

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062019\
 Data File : BM021069.D
 Acq On : 21 Jun 2019 00:58
 Operator : HP/JU
 Sample : K2241-03
 Misc : LOD-S-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Quant Time: Jun 21 04:16:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	206931	20.00	ng	0.00
21) Naphthalene-d8	10.57	136	926856	20.00	ng	0.00
39) Acenaphthene-d10	14.42	164	643266	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	1642168	20.00	ng	0.00
76) Chrysene-d12	21.35	240	1852406	20.00	ng	0.00
87) Perylene-d12	23.63	264	2138844	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	378009	33.08	ng	0.00
7) Phenol-d6	6.95	99	544668	32.73	ng	0.00
23) Nitrobenzene-d5	8.94	82	350510	19.71	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	391440	32.43	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	1068041	20.41	ng	0.00
79) Terphenyl-d14	19.79	244	2078472	20.96	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	37507	8.711	ng	97
3) Pyridine	3.73	79	88102	7.116	ng	96
4) n-Nitrosodimethylamine	3.64	42	35170	7.377	ng	# 81
6) Aniline	7.12	93	156185	7.046	ng	100
8) 2-Chlorophenol	7.35	128	105667	7.513	ng	98
9) Benzaldehyde	6.93	77	102161	7.495	ng	94
10) Phenol	6.97	94	125328	7.371	ng	98
11) bis(2-Chloroethyl)ether	7.22	93	100586	7.473	ng	98
12) 1,3-Dichlorobenzene	7.67	146	123901	7.271	ng	98
13) 1,4-Dichlorobenzene	7.82	146	127761	7.375	ng	99
14) 1,2-Dichlorobenzene	8.13	146	125782	7.409	ng	96
15) Benzyl Alcohol	8.03	79	97172	7.211	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.30	45	137580	7.902	ng	98
17) 2-Methylphenol	8.22	107	86571	7.128	ng	98
18) Hexachloroethane	8.85	117	43461	6.987	ng	97
19) n-Nitroso-di-n-propylamine	8.59	70	95390	7.876	ng	97
20) 3+4-Methylphenols	8.55	107	120329	7.198	ng	98
22) Acetophenone	8.60	105	195345	8.271	ng	98
24) Nitrobenzene	8.99	77	133474	7.577	ng	99
25) Isophorone	9.50	82	252985	7.603	ng	99
26) 2-Nitrophenol	9.69	139	54909	6.365	ng	97
27) 2,4-Dimethylphenol	9.75	122	100251	7.968	ng	97
28) bis(2-Chloroethoxy)methane	9.99	93	158883	7.684	ng	99
29) 2,4-Dichlorophenol	10.22	162	112078	6.883	ng	99
30) 1,2,4-Trichlorobenzene	10.43	180	138778	7.230	ng	96
31) Naphthalene	10.62	128	380651	7.761	ng	98
32) Benzoic acid	9.83	122	47773	4.694	ng	97
33) 4-Chloroaniline	10.74	127	160135	7.192	ng	98
34) Hexachlorobutadiene	10.89	225	83117	6.858	ng	99
35) Caprolactam	11.53	113	36852	7.236	ng	96
36) 4-Chloro-3-methylphenol	11.86	107	125916	7.599	ng	98
37) 2-Methylnaphthalene	12.23	142	303409	8.039	ng	99
38) 1-Methylnaphthalene	12.45	142	291964	8.111	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.60	216	182575	7.499	ng	99

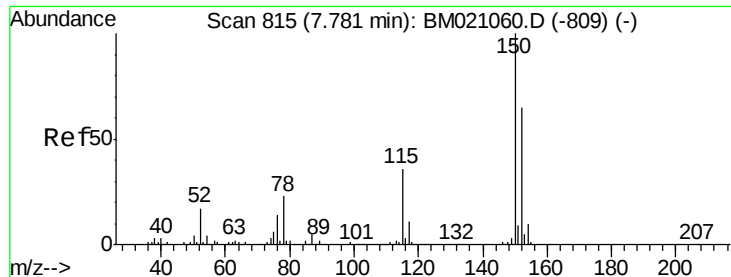
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062019\
 Data File : BM021069.D
 Acq On : 21 Jun 2019 00:58
 Operator : HP/JU
 Sample : K2241-03
 Misc : LOD-S-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Quant Time: Jun 21 04:16:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.57	237	91987	6.517	ng	99
43) 2,4,6-Trichlorophenol	12.84	196	104899	6.511	ng	99
44) 2,4,5-Trichlorophenol	12.92	196	118018	7.074	ng	99
46) 1,1'-Biphenyl	13.25	154	441707	8.023	ng	99
47) 2-Chloronaphthalene	13.29	162	326302	7.297	ng	99
48) 2-Nitroaniline	13.51	65	76626	6.264	ng	97
49) Acenaphthylene	14.14	152	522037	7.672	ng	99
50) Dimethylphthalate	13.88	163	438266	7.663	ng	100
51) 2,6-Dinitrotoluene	14.00	165	90197	7.331	ng	92
52) Acenaphthene	14.49	154	310502	7.563	ng	97
53) 3-Nitroaniline	14.34	138	83861	6.686	ng	96
54) 2,4-Dinitrophenol	14.54	184	37887	5.732	ng	94
55) Dibenzofuran	14.82	168	528519	7.891	ng	99
56) 4-Nitrophenol	14.64	139	69111	7.205	ng	90
57) 2,4-Dinitrotoluene	14.79	165	120492	7.092	ng	94
58) Fluorene	15.47	166	427208	7.807	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.04	232	120059	7.531	ng	96
60) Diethylphthalate	15.24	149	441034	7.830	ng	98
61) 4-Chlorophenyl-phenylether	15.47	204	233180	7.543	ng	96
62) 4-Nitroaniline	15.50	138	90074	6.842	ng	96
63) Azobenzene	15.76	77	361847	7.831	ng	96
65) 4,6-Dinitro-2-methylphenol	15.56	198	55870	5.518	ng	97
66) n-Nitrosodiphenylamine	15.68	169	381485	7.370	ng	98
67) 4-Bromophenyl-phenylether	16.36	248	148488	6.792	ng	96
68) Hexachlorobenzene	16.47	284	177936	6.813	ng	97
69) Atrazine	16.63	200	131457	7.810	ng	98
70) Pentachlorophenol	16.82	266	88934	6.320	ng	98
71) Phenanthrene	17.21	178	736572	7.783	ng	100
72) Anthracene	17.30	178	715384	7.631	ng	100
73) Carbazole	17.57	167	645324	7.785	ng	99
74) Di-n-butylphthalate	18.13	149	751209	7.403	ng	99
75) Fluoranthene	19.23	202	900345	8.238	ng	99
77) Benzidine	19.42	184	377503	7.018	ng	99
78) Pyrene	19.59	202	944690	7.032	ng	99
80) Butylbenzylphthalate	20.49	149	343342	6.412	ng	99
81) Benzo(a)anthracene	21.33	228	955515	7.567	ng	100
82) 3,3'-Dichlorobenzidine	21.27	252	361567	7.560	ng	98
83) Chrysene	21.39	228	948788	7.887	ng	100
84) Bis(2-ethylhexyl)phthalate	21.26	149	525927	6.901	ng	98
85) Di-n-octyl phthalate	22.15	149	885390	7.387	ng	99
86) Indeno(1,2,3-cd)pyrene	25.93	276	1156383	8.688	ng	99
88) Benzo(b)fluoranthene	22.94	252	1028636	7.129	ng	98
89) Benzo(k)fluoranthene	22.99	252	1023705	7.339	ng	100
90) Benzo(a)pyrene	23.53	252	979029	7.519	ng	99
91) Dibenzo(a,h)anthracene	25.94	278	973214	7.497	ng	100
92) Benzo(g,h,i)perylene	26.63	276	943975	7.798	ng	99

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

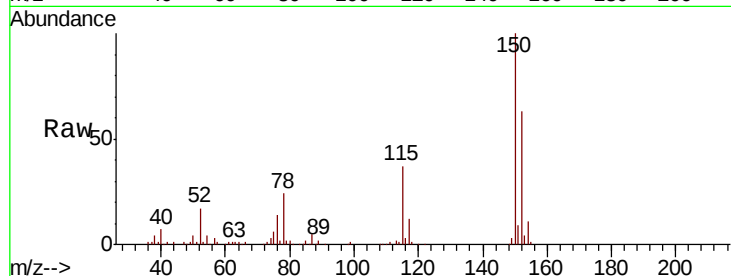


#1

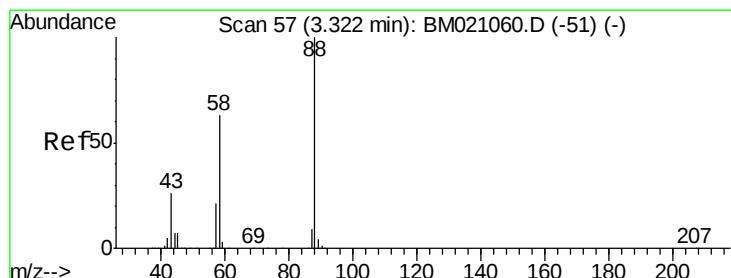
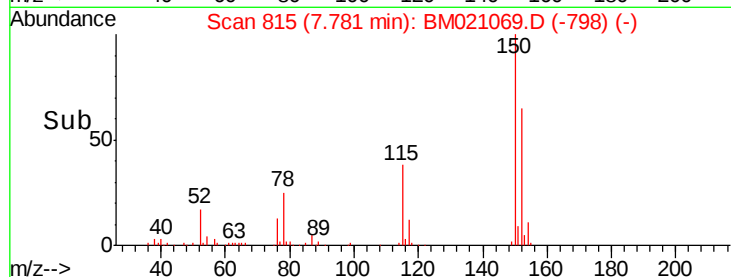
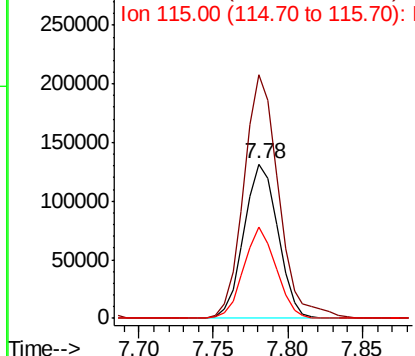
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.78 min Scan# 815
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:152 Resp: 206931
Ion Ratio Lower Upper
152 100
150 158.0 123.1 184.7
115 59.2 44.2 66.4



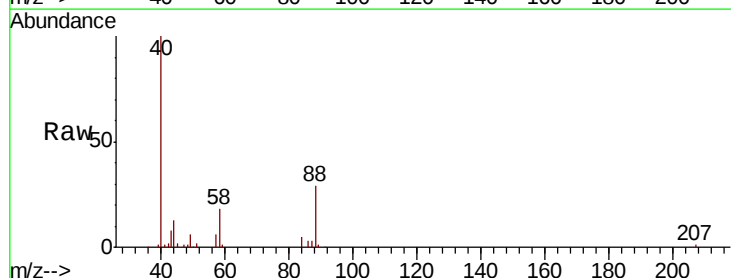
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



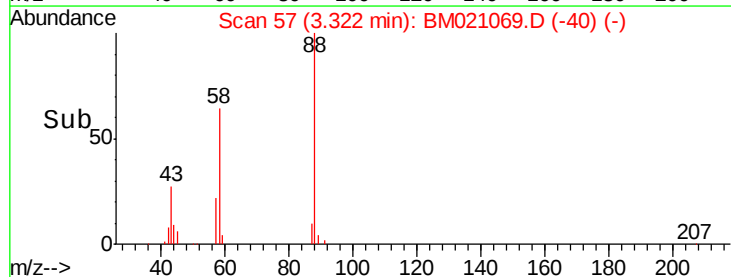
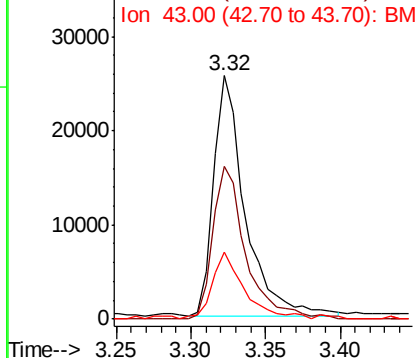
#2

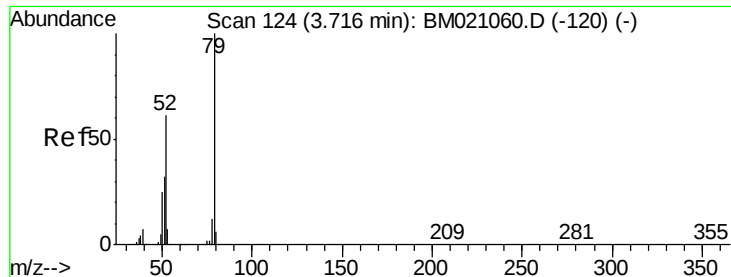
1,4-Dioxane
Concen: 8.711 ng
RT: 3.32 min Scan# 57
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion: 88 Resp: 37507
Ion Ratio Lower Upper
88 100
58 66.8 51.9 77.9
43 28.5 21.4 32.2



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: 7.116 ng

RT: 3.73 min Scan# 127

Delta R.T. 0.02 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

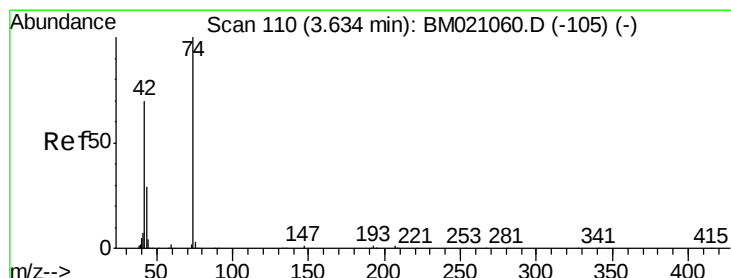
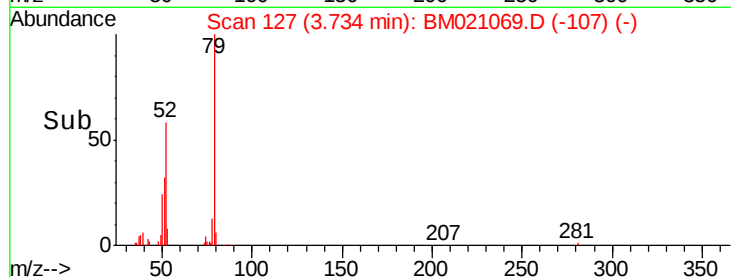
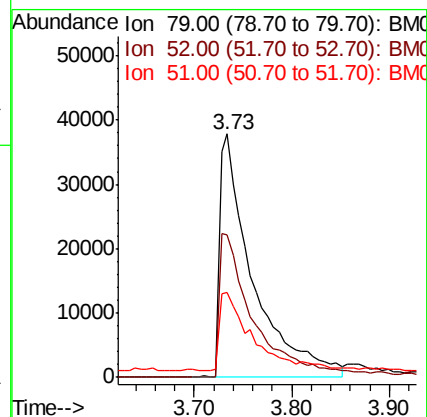
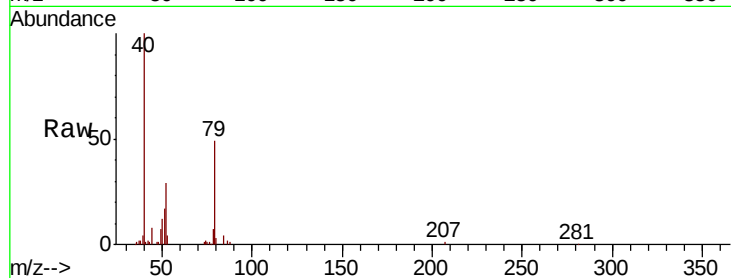
Tgt Ion: 79 Resp: 88102

Ion Ratio Lower Upper

79 100

52 58.5 48.8 73.2

51 35.0 25.7 38.5



#4

n-Nitrosodimethylamine

Concen: 7.377 ng

RT: 3.64 min Scan# 111

Delta R.T. 0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

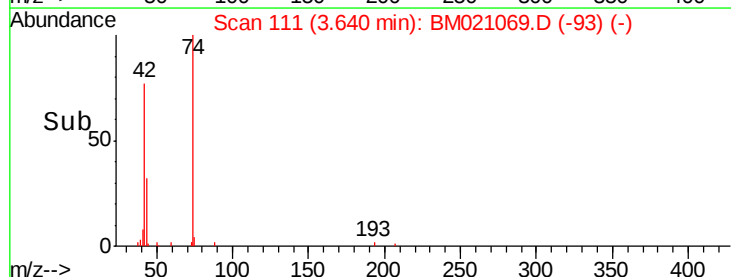
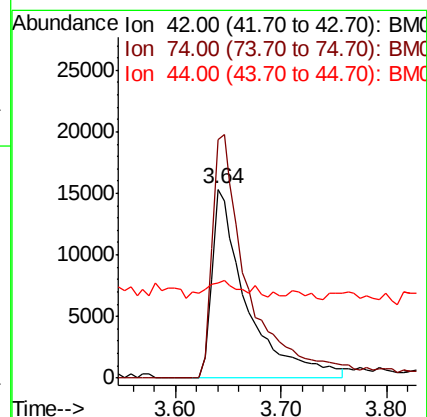
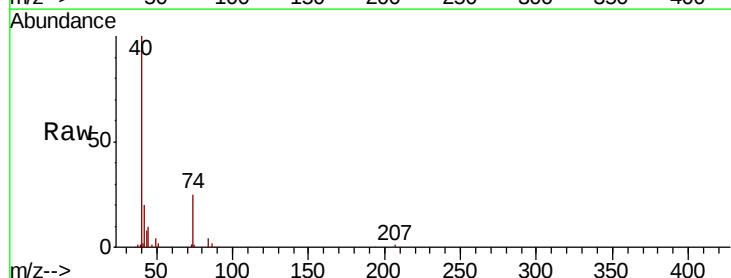
Tgt Ion: 42 Resp: 35170

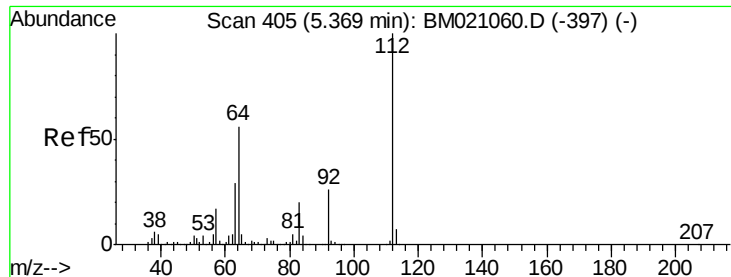
Ion Ratio Lower Upper

42 100

74 126.7 113.8 170.6

44 50.7 8.2 12.2#





#5

2-Fluorophenol

Concen: 33.077 ng

RT: 5.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

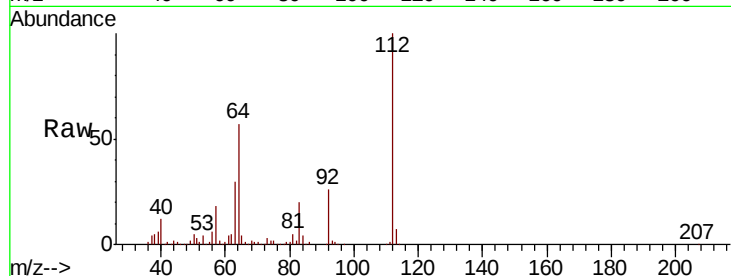
Tgt Ion: 112 Resp: 378009

Ion Ratio Lower Upper

112 100

64 57.0 45.2 67.8

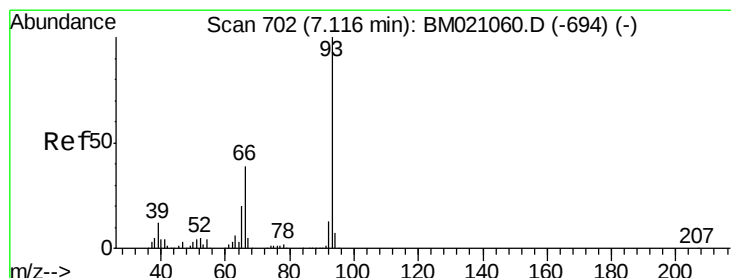
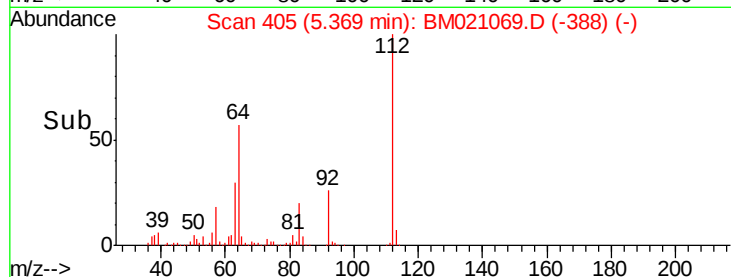
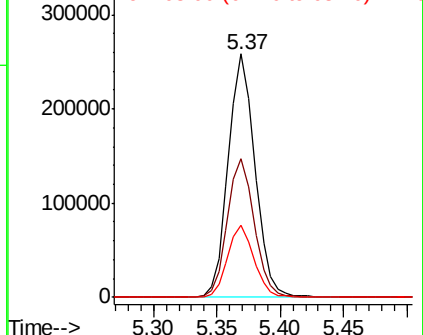
63 29.9 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 7.046 ng

RT: 7.12 min Scan# 702

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

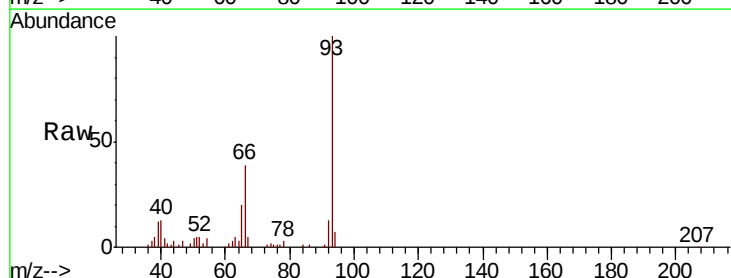
Tgt Ion: 93 Resp: 156185

Ion Ratio Lower Upper

93 100

66 38.9 31.3 46.9

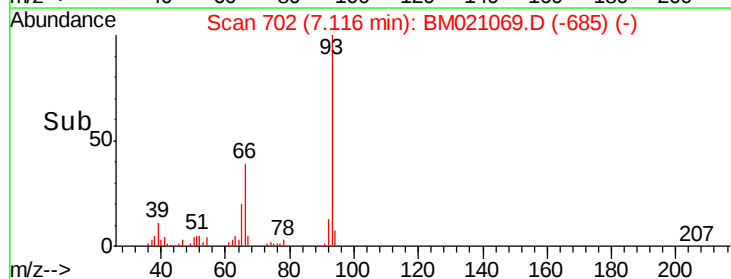
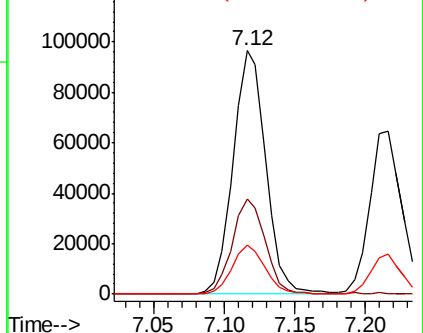
65 20.1 15.9 23.9

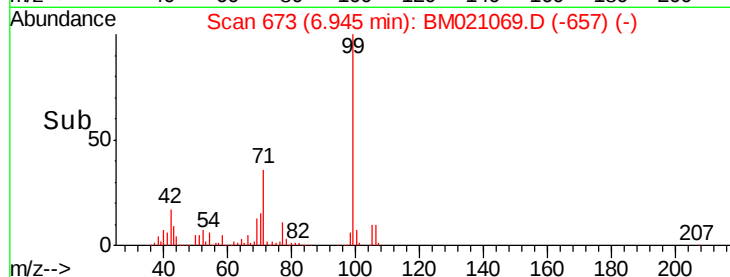
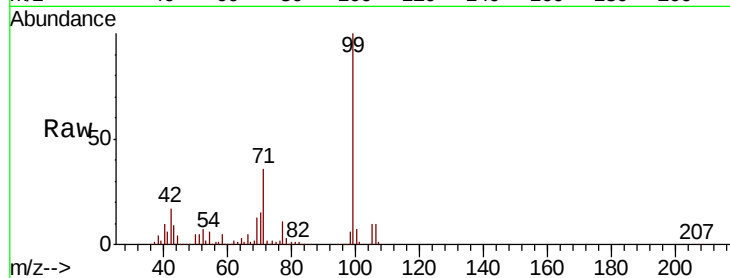
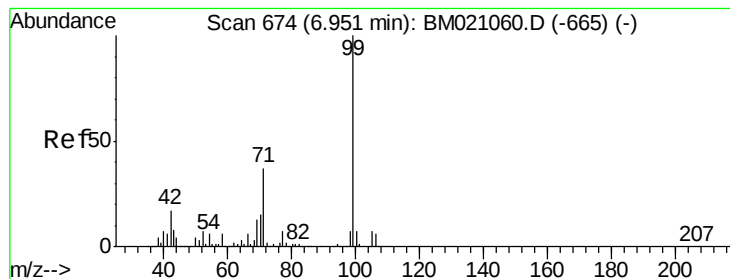


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 32.728 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

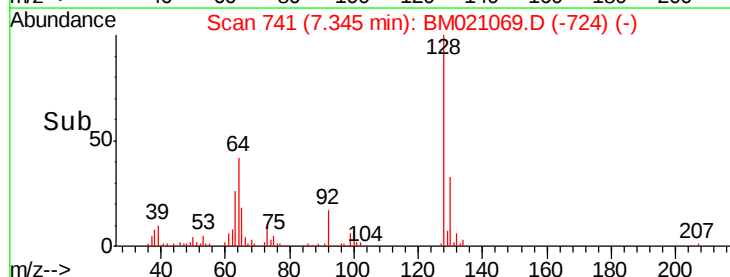
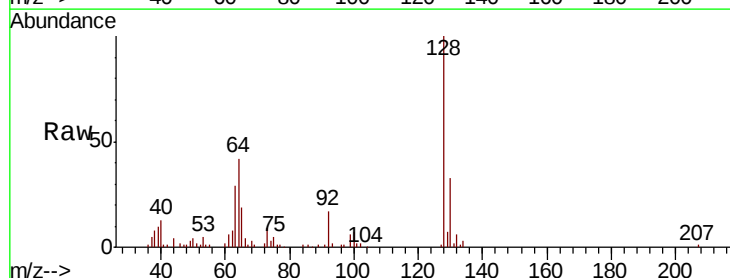
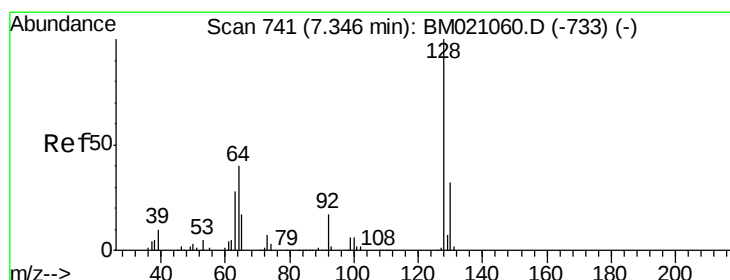
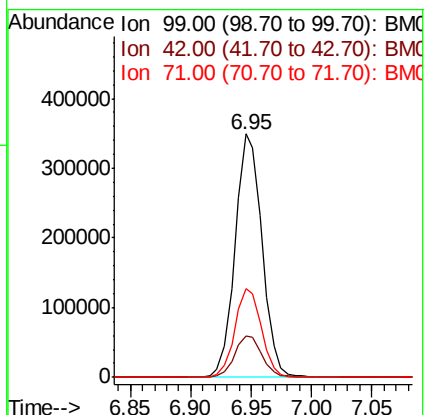
Tgt Ion: 99 Resp: 544668

