

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016034.D
 Acq On : 23 Jul 2018 20:14
 Operator : SJ/JU
 Sample : J3762-01
 Misc : LOD 8 PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 24 06:04:58 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	40670	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	152284	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	82582	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	176220	20.00	ng	0.00
75) Chrysene-d12	21.70	240	195546	20.00	ng	0.00
86) Perylene-d12	24.07	264	203967	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.74	112	319527	130.51	ng	0.00
7) Phenol-d6	7.39	99	386087	120.75	ng	0.00
23) Nitrobenzene-d5	9.42	82	299015	91.33	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	137543	131.32	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	596104	87.83	ng	0.00
78) Terphenyl-d14	20.16	244	1121311	120.03	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.52	88	6654	5.801	ng	# 100
3) Pyridine	3.99	79	13861	5.016	ng	# 44
4) n-Nitrosodimethylamine	3.89	42	14230	6.602	ng	# 32
6) Aniline	7.56	93	17127	4.652	ng	93
8) 2-Chlorophenol	7.79	128	19771	6.795	ng	89
9) Benzaldehyde	7.38	77	19307	8.594	ng	# 80
10) Phenol	7.42	94	22374	6.998	ng	96
11) bis(2-Chloroethyl)ether	7.65	93	16784	6.645	ng	83
12) 1,3-Dichlorobenzene	8.12	146	23371	6.862	ng	# 90
13) 1,4-Dichlorobenzene	8.27	146	22896	6.628	ng	# 90
14) 1,2-Dichlorobenzene	8.59	146	22292	6.595	ng	# 91
15) Benzyl Alcohol	8.50	79	12672	4.977	ng	85
16) 2,2'-oxybis(1-Chloropropan	8.75	45	26355	6.818	ng	93
17) 2-Methylphenol	8.69	107	14843	6.792	ng	# 83
18) Hexachloroethane	9.31	117	9717	6.507	ng	92
19) n-Nitroso-di-n-propylamine	9.05	70	13921	5.957	ng	# 72
20) 3+4-Methylphenols	9.02	107	17809	5.664	ng	87
22) Acetophenone	9.08	105	27910	7.279	ng	# 82
24) Nitrobenzene	9.46	77	25323	7.684	ng	95
25) Isophorone	9.98	82	34372	7.675	ng	# 93
26) 2-Nitrophenol	10.18	139	7815	5.680	ng	# 66
27) 2,4-Dimethylphenol	10.22	122	16044	8.371	ng	# 81
28) bis(2-Chloroethoxy)methane	10.46	93	21467	7.375	ng	# 94
29) 2,4-Dichlorophenol	10.72	162	15639	6.866	ng	94
30) 1,2,4-Trichlorobenzene	10.92	180	19798	7.154	ng	98
31) Naphthalene	11.10	128	60141	7.803	ng	98
32) Benzoic acid	10.33	122	6313	4.321	ng	# 81
33) 4-Chloroaniline	11.24	127	13671	4.347	ng	# 86
34) Hexachlorobutadiene	11.36	225	13832	7.206	ng	95
35) Caprolactam	12.01	113	2782	4.410	ng	# 87
36) 4-Chloro-3-methylphenol	12.34	107	16396	6.545	ng	85
37) 2-Methylnaphthalene	12.70	142	41499	8.038	ng	# 90
39) 1,2,4,5-Tetrachlorobenzene	13.06	216	20455	7.275	ng	# 100
40) Hexachlorocyclopentadiene	13.02	237	5940	11.564	ng	96

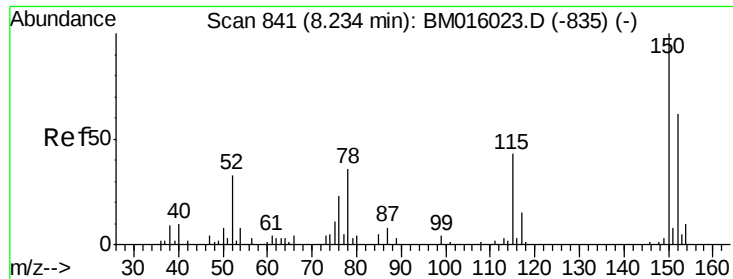
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
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 QLast Update : Mon Jul 23 16:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	13.30	196	10935	6.217	ng	94
43) 2,4,5-Trichlorophenol	13.39	196	12052	6.642	ng #	83
45) 1,1'-Biphenyl	13.69	154	53950	7.239	ng	98
46) 2-Chloronaphthalene	13.75	162	40581	7.001	ng #	87
47) 2-Nitroaniline	13.97	65	10348	5.400	ng #	77
48) Acenaphthylene	14.59	152	63029	7.428	ng	99
49) Dimethylphthalate	14.30	163	52266	7.232	ng	99
50) 2,6-Dinitrotoluene	14.45	165	10103	6.948	ng #	52
51) Acenaphthene	14.92	154	38559	7.388	ng	95
52) 3-Nitroaniline	14.80	138	6587	4.194	ng #	79
53) 2,4-Dinitrophenol	15.02	184	2486	9.796	ng #	84
54) Dibenzofuran	15.25	168	62301	7.244	ng #	77
55) 4-Nitrophenol	15.12	139	4239	3.765	ng #	75
56) 2,4-Dinitrotoluene	15.25	165	11966	5.755	ng #	66
57) Fluorene	15.90	166	48235	7.547	ng	99
58) 2,3,4,6-Tetrachlorophenol	15.49	232	11069	7.098	ng #	100
59) Diethylphthalate	15.65	149	53854	6.913	ng	93
60) 4-Chlorophenyl-phenylether	15.88	204	24150	6.788	ng #	82
61) 4-Nitroaniline	15.95	138	7198	4.777	ng #	31
62) Azobenzene	16.17	77	55448	6.759	ng #	75
64) 4,6-Dinitro-2-methylphenol	16.00	198	4946	4.624	ng #	82
65) n-Nitrosodiphenylamine	16.10	169	40133	6.916	ng #	93
66) 4-Bromophenyl-phenylether	16.77	248	14015	7.024	ng #	66
67) Hexachlorobenzene	16.89	284	15637	7.116	ng #	67
68) Atrazine	17.03	200	14167	6.812	ng	96
69) Pentachlorophenol	17.24	266	5784	4.251	ng	94
70) Phenanthrene	17.63	178	75530	7.656	ng	98
71) Anthracene	17.72	178	72908	7.604	ng	96
72) Carbazole	17.99	167	65620	6.606	ng	96
73) Di-n-butylphthalate	18.51	149	77493	6.261	ng #	95
74) Fluoranthene	19.62	202	82471	7.494	ng	100
76) Benzidine	19.80	184	18883	3.456	ng	99
77) Pyrene	19.97	202	84068	7.174	ng	99
79) Butylbenzylphthalate	20.83	149	36811	6.184	ng #	84
80) Benzo(a)anthracene	21.69	228	90425	7.508	ng	99
81) 3,3'-Dichlorobenzidine	21.62	252	21576	4.448	ng	95
82) Chrysene	21.74	228	86115	7.454	ng	96
83) Bis(2-ethylhexyl)phthalate	21.57	149	51617	5.983	ng	94
84) Di-n-octyl phthalate	22.48	149	93213	6.428	ng #	86
85) Indeno(1,2,3-cd)pyrene	26.50	276	106666	7.780	ng #	94
87) Benzo(b)fluoranthene	23.35	252	91393	7.610	ng #	97
88) Benzo(k)fluoranthene	23.40	252	92915	7.634	ng	97
89) Benzo(a)pyrene	23.97	252	88627	7.677	ng	100
90) Dibenzo(a,h)anthracene	26.50	278	89936	7.519	ng	94
91) Benzo(g,h,i)perylene	27.25	276	87891	7.769	ng	95

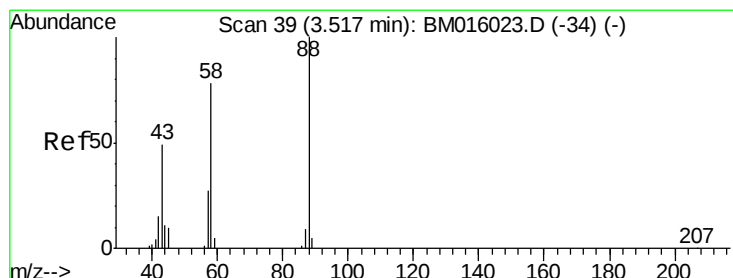
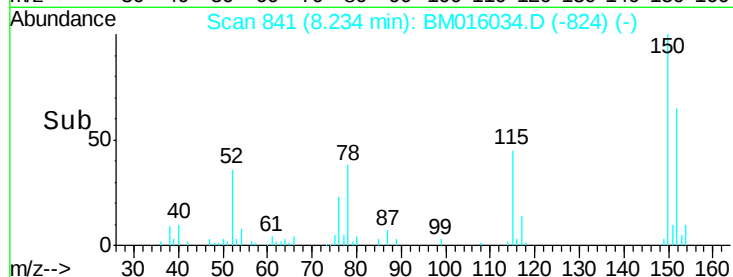
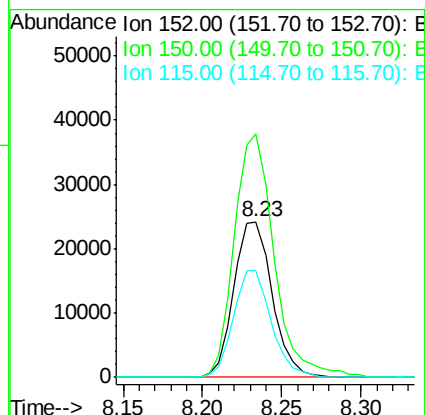
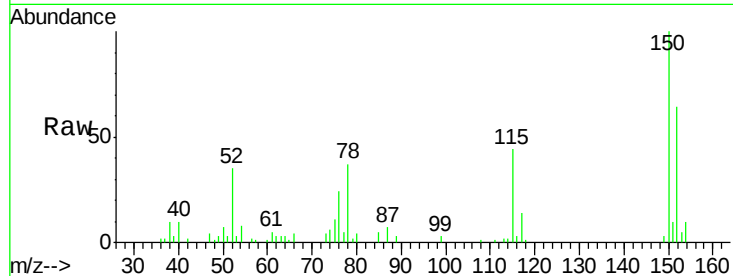
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.23 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

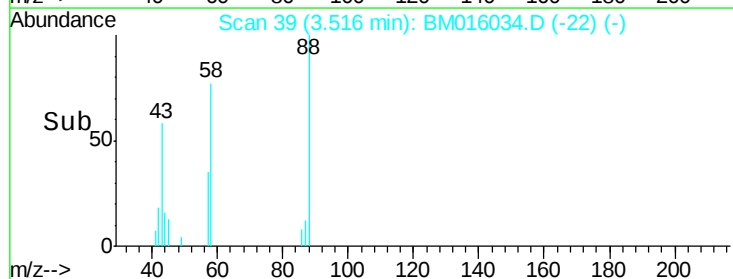
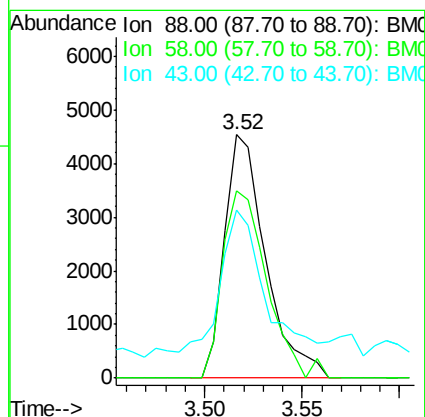
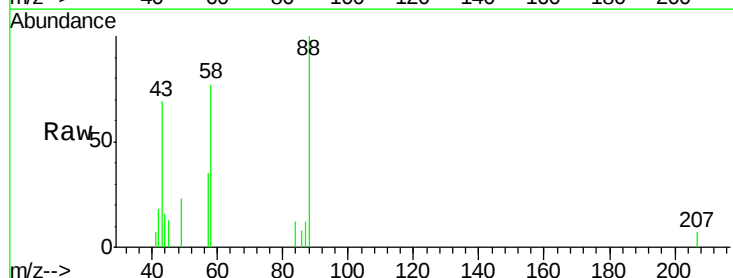
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

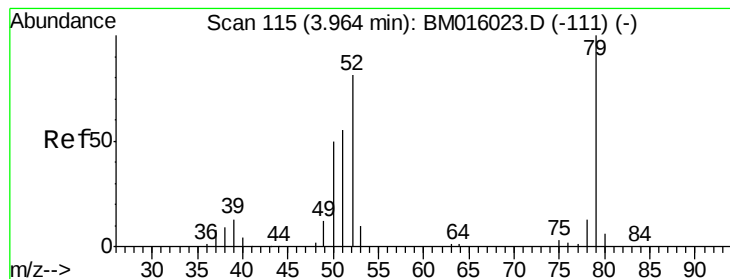
Tgt Ion:152 Resp: 40670
 Ion Ratio Lower Upper
 152 100
 150 156.5 119.5 179.3
 115 68.7 43.0 64.4#



#2
 1,4-Dioxane
 Concen: 5.801 ng
 RT: 3.52 min Scan# 39
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion: 88 Resp: 6654
 Ion Ratio Lower Upper
 88 100
 58 82.7 0.0 0.0#
 43 66.6 0.0 0.0#





#3

Pyridine

Concen: 5.016 ng

RT: 3.99 min Scan# 119

Delta R.T. 0.02 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

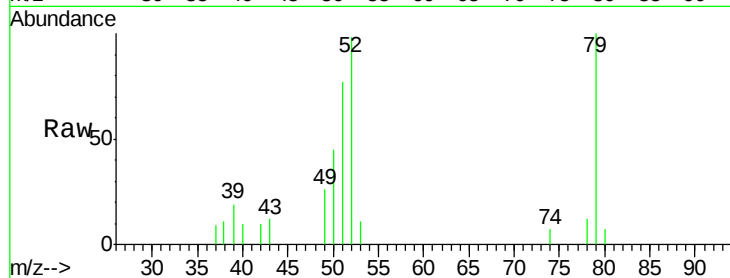
Tgt Ion: 79 Resp: 13861

Ion Ratio Lower Upper

79 100

52 97.6 51.1 76.7#

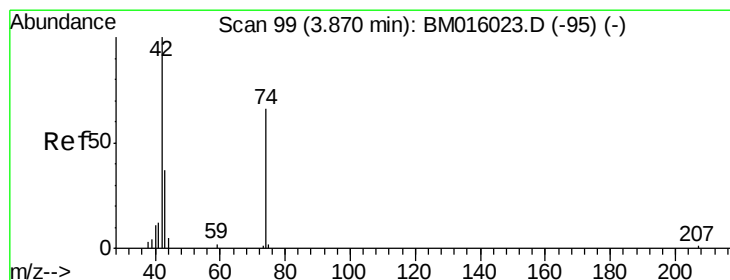
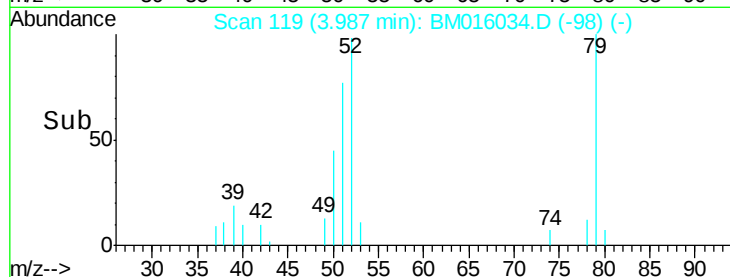
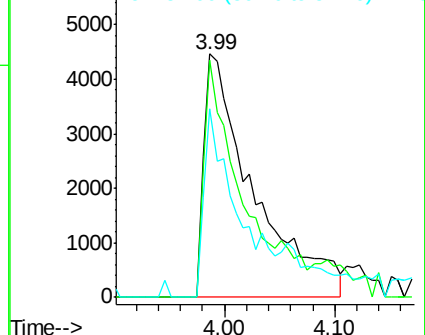
51 77.4 26.1 39.1#



Abundance Ion 79.00 (78.70 to 79.70): BM016023.D (-111) (-)

Ion 52.00 (51.70 to 52.70): BM016023.D (-111) (-)

Ion 51.00 (50.70 to 51.70): BM016023.D (-111) (-)



#4

n-Nitrosodimethylamine

Concen: 6.602 ng

RT: 3.89 min Scan# 102

Delta R.T. 0.02 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

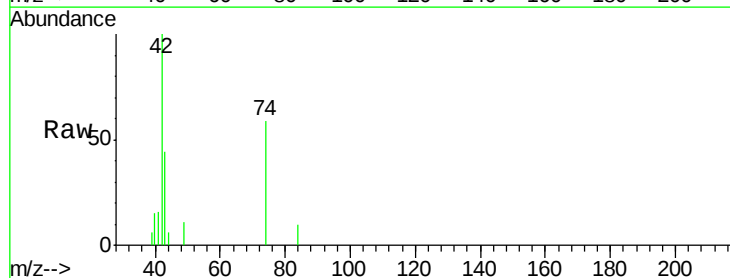
Tgt Ion: 42 Resp: 14230

Ion Ratio Lower Upper

42 100

74 58.7 119.3 178.9#

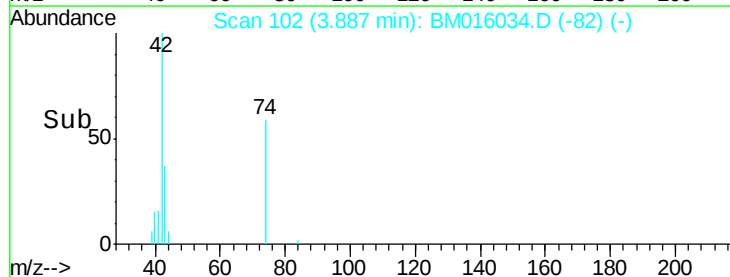
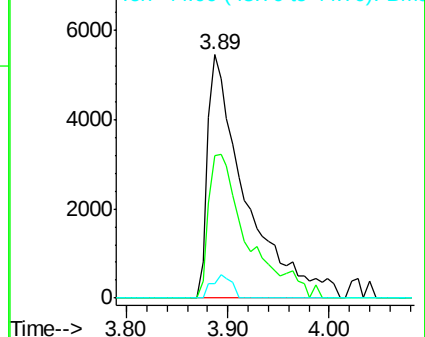
44 6.1 5.4 8.2

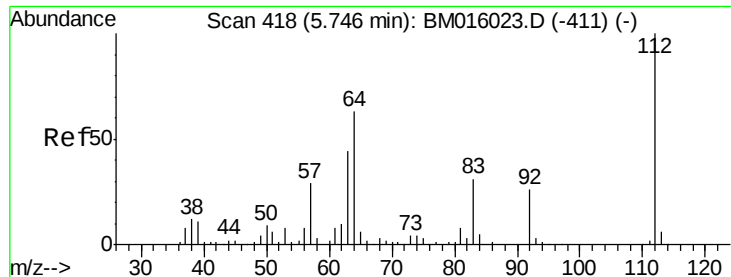


Abundance Ion 42.00 (41.70 to 42.70): BM016023.D (-95) (-)

Ion 74.00 (73.70 to 74.70): BM016023.D (-95) (-)

Ion 44.00 (43.70 to 44.70): BM016023.D (-95) (-)





#5

2-Fluorophenol

Concen: 6.602 ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

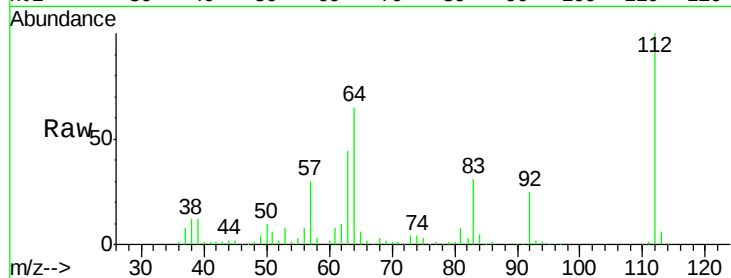
Tgt Ion: 112 Resp: 319527

Ion Ratio Lower Upper

112 100

64 64.6 38.6 57.8#

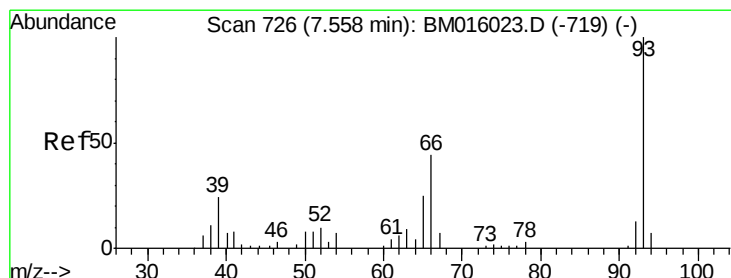
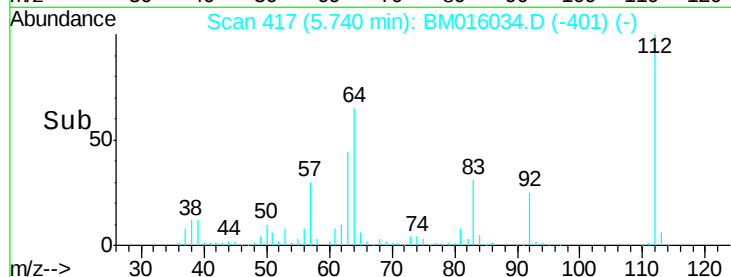
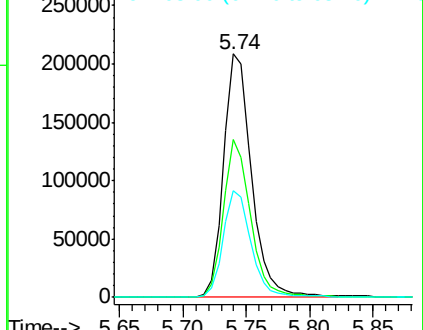
63 43.9 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#6

Aniline

Concen: 4.652 ng

RT: 7.56 min Scan# 727

Delta R.T. 0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

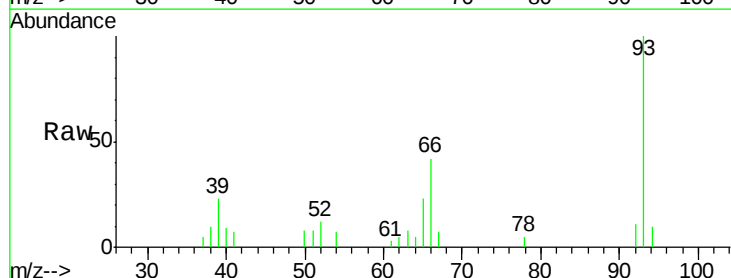
Tgt Ion: 93 Resp: 17127

Ion Ratio Lower Upper

93 100

66 42.4 30.8 46.2

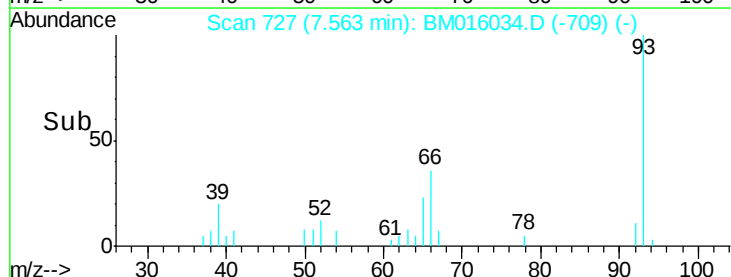
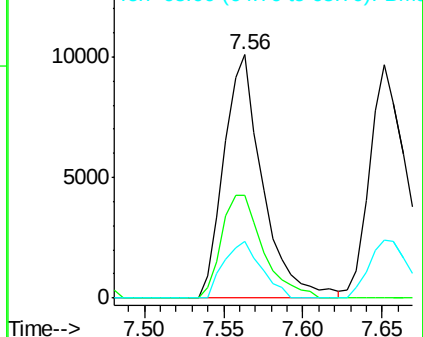
65 23.2 16.0 24.0

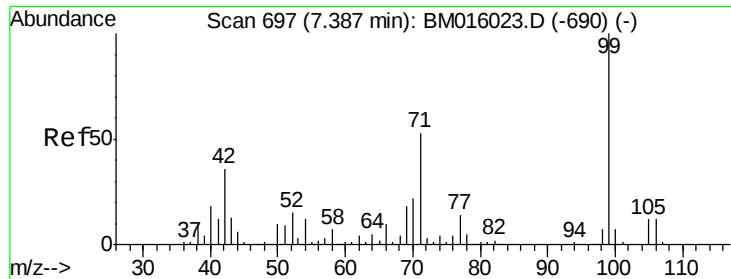


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 4.652 ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

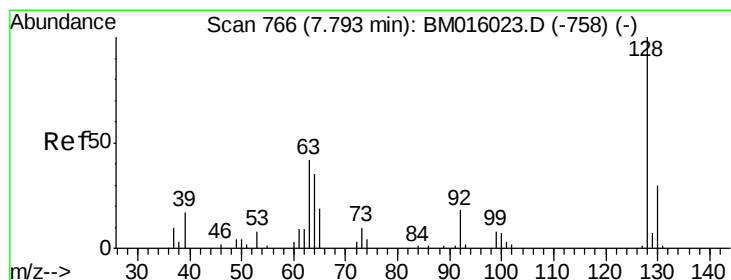
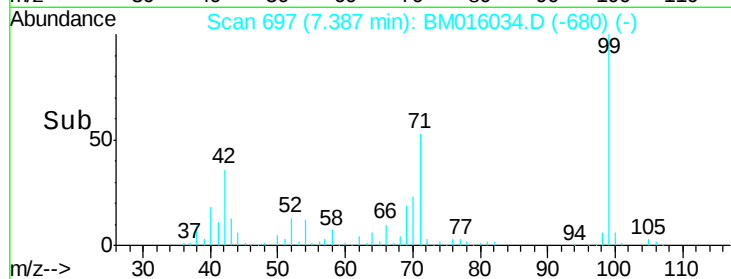
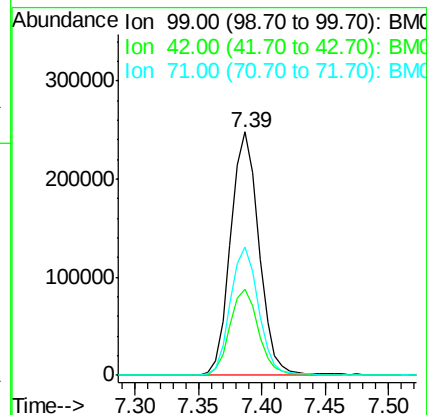
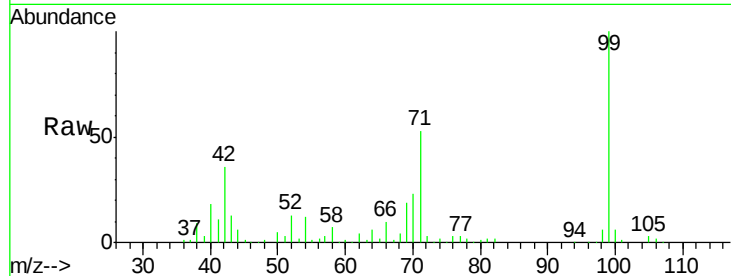
Instrument :

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Tgt Ion:	99	Resp:	386087
Ion	Ratio	Lower	Upper
99	100		
42	35.6	11.0	16.4#
71	52.6	23.4	35.2#



#8

2-Chlorophenol

Concen: 6.795 ng

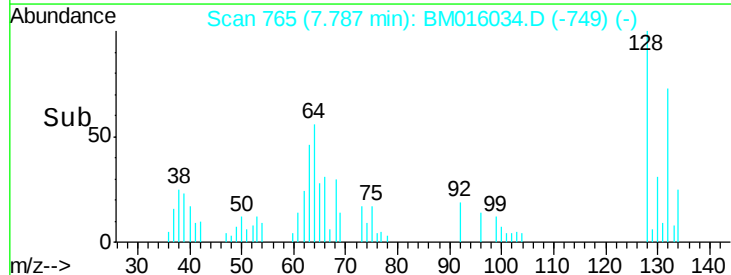
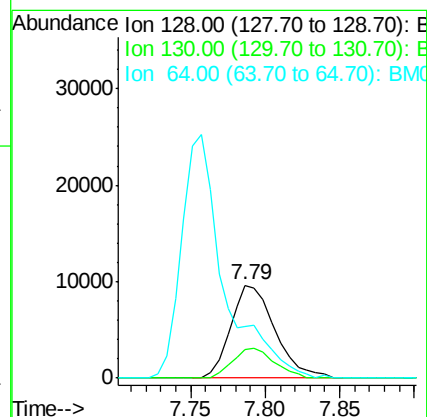
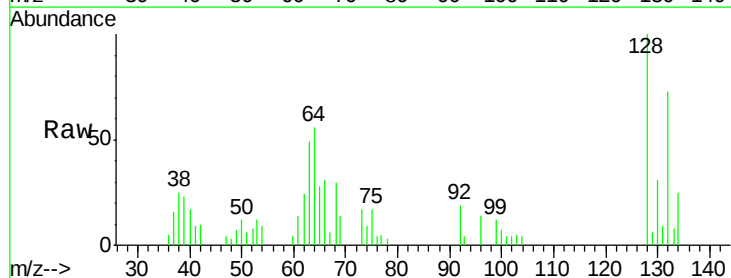
RT: 7.79 min Scan# 765

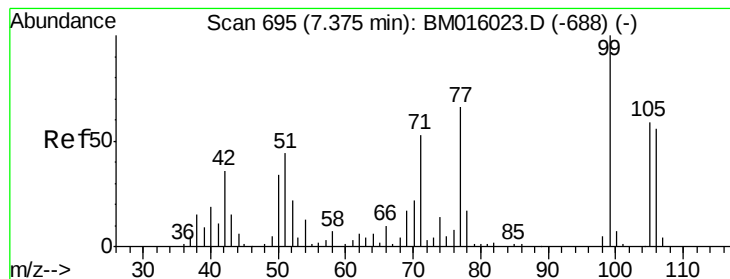
Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Tgt Ion:	128	Resp:	19771
Ion	Ratio	Lower	Upper
128	100		
130	30.9	12.0	52.0
64	56.3	24.9	64.9





#9

Benzaldehyde

Concen: 8.594 ng

RT: 7.38 min Scan# 696

Delta R.T. 0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

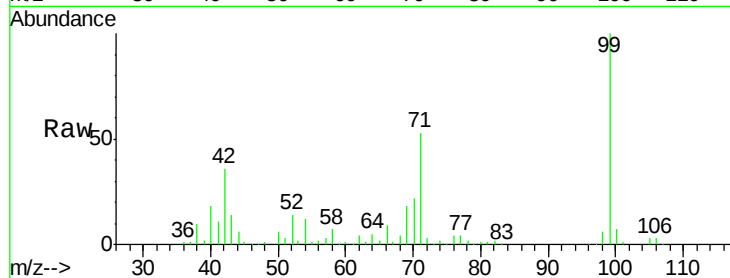
BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion: 77 Resp: 19307

