

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
 Data File : BM017194.D
 Acq On : 18 Oct 2018 15:49
 Operator : MJ/SJ
 Sample : J5164-03
 Misc : MDL 5 PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Oct 19 09:35:44 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	197338	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	812810	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	464135	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1092906	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1295627	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1337902	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	1557019	133.45	ng	0.00
7) Phenol-d6	6.85	99	2021471	127.21	ng	0.00
23) Nitrobenzene-d5	8.82	82	1212555	87.25	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	889888	141.78	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	2903587	83.24	ng	0.00
79) Terphenyl-d14	19.70	244	4590959	79.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.27	88	22874	3.839	ng	# 80
3) Pyridine	3.66	79	61045	4.453	ng	# 85
4) n-Nitrosodimethylamine	3.57	42	30015	5.454	ng	# 63
6) Aniline	7.01	93	68221	3.432	ng	99
8) 2-Chlorophenol	7.24	128	64176	4.754	ng	98
9) Benzaldehyde	6.83	77	51138	5.047	ng	89
10) Phenol	6.87	94	79411	4.643	ng	97
11) bis(2-Chloroethyl)ether	7.10	93	60499	4.438	ng	98
12) 1,3-Dichlorobenzene	7.56	146	72379	4.600	ng	96
13) 1,4-Dichlorobenzene	7.70	146	74319	4.623	ng	98
14) 1,2-Dichlorobenzene	8.02	146	71180	4.596	ng	92
15) Benzyl Alcohol	7.92	79	51013	4.392	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.20	45	82587	4.336	ng	98
17) 2-Methylphenol	8.11	107	49037	4.467	ng	94
18) Hexachloroethane	8.73	117	26195	4.761	ng	96
19) n-Nitroso-di-n-propylamine	8.47	70	44136	4.218	ng	98
20) 3+4-Methylphenols	8.43	107	64253	4.280	ng	96
22) Acetophenone	8.49	105	93622	4.544	ng	# 98
24) Nitrobenzene	8.86	77	77275	5.257	ng	91
25) Isophorone	9.39	82	116437	5.074	ng	95
26) 2-Nitrophenol	9.57	139	26093	9.045	ng	95
27) 2,4-Dimethylphenol	9.63	122	52125	5.137	ng	89
28) bis(2-Chloroethoxy)methane	9.87	93	77222	4.781	ng	98
29) 2,4-Dichlorophenol	10.10	162	51629	4.382	ng	97
30) 1,2,4-Trichlorobenzene	10.31	180	66916	4.734	ng	97
31) Naphthalene	10.49	128	195280	4.903	ng	98
32) Benzoic acid	9.77	122	1076	0.142	ng	88
33) 4-Chloroaniline	10.62	127	56206	3.267	ng	93
34) Hexachlorobutadiene	10.78	225	40188	4.488	ng	98
35) Caprolactam	11.39	113	13125	3.057	ng	93
36) 4-Chloro-3-methylphenol	11.74	107	58058	4.372	ng	93
37) 2-Methylnaphthalene	12.12	142	143096	5.250	ng	99
38) 1-Methylnaphthalene	12.33	142	135810	5.119	ng	# 97
40) 1,2,4,5-Tetrachlorobenzene	12.48	216	74534	4.560	ng	99

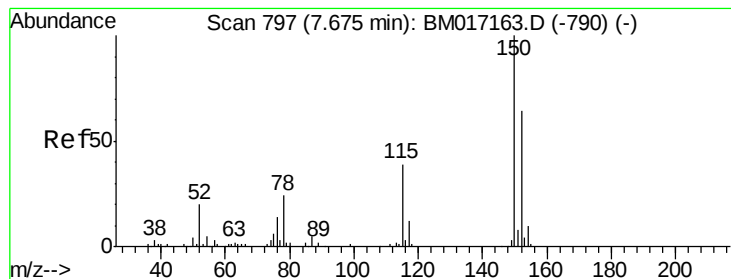
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.46	237	45143	5.713	ng	97
43) 2,4,6-Trichlorophenol	12.73	196	41634	4.388	ng	98
44) 2,4,5-Trichlorophenol	12.80	196	46919	4.611	ng	98
46) 1,1'-Biphenyl	13.14	154	190968	4.572	ng	99
47) 2-Chloronaphthalene	13.17	162	142910	4.651	ng	96
48) 2-Nitroaniline	13.39	65	32802	9.018	ng	94
49) Acenaphthylene	14.03	152	216498	4.861	ng	99
50) Dimethylphthalate	13.77	163	178804	4.993	ng	99
51) 2,6-Dinitrotoluene	13.89	165	32749	4.155	ng	91
52) Acenaphthene	14.37	154	133122	4.760	ng	97
53) 3-Nitroaniline	14.23	138	26200	3.069	ng #	81
54) 2,4-Dinitrophenol	14.43	184	12339	10.621	ng #	90
55) Dibenzofuran	14.71	168	224769	4.833	ng	100
56) 4-Nitrophenol	14.54	139	23432	7.551	ng	92
57) 2,4-Dinitrotoluene	14.69	165	41018	3.872	ng #	90
58) Fluorene	15.36	166	178091	5.174	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.94	232	45741	4.932	ng	97
60) Diethylphthalate	15.15	149	172146	4.848	ng	98
61) 4-Chlorophenyl-phenylether	15.36	204	93506	4.765	ng	99
62) 4-Nitroaniline	15.39	138	30835	7.671	ng	91
63) Azobenzene	15.66	77	151952	4.402	ng	97
65) 4,6-Dinitro-2-methylphenol	15.45	198	22198	9.704	ng	91
66) n-Nitrosodiphenylamine	15.58	169	148528	4.492	ng	99
67) 4-Bromophenyl-phenylether	16.26	248	55453	4.621	ng	90
68) Hexachlorobenzene	16.36	284	64882	4.655	ng	97
69) Atrazine	16.53	200	49891	4.216	ng	98
70) Pentachlorophenol	16.71	266	28451	2.979	ng	95
71) Phenanthrene	17.10	178	295149	5.005	ng	100
72) Anthracene	17.19	178	278010	4.962	ng	97
73) Carbazole	17.47	167	246540	4.308	ng	99
74) Di-n-butylphthalate	18.04	149	253095	4.193	ng	99
75) Fluoranthene	19.12	202	333871	5.032	ng	99
77) Benzidine	19.32	184	71682	2.182	ng	98
78) Pyrene	19.49	202	344784	4.761	ng	99
80) Butylbenzylphthalate	20.40	149	105352	10.428	ng	90
81) Benzo(a)anthracene	21.24	228	369253	5.064	ng	98
82) 3,3'-Dichlorobenzidine	21.18	252	82938	3.052	ng	98
83) Chrysene	21.29	228	361819	5.014	ng	100
84) Bis(2-ethylhexyl)phthalate	21.18	149	157845	8.638	ng	99
85) Di-n-octyl phthalate	22.05	149	263348	8.831	ng	99
86) Indeno(1,2,3-cd)pyrene	25.67	276	412305	5.108	ng	98
88) Benzo(b)fluoranthene	22.80	252	378637	5.176	ng	99
89) Benzo(k)fluoranthene	22.84	252	342916	4.672	ng	98
90) Benzo(a)pyrene	23.37	252	342650	4.934	ng	98
91) Dibenzo(a,h)anthracene	25.69	278	349550	5.069	ng	97
92) Benzo(g,h,i)perylene	26.35	276	354524	5.187	ng	98

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

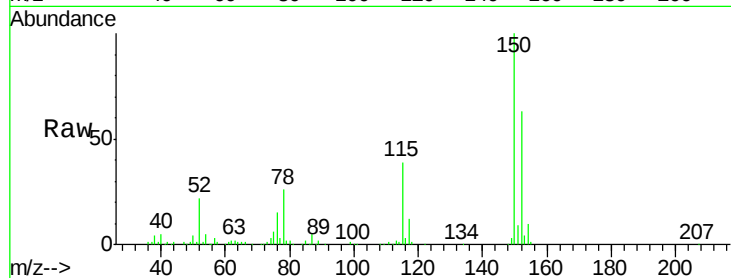


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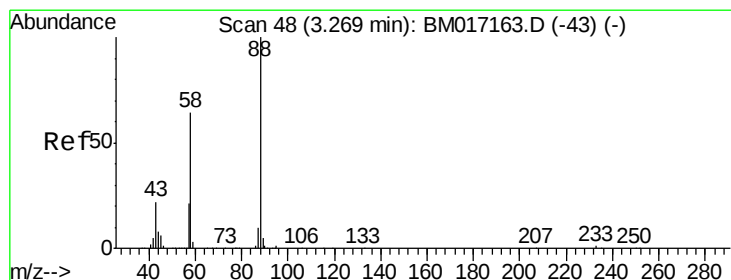
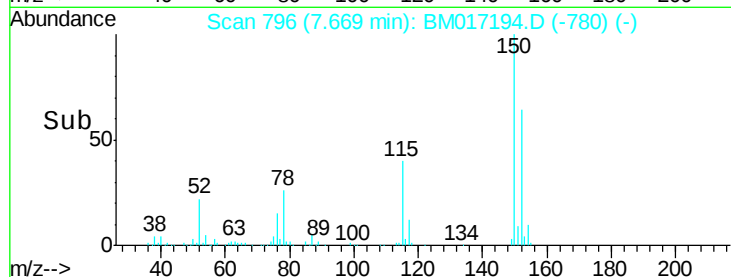
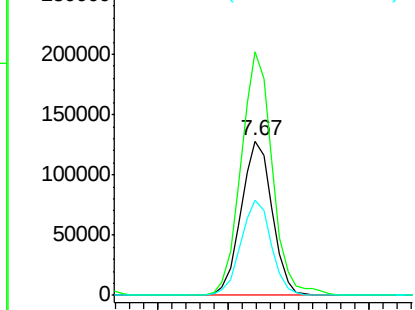
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

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

Tgt Ion: 152 Resp: 197338
Ion Ratio Lower Upper
152 100
150 157.6 124.3 186.5
115 61.8 48.1 72.1



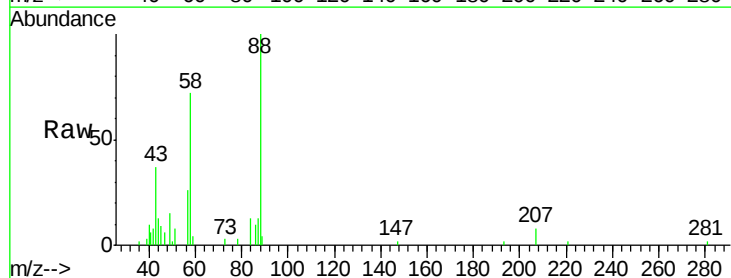
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



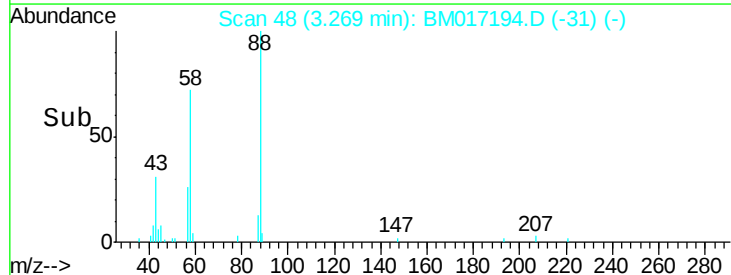
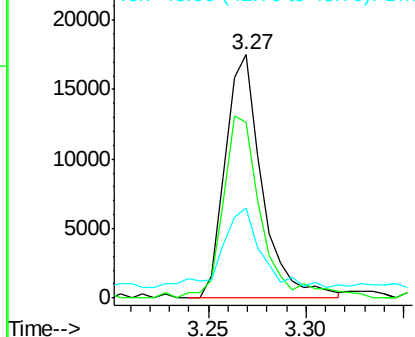
#2

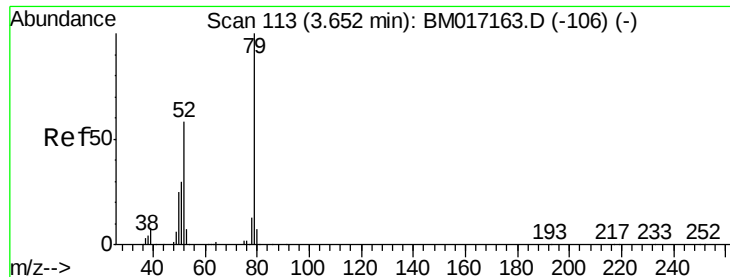
1,4-Dioxane
Concen: 3.839 ng
RT: 3.27 min Scan# 48
Delta R.T. -0.00 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion: 88 Resp: 22874
Ion Ratio Lower Upper
88 100
58 78.7 50.2 75.4#
43 33.9 19.3 28.9#



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





#3

Pyridine

Concen: 4.453 ng

RT: 3.66 min Scan# 114

Delta R.T. 0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

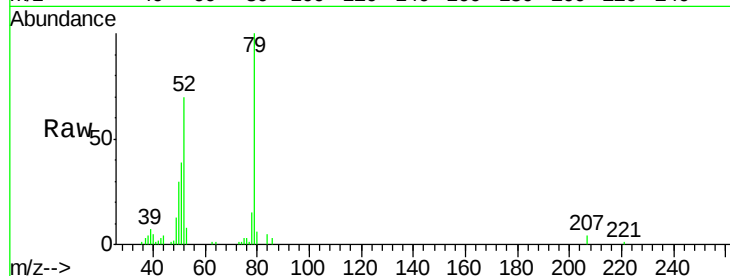
Tgt Ion: 79 Resp: 61045

Ion Ratio Lower Upper

79 100

52 69.7 46.5 69.7

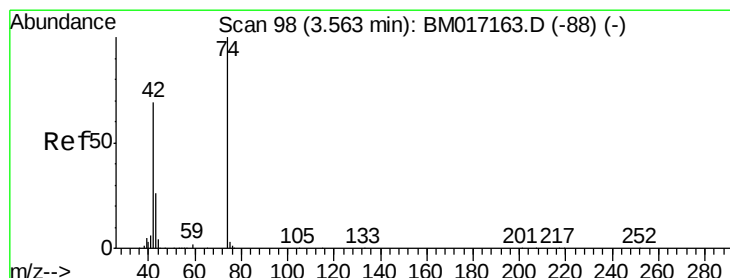
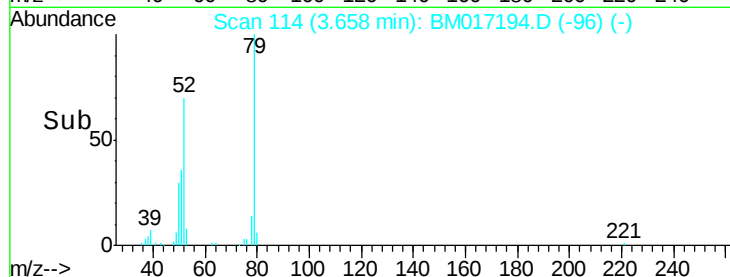
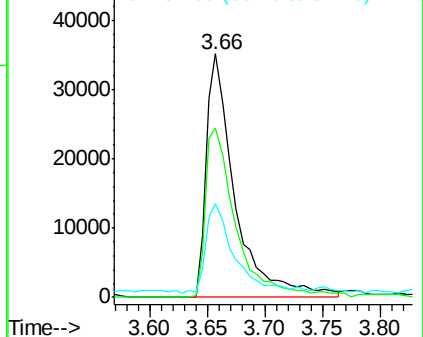
51 38.6 24.6 37.0#



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) (-)



#4

n-Nitrosodimethylamine

Concen: 5.454 ng

RT: 3.57 min Scan# 99

Delta R.T. 0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

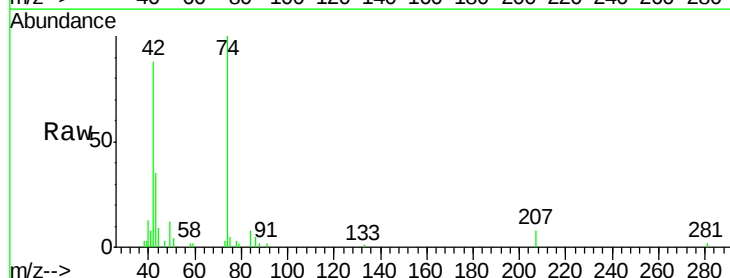
Tgt Ion: 42 Resp: 30015

Ion Ratio Lower Upper

42 100

74 113.9 114.4 171.6#

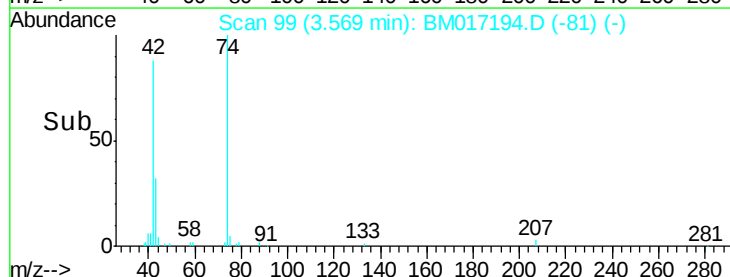
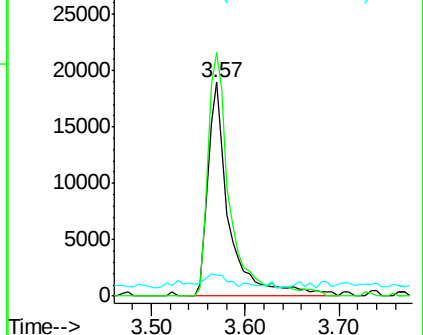
44 9.7 48.6 73.0#

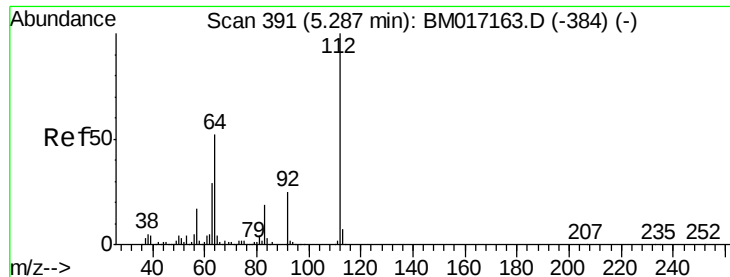


Abundance Ion 42.00 (41.70 to 42.70): BM017163.D (-88) (-)

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

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





#5

2-Fluorophenol

Concen: 133.448 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

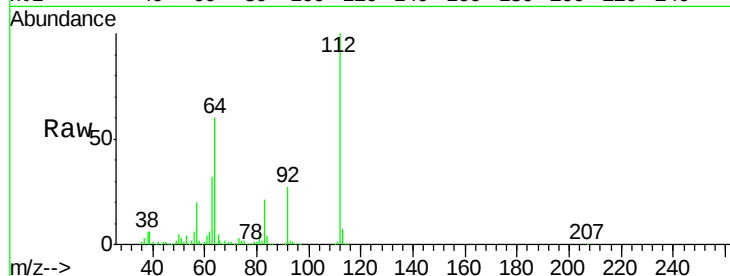
Tgt Ion: 112 Resp: 1557019

Ion Ratio Lower Upper

112 100

64 59.7 41.7 62.5

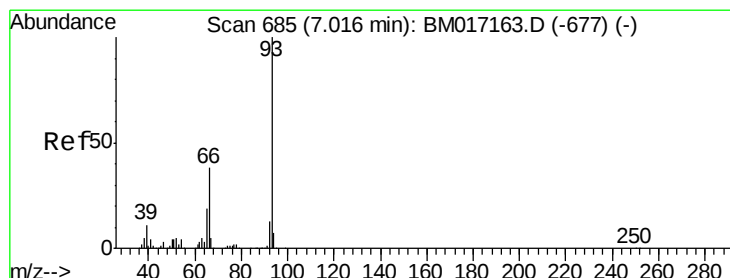
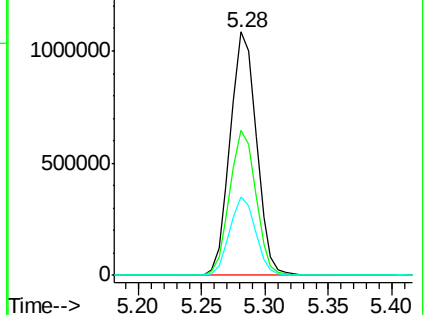
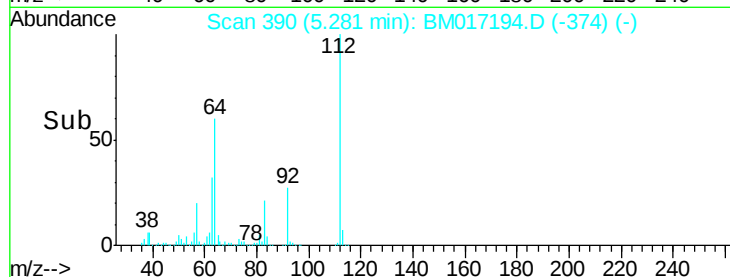
63 32.3 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 3.432 ng

RT: 7.01 min Scan# 684

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

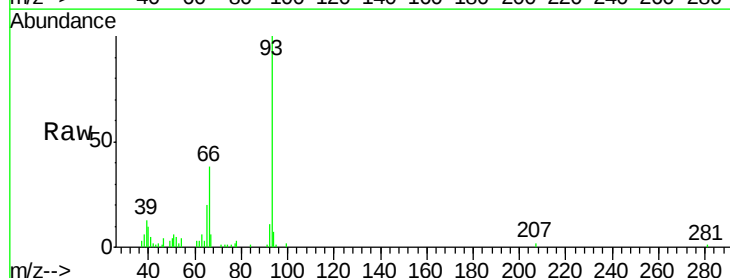
Tgt Ion: 93 Resp: 68221

Ion Ratio Lower Upper

93 100

66 38.4 30.4 45.6

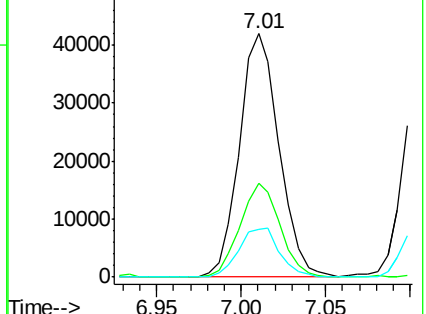
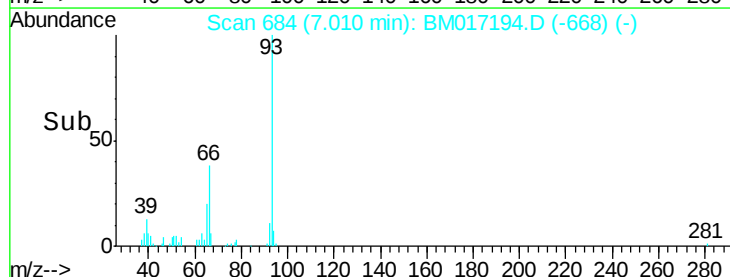
65 19.6 15.3 22.9

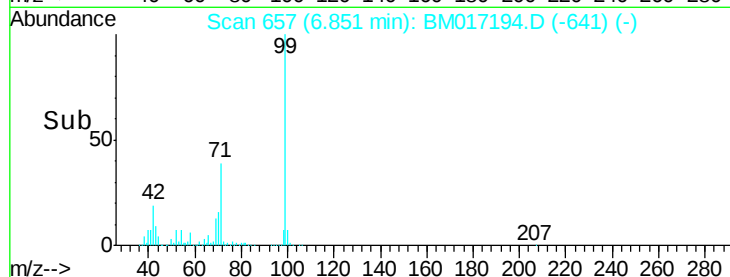
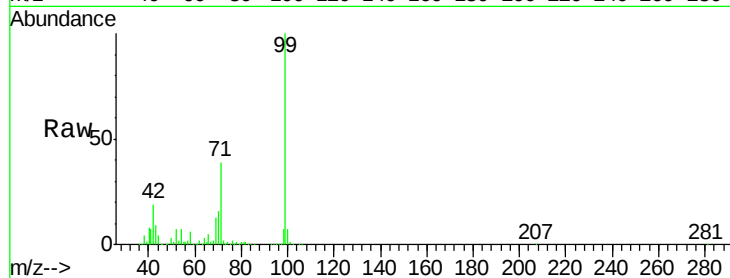
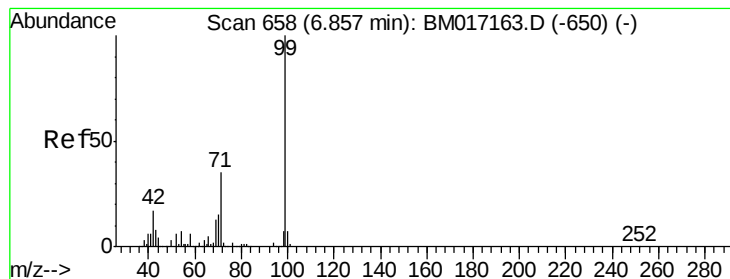


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 127.212 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

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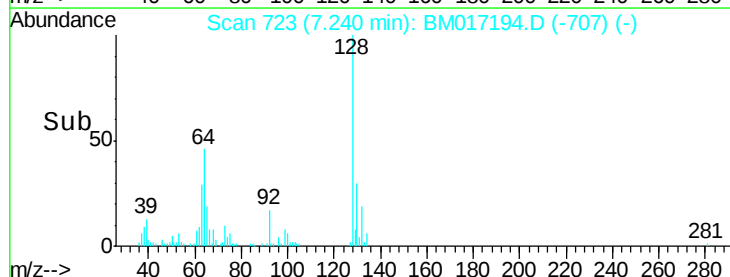
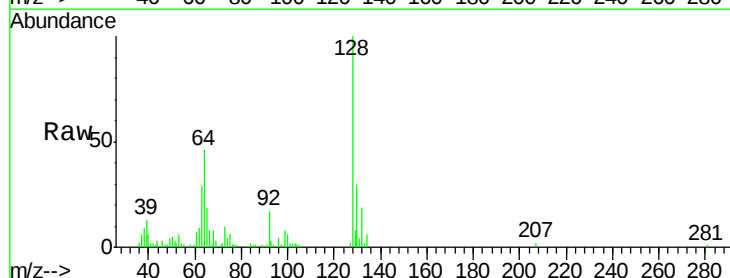
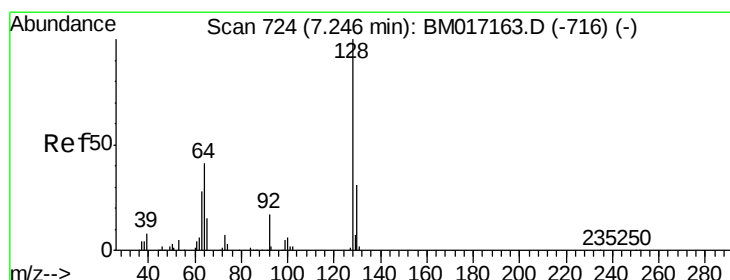
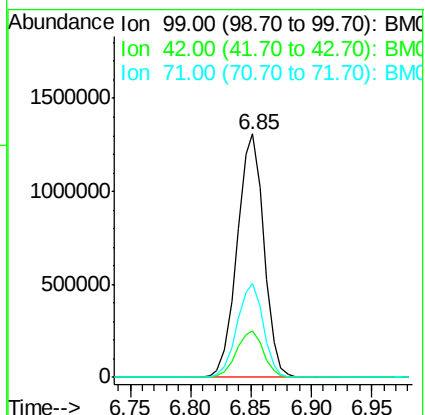
Tgt Ion: 99 Resp: 2021471

Ion Ratio Lower Upper

99 100

42 19.2 13.3 19.9

71 38.6 28.0 42.0



#8

2-Chlorophenol

Concen: 4.754 ng

RT: 7.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

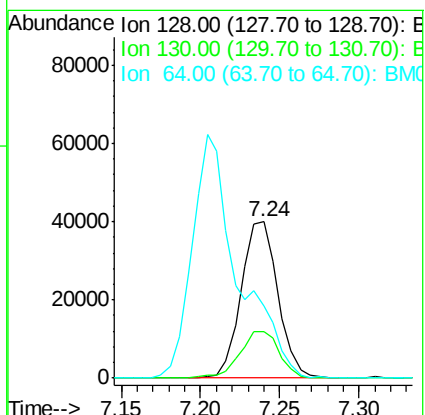
Tgt Ion: 128 Resp: 64176

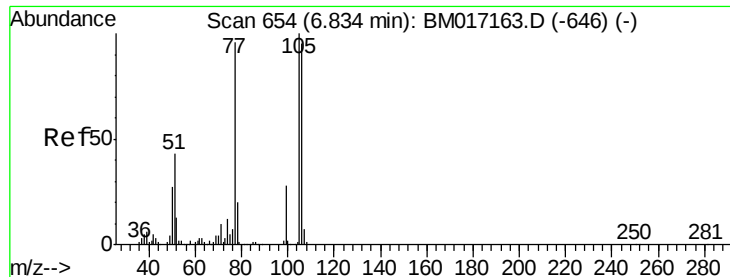
Ion Ratio Lower Upper

128 100

130 30.0 11.0 51.0

64 46.0 24.1 64.1





#9

Benzaldehyde

Concen: 5.047 ng

RT: 6.83 min Scan# 653

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

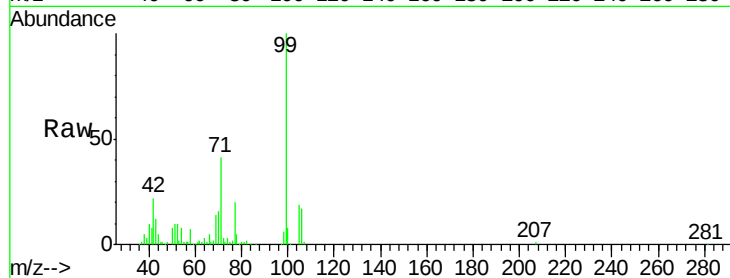
Tgt Ion: 77 Resp: 51138

Ion Ratio Lower Upper

77 100

105 95.1 83.9 123.9

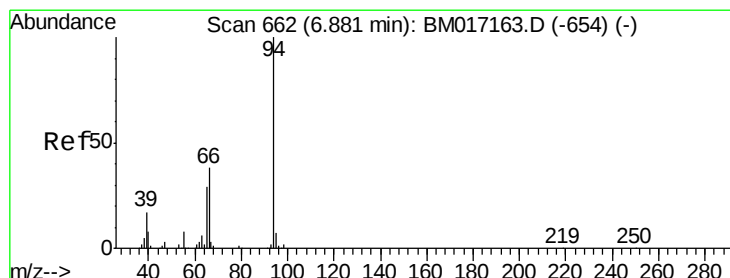
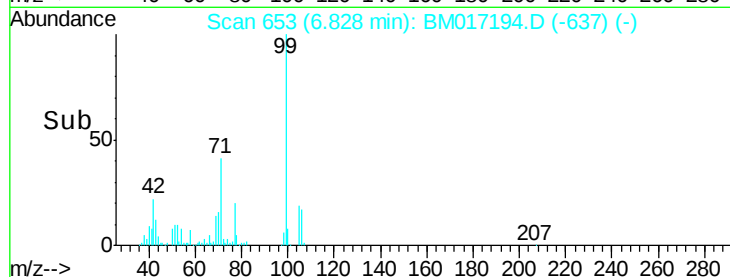
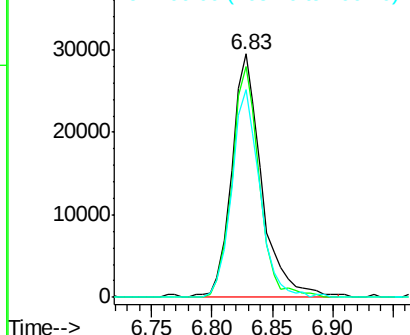
106 85.1 78.2 118.2