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 36.4 29.3 43.9



#8

2-Chlorophenol

Concen: 7.513 ng

RT: 7.35 min Scan# 741

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

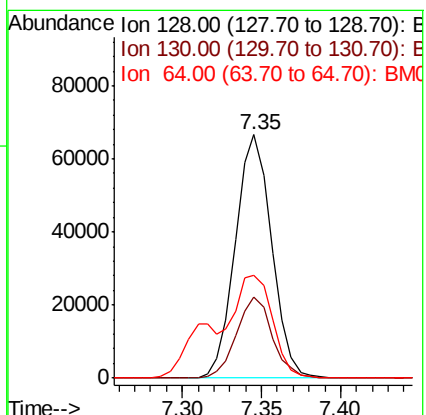
Tgt Ion: 128 Resp: 105667

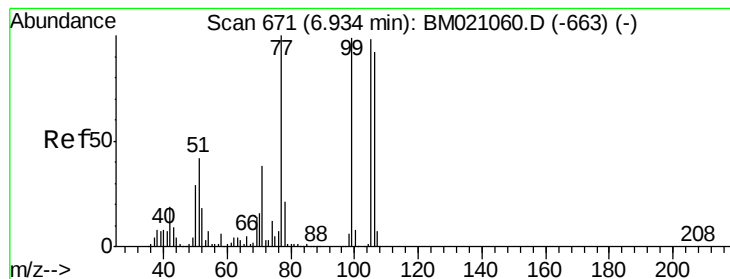
Ion Ratio Lower Upper

128 100

130 33.2 12.2 52.2

64 42.2 23.2 63.2





#9

Benzaldehyde

Concen: 7.495 ng

RT: 6.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

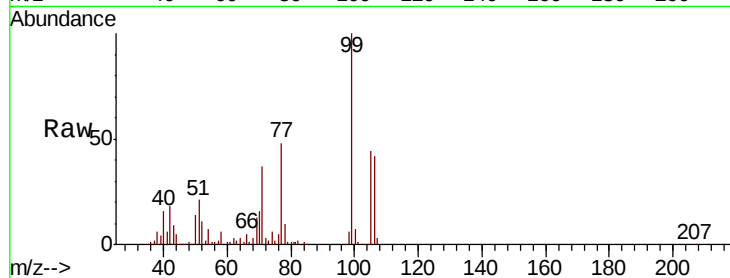
Tgt Ion: 77 Resp: 102161

Ion Ratio Lower Upper

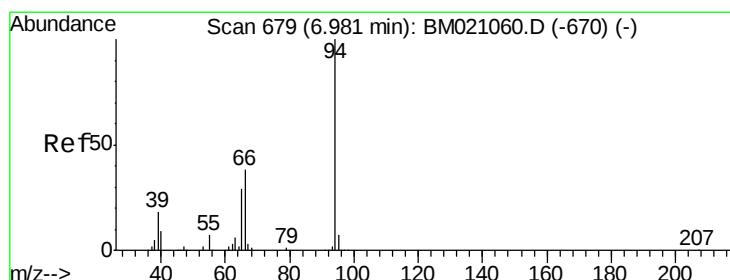
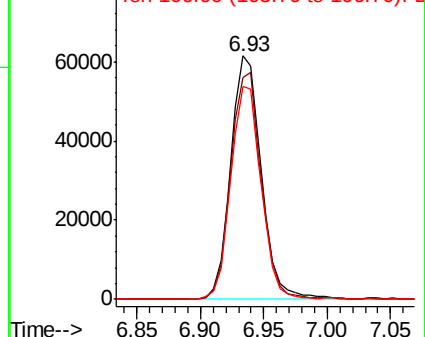
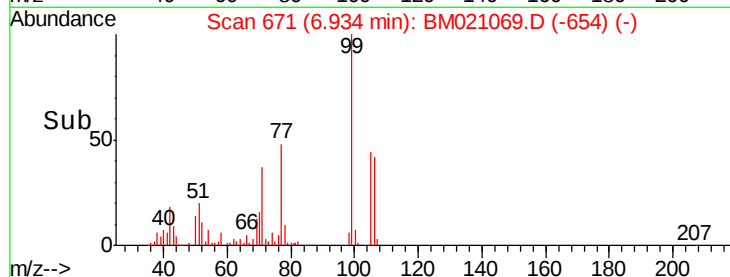
77 100

105 91.3 77.8 117.8

106 87.4 71.8 111.8



Abundance Ion 77.00 (76.70 to 77.70): BM021069.D (-654) (-)



#10

Phenol

Concen: 7.371 ng

RT: 6.97 min Scan# 678

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

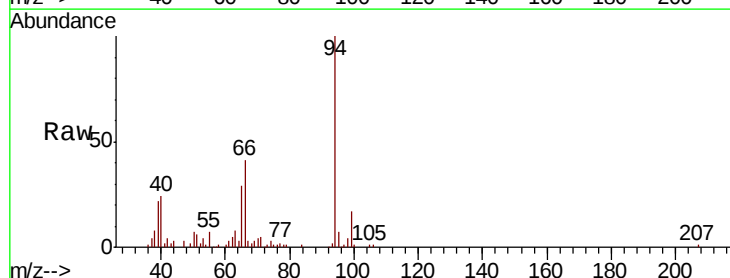
Tgt Ion: 94 Resp: 125328

Ion Ratio Lower Upper

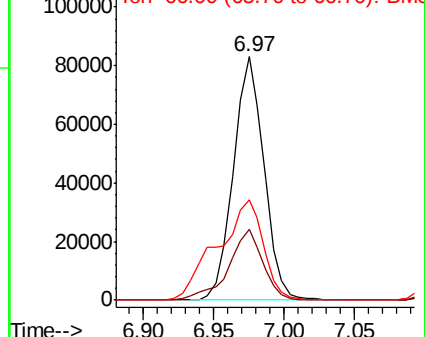
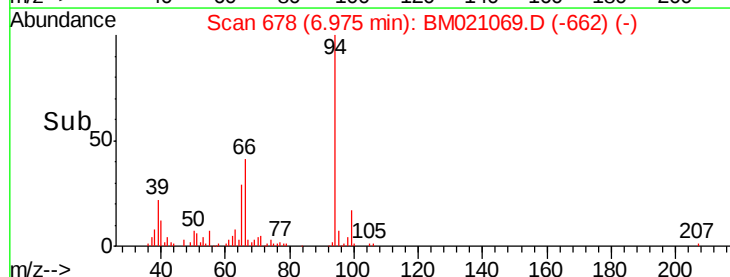
94 100

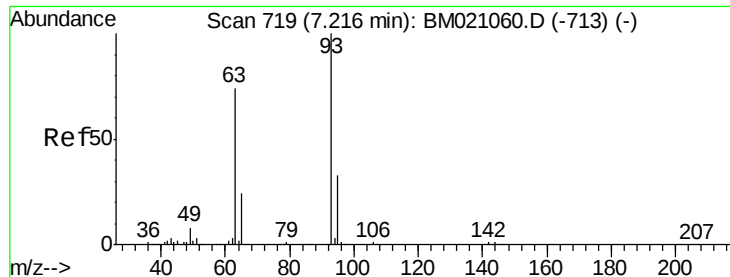
65 29.0 8.7 48.7

66 41.3 19.0 59.0



Abundance Ion 94.00 (93.70 to 94.70): BM021069.D (-662) (-)

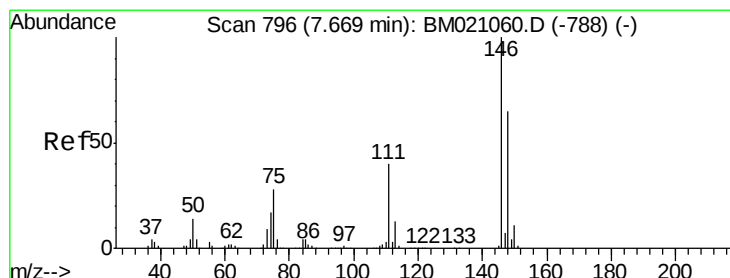
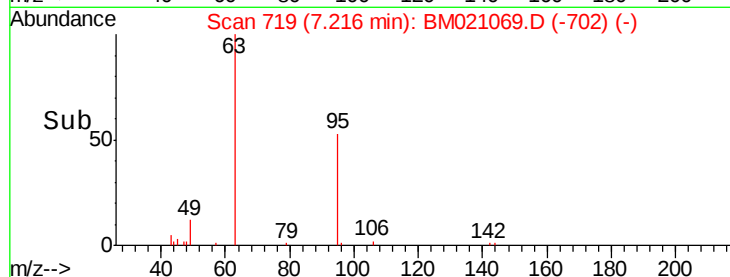
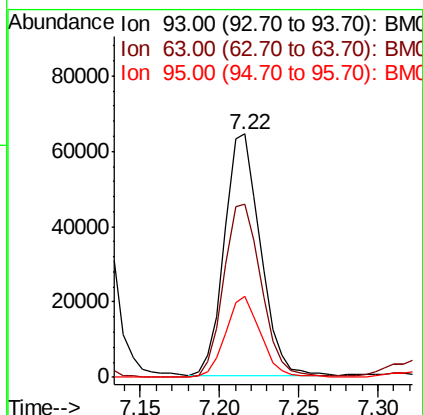
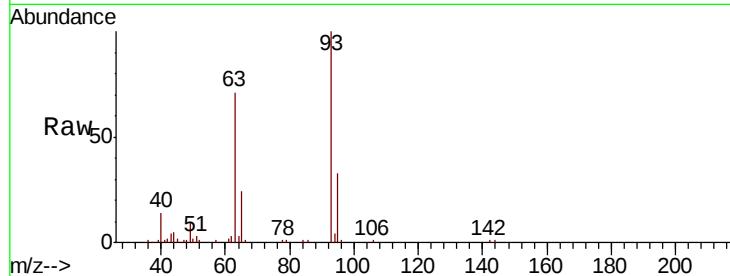




#11
bis(2-Chloroethyl)ether
Concen: 7.473 ng
RT: 7.22 min Scan# 719
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

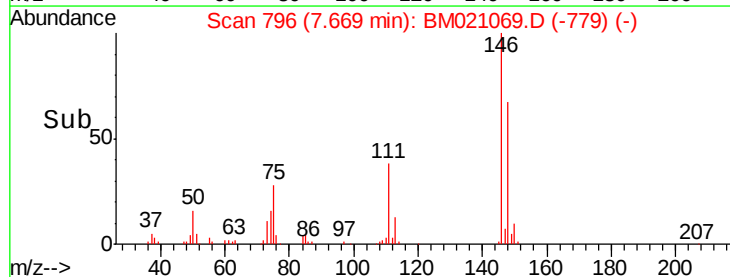
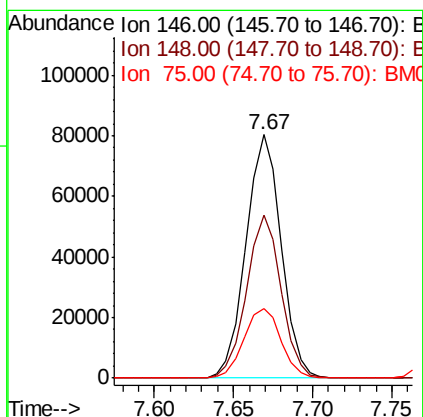
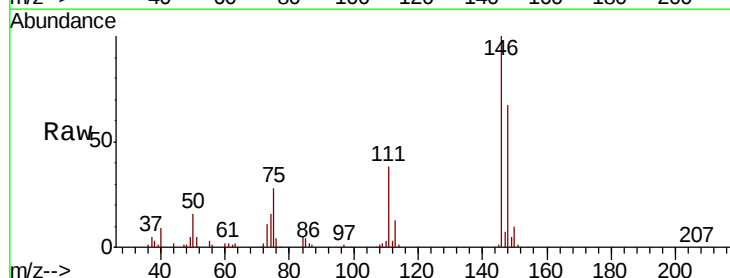
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

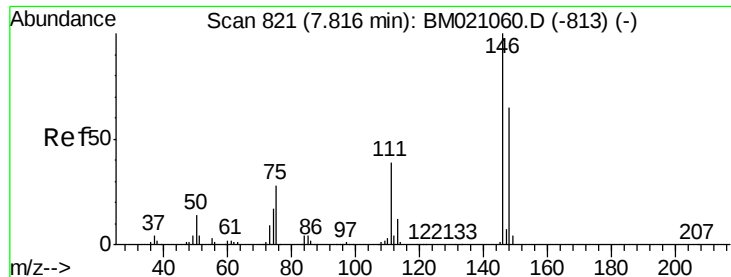
Tgt Ion: 93 Resp: 100586
Ion Ratio Lower Upper
93 100
63 71.1 53.4 93.4
95 33.3 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 7.271 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion: 146 Resp: 123901
Ion Ratio Lower Upper
146 100
148 66.8 52.2 78.2
75 28.5 22.2 33.4

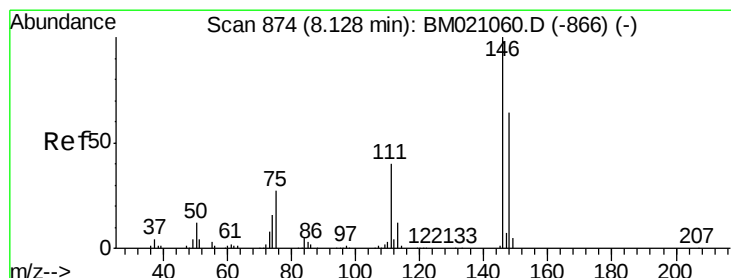
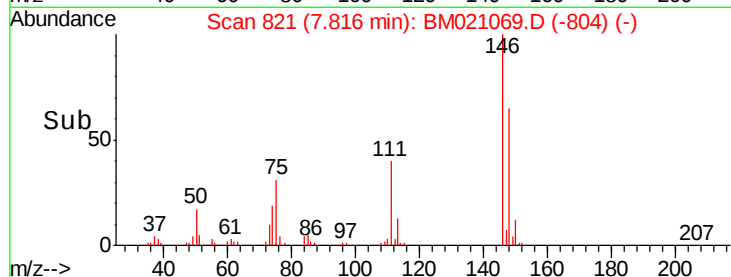
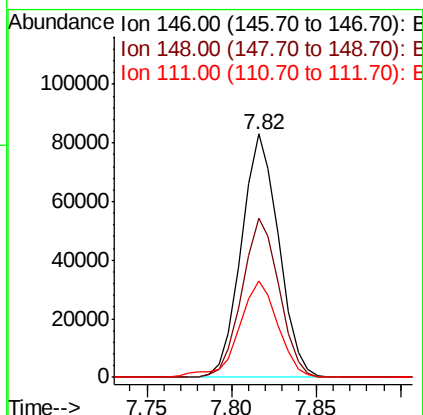
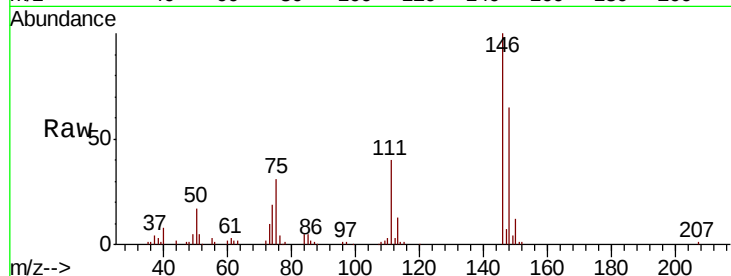




#13
 1,4-Dichlorobenzene
 Concen: 7.375 ng
 RT: 7.82 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

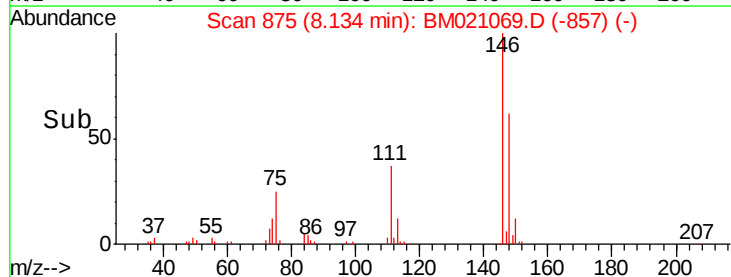
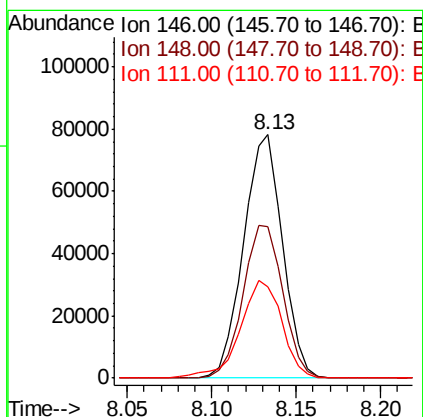
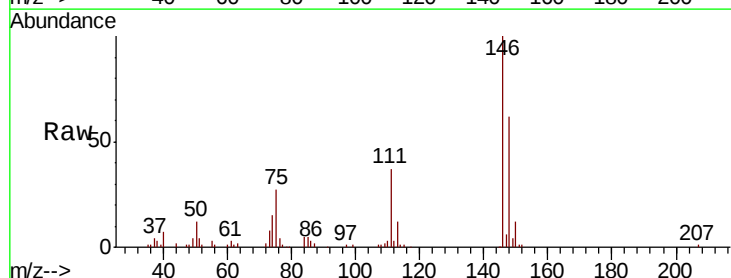
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

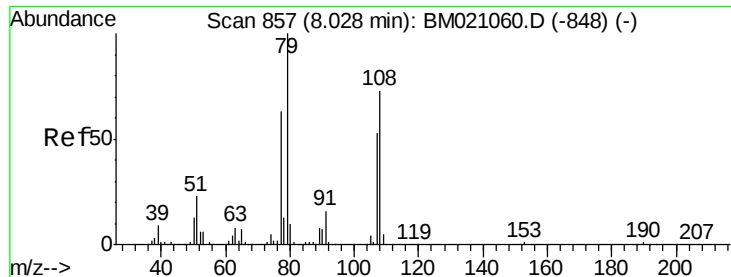
Tgt Ion:146 Resp: 127761
 Ion Ratio Lower Upper
 146 100
 148 65.5 51.9 77.9
 111 39.8 31.4 47.0



#14
 1,2-Dichlorobenzene
 Concen: 7.409 ng
 RT: 8.13 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

Tgt Ion:146 Resp: 125782
 Ion Ratio Lower Upper
 146 100
 148 62.0 51.2 76.8
 111 37.4 32.8 49.2





#15

Benzyl Alcohol

Concen: 7.211 ng

RT: 8.03 min Scan# 857

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

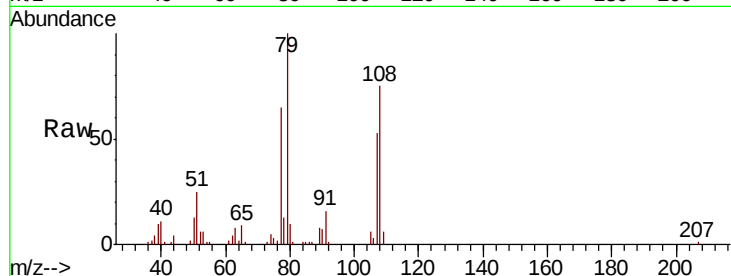
Tgt Ion: 79 Resp: 97172

Ion Ratio Lower Upper

79 100

108 74.8 58.4 87.6

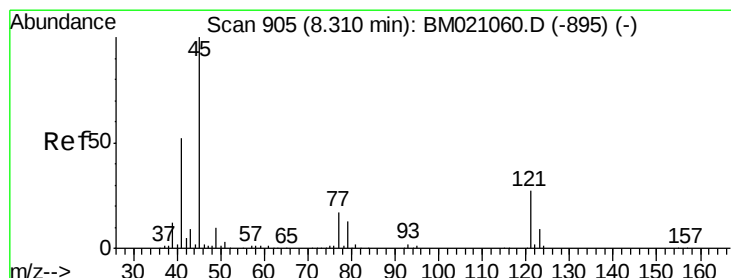
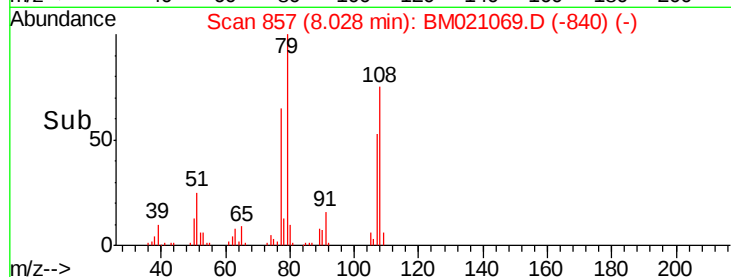
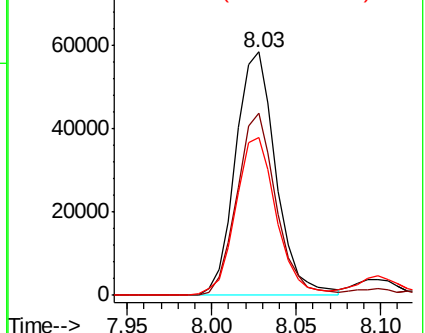
77 64.6 50.1 75.1



Abundance Ion 79.00 (78.70 to 79.70): BMC

Ion 108.00 (107.70 to 108.70): BMC

Ion 77.00 (76.70 to 77.70): BMC



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.902 ng

RT: 8.30 min Scan# 904

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

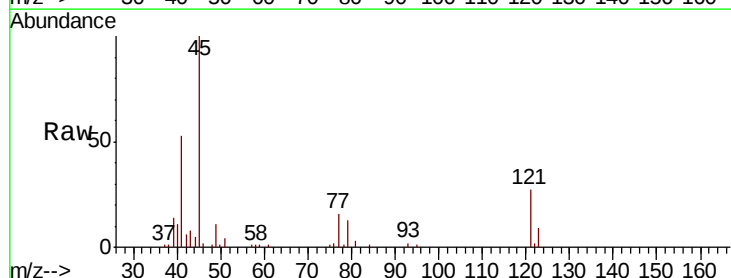
Tgt Ion: 45 Resp: 137580

Ion Ratio Lower Upper

45 100

77 16.4 0.0 37.5

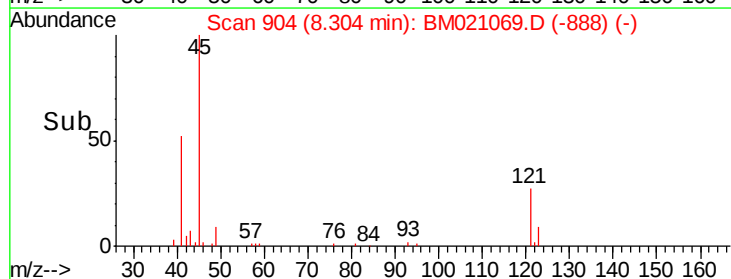
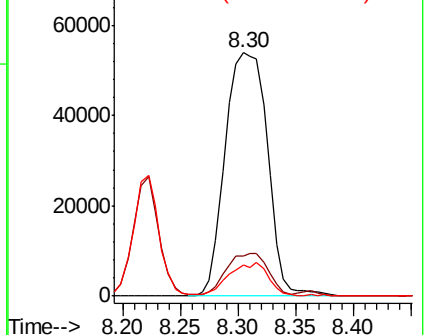
79 12.8 0.0 33.5

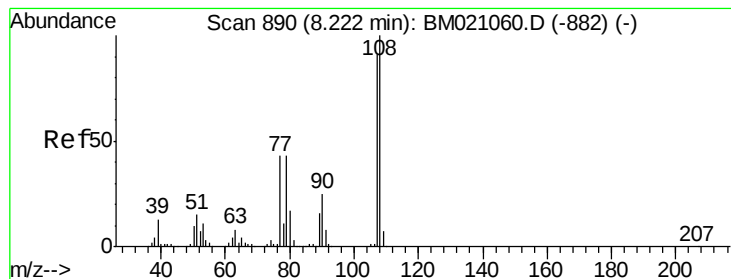


Abundance Ion 45.00 (44.70 to 45.70): BMC

Ion 77.00 (76.70 to 77.70): BMC

Ion 79.00 (78.70 to 79.70): BMC

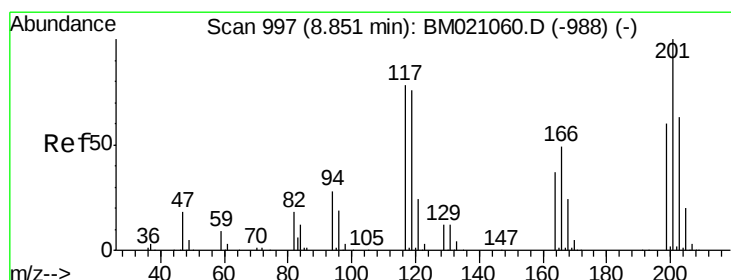
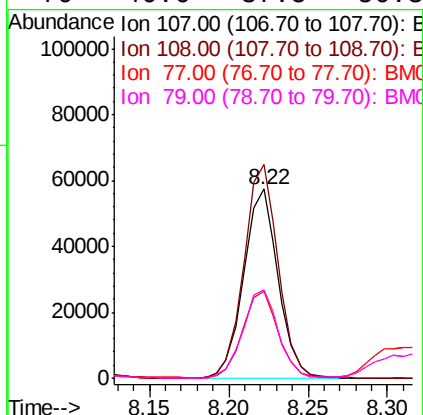
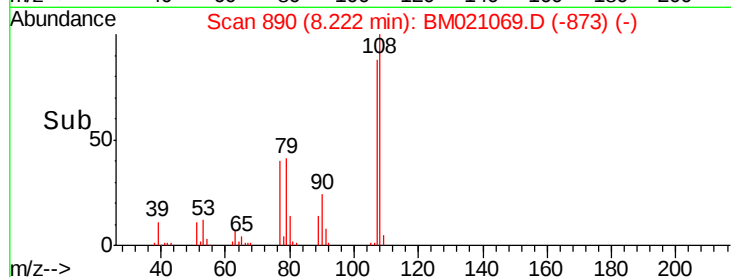
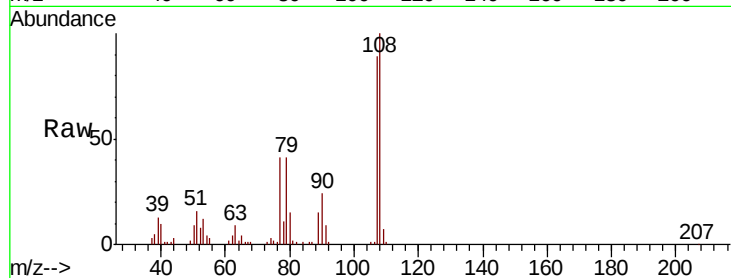




#17
2-Methylphenol
Concen: 7.128 ng
RT: 8.22 min Scan# 890
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

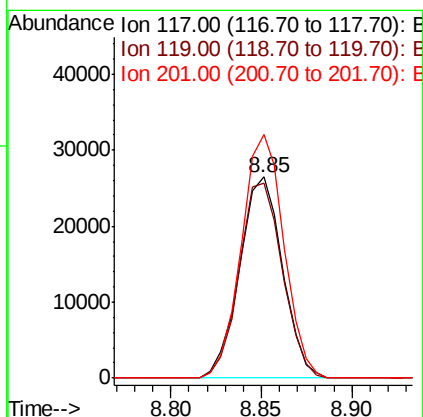
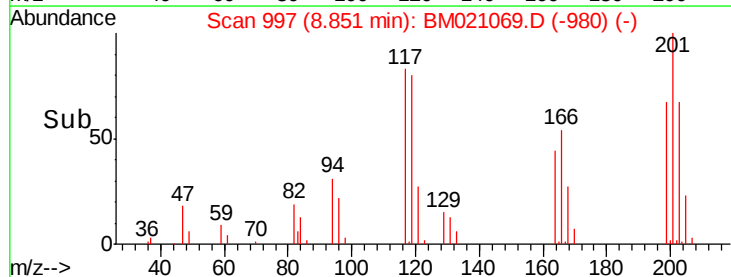
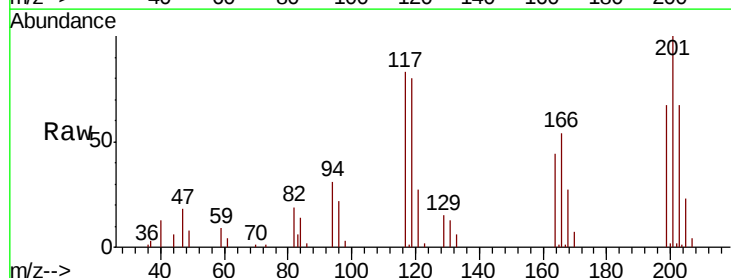
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

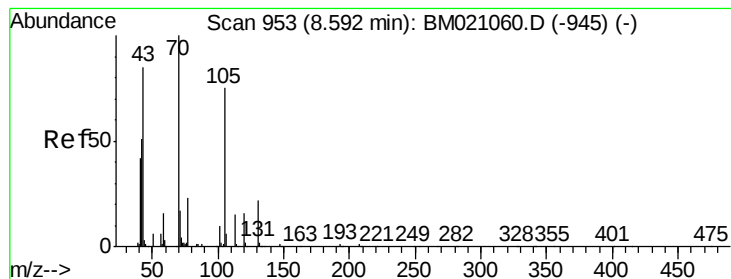
Tgt Ion:	107	Resp:	86571
Ion	Ratio	Lower	Upper
107	100		
108	113.0	87.5	131.3
77	46.2	37.8	56.8
79	46.6	37.5	56.3



#18
Hexachloroethane
Concen: 6.987 ng
RT: 8.85 min Scan# 997
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:	117	Resp:	43461
Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.5	116.3
201	121.2	102.3	153.5





#19

n-Nitroso-di-n-propylamine

Concen: 7.876 ng

RT: 8.59 min Scan# 952

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tgt Ion: 70 Resp: 95390

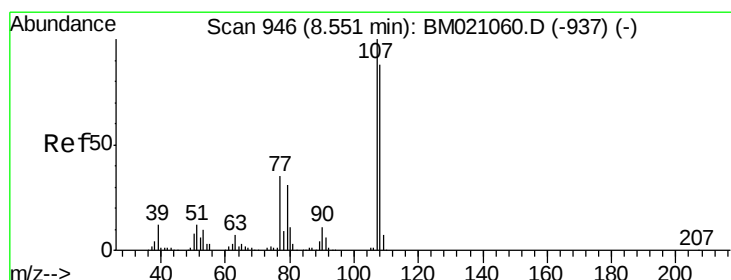
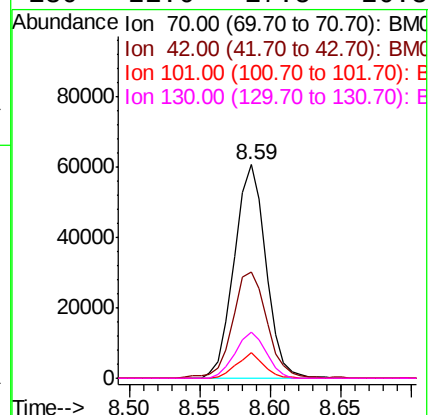
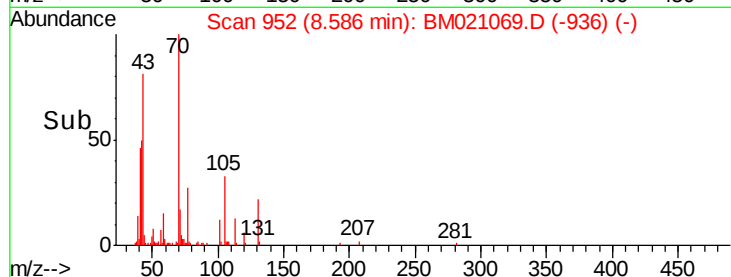
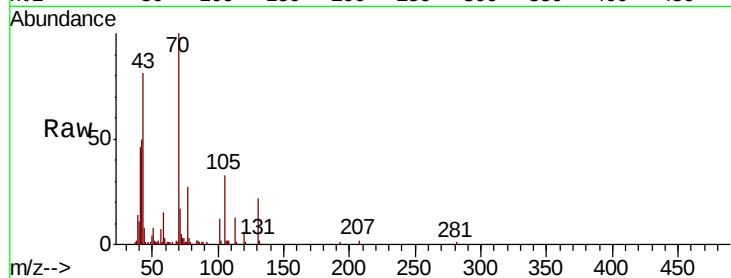
Ion Ratio Lower Upper

