion Ratio Lower Upper
149 100
150 8.7 7.5 11.3
104 11.7 3.7 5.5#

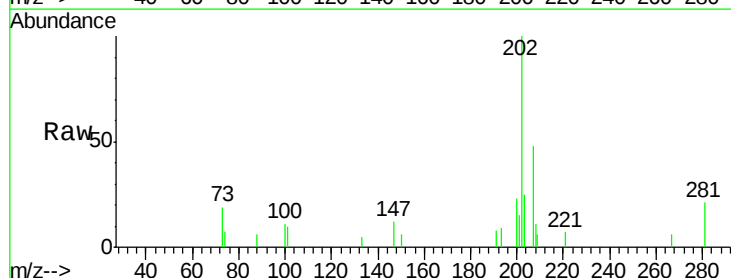


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

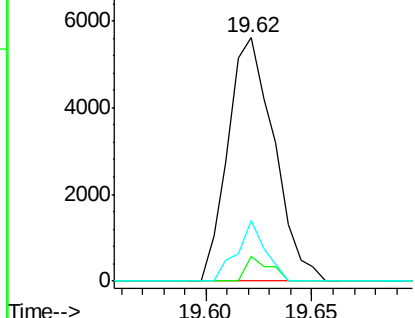
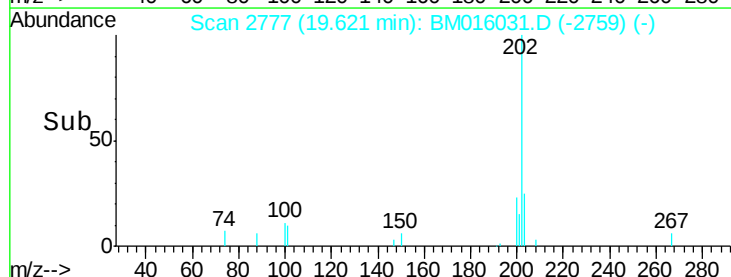


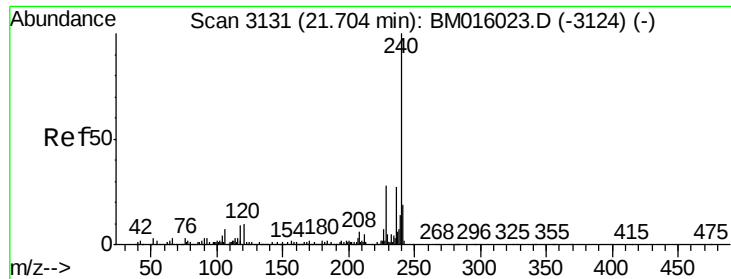
#74
Fluoranthene
Concen: 0.828 ng
RT: 19.62 min Scan# 2777
Delta R.T. 0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion:202 Resp: 8495
Ion Ratio Lower Upper
202 100
101 10.3 0.0 28.7
203 25.0 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# 3131

Delta R.T. -0.00 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

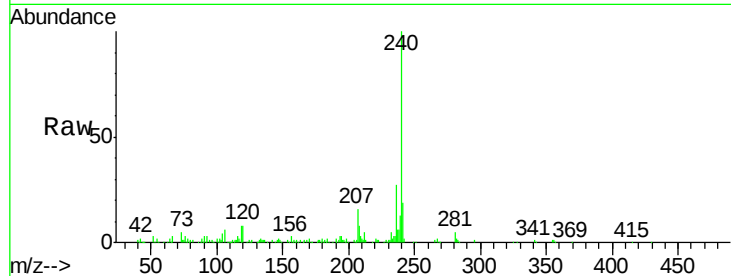
Tgt Ion:240 Resp: 178978

Ion Ratio Lower Upper

240 100

120 7.7 8.2 12.2#

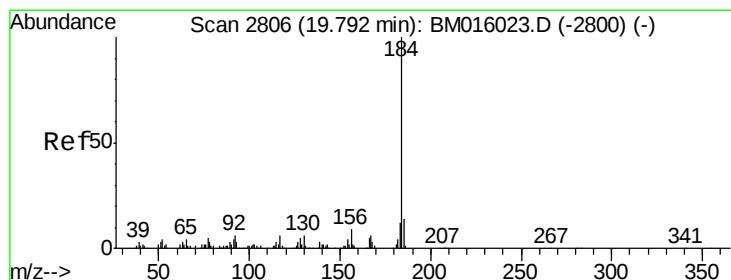
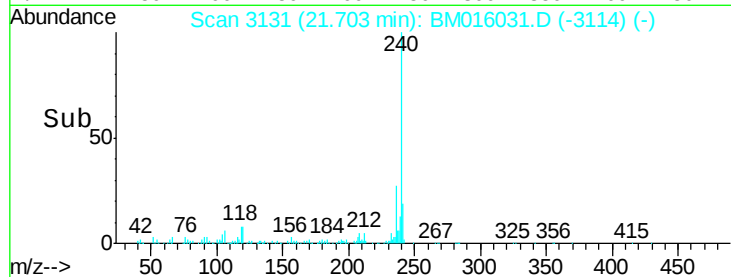
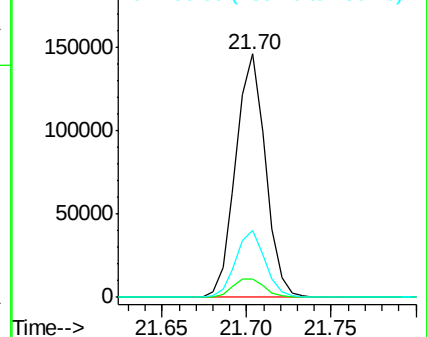
236 27.5 20.0 30.0



