

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016033.D
 Acq On : 23 Jul 2018 19:37
 Operator : SJ/JU
 Sample : J3762-01
 Misc : LOD 5 PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 24 06:04:23 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	38327	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	143727	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	77287	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	168605	20.00	ng	0.00
75) Chrysene-d12	21.70	240	188728	20.00	ng	0.00
86) Perylene-d12	24.07	264	200503	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.74	112	301044	130.47	ng	0.00
7) Phenol-d6	7.39	99	365920	121.44	ng	0.00
23) Nitrobenzene-d5	9.42	82	279522	90.46	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	129644	132.26	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	563804	88.76	ng	0.00
78) Terphenyl-d14	20.16	244	1091924	121.11	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	4435	4.103	ng	# 100
3) Pyridine	4.01	79	6411	2.462	ng	# 76
4) n-Nitrosodimethylamine	3.90	42	6947	3.420	ng	# 40
6) Aniline	7.56	93	9562	2.756	ng	# 90
8) 2-Chlorophenol	7.79	128	11772	4.293	ng	# 95
9) Benzaldehyde	7.39	77	11565	5.463	ng	# 73
10) Phenol	7.42	94	13449	4.464	ng	# 83
11) bis(2-Chloroethyl)ether	7.66	93	9737	4.091	ng	# 96
12) 1,3-Dichlorobenzene	8.12	146	13428	4.183	ng	# 85
13) 1,4-Dichlorobenzene	8.27	146	13784	4.234	ng	# 92
14) 1,2-Dichlorobenzene	8.59	146	13923	4.371	ng	# 89
15) Benzyl Alcohol	8.50	79	6356	2.649	ng	# 77
16) 2,2'-oxybis(1-Chloropropan	8.76	45	14983	4.113	ng	# 90
17) 2-Methylphenol	8.69	107	8584	4.168	ng	# 82
18) Hexachloroethane	9.31	117	5982	4.251	ng	# 90
19) n-Nitroso-di-n-propylamine	9.05	70	7895	3.585	ng	# 78
20) 3+4-Methylphenols	9.03	107	10132	3.420	ng	# 84
22) Acetophenone	9.09	105	15975	4.414	ng	# 81
24) Nitrobenzene	9.47	77	15520	4.990	ng	# 86
25) Isophorone	9.98	82	20227	4.785	ng	# 96
26) 2-Nitrophenol	10.19	139	4201	3.235	ng	# 83
27) 2,4-Dimethylphenol	10.23	122	8893	4.916	ng	# 85
28) bis(2-Chloroethoxy)methane	10.46	93	12135	4.417	ng	# 96
29) 2,4-Dichlorophenol	10.73	162	8724	4.058	ng	# 94
30) 1,2,4-Trichlorobenzene	10.92	180	11990	4.591	ng	# 97
31) Naphthalene	11.10	128	36381	5.001	ng	# 98
32) Benzoic acid	10.35	122	2070	1.501	ng	# 89
33) 4-Chloroaniline	11.25	127	7400	2.493	ng	# 84
34) Hexachlorobutadiene	11.36	225	8472	4.676	ng	# 94
35) Caprolactam	12.02	113	1216	2.042	ng	# 87
36) 4-Chloro-3-methylphenol	12.34	107	9226	3.902	ng	# 80
37) 2-Methylnaphthalene	12.70	142	24826	5.095	ng	# 89
39) 1,2,4,5-Tetrachlorobenzene	13.06	216	12258	4.659	ng	# 100
40) Hexachlorocyclopentadiene	13.02	237	2767	9.609	ng	# 81

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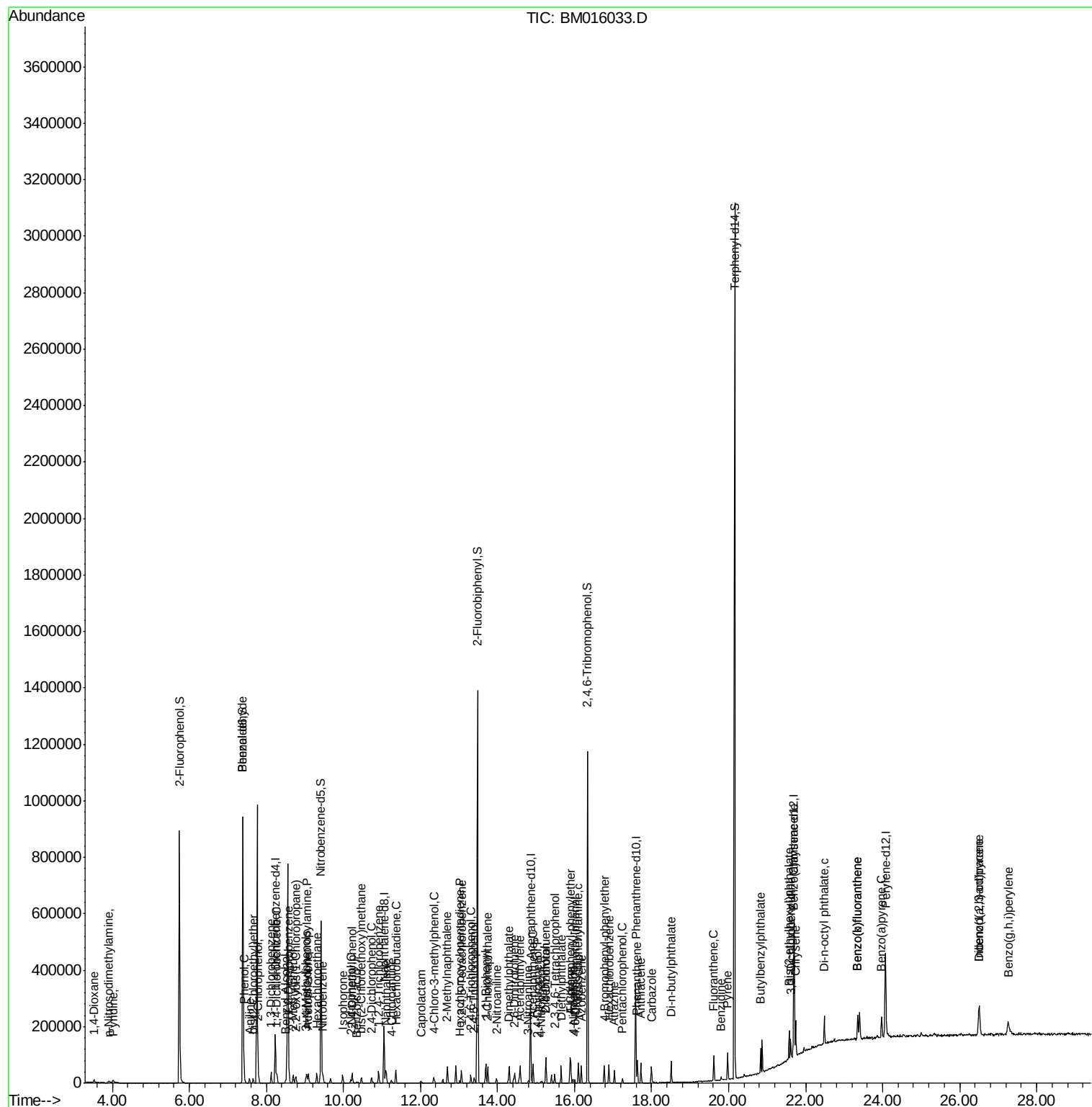
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.31	196	6387	3.880	ng	# 90
43) 2,4,5-Trichlorophenol	13.40	196	6587	3.879	ng	# 80
45) 1,1'-Biphenyl	13.70	154	32934	4.722	ng	98
46) 2-Chloronaphthalene	13.75	162	24717	4.556	ng	# 85
47) 2-Nitroaniline	13.97	65	5383	3.001	ng	86
48) Acenaphthylene	14.59	152	37207	4.685	ng	99
49) Dimethylphthalate	14.31	163	30694	4.538	ng	99
50) 2,6-Dinitrotoluene	14.45	165	5353	3.933	ng	# 54
51) Acenaphthene	14.92	154	22710	4.650	ng	89
52) 3-Nitroaniline	14.80	138	3577	2.433	ng	# 74
53) 2,4-Dinitrophenol	15.04	184	815	7.407	ng	# 83
54) Dibenzofuran	15.26	168	37262	4.629	ng	# 81
55) 4-Nitrophenol	15.13	139	1809	1.717	ng	# 68
56) 2,4-Dinitrotoluene	15.24	165	6716	3.451	ng	# 72
57) Fluorene	15.90	166	29070	4.860	ng	97
58) 2,3,4,6-Tetrachlorophenol	15.49	232	6157	4.218	ng	# 100
59) Diethylphthalate	15.65	149	31810	4.363	ng	95
60) 4-Chlorophenyl-phenylether	15.88	204	14593	4.383	ng	# 82
61) 4-Nitroaniline	15.96	138	3759	2.665	ng	# 47
62) Azobenzene	16.17	77	31278	4.074	ng	# 74
64) 4,6-Dinitro-2-methylphenol	16.02	198	2662	2.601	ng	83
65) n-Nitrosodiphenylamine	16.10	169	24834	4.473	ng	98
66) 4-Bromophenyl-phenylether	16.77	248	8360	4.379	ng	# 74
67) Hexachlorobenzene	16.89	284	8907	4.236	ng	# 60
68) Atrazine	17.03	200	8517	4.280	ng	97
69) Pentachlorophenol	17.24	266	3172	2.436	ng	# 82
70) Phenanthrene	17.63	178	46105	4.884	ng	99
71) Anthracene	17.72	178	43931	4.789	ng	99
72) Carbazole	17.99	167	38540	4.055	ng	97
73) Di-n-butylphthalate	18.51	149	46926	3.962	ng	# 95
74) Fluoranthene	19.62	202	49919	4.741	ng	99
76) Benzidine	19.80	184	10618	2.013	ng	99
77) Pyrene	19.97	202	51687	4.570	ng	98
79) Butylbenzylphthalate	20.83	149	22134	3.852	ng	# 85
80) Benzo(a)anthracene	21.69	228	56677	4.876	ng	98
81) 3,3'-Dichlorobenzidine	21.62	252	15004	3.205	ng	# 97
82) Chrysene	21.74	228	54080	4.850	ng	99
83) Bis(2-ethylhexyl)phthalate	21.57	149	30527	3.666	ng	94
84) Di-n-octyl phthalate	22.49	149	55497	3.966	ng	# 88
85) Indeno(1,2,3-cd)pyrene	26.50	276	68025	5.141	ng	# 94
87) Benzo(b)fluoranthene	23.36	252	60059	5.088	ng	# 95
88) Benzo(k)fluoranthene	23.36	252	60058	5.020	ng	99
89) Benzo(a)pyrene	23.97	252	56852	5.010	ng	97
90) Dibenzo(a,h)anthracene	26.51	278	58037	4.936	ng	# 94
91) Benzo(g,h,i)perylene	27.26	276	56205	5.054	ng	# 91

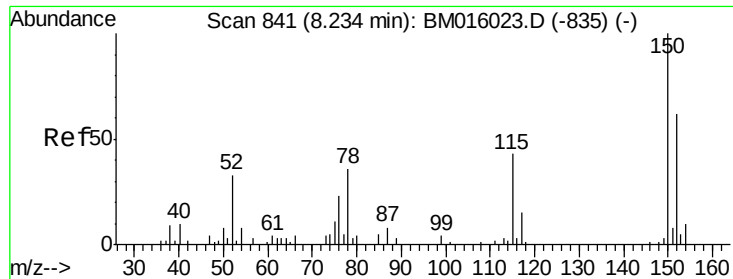
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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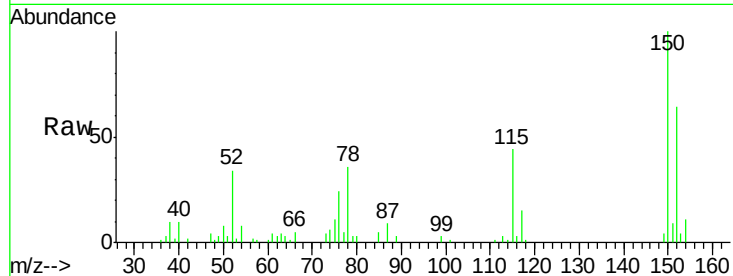


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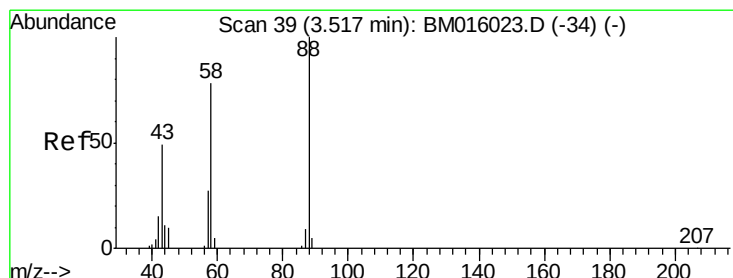
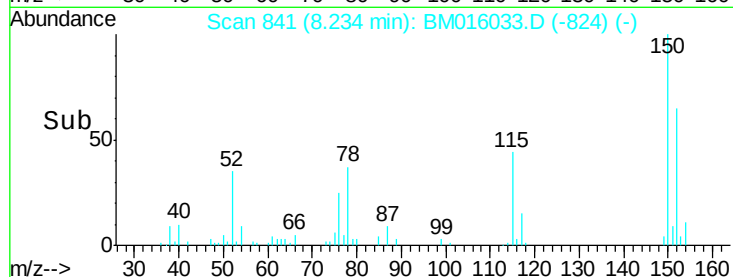
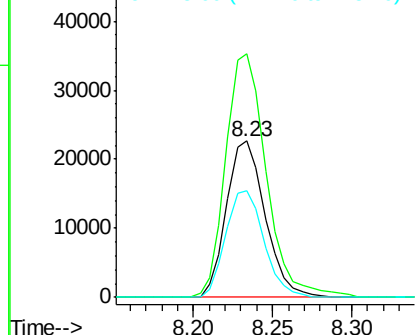
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.23 min Scan# 841
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

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

Tgt Ion:152 Resp: 38327
Ion Ratio Lower Upper
152 100
150 156.0 119.5 179.3
115 68.0 43.0 64.4#



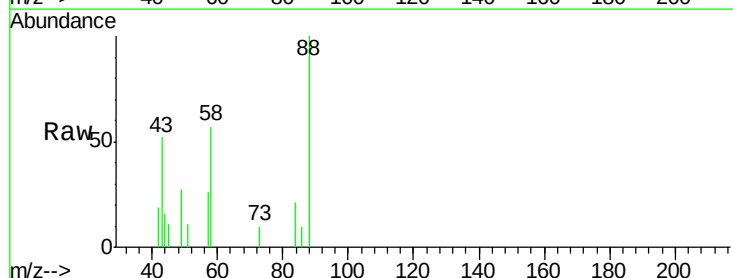
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



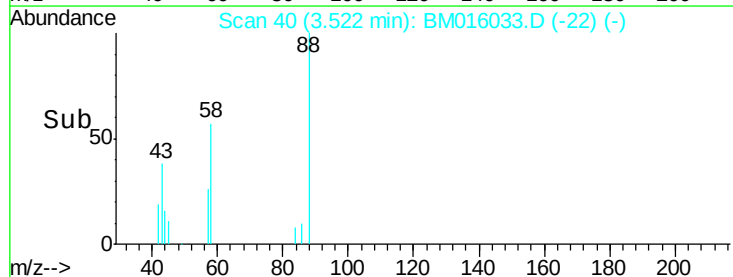
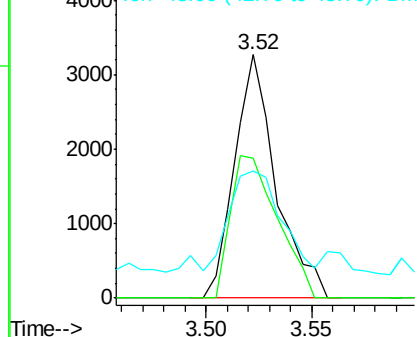
#2

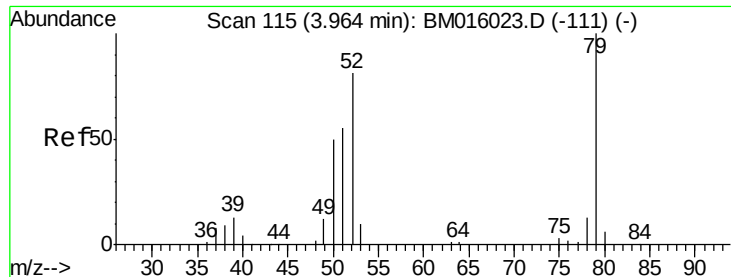
1,4-Dioxane
Concen: 4.103 ng
RT: 3.52 min Scan# 40
Delta R.T. 0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 88 Resp: 4435
Ion Ratio Lower Upper
88 100
58 66.1 0.0 0.0#
43 55.0 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

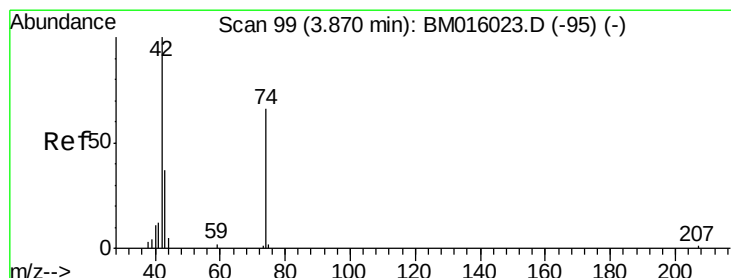
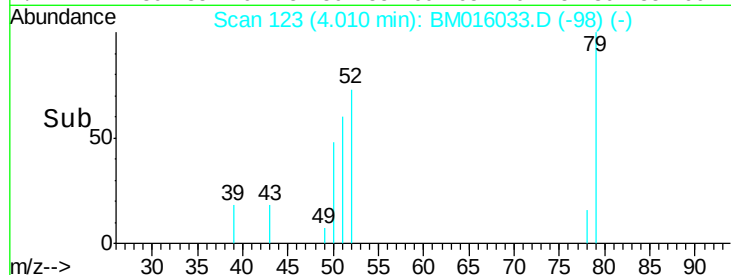
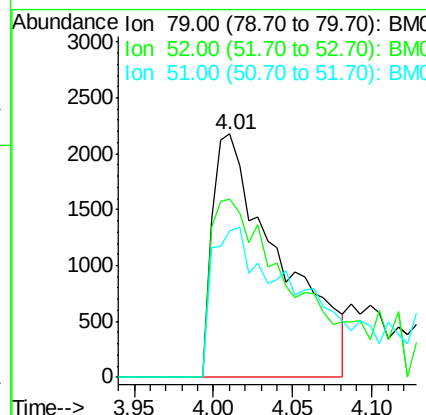
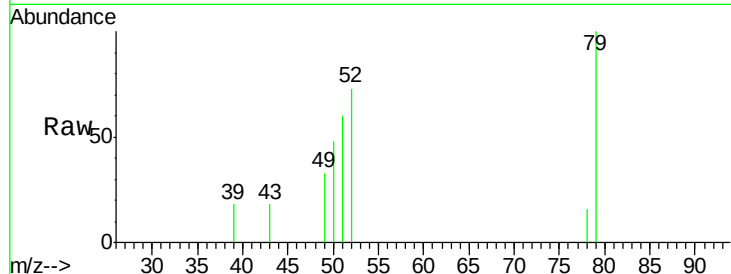




#3
 Pyridine
 Concen: 2.462 ng
 RT: 4.01 min Scan# 123
 Delta R.T. 0.05 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

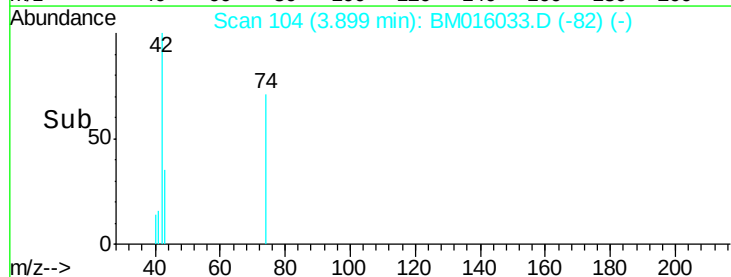
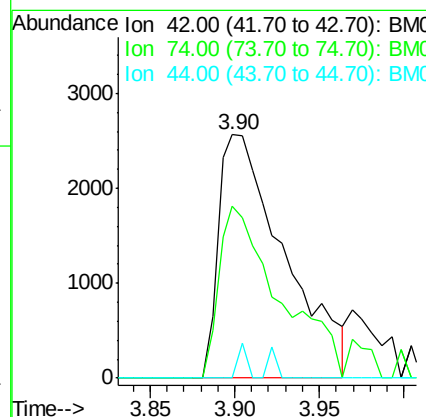
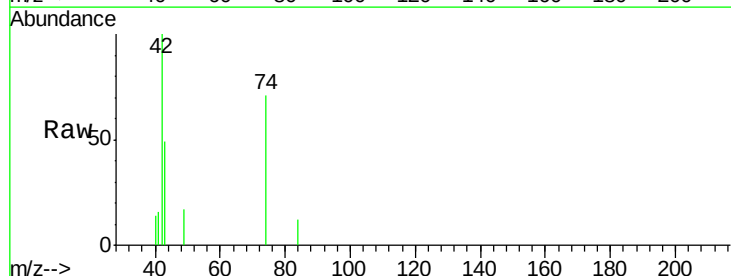
Instrument :
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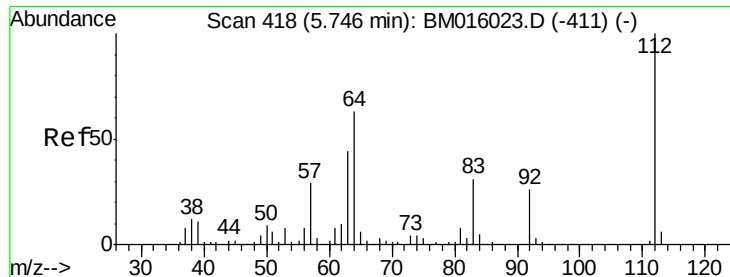
Tgt Ion: 79 Resp: 6411
 Ion Ratio Lower Upper
 79 100
 52 73.0 51.1 76.7
 51 60.0 26.1 39.1#



#4
 n-Nitrosodimethylamine
 Concen: 3.420 ng
 RT: 3.90 min Scan# 104
 Delta R.T. 0.03 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion: 42 Resp: 6947
 Ion Ratio Lower Upper
 42 100
 74 70.6 119.3 178.9#
 44 0.0 5.4 8.2#





#5

2-Fluorophenol

Concen: 3.420 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

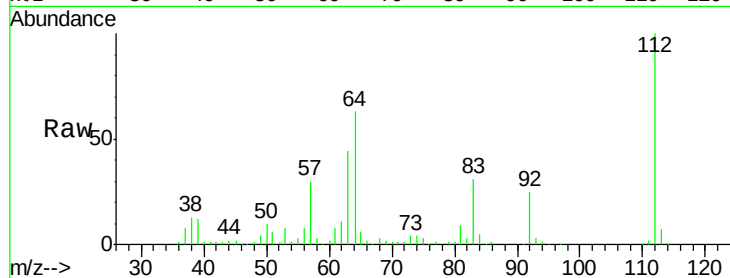
Tgt Ion: 112 Resp: 301044

Ion Ratio Lower Upper

112 100

64 63.5 38.6 57.8#

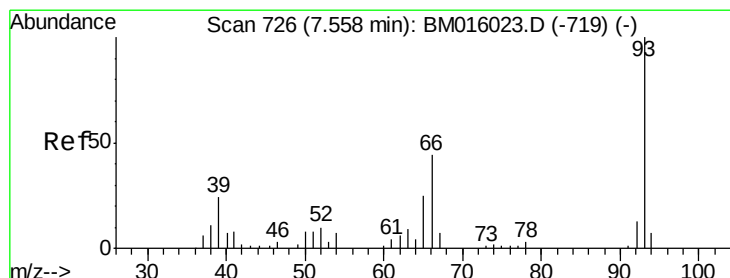
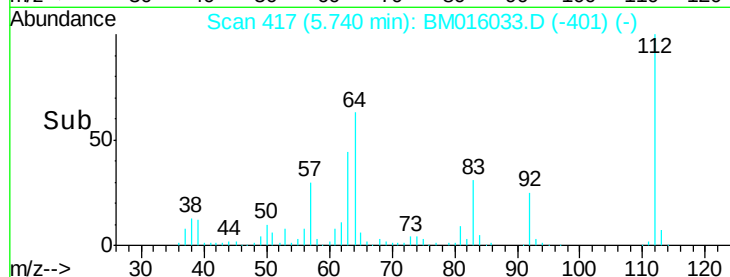
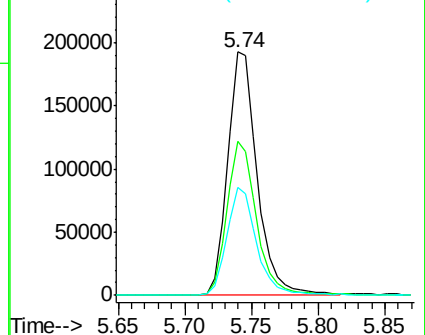
63 44.5 19.3 28.9#



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: 2.756 ng

RT: 7.56 min Scan# 727

Delta R.T. 0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

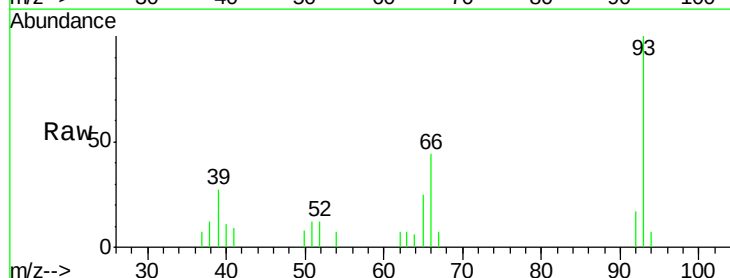
Tgt Ion: 93 Resp: 9562

Ion Ratio Lower Upper

93 100

66 44.0 30.8 46.2

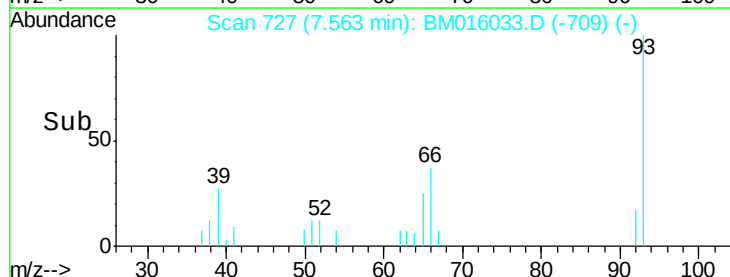
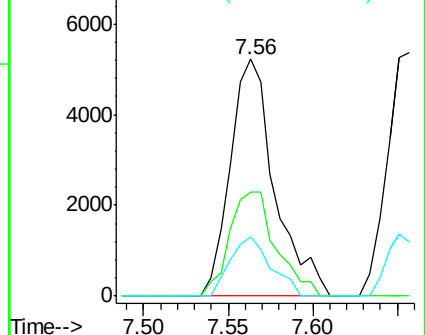
65 25.1 16.0 24.0#

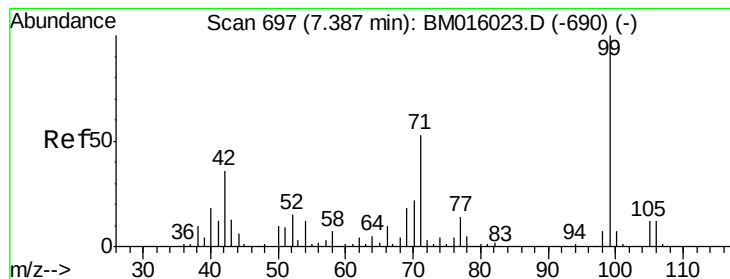


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 2.756 ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016033.D

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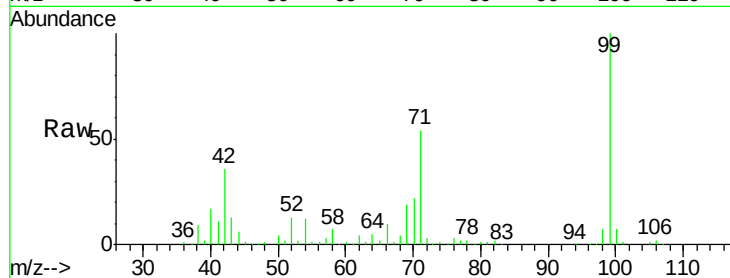
Tgt Ion: 99 Resp: 365920

Ion Ratio Lower Upper

99 100

42 36.3 11.0 16.4#

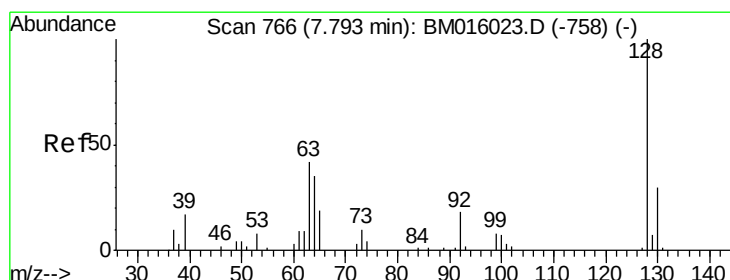
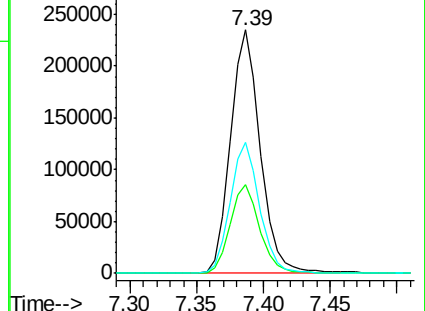
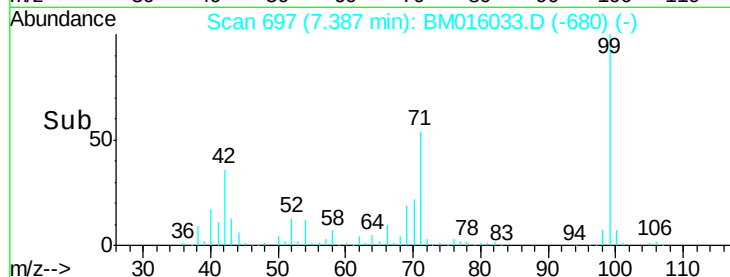
71 53.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016033.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016033.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016033.D (-690) (-)



#8

2-Chlorophenol

Concen: 4.293 ng

RT: 7.79 min Scan# 766

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

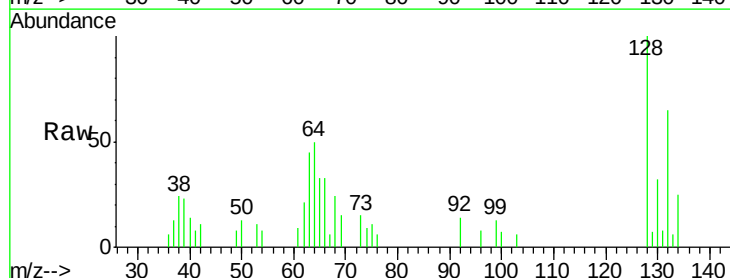
Tgt Ion: 128 Resp: 11772

Ion Ratio Lower Upper

128 100

130 32.3 12.0 52.0

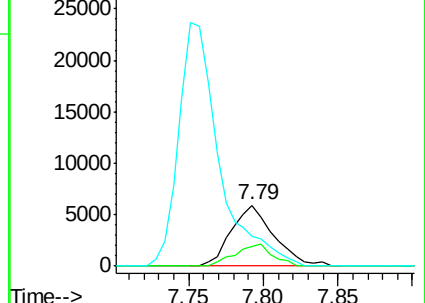
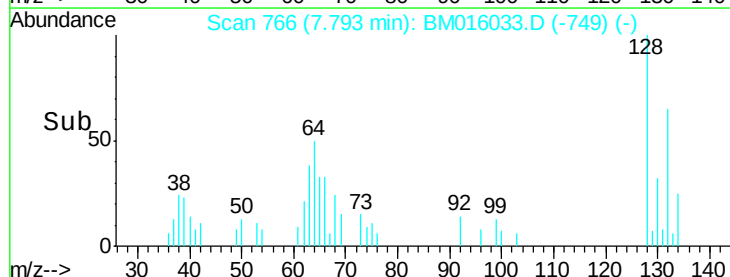
64 50.1 24.9 64.9