70 100

42 49.8 41.9 62.9

101 11.7 8.1 12.1

130 21.6 17.5 26.3



#20

3+4-Methylphenols

Concen: 7.198 ng

RT: 8.55 min Scan# 945

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Tgt Ion: 107 Resp: 120329

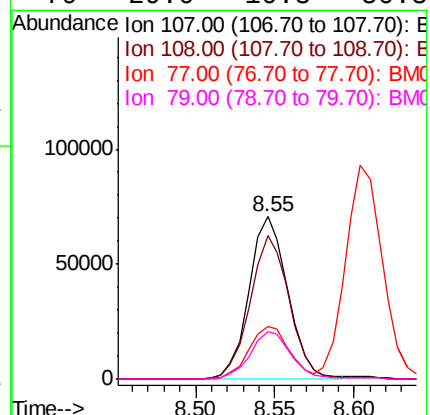
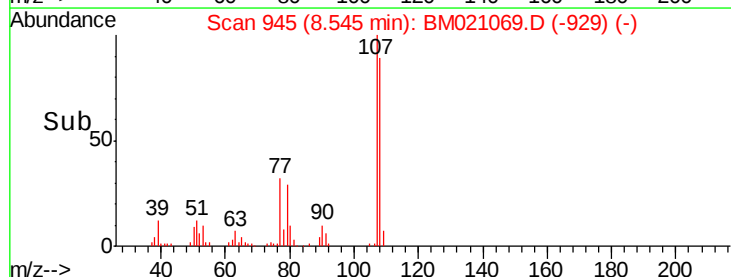
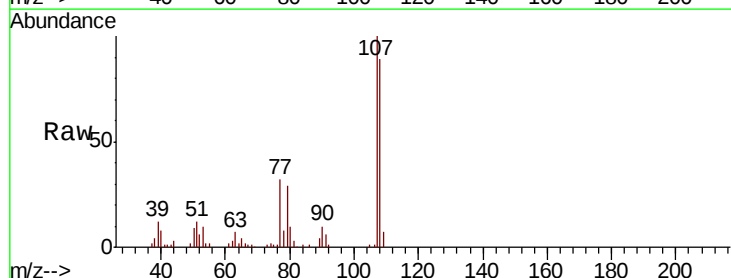
Ion Ratio Lower Upper

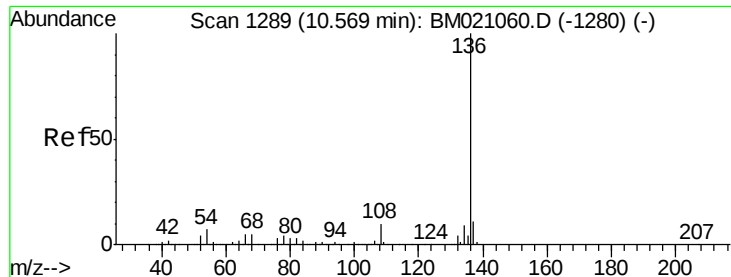
107 100

108 88.7 67.9 107.9

77 32.1 14.6 54.6

79 29.0 10.8 50.8

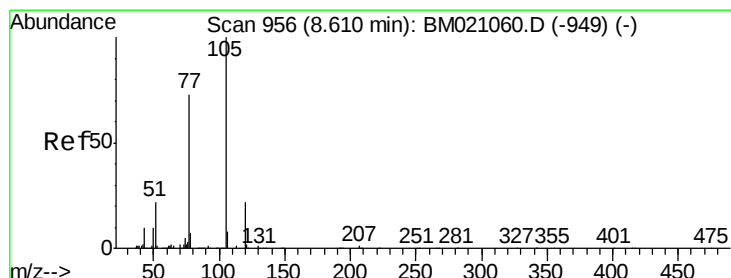
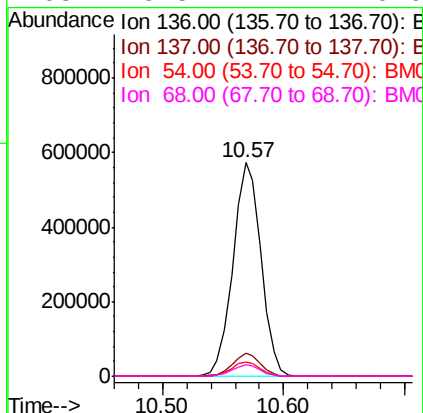
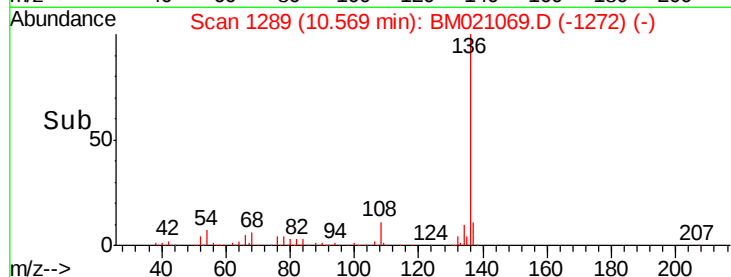
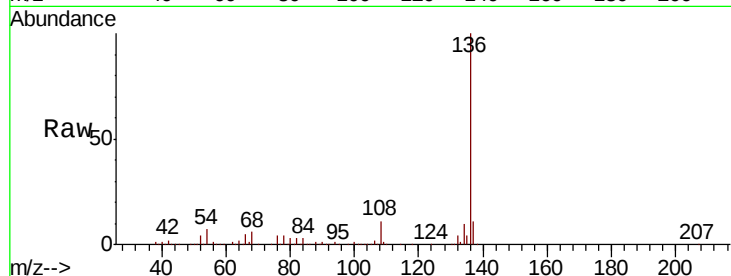




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.57 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

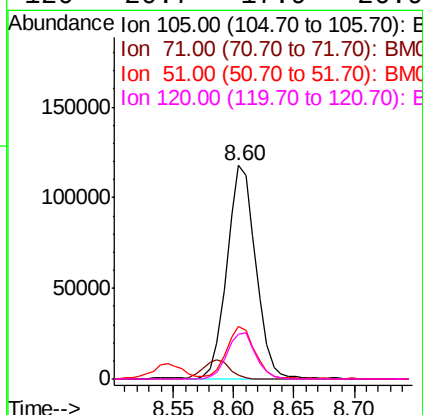
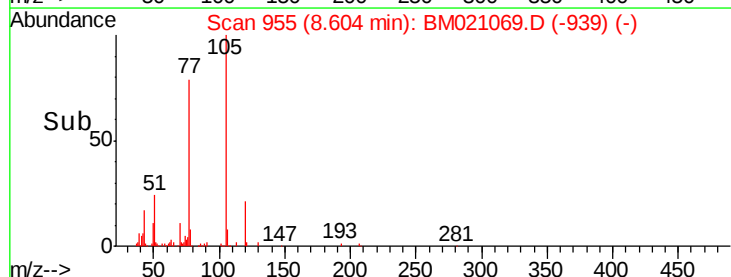
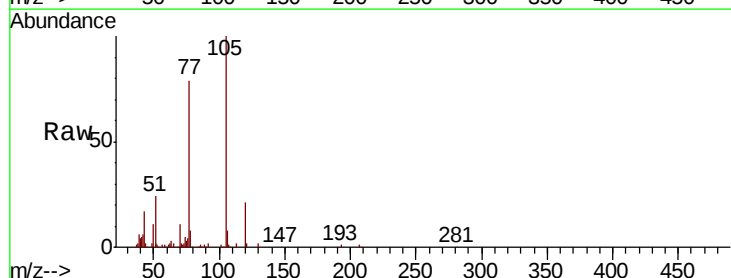
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

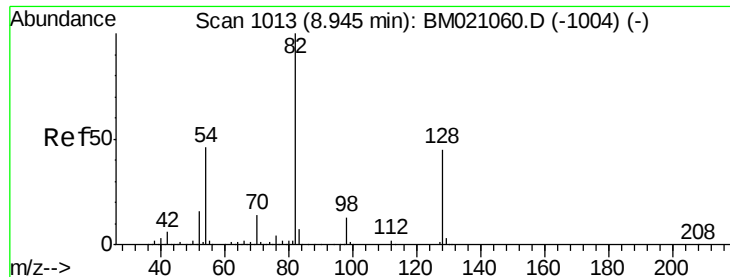
Tgt Ion:	136	Resp:	926856
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.8	5.3	7.9
68	5.5	4.4	6.6



#22
Acetophenone
Concen: 8.271 ng
RT: 8.60 min Scan# 955
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:	105	Resp:	195345
Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.2	1.8
51	24.3	19.1	28.7
120	20.7	17.9	26.9

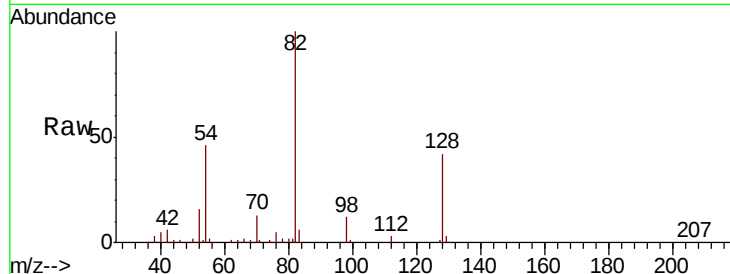




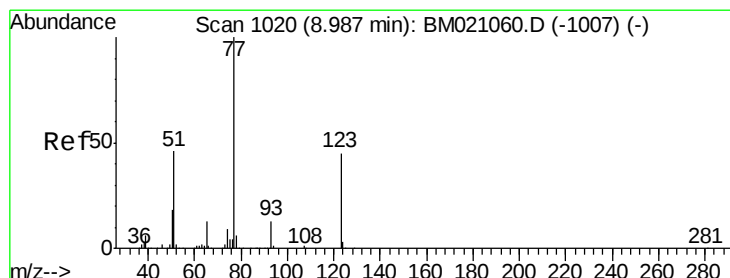
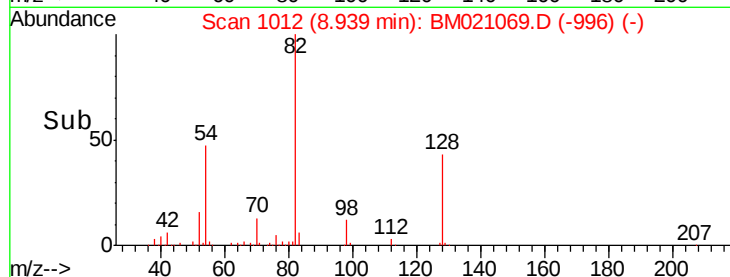
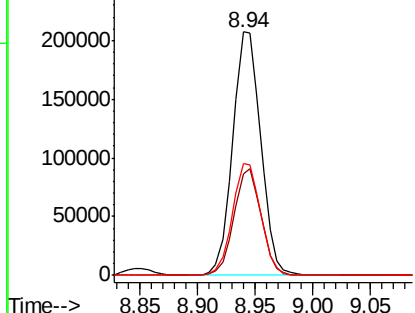
#23
 Nitrobenzene-d5
 Concen: 19.709 ng
 RT: 8.94 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.9	53.9
54	45.9	36.6	55.0

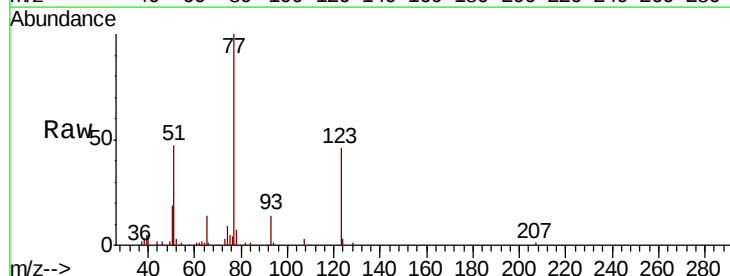


Abundance Ion 82.00 (81.70 to 82.70): BM021060.D (-1004) (-)
 Ion 128.00 (127.70 to 128.70): BM021060.D (-1004) (-)
 Ion 54.00 (53.70 to 54.70): BM021060.D (-1004) (-)

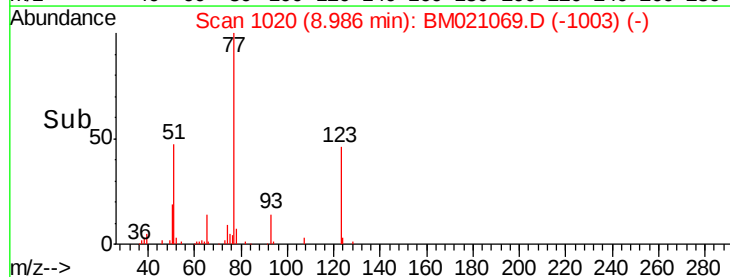
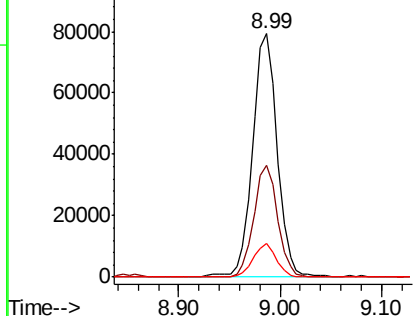


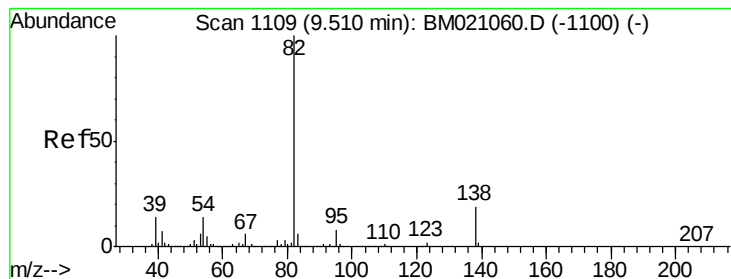
#24
 Nitrobenzene
 Concen: 7.577 ng
 RT: 8.99 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.8	36.3	54.5
65	13.6	10.6	16.0



Abundance Ion 77.00 (76.70 to 77.70): BM021060.D (-1007) (-)
 Ion 123.00 (122.70 to 123.70): BM021060.D (-1007) (-)
 Ion 65.00 (64.70 to 65.70): BM021060.D (-1007) (-)





#25

Isophorone

Concen: 7.603 ng

RT: 9.50 min Scan# 1108

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

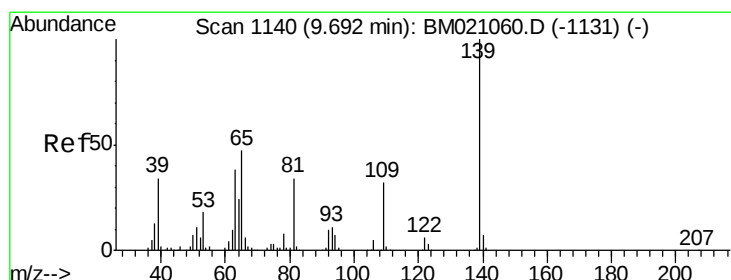
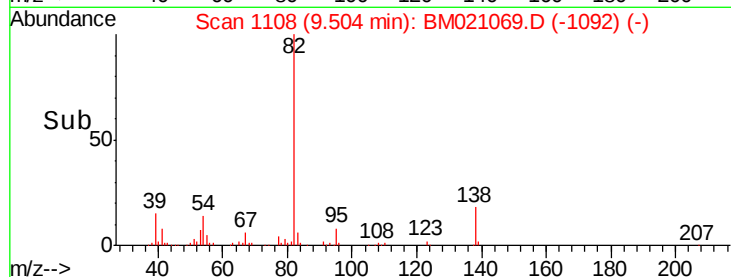
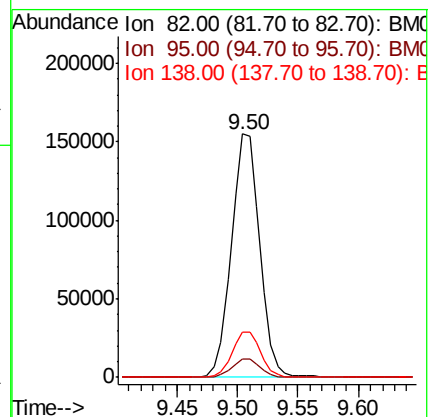
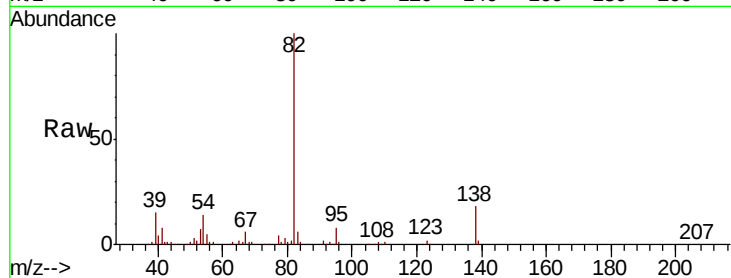
Tgt Ion: 82 Resp: 252985

Ion Ratio Lower Upper

82 100

95 7.6 6.1 9.1

138 18.4 15.0 22.6



#26

2-Nitrophenol

Concen: 6.365 ng

RT: 9.69 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

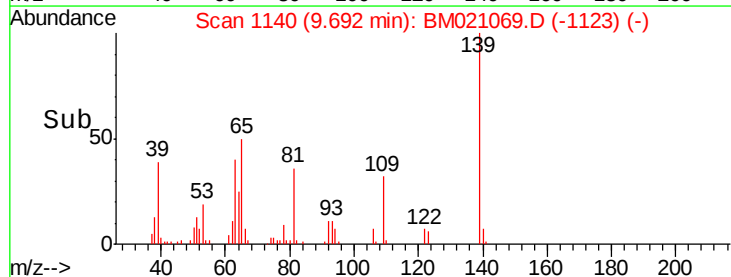
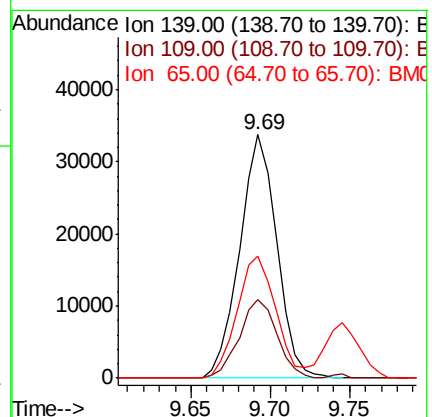
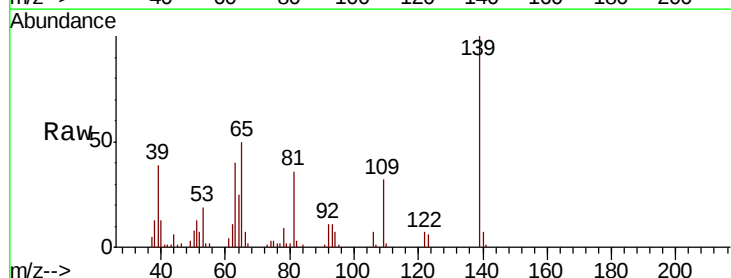
Tgt Ion: 139 Resp: 54909

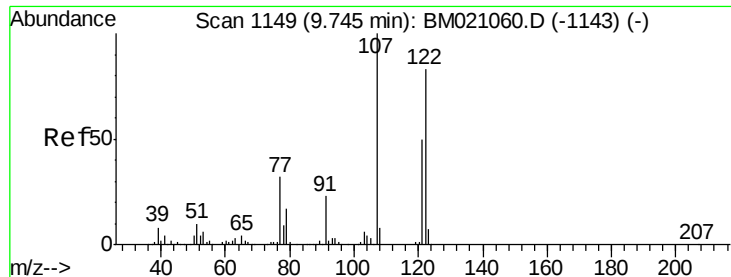
Ion Ratio Lower Upper

139 100

109 32.0 25.2 37.8

65 50.1 37.4 56.0

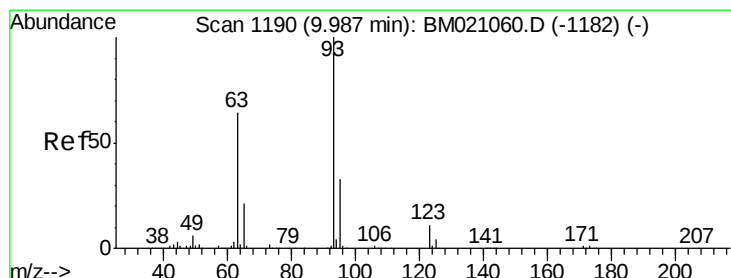
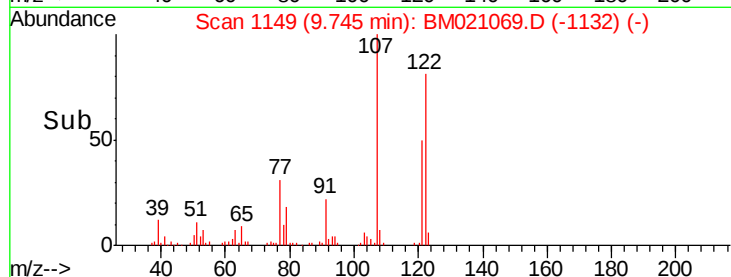
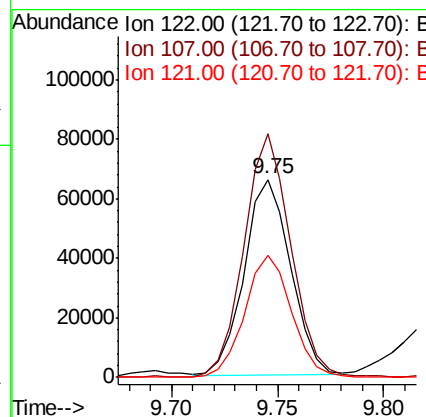
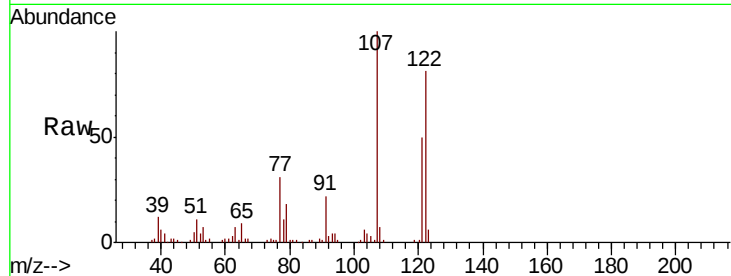




#27
 2,4-Dimethylphenol
 Concen: 7.968 ng
 RT: 9.75 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

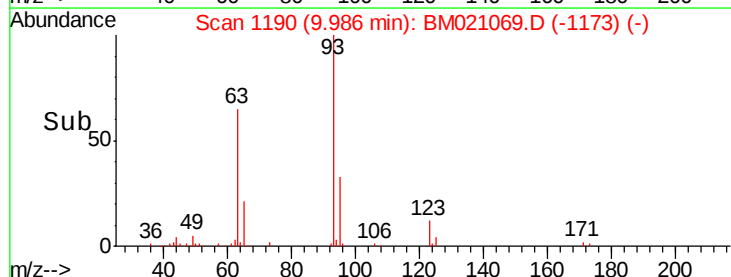
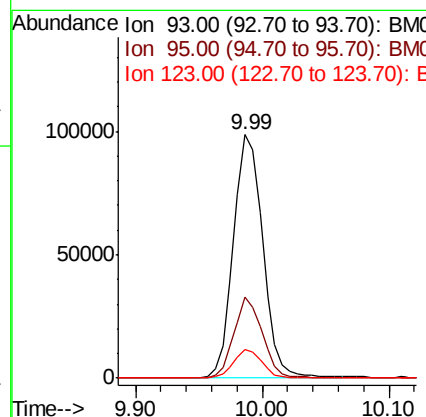
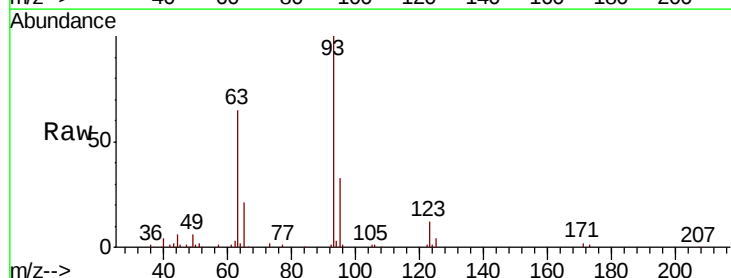
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

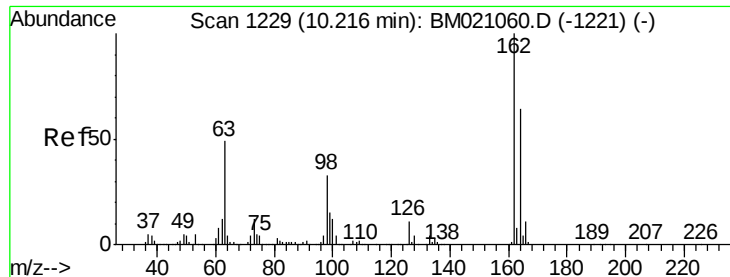
Tgt Ion:122 Resp: 100251
 Ion Ratio Lower Upper
 122 100
 107 123.1 95.3 142.9
 121 61.4 47.5 71.3



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.684 ng
 RT: 9.99 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

Tgt Ion: 93 Resp: 158883
 Ion Ratio Lower Upper
 93 100
 95 33.1 26.2 39.2
 123 11.5 9.0 13.4

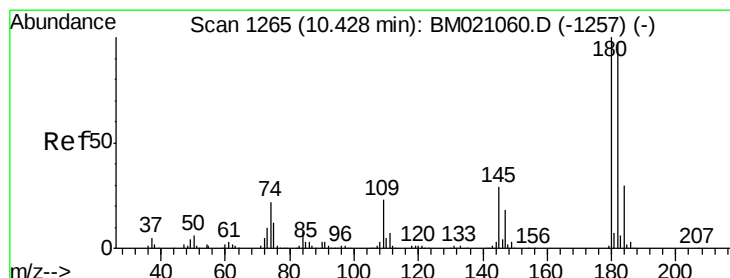
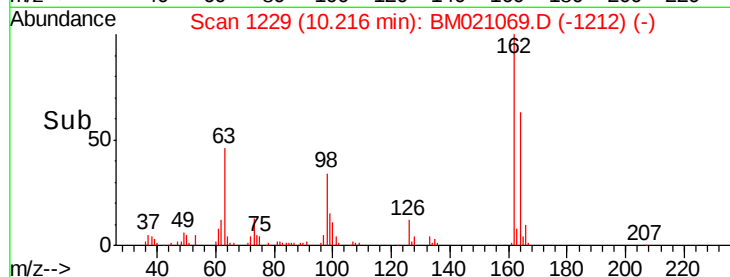
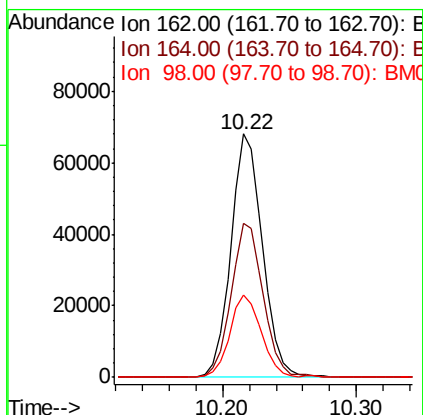
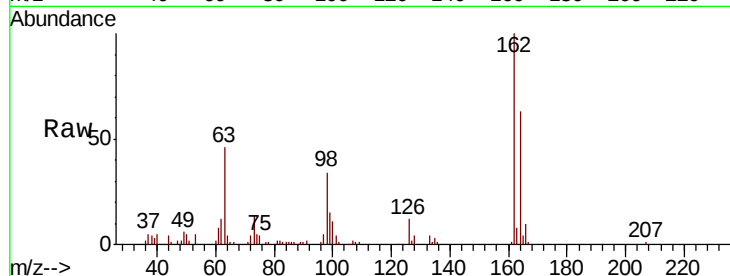




#29
2,4-Dichlorophenol
Concen: 6.883 ng
RT: 10.22 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

