

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
 Data File : BM017192.D
 Acq On : 18 Oct 2018 14:37
 Operator : MJ/SJ
 Sample : J5164-03
 Misc : MDL 1 PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Quant Time: Oct 19 09:34:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	203317	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	822899	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	472236	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1094501	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1246329	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1255126	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	1670409	138.96	ng	0.00
7) Phenol-d6	6.85	99	2161152	132.00	ng	0.00
23) Nitrobenzene-d5	8.82	82	1264798	89.89	ng	-0.01
42) 2,4,6-Tribromophenol	15.80	330	929944	145.62	ng	-0.01
45) 2-Fluorobiphenyl	12.93	172	3009711	84.80	ng	0.00
79) Terphenyl-d14	19.70	244	4664084	84.35	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.27	88	5795	0.944	ng	# 89
3) Pyridine	3.68	79	12705	0.900	ng	# 65
4) n-Nitrosodimethylamine	3.58	42	5999	1.058	ng	# 77
6) Aniline	7.01	93	12597	0.615	ng	97
8) 2-Chlorophenol	7.23	128	14938	1.074	ng	83
9) Benzaldehyde	6.83	77	14360	1.376	ng	85
10) Phenol	6.87	94	17683	1.004	ng	# 77
11) bis(2-Chloroethyl)ether	7.11	93	13573	0.966	ng	95
12) 1,3-Dichlorobenzene	7.56	146	15389	0.949	ng	# 91
13) 1,4-Dichlorobenzene	7.71	146	16434	0.992	ng	97
14) 1,2-Dichlorobenzene	8.02	146	15426	0.967	ng	97
15) Benzyl Alcohol	7.92	79	10435	0.872	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.20	45	17746	0.904	ng	97
17) 2-Methylphenol	8.12	107	9544	0.844	ng	# 82
18) Hexachloroethane	8.73	117	5666	1.000	ng	95
19) n-Nitroso-di-n-propylamine	8.47	70	8873	0.823	ng	97
20) 3+4-Methylphenols	8.45	107	13031	0.842	ng	92
22) Acetophenone	8.49	105	19333	0.927	ng	94
24) Nitrobenzene	8.87	77	16357	1.099	ng	# 85
25) Isophorone	9.39	82	23741	1.022	ng	# 94
26) 2-Nitrophenol	9.58	139	4447	6.266	ng	93
27) 2,4-Dimethylphenol	9.63	122	10556	1.027	ng	93
28) bis(2-Chloroethoxy)methane	9.88	93	16446	1.006	ng	91
29) 2,4-Dichlorophenol	10.11	162	9160	0.768	ng	97
30) 1,2,4-Trichlorobenzene	10.31	180	14318	1.001	ng	92
31) Naphthalene	10.49	128	43522	1.079	ng	98
32) Benzoic acid	9.76	122	299	0.039	ng	# 73
33) 4-Chloroaniline	10.63	127	10717	0.615	ng	# 92
34) Hexachlorobutadiene	10.78	225	9667	1.066	ng	# 80
35) Caprolactam	11.41	113	1976	0.455	ng	90
36) 4-Chloro-3-methylphenol	11.75	107	10947	0.814	ng	# 76
37) 2-Methylnaphthalene	12.12	142	30121	1.092	ng	97
38) 1-Methylnaphthalene	12.33	142	28111	1.047	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.49	216	15037	0.904	ng	93

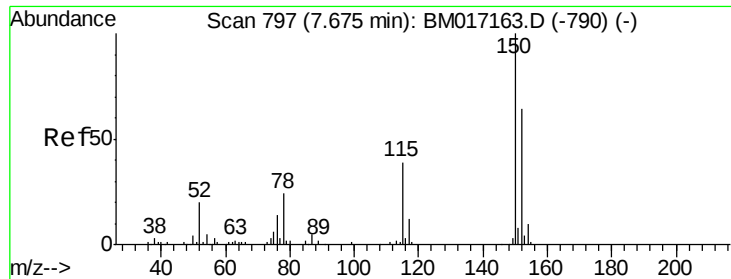
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	8345	1.038	ng	90
43) 2,4,6-Trichlorophenol	12.73	196	7269	0.753	ng	84
44) 2,4,5-Trichlorophenol	12.82	196	7714	0.745	ng	95
46) 1,1'-Biphenyl	13.14	154	43587	1.026	ng	98
47) 2-Chloronaphthalene	13.17	162	31068	0.994	ng	92
48) 2-Nitroaniline	13.40	65	5517	6.238	ng	88
49) Acenaphthylene	14.03	152	41607	0.918	ng	99
50) Dimethylphthalate	13.77	163	35779	0.982	ng #	96
51) 2,6-Dinitrotoluene	13.89	165	5639	0.703	ng #	89
52) Acenaphthene	14.37	154	28914	1.016	ng	99
53) 3-Nitroaniline	14.24	138	4580	0.527	ng #	91
54) 2,4-Dinitrophenol	14.45	184	1369	8.487	ng #	73
55) Dibenzofuran	14.72	168	47237	0.998	ng	95
56) 4-Nitrophenol	14.57	139	3003	5.074	ng	90
57) 2,4-Dinitrotoluene	14.69	165	6273	0.582	ng #	61
58) Fluorene	15.36	166	35787	1.022	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.94	232	7112	0.754	ng #	99
60) Diethylphthalate	15.14	149	34469	0.954	ng	98
61) 4-Chlorophenyl-phenylether	15.36	204	20022	1.003	ng	91
62) 4-Nitroaniline	15.41	138	3678	5.097	ng	83
63) Azobenzene	15.66	77	28097	0.800	ng	97
65) 4,6-Dinitro-2-methylphenol	15.46	198	3091	7.378	ng	81
66) n-Nitrosodiphenylamine	15.58	169	28821	0.870	ng	87
67) 4-Bromophenyl-phenylether	16.26	248	11451	0.953	ng	97
68) Hexachlorobenzene	16.36	284	13570	0.972	ng #	84
69) Atrazine	16.54	200	8813	0.744	ng	100
70) Pentachlorophenol	16.72	266	5082	0.531	ng #	87
71) Phenanthrene	17.10	178	62918	1.065	ng #	95
72) Anthracene	17.19	178	54656	0.974	ng	97
73) Carbazole	17.47	167	45534	0.794	ng	96
74) Di-n-butylphthalate	18.04	149	46906	0.776	ng	98
75) Fluoranthene	19.13	202	67331	1.013	ng	98
77) Benzidine	19.33	184	11523	0.365	ng #	93
78) Pyrene	19.49	202	69668	1.000	ng	99
80) Butylbenzylphthalate	20.40	149	18861	7.781	ng #	87
81) Benzo(a)anthracene	21.24	228	73224	1.044	ng	97
82) 3,3'-Dichlorobenzidine	21.18	252	15694	0.600	ng	93
83) Chrysene	21.29	228	76118	1.096	ng	96
84) Bis(2-ethylhexyl)phthalate	21.18	149	25793	5.874	ng	99
85) Di-n-octyl phthalate	22.05	149	43395	6.130	ng #	99
86) Indeno(1,2,3-cd)pyrene	25.67	276	79065	1.018	ng	97
88) Benzo(b)fluoranthene	22.80	252	72295	1.054	ng	99
89) Benzo(k)fluoranthene	22.85	252	66731	0.969	ng	98
90) Benzo(a)pyrene	23.37	252	63154	0.969	ng #	92
91) Dibenzo(a,h)anthracene	25.69	278	65635	1.015	ng	92
92) Benzo(g,h,i)perylene	26.35	276	66468	1.037	ng	99

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

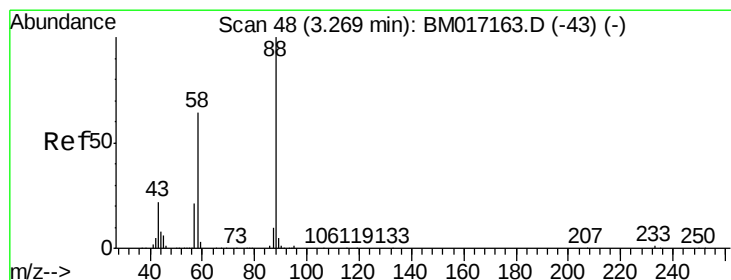
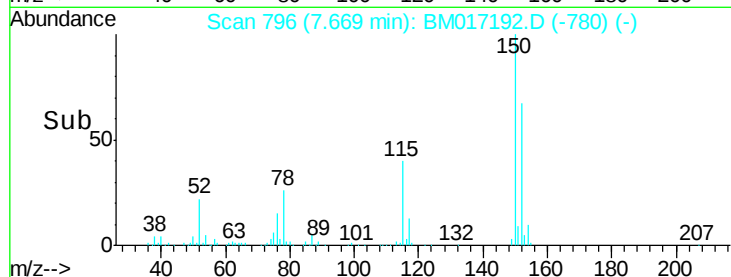
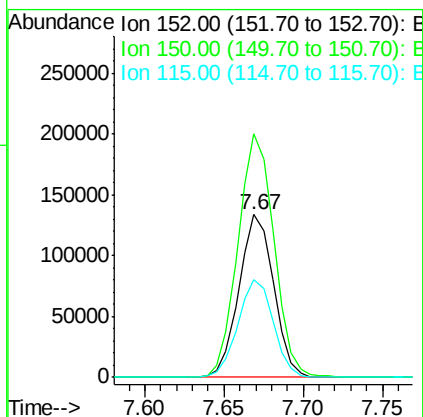
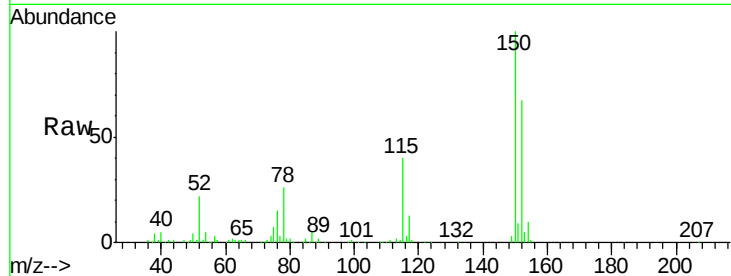


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

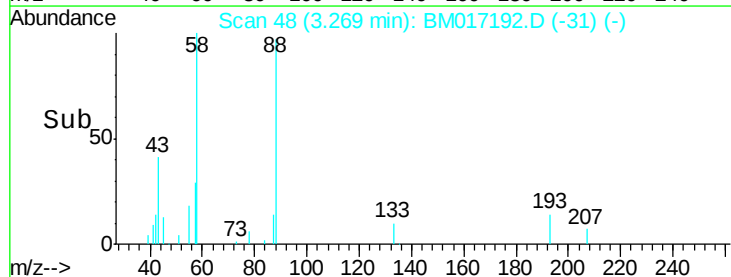
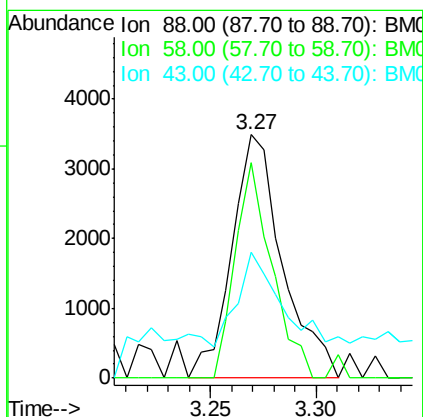
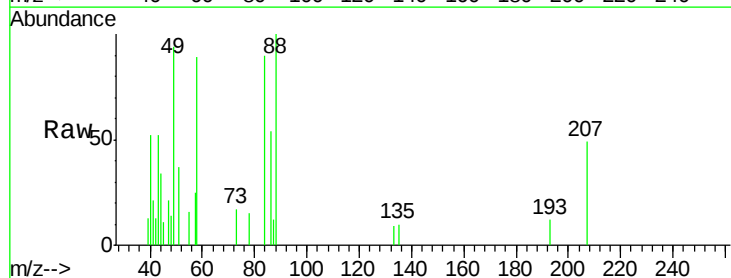
Tgt Ion:152 Resp: 203317
Ion Ratio Lower Upper
152 100
150 150.0 124.3 186.5
115 60.0 48.1 72.1

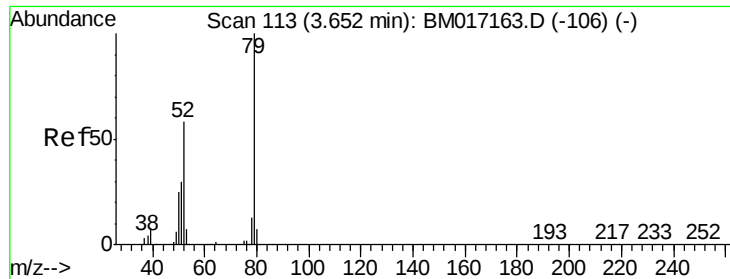


#2

1,4-Dioxane
Concen: 0.944 ng
RT: 3.27 min Scan# 48
Delta R.T. -0.00 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion: 88 Resp: 5795
Ion Ratio Lower Upper
88 100
58 64.2 50.2 75.4
43 41.7 19.3 28.9#





#3

Pyridine

Concen: 0.900 ng

RT: 3.68 min Scan# 117

Delta R.T. 0.02 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

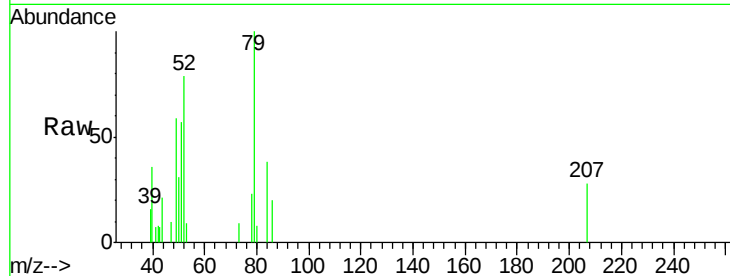
Tgt Ion: 79 Resp: 12705

Ion Ratio Lower Upper

79 100

52 79.3 46.5 69.7#

51 56.9 24.6 37.0#

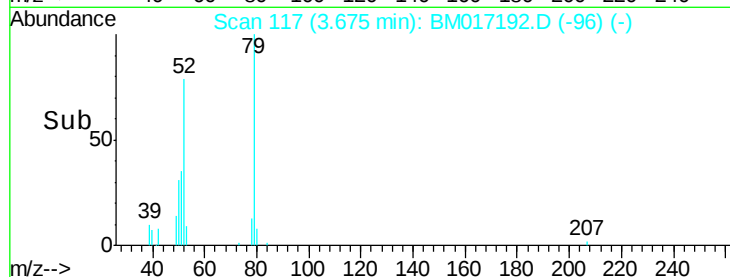


Abundance Ion 79.00 (78.70 to 79.70): BM017163.D (-106) (-)

Ion 52.00 (51.70 to 52.70): BM017163.D (-106) (-)

Ion 51.00 (50.70 to 51.70): BM017163.D (-106) (-)

Time-->

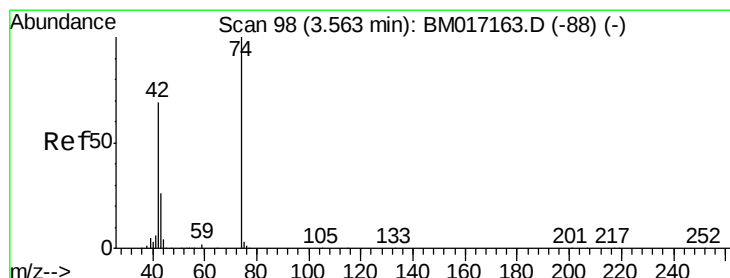


Abundance Ion 79.00 (78.70 to 79.70): BM017192.D (-96) (-)

Ion 52.00 (51.70 to 52.70): BM017192.D (-96) (-)

Ion 51.00 (50.70 to 51.70): BM017192.D (-96) (-)

Time-->



#4

n-Nitrosodimethylamine

Concen: 1.058 ng

RT: 3.58 min Scan# 100

Delta R.T. 0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

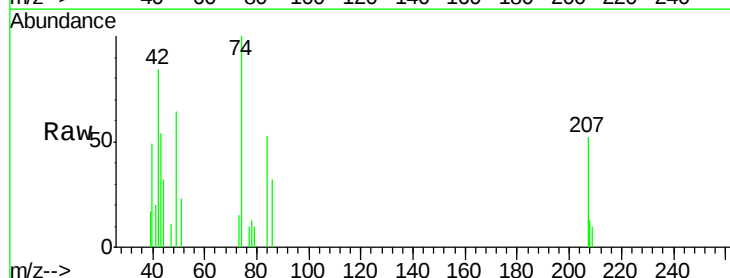
Tgt Ion: 42 Resp: 5999

Ion Ratio Lower Upper

42 100

74 119.3 114.4 171.6

44 37.6 48.6 73.0#

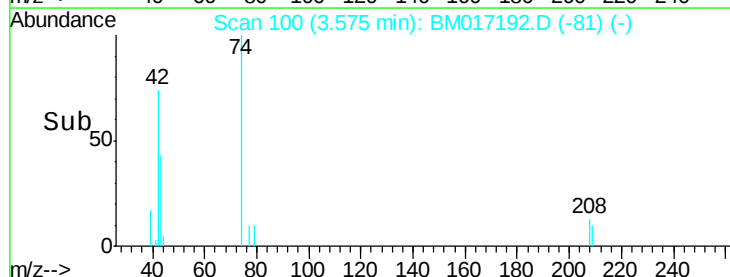


Abundance Ion 42.00 (41.70 to 42.70): BM017163.D (-88) (-)

Ion 74.00 (73.70 to 74.70): BM017163.D (-88) (-)

Ion 44.00 (43.70 to 44.70): BM017163.D (-88) (-)

Time-->

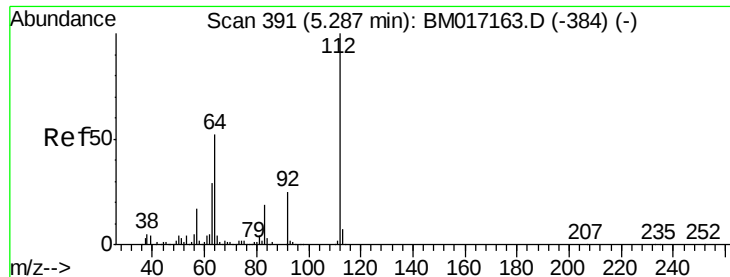


Abundance Ion 42.00 (41.70 to 42.70): BM017192.D (-81) (-)

Ion 74.00 (73.70 to 74.70): BM017192.D (-81) (-)

Ion 44.00 (43.70 to 44.70): BM017192.D (-81) (-)

Time-->



#5

2-Fluorophenol

Concen: 138.956 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

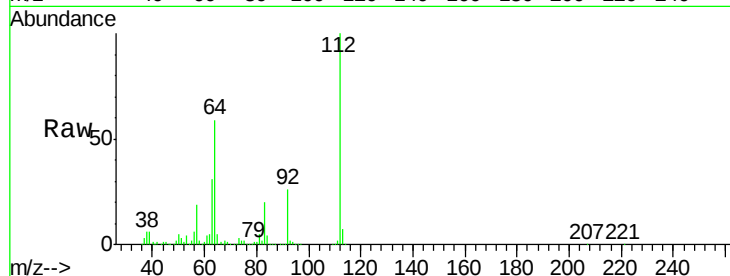
Tgt Ion: 112 Resp: 1670409

Ion Ratio Lower Upper

112 100

64 58.9 41.7 62.5

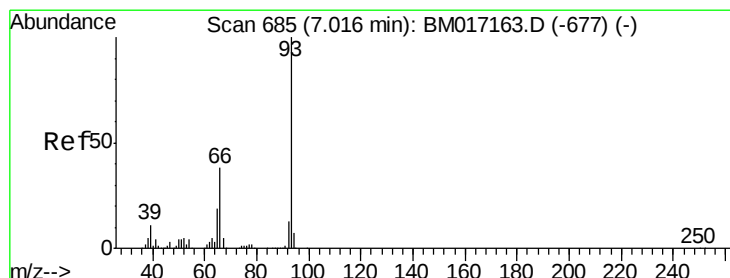
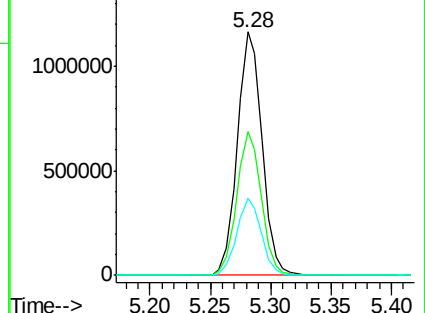
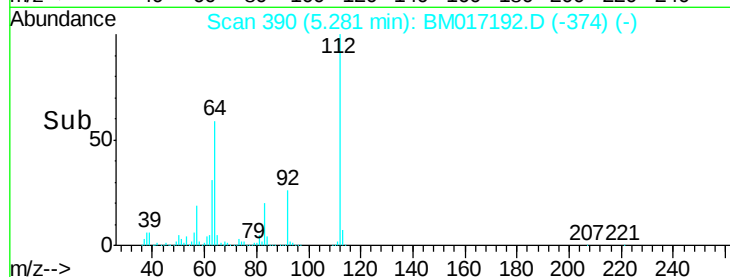
63 31.5 23.0 34.4



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: 0.615 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

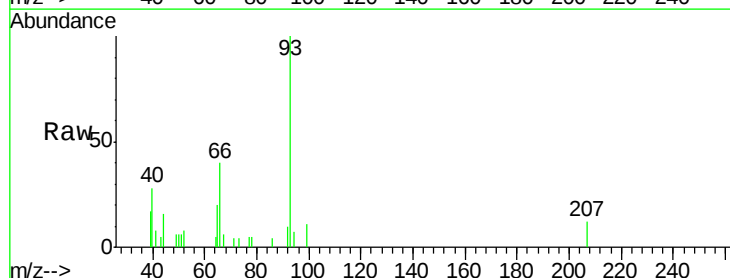
Tgt Ion: 93 Resp: 12597

Ion Ratio Lower Upper

93 100

66 40.0 30.4 45.6

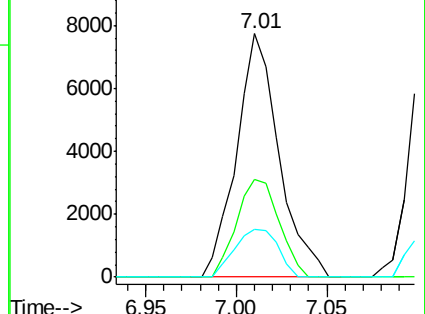
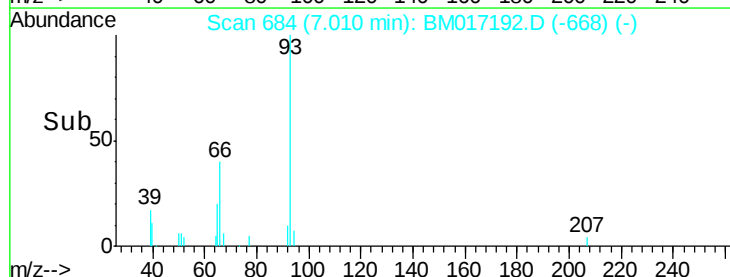
65 19.7 15.3 22.9

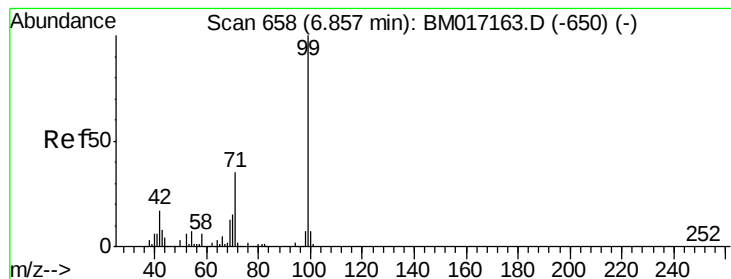


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 66.00 (65.70 to 66.70): BM0

Ion 65.00 (64.70 to 65.70): BM0





#7

Phenol-d6

Concen: 132.002 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

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ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

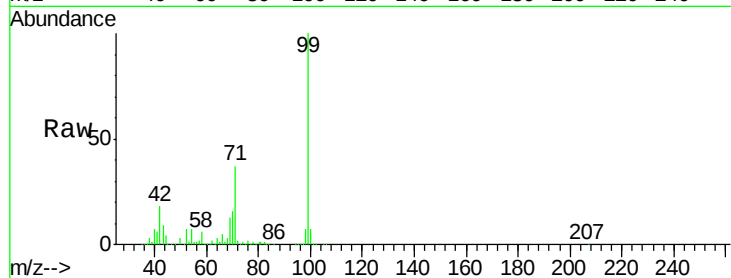
Tgt Ion: 99 Resp: 2161152

Ion Ratio Lower Upper

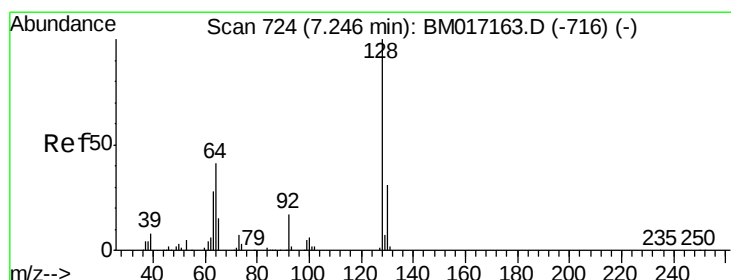
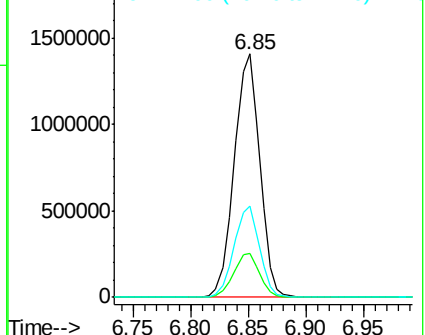
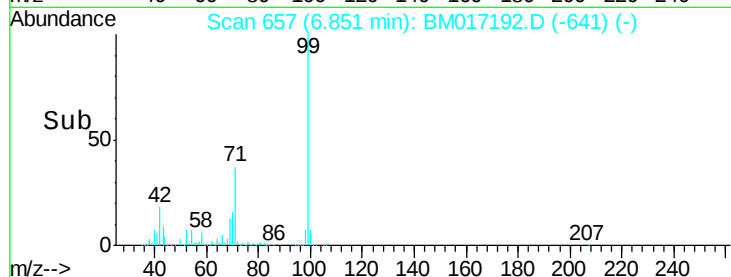
99 100

42 18.2 13.3 19.9

71 37.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017192.D (-641) (-)



#8

2-Chlorophenol

Concen: 1.074 ng

RT: 7.23 min Scan# 722

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

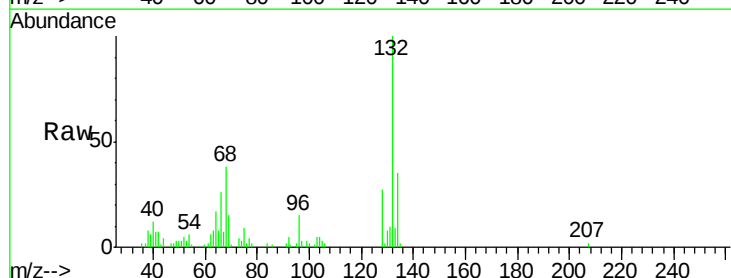
Tgt Ion: 128 Resp: 14938

Ion Ratio Lower Upper

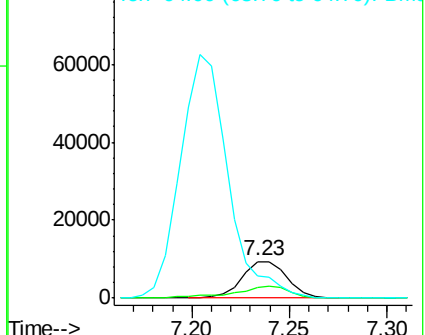
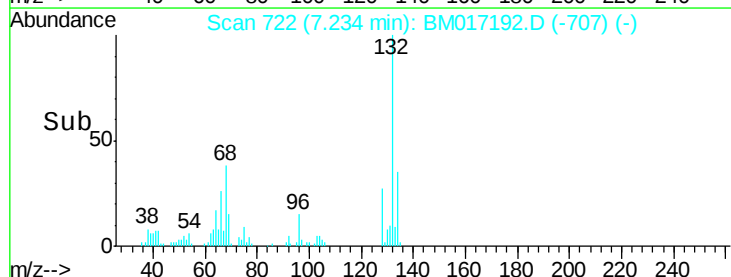
128 100

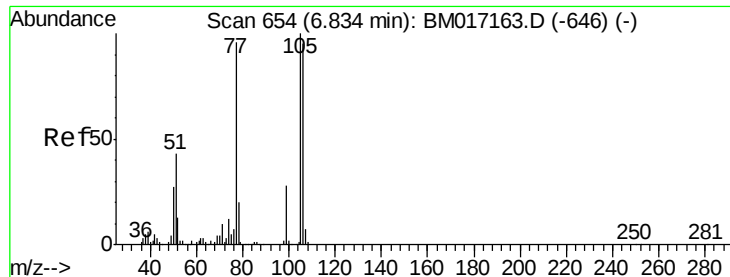
130 29.5 11.0 51.0

64 61.1 24.1 64.1



Abundance Ion 128.00 (127.70 to 128.70): BM017192.D (-707) (-)





#9

Benzaldehyde

Concen: 1.376 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

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MDL-MDL-SOIL-03-QT4-2018

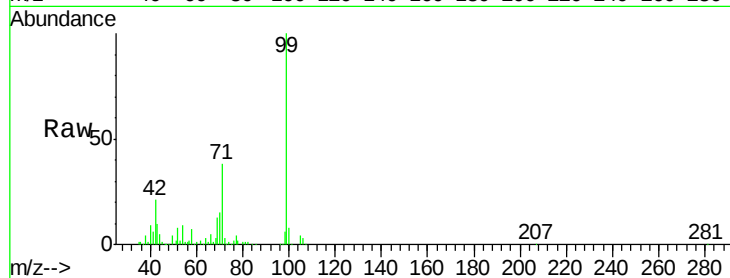
Tgt Ion: 77 Resp: 14360

Ion Ratio Lower Upper

77 100

105 93.1 83.9 123.9

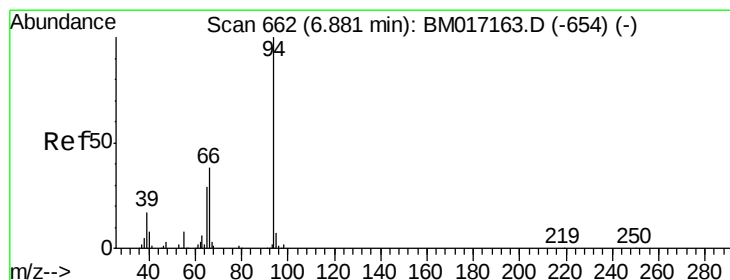
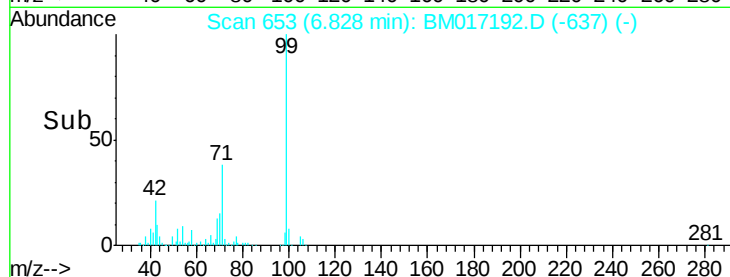
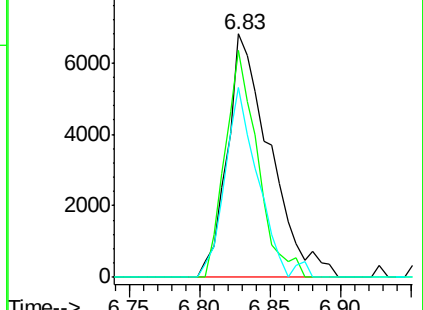
106 78.2 78.2 118.2



Abundance Ion 77.00 (76.70 to 77.70): BM017163.D (-646) (-)

Ion 105.00 (104.70 to 105.70): BM017163.D (-646) (-)