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: 0.166 ng

RT: 19.83 min Scan# 2812

Delta R.T. 0.03 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

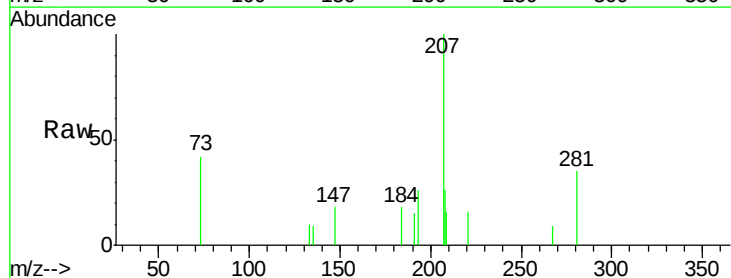
Tgt Ion:184 Resp: 832

Ion Ratio Lower Upper

184 100

185 0.0 11.3 16.9#

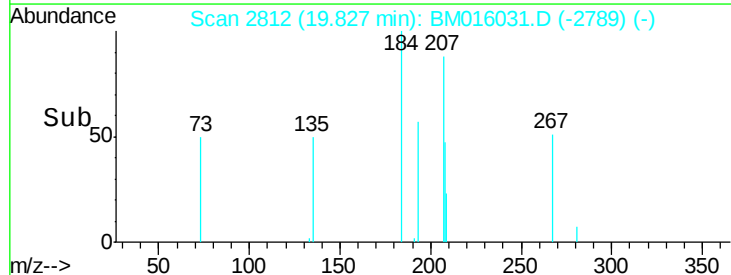
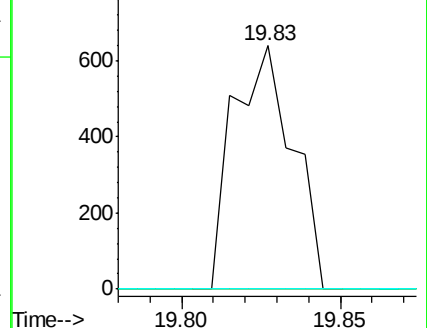
183 0.0 8.9 13.3#

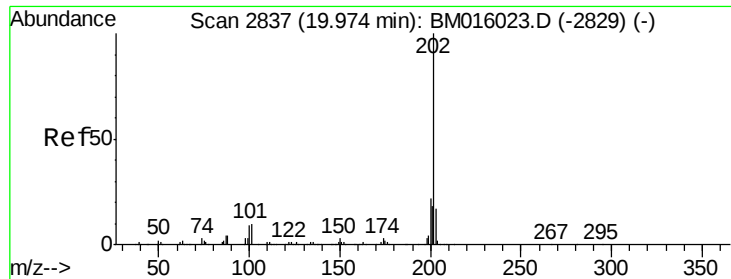


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

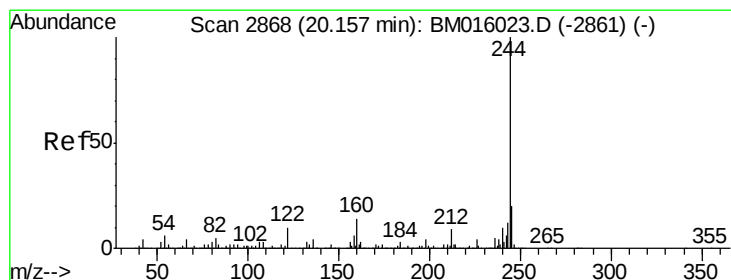
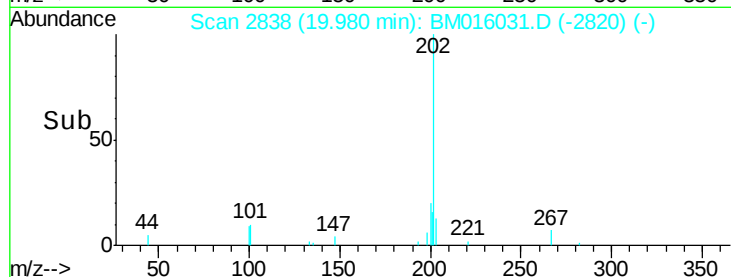
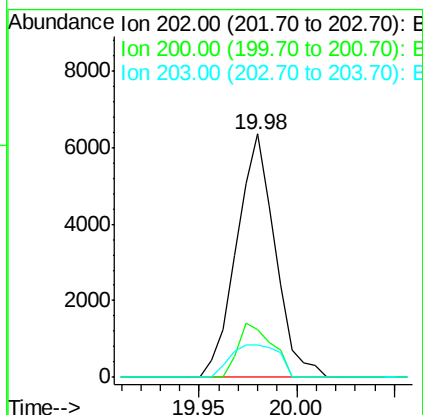
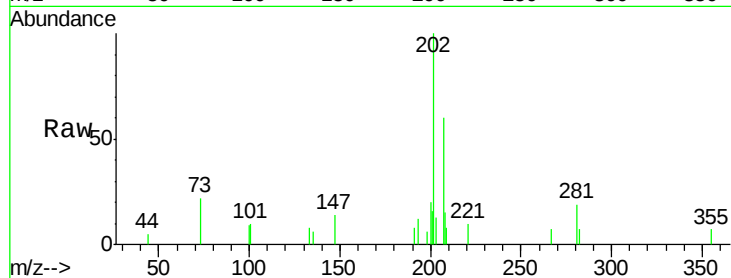




#77
 Pyrene
 Concen: 0.810 ng
 RT: 19.98 min Scan# 2838
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

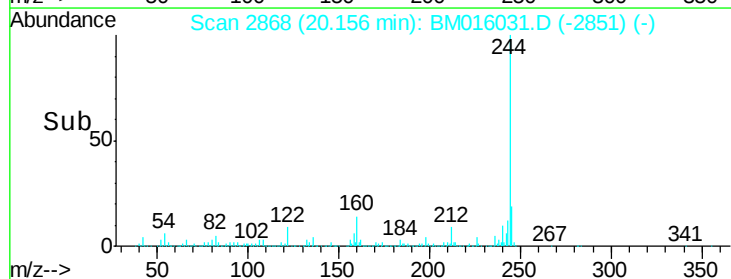
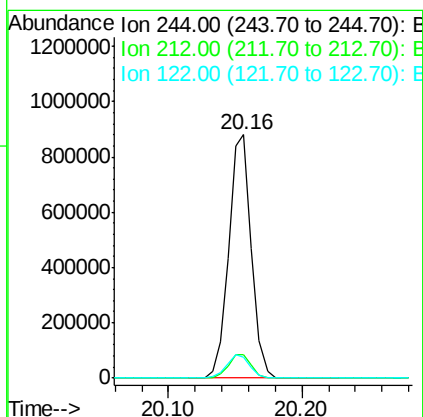
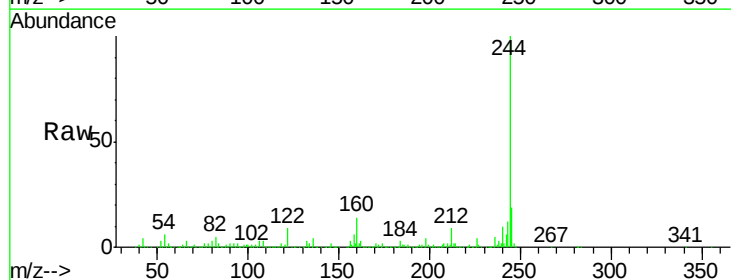
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