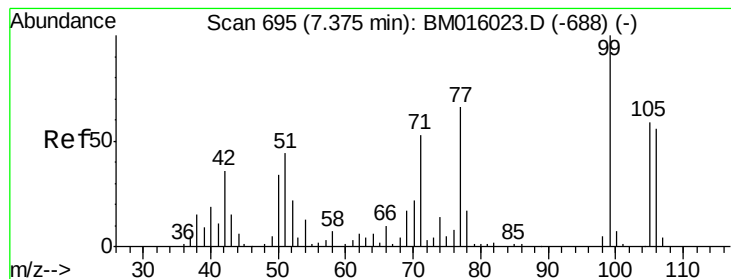


Abundance Ion 128.00 (127.70 to 128.70): BM016033.D (-749) (-)

Ion 130.00 (129.70 to 130.70): BM016033.D (-749) (-)

Ion 64.00 (63.70 to 64.70): BM016033.D (-749) (-)





#9

Benzaldehyde

Concen: 5.463 ng

RT: 7.39 min Scan# 697

Delta R.T. 0.01 min

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ClientSampleId :

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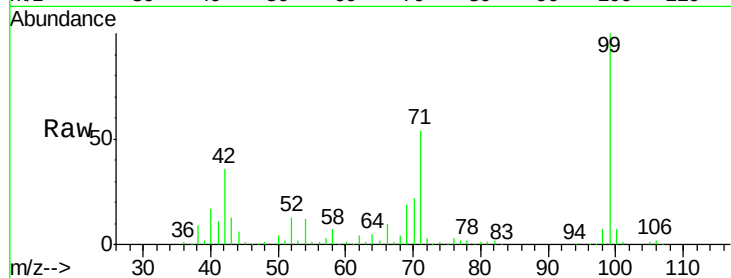
Tgt Ion: 77 Resp: 11565

Ion Ratio Lower Upper

77 100

105 65.5 78.8 118.8#

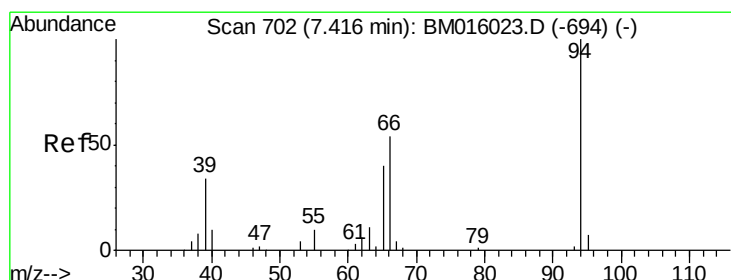
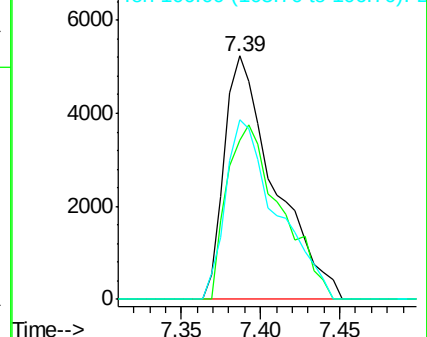
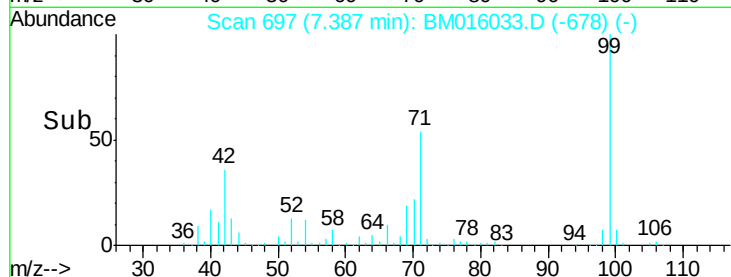
106 73.9 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BM016033.D (-678) (-)

Ion 105.00 (104.70 to 105.70): BM016033.D (-678) (-)

Ion 106.00 (105.70 to 106.70): BM016033.D (-678) (-)



#10

Phenol

Concen: 4.464 ng

RT: 7.42 min Scan# 702

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

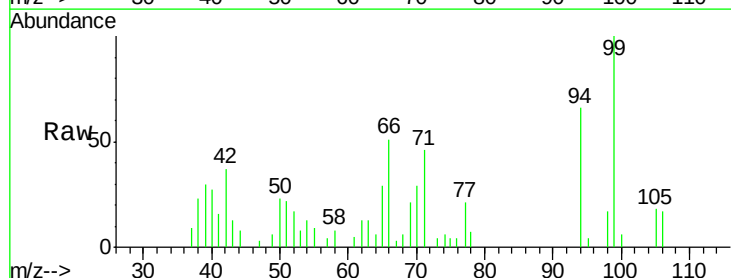
Tgt Ion: 94 Resp: 13449

Ion Ratio Lower Upper

94 100

65 43.7 18.8 58.8

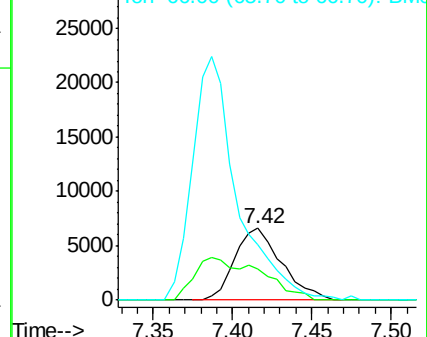
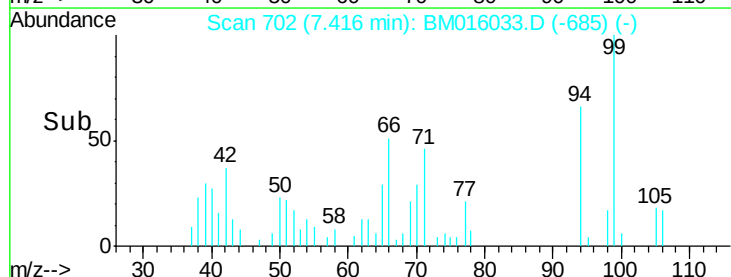
66 77.7 39.9 79.9

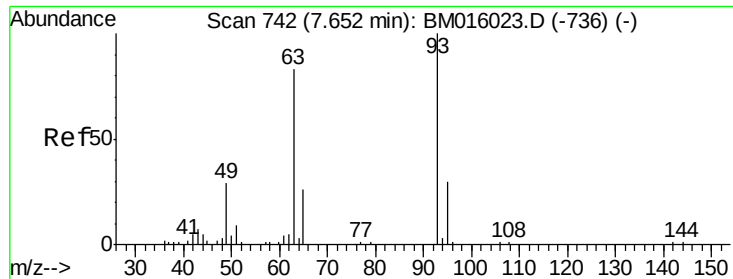


Abundance Ion 94.00 (93.70 to 94.70): BM016033.D (-685) (-)

Ion 65.00 (64.70 to 65.70): BM016033.D (-685) (-)

Ion 66.00 (65.70 to 66.70): BM016033.D (-685) (-)

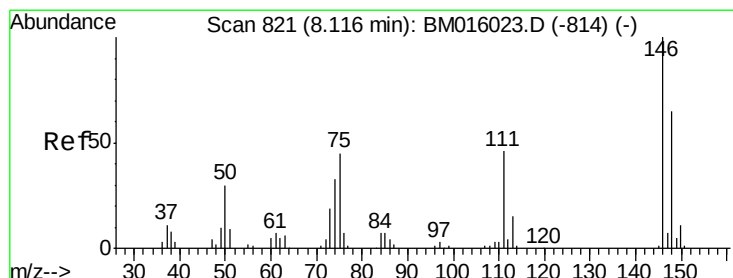
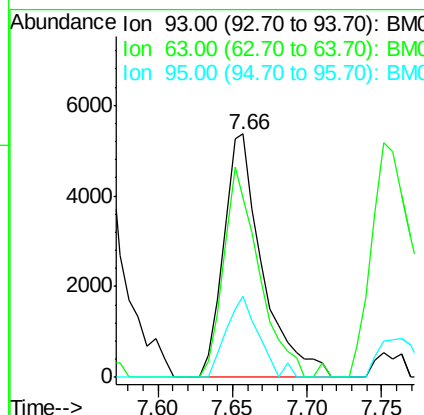
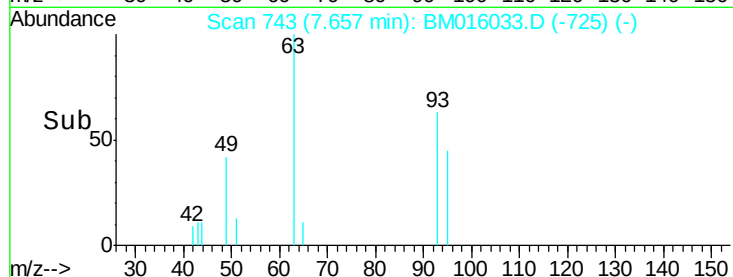
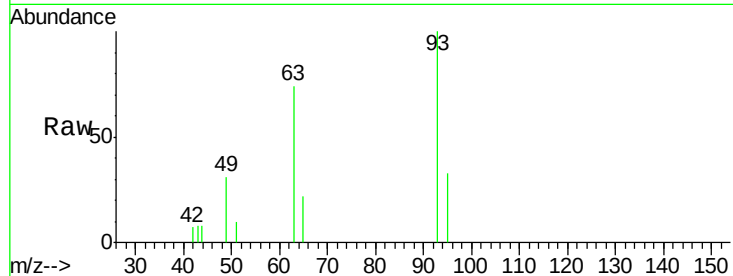




#11
bis(2-Chloroethyl)ether
Concen: 4.091 ng
RT: 7.66 min Scan# 743
Delta R.T. 0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

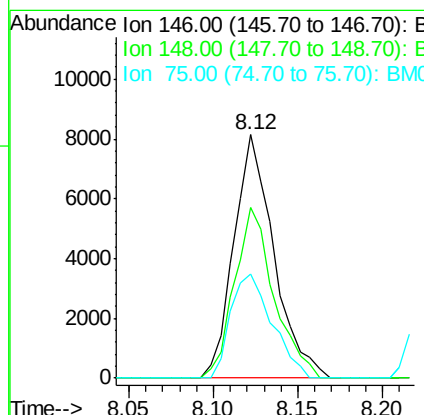
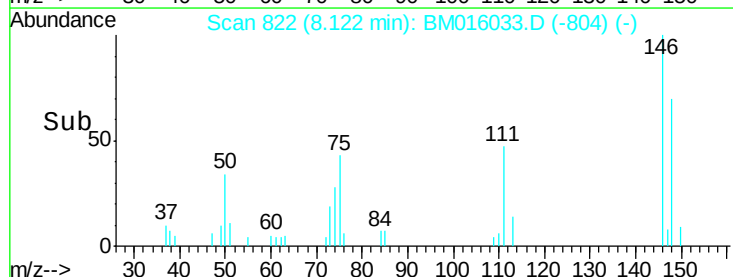
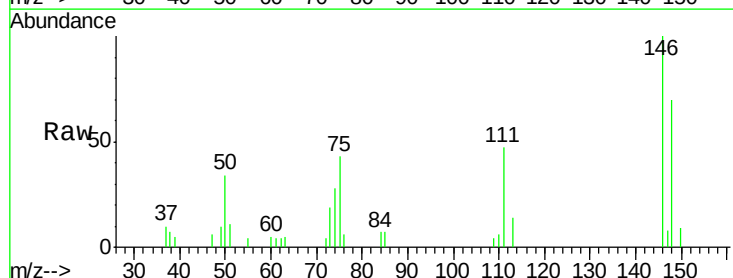
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

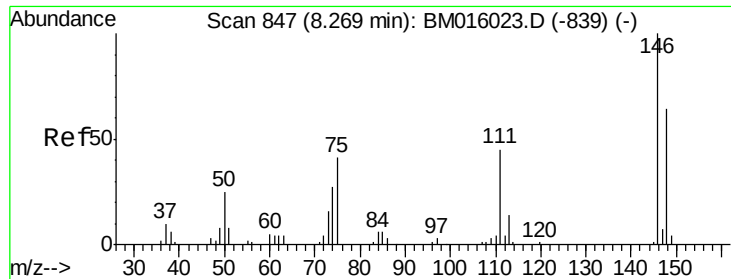
Tgt Ion: 93 Resp: 9737
Ion Ratio Lower Upper
93 100
63 73.7 49.5 89.5
95 33.2 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 4.183 ng
RT: 8.12 min Scan# 822
Delta R.T. 0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 146 Resp: 13428
Ion Ratio Lower Upper
146 100
148 69.9 50.9 76.3
75 42.6 21.4 32.2#

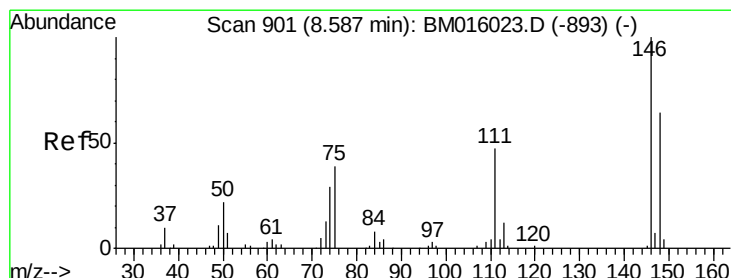
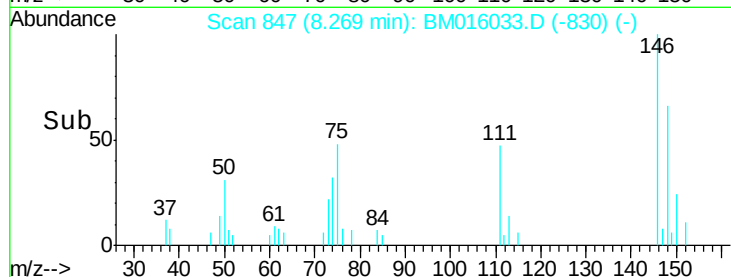
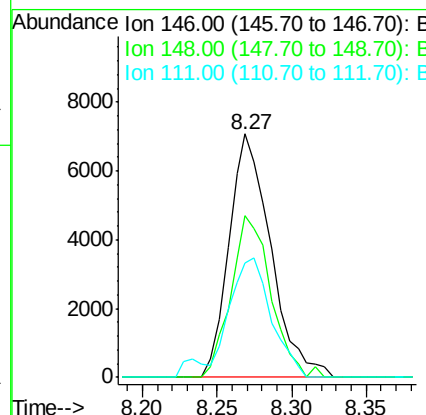
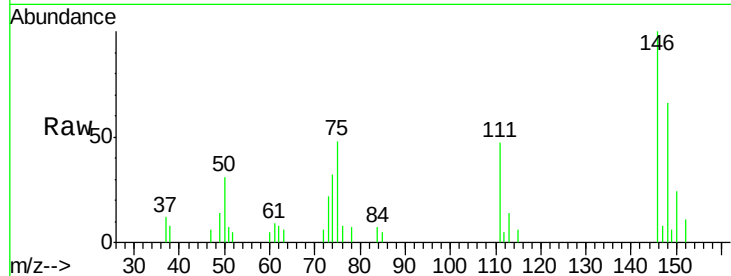




#13
 1,4-Dichlorobenzene
 Concen: 4.234 ng
 RT: 8.27 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

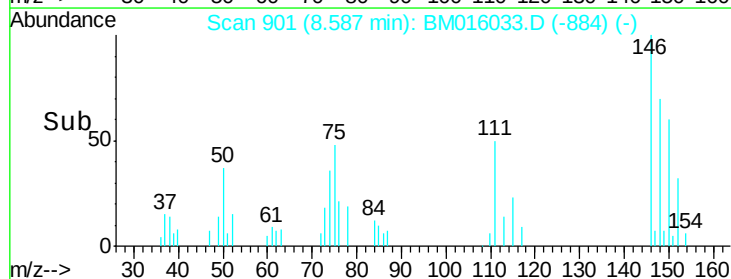
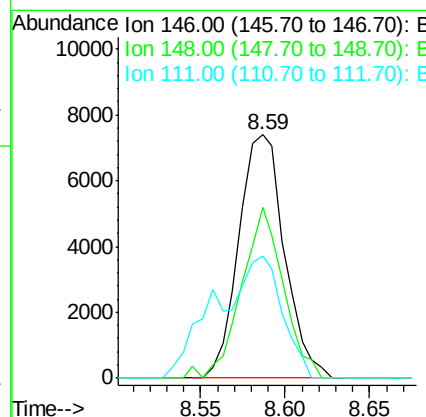
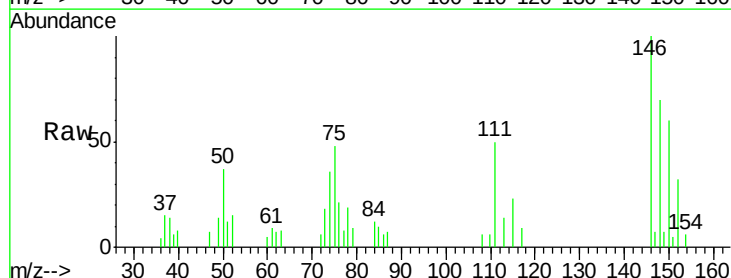
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

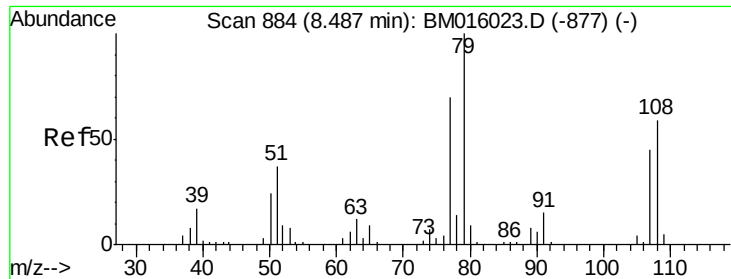
Tgt Ion:146 Resp: 13784
 Ion Ratio Lower Upper
 146 100
 148 66.2 51.9 77.9
 111 47.1 29.2 43.8#



#14
 1,2-Dichlorobenzene
 Concen: 4.371 ng
 RT: 8.59 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:146 Resp: 13923
 Ion Ratio Lower Upper
 146 100
 148 70.3 52.3 78.5
 111 50.2 30.6 45.8#





#15

Benzyl Alcohol

Concen: 2.649 ng

RT: 8.50 min Scan# 887

Delta R.T. 0.02 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

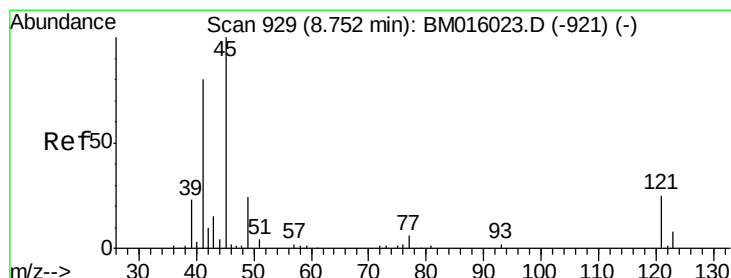
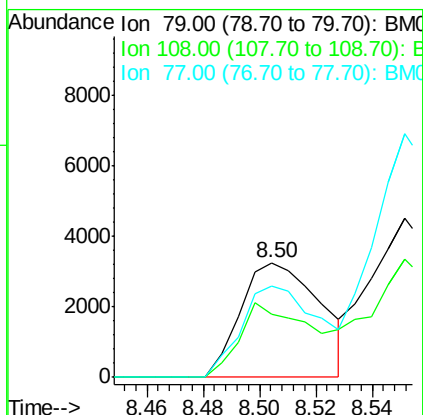
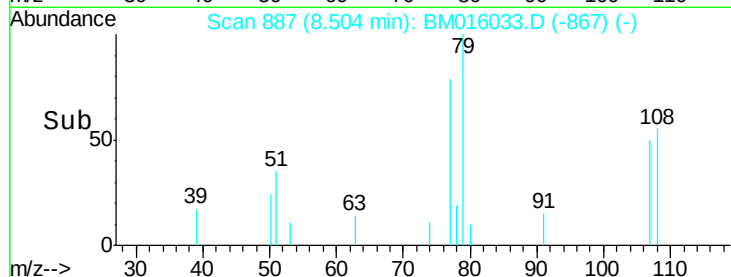
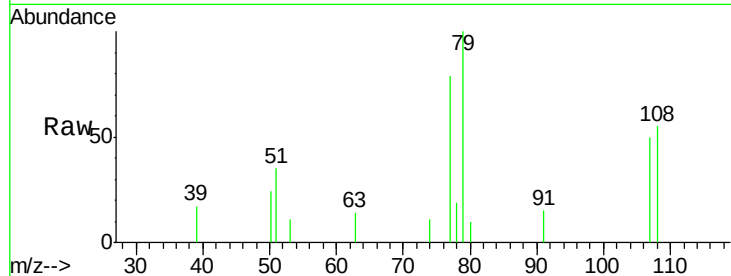
Tgt Ion: 79 Resp: 6356

Ion Ratio Lower Upper

79 100

108 55.2 65.0 97.4#

77 79.4 53.0 79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.113 ng

RT: 8.76 min Scan# 931

Delta R.T. 0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

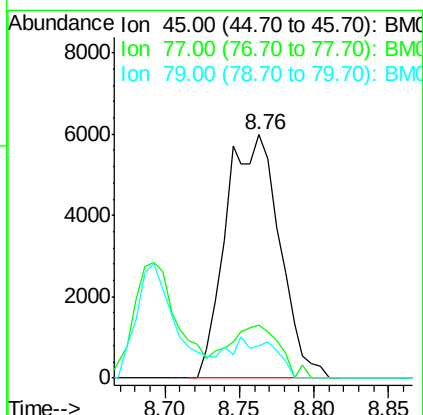
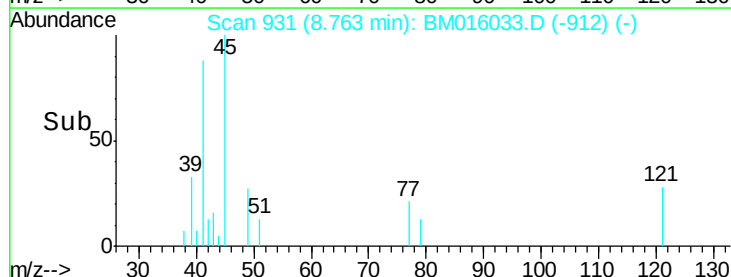
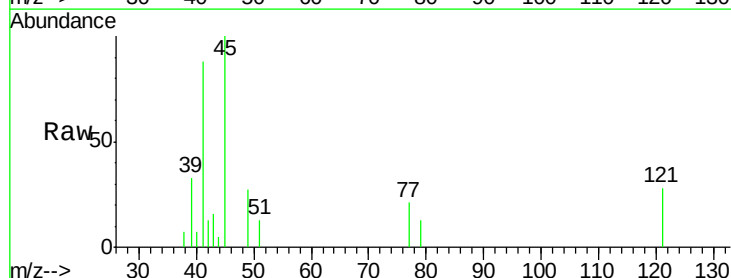
Tgt Ion: 45 Resp: 14983

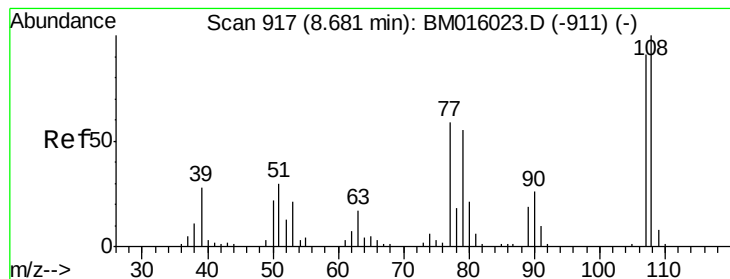
Ion Ratio Lower Upper

45 100

77 21.5 0.0 35.2

79 13.2 0.0 32.0





#17

2-Methylphenol

Concen: 4.168 ng

RT: 8.69 min Scan# 919

Delta R.T. 0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

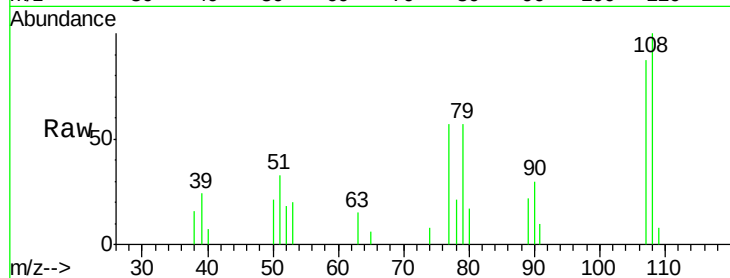
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:	107	Resp:	8584
Ion	Ratio	Lower	Upper
107	100		
108	114.8	89.8	134.8
77	65.6	32.6	48.8#
79	65.1	32.8	49.2#



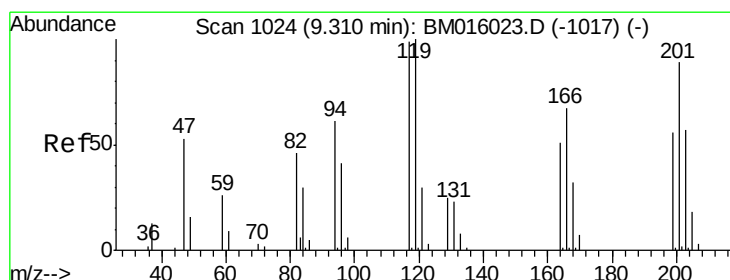
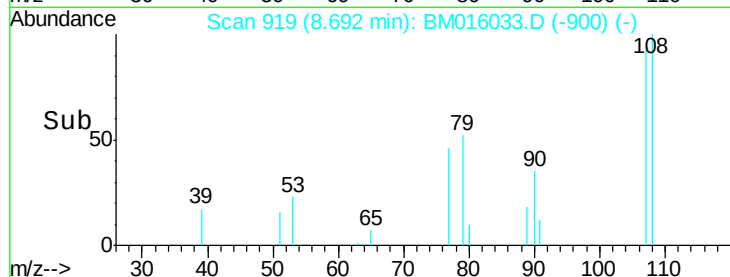
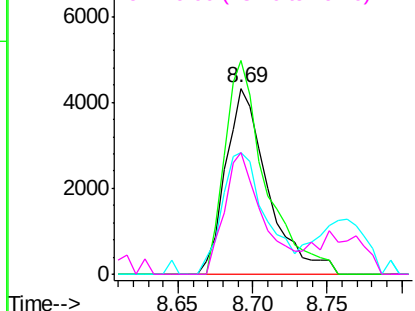
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 4.251 ng

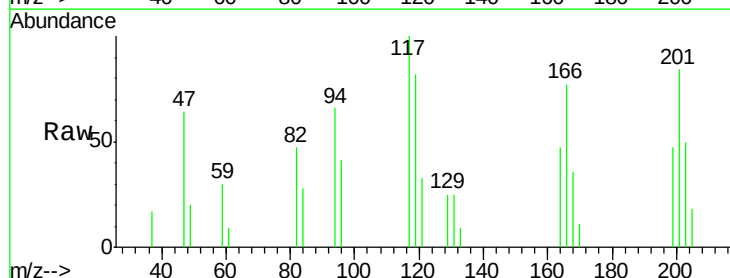
RT: 9.31 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Tgt Ion:	117	Resp:	5982
Ion	Ratio	Lower	Upper
117	100		
119	82.1	79.2	118.8
201	84.4	69.8	104.6

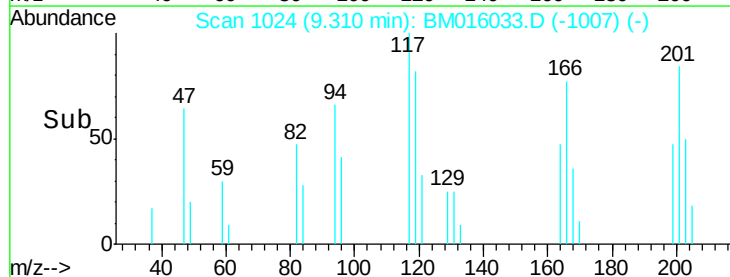
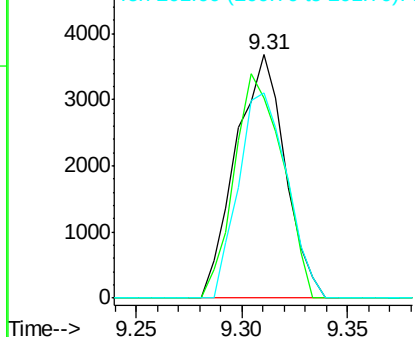


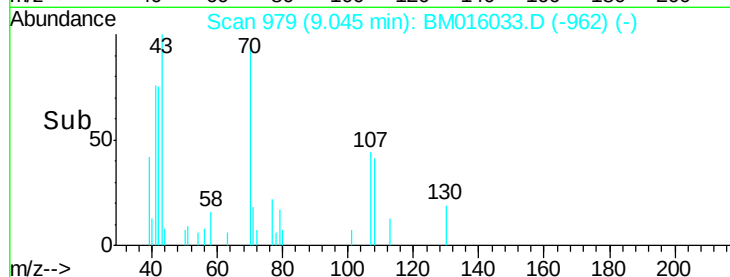
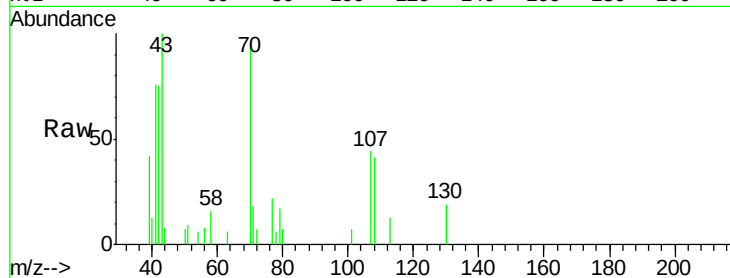
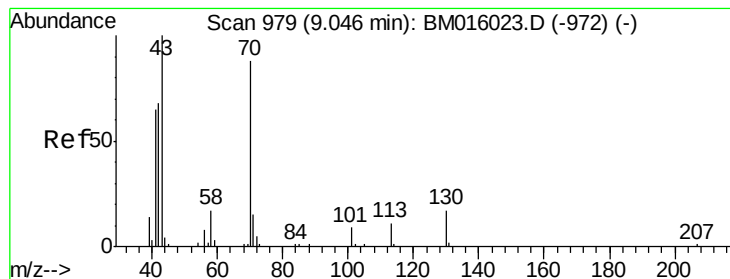
Abundance

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: 3.585 ng

RT: 9.05 min Scan# 979

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 70 Resp: 7895

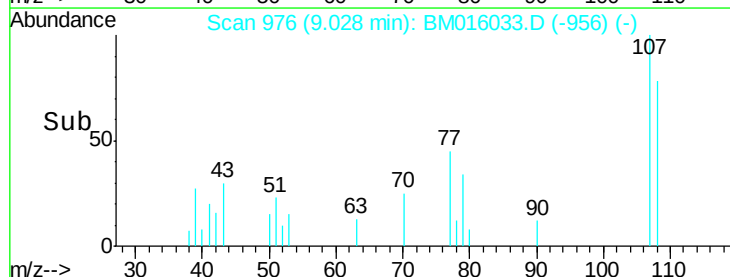
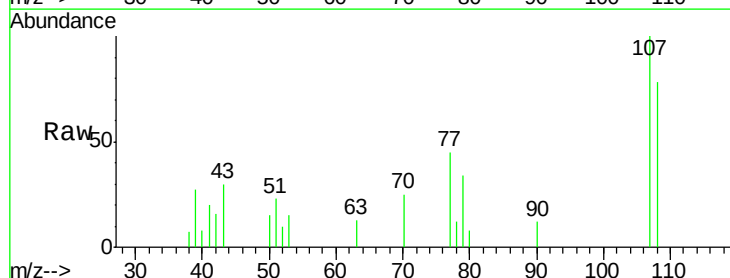
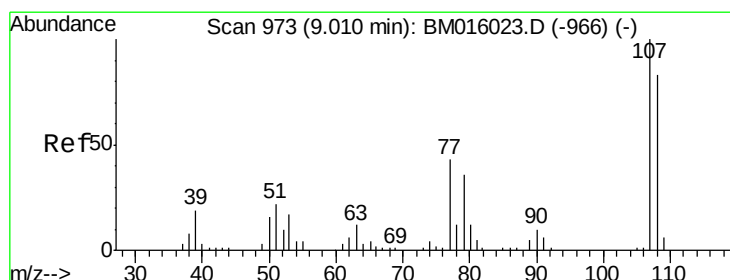
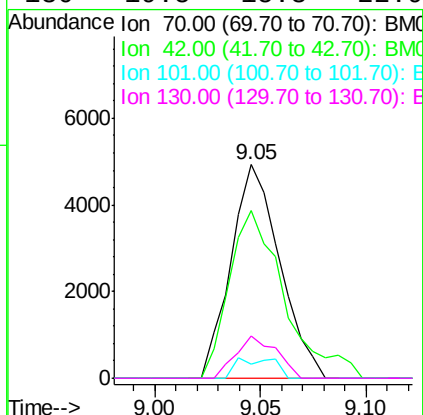
Ion Ratio Lower Upper