Ion 106.00 (105.70 to 106.70): BM017163.D (-646) (-)



#10

Phenol

Concen: 1.004 ng

RT: 6.87 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

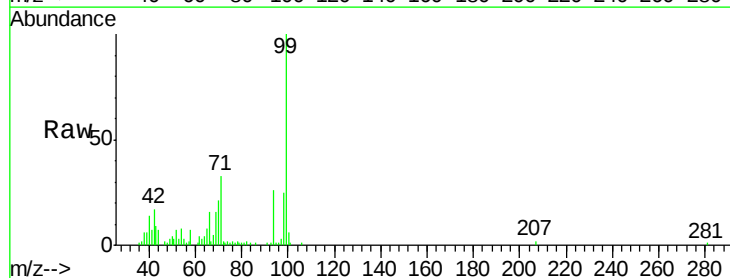
Tgt Ion: 94 Resp: 17683

Ion Ratio Lower Upper

94 100

65 31.8 9.4 49.4

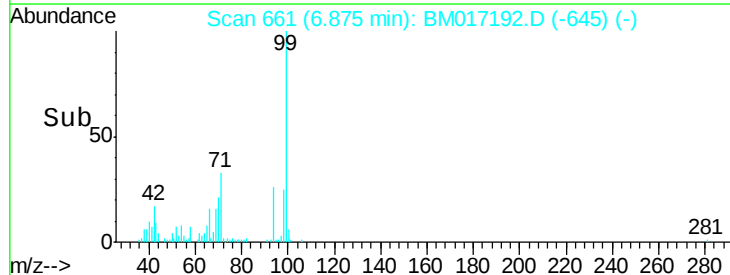
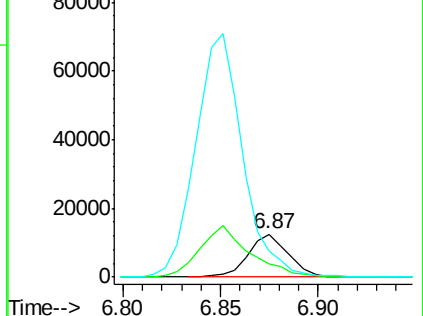
66 61.9 19.0 59.0#

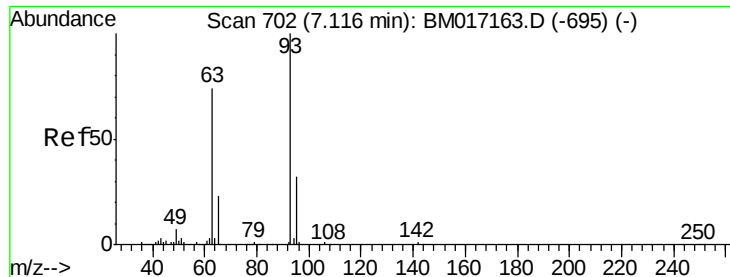


Abundance Ion 94.00 (93.70 to 94.70): BM017163.D (-654) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-654) (-)

Ion 66.00 (65.70 to 66.70): BM017163.D (-654) (-)

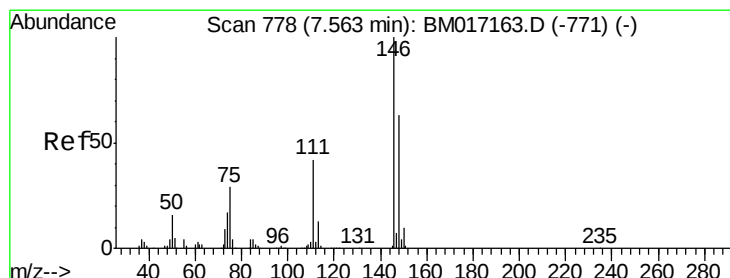
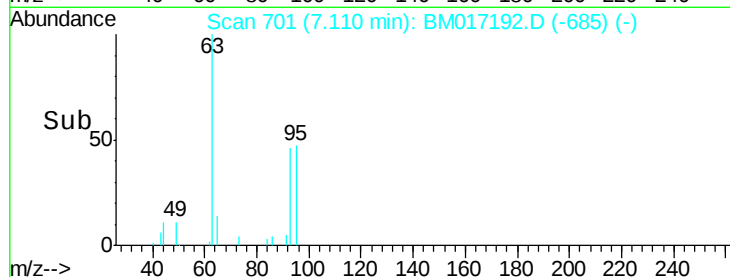
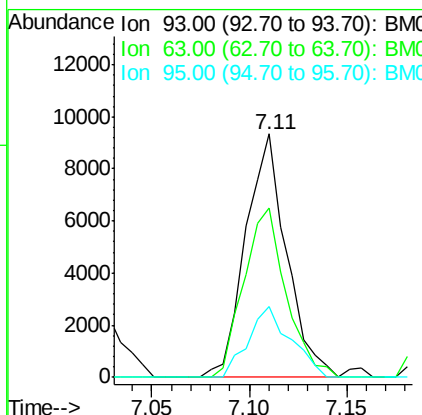
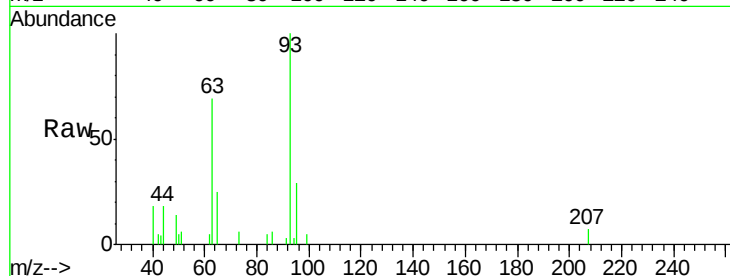




#11
bis(2-Chloroethyl)ether
Concen: 0.966 ng
RT: 7.11 min Scan# 701
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

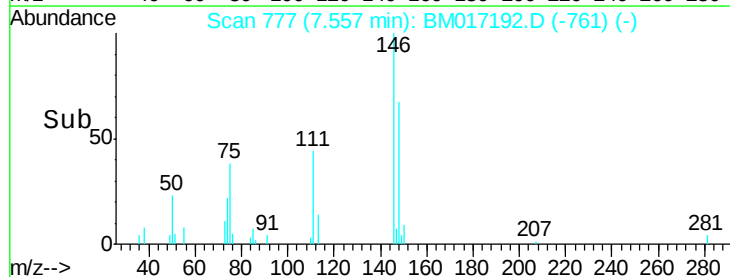
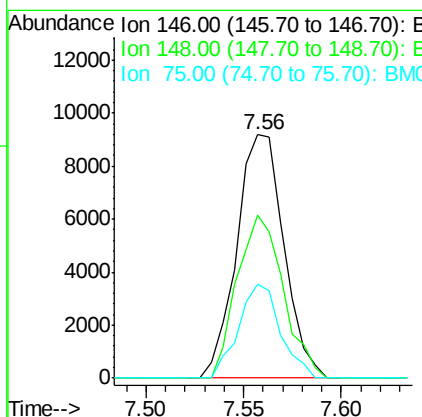
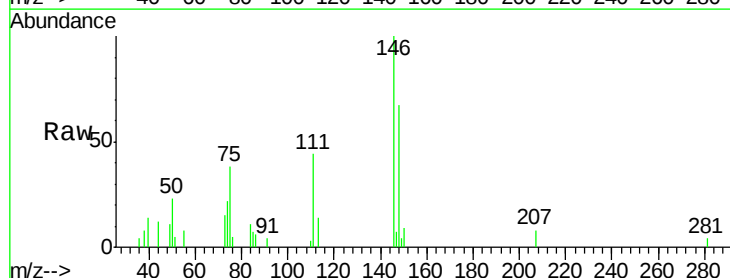
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

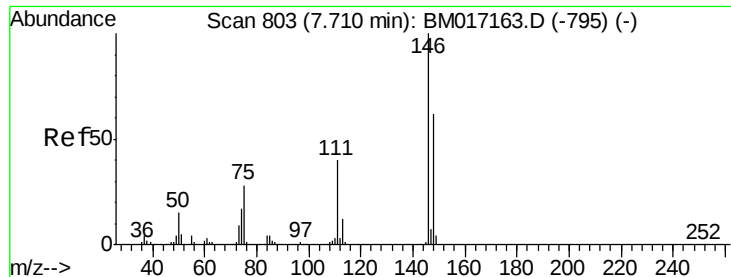
Tgt Ion: 93 Resp: 13573
Ion Ratio Lower Upper
93 100
63 69.4 54.0 94.0
95 29.0 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 0.949 ng
RT: 7.56 min Scan# 777
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion: 146 Resp: 15389
Ion Ratio Lower Upper
146 100
148 66.8 50.2 75.4
75 38.3 23.3 34.9#

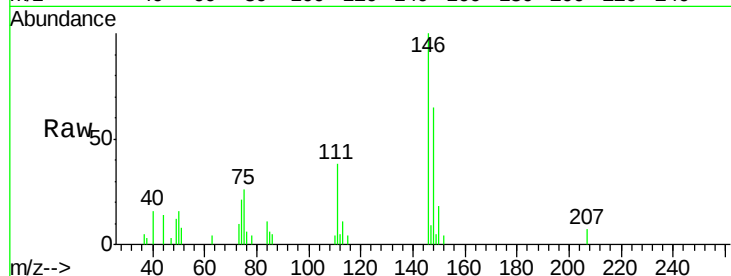




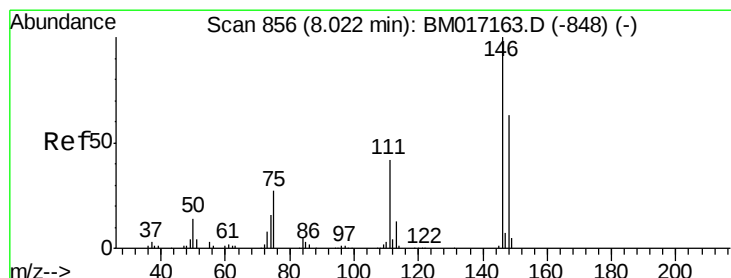
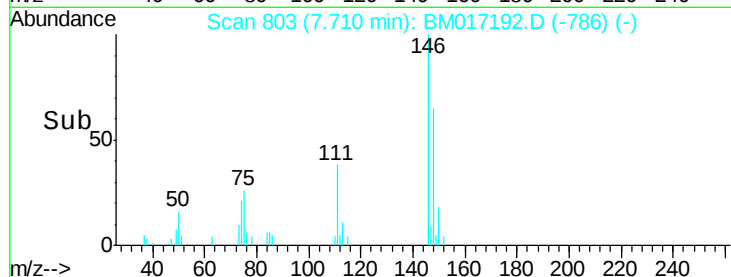
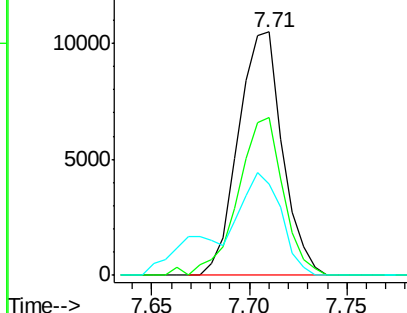
#13
 1,4-Dichlorobenzene
 Concen: 0.992 ng
 RT: 7.71 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:146 Resp: 16434
 Ion Ratio Lower Upper
 146 100
 148 64.6 49.8 74.6
 111 37.7 32.1 48.1

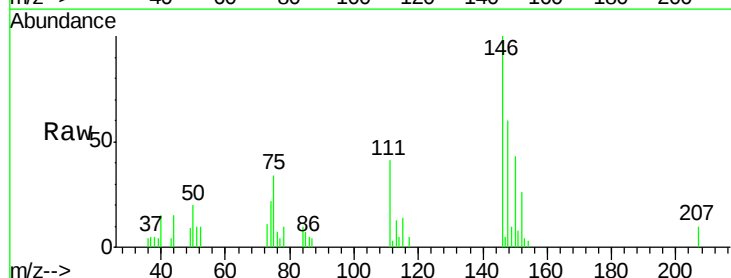


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

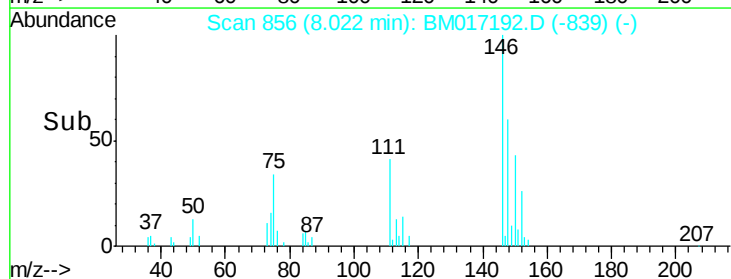
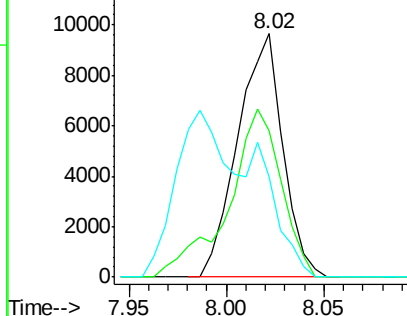


#14
 1,2-Dichlorobenzene
 Concen: 0.967 ng
 RT: 8.02 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

Tgt Ion:146 Resp: 15426
 Ion Ratio Lower Upper
 146 100
 148 60.0 50.8 76.2
 111 41.1 33.8 50.6



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: 0.872 ng

RT: 7.92 min Scan# 839

Delta R.T. -0.00 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

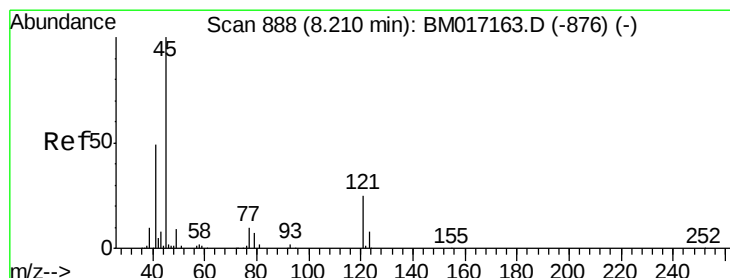
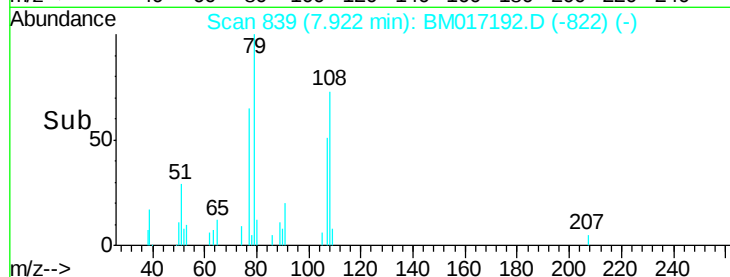
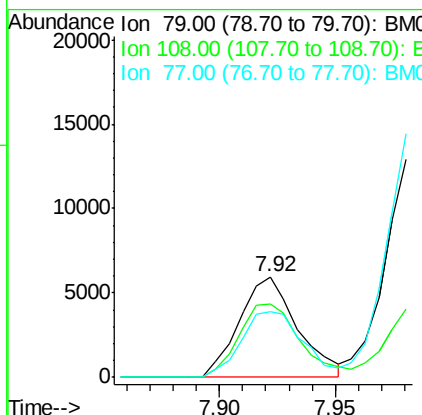
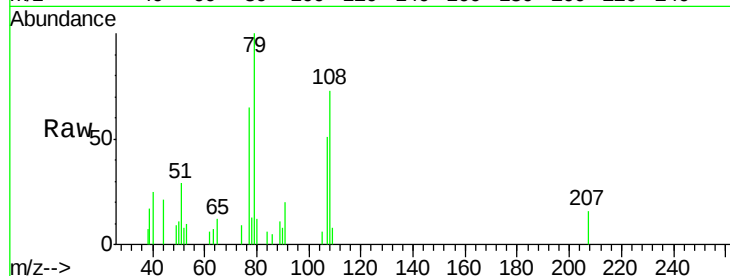
Tgt Ion: 79 Resp: 10435

Ion Ratio Lower Upper

79 100

108 72.8 60.3 90.5

77 65.5 54.8 82.2



#16

2,2'-oxybis(1-chloropropane)

Concen: 0.904 ng

RT: 8.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

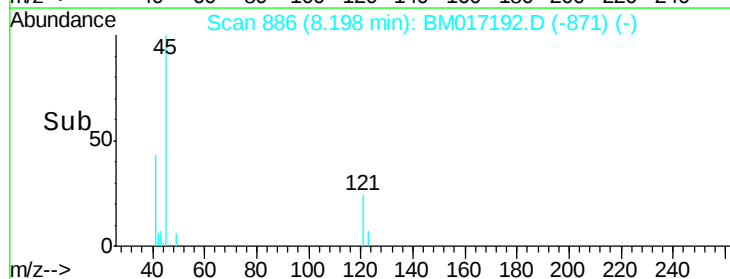
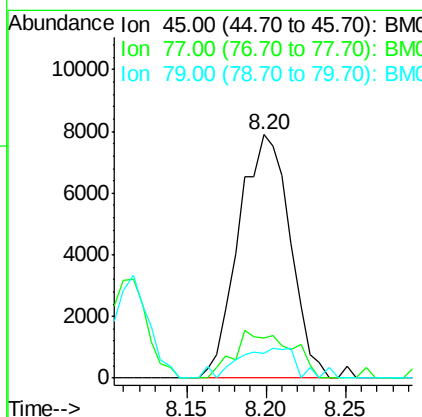
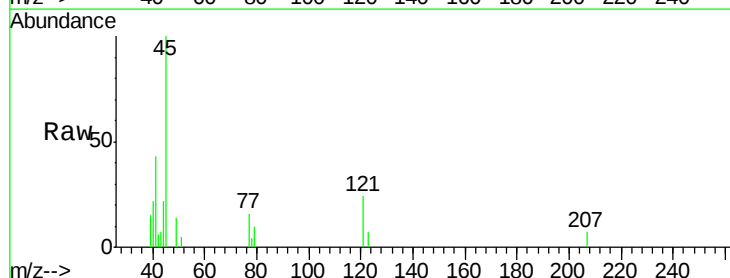
Tgt Ion: 45 Resp: 17746

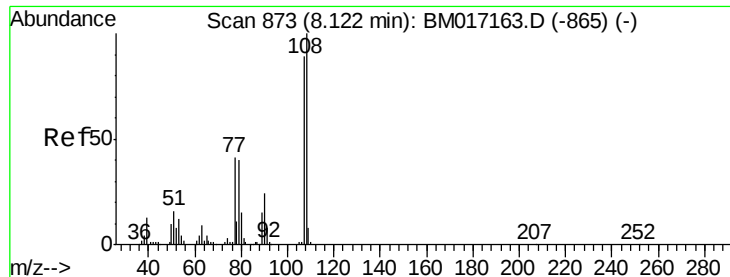
Ion Ratio Lower Upper

45 100

77 16.4 0.0 35.5

79 10.3 0.0 32.1

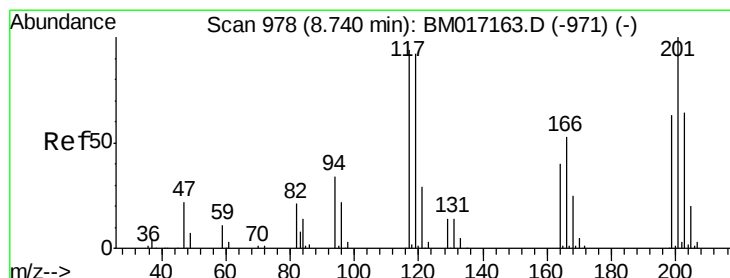
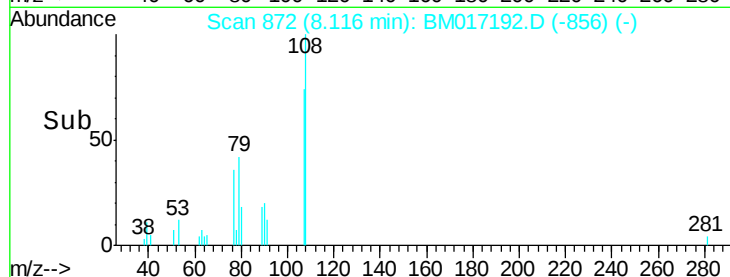
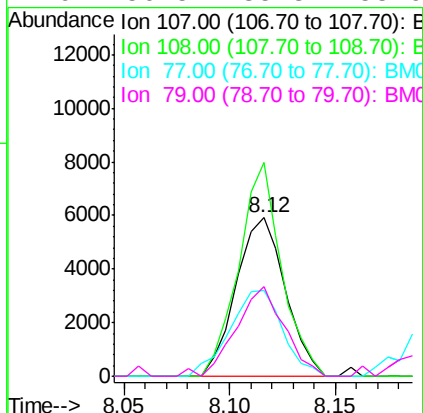
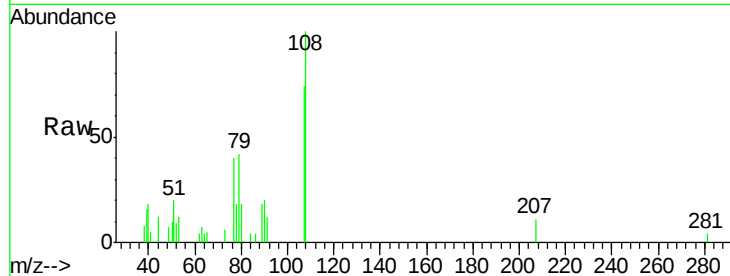




#17
2-Methylphenol
Concen: 0.844 ng
RT: 8.12 min Scan# 872
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

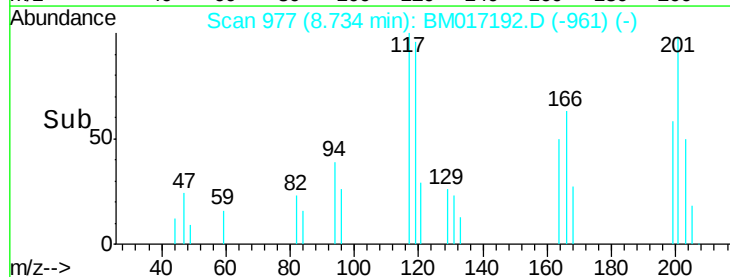
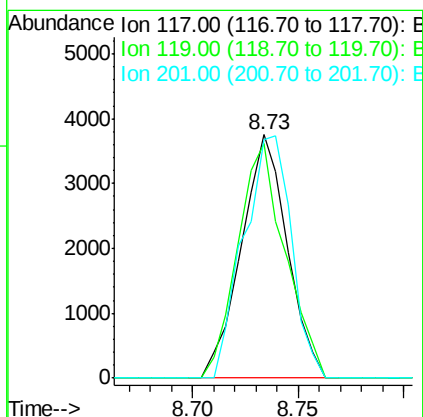
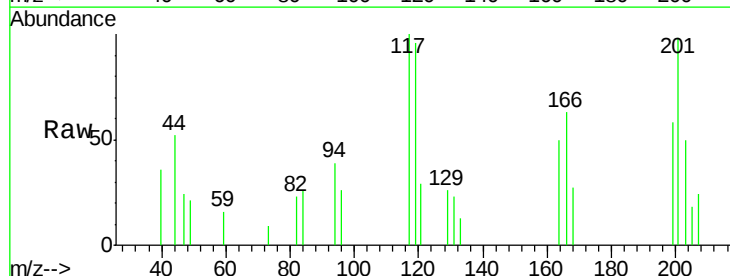
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

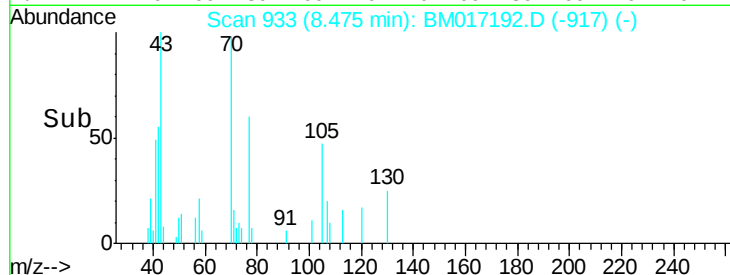
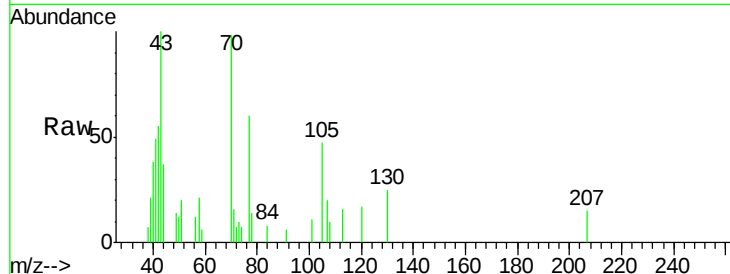
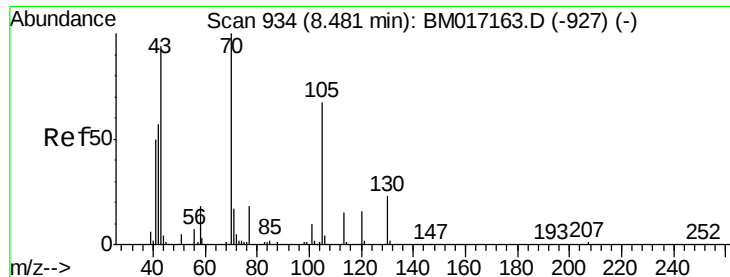
Tgt Ion:107 Resp: 9544
Ion Ratio Lower Upper
107 100
108 134.7 90.3 135.5
77 54.3 37.0 55.4
79 56.5 35.8 53.6#



#18
Hexachloroethane
Concen: 1.000 ng
RT: 8.73 min Scan# 977
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:117 Resp: 5666
Ion Ratio Lower Upper
117 100
119 96.1 78.2 117.2
201 97.8 85.3 127.9

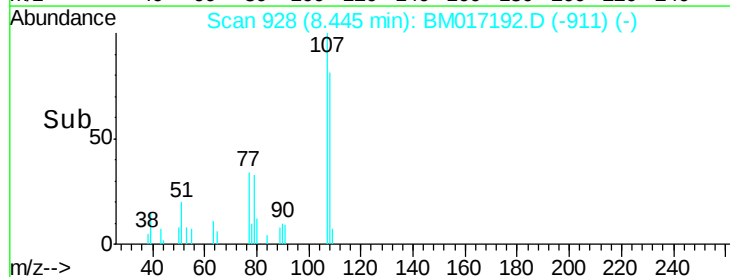
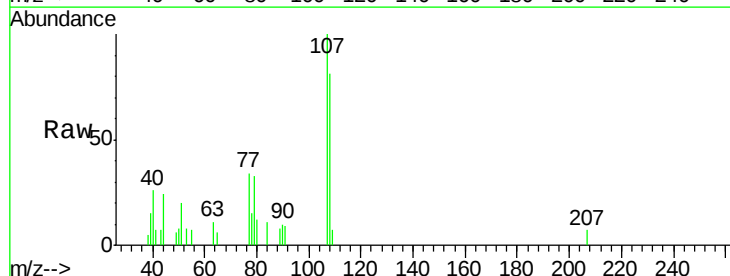
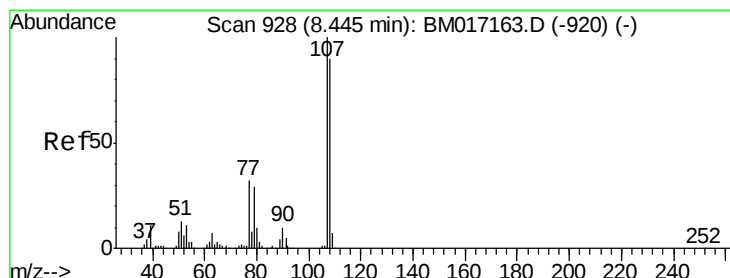
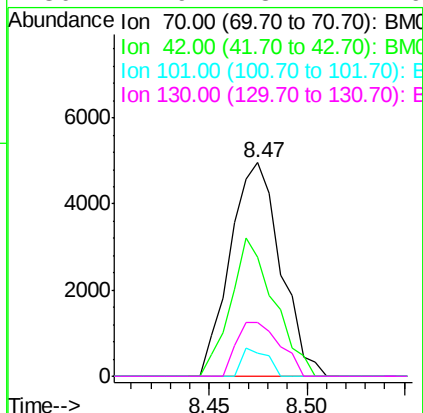




#19
n-Nitroso-di-n-propylamine
Concen: 0.823 ng
RT: 8.47 min Scan# 933
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

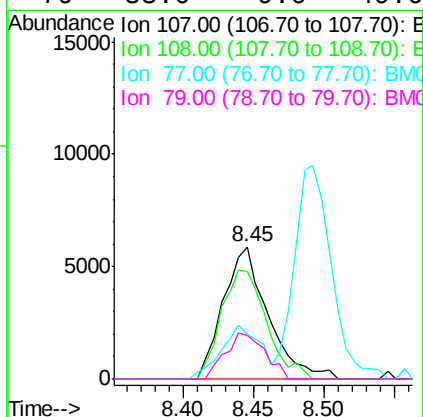
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

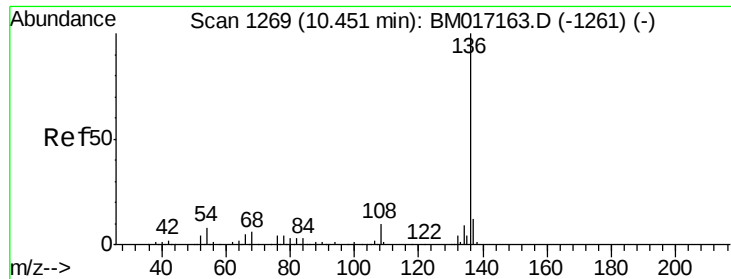
Tgt Ion:	70	Resp:	8873
Ion	Ratio	Lower	Upper
70	100		
42	55.6	46.1	69.1
101	10.9	8.2	12.4
130	24.9	18.4	27.6



#20
3+4-Methylphenols
Concen: 0.842 ng
RT: 8.45 min Scan# 928
Delta R.T. -0.00 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:	107	Resp:	13031
Ion	Ratio	Lower	Upper
107	100		
108	81.0	69.9	109.9
77	34.0	12.2	52.2
79	33.0	9.0	49.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:136 Resp: 822899

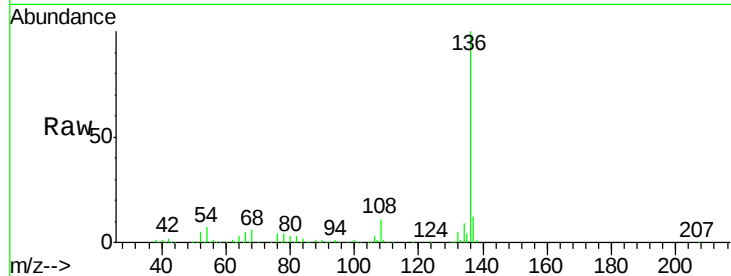
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 7.4 6.7 10.1

68 5.7 4.7 7.1

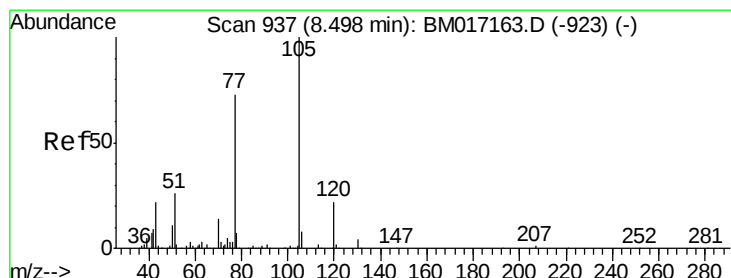
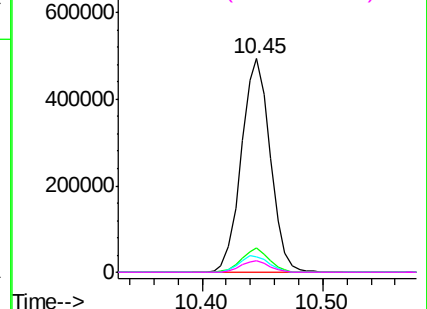
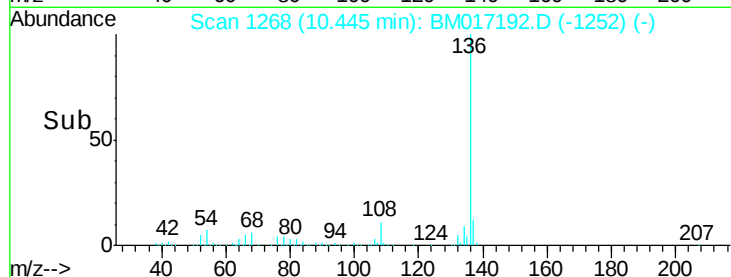


