

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM072318\
 Data File : BM016036.D
 Acq On : 23 Jul 2018 21:28
 Operator : SJ/JU
 Sample : J3762-03
 Misc : MDL 1 PPM
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jul 24 06:06:07 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	41604	20.00	ng	0.00
21) Naphthalene-d8	11.05	136	153568	20.00	ng	0.00
38) Acenaphthene-d10	14.86	164	79444	20.00	ng	0.00
63) Phenanthrene-d10	17.59	188	171310	20.00	ng	0.00
75) Chrysene-d12	21.70	240	183109	20.00	ng	0.00
86) Perylene-d12	24.07	264	195976	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.74	112	318043	126.98	ng	0.00
7) Phenol-d6	7.39	99	387193	118.38	ng	0.00
23) Nitrobenzene-d5	9.42	82	295124	89.38	ng	0.00
41) 2,4,6-Tribromophenol	16.34	330	131568	130.57	ng	0.00
44) 2-Fluorobiphenyl	13.48	172	592553	90.75	ng	0.00
78) Terphenyl-d14	20.16	244	1104750	126.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.53	88	546	0.465	ng	# 100
6) Aniline	7.57	93	1449	0.385	ng	# 77
8) 2-Chlorophenol	7.78	128	2456	0.825	ng	# 1
9) Benzaldehyde	7.42	77	2404	1.046	ng	# 84
10) Phenol	7.40	94	2830	0.865	ng	# 1
11) bis(2-Chloroethyl)ether	7.66	93	1415	0.548	ng	# 78
12) 1,3-Dichlorobenzene	8.13	146	2512	0.721	ng	# 70
13) 1,4-Dichlorobenzene	8.27	146	2831	0.801	ng	# 84
14) 1,2-Dichlorobenzene	8.59	146	2754	0.796	ng	# 85
15) Benzyl Alcohol	8.55	79	6438	2.472	ng	# 53
16) 2,2'-oxybis(1-Chloropropan	8.77	45	3006	0.760	ng	# 75
17) 2-Methylphenol	8.72	107	1343	0.601	ng	# 79
18) Hexachloroethane	9.31	117	1126	0.737	ng	# 74
19) n-Nitroso-di-n-propylamine	9.06	70	1425	0.596	ng	# 58
20) 3+4-Methylphenols	9.06	107	530	0.165	ng	# 73
22) Acetophenone	9.11	105	2533	0.655	ng	# 56
24) Nitrobenzene	9.47	77	3011	0.906	ng	# 73
25) Isophorone	9.99	82	3753	0.831	ng	# 62
27) 2,4-Dimethylphenol	10.25	122	1070	0.554	ng	# 95
28) bis(2-Chloroethoxy)methane	10.48	93	1680	0.572	ng	# 50
30) 1,2,4-Trichlorobenzene	10.93	180	2061	0.739	ng	# 94
31) Naphthalene	11.11	128	7862	1.012	ng	# 97
33) 4-Chloroaniline	11.29	127	156	0.049	ng	# 51
34) Hexachlorobutadiene	11.36	225	1455	0.752	ng	# 86
36) 4-Chloro-3-methylphenol	12.39	107	778	0.308	ng	# 14
37) 2-Methylnaphthalene	12.71	142	4761	0.914	ng	# 73
39) 1,2,4,5-Tetrachlorobenzene	13.07	216	2258	0.835	ng	# 100
42) 2,4,6-Trichlorophenol	13.33	196	805	0.476	ng	# 53
43) 2,4,5-Trichlorophenol	13.33	196	805	0.461	ng	# 51
45) 1,1'-Biphenyl	13.70	154	7116	0.993	ng	# 97
46) 2-Chloronaphthalene	13.75	162	5010	0.898	ng	# 84
47) 2-Nitroaniline	14.01	65	117	0.063	ng	# 64
48) Acenaphthylene	14.59	152	6368	0.780	ng	# 96
49) Dimethylphthalate	14.31	163	5939	0.854	ng	# 97

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

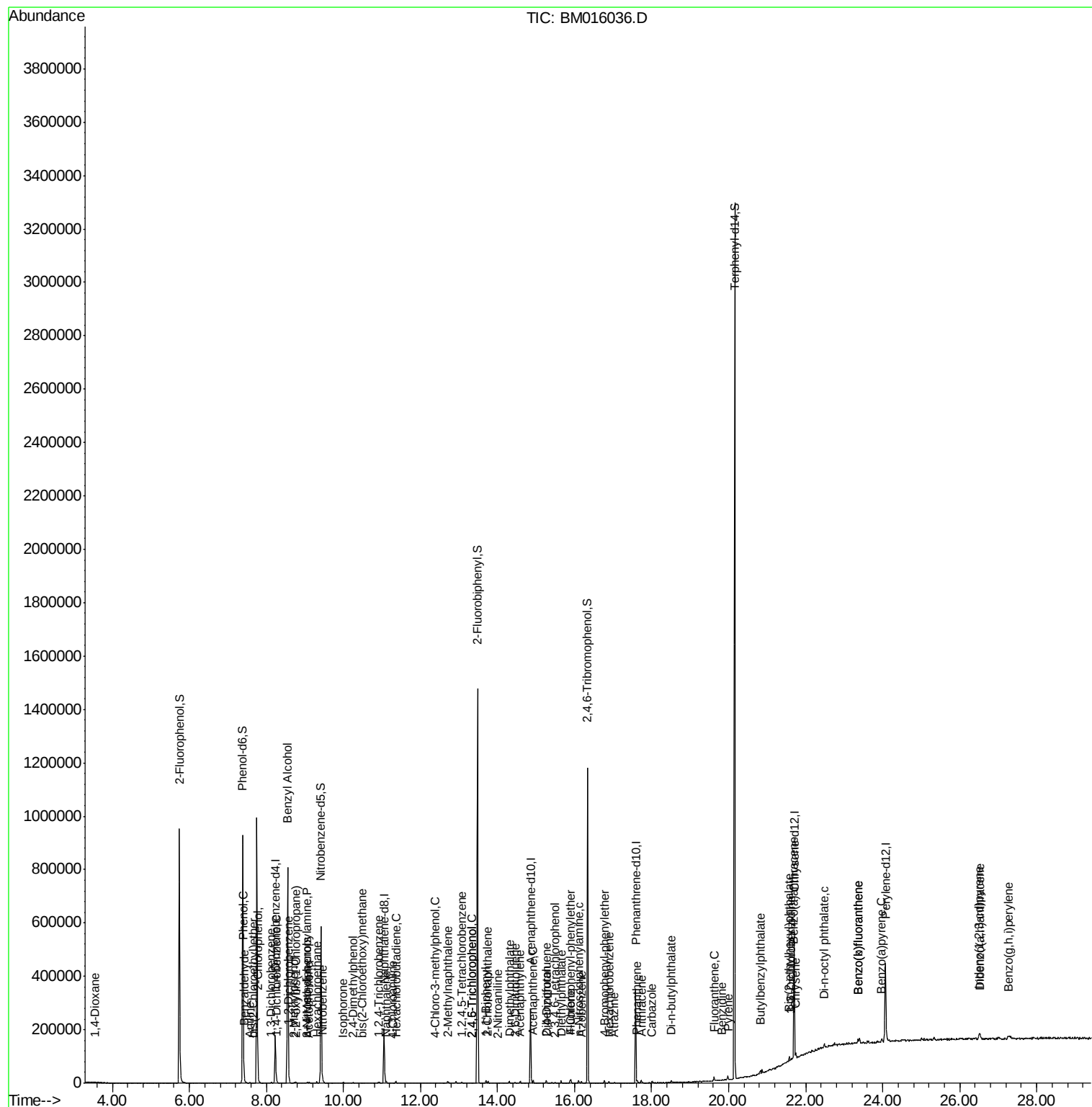
50) 2,6-Dinitrotoluene	14.46	165	633	0.453	ng	# 54
51) Acenaphthene	14.92	154	4557	0.908	ng	# 89
54) Dibenzofuran	15.26	168	7142	0.863	ng	# 77
56) 2,4-Dinitrotoluene	15.27	165	466	0.233	ng	# 43
57) Fluorene	15.90	166	5491	0.893	ng	# 92
58) 2,3,4,6-Tetrachlorophenol	15.49	232	823	0.549	ng	# 100
59) Diethylphthalate	15.65	149	5970	0.797	ng	# 92
60) 4-Chlorophenyl-phenylether	15.89	204	2871	0.839	ng	# 81
62) Azobenzene	16.17	77	5090	0.645	ng	# 83
65) n-Nitrosodiphenylamine	16.10	169	4308	0.764	ng	# 94
66) 4-Bromophenyl-phenylether	16.78	248	1426	0.735	ng	# 77
67) Hexachlorobenzene	16.89	284	1480	0.693	ng	# 37
68) Atrazine	17.04	200	1310	0.648	ng	# 78
70) Phenanthrene	17.63	178	9308	0.970	ng	# 95
71) Anthracene	17.73	178	7821	0.839	ng	# 94
72) Carbazole	18.00	167	6902	0.715	ng	# 91
73) Di-n-butylphthalate	18.51	149	8193	0.681	ng	# 96
74) Fluoranthene	19.62	202	9542	0.892	ng	# 94
76) Benzidine	19.82	184	566	0.111	ng	# 68
77) Pyrene	19.98	202	9349	0.852	ng	# 95
79) Butylbenzylphthalate	20.83	149	4473	0.802	ng	# 94
80) Benzo(a)anthracene	21.69	228	11633	1.031	ng	# 96
81) 3,3'-Dichlorobenzidine	21.62	252	3185	0.701	ng	# 91
82) Chrysene	21.74	228	10209	0.944	ng	# 98
83) Bis(2-ethylhexyl)phthalate	21.57	149	5776	0.715	ng	# 88
84) Di-n-octyl phthalate	22.48	149	10704	0.788	ng	# 80
85) Indeno(1,2,3-cd)pyrene	26.51	276	12714	0.990	ng	# 90
87) Benzo(b)fluoranthene	23.36	252	11513	0.998	ng	# 95
88) Benzo(k)fluoranthene	23.36	252	11513	0.985	ng	# 93
89) Benzo(a)pyrene	23.98	252	11603	1.046	ng	# 96
90) Dibenzo(a,h)anthracene	26.52	278	10616	0.924	ng	# 95
91) Benzo(g,h,i)perylene	27.27	276	10811	0.995	ng	# 92

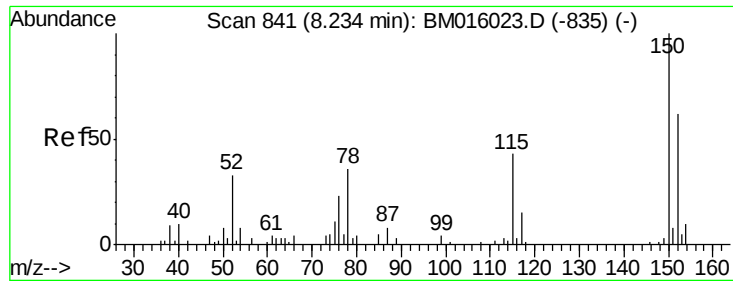
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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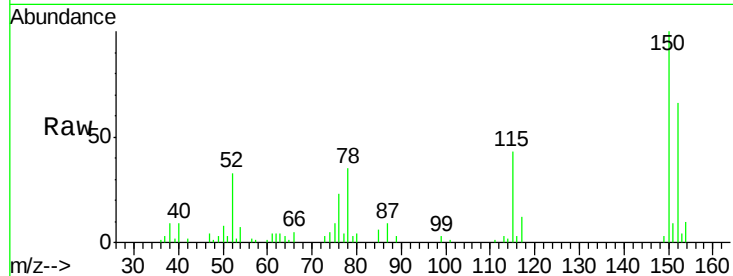




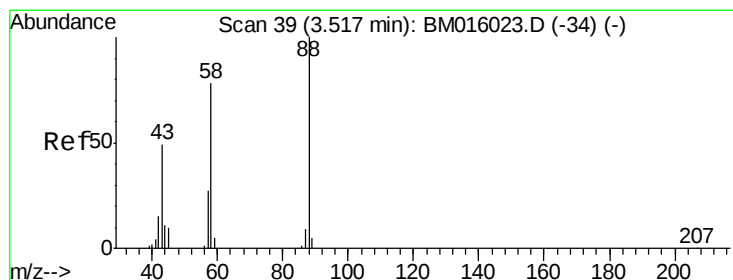
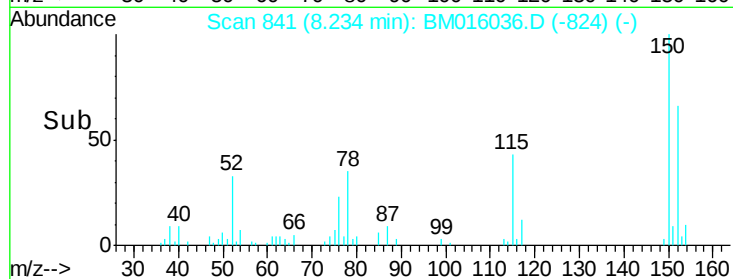
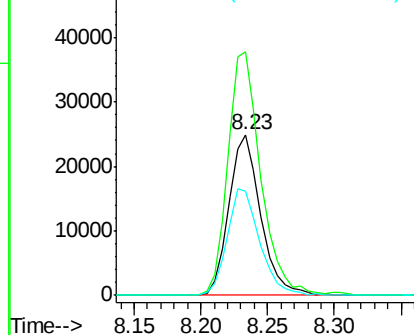
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.23 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

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

Tgt Ion:152 Resp: 41604
 Ion Ratio Lower Upper
 152 100
 150 151.6 119.5 179.3
 115 64.9 43.0 64.4#

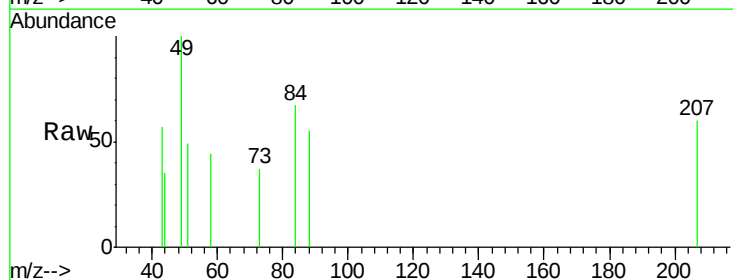


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

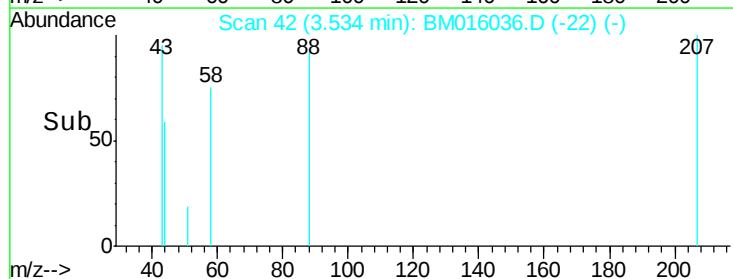
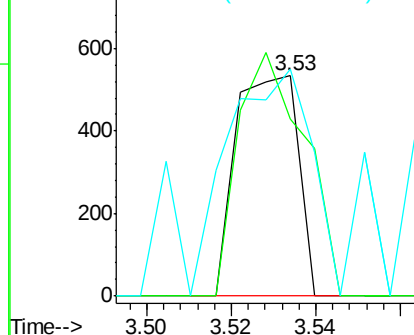


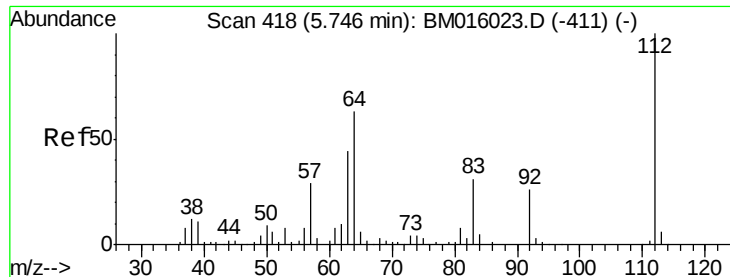
#2
 1,4-Dioxane
 Concen: 0.465 ng
 RT: 3.53 min Scan# 42
 Delta R.T. 0.02 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion: 88 Resp: 546
 Ion Ratio Lower Upper
 88 100
 58 118.1 0.0 0.0#
 43 160.4 0.0 0.0#



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





#5

2-Fluorophenol

Concen: N.D. ng

RT: 5.74 min Scan# 417

Delta R.T. -0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

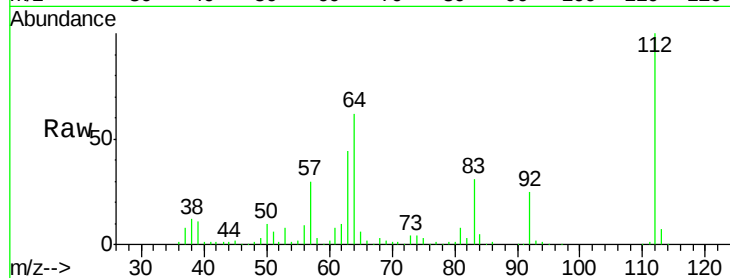
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

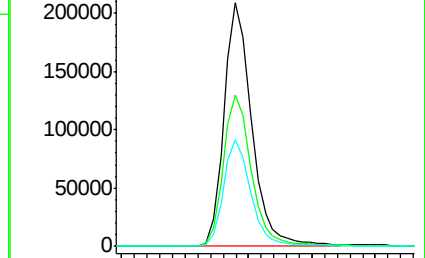
Tgt Ion:	112	Resp:	318043
Ion Ratio	Lower	Upper	
112	100		
64	62.4	38.6	57.8#
63	43.7	19.3	28.9#



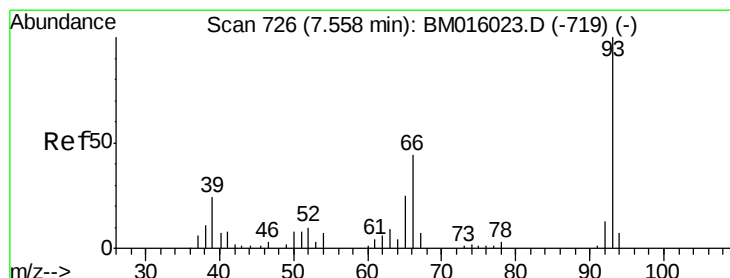
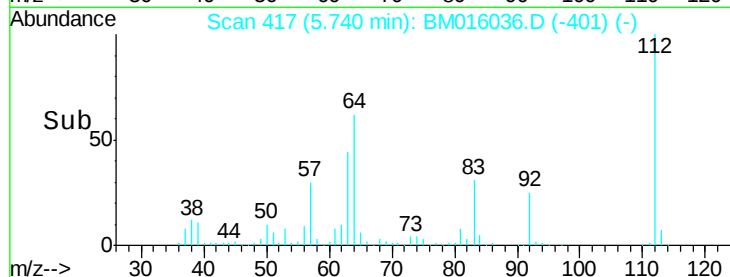
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



Time-->



#6

Aniline

Concen: 0.385 ng

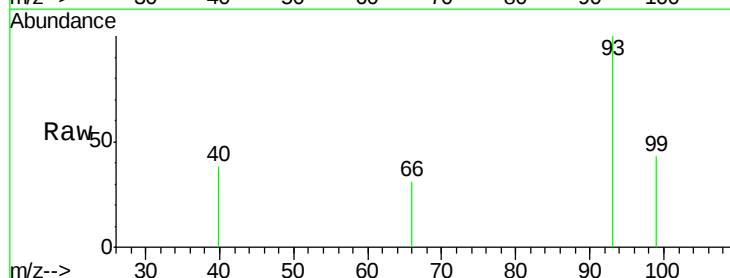
RT: 7.57 min Scan# 729

Delta R.T. 0.02 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

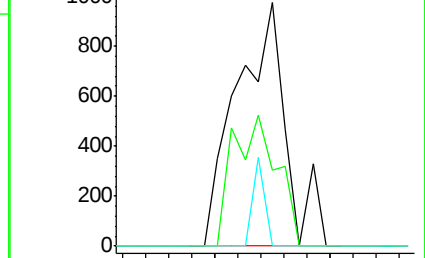
Tgt Ion:	93	Resp:	1449
Ion Ratio	Lower	Upper	
93	100		
66	31.2	30.8	46.2
65	0.0	16.0	24.0#



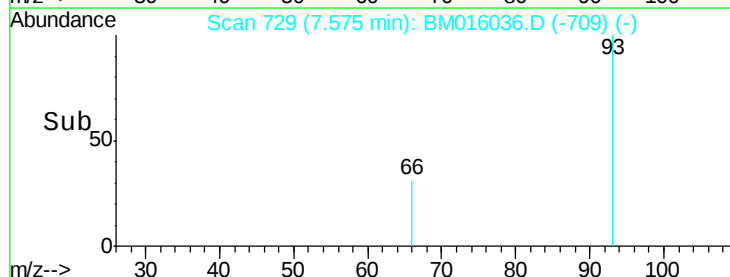
Abundance Ion 93.00 (92.70 to 93.70): BM0

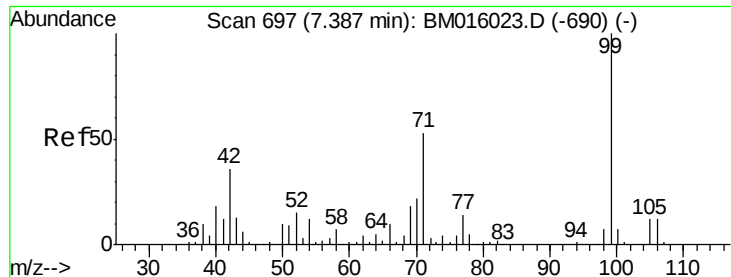
Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0



Time-->





#7

Phenol-d6

Concen: 0.385 ng

RT: 7.39 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

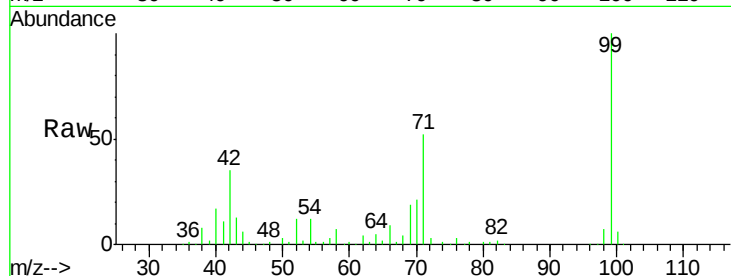
Tgt Ion: 99 Resp: 387193

Ion Ratio Lower Upper

99 100

42 35.2 11.0 16.4#

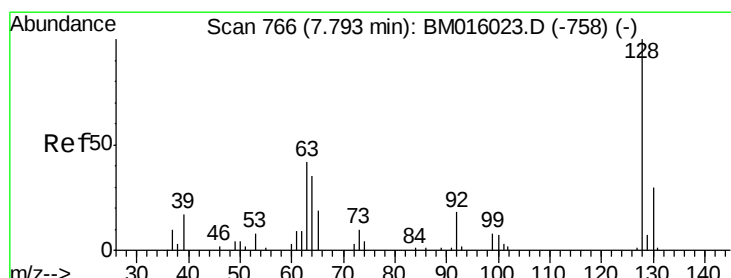
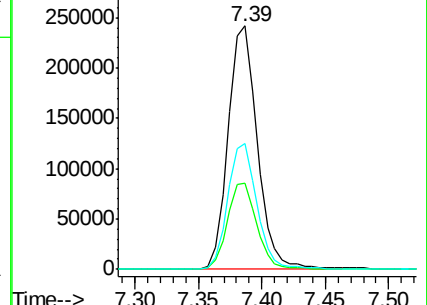
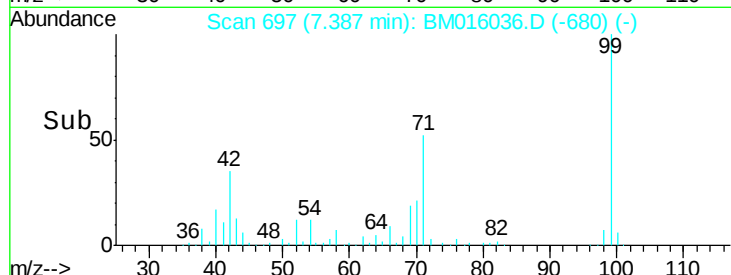
71 51.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM016036.D (-680) (-)

Ion 42.00 (41.70 to 42.70): BM016036.D (-680) (-)

Ion 71.00 (70.70 to 71.70): BM016036.D (-680) (-)



#8

2-Chlorophenol

Concen: 0.825 ng

RT: 7.78 min Scan# 764

Delta R.T. -0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

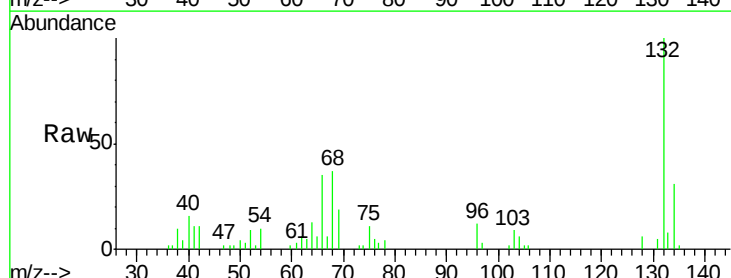
Tgt Ion: 128 Resp: 2456

Ion Ratio Lower Upper

128 100

130 0.0 12.0 52.0#

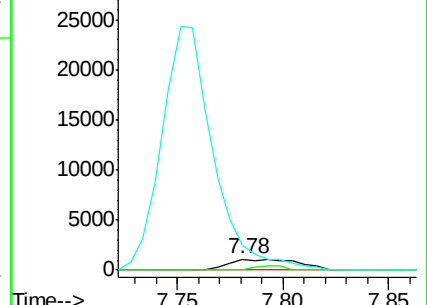
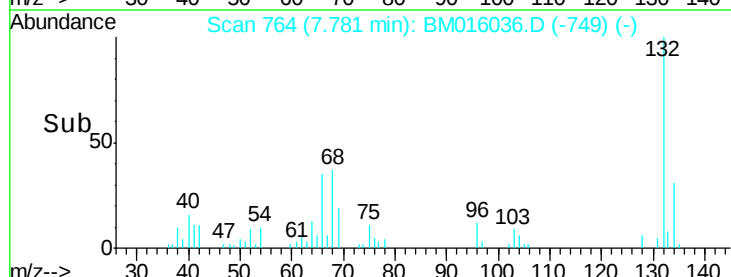
64 224.6 24.9 64.9#

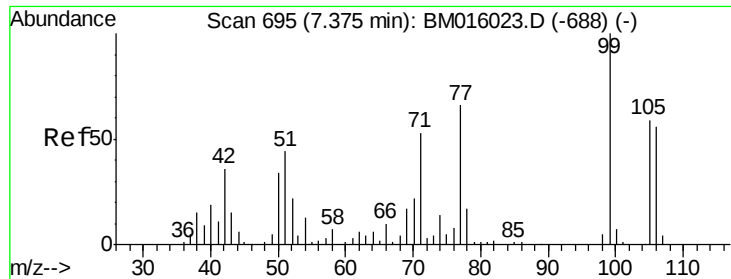


Abundance Ion 128.00 (127.70 to 128.70): BM016036.D (-749) (-)

Ion 130.00 (129.70 to 130.70): BM016036.D (-749) (-)

Ion 64.00 (63.70 to 64.70): BM016036.D (-749) (-)