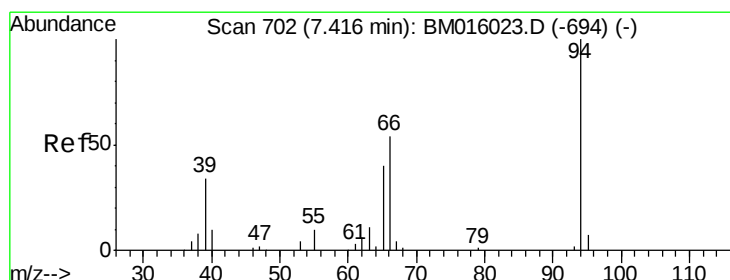
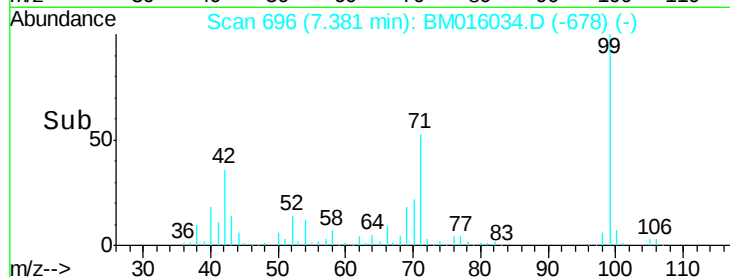
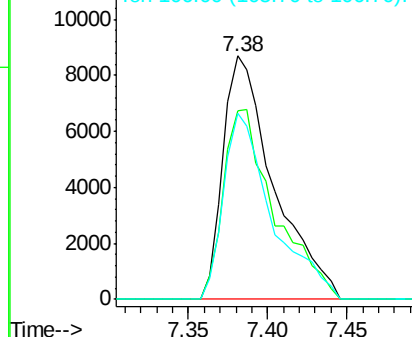
Ion	Ratio	Lower	Upper
77	100		
105	77.7	78.8	118.8#
106	76.3	73.7	113.7



Abundance Ion 77.00 (76.70 to 77.70): BM016023.D (-688) (-)

Ion 105.00 (104.70 to 105.70): BM016023.D (-688) (-)

Ion 106.00 (105.70 to 106.70): BM016023.D (-688) (-)



#10

Phenol

Concen: 6.998 ng

RT: 7.42 min Scan# 702

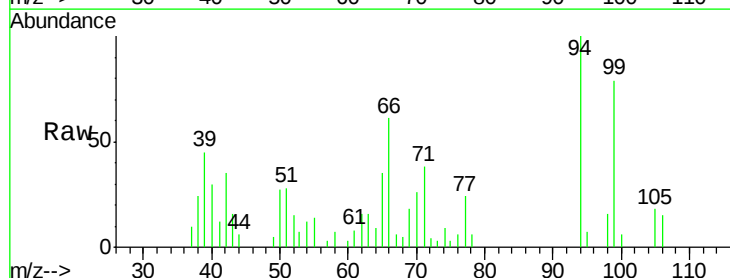
Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Tgt Ion: 94 Resp: 22374

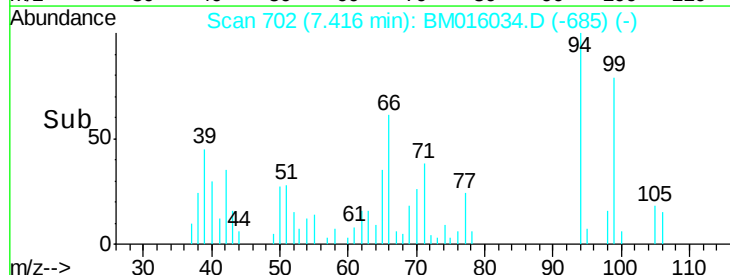
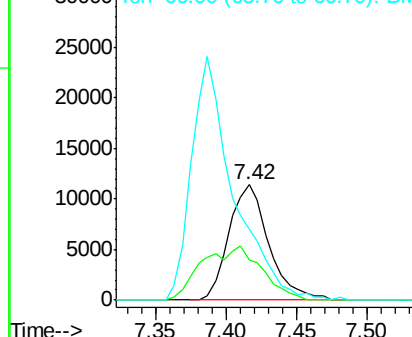
Ion	Ratio	Lower	Upper
94	100		
65	34.9	18.8	58.8
66	61.2	39.9	79.9

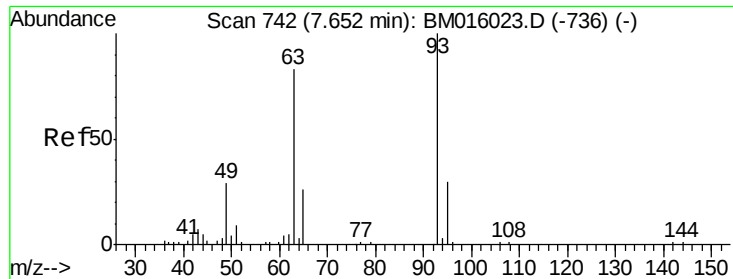


Abundance Ion 94.00 (93.70 to 94.70): BM016023.D (-694) (-)

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

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

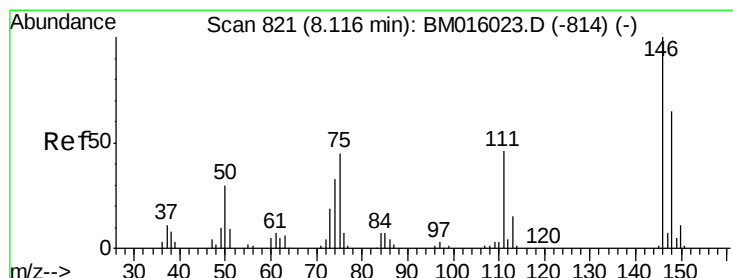
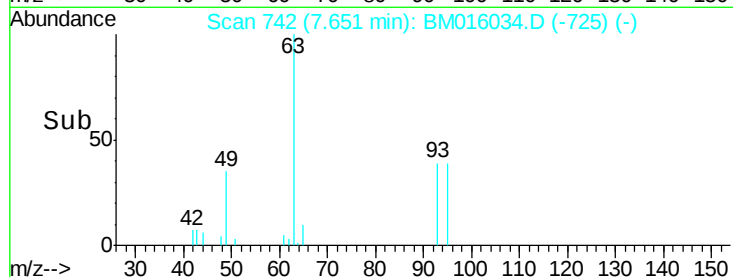
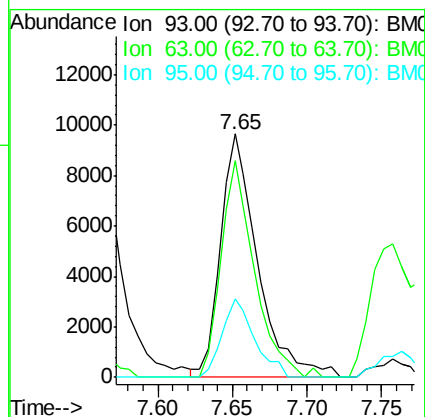
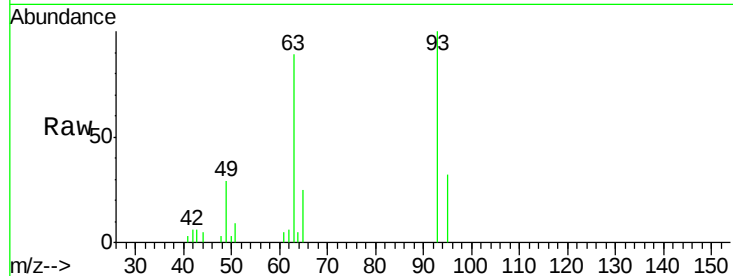




#11
bis(2-Chloroethyl)ether
Concen: 6.645 ng
RT: 7.65 min Scan# 742
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

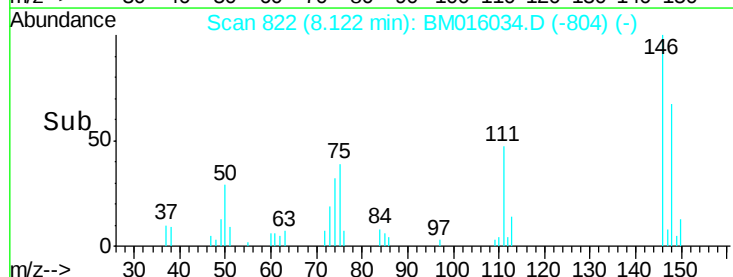
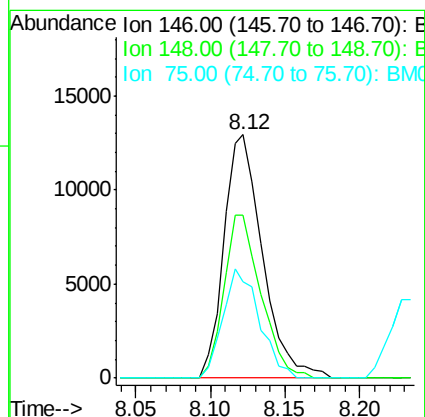
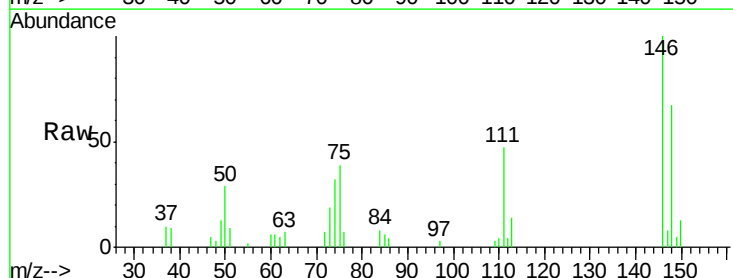
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

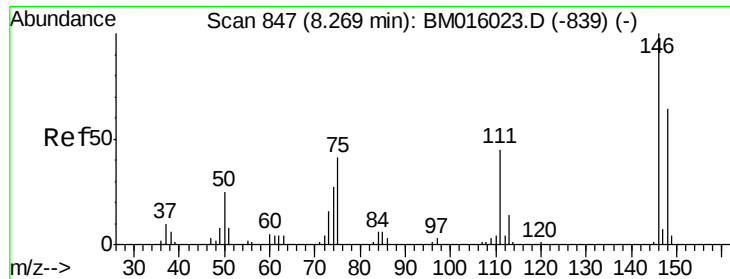
Tgt Ion: 93 Resp: 16784
Ion Ratio Lower Upper
93 100
63 89.1 49.5 89.5
95 32.4 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 6.862 ng
RT: 8.12 min Scan# 822
Delta R.T. 0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion: 146 Resp: 23371
Ion Ratio Lower Upper
146 100
148 66.9 50.9 76.3
75 39.4 21.4 32.2#

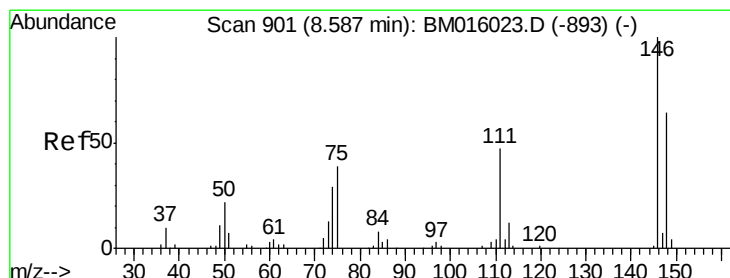
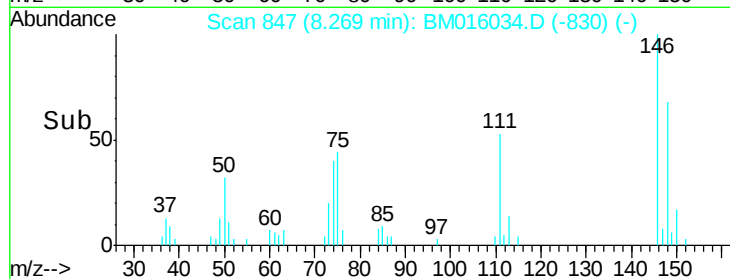
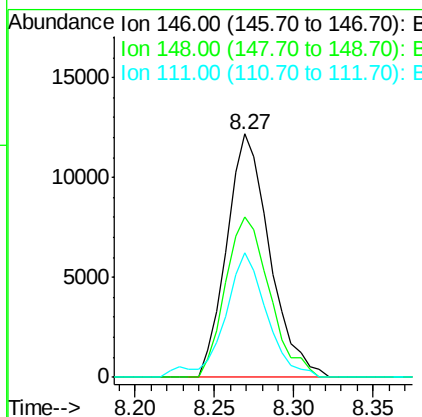
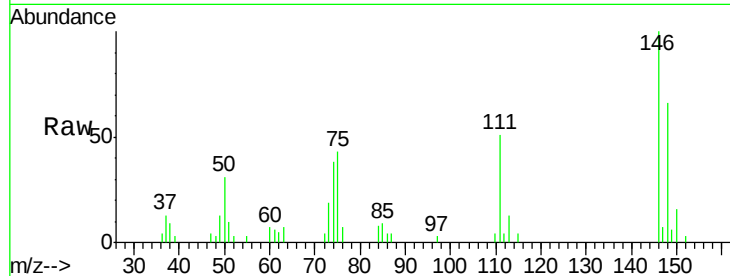




#13
 1,4-Dichlorobenzene
 Concen: 6.628 ng
 RT: 8.27 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

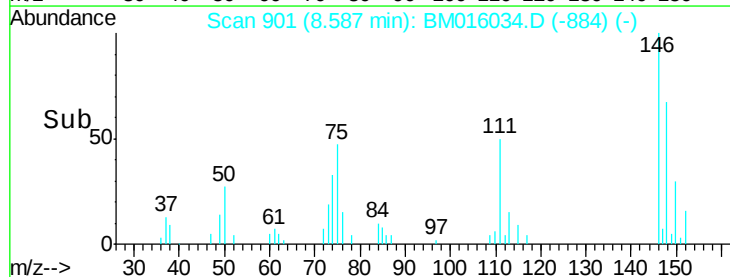
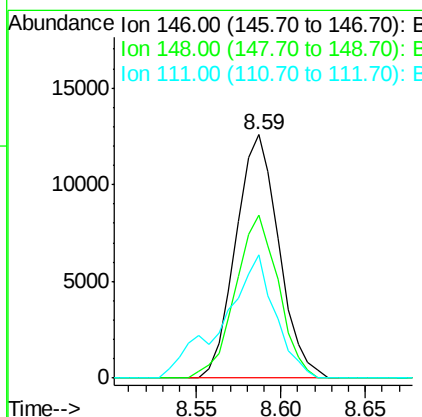
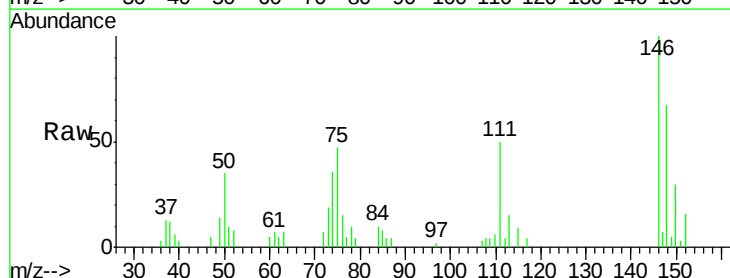
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

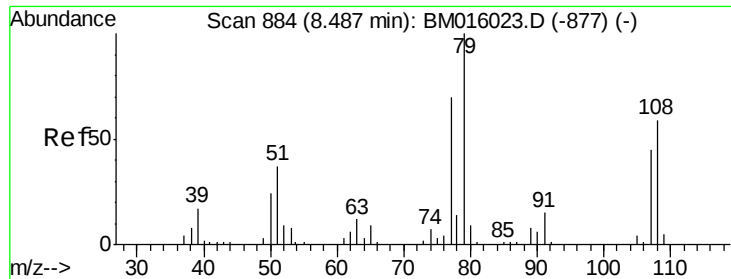
Tgt Ion:146 Resp: 22896
 Ion Ratio Lower Upper
 146 100
 148 65.8 51.9 77.9
 111 51.2 29.2 43.8#



#14
 1,2-Dichlorobenzene
 Concen: 6.595 ng
 RT: 8.59 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:146 Resp: 22292
 Ion Ratio Lower Upper
 146 100
 148 66.8 52.3 78.5
 111 50.5 30.6 45.8#





#15

Benzyl Alcohol

Concen: 4.977 ng

RT: 8.50 min Scan# 886

Delta R.T. 0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

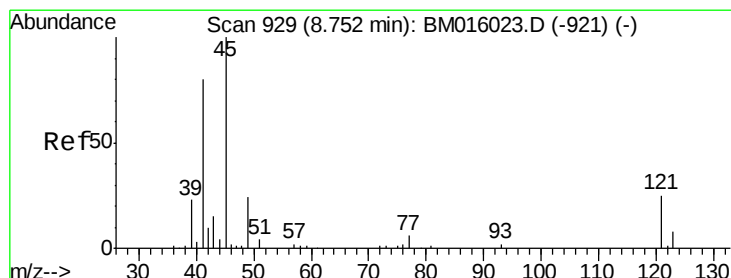
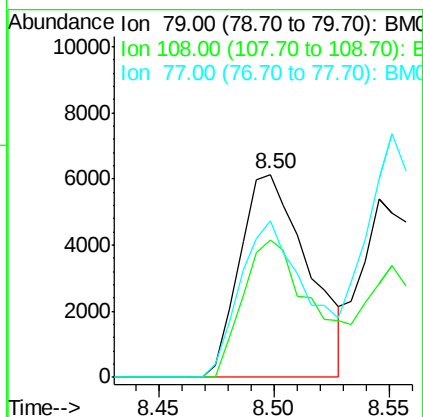
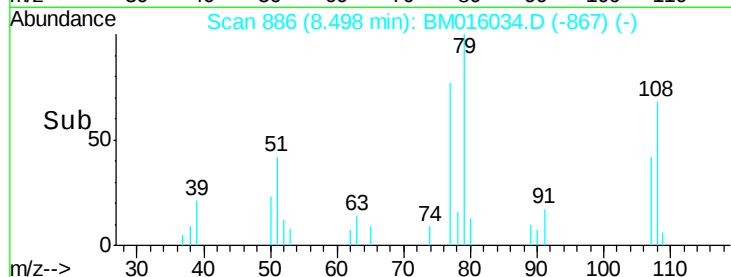
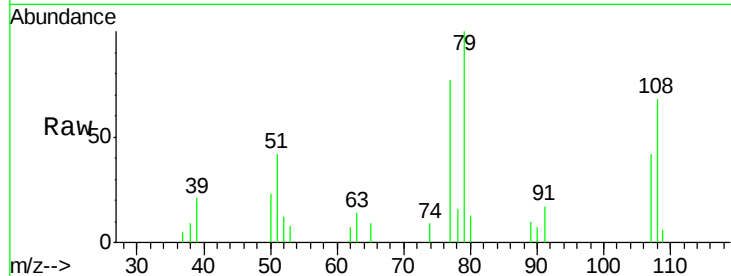
Tgt Ion: 79 Resp: 12672

Ion Ratio Lower Upper

79 100

108 67.7 65.0 97.4

77 77.4 53.0 79.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.818 ng

RT: 8.75 min Scan# 928

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

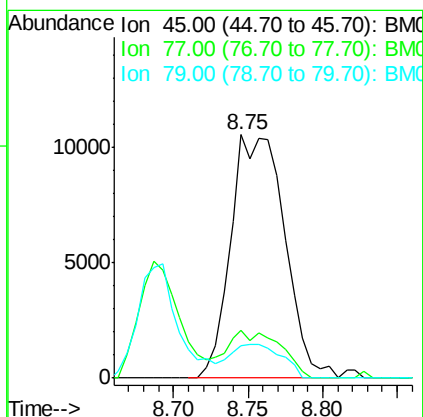
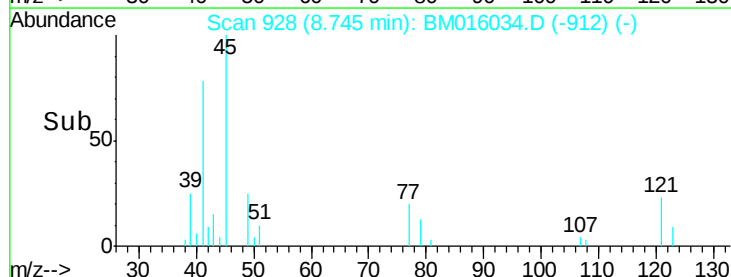
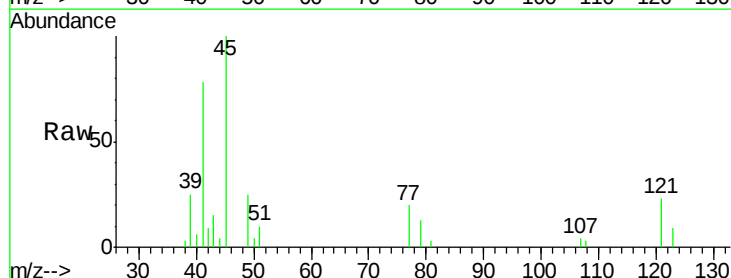
Tgt Ion: 45 Resp: 26355

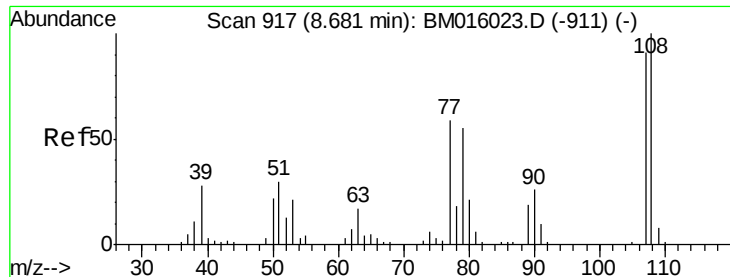
Ion Ratio Lower Upper

45 100

77 19.6 0.0 35.2

79 13.3 0.0 32.0

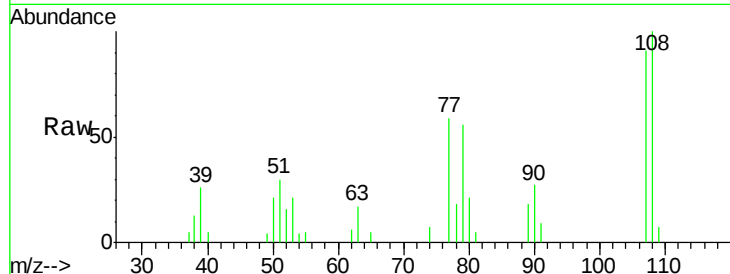




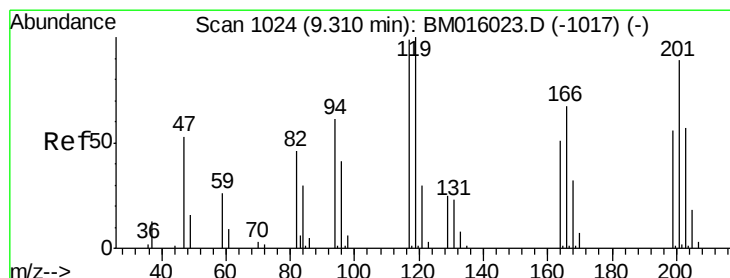
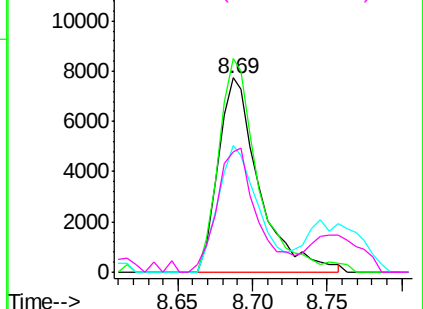
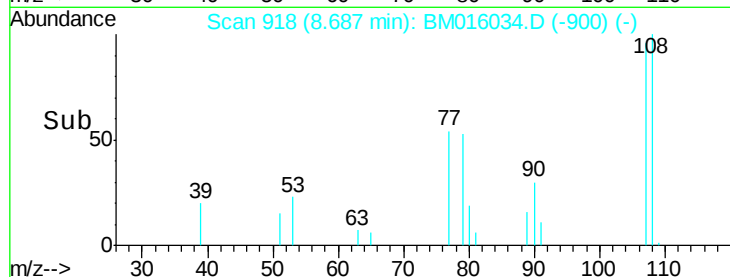
#17
2-Methylphenol
Concen: 6.792 ng
RT: 8.69 min Scan# 918
Delta R.T. 0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

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

Tgt Ion:107 Resp: 14843
Ion Ratio Lower Upper
107 100
108 109.9 89.8 134.8
77 65.3 32.6 48.8#
79 62.0 32.8 49.2#

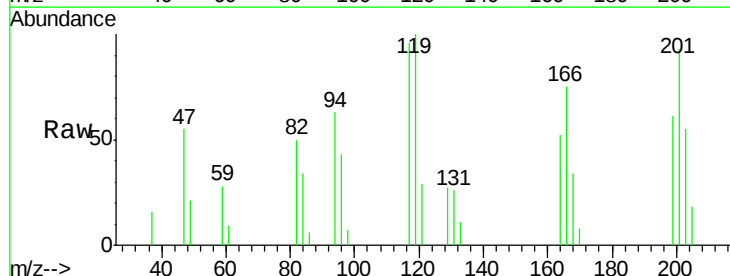


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM
Ion 79.00 (78.70 to 79.70): BM

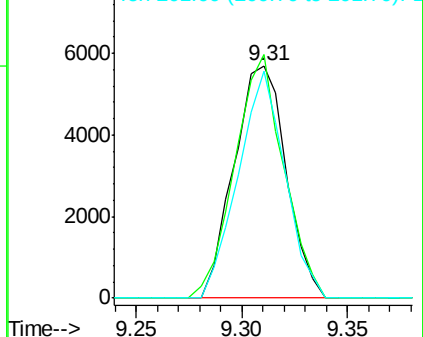
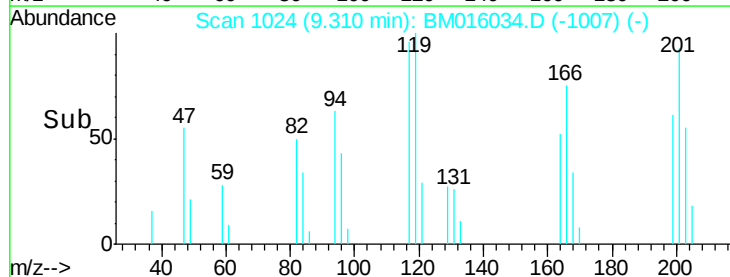


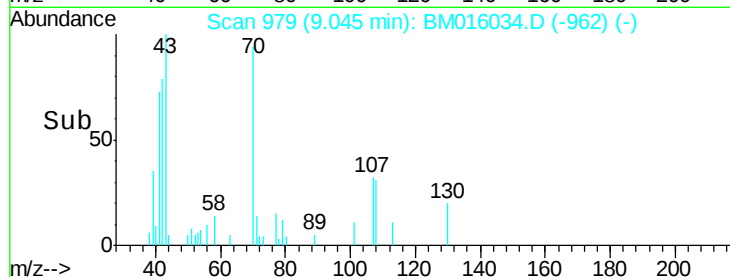
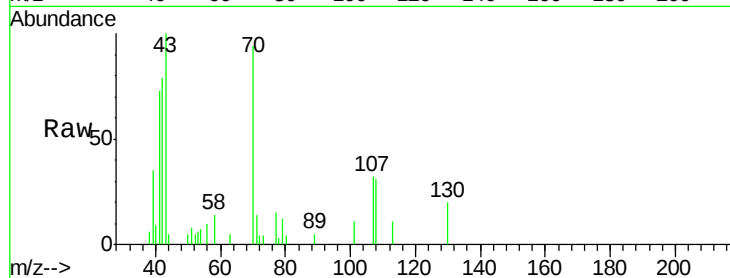
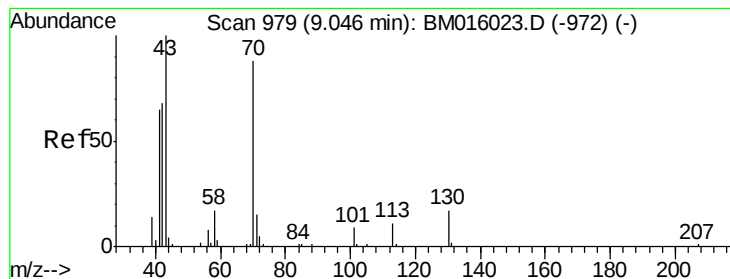
#18
Hexachloroethane
Concen: 6.507 ng
RT: 9.31 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:117 Resp: 9717
Ion Ratio Lower Upper
117 100
119 104.6 79.2 118.8
201 97.8 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: 5.957 ng

RT: 9.05 min Scan# 979

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

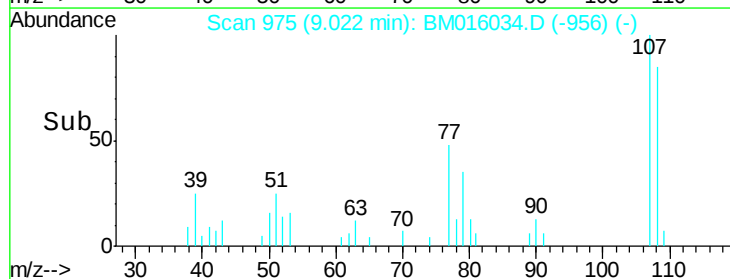
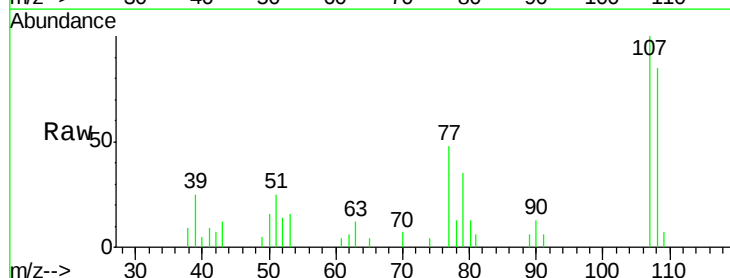
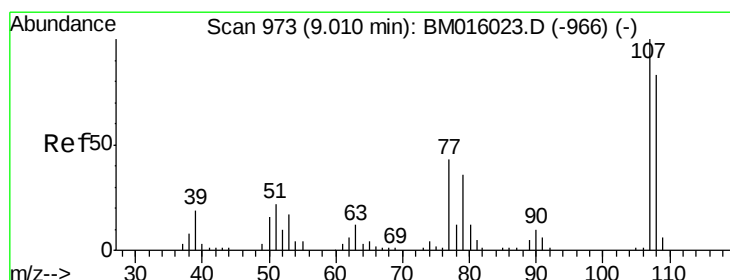
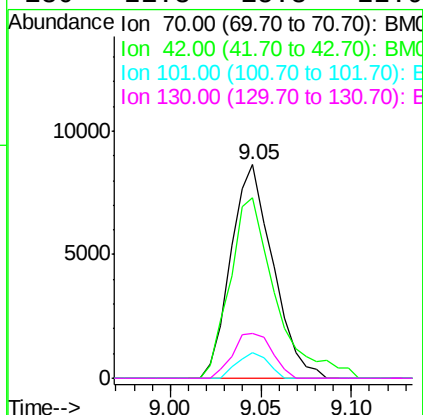
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:	70	Resp:	13921
Ion	Ratio	Lower	Upper
70	100		
42	84.5	44.5	66.7#
101	12.0	7.4	11.2#
130	21.3	15.3	22.9



#20

3+4-Methylphenols

Concen: 5.664 ng

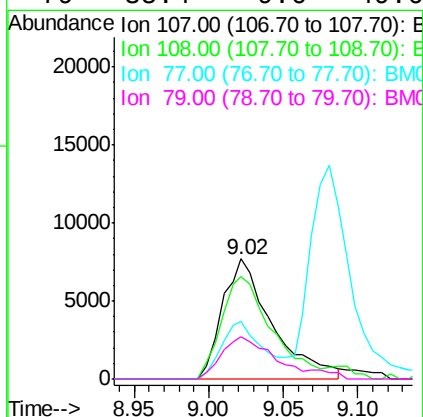
RT: 9.02 min Scan# 975

Delta R.T. 0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Tgt Ion:	107	Resp:	17809
Ion	Ratio	Lower	Upper
107	100		
108	85.3	73.2	113.2
77	48.3	10.7	50.7
79	35.4	9.6	49.6