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 0.927 ng

RT: 8.49 min Scan# 936

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Tgt Ion:105 Resp: 19333

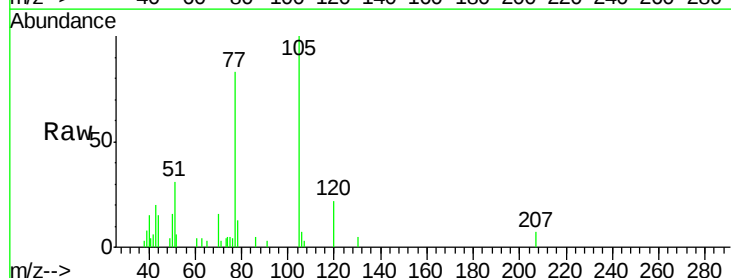
Ion Ratio Lower Upper

105 100

71 3.0 2.0 3.0

51 30.7 20.6 31.0

120 22.5 17.5 26.3

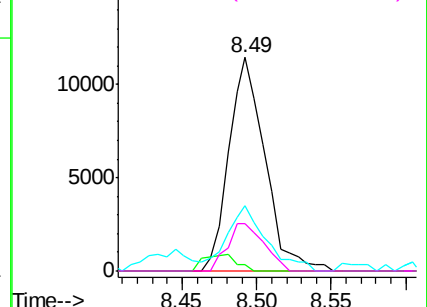
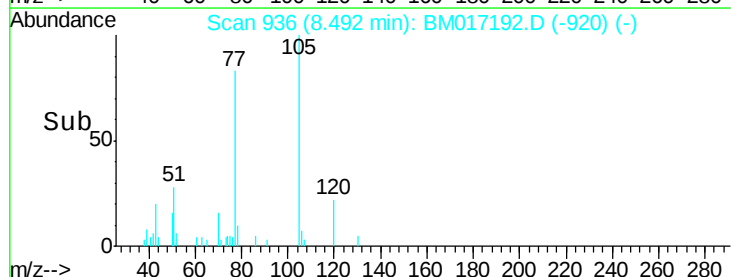


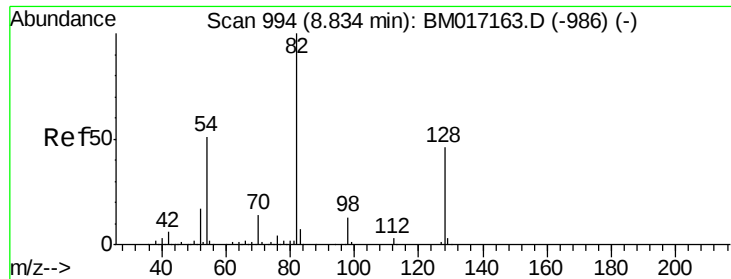
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

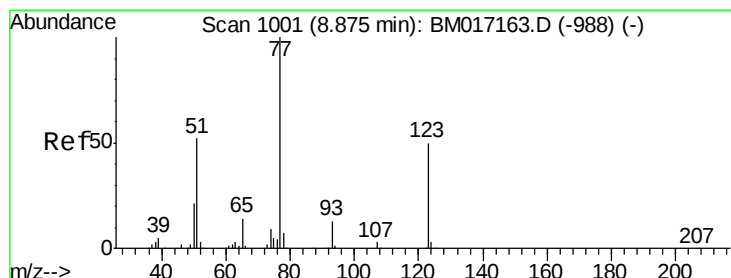
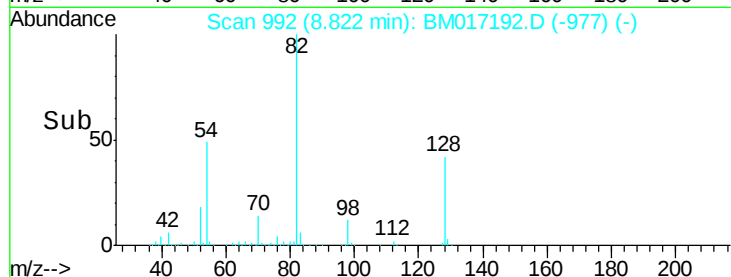
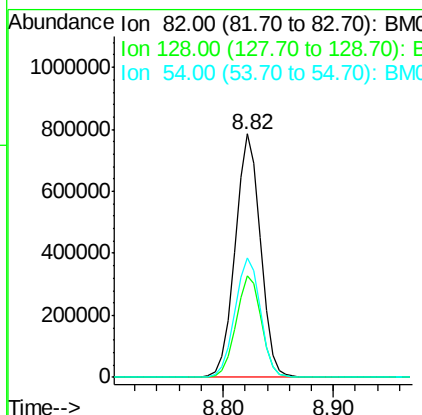
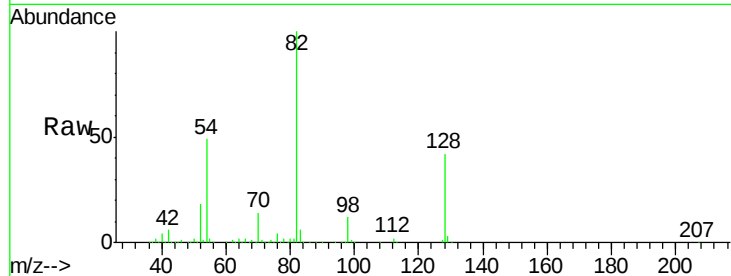




#23
 Nitrobenzene-d5
 Concen: 89.893 ng
 RT: 8.82 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

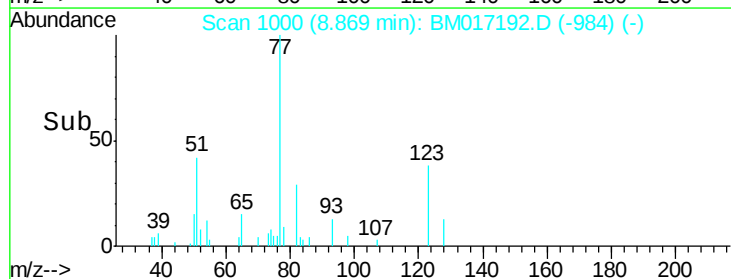
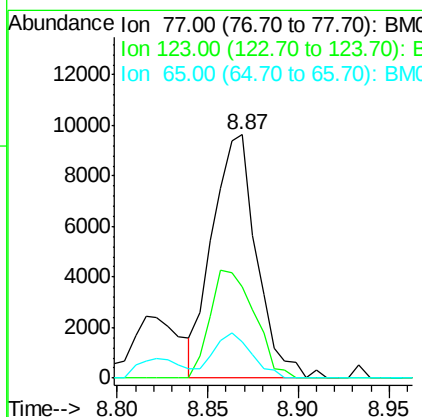
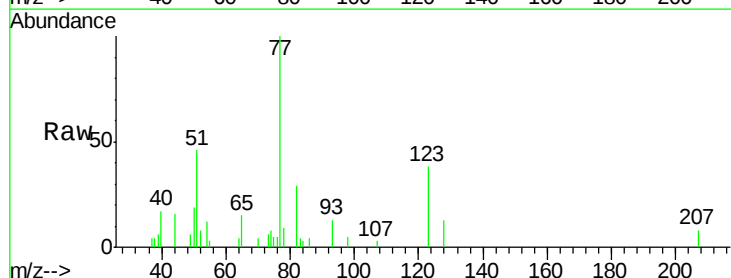
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

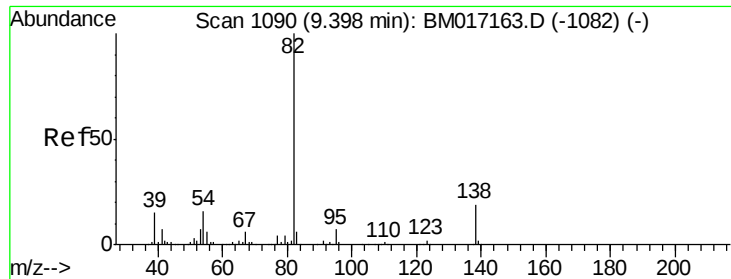
Tgt Ion: 82 Resp: 1264798
 Ion Ratio Lower Upper
 82 100
 128 41.6 37.0 55.6
 54 48.9 40.7 61.1



#24
 Nitrobenzene
 Concen: 1.099 ng
 RT: 8.87 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

Tgt Ion: 77 Resp: 16357
 Ion Ratio Lower Upper
 77 100
 123 37.6 40.2 60.4#
 65 14.6 11.4 17.0





#25

Isophorone

Concen: 1.022 ng

RT: 9.39 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

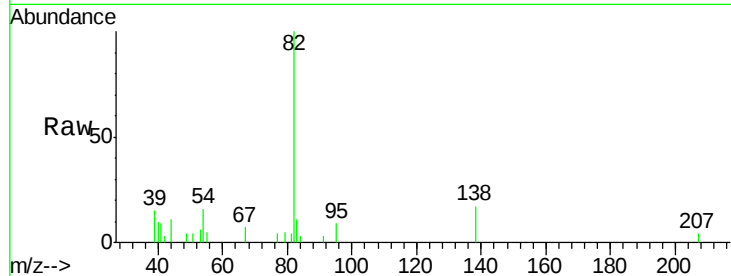
Tgt Ion: 82 Resp: 23741

Ion Ratio Lower Upper

82 100

95 9.3 6.0 9.0#

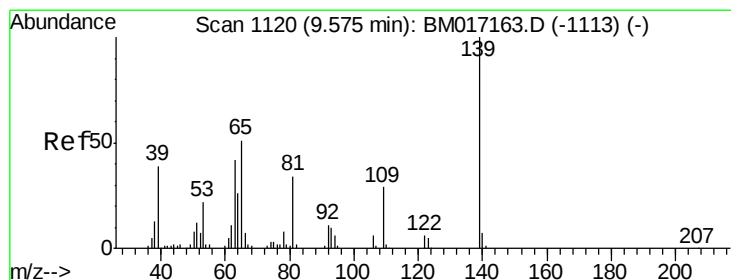
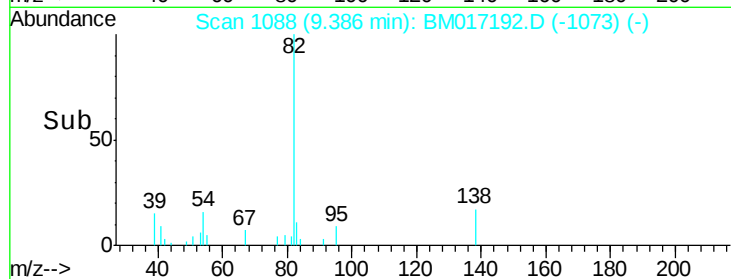
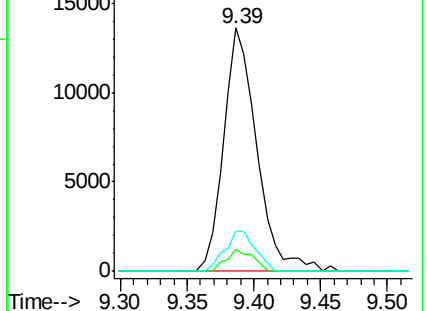
138 16.6 15.4 23.2



Abundance Ion 82.00 (81.70 to 82.70): BM017163.D (-1082) (-)

Ion 95.00 (94.70 to 95.70): BM017163.D (-1082) (-)

Ion 138.00 (137.70 to 138.70): BM017163.D (-1082) (-)



#26

2-Nitrophenol

Concen: 6.266 ng

RT: 9.58 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

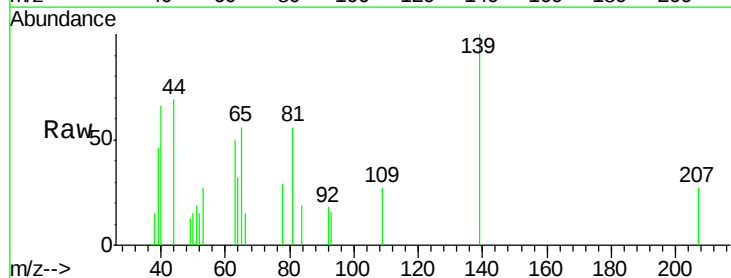
Tgt Ion: 139 Resp: 4447

Ion Ratio Lower Upper

139 100

109 26.6 23.2 34.8

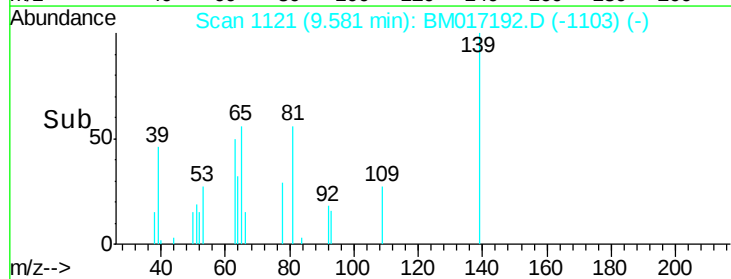
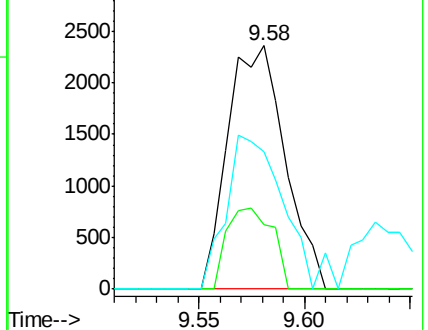
65 56.5 40.6 61.0

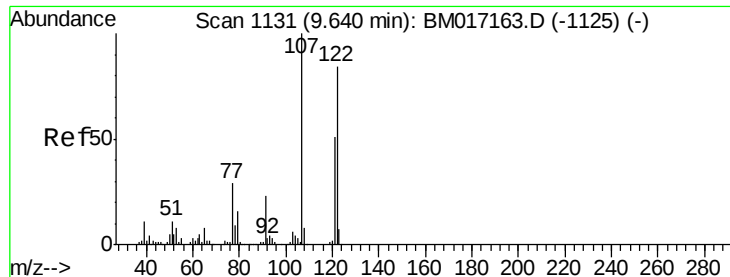


Abundance Ion 139.00 (138.70 to 139.70): BM017163.D (-1113) (-)

Ion 109.00 (108.70 to 109.70): BM017163.D (-1113) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-1113) (-)

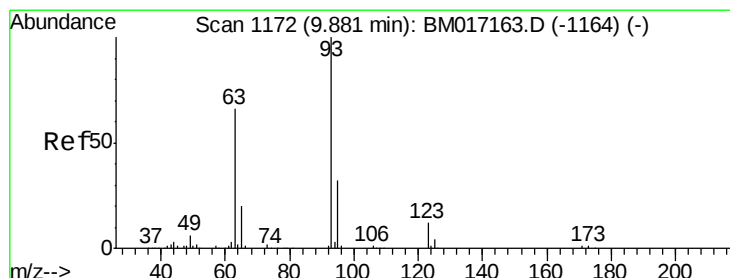
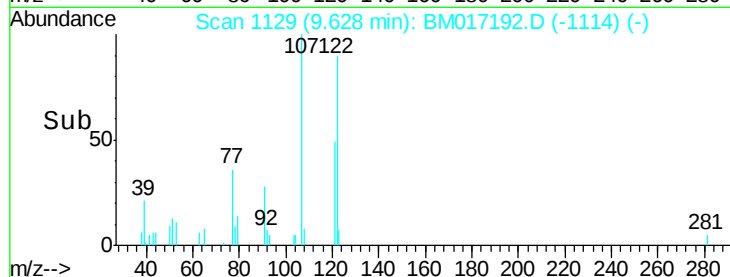
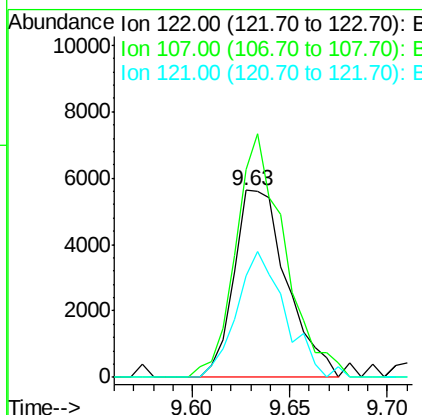
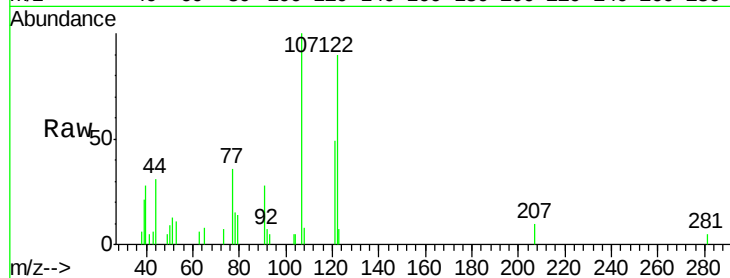




#27
2,4-Dimethylphenol
Concen: 1.027 ng
RT: 9.63 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

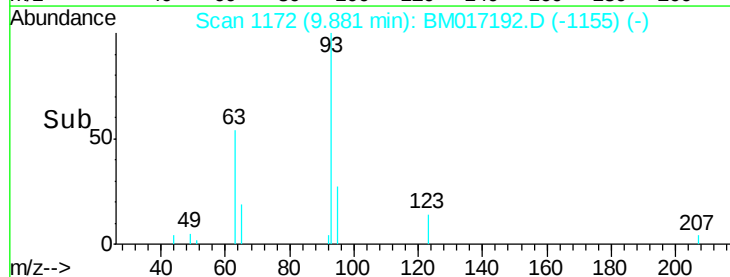
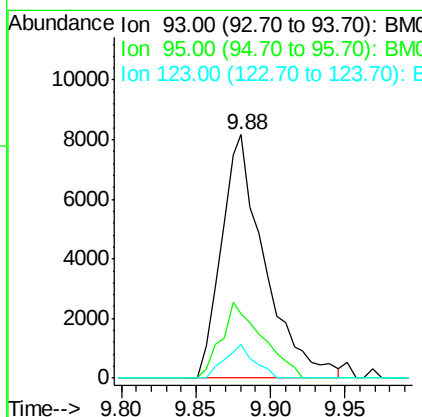
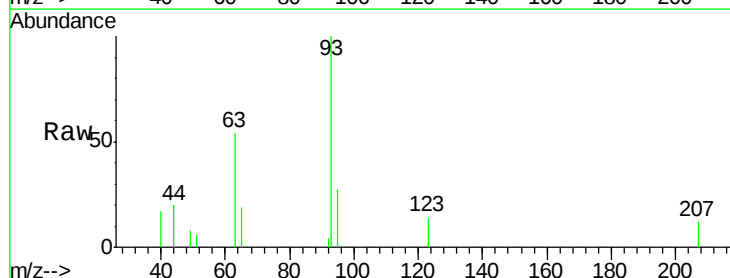
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

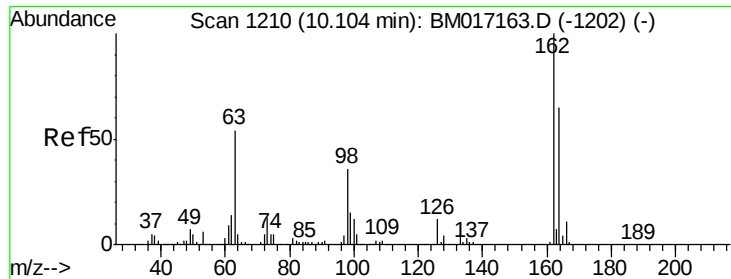
Tgt Ion:122 Resp: 10556
Ion Ratio Lower Upper
122 100
107 111.4 95.0 142.6
121 54.6 48.2 72.4



#28
bis(2-Chloroethoxy)methane
Concen: 1.006 ng
RT: 9.88 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion: 93 Resp: 16446
Ion Ratio Lower Upper
93 100
95 26.6 25.7 38.5
123 13.8 9.4 14.0

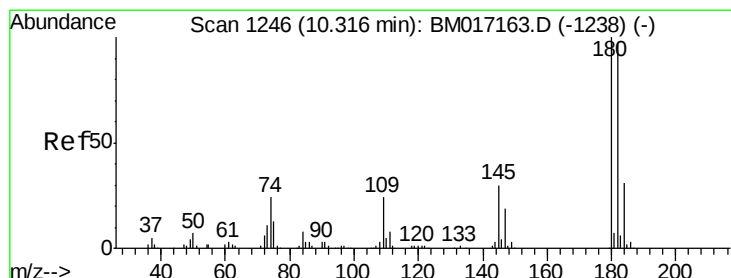
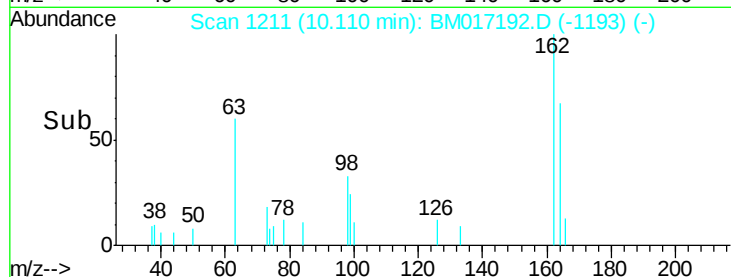
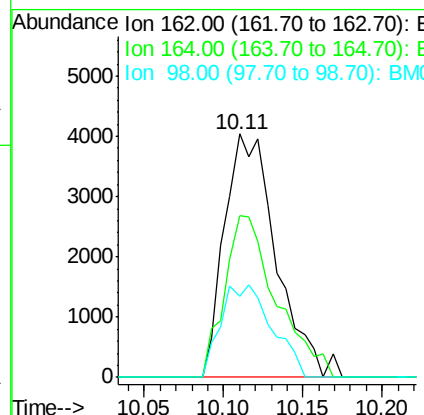
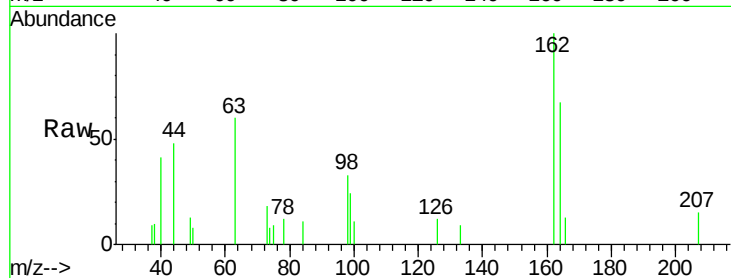




#29
2,4-Dichlorophenol
Concen: 0.768 ng
RT: 10.11 min Scan# 1211
Delta R.T. 0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

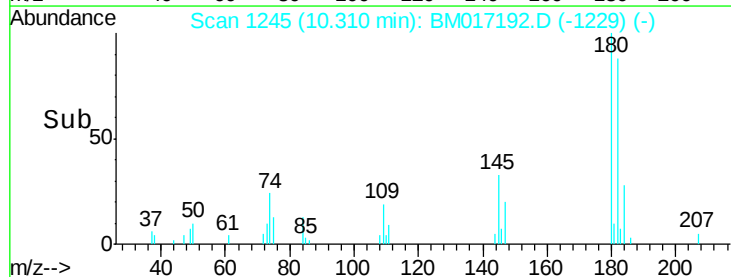
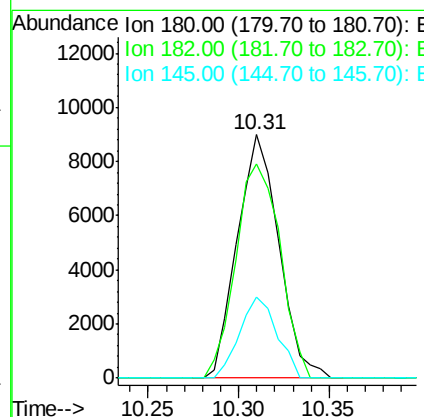
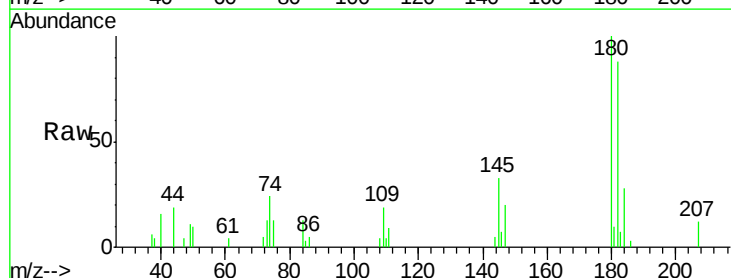
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

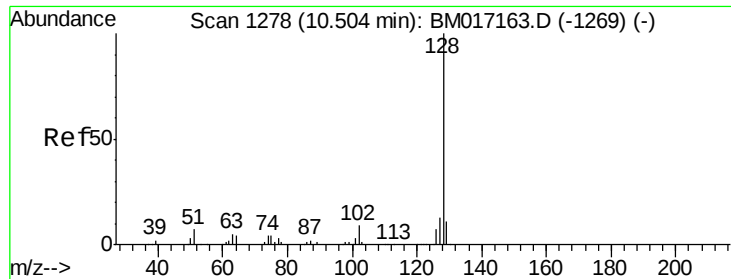
Tgt Ion:162 Resp: 9160
Ion Ratio Lower Upper
162 100
164 66.6 44.9 84.9
98 33.5 15.8 55.8



#30
1,2,4-Trichlorobenzene
Concen: 1.001 ng
RT: 10.31 min Scan# 1245
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:180 Resp: 14318
Ion Ratio Lower Upper
180 100
182 87.9 77.5 116.3
145 33.4 24.0 36.0

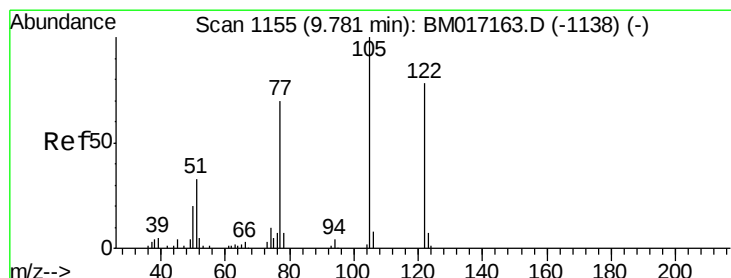
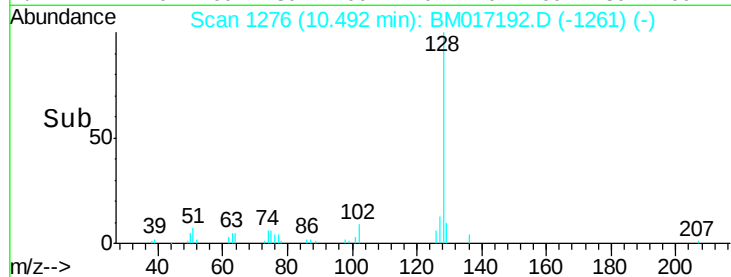
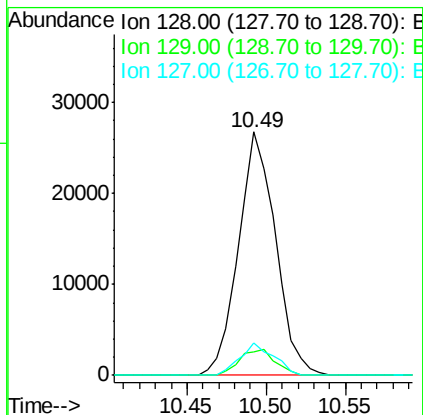
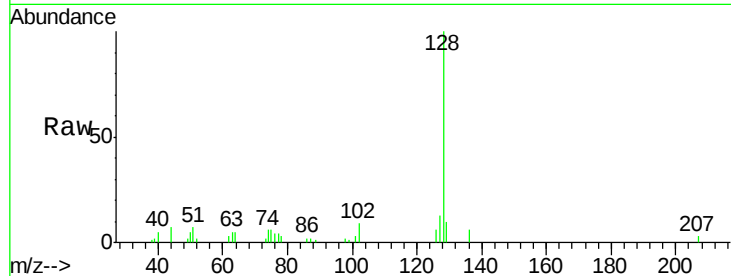




#31
Naphthalene
Concen: 1.079 ng
RT: 10.49 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

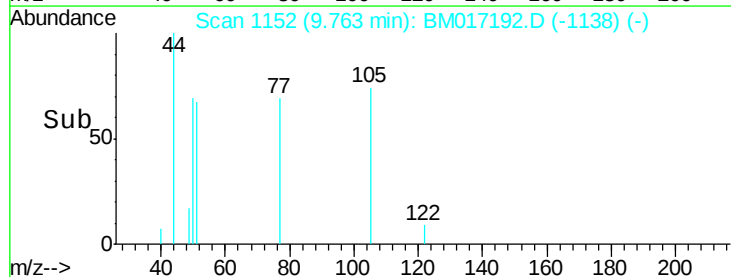
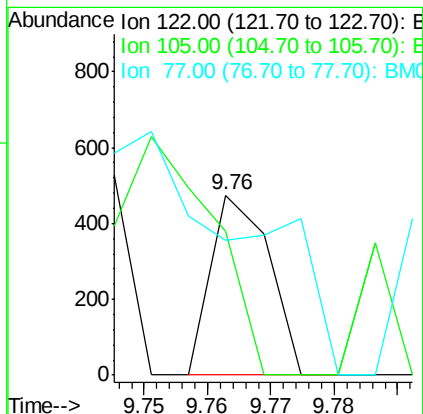
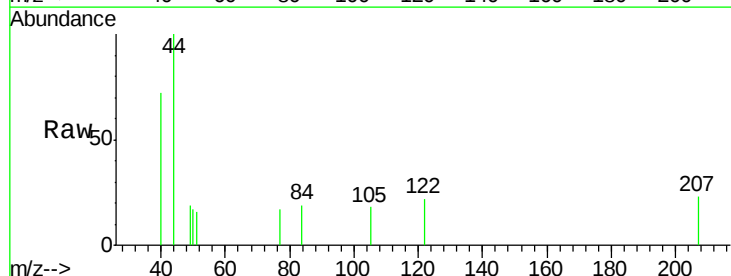
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:128 Resp: 43522
Ion Ratio Lower Upper
128 100
129 9.7 8.5 12.7
127 13.4 10.3 15.5



#32
Benzoic acid
Concen: 0.039 ng
RT: 9.76 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:122 Resp: 299
Ion Ratio Lower Upper
122 100
105 80.4 102.0 142.0#
77 74.9 67.7 107.7