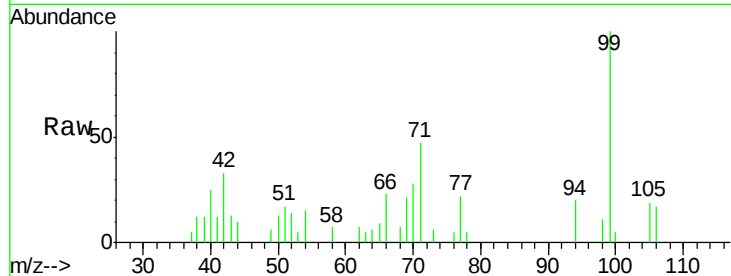




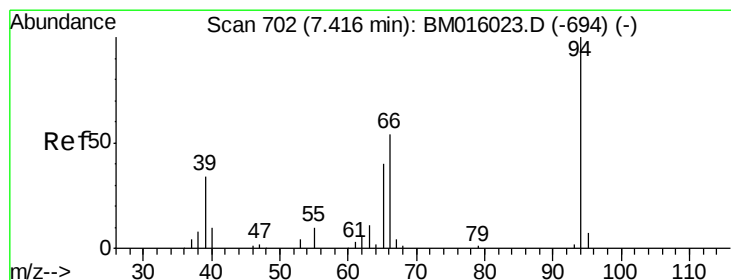
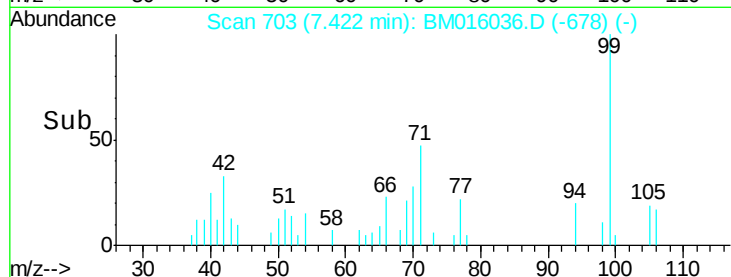
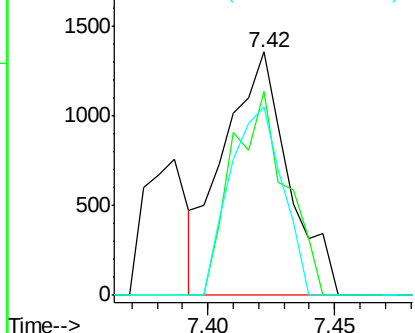
#9
Benzaldehyde
Concen: 1.046 ng
RT: 7.42 min Scan# 703
Delta R.T. 0.05 min
Lab File: BM016036.D
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Tgt Ion: 77 Resp: 2404
Ion Ratio Lower Upper
77 100
105 83.8 78.8 118.8
106 77.3 73.7 113.7

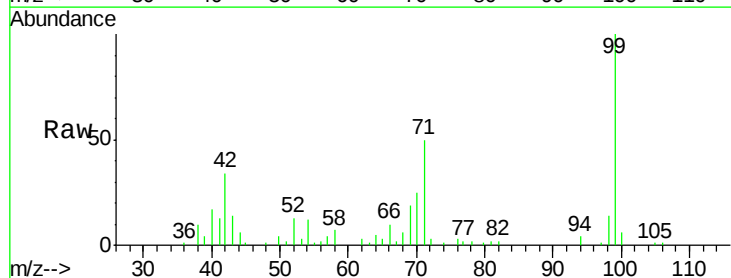


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B

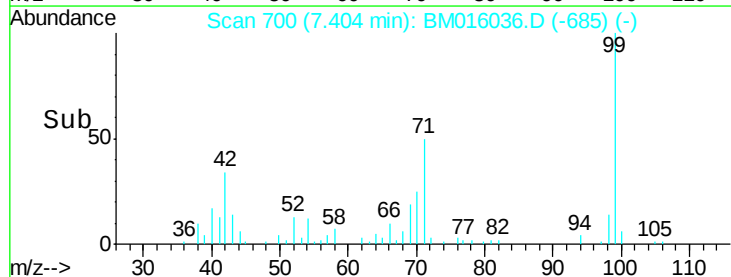
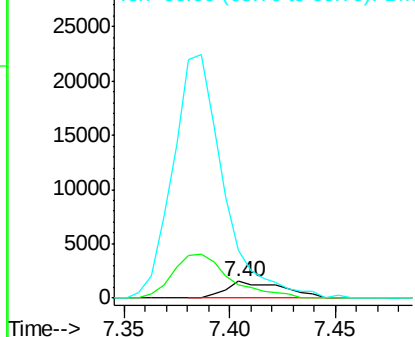


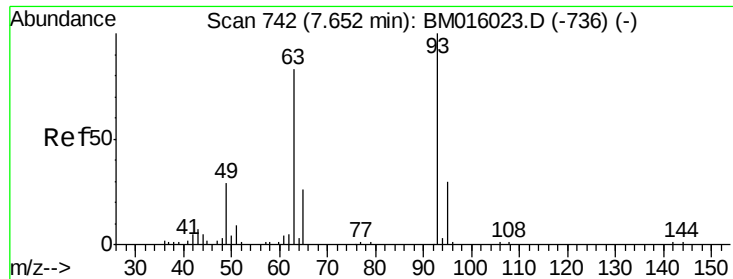
#10
Phenol
Concen: 0.865 ng
RT: 7.40 min Scan# 700
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 94 Resp: 2830
Ion Ratio Lower Upper
94 100
65 80.9 18.8 58.8#
66 283.7 39.9 79.9#



Abundance Ion 94.00 (93.70 to 94.70): BM0
Ion 65.00 (64.70 to 65.70): BM0
Ion 66.00 (65.70 to 66.70): BM0

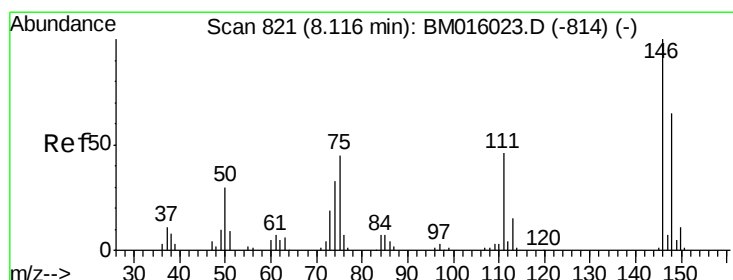
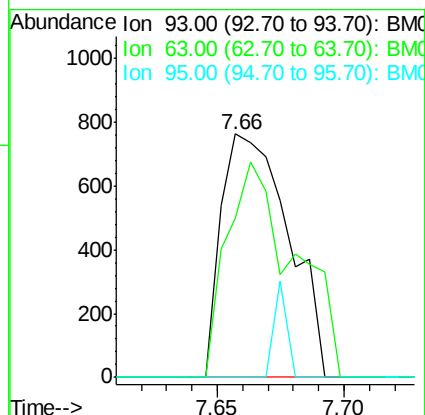
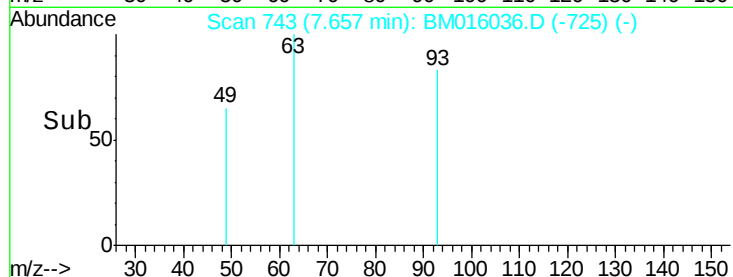
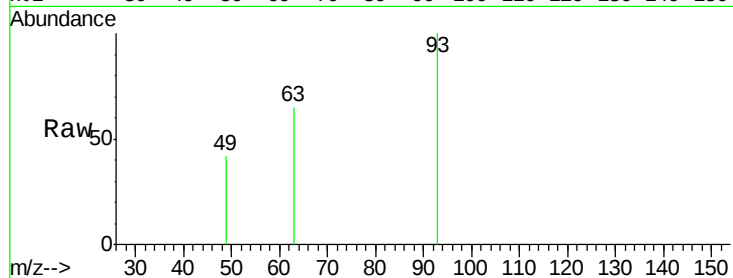




#11
bis(2-Chloroethyl)ether
Concen: 0.548 ng
RT: 7.66 min Scan# 743
Delta R.T. 0.01 min
Lab File: BM016036.D
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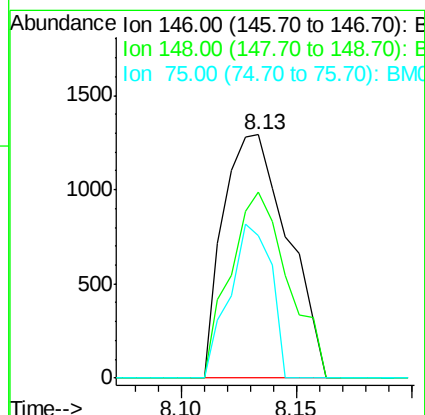
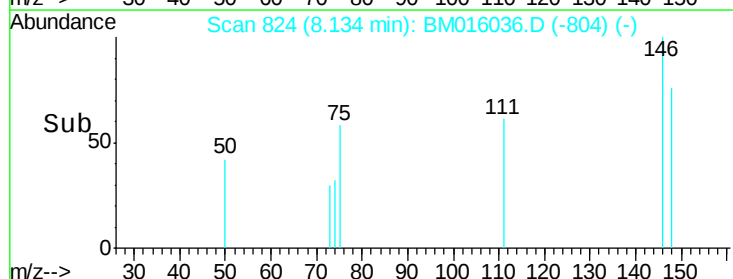
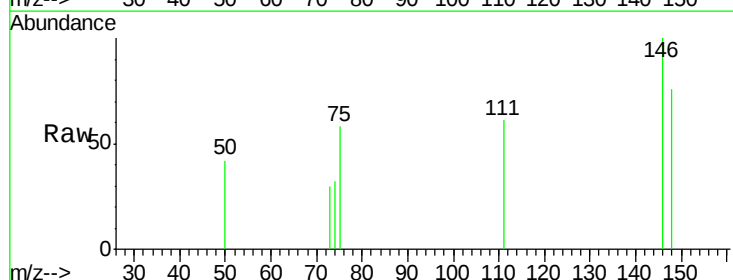
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ClientSampleId :
MDL-SOIL-03-QT3-2018

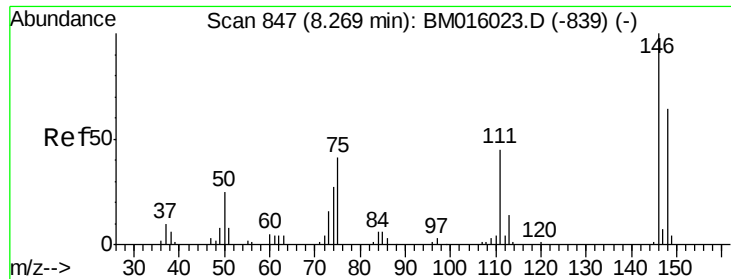
Tgt Ion: 93 Resp: 1415
Ion Ratio Lower Upper
93 100
63 65.4 49.5 89.5
95 0.0 13.5 53.5#



#12
1,3-Dichlorobenzene
Concen: 0.721 ng
RT: 8.13 min Scan# 824
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 146 Resp: 2512
Ion Ratio Lower Upper
146 100
148 76.2 50.9 76.3
75 58.4 21.4 32.2#

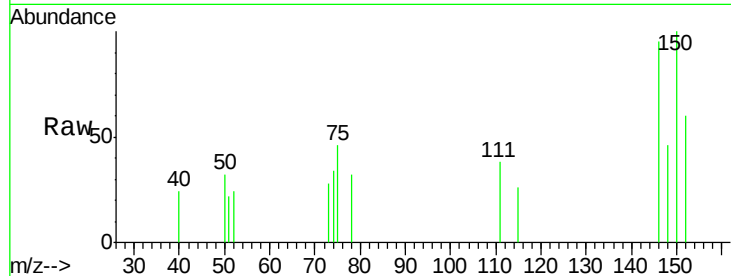




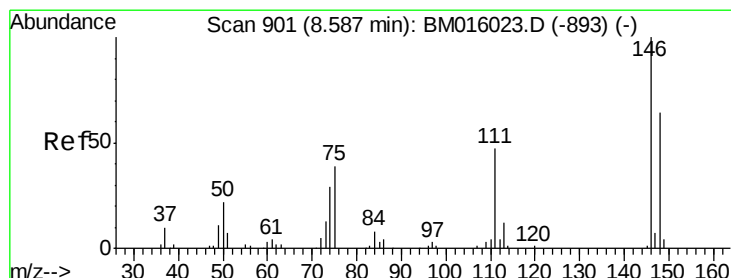
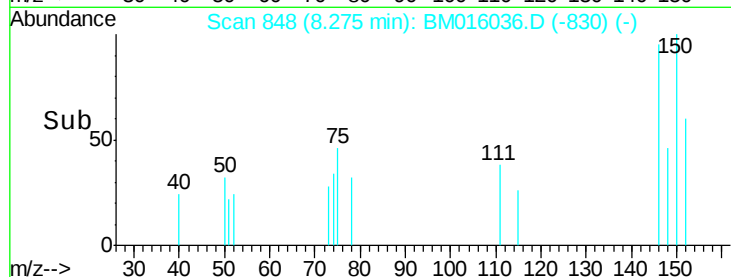
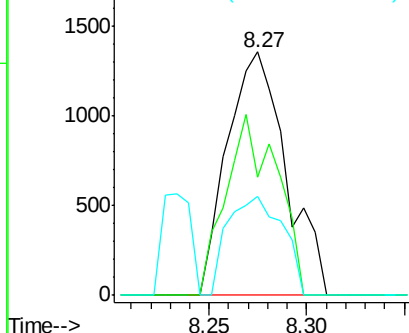
#13
 1,4-Dichlorobenzene
 Concen: 0.801 ng
 RT: 8.27 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

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

Tgt Ion:146 Resp: 2831
 Ion Ratio Lower Upper
 146 100
 148 48.6 51.9 77.9#
 111 40.4 29.2 43.8

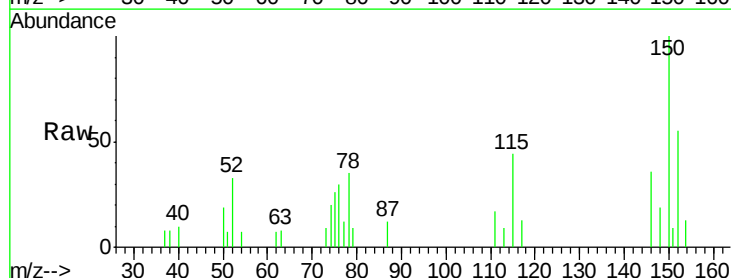


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

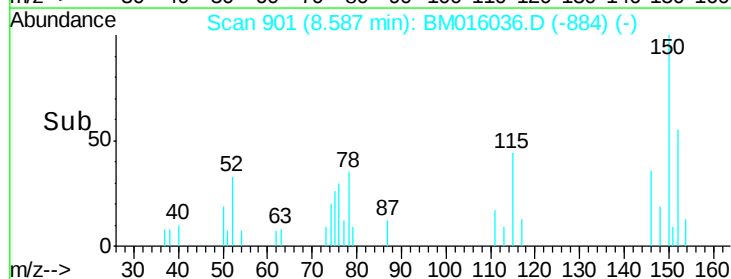
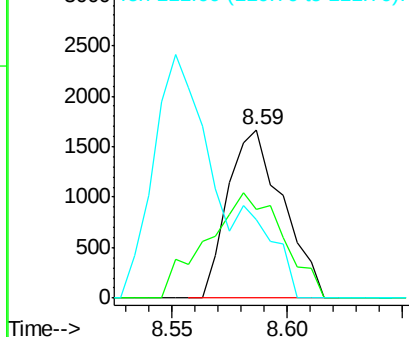


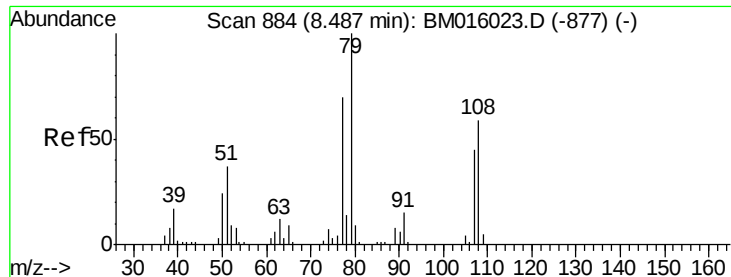
#14
 1,2-Dichlorobenzene
 Concen: 0.796 ng
 RT: 8.59 min Scan# 901
 Delta R.T. -0.00 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion:146 Resp: 2754
 Ion Ratio Lower Upper
 146 100
 148 52.4 52.3 78.5
 111 46.5 30.6 45.8#



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





#15

Benzyl Alcohol

Concen: 2.472 ng

RT: 8.55 min Scan# 895

Delta R.T. 0.06 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

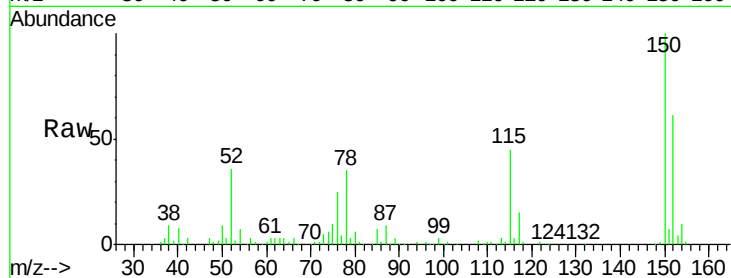
Tgt Ion: 79 Resp: 6438

Ion Ratio Lower Upper

79 100

108 70.7 65.0 97.4

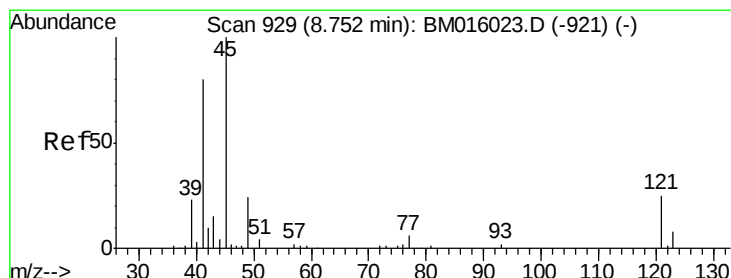
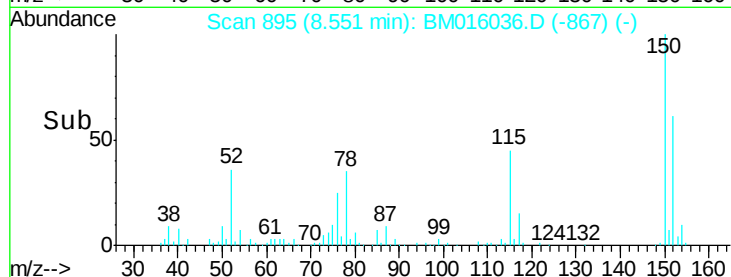
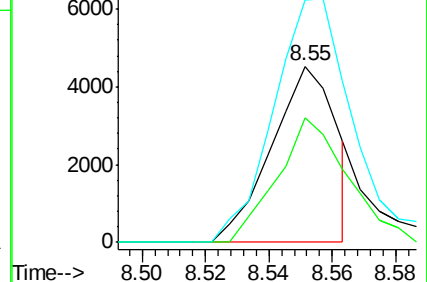
77 137.2 53.0 79.6#



Abundance Ion 79.00 (78.70 to 79.70): BM016023.D (-877) (-)

Ion 108.00 (107.70 to 108.70): BM016023.D (-877) (-)

Ion 77.00 (76.70 to 77.70): BM016023.D (-877) (-)



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.760 ng

RT: 8.77 min Scan# 932

Delta R.T. 0.02 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

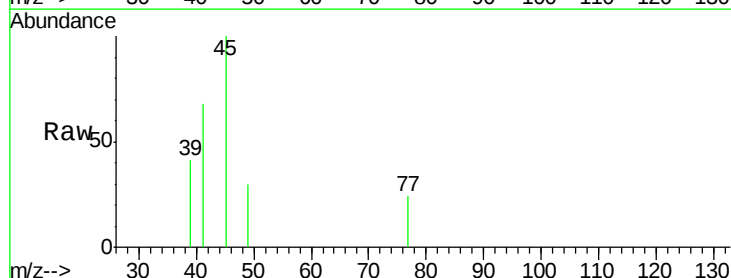
Tgt Ion: 45 Resp: 3006

Ion Ratio Lower Upper

45 100

77 23.7 0.0 35.2

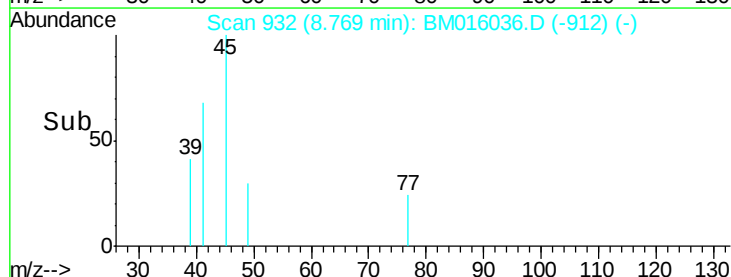
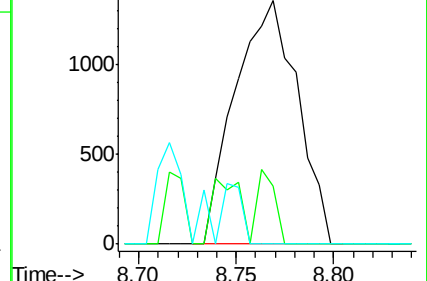
79 0.0 0.0 32.0

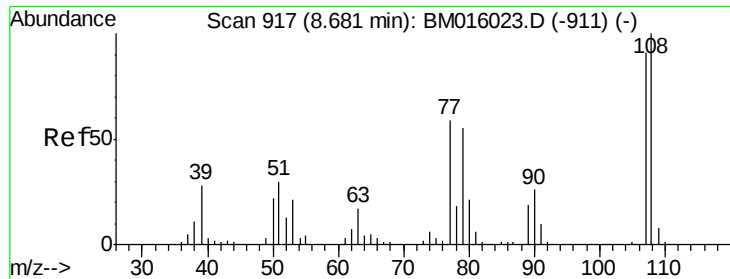


Abundance Ion 45.00 (44.70 to 45.70): BM016023.D (-921) (-)

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

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

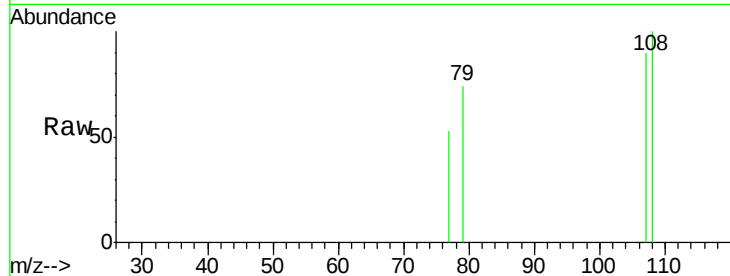




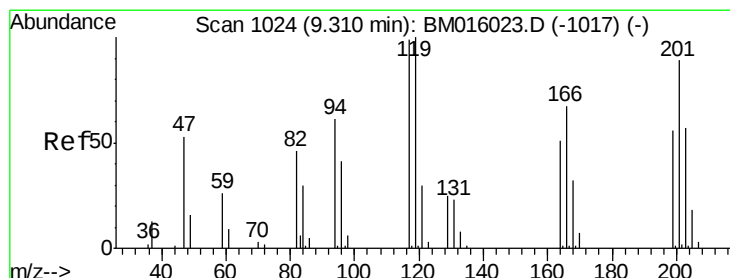
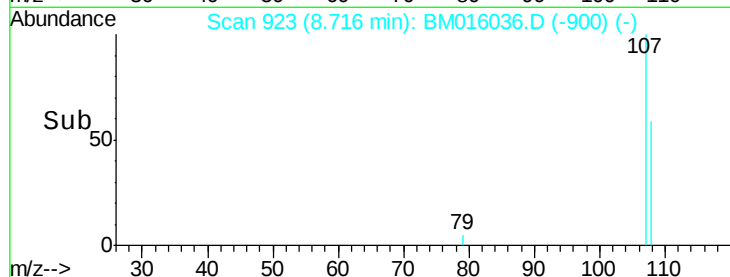
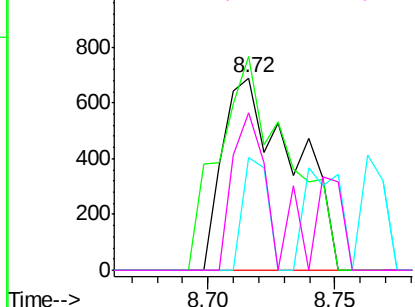
#17
2-Methylphenol
Concen: 0.601 ng
RT: 8.72 min Scan# 923
Delta R.T. 0.03 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

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

Tgt Ion:107 Resp: 1343
Ion Ratio Lower Upper
107 100
108 111.2 89.8 134.8
77 58.8 32.6 48.8#
79 81.9 32.8 49.2#

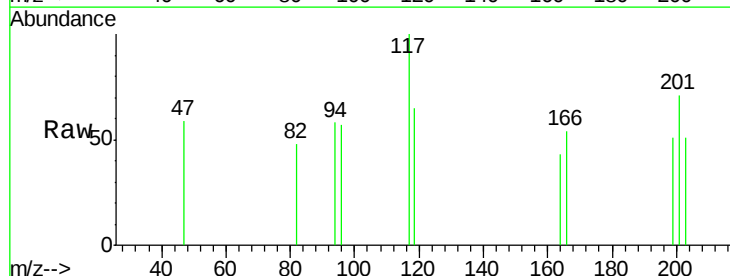


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

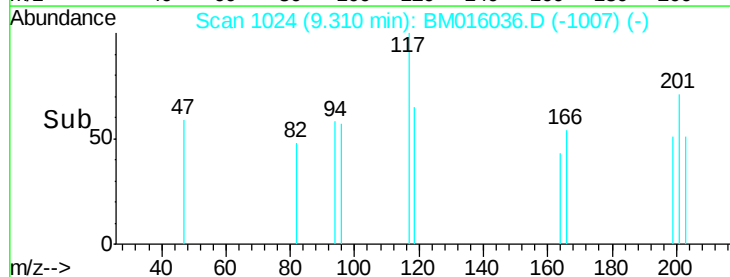
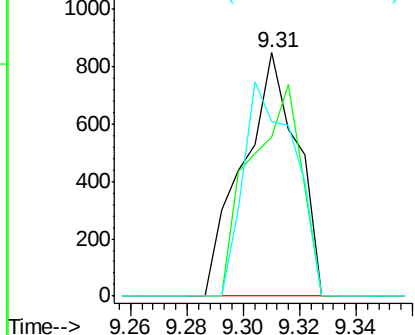


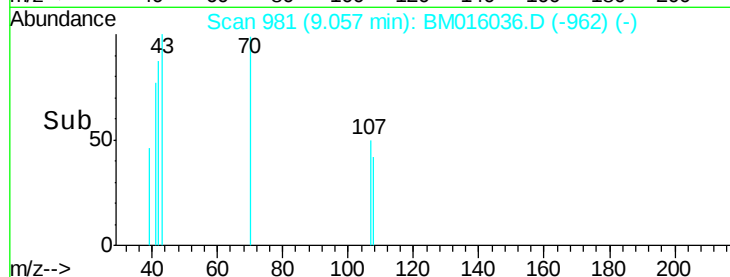
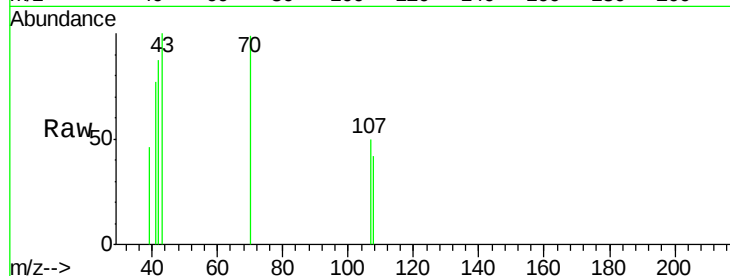
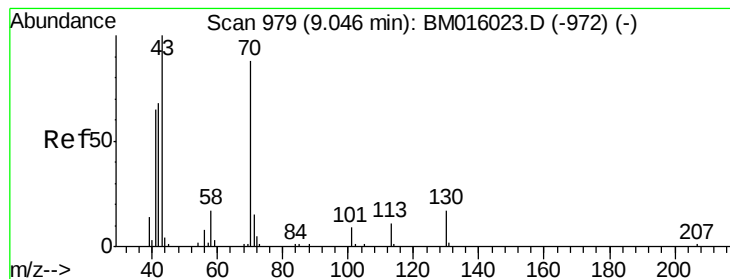
#18
Hexachloroethane
Concen: 0.737 ng
RT: 9.31 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:117 Resp: 1126
Ion Ratio Lower Upper
117 100
119 65.4 79.2 118.8#
201 71.5 69.8 104.6