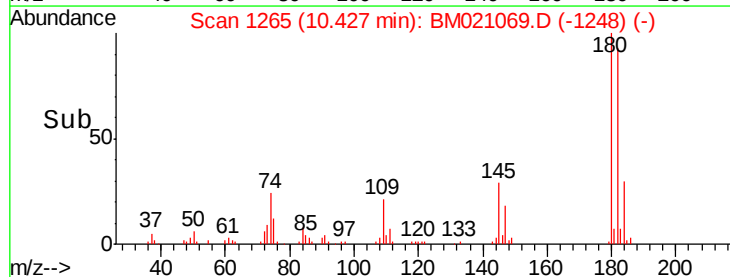
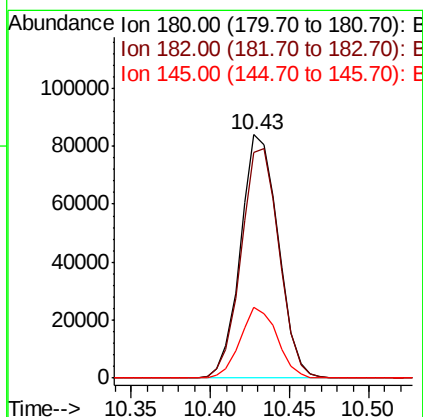
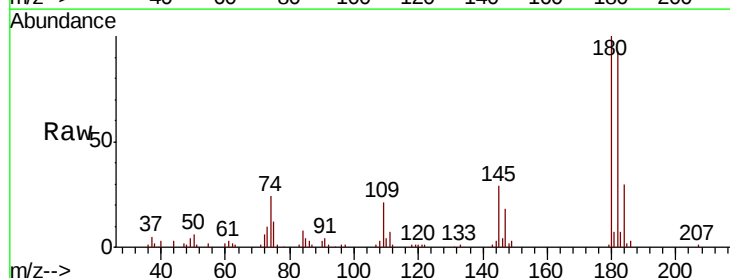
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

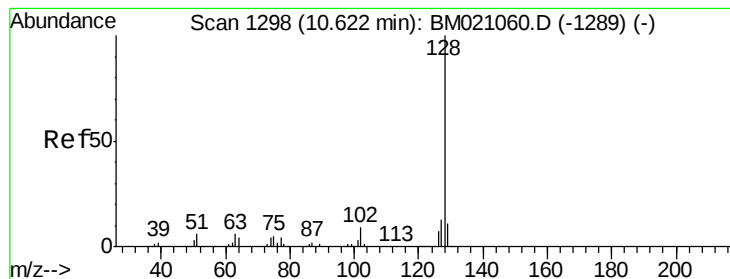
Tgt Ion:162 Resp: 112078
Ion Ratio Lower Upper
162 100
164 63.1 43.7 83.7
98 34.0 13.4 53.4



#30
1,2,4-Trichlorobenzene
Concen: 7.230 ng
RT: 10.43 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:180 Resp: 138778
Ion Ratio Lower Upper
180 100
182 92.8 78.0 117.0
145 29.3 23.4 35.0

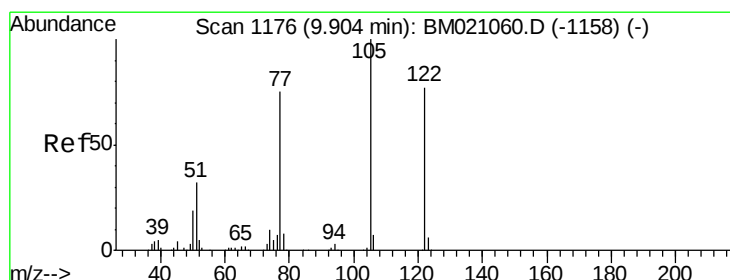
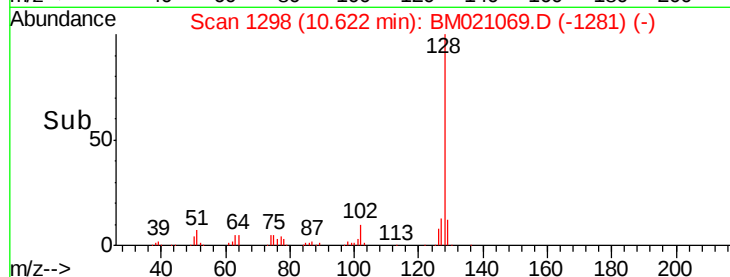
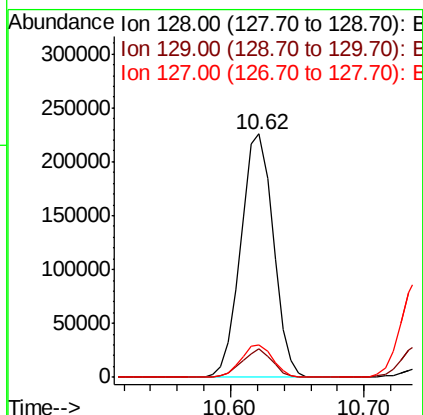
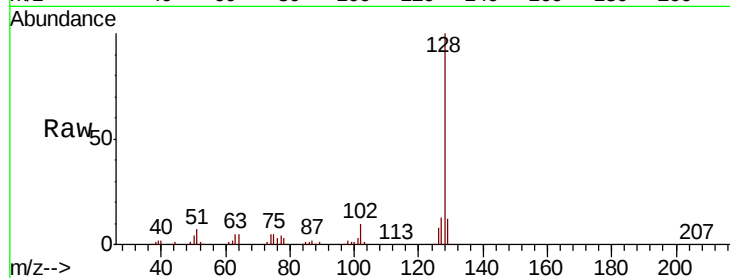




#31
Naphthalene
Concen: 7.761 ng
RT: 10.62 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

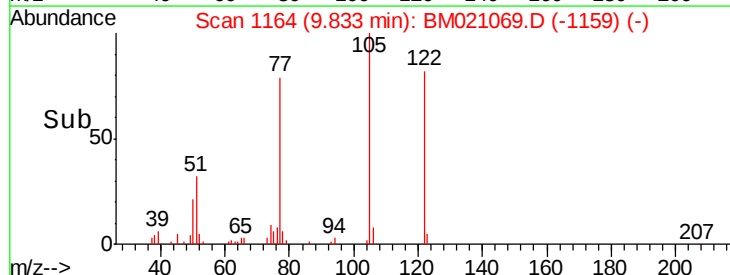
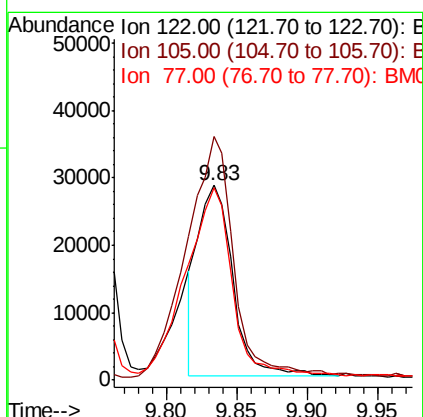
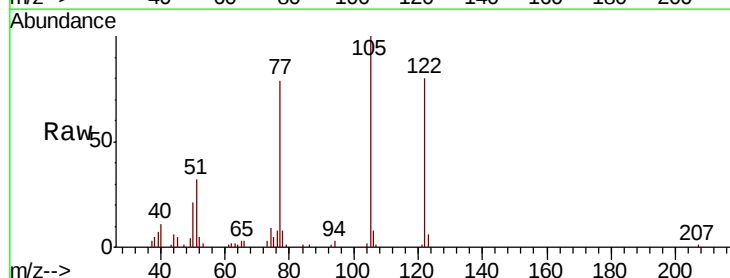
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

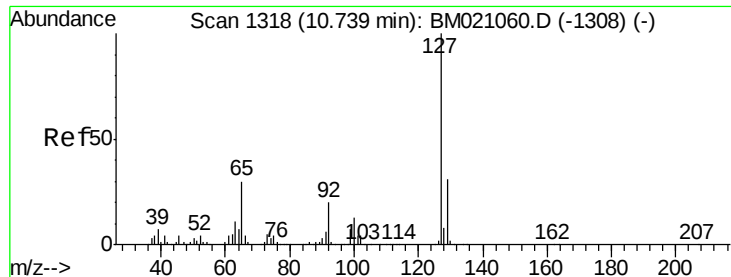
Tgt Ion:128 Resp: 380651
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 13.1 10.8 16.2



#32
Benzoic acid
Concen: 4.694 ng
RT: 9.83 min Scan# 1164
Delta R.T. -0.07 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:122 Resp: 47773
Ion Ratio Lower Upper
122 100
105 124.9 108.9 148.9
77 98.5 76.7 116.7

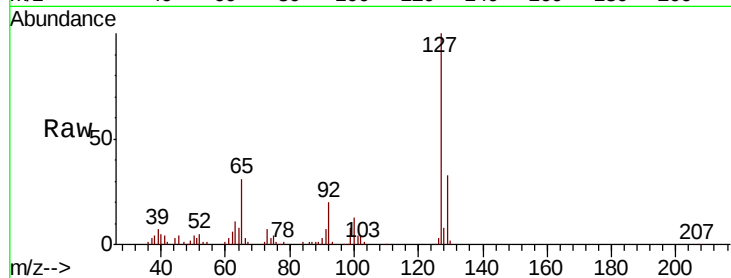




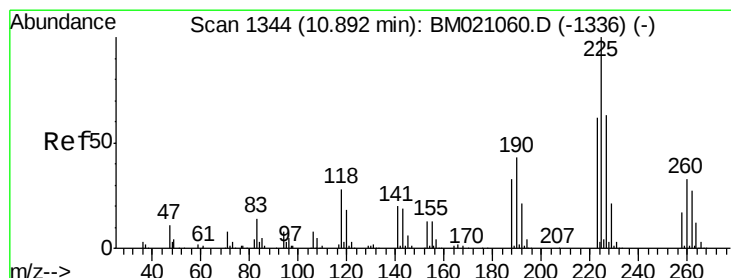
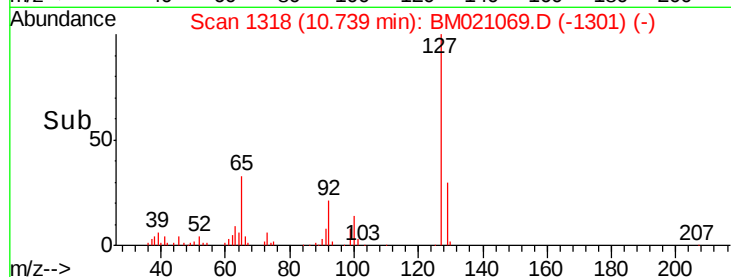
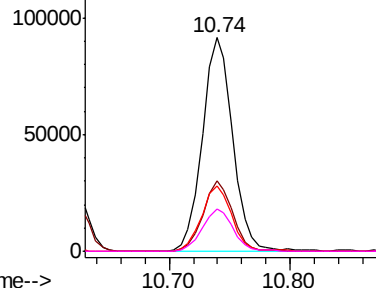
#33
4-Chloroaniline
Concen: 7.192 ng
RT: 10.74 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:	127	Resp:	160135
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.1	37.7
65	30.8	23.8	35.8
92	19.5	15.7	23.5

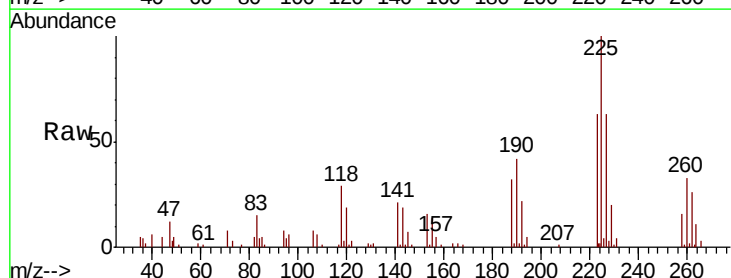


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

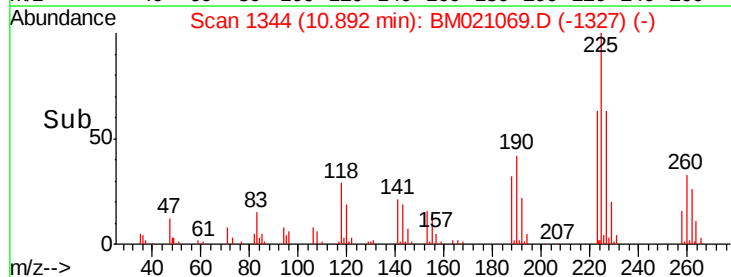
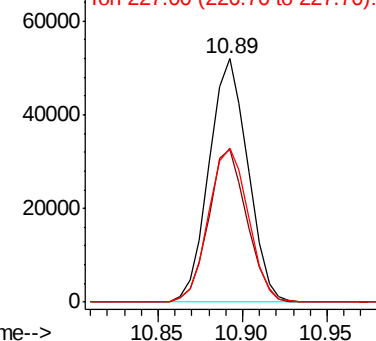


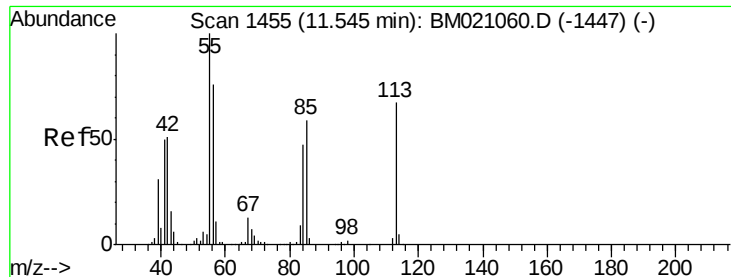
#34
Hexachlorobutadiene
Concen: 6.858 ng
RT: 10.89 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:	225	Resp:	83117
Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.6	74.4
227	63.4	50.4	75.6



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

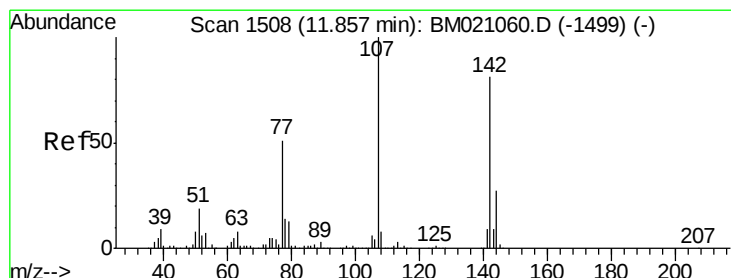
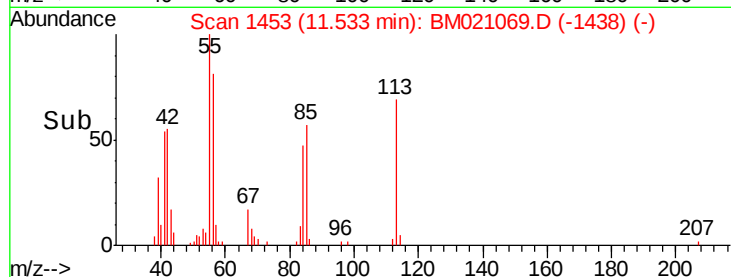
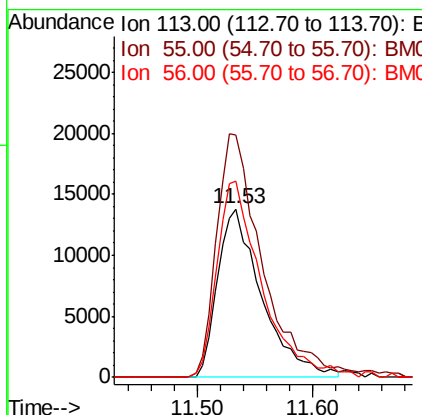
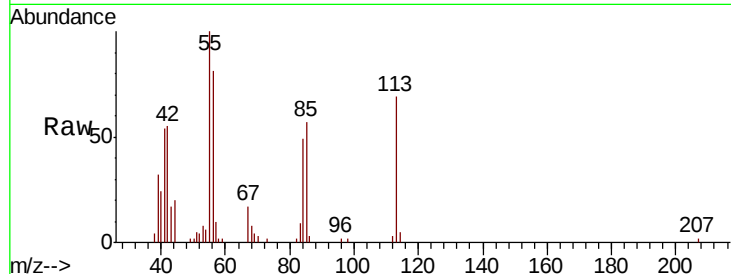




#35
 Caprolactam
 Concen: 7.236 ng
 RT: 11.53 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

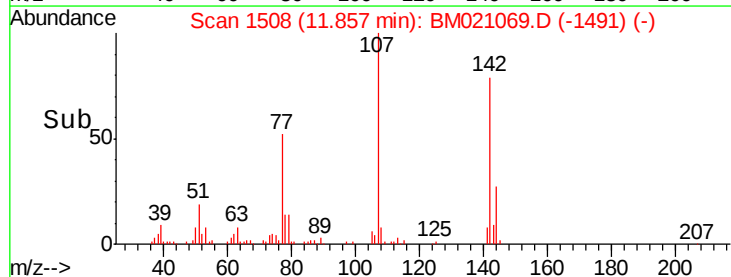
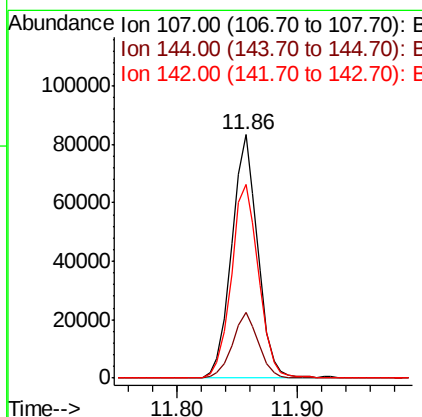
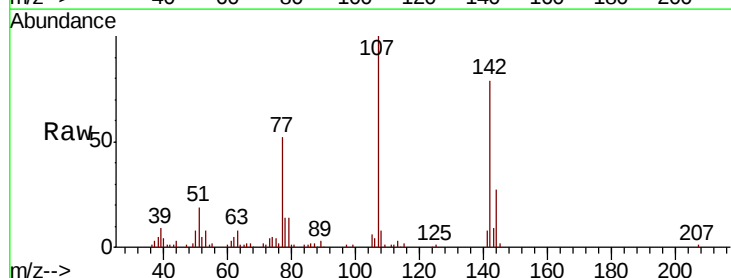
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

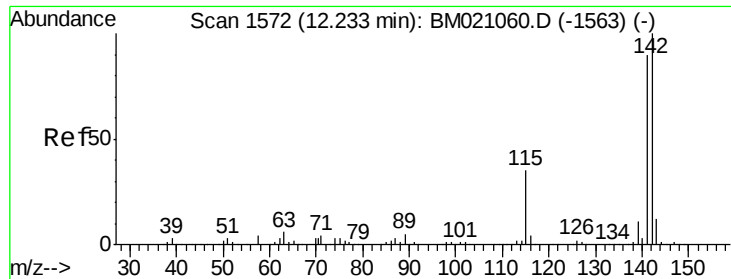
Tgt Ion:113 Resp: 36852
 Ion Ratio Lower Upper
 113 100
 55 143.9 129.8 169.8
 56 116.7 94.3 134.3



#36
 4-Chloro-3-methylphenol
 Concen: 7.599 ng
 RT: 11.86 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

Tgt Ion:107 Resp: 125916
 Ion Ratio Lower Upper
 107 100
 144 26.9 21.3 31.9
 142 79.4 64.9 97.3

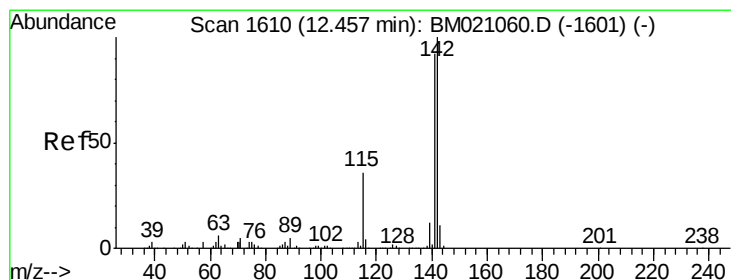
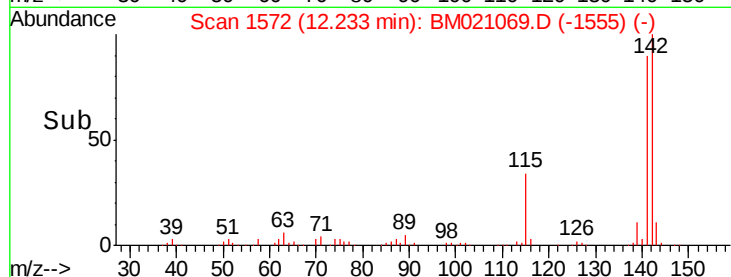
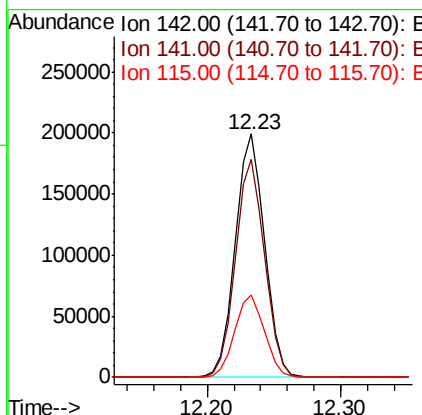
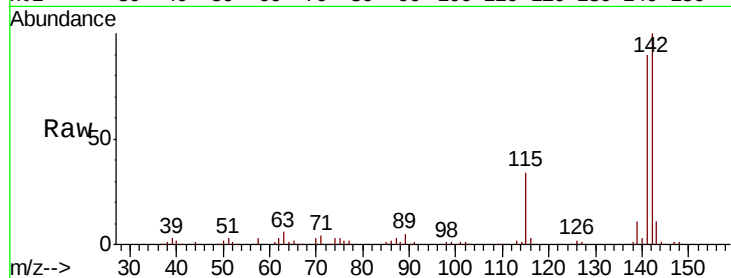




#37
2-Methylnaphthalene
Concen: 8.039 ng
RT: 12.23 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

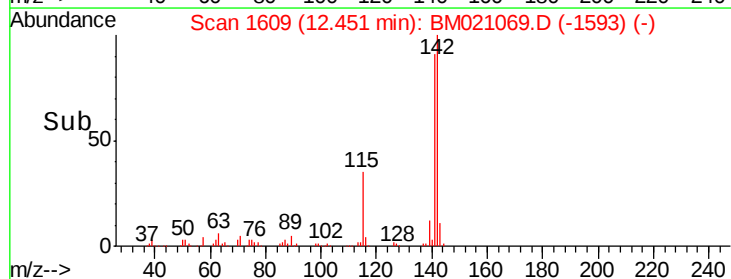
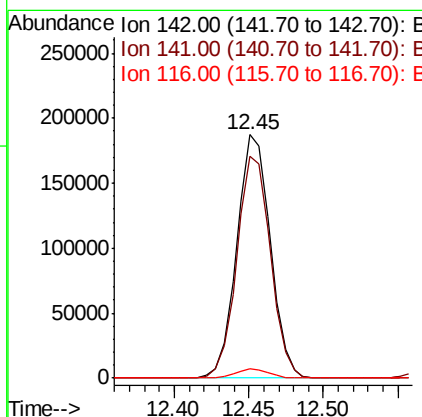
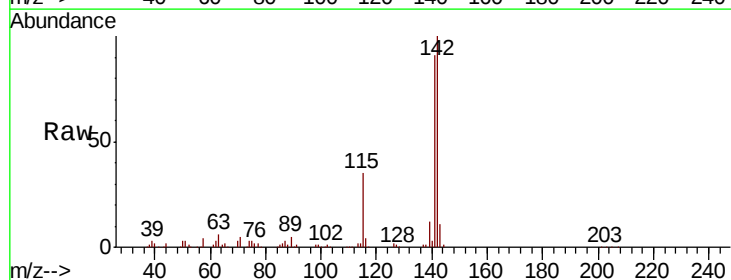
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

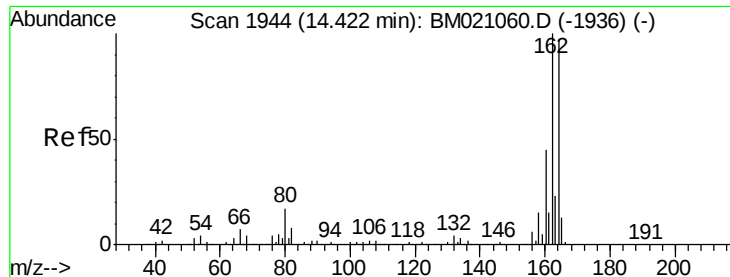
Tgt Ion:142 Resp: 303409
Ion Ratio Lower Upper
142 100
141 89.7 72.2 108.2
115 33.8 27.9 41.9



#38
1-Methylnaphthalene
Concen: 8.111 ng
RT: 12.45 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:142 Resp: 291964
Ion Ratio Lower Upper
142 100
141 91.3 73.9 110.9
116 4.0 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.42 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

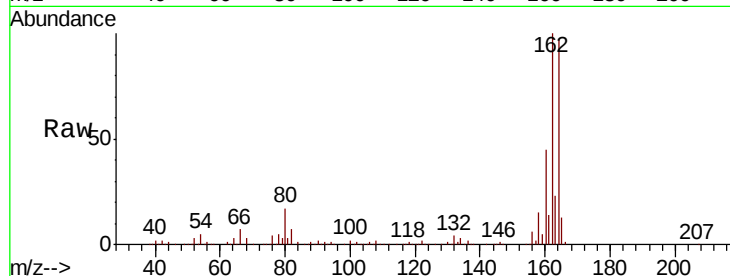
Tgt Ion:164 Resp: 643266

Ion Ratio Lower Upper

164 100

162 102.8 82.1 123.1

160 45.9 37.1 55.7

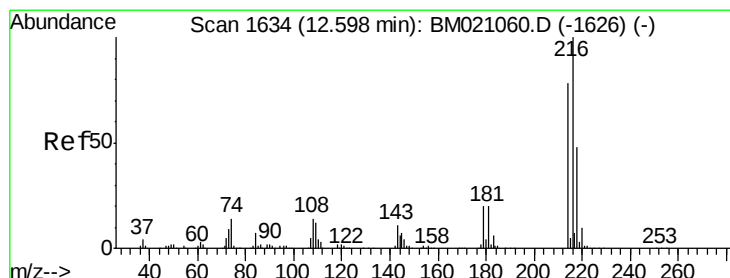
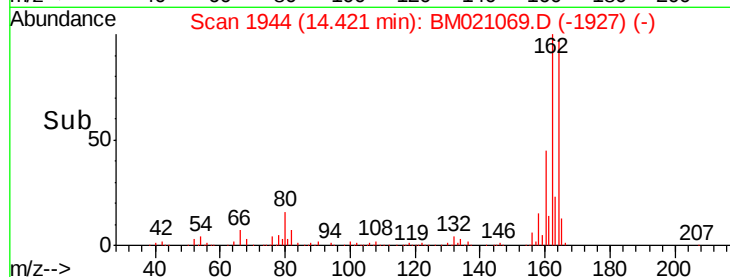
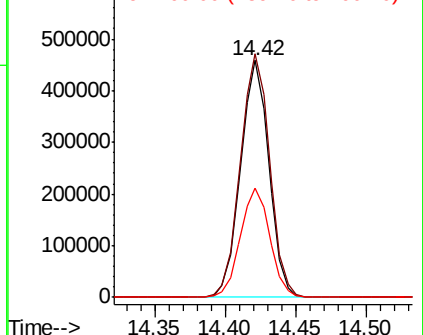


Abundance

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: 7.499 ng

RT: 12.60 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Tgt Ion:216 Resp: 182575

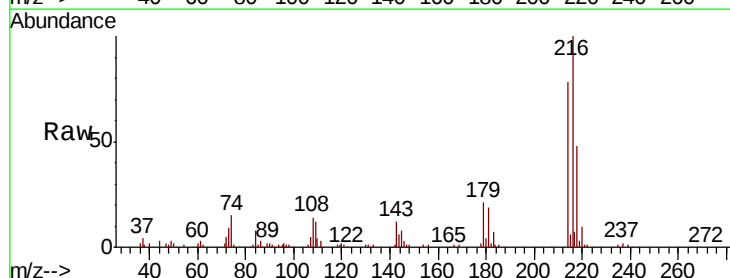
Ion Ratio Lower Upper

216 100

214 79.2 63.0 94.6

179 21.3 16.4 24.6

108 15.7 12.5 18.7



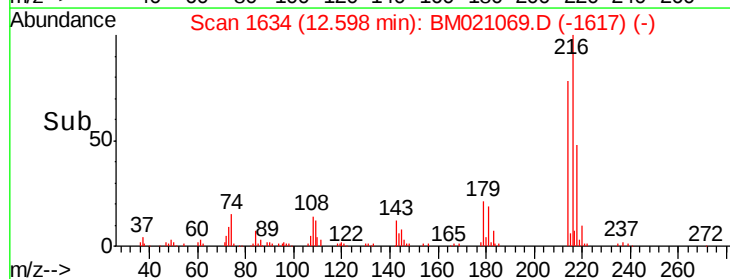
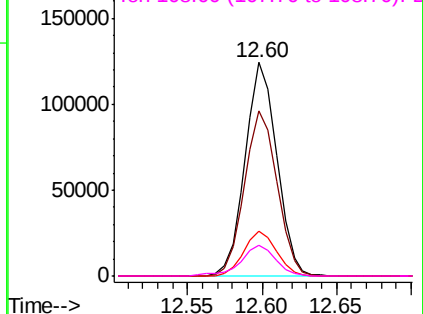
Abundance