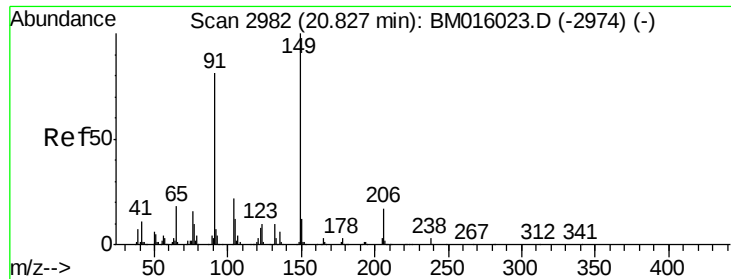
Tgt Ion: 202 Resp: 8690
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.9 25.3
 203 13.4 14.1 21.1#



#78
 Terphenyl-d14
 Concen: 0.810 ng
 RT: 20.16 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion: 244 Resp: 1040016
 Ion Ratio Lower Upper
 244 100
 212 9.4 4.9 7.3#
 122 8.8 6.2 9.4





#79

Butylbenzylphthalate

Concen: 0.721 ng

RT: 20.83 min Scan# 2982

Delta R.T. -0.00 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

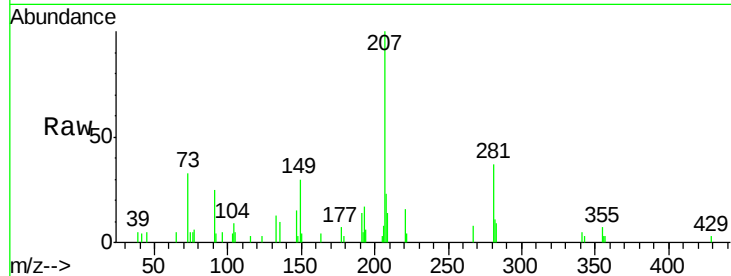
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

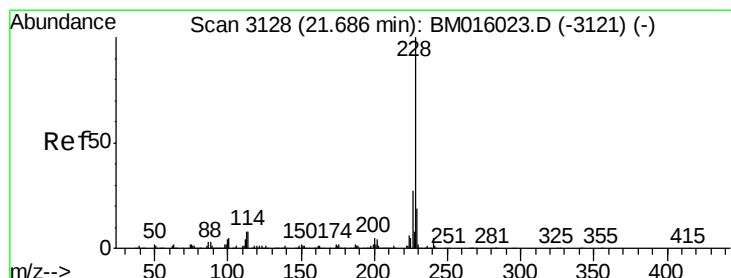
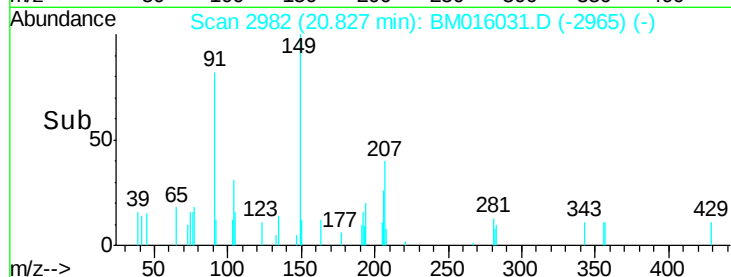
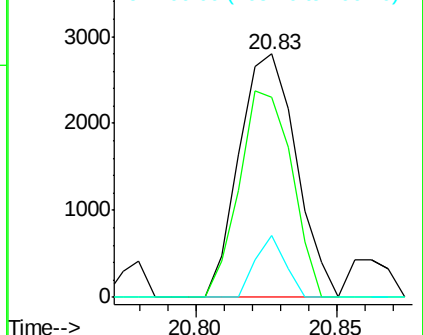
Tgt Ion:	149	Resp:	3928
Ion Ratio	Lower	Upper	
149	100		
91	82.2	50.1	75.1#
206	25.6	16.2	24.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM016031.D (-2965) (-)

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 0.948 ng

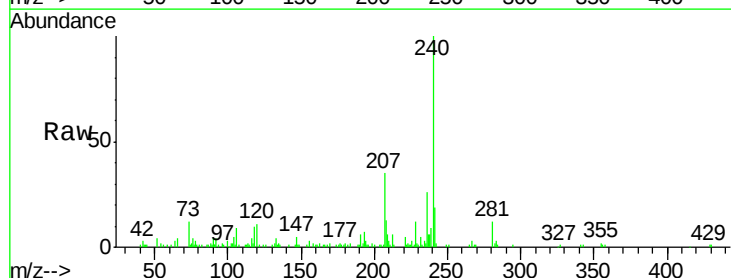
RT: 21.69 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

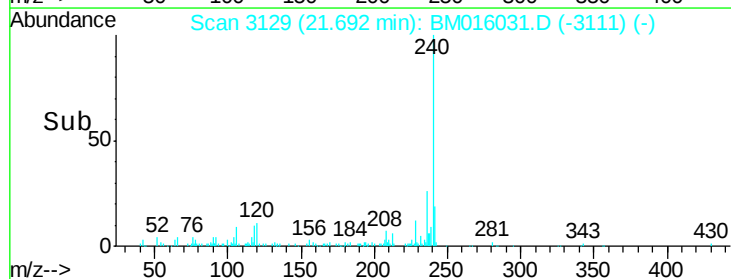
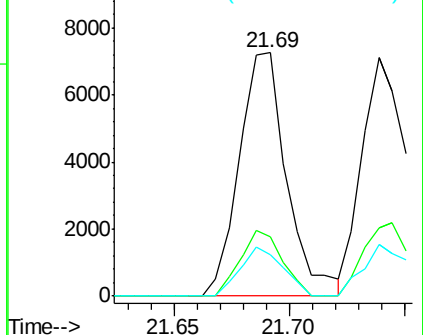
Tgt Ion:	228	Resp:	10447
Ion Ratio	Lower	Upper	
228	100		
226	24.5	21.7	32.5
229	17.0	16.0	24.0