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





#19

n-Nitroso-di-n-propylamine

Concen: 0.596 ng

RT: 9.06 min Scan# 981

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 70 Resp: 1425

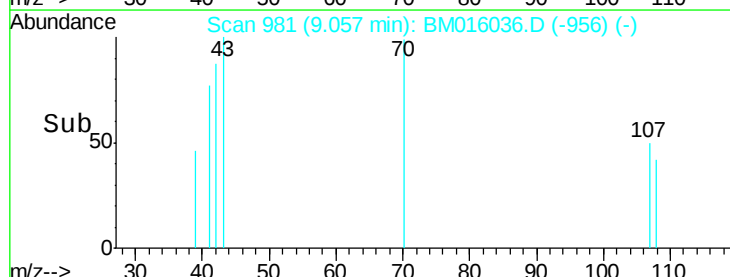
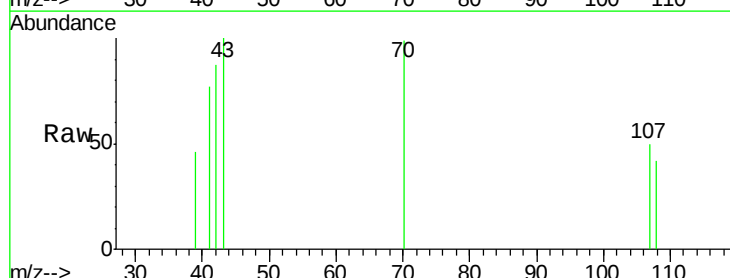
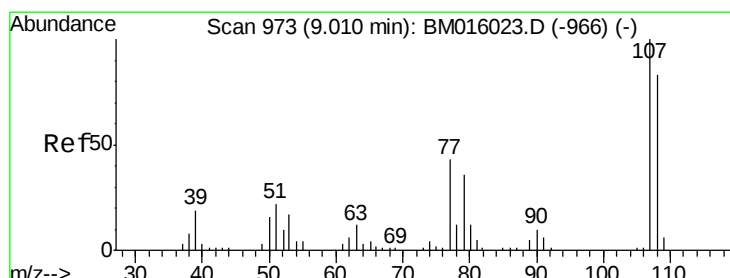
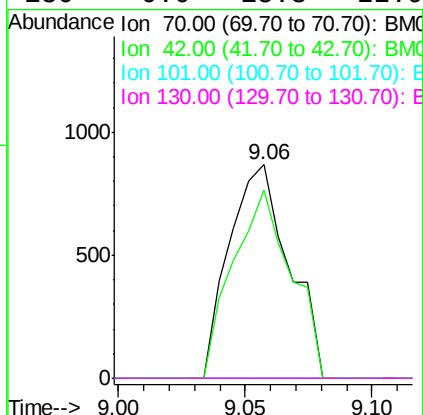
Ion Ratio Lower Upper

70 100

42 88.4 44.5 66.7#

101 0.0 7.4 11.2#

130 0.0 15.3 22.9#



#20

3+4-Methylphenols

Concen: 0.165 ng

RT: 9.06 min Scan# 981

Delta R.T. 0.05 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Tgt Ion: 107 Resp: 530

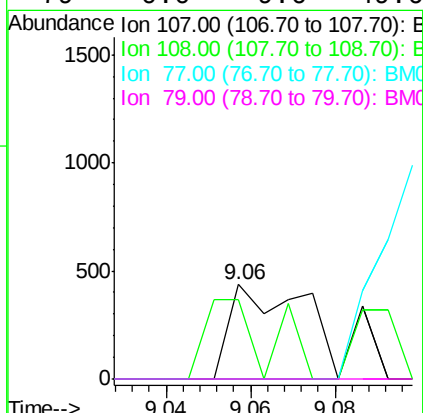
Ion Ratio Lower Upper

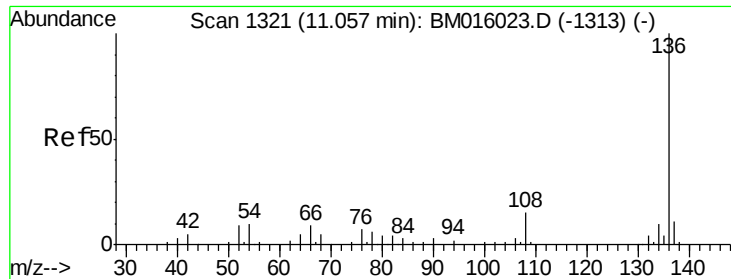
107 100

108 84.5 73.2 113.2

77 0.0 10.7 50.7#

79 0.0 9.6 49.6#

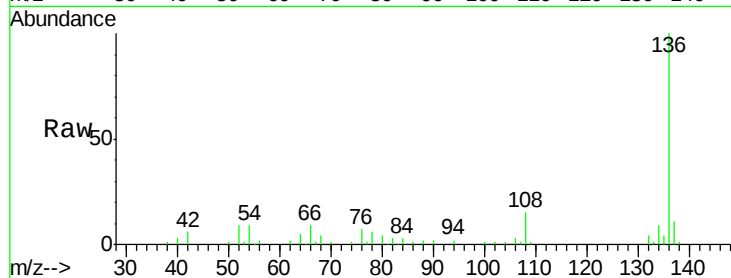




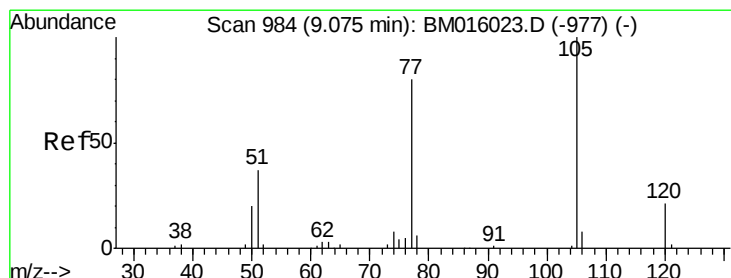
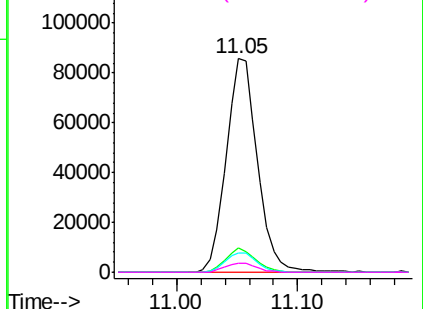
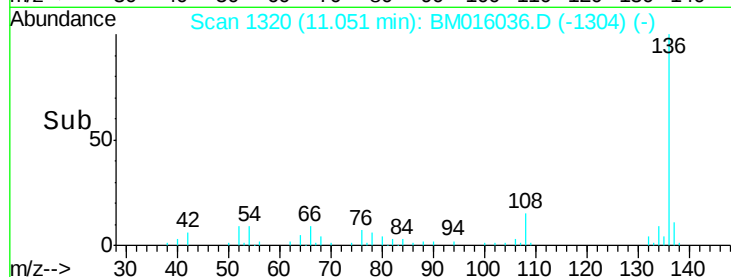
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.05 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

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

Tgt Ion:	136	Resp:	153568
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	9.2	4.6	6.8#
68	4.0	3.7	5.5

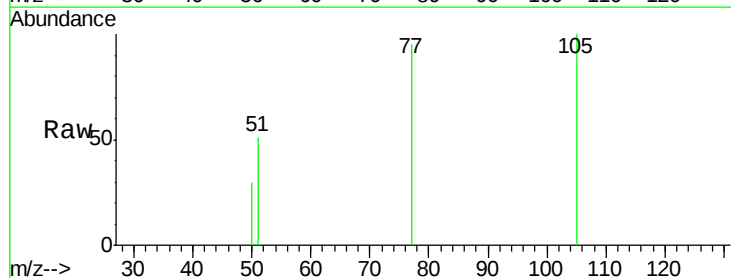


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

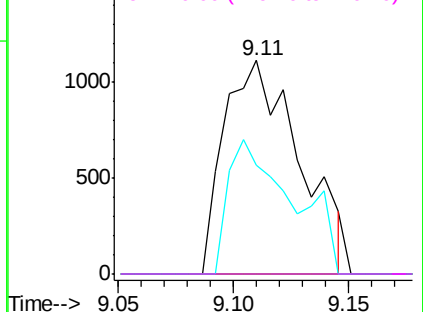
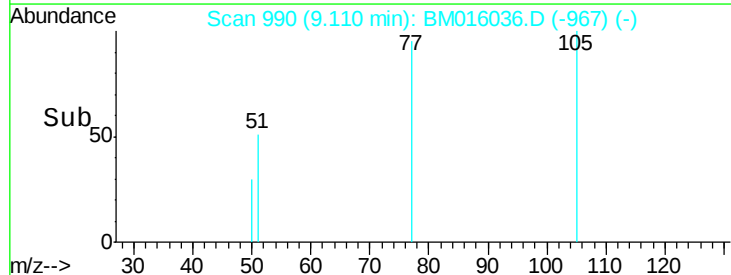


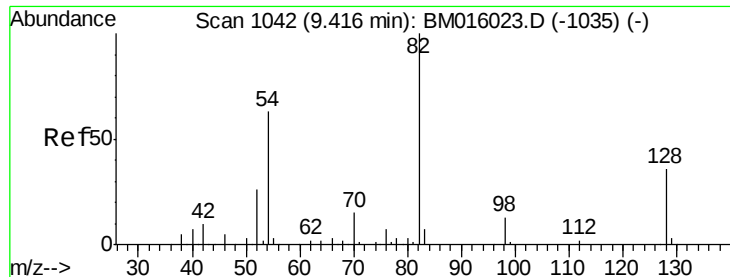
#22
Acetophenone
Concen: 0.655 ng
RT: 9.11 min Scan# 990
Delta R.T. 0.03 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:	105	Resp:	2533
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.6	1.0#
51	50.9	21.6	32.4#
120	0.0	16.1	24.1#



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

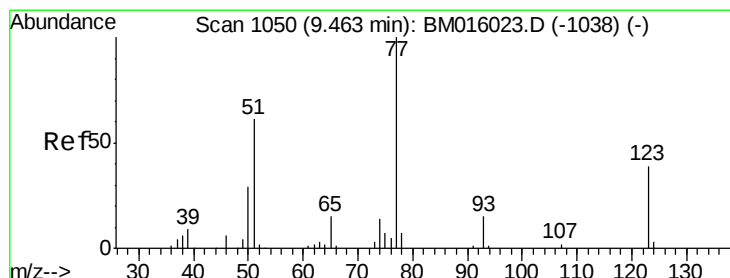
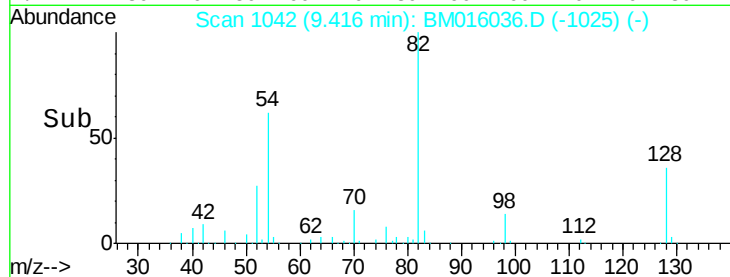
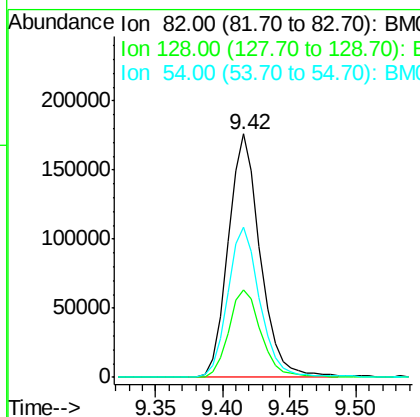
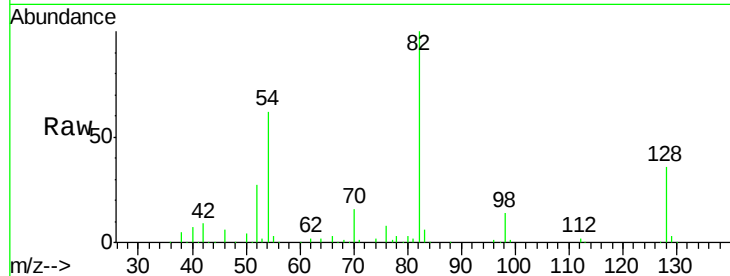




#23
 Nitrobenzene-d5
 Concen: 0.655 ng
 RT: 9.42 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

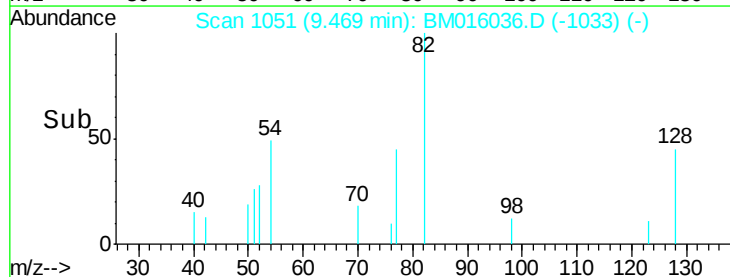
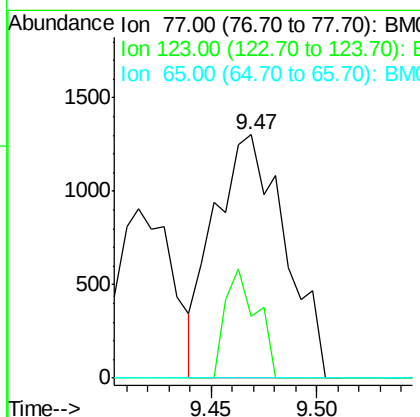
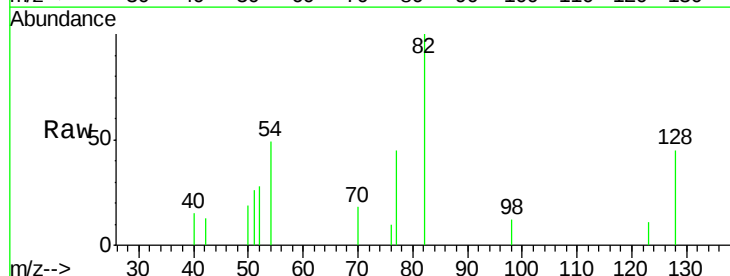
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

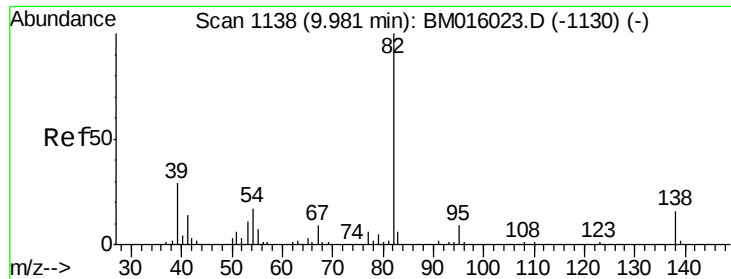
Tgt Ion: 82 Resp: 295124
 Ion Ratio Lower Upper
 82 100
 128 35.8 32.8 49.2
 54 61.6 40.6 60.8#



#24
 Nitrobenzene
 Concen: 0.906 ng
 RT: 9.47 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion: 77 Resp: 3011
 Ion Ratio Lower Upper
 77 100
 123 25.5 32.6 49.0#
 65 0.0 10.9 16.3#





#25

Isophorone

Concen: 0.831 ng

RT: 9.99 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

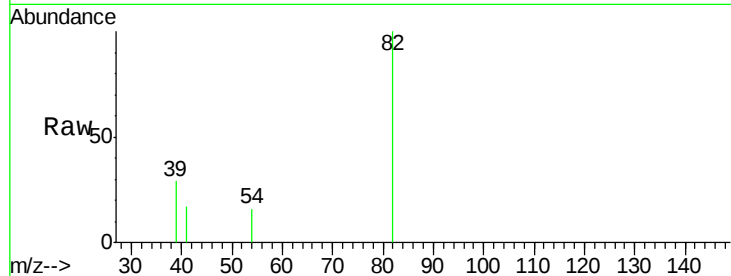
BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 82 Resp: 3753

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	16.3	24.5#

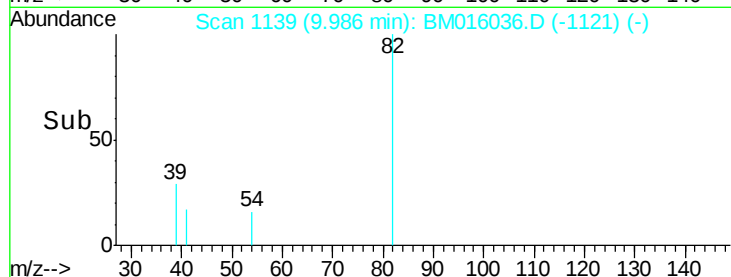


Abundance Ion 82.00 (81.70 to 82.70): BM016023.D (-1130) (-)

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

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

Time-->



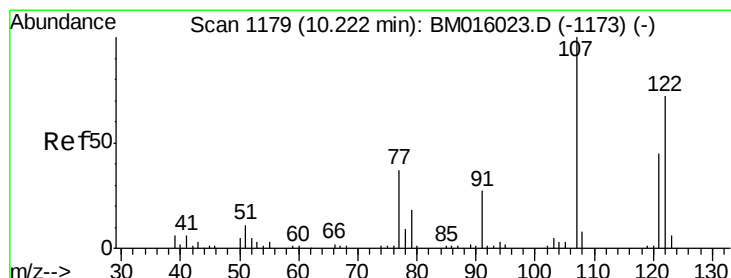
Abundance

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

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

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

Time-->



#27

2,4-Dimethylphenol

Concen: 0.554 ng

RT: 10.25 min Scan# 1184

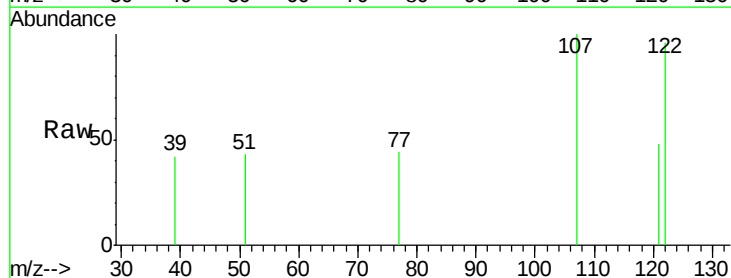
Delta R.T. 0.03 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Tgt Ion: 122 Resp: 1070

Ion	Ratio	Lower	Upper
122	100		
107	104.3	84.7	127.1
121	49.6	46.6	69.8

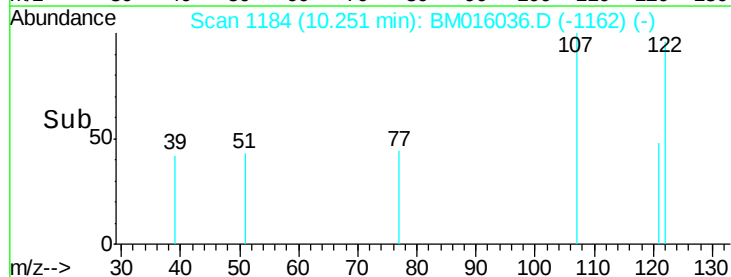


Abundance Ion 122.00 (121.70 to 122.70): BM016023.D (-1173) (-)

Ion 107.00 (106.70 to 107.70): BM016023.D (-1173) (-)

Ion 121.00 (120.70 to 121.70): BM016023.D (-1173) (-)

Time-->



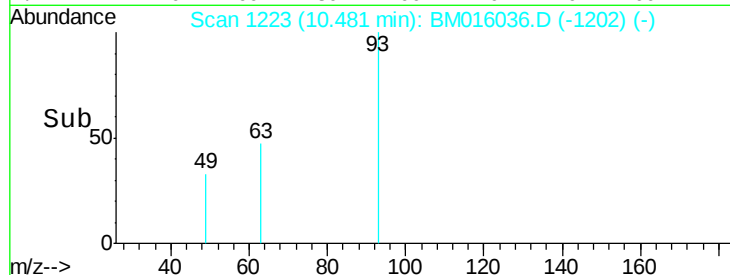
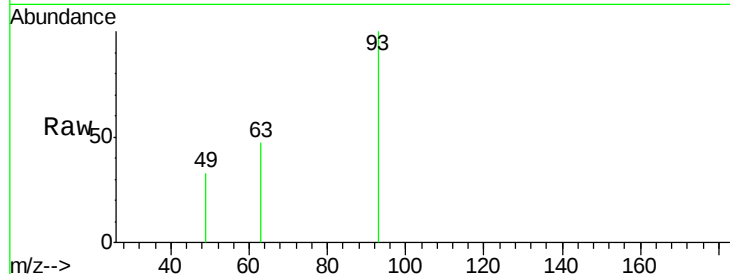
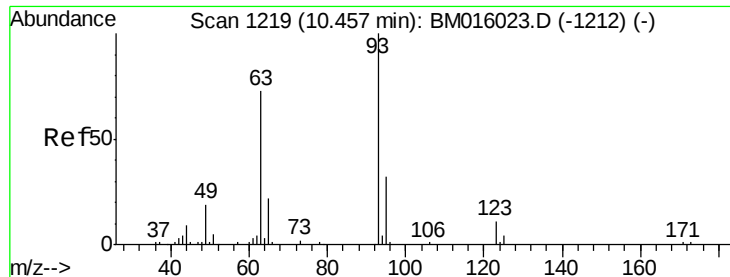
Abundance

Ion 122.00 (121.70 to 122.70): BM016023.D (-1173) (-)

Ion 107.00 (106.70 to 107.70): BM016023.D (-1173) (-)

Ion 121.00 (120.70 to 121.70): BM016023.D (-1173) (-)

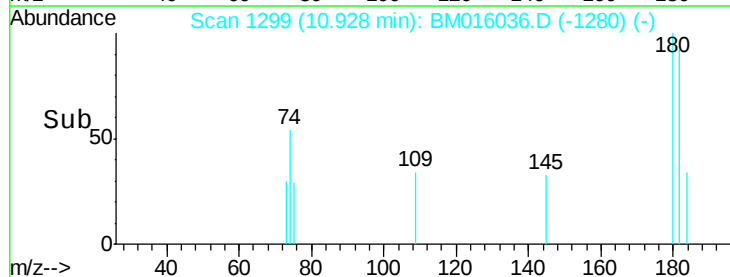
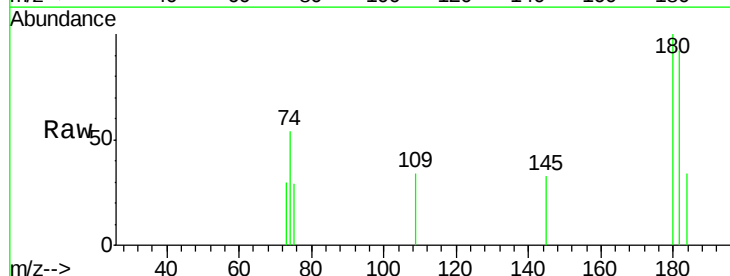
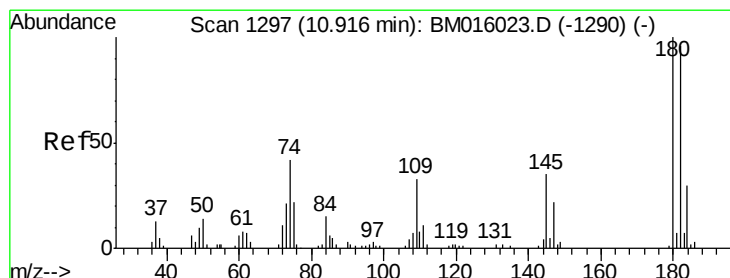
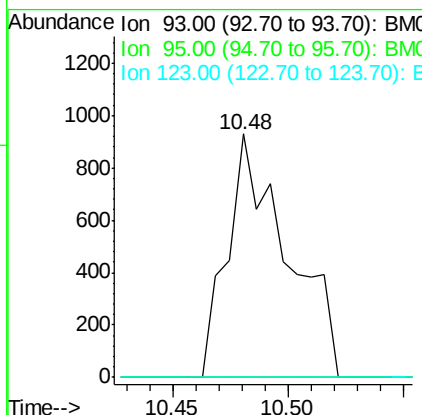
Time-->



#28
bis(2-Chloroethoxy)methane
Concen: 0.572 ng
RT: 10.48 min Scan# 1223
Delta R.T. 0.02 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

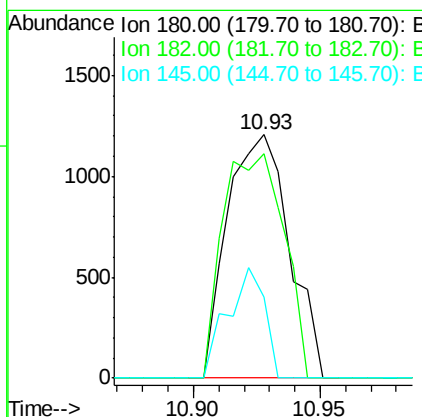
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

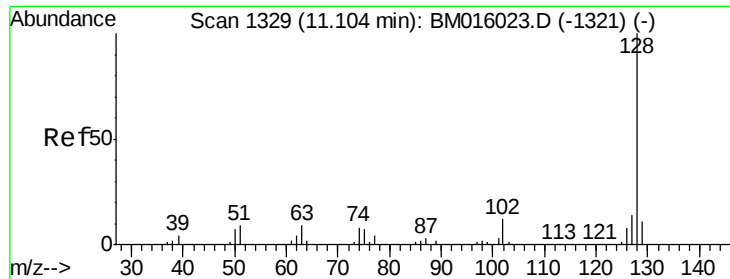
Tgt Ion: 93 Resp: 1680
Ion Ratio Lower Upper
93 100
95 0.0 25.5 38.3#
123 0.0 8.6 13.0#



#30
1,2,4-Trichlorobenzene
Concen: 0.739 ng
RT: 10.93 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 180 Resp: 2061
Ion Ratio Lower Upper
180 100
182 92.1 77.6 116.4
145 33.4 23.4 35.2