70 100

42 78.6 44.5 66.7#

101 6.8 7.4 11.2#

130 19.5 15.3 22.9



#20

3+4-Methylphenols

Concen: 3.420 ng

RT: 9.03 min Scan# 976

Delta R.T. 0.02 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Tgt Ion: 107 Resp: 10132

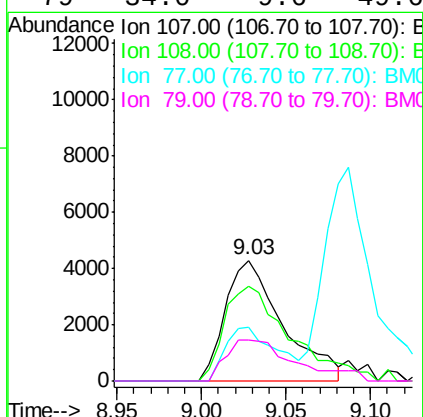
Ion Ratio Lower Upper

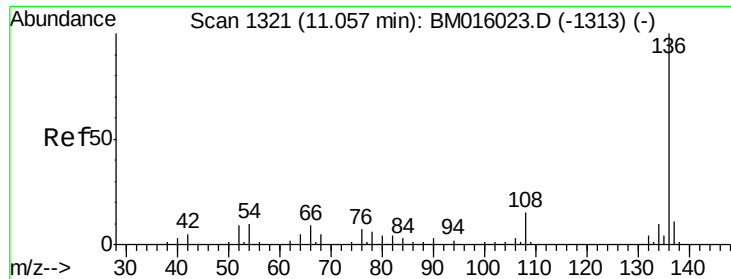
107 100

108 78.0 73.2 113.2

77 44.7 10.7 50.7

79 34.0 9.6 49.6

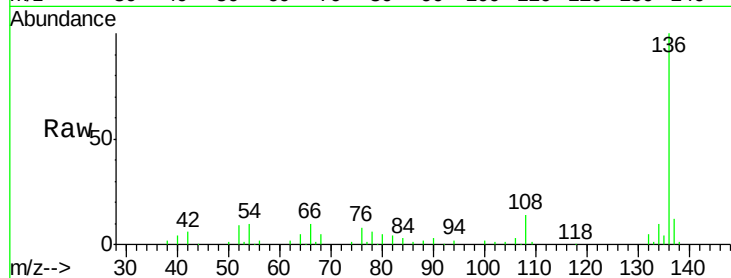




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

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

Tgt Ion:	136	Resp:	143727
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	10.1	4.6	6.8#
68	4.5	3.7	5.5



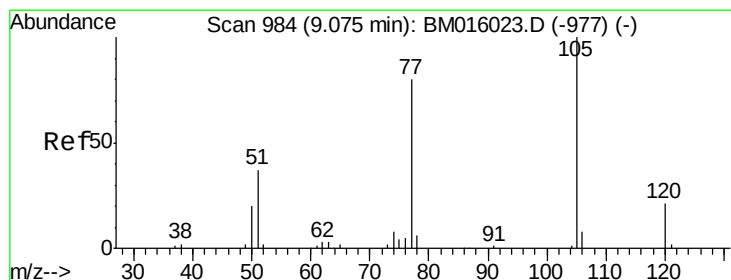
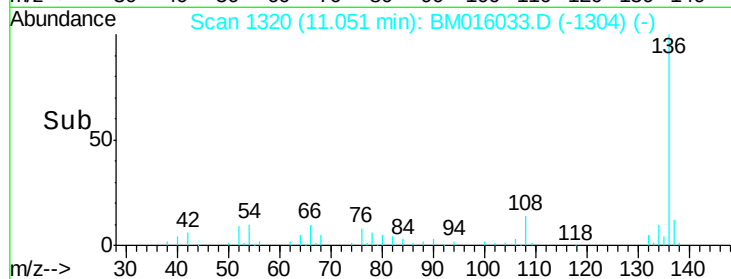
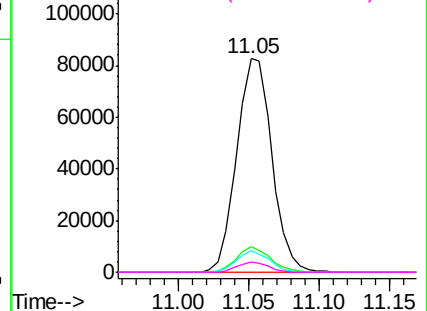
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

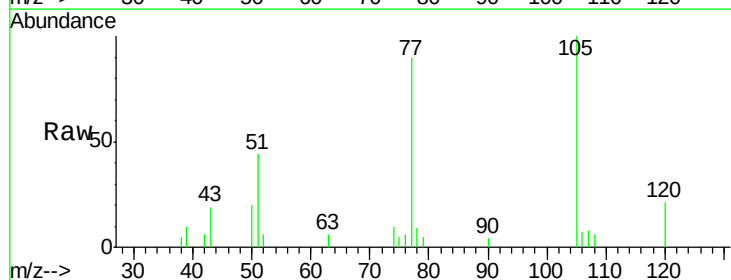
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22
Acetophenone
Concen: 4.414 ng
RT: 9.09 min Scan# 986
Delta R.T. 0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:	105	Resp:	15975
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	43.6	21.6	32.4#
120	21.3	16.1	24.1



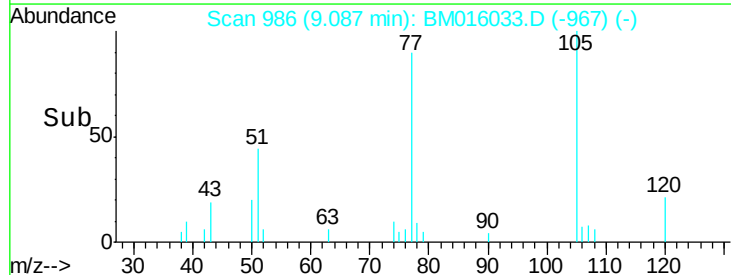
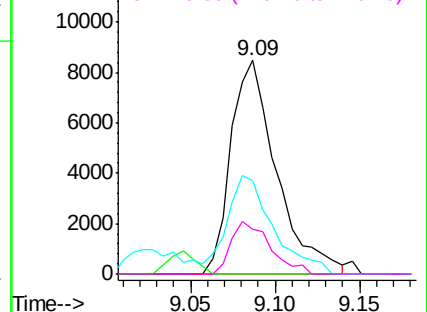
Abundance

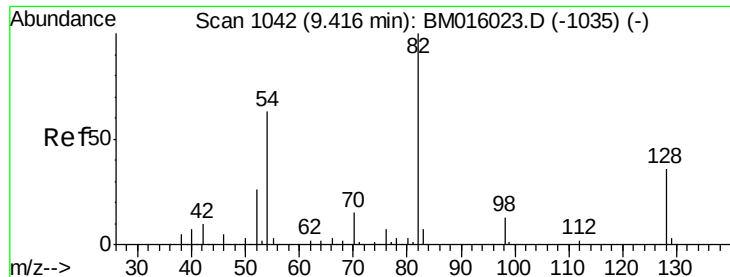
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

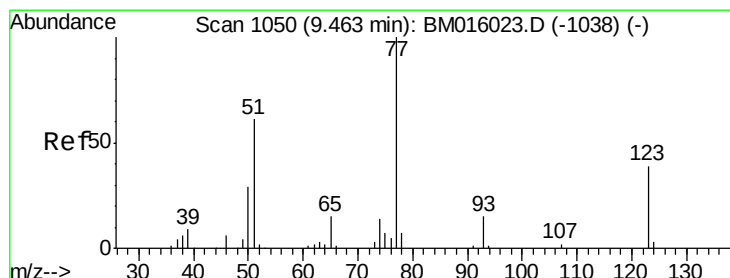
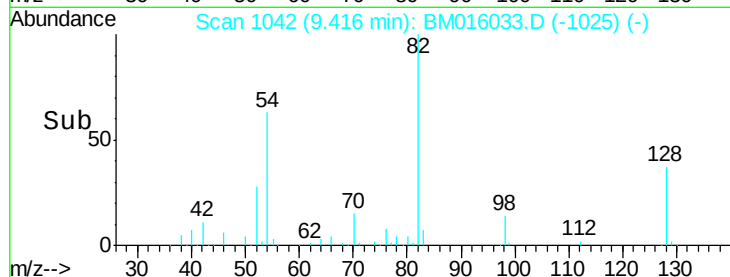
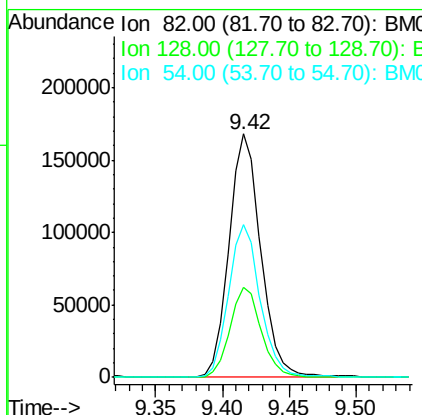
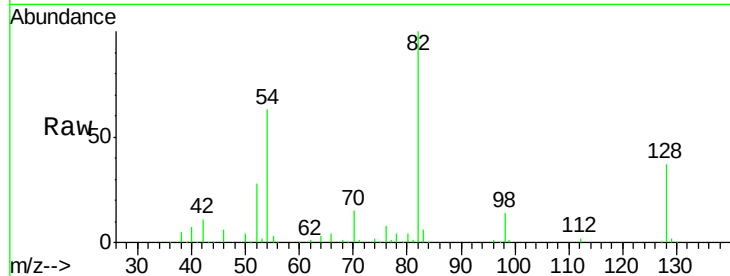




#23
 Nitrobenzene-d5
 Concen: 4.414 ng
 RT: 9.42 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

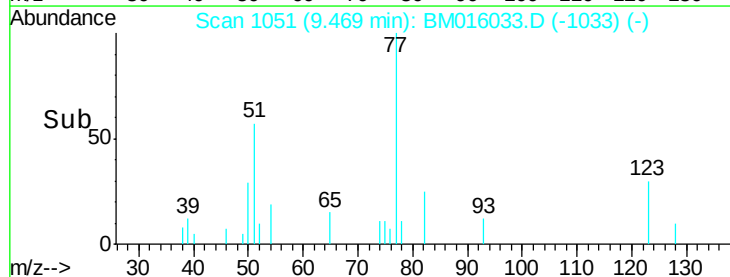
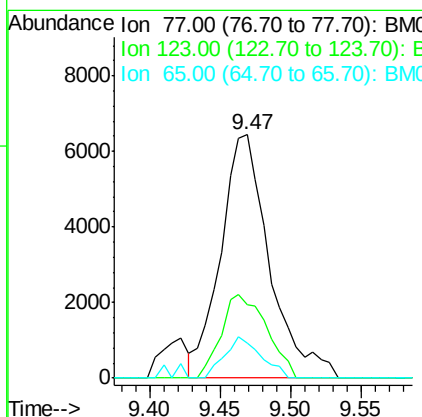
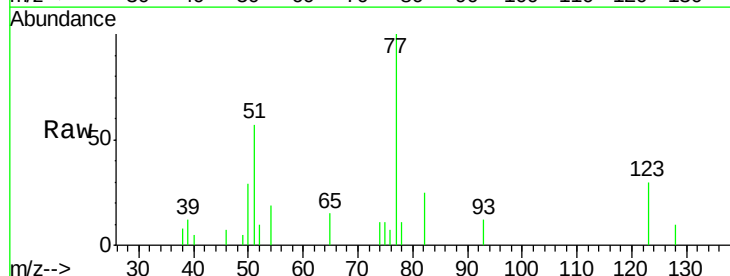
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

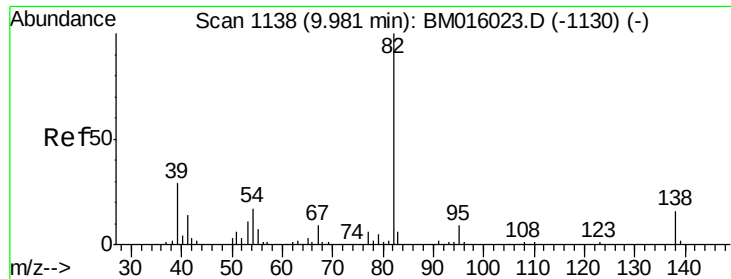
Tgt Ion: 82 Resp: 279522
 Ion Ratio Lower Upper
 82 100
 128 36.8 32.8 49.2
 54 62.8 40.6 60.8#



#24
 Nitrobenzene
 Concen: 4.990 ng
 RT: 9.47 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion: 77 Resp: 15520
 Ion Ratio Lower Upper
 77 100
 123 30.0 32.6 49.0#
 65 14.5 10.9 16.3





#25

Isophorone

Concen: 4.785 ng

RT: 9.98 min Scan# 1138

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

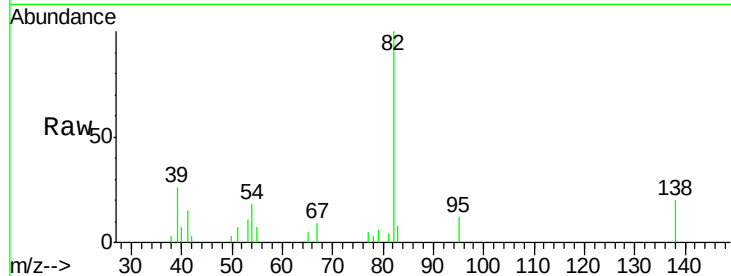
Tgt Ion: 82 Resp: 20227

Ion Ratio Lower Upper

82 100

95 11.7 5.8 8.6#

138 20.5 16.3 24.5

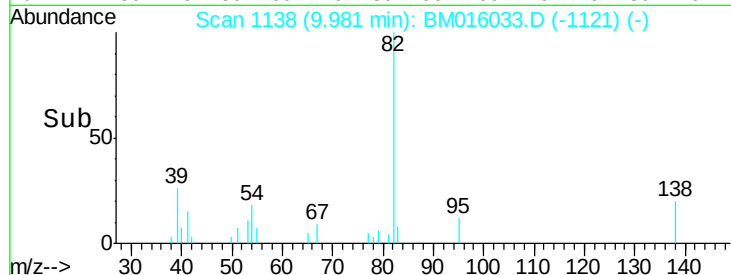


Abundance Ion 82.00 (81.70 to 82.70): BM016033.D (-1130) (-)

Ion 95.00 (94.70 to 95.70): BM016033.D (-1130) (-)

Ion 138.00 (137.70 to 138.70): BM016033.D (-1130) (-)

Time-->



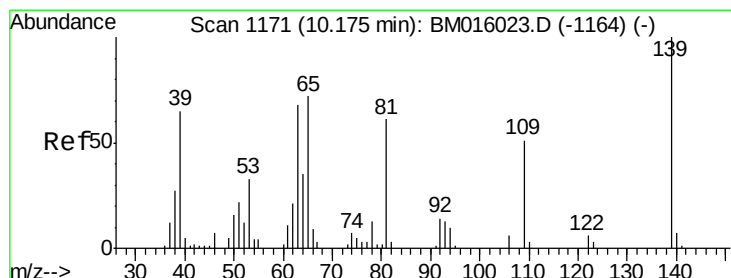
Abundance

Ion 82.00 (81.70 to 82.70): BM016033.D (-1130) (-)

Ion 95.00 (94.70 to 95.70): BM016033.D (-1130) (-)

Ion 138.00 (137.70 to 138.70): BM016033.D (-1130) (-)

Time-->



#26

2-Nitrophenol

Concen: 3.235 ng

RT: 10.19 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

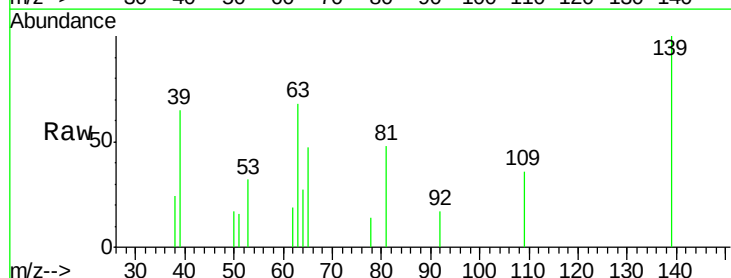
Tgt Ion: 139 Resp: 4201

Ion Ratio Lower Upper

139 100

109 36.5 20.1 30.1#

65 47.5 31.5 47.3#

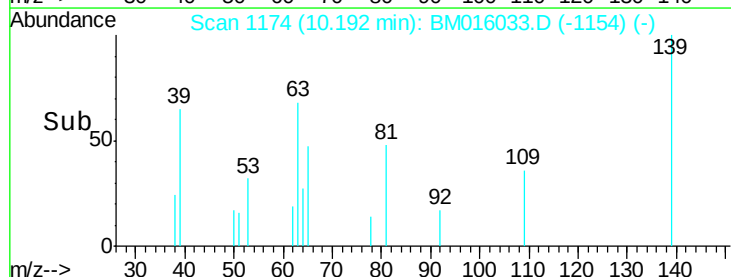


Abundance Ion 139.00 (138.70 to 139.70): BM016033.D (-1154) (-)

Ion 109.00 (108.70 to 109.70): BM016033.D (-1154) (-)

Ion 65.00 (64.70 to 65.70): BM016033.D (-1154) (-)

Time-->



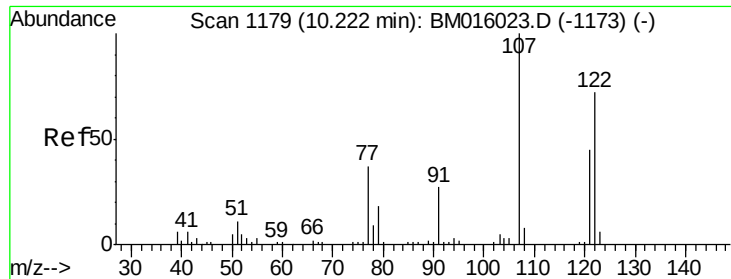
Abundance

Ion 139.00 (138.70 to 139.70): BM016033.D (-1154) (-)

Ion 109.00 (108.70 to 109.70): BM016033.D (-1154) (-)

Ion 65.00 (64.70 to 65.70): BM016033.D (-1154) (-)

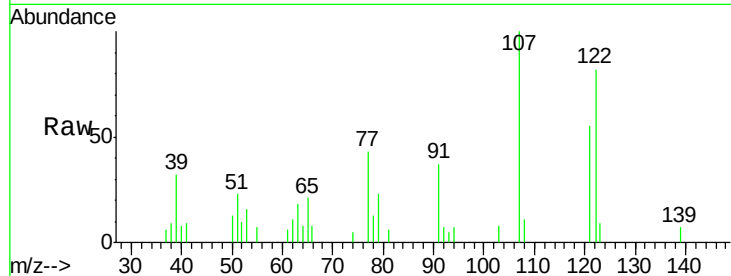
Time-->



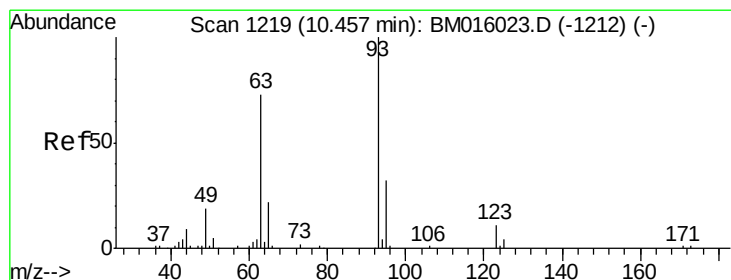
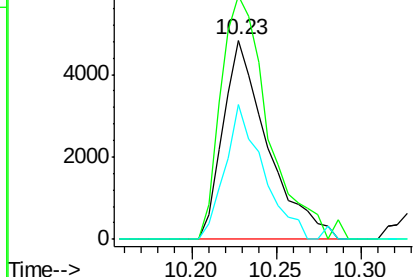
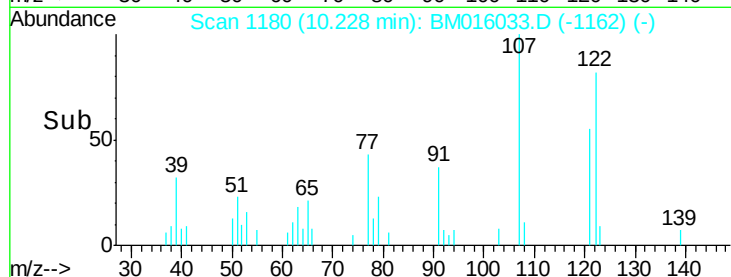
#27
 2,4-Dimethylphenol
 Concen: 4.916 ng
 RT: 10.23 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

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

Tgt Ion: 122 Resp: 8893
 Ion Ratio Lower Upper
 122 100
 107 122.3 84.7 127.1
 121 67.5 46.6 69.8

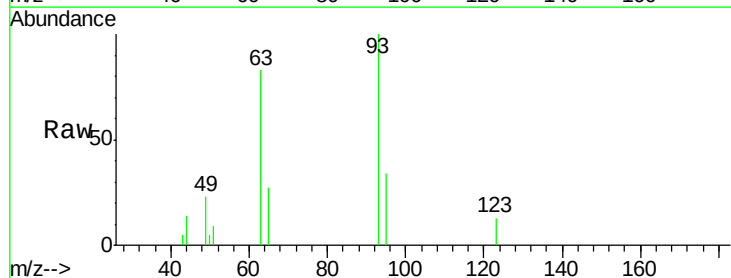


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

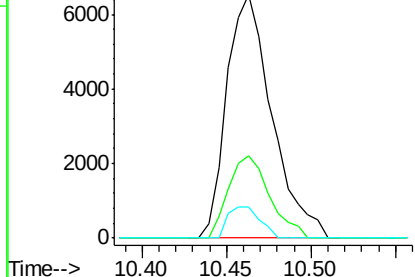
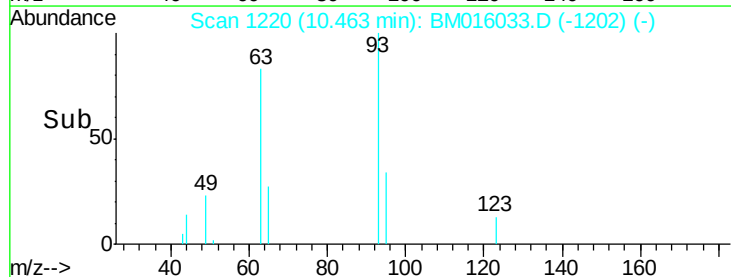


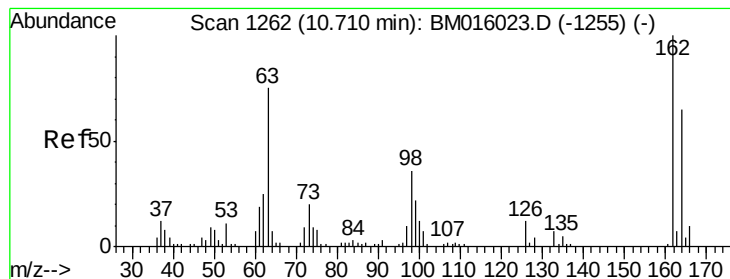
#28
 bis(2-Chloroethoxy)methane
 Concen: 4.417 ng
 RT: 10.46 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion: 93 Resp: 12135
 Ion Ratio Lower Upper
 93 100
 95 33.8 25.5 38.3
 123 12.7 8.6 13.0



Abundance Ion 93.00 (92.70 to 93.70): BM0
 Ion 95.00 (94.70 to 95.70): BM0
 Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 4.058 ng

RT: 10.73 min Scan# 1265

Delta R.T. 0.02 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

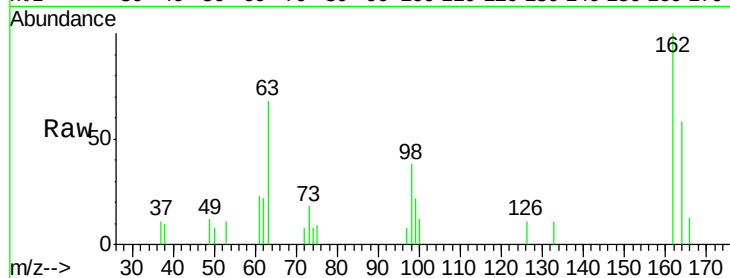
Tgt Ion:162 Resp: 8724

Ion Ratio Lower Upper

162 100

164 57.9 42.8 82.8

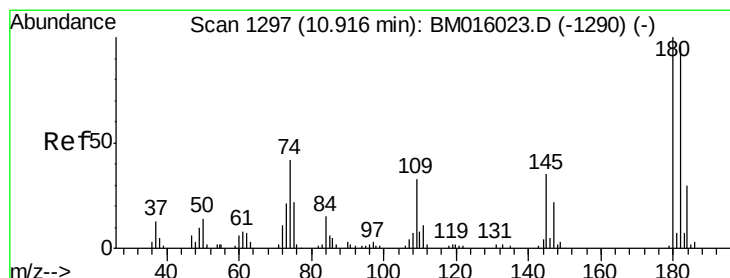
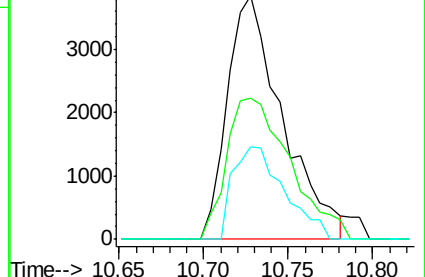
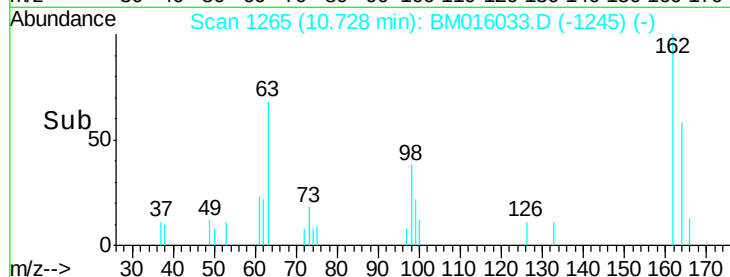
98 38.3 14.5 54.5



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: 4.591 ng

RT: 10.92 min Scan# 1297

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

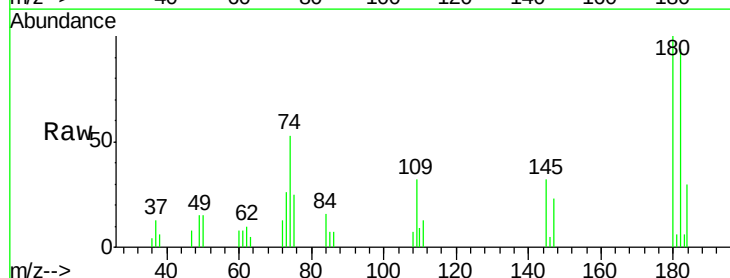
Tgt Ion:180 Resp: 11990

Ion Ratio Lower Upper

180 100

182 94.4 77.6 116.4

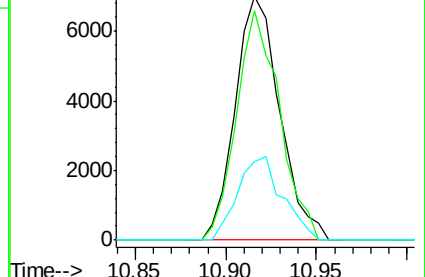
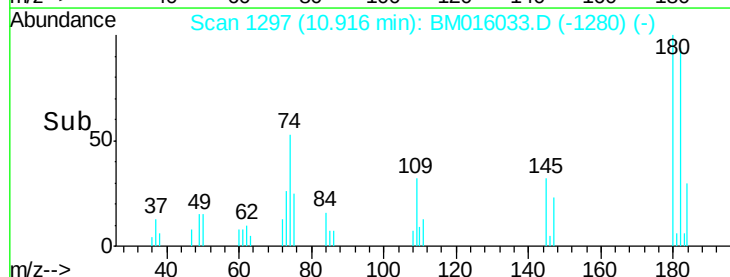
145 32.4 23.4 35.2

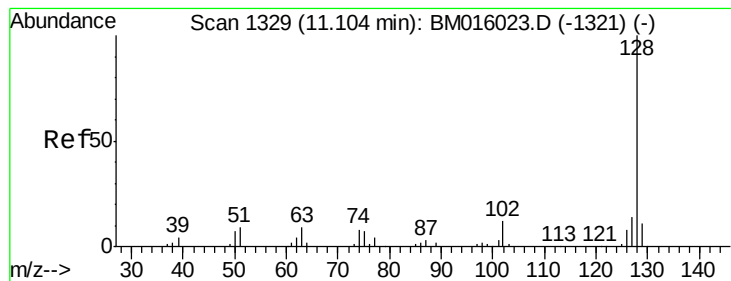


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 5.001 ng

RT: 11.10 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

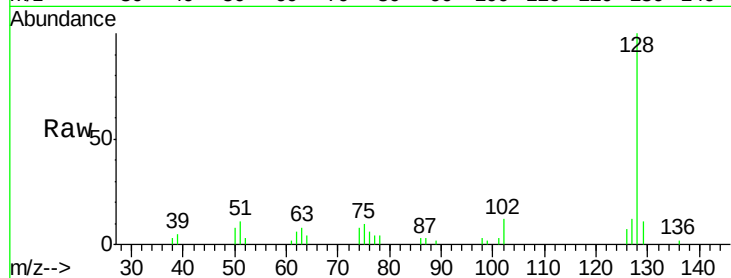
Tgt Ion:128 Resp: 36381

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

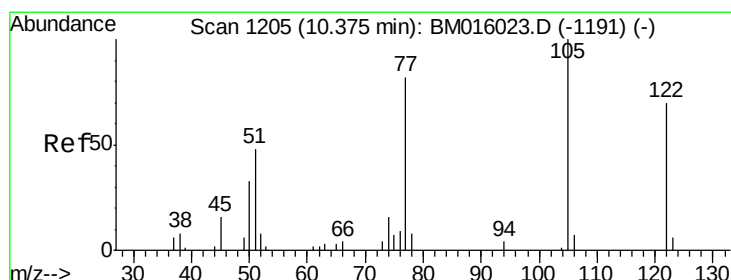
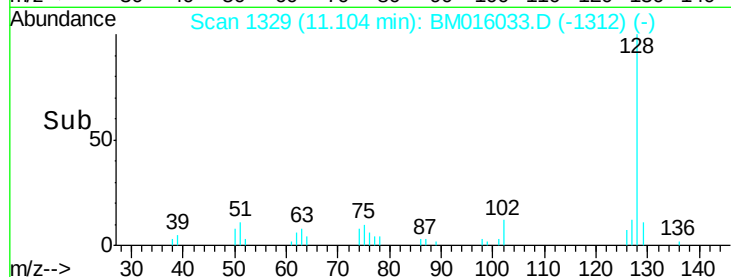
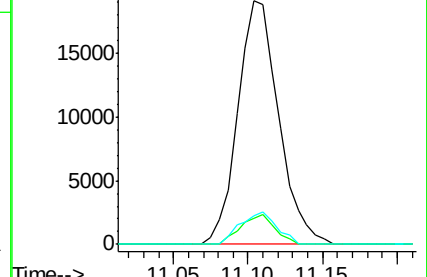
127 11.9 10.4 15.6