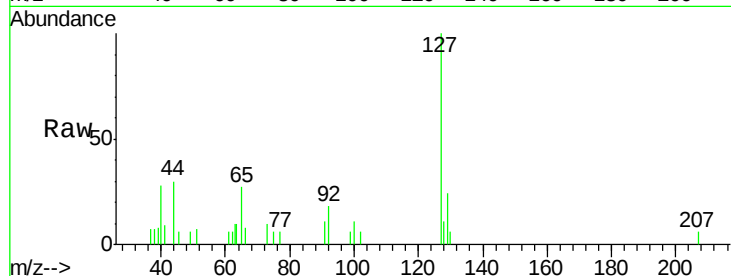




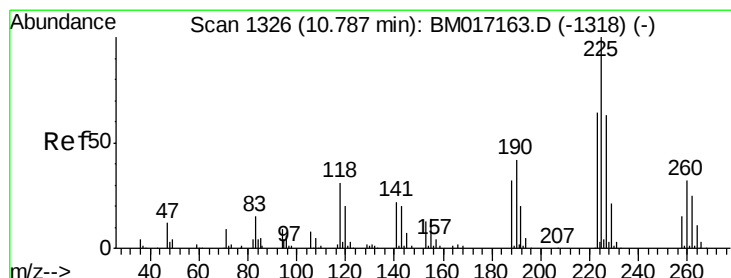
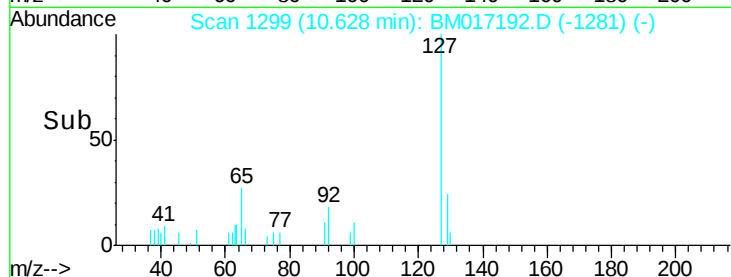
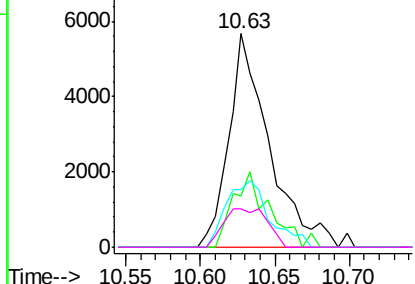
#33
4-Chloroaniline
Concen: 0.615 ng
RT: 10.63 min Scan# 1299
Delta R.T. 0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	127	Resp:	10717
Ion	Ratio	Lower	Upper
127	100		
129	24.2	26.2	39.4#
65	26.9	23.7	35.5
92	18.0	14.3	21.5

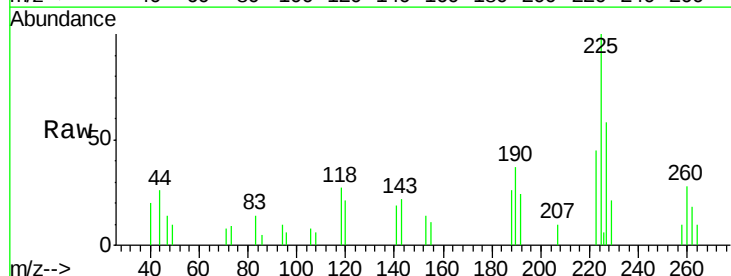


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

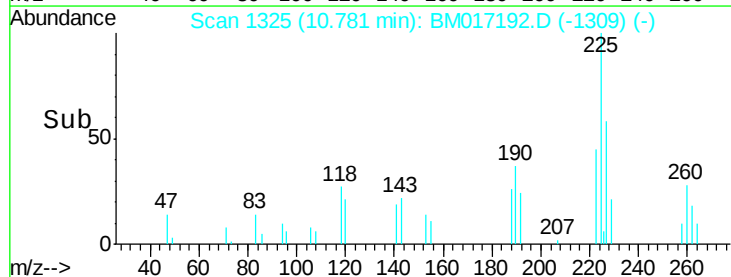
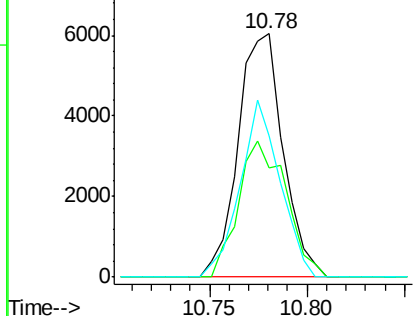


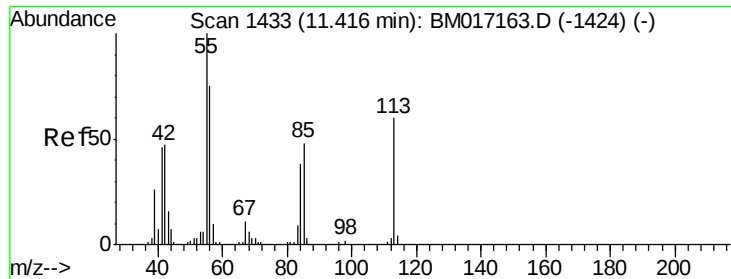
#34
Hexachlorobutadiene
Concen: 1.066 ng
RT: 10.78 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:	225	Resp:	9667
Ion	Ratio	Lower	Upper
225	100		
223	42.3	51.0	76.6#
227	54.4	50.8	76.2



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

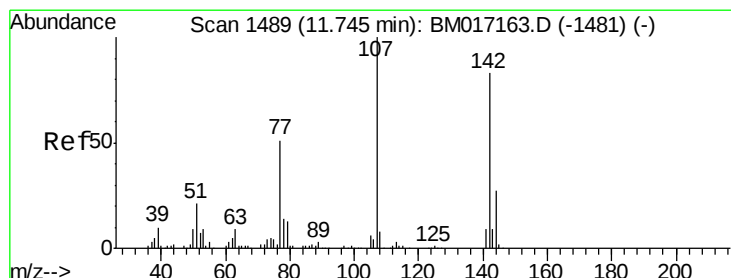
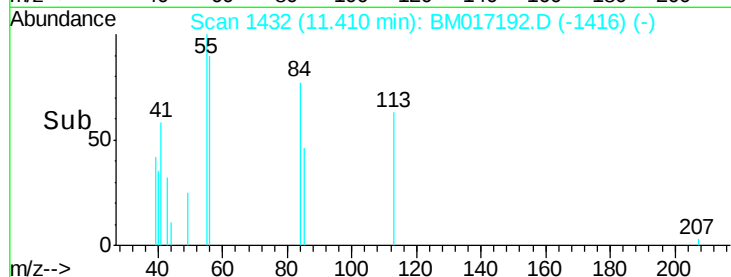
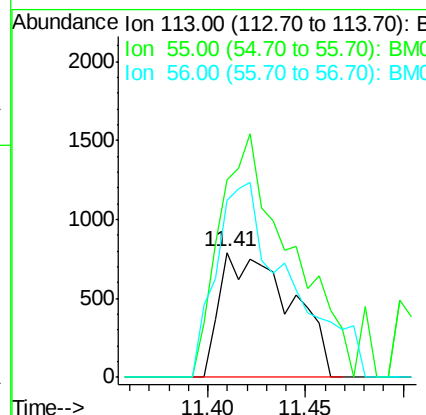
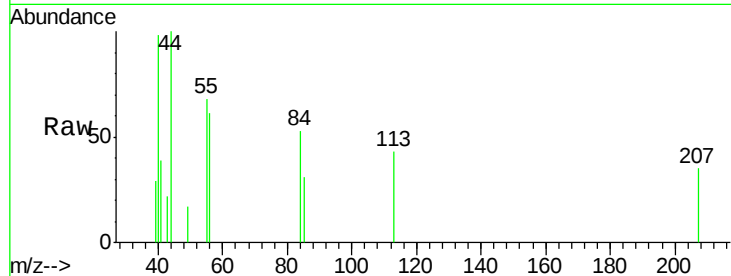




#35
 Caprolactam
 Concen: 0.455 ng
 RT: 11.41 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

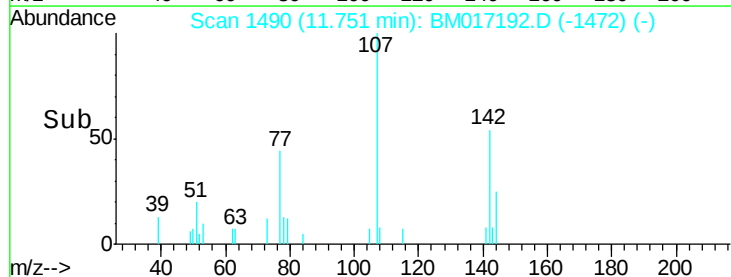
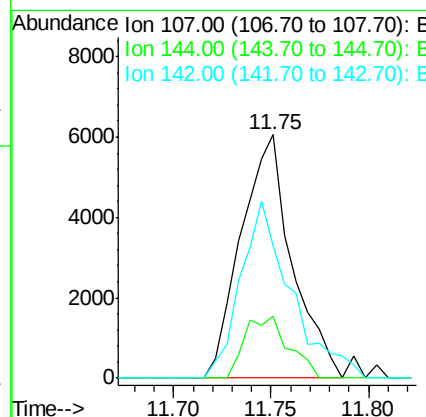
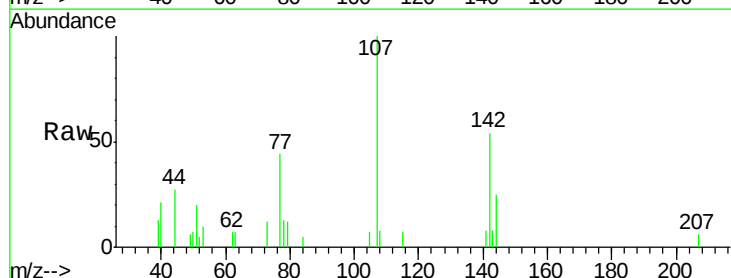
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

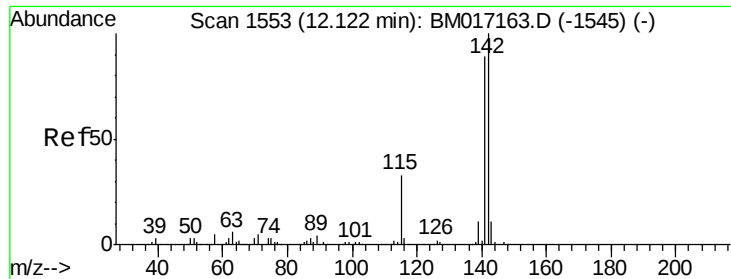
Tgt Ion:113 Resp: 1976
 Ion Ratio Lower Upper
 113 100
 55 158.0 147.0 187.0
 56 141.8 104.5 144.5



#36
 4-Chloro-3-methylphenol
 Concen: 0.814 ng
 RT: 11.75 min Scan# 1490
 Delta R.T. 0.01 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

Tgt Ion:107 Resp: 10947
 Ion Ratio Lower Upper
 107 100
 144 25.4 21.6 32.4
 142 54.3 66.0 99.0#

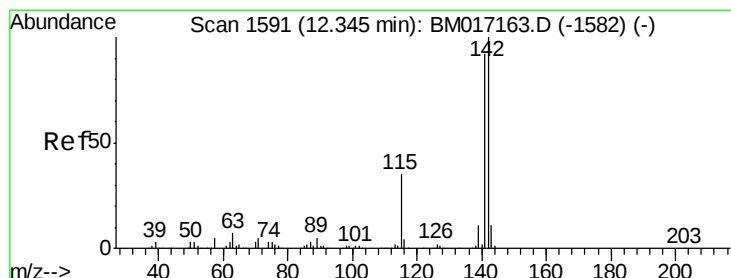
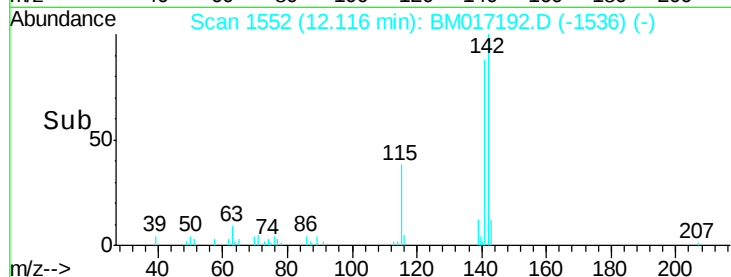
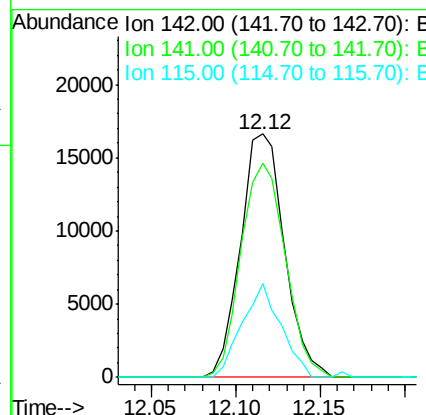
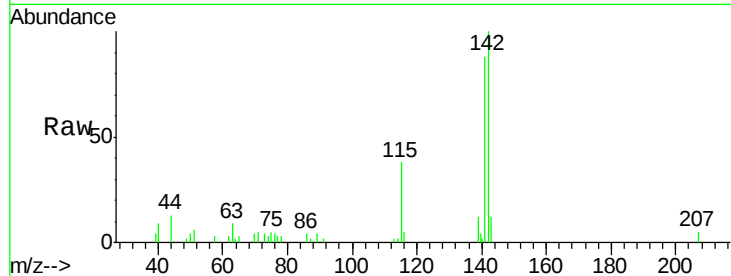




#37
2-Methylnaphthalene
Concen: 1.092 ng
RT: 12.12 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

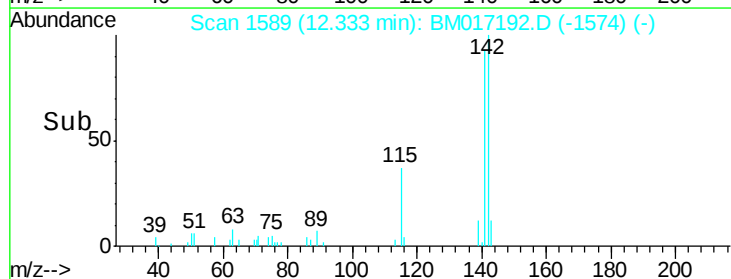
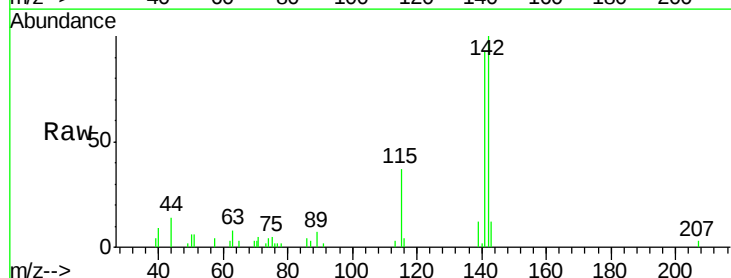
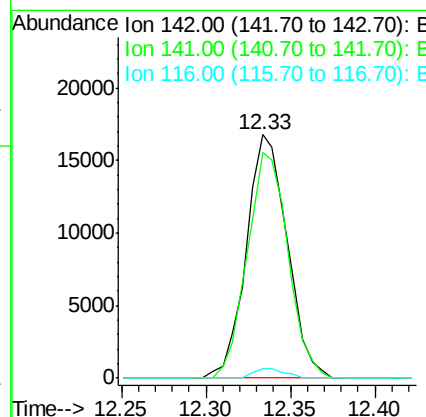
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

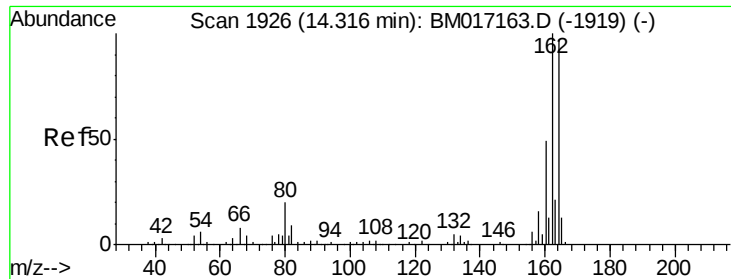
Tgt Ion:142 Resp: 30121
Ion Ratio Lower Upper
142 100
141 87.9 70.9 106.3
115 38.4 26.4 39.6



#38
1-Methylnaphthalene
Concen: 1.047 ng
RT: 12.33 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:142 Resp: 28111
Ion Ratio Lower Upper
142 100
141 92.7 73.8 110.6
116 3.7 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

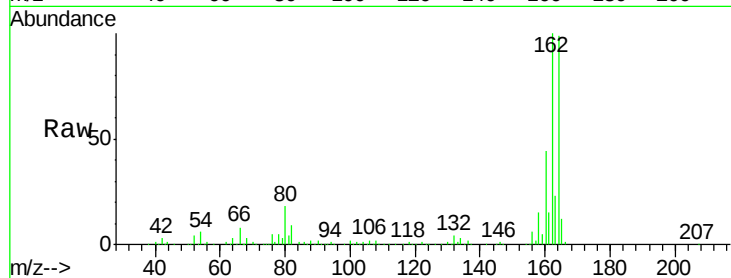
Tgt Ion:164 Resp: 472236

Ion Ratio Lower Upper

164 100

162 100.8 82.1 123.1

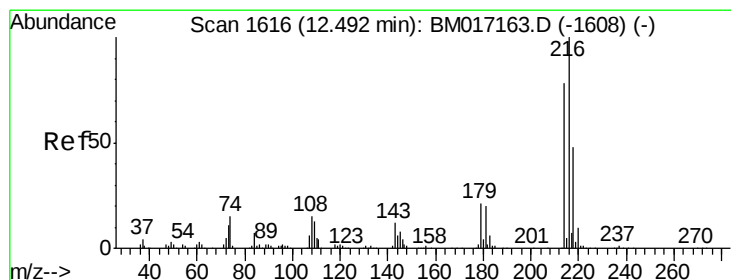
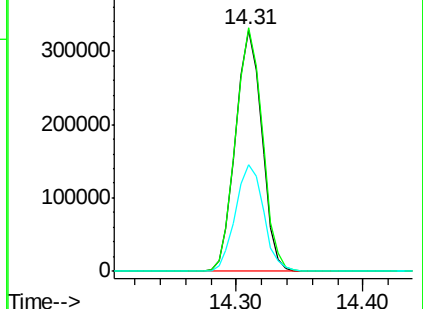
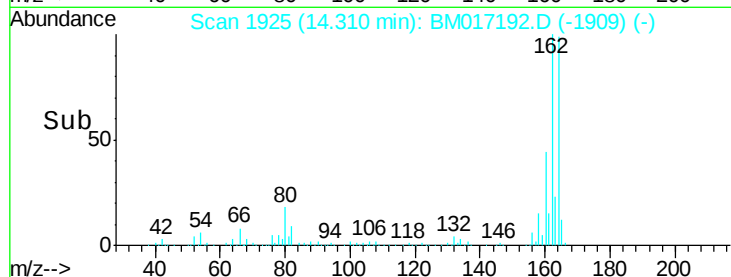
160 44.3 40.2 60.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 0.904 ng

RT: 12.49 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Tgt Ion:216 Resp: 15037

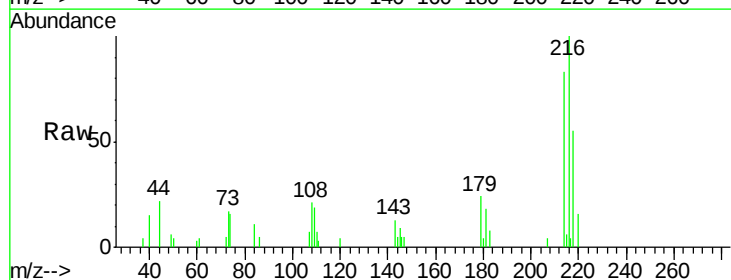
Ion Ratio Lower Upper

216 100

214 84.9 62.6 93.8

179 23.5 16.6 24.8

108 19.1 13.5 20.3

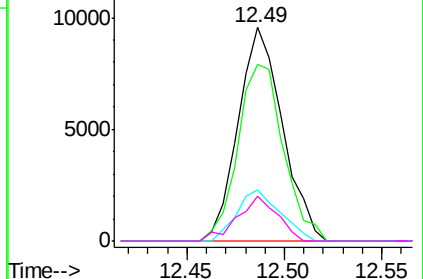
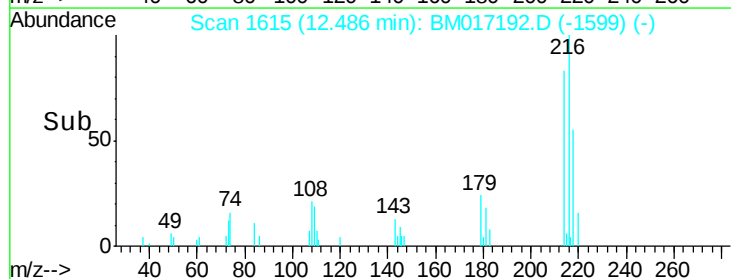


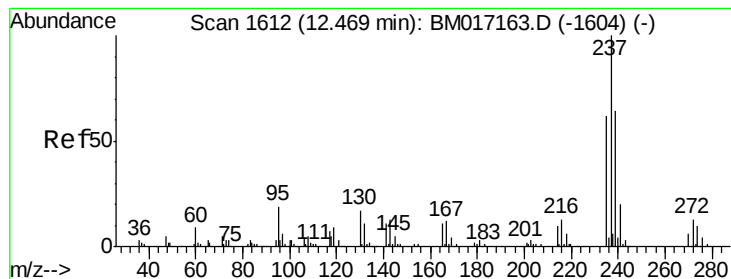
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 1.038 ng

RT: 12.46 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

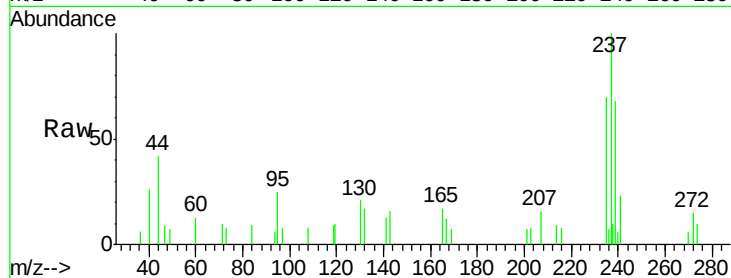
Tgt Ion:237 Resp: 8345

Ion Ratio Lower Upper

237 100

235 70.4 42.4 82.4

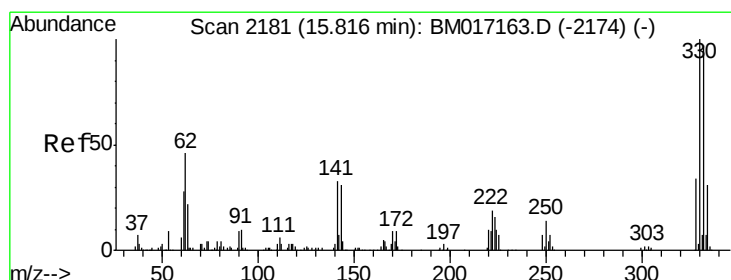
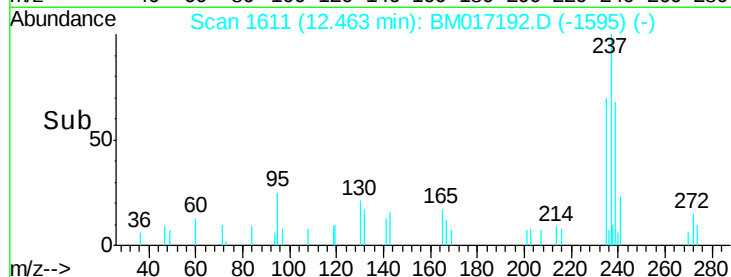
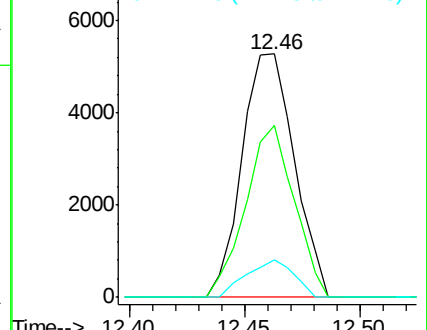
272 15.2 0.0 33.0



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



#42

2,4,6-Tribromophenol

Concen: 145.615 ng

RT: 15.80 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

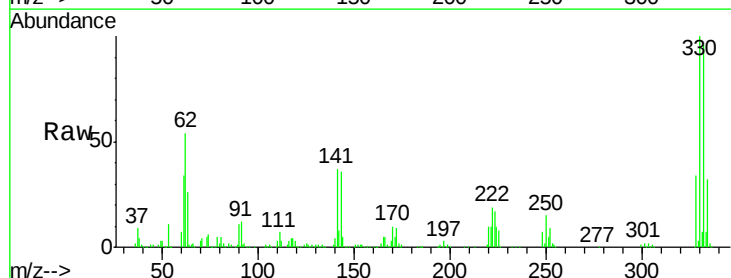
Tgt Ion:330 Resp: 929944

Ion Ratio Lower Upper

330 100

332 96.4 77.3 115.9

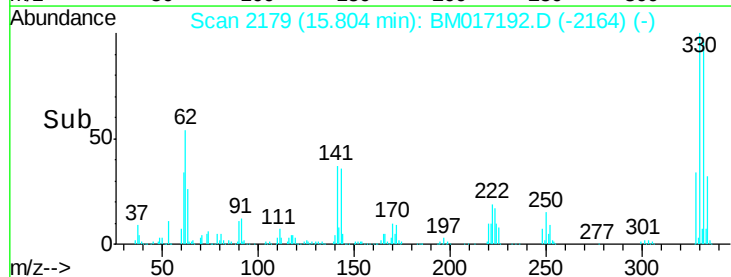
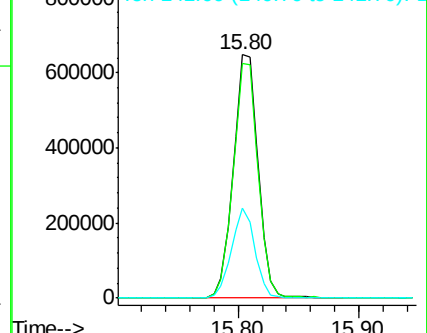
141 34.8 27.4 41.0

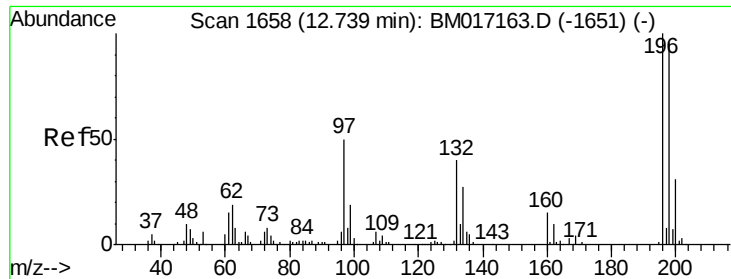


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

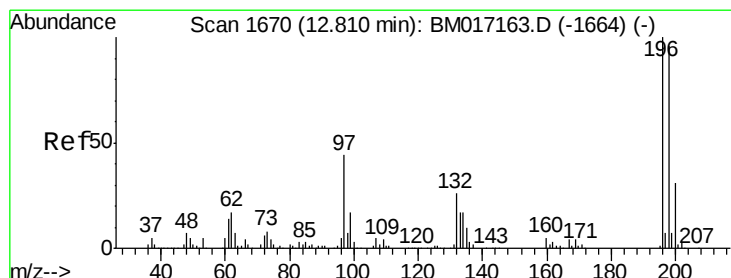
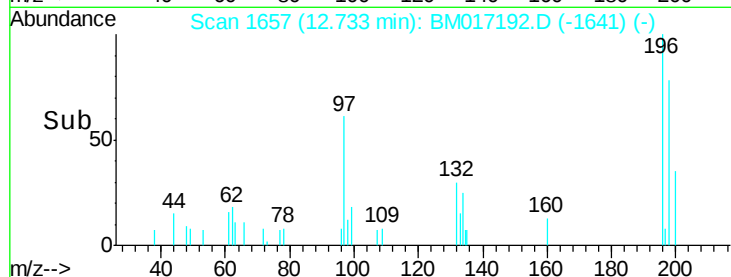
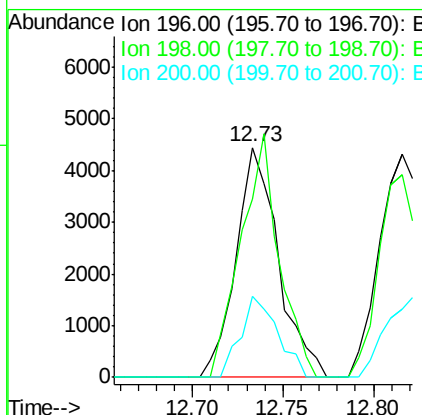
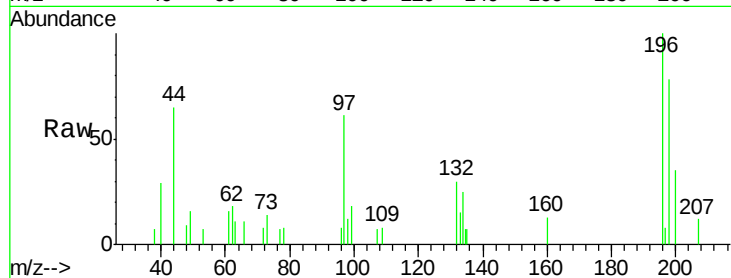




#43
 2,4,6-Trichlorophenol
 Concen: 0.753 ng
 RT: 12.73 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

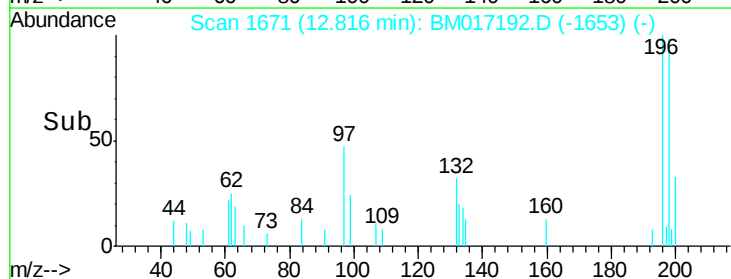
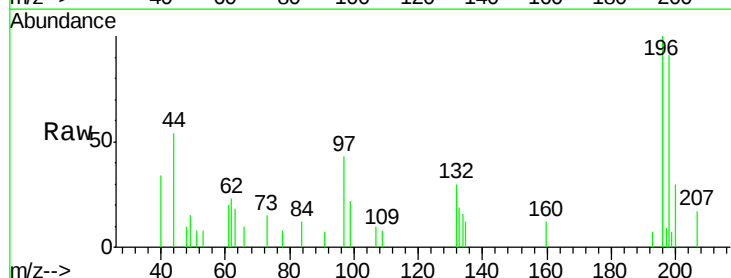
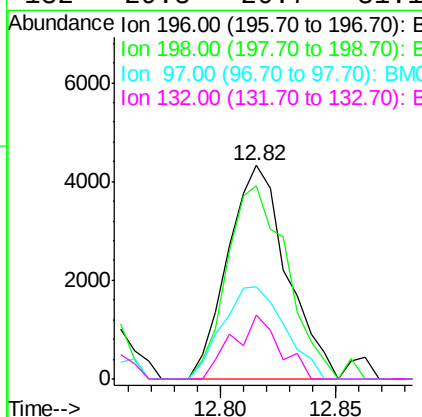
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

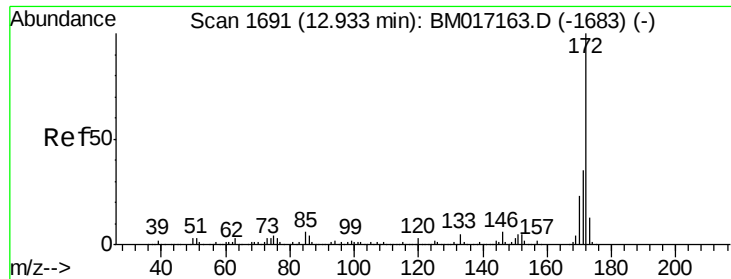
Tgt Ion:196 Resp: 7269
 Ion Ratio Lower Upper
 196 100
 198 77.9 77.1 115.7
 200 35.2 25.0 37.4



#44
 2,4,5-Trichlorophenol
 Concen: 0.745 ng
 RT: 12.82 min Scan# 1671
 Delta R.T. 0.01 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

Tgt Ion:196 Resp: 7714
 Ion Ratio Lower Upper
 196 100
 198 90.7 76.6 115.0
 97 43.3 35.5 53.3
 132 29.8 20.7 31.1