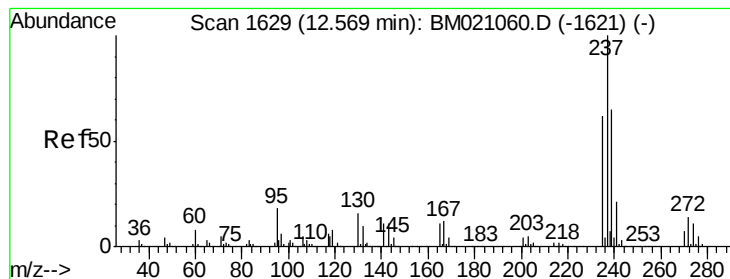
Ion 216.00 (215.70 to 216.70): E

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: 6.517 ng

RT: 12.57 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

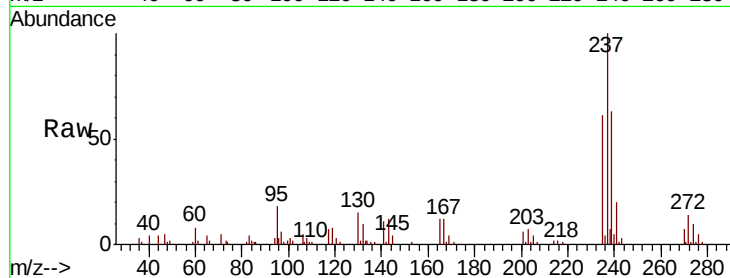
Tgt Ion: 237 Resp: 91987

Ion Ratio Lower Upper

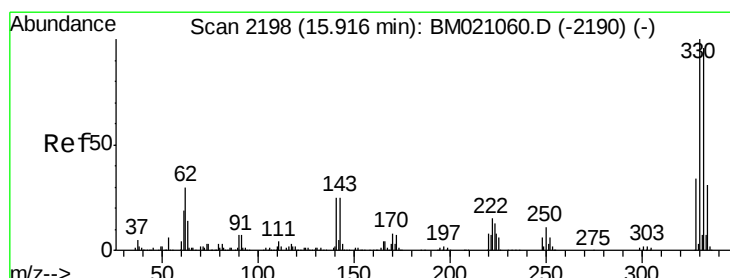
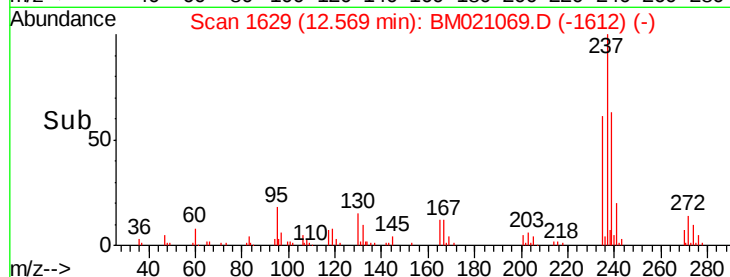
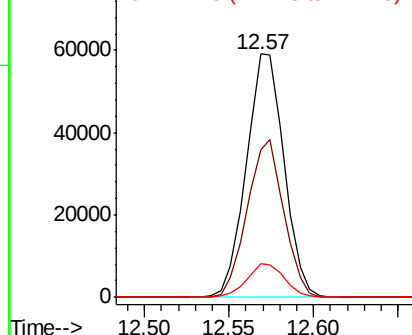
237 100

235 60.8 41.7 81.7

272 13.7 0.0 34.1



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



#42

2,4,6-Tribromophenol

Concen: 32.429 ng

RT: 15.92 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

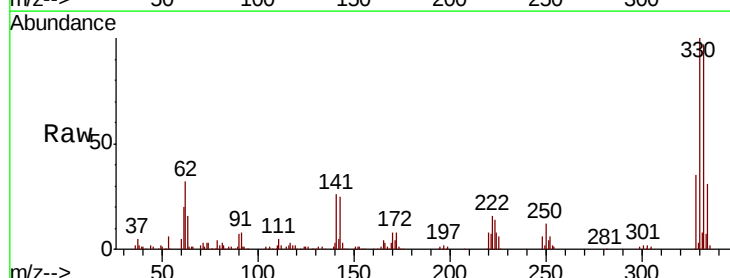
Tgt Ion: 330 Resp: 391440

Ion Ratio Lower Upper

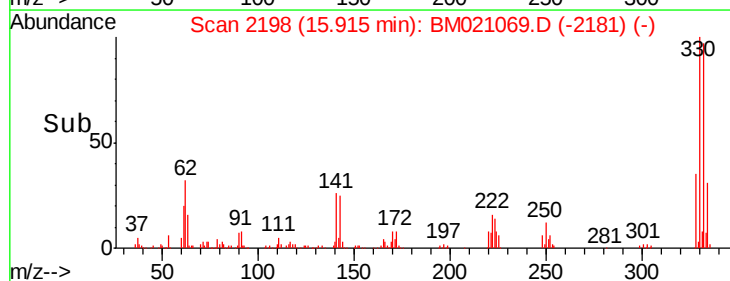
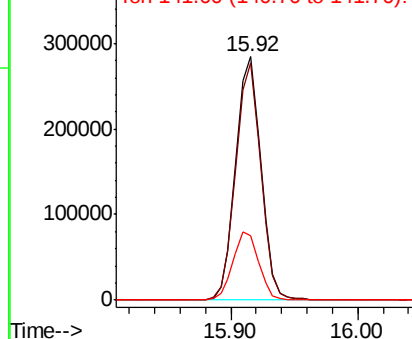
330 100

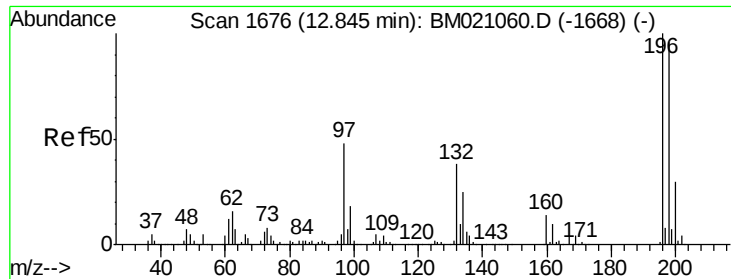
332 96.7 77.1 115.7

141 28.6 21.8 32.8



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

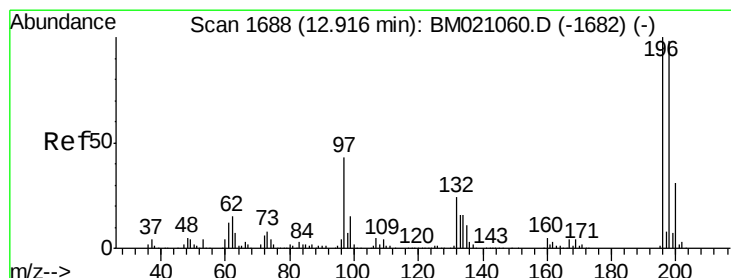
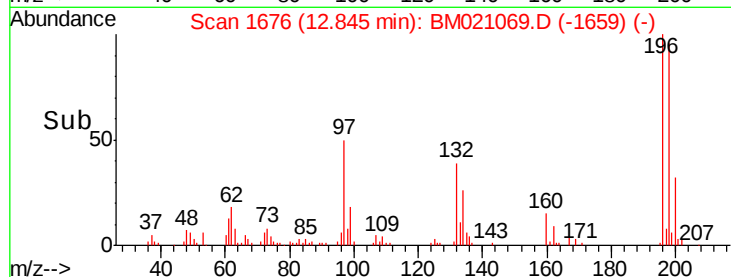
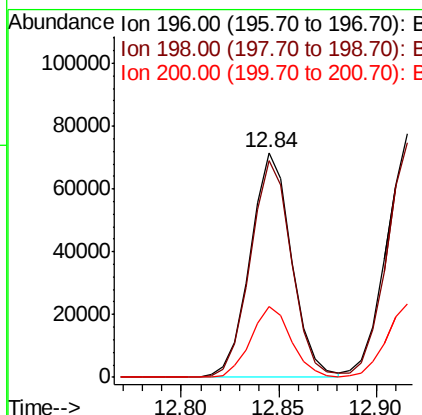
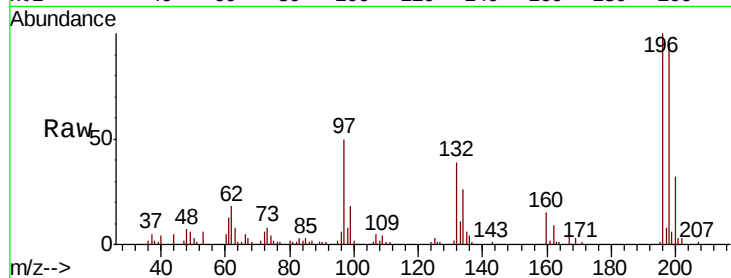




#43
 2,4,6-Trichlorophenol
 Concen: 6.511 ng
 RT: 12.84 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

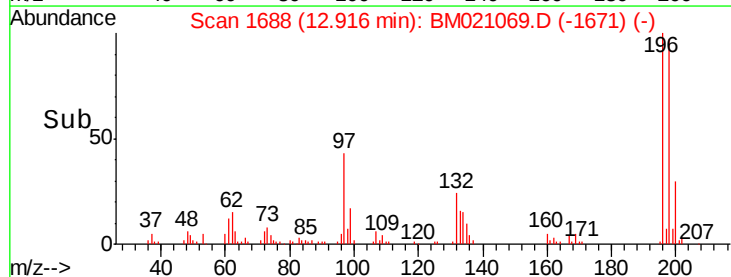
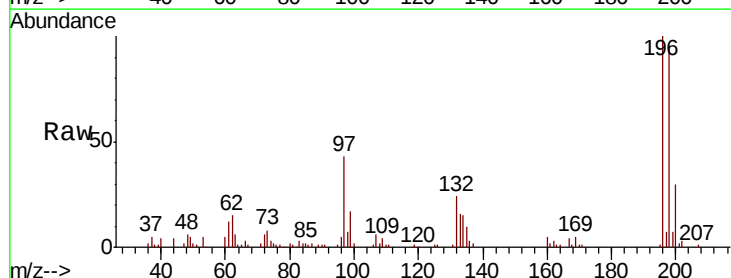
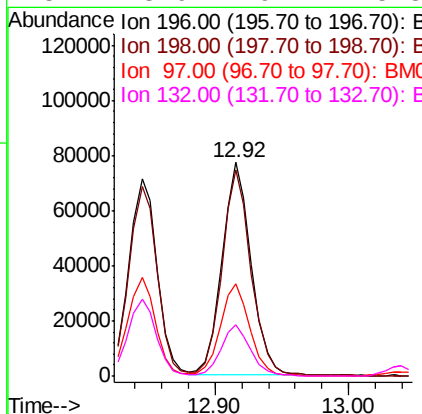
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

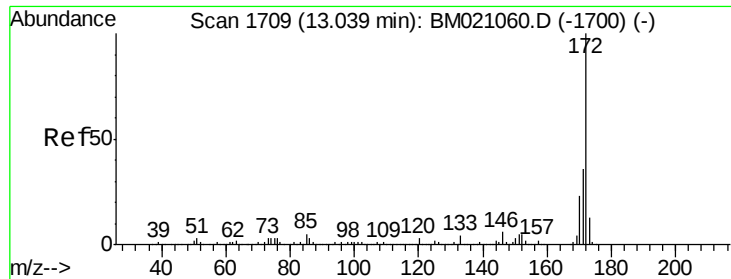
Tgt Ion:196 Resp: 104899
 Ion Ratio Lower Upper
 196 100
 198 96.4 76.7 115.1
 200 31.6 24.2 36.4



#44
 2,4,5-Trichlorophenol
 Concen: 7.074 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

Tgt Ion:196 Resp: 118018
 Ion Ratio Lower Upper
 196 100
 198 96.4 78.2 117.4
 97 43.2 34.1 51.1
 132 23.9 19.2 28.8

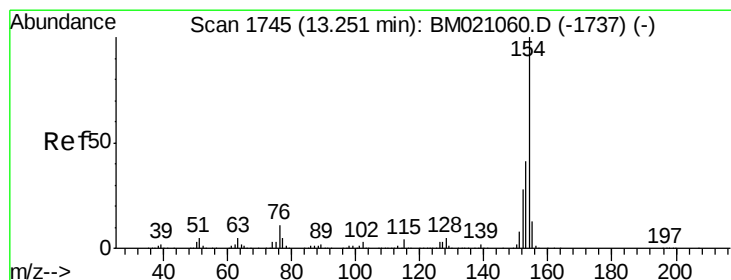
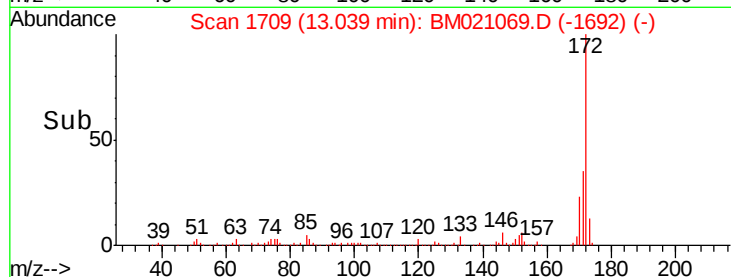
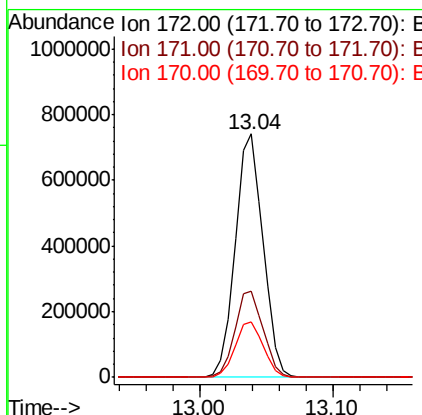
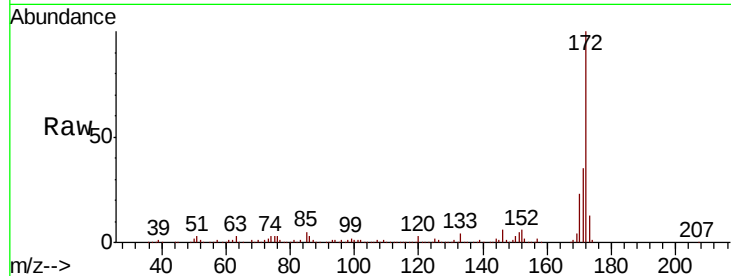




#45
2-Fluorobiphenyl
Concen: 20.406 ng
RT: 13.04 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

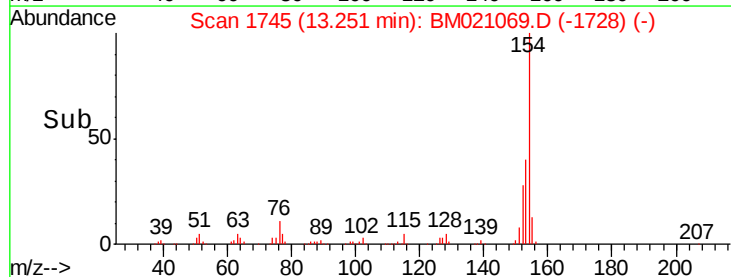
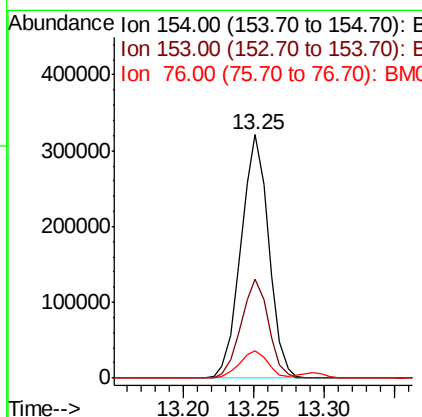
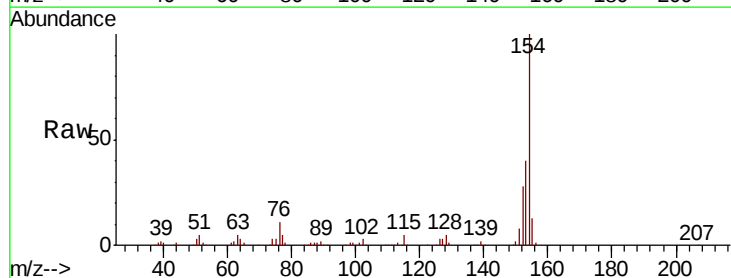
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

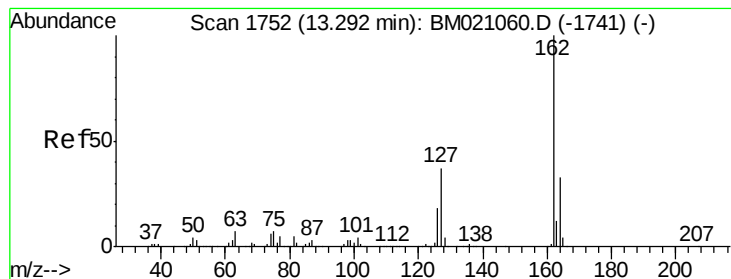
Tgt Ion:172 Resp: 1068041
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 22.7 18.7 28.1



#46
1,1'-Biphenyl
Concen: 8.023 ng
RT: 13.25 min Scan# 1745
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:154 Resp: 441707
Ion Ratio Lower Upper
154 100
153 40.4 21.3 61.3
76 11.4 0.0 30.9





#47

2-Chloronaphthalene

Concen: 7.297 ng

RT: 13.29 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

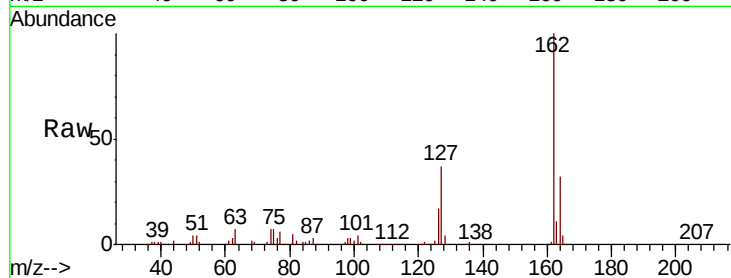
Tgt Ion: 162 Resp: 326302

Ion Ratio Lower Upper

162 100

127 36.6 29.4 44.2

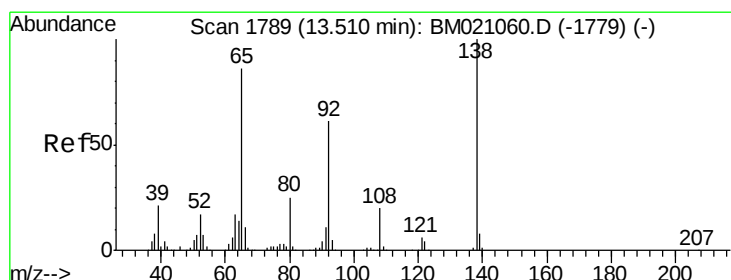
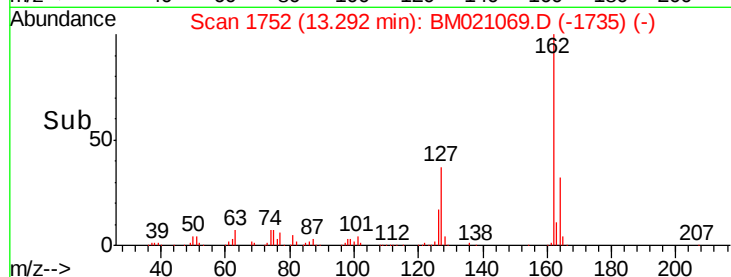
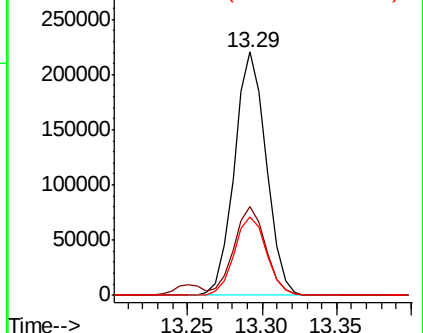
164 32.1 26.5 39.7



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: 6.264 ng

RT: 13.51 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

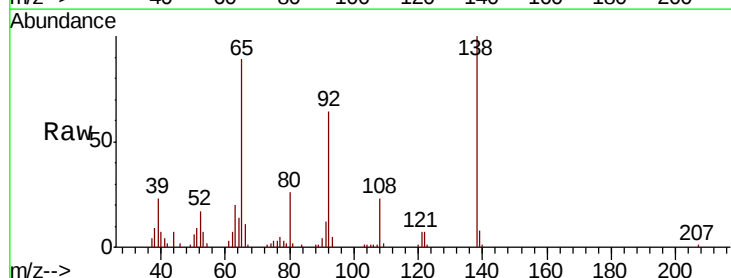
Tgt Ion: 65 Resp: 76626

Ion Ratio Lower Upper

65 100

92 72.6 56.3 84.5

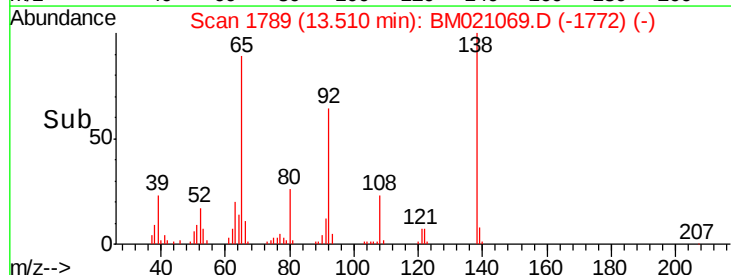
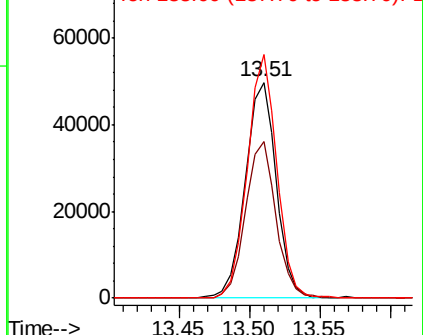
138 112.9 92.6 139.0

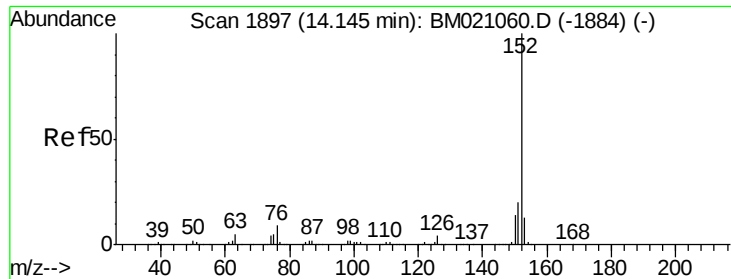


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 7.672 ng

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

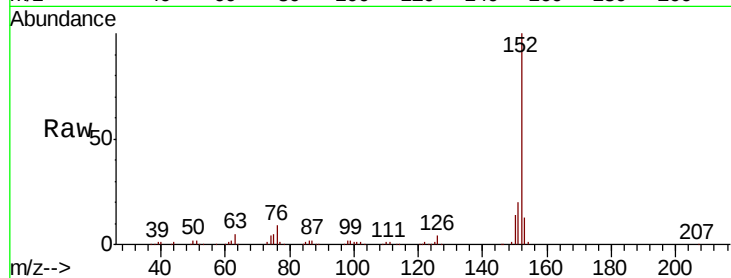
Tgt Ion:152 Resp: 522037

Ion Ratio Lower Upper

152 100

151 19.7 16.1 24.1

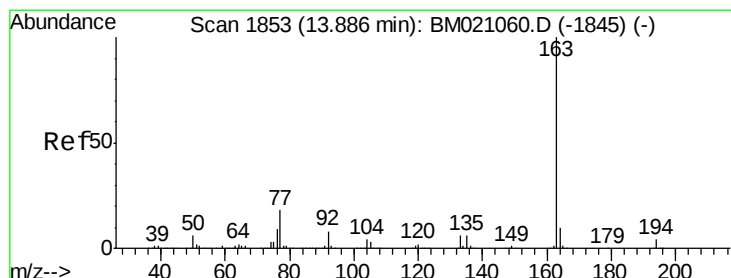
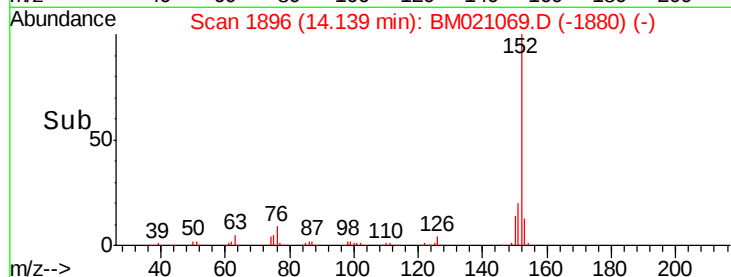
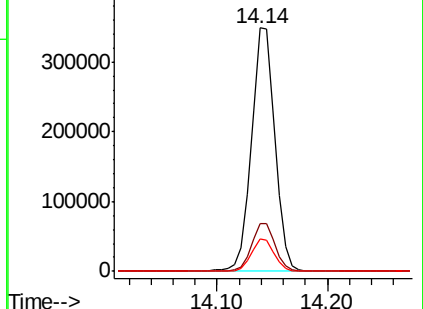
153 13.4 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.663 ng

RT: 13.88 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

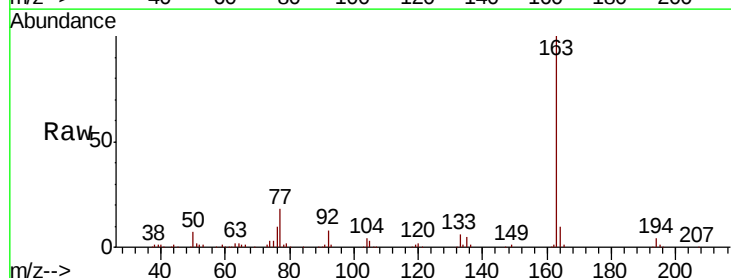
Tgt Ion:163 Resp: 438266

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

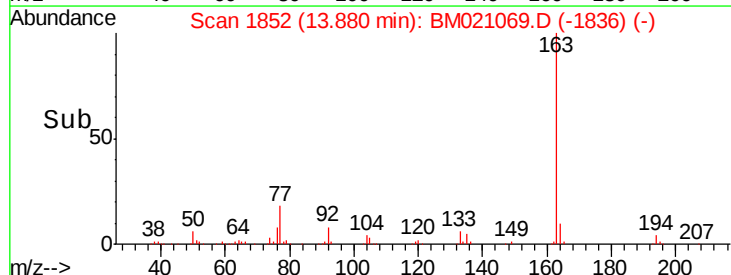
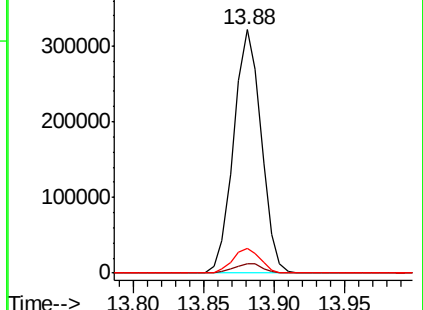
164 10.2 8.2 12.2

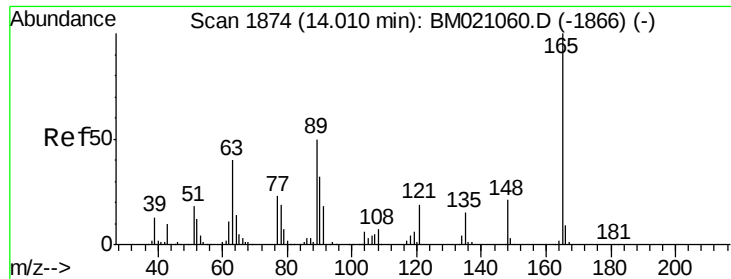


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

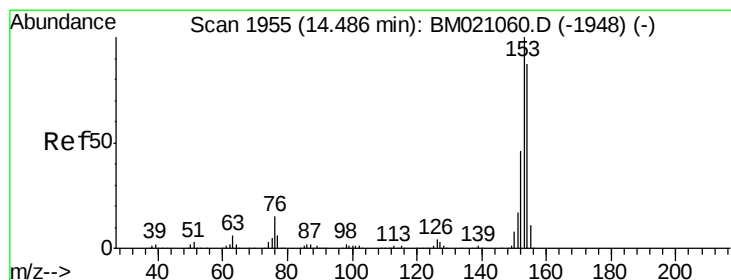
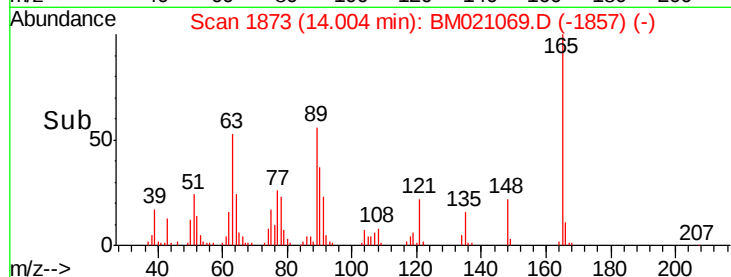
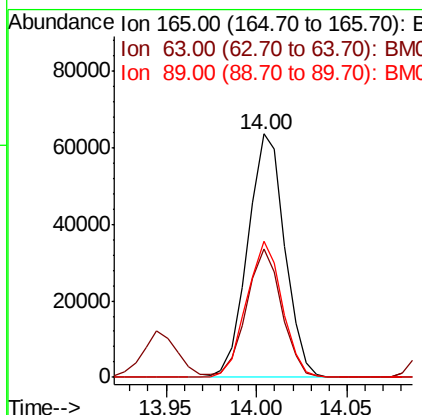
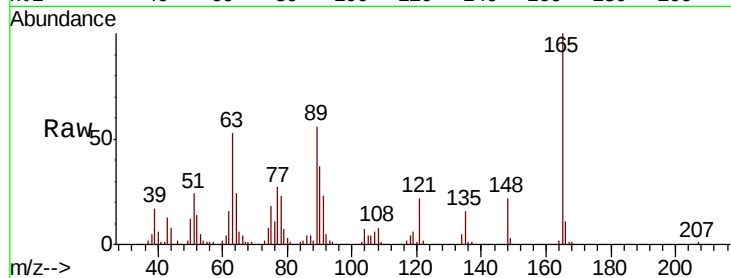