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: 4.643 ng

RT: 6.87 min Scan# 661

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

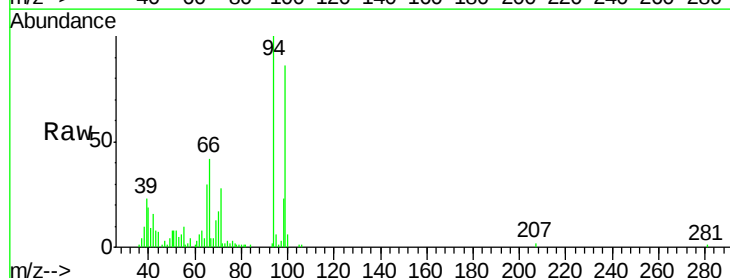
Tgt Ion: 94 Resp: 79411

Ion Ratio Lower Upper

94 100

65 30.2 9.4 49.4

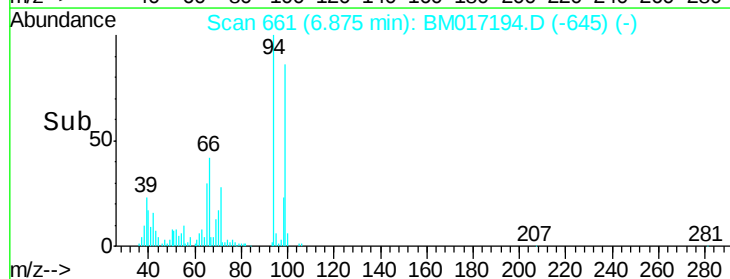
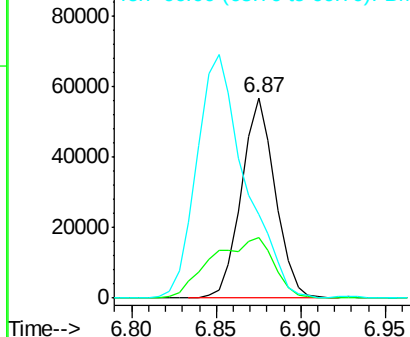
66 42.0 19.0 59.0

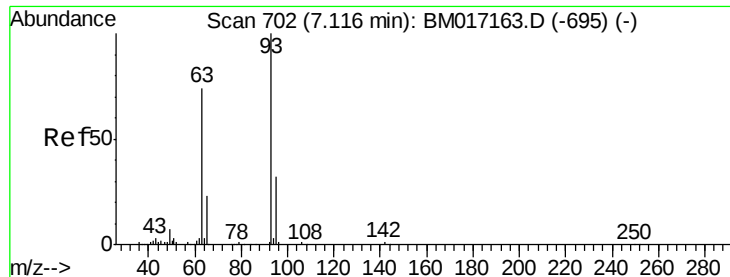


Abundance Ion 94.00 (93.70 to 94.70): BM017163.D (-654) (-)

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

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

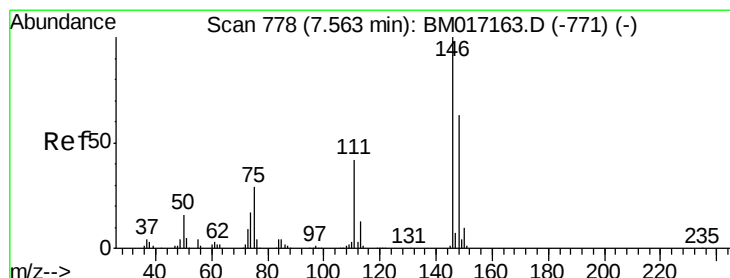
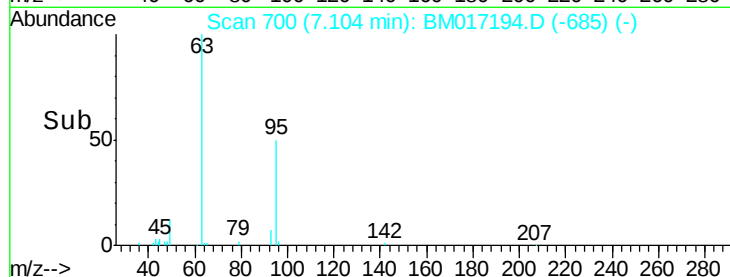
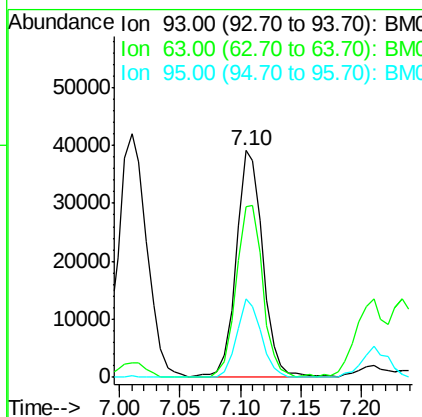
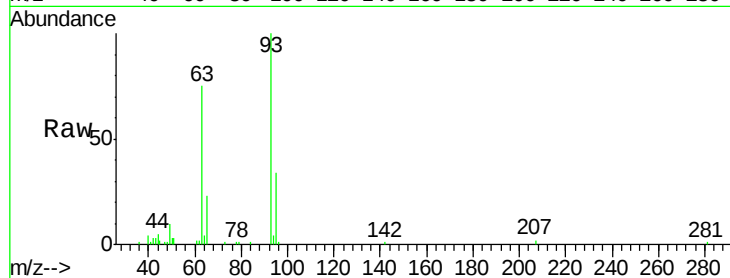




#11
bis(2-Chloroethyl)ether
Concen: 4.438 ng
RT: 7.10 min Scan# 700
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

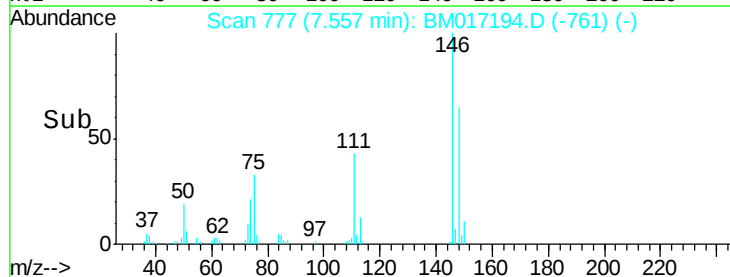
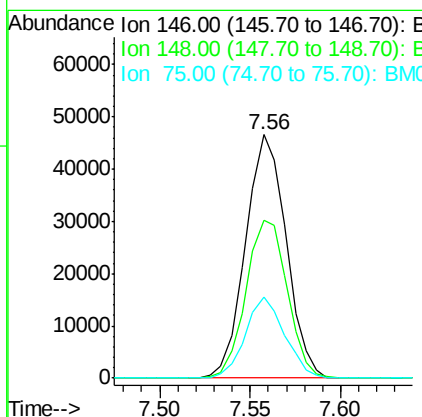
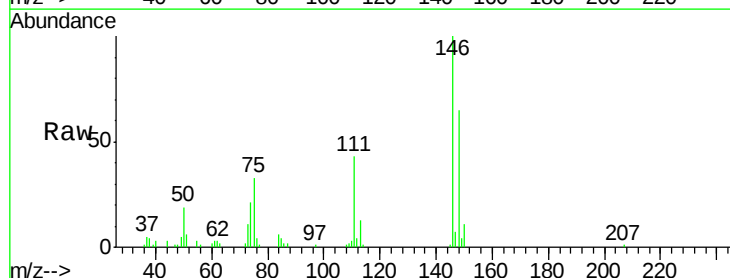
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

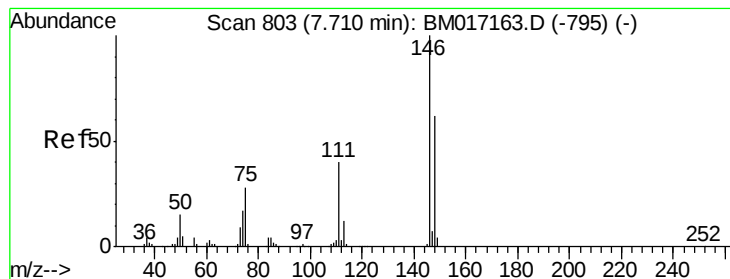
Tgt Ion: 93 Resp: 60499
Ion Ratio Lower Upper
93 100
63 75.3 54.0 94.0
95 34.4 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 4.600 ng
RT: 7.56 min Scan# 777
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion: 146 Resp: 72379
Ion Ratio Lower Upper
146 100
148 64.7 50.2 75.4
75 33.4 23.3 34.9





#13

1,4-Dichlorobenzene

Concen: 4.623 ng

RT: 7.70 min Scan# 802

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

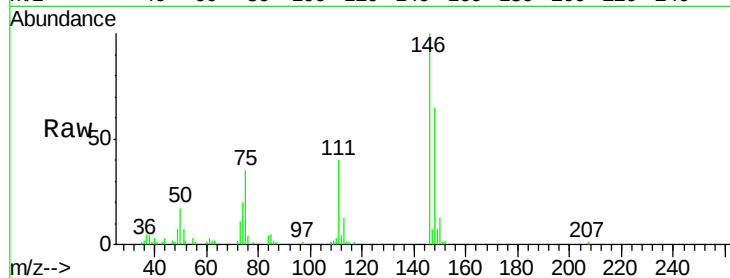
Tgt Ion:146 Resp: 74319

Ion Ratio Lower Upper

146 100

148 64.6 49.8 74.6

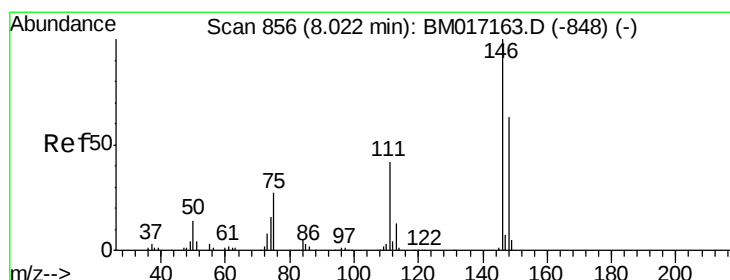
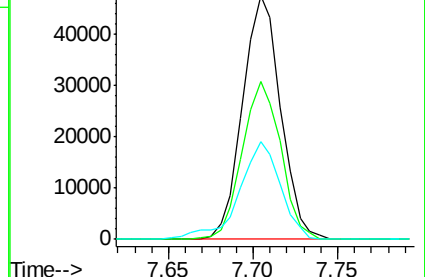
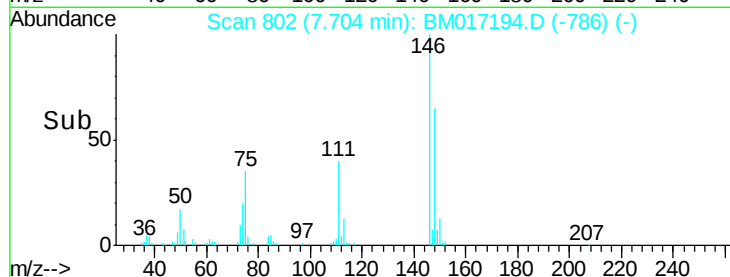
111 40.3 32.1 48.1



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: 4.596 ng

RT: 8.02 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

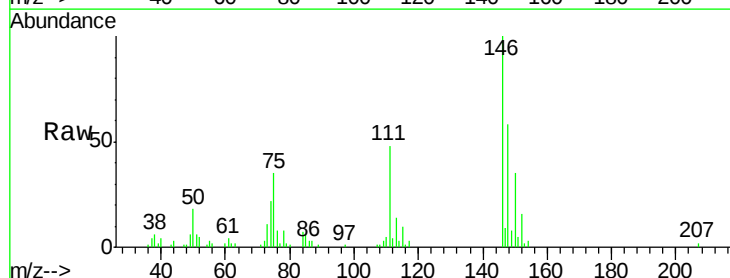
Tgt Ion:146 Resp: 71180

Ion Ratio Lower Upper

146 100

148 58.2 50.8 76.2

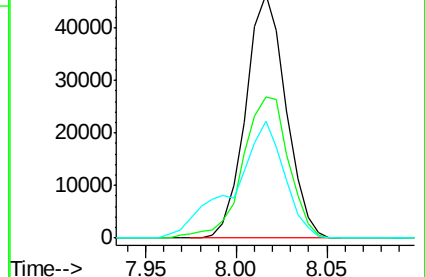
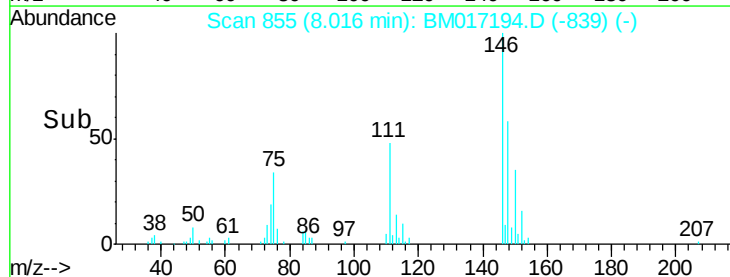
111 48.1 33.8 50.6

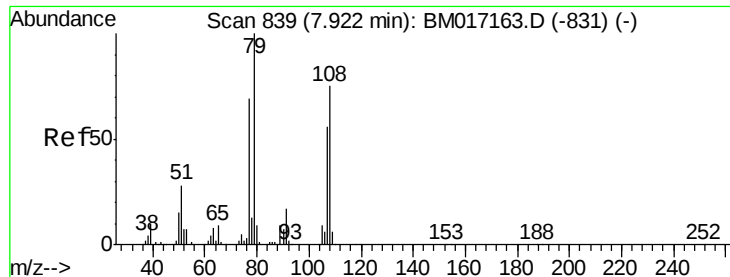


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 4.392 ng

RT: 7.92 min Scan# 838

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

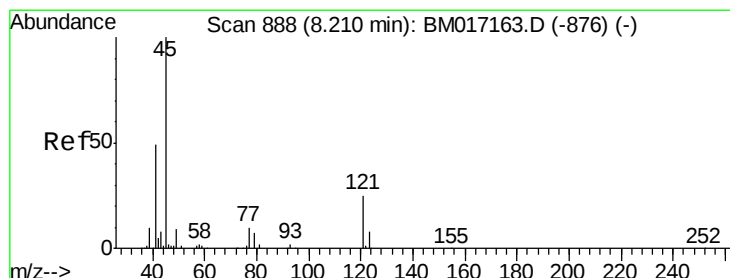
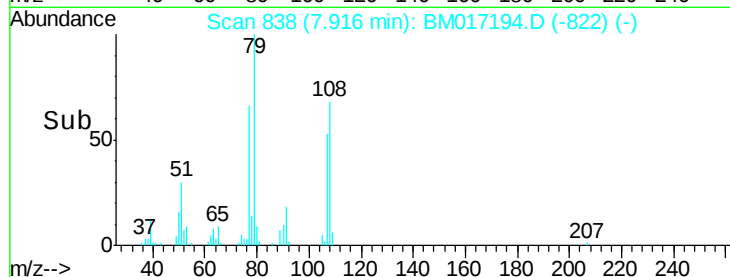
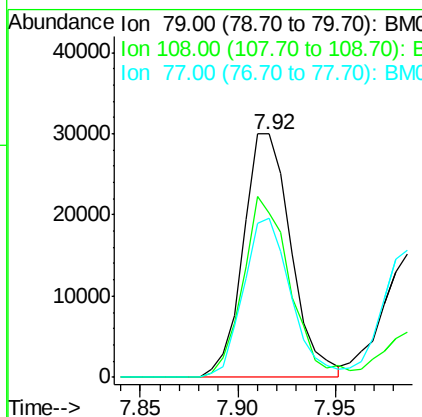
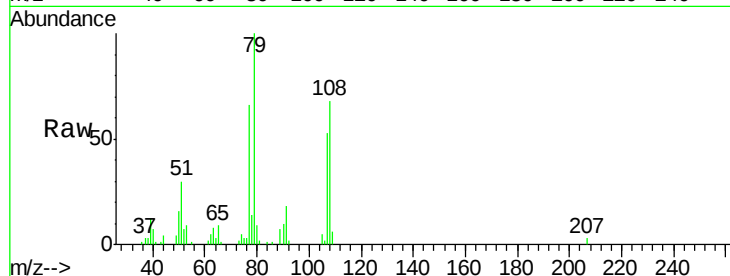
Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	79	Resp:	51013
Ion	Ratio	Lower	Upper
79	100		
108	67.5	60.3	90.5
77	65.6	54.8	82.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.336 ng

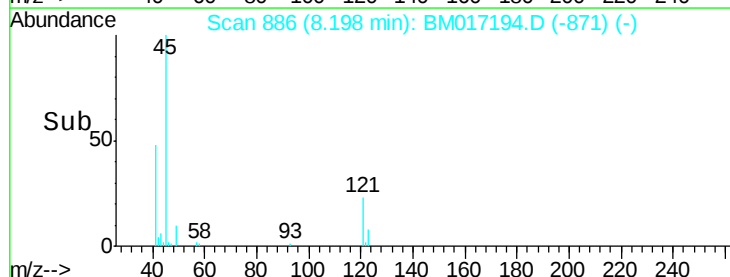
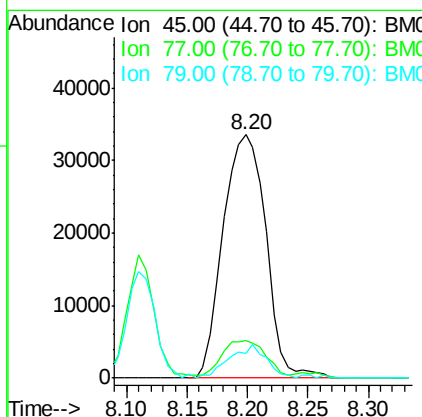
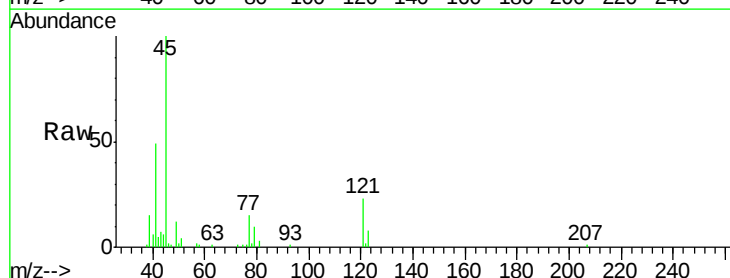
RT: 8.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Tgt Ion:	45	Resp:	82587
Ion	Ratio	Lower	Upper
45	100		
77	15.4	0.0	35.5
79	10.4	0.0	32.1





#17

2-Methylphenol

Concen: 4.467 ng

RT: 8.11 min Scan# 871

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:107 Resp: 49037

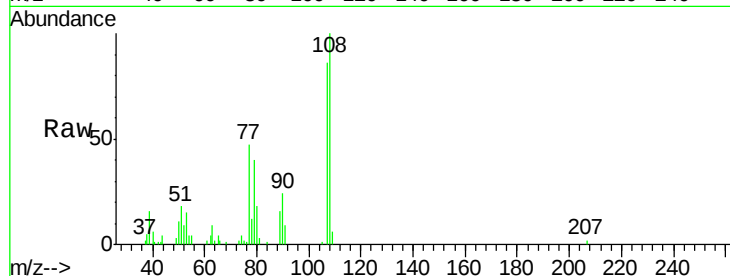
Ion Ratio Lower Upper

107 100

108 116.8 90.3 135.5

77 54.4 37.0 55.4

79 46.8 35.8 53.6

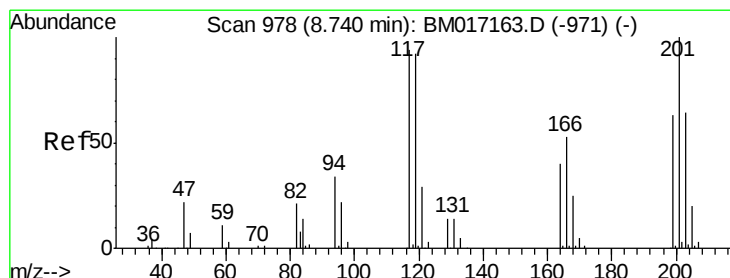
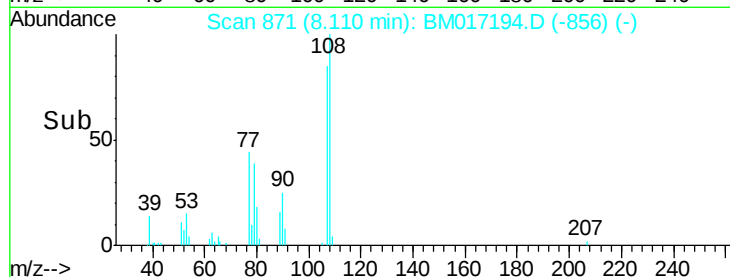
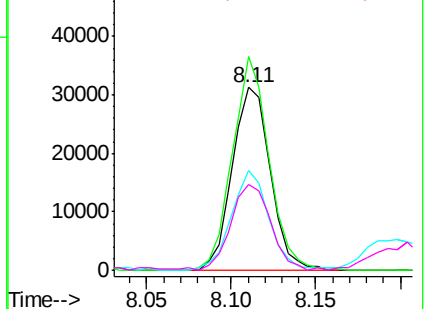


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 4.761 ng

RT: 8.73 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

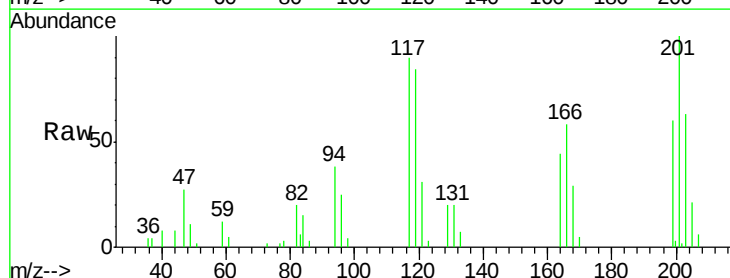
Tgt Ion:117 Resp: 26195

Ion Ratio Lower Upper

117 100

119 93.6 78.2 117.2

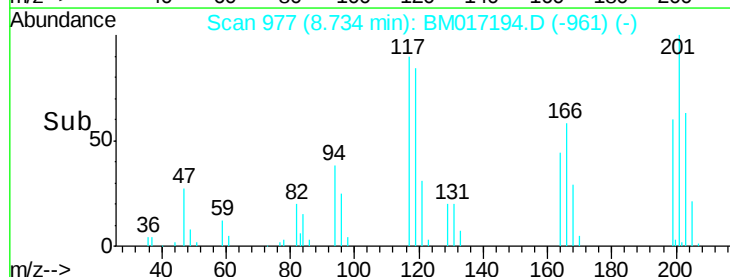
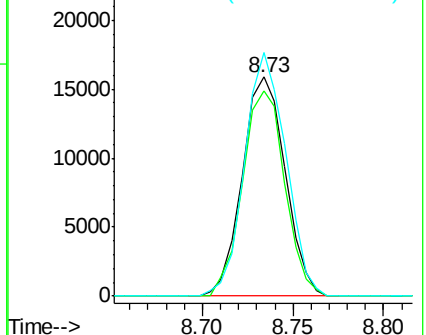
201 111.1 85.3 127.9

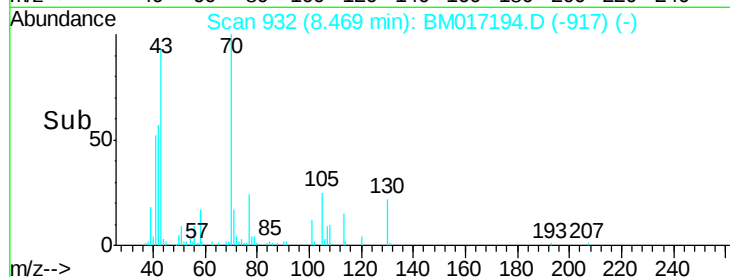
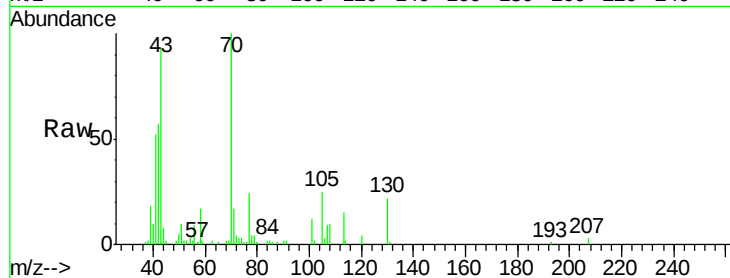
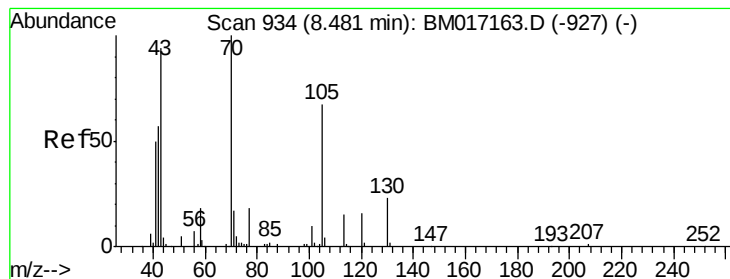


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.218 ng

RT: 8.47 min Scan# 932

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 70 Resp: 44136

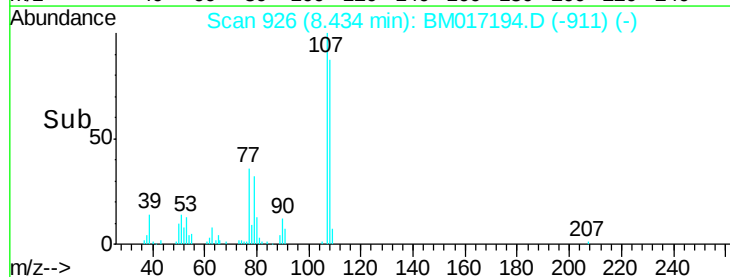
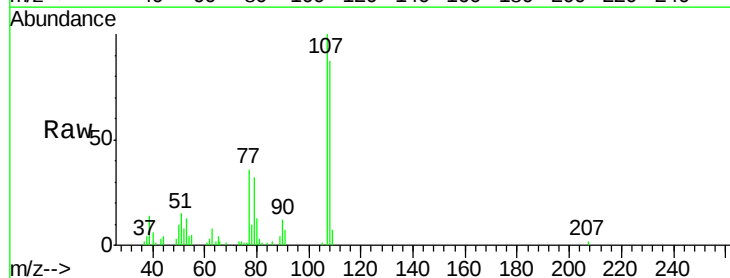
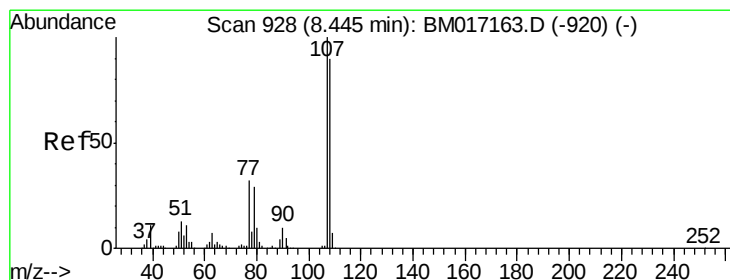
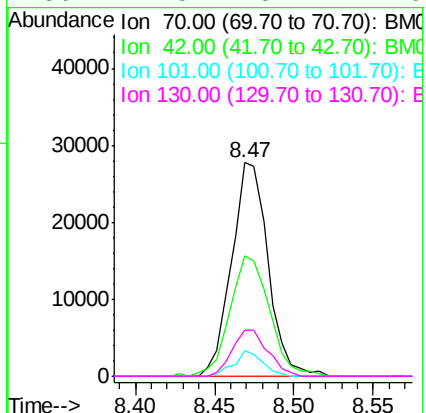
Ion Ratio Lower Upper

70 100

42 56.6 46.1 69.1

101 12.1 8.2 12.4

130 21.5 18.4 27.6



#20

3+4-Methylphenols

Concen: 4.280 ng

RT: 8.43 min Scan# 926

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Tgt Ion: 107 Resp: 64253

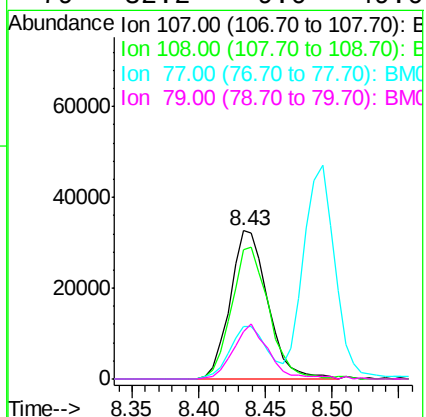
Ion Ratio Lower Upper

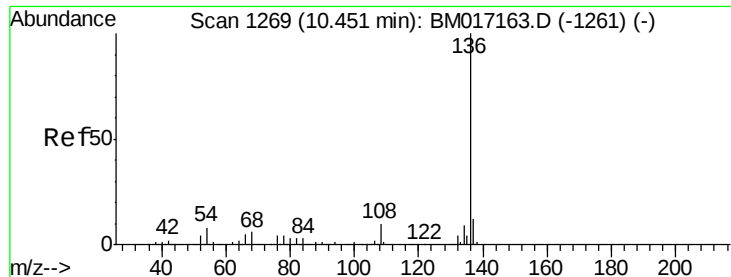
107 100

108 87.0 69.9 109.9

77 35.8 12.2 52.2

79 32.2 9.0 49.0

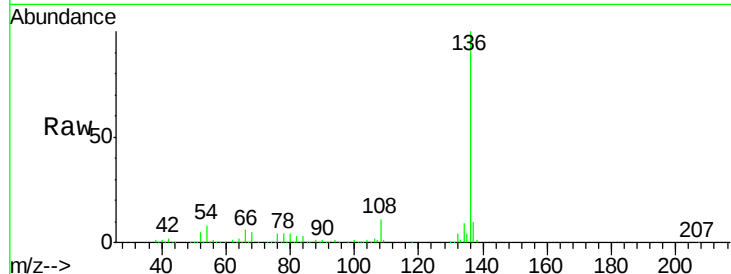




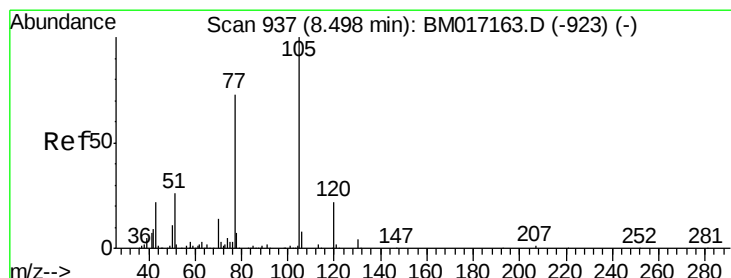
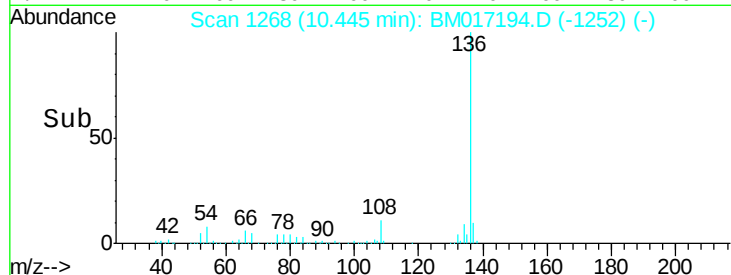
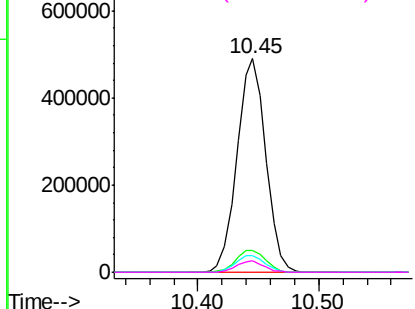
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.45 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