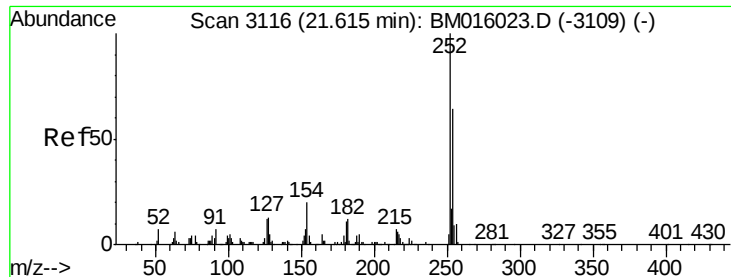


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

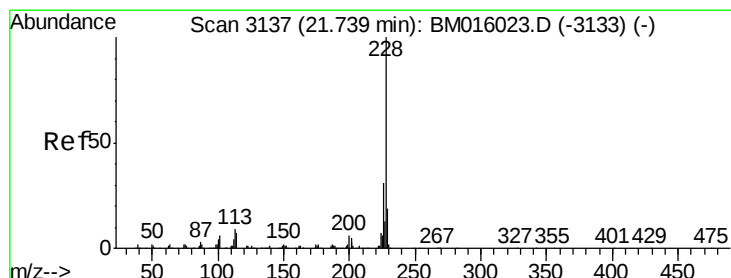
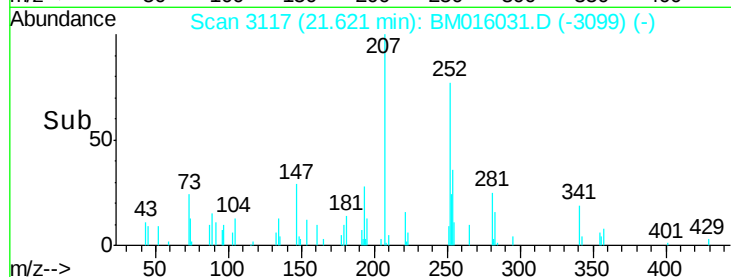
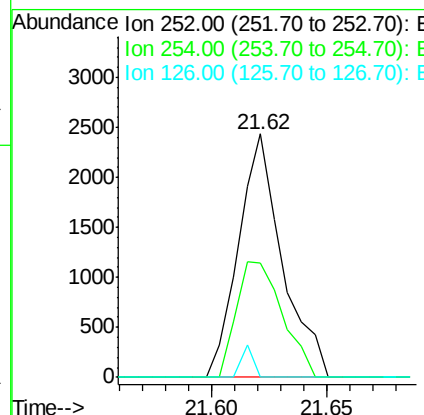
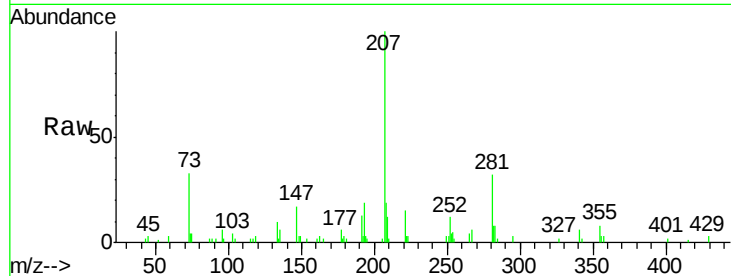




#81
 3,3'-Dichlorobenzidine
 Concen: 0.723 ng
 RT: 21.62 min Scan# 3117
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

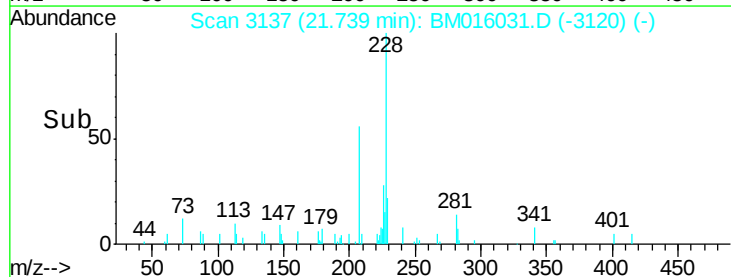
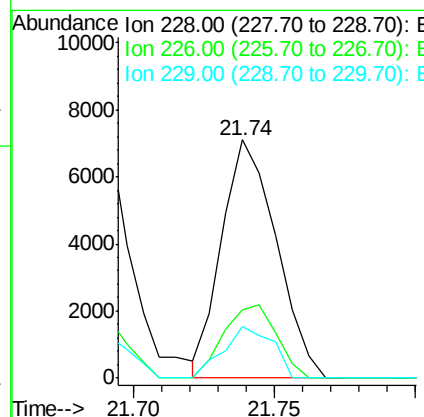
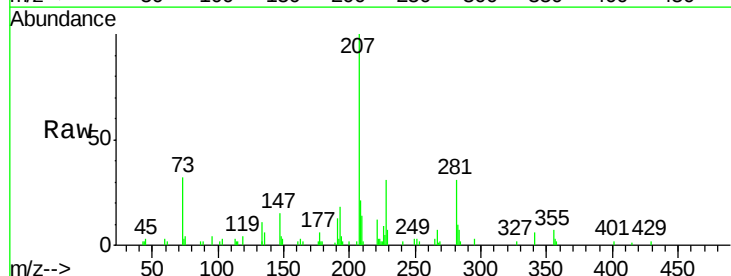
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