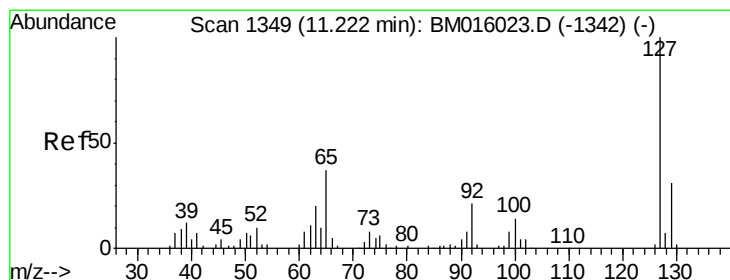
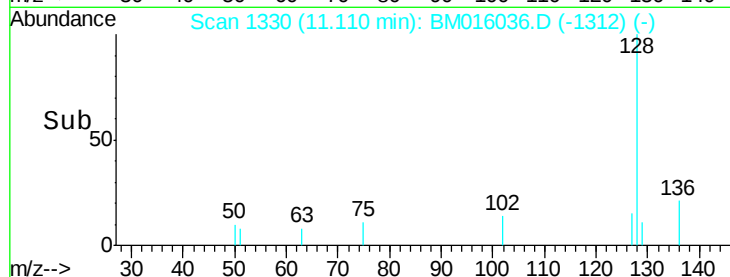
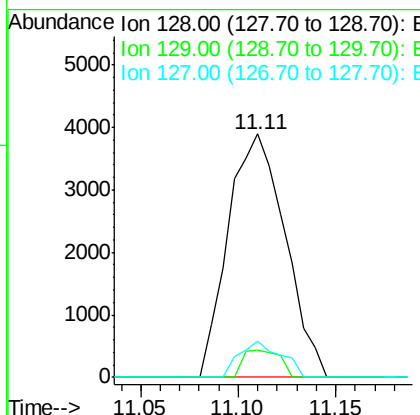
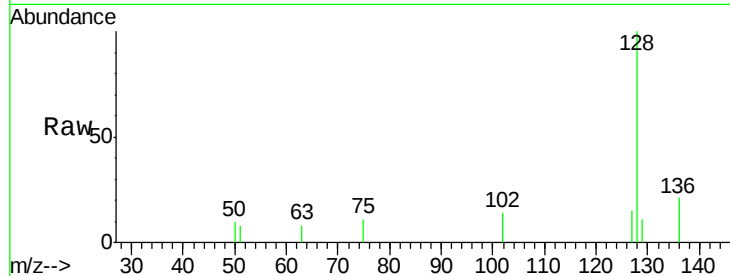




#31
Naphthalene
Concen: 1.012 ng
RT: 11.11 min Scan# 1330
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

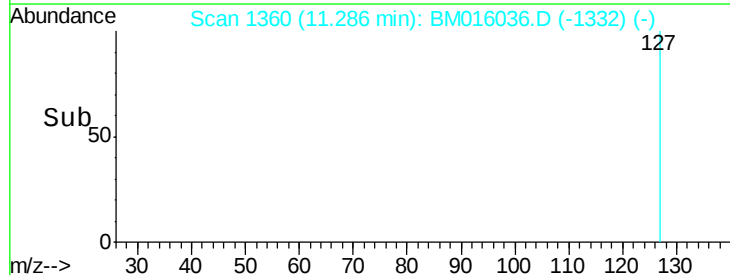
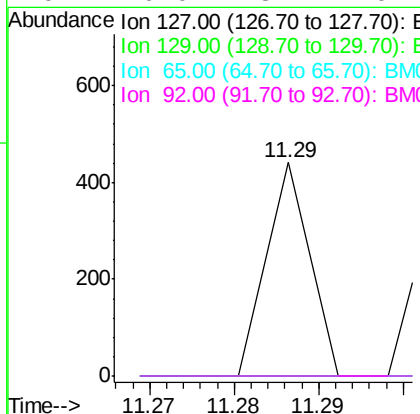
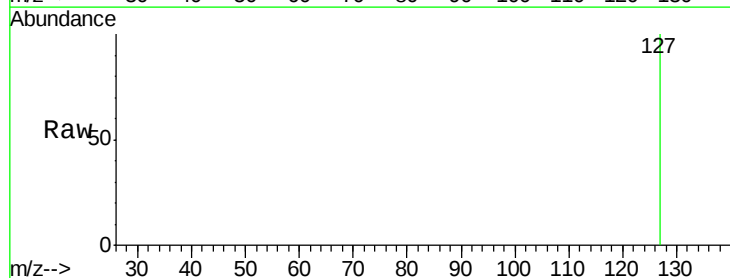
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

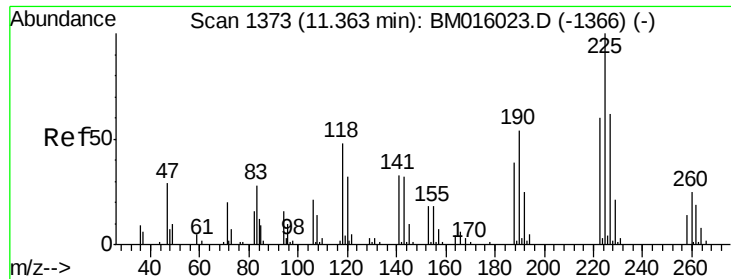
Tgt Ion:128 Resp: 7862
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 15.1 10.4 15.6



#33
4-Chloroaniline
Concen: 0.049 ng
RT: 11.29 min Scan# 1360
Delta R.T. 0.06 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:127 Resp: 156
Ion Ratio Lower Upper
127 100
129 0.0 25.3 37.9#
65 0.0 17.6 26.4#
92 0.0 13.1 19.7#

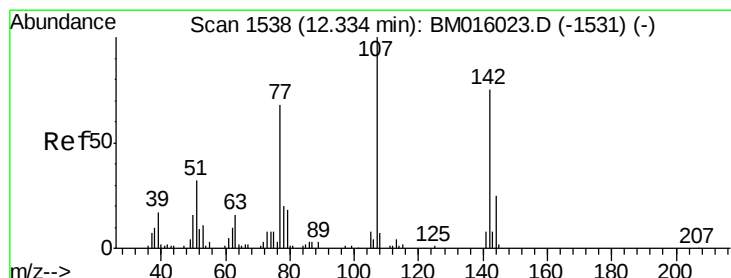
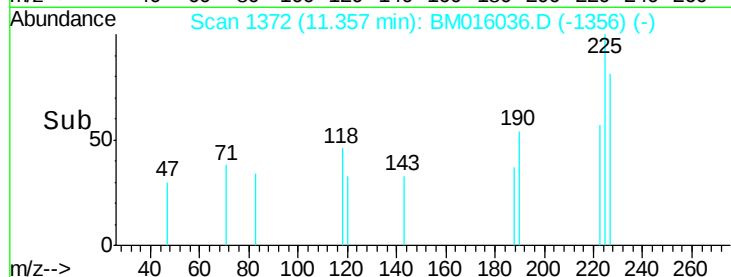
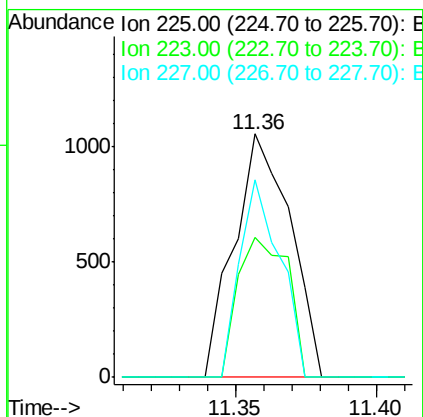
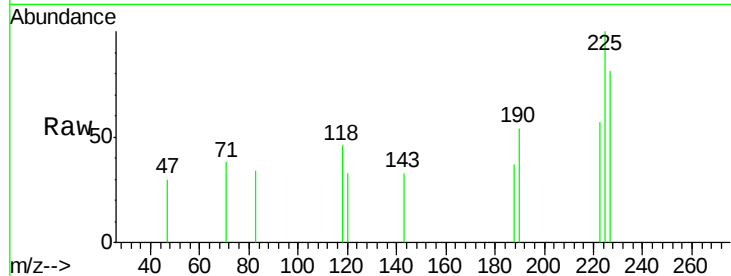




#34
Hexachlorobutadiene
Concen: 0.752 ng
RT: 11.36 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

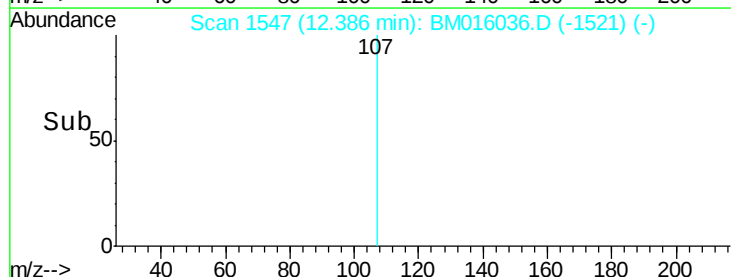
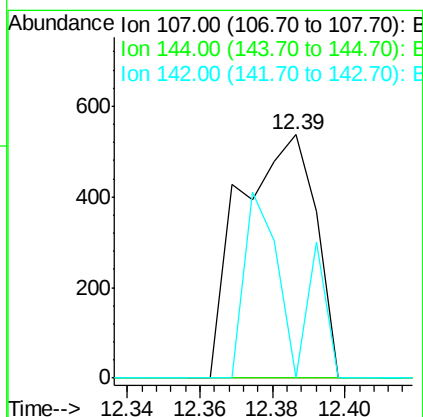
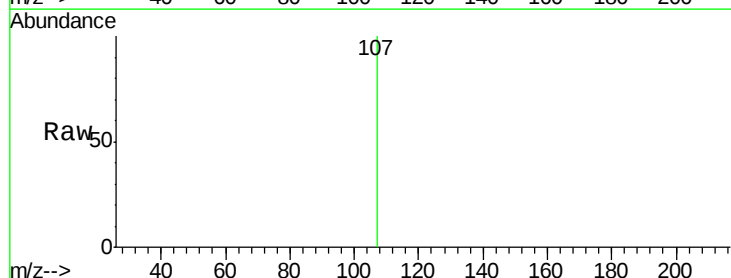
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

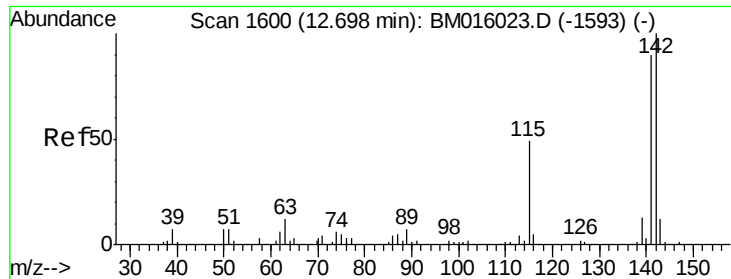
Tgt Ion: 225 Resp: 1455
Ion Ratio Lower Upper
225 100
223 57.3 47.9 71.9
227 81.1 50.1 75.1#



#36
4-Chloro-3-methylphenol
Concen: 0.308 ng
RT: 12.39 min Scan# 1547
Delta R.T. 0.05 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 107 Resp: 778
Ion Ratio Lower Upper
107 100
144 0.0 23.3 34.9#
142 0.0 72.6 109.0#

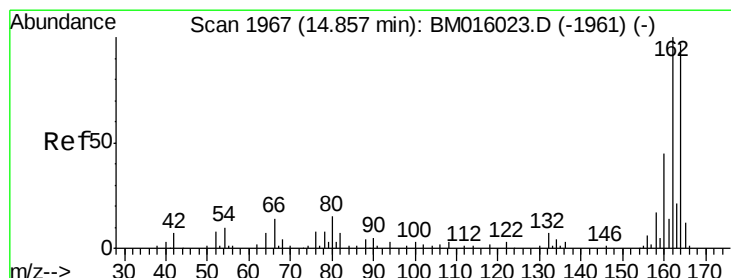
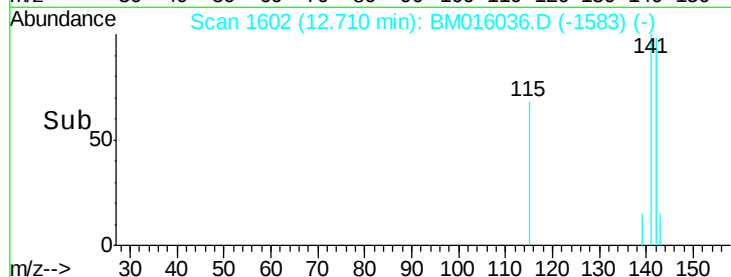
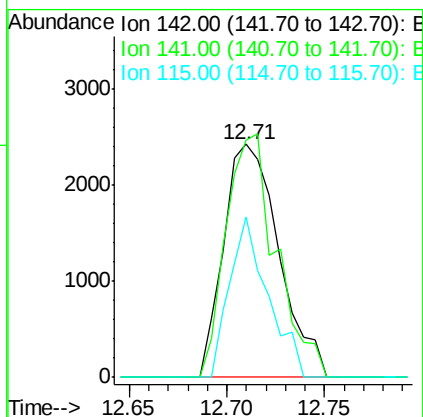
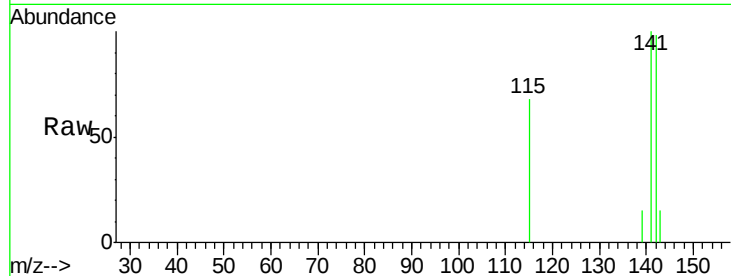




#37
 2-Methylnaphthalene
 Concen: 0.914 ng
 RT: 12.71 min Scan# 1602
 Delta R.T. 0.01 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

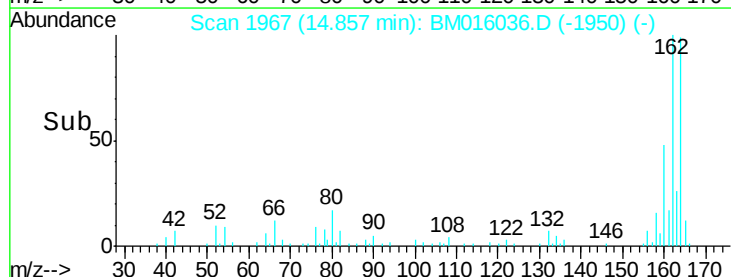
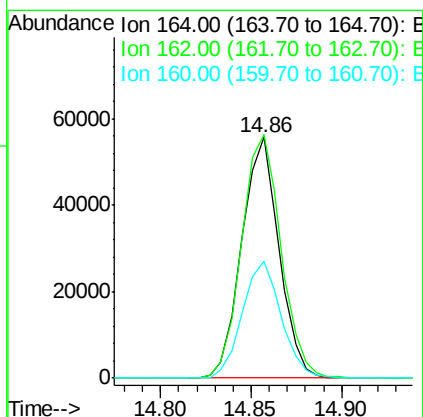
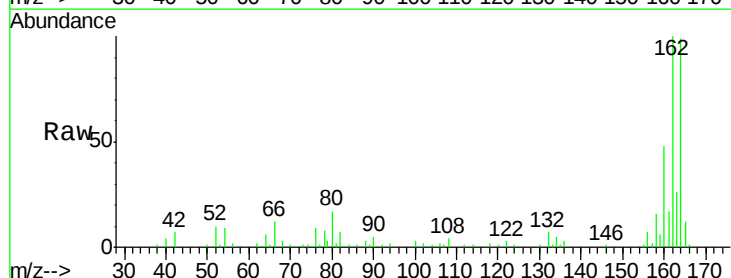
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

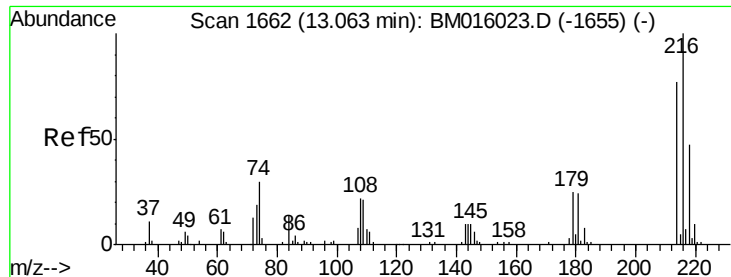
Tgt Ion:142 Resp: 4761
 Ion Ratio Lower Upper
 142 100
 141 101.9 71.9 107.9
 115 68.9 25.4 38.0#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.86 min Scan# 1967
 Delta R.T. -0.00 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion:164 Resp: 79444
 Ion Ratio Lower Upper
 164 100
 162 101.1 82.4 123.6
 160 48.3 35.8 53.6

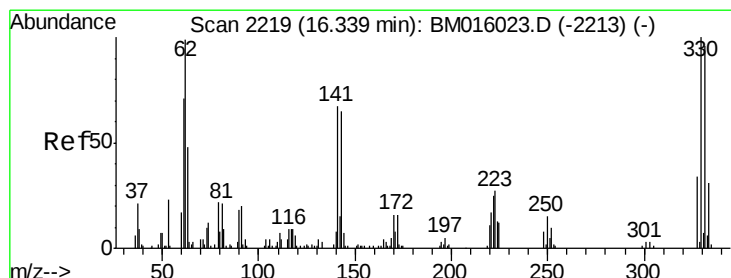
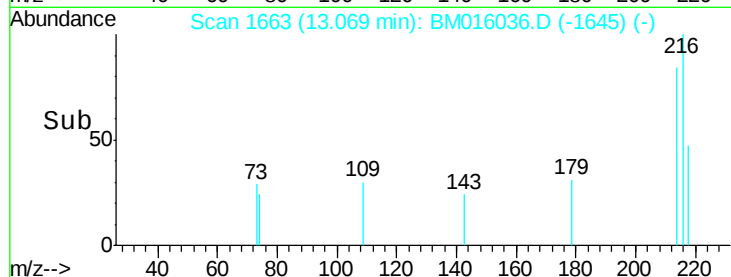
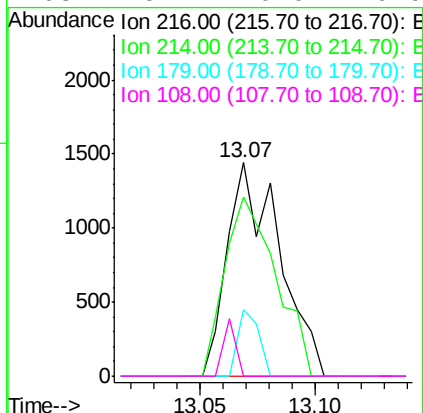
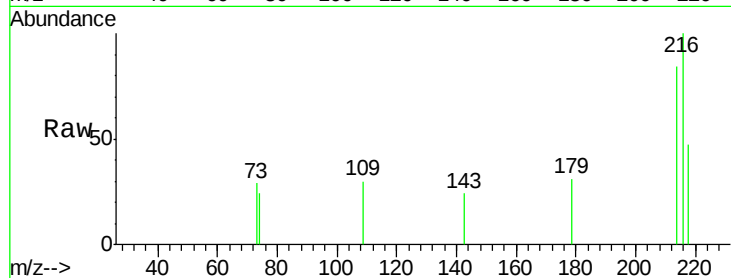




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 0.835 ng
 RT: 13.07 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

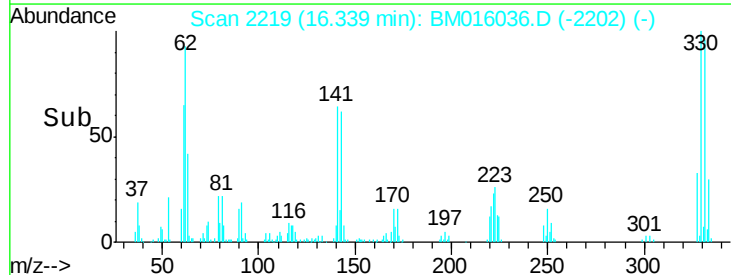
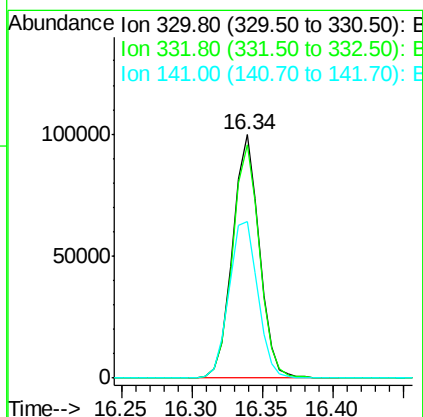
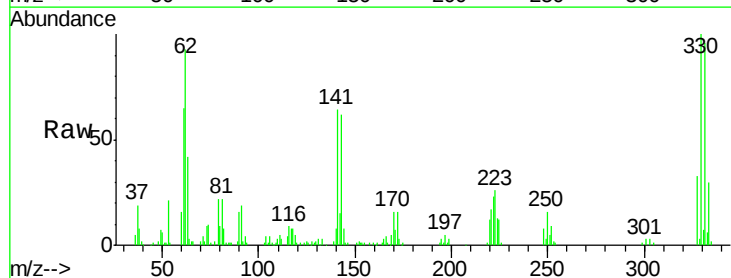
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

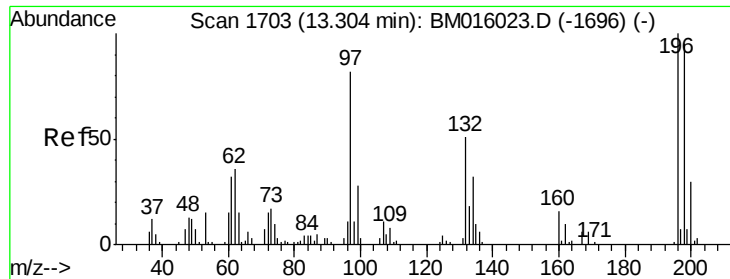
Tgt Ion:	216	Resp:	2258
Ion	Ratio	Lower	Upper
216	100		
214	82.3	0.0	0.0#
179	12.5	0.0	0.0#
108	6.1	0.0	0.0#



#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.34 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion:	330	Resp:	131568
Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	69.2	0.0	0.0#

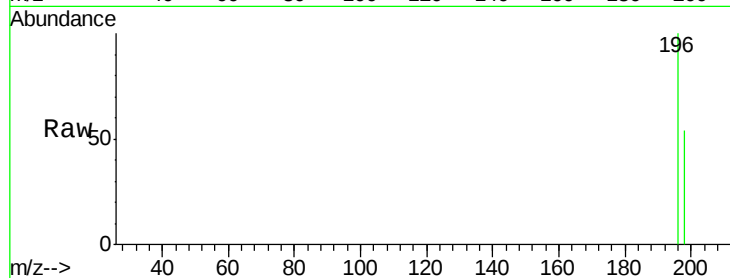




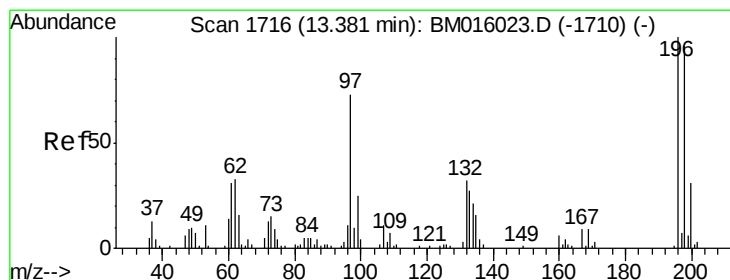
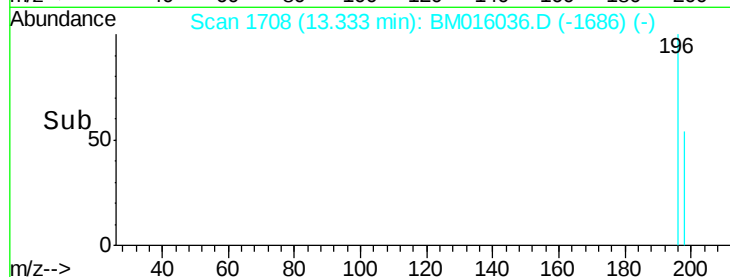
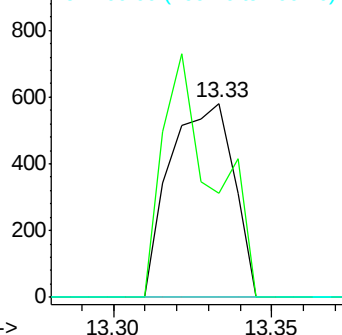
#42
 2,4,6-Trichlorophenol
 Concen: 0.476 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. 0.03 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

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

Tgt Ion:196 Resp: 805
 Ion Ratio Lower Upper
 196 100
 198 53.6 76.3 114.5#
 200 0.0 25.6 38.4#

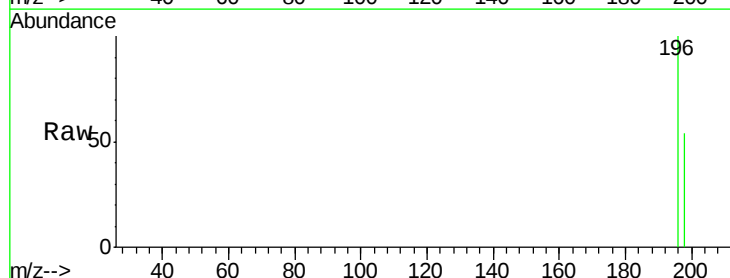


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

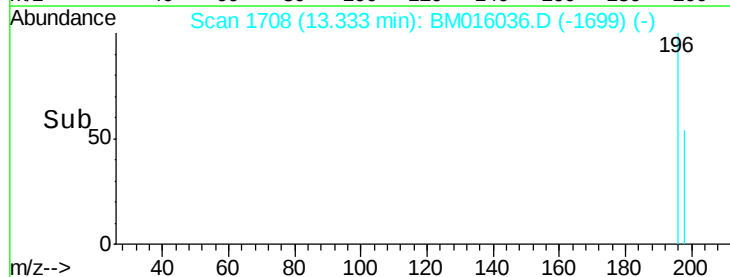
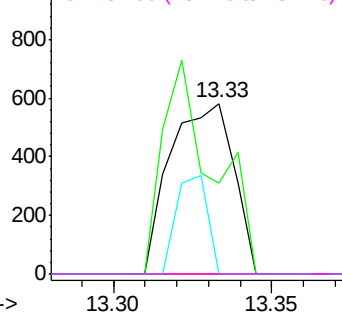


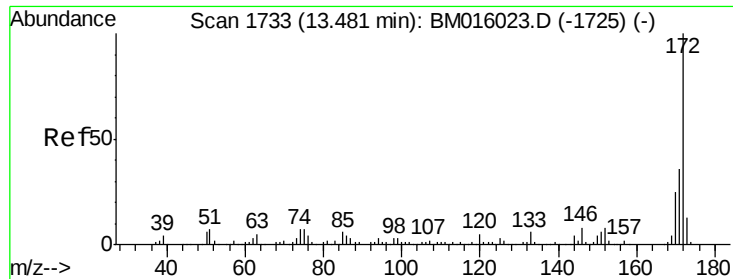
#43
 2,4,5-Trichlorophenol
 Concen: 0.461 ng
 RT: 13.33 min Scan# 1708
 Delta R.T. -0.05 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion:196 Resp: 805
 Ion Ratio Lower Upper
 196 100
 198 53.6 79.4 119.0#
 97 0.0 26.8 40.2#
 132 0.0 18.6 28.0#



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

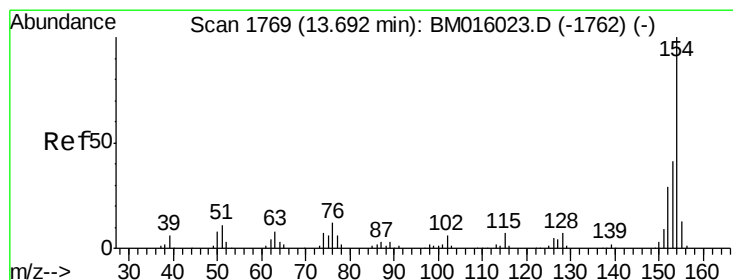
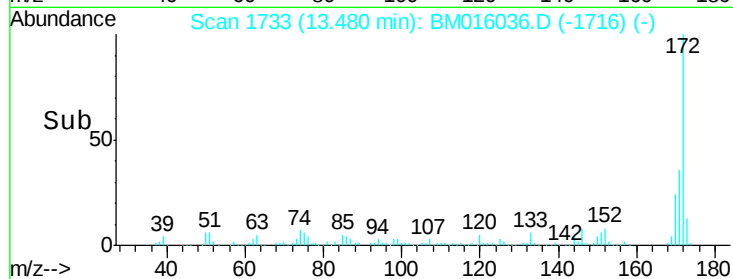
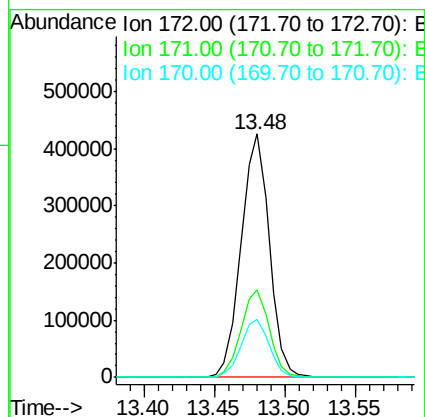
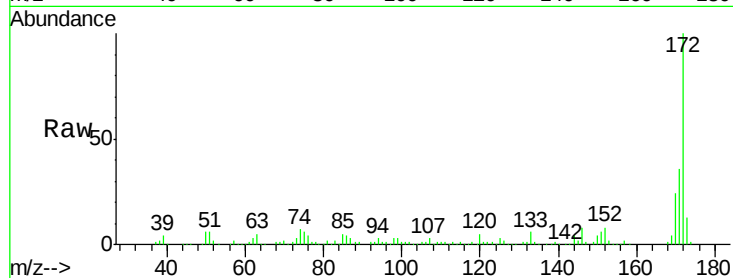