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

Tgt Ion:	136	Resp:	812810
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	7.6	6.7	10.1
68	5.2	4.7	7.1

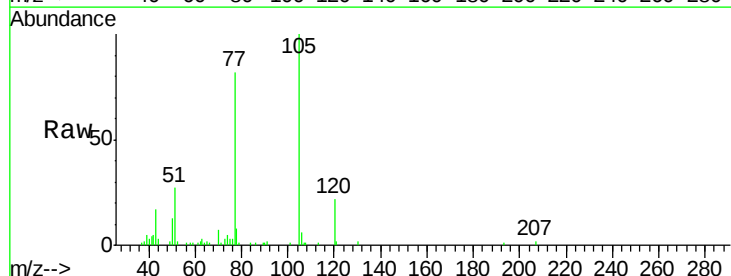


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

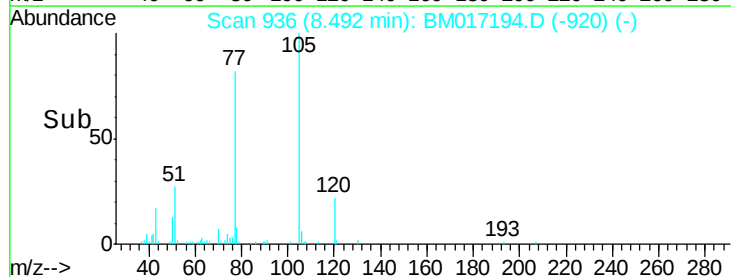
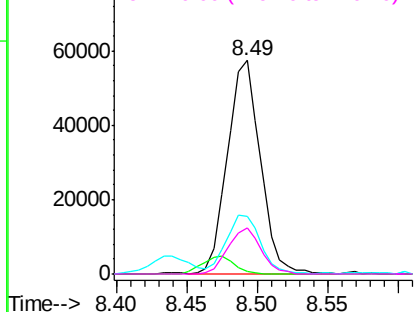


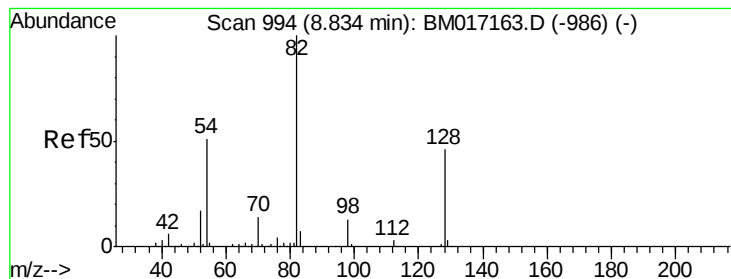
#22
Acetophenone
Concen: 4.544 ng
RT: 8.49 min Scan# 936
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:	105	Resp:	93622
Ion	Ratio	Lower	Upper
105	100		
71	1.0	2.0	3.0#
51	27.2	20.6	31.0
120	21.5	17.5	26.3



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





#23

Nitrobenzene-d5

Concen: 87.249 ng

RT: 8.82 min Scan# 992

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

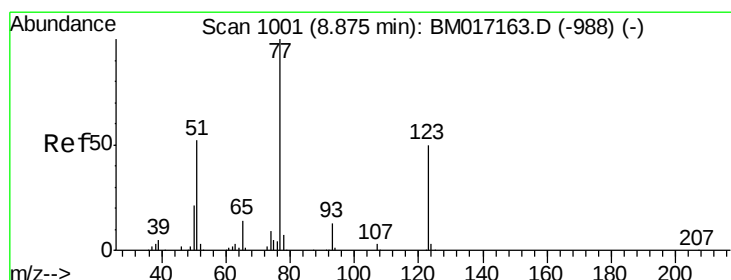
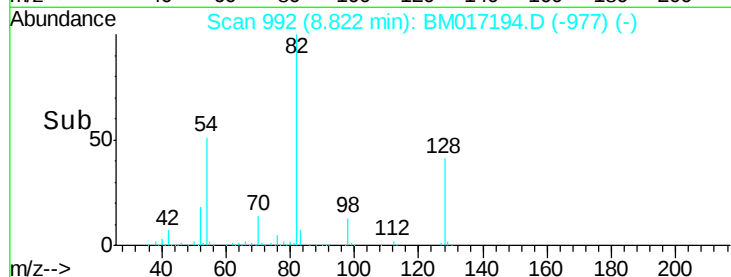
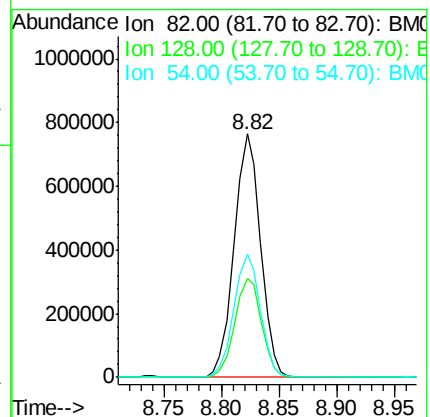
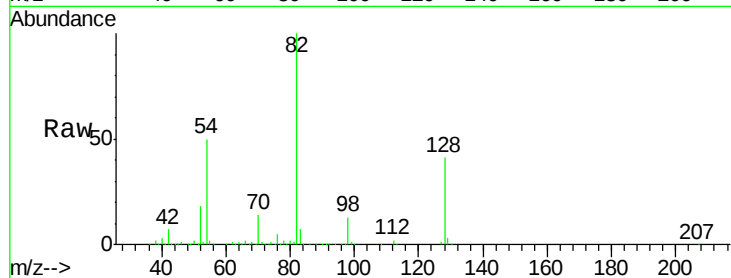
Tgt Ion: 82 Resp: 1212555

Ion Ratio Lower Upper

82 100

128 40.8 37.0 55.6

54 50.4 40.7 61.1



#24

Nitrobenzene

Concen: 5.257 ng

RT: 8.86 min Scan# 999

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

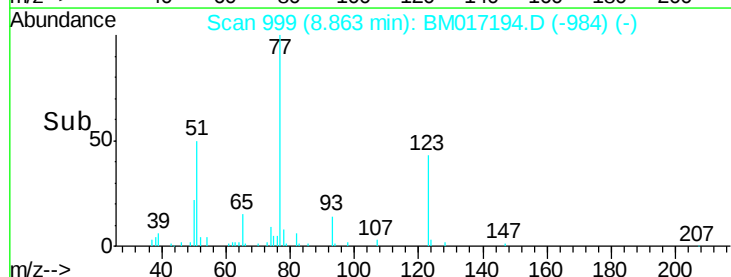
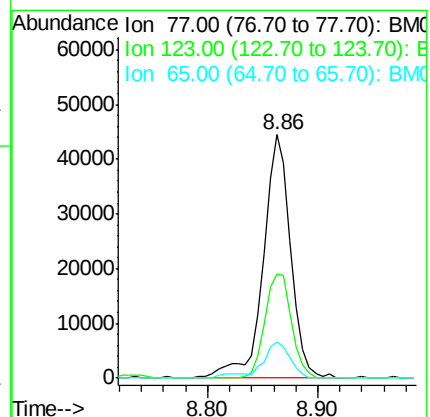
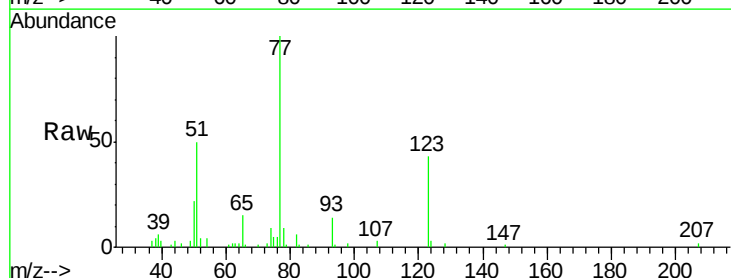
Tgt Ion: 77 Resp: 77275

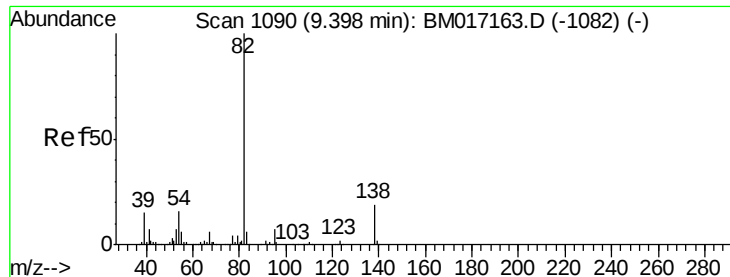
Ion Ratio Lower Upper

77 100

123 42.5 40.2 60.4

65 14.7 11.4 17.0





#25

Isophorone

Concen: 5.074 ng

RT: 9.39 min Scan# 1088

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

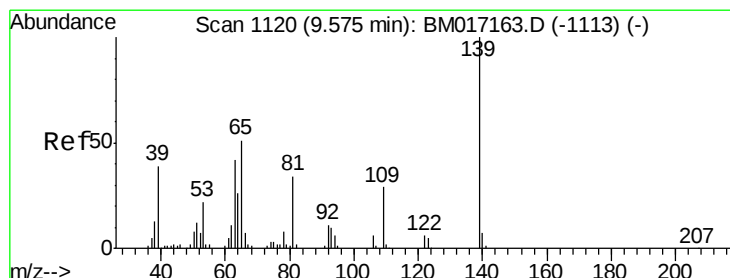
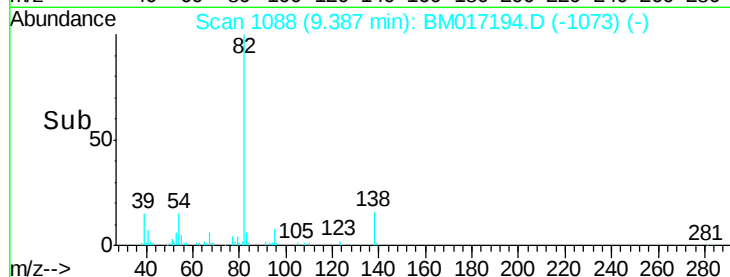
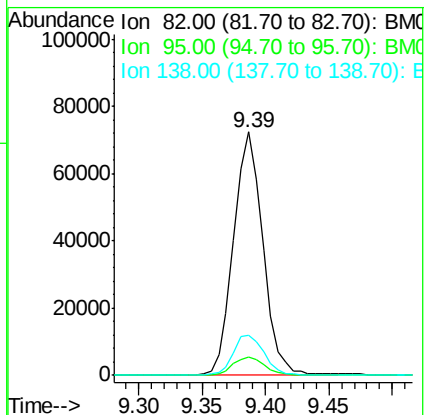
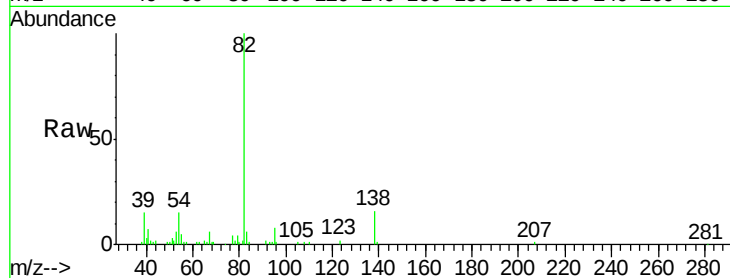
Tgt Ion: 82 Resp: 116437

Ion Ratio Lower Upper

82 100

95 7.5 6.0 9.0

138 16.4 15.4 23.2



#26

2-Nitrophenol

Concen: 9.045 ng

RT: 9.57 min Scan# 1119

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

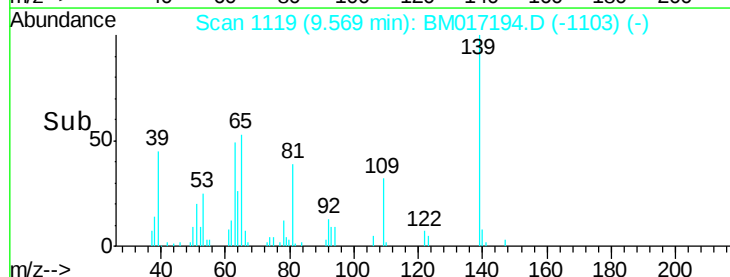
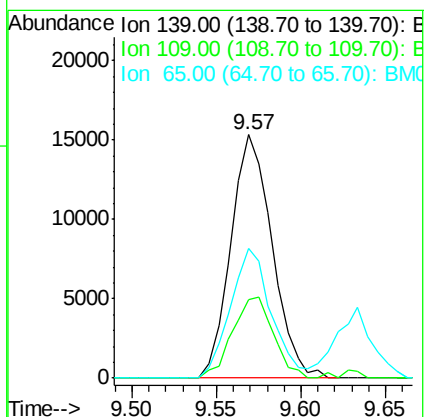
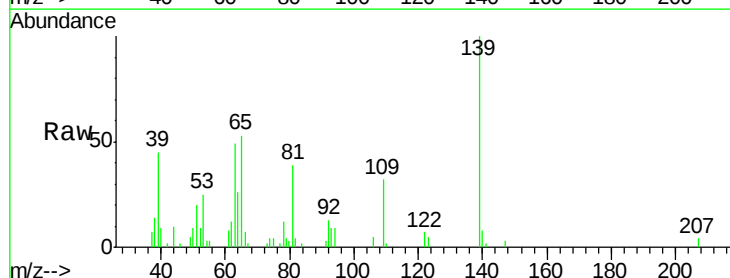
Tgt Ion: 139 Resp: 26093

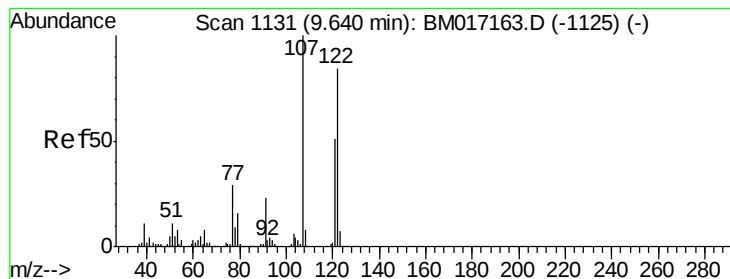
Ion Ratio Lower Upper

139 100

109 32.3 23.2 34.8

65 53.5 40.6 61.0





#27

2,4-Dimethylphenol

Concen: 5.137 ng

RT: 9.63 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

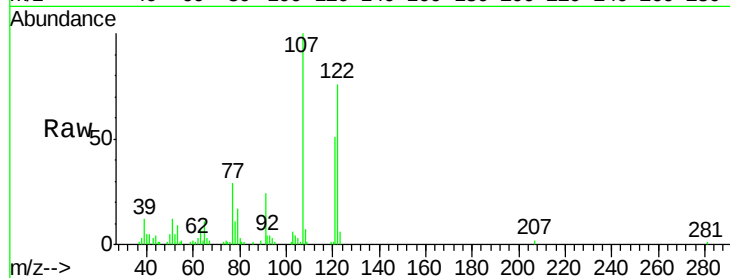
Tgt Ion:122 Resp: 52125

Ion Ratio Lower Upper

122 100

107 132.0 95.0 142.6

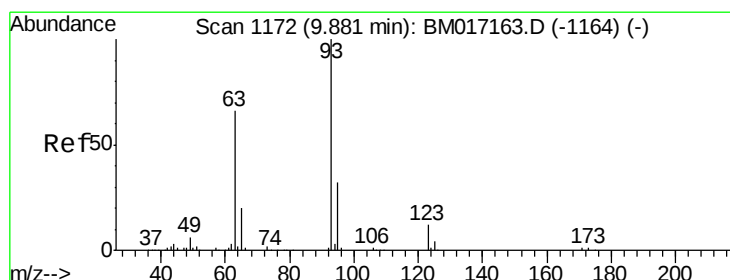
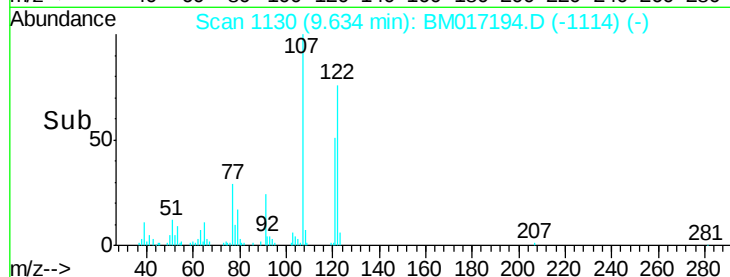
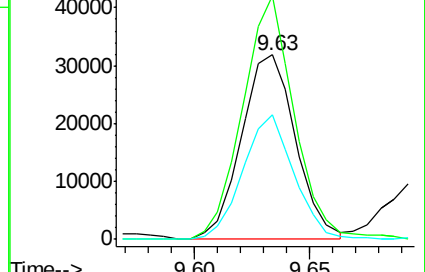
121 67.2 48.2 72.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 4.781 ng

RT: 9.87 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

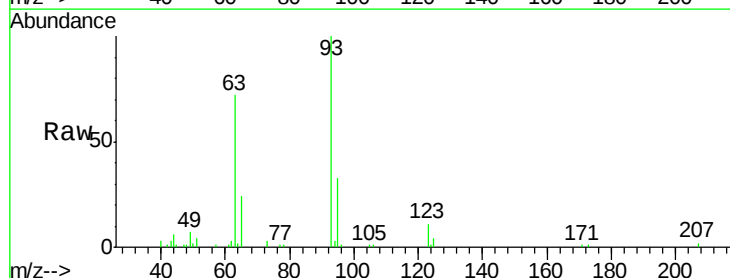
Tgt Ion: 93 Resp: 77222

Ion Ratio Lower Upper

93 100

95 33.3 25.7 38.5

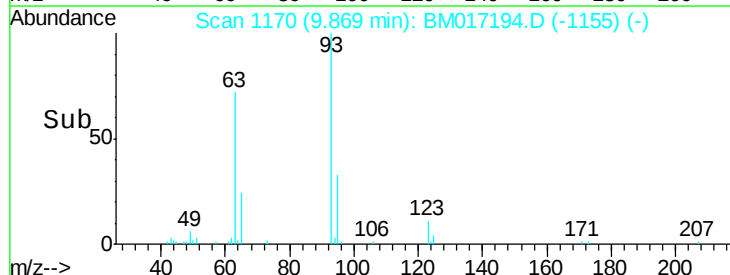
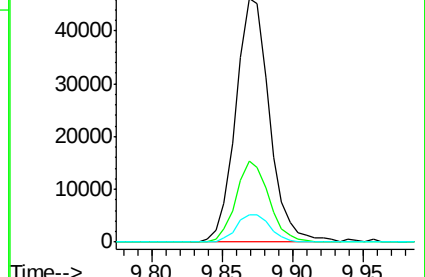
123 11.0 9.4 14.0

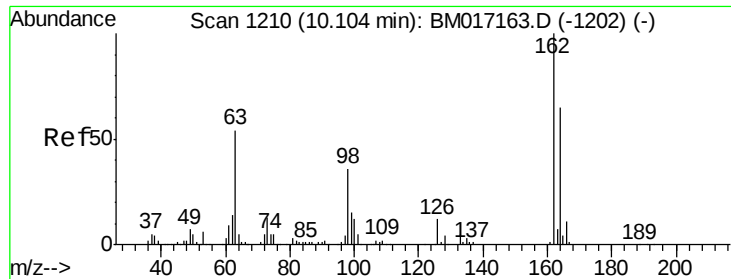


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

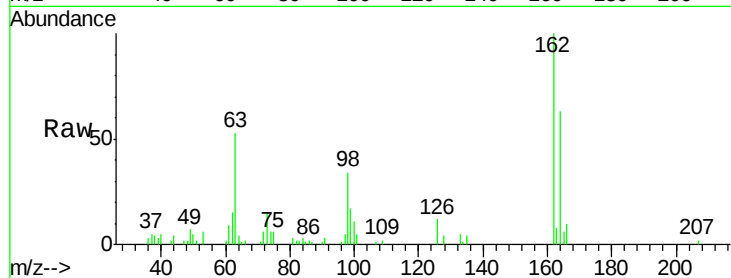




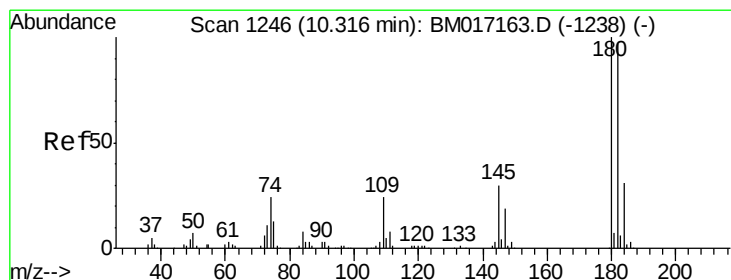
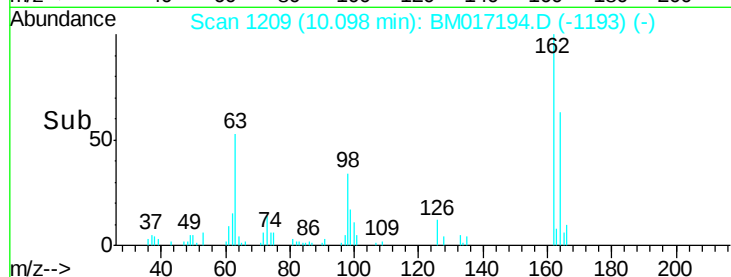
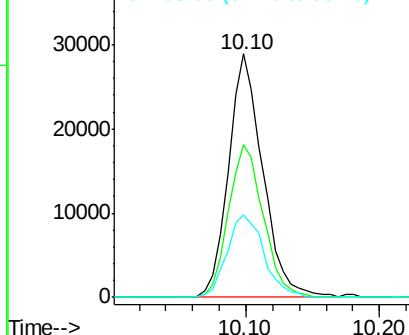
#29
2,4-Dichlorophenol
Concen: 4.382 ng
RT: 10.10 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

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

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.5	44.9	84.9
98	34.0	15.8	55.8

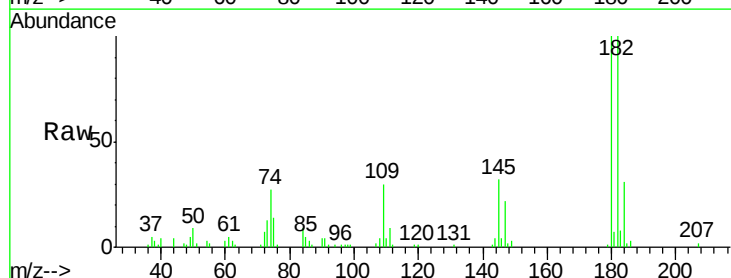


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM

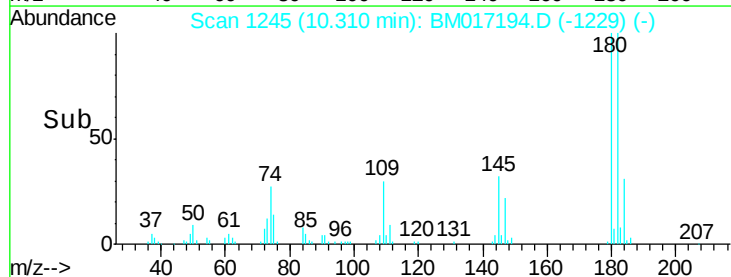
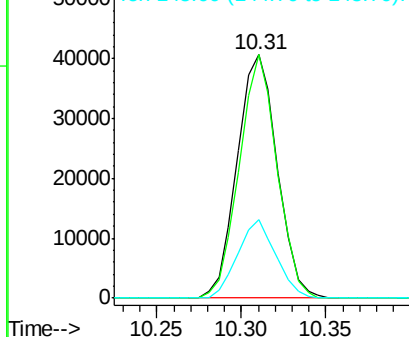


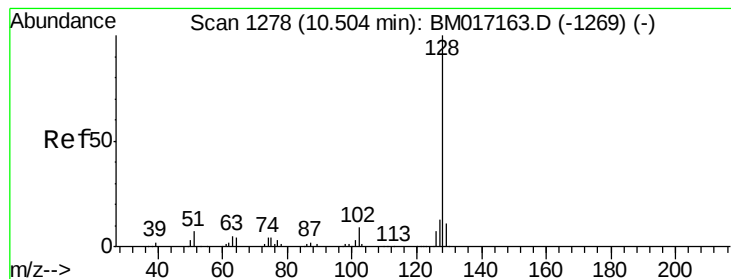
#30
1,2,4-Trichlorobenzene
Concen: 4.734 ng
RT: 10.31 min Scan# 1245
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.0	77.5	116.3
145	32.0	24.0	36.0



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

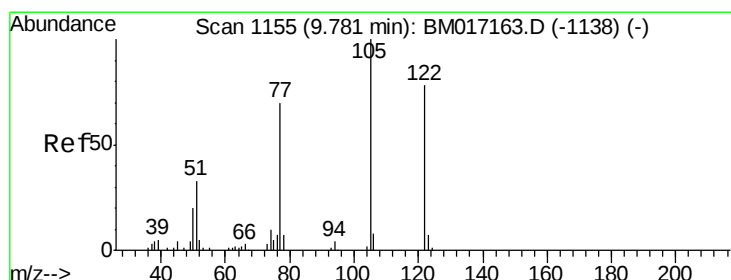
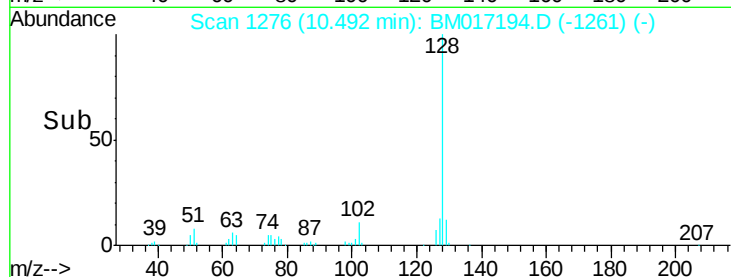
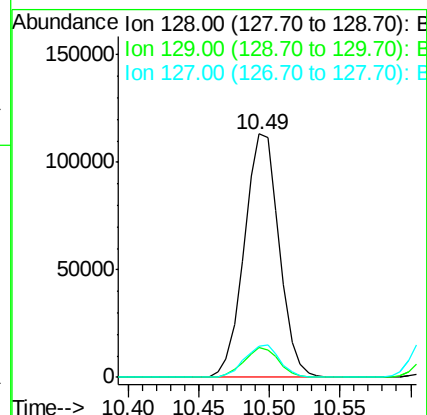
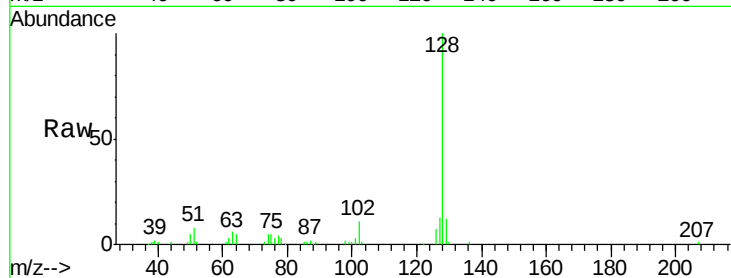




#31
Naphthalene
Concen: 4.903 ng
RT: 10.49 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

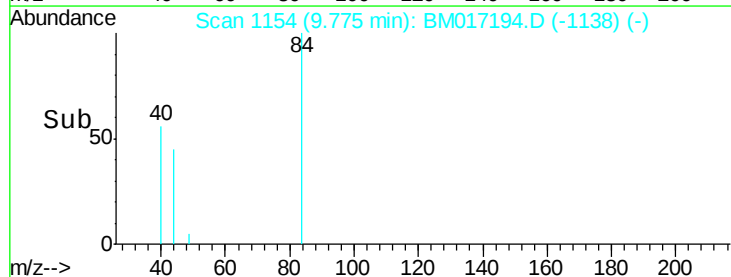
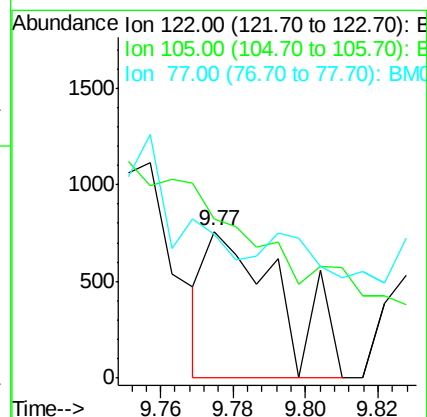
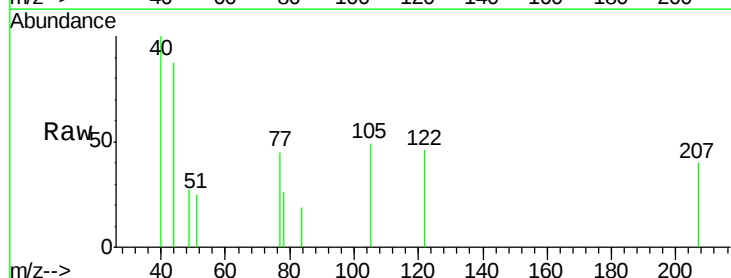
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:128 Resp: 195280
Ion Ratio Lower Upper
128 100
129 12.4 8.5 12.7
127 12.9 10.3 15.5



#32
Benzoic acid
Concen: 0.142 ng
RT: 9.77 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:122 Resp: 1076
Ion Ratio Lower Upper
122 100
105 108.6 102.0 142.0
77 98.4 67.7 107.7

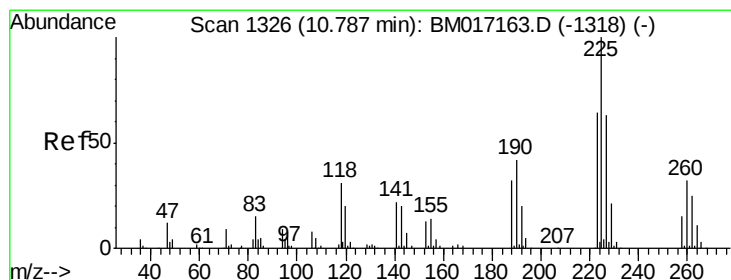
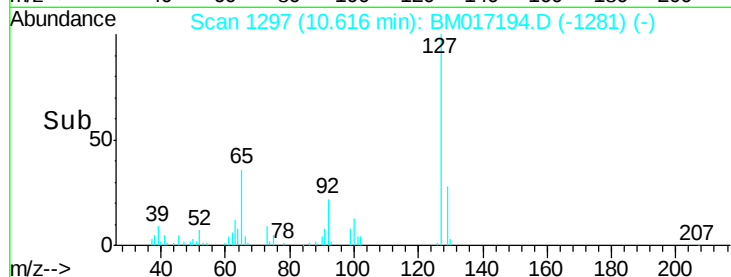
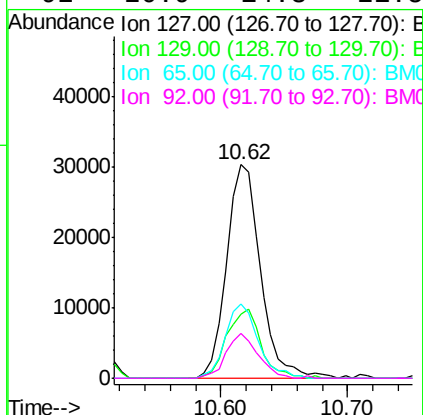
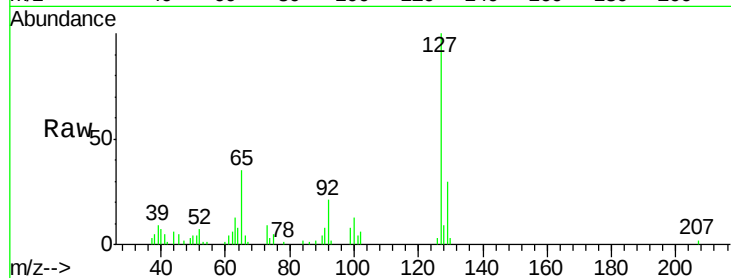