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: 1.501 ng

RT: 10.35 min Scan# 1200

Delta R.T. -0.03 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

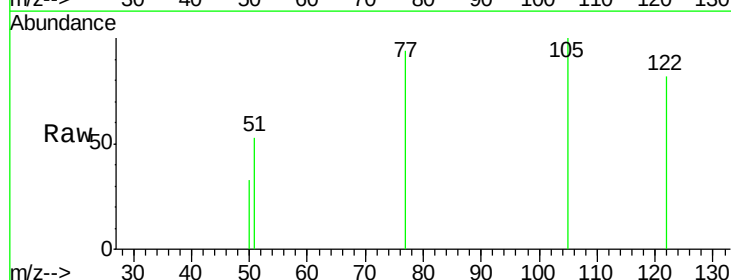
Tgt Ion:122 Resp: 2070

Ion Ratio Lower Upper

122 100

105 122.4 99.9 139.9

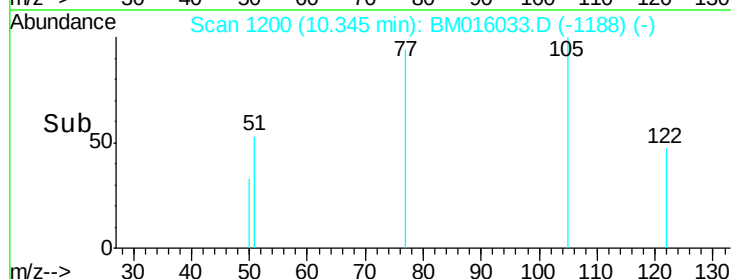
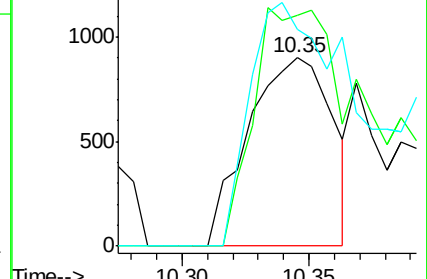
77 115.2 73.7 113.7#

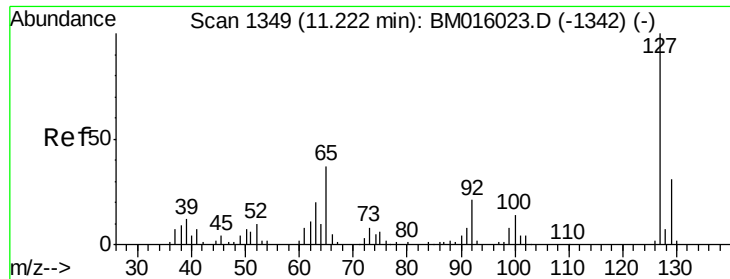


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

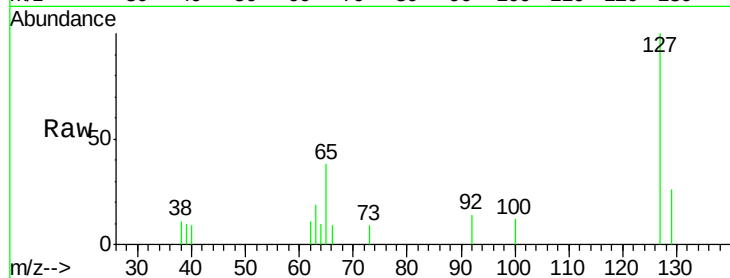




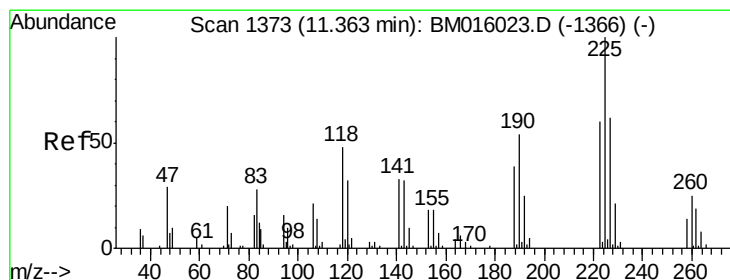
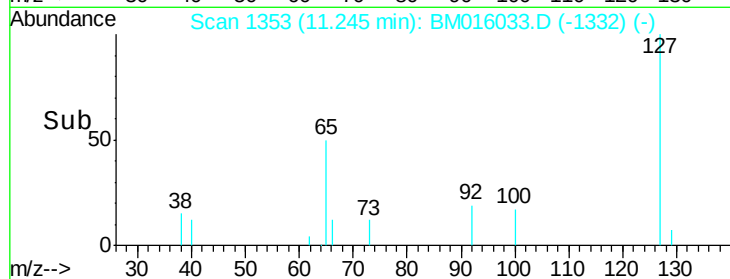
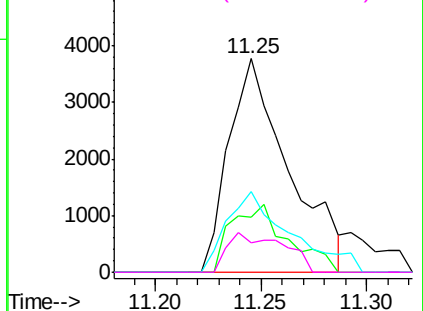
#33
4-Chloroaniline
Concen: 2.493 ng
RT: 11.25 min Scan# 1353
Delta R.T. 0.02 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

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

Tgt Ion:127 Resp: 7400
Ion Ratio Lower Upper
127 100
129 26.0 25.3 37.9
65 37.6 17.6 26.4#
92 13.9 13.1 19.7

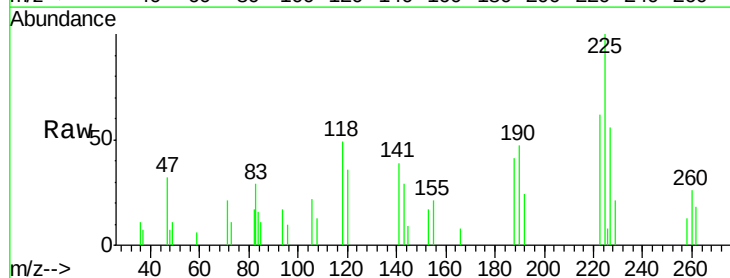


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

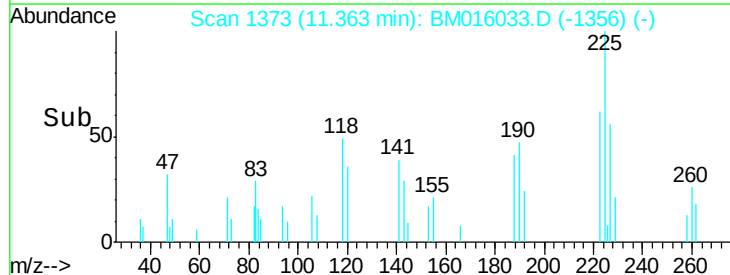
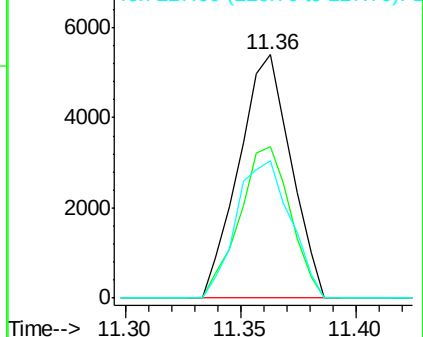


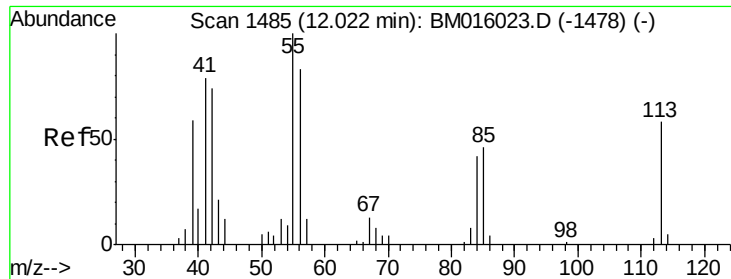
#34
Hexachlorobutadiene
Concen: 4.676 ng
RT: 11.36 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:225 Resp: 8472
Ion Ratio Lower Upper
225 100
223 62.3 47.9 71.9
227 56.3 50.1 75.1



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

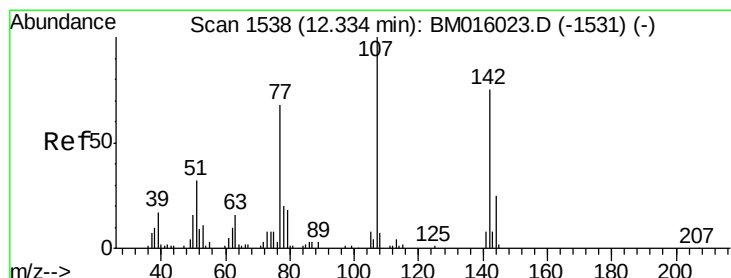
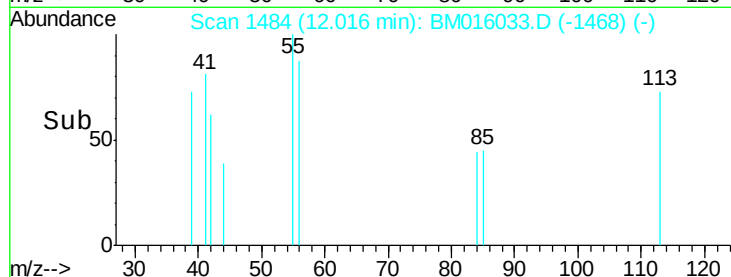
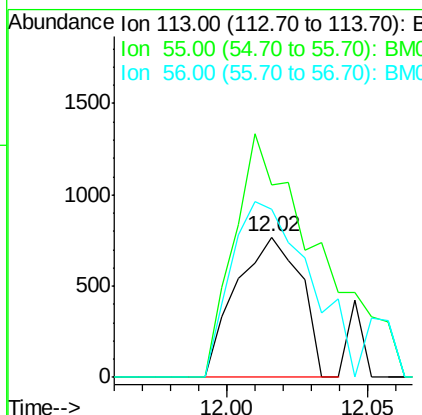
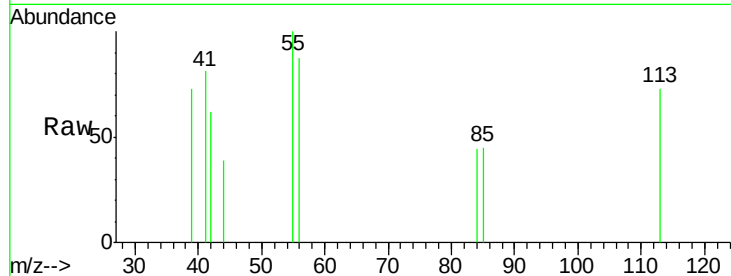




#35
 Caprolactam
 Concen: 2.042 ng
 RT: 12.02 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

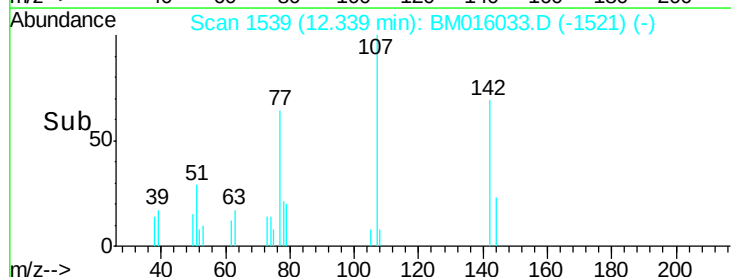
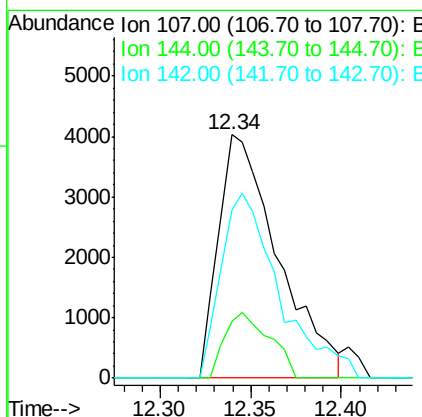
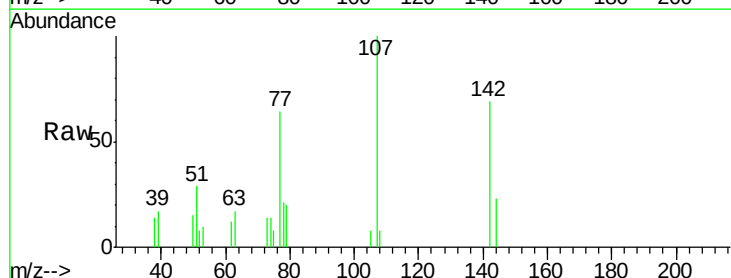
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

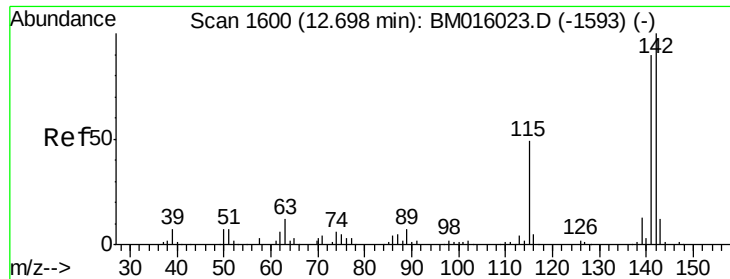
Tgt Ion:113 Resp: 1216
 Ion Ratio Lower Upper
 113 100
 55 137.5 145.9 185.9#
 56 119.4 101.0 141.0



#36
 4-Chloro-3-methylphenol
 Concen: 3.902 ng
 RT: 12.34 min Scan# 1539
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:107 Resp: 9226
 Ion Ratio Lower Upper
 107 100
 144 23.2 23.3 34.9#
 142 69.3 72.6 109.0#

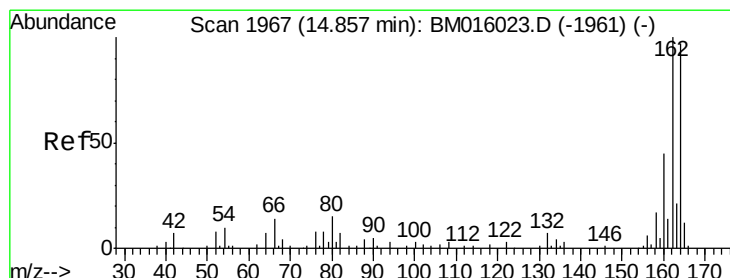
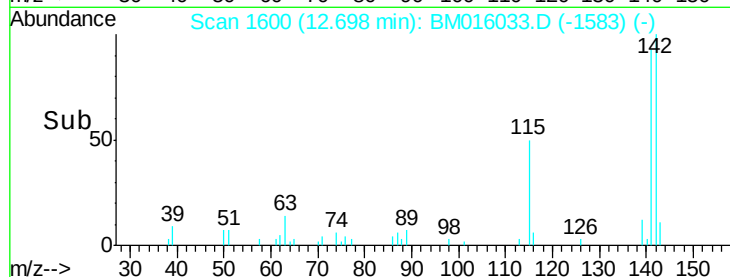
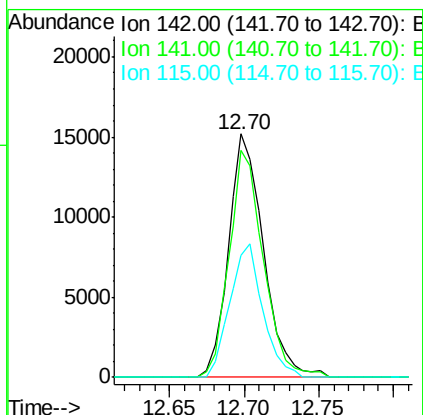
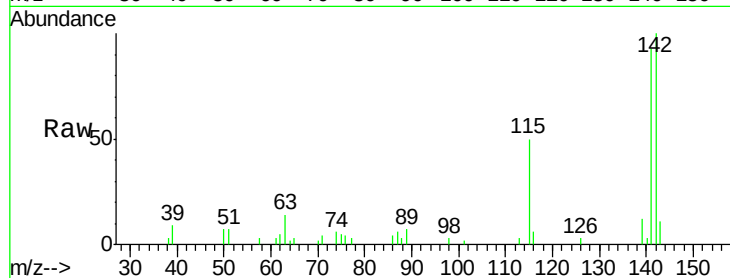




#37
2-Methylnaphthalene
Concen: 5.095 ng
RT: 12.70 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

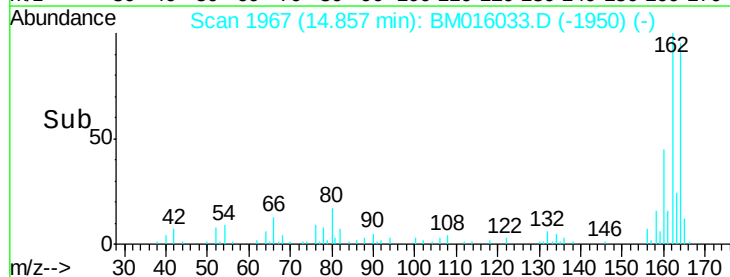
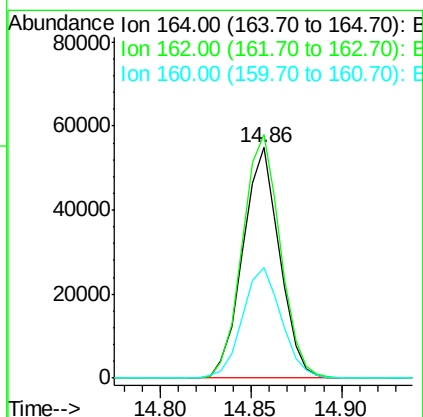
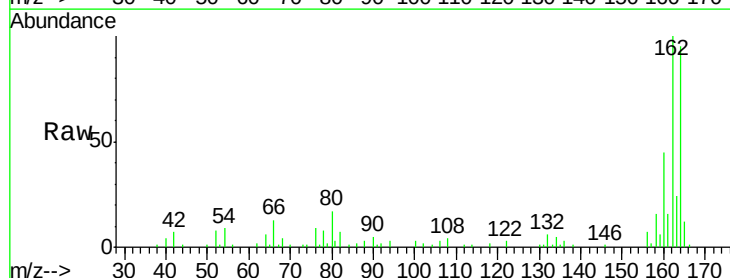
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

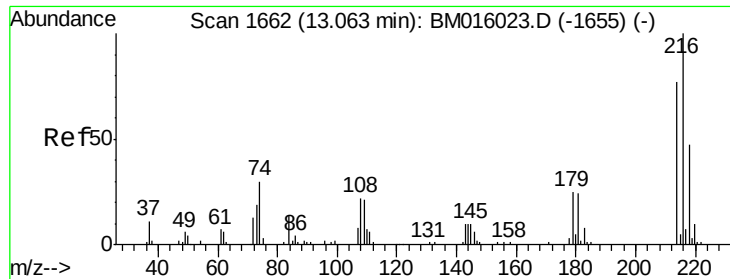
Tgt Ion:142 Resp: 24826
Ion Ratio Lower Upper
142 100
141 93.3 71.9 107.9
115 50.0 25.4 38.0#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.86 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:164 Resp: 77287
Ion Ratio Lower Upper
164 100
162 105.6 82.4 123.6
160 47.8 35.8 53.6

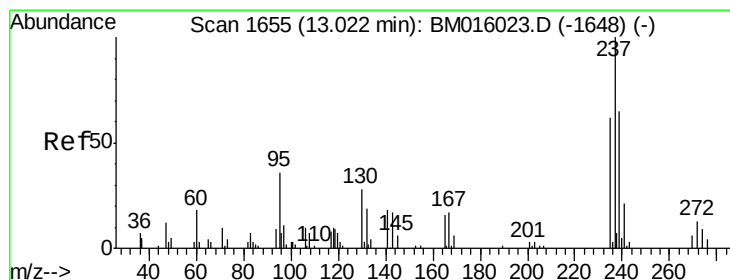
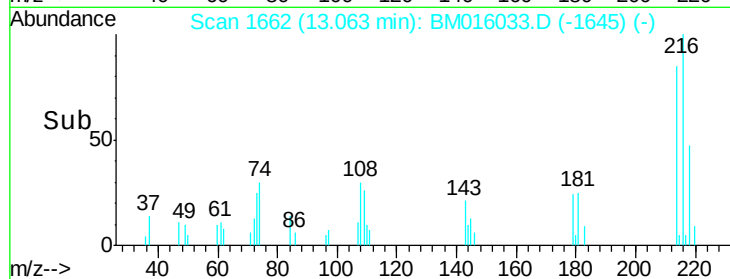
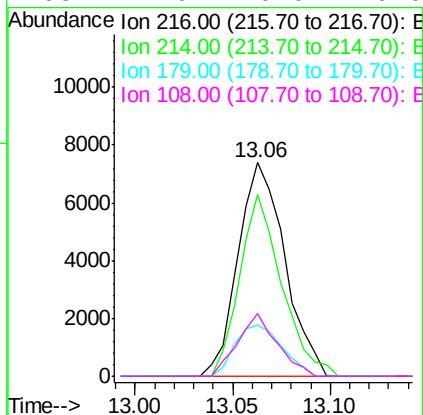
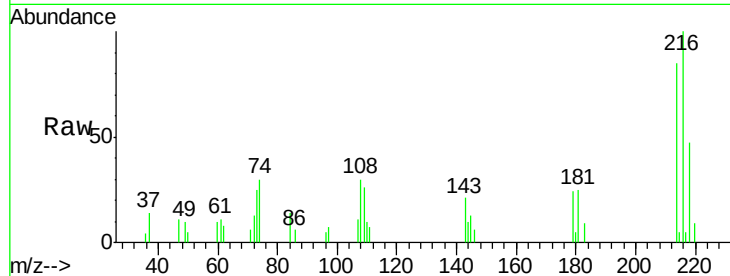




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 4.659 ng
 RT: 13.06 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

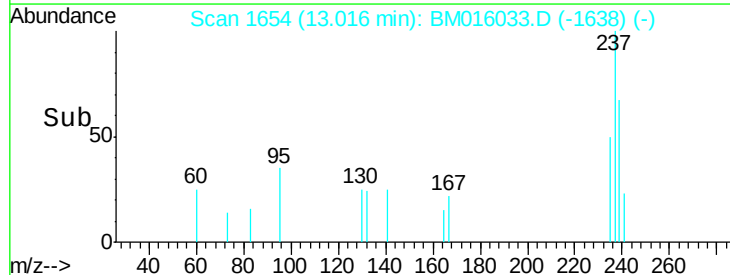
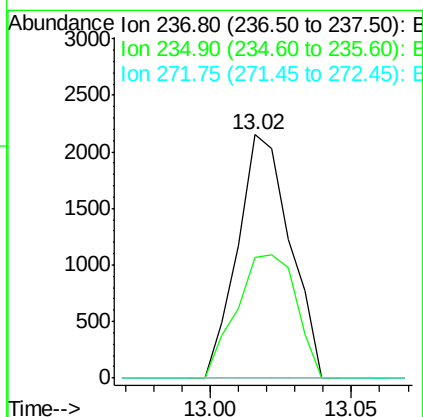
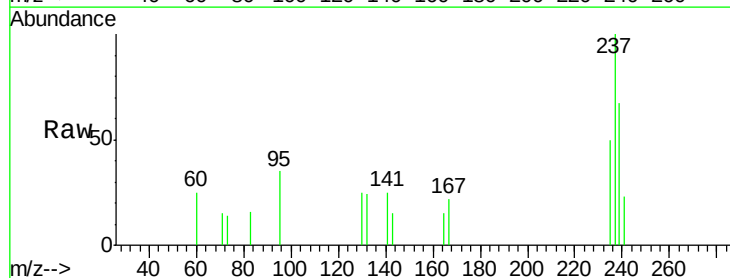
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

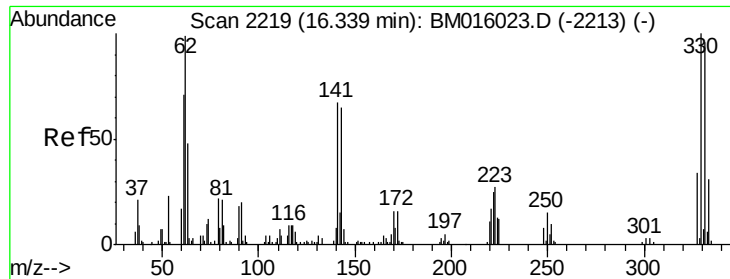
Tgt Ion:	216	Resp:	12258
Ion	Ratio	Lower	Upper
216	100		
214	76.4	0.0	0.0#
179	24.0	0.0	0.0#
108	24.9	0.0	0.0#



#40
 Hexachlorocyclopentadiene
 Concen: 9.609 ng
 RT: 13.02 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:	237	Resp:	2767
Ion	Ratio	Lower	Upper
237	100		
235	49.5	42.0	82.0
272	0.0	0.0	33.4

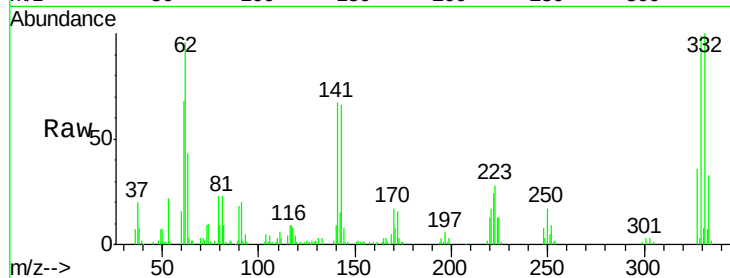




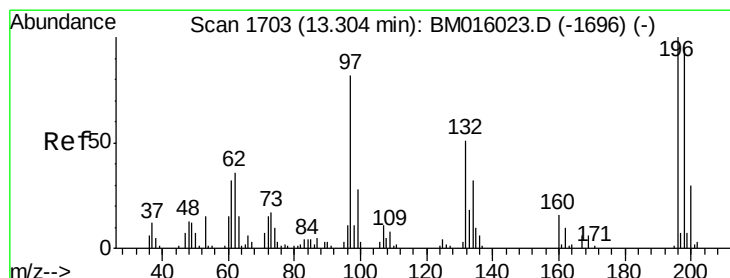
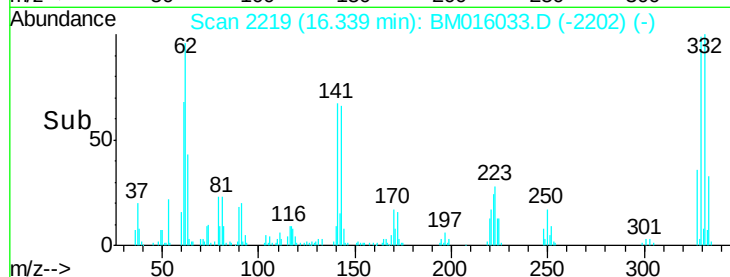
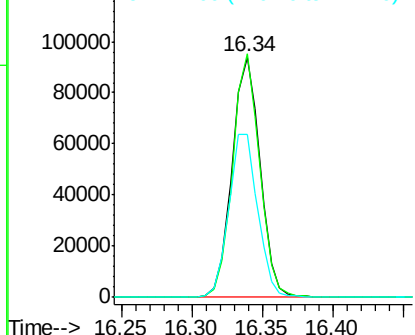
#41
 2,4,6-Tribromophenol
 Concen: 9.609 ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

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

Tgt Ion:330 Resp: 129644
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 70.3 0.0 0.0#

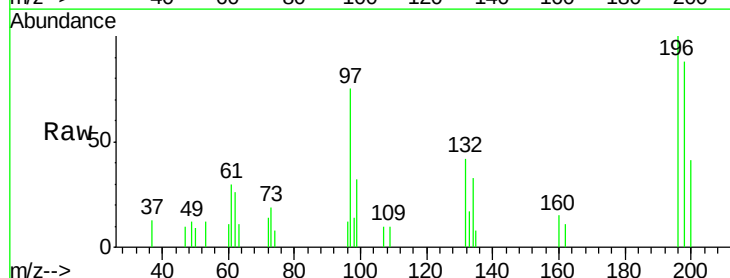


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

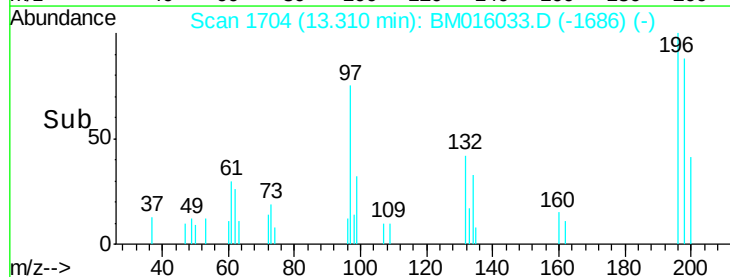
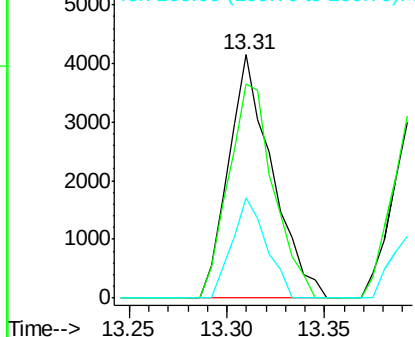


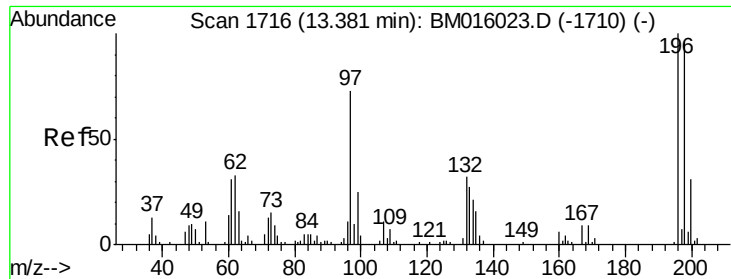
#42
 2,4,6-Trichlorophenol
 Concen: 3.880 ng
 RT: 13.31 min Scan# 1704
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:196 Resp: 6387
 Ion Ratio Lower Upper
 196 100
 198 87.8 76.3 114.5
 200 41.2 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

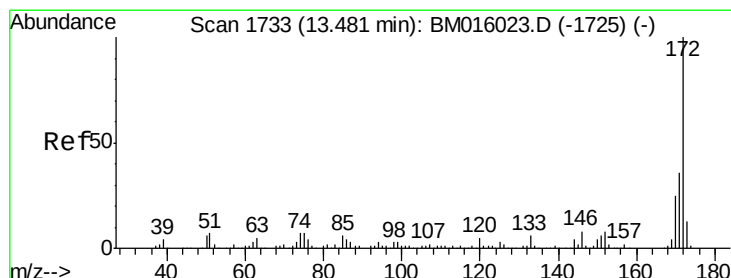
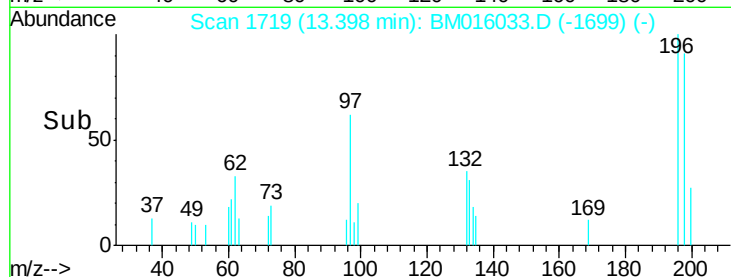
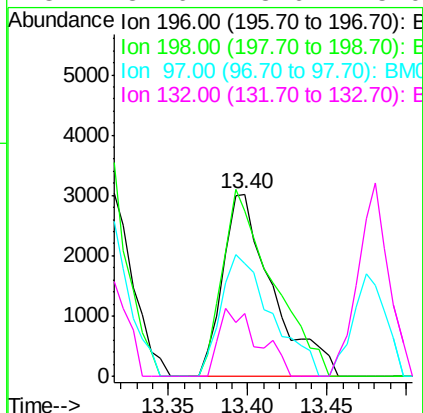
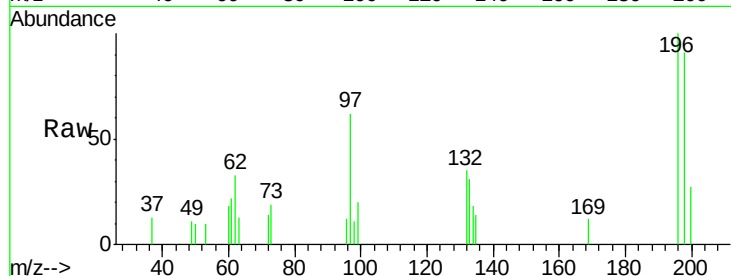




#43
 2,4,5-Trichlorophenol
 Concen: 3.879 ng
 RT: 13.40 min Scan# 1719
 Delta R.T. 0.02 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