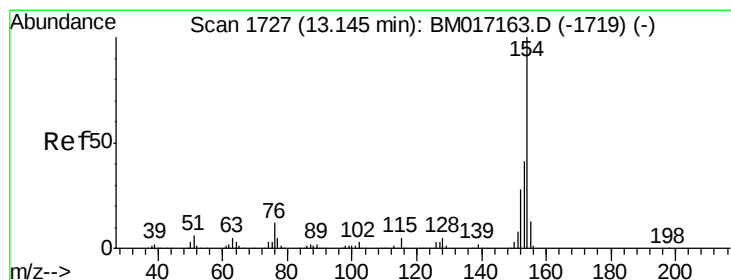
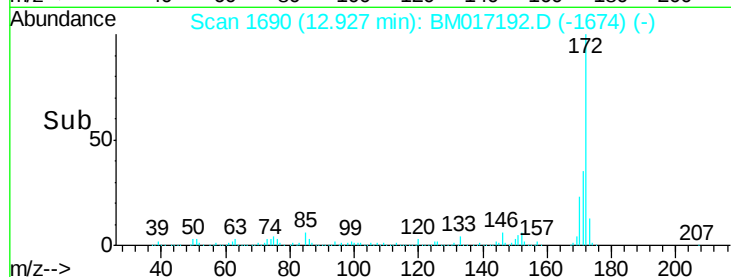
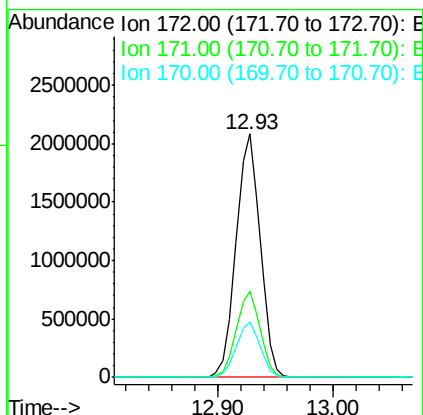
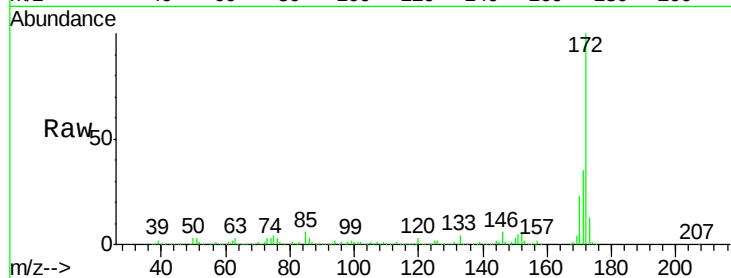




#45
2-Fluorobiphenyl
Concen: 84.800 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

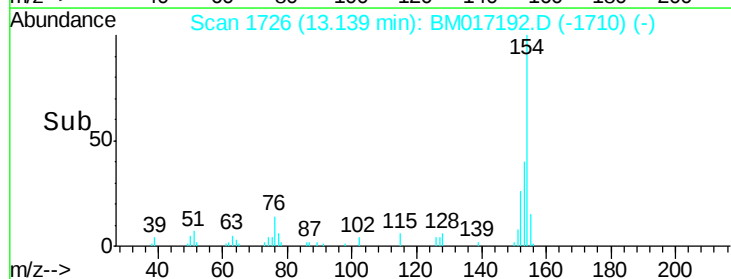
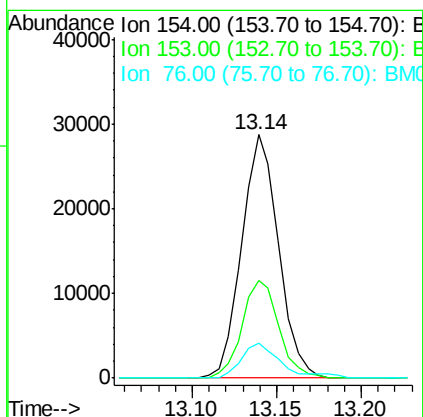
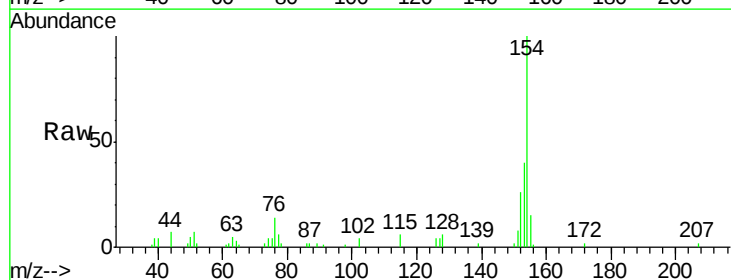
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

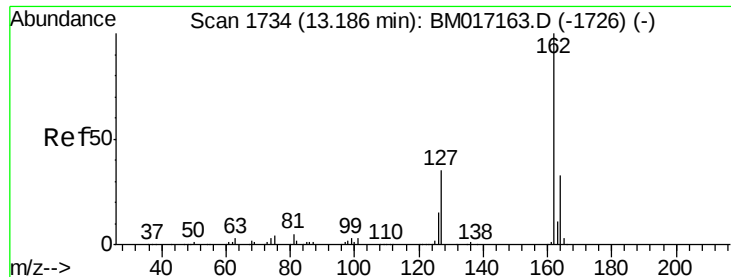
Tgt Ion:172 Resp: 3009711
Ion Ratio Lower Upper
172 100
171 35.3 28.3 42.5
170 22.9 18.3 27.5



#46
1,1'-Biphenyl
Concen: 1.026 ng
RT: 13.14 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:154 Resp: 43587
Ion Ratio Lower Upper
154 100
153 40.0 20.5 60.5
76 14.4 0.0 31.8

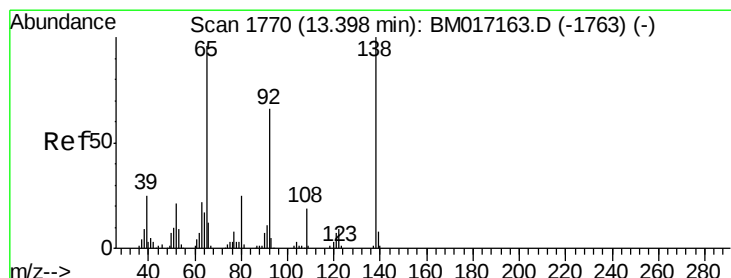
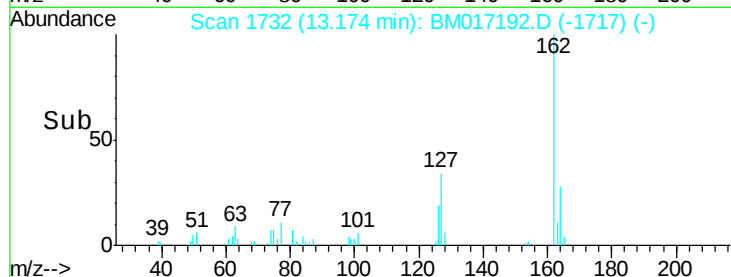
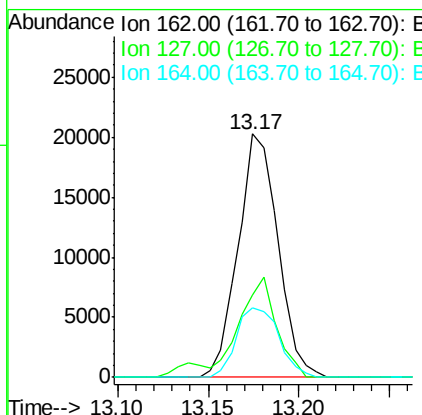
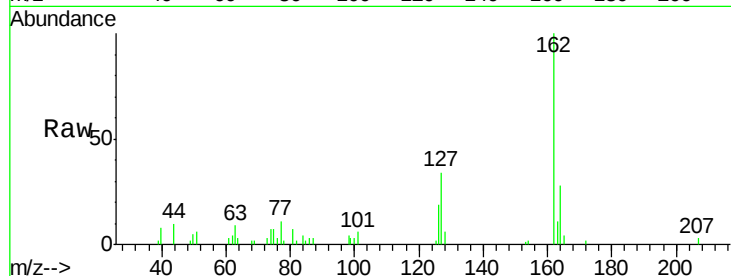




#47
2-Chloronaphthalene
Concen: 0.994 ng
RT: 13.17 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

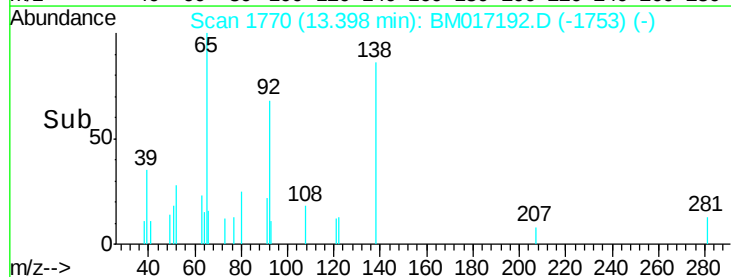
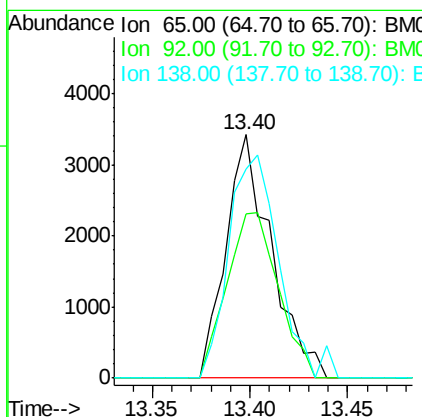
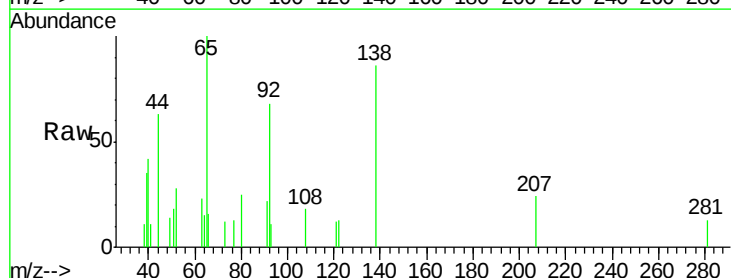
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

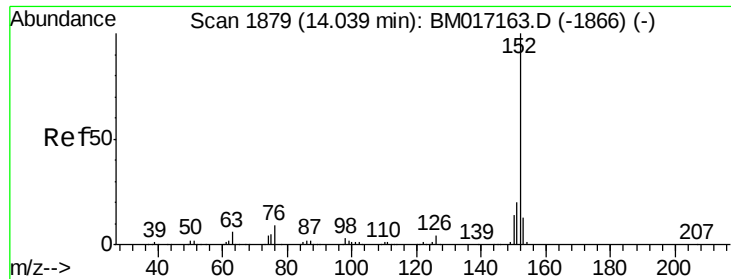
Tgt Ion: 162 Resp: 31068
Ion Ratio Lower Upper
162 100
127 33.6 31.0 46.4
164 28.5 26.6 39.8



#48
2-Nitroaniline
Concen: 6.238 ng
RT: 13.40 min Scan# 1770
Delta R.T. -0.00 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion: 65 Resp: 5517
Ion Ratio Lower Upper
65 100
92 67.6 54.9 82.3
138 85.7 83.7 125.5





#49

Acenaphthylene

Concen: 0.918 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

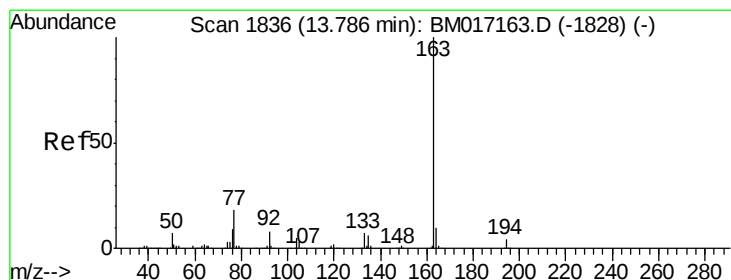
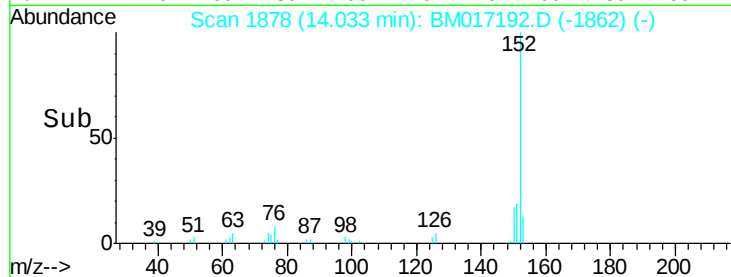
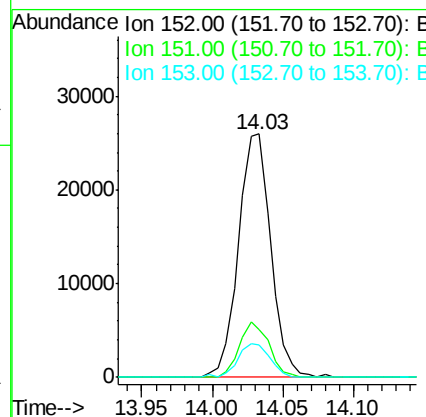
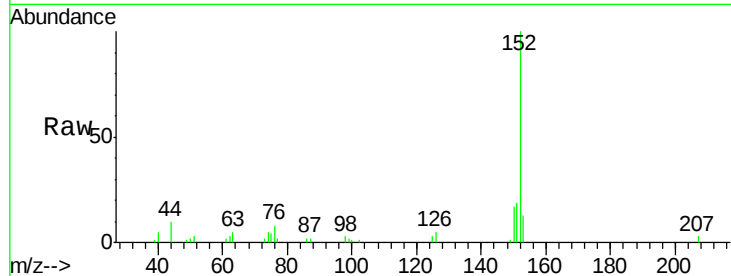
Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	152	Resp:	41607
Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.0	24.0
153	13.4	10.4	15.6



#50

Dimethylphthalate

Concen: 0.982 ng

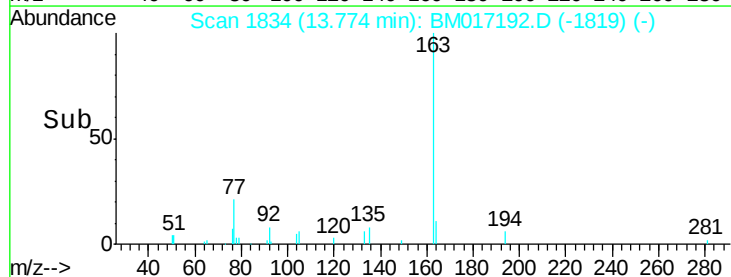
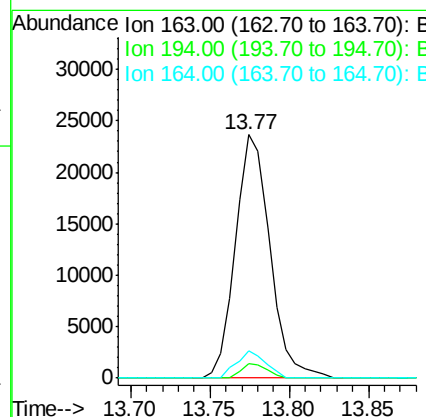
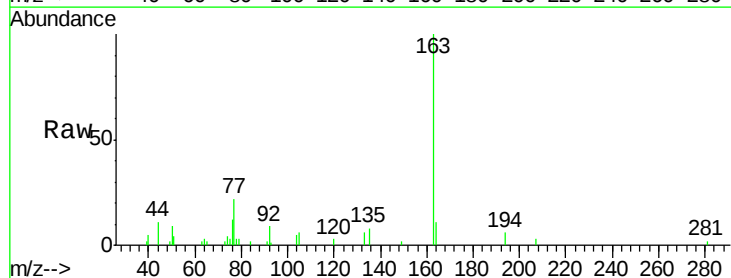
RT: 13.77 min Scan# 1834

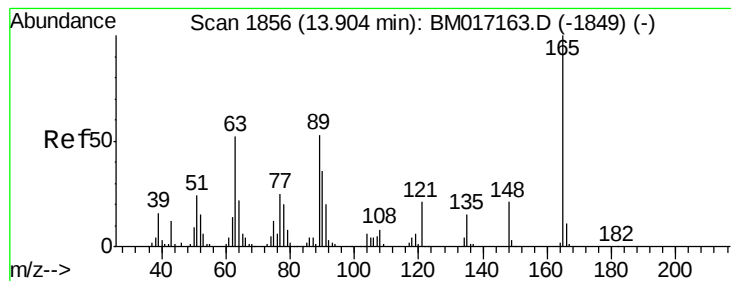
Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Tgt Ion:	163	Resp:	35779
Ion	Ratio	Lower	Upper
163	100		
194	5.7	3.3	4.9#
164	11.4	7.8	11.8





#51

2,6-Dinitrotoluene

Concen: 0.703 ng

RT: 13.89 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

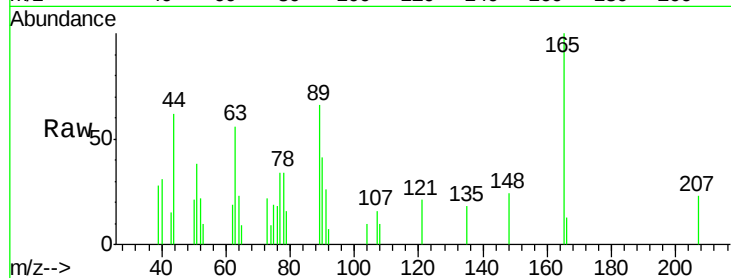
Tgt Ion:165 Resp: 5639

Ion Ratio Lower Upper

165 100

63 55.8 42.7 64.1

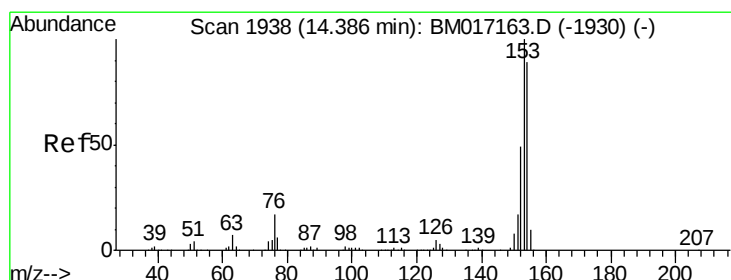
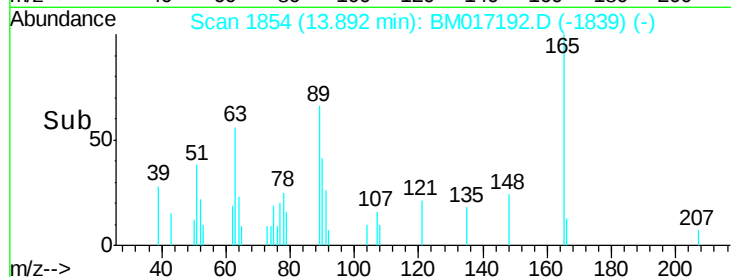
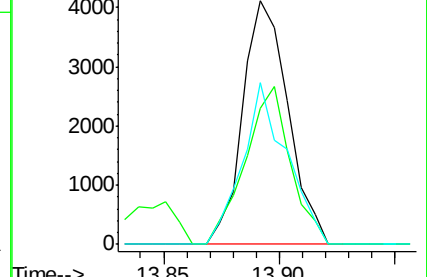
89 66.2 42.1 63.1#



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



#52

Acenaphthene

Concen: 1.016 ng

RT: 14.37 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

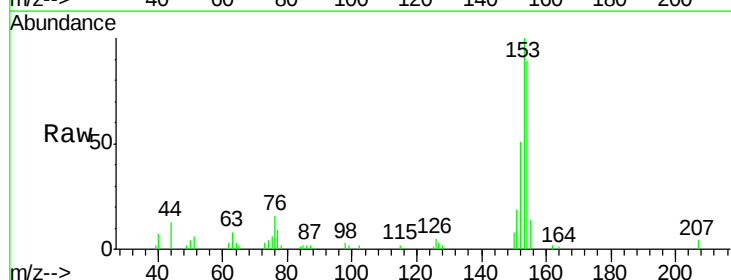
Tgt Ion:154 Resp: 28914

Ion Ratio Lower Upper

154 100

153 111.9 90.2 135.2

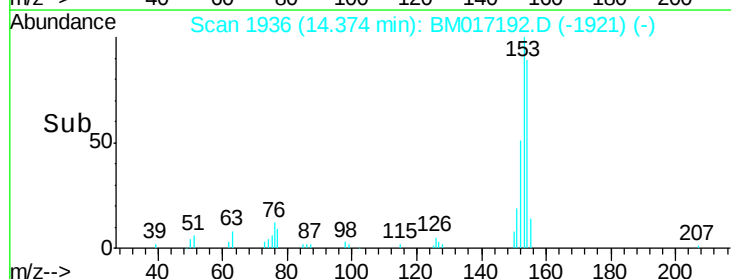
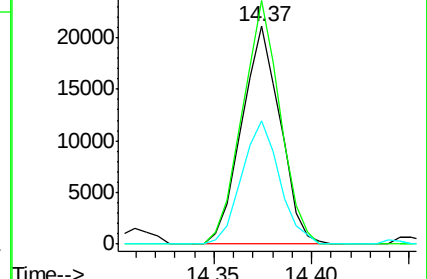
152 56.6 44.2 66.4

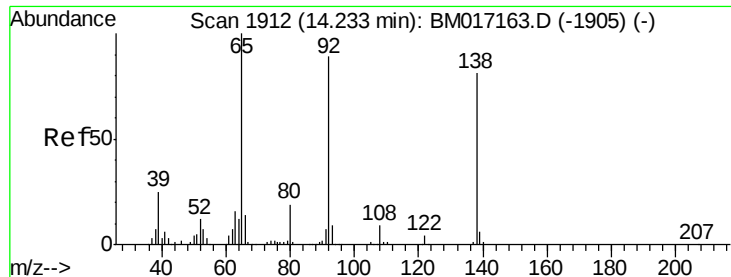


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

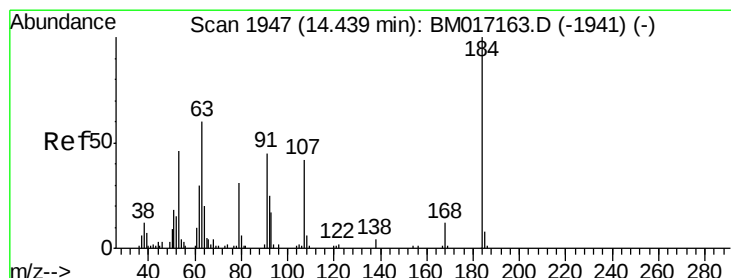
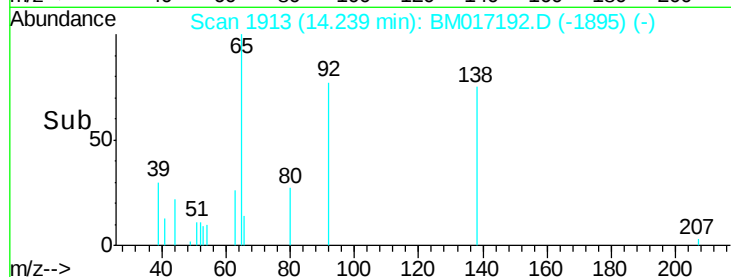
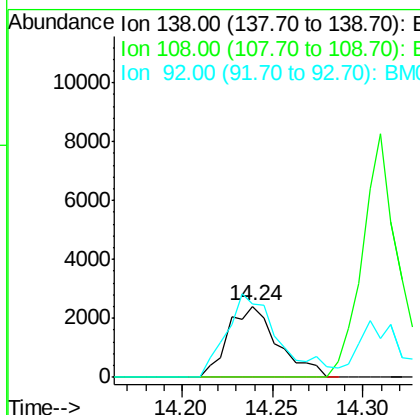
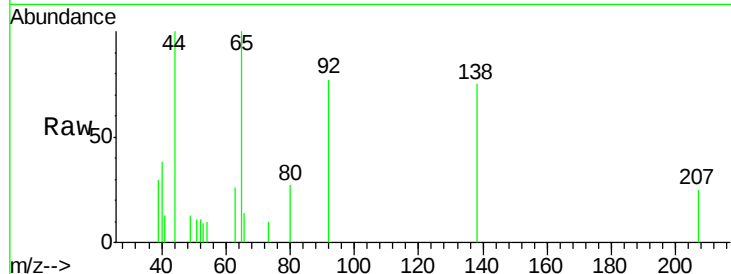




#53
3-Nitroaniline
Concen: 0.527 ng
RT: 14.24 min Scan# 1913
Delta R.T. 0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

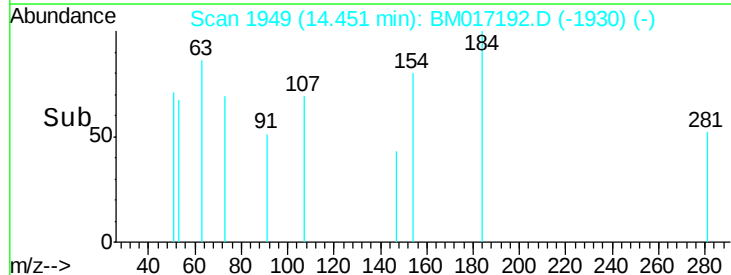
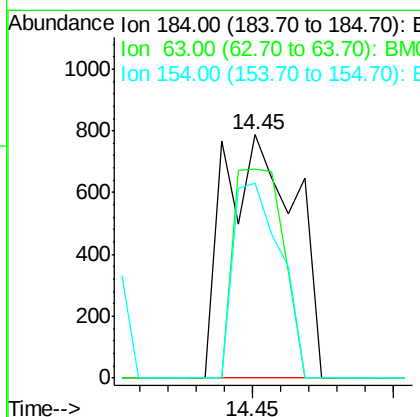
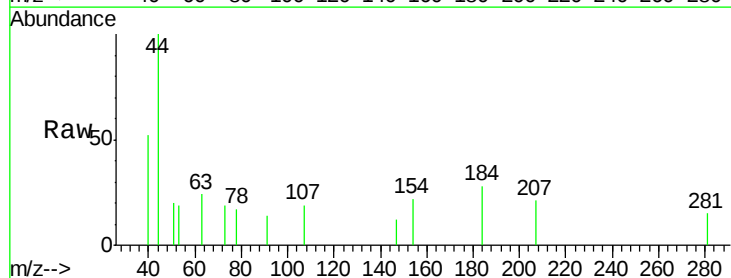
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

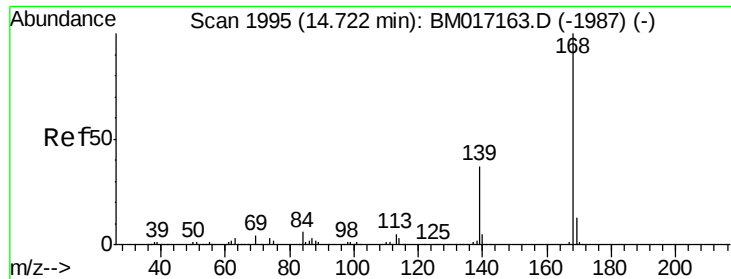
Tgt Ion:138 Resp: 4580
Ion Ratio Lower Upper
138 100
108 0.0 8.7 13.1#
92 102.6 87.9 131.9



#54
2,4-Dinitrophenol
Concen: 8.487 ng
RT: 14.45 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:184 Resp: 1369
Ion Ratio Lower Upper
184 100
63 85.9 51.2 76.8#
154 79.9 47.8 71.8#

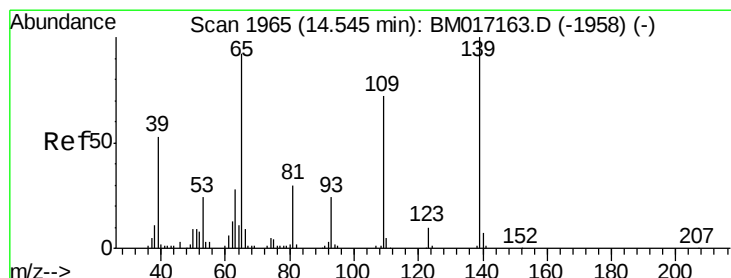
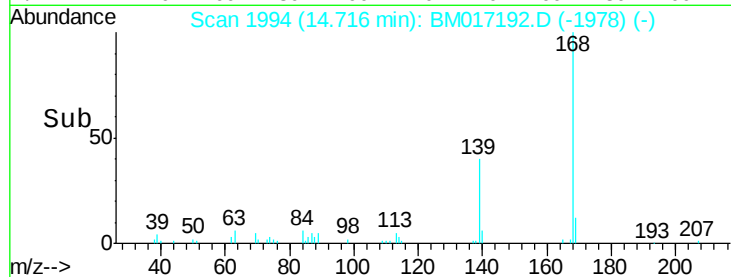
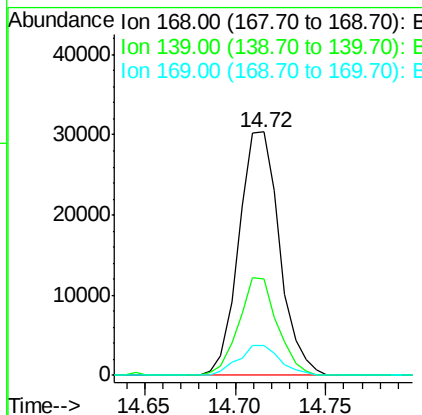
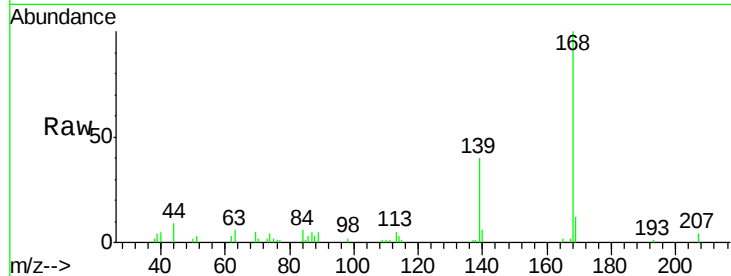




#55
Dibenzenofuran
Concen: 0.998 ng
RT: 14.72 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

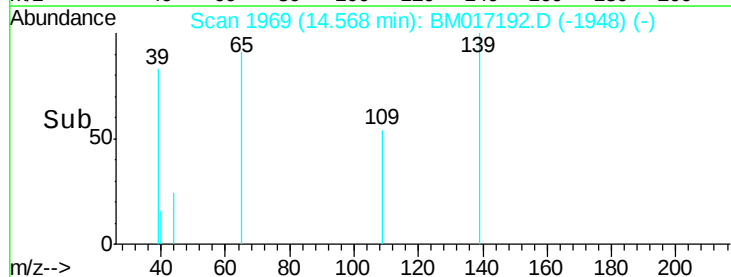
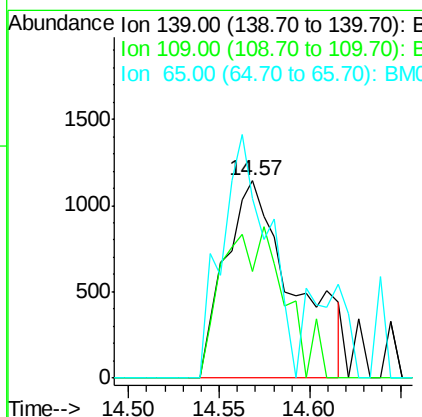
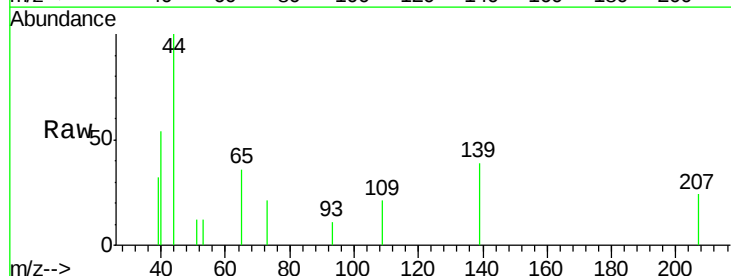
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

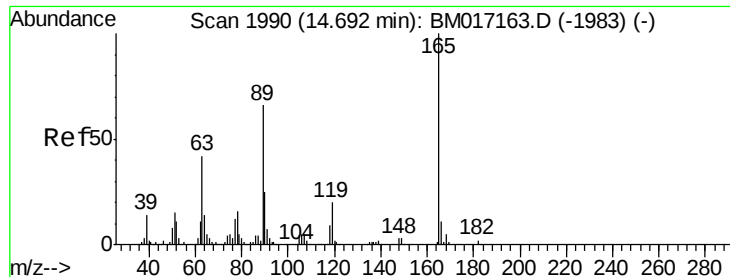
Tgt Ion:168 Resp: 47237
Ion Ratio Lower Upper
168 100
139 39.8 29.3 43.9
169 12.3 10.6 15.8