#33
4-Chloroaniline
Concen: 3.267 ng
RT: 10.62 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

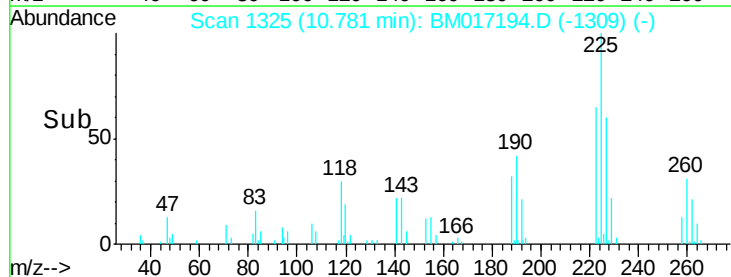
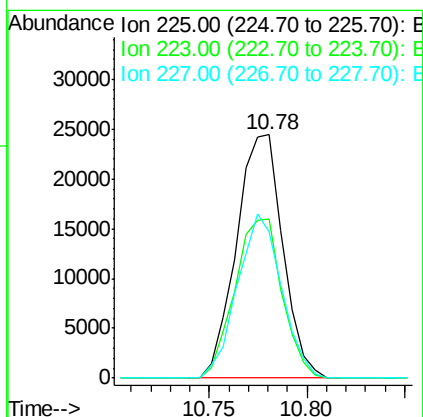
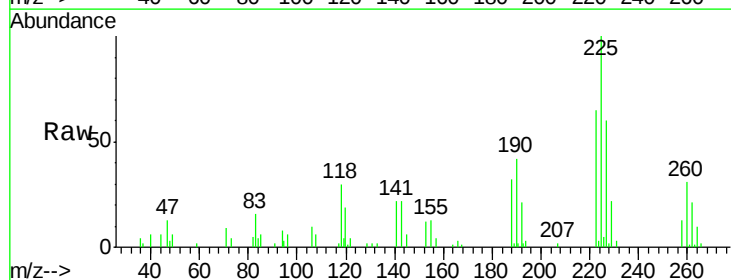
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

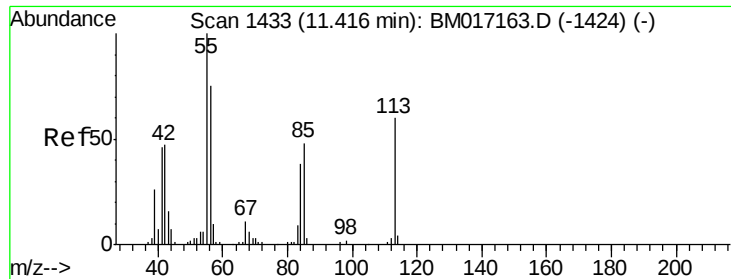
Tgt Ion:	127	Resp:	56206
Ion	Ratio	Lower	Upper
127	100		
129	30.1	26.2	39.4
65	34.7	23.7	35.5
92	20.9	14.3	21.5



#34
Hexachlorobutadiene
Concen: 4.488 ng
RT: 10.78 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:	225	Resp:	40188
Ion	Ratio	Lower	Upper
225	100		
223	65.1	51.0	76.6
227	62.3	50.8	76.2

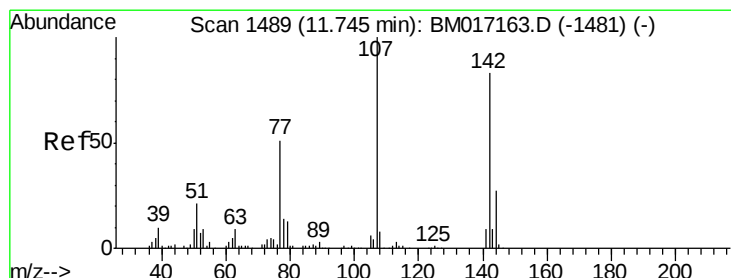
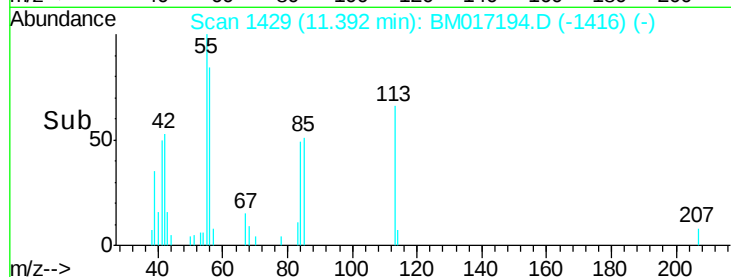
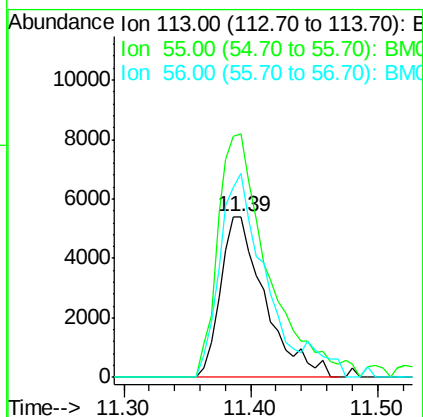
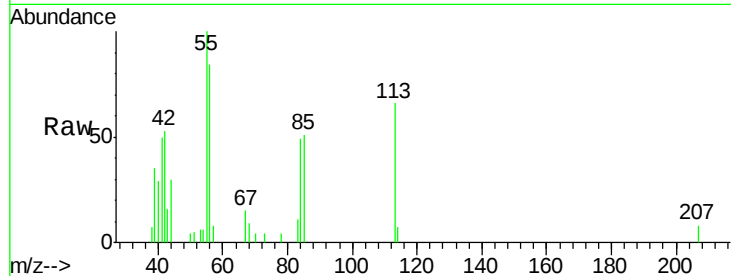




#35
 Caprolactam
 Concen: 3.057 ng
 RT: 11.39 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

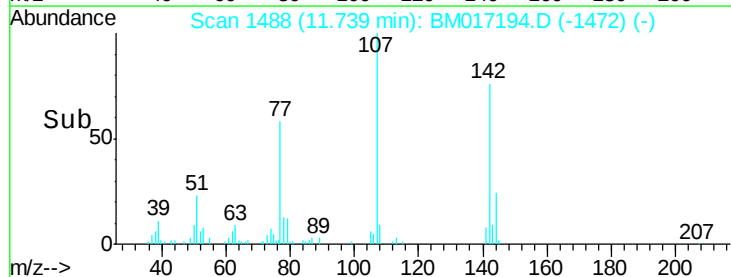
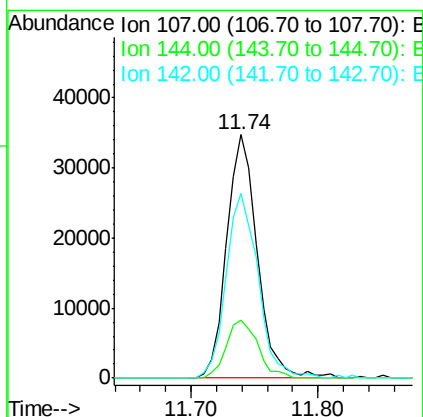
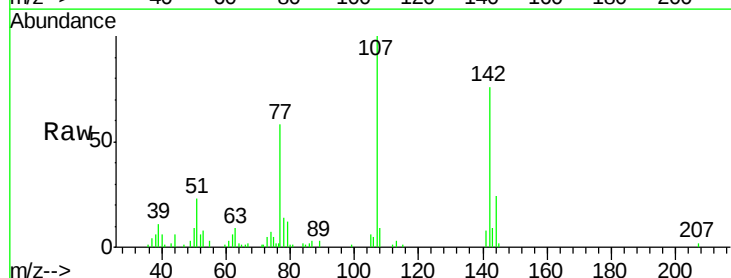
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

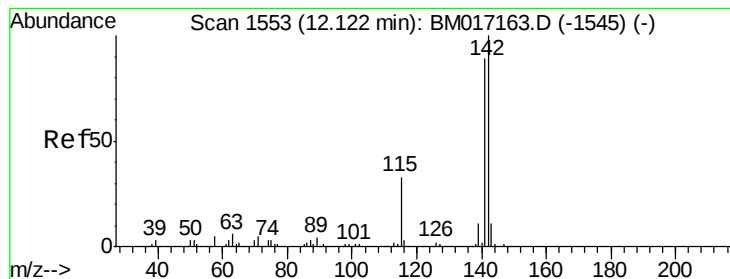
Tgt Ion:113 Resp: 13125
 Ion Ratio Lower Upper
 113 100
 55 151.5 147.0 187.0
 56 126.6 104.5 144.5



#36
 4-Chloro-3-methylphenol
 Concen: 4.372 ng
 RT: 11.74 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

Tgt Ion:107 Resp: 58058
 Ion Ratio Lower Upper
 107 100
 144 23.8 21.6 32.4
 142 75.9 66.0 99.0





#37

2-Methylnaphthalene

Concen: 5.250 ng

RT: 12.12 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

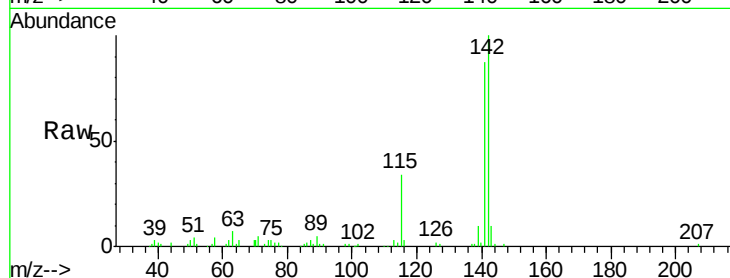
Tgt Ion:142 Resp: 143096

Ion Ratio Lower Upper

142 100

141 87.4 70.9 106.3

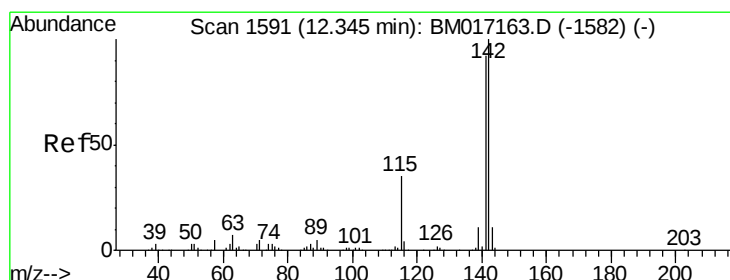
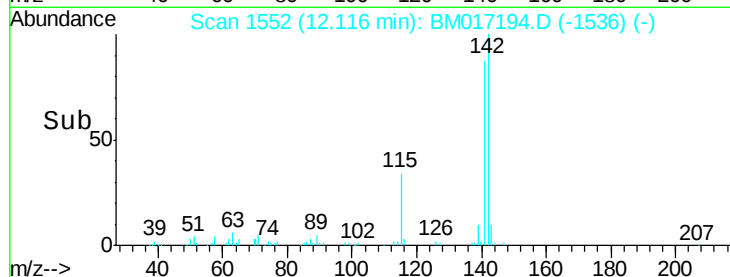
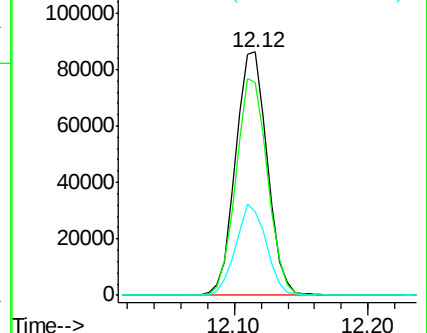
115 34.2 26.4 39.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 5.119 ng

RT: 12.33 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

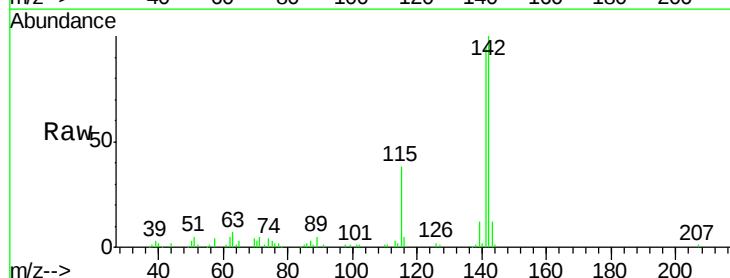
Tgt Ion:142 Resp: 135810

Ion Ratio Lower Upper

142 100

141 94.7 73.8 110.6

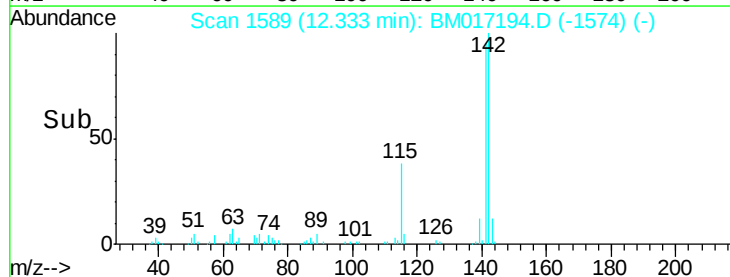
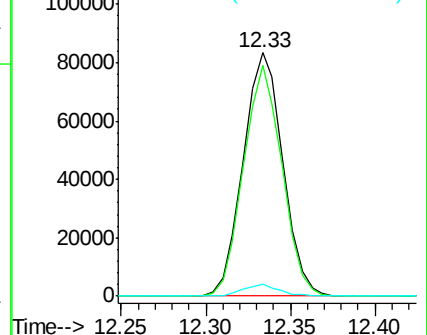
116 4.7 2.9 4.3#

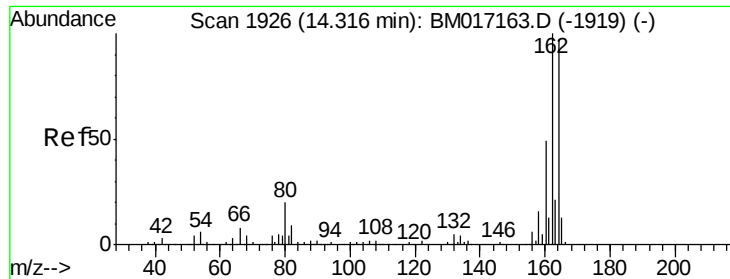


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

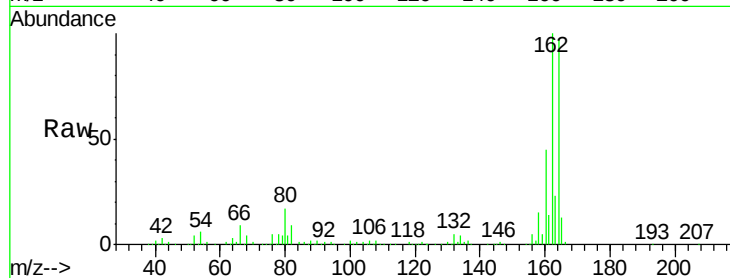
Tgt Ion:164 Resp: 464135

Ion Ratio Lower Upper

164 100

162 103.5 82.1 123.1

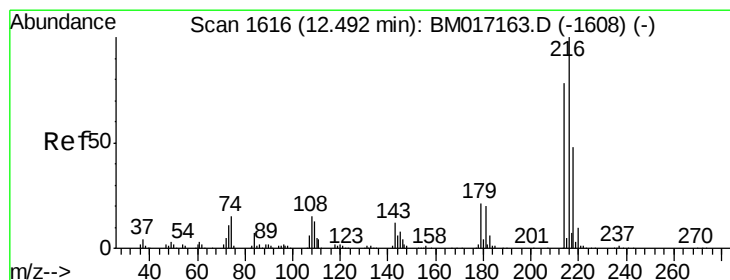
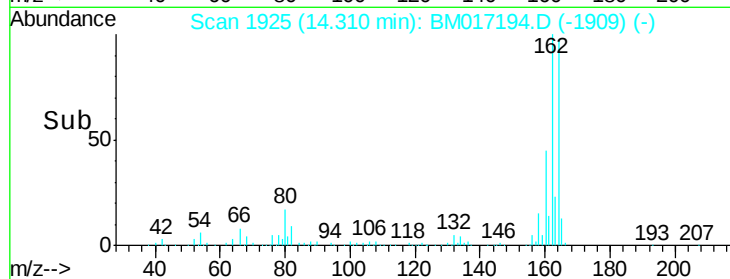
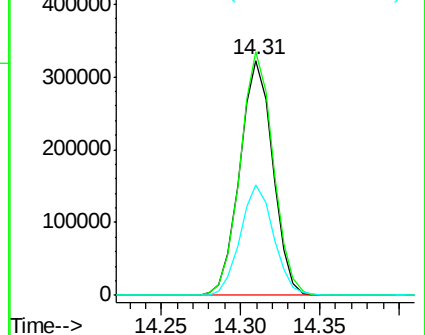
160 46.9 40.2 60.2



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: 4.560 ng

RT: 12.48 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Tgt Ion:216 Resp: 74534

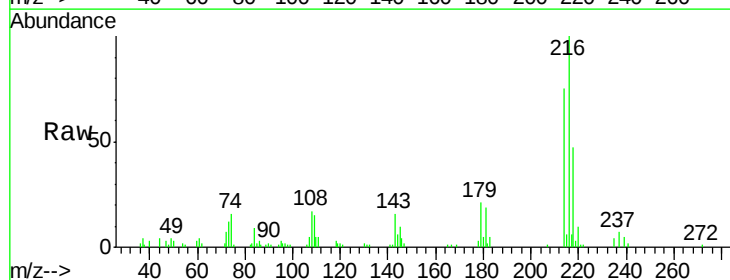
Ion Ratio Lower Upper

216 100

214 78.8 62.6 93.8

179 21.2 16.6 24.8

108 18.0 13.5 20.3

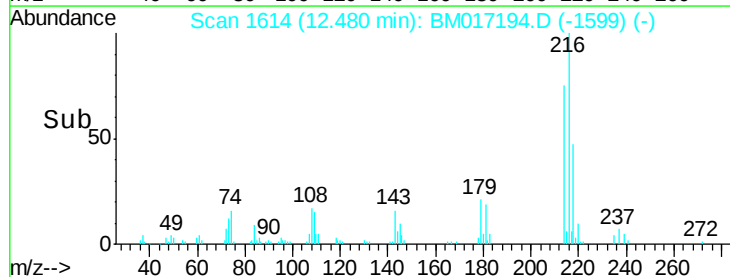
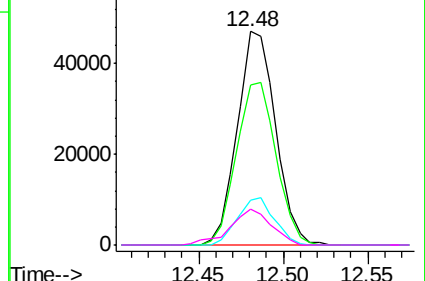


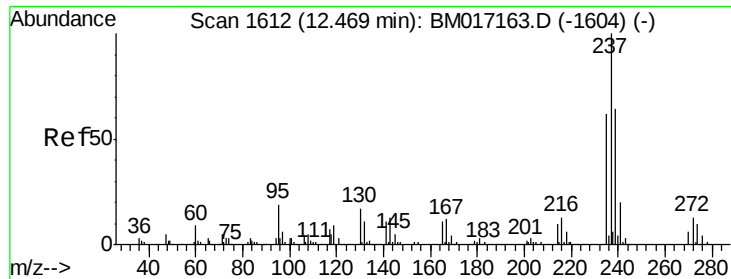
Abundance Ion 216.00 (215.70 to 216.70): E

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: 5.713 ng

RT: 12.46 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

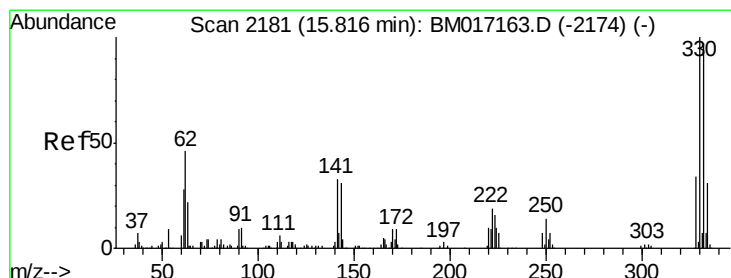
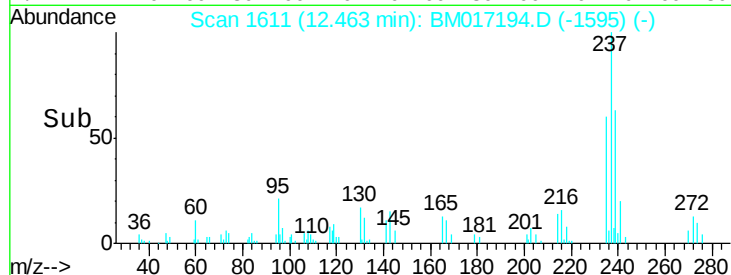
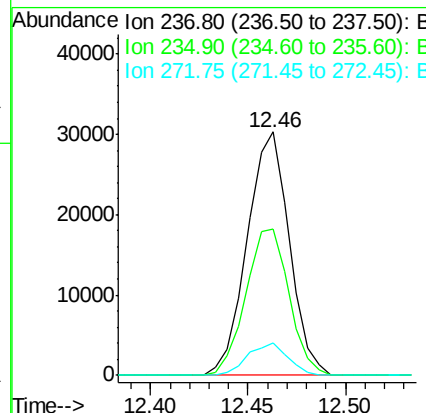
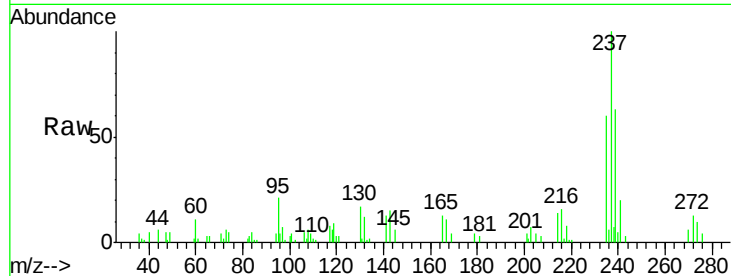
Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion:	237	Resp:	45143
Ion	Ratio	Lower	Upper
237	100		
235	60.2	42.4	82.4
272	13.2	0.0	33.0



#42

2,4,6-Tribromophenol

Concen: 141.775 ng

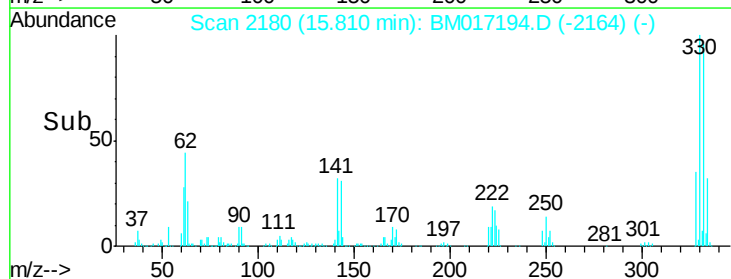
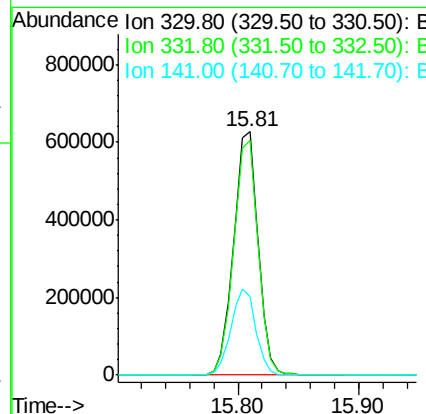
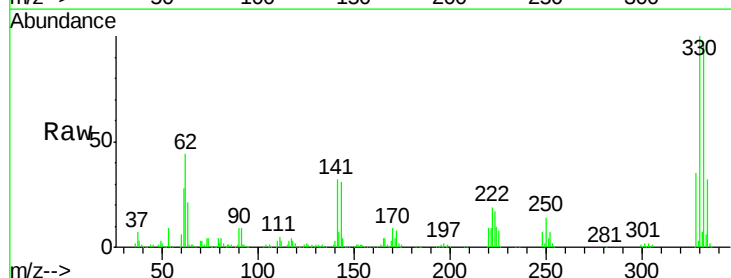
RT: 15.81 min Scan# 2180

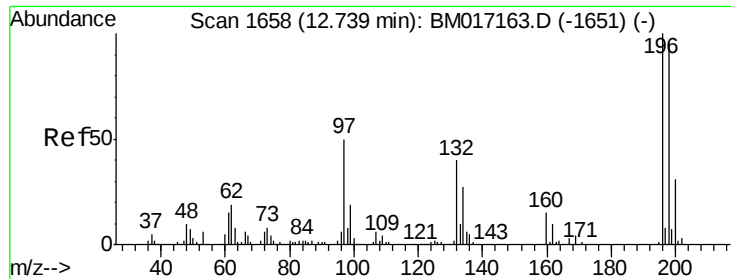
Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Tgt Ion:	330	Resp:	889888
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	35.7	27.4	41.0

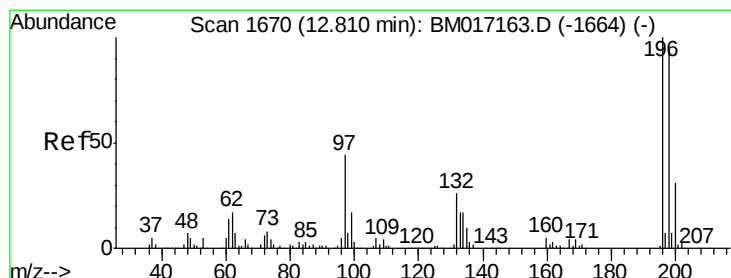
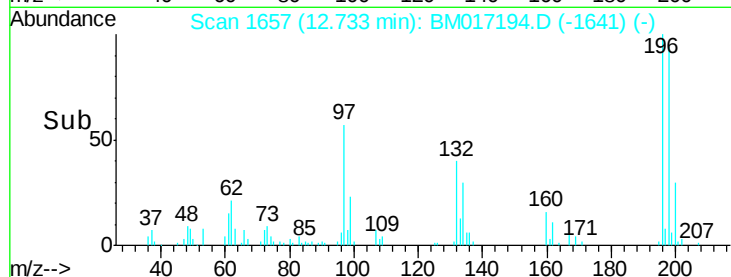
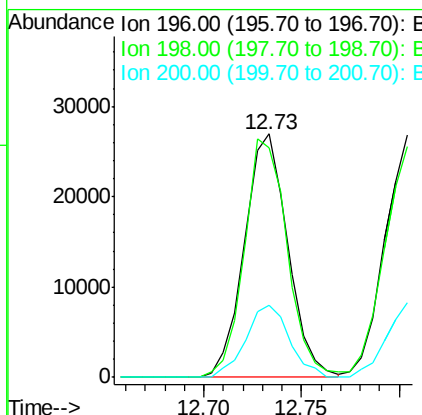
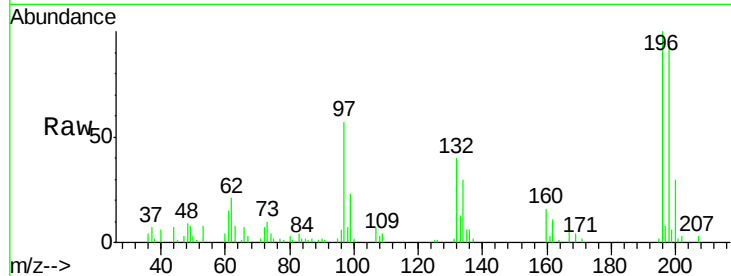




#43
 2,4,6-Trichlorophenol
 Concen: 4.388 ng
 RT: 12.73 min Scan# 1657
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

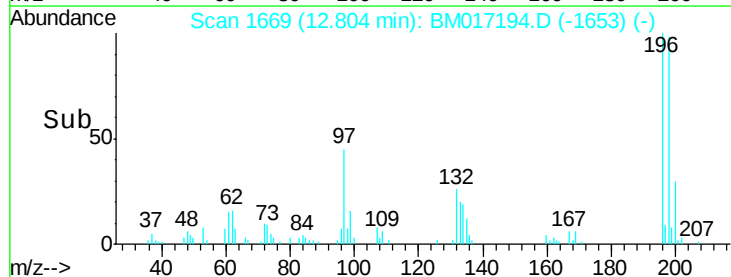
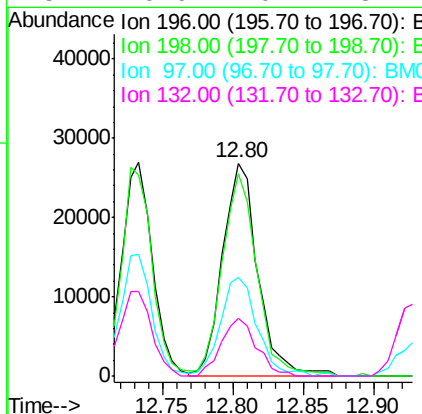
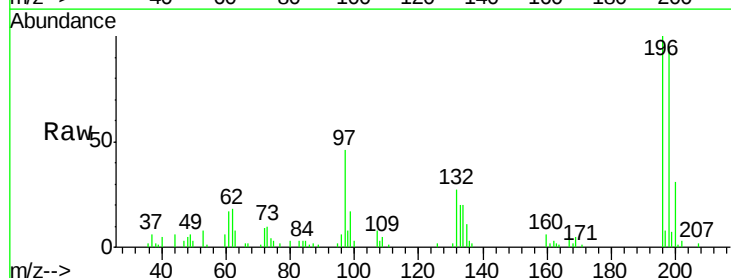
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

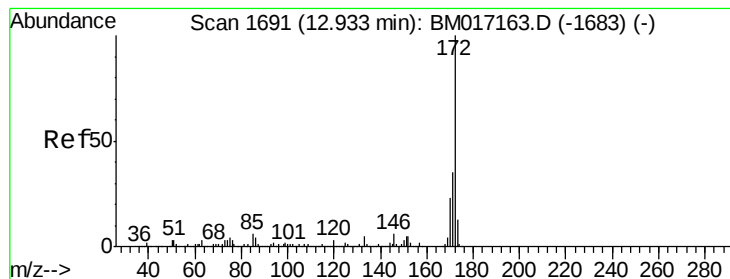
Tgt Ion:196 Resp: 41634
 Ion Ratio Lower Upper
 196 100
 198 94.0 77.1 115.7
 200 29.8 25.0 37.4



#44
 2,4,5-Trichlorophenol
 Concen: 4.611 ng
 RT: 12.80 min Scan# 1669
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

Tgt Ion:196 Resp: 46919
 Ion Ratio Lower Upper
 196 100
 198 95.0 76.6 115.0
 97 46.2 35.5 53.3
 132 26.9 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 83.238 ng