#44
 2-Fluorobiphenyl
 Concen: 0.461 ng
 RT: 13.48 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

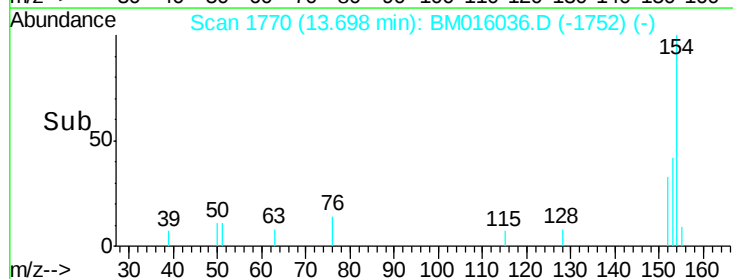
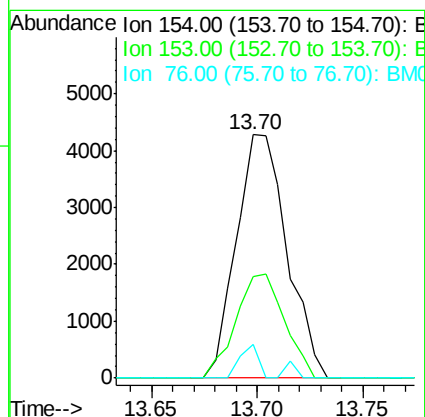
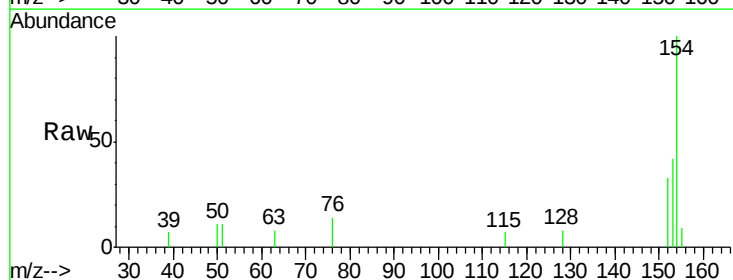
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

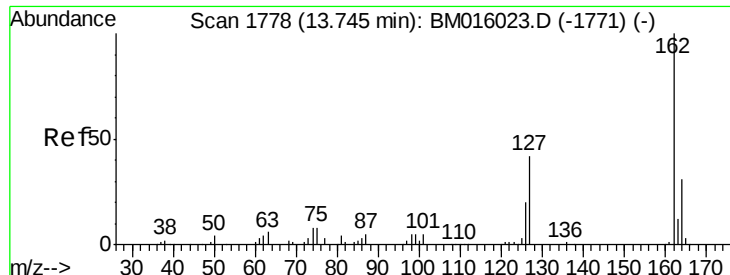
Tgt Ion:172 Resp: 592553
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.5 42.7
 170 23.8 18.8 28.2



#45
 1,1'-Biphenyl
 Concen: 0.993 ng
 RT: 13.70 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion:154 Resp: 7116
 Ion Ratio Lower Upper
 154 100
 153 41.9 20.7 60.7
 76 13.8 0.0 30.9

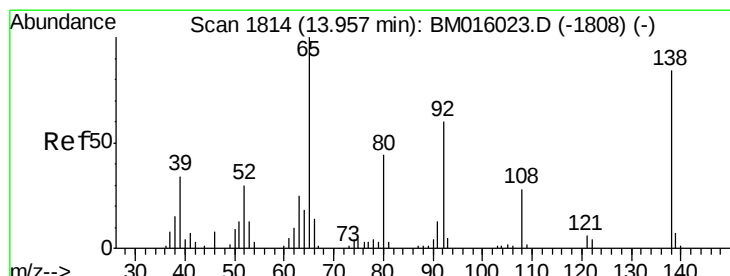
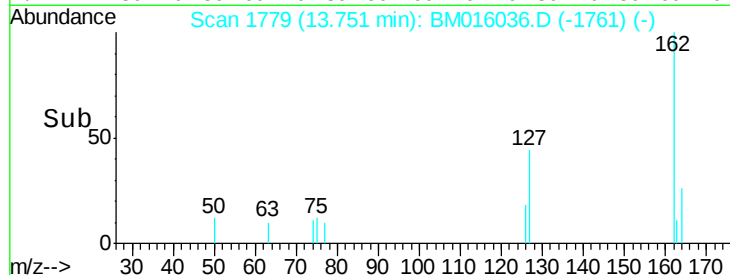
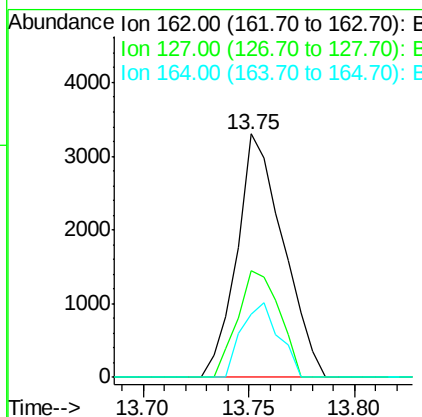
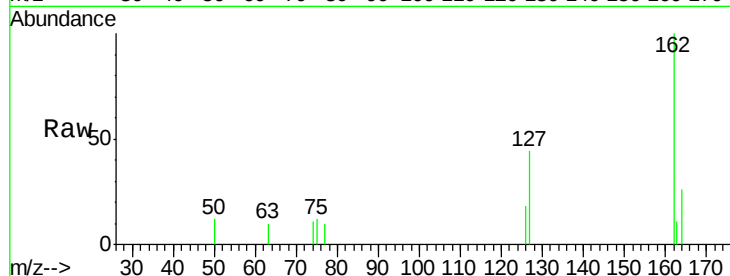




#46
 2-Chloronaphthalene
 Concen: 0.898 ng
 RT: 13.75 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

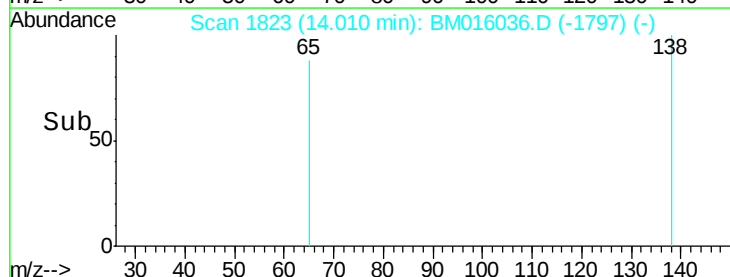
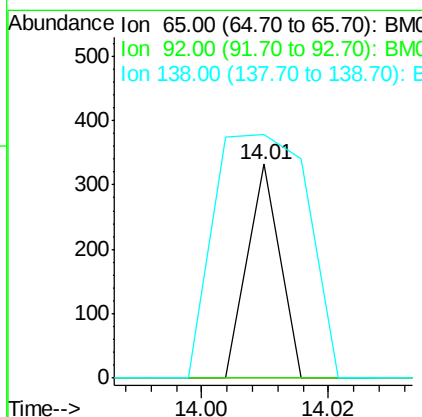
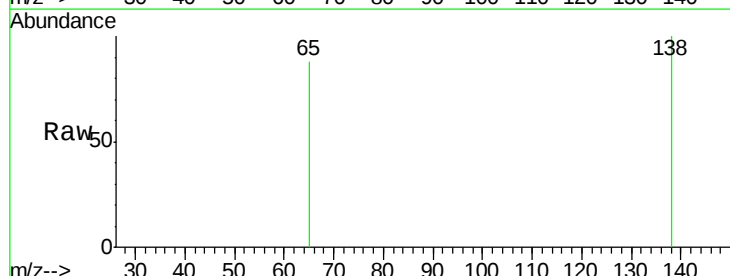
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT3-2018

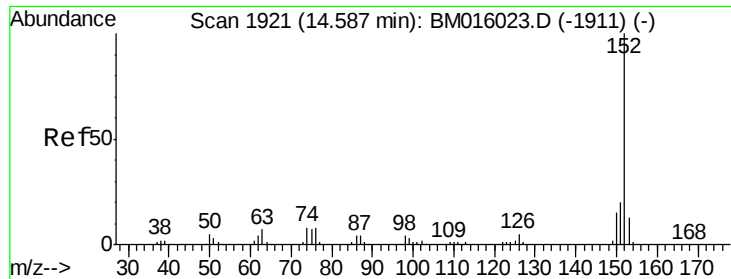
Tgt Ion: 162 Resp: 5010
 Ion Ratio Lower Upper
 162 100
 127 44.1 26.9 40.3#
 164 25.7 26.8 40.2#



#47
 2-Nitroaniline
 Concen: 0.063 ng
 RT: 14.01 min Scan# 1823
 Delta R.T. 0.05 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion: 65 Resp: 117
 Ion Ratio Lower Upper
 65 100
 92 0.0 59.1 88.7#
 138 113.9 93.9 140.9





#48

Acenaphthylene

Concen: 0.780 ng

RT: 14.59 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

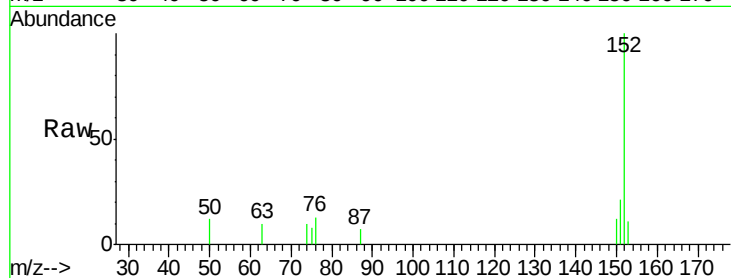
Tgt Ion:152 Resp: 6368

Ion Ratio Lower Upper

152 100

151 21.1 15.9 23.9

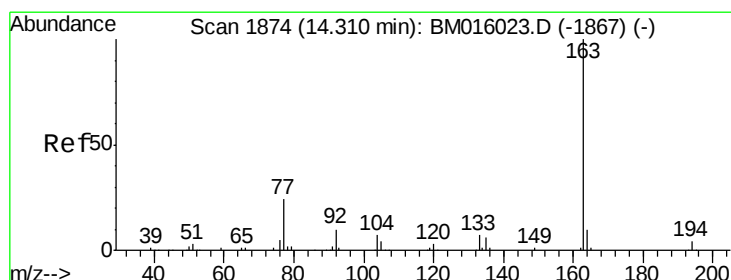
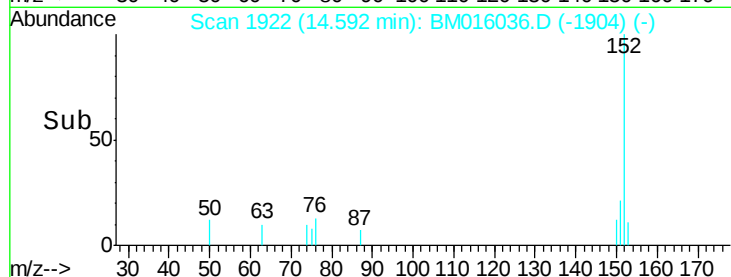
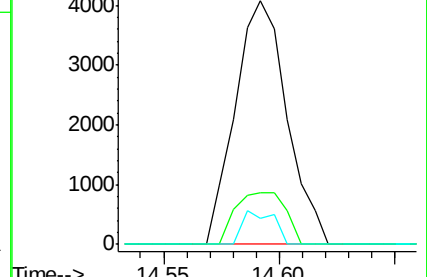
153 10.7 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.854 ng

RT: 14.31 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

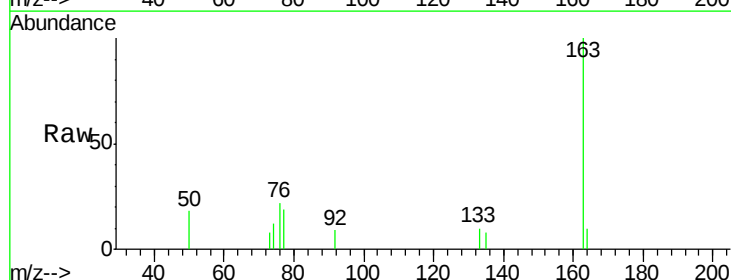
Tgt Ion:163 Resp: 5939

Ion Ratio Lower Upper

163 100

194 0.0 2.7 4.1#

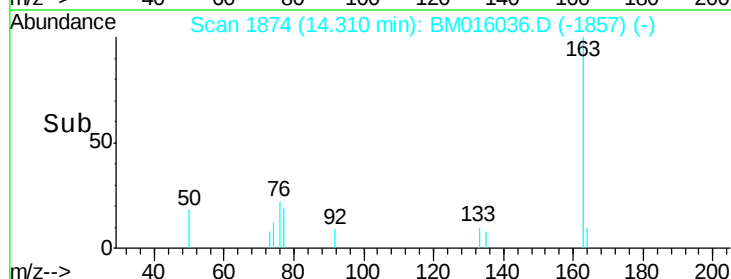
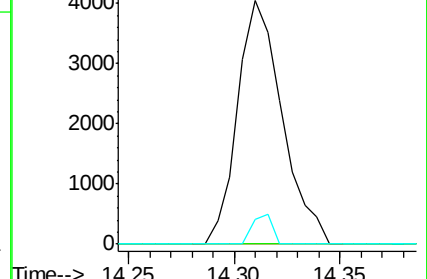
164 10.3 8.2 12.2

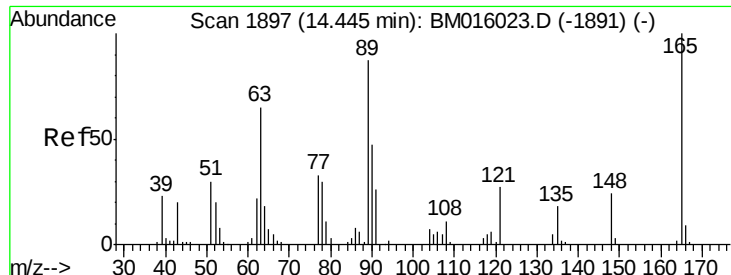


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

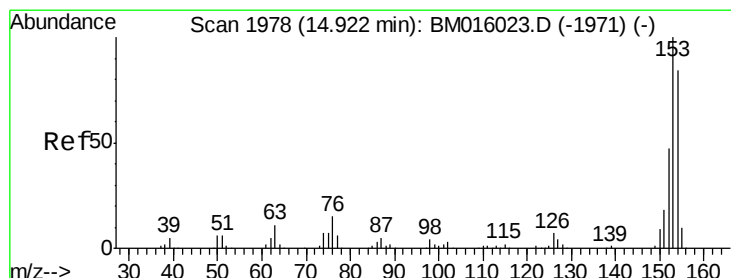
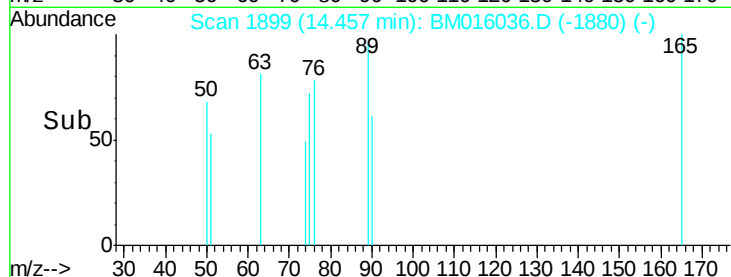
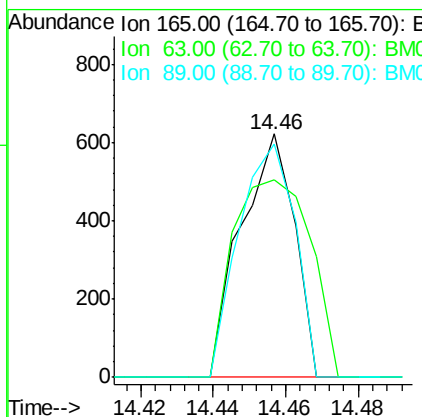
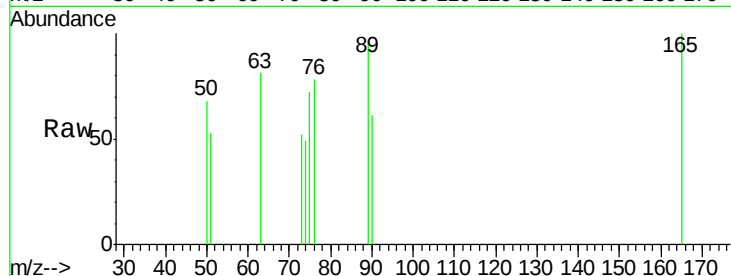




#50
2,6-Dinitrotoluene
Concen: 0.453 ng
RT: 14.46 min Scan# 1899
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

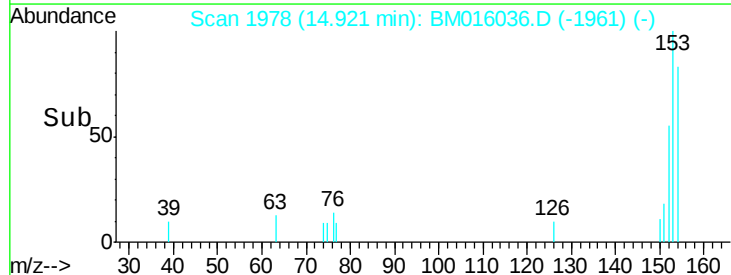
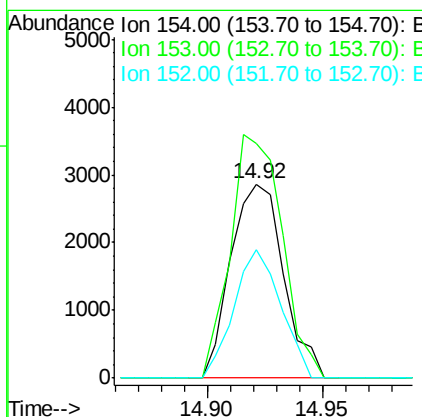
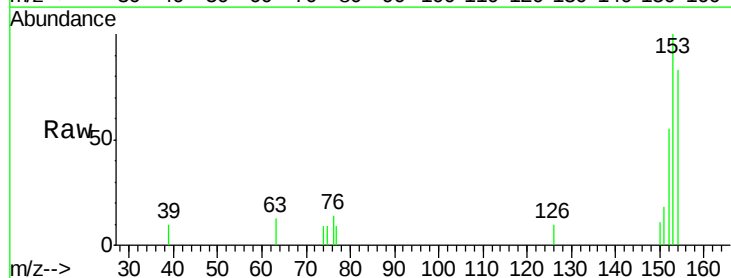
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

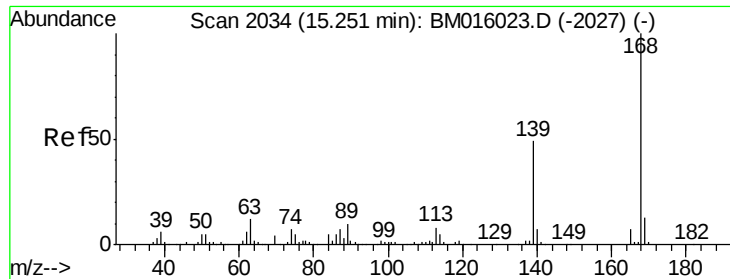
Tgt Ion:165 Resp: 633
Ion Ratio Lower Upper
165 100
63 80.9 44.1 66.1#
89 95.7 44.3 66.5#



#51
Acenaphthene
Concen: 0.908 ng
RT: 14.92 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:154 Resp: 4557
Ion Ratio Lower Upper
154 100
153 121.1 90.0 135.0
152 66.4 42.6 63.8#





#54

Dibenzofuran

Concen: 0.863 ng

RT: 15.26 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

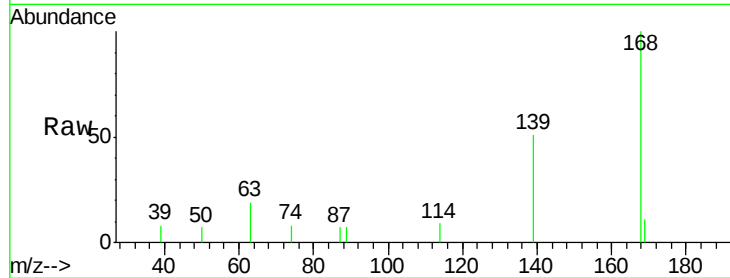
Tgt Ion:168 Resp: 7142

Ion Ratio Lower Upper

168 100

139 50.9 27.3 40.9#

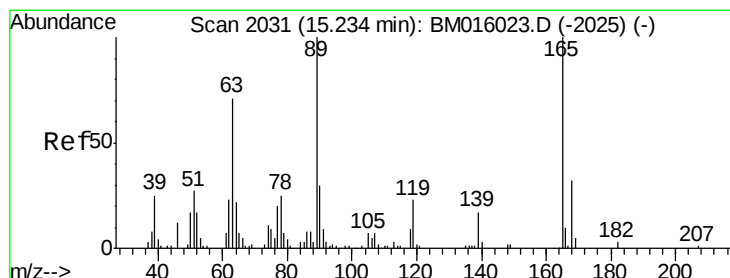
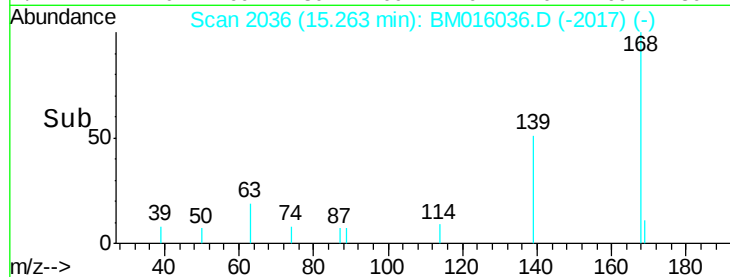
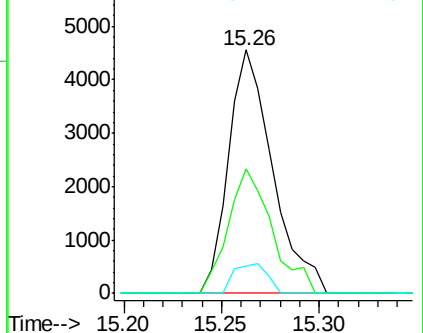
169 11.1 10.6 16.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 0.233 ng

RT: 15.27 min Scan# 2038

Delta R.T. 0.04 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Tgt Ion:165 Resp: 466

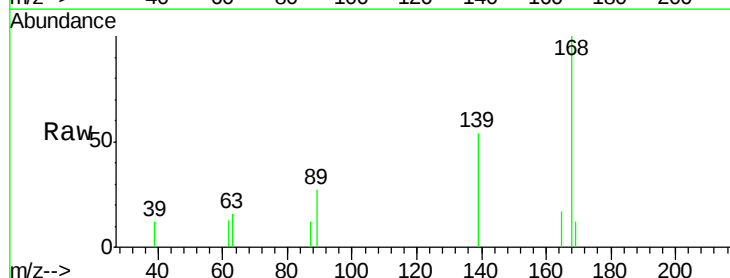
Ion Ratio Lower Upper

165 100

63 93.3 52.4 78.6#

89 160.9 72.4 108.6#

182 0.0 2.0 3.0#

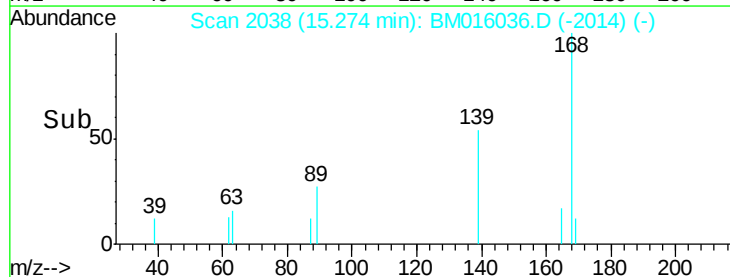
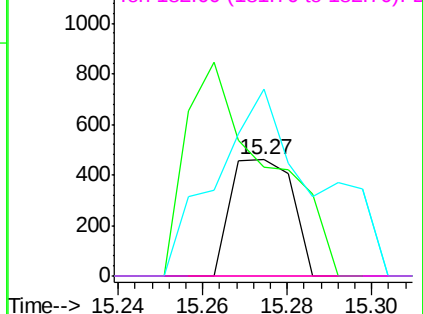


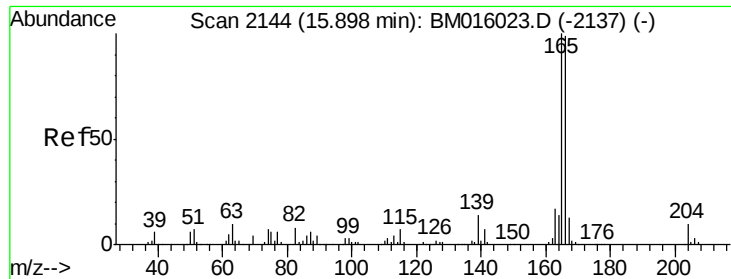
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0

Ion 182.00 (181.70 to 182.70): E

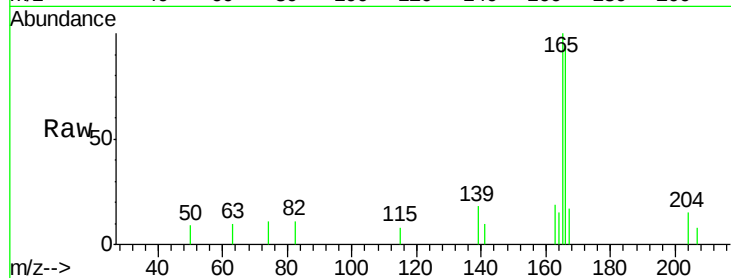




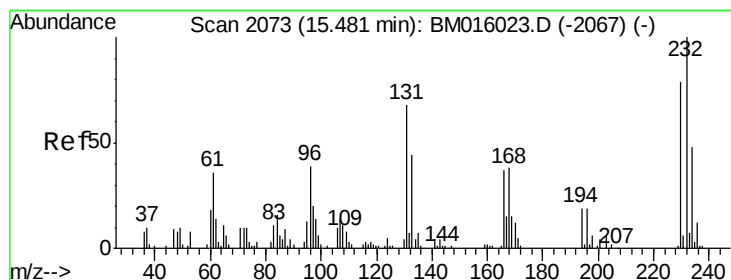
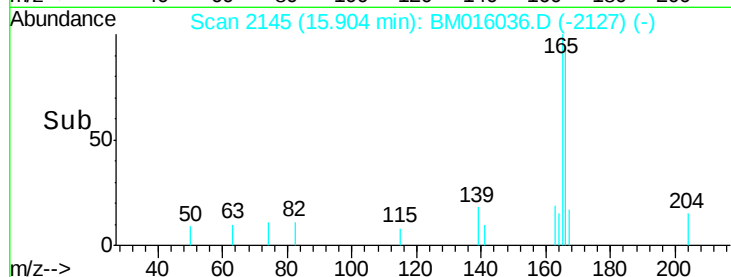
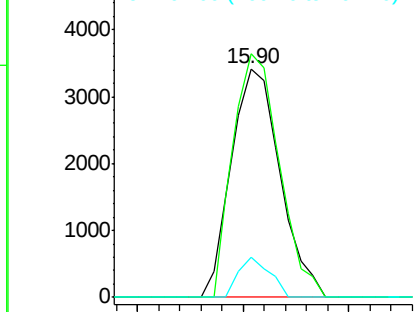
#57
 Fluorene
 Concen: 0.893 ng
 RT: 15.90 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