#56
4-Nitrophenol
Concen: 5.074 ng
RT: 14.57 min Scan# 1969
Delta R.T. 0.02 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:139 Resp: 3003
Ion Ratio Lower Upper
139 100
109 54.0 51.8 91.8
65 91.2 72.1 112.1

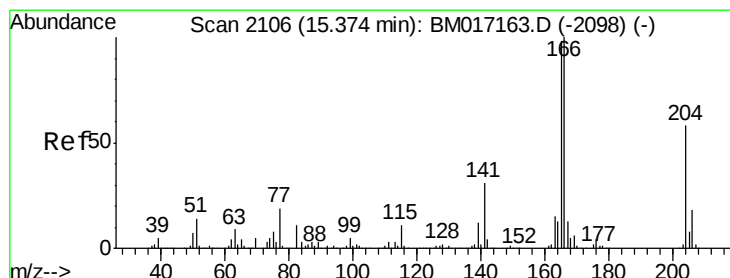
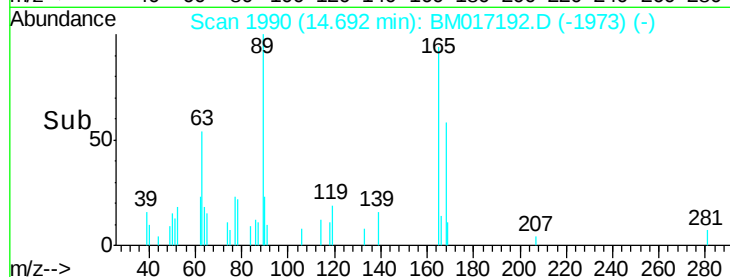
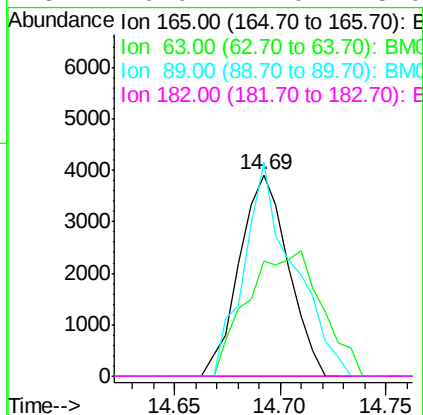
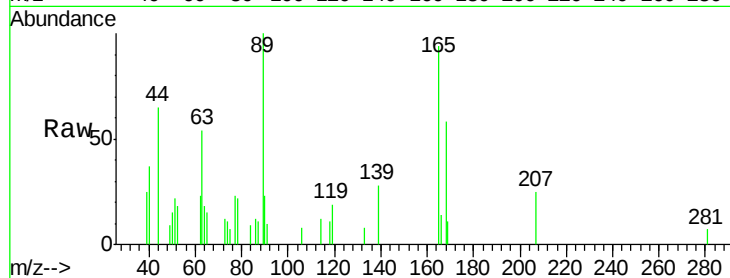




#57
2,4-Dinitrotoluene
Concen: 0.582 ng
RT: 14.69 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

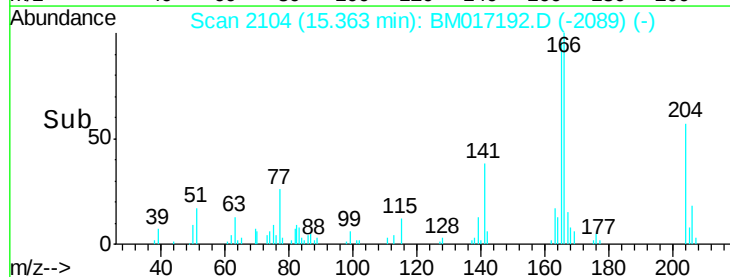
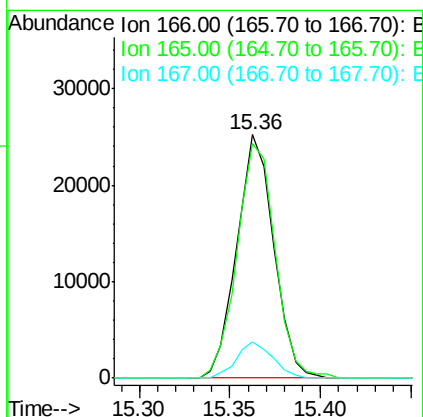
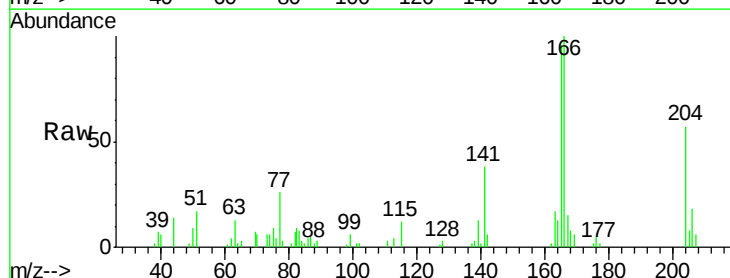
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

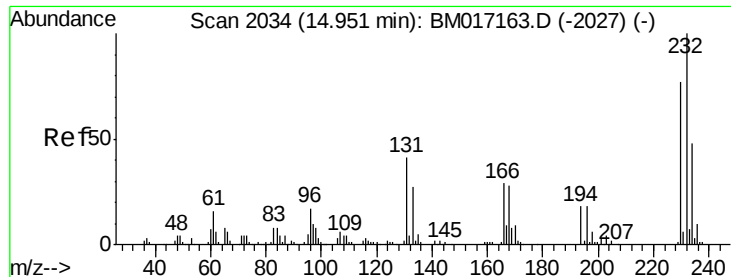
Tgt Ion:165 Resp: 6273
Ion Ratio Lower Upper
165 100
63 57.0 33.8 50.8#
89 106.0 53.1 79.7#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 1.022 ng
RT: 15.36 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:166 Resp: 35787
Ion Ratio Lower Upper
166 100
165 96.5 78.1 117.1
167 14.8 10.6 16.0

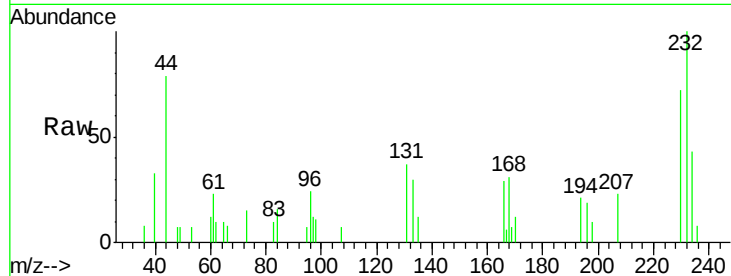




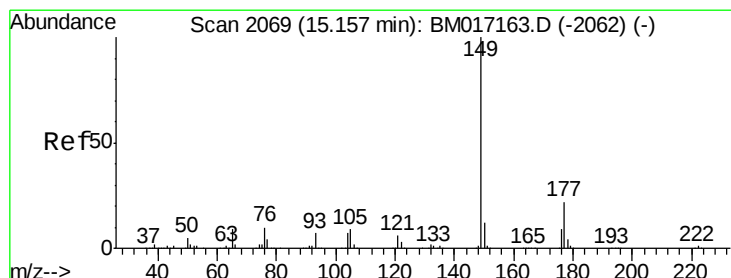
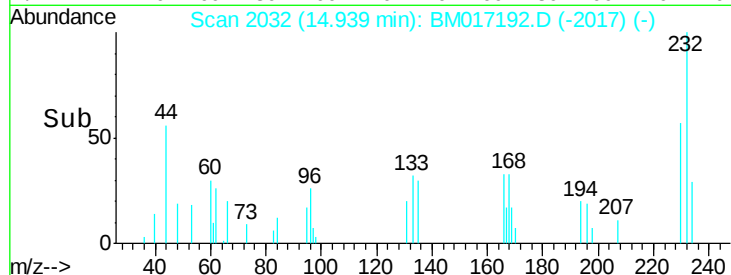
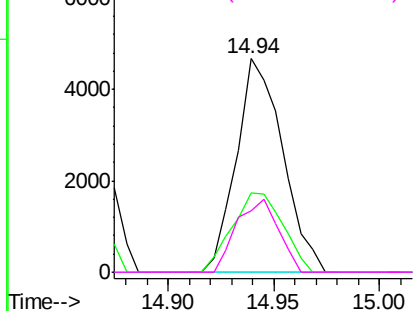
#59
2,3,4,6-Tetrachlorophenol
Concen: 0.754 ng
RT: 14.94 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 232 Resp: 7112
Ion Ratio Lower Upper
232 100
131 40.8 33.1 49.7
130 0.0 1.7 2.5#
166 30.6 24.4 36.6

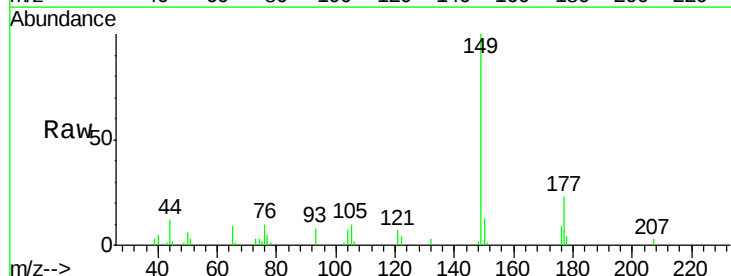


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

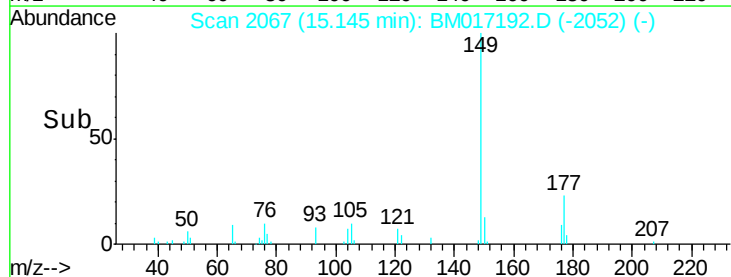
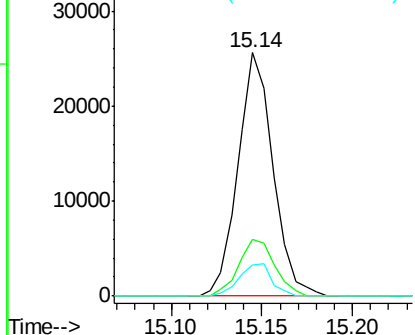


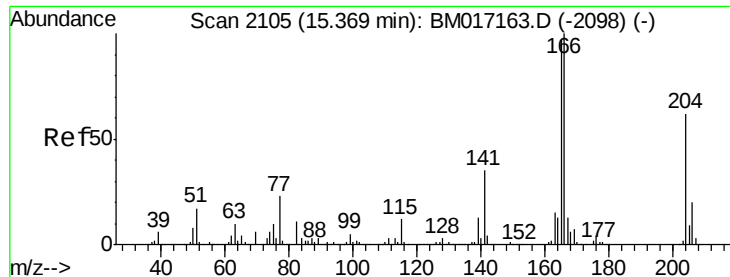
#60
Diethylphthalate
Concen: 0.954 ng
RT: 15.14 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion: 149 Resp: 34469
Ion Ratio Lower Upper
149 100
177 23.2 17.7 26.5
150 12.7 10.0 15.0



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

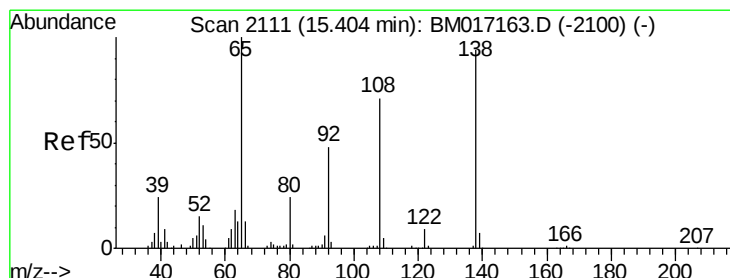
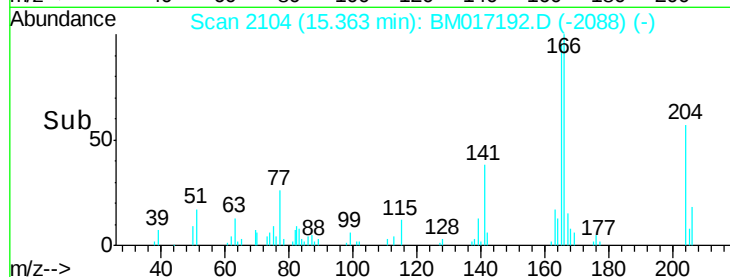
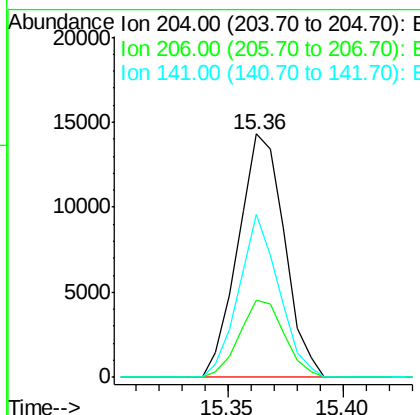
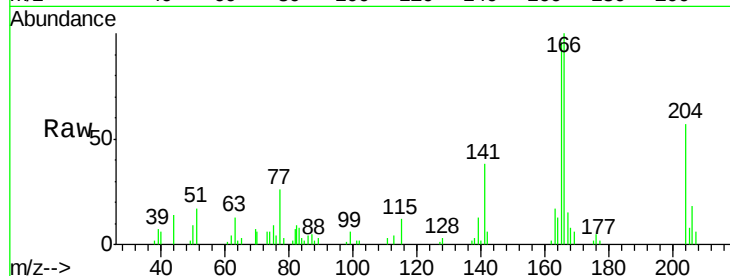




#61
 4-Chlorophenyl-phenylether
 Concen: 1.003 ng
 RT: 15.36 min Scan# 2104
 Delta R.T. -0.01 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

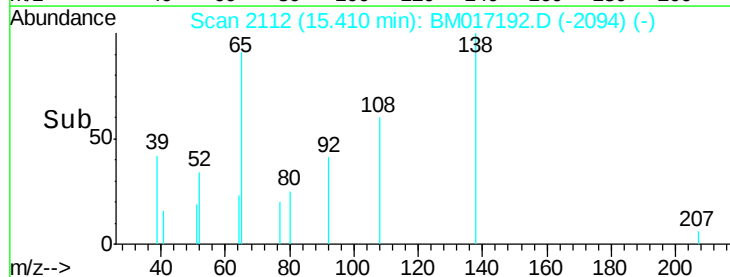
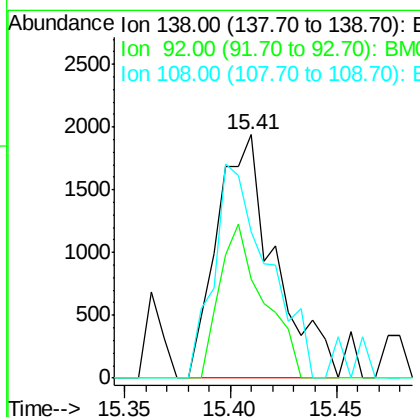
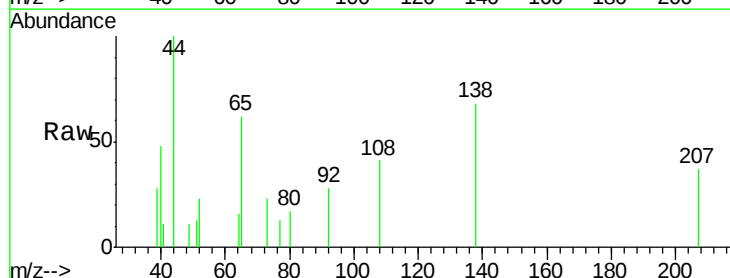
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

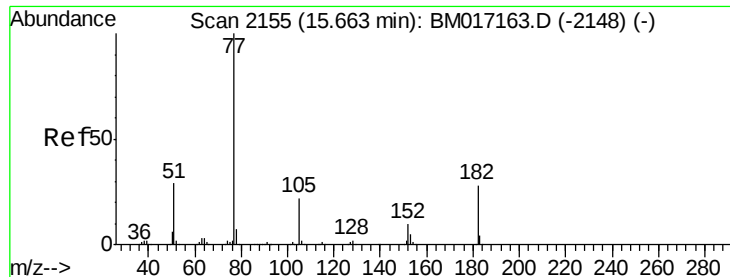
Tgt Ion:204 Resp: 20022
 Ion Ratio Lower Upper
 204 100
 206 31.6 26.1 39.1
 141 67.0 45.4 68.2



#62
 4-Nitroaniline
 Concen: 5.097 ng
 RT: 15.41 min Scan# 2112
 Delta R.T. 0.01 min
 Lab File: BM017192.D
 Acq: 18 Oct 2018 14:37

Tgt Ion:138 Resp: 3678
 Ion Ratio Lower Upper
 138 100
 92 40.6 31.2 71.2
 108 60.3 55.5 95.5

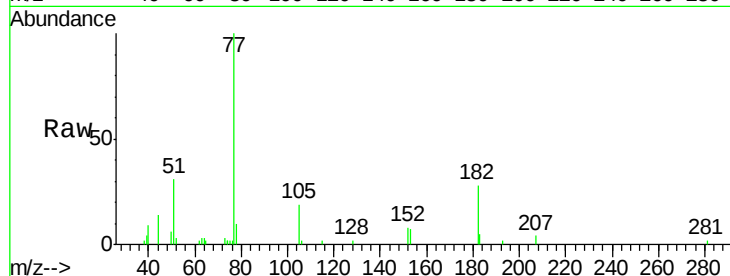




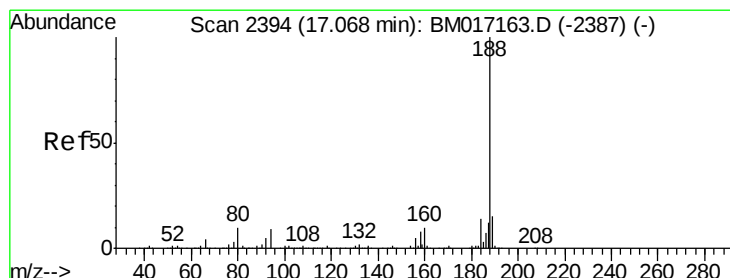
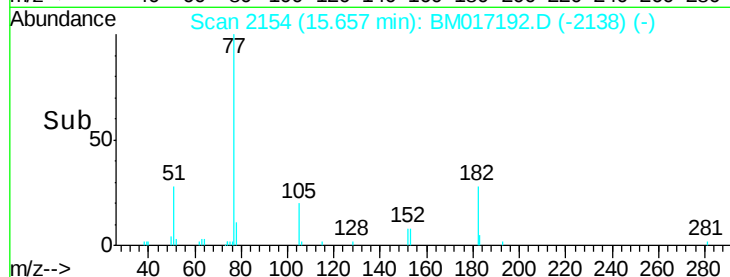
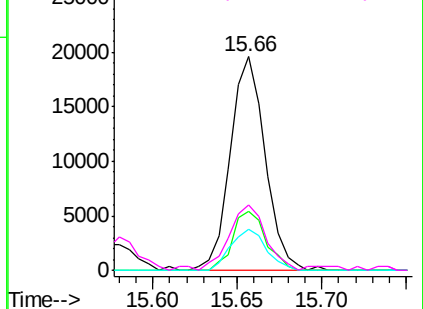
#63
Azobenzene
Concen: 0.800 ng
RT: 15.66 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 77 Resp: 28097
Ion Ratio Lower Upper
77 100
182 27.6 8.3 48.3
105 19.1 1.5 41.5
51 30.5 8.8 48.8

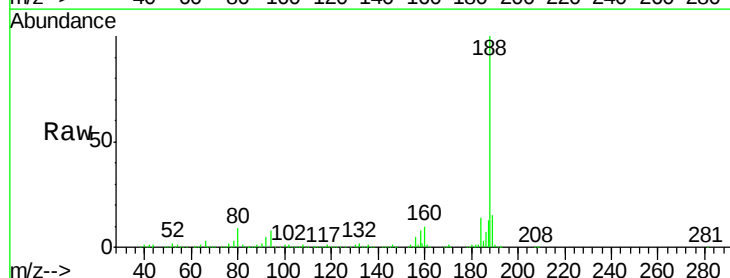


Abundance Ion 77.00 (76.70 to 77.70): BM017192.D (-2138) (-)
Ion 182.00 (181.70 to 182.70): BM017192.D (-2138) (-)
Ion 105.00 (104.70 to 105.70): BM017192.D (-2138) (-)
Ion 51.00 (50.70 to 51.70): BM017192.D (-2138) (-)

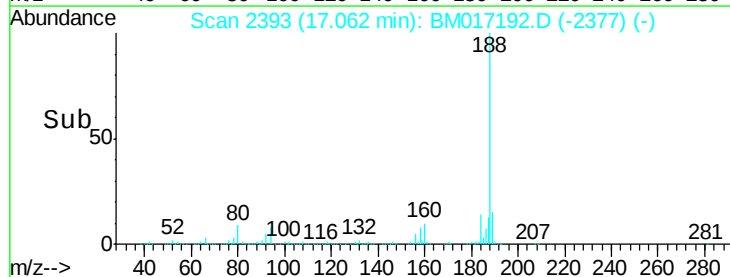
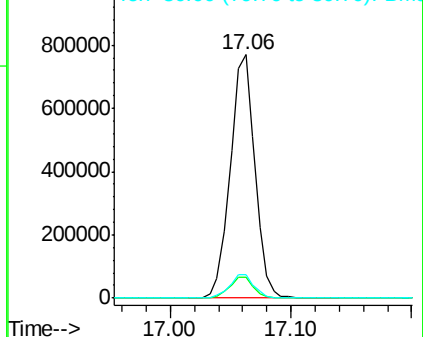


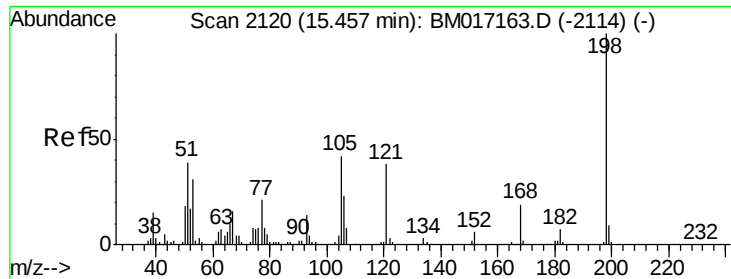
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion: 188 Resp: 1094501
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 9.4 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): BM017192.D (-2377) (-)
Ion 94.00 (93.70 to 94.70): BM017192.D (-2377) (-)
Ion 80.00 (79.70 to 80.70): BM017192.D (-2377) (-)

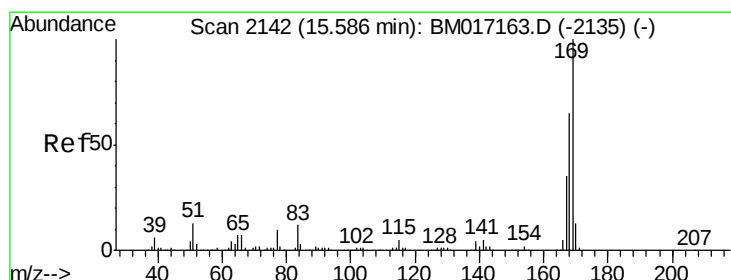
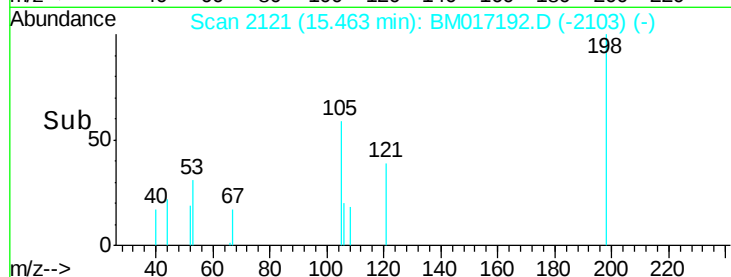
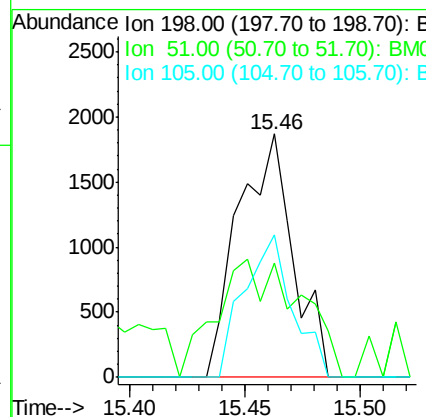
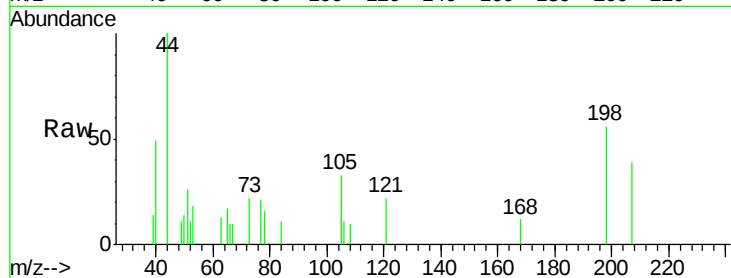




#65
4,6-Dinitro-2-methylphenol
Concen: 7.378 ng
RT: 15.46 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

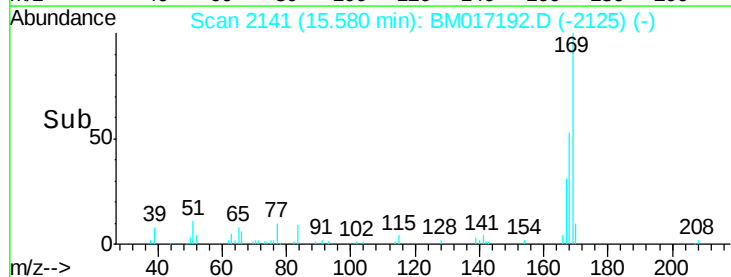
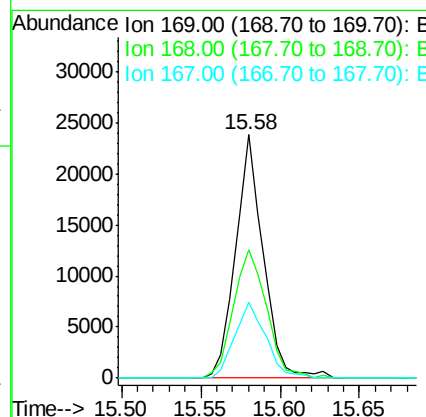
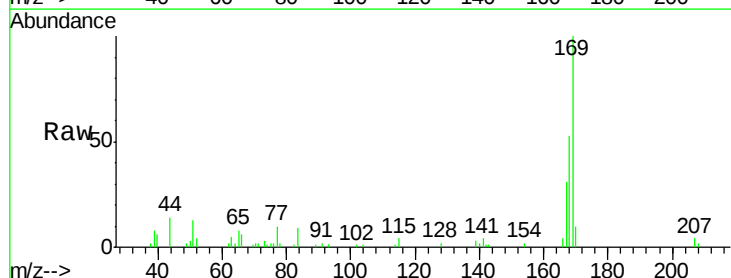
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

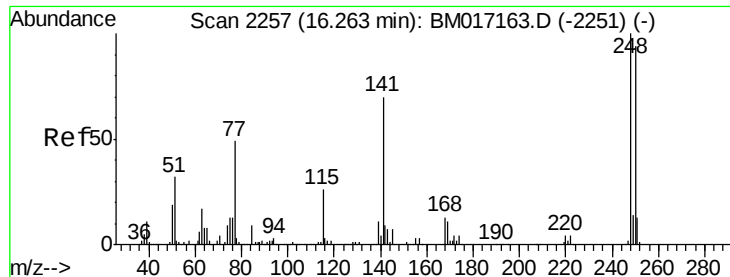
Tgt Ion:198 Resp: 3091
Ion Ratio Lower Upper
198 100
51 46.7 20.3 60.3
105 58.6 21.9 61.9



#66
n-Nitrosodiphenylamine
Concen: 0.870 ng
RT: 15.58 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:169 Resp: 28821
Ion Ratio Lower Upper
169 100
168 52.5 52.2 78.4
167 31.1 28.4 42.6

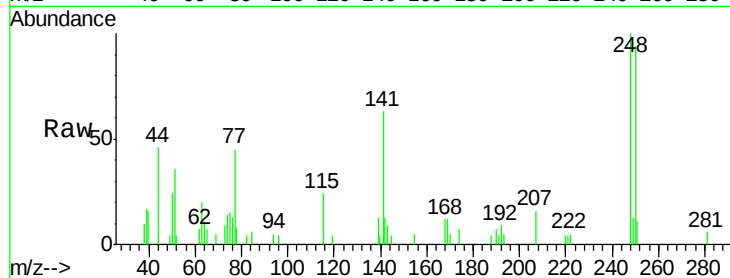




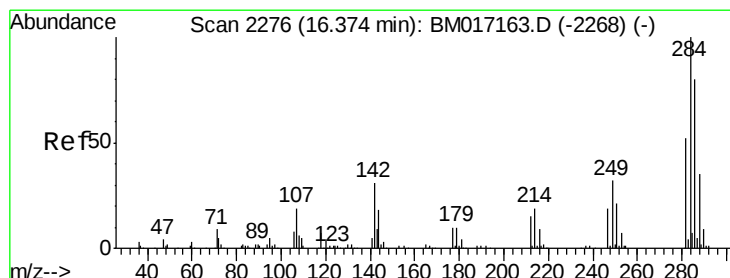
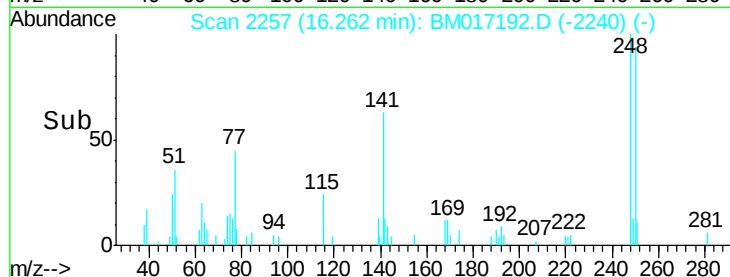
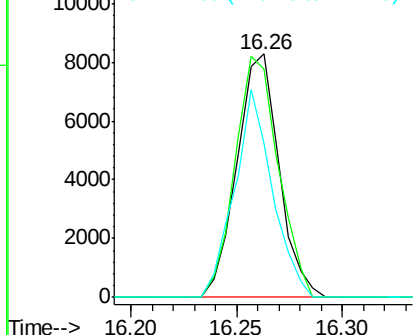
#67
4-Bromophenyl-phenylether
Concen: 0.953 ng
RT: 16.26 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:248 Resp: 11451
Ion Ratio Lower Upper
248 100
250 93.6 75.1 112.7
141 63.3 55.6 83.4

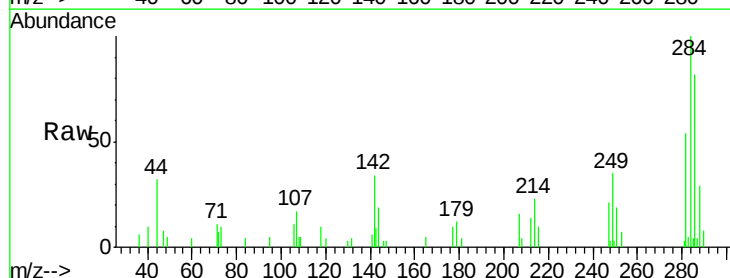


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

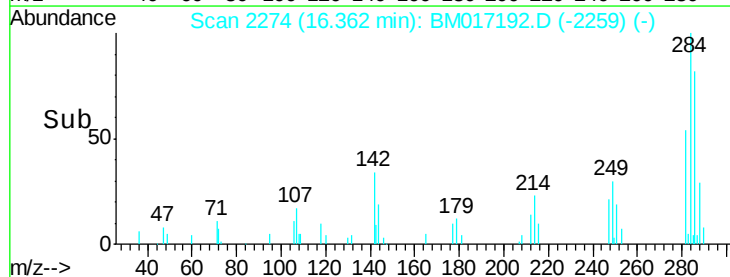
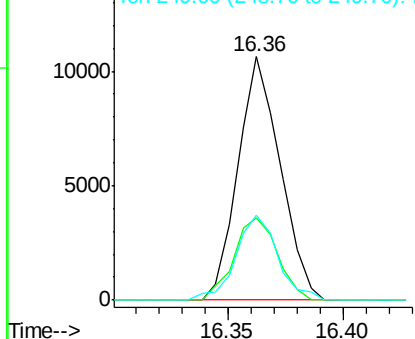