RT: 12.93 min Scan# 1690

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

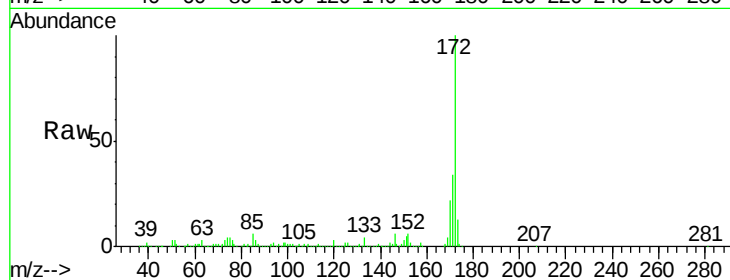
Tgt Ion:172 Resp: 2903587

Ion Ratio Lower Upper

172 100

171 34.4 28.3 42.5

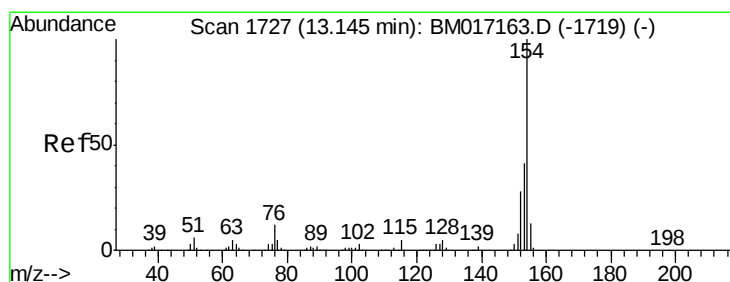
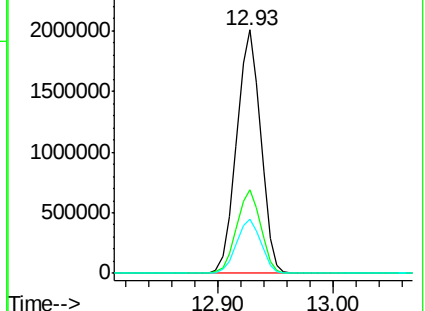
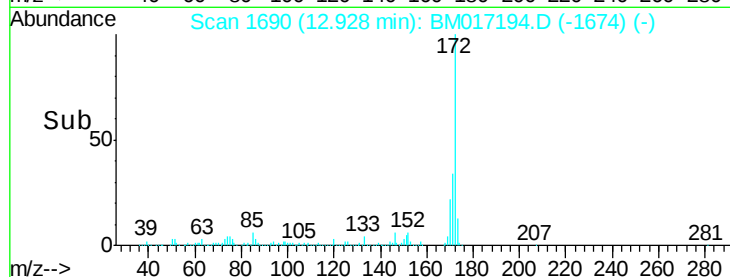
170 22.4 18.3 27.5



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 4.572 ng

RT: 13.14 min Scan# 1726

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

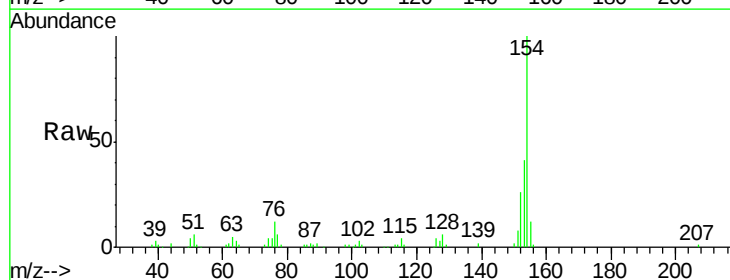
Tgt Ion:154 Resp: 190968

Ion Ratio Lower Upper

154 100

153 41.2 20.5 60.5

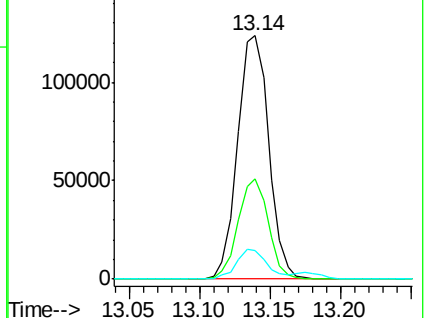
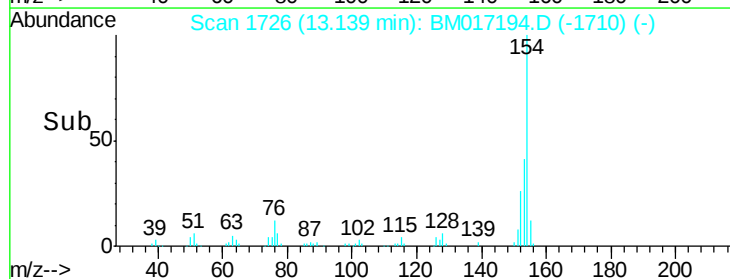
76 11.5 0.0 31.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BM

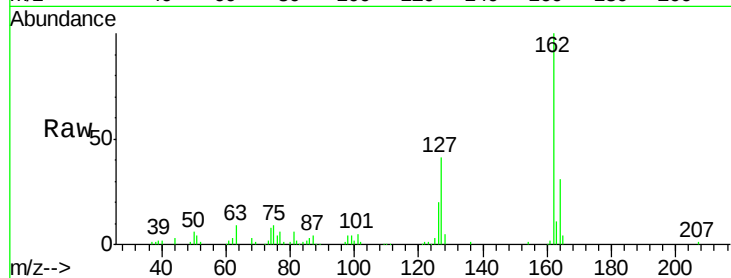




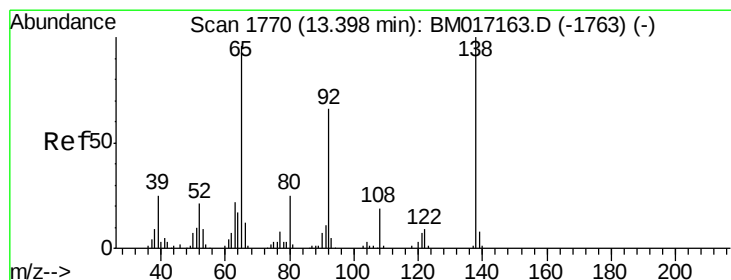
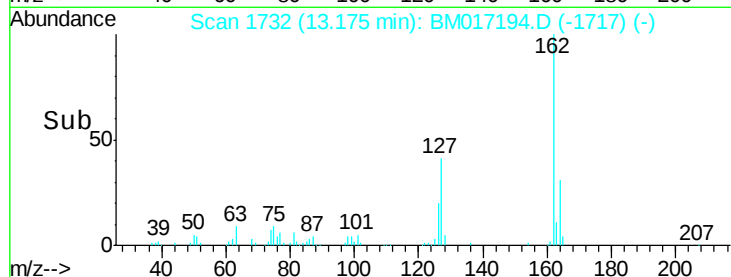
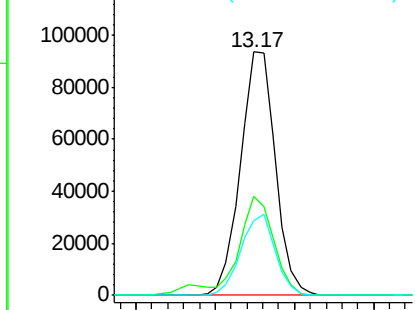
#47
2-Chloronaphthalene
Concen: 4.651 ng
RT: 13.17 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

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

Tgt Ion: 162 Resp: 142910
Ion Ratio Lower Upper
162 100
127 40.6 31.0 46.4
164 30.8 26.6 39.8

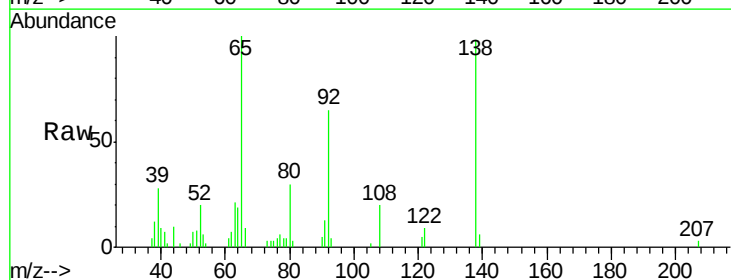


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

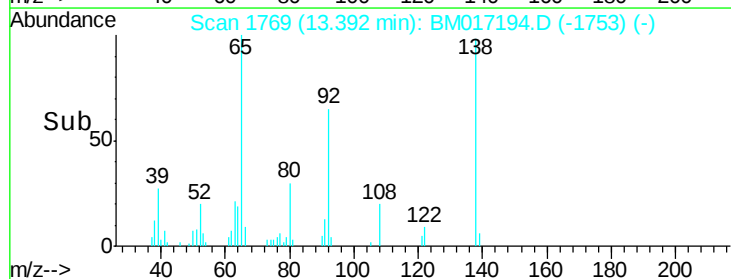
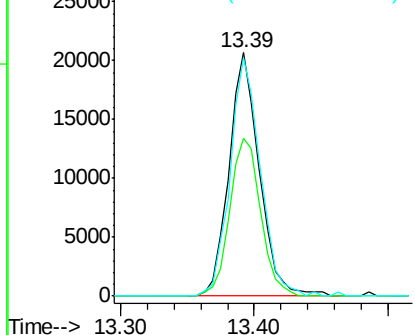


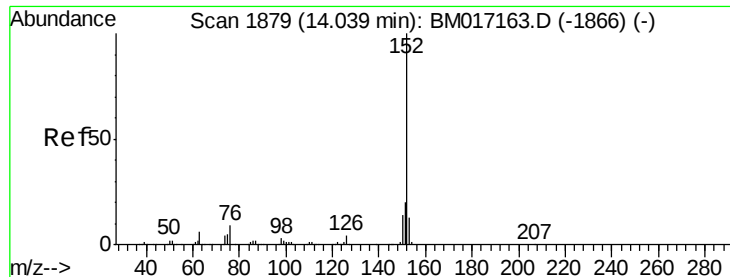
#48
2-Nitroaniline
Concen: 9.018 ng
RT: 13.39 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion: 65 Resp: 32802
Ion Ratio Lower Upper
65 100
92 65.0 54.9 82.3
138 97.8 83.7 125.5



Abundance Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 4.861 ng

RT: 14.03 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

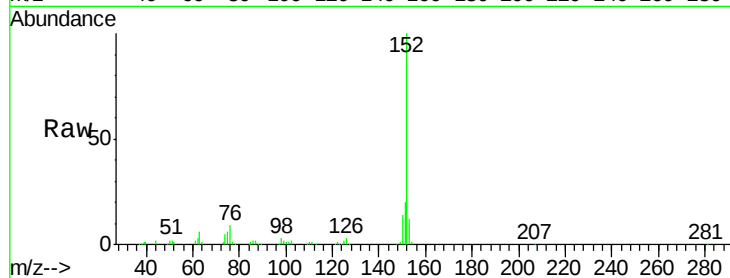
Tgt Ion:152 Resp: 216498

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

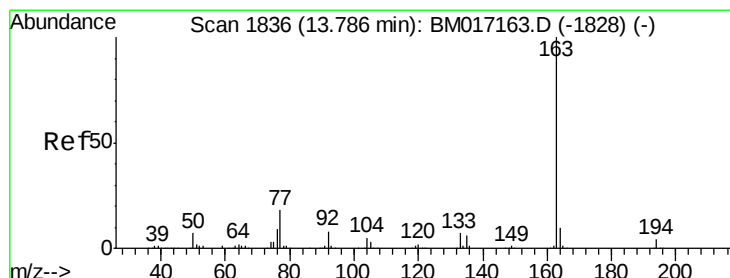
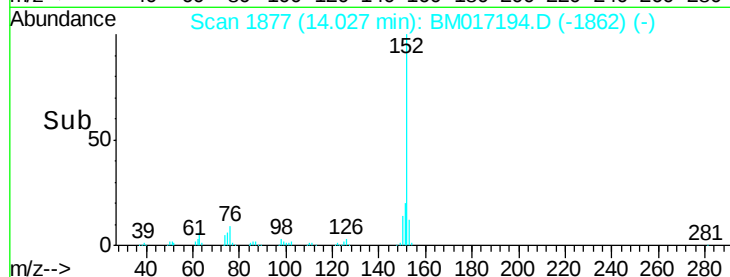
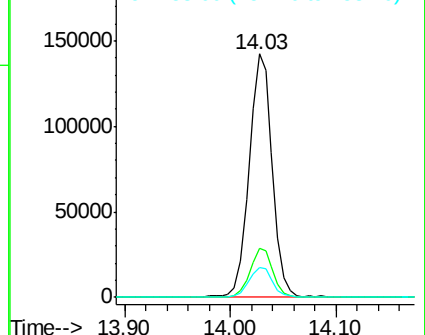
153 12.3 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.993 ng

RT: 13.77 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

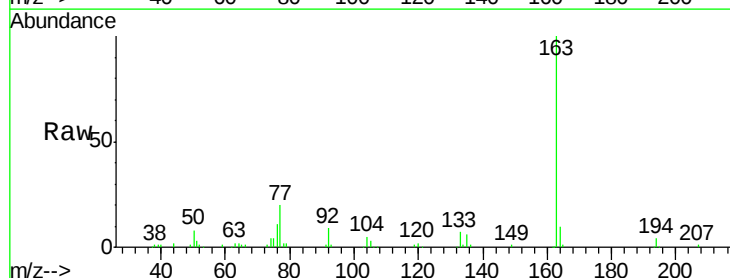
Tgt Ion:163 Resp: 178804

Ion Ratio Lower Upper

163 100

194 4.5 3.3 4.9

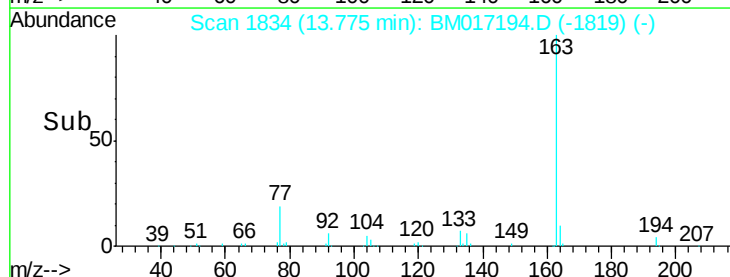
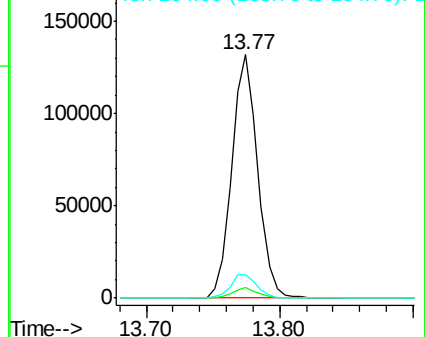
164 9.6 7.8 11.8

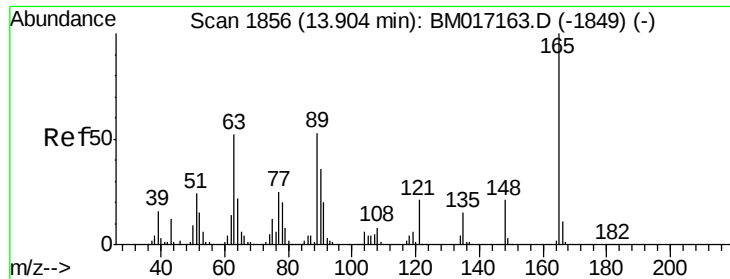


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

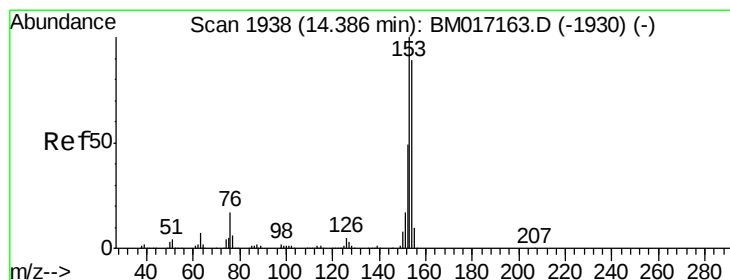
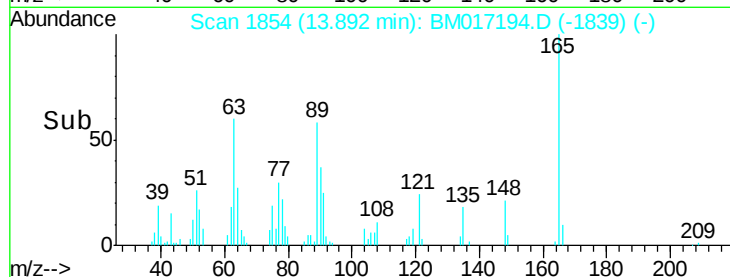
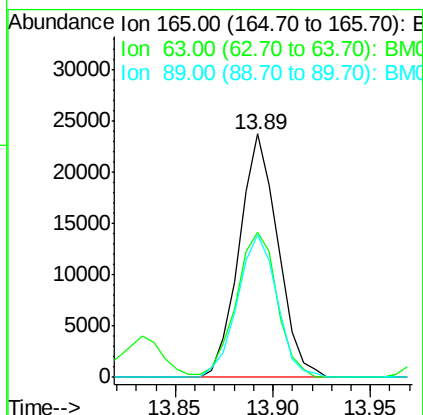
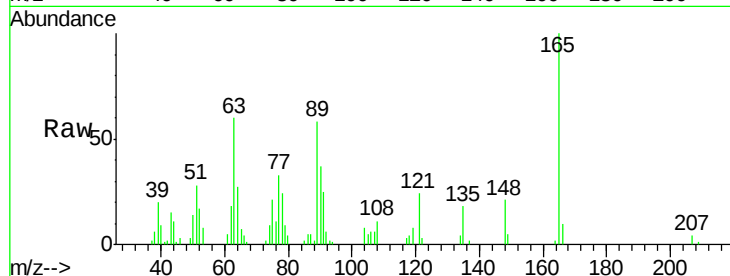




#51
 2,6-Dinitrotoluene
 Concen: 4.155 ng
 RT: 13.89 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

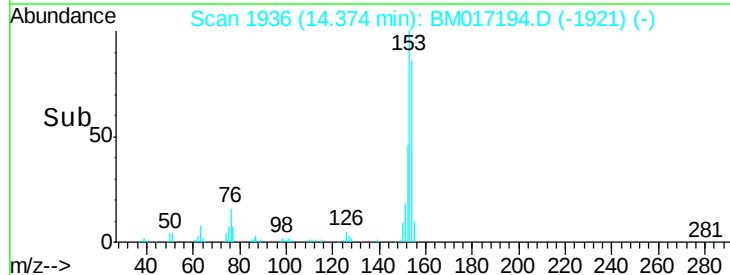
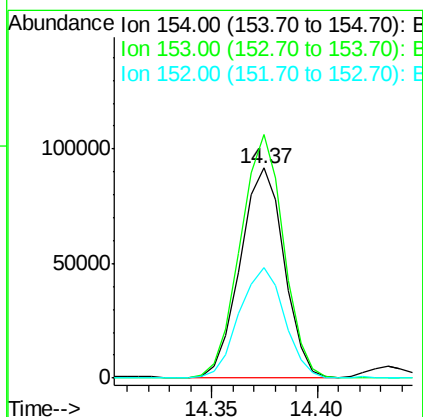
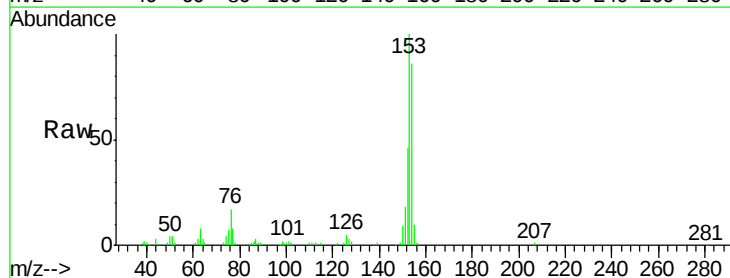
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

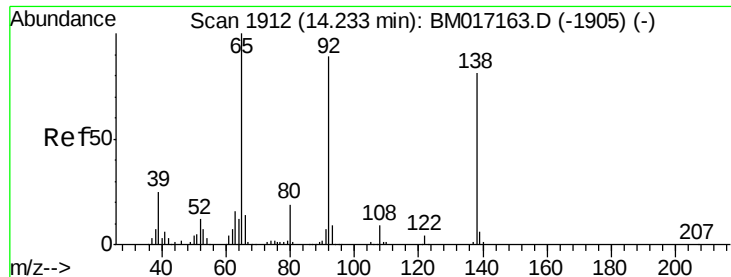
Tgt Ion:165 Resp: 32749
 Ion Ratio Lower Upper
 165 100
 63 59.7 42.7 64.1
 89 58.5 42.1 63.1



#52
 Acenaphthene
 Concen: 4.760 ng
 RT: 14.37 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

Tgt Ion:154 Resp: 133122
 Ion Ratio Lower Upper
 154 100
 153 116.0 90.2 135.2
 152 52.9 44.2 66.4

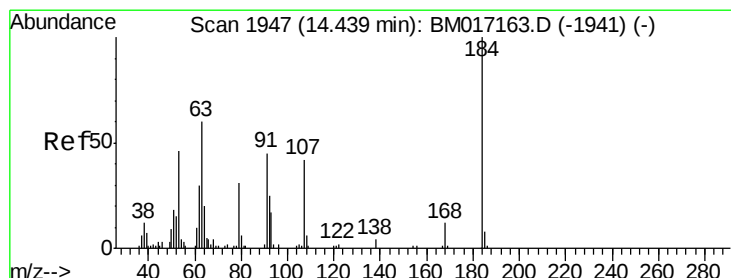
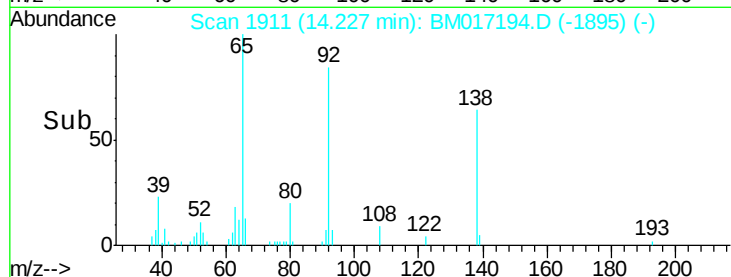
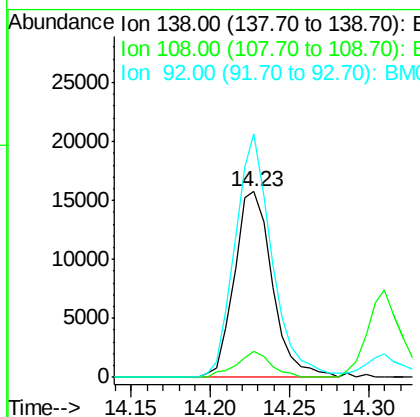
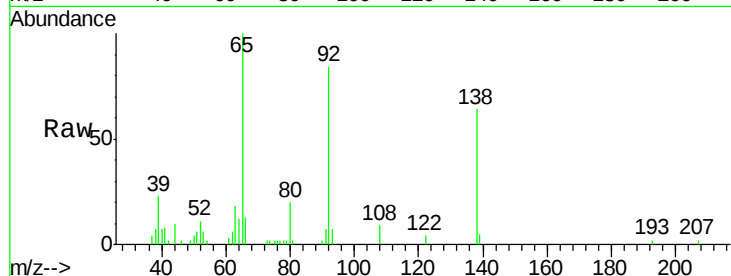




#53
3-Nitroaniline
Concen: 3.069 ng
RT: 14.23 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

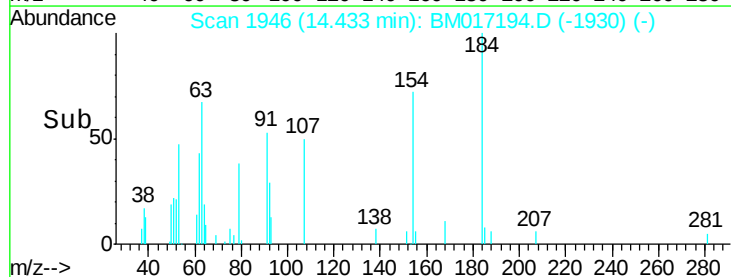
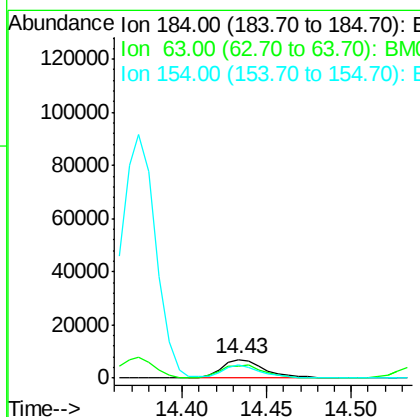
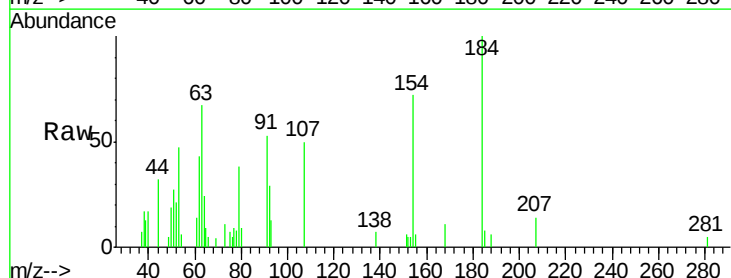
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

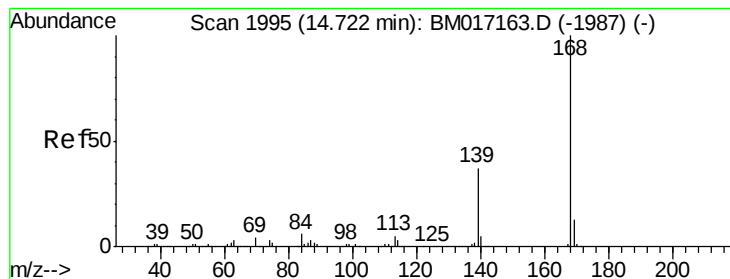
Tgt Ion:138 Resp: 26200
Ion Ratio Lower Upper
138 100
108 14.1 8.7 13.1#
92 131.0 87.9 131.9



#54
2,4-Dinitrophenol
Concen: 10.621 ng
RT: 14.43 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:184 Resp: 12339
Ion Ratio Lower Upper
184 100
63 66.6 51.2 76.8
154 72.4 47.8 71.8#





#55

Dibenzenofuran

Concen: 4.833 ng

RT: 14.71 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

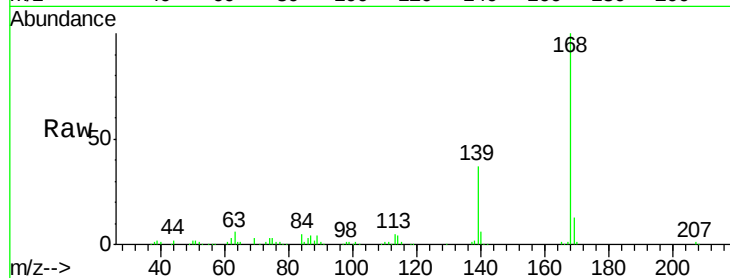
Tgt Ion:168 Resp: 224769

Ion Ratio Lower Upper

168 100

139 36.9 29.3 43.9

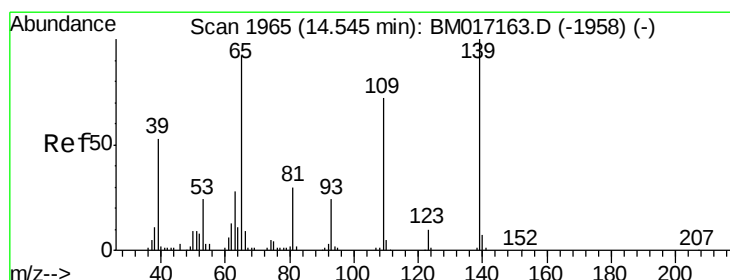
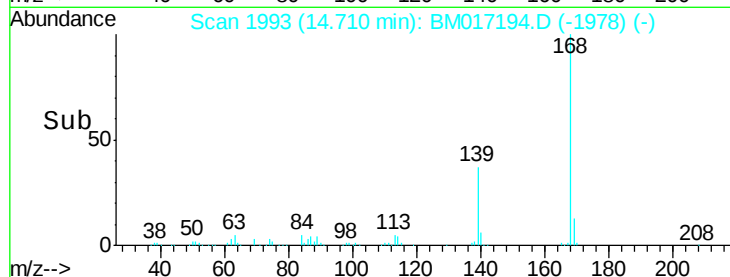
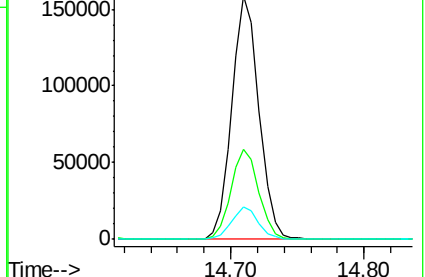
169 13.2 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 7.551 ng

RT: 14.54 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

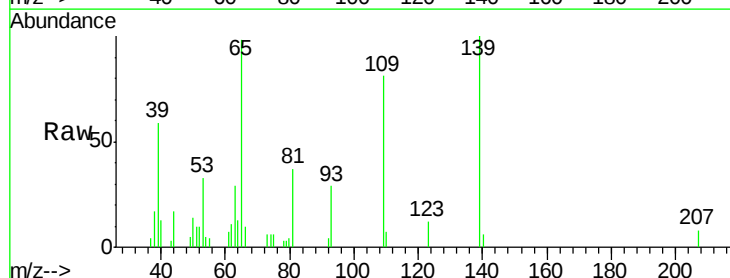
Tgt Ion:139 Resp: 23432

Ion Ratio Lower Upper

139 100

109 81.1 51.8 91.8

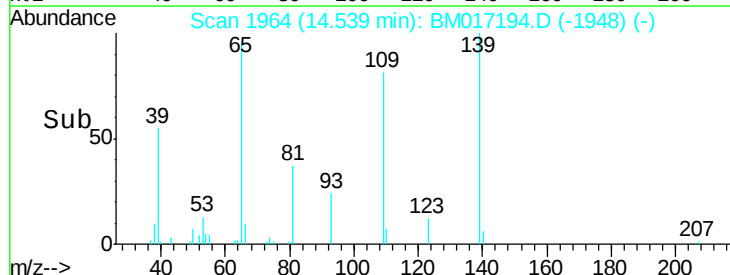
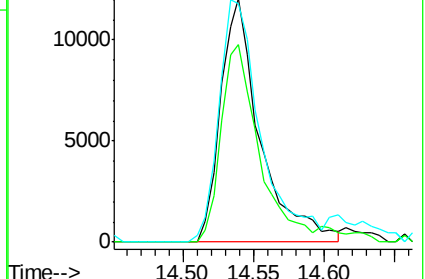
65 98.2 72.1 112.1