#51
2,6-Dinitrotoluene
Concen: 7.331 ng
RT: 14.00 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

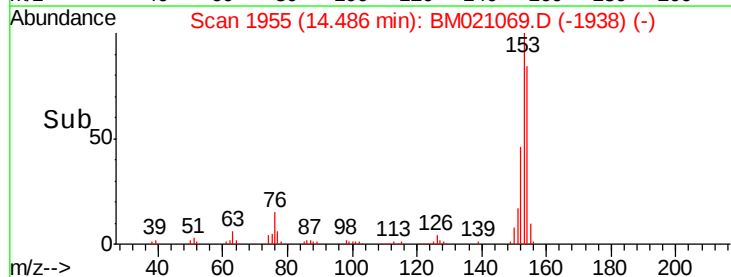
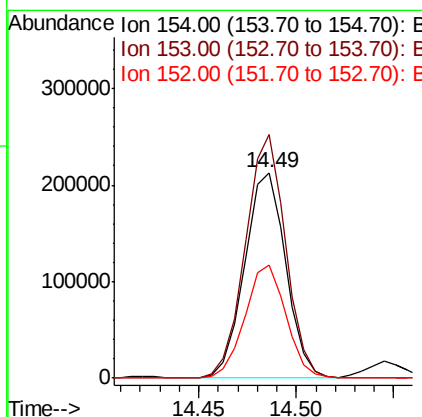
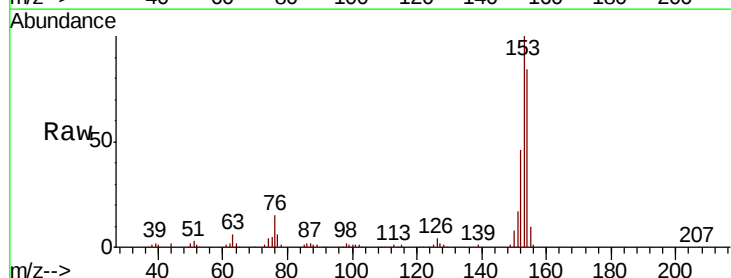
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

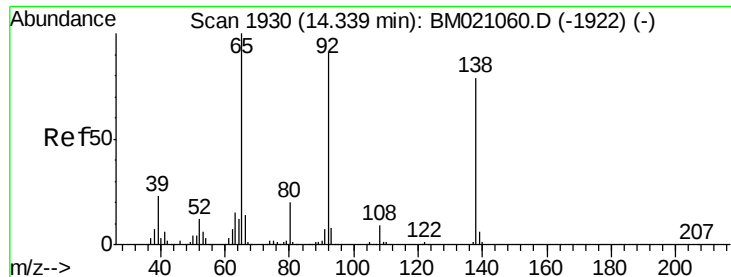
Tgt Ion:165 Resp: 90197
Ion Ratio Lower Upper
165 100
63 52.5 37.8 56.6
89 55.7 39.7 59.5



#52
Acenaphthene
Concen: 7.563 ng
RT: 14.49 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:154 Resp: 310502
Ion Ratio Lower Upper
154 100
153 118.5 91.5 137.3
152 54.8 42.3 63.5

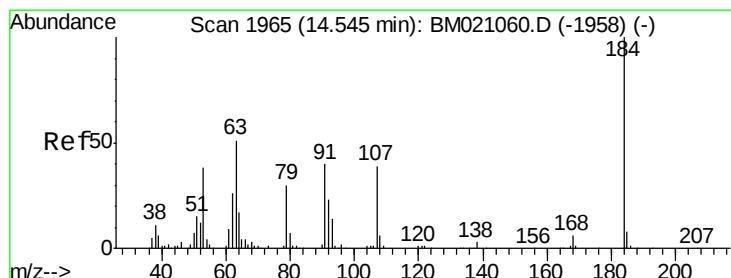
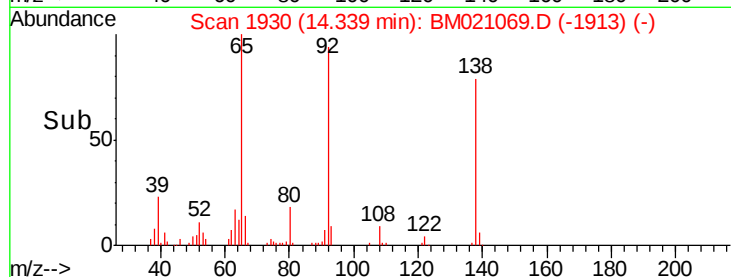
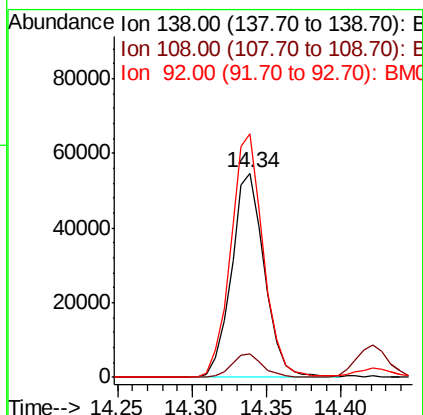
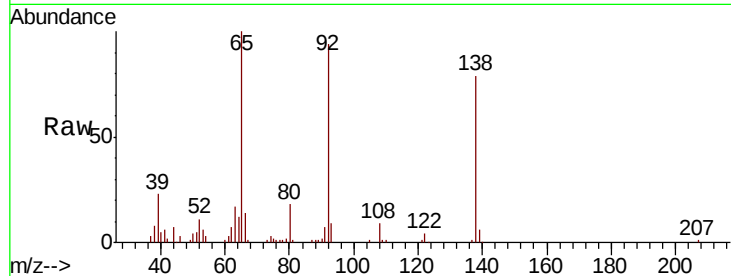




#53
3-Nitroaniline
Concen: 6.686 ng
RT: 14.34 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

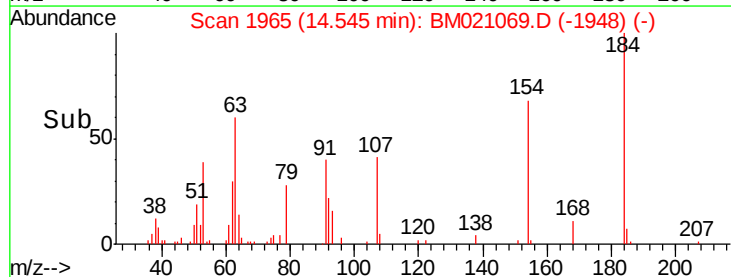
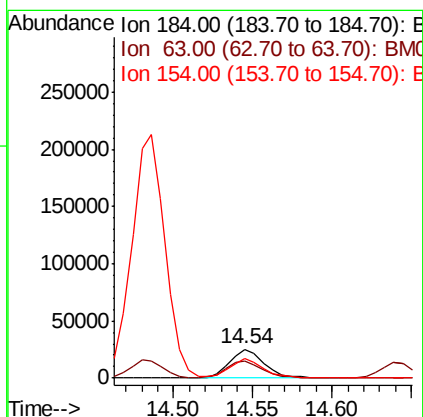
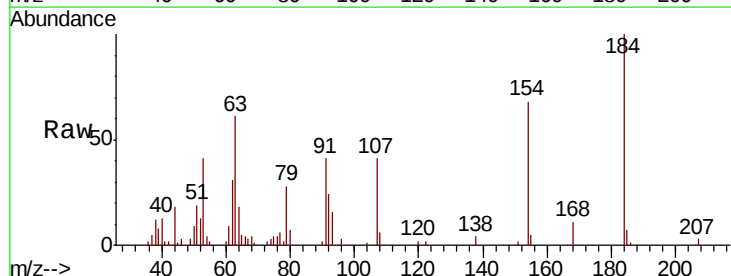
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

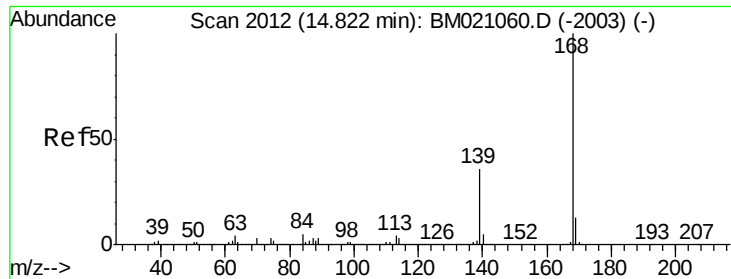
Tgt Ion:138 Resp: 83861
Ion Ratio Lower Upper
138 100
108 11.6 9.0 13.4
92 119.3 92.2 138.2



#54
2,4-Dinitrophenol
Concen: 5.732 ng
RT: 14.54 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:184 Resp: 37887
Ion Ratio Lower Upper
184 100
63 60.8 45.5 68.3
154 68.0 50.6 76.0

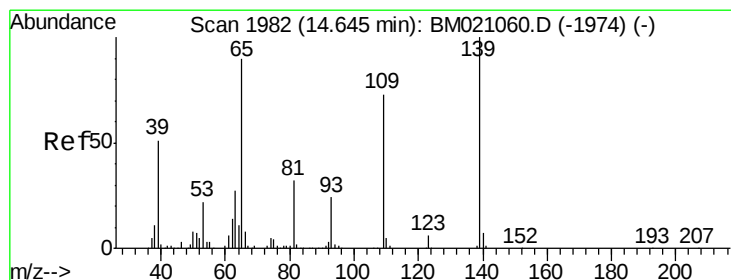
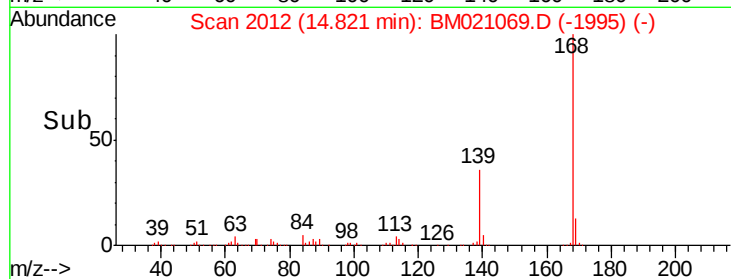
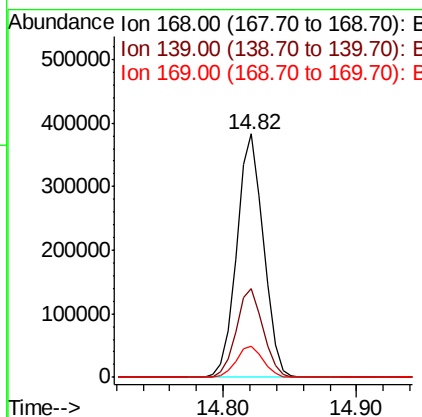
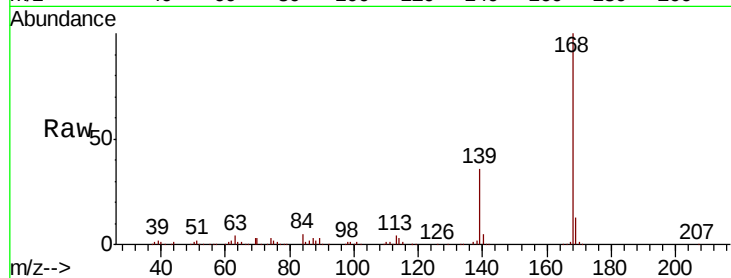




#55
Dibenzenofuran
Concen: 7.891 ng
RT: 14.82 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

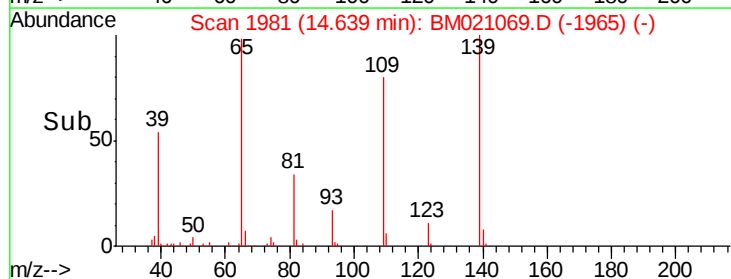
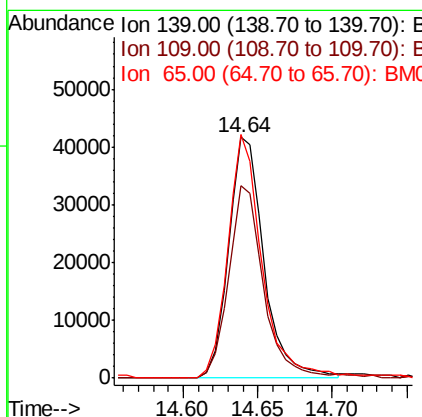
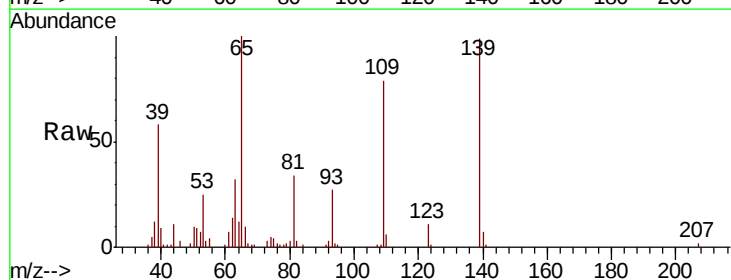
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

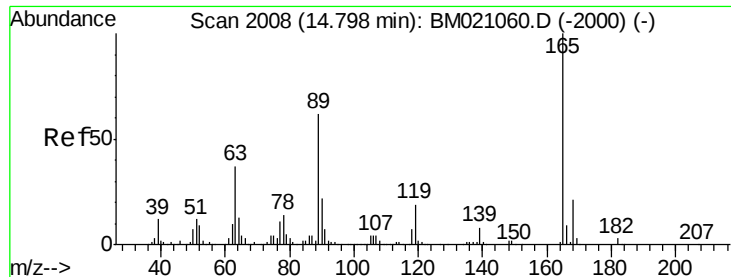
Tgt Ion:168 Resp: 528519
Ion Ratio Lower Upper
168 100
139 36.4 28.4 42.6
169 13.0 10.6 16.0



#56
4-Nitrophenol
Concen: 7.205 ng
RT: 14.64 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:139 Resp: 69111
Ion Ratio Lower Upper
139 100
109 80.0 53.3 93.3
65 101.2 70.3 110.3

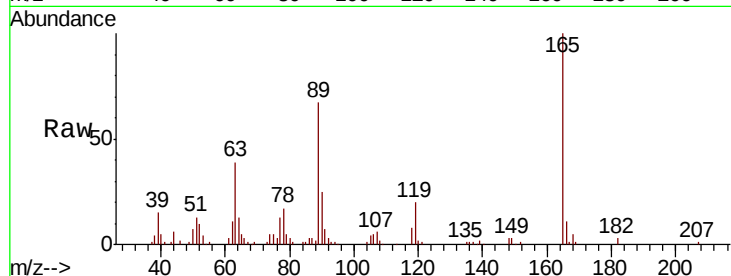




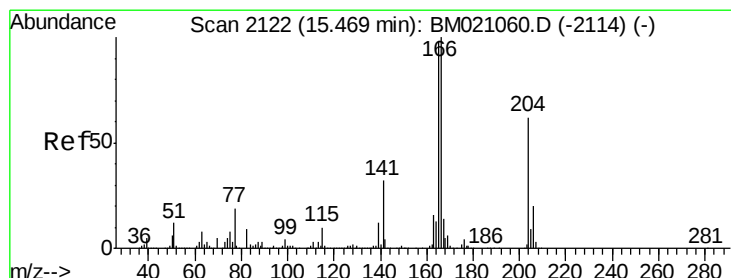
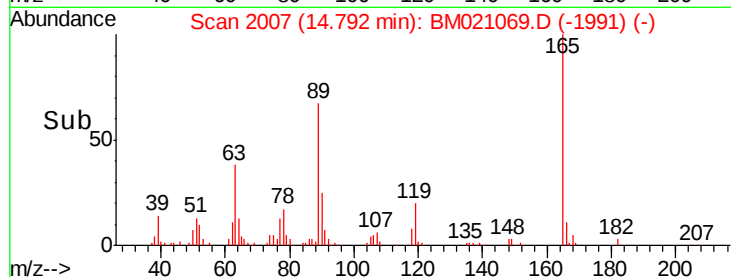
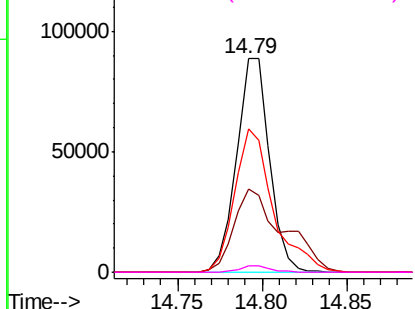
#57
2,4-Dinitrotoluene
Concen: 7.092 ng
RT: 14.79 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:	165	Resp:	120492
Ion	Ratio	Lower	Upper
165	100		
63	39.1	29.6	44.4
89	67.3	49.5	74.3
182	2.9	2.4	3.6

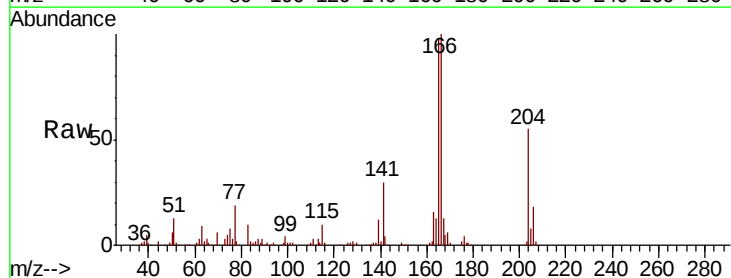


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0
Ion 182.00 (181.70 to 182.70): E

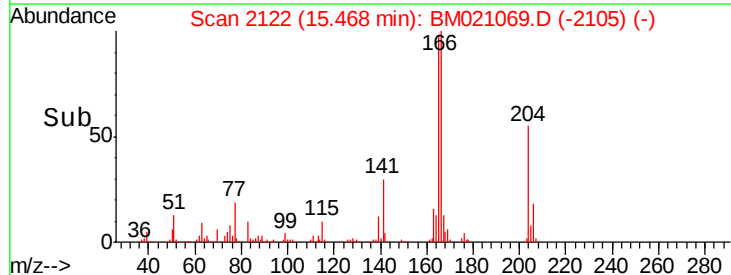
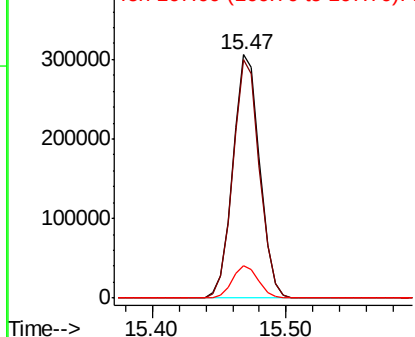


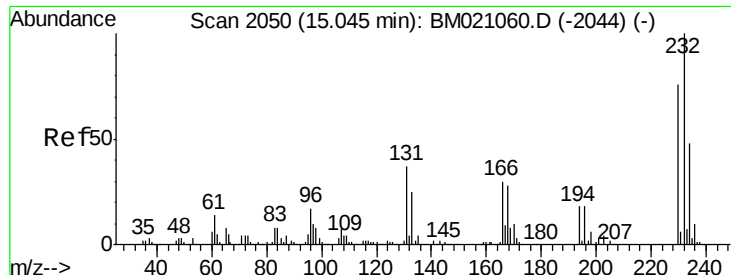
#58
Fluorene
Concen: 7.807 ng
RT: 15.47 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:	166	Resp:	427208
Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.6	117.8
167	13.3	10.9	16.3



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

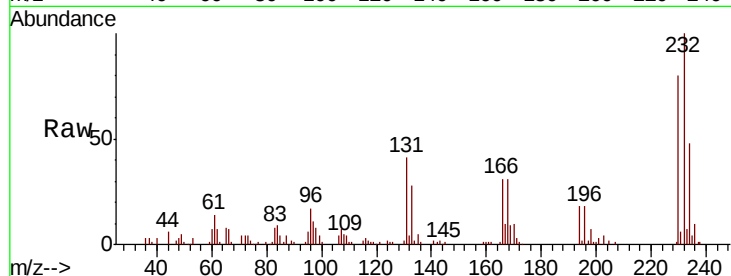




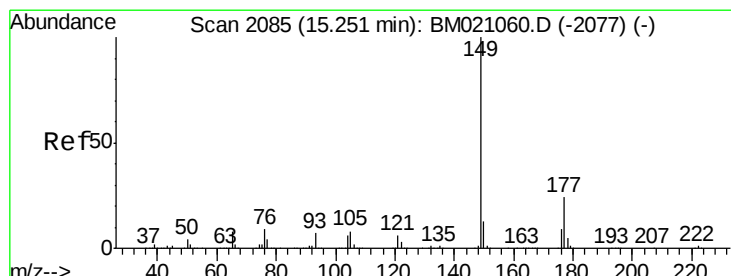
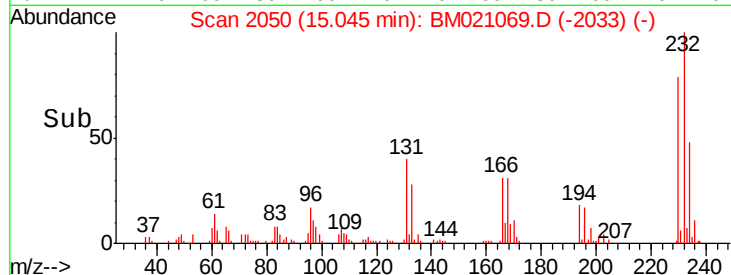
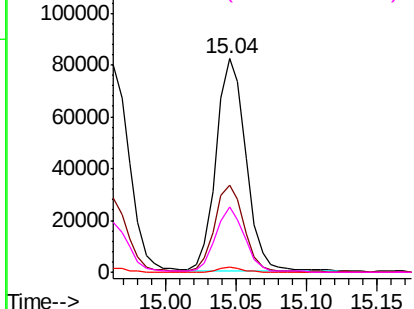
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.531 ng
RT: 15.04 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:	232	Resp:	120059
Ion	Ratio	Lower	Upper
232	100		
131	41.2	30.6	46.0
130	1.9	1.7	2.5
166	30.5	23.4	35.0

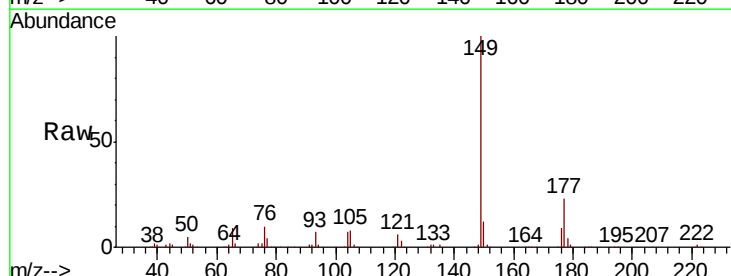


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

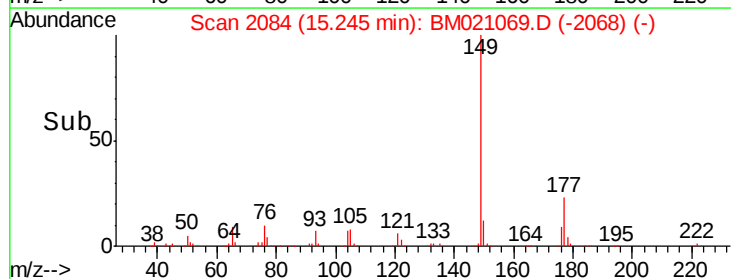
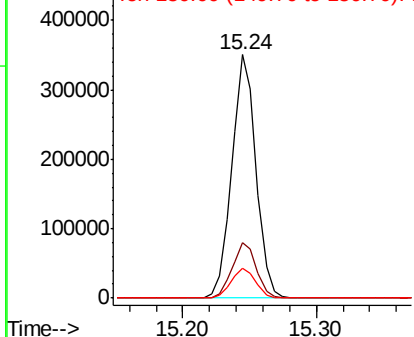


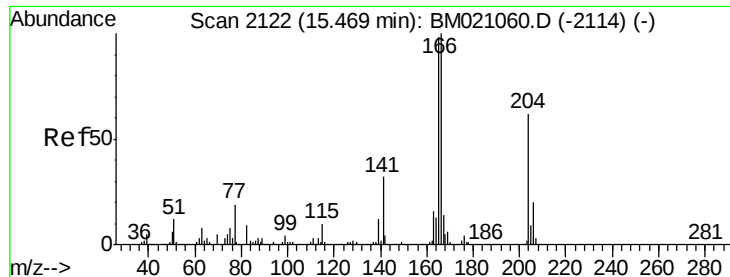
#60
Diethylphthalate
Concen: 7.830 ng
RT: 15.24 min Scan# 2084
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:	149	Resp:	441034
Ion	Ratio	Lower	Upper
149	100		
177	22.7	19.1	28.7
150	12.4	10.1	15.1



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

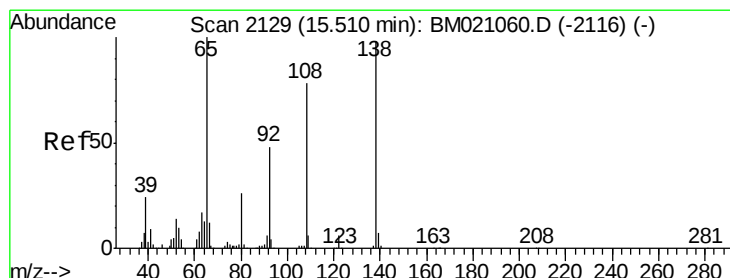
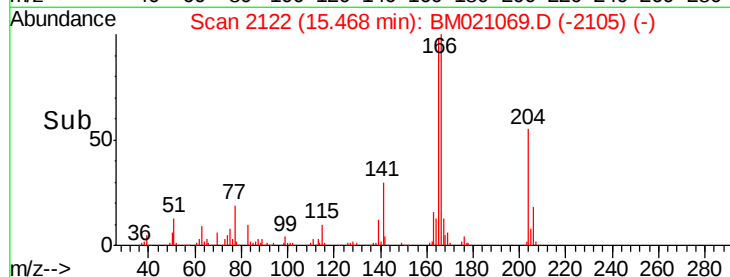
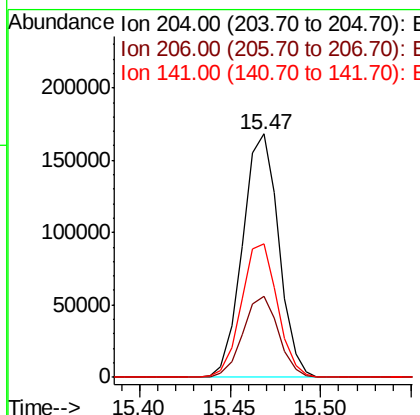
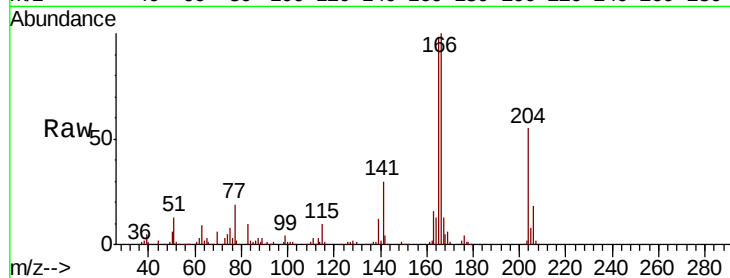




#61
4-Chlorophenyl-phenylether
Concen: 7.543 ng
RT: 15.47 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

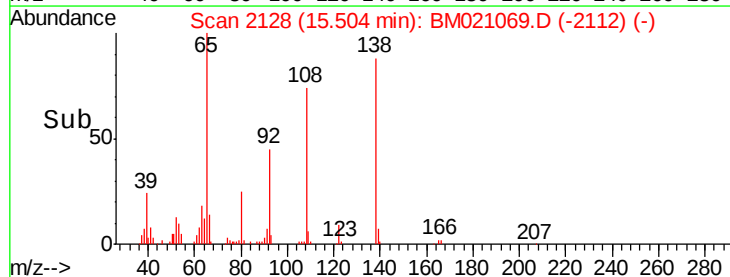
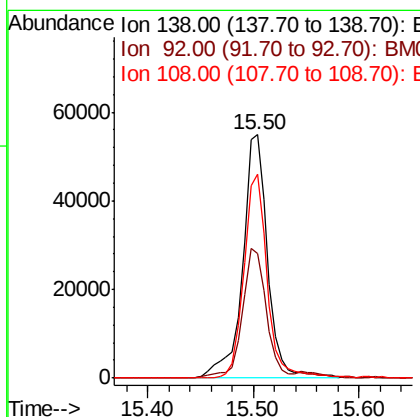
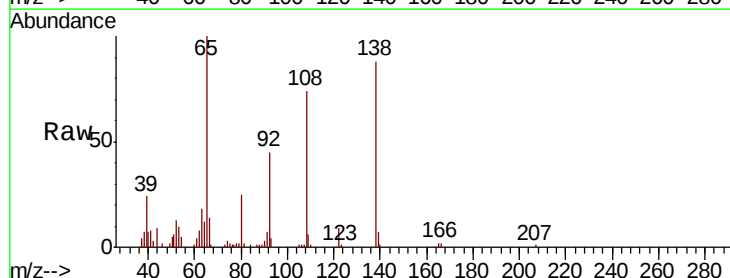
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