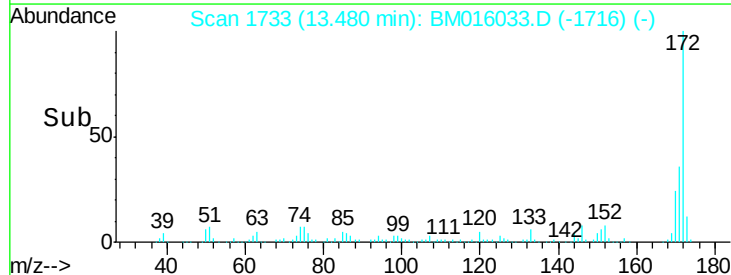
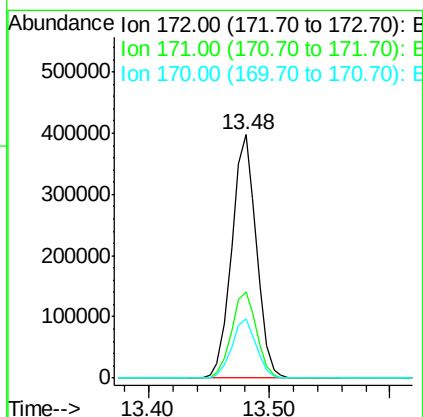
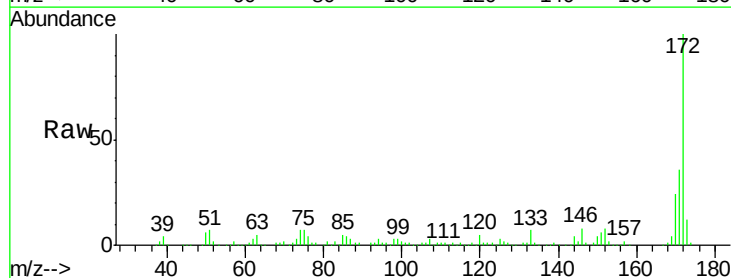
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

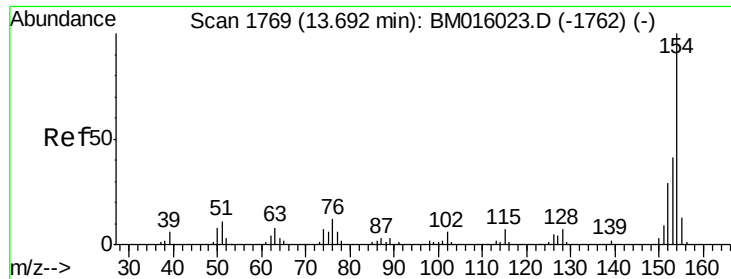
Tgt Ion:196 Resp: 6587
 Ion Ratio Lower Upper
 196 100
 198 90.6 79.4 119.0
 97 62.1 26.8 40.2#
 132 34.6 18.6 28.0#



#44
 2-Fluorobiphenyl
 Concen: 3.879 ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:172 Resp: 563804
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.5 42.7
 170 24.4 18.8 28.2

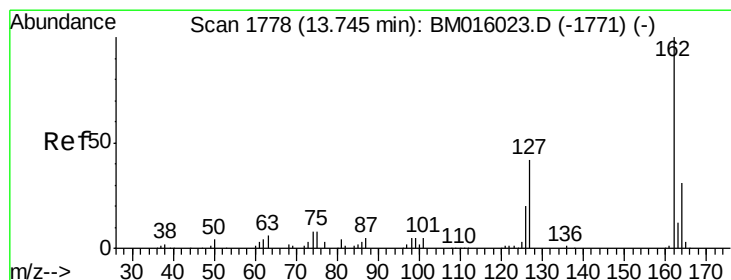
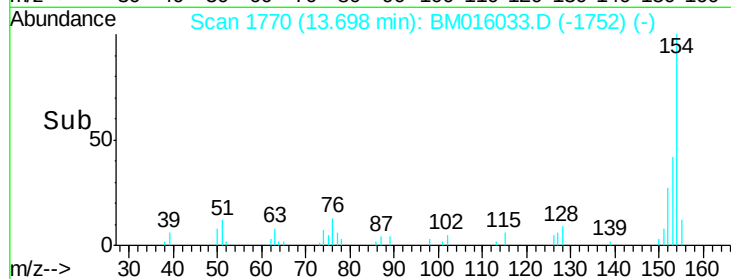
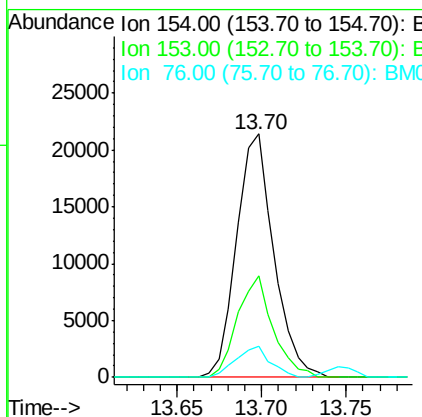
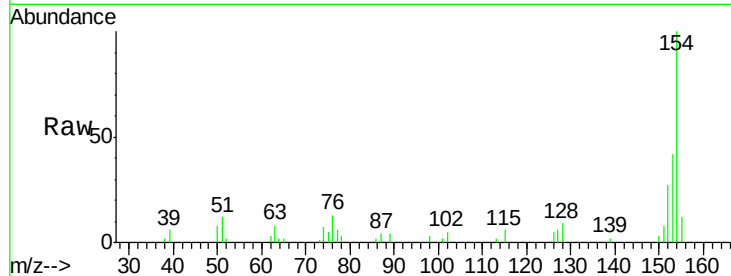




#45
 1,1'-Biphenyl
 Concen: 4.722 ng
 RT: 13.70 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

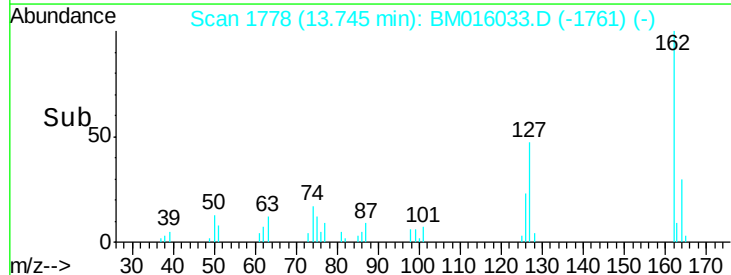
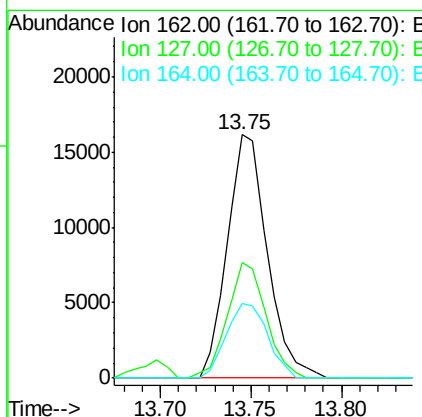
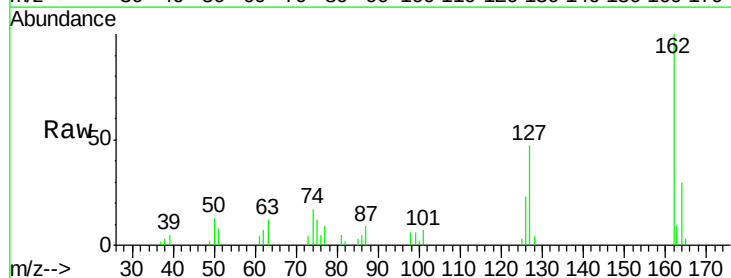
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

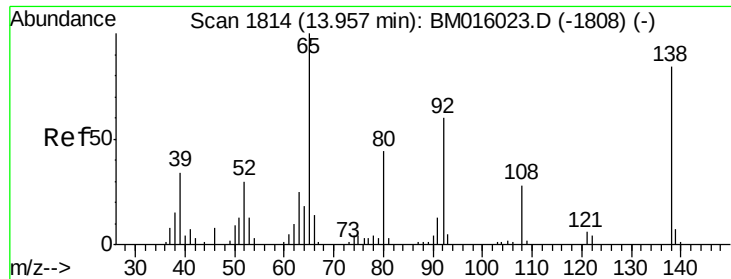
Tgt Ion:154 Resp: 32934
 Ion Ratio Lower Upper
 154 100
 153 41.9 20.7 60.7
 76 12.6 0.0 30.9



#46
 2-Chloronaphthalene
 Concen: 4.556 ng
 RT: 13.75 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:162 Resp: 24717
 Ion Ratio Lower Upper
 162 100
 127 47.2 26.9 40.3#
 164 30.4 26.8 40.2

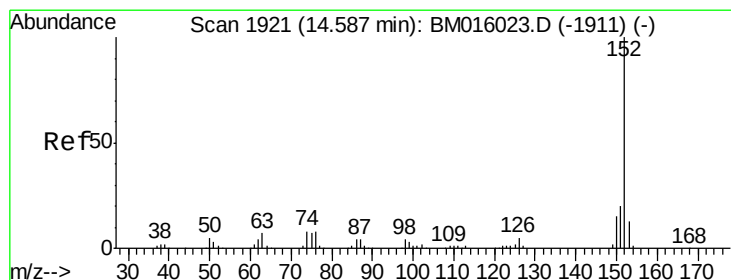
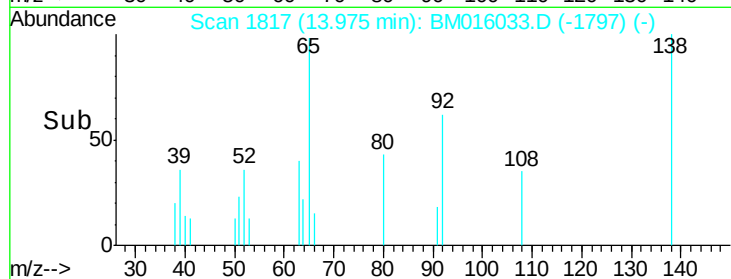
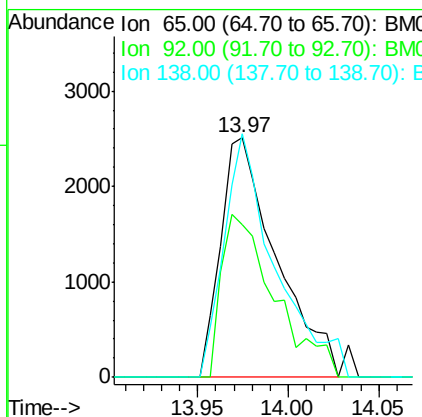
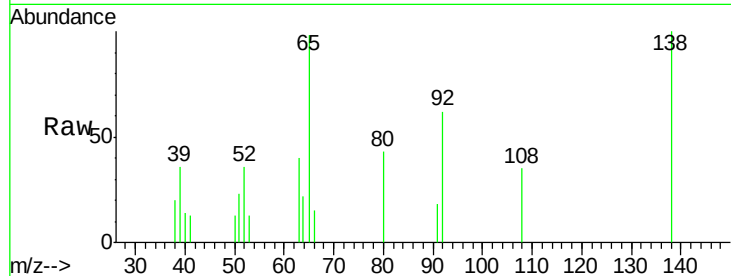




#47
2-Nitroaniline
Concen: 3.001 ng
RT: 13.97 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

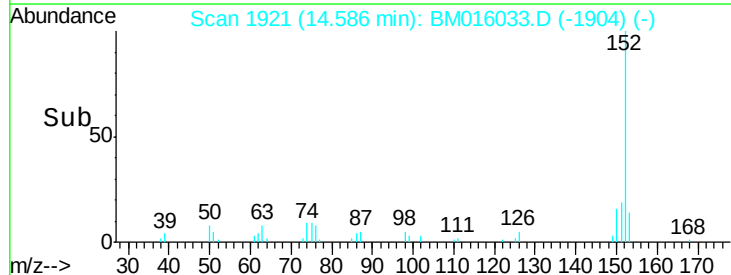
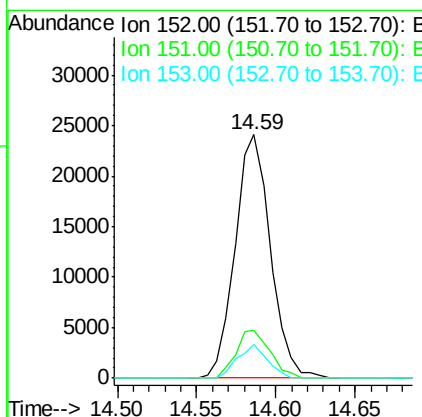
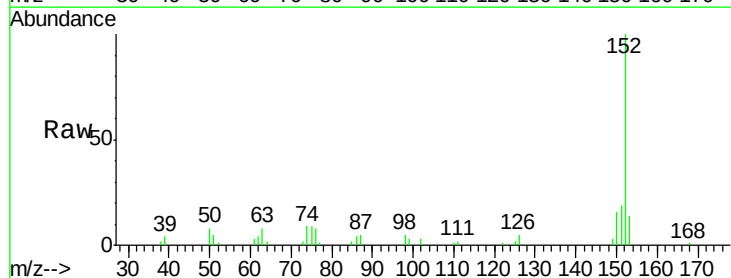
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

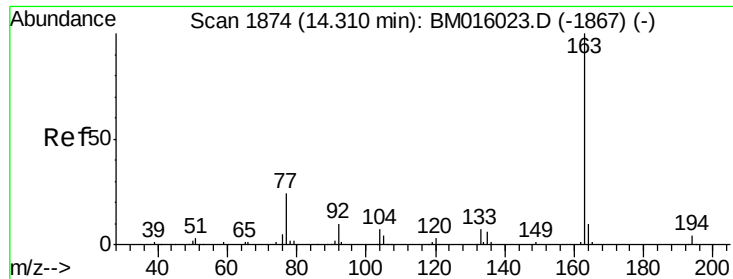
Tgt Ion: 65 Resp: 5383
Ion Ratio Lower Upper
65 100
92 63.6 59.1 88.7
138 101.7 93.9 140.9



#48
Acenaphthylene
Concen: 4.685 ng
RT: 14.59 min Scan# 1921
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 152 Resp: 37207
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.6 10.6 16.0





#49

Dimethylphthalate

Concen: 4.538 ng

RT: 14.31 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

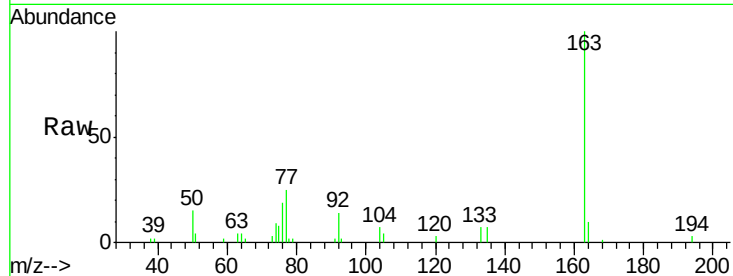
Tgt Ion:163 Resp: 30694

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

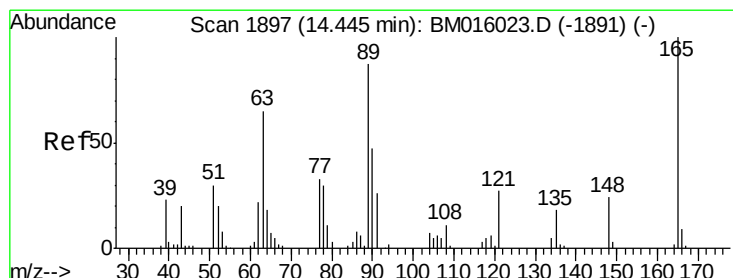
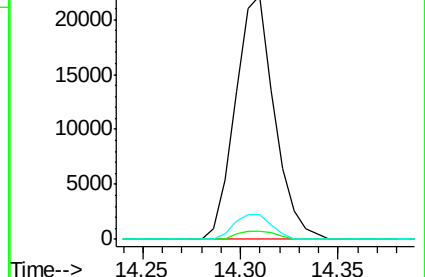
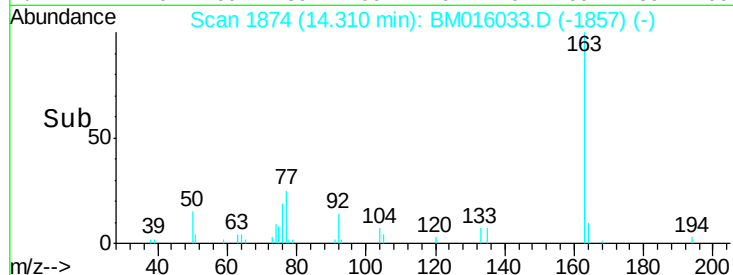
164 10.0 8.2 12.2



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: 3.933 ng

RT: 14.45 min Scan# 1897

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

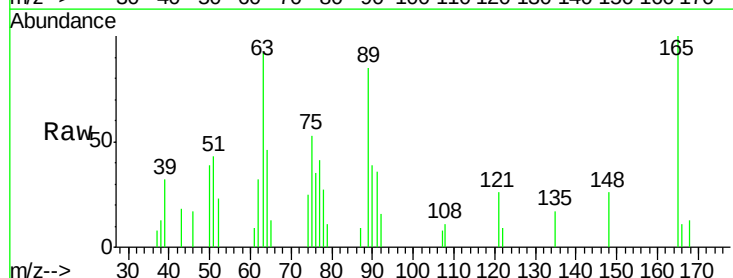
Tgt Ion:165 Resp: 5353

Ion Ratio Lower Upper

165 100

63 91.7 44.1 66.1#

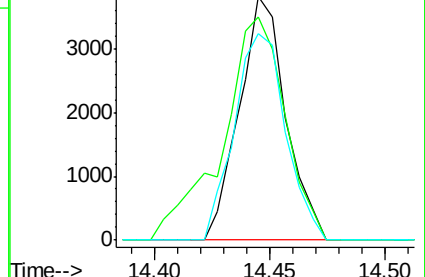
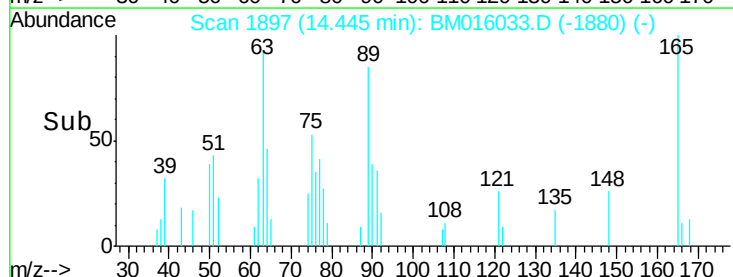
89 85.0 44.3 66.5#

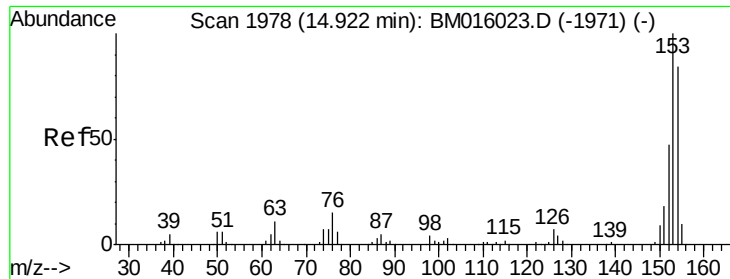


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#51

Acenaphthene

Concen: 4.650 ng

RT: 14.92 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

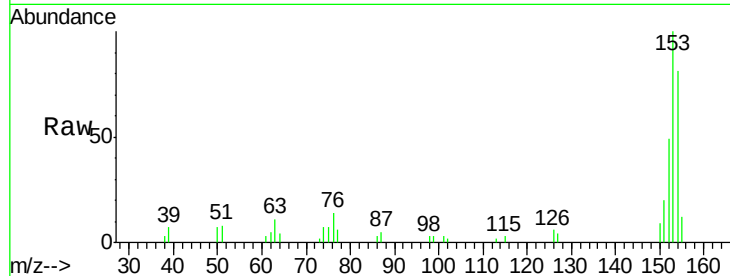
Tgt Ion:154 Resp: 22710

Ion Ratio Lower Upper

154 100

153 123.8 90.0 135.0

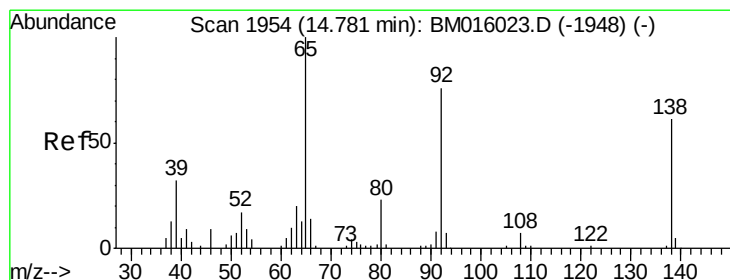
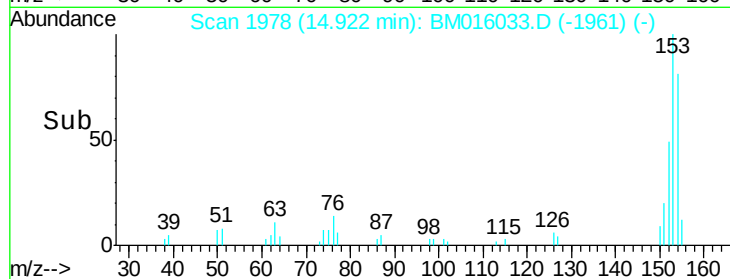
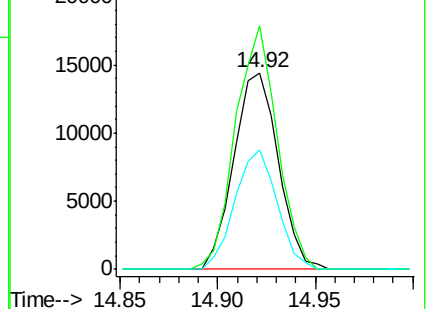
152 60.9 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 2.433 ng

RT: 14.80 min Scan# 1957

Delta R.T. 0.02 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

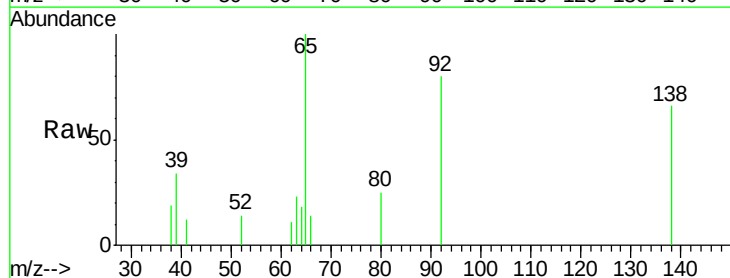
Tgt Ion:138 Resp: 3577

Ion Ratio Lower Upper

138 100

108 0.0 7.3 10.9#

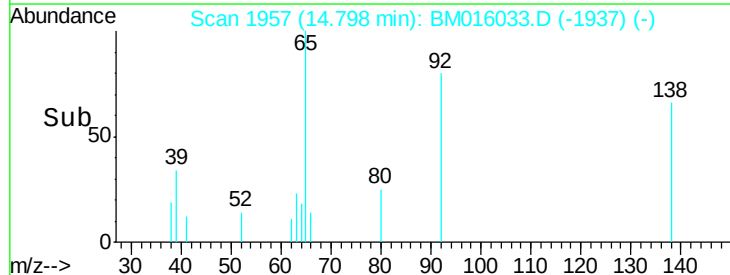
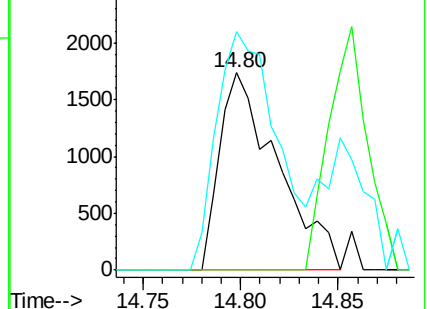
92 120.7 76.6 114.8#

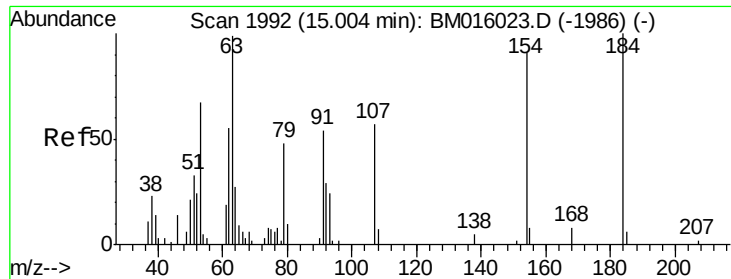


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM





#53

2,4-Dinitrophenol

Concen: 7.407 ng

RT: 15.04 min Scan# 1998

Delta R.T. 0.04 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

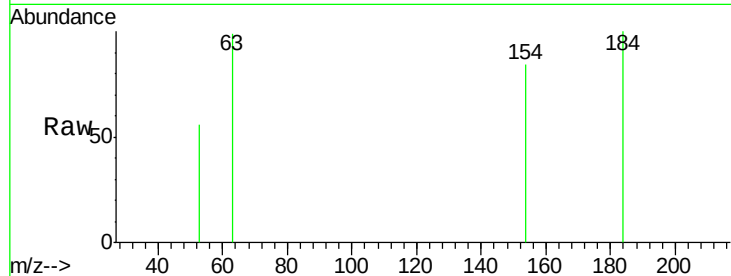
Tgt Ion:184 Resp: 815

Ion Ratio Lower Upper

184 100

63 99.3 69.2 103.8

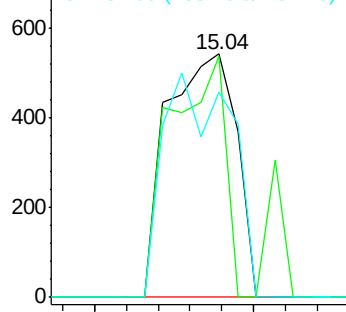
154 84.1 53.3 79.9#



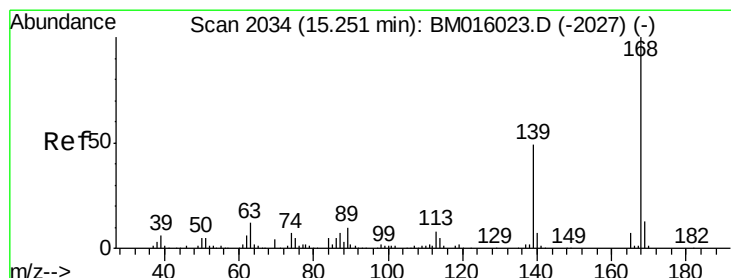
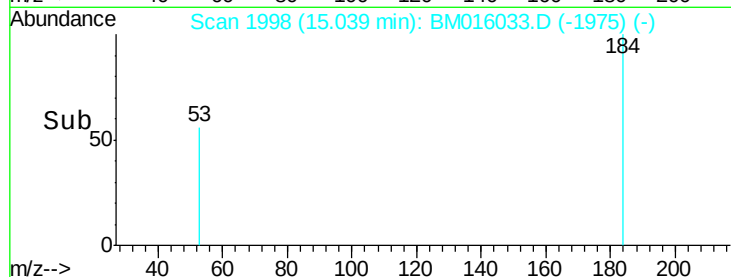
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E



Time-->



#54

Dibenzofuran

Concen: 4.629 ng

RT: 15.26 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

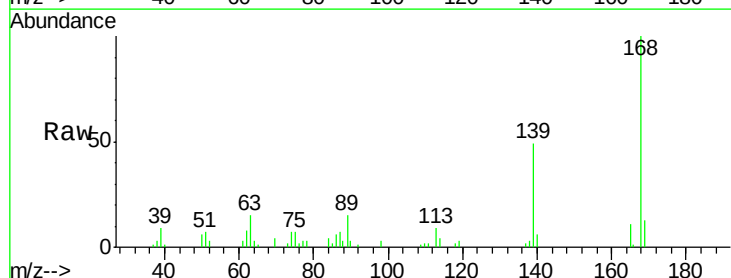
Tgt Ion:168 Resp: 37262

Ion Ratio Lower Upper

168 100

139 48.9 27.3 40.9#

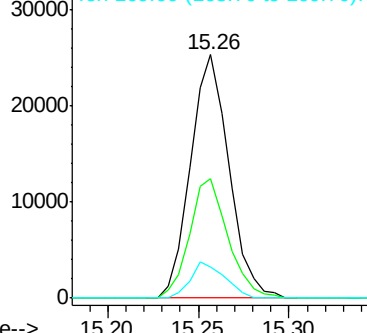
169 12.9 10.6 16.0



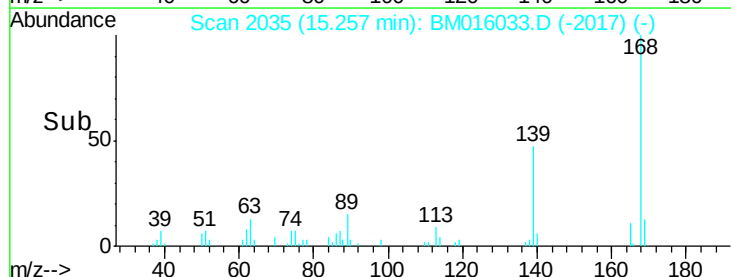
Abundance Ion 168.00 (167.70 to 168.70): E

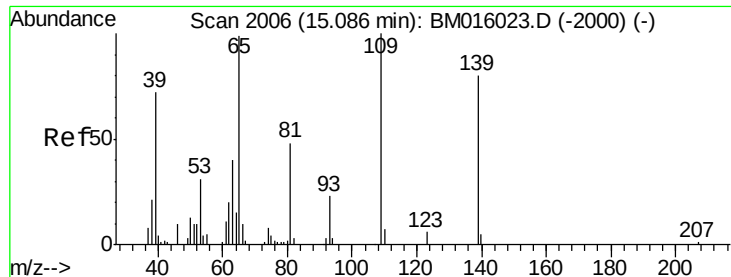
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



Time-->

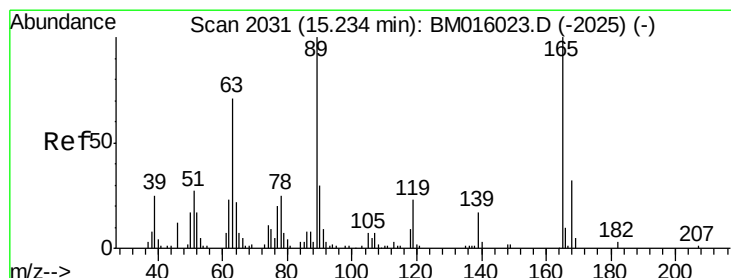
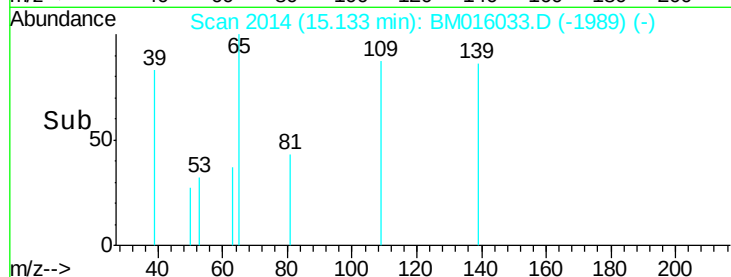
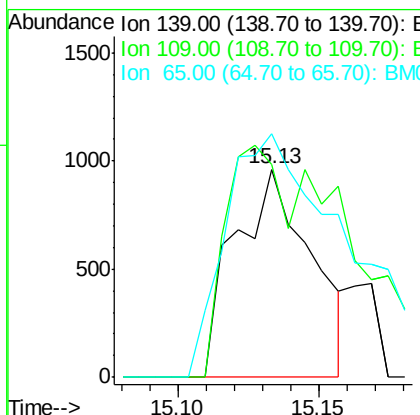
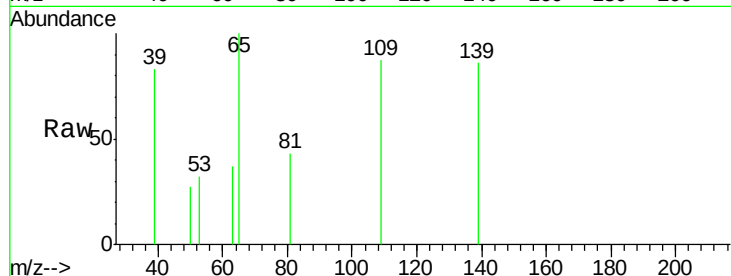




#55
4-Nitrophenol
Concen: 1.717 ng
RT: 15.13 min Scan# 2014
Delta R.T. 0.05 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