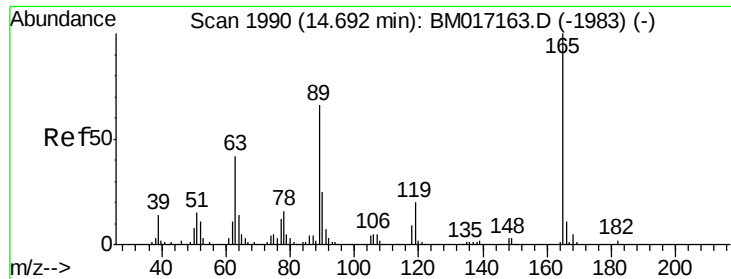


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

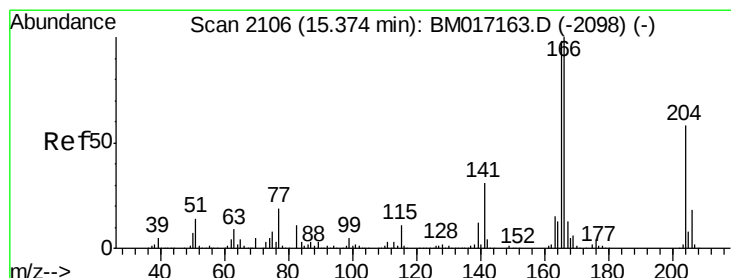
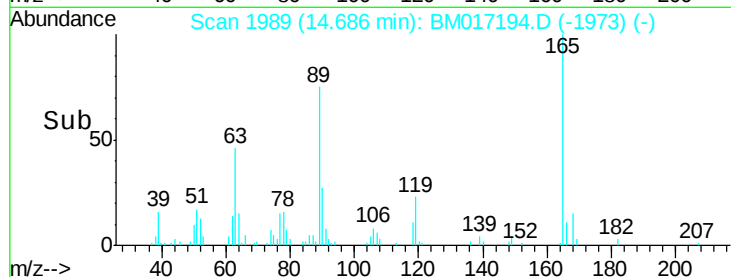
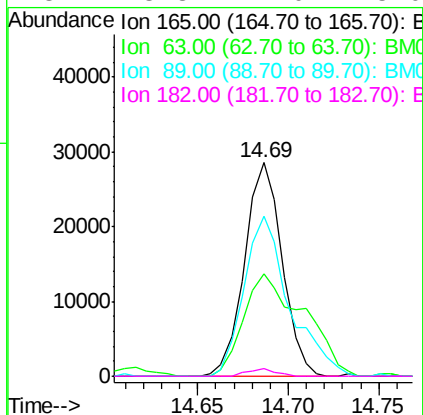
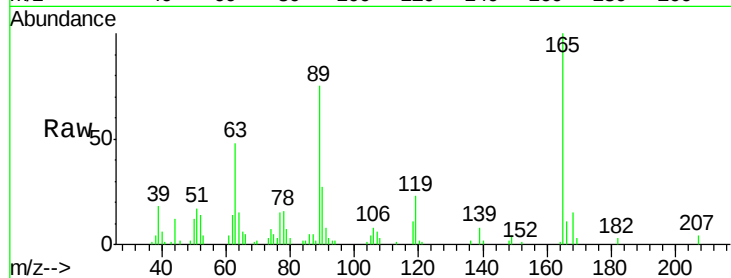




#57
2,4-Dinitrotoluene
Concen: 3.872 ng
RT: 14.69 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

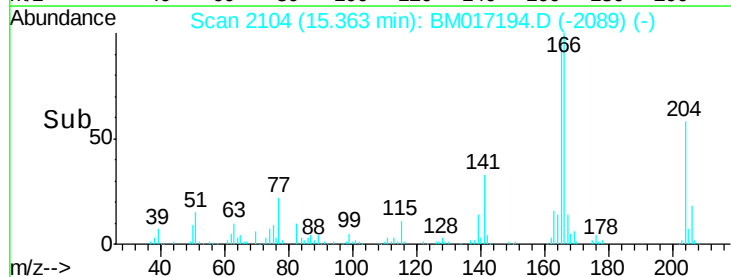
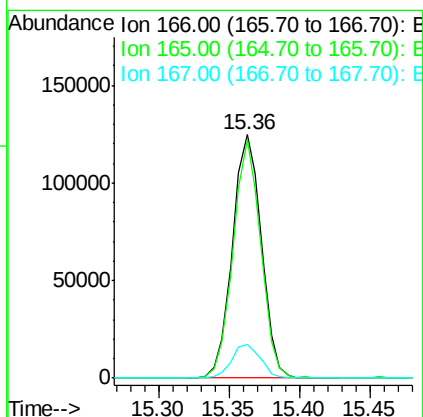
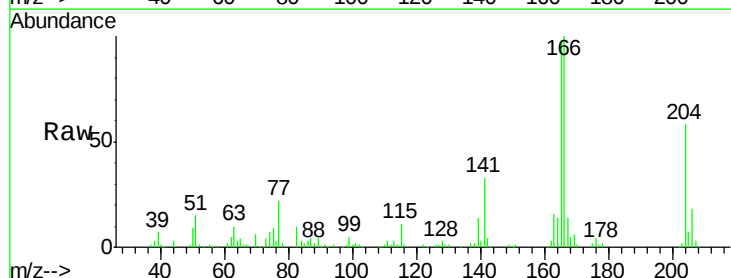
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

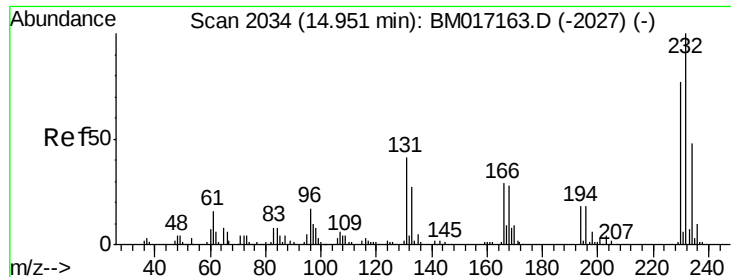
Tgt Ion:165 Resp: 41018
Ion Ratio Lower Upper
165 100
63 48.0 33.8 50.8
89 75.2 53.1 79.7
182 3.3 2.0 3.0#



#58
Fluorene
Concen: 5.174 ng
RT: 15.36 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:166 Resp: 178091
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.6 10.6 16.0

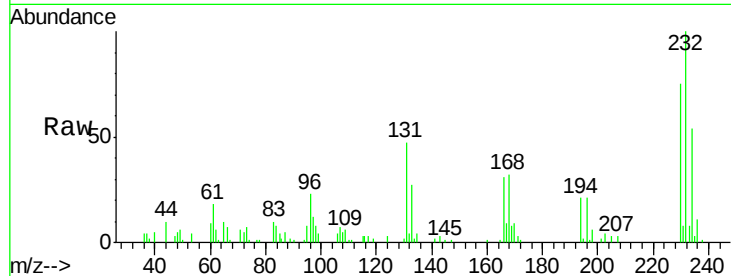




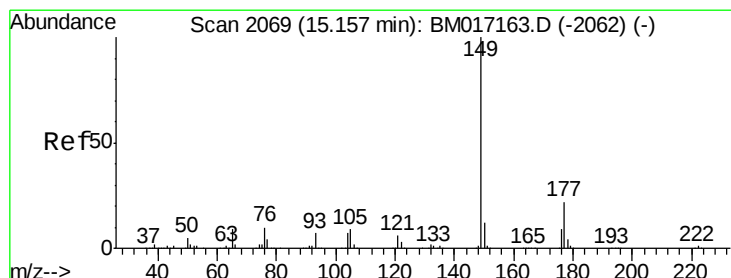
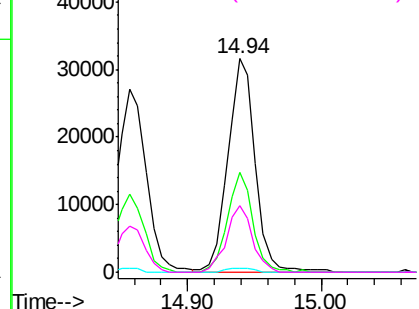
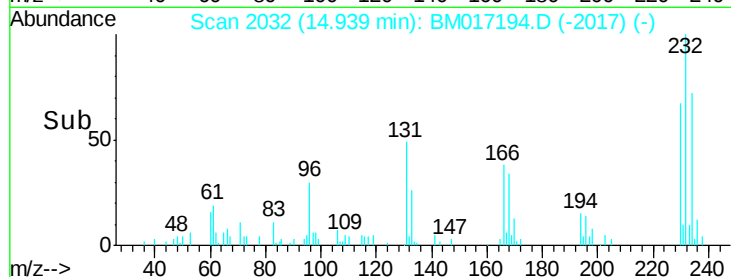
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 4.932 ng
 RT: 14.94 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

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

Tgt Ion:	232	Resp:	45741
Ion	Ratio	Lower	Upper
232	100		
131	43.6	33.1	49.7
130	1.9	1.7	2.5
166	29.5	24.4	36.6

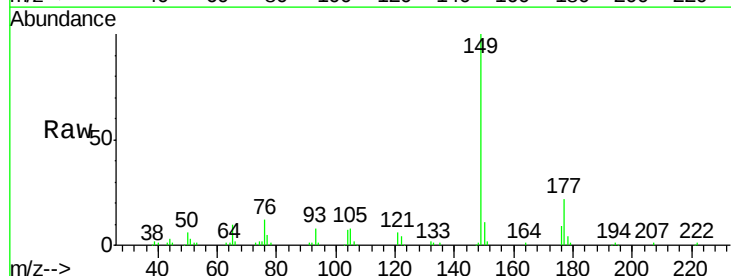


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

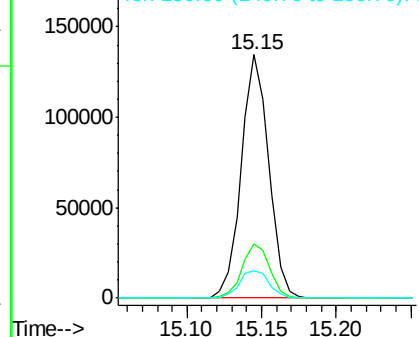
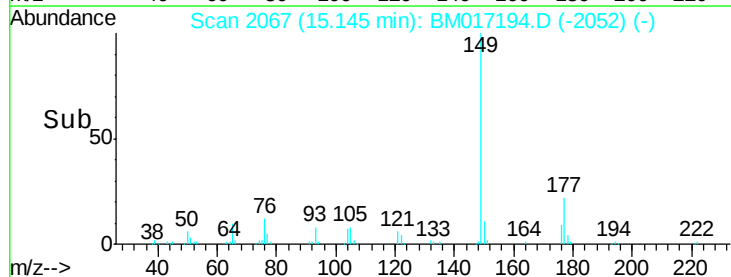


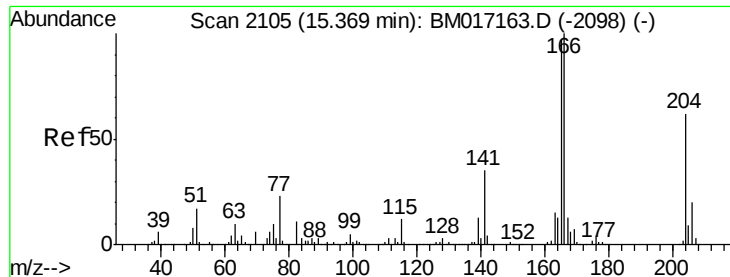
#60
 Diethylphthalate
 Concen: 4.848 ng
 RT: 15.15 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

Tgt Ion:	149	Resp:	172146
Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.7	26.5
150	11.1	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

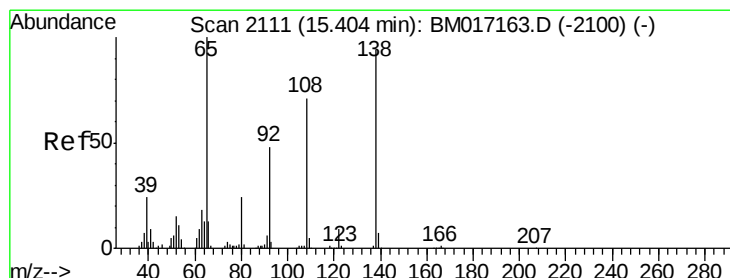
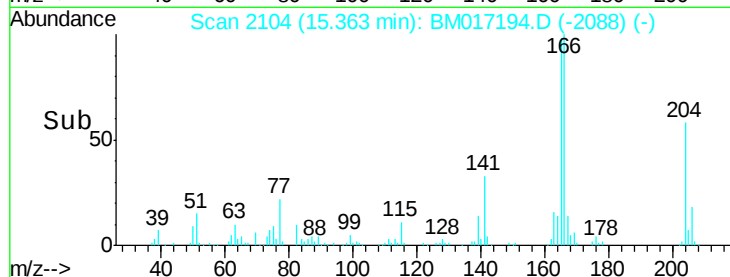
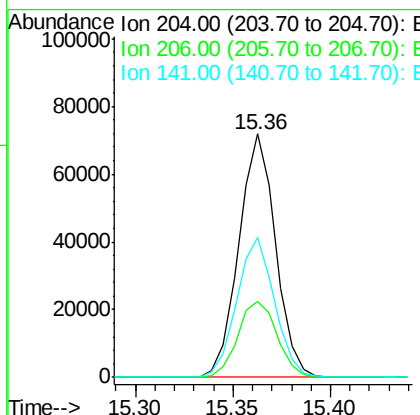
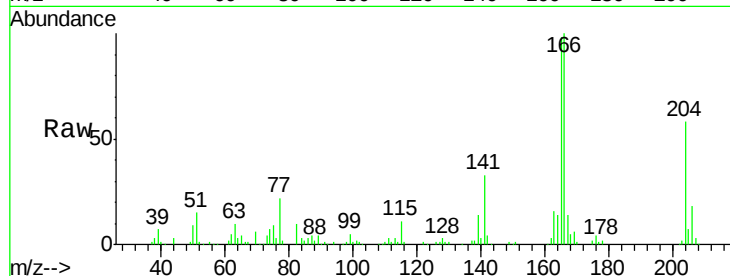




#61
4-Chlorophenyl-phenylether
Concen: 4.765 ng
RT: 15.36 min Scan# 2104
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

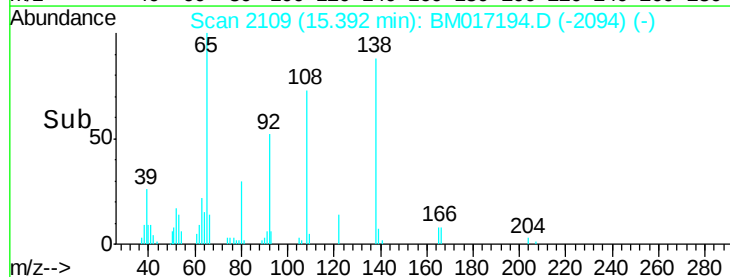
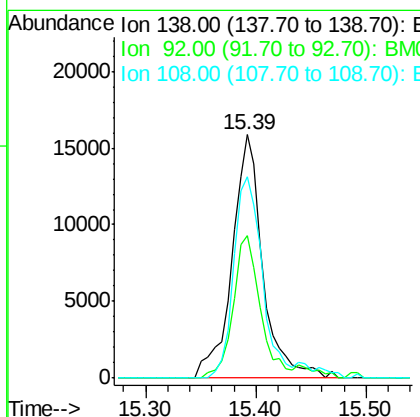
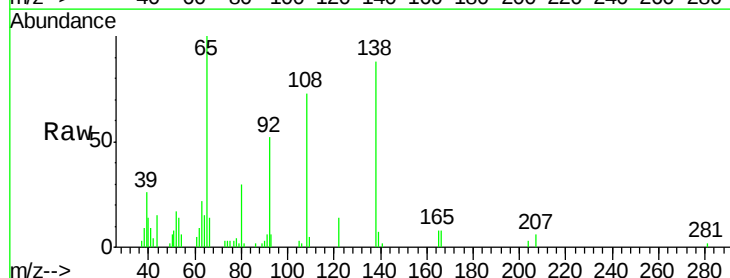
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

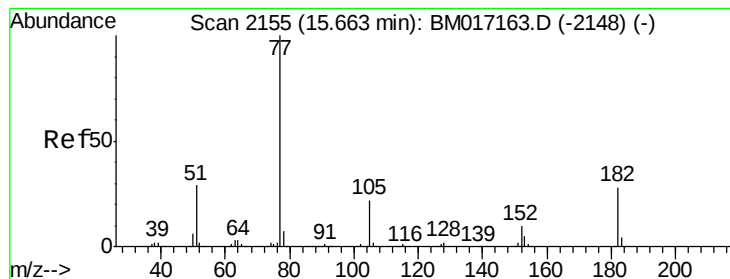
Tgt Ion:204 Resp: 93506
Ion Ratio Lower Upper
204 100
206 31.2 26.1 39.1
141 57.3 45.4 68.2



#62
4-Nitroaniline
Concen: 7.671 ng
RT: 15.39 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:138 Resp: 30835
Ion Ratio Lower Upper
138 100
92 58.4 31.2 71.2
108 82.9 55.5 95.5





#63

Azobenzene

Concen: 4.402 ng

RT: 15.66 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

Tgt Ion: 77 Resp: 151952

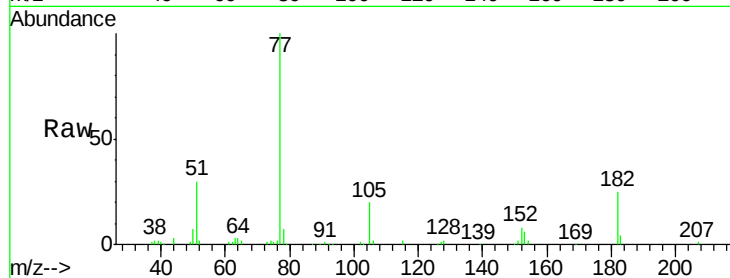
Ion Ratio Lower Upper

77 100

182 25.3 8.3 48.3

105 20.2 1.5 41.5

51 29.6 8.8 48.8

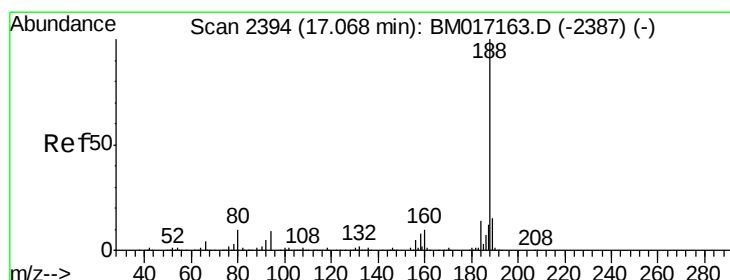
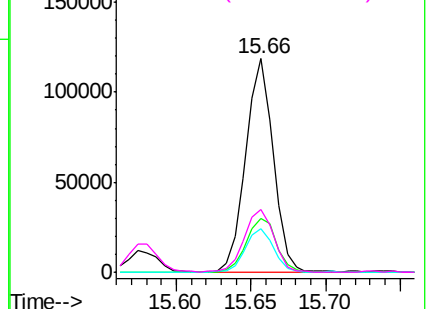
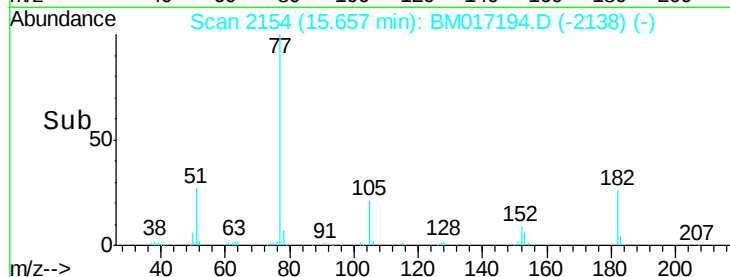


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

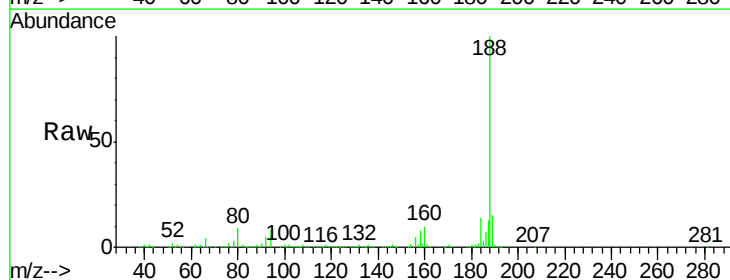
Tgt Ion: 188 Resp: 1092906

Ion Ratio Lower Upper

188 100

94 8.0 7.0 10.4

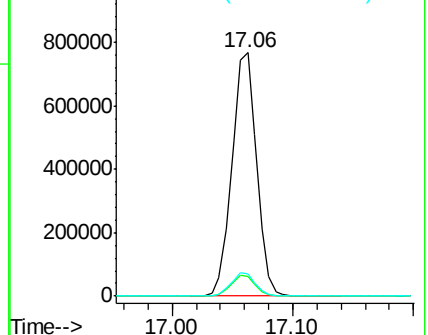
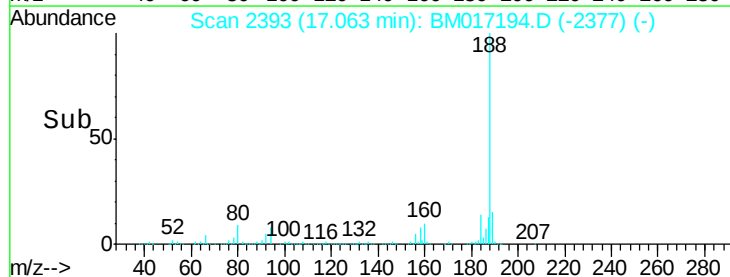
80 8.9 7.7 11.5

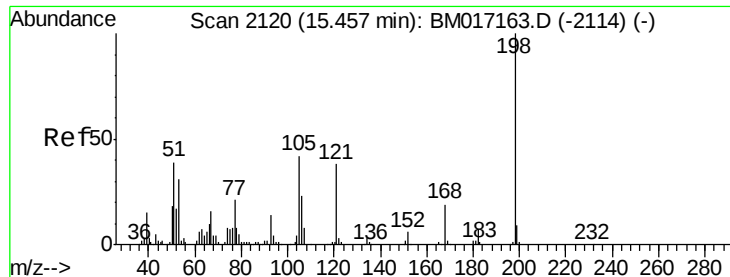


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

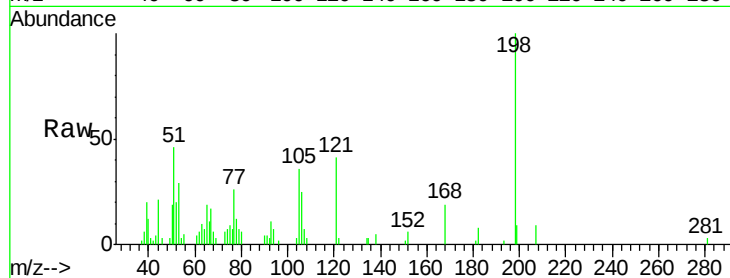




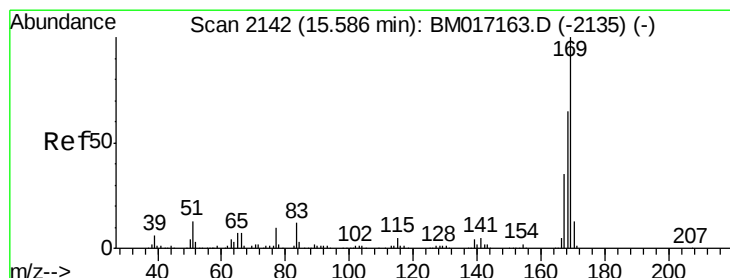
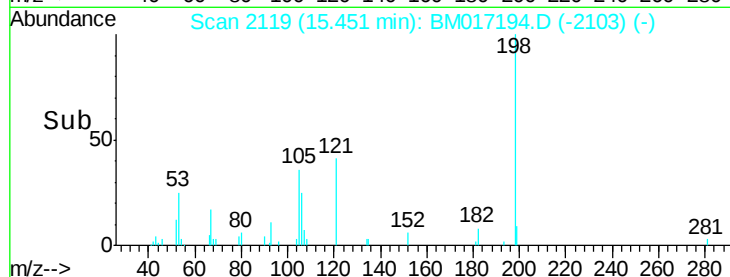
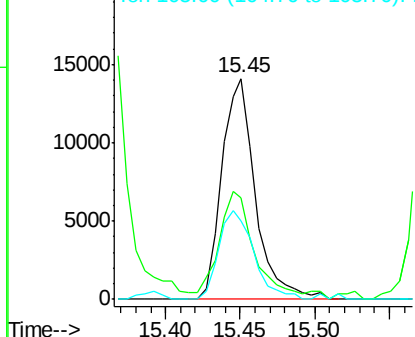
#65
 4,6-Dinitro-2-methylphenol
 Concen: 9.704 ng
 RT: 15.45 min Scan# 2119
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

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

Tgt Ion:198 Resp: 22198
 Ion Ratio Lower Upper
 198 100
 51 46.0 20.3 60.3
 105 35.7 21.9 61.9

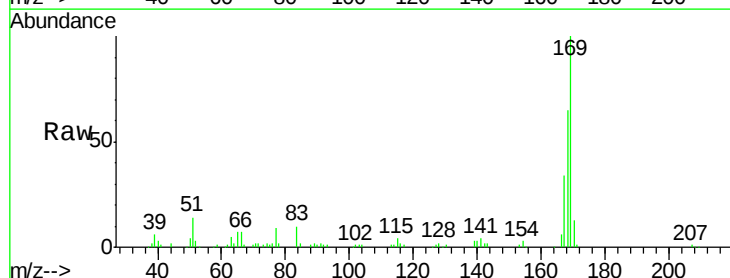


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BM017163.D (-2114) (-)
 Ion 105.00 (104.70 to 105.70): E

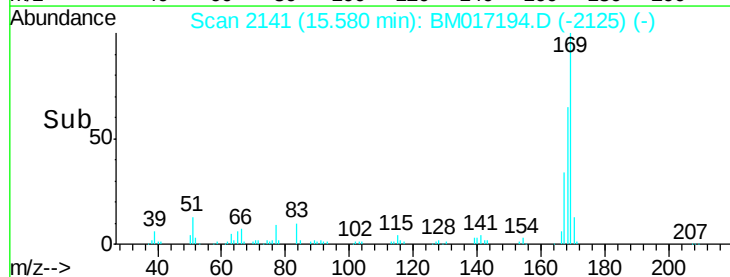
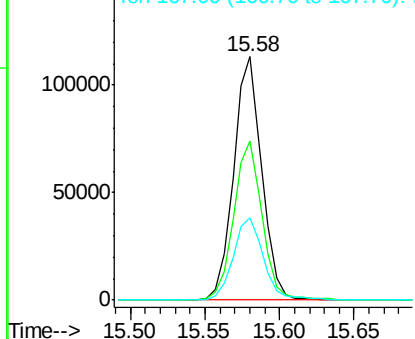


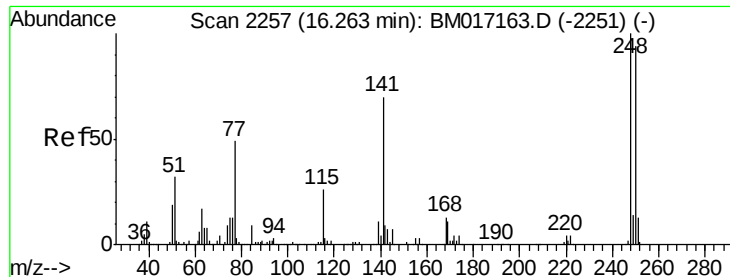
#66
 n-Nitrosodiphenylamine
 Concen: 4.492 ng
 RT: 15.58 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

Tgt Ion:169 Resp: 148528
 Ion Ratio Lower Upper
 169 100
 168 65.2 52.2 78.4
 167 33.7 28.4 42.6



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

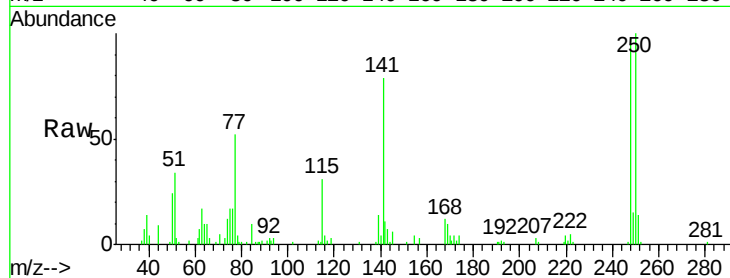




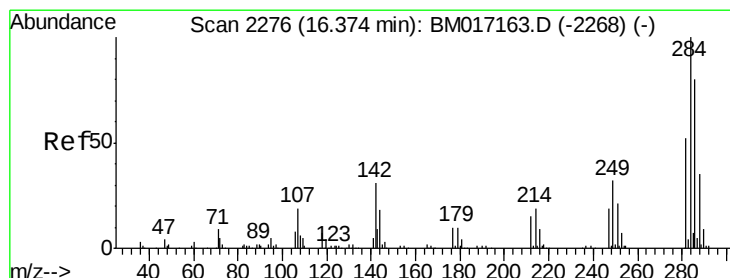
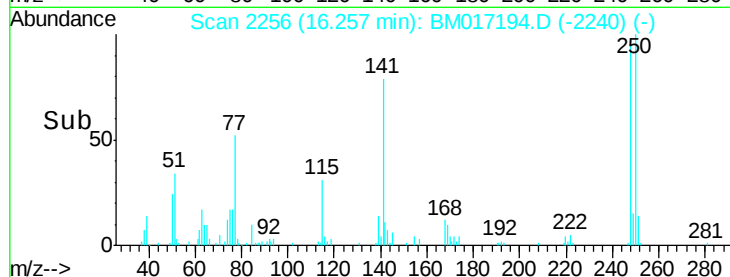
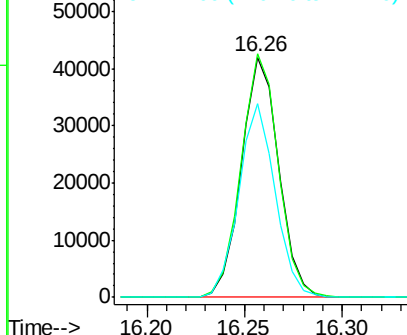
#67
4-Bromophenyl-phenylether
Concen: 4.621 ng
RT: 16.26 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

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

Tgt Ion:248 Resp: 55453
Ion Ratio Lower Upper
248 100
250 101.5 75.1 112.7
141 80.6 55.6 83.4

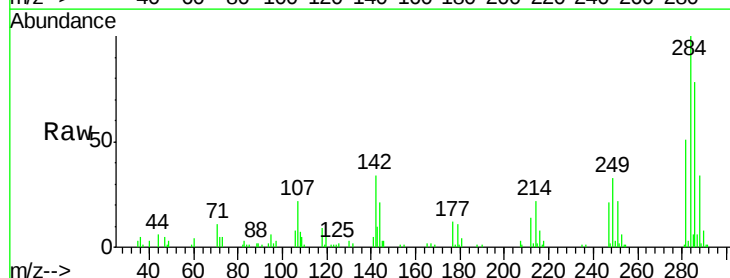


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

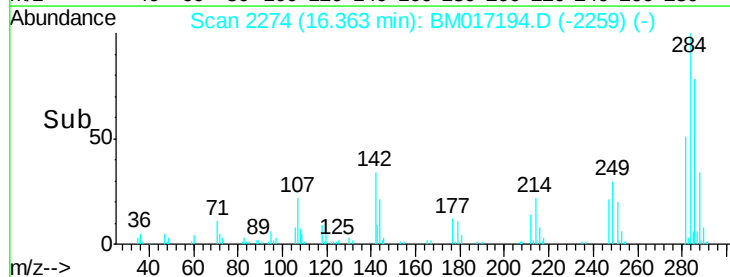
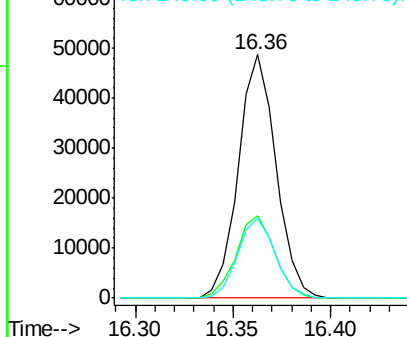


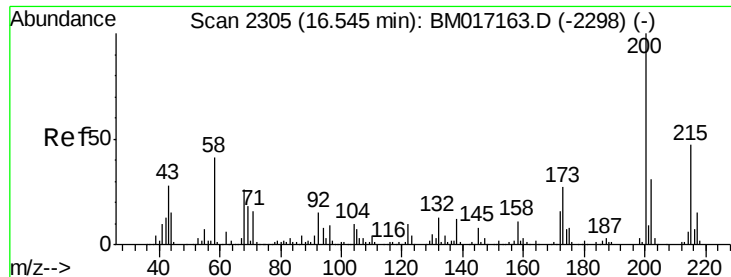
#68
Hexachlorobenzene
Concen: 4.655 ng
RT: 16.36 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:284 Resp: 64882
Ion Ratio Lower Upper
284 100
142 33.9 25.0 37.6
249 32.9 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