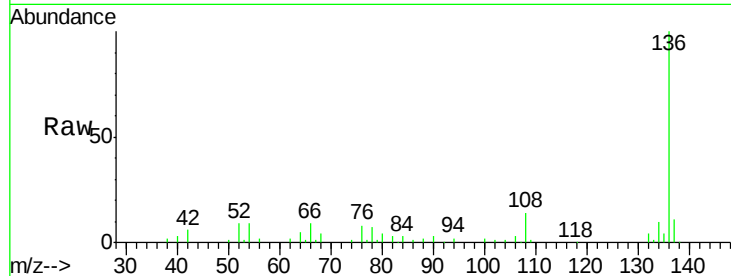




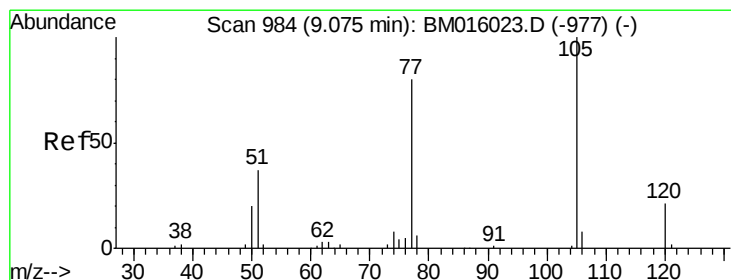
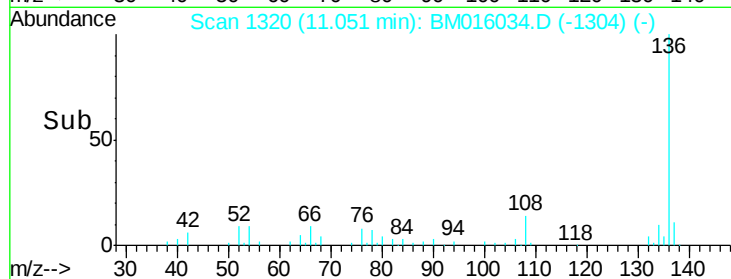
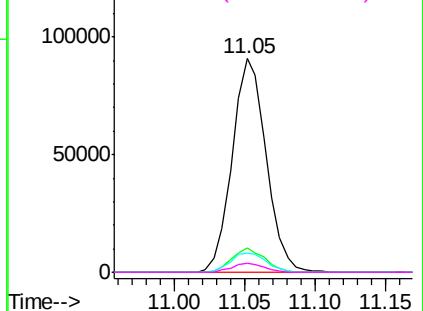
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

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

Tgt Ion:136 Resp: 152284
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 9.1 4.6 6.8#
68 4.3 3.7 5.5

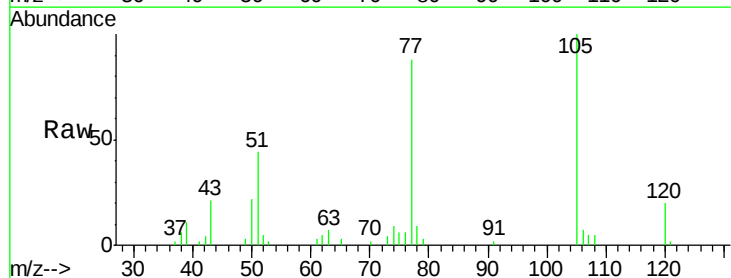


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

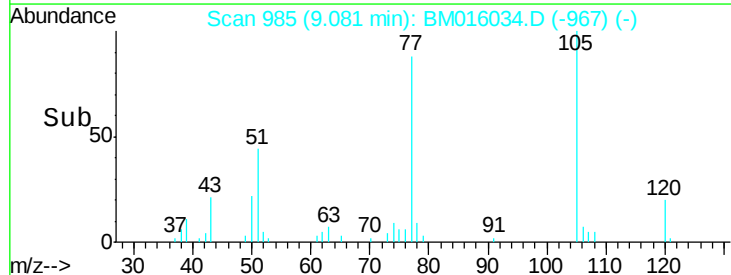
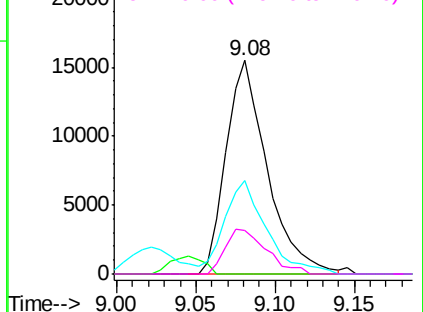


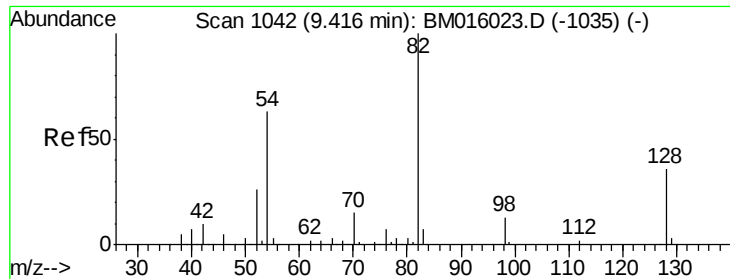
#22
Acetophenone
Concen: 7.279 ng
RT: 9.08 min Scan# 985
Delta R.T. 0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:105 Resp: 27910
Ion Ratio Lower Upper
105 100
71 0.0 0.6 1.0#
51 43.6 21.6 32.4#
120 20.4 16.1 24.1



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

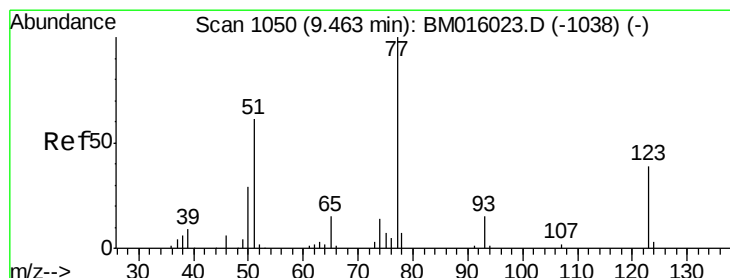
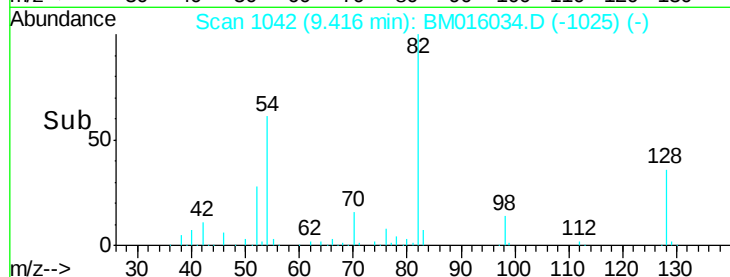
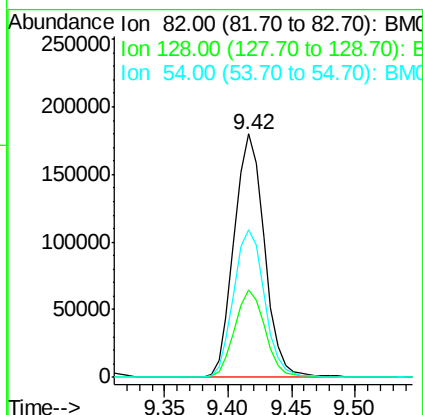
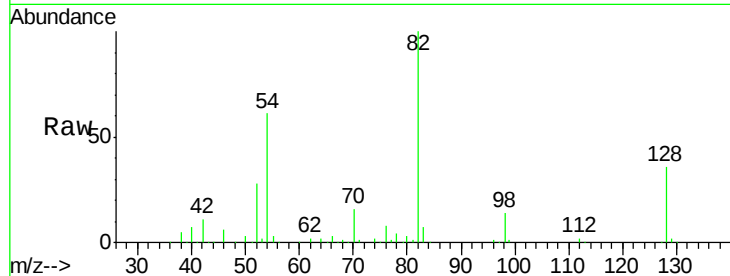




#23
 Nitrobenzene-d5
 Concen: 7.279 ng
 RT: 9.42 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

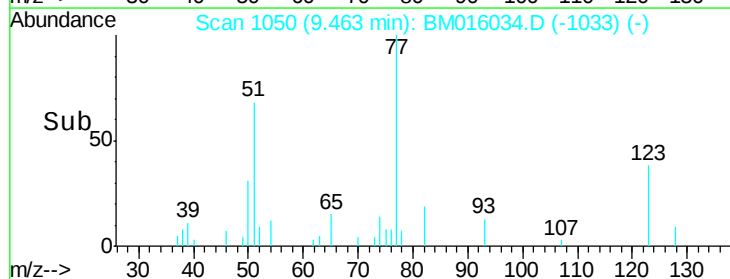
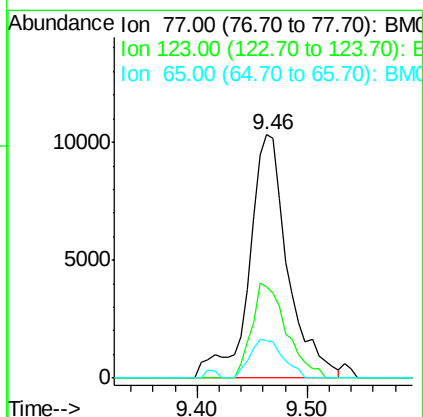
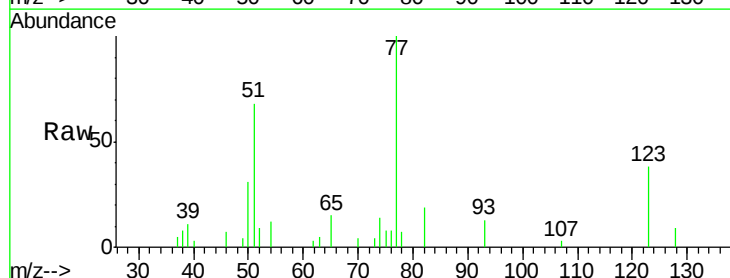
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

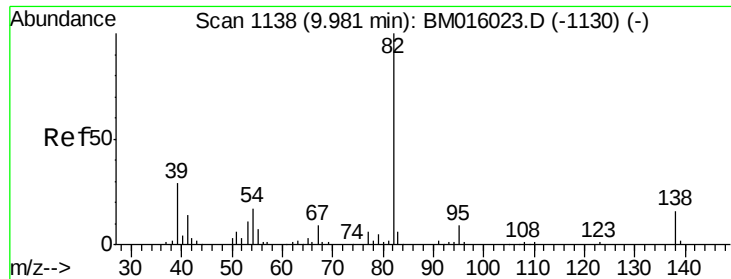
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.1	32.8	49.2
54	60.6	40.6	60.8



#24
 Nitrobenzene
 Concen: 7.684 ng
 RT: 9.46 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion	Ratio	Lower	Upper
77	100		
123	37.7	32.6	49.0
65	15.4	10.9	16.3

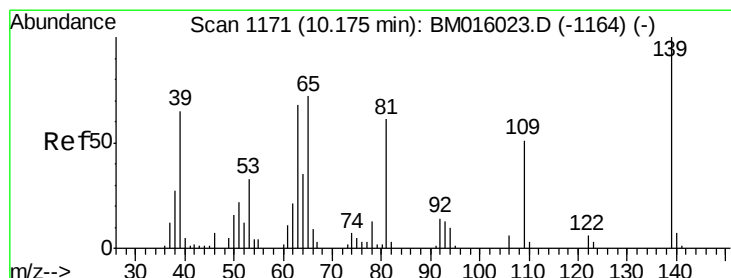
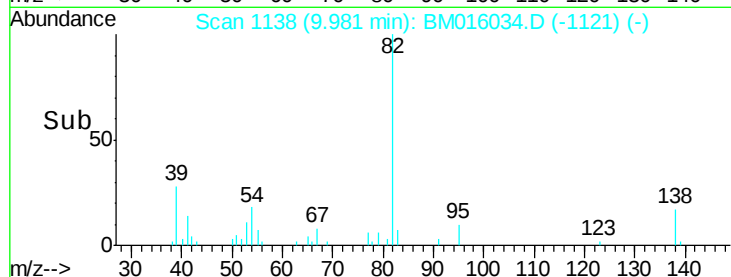
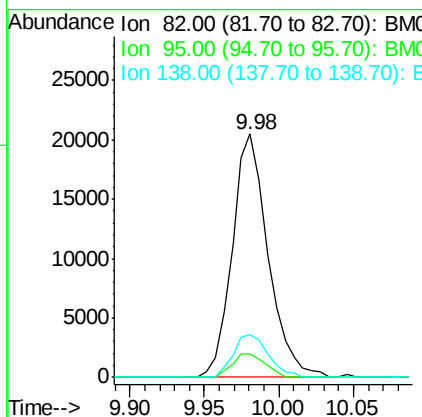
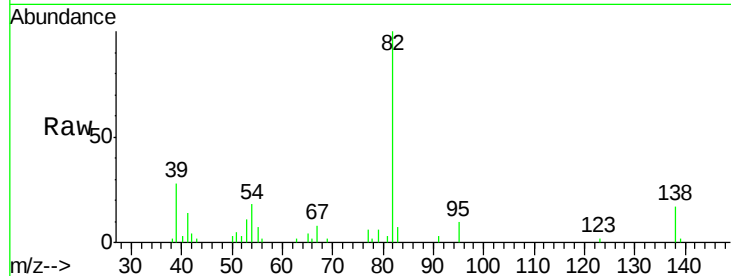




#25
Isophorone
Concen: 7.675 ng
RT: 9.98 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

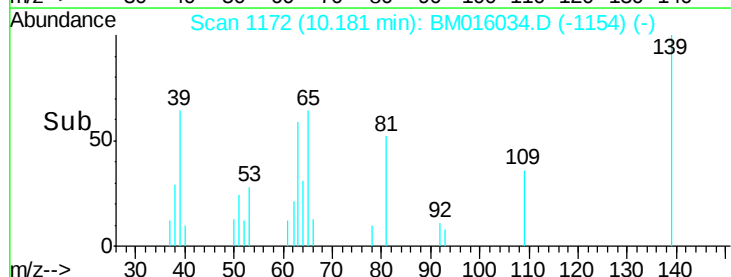
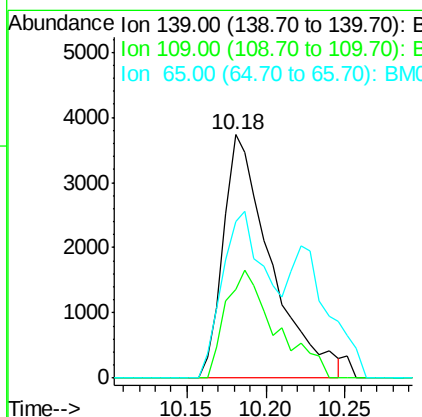
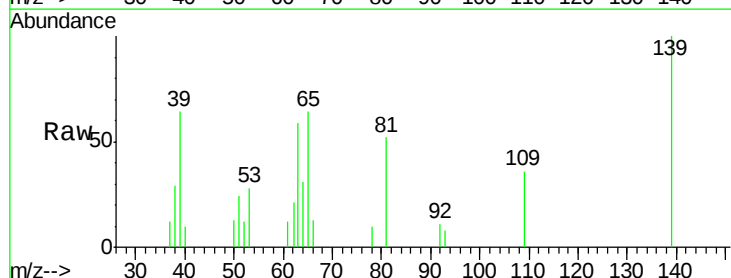
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

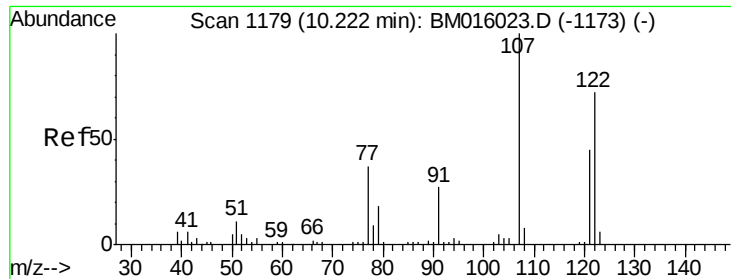
Tgt Ion: 82 Resp: 34372
Ion Ratio Lower Upper
82 100
95 9.7 5.8 8.6#
138 17.3 16.3 24.5



#26
2-Nitrophenol
Concen: 5.680 ng
RT: 10.18 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion: 139 Resp: 7815
Ion Ratio Lower Upper
139 100
109 36.3 20.1 30.1#
65 64.5 31.5 47.3#

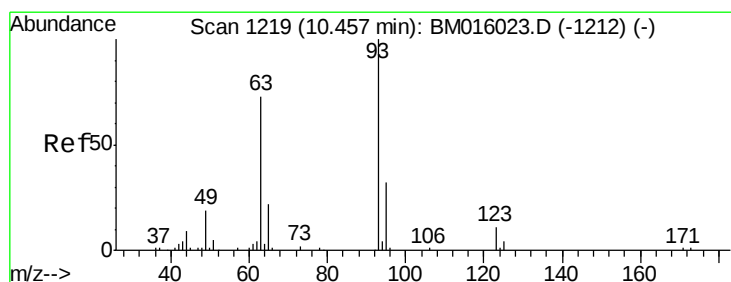
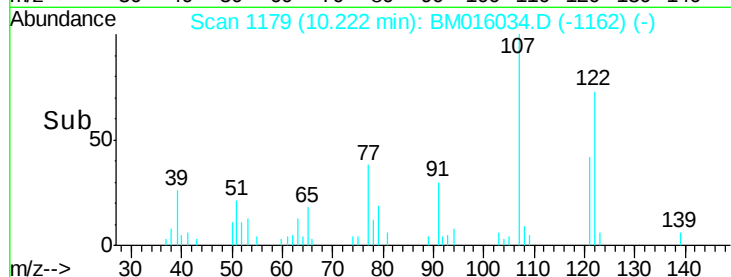
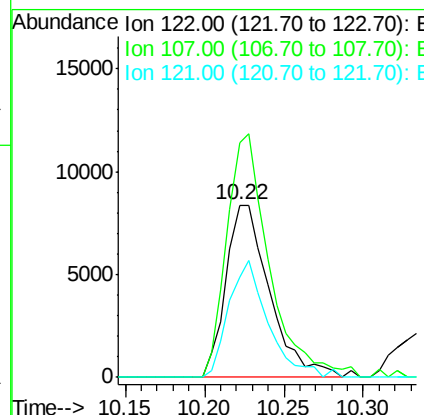
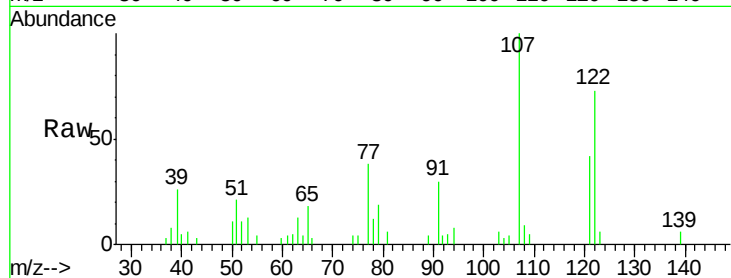




#27
 2,4-Dimethylphenol
 Concen: 8.371 ng
 RT: 10.22 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

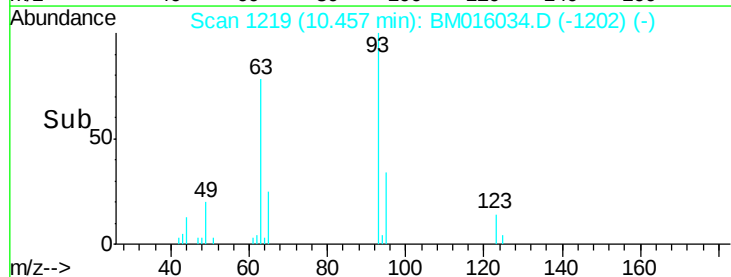
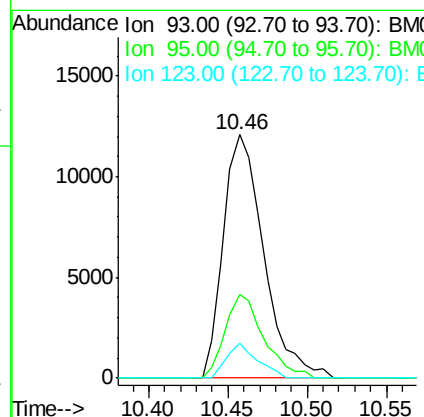
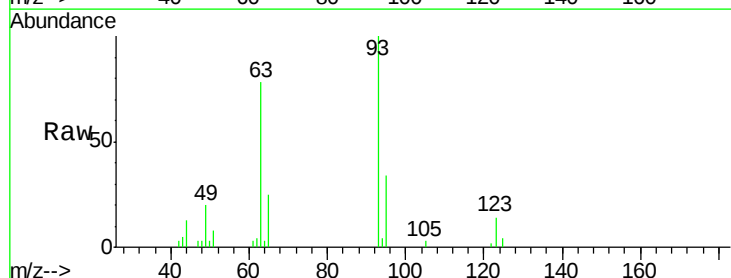
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

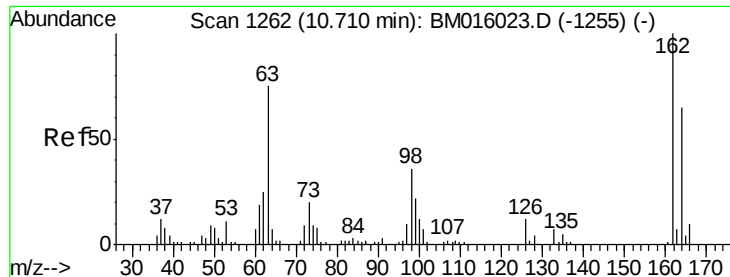
Tgt Ion:122 Resp: 16044
 Ion Ratio Lower Upper
 122 100
 107 136.5 84.7 127.1#
 121 58.0 46.6 69.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.375 ng
 RT: 10.46 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion: 93 Resp: 21467
 Ion Ratio Lower Upper
 93 100
 95 34.3 25.5 38.3
 123 14.3 8.6 13.0#

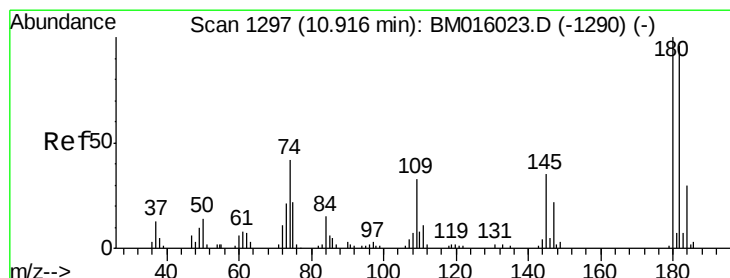
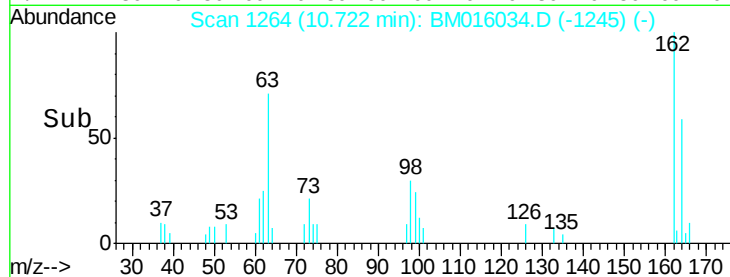
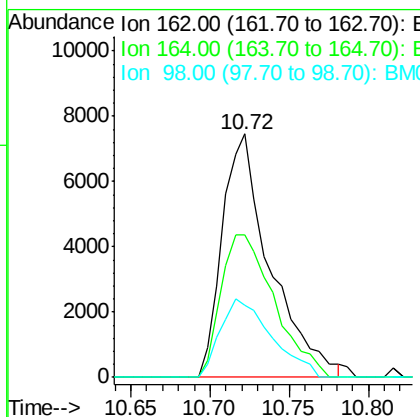
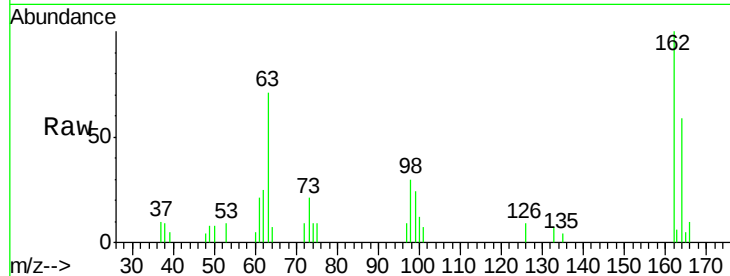




#29
 2,4-Dichlorophenol
 Concen: 6.866 ng
 RT: 10.72 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

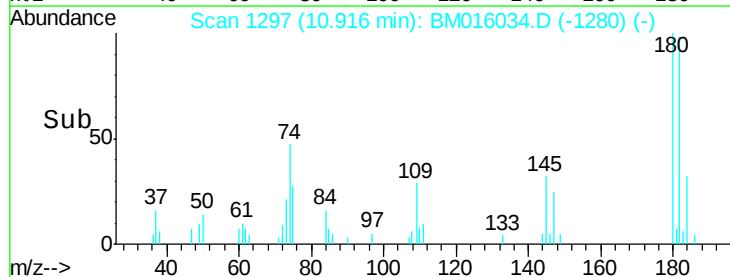
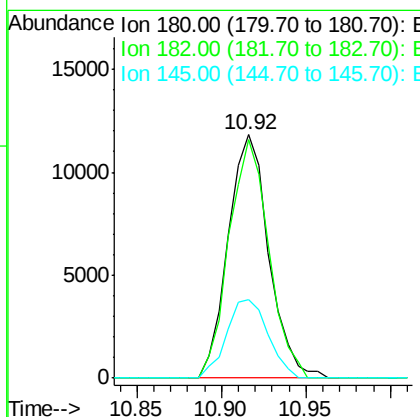
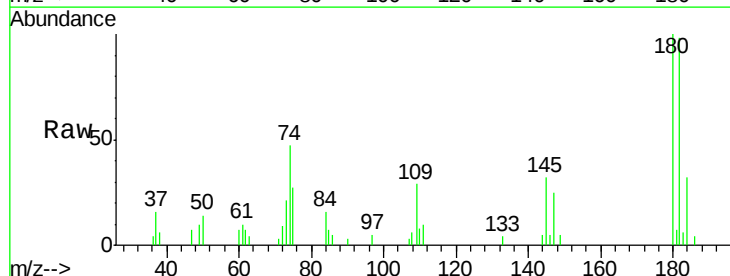
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

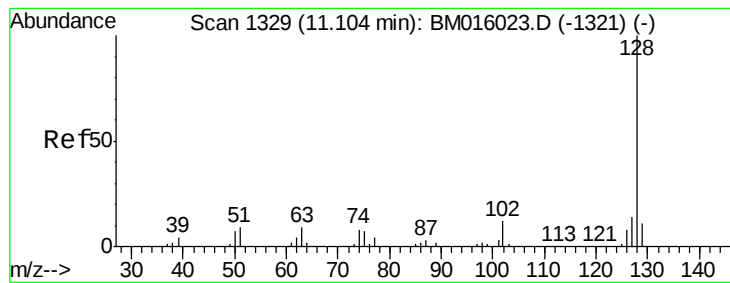
Tgt Ion:162 Resp: 15639
 Ion Ratio Lower Upper
 162 100
 164 58.7 42.8 82.8
 98 29.7 14.5 54.5



#30
 1,2,4-Trichlorobenzene
 Concen: 7.154 ng
 RT: 10.92 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:180 Resp: 19798
 Ion Ratio Lower Upper
 180 100
 182 98.0 77.6 116.4
 145 32.3 23.4 35.2





#31

Naphthalene

Concen: 7.803 ng

RT: 11.10 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

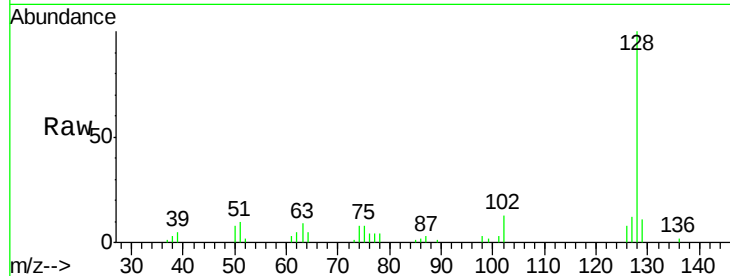
Tgt Ion:128 Resp: 60141

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

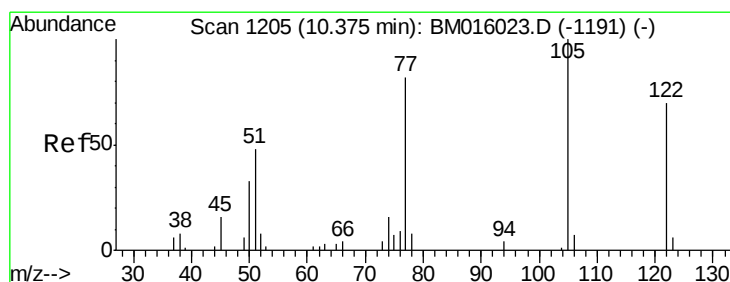
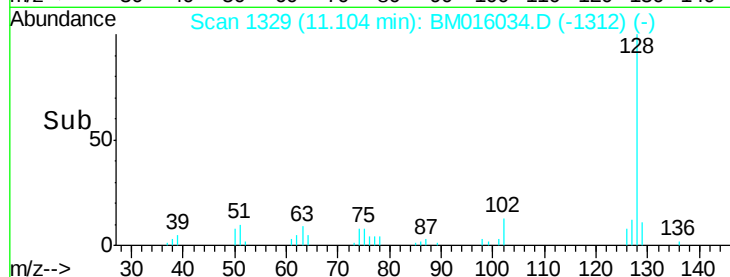
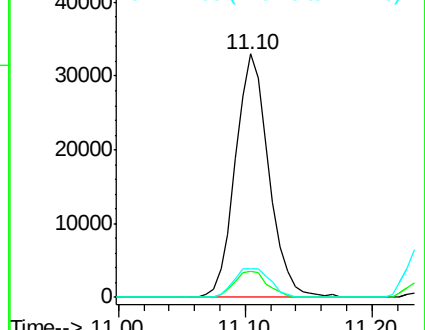
127 12.0 10.4 15.6



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: 4.321 ng

RT: 10.33 min Scan# 1198

Delta R.T. -0.04 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

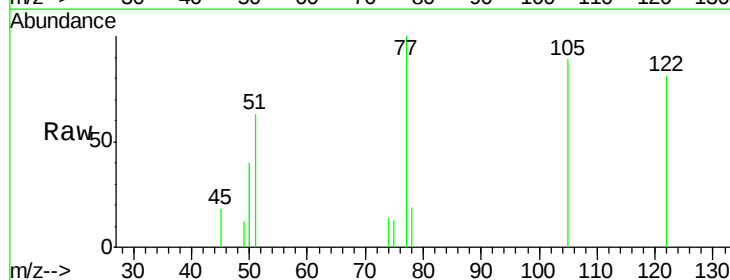
Tgt Ion:122 Resp: 6313

Ion Ratio Lower Upper

122 100

105 109.2 99.9 139.9

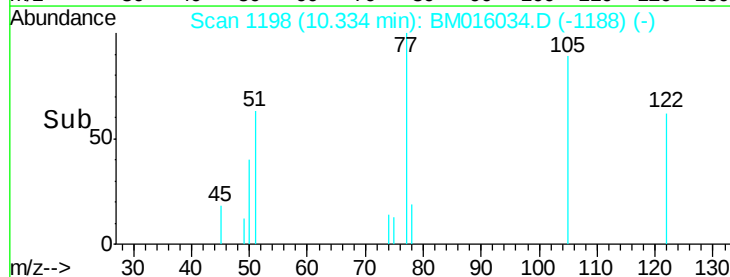
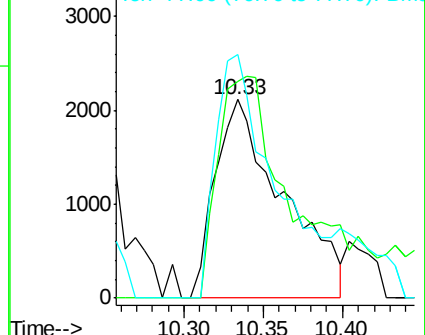
77 122.8 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