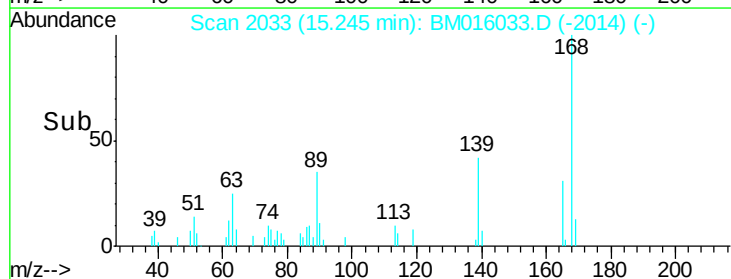
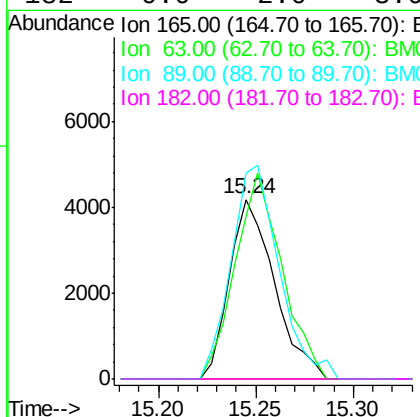
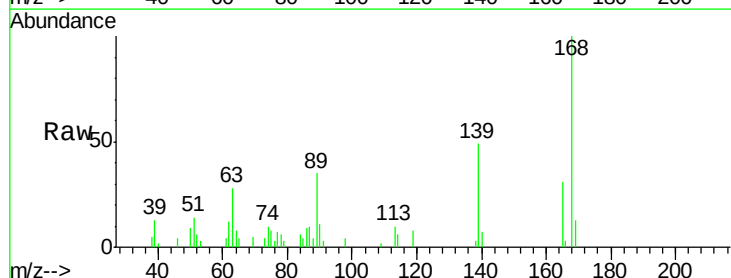
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

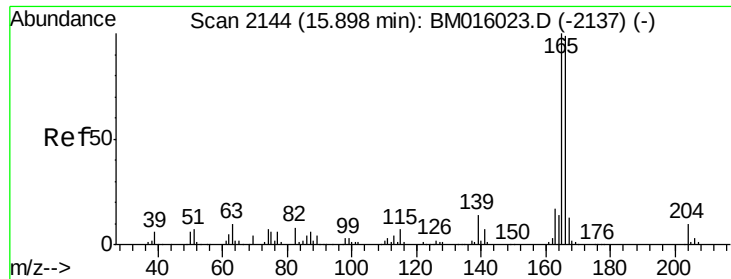
Tgt Ion:139 Resp: 1809
Ion Ratio Lower Upper
139 100
109 102.0 130.0 170.0#
65 116.9 130.0 170.0#



#56
2,4-Dinitrotoluene
Concen: 3.451 ng
RT: 15.24 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:165 Resp: 6716
Ion Ratio Lower Upper
165 100
63 90.6 52.4 78.6#
89 115.1 72.4 108.6#
182 0.0 2.0 3.0#

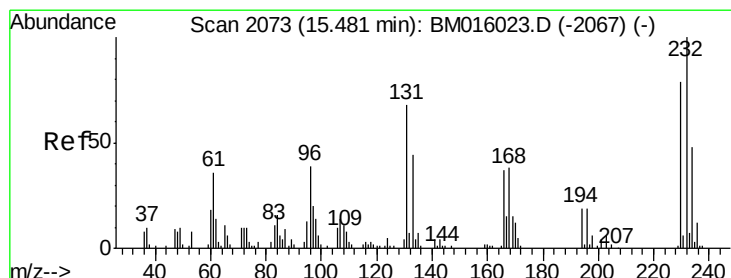
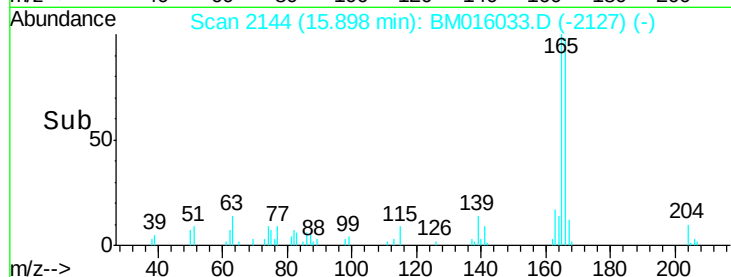
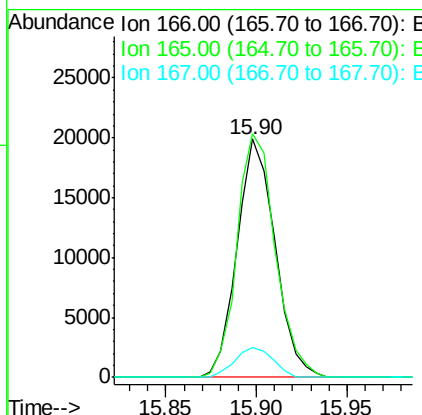
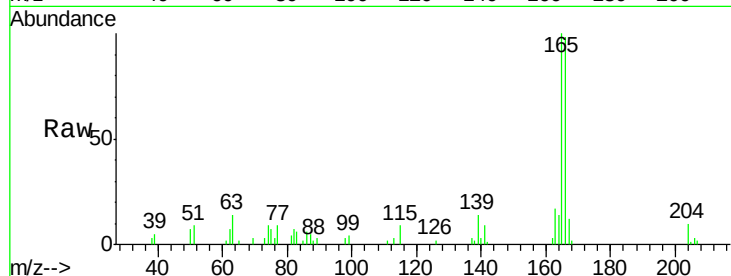




#57
 Fluorene
 Concen: 4.860 ng
 RT: 15.90 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

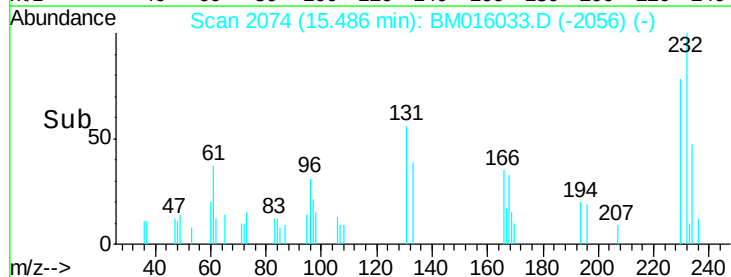
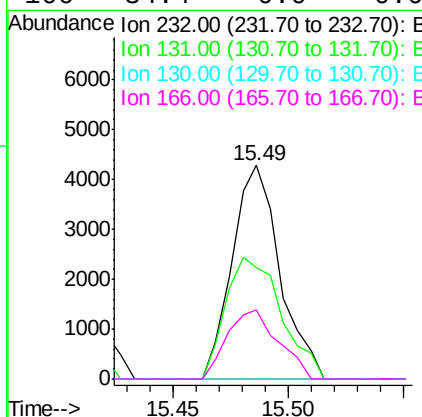
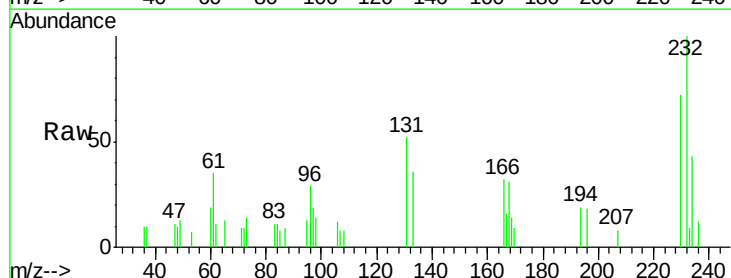
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

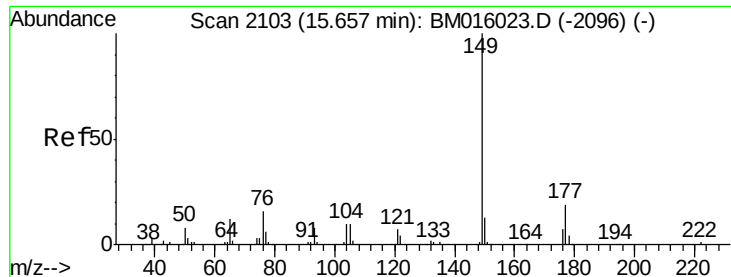
Tgt Ion:166 Resp: 29070
 Ion Ratio Lower Upper
 166 100
 165 102.1 79.0 118.4
 167 12.5 10.3 15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 4.218 ng
 RT: 15.49 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:232 Resp: 6157
 Ion Ratio Lower Upper
 232 100
 131 66.4 0.0 0.0#
 130 0.0 0.0 0.0
 166 34.4 0.0 0.0#

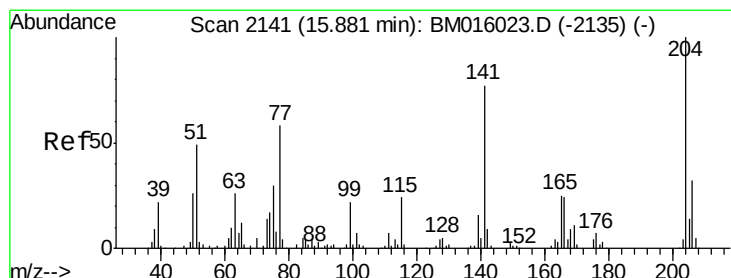
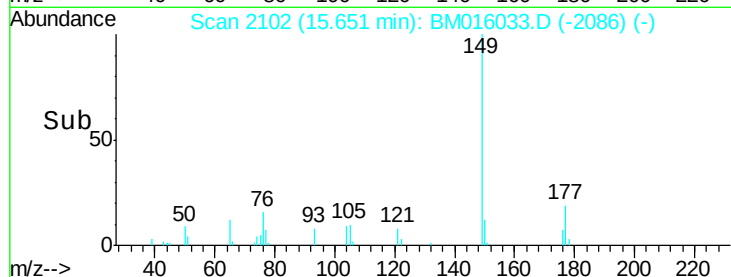
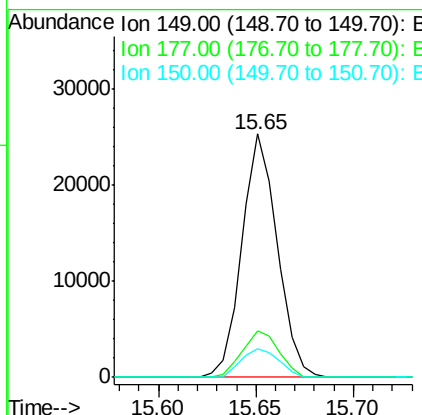
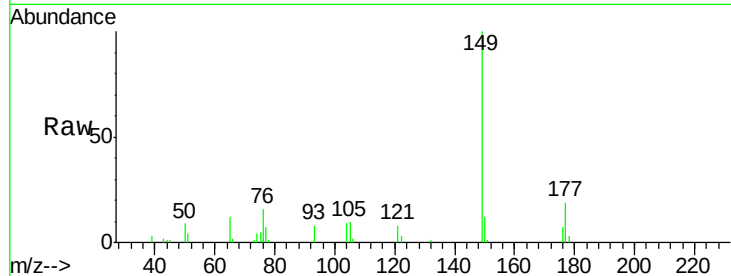




#59
Diethylphthalate
Concen: 4.363 ng
RT: 15.65 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

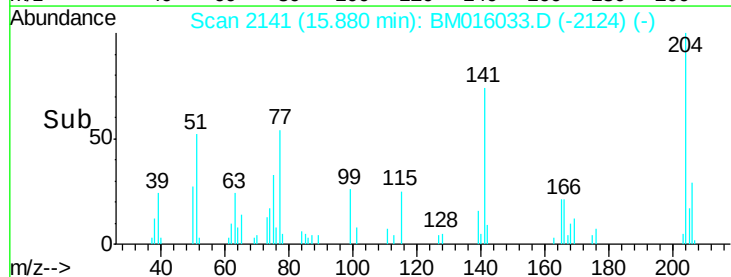
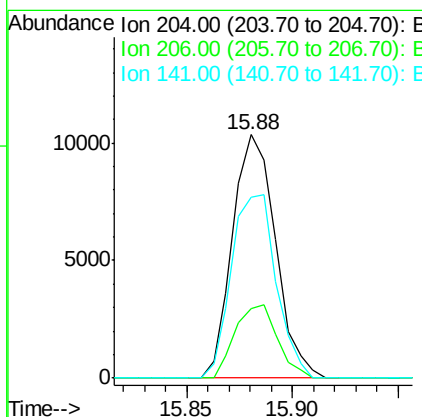
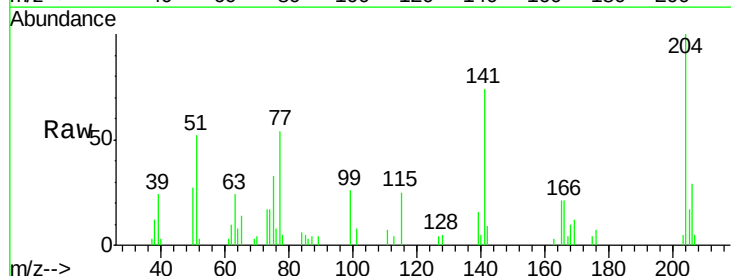
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

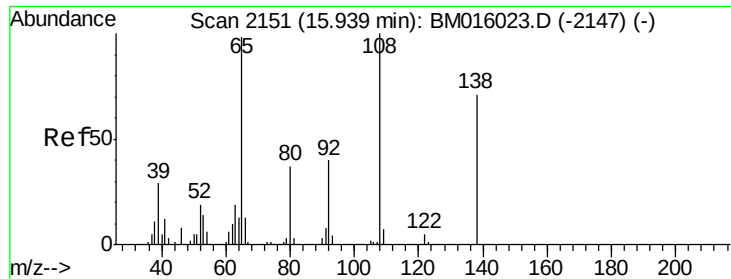
Tgt Ion:149 Resp: 31810
Ion Ratio Lower Upper
149 100
177 19.2 18.3 27.5
150 12.0 9.8 14.8



#60
4-Chlorophenyl-phenylether
Concen: 4.383 ng
RT: 15.88 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:204 Resp: 14593
Ion Ratio Lower Upper
204 100
206 28.6 26.6 39.8
141 74.4 45.2 67.8#

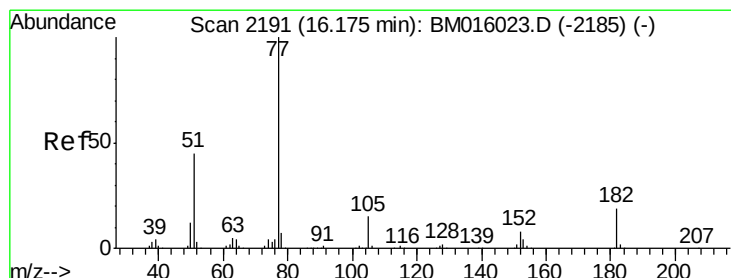
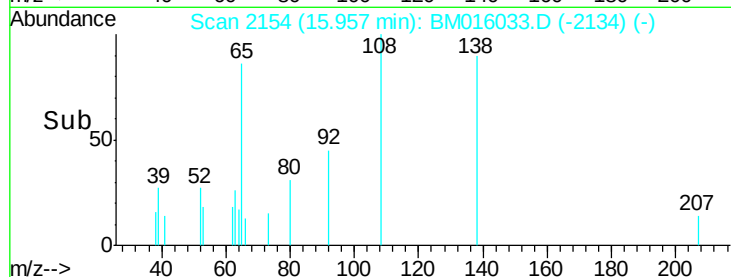
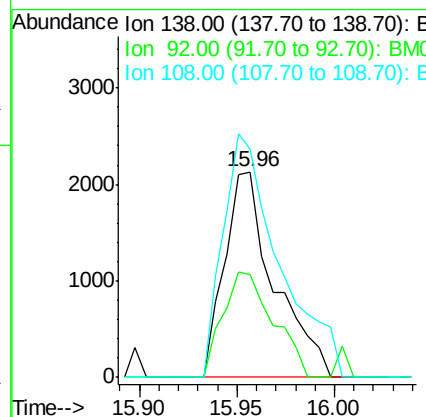
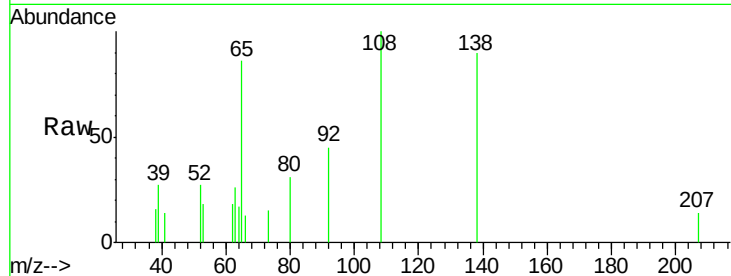




#61
4-Nitroaniline
Concen: 2.665 ng
RT: 15.96 min Scan# 2154
Delta R.T. 0.02 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

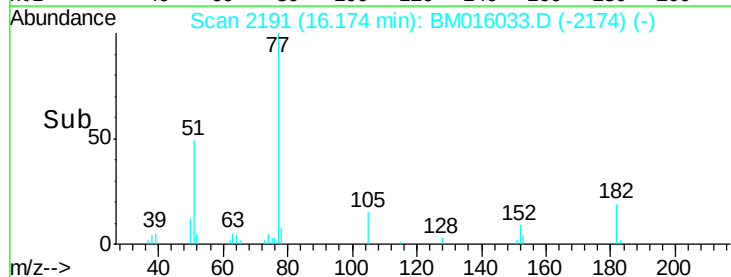
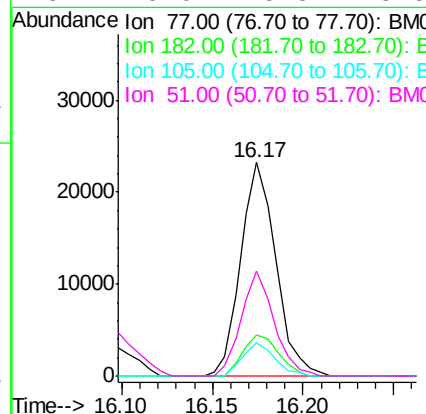
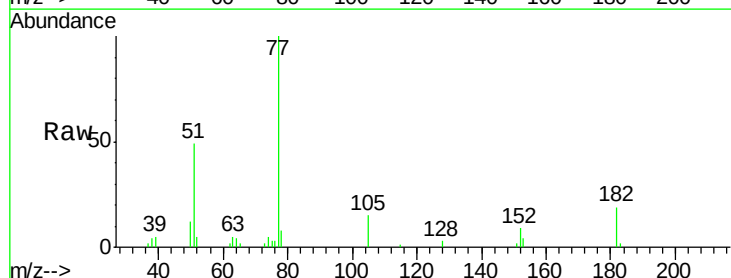
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

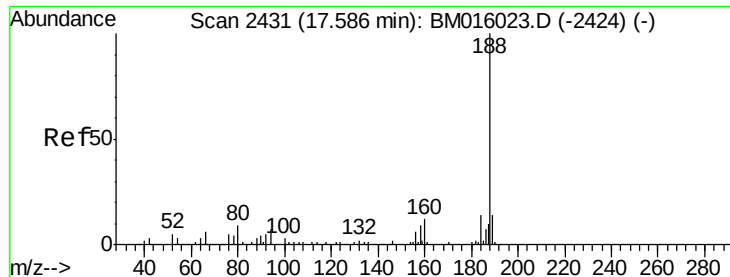
Tgt Ion: 138 Resp: 3759
Ion Ratio Lower Upper
138 100
92 50.0 16.7 56.7
108 111.1 37.6 77.6#



#62
Azobenzene
Concen: 4.074 ng
RT: 16.17 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 77 Resp: 31278
Ion Ratio Lower Upper
77 100
182 19.4 6.5 46.5
105 15.4 3.8 43.8
51 49.0 5.5 45.5#

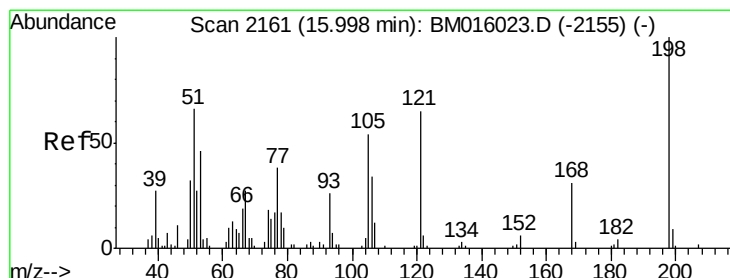
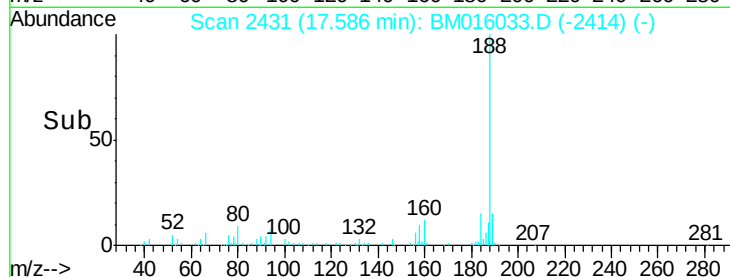
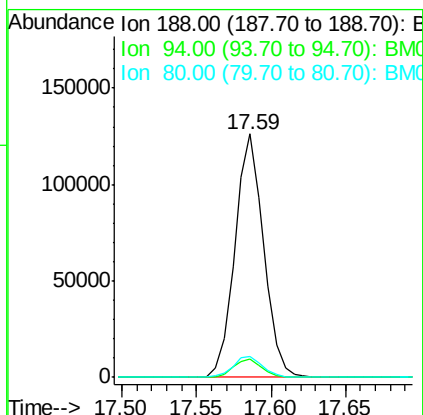
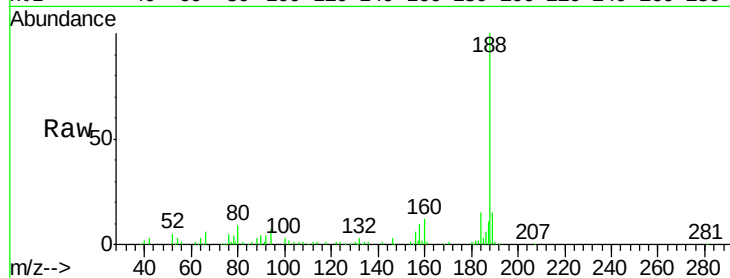




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.59 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

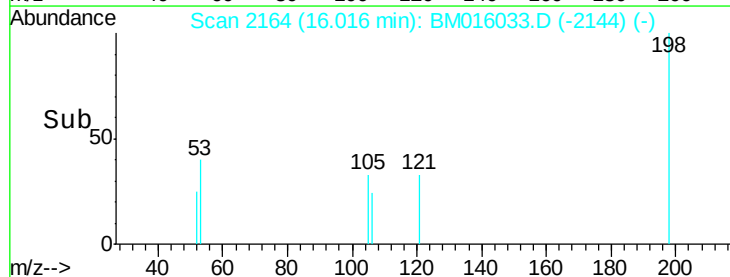
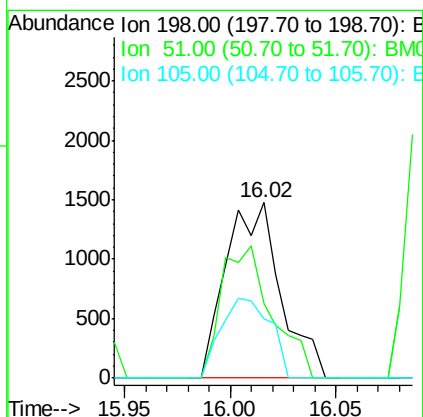
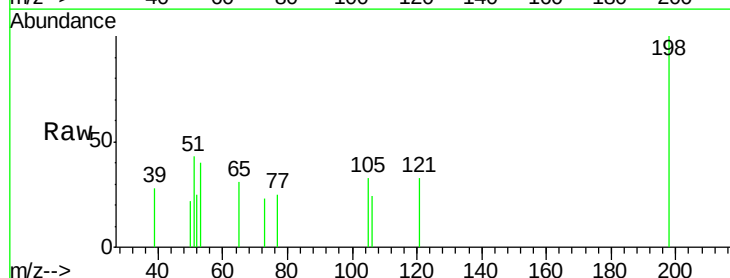
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

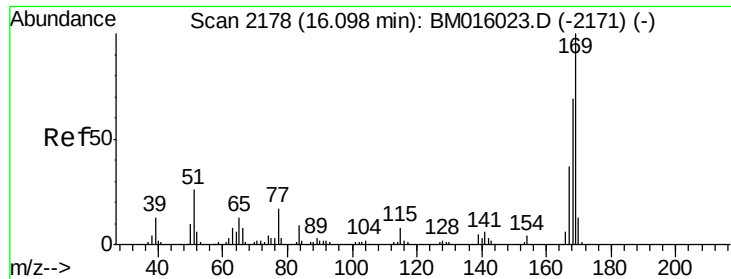
Tgt Ion:188 Resp: 168605
Ion Ratio Lower Upper
188 100
94 7.3 8.7 13.1#
80 8.8 9.3 13.9#



#64
4,6-Dinitro-2-methylphenol
Concen: 2.601 ng
RT: 16.02 min Scan# 2164
Delta R.T. 0.02 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:198 Resp: 2662
Ion Ratio Lower Upper
198 100
51 42.5 28.8 68.8
105 33.5 30.5 70.5

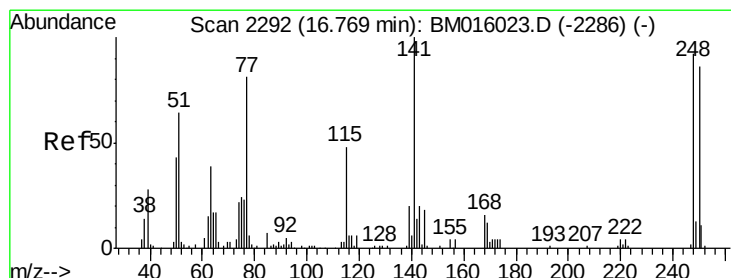
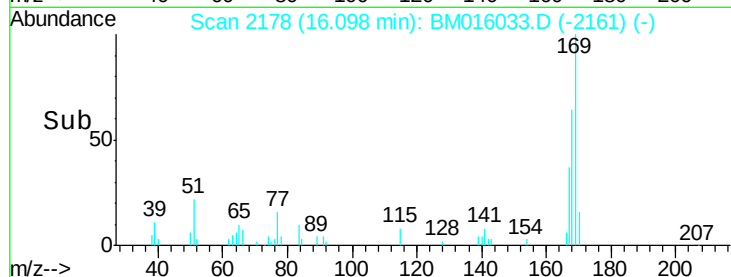
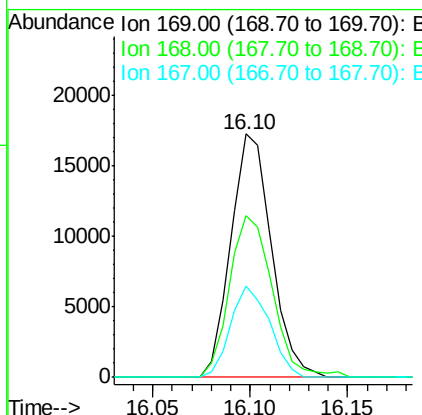
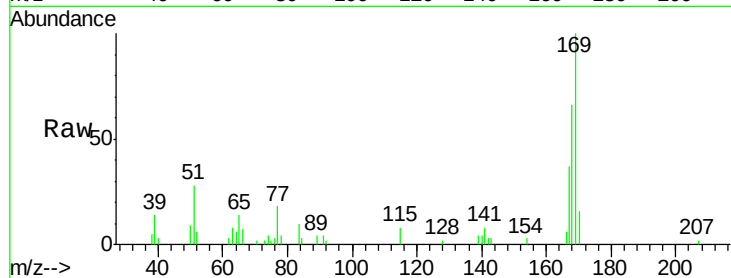




#65
 n-Nitrosodiphenylamine
 Concen: 4.473 ng
 RT: 16.10 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

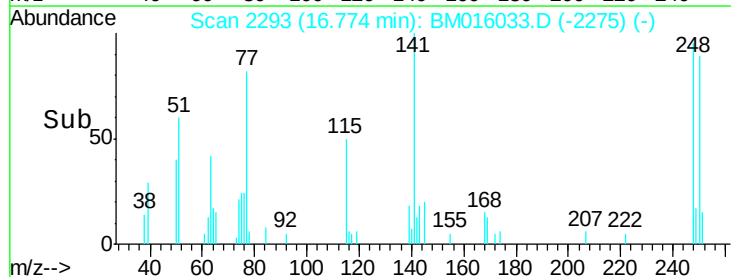
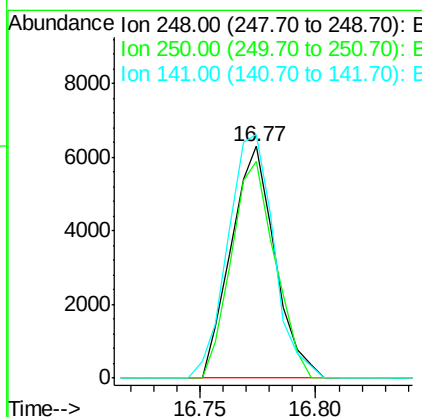
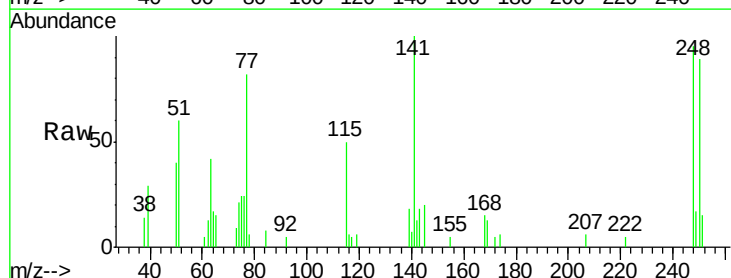
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

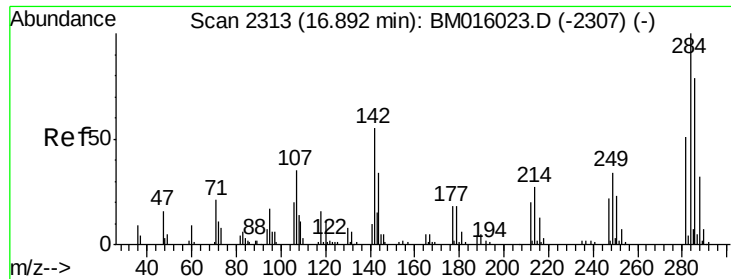
Tgt Ion:169 Resp: 24834
 Ion Ratio Lower Upper
 169 100
 168 66.3 53.9 80.9
 167 37.3 28.9 43.3



#66
 4-Bromophenyl-phenylether
 Concen: 4.379 ng
 RT: 16.77 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:248 Resp: 8360
 Ion Ratio Lower Upper
 248 100
 250 93.7 77.4 116.0
 141 104.9 45.2 67.8#

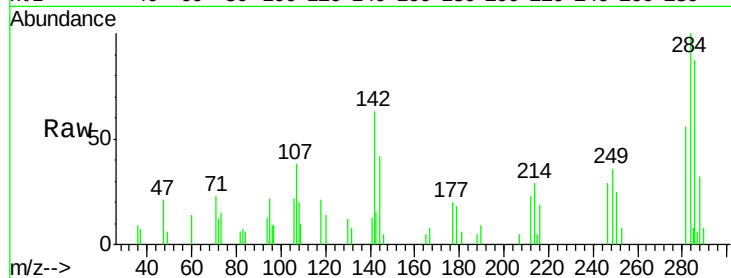




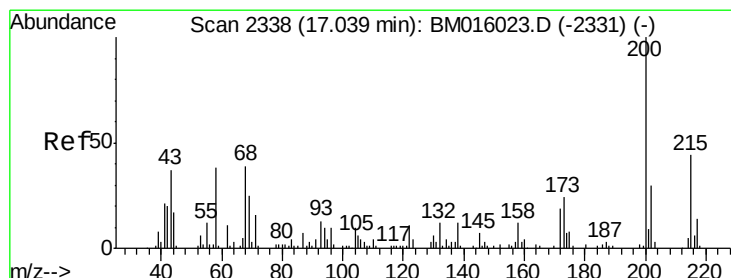
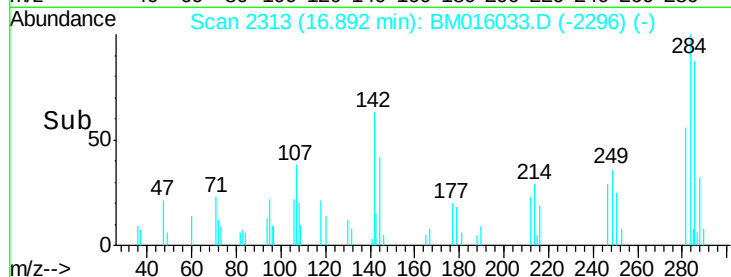
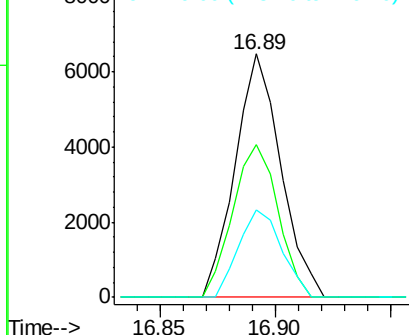
#67
Hexachlorobenzene
Concen: 4.236 ng
RT: 16.89 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