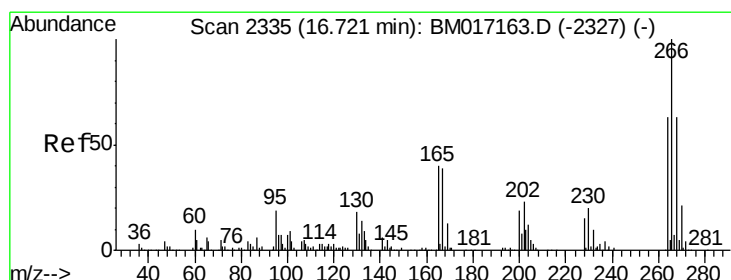
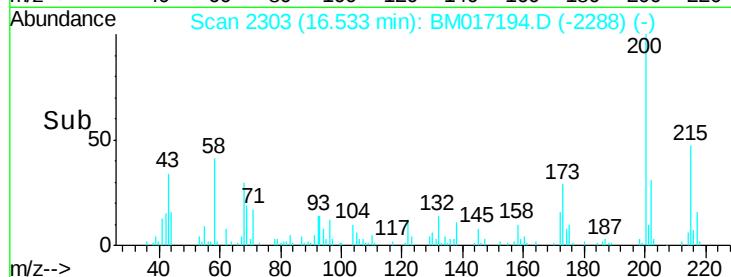
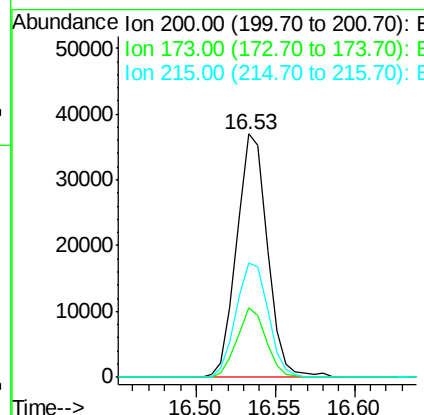
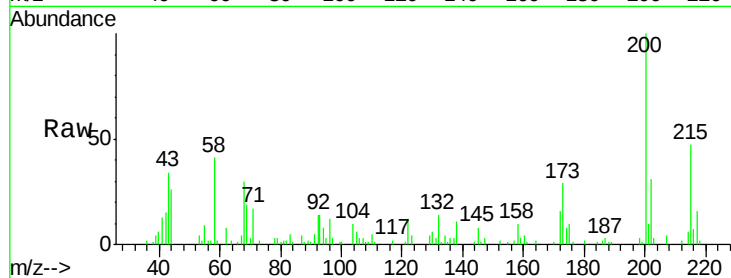




#69
Atrazine
Concen: 4.216 ng
RT: 16.53 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

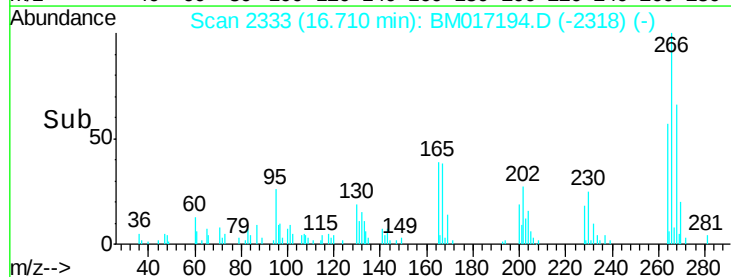
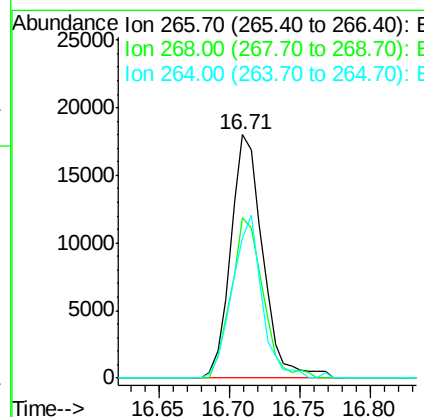
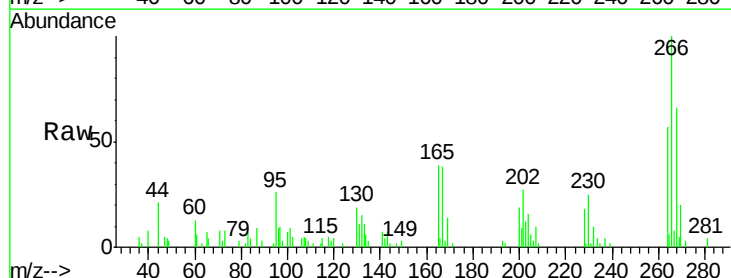
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

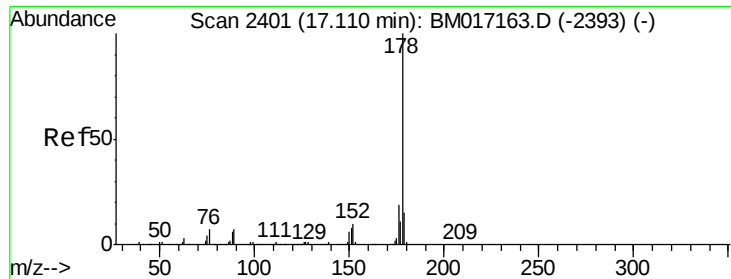
Tgt Ion:200 Resp: 49891
Ion Ratio Lower Upper
200 100
173 28.8 7.0 47.0
215 46.8 27.3 67.3



#70
Pentachlorophenol
Concen: 2.979 ng
RT: 16.71 min Scan# 2333
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:266 Resp: 28451
Ion Ratio Lower Upper
266 100
268 65.6 50.7 76.1
264 57.5 50.4 75.6

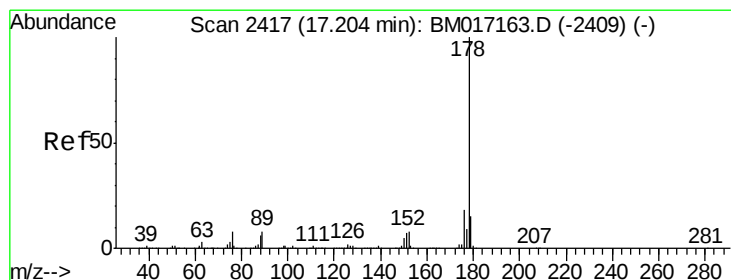
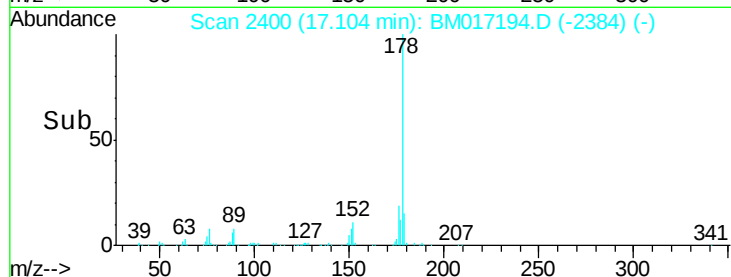
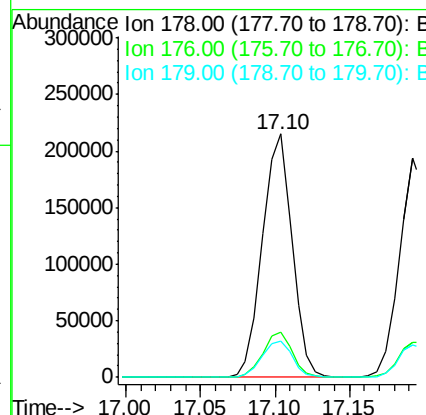
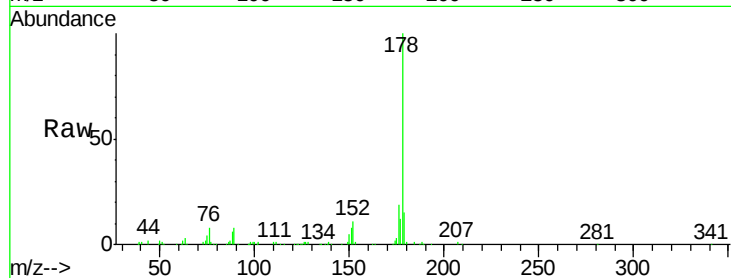




#71
Phenanthrene
Concen: 5.005 ng
RT: 17.10 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

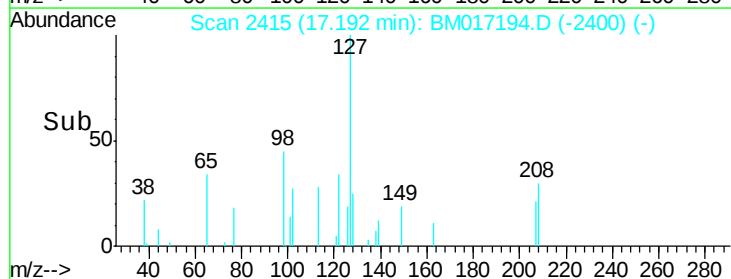
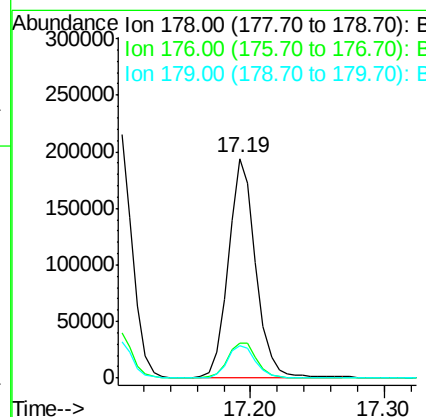
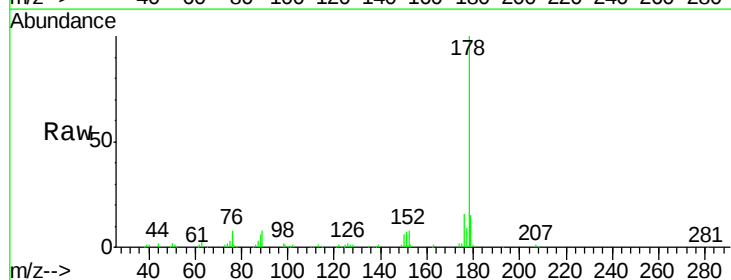
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

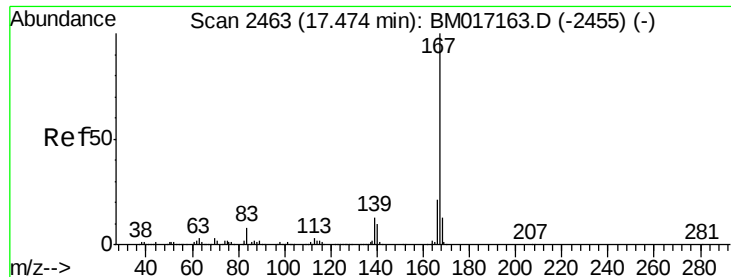
Tgt Ion:178 Resp: 295149
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.1 12.3 18.5



#72
Anthracene
Concen: 4.962 ng
RT: 17.19 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:178 Resp: 278010
Ion Ratio Lower Upper
178 100
176 16.2 14.5 21.7
179 14.6 12.2 18.2

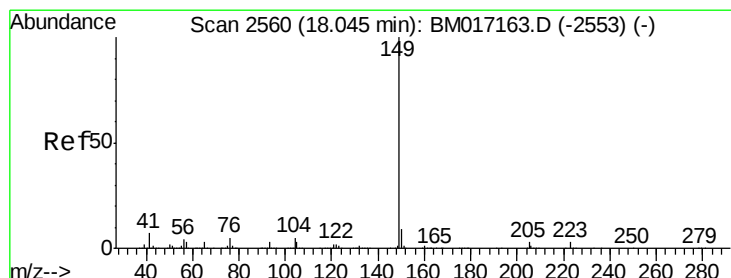
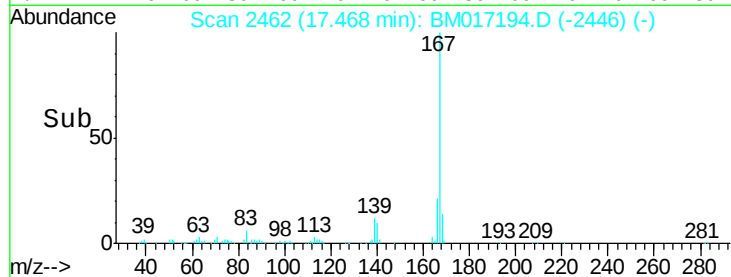
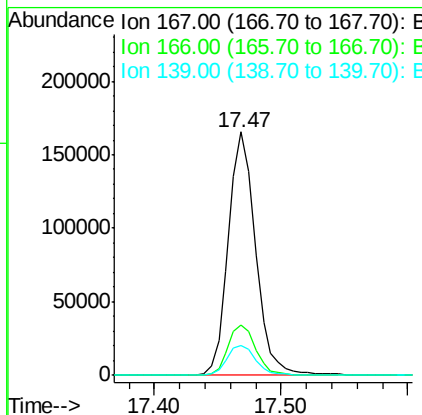
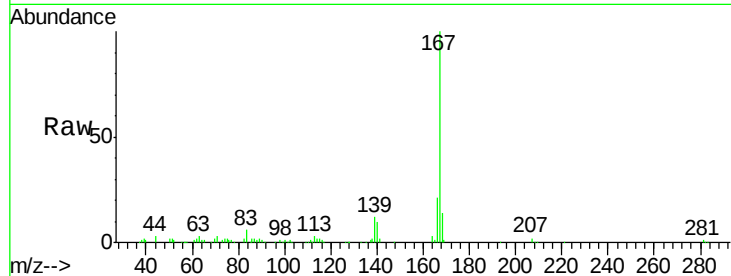




#73
 Carbazole
 Concen: 4.308 ng
 RT: 17.47 min Scan# 2462
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

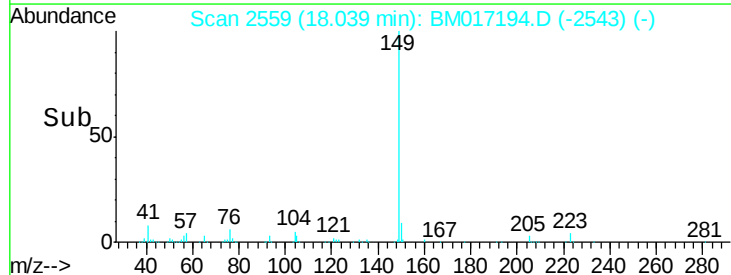
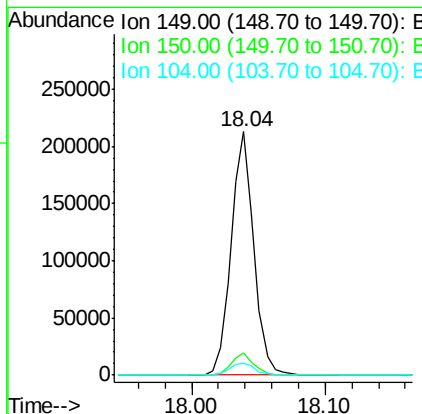
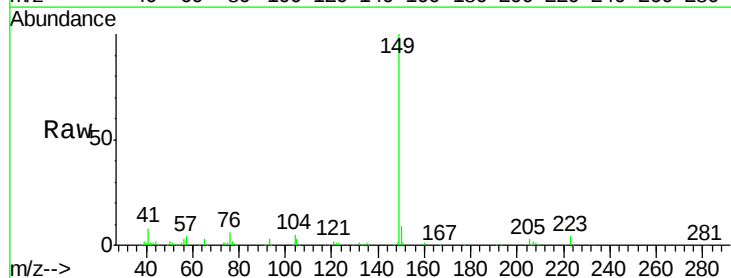
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018

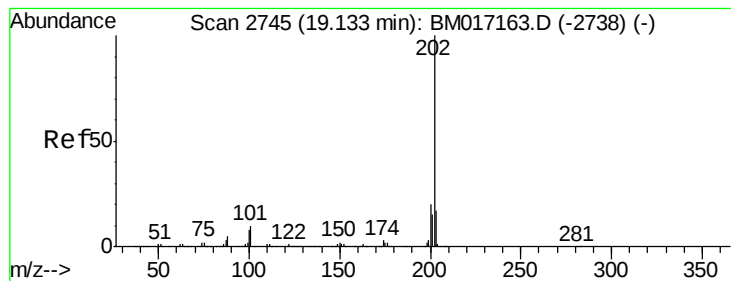
Tgt Ion:167 Resp: 246540
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.1 25.7
 139 12.4 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 4.193 ng
 RT: 18.04 min Scan# 2559
 Delta R.T. -0.01 min
 Lab File: BM017194.D
 Acq: 18 Oct 2018 15:49

Tgt Ion:149 Resp: 253095
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.0
 104 5.0 4.3 6.5





#75

Fluoranthene

Concen: 5.032 ng

RT: 19.12 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

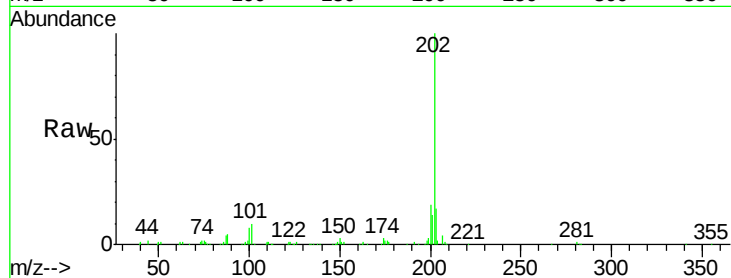
Tgt Ion:202 Resp: 333871

Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.0

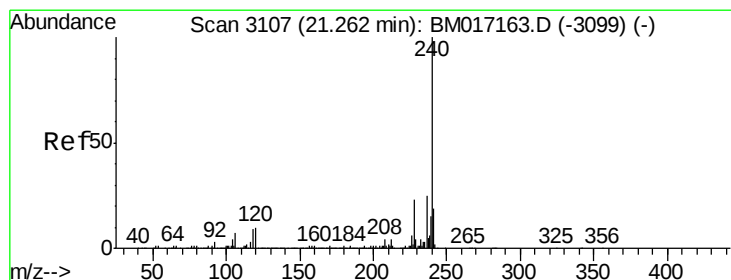
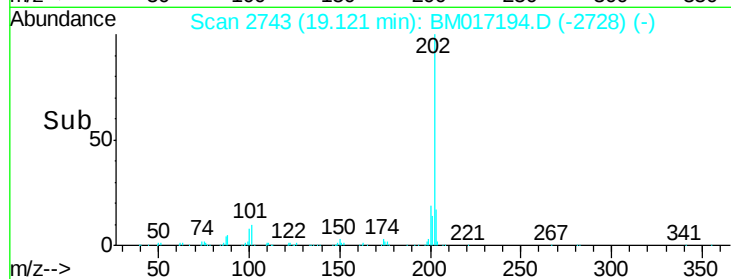
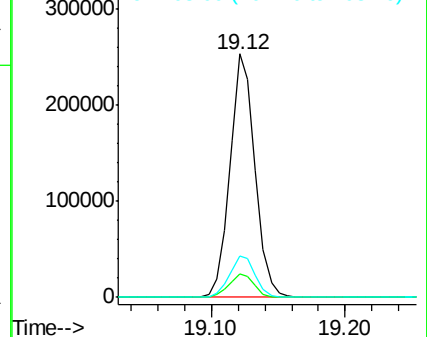
203 17.0 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

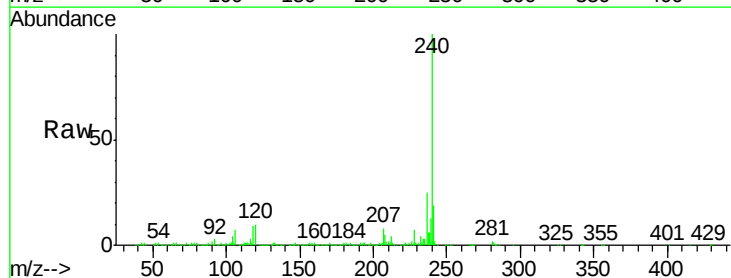
Tgt Ion:240 Resp: 1295627

Ion Ratio Lower Upper

240 100

120 9.6 8.1 12.1

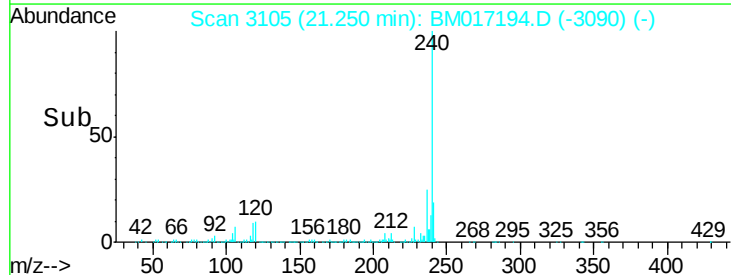
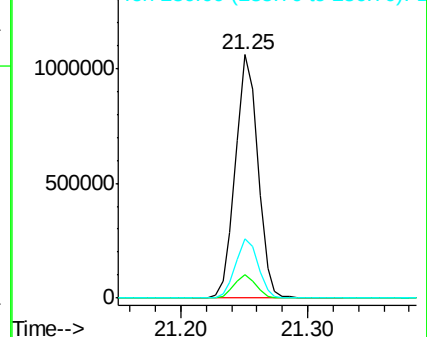
236 24.6 19.9 29.9

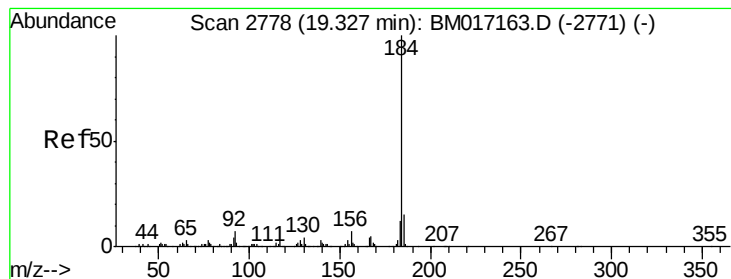


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.182 ng

RT: 19.32 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

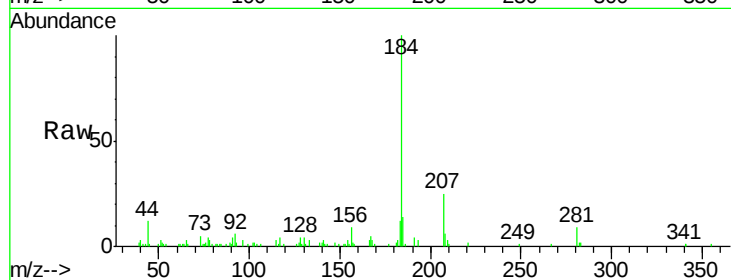
Tgt Ion:184 Resp: 71682

Ion Ratio Lower Upper

184 100

185 13.7 11.8 17.8

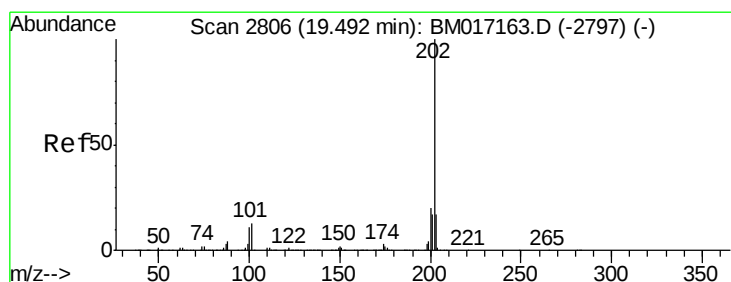
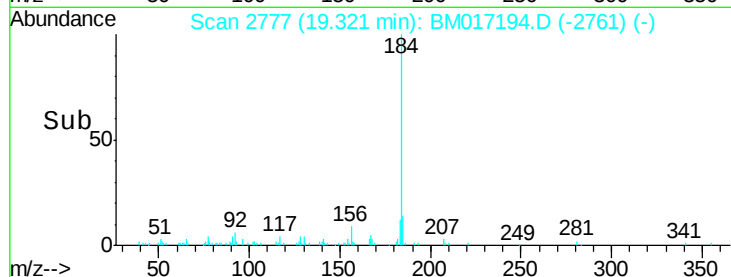
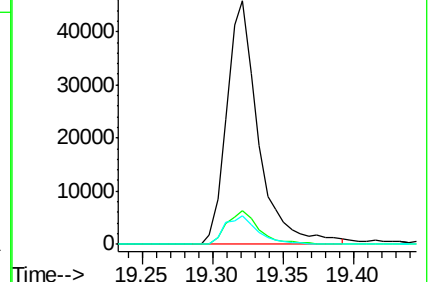
183 11.5 9.7 14.5



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



#78

Pyrene

Concen: 4.761 ng

RT: 19.49 min Scan# 2805

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

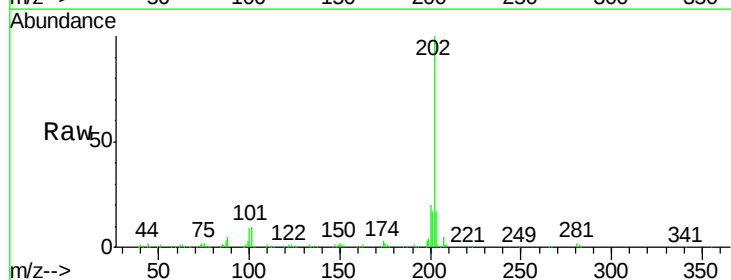
Tgt Ion:202 Resp: 344784

Ion Ratio Lower Upper

202 100

200 19.8 16.3 24.5

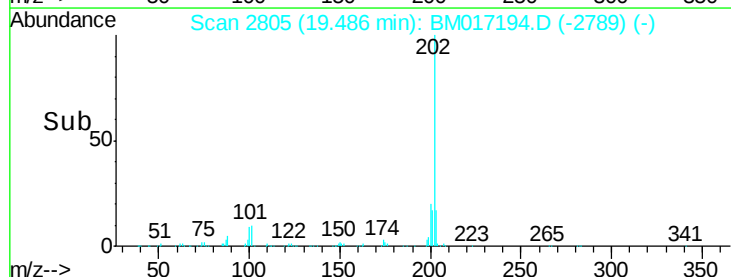
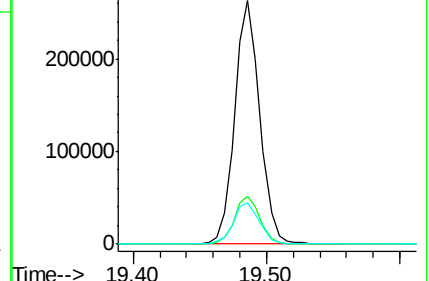
203 16.8 13.9 20.9

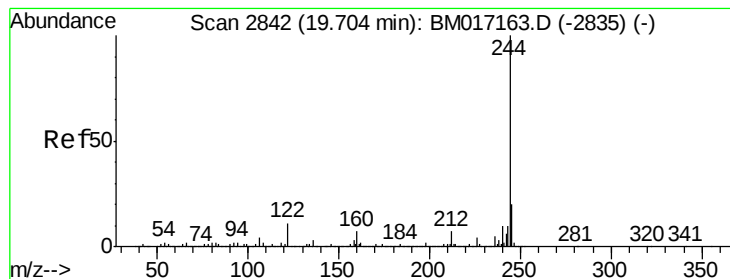


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.869 ng

RT: 19.70 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

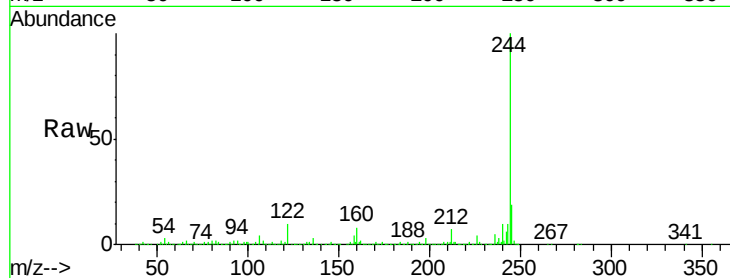
Tgt Ion:244 Resp: 4590959

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

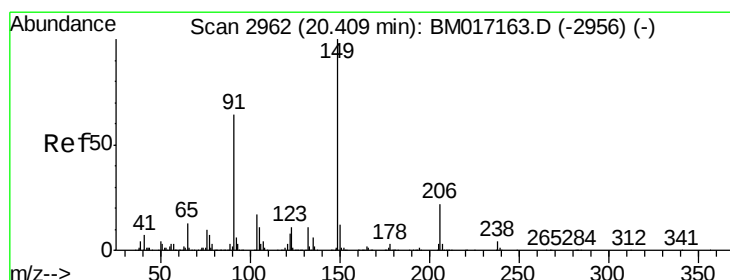
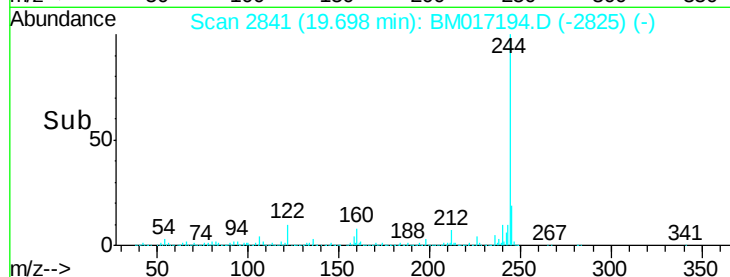
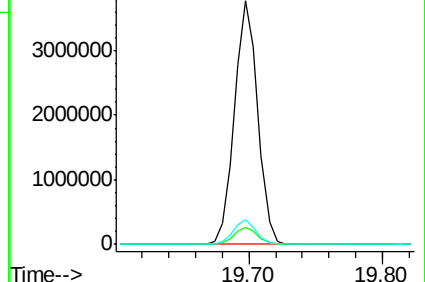
122 10.2 8.4 12.6



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: 10.428 ng

RT: 20.40 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

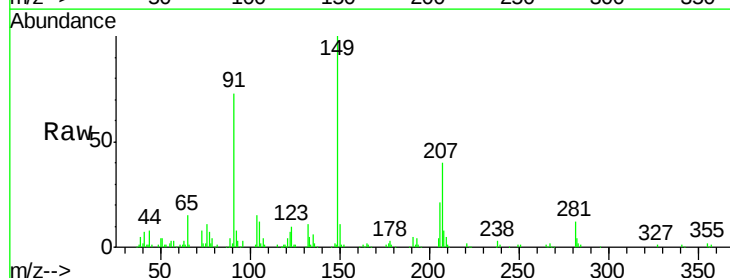
Tgt Ion:149 Resp: 105352

Ion Ratio Lower Upper

149 100

91 73.3 51.3 76.9

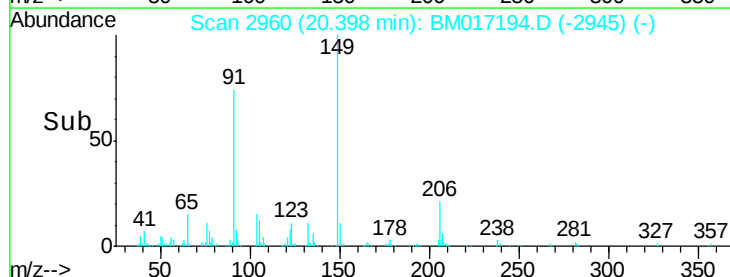
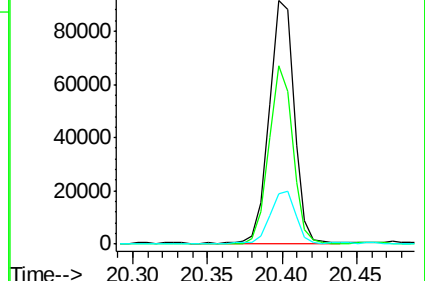
206 20.6 18.0 27.0