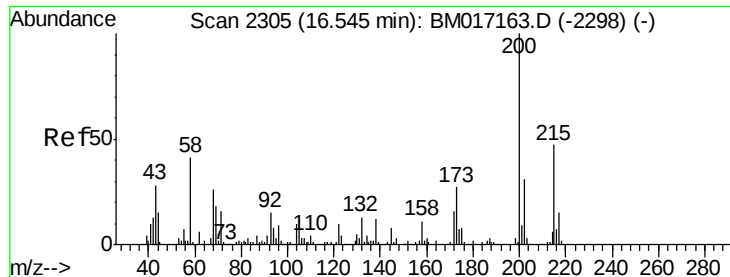
#68
Hexachlorobenzene
Concen: 0.972 ng
RT: 16.36 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:284 Resp: 13570
Ion Ratio Lower Upper
284 100
142 43.0 25.0 37.6#
249 37.9 25.5 38.3



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





#69

Atrazine

Concen: 0.744 ng

RT: 16.54 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

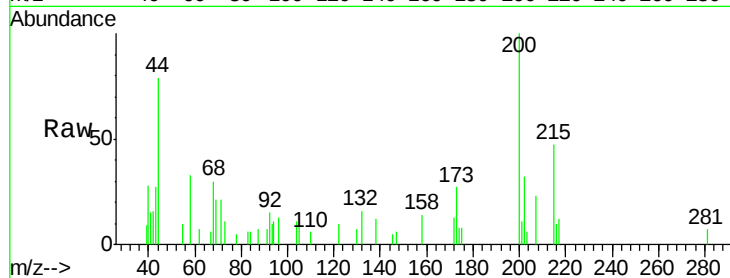
Tgt Ion:200 Resp: 8813

Ion Ratio Lower Upper

200 100

173 26.7 7.0 47.0

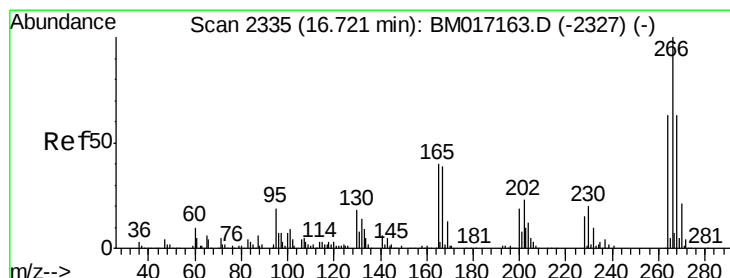
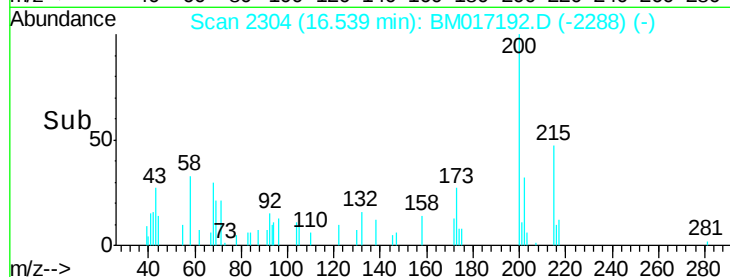
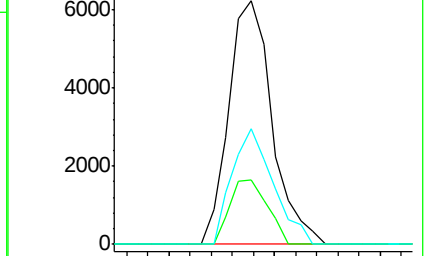
215 47.5 27.3 67.3



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

Pentachlorophenol

Concen: 0.531 ng

RT: 16.72 min Scan# 2334

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

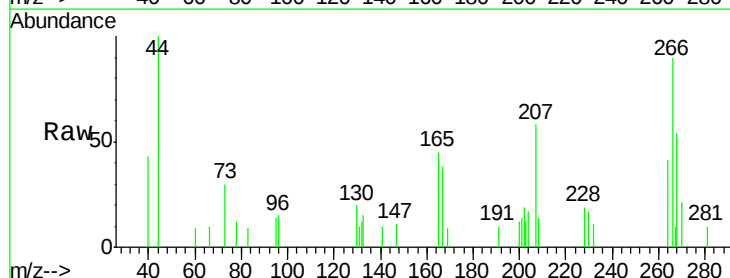
Tgt Ion:266 Resp: 5082

Ion Ratio Lower Upper

266 100

268 60.2 50.7 76.1

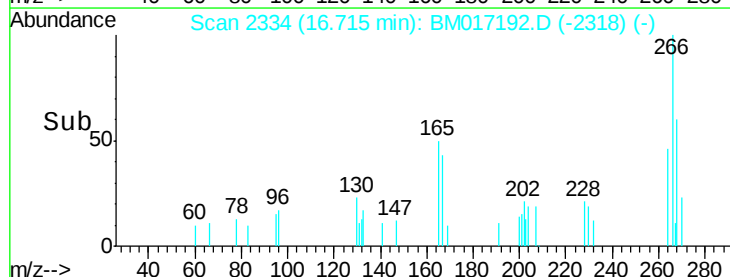
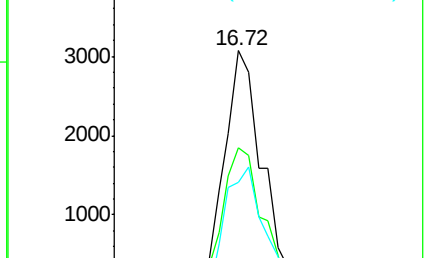
264 45.9 50.4 75.6#

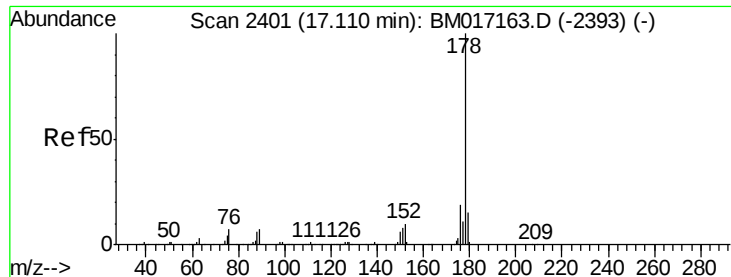


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

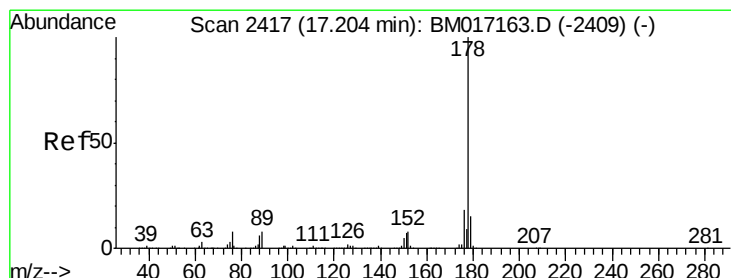
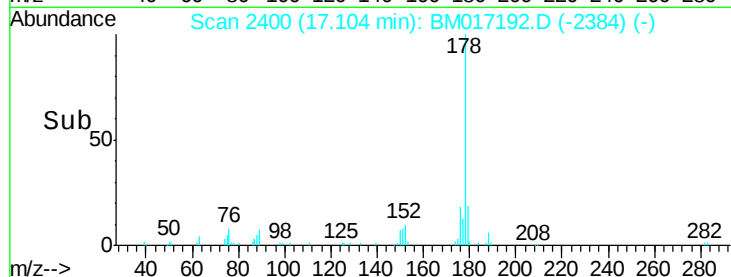
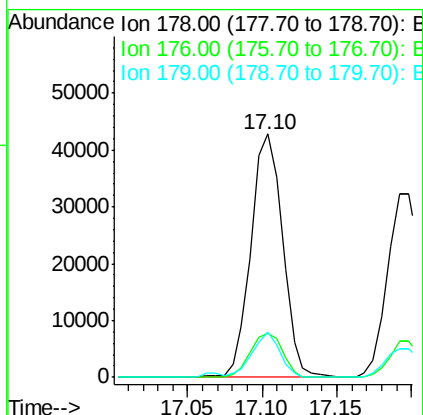
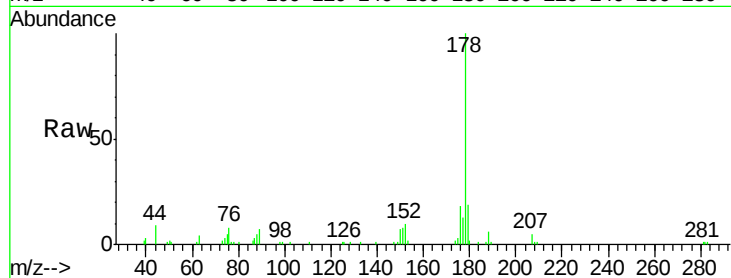




#71
Phenanthrene
Concen: 1.065 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

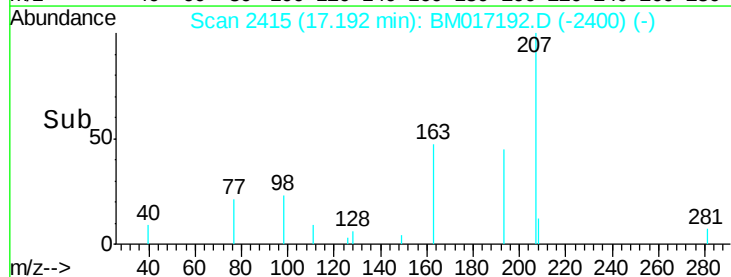
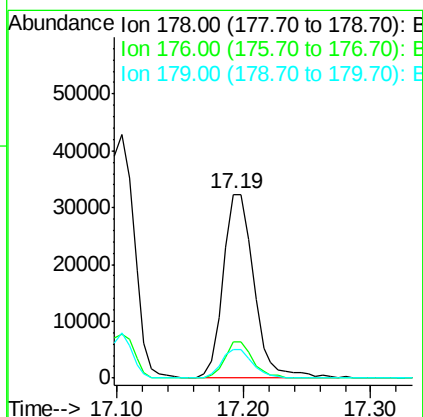
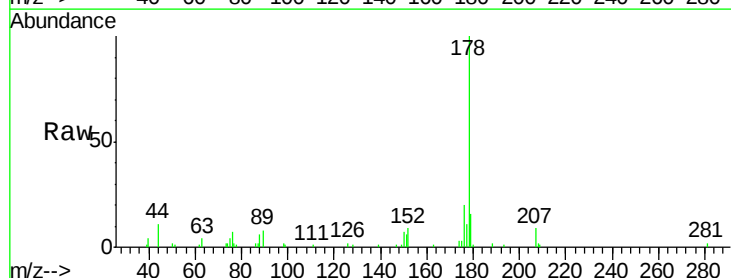
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

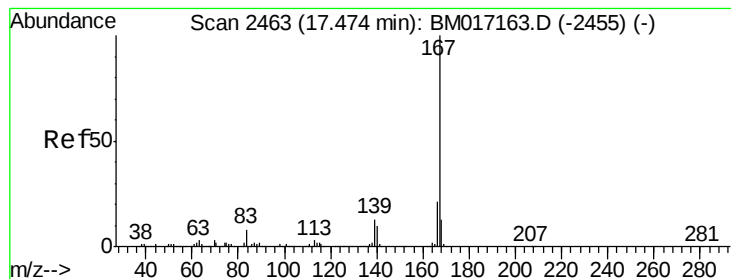
Tgt Ion:178 Resp: 62918
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 18.8 12.3 18.5#



#72
Anthracene
Concen: 0.974 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:178 Resp: 54656
Ion Ratio Lower Upper
178 100
176 19.8 14.5 21.7
179 15.6 12.2 18.2





#73

Carbazole

Concen: 0.794 ng

RT: 17.47 min Scan# 2463

Delta R.T. -0.00 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

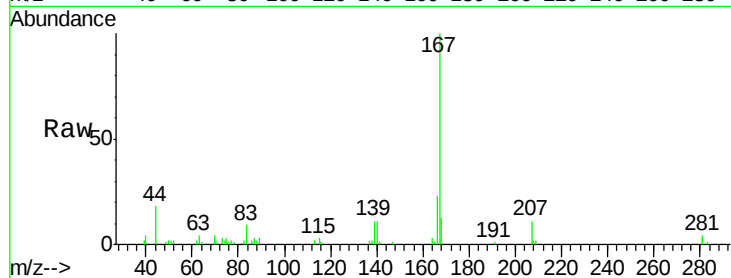
Tgt Ion:167 Resp: 45534

Ion Ratio Lower Upper

167 100

166 23.0 17.1 25.7

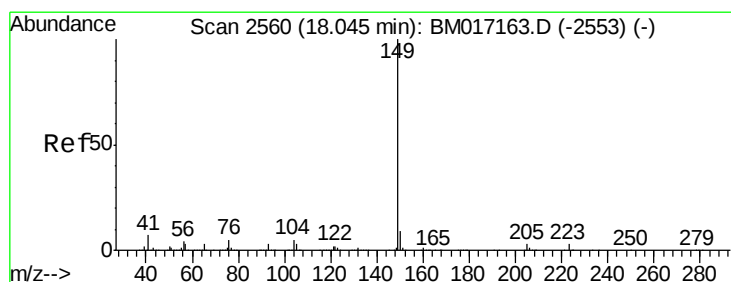
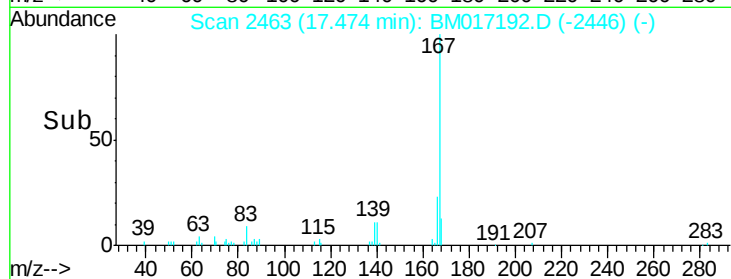
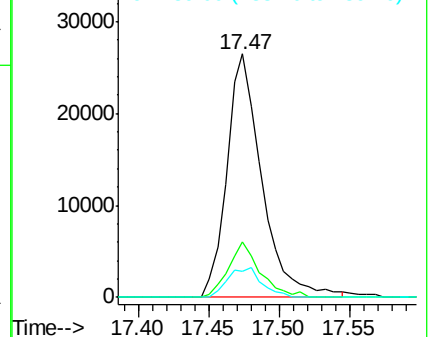
139 10.6 10.1 15.1



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



#74

Di-n-butylphthalate

Concen: 0.776 ng

RT: 18.04 min Scan# 2559

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

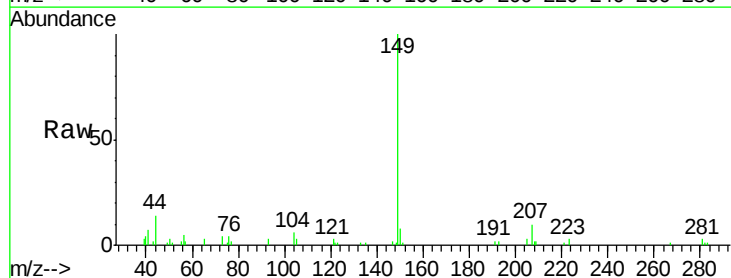
Tgt Ion:149 Resp: 46906

Ion Ratio Lower Upper

149 100

150 8.1 7.4 11.0

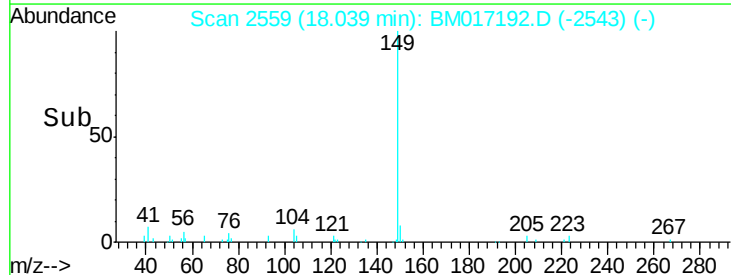
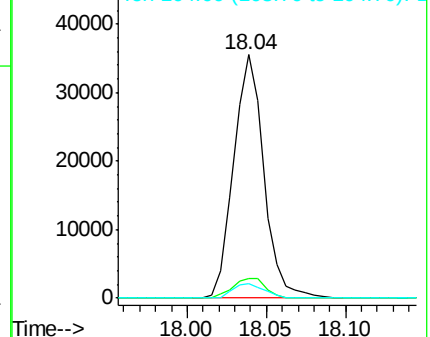
104 5.9 4.3 6.5

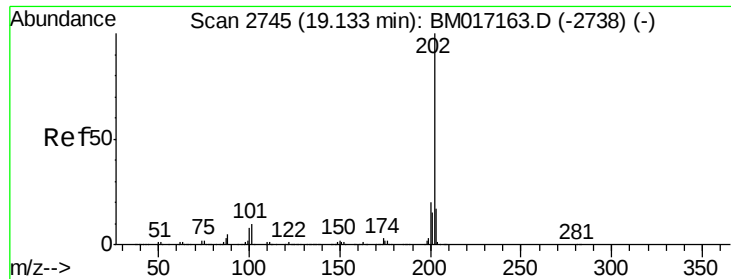


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 1.013 ng

RT: 19.13 min Scan# 2744

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

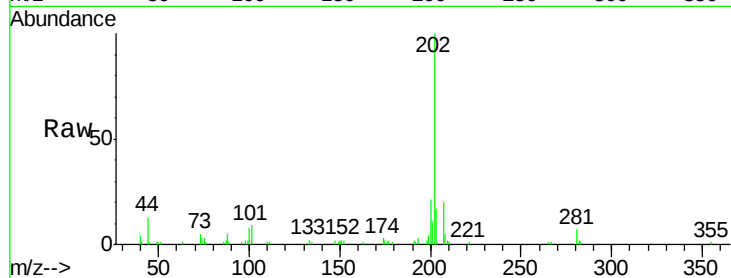
Tgt Ion:202 Resp: 67331

Ion Ratio Lower Upper

202 100

101 8.7 0.0 30.0

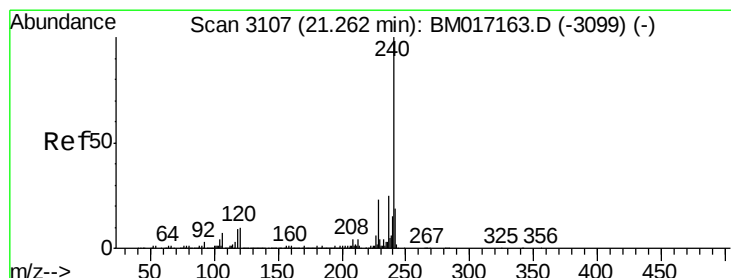
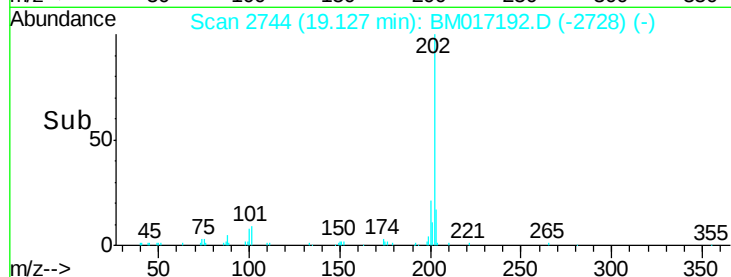
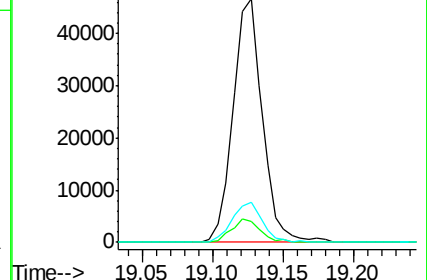
203 16.7 0.0 37.2



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

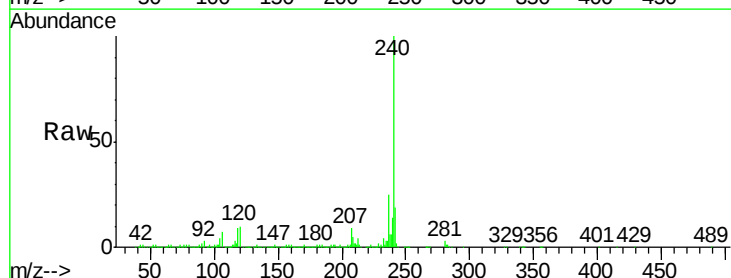
Tgt Ion:240 Resp: 1246329

Ion Ratio Lower Upper

240 100

120 9.8 8.1 12.1

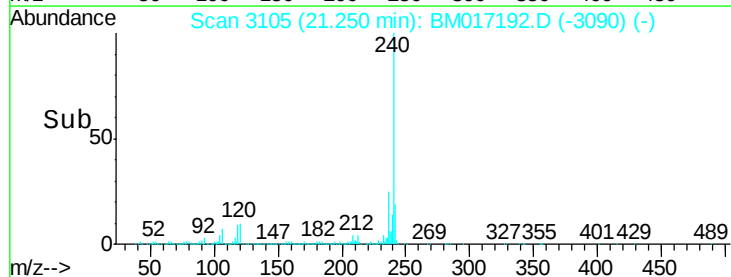
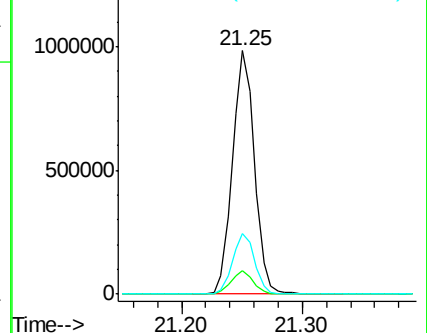
236 25.1 19.9 29.9

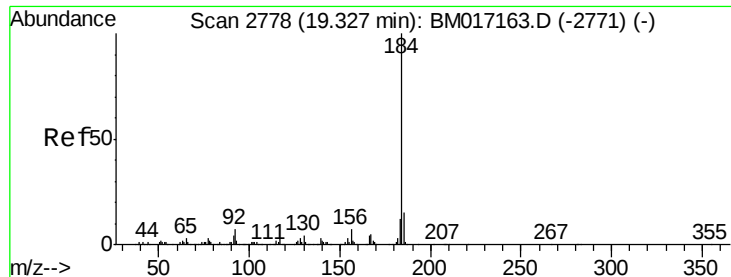


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.365 ng

RT: 19.33 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

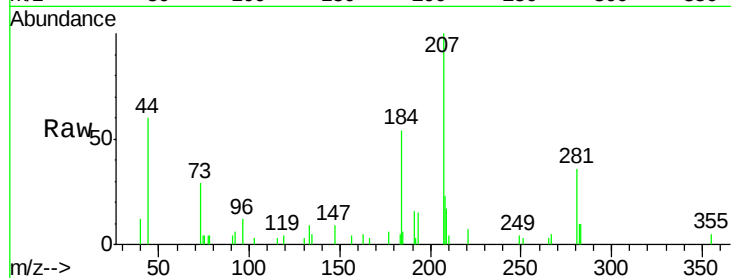
Tgt Ion:184 Resp: 11523

Ion Ratio Lower Upper

184 100

185 11.9 11.8 17.8

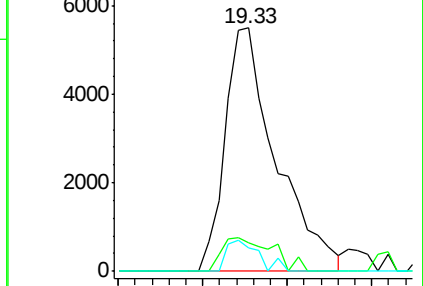
183 9.6 9.7 14.5#



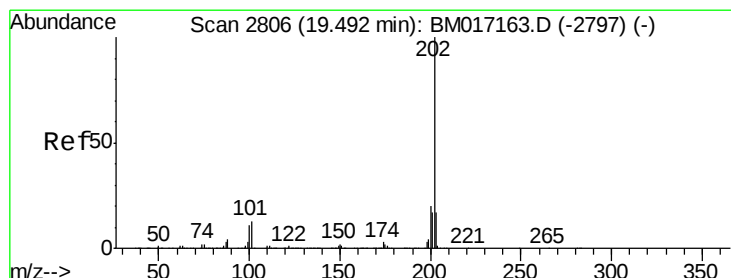
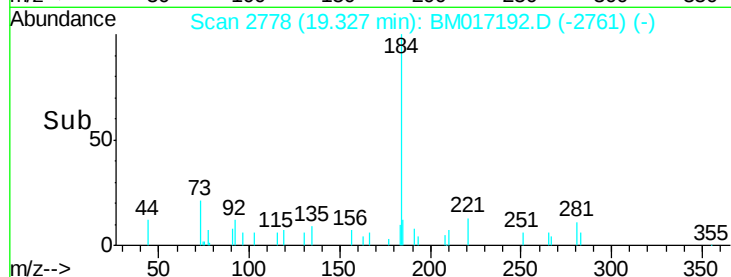
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 19.25 19.30 19.35 19.40



#78

Pyrene

Concen: 1.000 ng

RT: 19.49 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

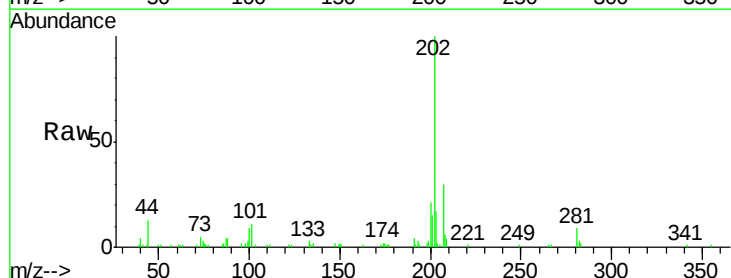
Tgt Ion:202 Resp: 69668

Ion Ratio Lower Upper

202 100

200 21.1 16.3 24.5

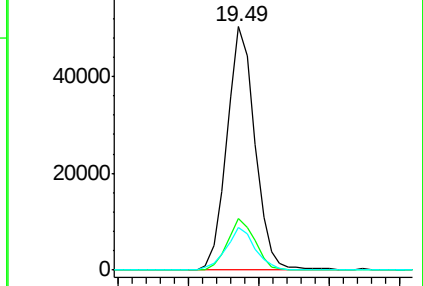
203 17.5 13.9 20.9



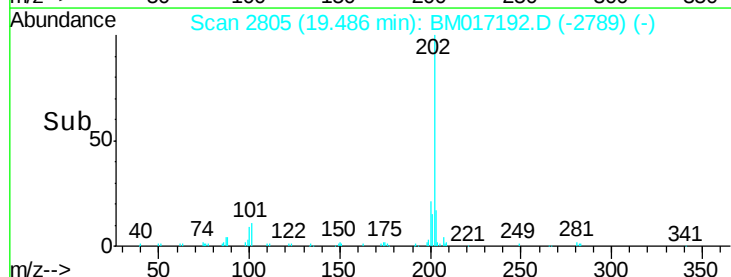
Abundance Ion 202.00 (201.70 to 202.70): E

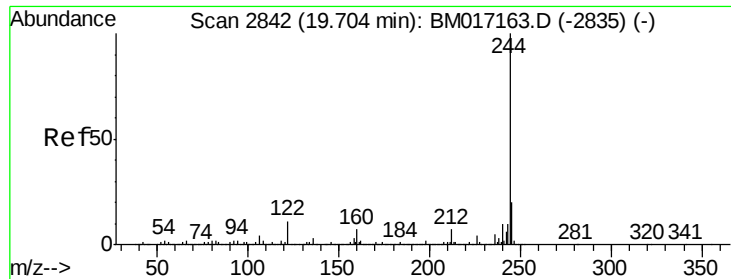
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.40 19.45 19.50 19.55





#79

Terphenyl-d14

Concen: 84.351 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

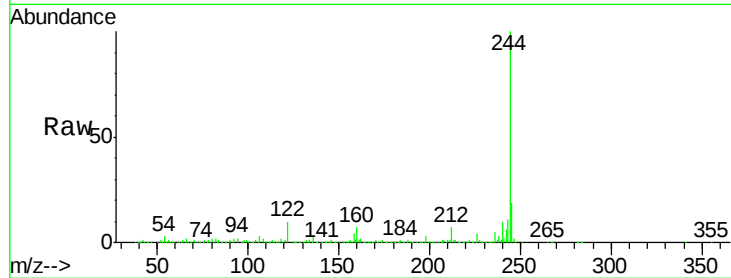
Tgt Ion:244 Resp: 4664084

Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

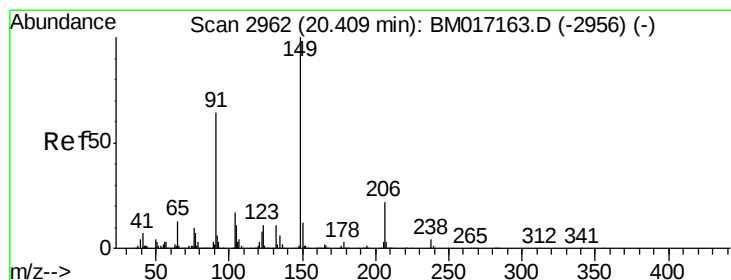
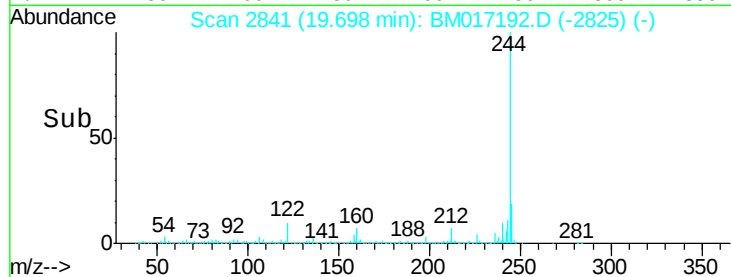
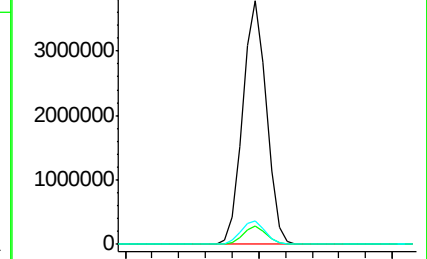
122 9.9 8.4 12.6



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



#80

Butylbenzylphthalate

Concen: 7.781 ng

RT: 20.40 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

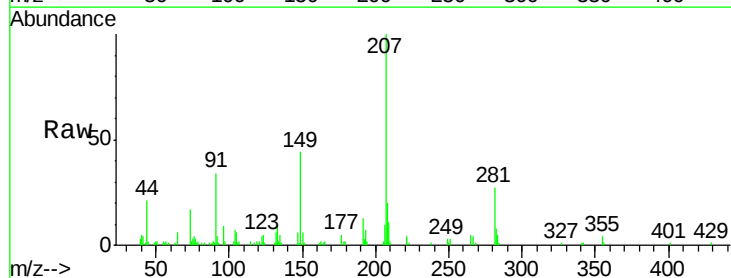
Tgt Ion:149 Resp: 18861

Ion Ratio Lower Upper

149 100

91 77.1 51.3 76.9#

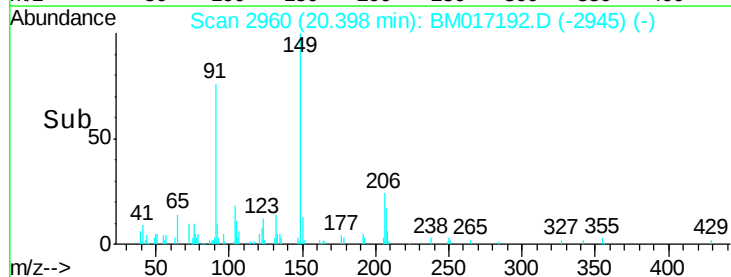
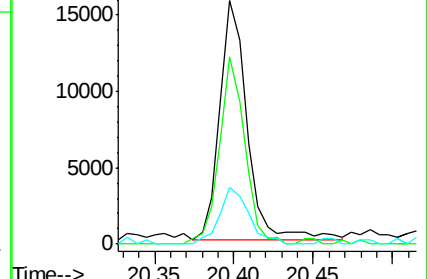
206 23.3 18.0 27.0