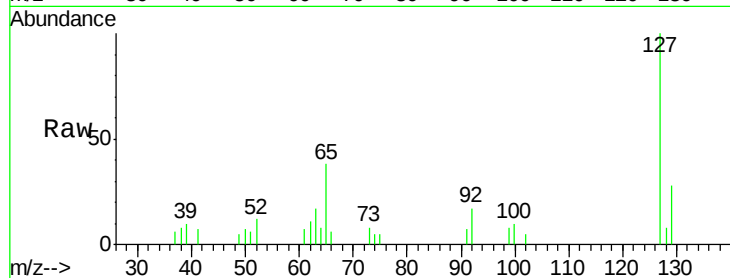




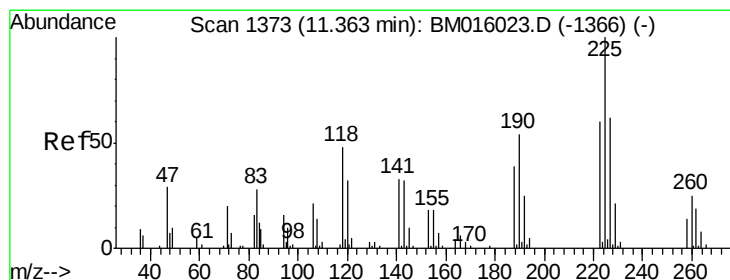
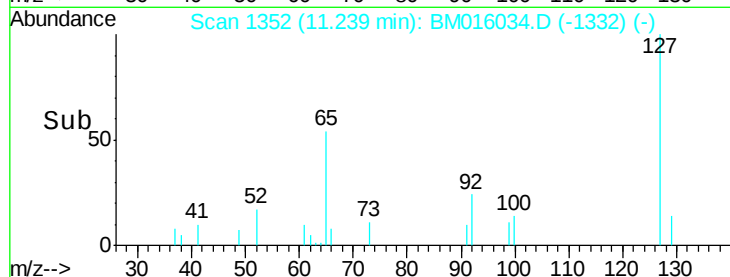
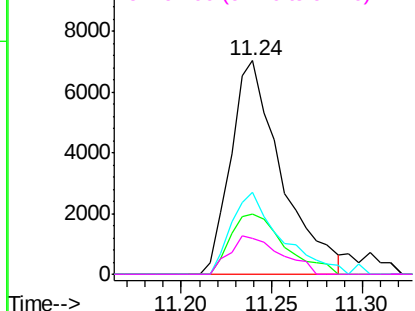
#33
4-Chloroaniline
Concen: 4.347 ng
RT: 11.24 min Scan# 1352
Delta R.T. 0.02 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

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

Tgt Ion:127 Resp: 13671
Ion Ratio Lower Upper
127 100
129 28.3 25.3 37.9
65 38.4 17.6 26.4#
92 16.8 13.1 19.7

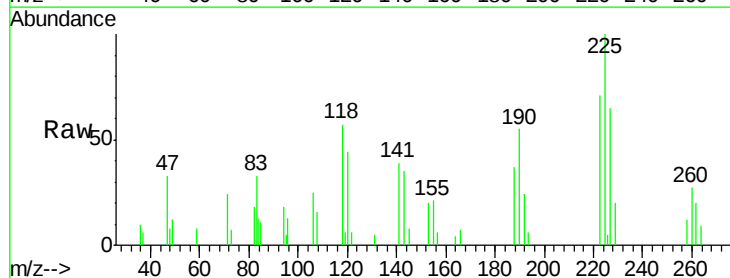


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

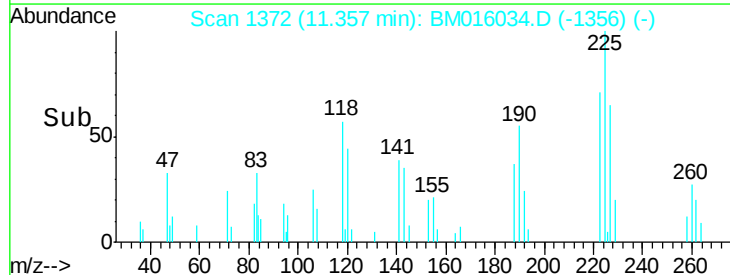
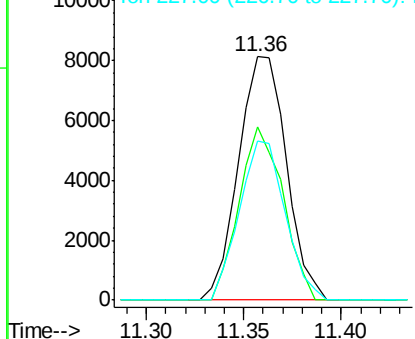


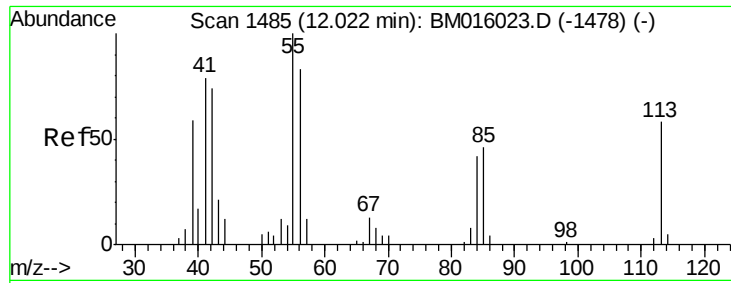
#34
Hexachlorobutadiene
Concen: 7.206 ng
RT: 11.36 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:225 Resp: 13832
Ion Ratio Lower Upper
225 100
223 68.2 47.9 71.9
227 62.4 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: 4.410 ng

RT: 12.01 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

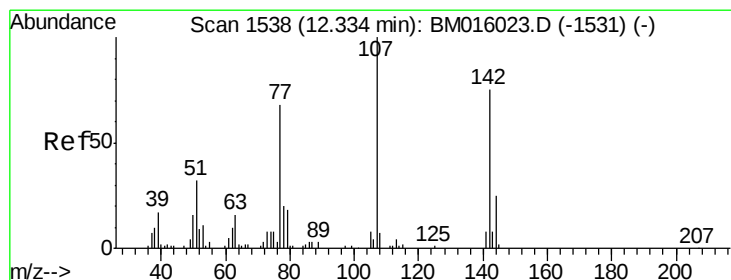
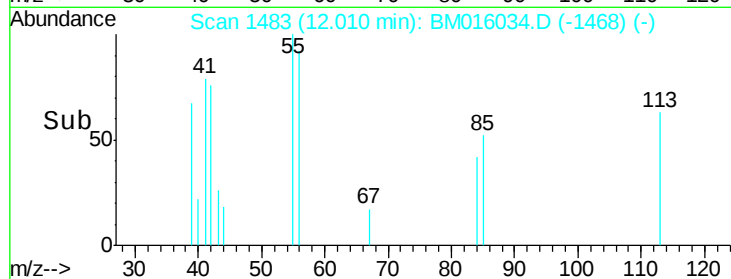
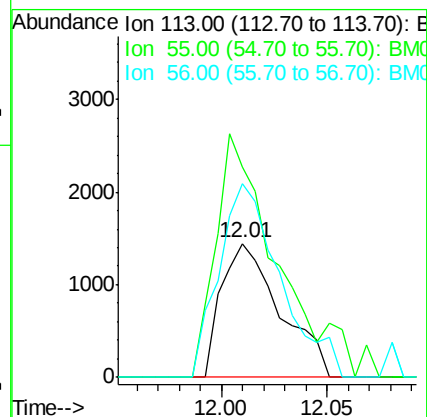
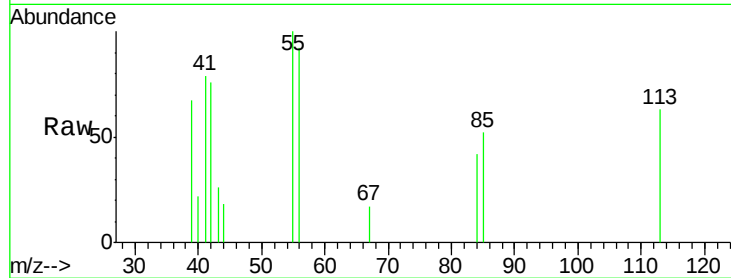
Tgt Ion:113 Resp: 2782

Ion Ratio Lower Upper

113 100

55 157.6 145.9 185.9

56 144.7 101.0 141.0#



#36

4-Chloro-3-methylphenol

Concen: 6.545 ng

RT: 12.34 min Scan# 1539

Delta R.T. 0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

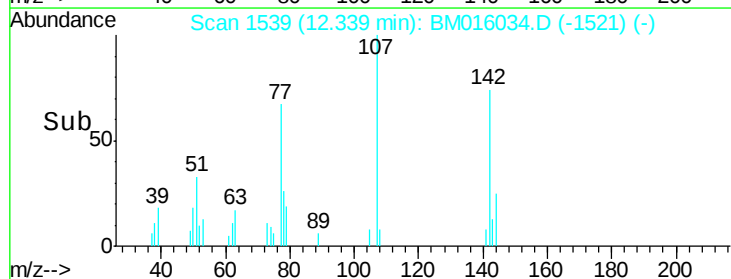
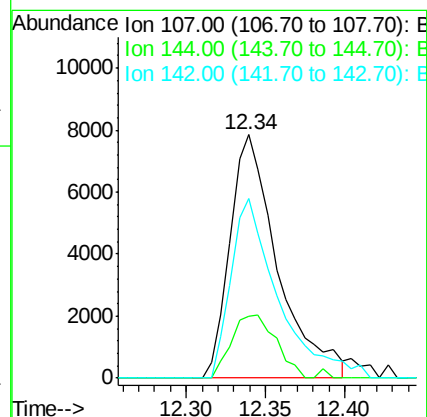
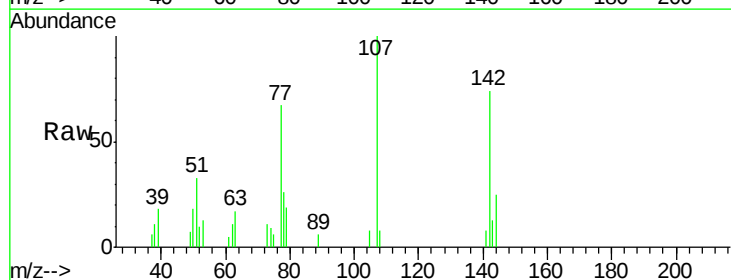
Tgt Ion:107 Resp: 16396

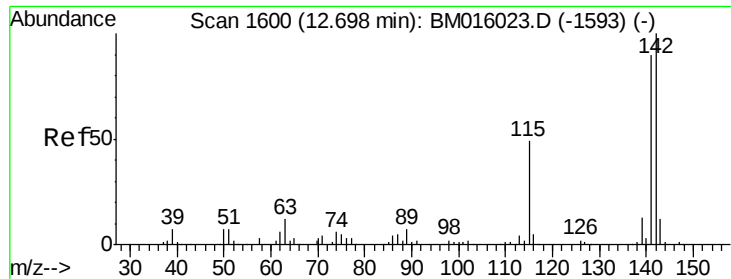
Ion Ratio Lower Upper

107 100

144 25.3 23.3 34.9

142 74.0 72.6 109.0

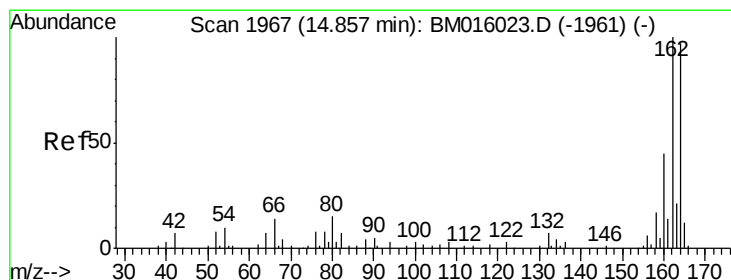
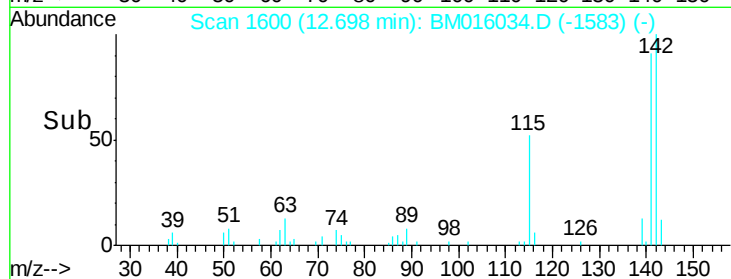
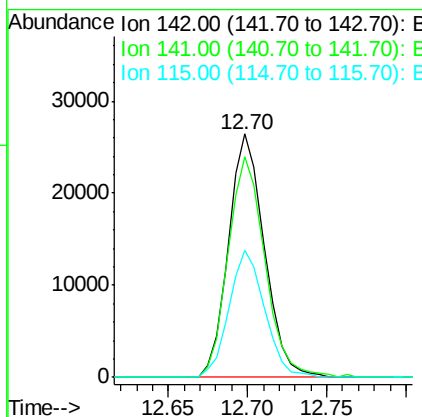
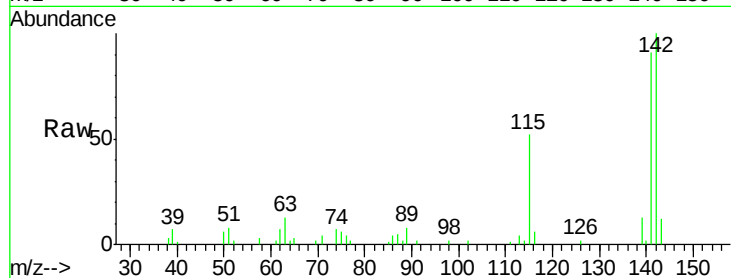




#37
 2-Methylnaphthalene
 Concen: 8.038 ng
 RT: 12.70 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

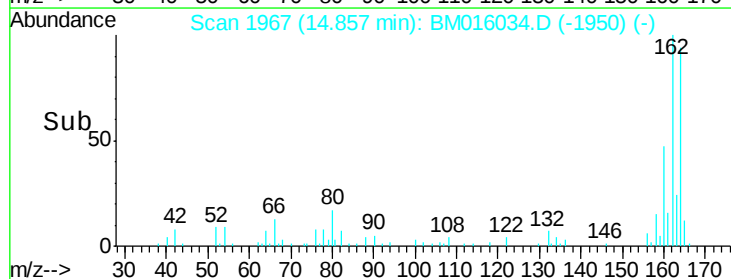
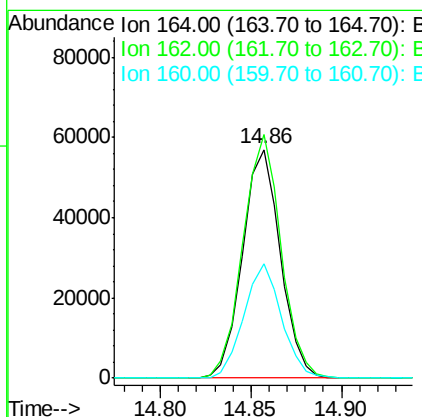
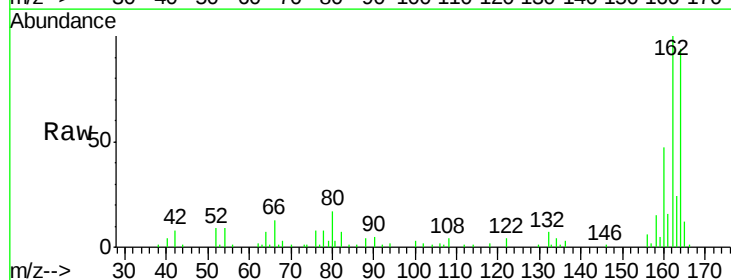
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

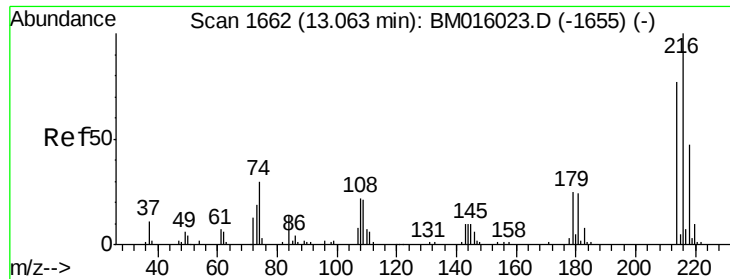
Tgt Ion:142 Resp: 41499
 Ion Ratio Lower Upper
 142 100
 141 90.7 71.9 107.9
 115 52.1 25.4 38.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.86 min Scan# 1967
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:164 Resp: 82582
 Ion Ratio Lower Upper
 164 100
 162 106.6 82.4 123.6
 160 50.0 35.8 53.6

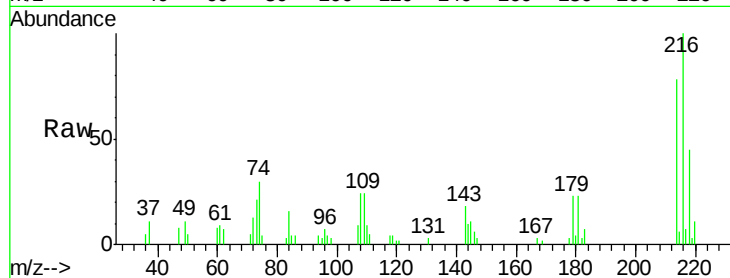




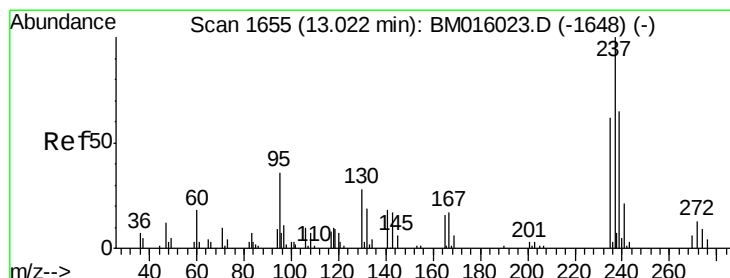
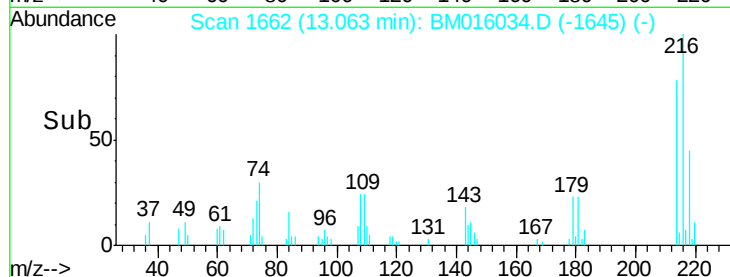
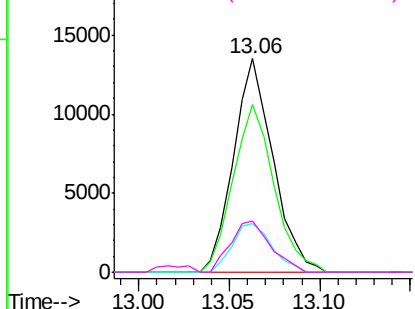
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 7.275 ng
 RT: 13.06 min Scan# 1662
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

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

Tgt Ion:	216	Resp:	20455
Ion	Ratio	Lower	Upper
216	100		
214	81.1	0.0	0.0#
179	22.7	0.0	0.0#
108	24.3	0.0	0.0#

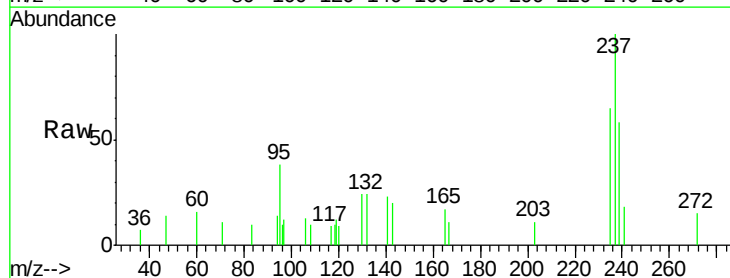


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

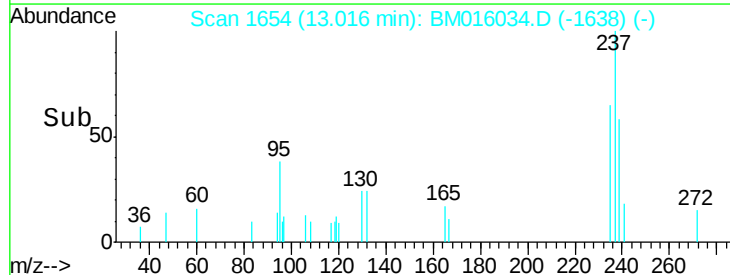
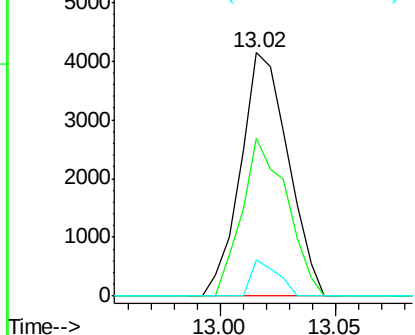


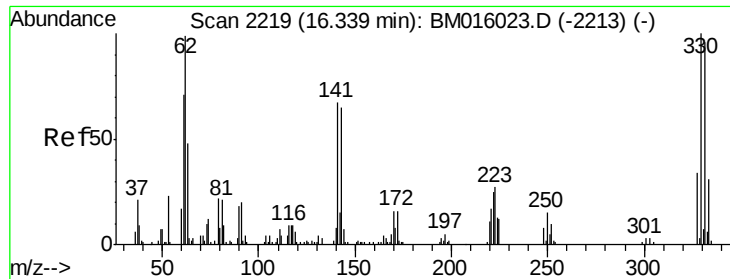
#40
 Hexachlorocyclopentadiene
 Concen: 11.564 ng
 RT: 13.02 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:	237	Resp:	5940
Ion	Ratio	Lower	Upper
237	100		
235	64.8	42.0	82.0
272	14.7	0.0	33.4



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

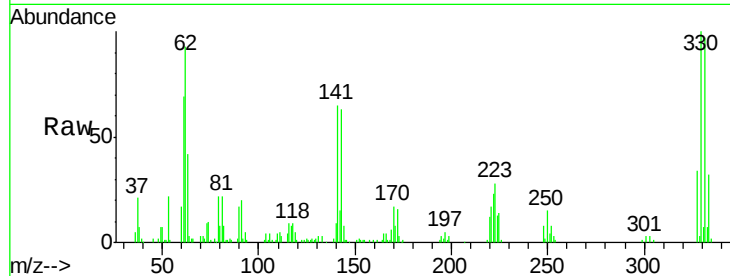




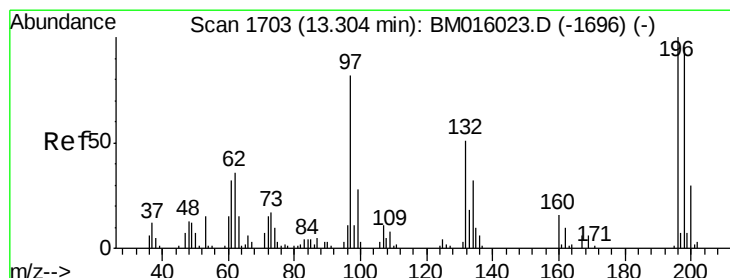
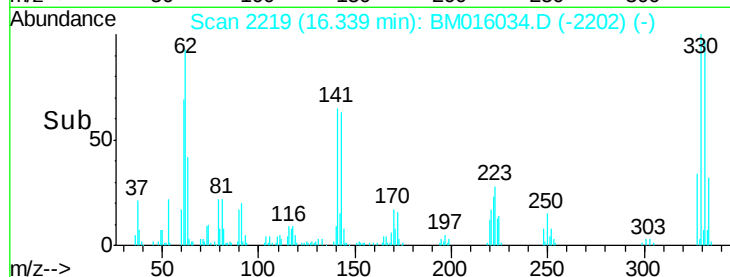
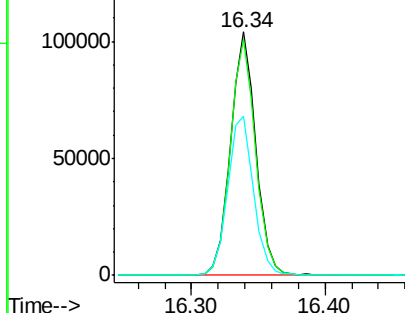
#41
 2,4,6-Tribromophenol
 Concen: 11.564 ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

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

Tgt Ion:330 Resp: 137543
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 67.3 0.0 0.0#

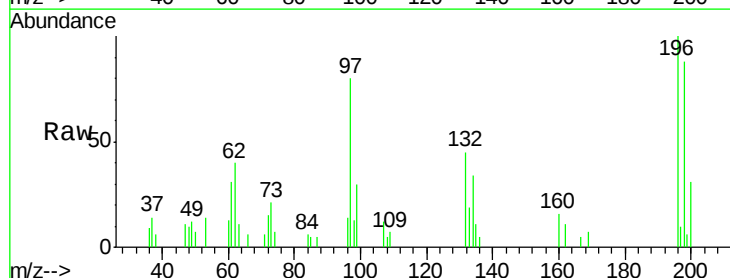


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

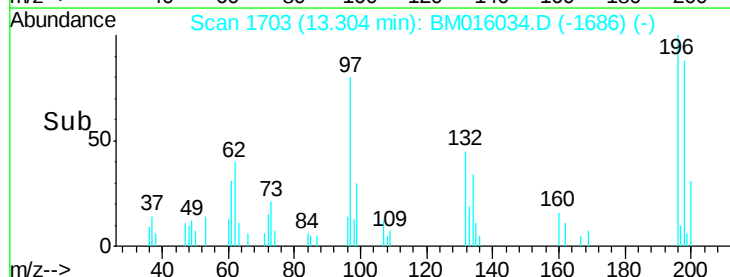
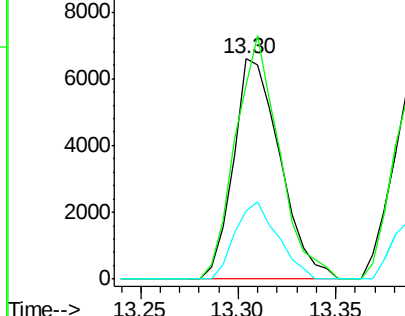


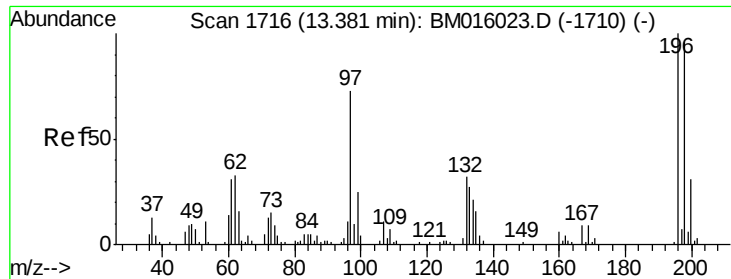
#42
 2,4,6-Trichlorophenol
 Concen: 6.217 ng
 RT: 13.30 min Scan# 1703
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:196 Resp: 10935
 Ion Ratio Lower Upper
 196 100
 198 87.7 76.3 114.5
 200 30.9 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: 6.642 ng

RT: 13.39 min Scan# 1718

Delta R.T. 0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:196 Resp: 12052

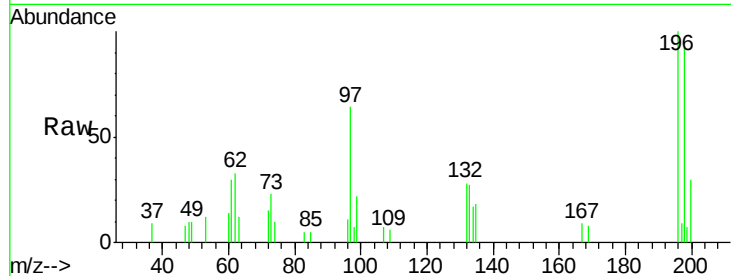
Ion Ratio Lower Upper

196 100

198 91.9 79.4 119.0

97 63.8 26.8 40.2#

132 27.6 18.6 28.0

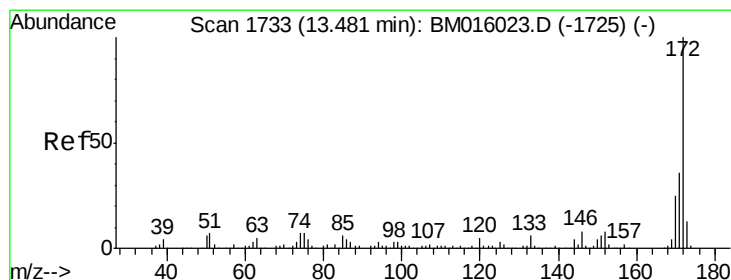
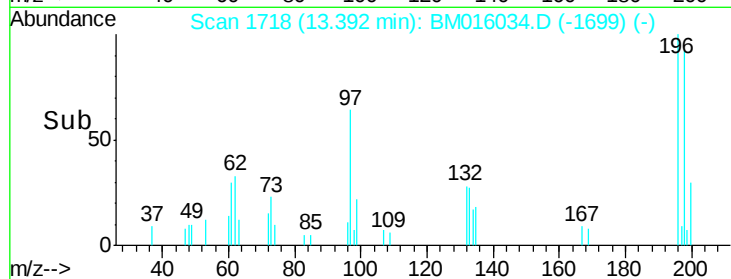
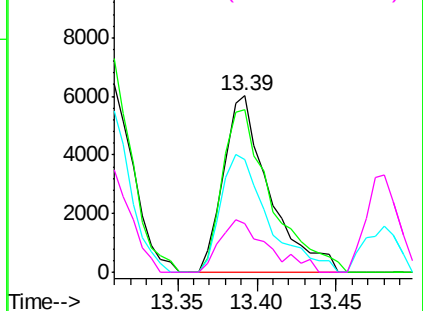


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): B

Ion 132.00 (131.70 to 132.70): E



#44

2-Fluorobiphenyl

Concen: 6.642 ng

RT: 13.48 min Scan# 1733

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

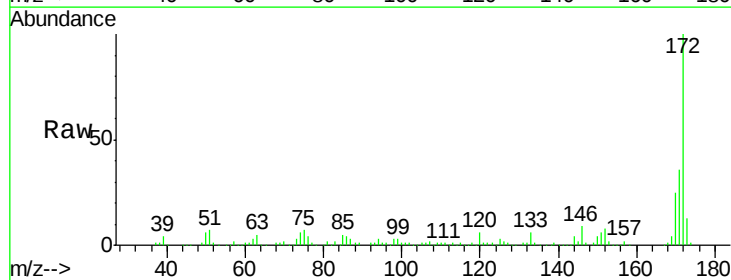
Tgt Ion:172 Resp: 596104

Ion Ratio Lower Upper

172 100

171 36.3 28.5 42.7

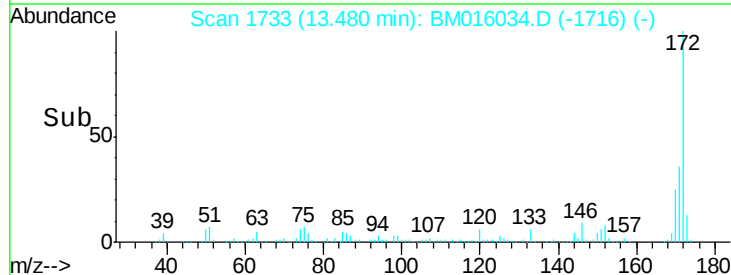
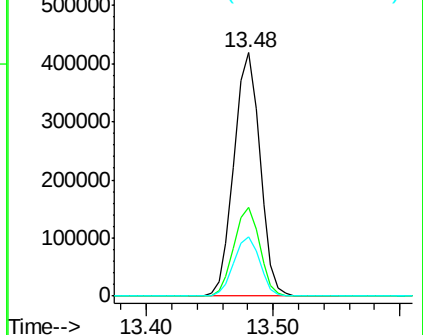
170 24.6 18.8 28.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