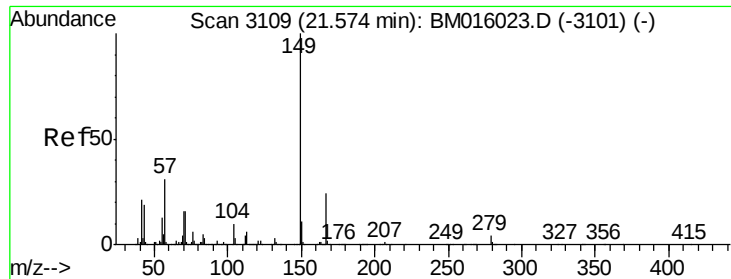
Tgt Ion:252 Resp: 3210
 Ion Ratio Lower Upper
 252 100
 254 46.7 51.9 77.9#
 126 0.0 9.8 14.8#



#82
 Chrysene
 Concen: 0.903 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:228 Resp: 9547
 Ion Ratio Lower Upper
 228 100
 226 28.4 24.1 36.1
 229 21.8 15.5 23.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.692 ng

RT: 21.57 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

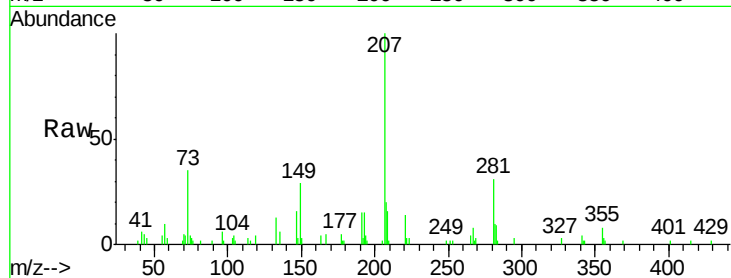
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

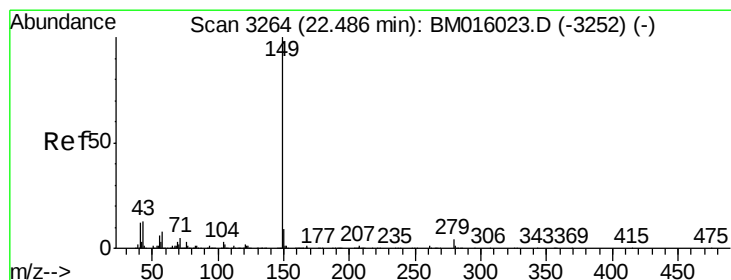
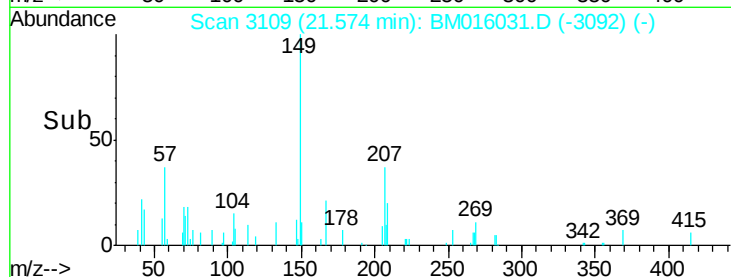
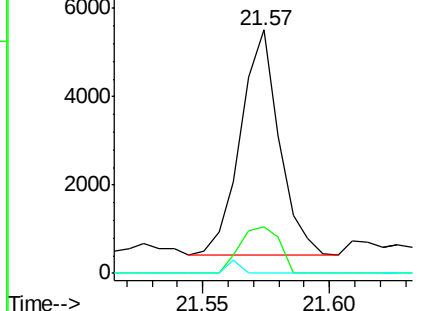
Tgt Ion:	149	Resp:	5466
Ion Ratio	Lower	Upper	
149	100		
167	19.2	22.4	33.6#
279	0.0	3.4	5.0#



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: 0.784 ng

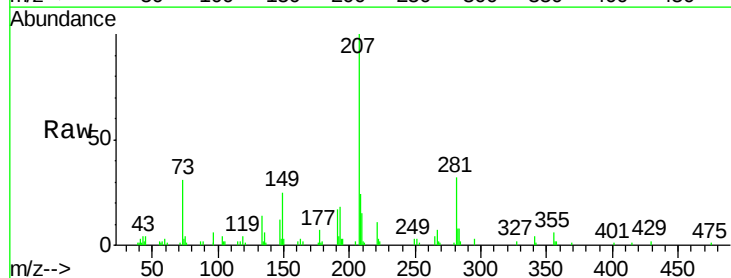
RT: 22.48 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

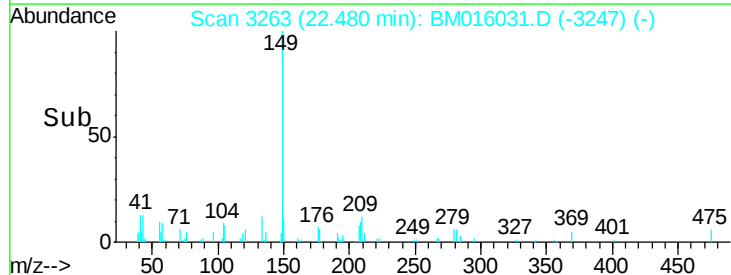
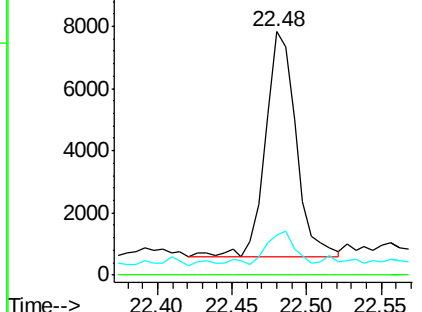
Tgt Ion:	149	Resp:	10402
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.2	1.8#
43	13.7	7.3	10.9#