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

Tgt Ion: 284 Resp: 8907
Ion Ratio Lower Upper
284 100
142 62.7 20.4 30.6#
249 35.7 23.8 35.6#

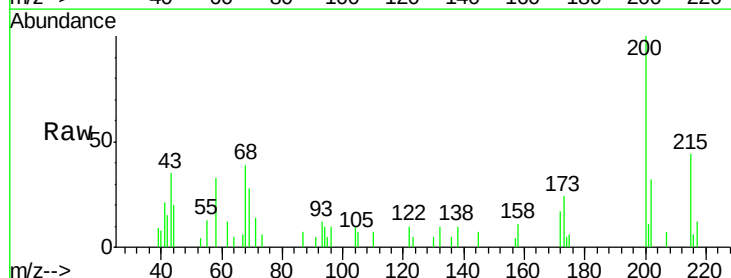


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

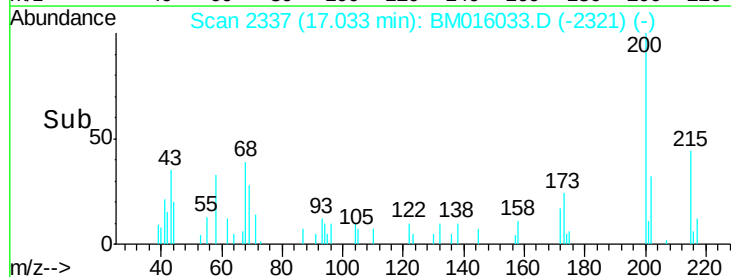
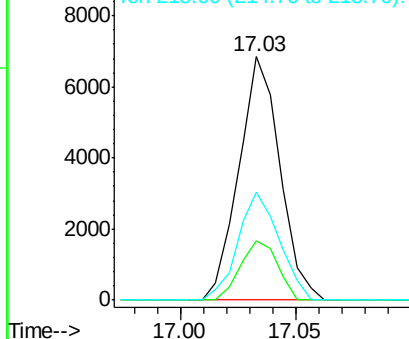


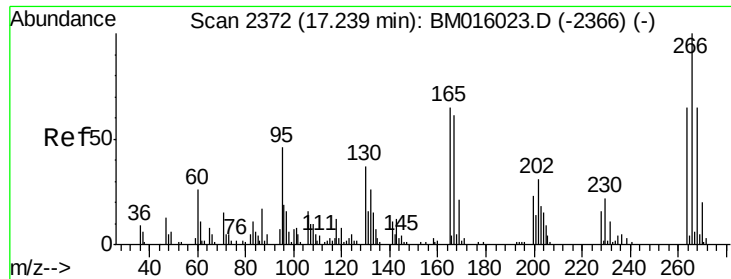
#68
Atrazine
Concen: 4.280 ng
RT: 17.03 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion: 200 Resp: 8517
Ion Ratio Lower Upper
200 100
173 24.4 4.8 44.8
215 44.3 26.9 66.9



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

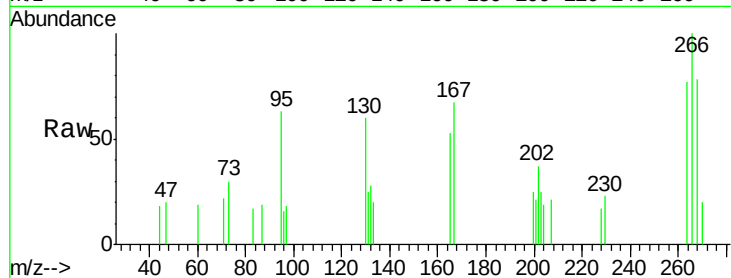




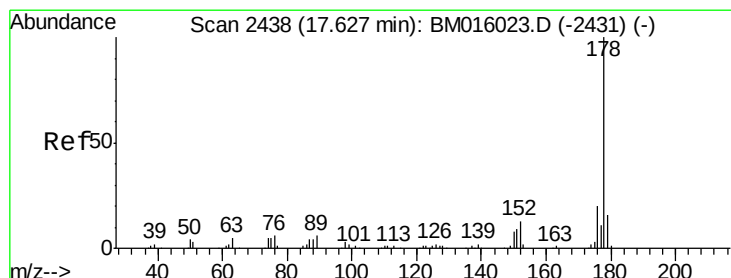
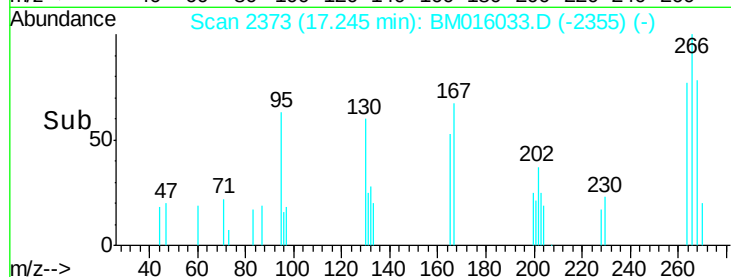
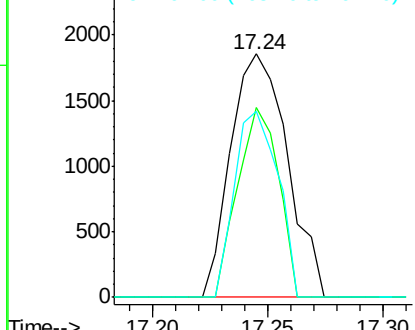
#69
 Pentachlorophenol
 Concen: 2.436 ng
 RT: 17.24 min Scan# 2373
 Delta R.T. 0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

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

Tgt Ion:266 Resp: 3172
 Ion Ratio Lower Upper
 266 100
 268 78.0 52.0 78.0
 264 76.5 49.0 73.4#

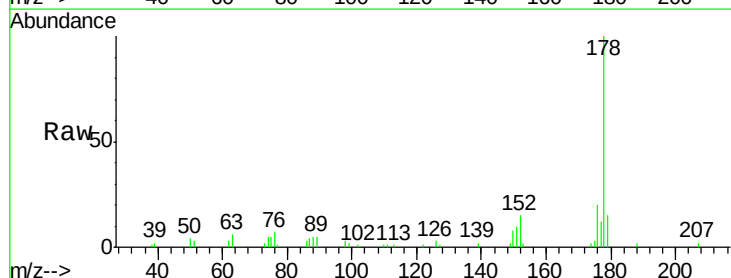


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

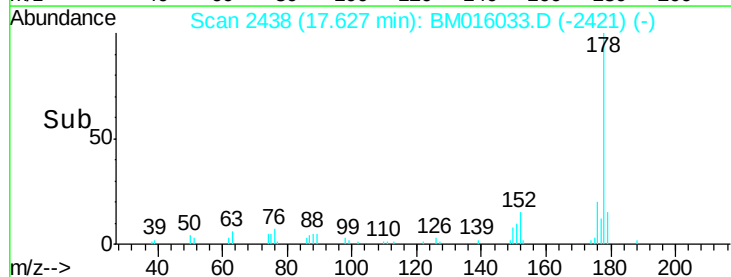
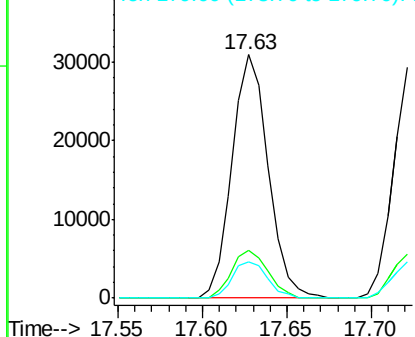


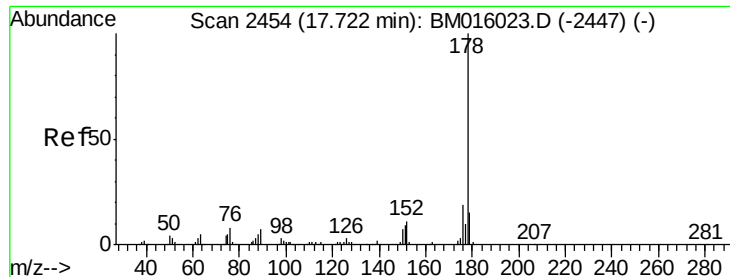
#70
 Phenanthrene
 Concen: 4.884 ng
 RT: 17.63 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:178 Resp: 46105
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.2 22.8
 179 15.1 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

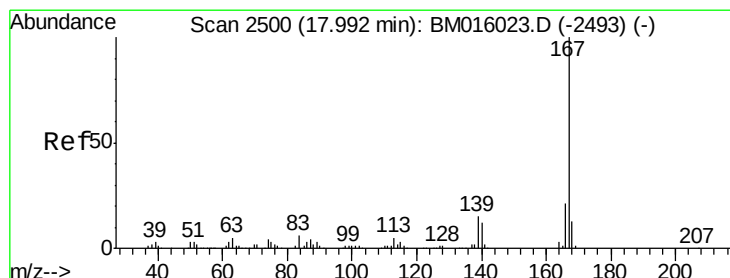
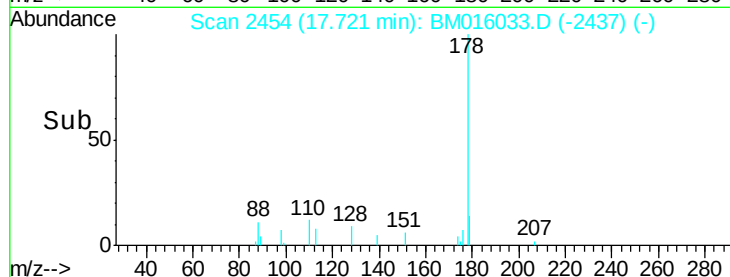
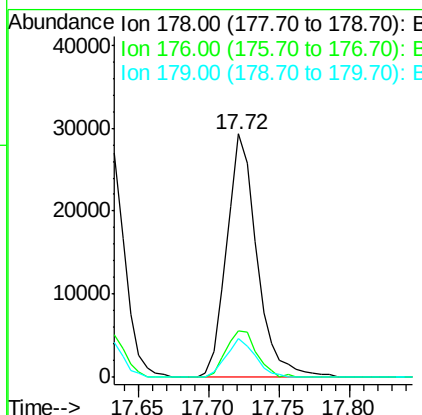
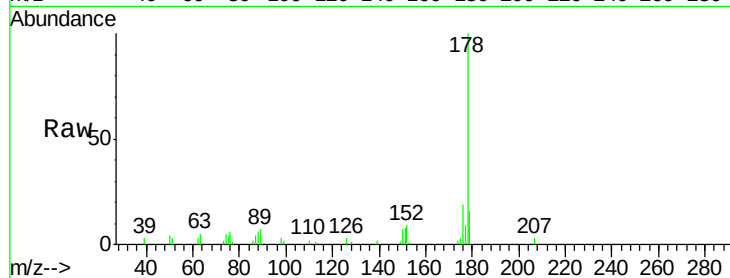




#71
 Anthracene
 Concen: 4.789 ng
 RT: 17.72 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

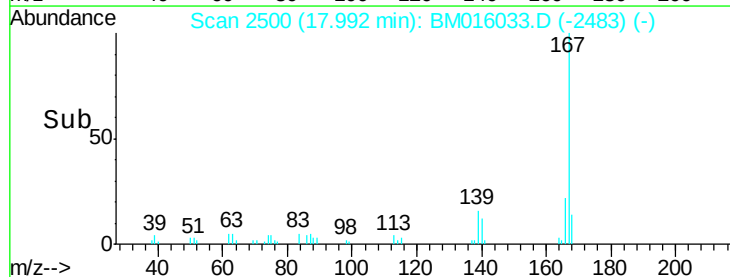
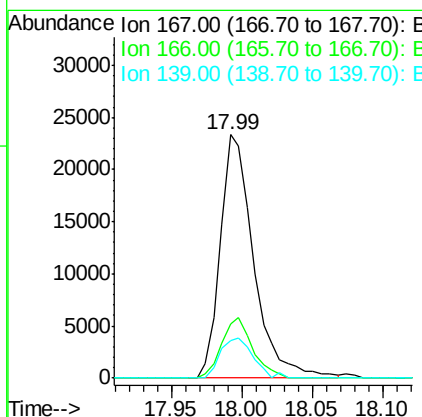
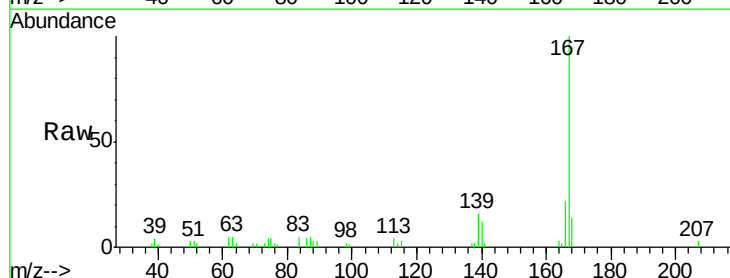
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

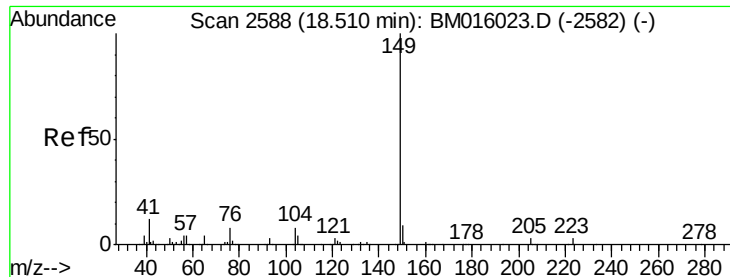
Tgt Ion:178 Resp: 43931
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.6 22.0
 179 15.8 12.6 19.0



#72
 Carbazole
 Concen: 4.055 ng
 RT: 17.99 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:167 Resp: 38540
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.2 25.8
 139 15.7 10.8 16.2

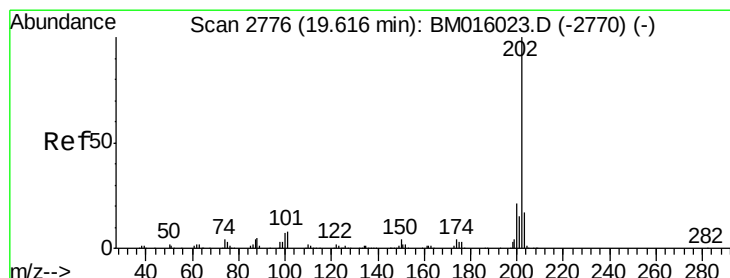
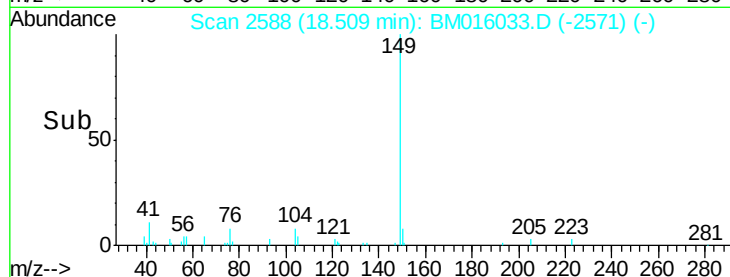
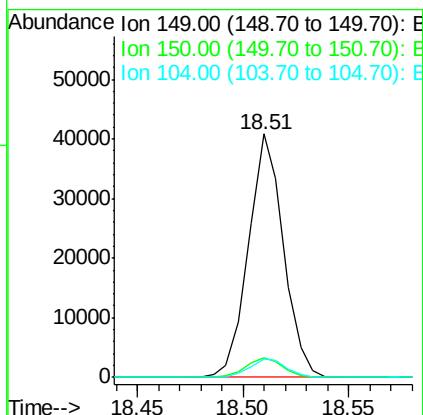
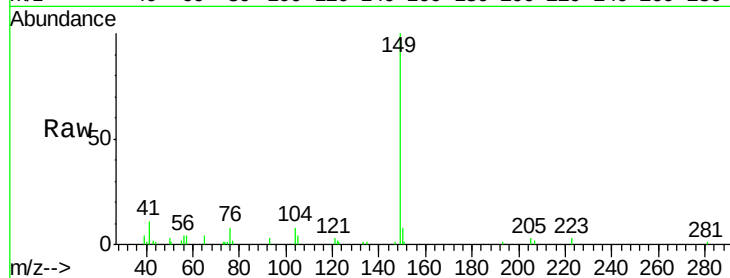




#73
Di-n-butylphthalate
Concen: 3.962 ng
RT: 18.51 min Scan# 2588
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

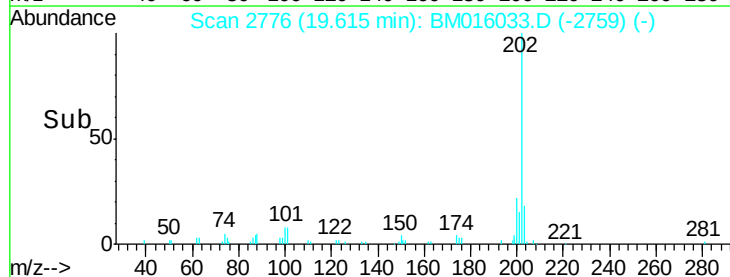
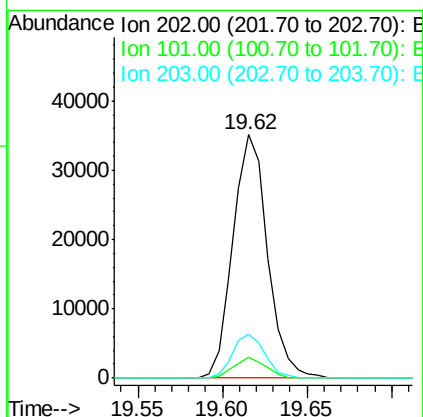
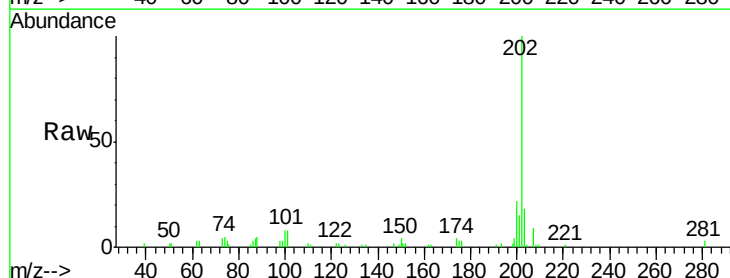
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

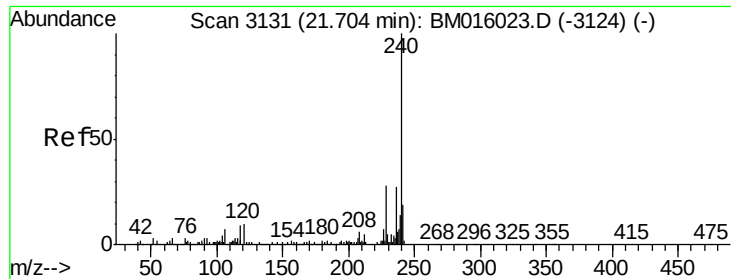
Tgt Ion:149 Resp: 46926
Ion Ratio Lower Upper
149 100
150 8.2 7.5 11.3
104 7.5 3.7 5.5#



#74
Fluoranthene
Concen: 4.741 ng
RT: 19.62 min Scan# 2776
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:202 Resp: 49919
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.7
203 17.8 0.0 37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

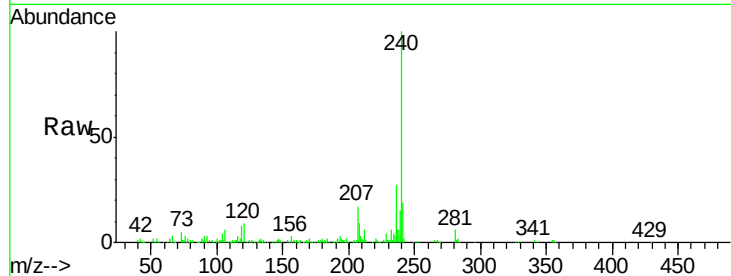
Tgt Ion:240 Resp: 188728

Ion Ratio Lower Upper

240 100

120 9.0 8.2 12.2

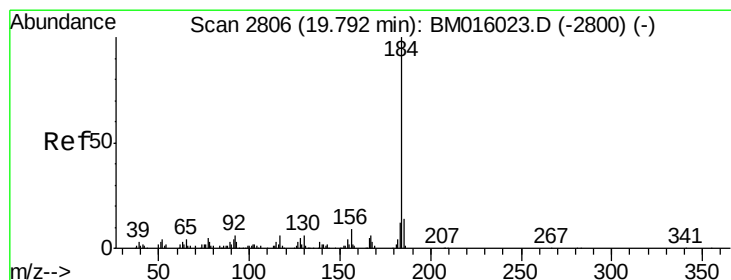
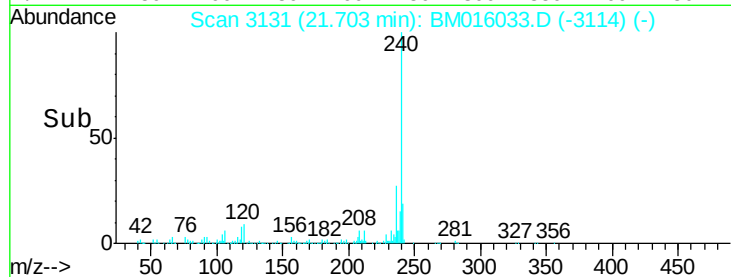
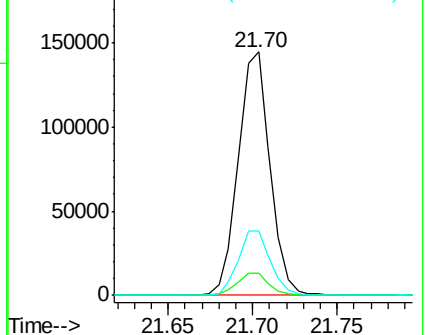
236 26.7 20.0 30.0



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: 2.013 ng

RT: 19.80 min Scan# 2808

Delta R.T. 0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

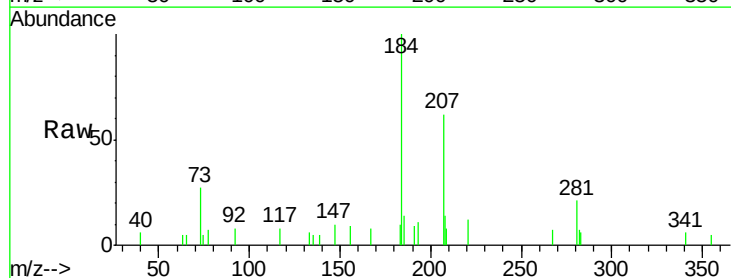
Tgt Ion:184 Resp: 10618

Ion Ratio Lower Upper

184 100

185 13.7 11.3 16.9

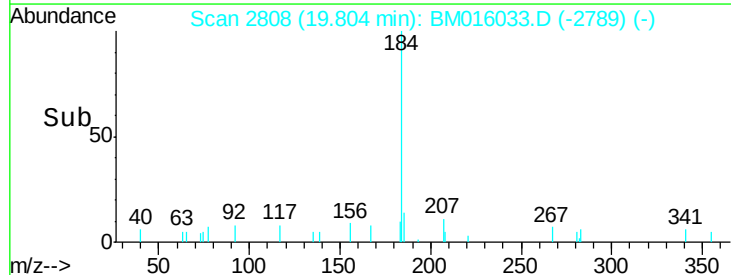
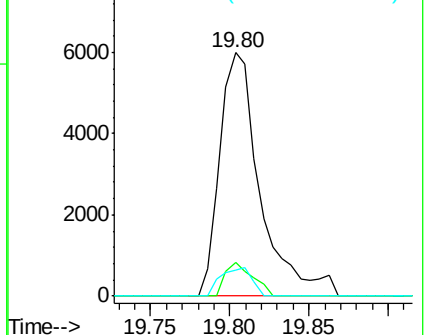
183 10.5 8.9 13.3

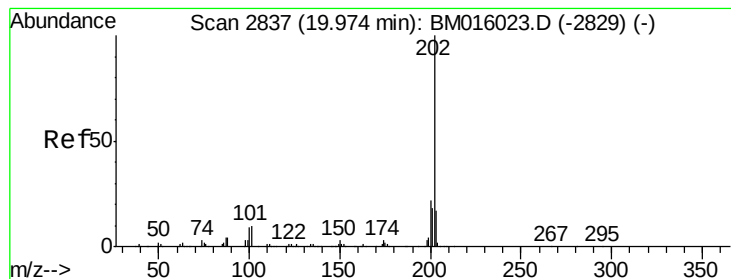


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.570 ng

RT: 19.97 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

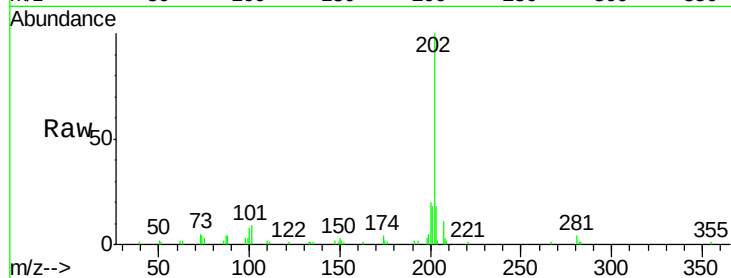
Tgt Ion:202 Resp: 51687

Ion Ratio Lower Upper

202 100

200 19.8 16.9 25.3

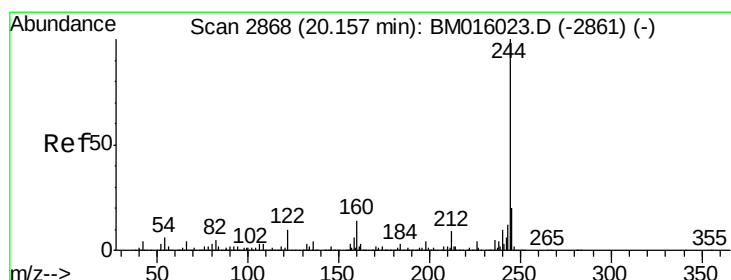
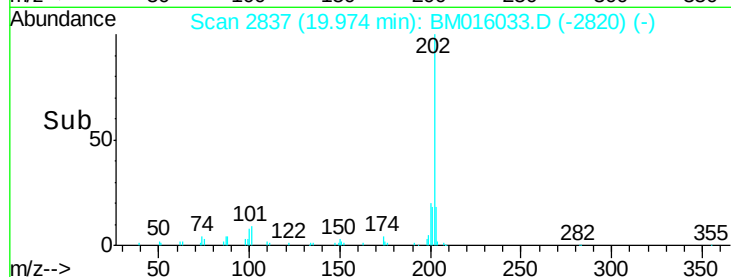
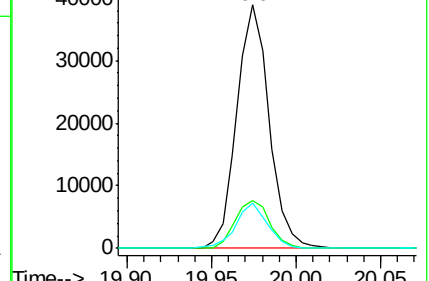
203 18.5 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 4.570 ng

RT: 20.16 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

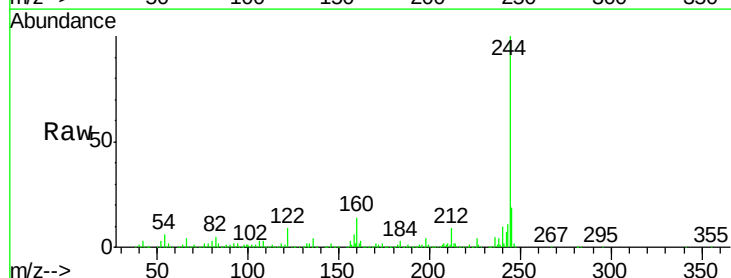
Tgt Ion:244 Resp: 1091924

Ion Ratio Lower Upper

244 100

212 9.2 4.9 7.3#

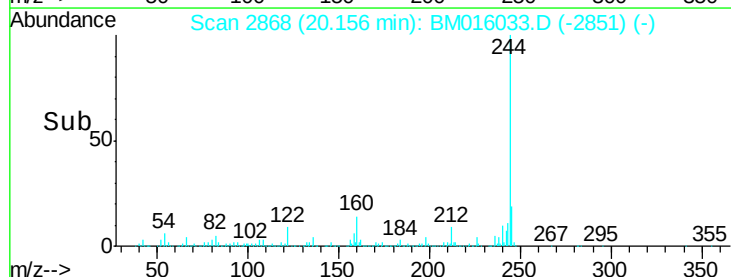
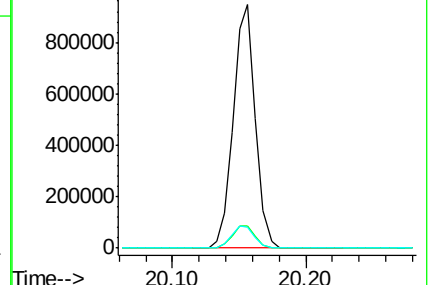
122 8.7 6.2 9.4

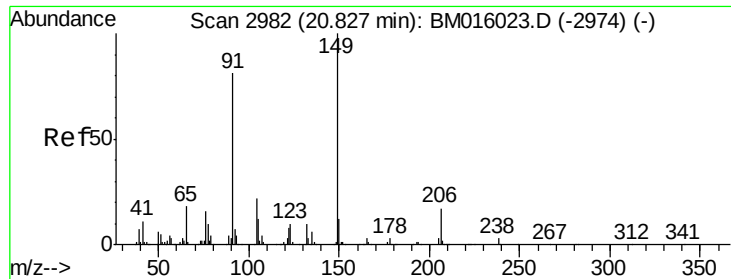


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

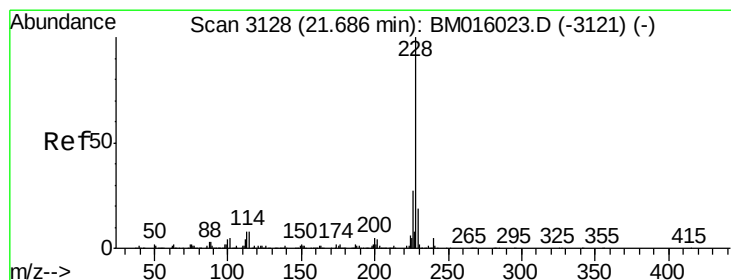
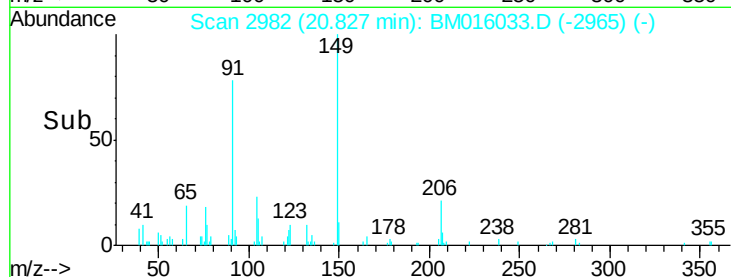
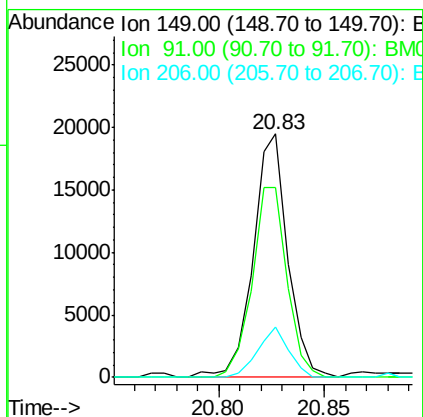
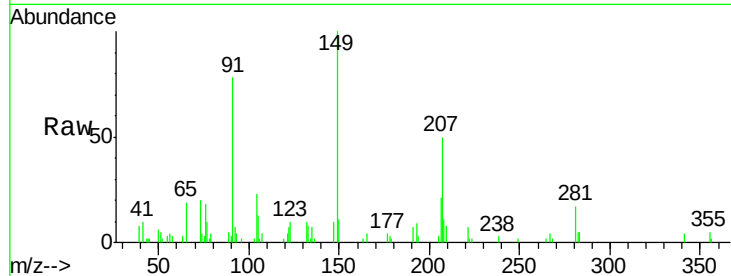