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

Tgt Ion:166 Resp: 5491
 Ion Ratio Lower Upper
 166 100
 165 106.5 79.0 118.4
 167 17.6 10.3 15.5#

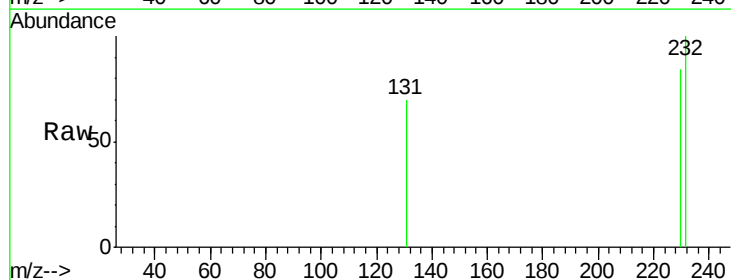


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

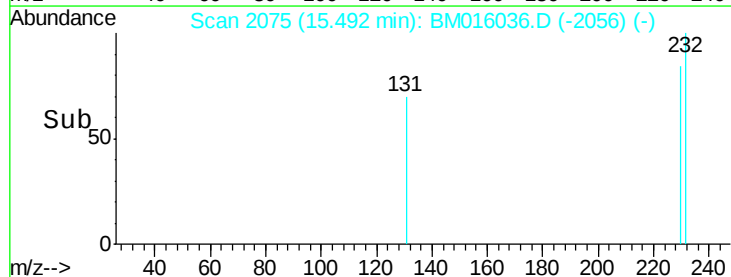
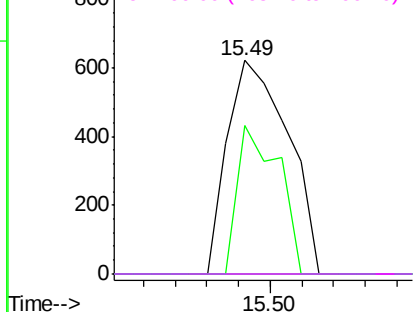


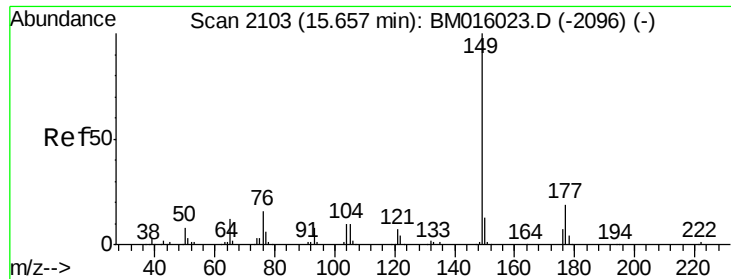
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.549 ng
 RT: 15.49 min Scan# 2075
 Delta R.T. 0.01 min
 Lab File: BM016036.D
 Acq: 23 Jul 2018 21:28

Tgt Ion:232 Resp: 823
 Ion Ratio Lower Upper
 232 100
 131 47.1 0.0 0.0#
 130 0.0 0.0 0.0
 166 0.0 0.0 0.0



Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

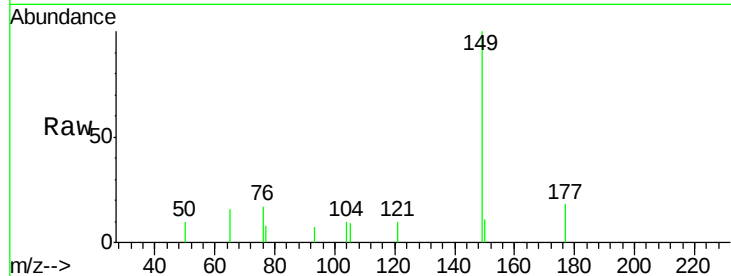




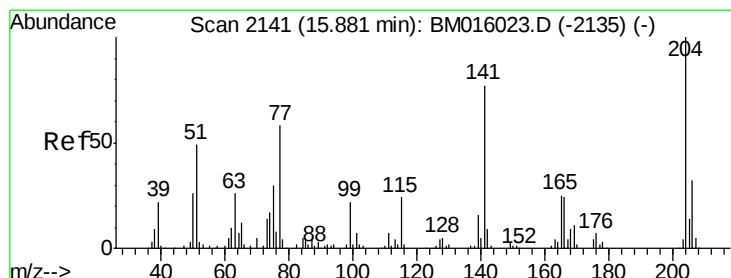
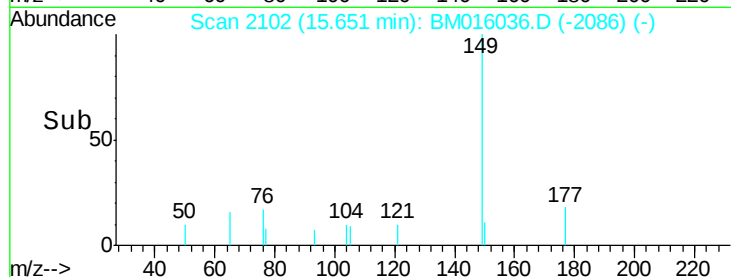
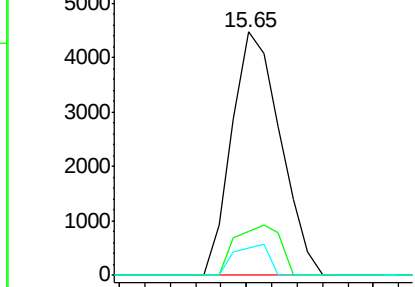
#59
Diethylphthalate
Concen: 0.797 ng
RT: 15.65 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

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

Tgt Ion:149 Resp: 5970
Ion Ratio Lower Upper
149 100
177 17.8 18.3 27.5#
150 11.4 9.8 14.8

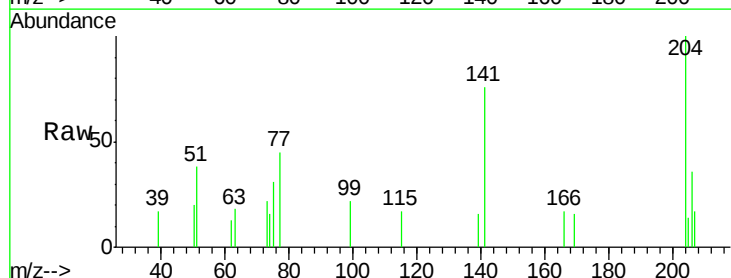


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

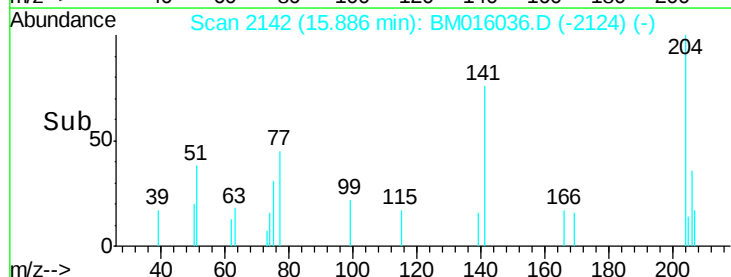
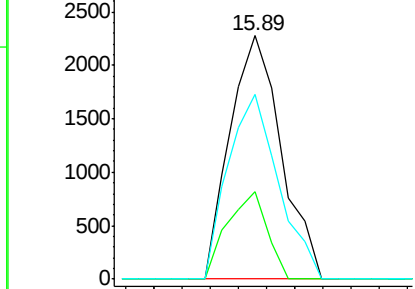


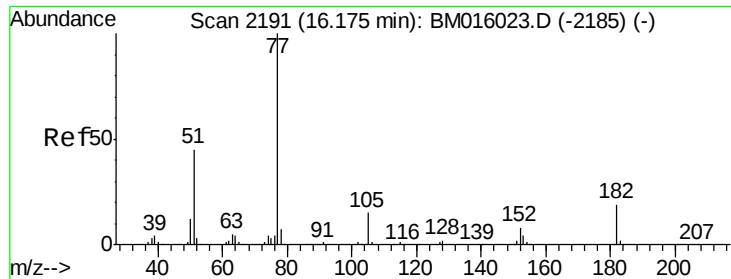
#60
4-Chlorophenyl-phenylether
Concen: 0.839 ng
RT: 15.89 min Scan# 2142
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:204 Resp: 2871
Ion Ratio Lower Upper
204 100
206 36.1 26.6 39.8
141 76.1 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





#62

Azobenzene

Concen: 0.645 ng

RT: 16.17 min Scan# 2191

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion: 77 Resp: 5090

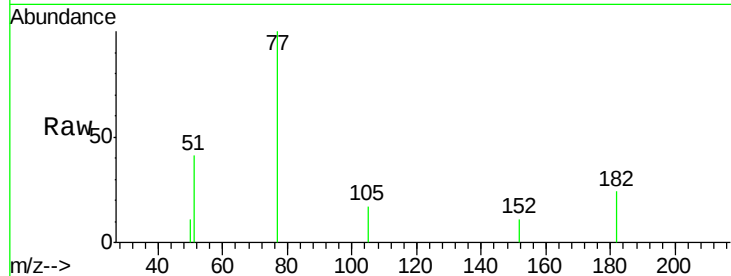
Ion Ratio Lower Upper

77 100

182 23.5 6.5 46.5

105 17.0 3.8 43.8

51 41.1 5.5 45.5

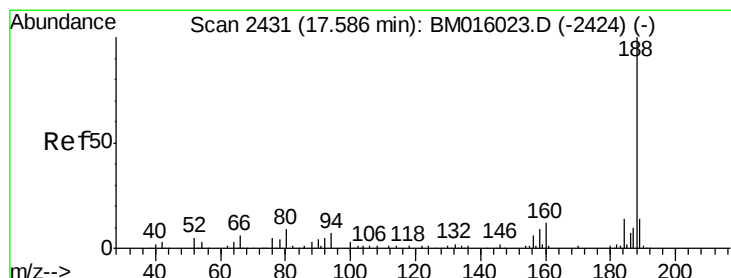
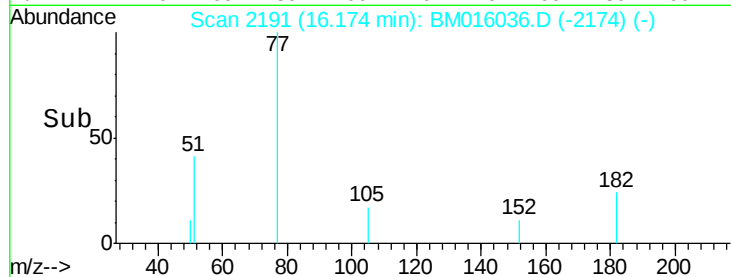
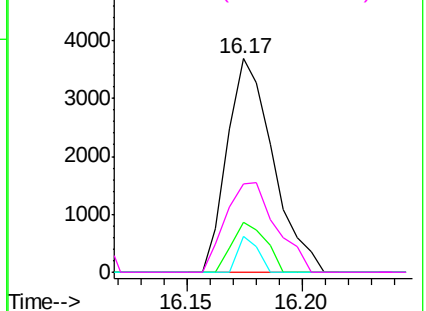


Abundance Ion 77.00 (76.70 to 77.70): BM016036.D (-2185) (-)

Ion 182.00 (181.70 to 182.70): BM016036.D (-2185) (-)

Ion 105.00 (104.70 to 105.70): BM016036.D (-2185) (-)

Ion 51.00 (50.70 to 51.70): BM016036.D (-2185) (-)



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.59 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

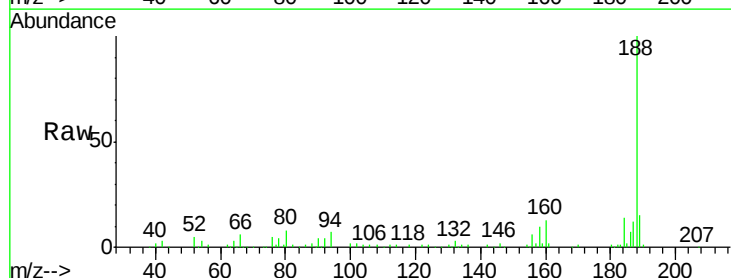
Tgt Ion: 188 Resp: 171310

Ion Ratio Lower Upper

188 100

94 6.8 8.7 13.1#

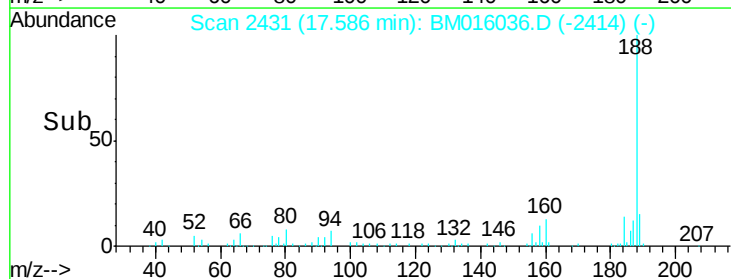
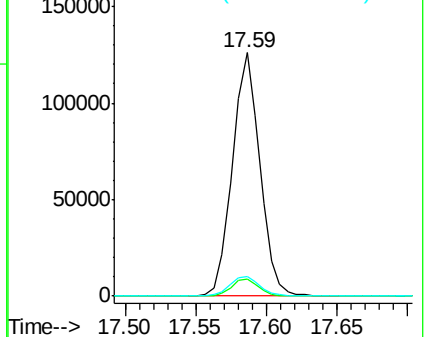
80 8.0 9.3 13.9#

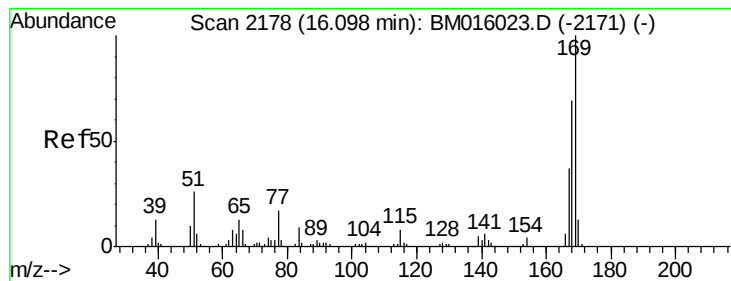


Abundance Ion 188.00 (187.70 to 188.70): BM016036.D (-2424) (-)

Ion 94.00 (93.70 to 94.70): BM016036.D (-2424) (-)

Ion 80.00 (79.70 to 80.70): BM016036.D (-2424) (-)





#65

n-Nitrosodiphenylamine

Concen: 0.764 ng

RT: 16.10 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

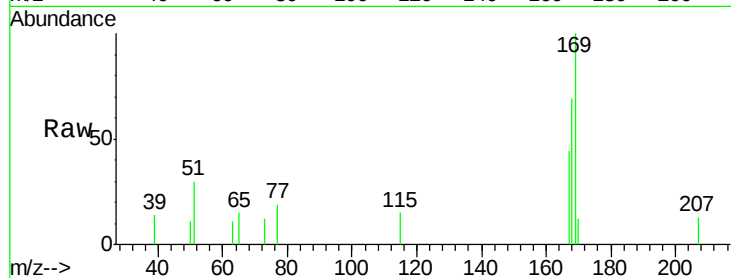
Tgt Ion:169 Resp: 4308

Ion Ratio Lower Upper

169 100

168 68.6 53.9 80.9

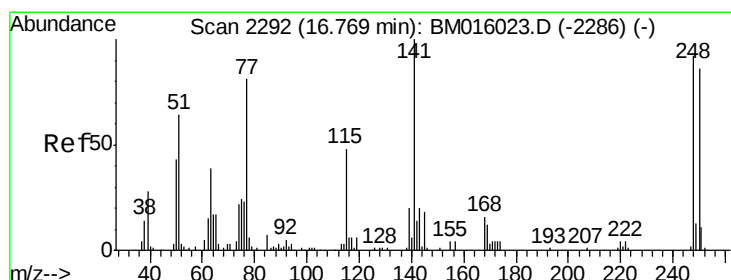
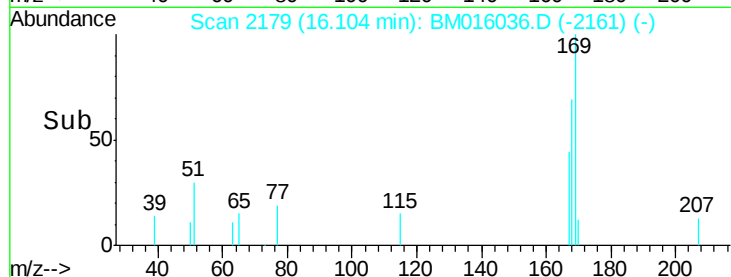
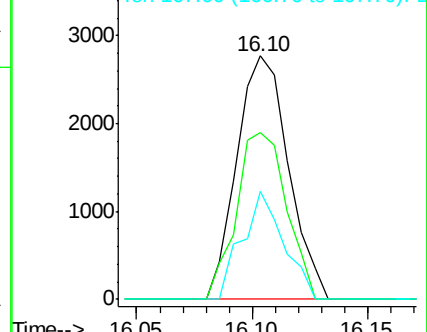
167 44.4 28.9 43.3#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 0.735 ng

RT: 16.78 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

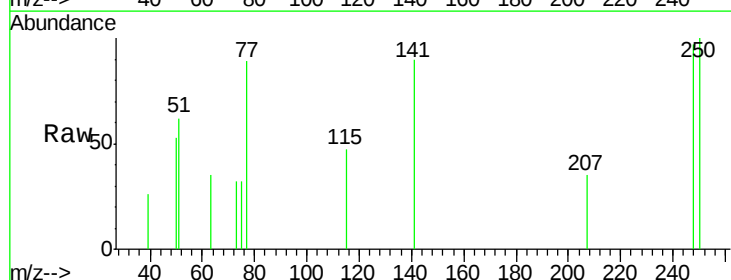
Tgt Ion:248 Resp: 1426

Ion Ratio Lower Upper

248 100

250 103.6 77.4 116.0

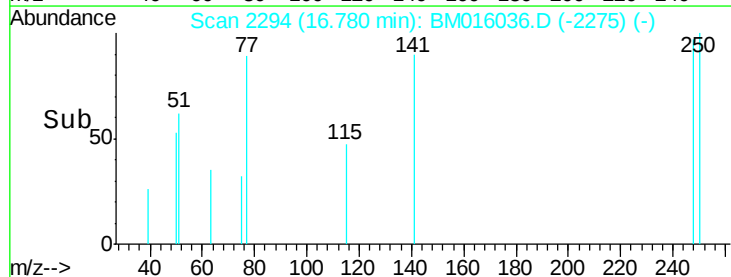
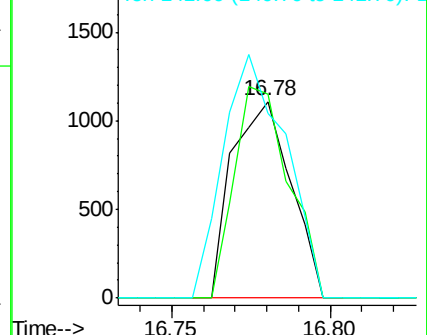
141 93.7 45.2 67.8#

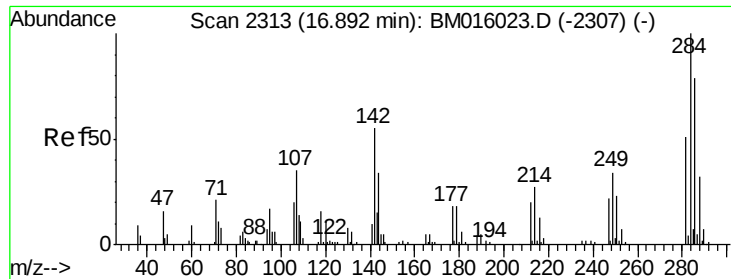


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

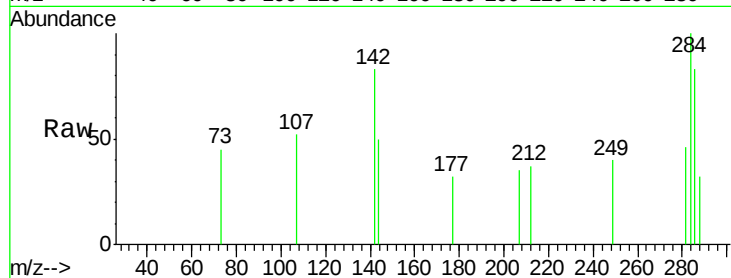




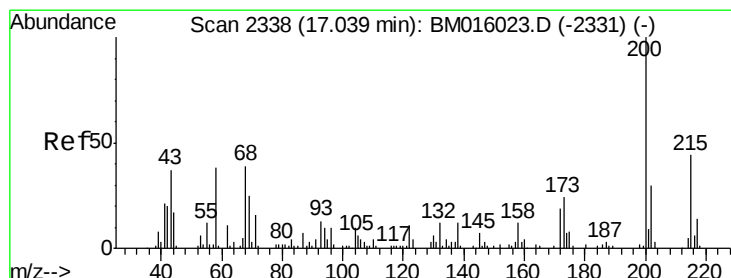
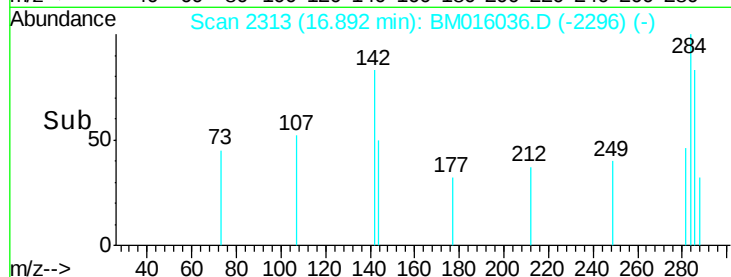
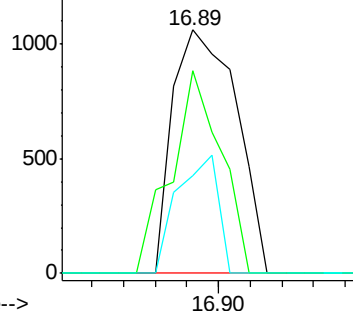
#67
Hexachlorobenzene
Concen: 0.693 ng
RT: 16.89 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

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

Tgt Ion: 284 Resp: 1480
Ion Ratio Lower Upper
284 100
142 83.3 20.4 30.6#
249 40.0 23.8 35.6#

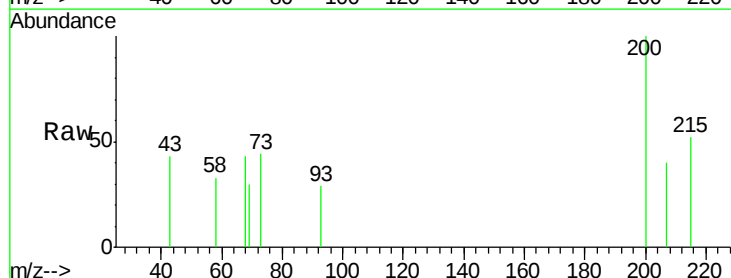


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

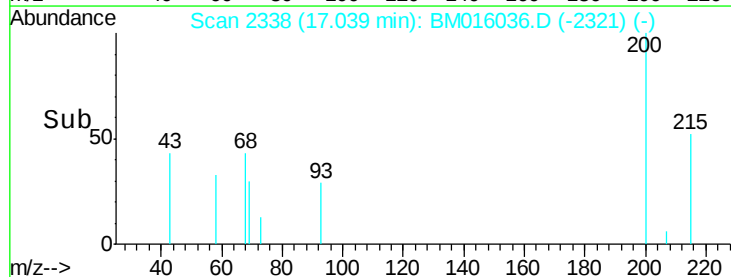
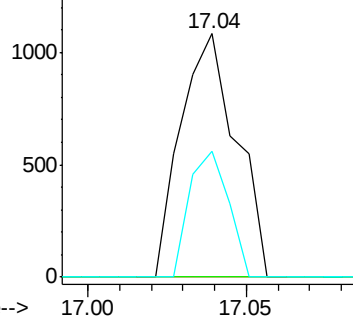


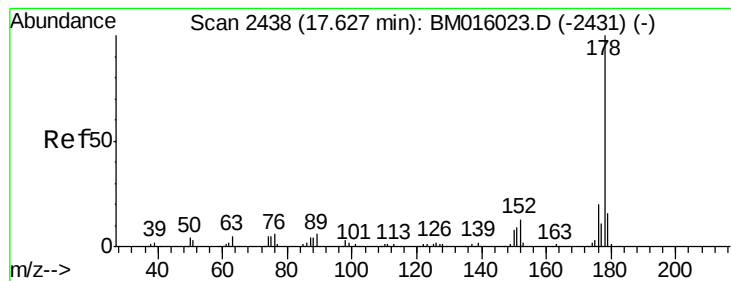
#68
Atrazine
Concen: 0.648 ng
RT: 17.04 min Scan# 2338
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 200 Resp: 1310
Ion Ratio Lower Upper
200 100
173 0.0 4.8 44.8#
215 51.9 26.9 66.9



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





#70

Phenanthrene

Concen: 0.970 ng

RT: 17.63 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

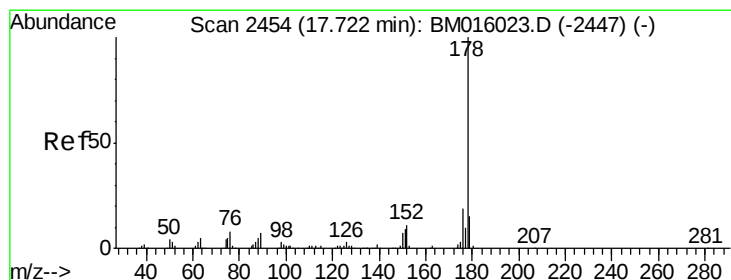
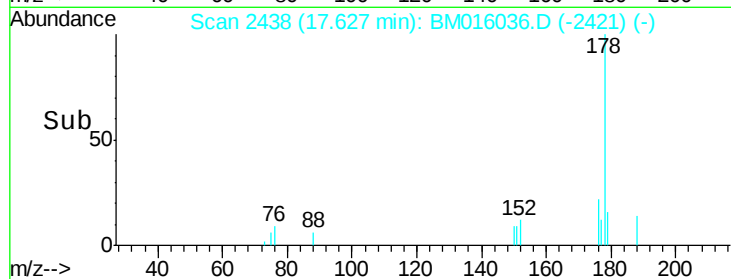
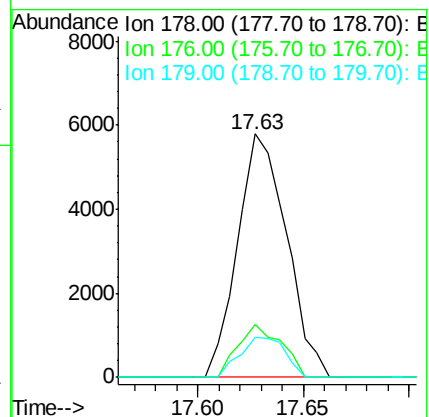
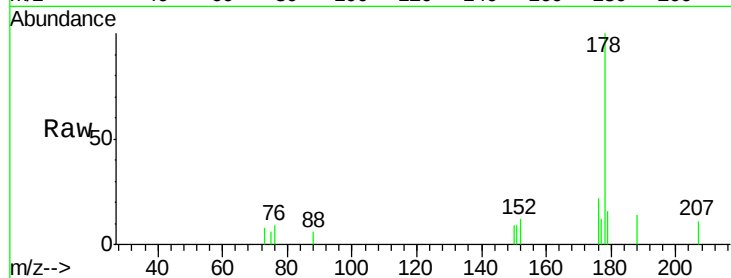
Tgt Ion:178 Resp: 9308