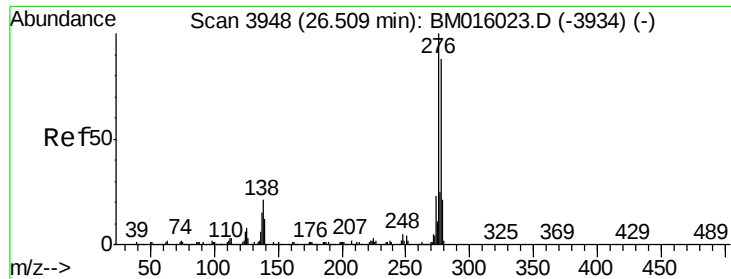


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM0

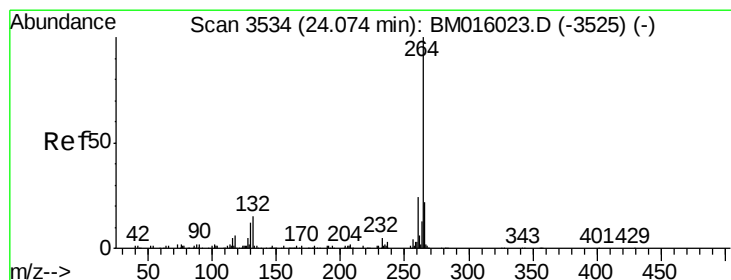
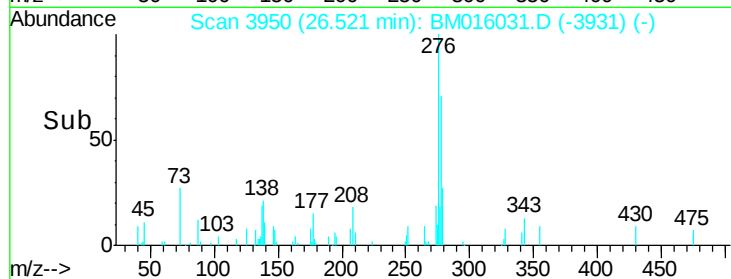
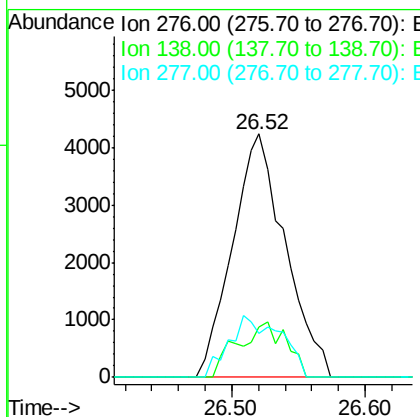
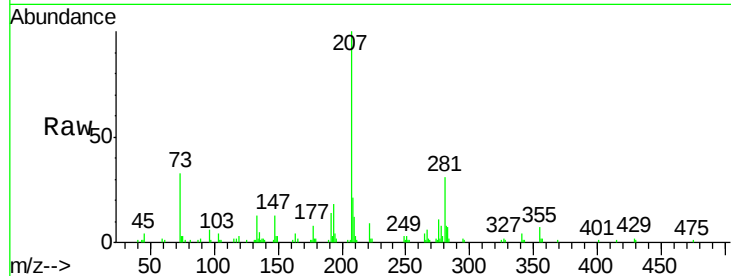




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.923 ng
 RT: 26.52 min Scan# 3950
 Delta R.T. 0.01 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

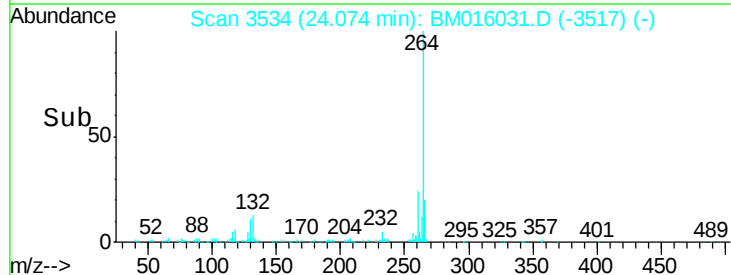
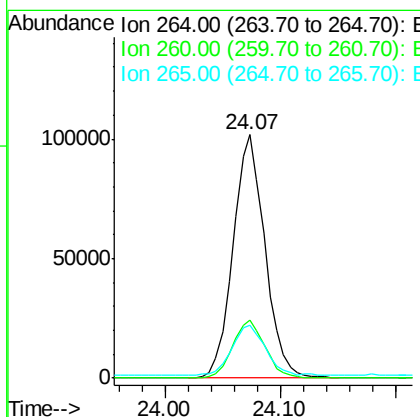
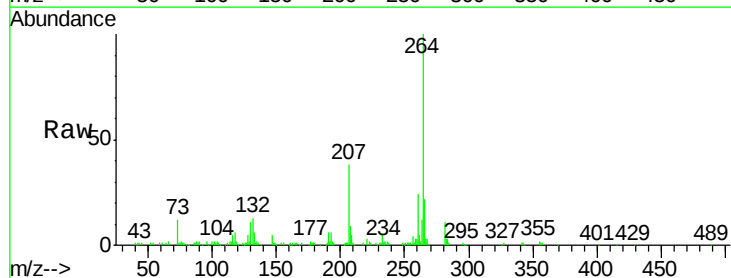
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

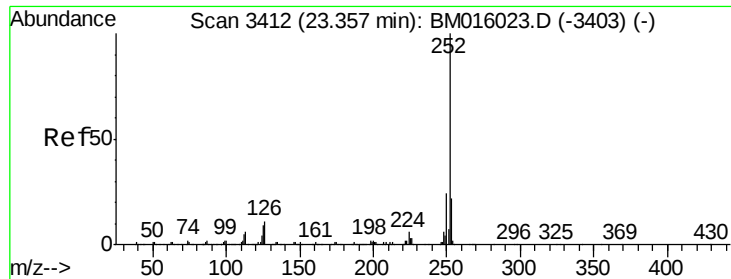
Tgt Ion:276 Resp: 11578
 Ion Ratio Lower Upper
 276 100
 138 20.8 12.0 18.0#
 277 25.0 20.0 30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.07 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: BM016031.D
 Acq: 23 Jul 2018 18:23

Tgt Ion:264 Resp: 194935
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 27.8
 265 21.5 17.3 25.9