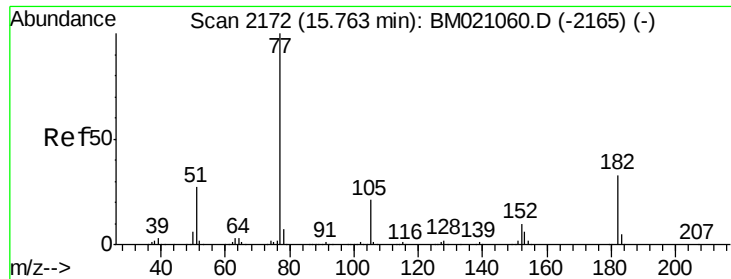
Tgt Ion:204 Resp: 233180
Ion Ratio Lower Upper
204 100
206 33.5 26.1 39.1
141 55.0 40.7 61.1



#62
4-Nitroaniline
Concen: 6.842 ng
RT: 15.50 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:138 Resp: 90074
Ion Ratio Lower Upper
138 100
92 51.3 29.1 69.1
108 83.6 59.2 99.2

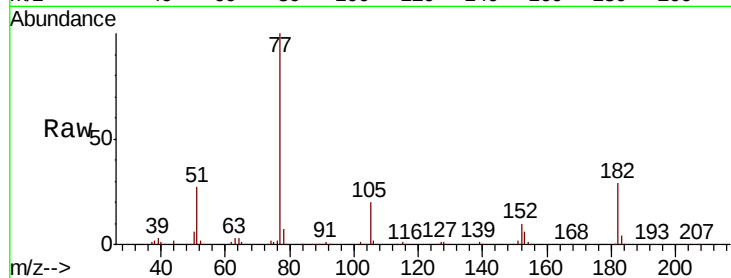




#63
Azobenzene
Concen: 7.831 ng
RT: 15.76 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:	77	Resp:	361847
Ion	Ratio	Lower	Upper
77	100		
182	28.7	12.6	52.6
105	19.8	1.1	41.1
51	27.4	6.9	46.9

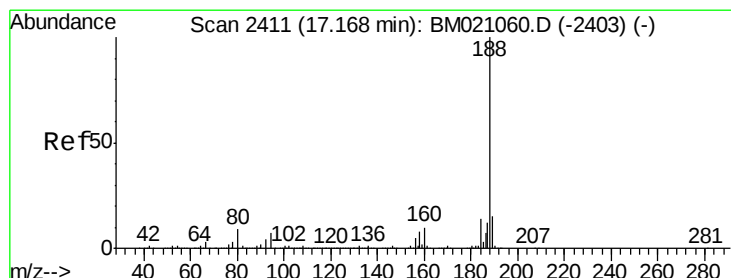
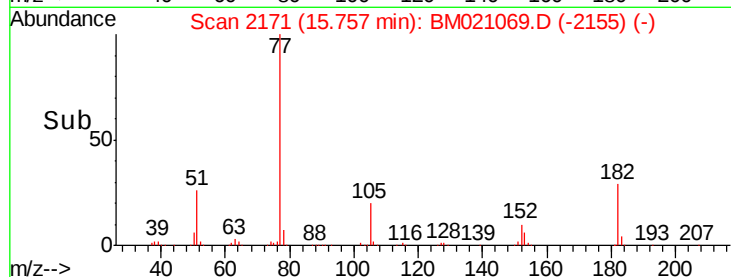
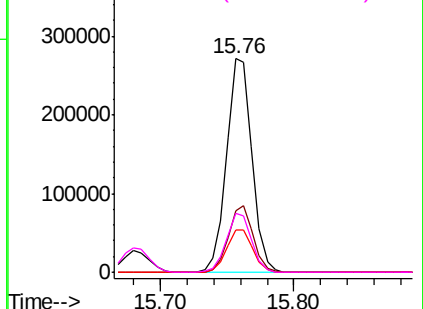


Abundance Ion 77.00 (76.70 to 77.70): BM021060.D (-2165) (-)

Ion 182.00 (181.70 to 182.70): BM021060.D (-2165) (-)

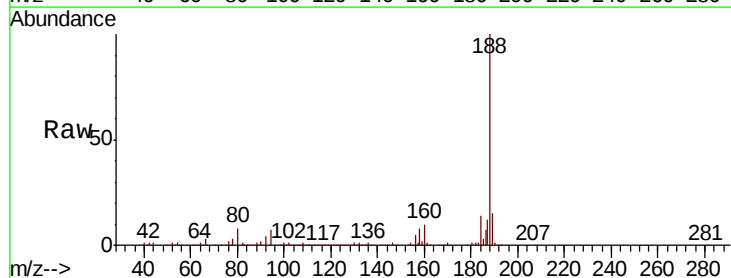
Ion 105.00 (104.70 to 105.70): BM021060.D (-2165) (-)

Ion 51.00 (50.70 to 51.70): BM021060.D (-2165) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.17 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

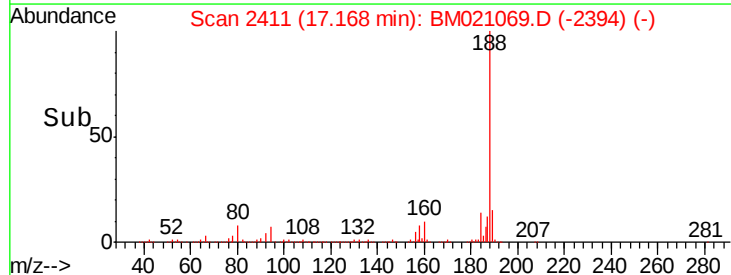
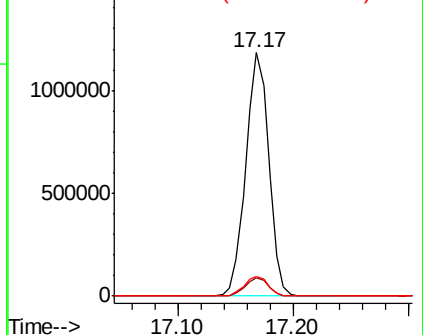
Tgt Ion:	188	Resp:	1642168
Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.8
80	8.2	6.9	10.3

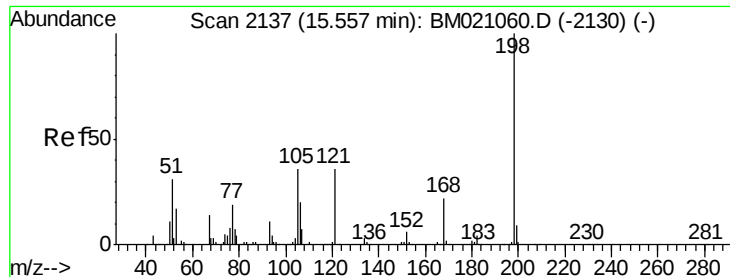


Abundance Ion 188.00 (187.70 to 188.70): BM021060.D (-2403) (-)

Ion 94.00 (93.70 to 94.70): BM021060.D (-2403) (-)

Ion 80.00 (79.70 to 80.70): BM021060.D (-2403) (-)

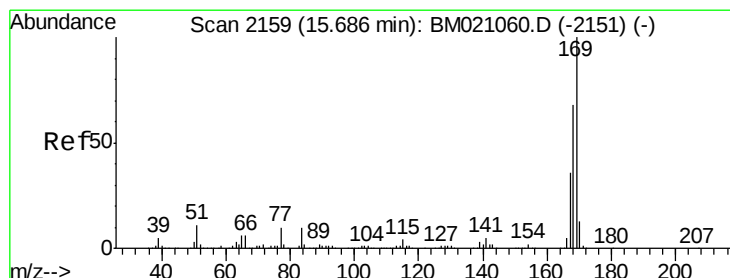
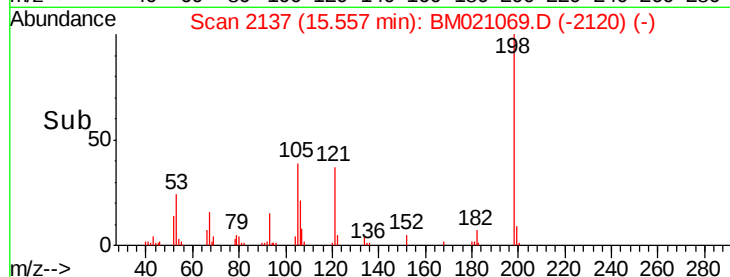
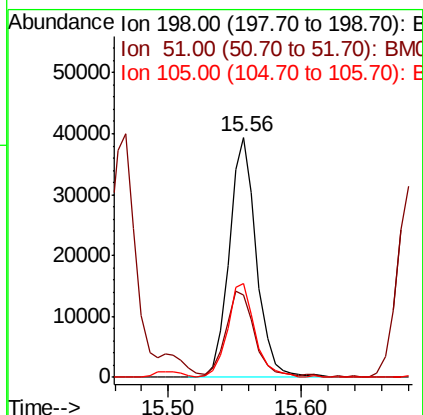
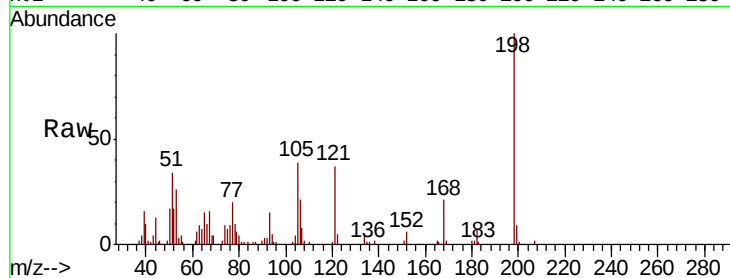




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.518 ng
 RT: 15.56 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

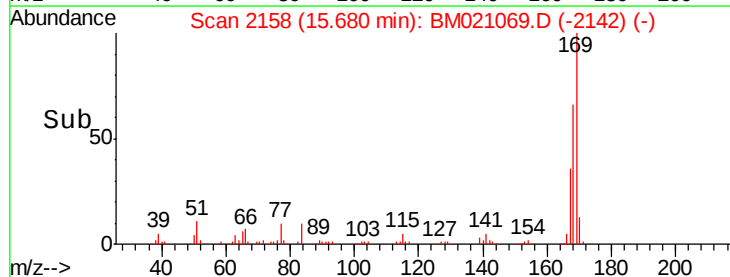
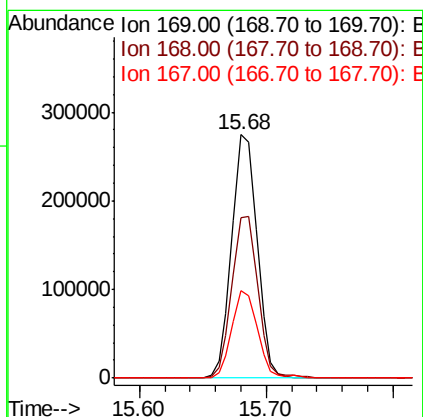
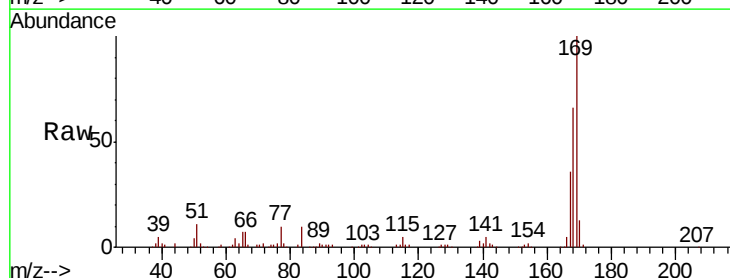
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

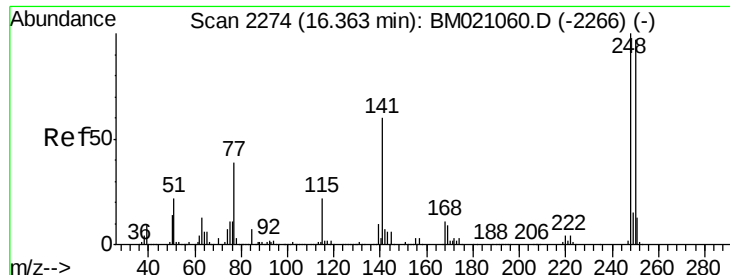
Tgt Ion:198 Resp: 55870
 Ion Ratio Lower Upper
 198 100
 51 34.3 15.3 55.3
 105 39.0 16.8 56.8



#66
 n-Nitrosodiphenylamine
 Concen: 7.370 ng
 RT: 15.68 min Scan# 2158
 Delta R.T. -0.01 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

Tgt Ion:169 Resp: 381485
 Ion Ratio Lower Upper
 169 100
 168 65.9 54.5 81.7
 167 35.9 29.0 43.6

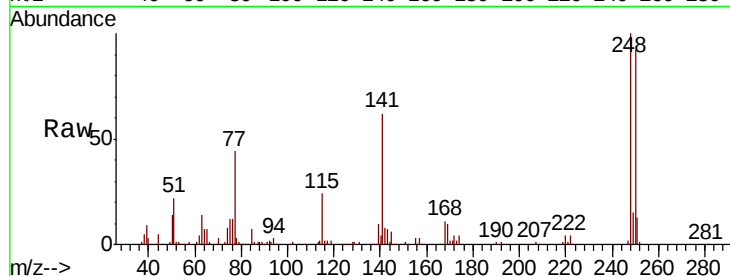




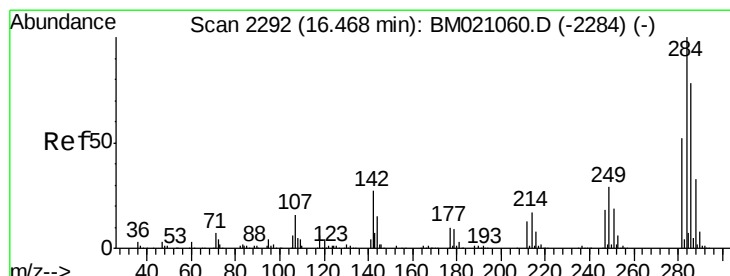
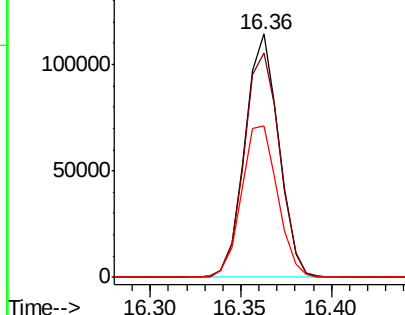
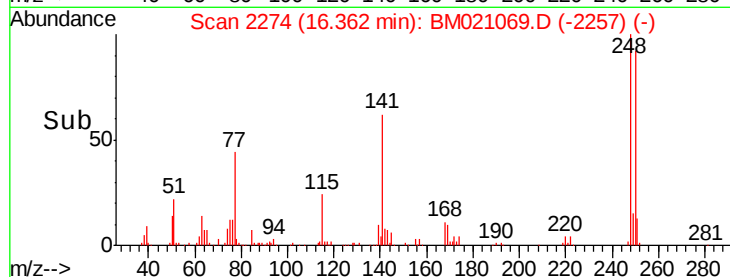
#67
4-Bromophenyl-phenylether
Concen: 6.792 ng
RT: 16.36 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:248 Resp: 148488
Ion Ratio Lower Upper
248 100
250 92.4 77.5 116.3
141 62.1 47.8 71.6

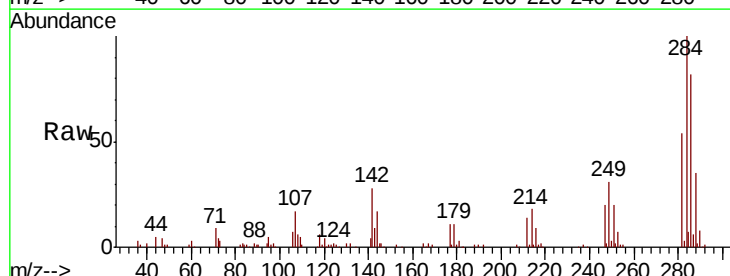


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

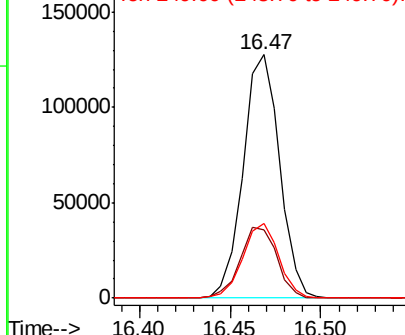
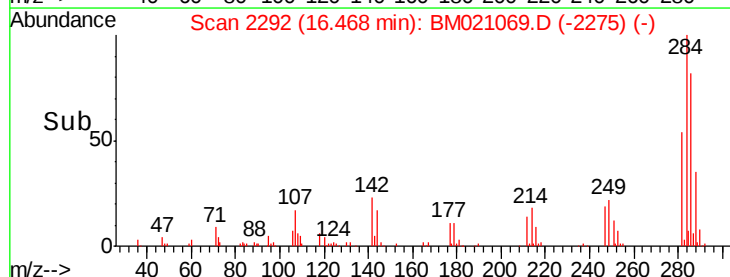


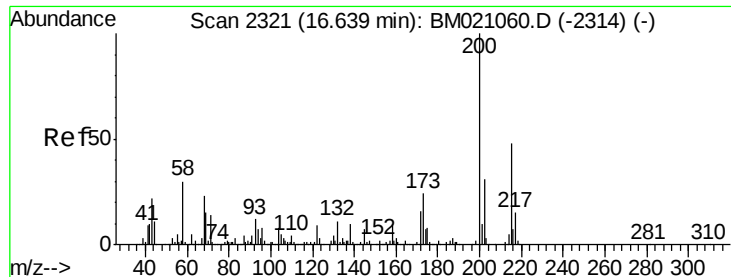
#68
Hexachlorobenzene
Concen: 6.813 ng
RT: 16.47 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:284 Resp: 177936
Ion Ratio Lower Upper
284 100
142 27.8 21.2 31.8
249 30.6 23.4 35.0



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

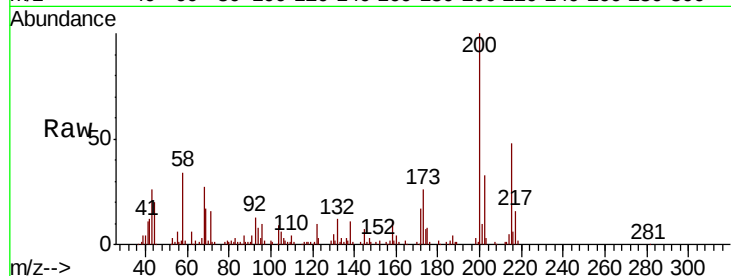




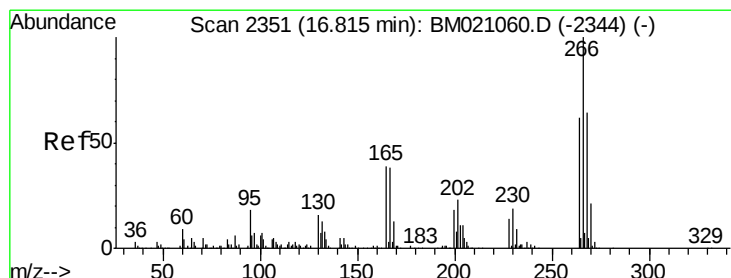
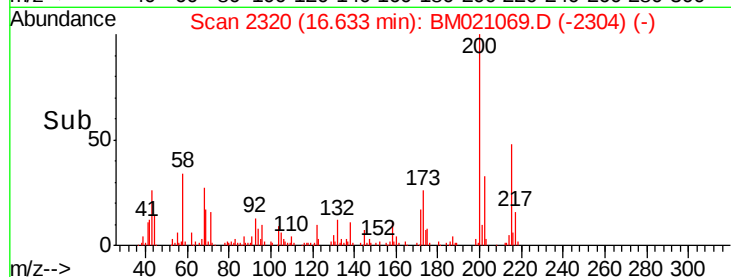
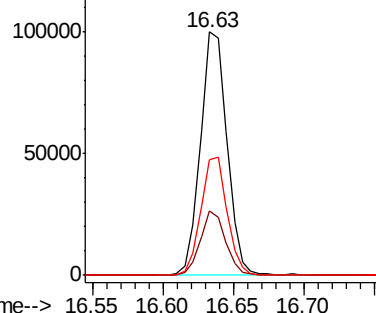
#69
Atrazine
Concen: 7.810 ng
RT: 16.63 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion	Ratio	Lower	Upper
200	100		
173	26.3	4.3	44.3
215	47.6	28.2	68.2

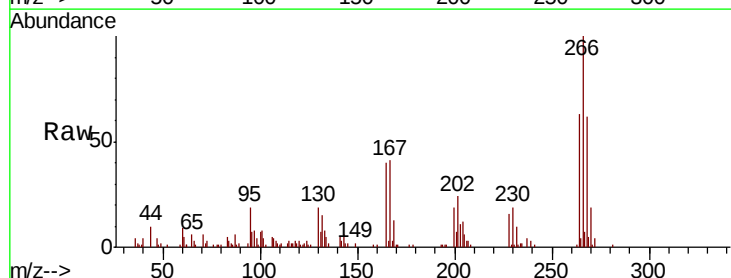


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

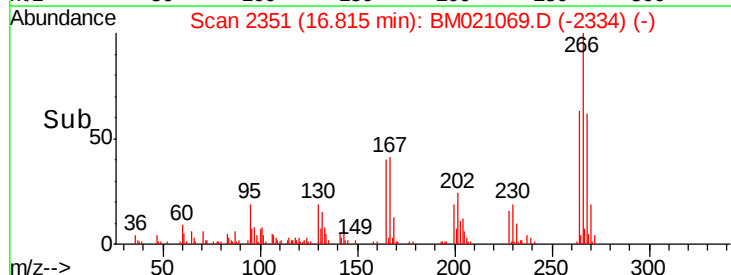
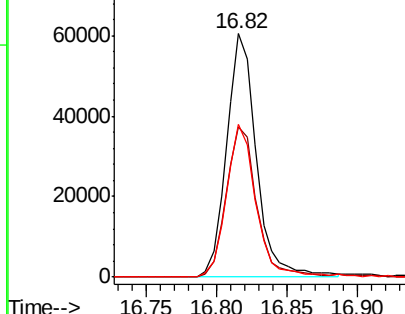


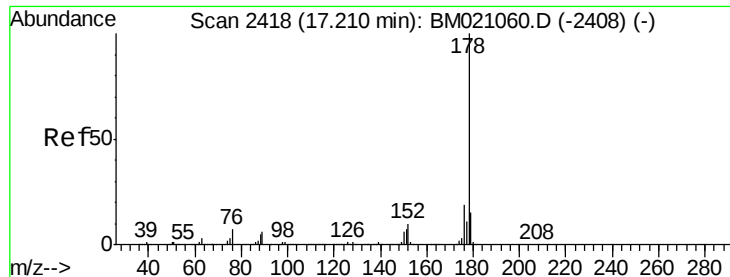
#70
Pentachlorophenol
Concen: 6.320 ng
RT: 16.82 min Scan# 2351
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
266	100		
268	61.5	51.0	76.4
264	62.6	49.9	74.9



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





#71

Phenanthrene

Concen: 7.783 ng

RT: 17.21 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

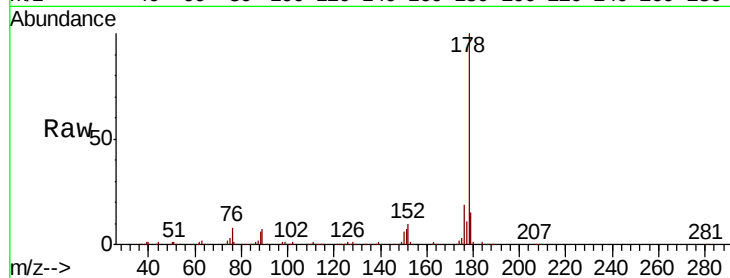
Tgt Ion:178 Resp: 736572

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

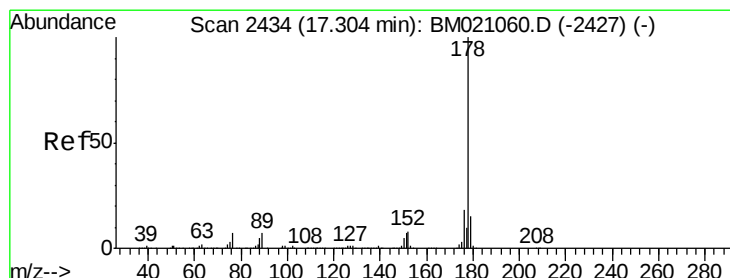
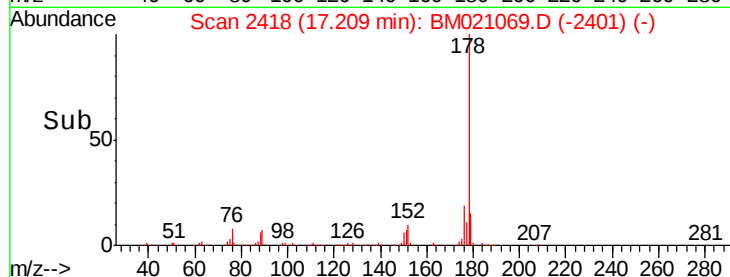
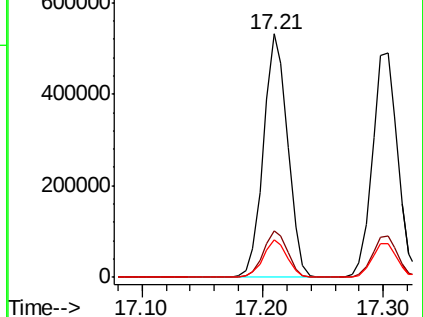
179 15.2 12.2 18.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 7.631 ng

RT: 17.30 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

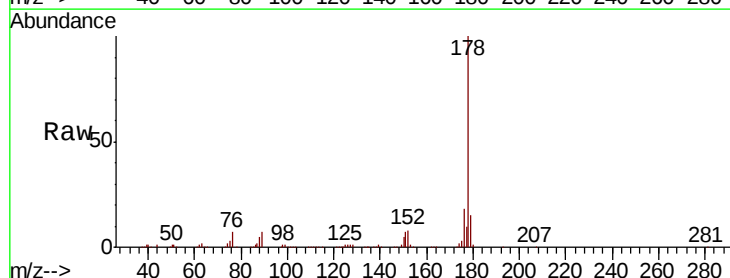
Tgt Ion:178 Resp: 715384

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

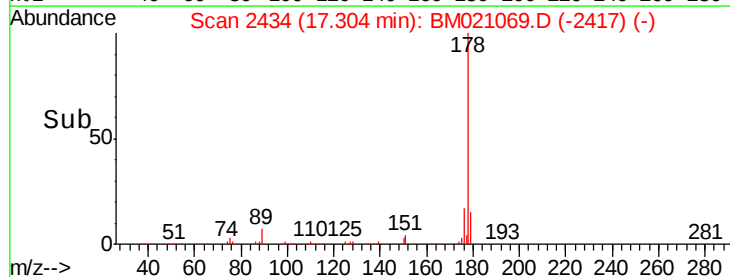
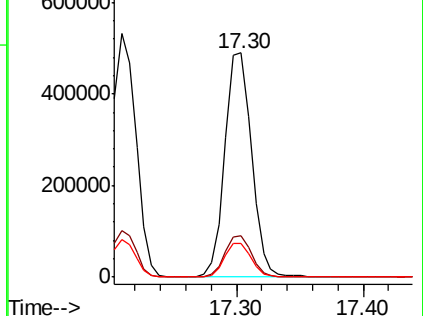
179 15.0 12.2 18.2

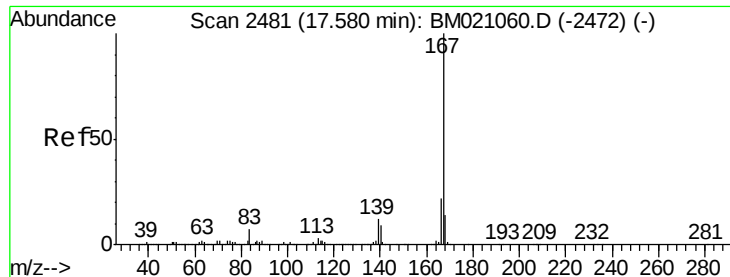


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

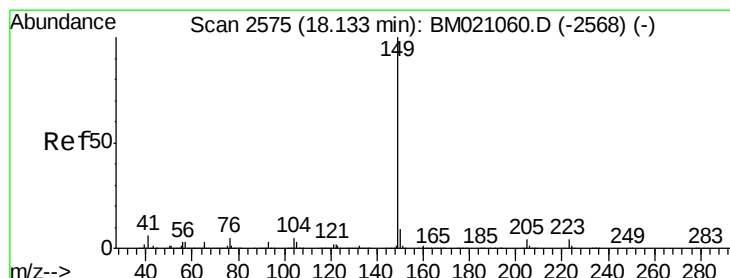
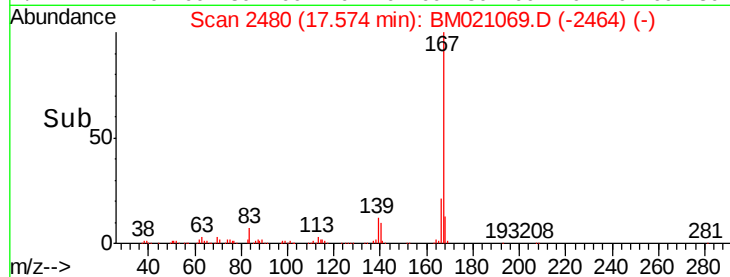
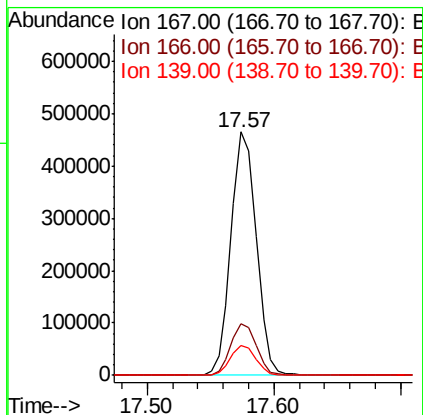
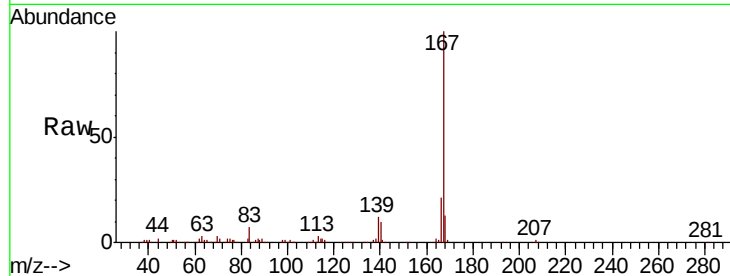