#79
Butylbenzylphthalate
Concen: 3.852 ng
RT: 20.83 min Scan# 2982
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

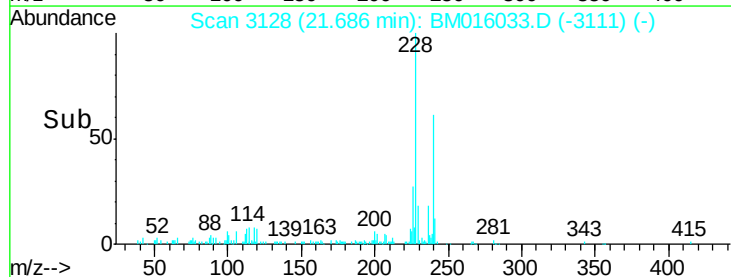
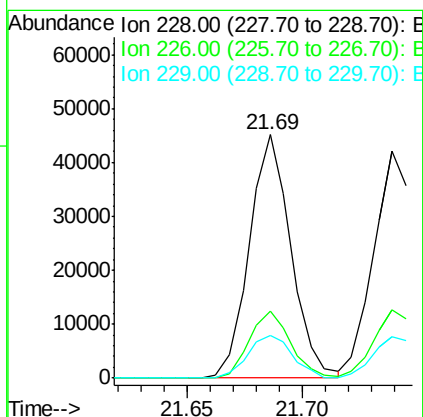
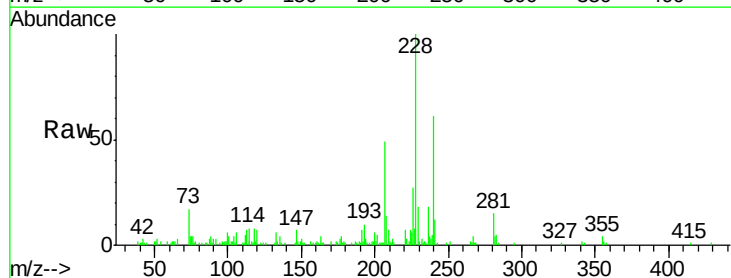
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

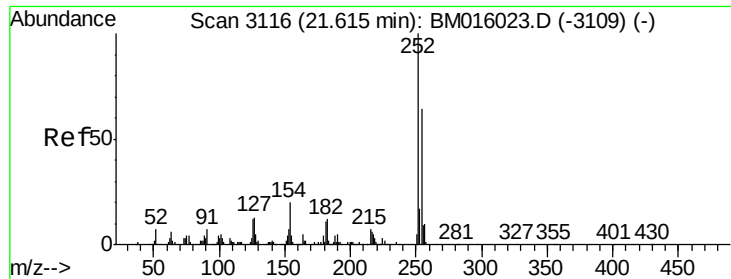
Tgt Ion:149 Resp: 22134
Ion Ratio Lower Upper
149 100
91 78.1 50.1 75.1#
206 20.6 16.2 24.2



#80
Benzo(a)anthracene
Concen: 4.876 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016033.D
Acq: 23 Jul 2018 19:37

Tgt Ion:228 Resp: 56677
Ion Ratio Lower Upper
228 100
226 27.3 21.7 32.5
229 17.5 16.0 24.0

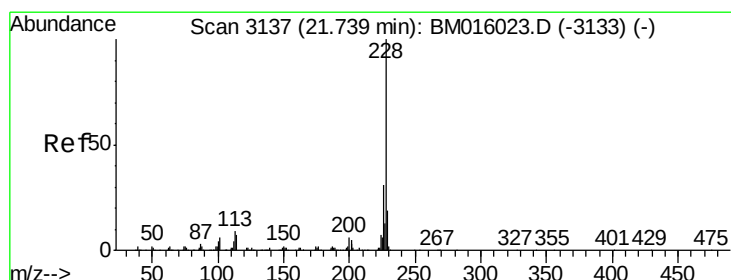
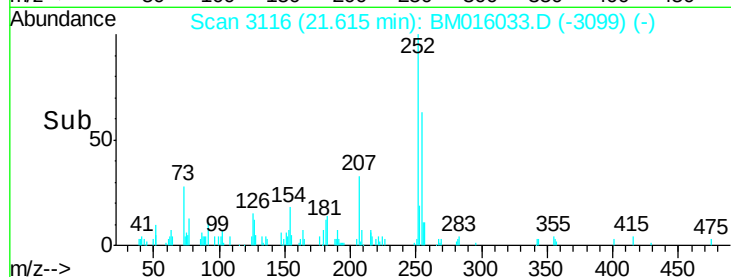
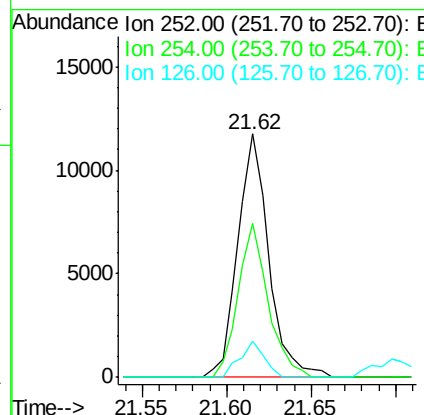
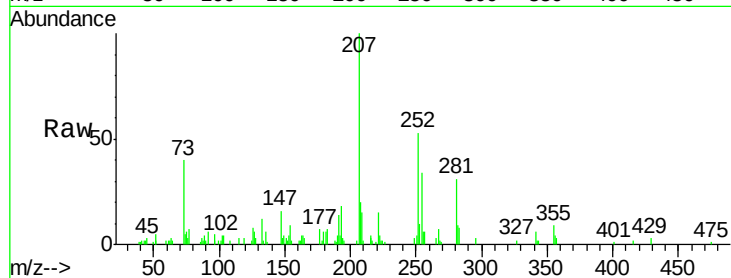




#81
 3,3'-Dichlorobenzidine
 Concen: 3.205 ng
 RT: 21.62 min Scan# 3116
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

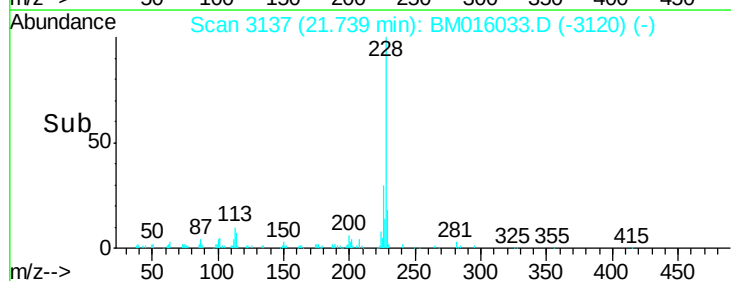
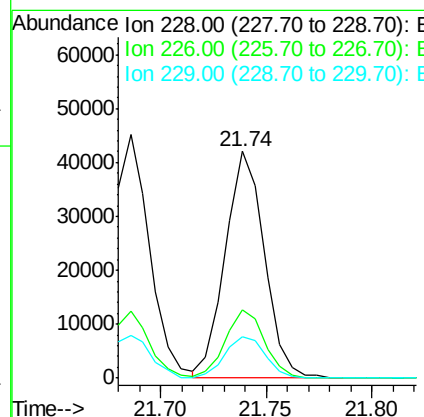
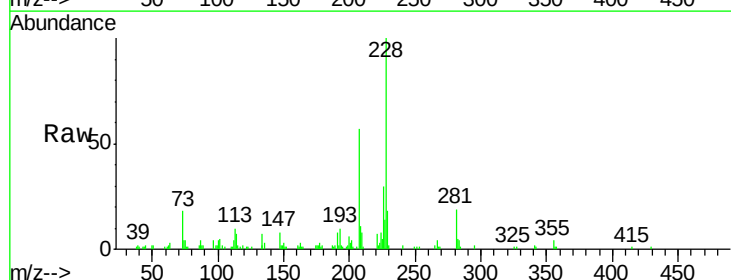
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

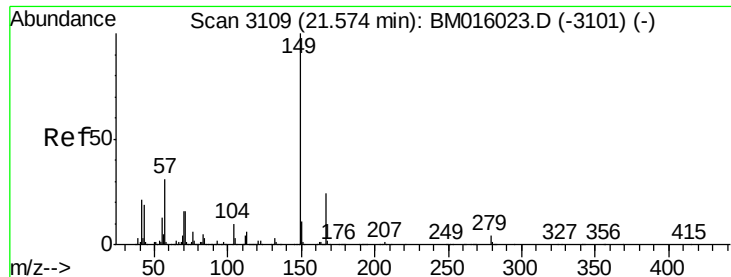
Tgt Ion:252 Resp: 15004
 Ion Ratio Lower Upper
 252 100
 254 63.4 51.9 77.9
 126 14.9 9.8 14.8#



#82
 Chrysene
 Concen: 4.850 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:228 Resp: 54080
 Ion Ratio Lower Upper
 228 100
 226 30.3 24.1 36.1
 229 18.4 15.5 23.3

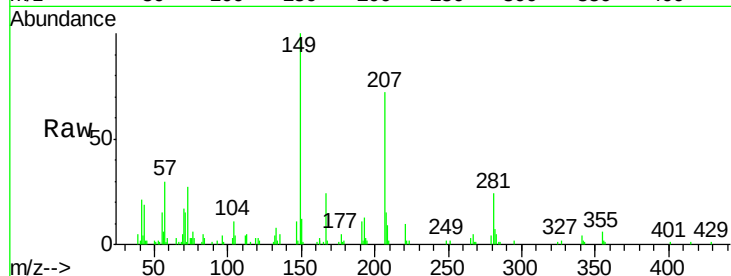




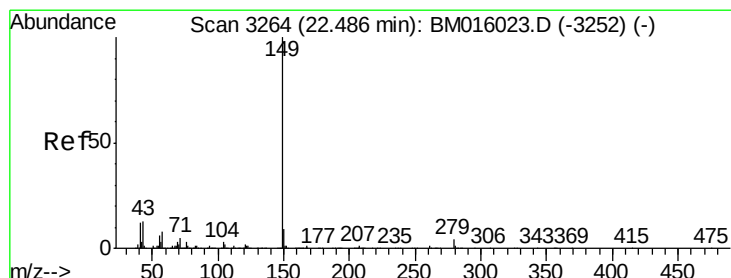
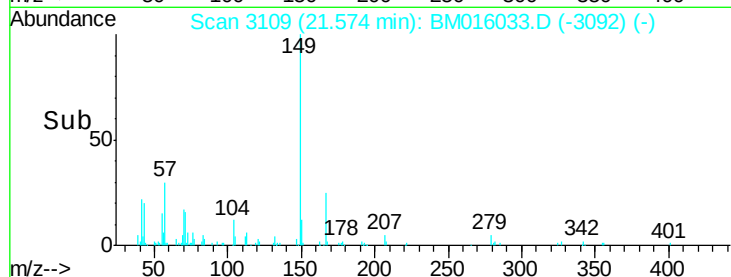
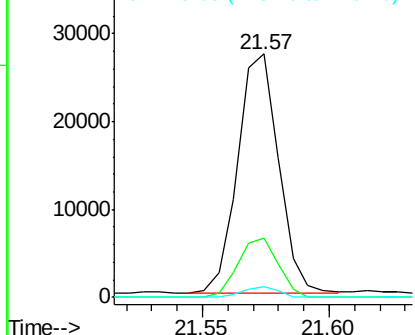
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.666 ng
 RT: 21.57 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

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

Tgt Ion:149 Resp: 30527
 Ion Ratio Lower Upper
 149 100
 167 24.2 22.4 33.6
 279 4.5 3.4 5.0

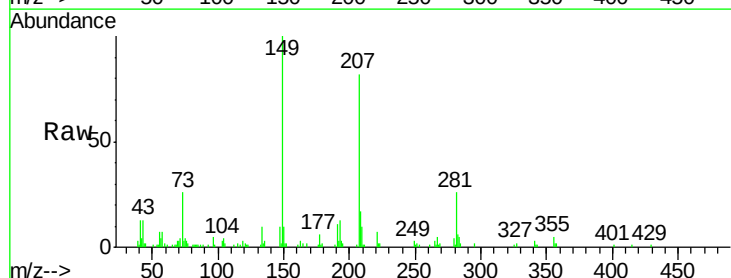


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

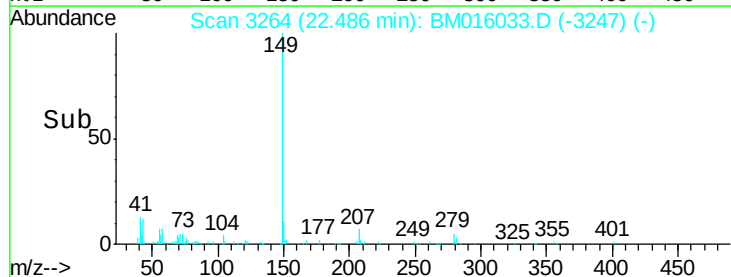
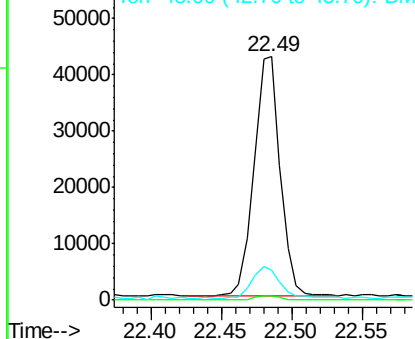


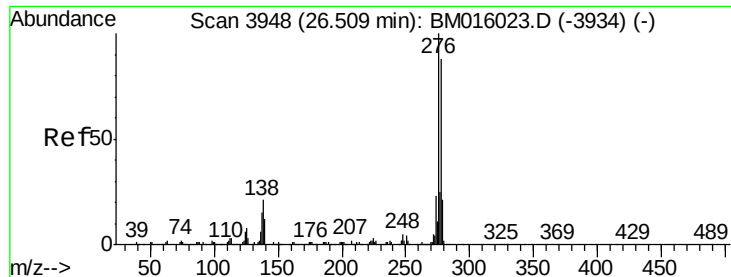
#84
 Di-n-octyl phthalate
 Concen: 3.966 ng
 RT: 22.49 min Scan# 3264
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion:149 Resp: 55497
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 14.3 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

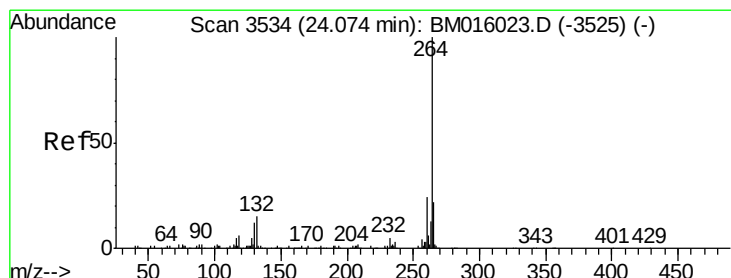
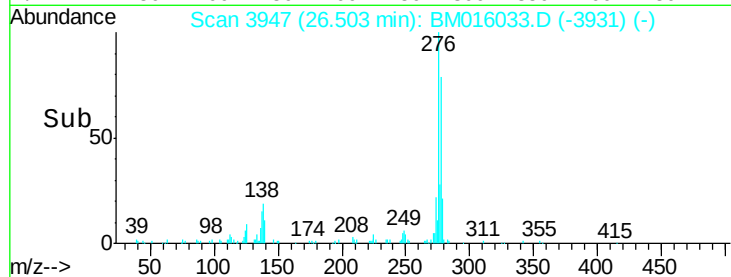
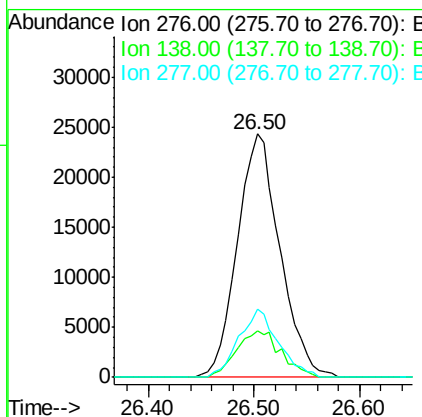
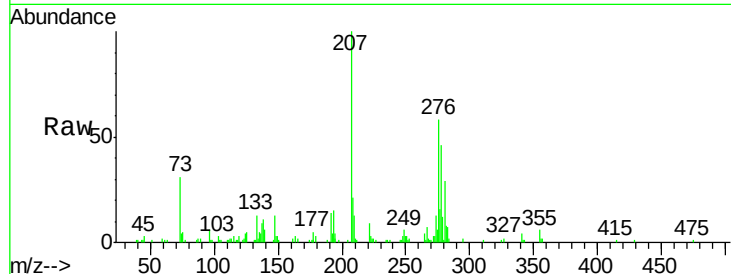




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.141 ng
 RT: 26.50 min Scan# 3947
 Delta R.T. -0.01 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

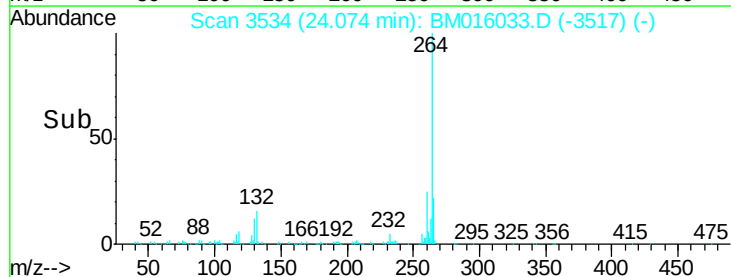
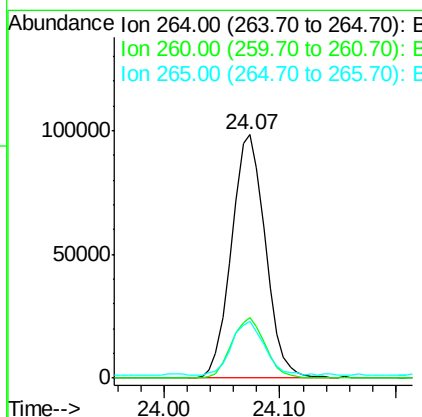
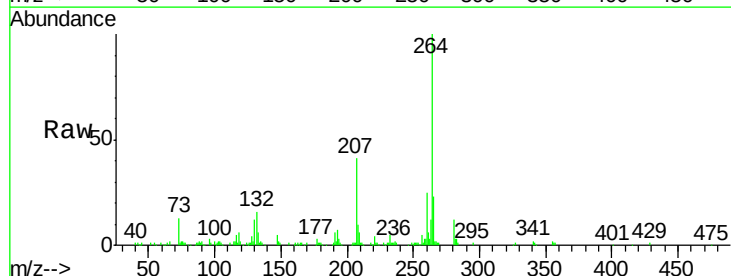
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

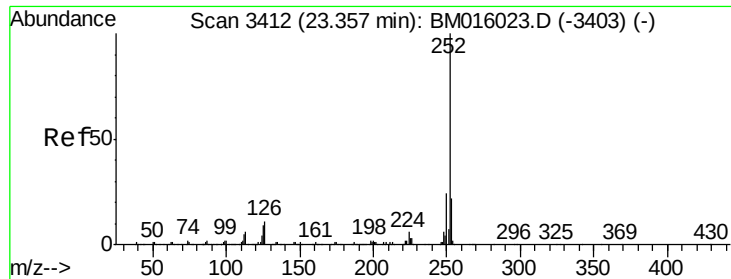
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	12.0	18.0#
277	25.9	20.0	30.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.07 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: BM016033.D
 Acq: 23 Jul 2018 19:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.6	27.8
265	23.2	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 5.088 ng

RT: 23.36 min Scan# 3412

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

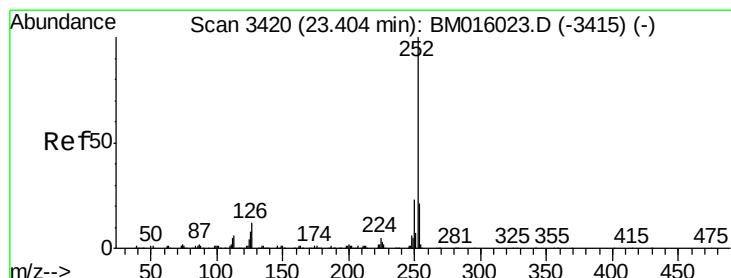
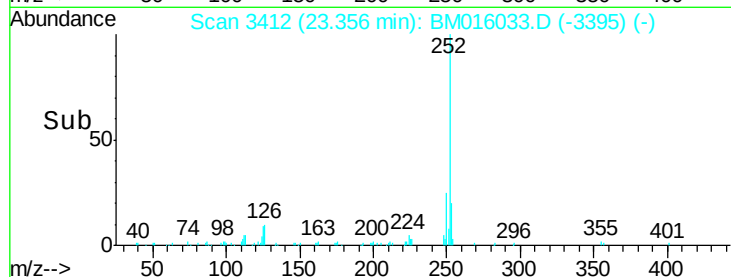
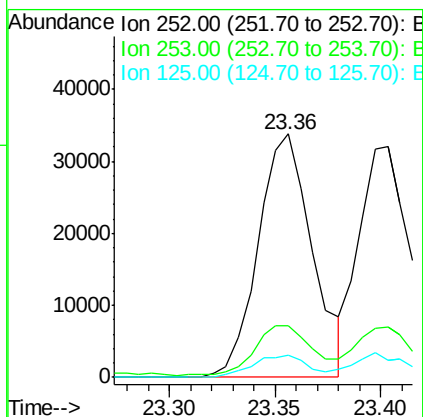
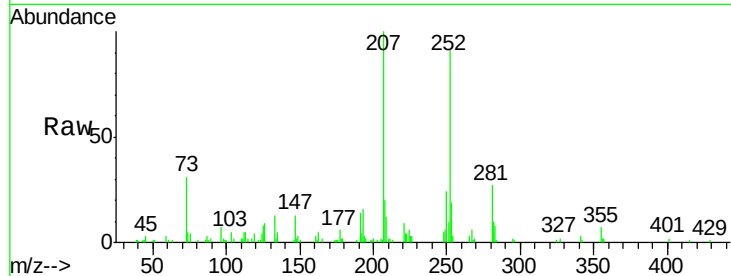
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:	252	Resp:	60059
Ion Ratio		Lower	Upper
252	100		
253	21.0	18.0	27.0
125	9.2	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 5.020 ng

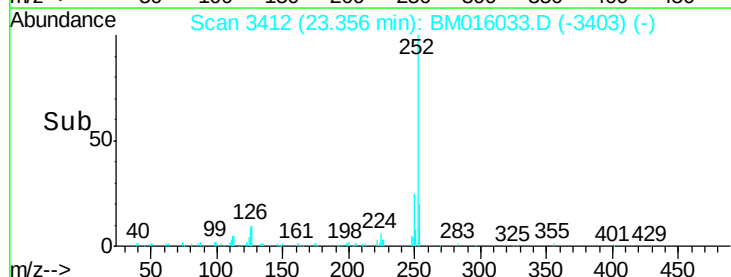
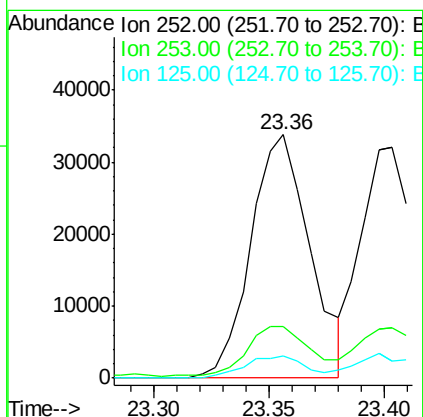
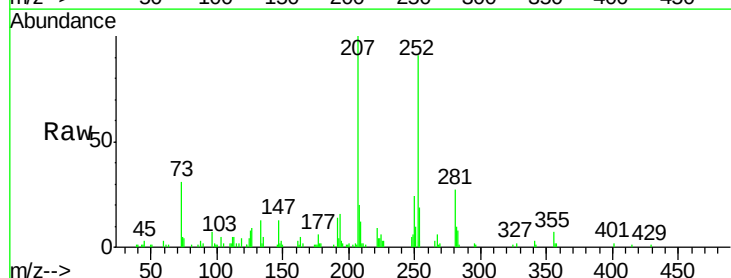
RT: 23.36 min Scan# 3412

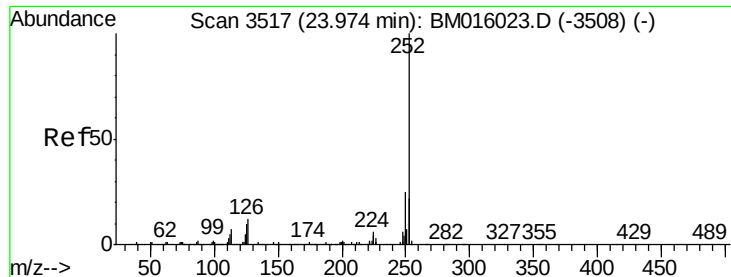
Delta R.T. -0.05 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Tgt Ion:	252	Resp:	60058
Ion Ratio		Lower	Upper
252	100		
253	21.0	17.2	25.8
125	9.2	8.1	12.1





#89

Benzo(a)pyrene

Concen: 5.010 ng

RT: 23.97 min Scan# 3517

Delta R.T. -0.00 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

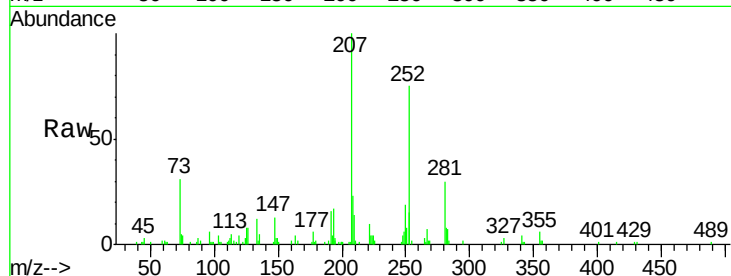
Tgt Ion: 252 Resp: 56852

Ion Ratio Lower Upper

252 100

253 20.5 17.6 26.4

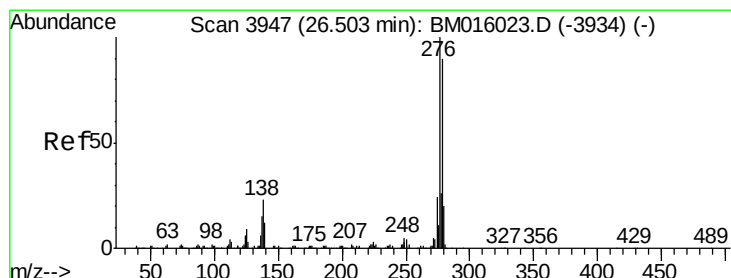
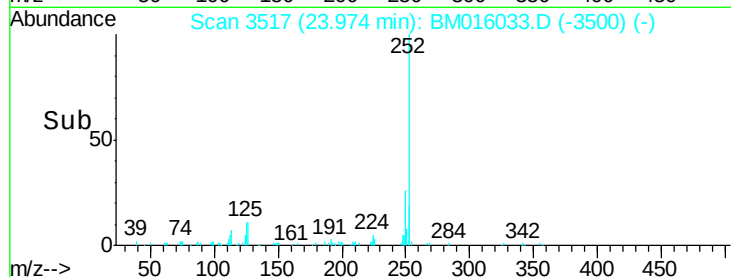
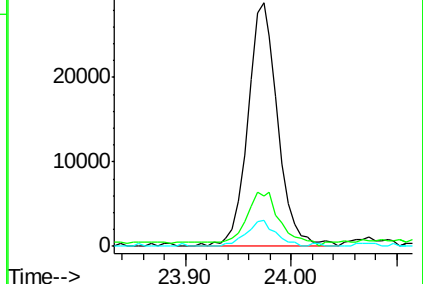
125 10.5 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 4.936 ng

RT: 26.51 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

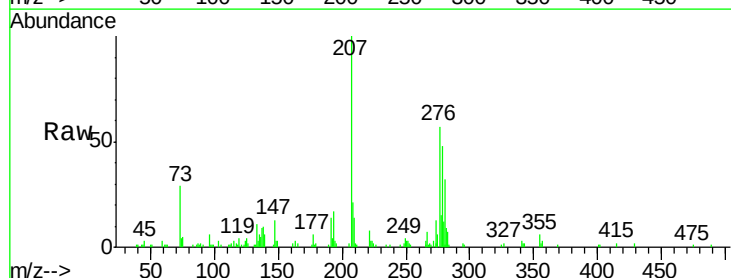
Tgt Ion: 278 Resp: 58037

Ion Ratio Lower Upper

278 100

139 11.9 13.4 20.0#

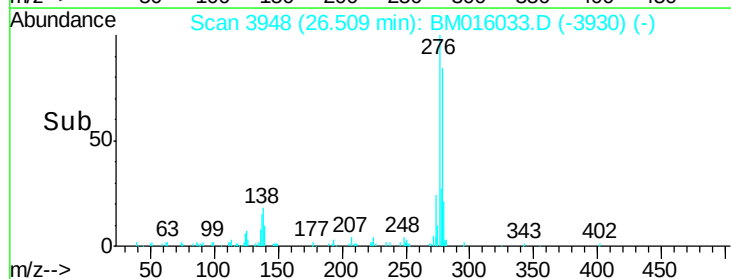
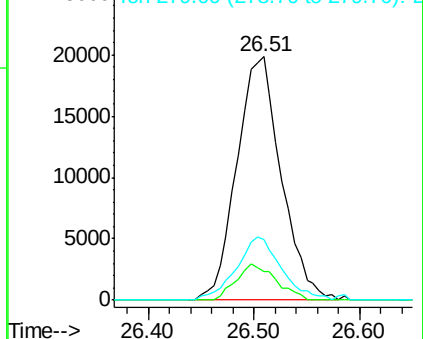
279 24.6 19.0 28.4

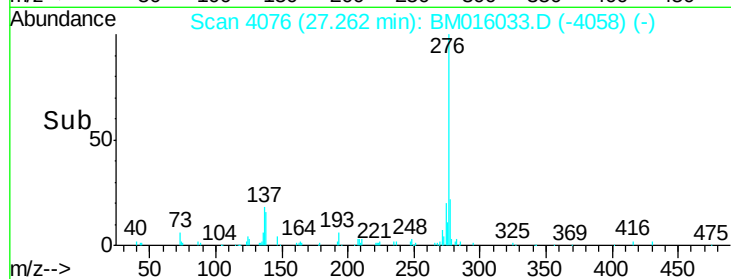
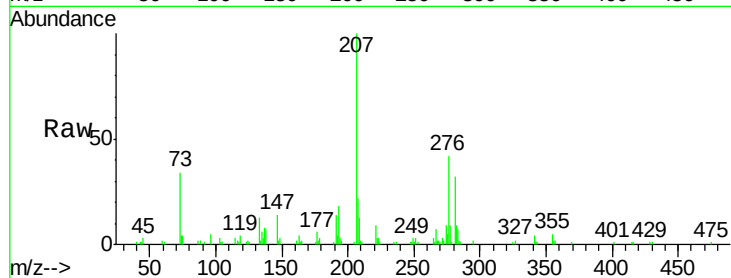
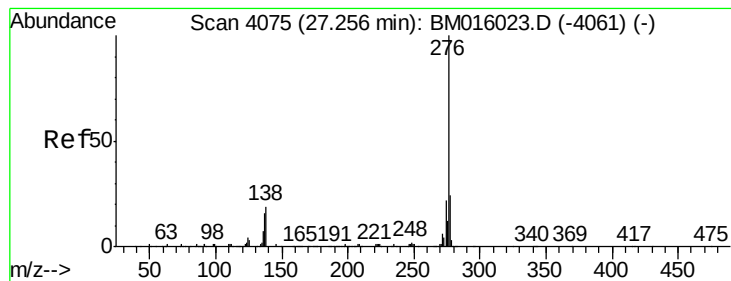


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.054 ng

RT: 27.26 min Scan# 4076

Delta R.T. 0.01 min

Lab File: BM016033.D

Acq: 23 Jul 2018 19:37

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 276 Resp: 56205

Ion Ratio Lower Upper

276 100

277 21.9 18.5 27.7

138 15.8 19.0 28.6#