Ion Ratio Lower Upper

178 100

176 22.0 15.2 22.8

179 16.4 12.1 18.1



#71

Anthracene

Concen: 0.839 ng

RT: 17.73 min Scan# 2456

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

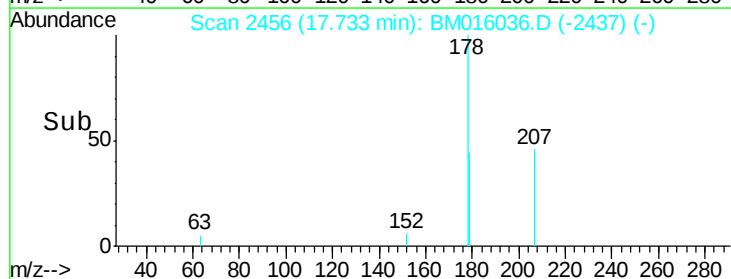
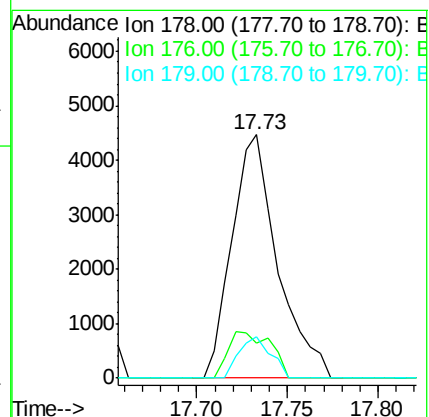
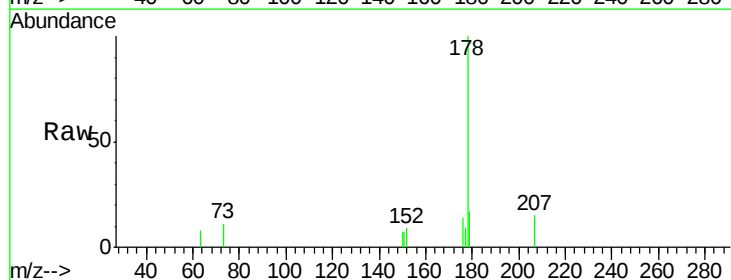
Tgt Ion:178 Resp: 7821

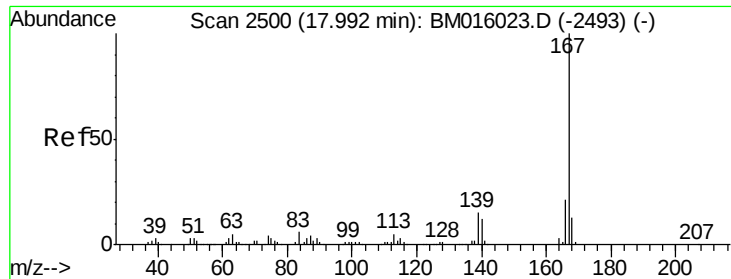
Ion Ratio Lower Upper

178 100

176 14.3 14.6 22.0#

179 17.1 12.6 19.0





#72

Carbazole

Concen: 0.715 ng

RT: 18.00 min Scan# 2502

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

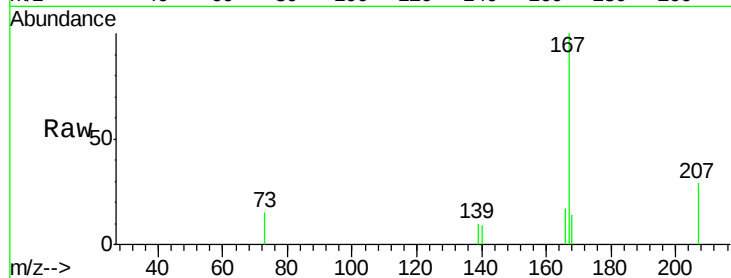
Tgt Ion:167 Resp: 6902

Ion Ratio Lower Upper

167 100

166 17.0 17.2 25.8#

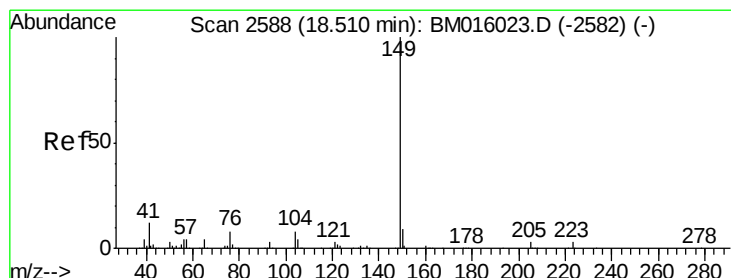
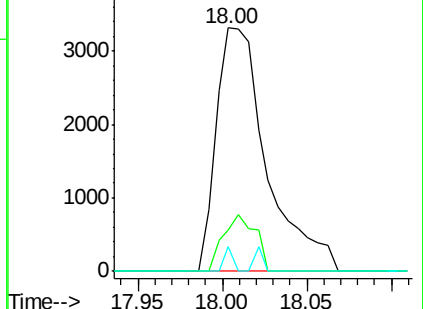
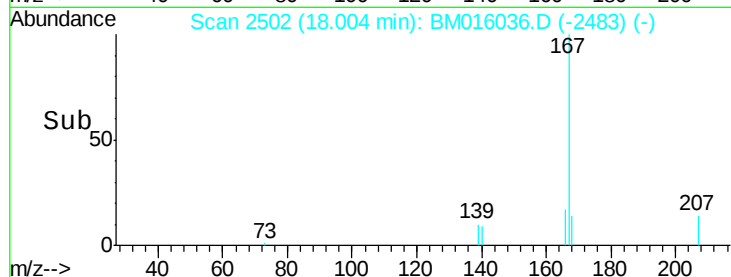
139 10.0 10.8 16.2#



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: 0.681 ng

RT: 18.51 min Scan# 2588

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

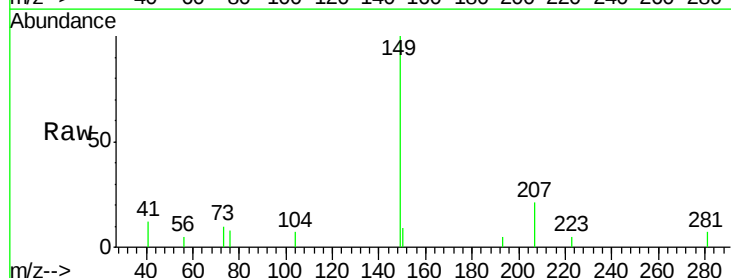
Tgt Ion:149 Resp: 8193

Ion Ratio Lower Upper

149 100

150 8.7 7.5 11.3

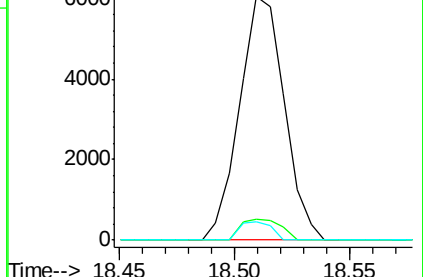
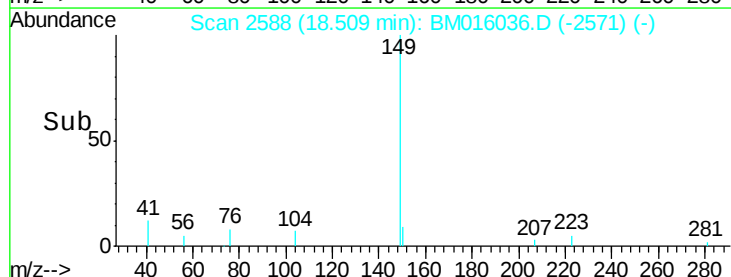
104 7.3 3.7 5.5#

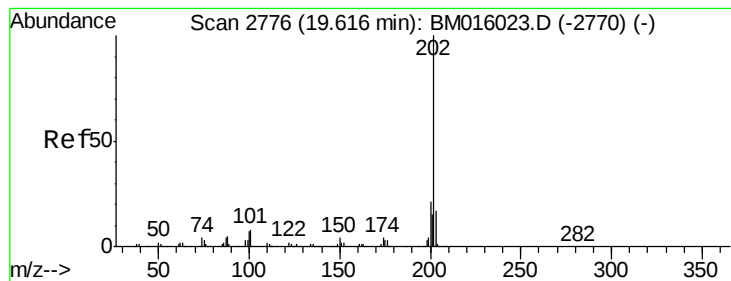


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 0.892 ng

RT: 19.62 min Scan# 2777

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

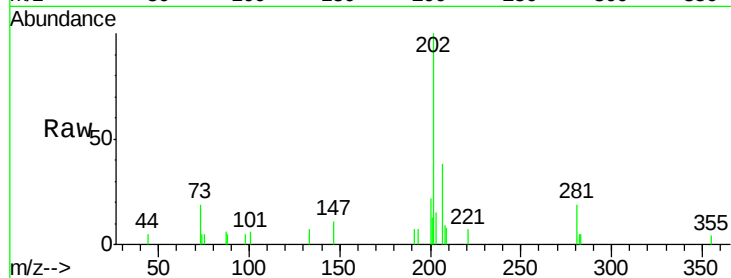
Tgt Ion:202 Resp: 9542

Ion Ratio Lower Upper

202 100

101 6.4 0.0 28.7

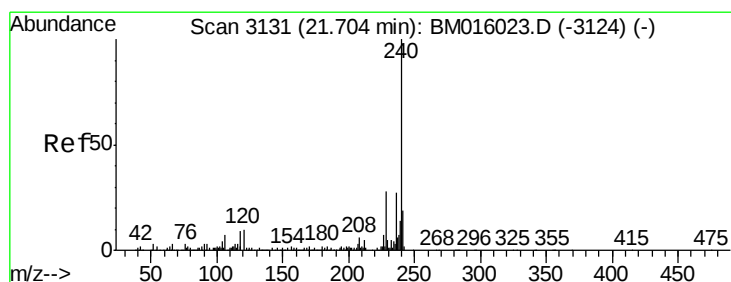
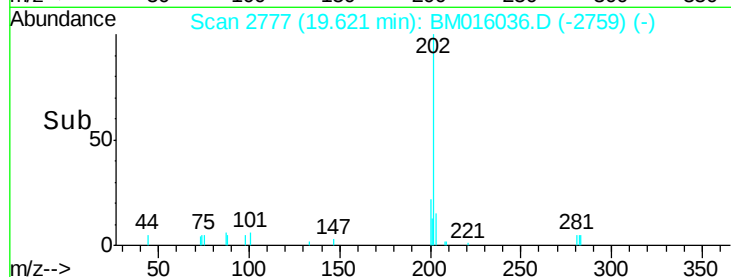
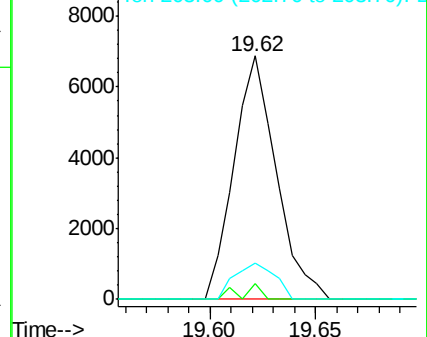
203 15.0 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

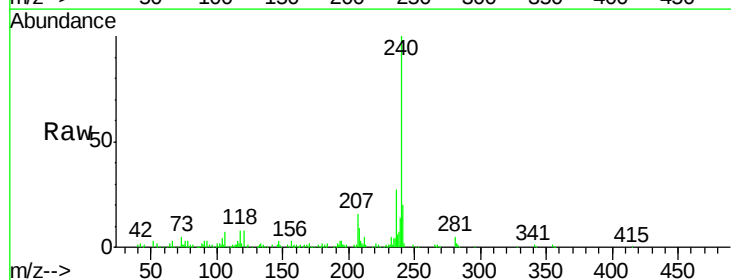
Tgt Ion:240 Resp: 183109

Ion Ratio Lower Upper

240 100

120 8.1 8.2 12.2#

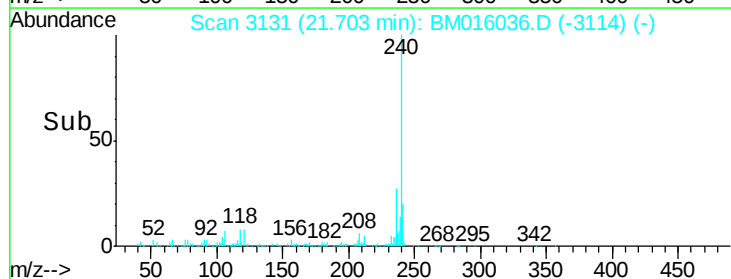
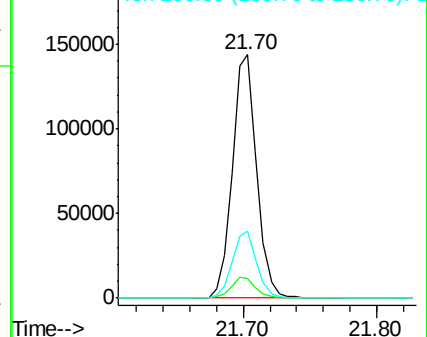
236 27.4 20.0 30.0

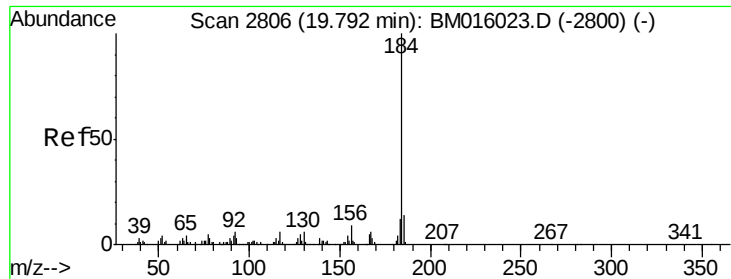


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

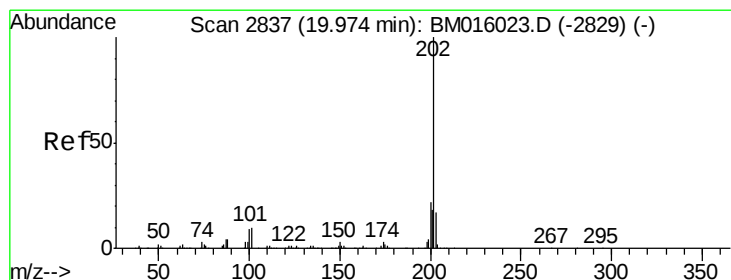
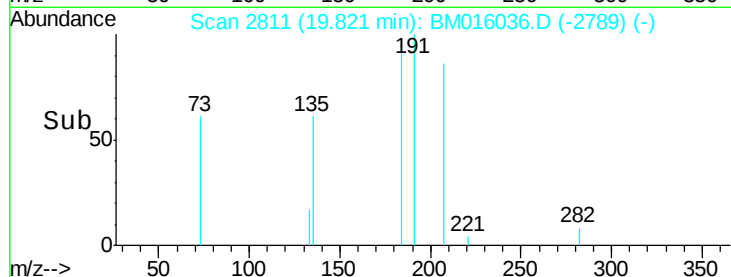
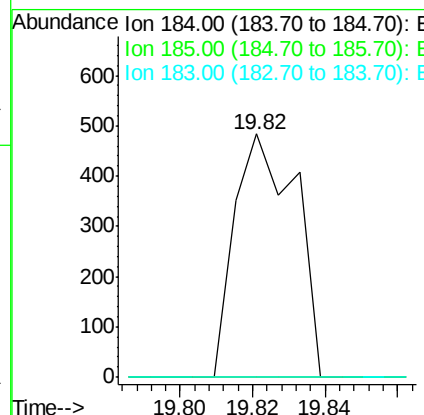
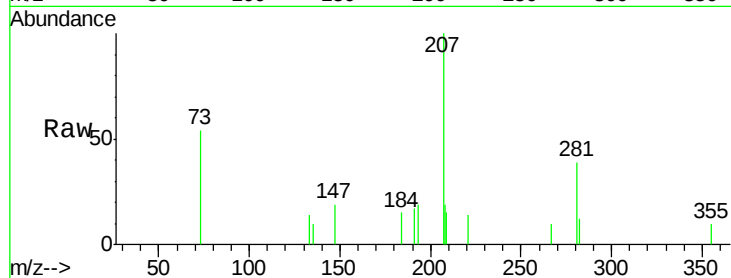




#76
Benzidine
Concen: 0.111 ng
RT: 19.82 min Scan# 2811
Delta R.T. 0.03 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

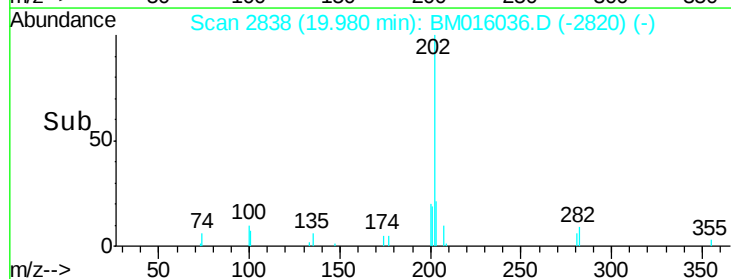
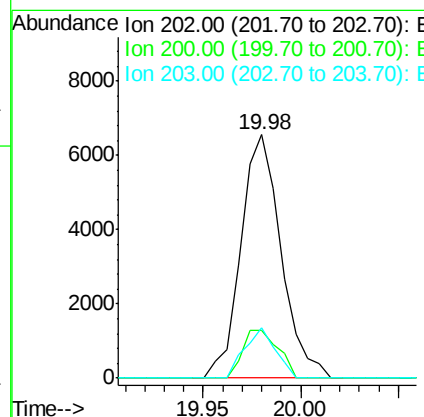
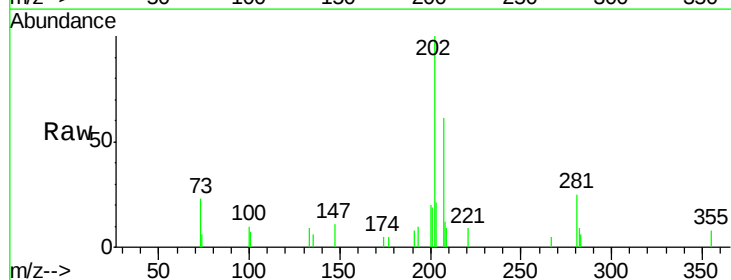
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

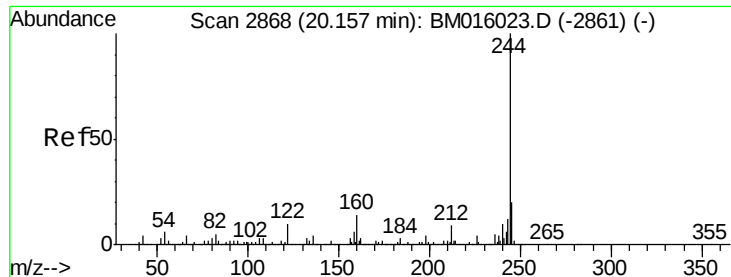
Tgt Ion:184 Resp: 566
Ion Ratio Lower Upper
184 100
185 0.0 11.3 16.9#
183 0.0 8.9 13.3#



#77
Pyrene
Concen: 0.852 ng
RT: 19.98 min Scan# 2838
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:202 Resp: 9349
Ion Ratio Lower Upper
202 100
200 19.8 16.9 25.3
203 20.6 14.1 21.1





#78

Terphenyl-d14

Concen: 0.852 ng

RT: 20.16 min Scan# 2868

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

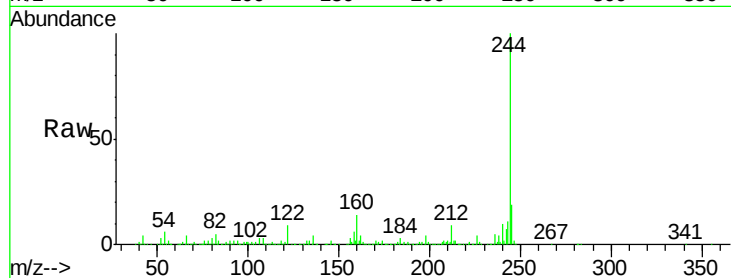
Tgt Ion:244 Resp: 1104750

Ion Ratio Lower Upper

244 100

212 9.4 4.9 7.3#

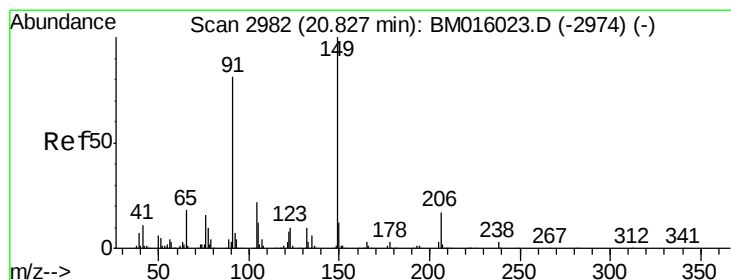
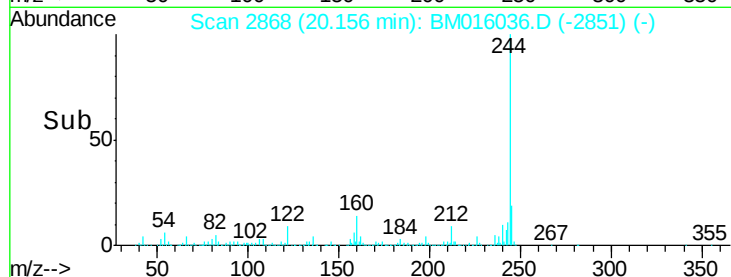
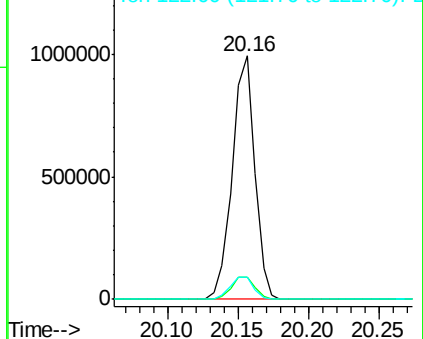
122 9.2 6.2 9.4



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: 0.802 ng

RT: 20.83 min Scan# 2982

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

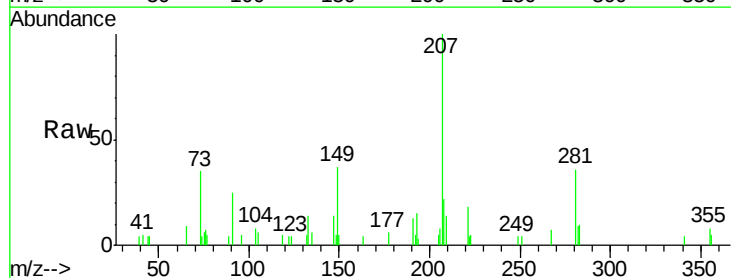
Tgt Ion:149 Resp: 4473

Ion Ratio Lower Upper

149 100

91 68.9 50.1 75.1

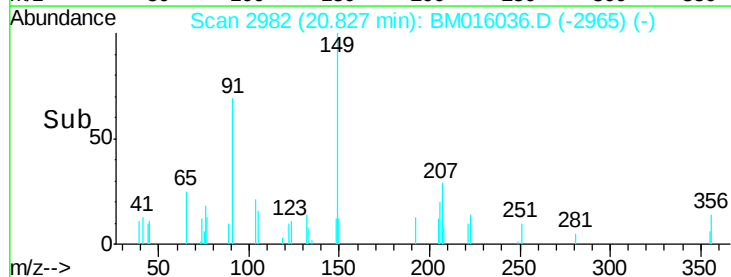
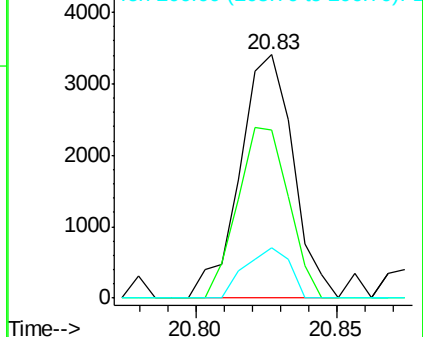
206 20.5 16.2 24.2

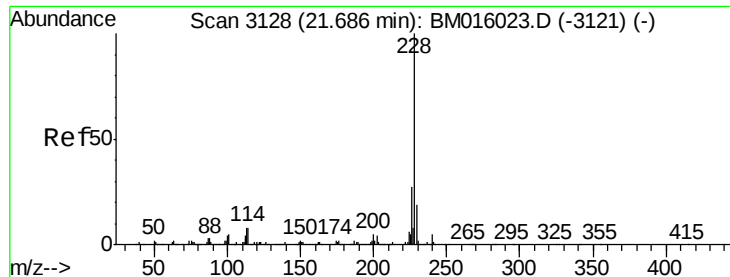


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

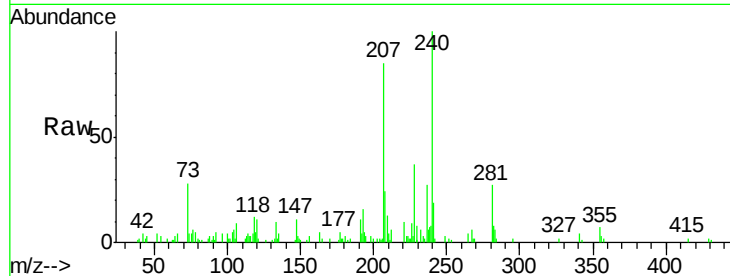




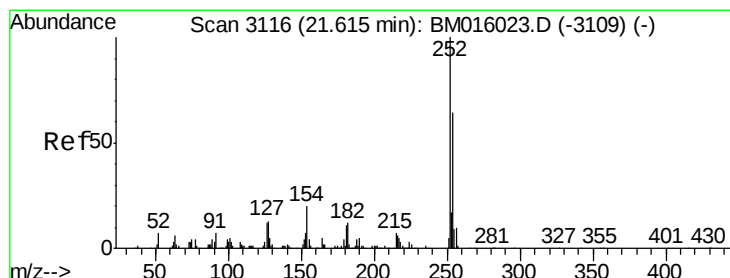
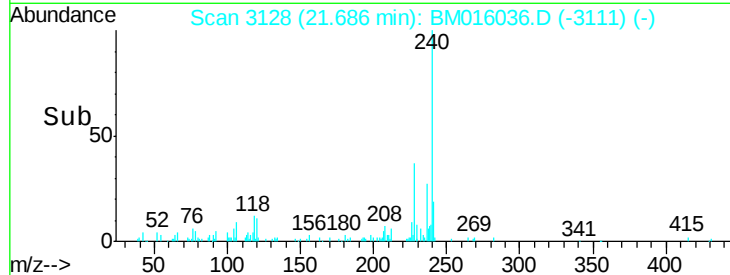
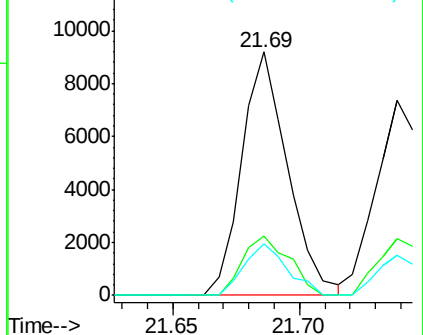
#80
Benzo(a)anthracene
Concen: 1.031 ng
RT: 21.69 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

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

Tgt Ion:228 Resp: 11633
Ion Ratio Lower Upper
228 100
226 24.2 21.7 32.5
229 21.3 16.0 24.0