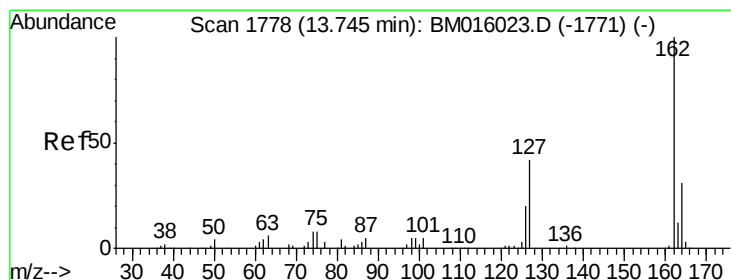
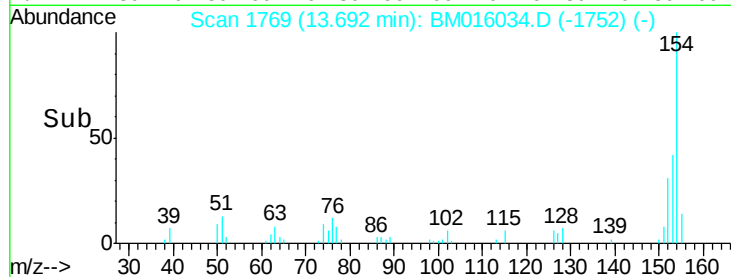
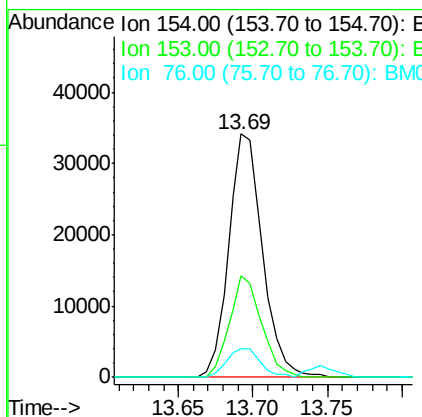
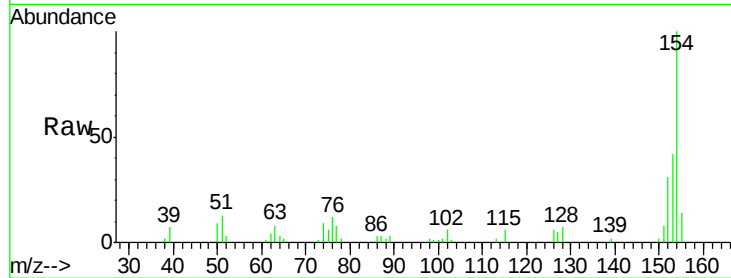




#45
 1,1'-Biphenyl
 Concen: 7.239 ng
 RT: 13.69 min Scan# 1769
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

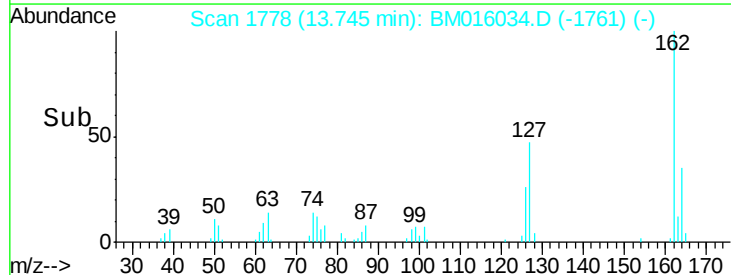
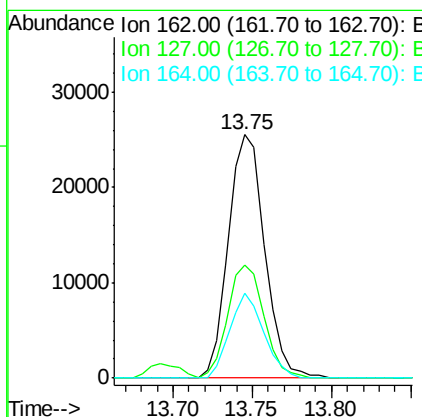
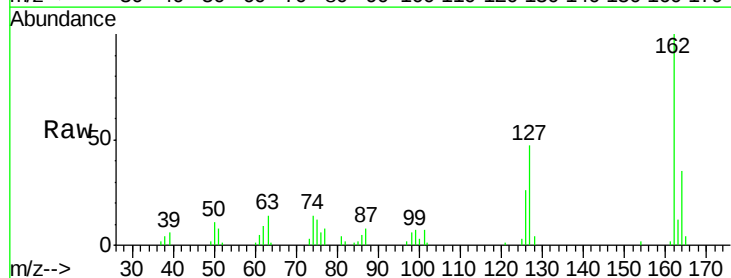
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

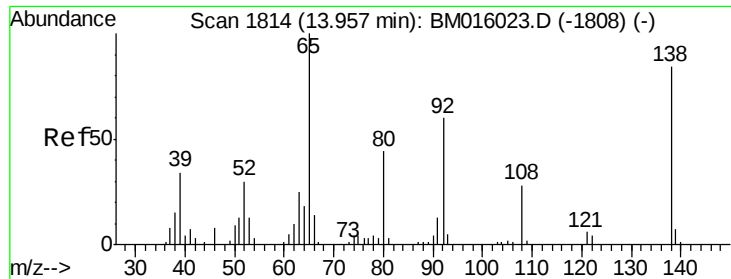
Tgt Ion:	154	Resp:	53950
Ion	Ratio	Lower	Upper
154	100		
153	41.9	20.7	60.7
76	11.5	0.0	30.9



#46
 2-Chloronaphthalene
 Concen: 7.001 ng
 RT: 13.75 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:	162	Resp:	40581
Ion	Ratio	Lower	Upper
162	100		
127	46.6	26.9	40.3#
164	34.9	26.8	40.2

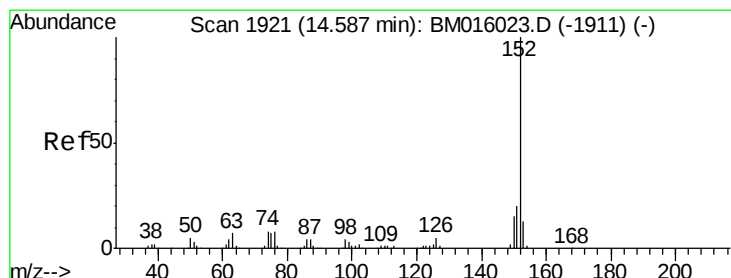
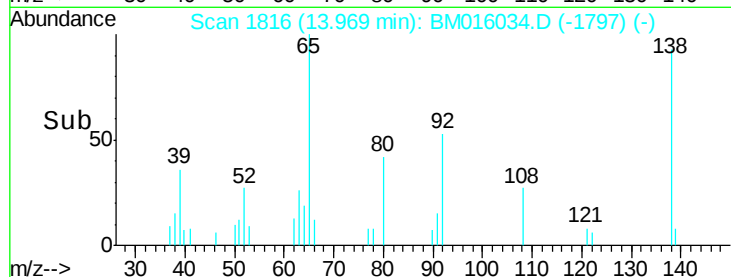
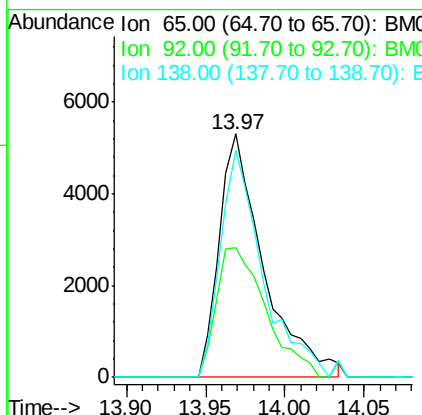
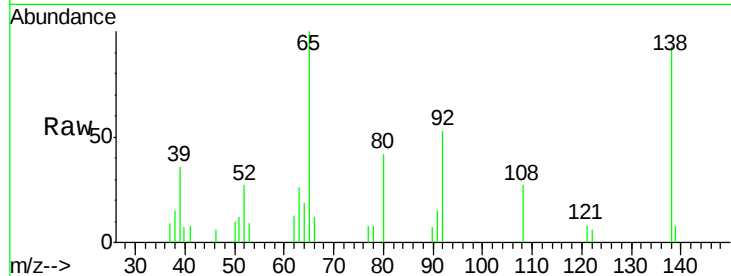




#47
 2-Nitroaniline
 Concen: 5.400 ng
 RT: 13.97 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

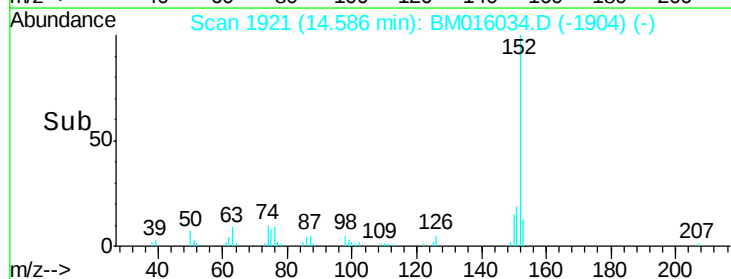
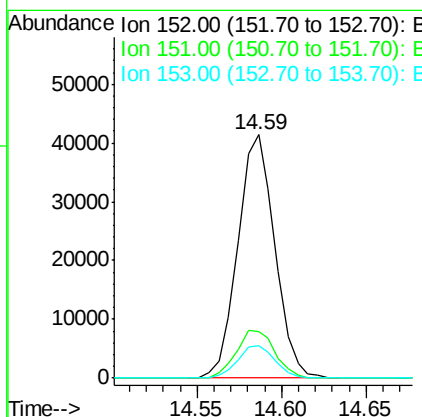
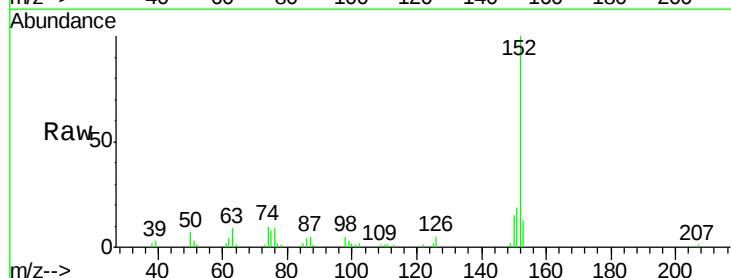
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

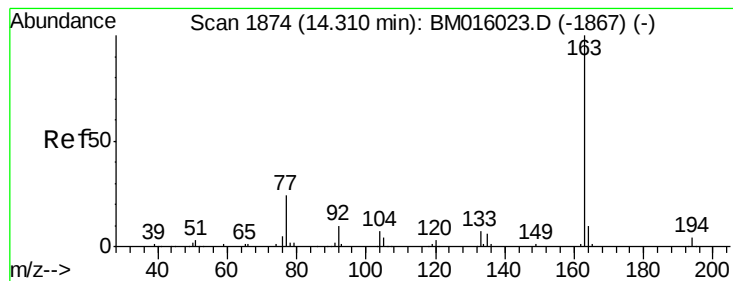
Tgt Ion: 65 Resp: 10348
 Ion Ratio Lower Upper
 65 100
 92 53.4 59.1 88.7#
 138 93.0 93.9 140.9#



#48
 Acenaphthylene
 Concen: 7.428 ng
 RT: 14.59 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion: 152 Resp: 63029
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.9 23.9
 153 13.3 10.6 16.0





#49

Dimethylphthalate

Concen: 7.232 ng

RT: 14.30 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

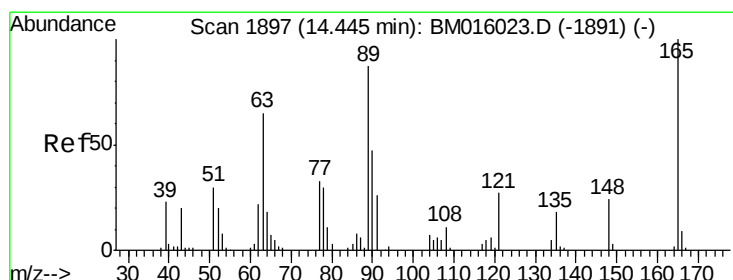
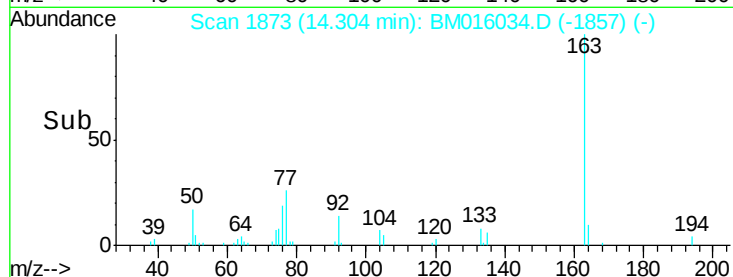
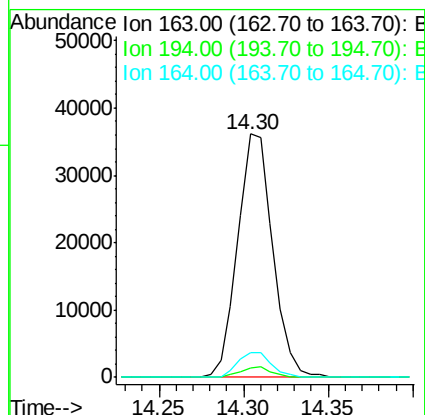
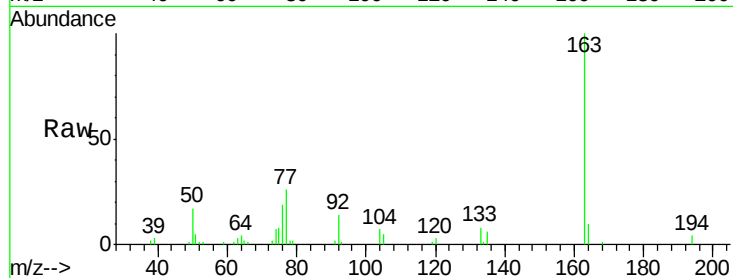
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:	163	Resp:	52266
Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.0	8.2	12.2



#50

2,6-Dinitrotoluene

Concen: 6.948 ng

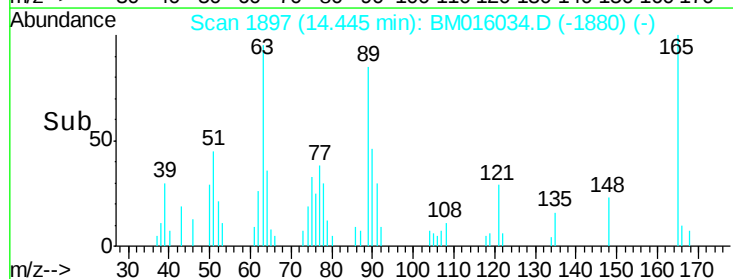
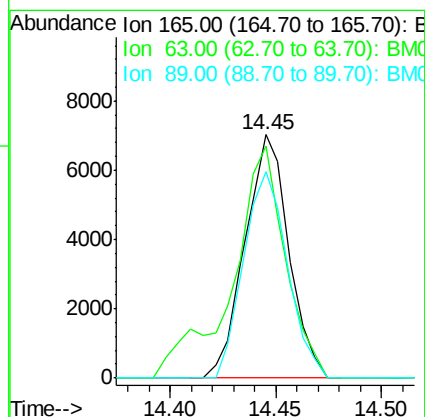
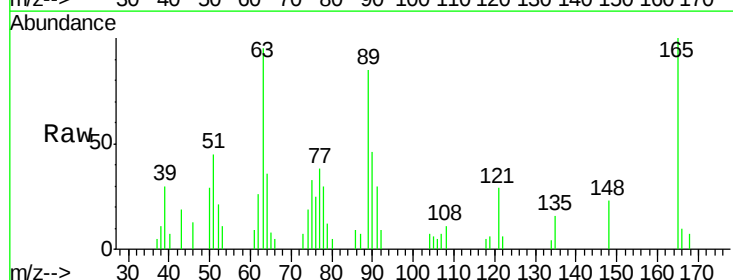
RT: 14.45 min Scan# 1897

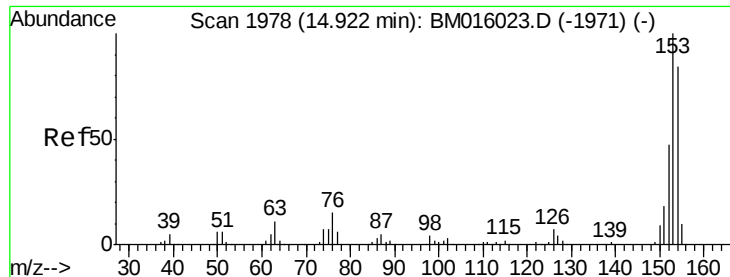
Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Tgt Ion:	165	Resp:	10103
Ion	Ratio	Lower	Upper
165	100		
63	95.3	44.1	66.1#
89	84.6	44.3	66.5#





#51

Acenaphthene

Concen: 7.388 ng

RT: 14.92 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

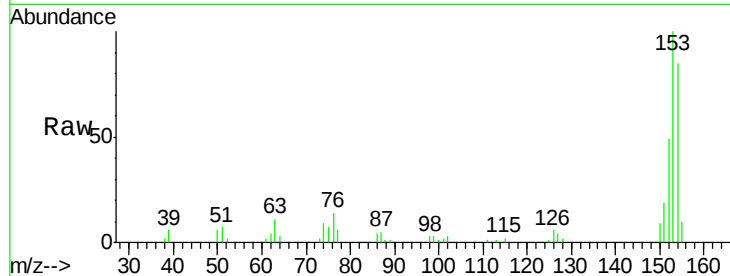
Tgt Ion:154 Resp: 38559

Ion Ratio Lower Upper

154 100

153 117.6 90.0 135.0

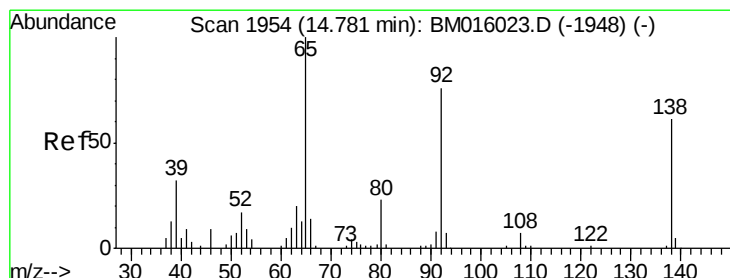
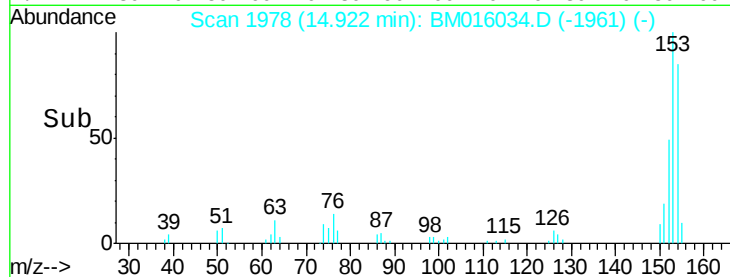
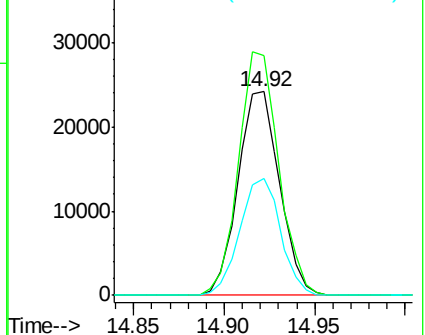
152 57.6 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 4.194 ng

RT: 14.80 min Scan# 1957

Delta R.T. 0.02 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

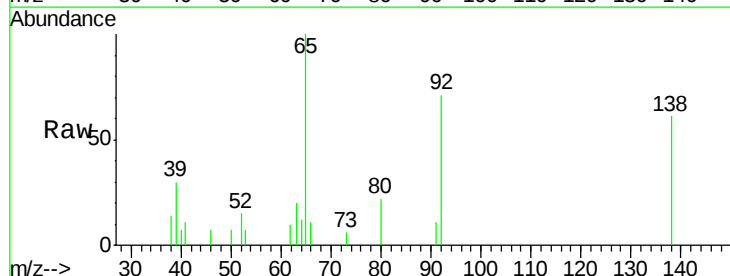
Tgt Ion:138 Resp: 6587

Ion Ratio Lower Upper

138 100

108 0.0 7.3 10.9#

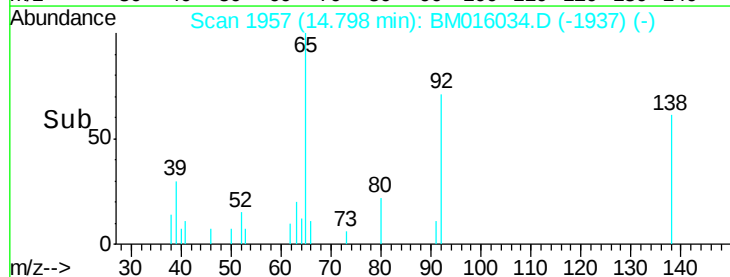
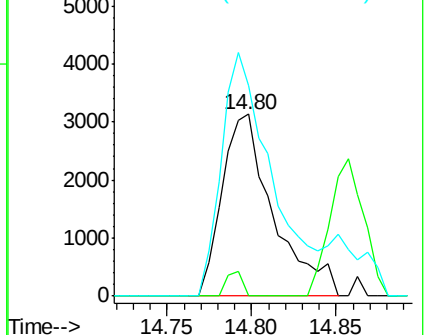
92 115.5 76.6 114.8#

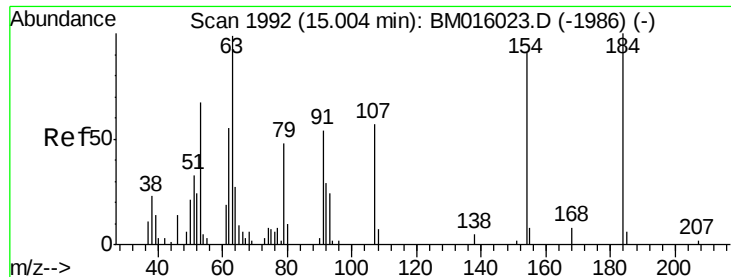


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM

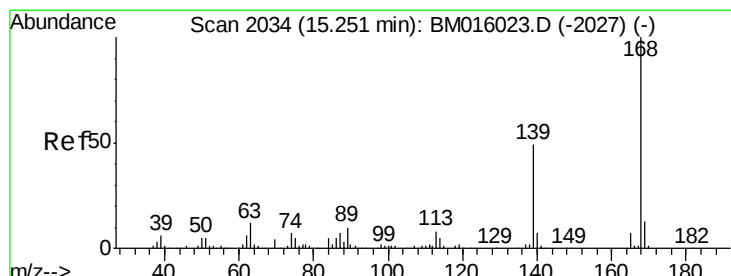
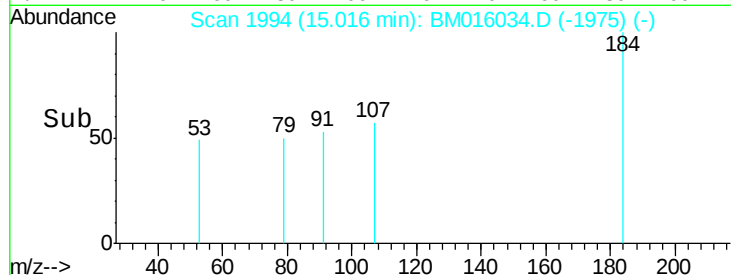
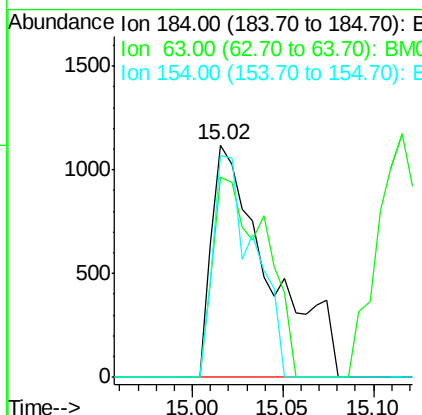
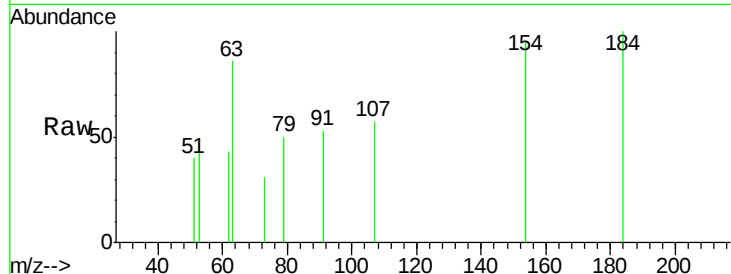




#53
2,4-Dinitrophenol
Concen: 9.796 ng
RT: 15.02 min Scan# 1994
Delta R.T. 0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

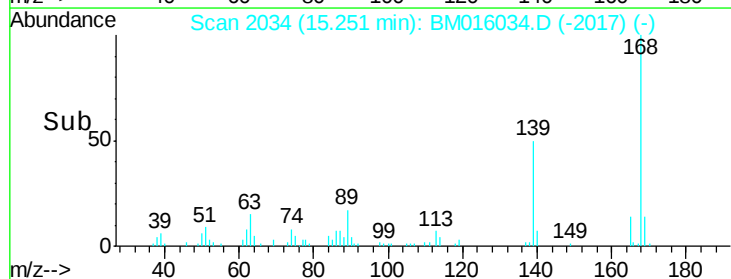
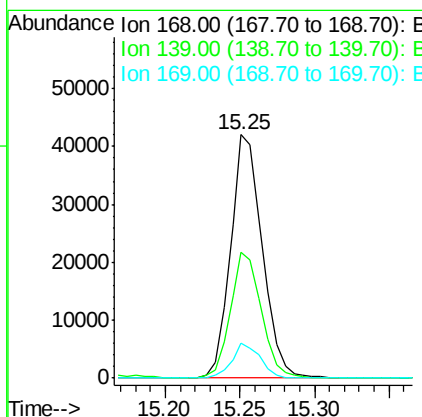
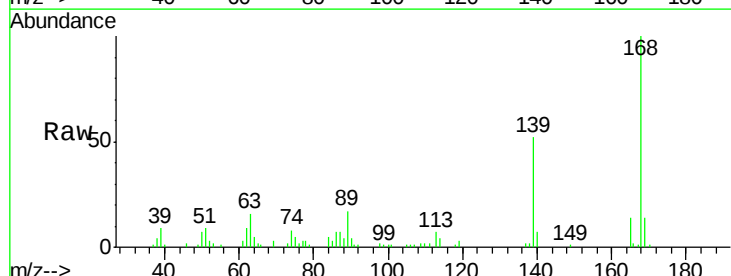
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

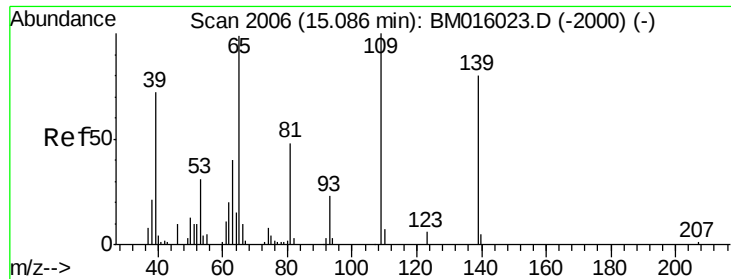
Tgt Ion:184 Resp: 2486
Ion Ratio Lower Upper
184 100
63 86.2 69.2 103.8
154 95.2 53.3 79.9#



#54
Dibenzofuran
Concen: 7.244 ng
RT: 15.25 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:168 Resp: 62301
Ion Ratio Lower Upper
168 100
139 51.5 27.3 40.9#
169 14.3 10.6 16.0

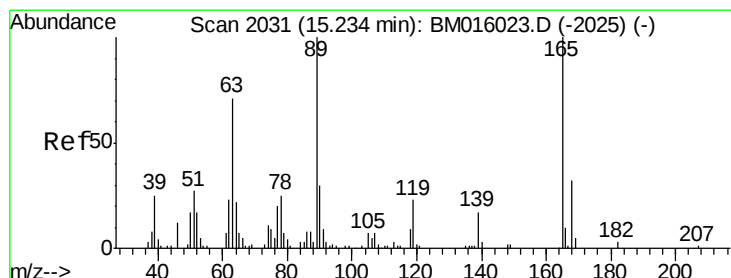
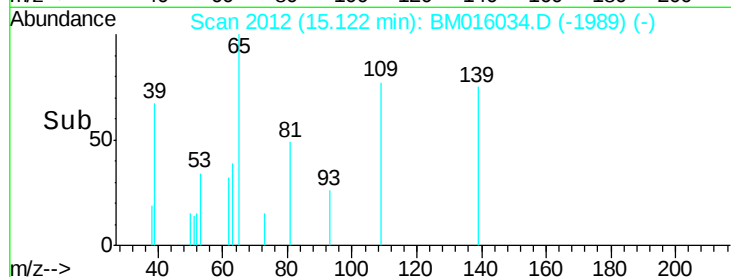
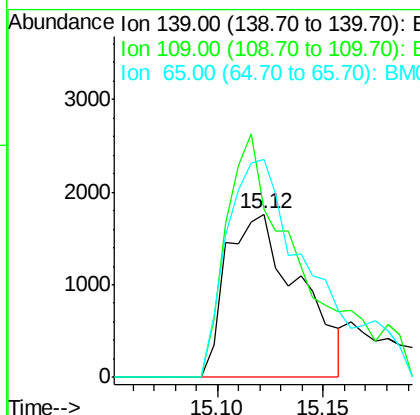
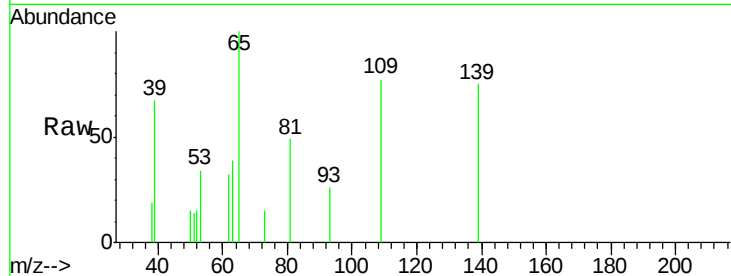




#55
4-Nitrophenol
Concen: 3.765 ng
RT: 15.12 min Scan# 2012
Delta R.T. 0.04 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