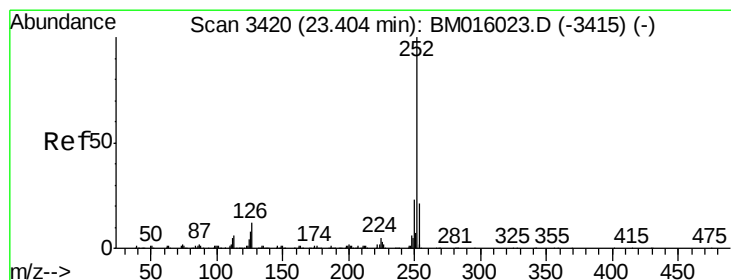
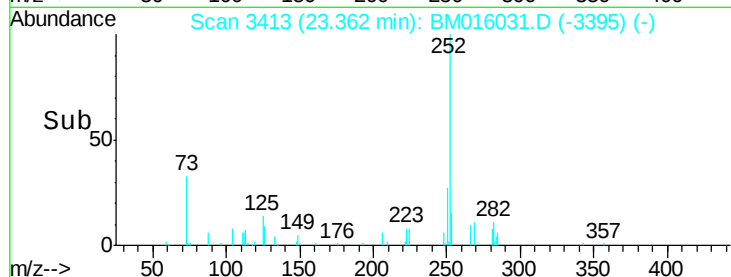
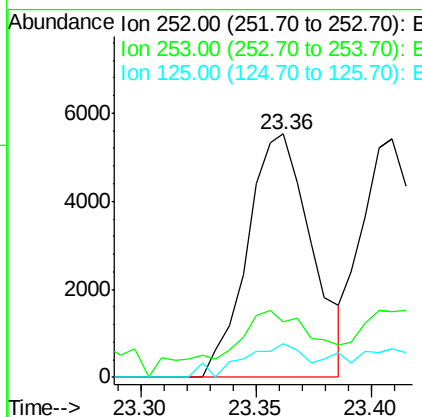
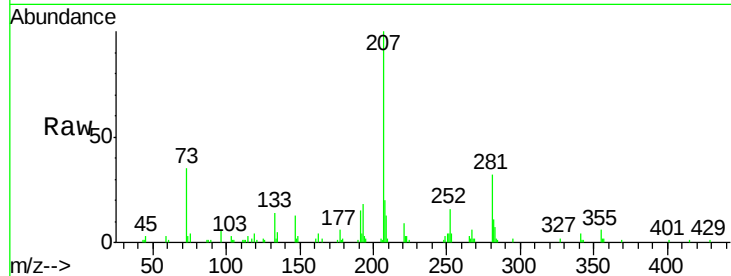




#87
Benzo(b)fluoranthene
Concen: 0.933 ng
RT: 23.36 min Scan# 3413
Delta R.T. 0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

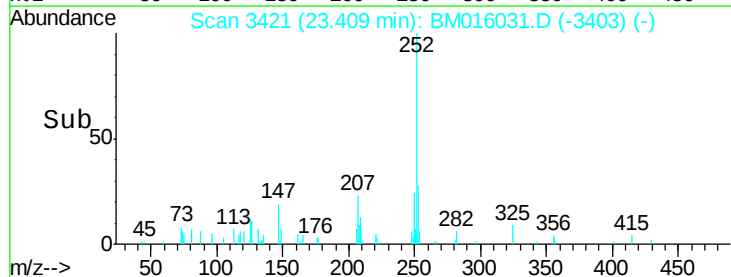
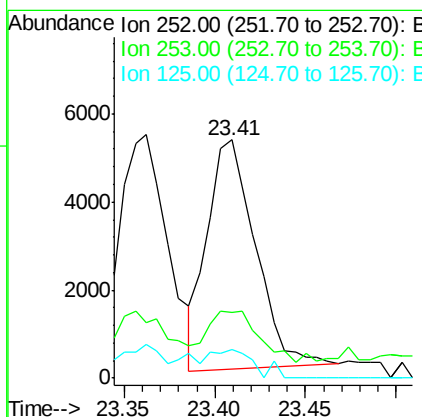
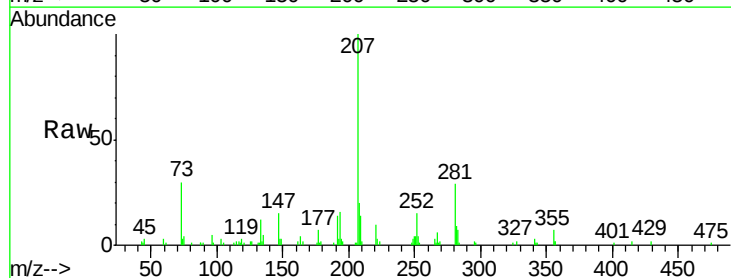
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

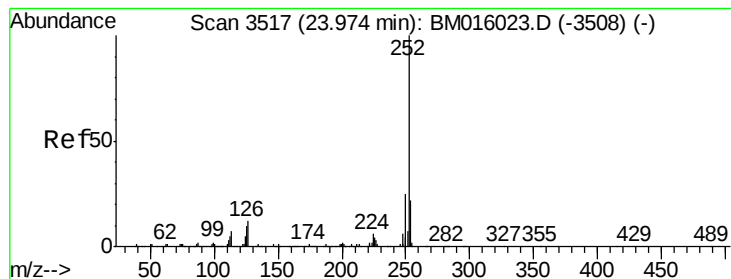
Tgt Ion:252 Resp: 10710
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 13.8 9.9 14.9



#88
Benzo(k)fluoranthene
Concen: 0.832 ng
RT: 23.41 min Scan# 3421
Delta R.T. 0.01 min
Lab File: BM016031.D
Acq: 23 Jul 2018 18:23

Tgt Ion:252 Resp: 9675
Ion Ratio Lower Upper
252 100
253 27.7 17.2 25.8#
125 12.0 8.1 12.1