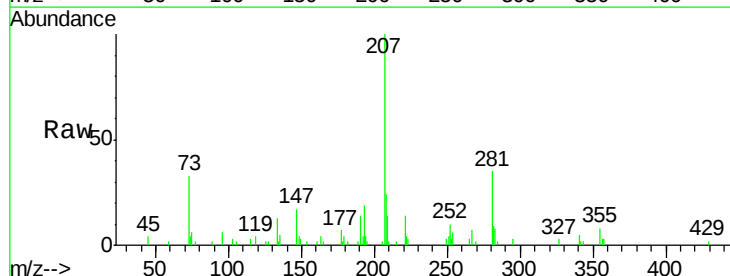


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

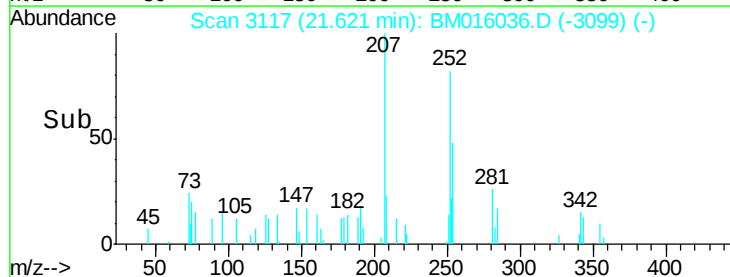
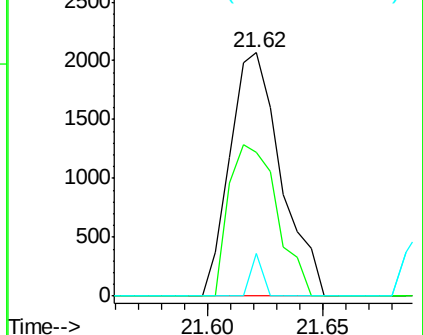


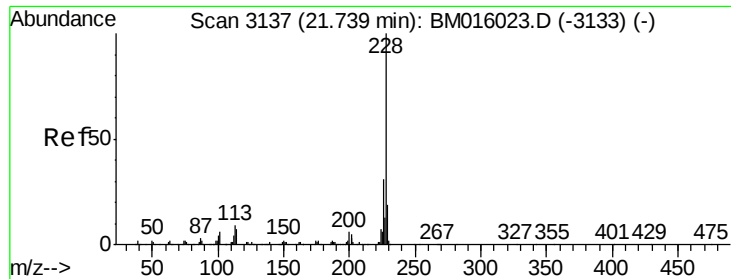
#81
3,3'-Dichlorobenzidine
Concen: 0.701 ng
RT: 21.62 min Scan# 3117
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:252 Resp: 3185
Ion Ratio Lower Upper
252 100
254 58.9 51.9 77.9
126 17.6 9.8 14.8#



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





#82

Chrysene

Concen: 0.944 ng

RT: 21.74 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

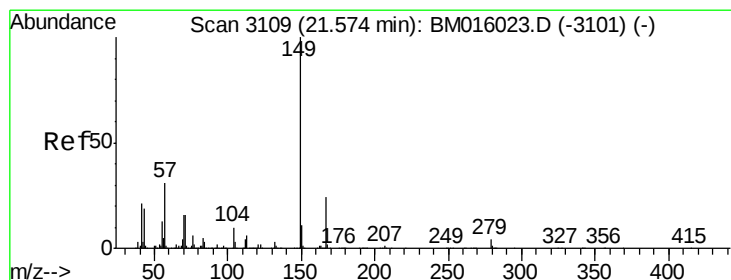
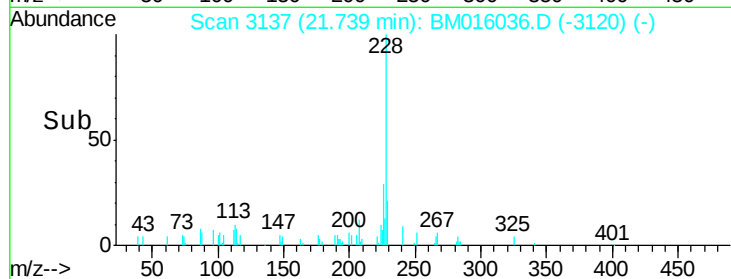
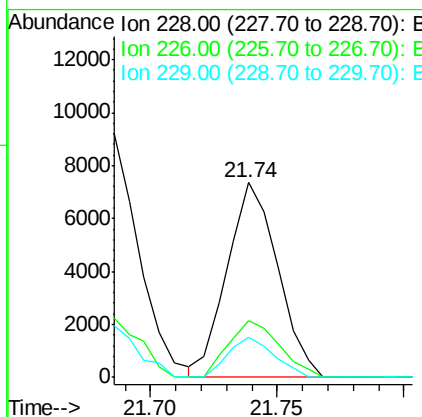
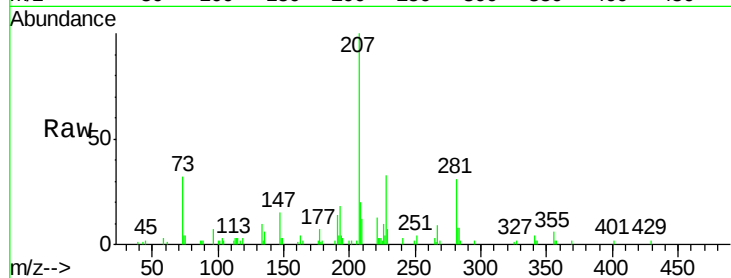
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

Tgt Ion:	228	Resp:	10209
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	20.8	15.5	23.3



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.715 ng

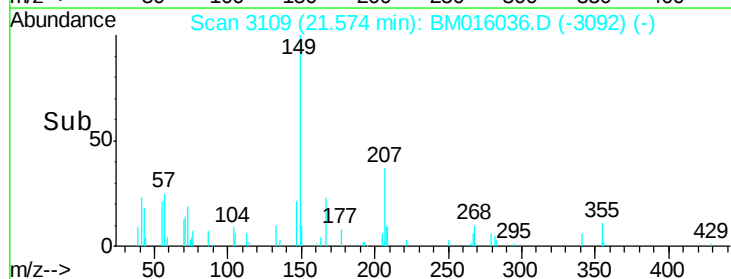
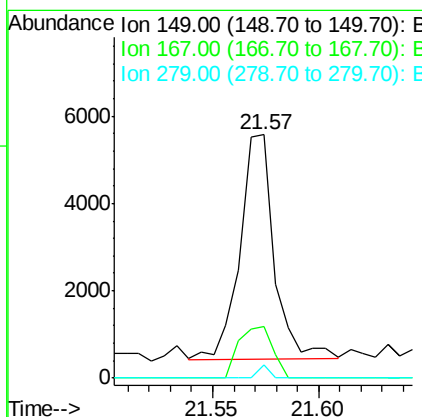
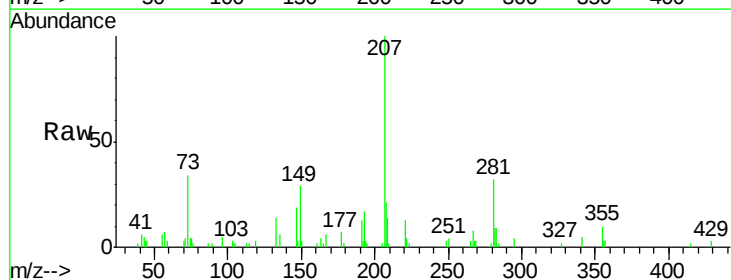
RT: 21.57 min Scan# 3109

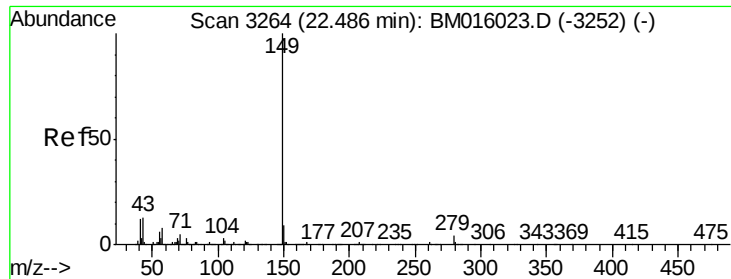
Delta R.T. -0.00 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Tgt Ion:	149	Resp:	5776
Ion	Ratio	Lower	Upper
149	100		
167	21.3	22.4	33.6#
279	5.4	3.4	5.0#





#84

Di-n-octyl phthalate

Concen: 0.788 ng

RT: 22.48 min Scan# 3263

Delta R.T. -0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

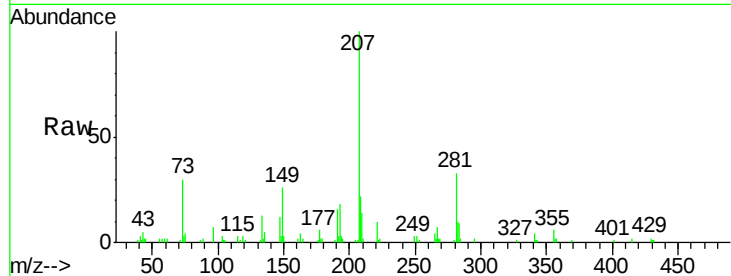
Tgt Ion:149 Resp: 10704

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

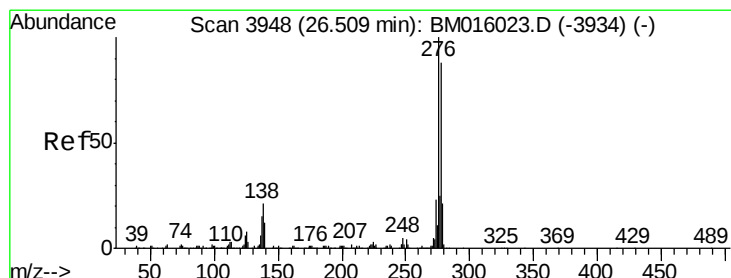
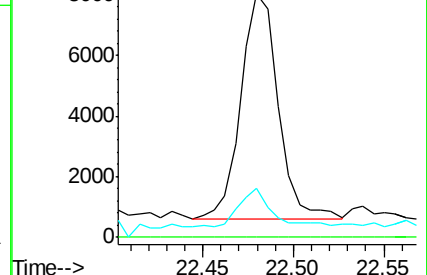
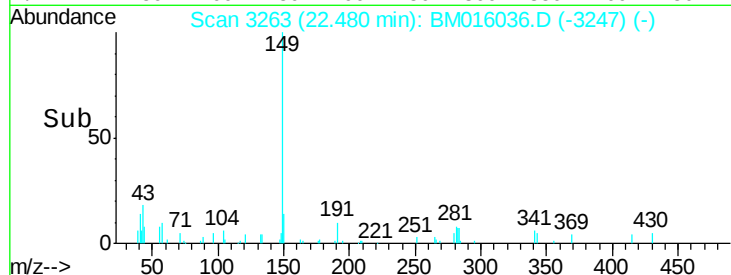
43 17.5 7.3 10.9#



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): BM



#85

Indeno(1,2,3-cd)pyrene

Concen: 0.990 ng

RT: 26.51 min Scan# 3949

Delta R.T. 0.01 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

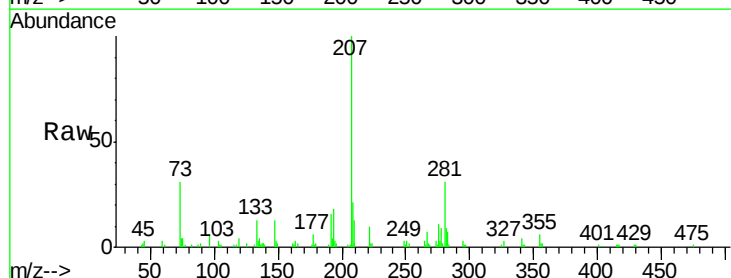
Tgt Ion:276 Resp: 12714

Ion Ratio Lower Upper

276 100

138 21.2 12.0 18.0#

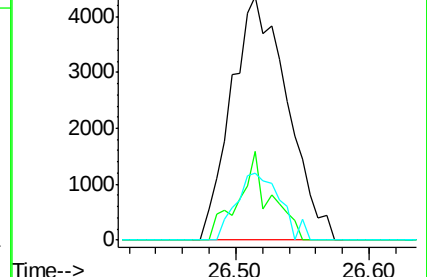
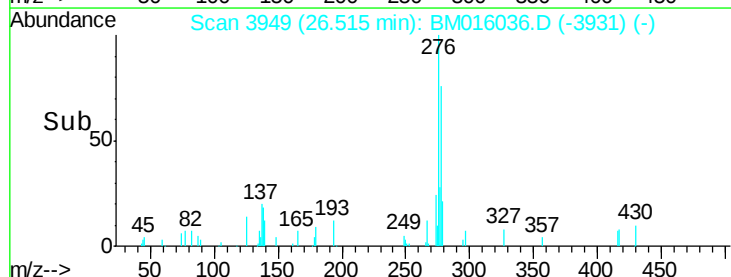
277 21.7 20.0 30.0

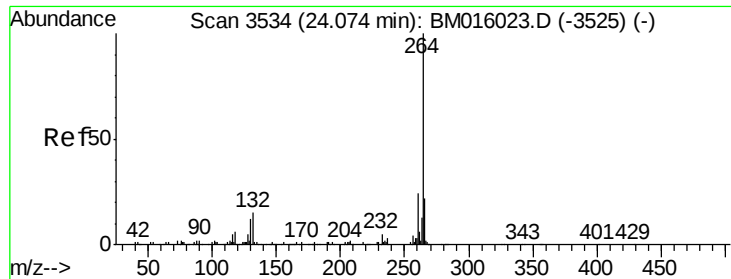


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

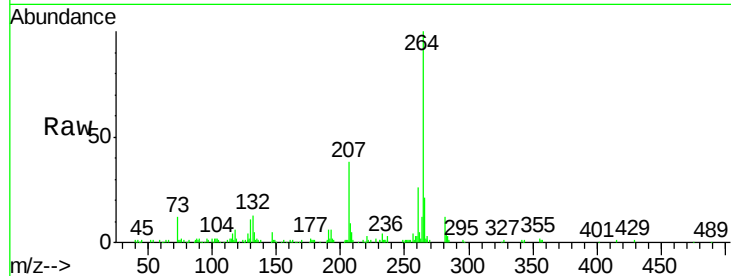




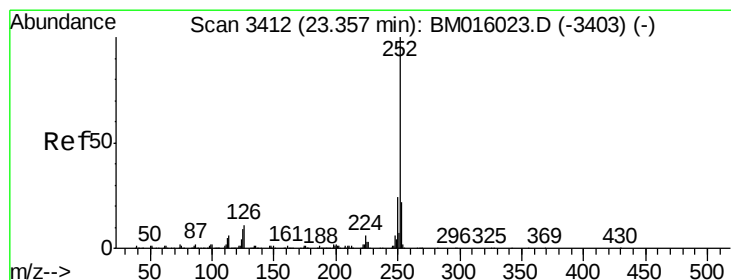
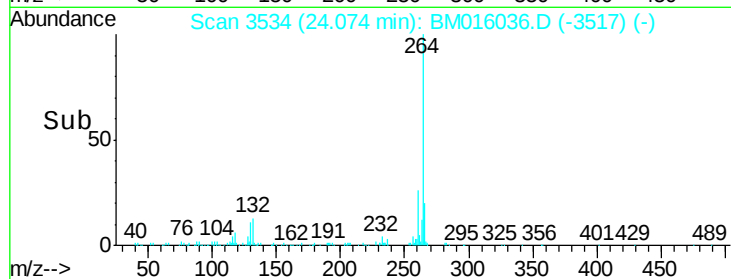
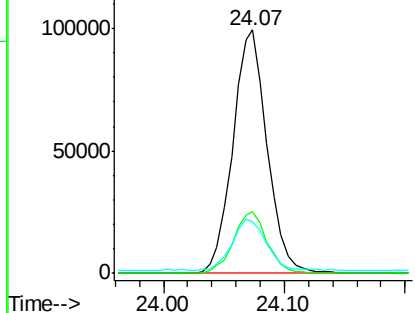
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.07 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

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

Tgt Ion: 264 Resp: 195976
Ion Ratio Lower Upper
264 100
260 25.5 18.6 27.8
265 21.4 17.3 25.9

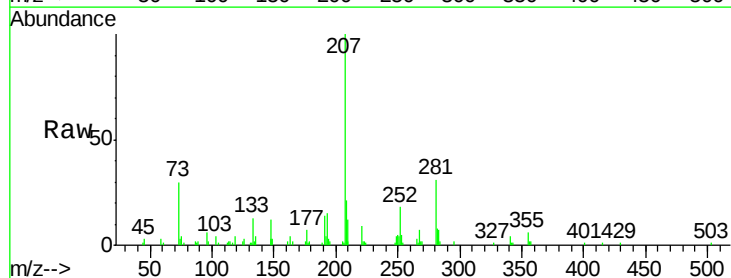


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

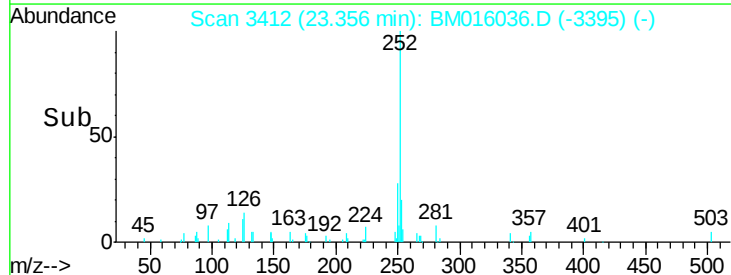
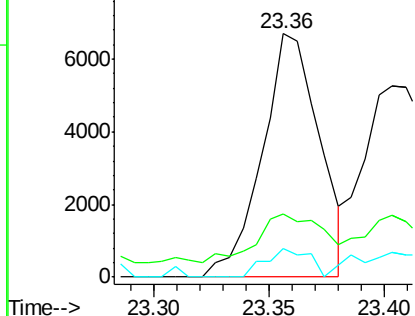


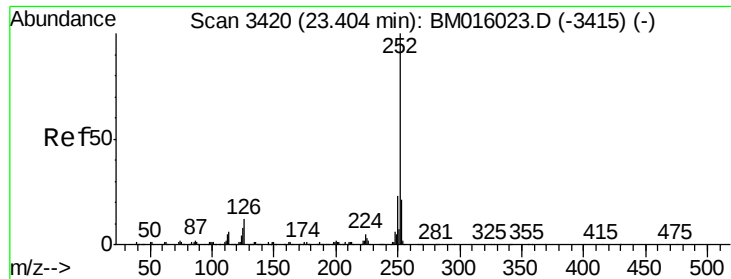
#87
Benzo(b)fluoranthene
Concen: 0.998 ng
RT: 23.36 min Scan# 3412
Delta R.T. -0.00 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion: 252 Resp: 11513
Ion Ratio Lower Upper
252 100
253 25.7 18.0 27.0
125 11.5 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

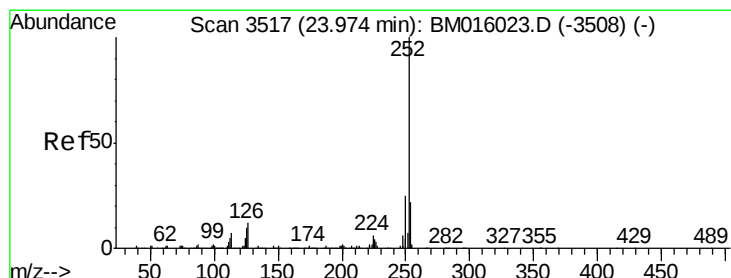
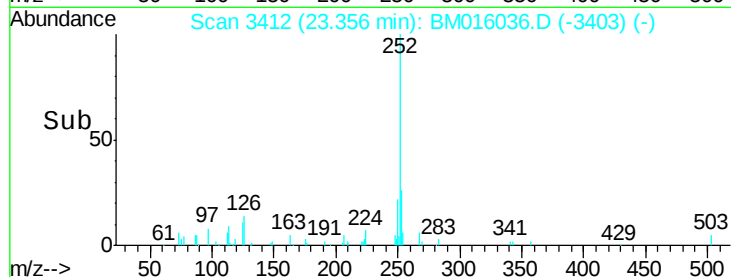
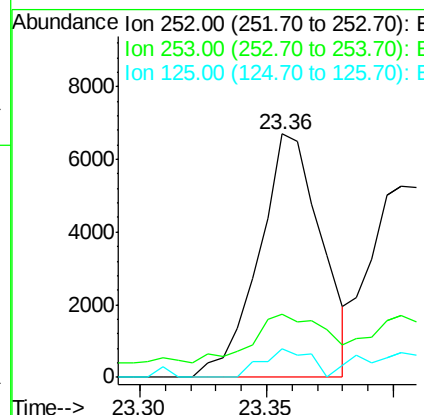
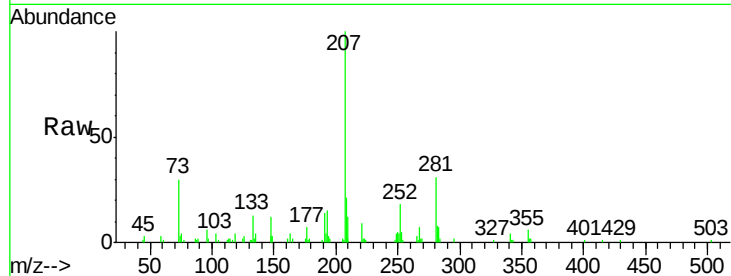




#88
Benzo(k)fluoranthene
Concen: 0.985 ng
RT: 23.36 min Scan# 3412
Delta R.T. -0.05 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

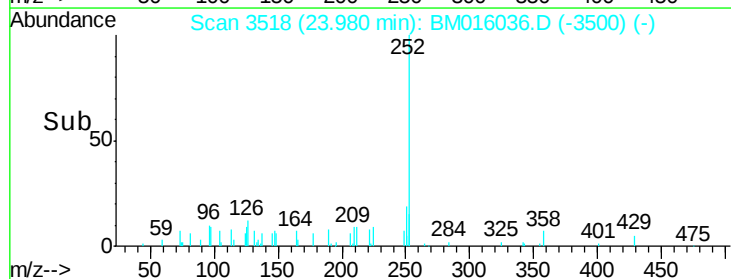
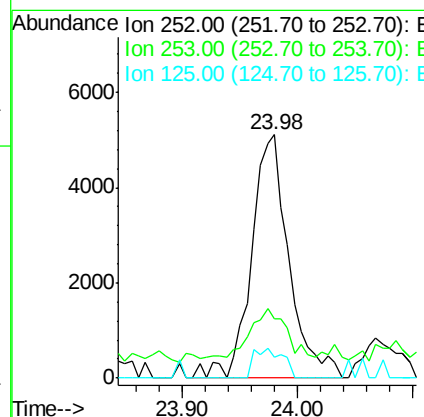
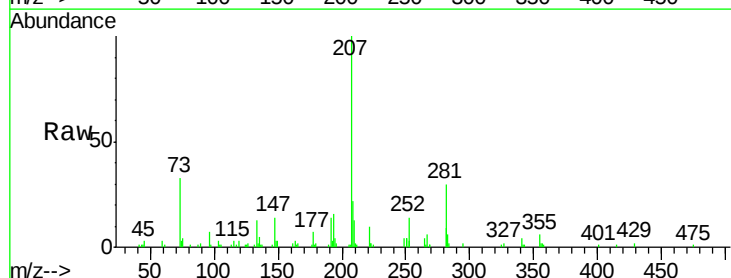
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT3-2018

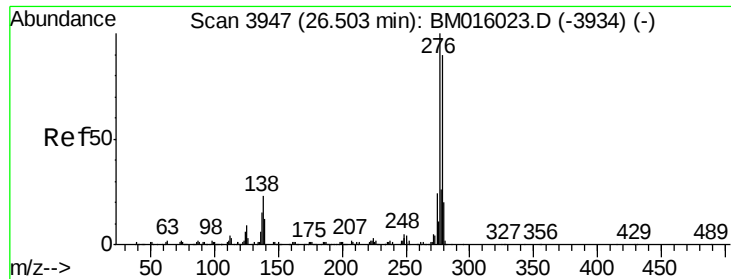
Tgt Ion:252 Resp: 11513
Ion Ratio Lower Upper
252 100
253 25.7 17.2 25.8
125 11.5 8.1 12.1



#89
Benzo(a)pyrene
Concen: 1.046 ng
RT: 23.98 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BM016036.D
Acq: 23 Jul 2018 21:28

Tgt Ion:252 Resp: 11603
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 8.8 7.4 11.2





#90

Dibenzo(a,h)anthracene

Concen: 0.924 ng

RT: 26.52 min Scan# 3950

Delta R.T. 0.02 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT3-2018

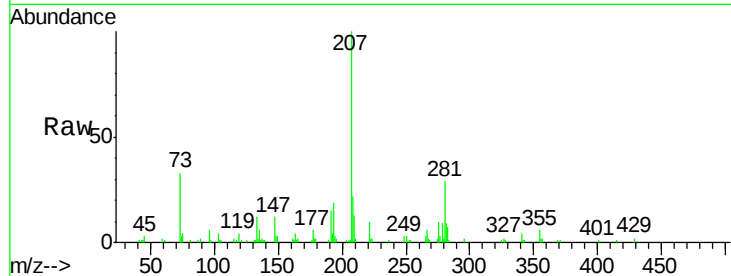
Tgt Ion:278 Resp: 10616

Ion Ratio Lower Upper

278 100

139 12.5 13.4 20.0#

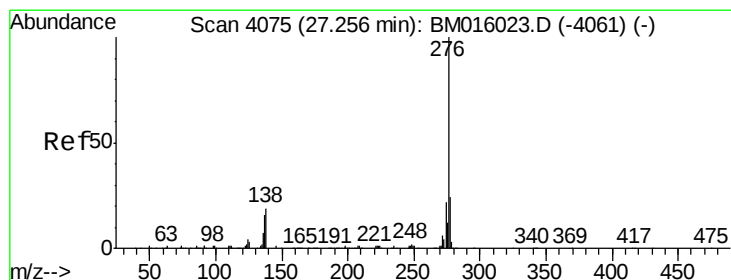
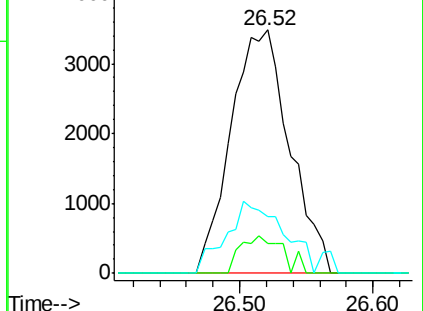
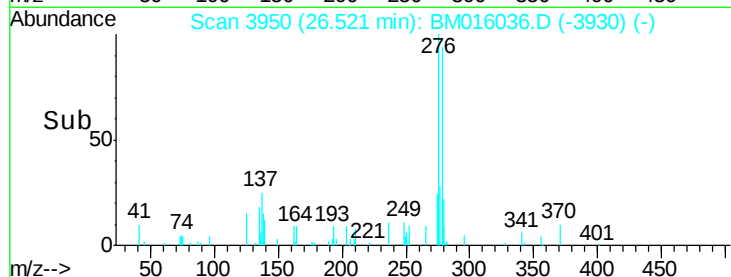
279 23.1 19.0 28.4



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: 0.995 ng

RT: 27.27 min Scan# 4078

Delta R.T. 0.02 min

Lab File: BM016036.D

Acq: 23 Jul 2018 21:28

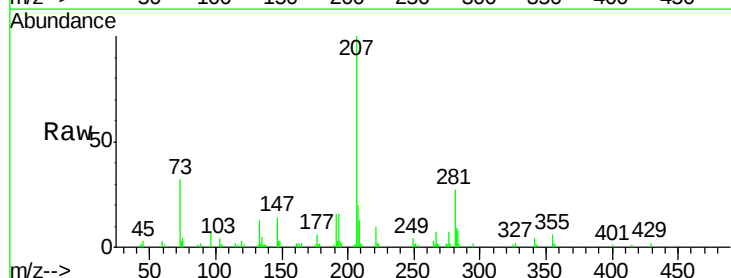
Tgt Ion:276 Resp: 10811

Ion Ratio Lower Upper

276 100

277 25.3 18.5 27.7

138 17.9 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