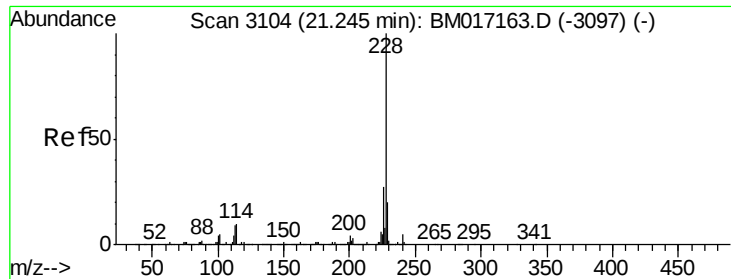


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

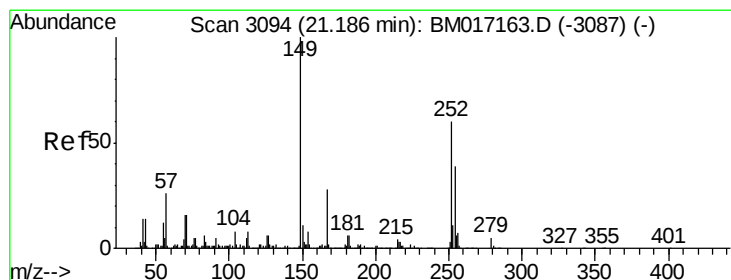
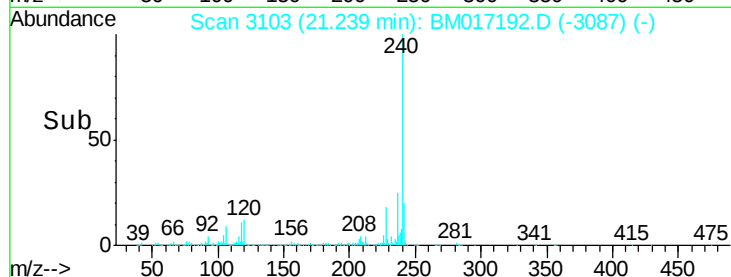
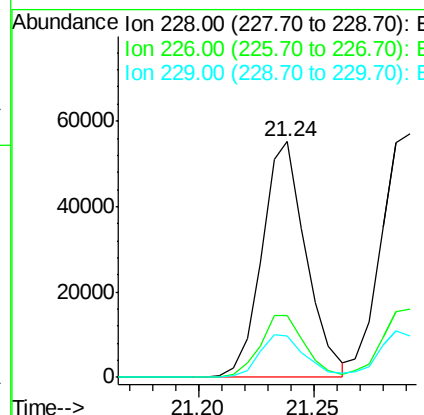
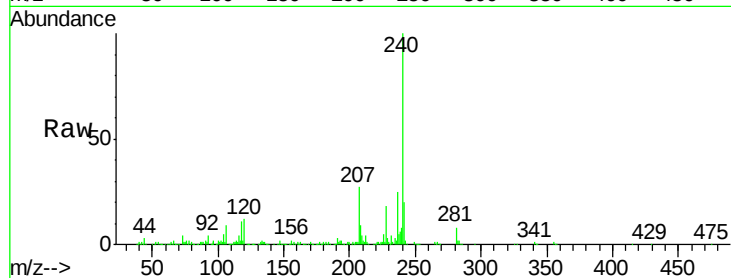




#81
Benzo(a)anthracene
Concen: 1.044 ng
RT: 21.24 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

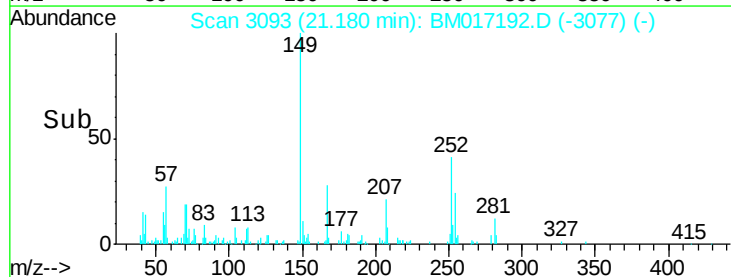
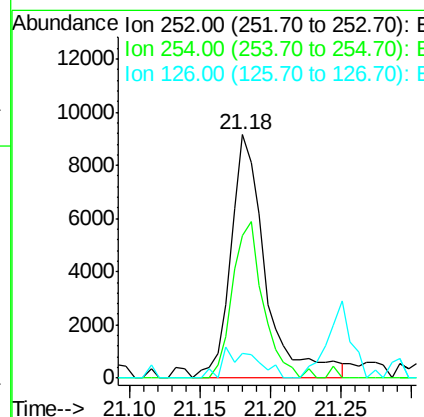
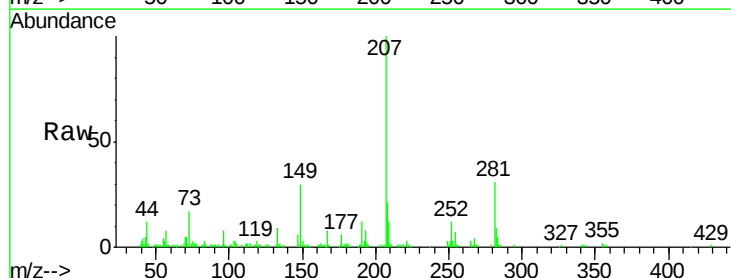
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

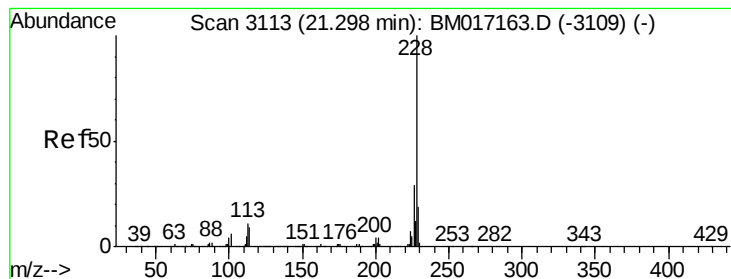
Tgt Ion:228 Resp: 73224
Ion Ratio Lower Upper
228 100
226 26.1 21.4 32.0
229 17.7 15.9 23.9



#82
3,3'-Dichlorobenzidine
Concen: 0.600 ng
RT: 21.18 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:252 Resp: 15694
Ion Ratio Lower Upper
252 100
254 58.6 52.1 78.1
126 10.1 8.6 12.8





#83

Chrysene

Concen: 1.096 ng

RT: 21.29 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

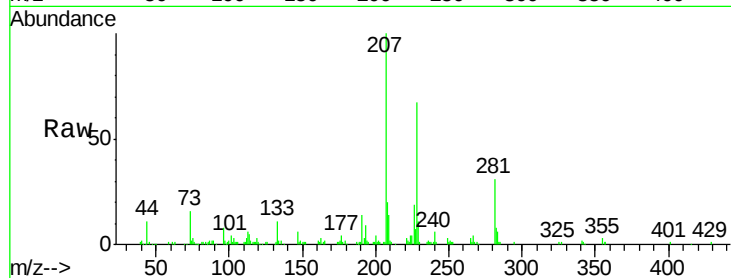
Tgt Ion:228 Resp: 76118

Ion Ratio Lower Upper

228 100

226 27.9 23.3 34.9

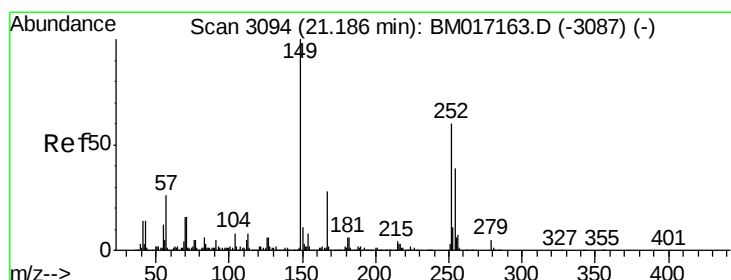
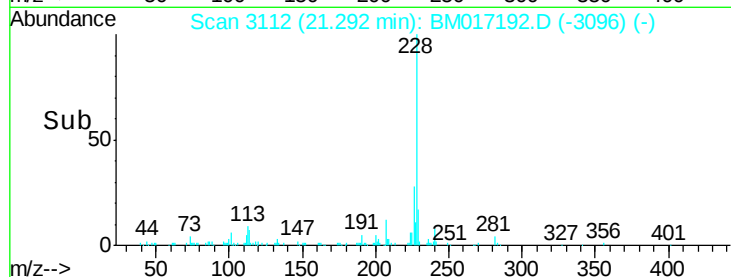
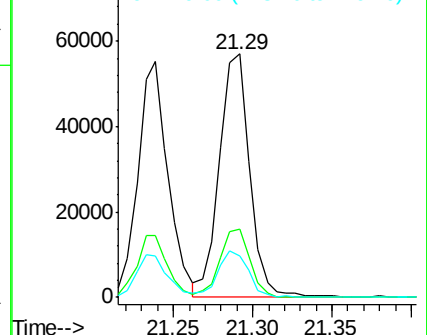
229 17.0 15.6 23.4



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.874 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

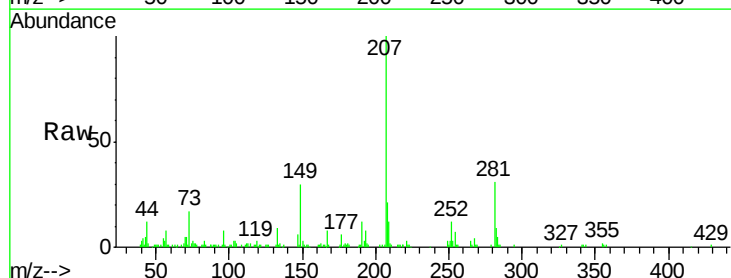
Tgt Ion:149 Resp: 25793

Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.4

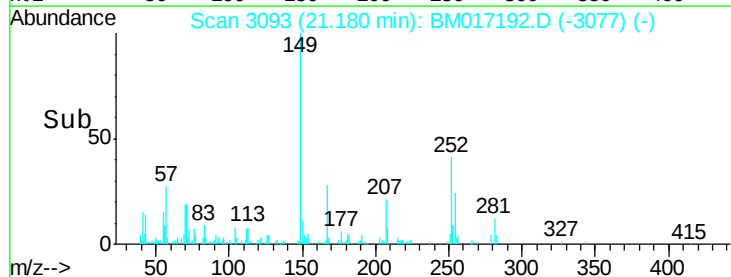
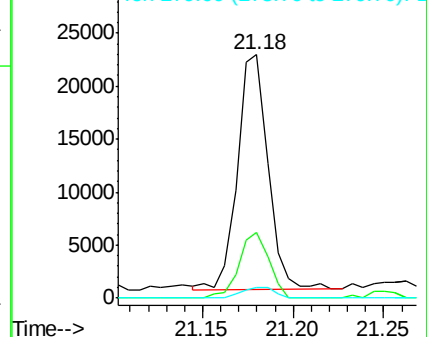
279 4.1 3.6 5.4

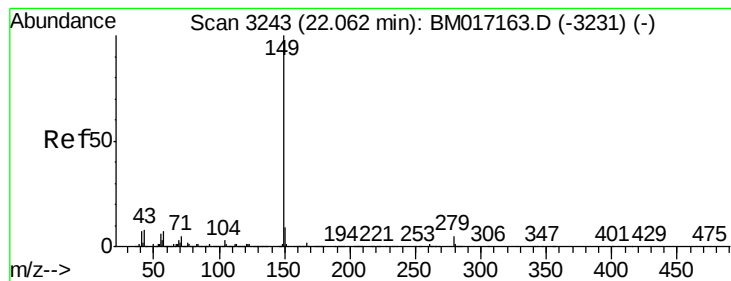


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 6.130 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

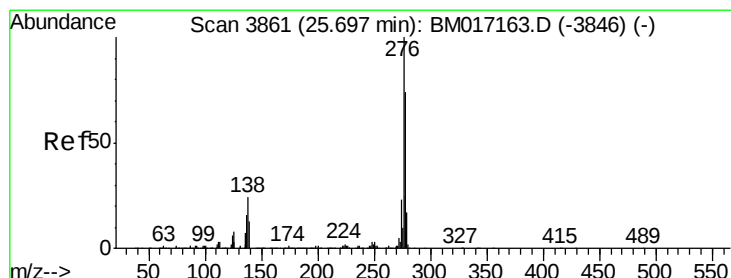
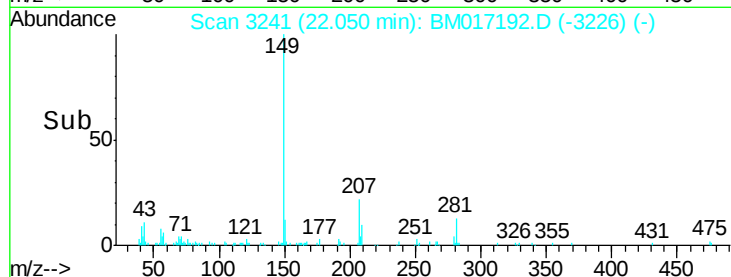
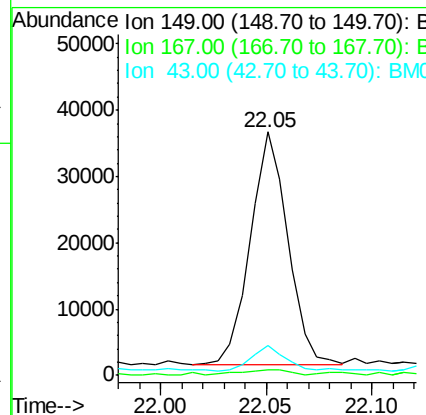
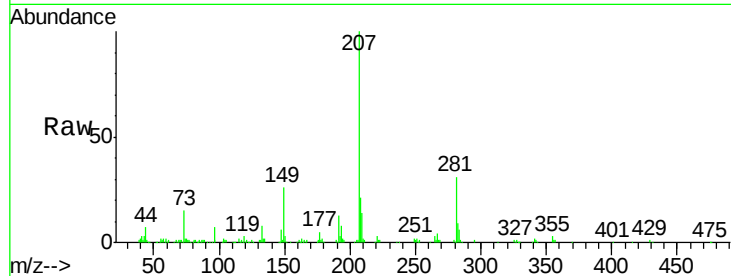
Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	149	Resp:	43395
Ion Ratio	Lower	Upper	
149	100		
167	3.2	1.4	2.0#
43	9.3	7.2	10.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 1.018 ng

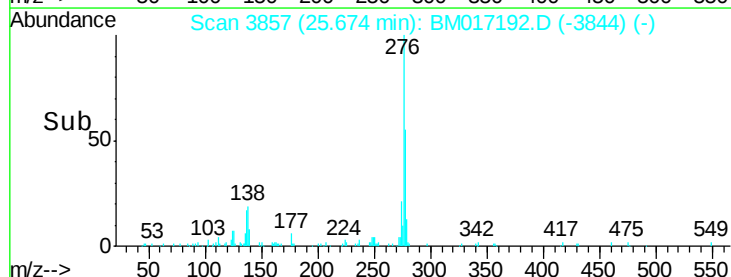
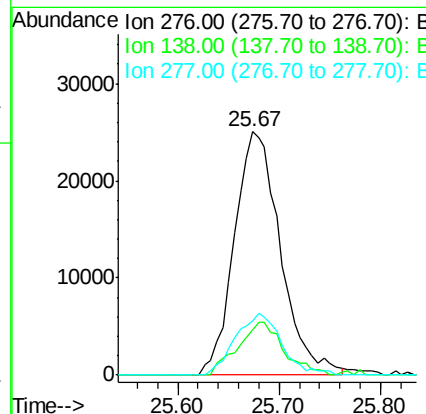
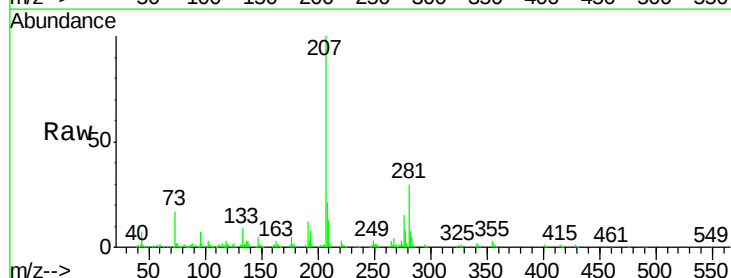
RT: 25.67 min Scan# 3857

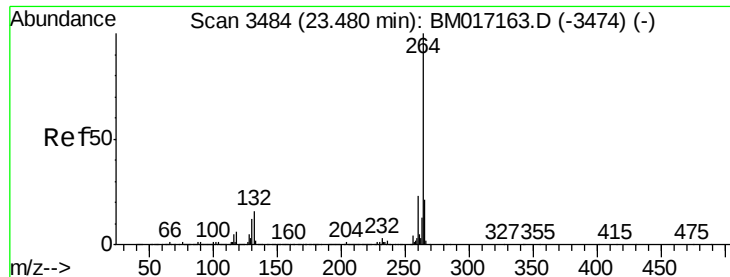
Delta R.T. -0.02 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Tgt Ion:	276	Resp:	79065
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.5	29.3
277	25.5	20.1	30.1





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.46 min Scan# 3481

Delta R.T. -0.02 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

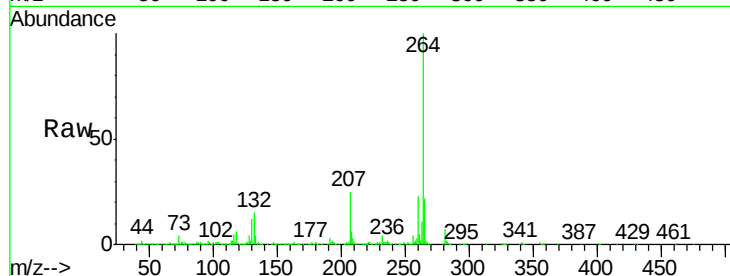
Tgt Ion:264 Resp: 1255126

Ion Ratio Lower Upper

264 100

260 22.7 18.6 27.8

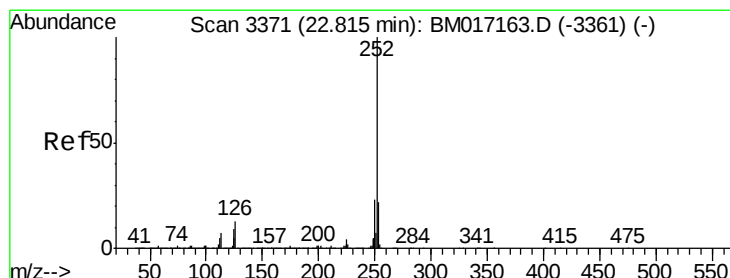
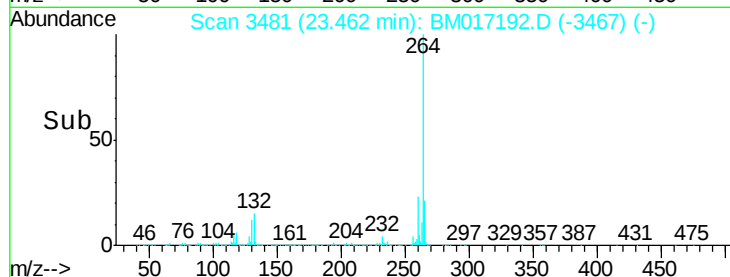
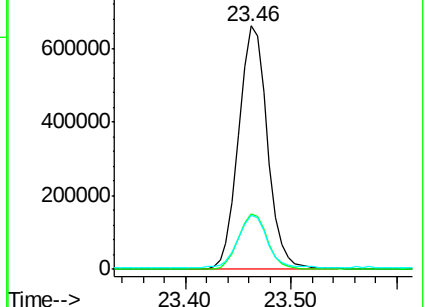
265 22.1 17.8 26.8



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



#88

Benzo(b)fluoranthene

Concen: 1.054 ng

RT: 22.80 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BM017192.D

Acq: 18 Oct 2018 14:37

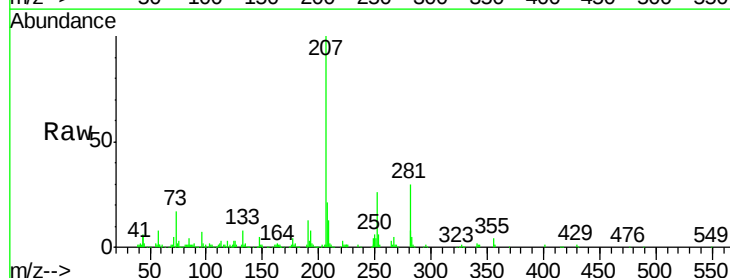
Tgt Ion:252 Resp: 72295

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

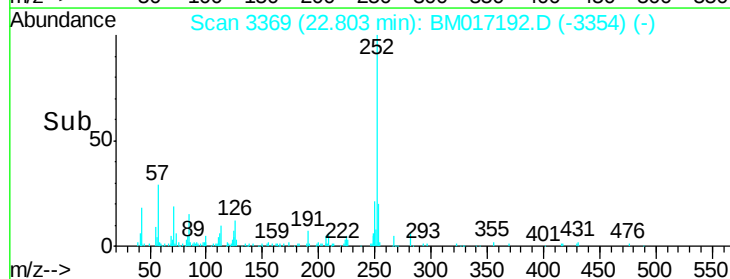
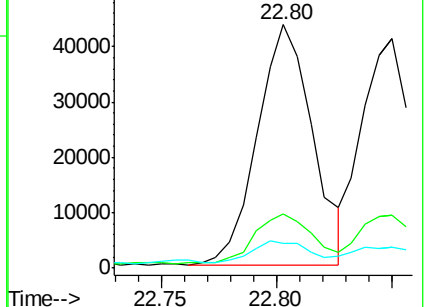
125 10.1 7.5 11.3

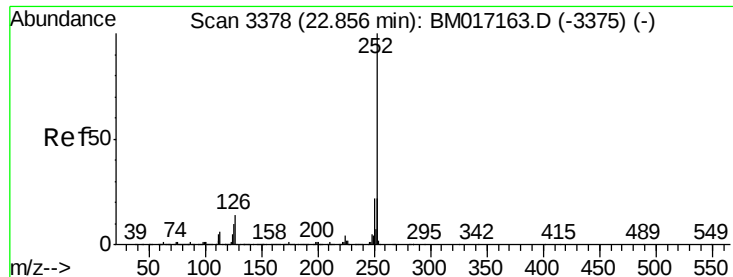


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

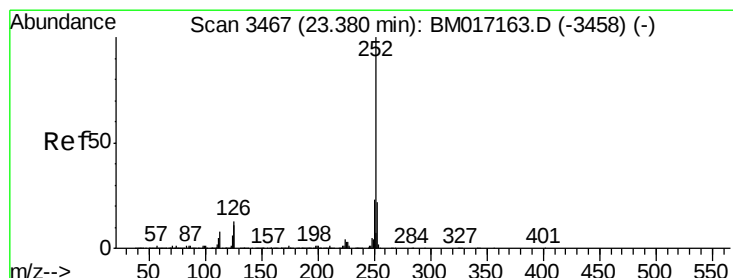
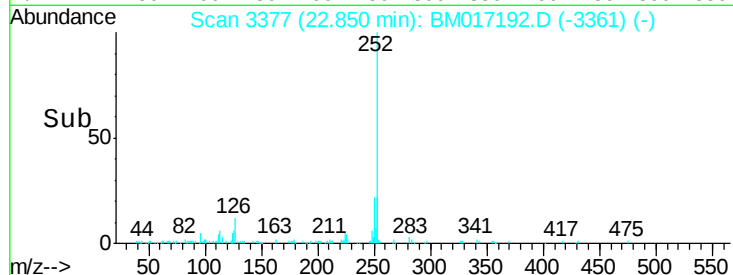
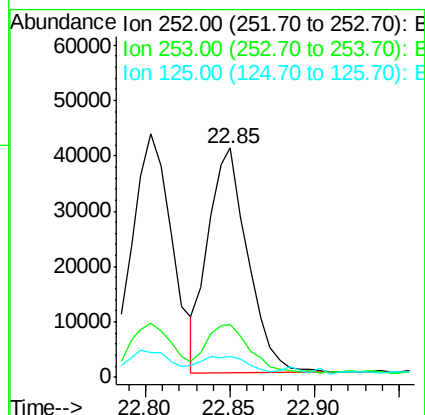
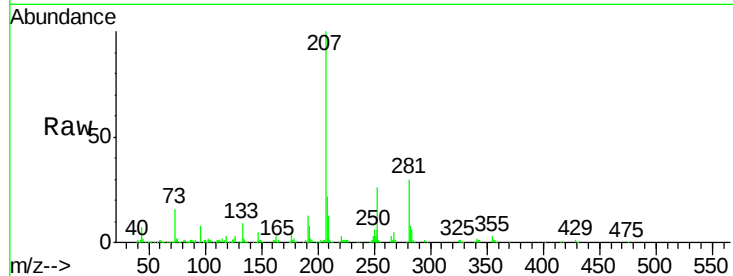




#89
Benzo(k)fluoranthene
Concen: 0.969 ng
RT: 22.85 min Scan# 3377
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

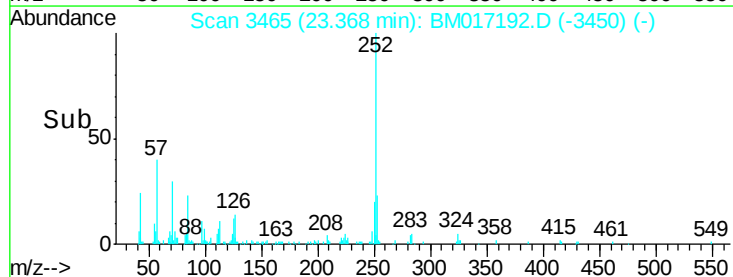
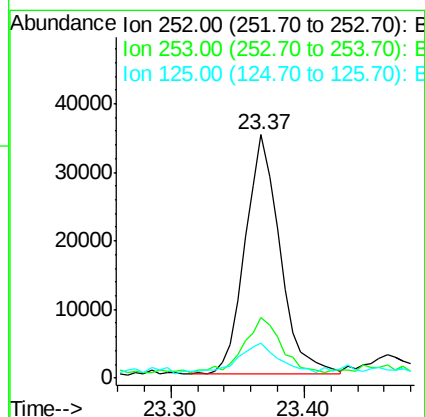
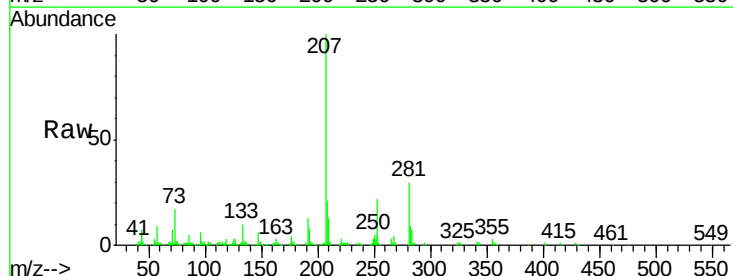
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

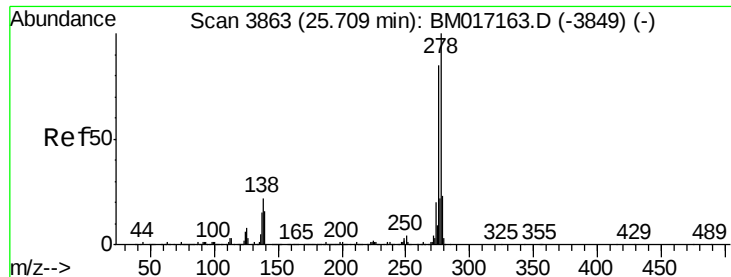
Tgt Ion:252 Resp: 66731
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 9.4 8.2 12.2



#90
Benzo(a)pyrene
Concen: 0.969 ng
RT: 23.37 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion:252 Resp: 63154
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 14.1 8.6 13.0#

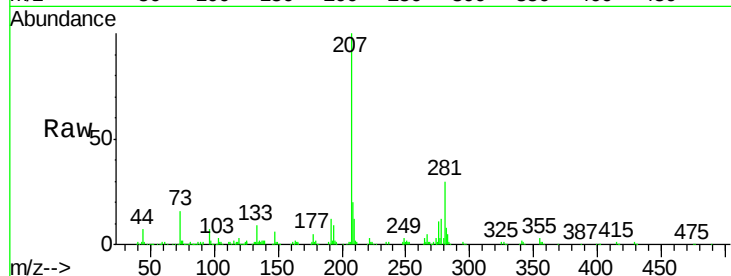




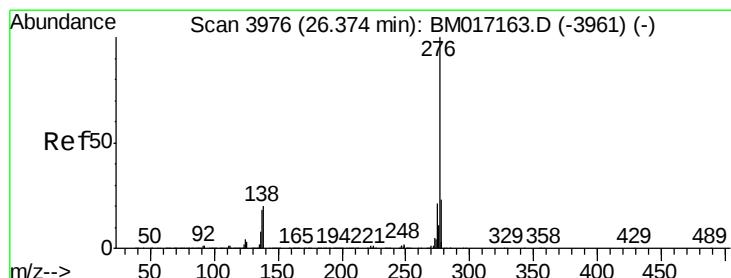
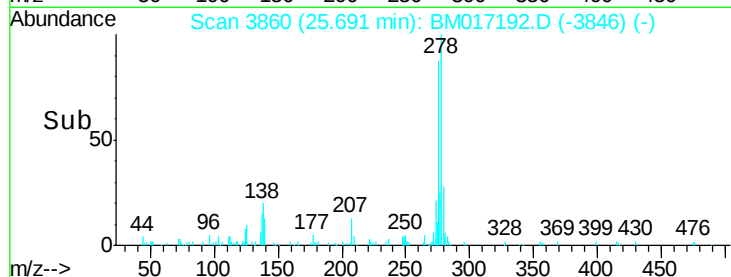
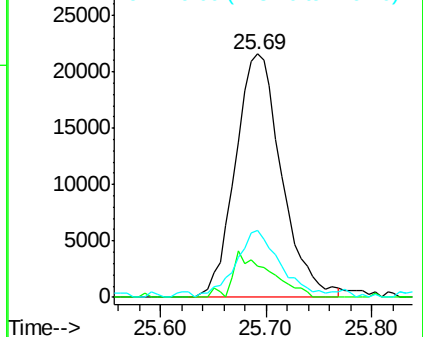
#91
Dibenzo(a,h)anthracene
Concen: 1.015 ng
RT: 25.69 min Scan# 3860
Delta R.T. -0.02 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 278 Resp: 65635
Ion Ratio Lower Upper
278 100
139 13.0 12.7 19.1
279 27.6 18.7 28.1

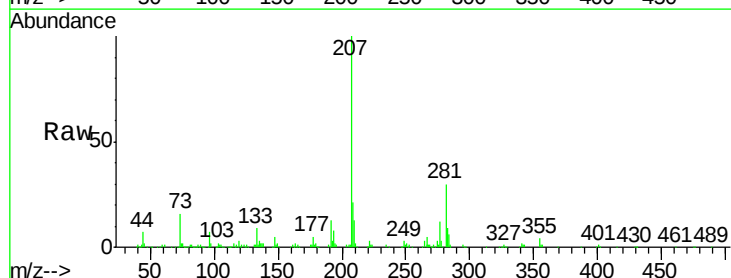


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 1.037 ng
RT: 26.35 min Scan# 3972
Delta R.T. -0.02 min
Lab File: BM017192.D
Acq: 18 Oct 2018 14:37

Tgt Ion: 276 Resp: 66468
Ion Ratio Lower Upper
276 100
277 23.6 18.6 28.0
138 19.8 16.4 24.6



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