#89

Benzo(a)pyrene

Concen: 0.945 ng

RT: 23.98 min Scan# 3518

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

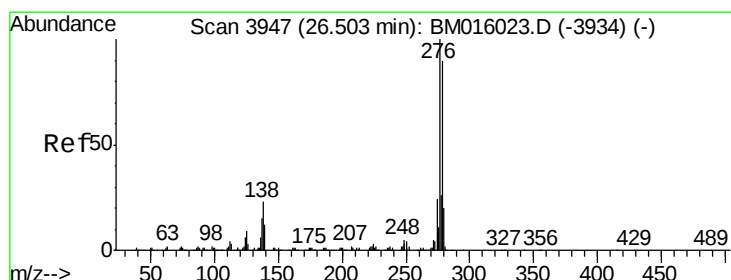
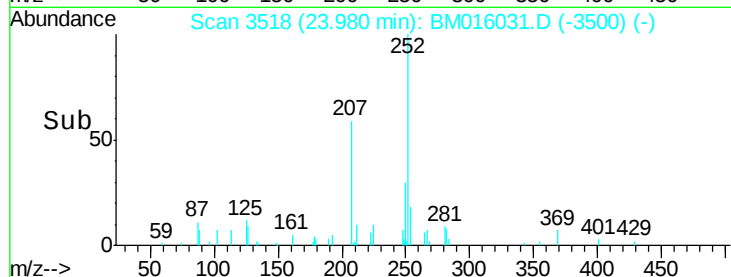
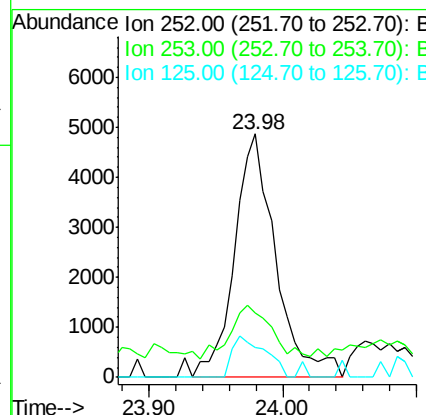
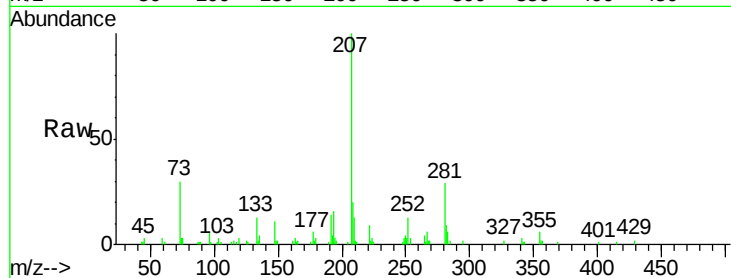
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 252 Resp: 10431

Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.6	26.4#
125	12.4	7.4	11.2#



#90

Dibenzo(a,h)anthracene

Concen: 0.807 ng

RT: 26.51 min Scan# 3949

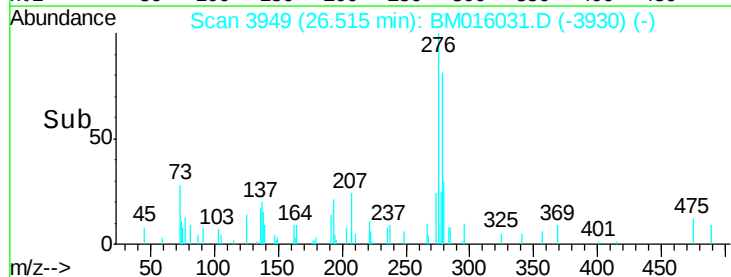
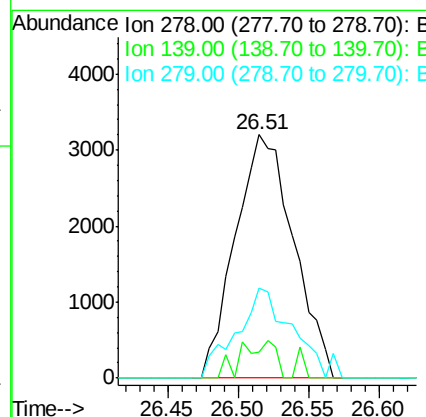
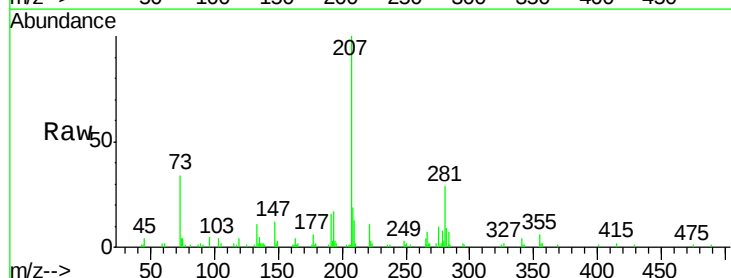
Delta R.T. 0.01 min

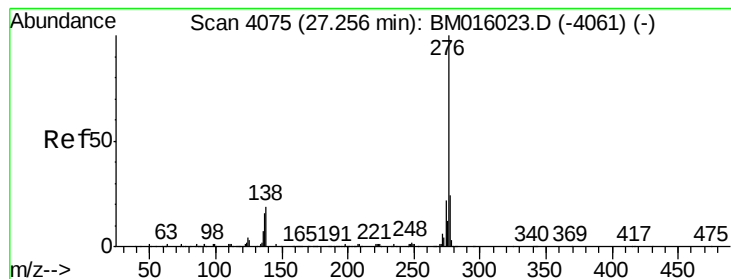
Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Tgt Ion: 278 Resp: 9231

Ion	Ratio	Lower	Upper
278	100		
139	10.5	13.4	20.0#
279	37.1	19.0	28.4#





#91

Benzo(g,h,i)perylene

Concen: 0.901 ng

RT: 27.26 min Scan# 4076

Delta R.T. 0.01 min

Lab File: BM016031.D

Acq: 23 Jul 2018 18:23

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

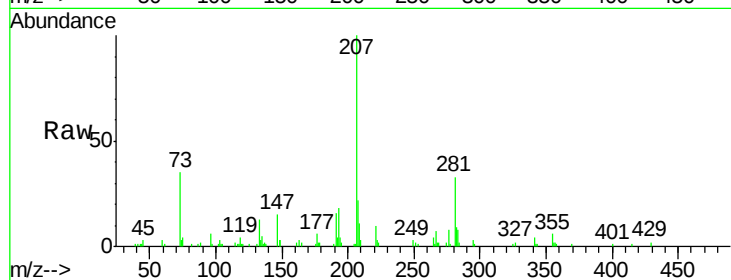
Tgt Ion:276 Resp: 9739

Ion Ratio Lower Upper

276 100

277 12.3 18.5 27.7#

138 16.2 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