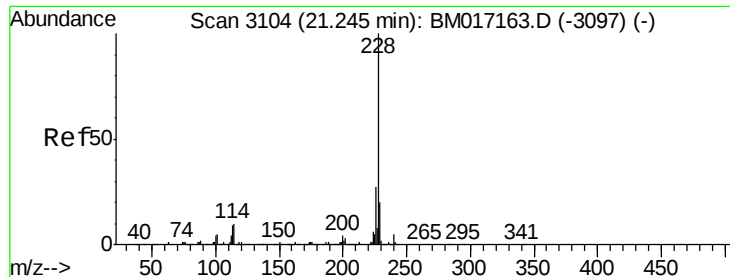


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

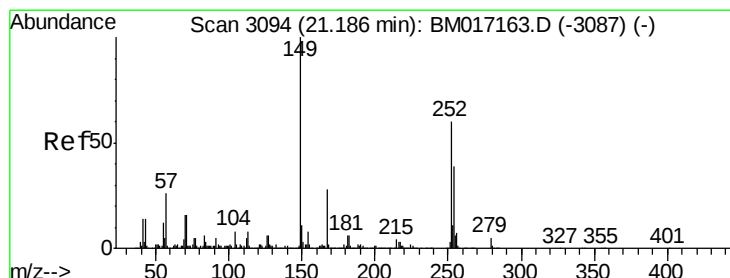
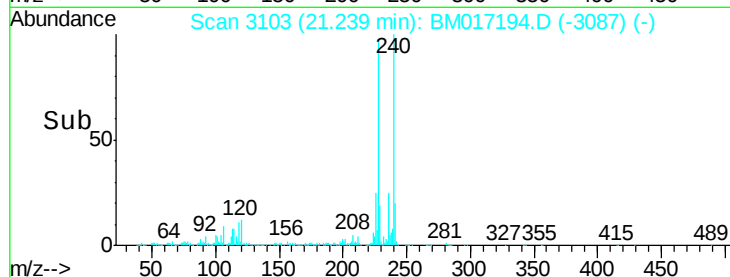
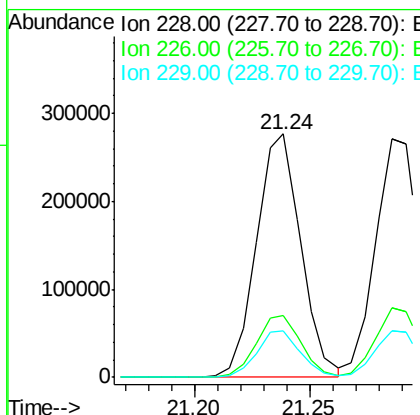
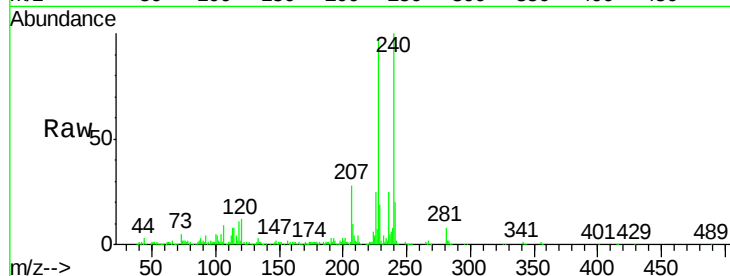




#81
Benzo(a)anthracene
Concen: 5.064 ng
RT: 21.24 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

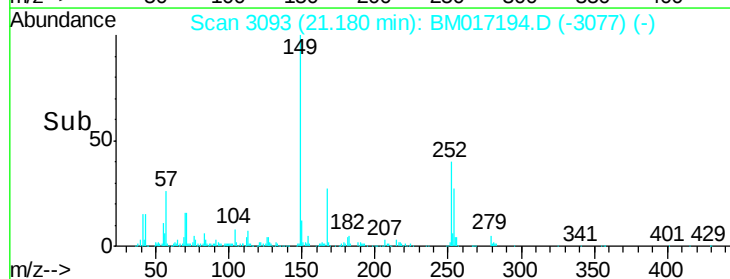
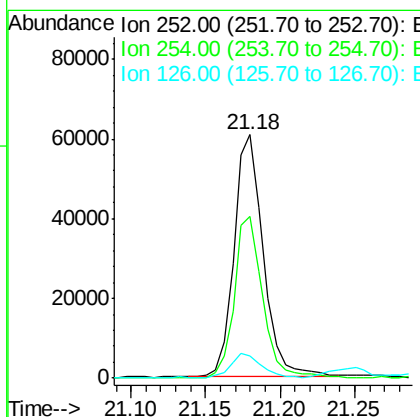
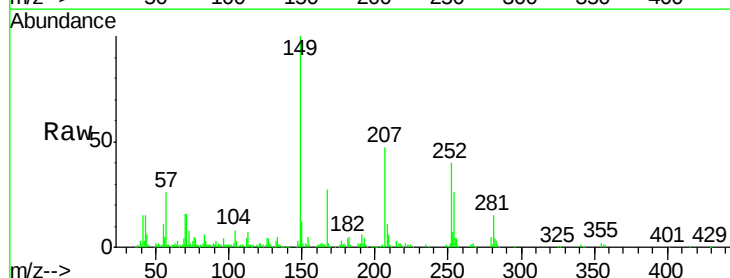
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

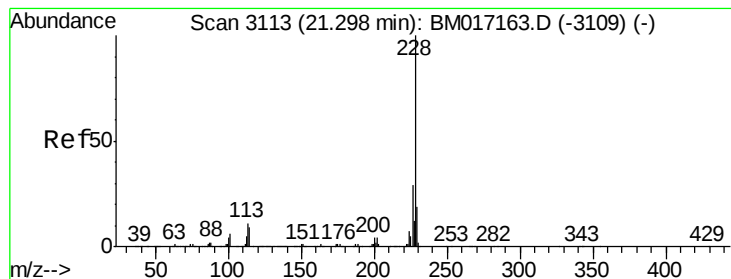
Tgt Ion:228 Resp: 369253
Ion Ratio Lower Upper
228 100
226 25.3 21.4 32.0
229 19.3 15.9 23.9



#82
3,3'-Dichlorobenzidine
Concen: 3.052 ng
RT: 21.18 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:252 Resp: 82938
Ion Ratio Lower Upper
252 100
254 66.3 52.1 78.1
126 9.3 8.6 12.8





#83

Chrysene

Concen: 5.014 ng

RT: 21.29 min Scan# 3111

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

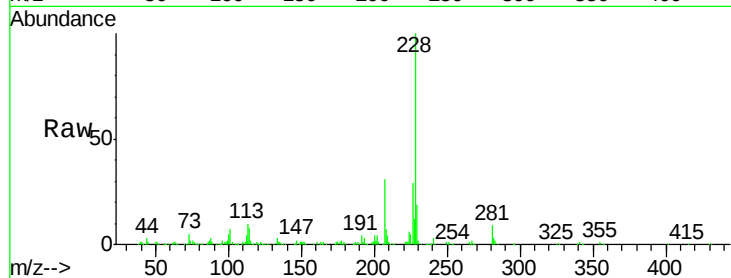
Tgt Ion: 228 Resp: 361819

Ion Ratio Lower Upper

228 100

226 28.9 23.3 34.9

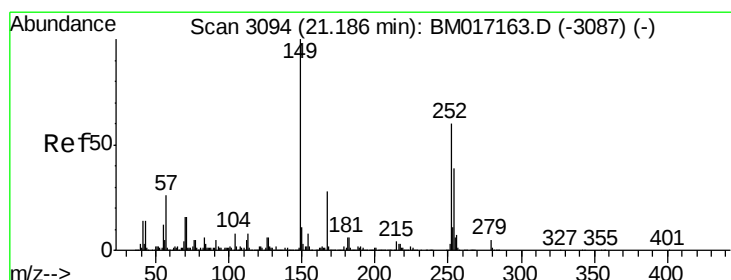
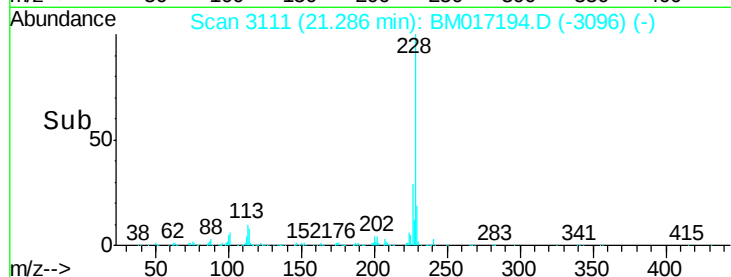
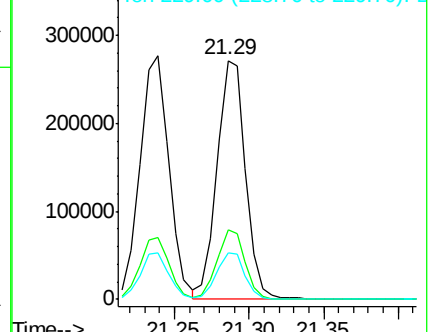
229 19.4 15.6 23.4



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: 8.638 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

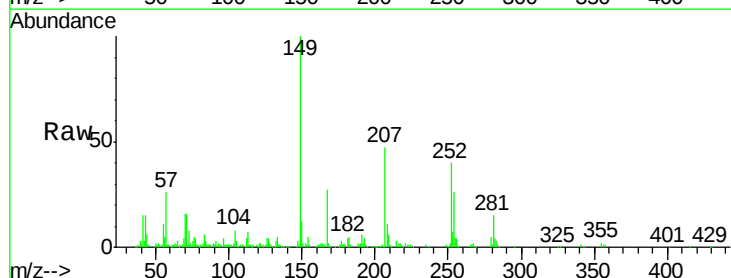
Tgt Ion: 149 Resp: 157845

Ion Ratio Lower Upper

149 100

167 27.1 22.2 33.4

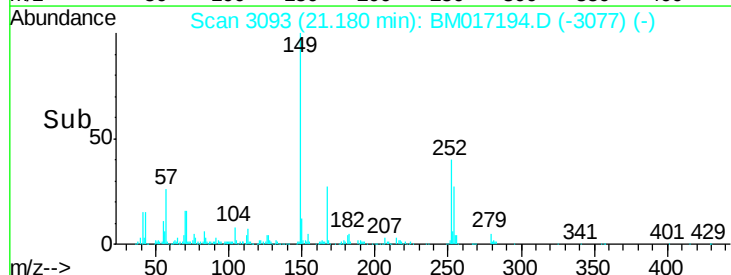
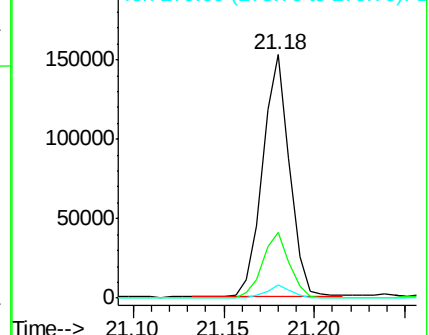
279 5.2 3.6 5.4

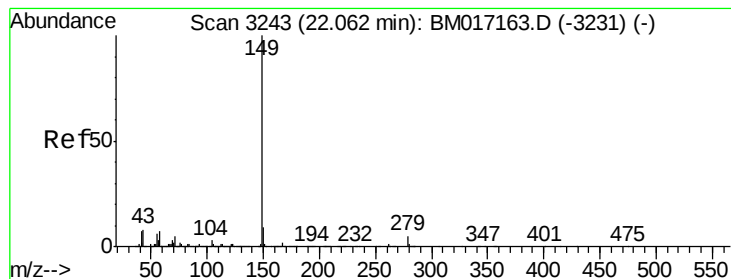


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 8.831 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

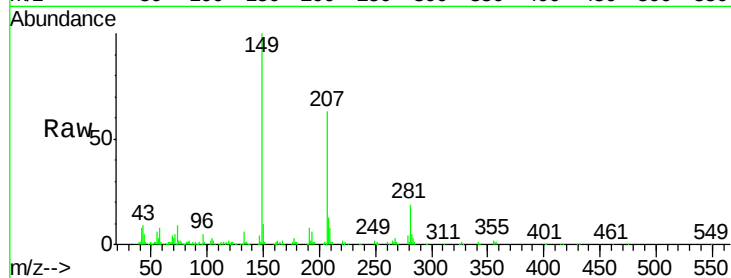
Tgt Ion:149 Resp: 263348

Ion Ratio Lower Upper

149 100

167 1.8 1.4 2.0

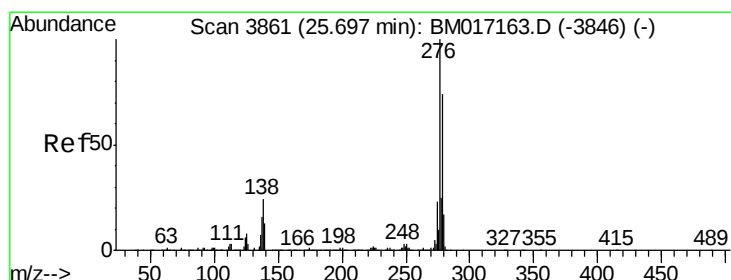
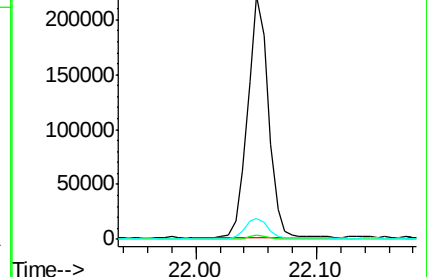
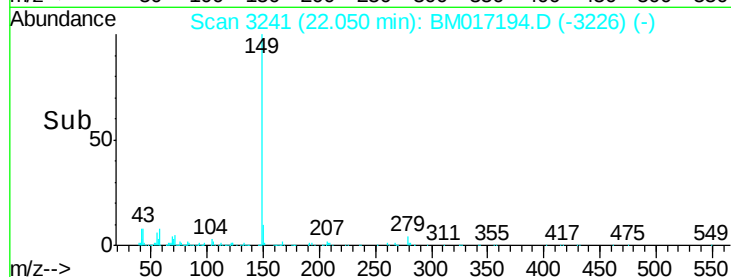
43 9.4 7.2 10.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.108 ng

RT: 25.67 min Scan# 3857

Delta R.T. -0.02 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

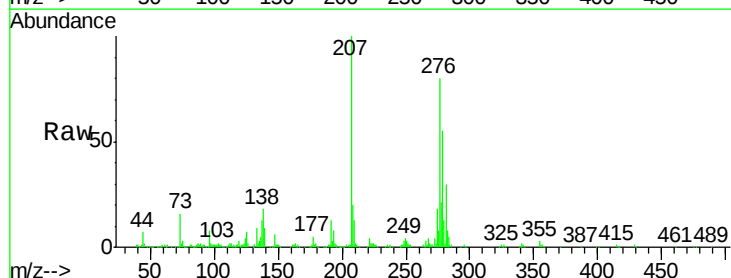
Tgt Ion:276 Resp: 412305

Ion Ratio Lower Upper

276 100

138 23.1 19.5 29.3

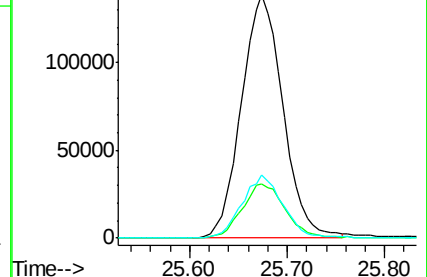
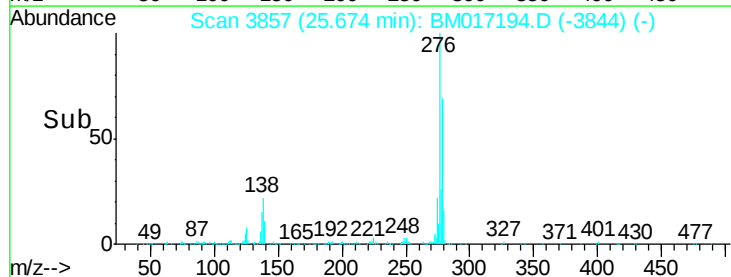
277 25.4 20.1 30.1

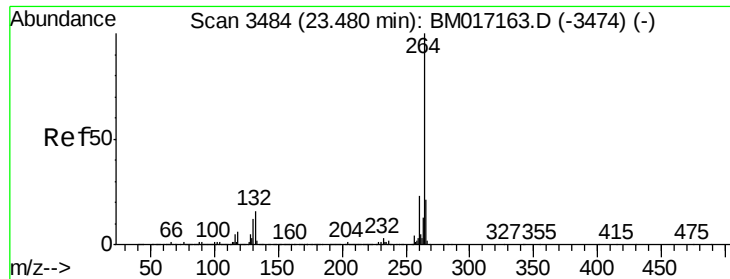


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.46 min Scan# 3481

Delta R.T. -0.02 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

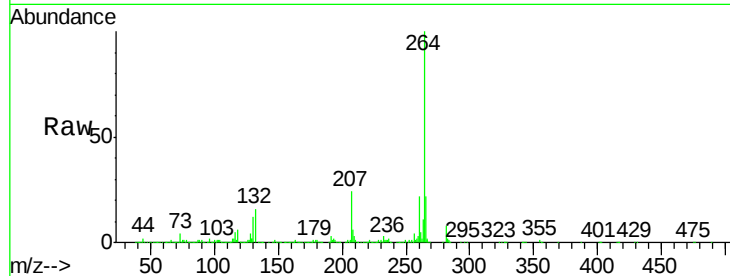
Tgt Ion:264 Resp: 1337902

Ion Ratio Lower Upper

264 100

260 22.2 18.6 27.8

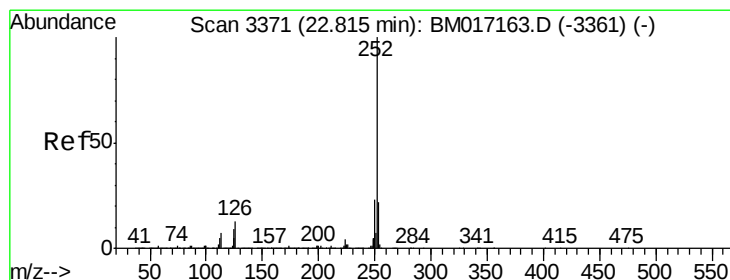
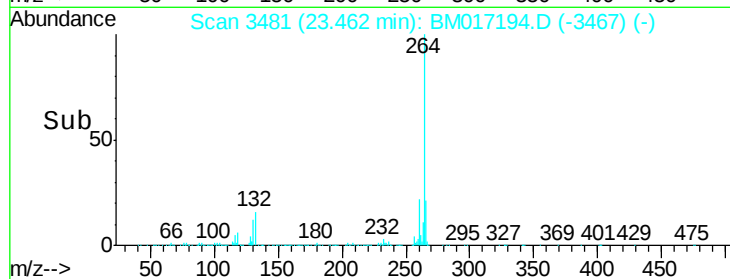
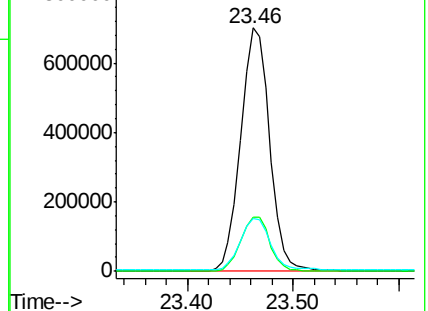
265 22.0 17.8 26.8



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: 5.176 ng

RT: 22.80 min Scan# 3369

Delta R.T. -0.01 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

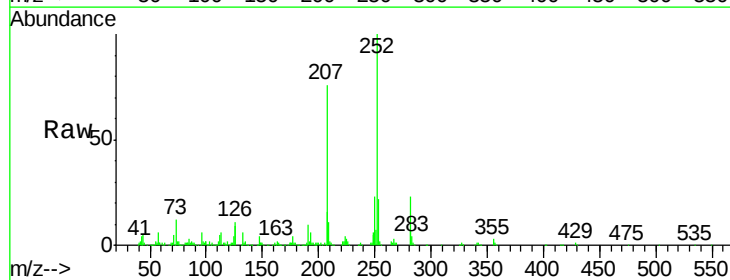
Tgt Ion:252 Resp: 378637

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

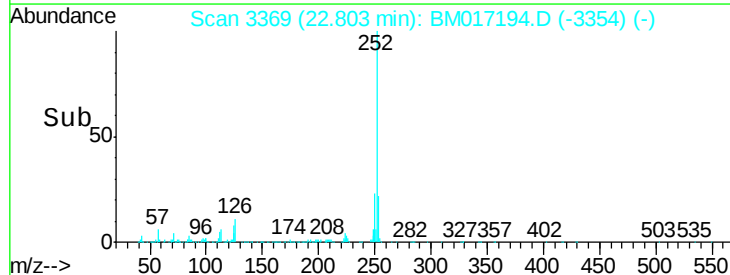
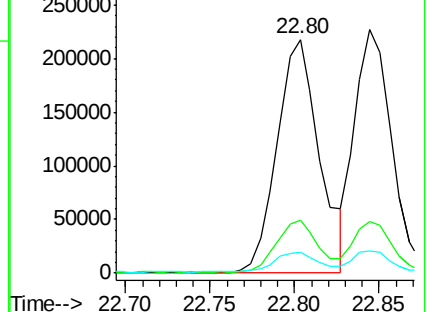
125 8.8 7.5 11.3

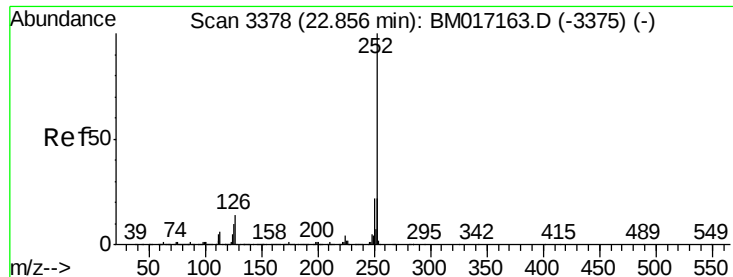


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

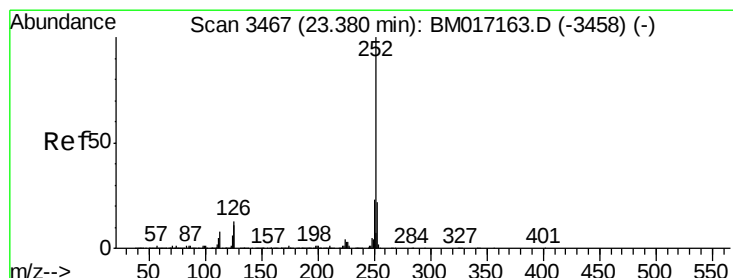
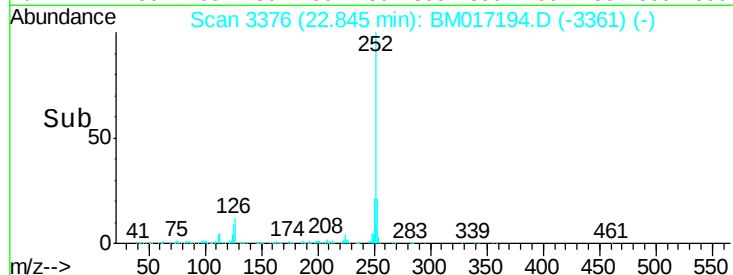
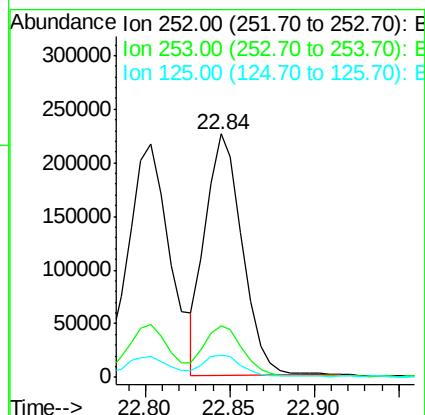
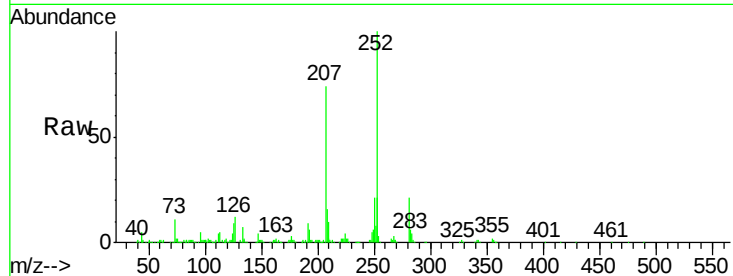




#89
Benzo(k)fluoranthene
Concen: 4.672 ng
RT: 22.84 min Scan# 3376
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

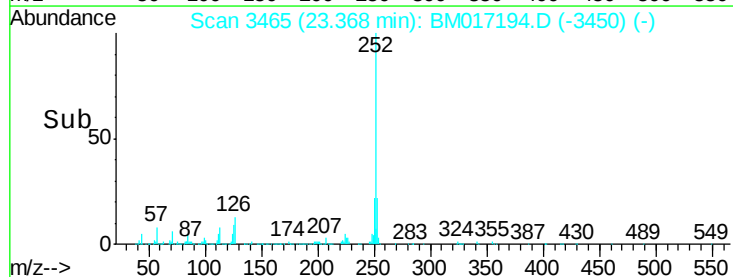
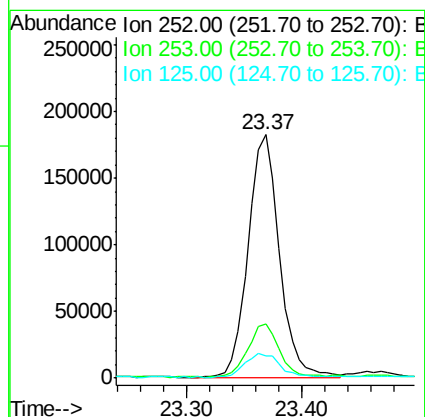
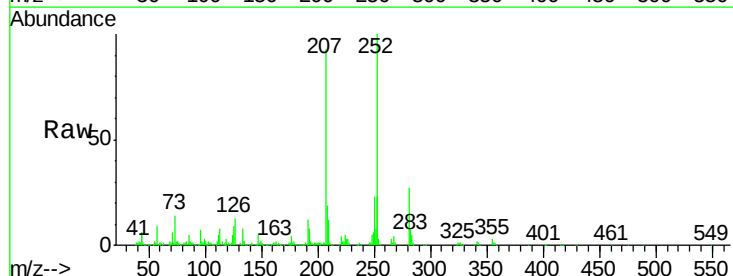
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT4-2018

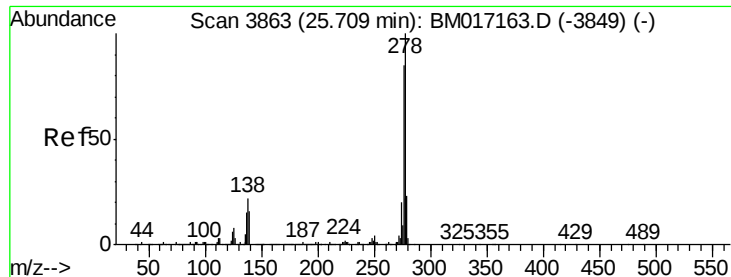
Tgt Ion:252 Resp: 342916
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 9.2 8.2 12.2



#90
Benzo(a)pyrene
Concen: 4.934 ng
RT: 23.37 min Scan# 3465
Delta R.T. -0.01 min
Lab File: BM017194.D
Acq: 18 Oct 2018 15:49

Tgt Ion:252 Resp: 342650
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 9.3 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 5.069 ng

RT: 25.69 min Scan# 3859

Delta R.T. -0.02 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT4-2018

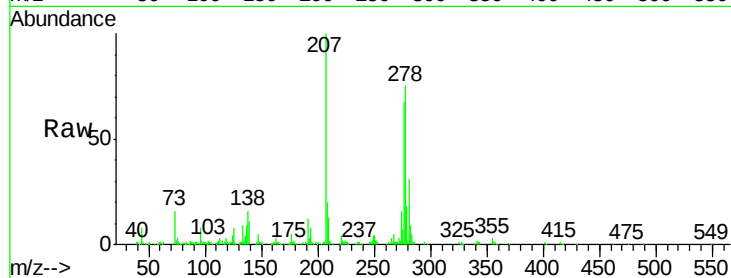
Tgt Ion: 278 Resp: 349550

Ion Ratio Lower Upper

278 100

139 14.0 12.7 19.1

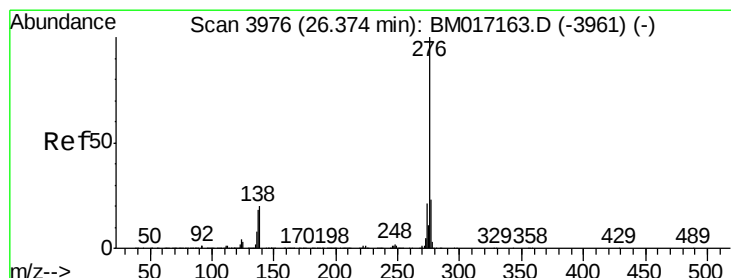
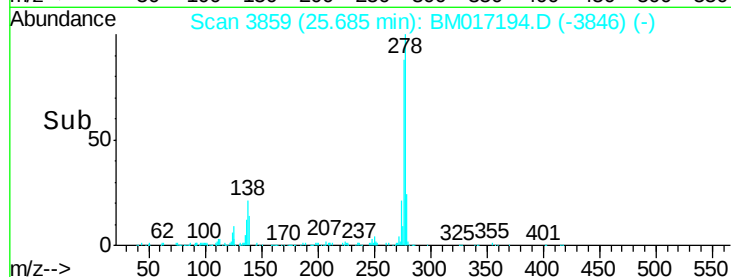
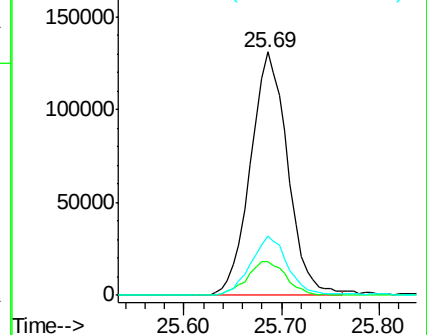
279 24.1 18.7 28.1



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: 5.187 ng

RT: 26.35 min Scan# 3972

Delta R.T. -0.02 min

Lab File: BM017194.D

Acq: 18 Oct 2018 15:49

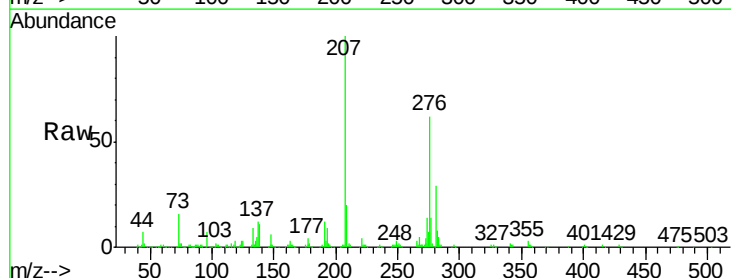
Tgt Ion: 276 Resp: 354524

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 18.1 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