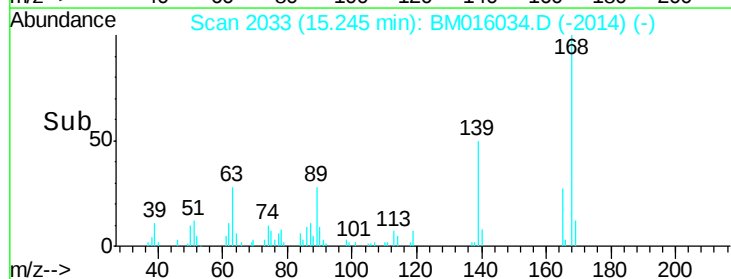
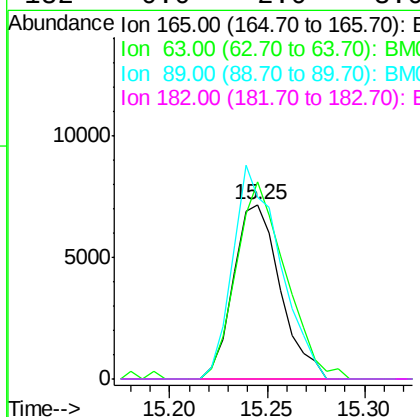
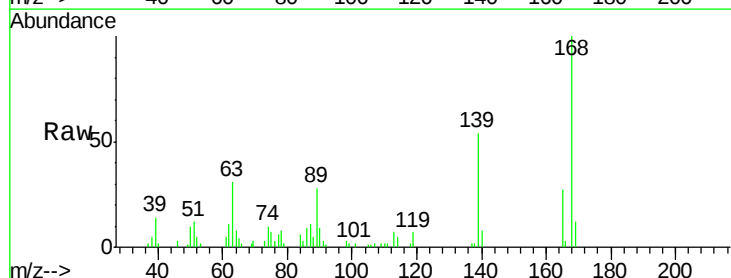
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

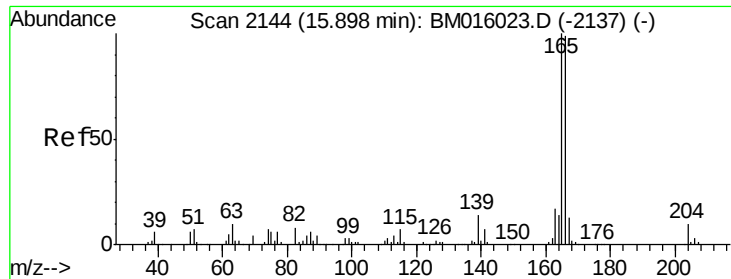
Tgt Ion:139 Resp: 4239
Ion Ratio Lower Upper
139 100
109 102.9 130.0 170.0#
65 133.2 130.0 170.0



#56
2,4-Dinitrotoluene
Concen: 5.755 ng
RT: 15.25 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:165 Resp: 11966
Ion Ratio Lower Upper
165 100
63 113.4 52.4 78.6#
89 104.6 72.4 108.6
182 0.0 2.0 3.0#

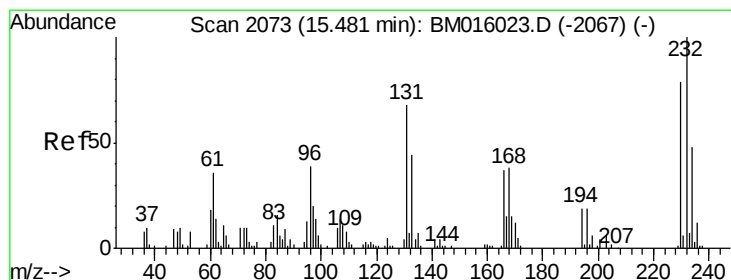
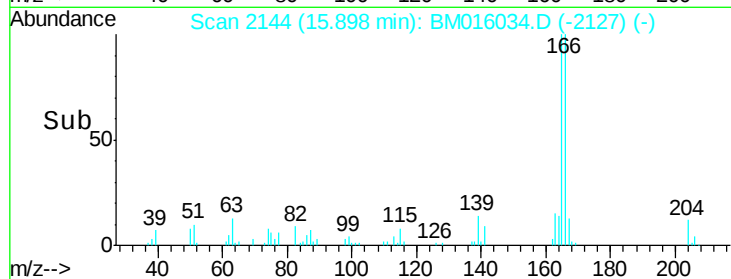
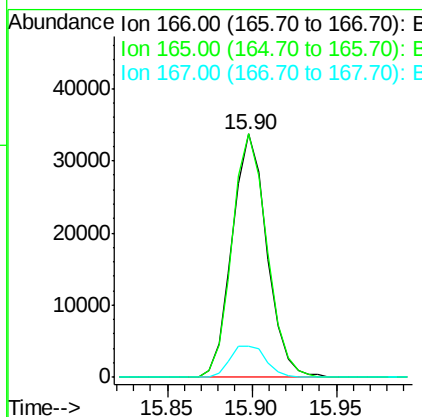
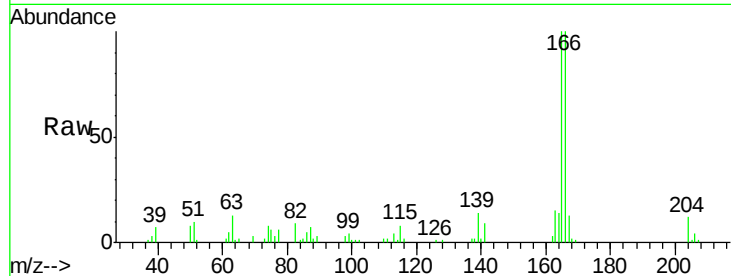




#57
 Fluorene
 Concen: 7.547 ng
 RT: 15.90 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

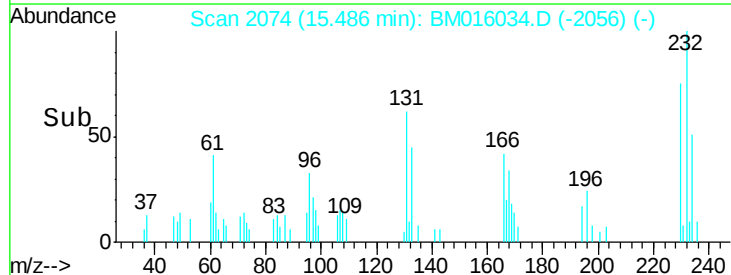
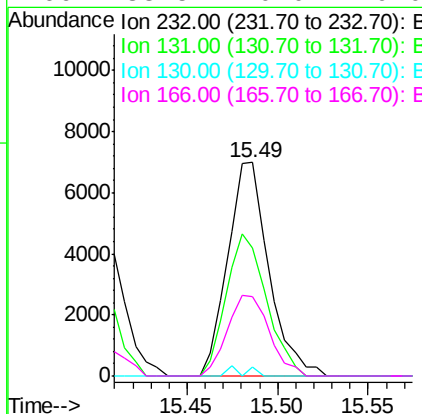
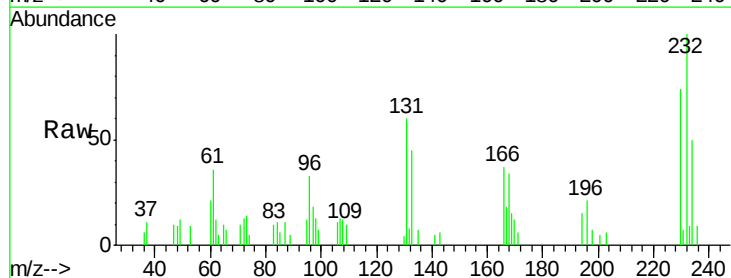
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

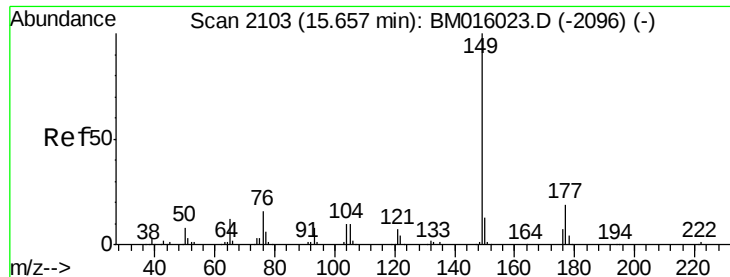
Tgt Ion:166 Resp: 48235
 Ion Ratio Lower Upper
 166 100
 165 99.8 79.0 118.4
 167 13.0 10.3 15.5



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 7.098 ng
 RT: 15.49 min Scan# 2074
 Delta R.T. 0.01 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:232 Resp: 11069
 Ion Ratio Lower Upper
 232 100
 131 64.7 0.0 0.0#
 130 2.0 0.0 0.0#
 166 38.5 0.0 0.0#

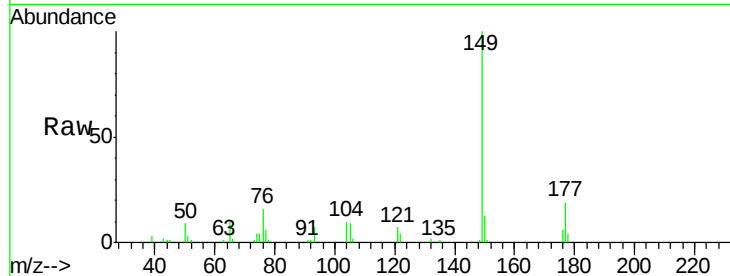




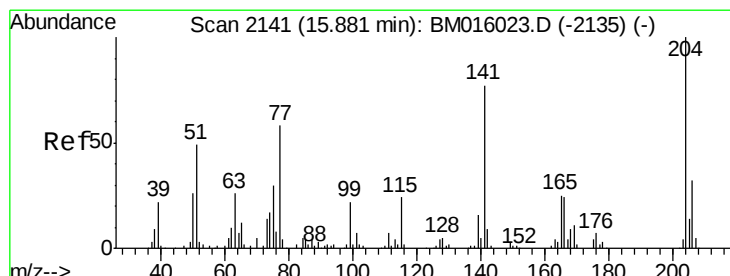
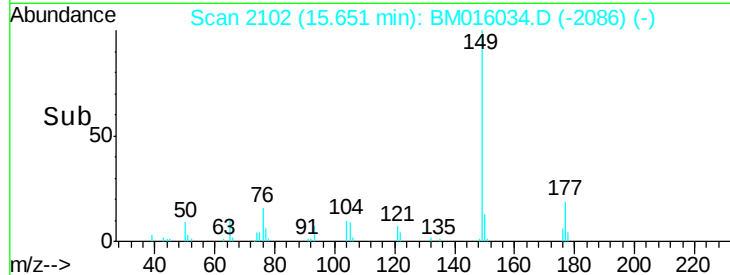
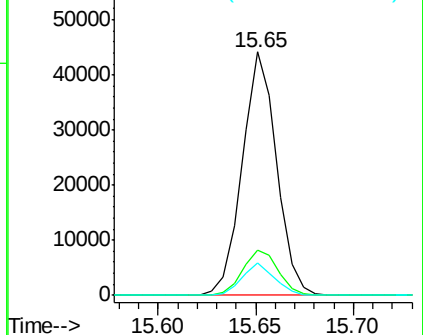
#59
Diethylphthalate
Concen: 6.913 ng
RT: 15.65 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

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

Tgt Ion:149 Resp: 53854
Ion Ratio Lower Upper
149 100
177 18.6 18.3 27.5
150 13.1 9.8 14.8

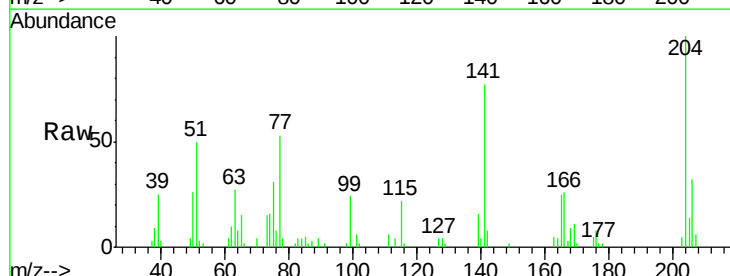


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

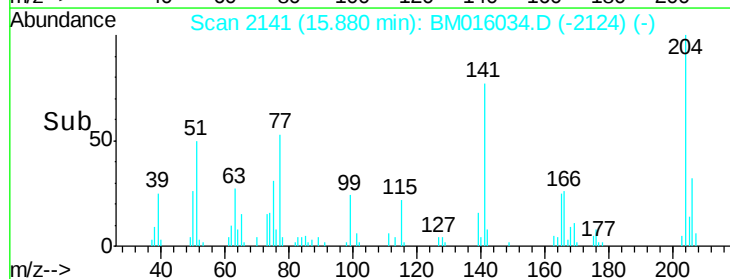
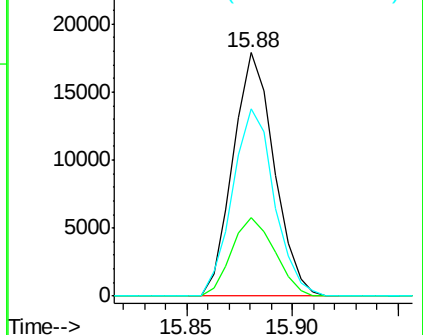


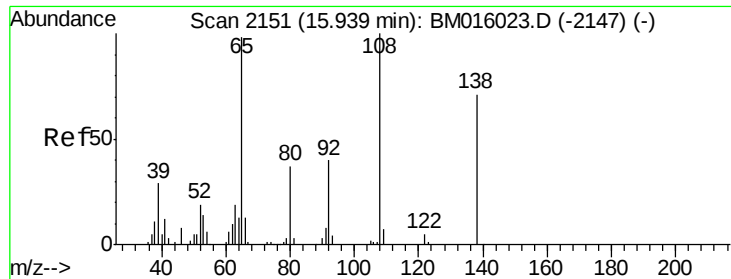
#60
4-Chlorophenyl-phenylether
Concen: 6.788 ng
RT: 15.88 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:204 Resp: 24150
Ion Ratio Lower Upper
204 100
206 32.3 26.6 39.8
141 76.7 45.2 67.8#



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

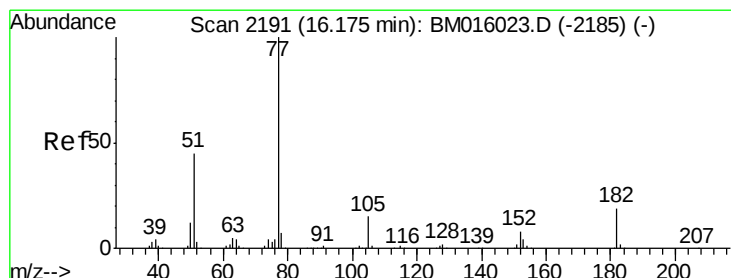
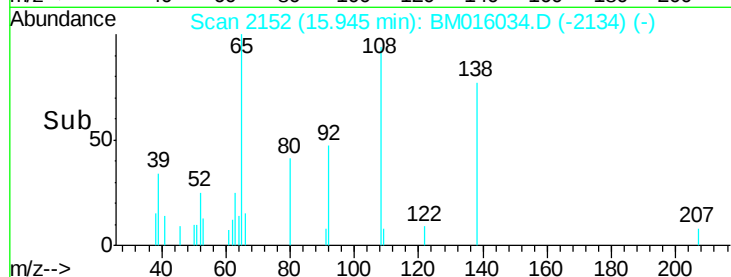
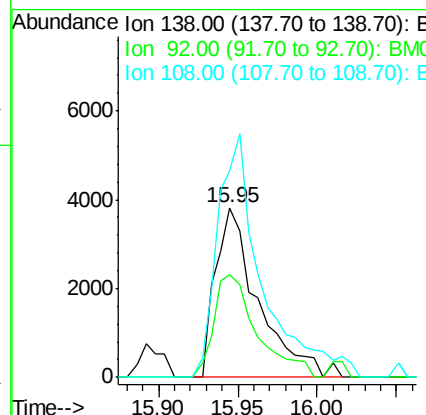
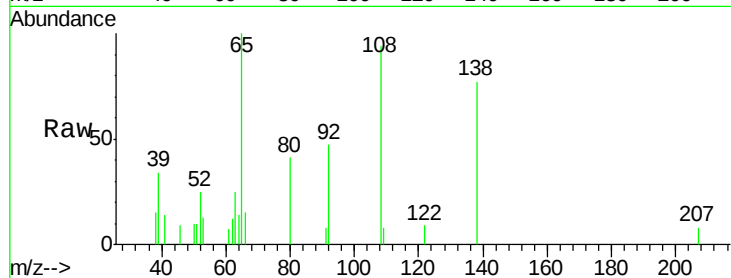




#61
4-Nitroaniline
Concen: 4.777 ng
RT: 15.95 min Scan# 2152
Delta R.T. 0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

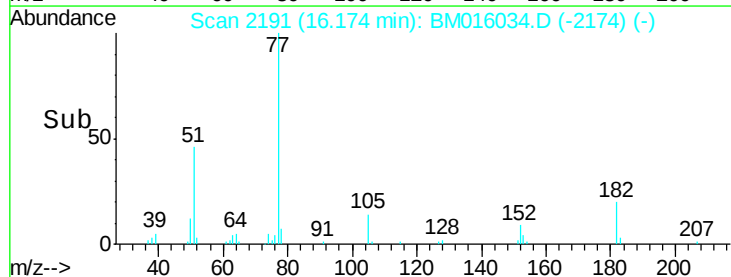
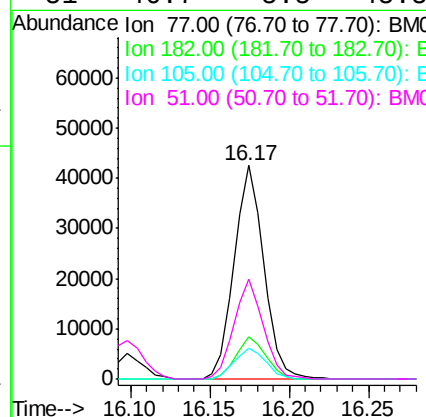
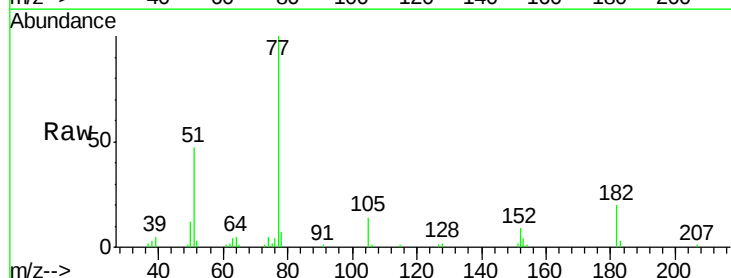
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

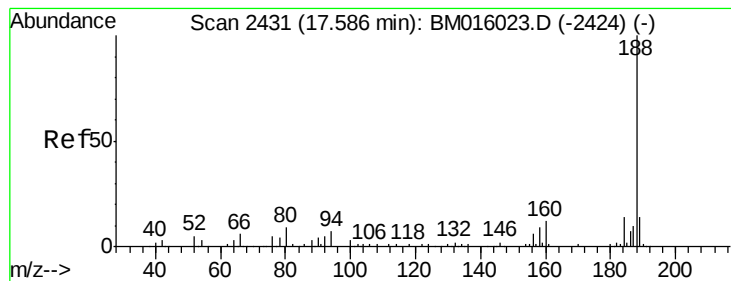
Tgt Ion: 138 Resp: 7198
Ion Ratio Lower Upper
138 100
92 60.5 16.7 56.7#
108 121.8 37.6 77.6#



#62
Azobenzene
Concen: 6.759 ng
RT: 16.17 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion: 77 Resp: 55448
Ion Ratio Lower Upper
77 100
182 19.7 6.5 46.5
105 14.1 3.8 43.8
51 46.7 5.5 45.5#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.59 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

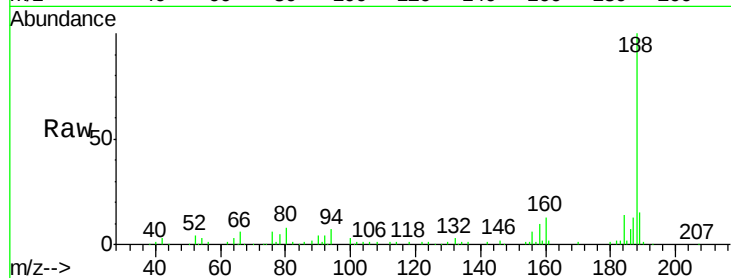
Tgt Ion:188 Resp: 176220

Ion Ratio Lower Upper

188 100

94 7.0 8.7 13.1#

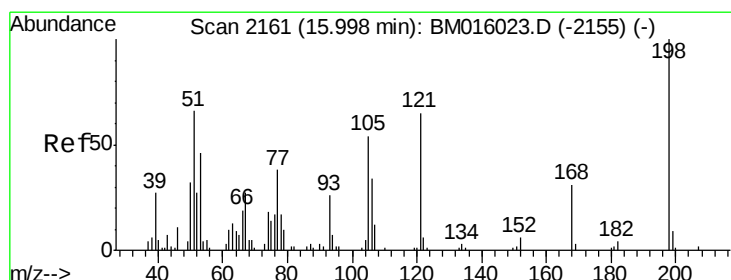
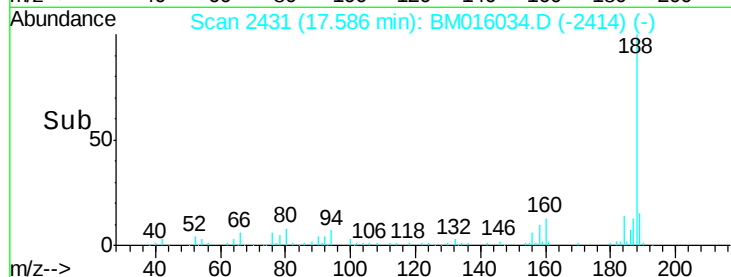
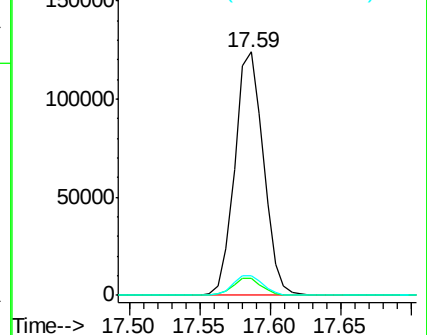
80 8.0 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#64

4,6-Dinitro-2-methylphenol

Concen: 4.624 ng

RT: 16.00 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

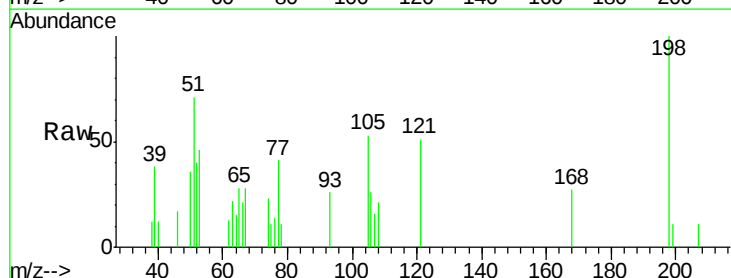
Tgt Ion:198 Resp: 4946

Ion Ratio Lower Upper

198 100

51 70.6 28.8 68.8#

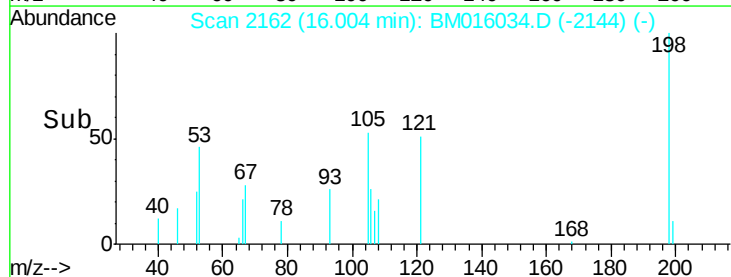
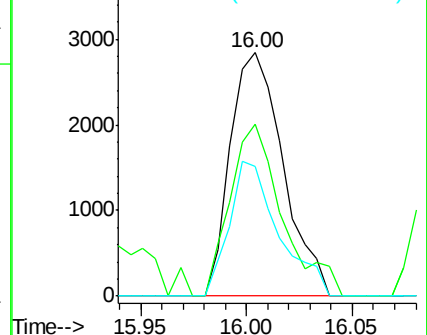
105 53.3 30.5 70.5

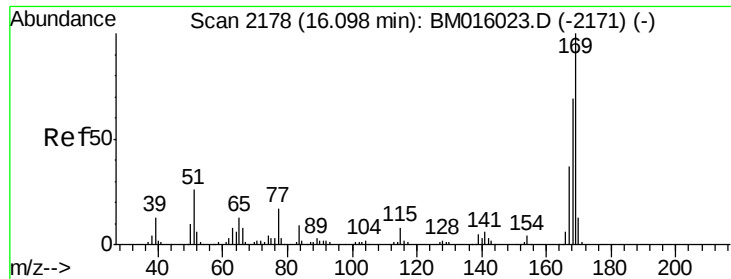


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E

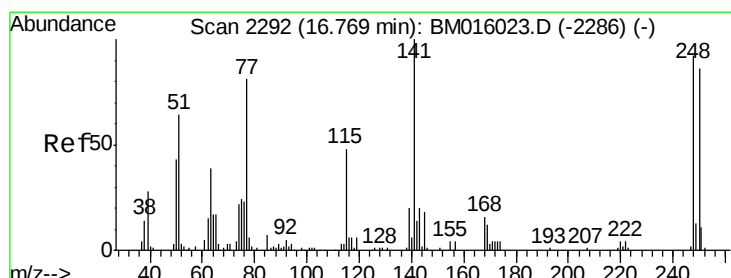
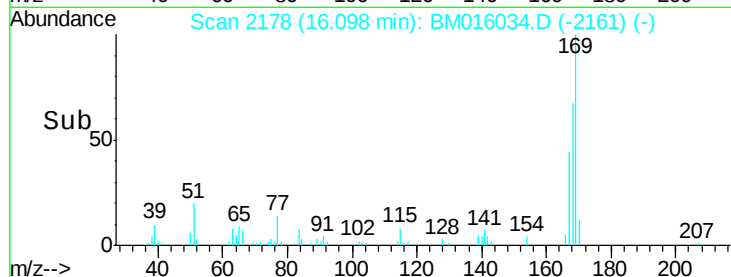
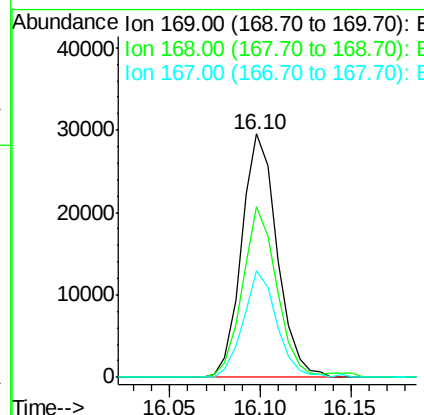
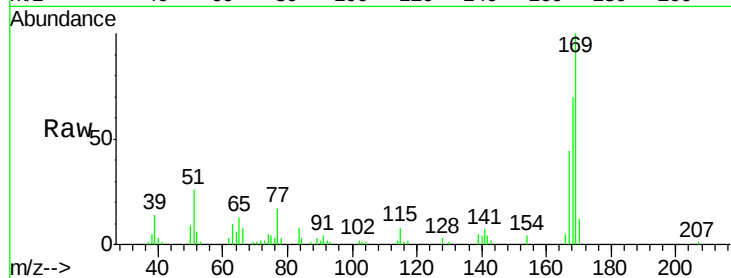




#65
 n-Nitrosodiphenylamine
 Concen: 6.916 ng
 RT: 16.10 min Scan# 2178
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

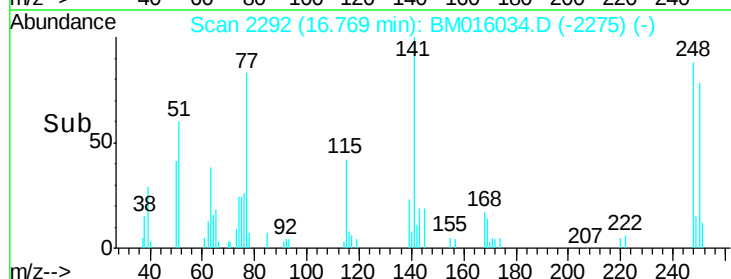
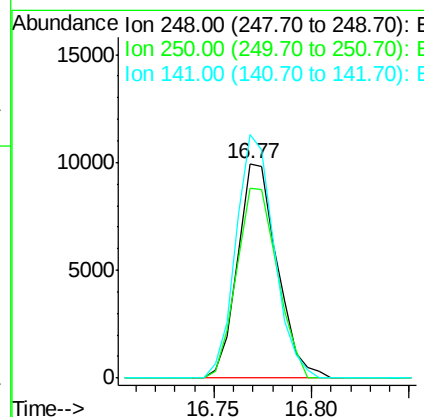
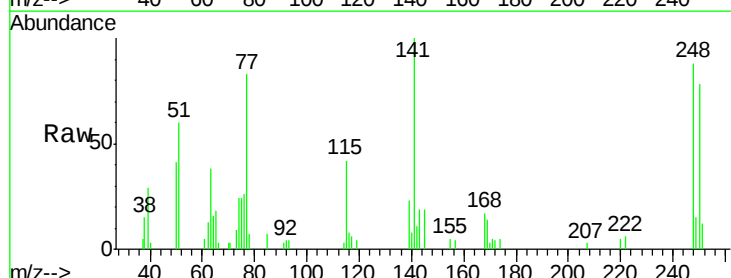
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

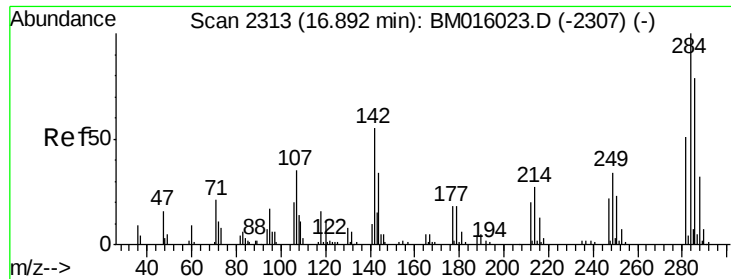
Tgt Ion:169 Resp: 40133
 Ion Ratio Lower Upper
 169 100
 168 70.2 53.9 80.9
 167 43.6 28.9 43.3#



#66
 4-Bromophenyl-phenylether
 Concen: 7.024 ng
 RT: 16.77 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:248 Resp: 14015
 Ion Ratio Lower Upper
 248 100
 250 88.5 77.4 116.0
 141 113.6 45.2 67.8#

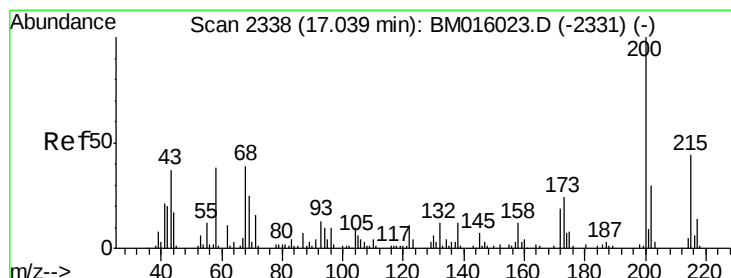
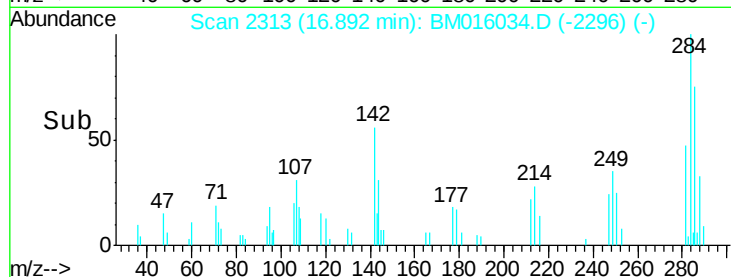
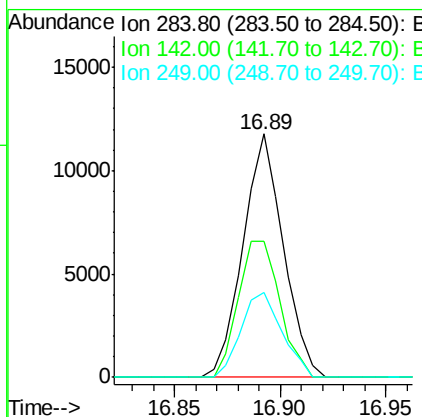
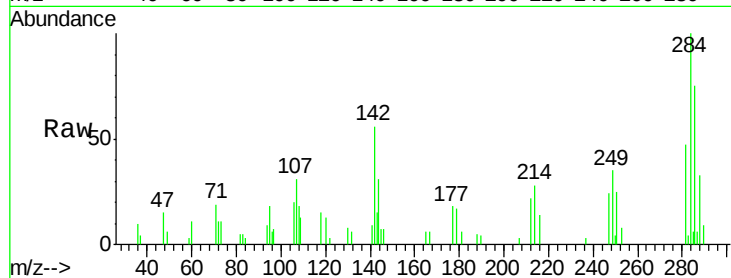




#67
Hexachlorobenzene
Concen: 7.116 ng
RT: 16.89 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

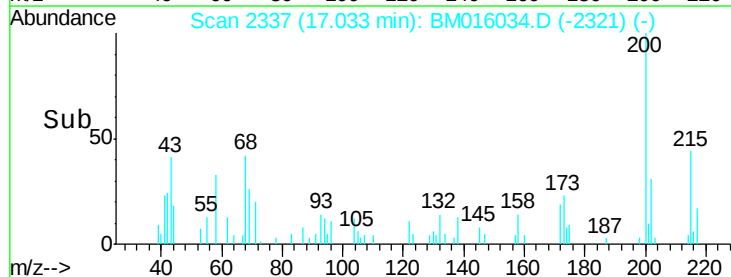
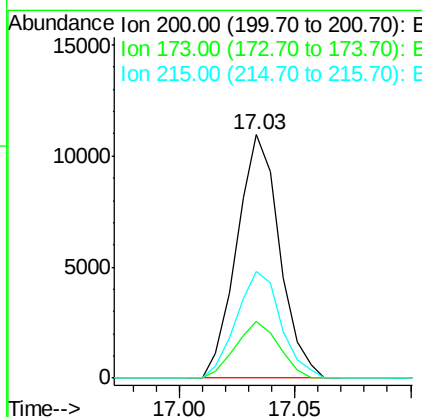
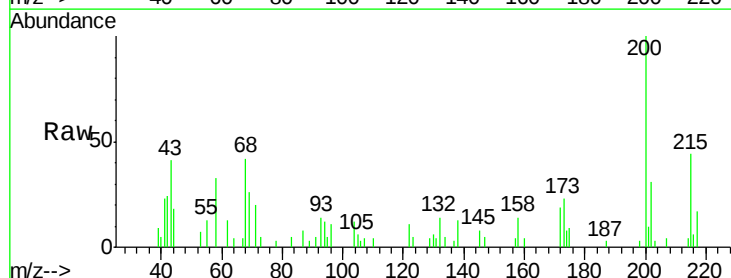
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

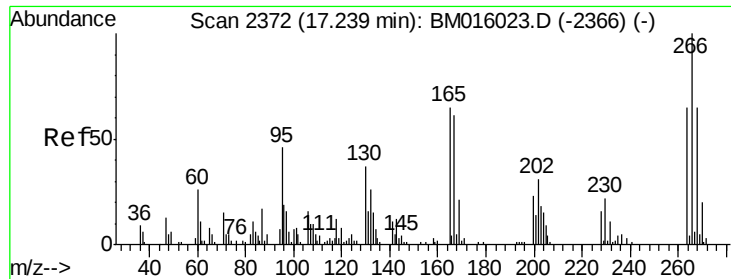
Tgt Ion: 284 Resp: 15637
Ion Ratio Lower Upper
284 100
142 55.9 20.4 30.6#
249 34.8 23.8 35.6



#68
Atrazine
Concen: 6.812 ng
RT: 17.03 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion: 200 Resp: 14167
Ion Ratio Lower Upper
200 100
173 23.2 4.8 44.8
215 43.9 26.9 66.9

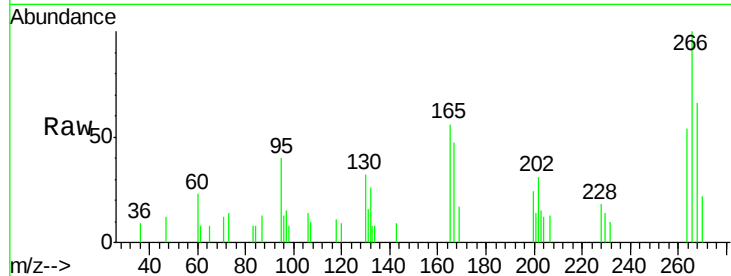




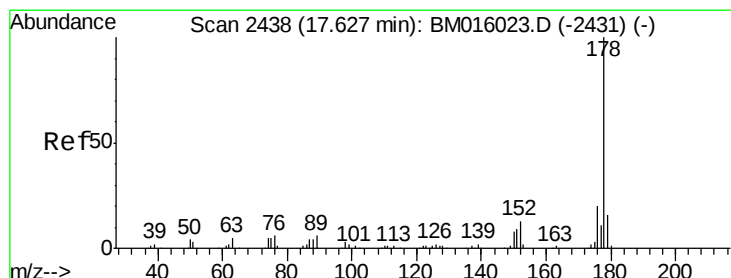
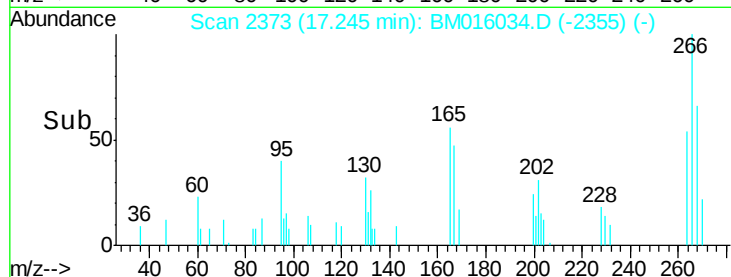
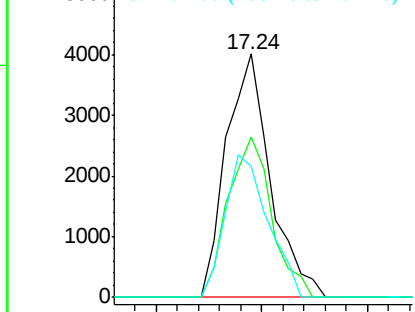
#69
 Pentachlorophenol
 Concen: 4.251 ng
 RT: 17.24 min Scan# 2373
 Delta R.T. 0.01 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

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

Tgt Ion:266 Resp: 5784
 Ion Ratio Lower Upper
 266 100
 268 66.1 52.0 78.0
 264 53.6 49.0 73.4

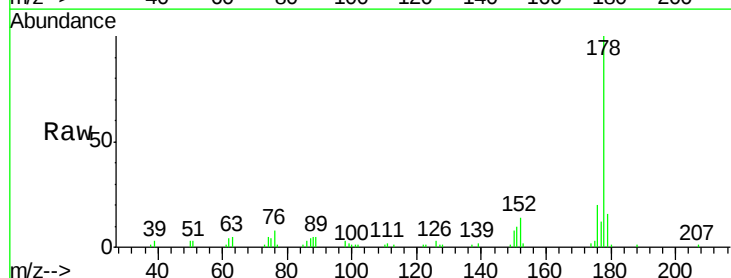


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

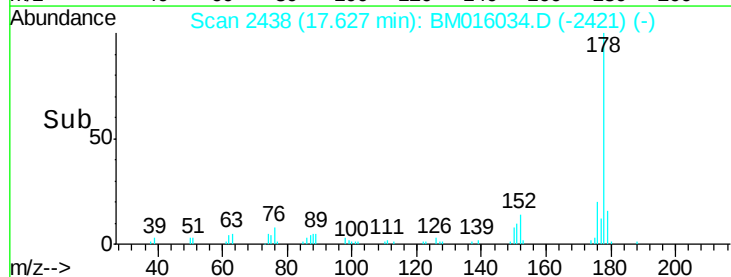
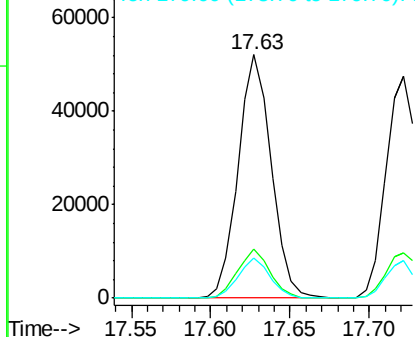


#70
 Phenanthrene
 Concen: 7.656 ng
 RT: 17.63 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:178 Resp: 75530
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.2 22.8
 179 16.3 12.1 18.1



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





#71

Anthracene

Concen: 7.604 ng

RT: 17.72 min Scan# 2454

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

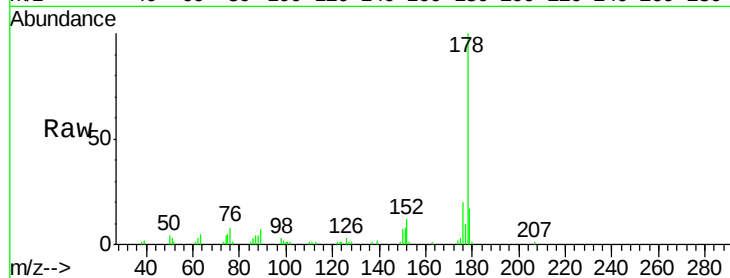
Tgt Ion:178 Resp: 72908

Ion Ratio Lower Upper

178 100

176 20.5 14.6 22.0

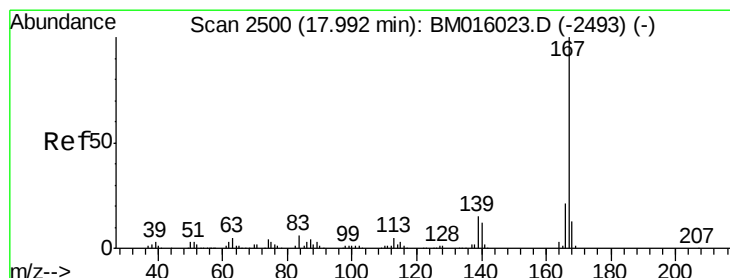
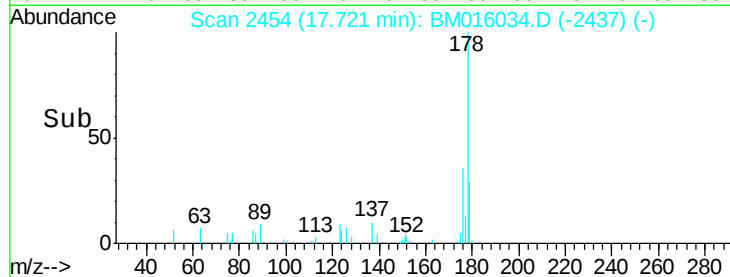
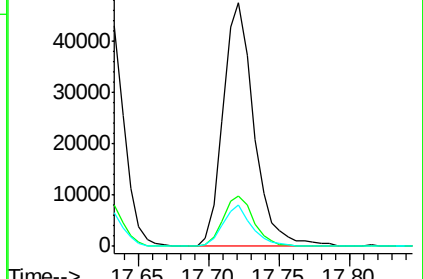
179 17.1 12.6 19.0



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



#72

Carbazole

Concen: 6.606 ng

RT: 17.99 min Scan# 2500

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

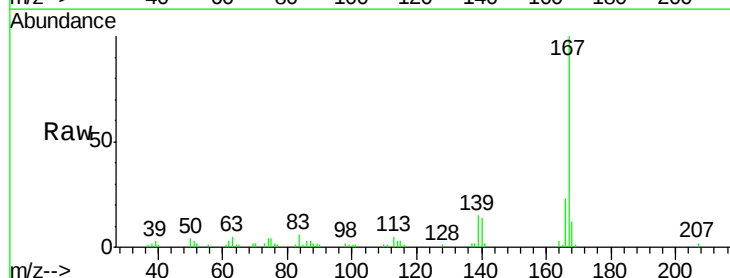
Tgt Ion:167 Resp: 65620

Ion Ratio Lower Upper

167 100

166 22.9 17.2 25.8

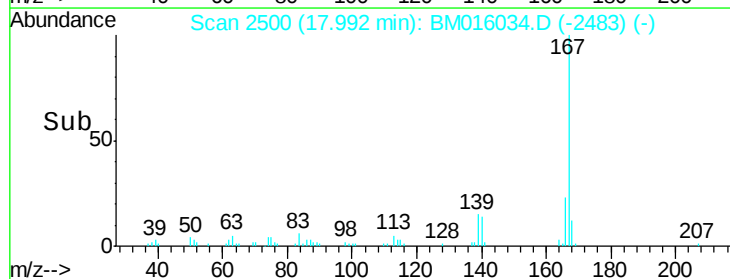
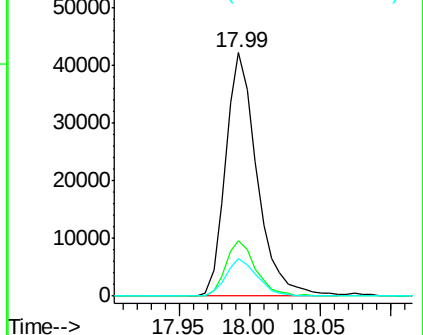
139 15.5 10.8 16.2

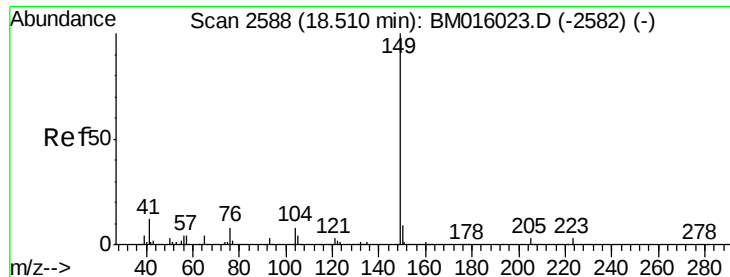


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

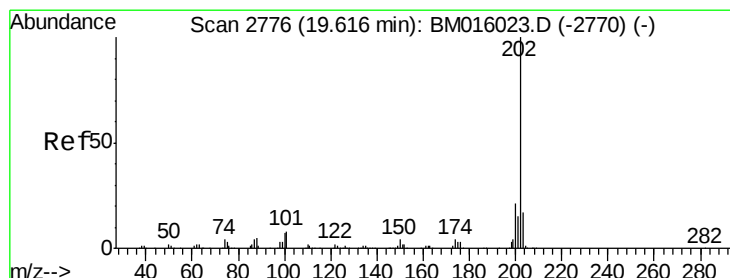
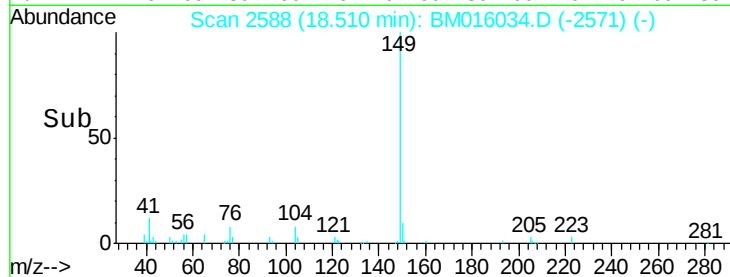
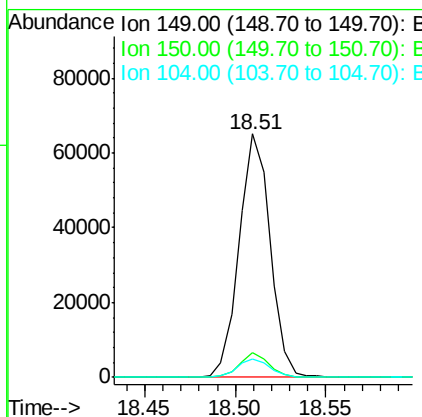
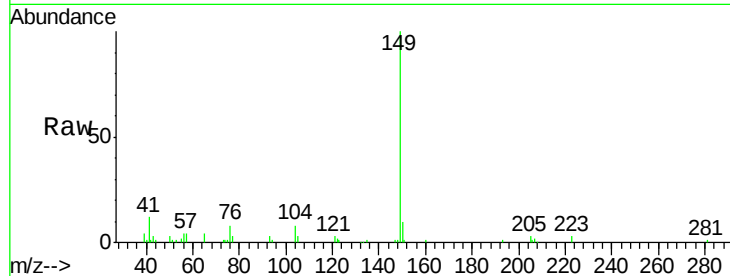




#73
Di-n-butylphthalate
Concen: 6.261 ng
RT: 18.51 min Scan# 2588
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

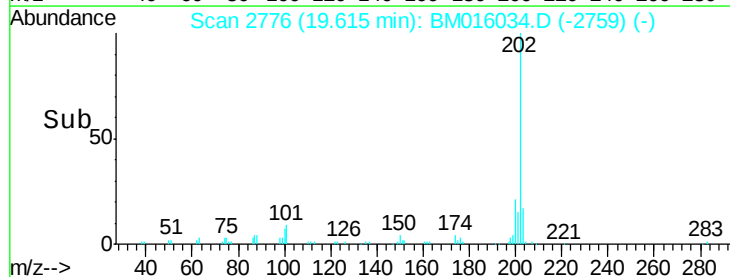
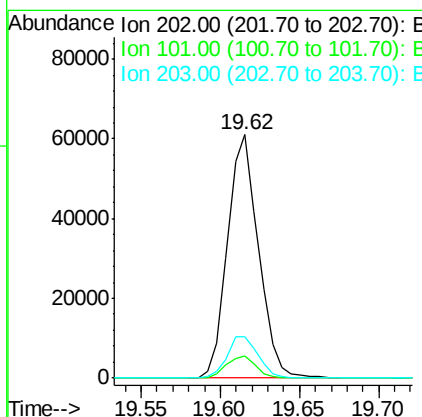
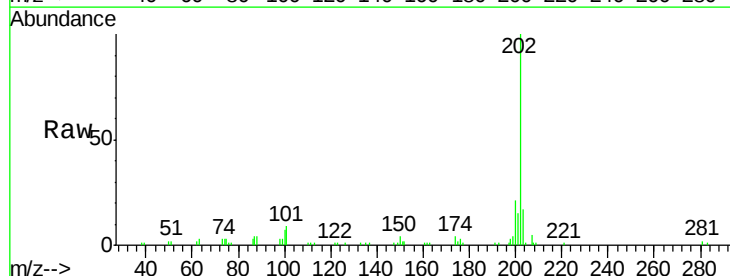
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

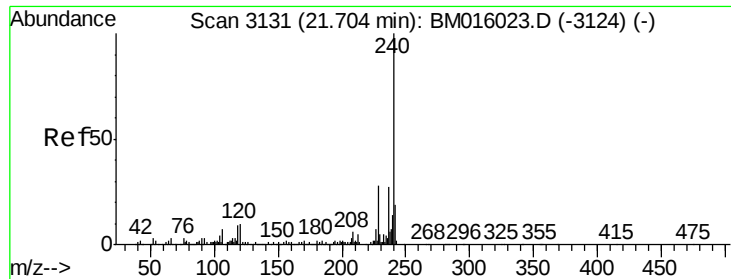
Tgt Ion:149 Resp: 77493
Ion Ratio Lower Upper
149 100
150 10.4 7.5 11.3
104 7.8 3.7 5.5#



#74
Fluoranthene
Concen: 7.494 ng
RT: 19.62 min Scan# 2776
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:202 Resp: 82471
Ion Ratio Lower Upper
202 100
101 9.0 0.0 28.7
203 17.1 0.0 37.2

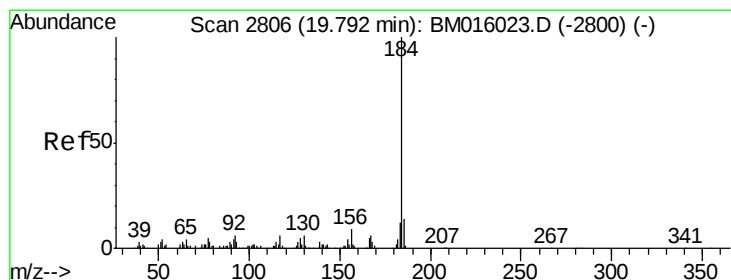
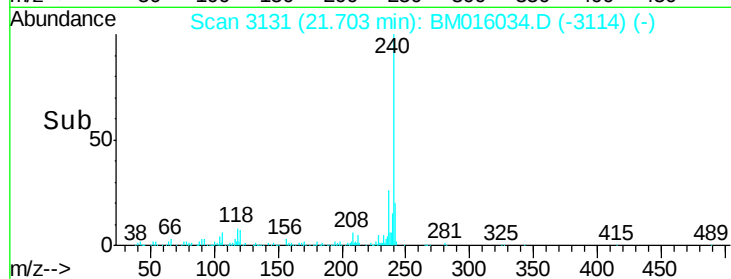
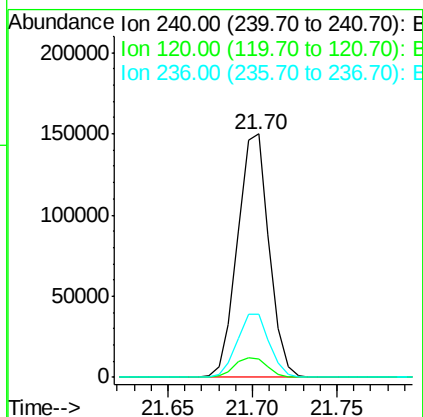
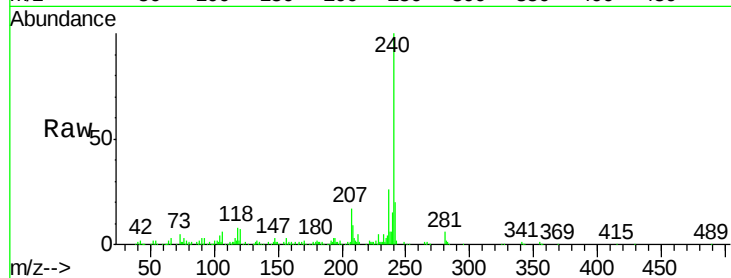




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

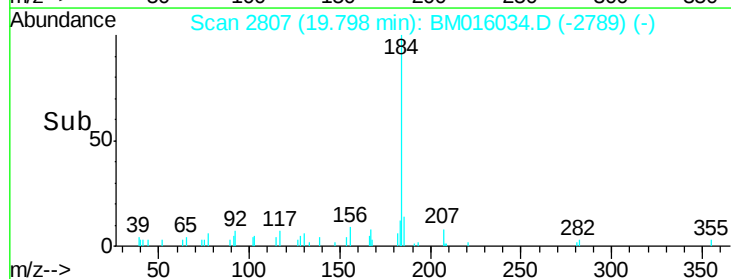
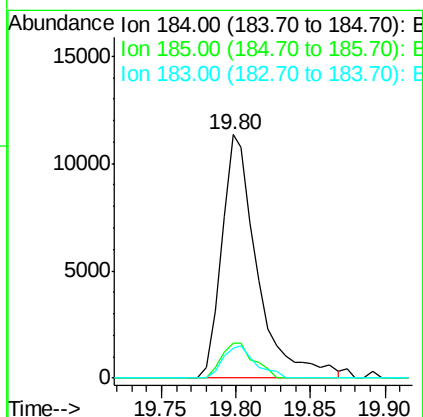
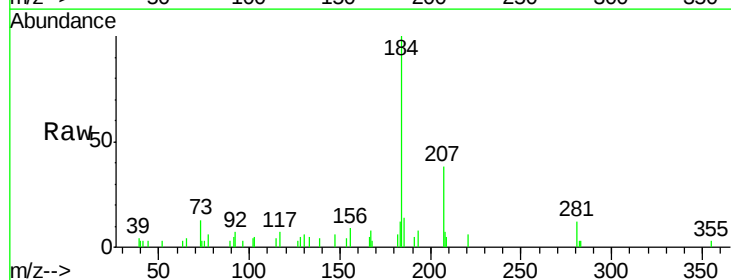
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

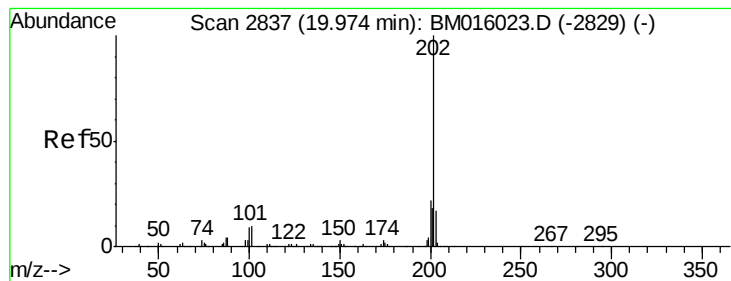
Tgt Ion:240 Resp: 195546
Ion Ratio Lower Upper
240 100
120 7.5 8.2 12.2#
236 26.1 20.0 30.0



#76
Benzidine
Concen: 3.456 ng
RT: 19.80 min Scan# 2807
Delta R.T. 0.01 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:184 Resp: 18883
Ion Ratio Lower Upper
184 100
185 14.4 11.3 16.9
183 12.0 8.9 13.3





#77

Pyrene

Concen: 7.174 ng

RT: 19.97 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

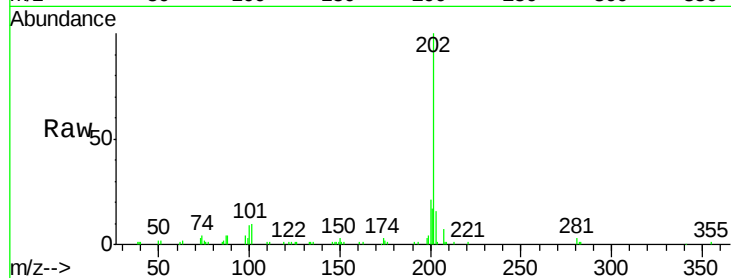
Tgt Ion:202 Resp: 84068

Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

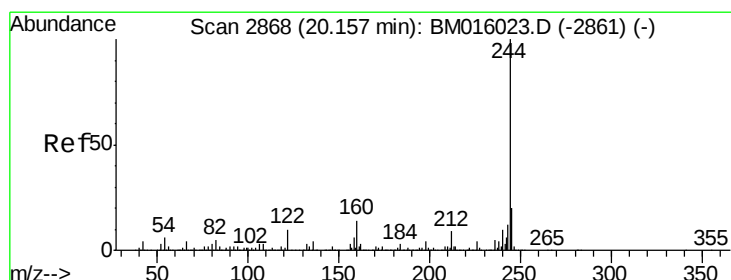
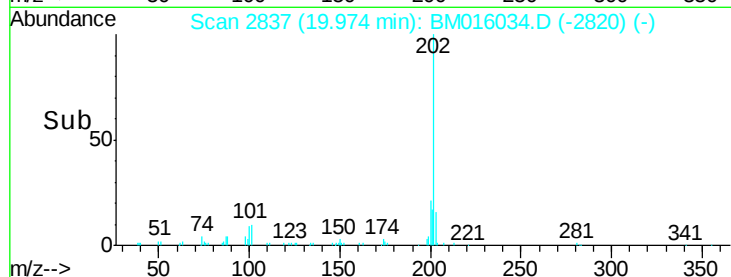
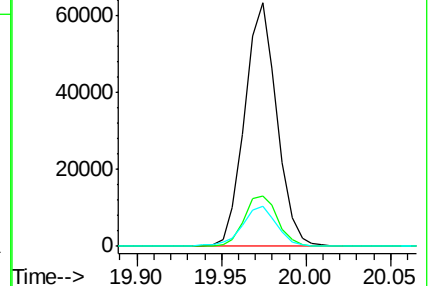
203 16.4 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 7.174 ng

RT: 20.16 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

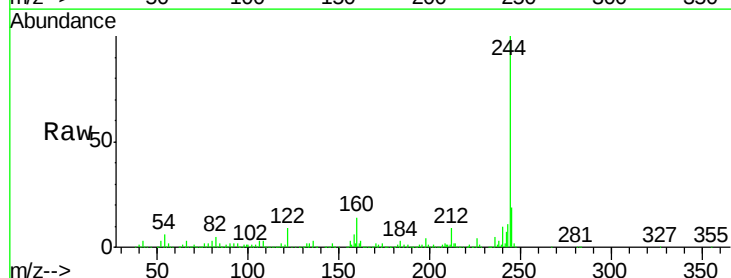
Tgt Ion:244 Resp: 1121311

Ion Ratio Lower Upper

244 100

212 9.1 4.9 7.3#

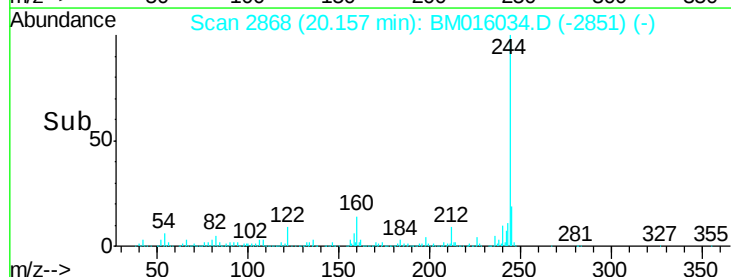
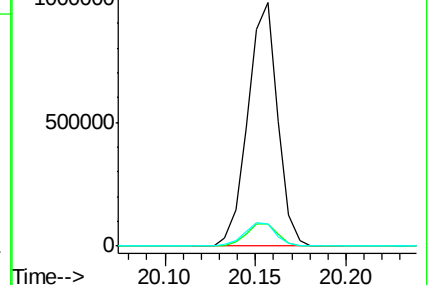
122 8.9 6.2 9.4

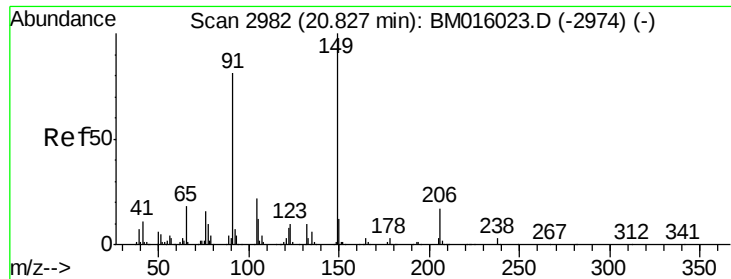


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

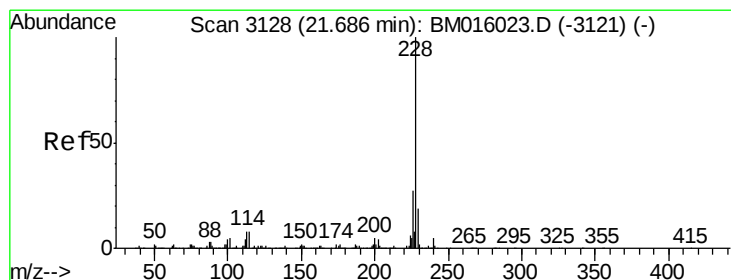
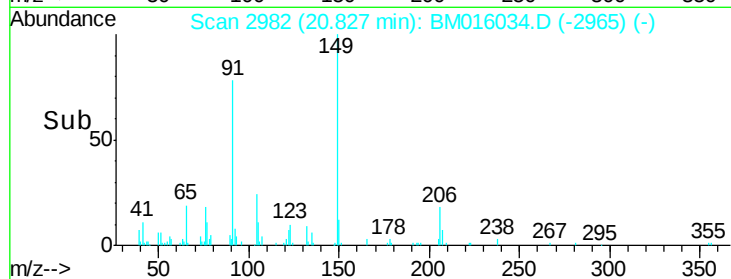
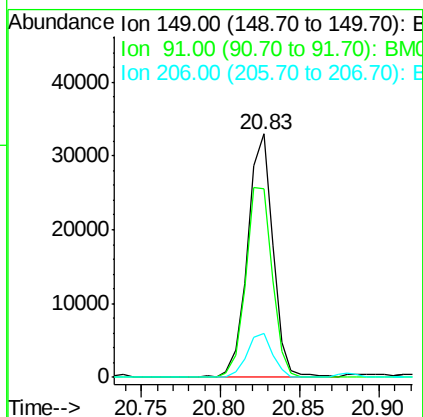
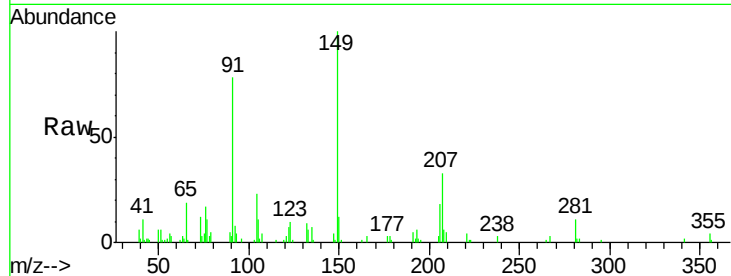




#79
Butylbenzylphthalate
Concen: 6.184 ng
RT: 20.83 min Scan# 2982
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

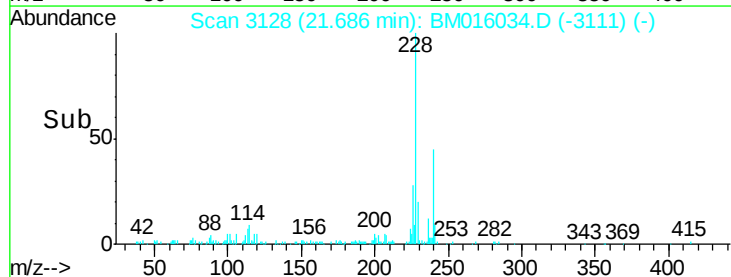
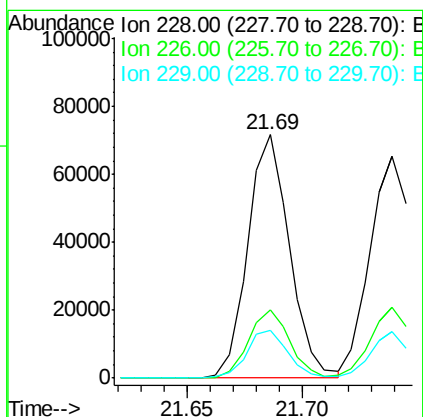
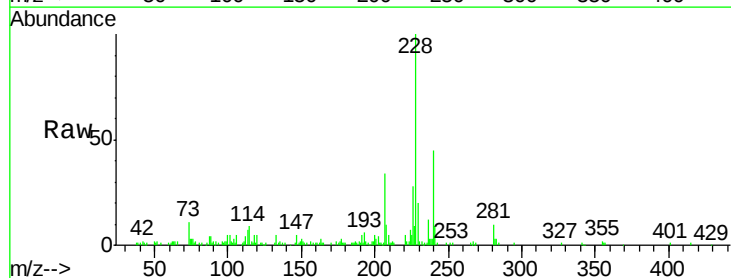
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2018

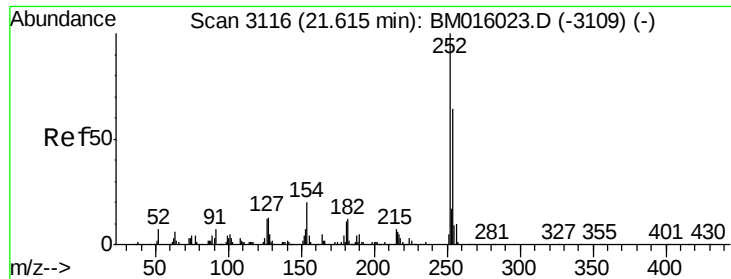
Tgt Ion:149 Resp: 36811
Ion Ratio Lower Upper
149 100
91 77.6 50.1 75.1#
206 18.0 16.2 24.2



#80
Benzo(a)anthracene
Concen: 7.508 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016034.D
Acq: 23 Jul 2018 20:14

Tgt Ion:228 Resp: 90425
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 19.8 16.0 24.0

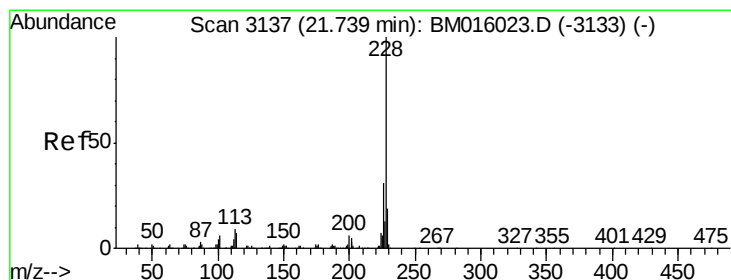
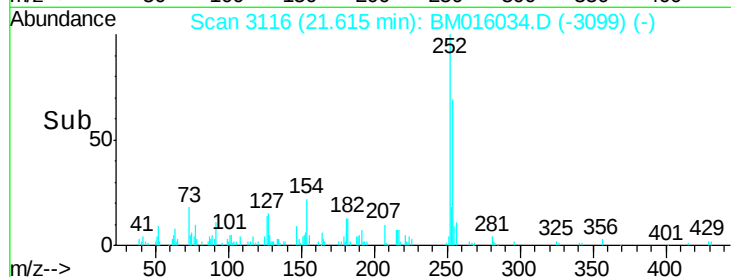
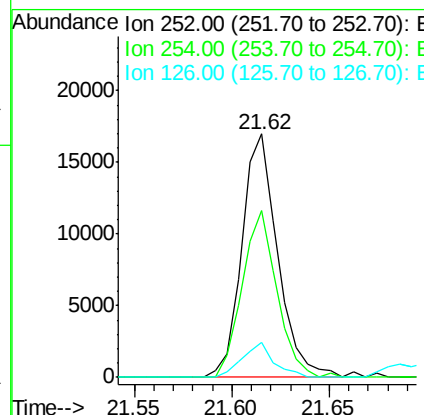
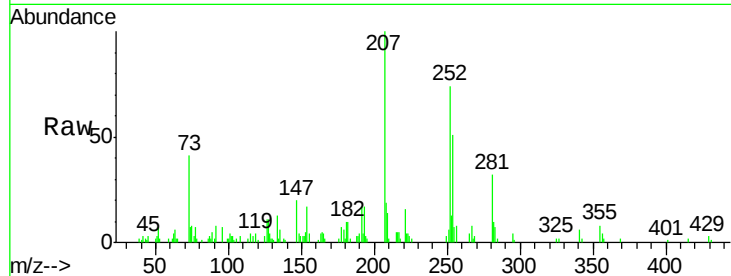




#81
 3,3'-Dichlorobenzidine
 Concen: 4.448 ng
 RT: 21.62 min Scan# 3116
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

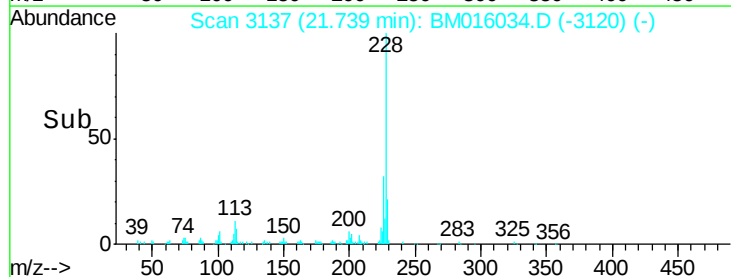
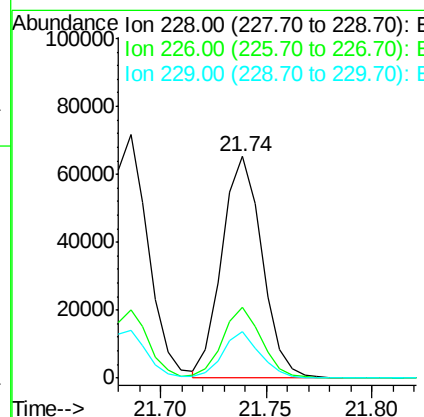
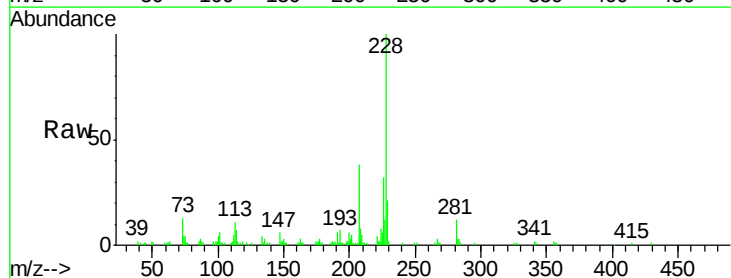
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2018

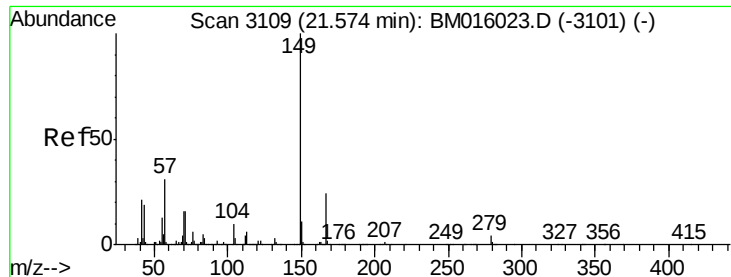
Tgt Ion:252 Resp: 21576
 Ion Ratio Lower Upper
 252 100
 254 68.7 51.9 77.9
 126 14.3 9.8 14.8



#82
 Chrysene
 Concen: 7.454 ng
 RT: 21.74 min Scan# 3137
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:228 Resp: 86115
 Ion Ratio Lower Upper
 228 100
 226 31.8 24.1 36.1
 229 21.3 15.5 23.3

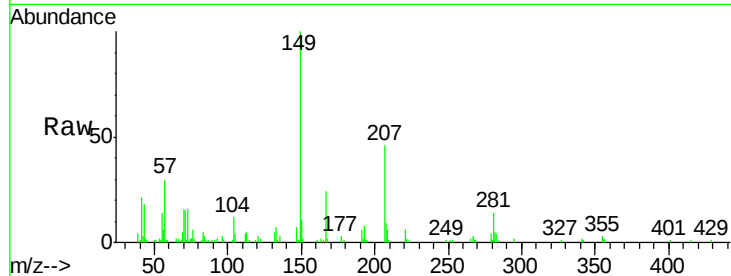




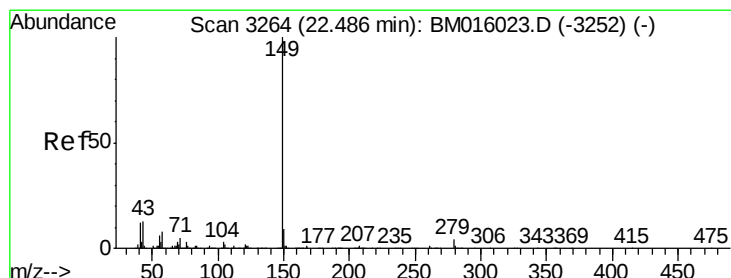
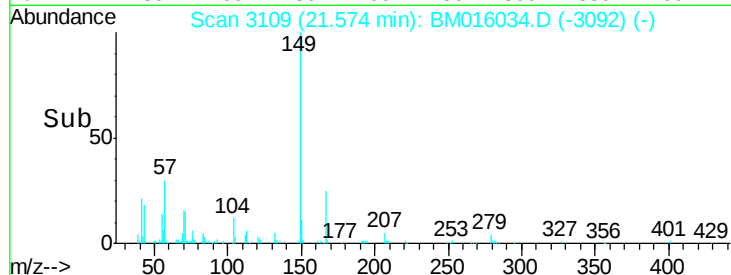
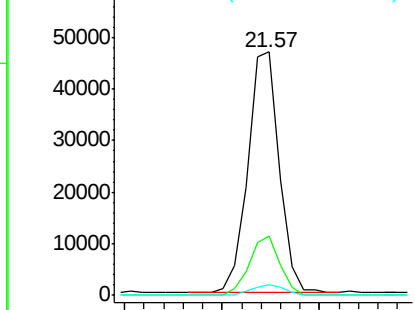
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.983 ng
 RT: 21.57 min Scan# 3109
 Delta R.T. -0.00 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

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

Tgt Ion:149 Resp: 51617
 Ion Ratio Lower Upper
 149 100
 167 24.3 22.4 33.6
 279 4.3 3.4 5.0

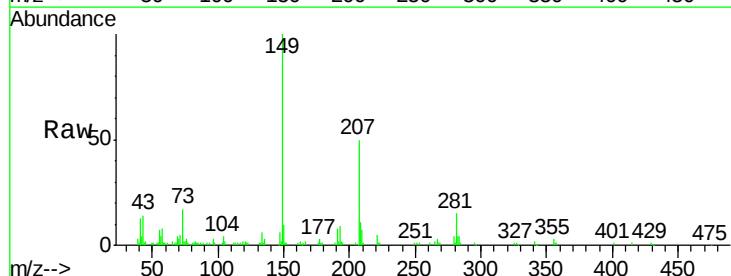


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

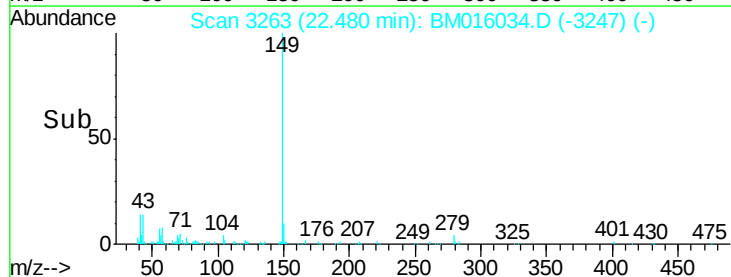
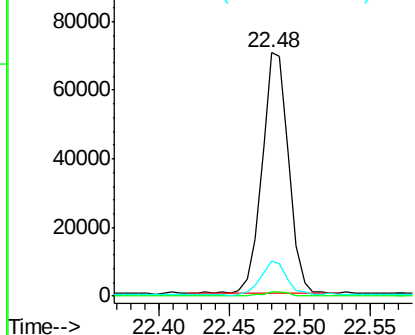


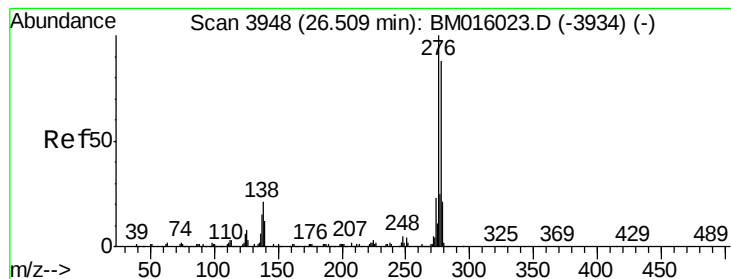
#84
 Di-n-octyl phthalate
 Concen: 6.428 ng
 RT: 22.48 min Scan# 3263
 Delta R.T. -0.01 min
 Lab File: BM016034.D
 Acq: 23 Jul 2018 20:14

Tgt Ion:149 Resp: 93213
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 15.1 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: 7.780 ng

RT: 26.50 min Scan# 3947

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

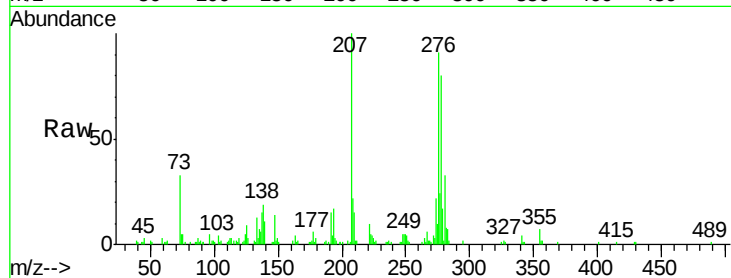
Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

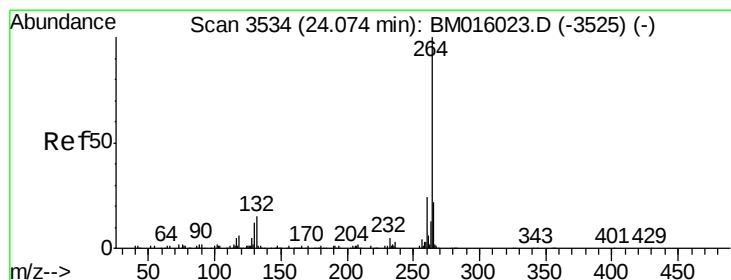
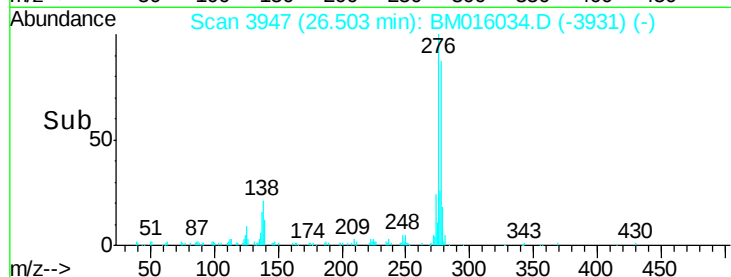
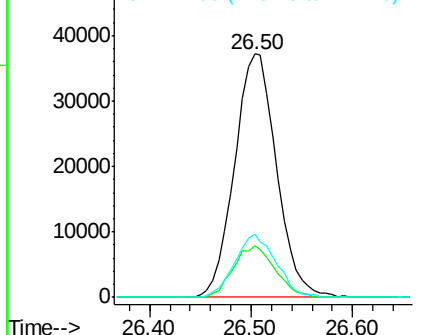
Tgt Ion:	276	Resp:	106666
Ion Ratio	Lower	Upper	
276	100		
138	20.9	12.0	18.0#
277	25.3	20.0	30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

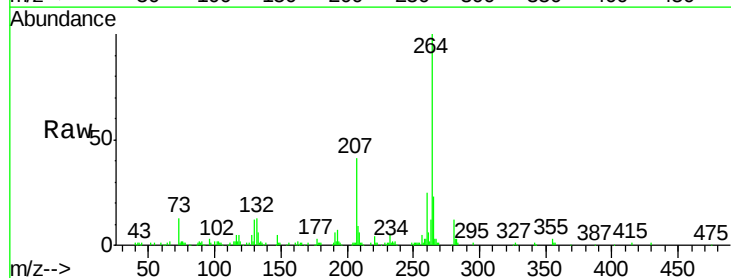
RT: 24.07 min Scan# 3534

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

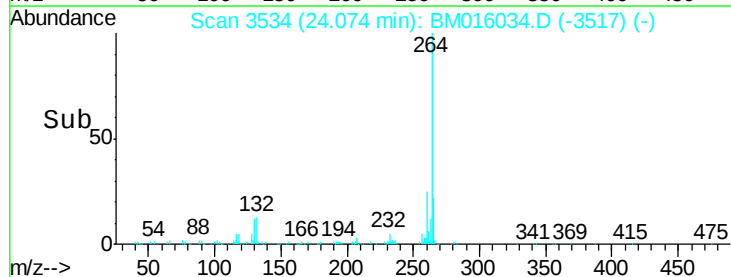
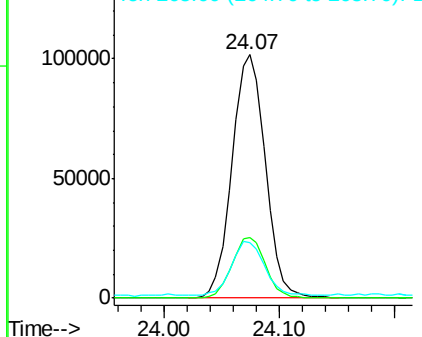
Tgt Ion:	264	Resp:	203967
Ion Ratio	Lower	Upper	
264	100		
260	24.7	18.6	27.8
265	22.7	17.3	25.9

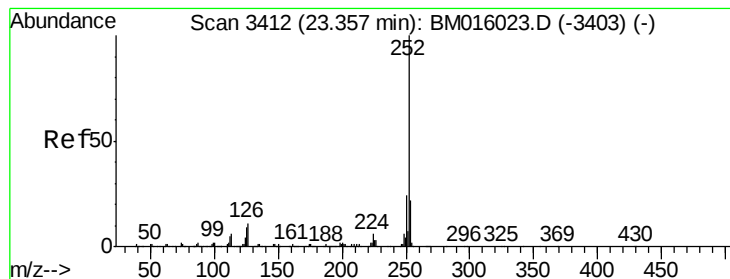


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.610 ng

RT: 23.35 min Scan# 3411

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

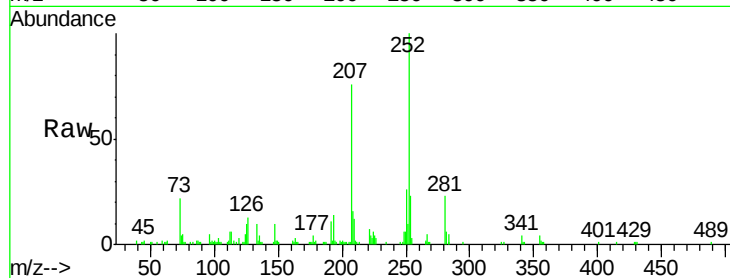
Instrument :

BNA_M

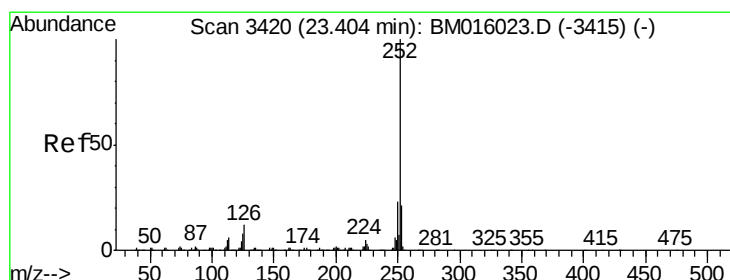
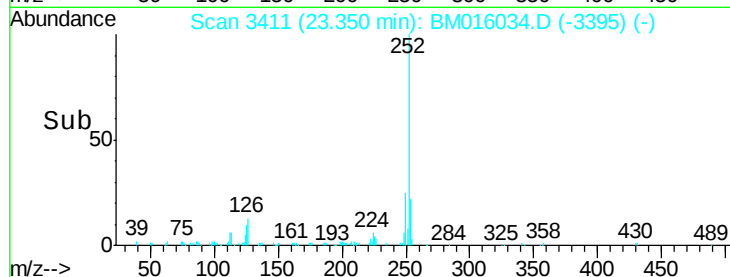
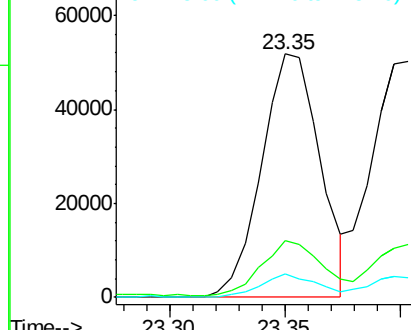
ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

Tgt Ion:	252	Resp:	91393
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	9.8	9.9	14.9#



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



#88

Benzo(k)fluoranthene

Concen: 7.634 ng

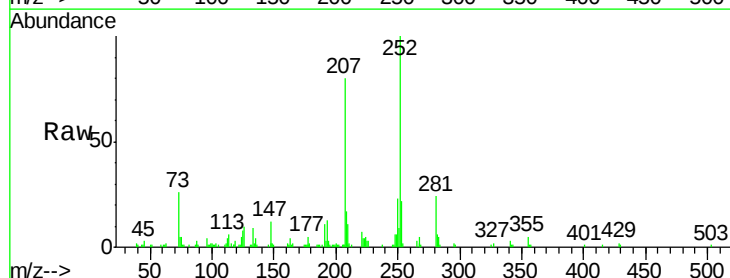
RT: 23.40 min Scan# 3420

Delta R.T. -0.00 min

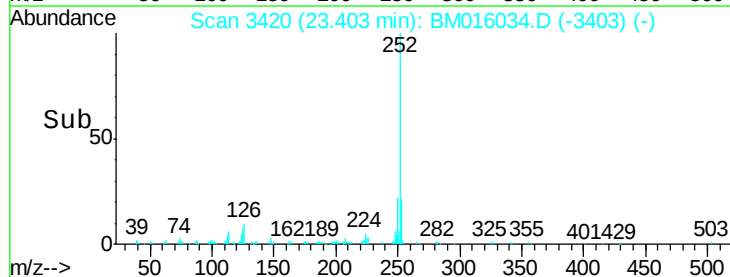
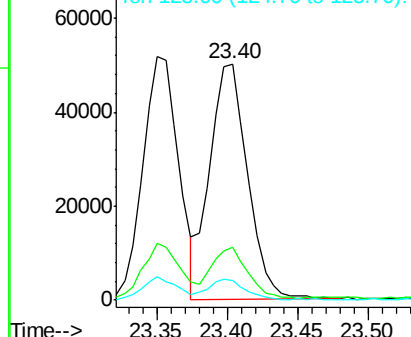
Lab File: BM016034.D

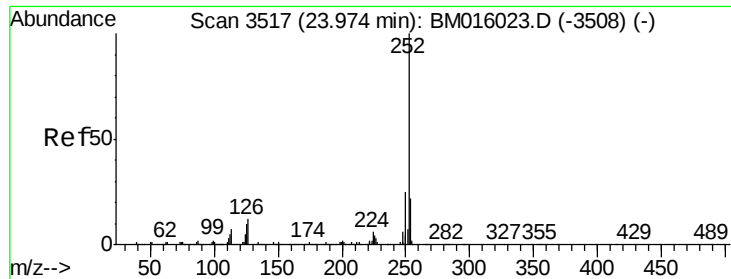
Acq: 23 Jul 2018 20:14

Tgt Ion:	252	Resp:	92915
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	8.4	8.1	12.1



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





#89

Benzo(a)pyrene

Concen: 7.677 ng

RT: 23.97 min Scan# 3517

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

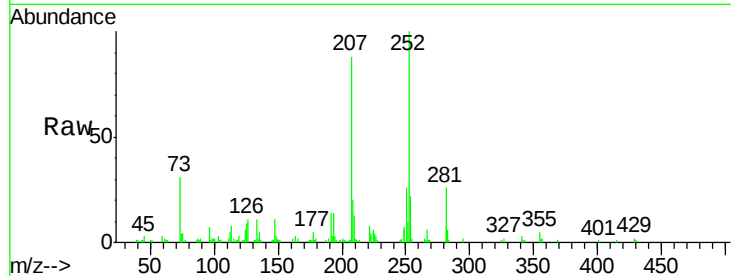
Tgt Ion:252 Resp: 88627

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

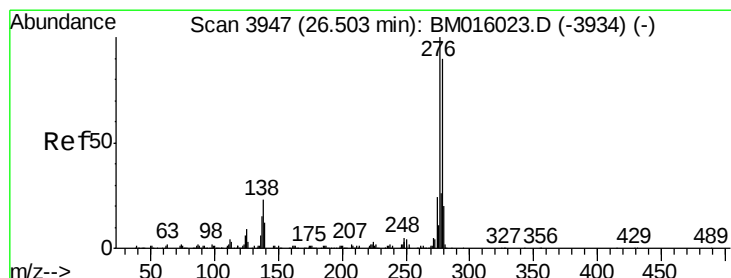
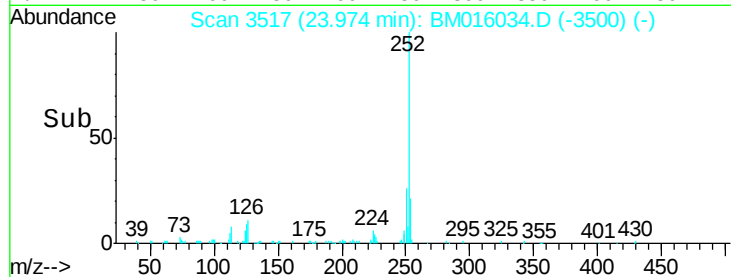
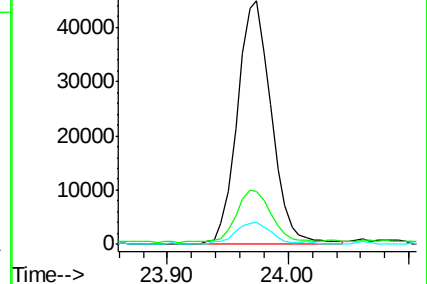
125 9.0 7.4 11.2



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: 7.519 ng

RT: 26.50 min Scan# 3947

Delta R.T. -0.00 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

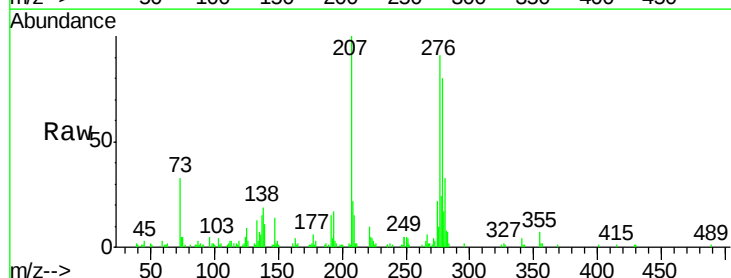
Tgt Ion:278 Resp: 89936

Ion Ratio Lower Upper

278 100

139 13.6 13.4 20.0

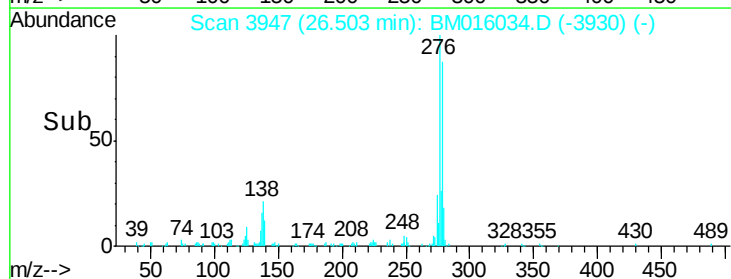
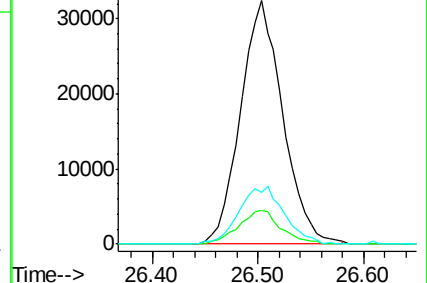
279 21.2 19.0 28.4

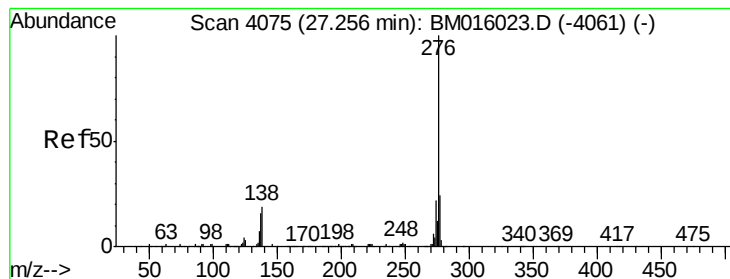


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.769 ng

RT: 27.25 min Scan# 4074

Delta R.T. -0.01 min

Lab File: BM016034.D

Acq: 23 Jul 2018 20:14

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2018

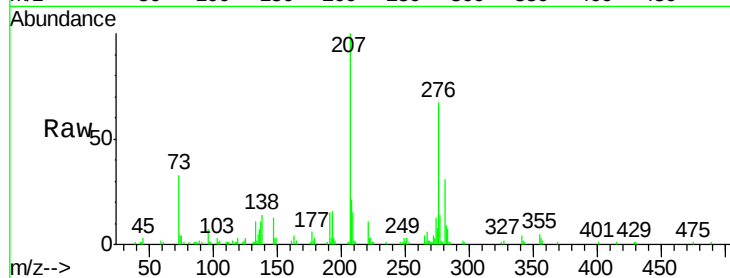
Tgt Ion: 276 Resp: 87891

Ion Ratio Lower Upper

276 100

277 21.5 18.5 27.7

138 20.9 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