#73
 Carbazole
 Concen: 7.785 ng
 RT: 17.57 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

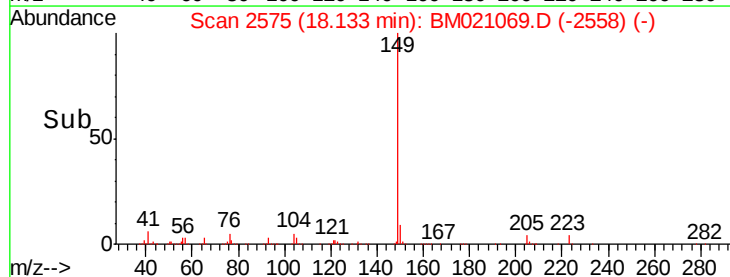
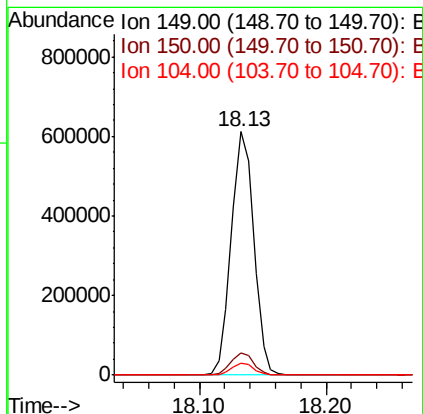
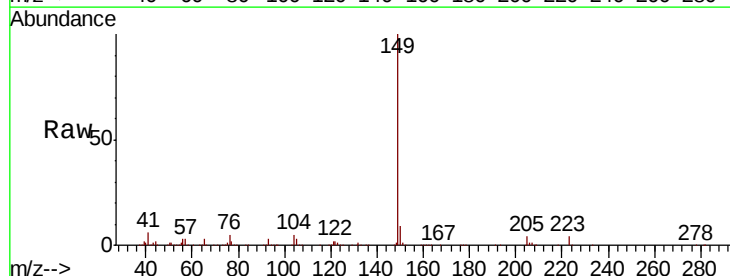
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

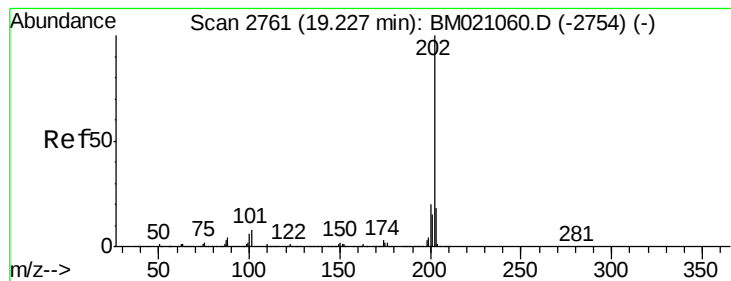
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.2
139	12.2	9.7	14.5



#74
 Di-n-butylphthalate
 Concen: 7.403 ng
 RT: 18.13 min Scan# 2575
 Delta R.T. -0.00 min
 Lab File: BM021069.D
 Acq: 21 Jun 2019 00:58

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	5.1	3.8	5.8





#75

Fluoranthene

Concen: 8.238 ng

RT: 19.23 min Scan# 2761

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

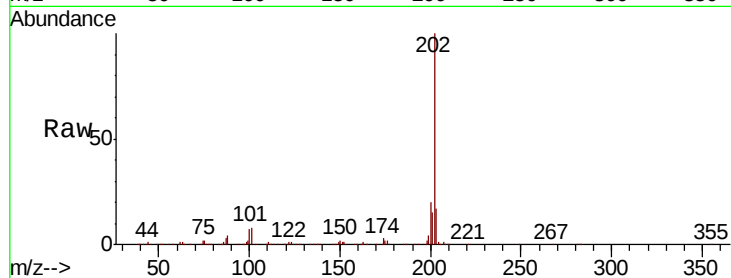
Tgt Ion:202 Resp: 900345

Ion Ratio Lower Upper

202 100

101 8.3 0.0 28.2

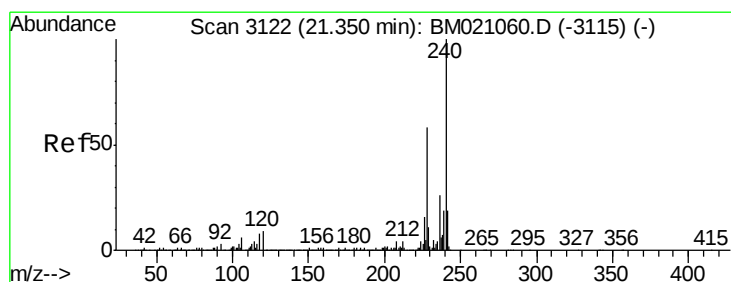
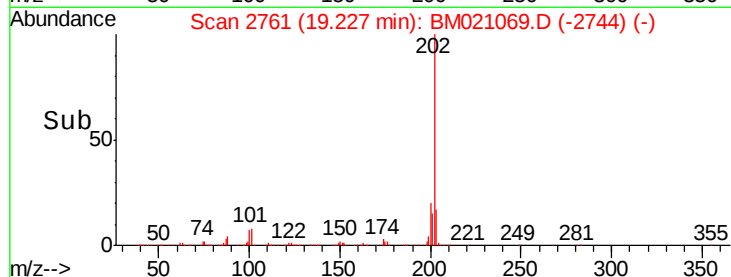
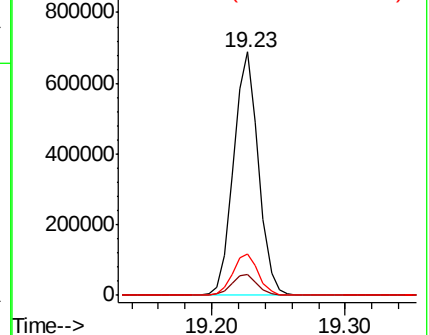
203 17.2 0.0 37.6



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: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

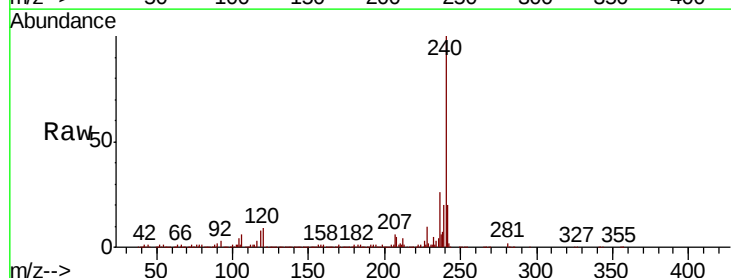
Tgt Ion:240 Resp: 1852406

Ion Ratio Lower Upper

240 100

120 8.7 6.9 10.3

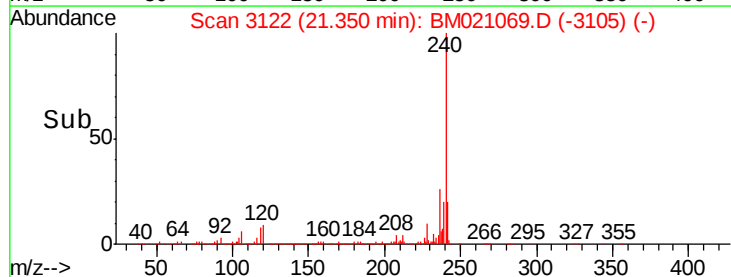
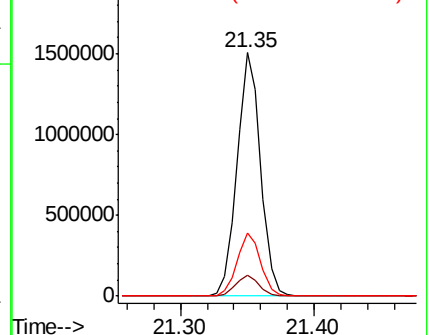
236 25.8 20.4 30.6

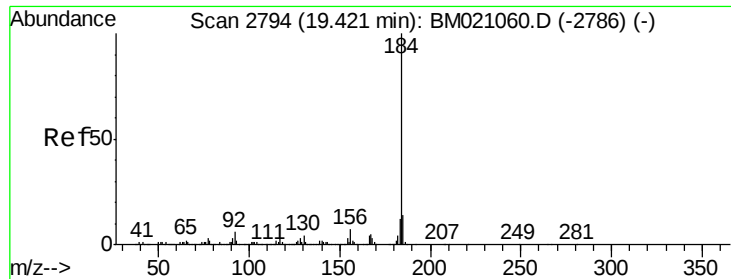


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.018 ng

RT: 19.42 min Scan# 2794

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

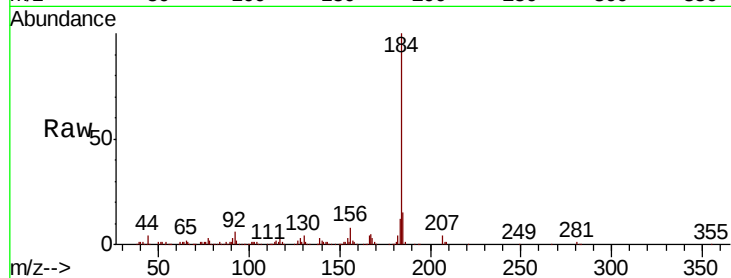
Tgt Ion:184 Resp: 377503

Ion Ratio Lower Upper

184 100

185 14.8 11.4 17.2

183 12.0 9.6 14.4

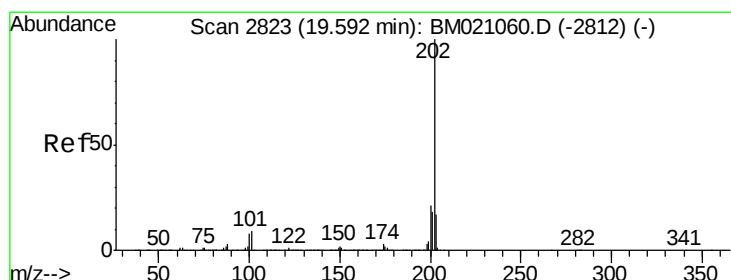
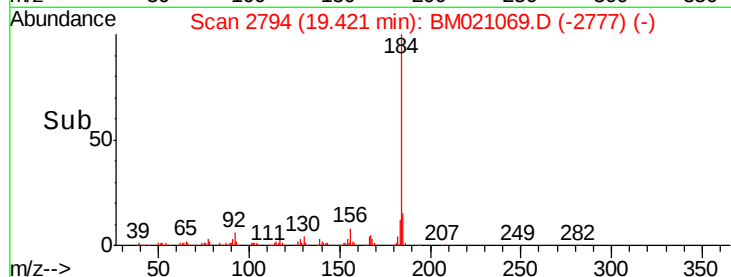
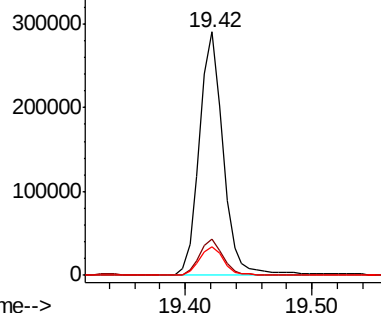


Abundance

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: 7.032 ng

RT: 19.59 min Scan# 2823

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

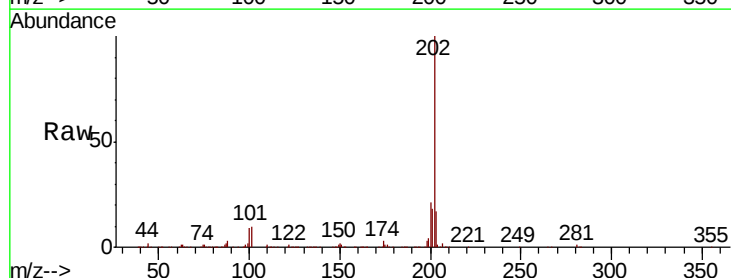
Tgt Ion:202 Resp: 944690

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.4

203 17.2 14.0 21.0

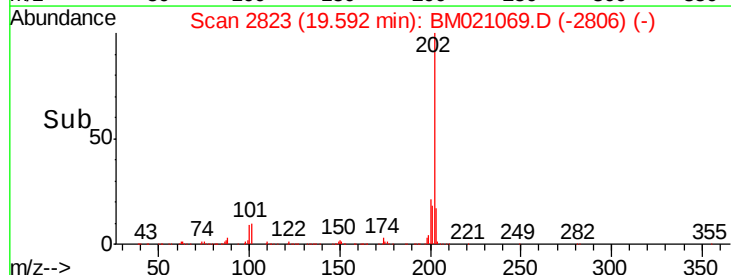
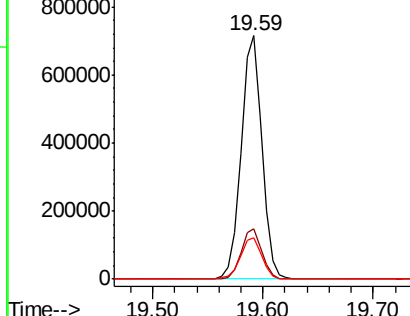


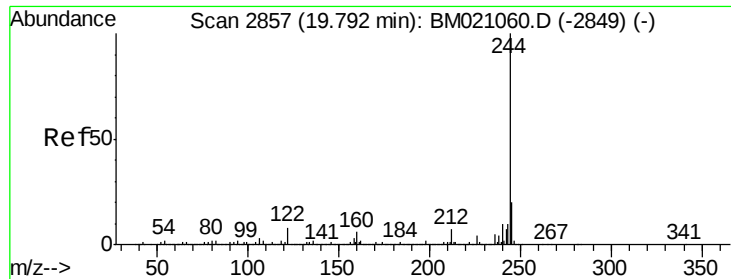
Abundance

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: 20.957 ng

RT: 19.79 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

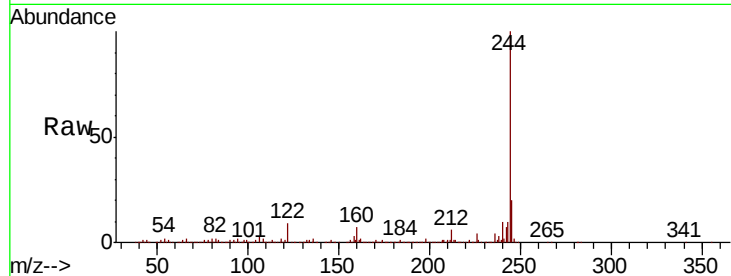
Tgt Ion:244 Resp: 2078472

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

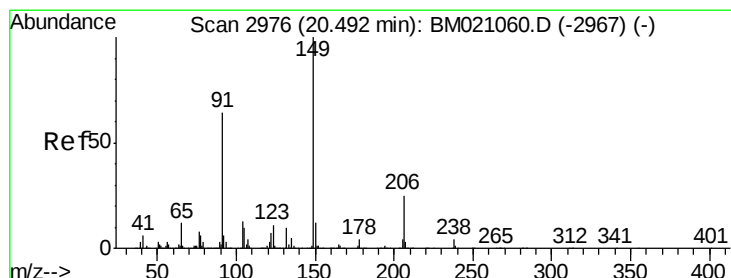
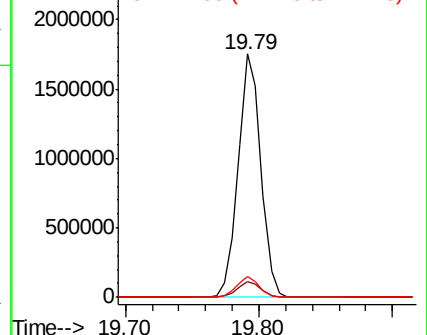
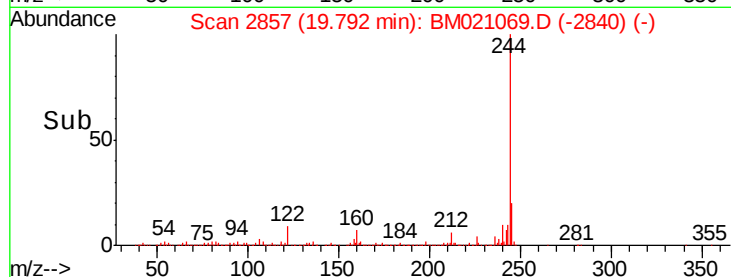
122 8.7 6.6 9.8



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: 6.412 ng

RT: 20.49 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

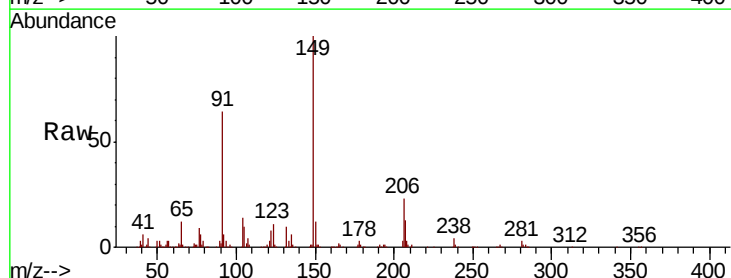
Tgt Ion:149 Resp: 343342

Ion Ratio Lower Upper

149 100

91 63.5 50.9 76.3

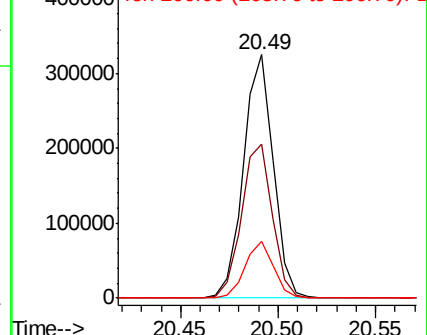
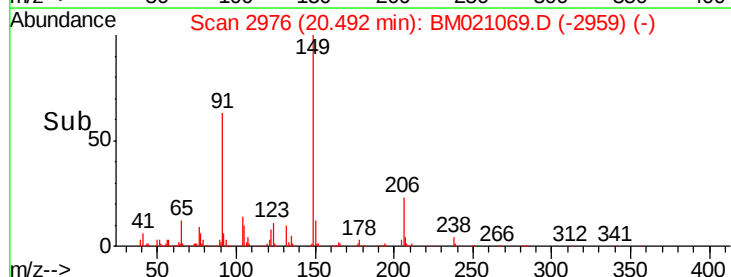
206 23.3 19.7 29.5

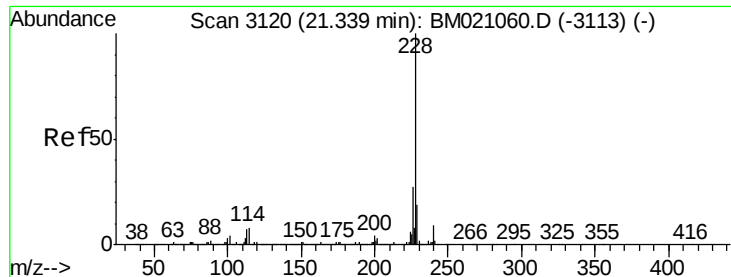


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 7.567 ng

RT: 21.33 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

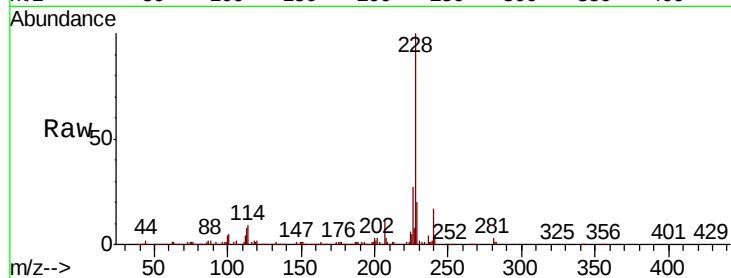
Tgt Ion:228 Resp: 955515

Ion Ratio Lower Upper

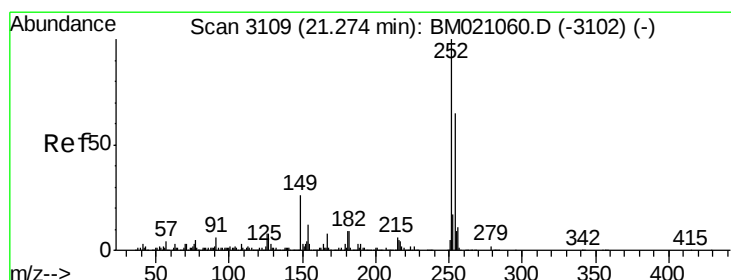
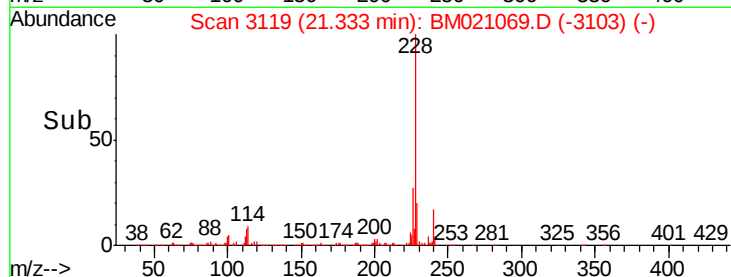
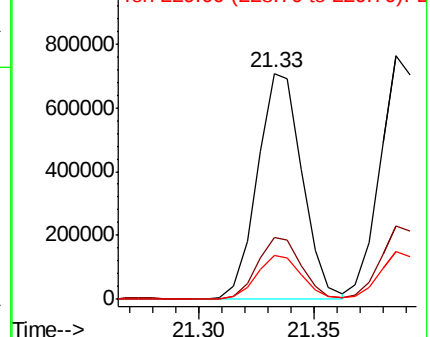
228 100

226 27.2 21.6 32.4

229 19.5 15.5 23.3



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



#82

3,3'-Dichlorobenzidine

Concen: 7.560 ng

RT: 21.27 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

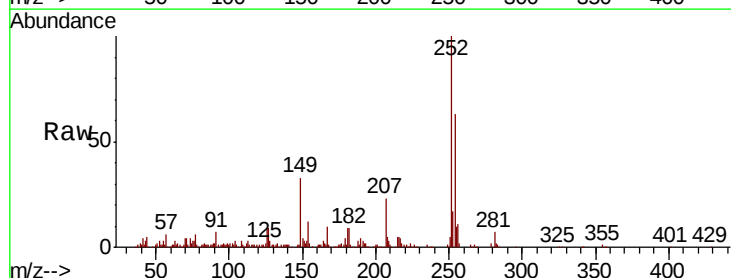
Tgt Ion:252 Resp: 361567

Ion Ratio Lower Upper

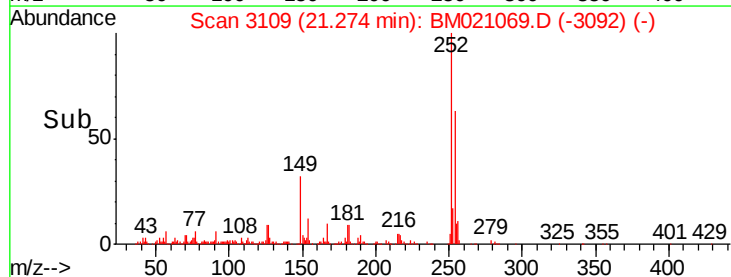
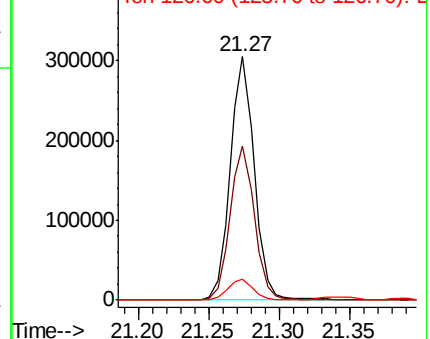
252 100

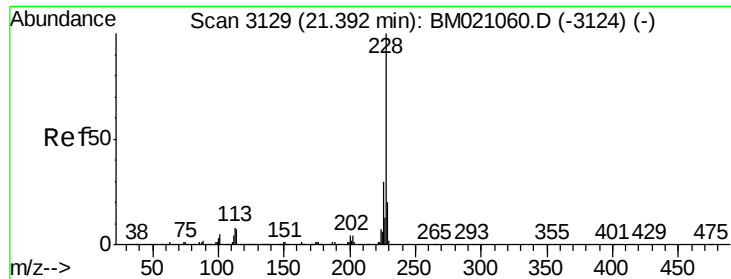
254 63.2 51.7 77.5

126 8.8 6.6 9.8



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

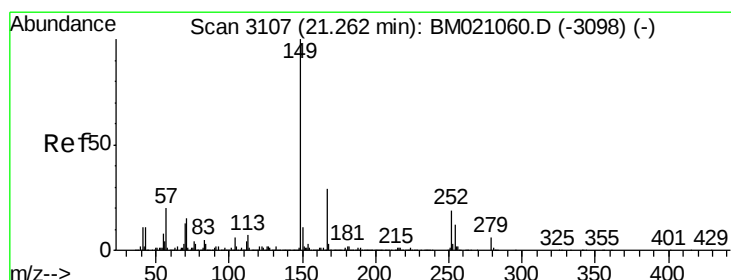
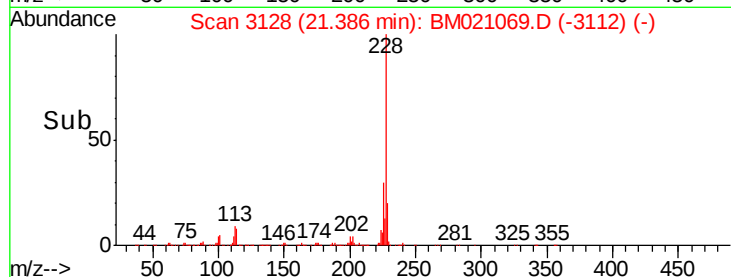
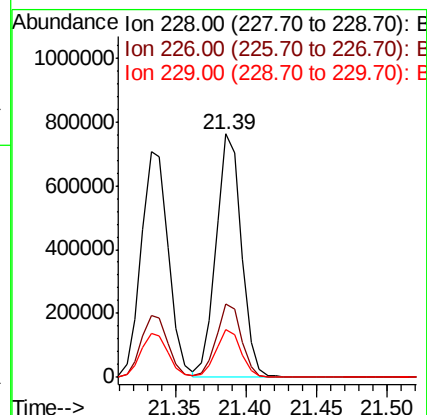
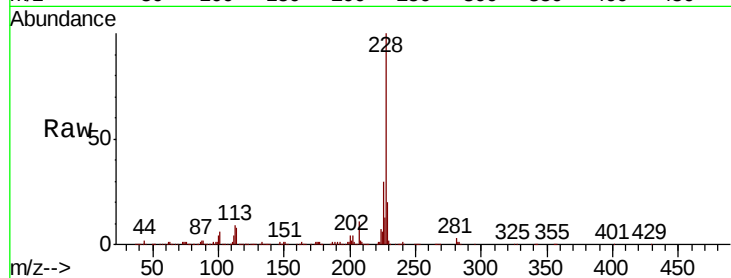




#83
Chrysene
Concen: 7.887 ng
RT: 21.39 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

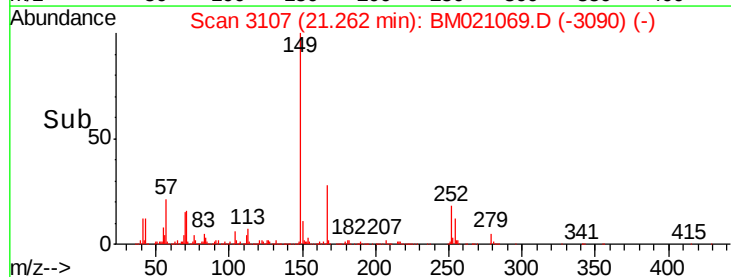
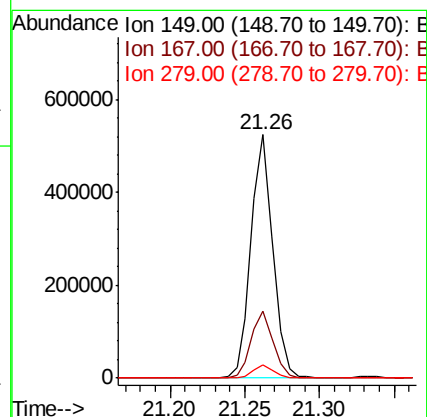
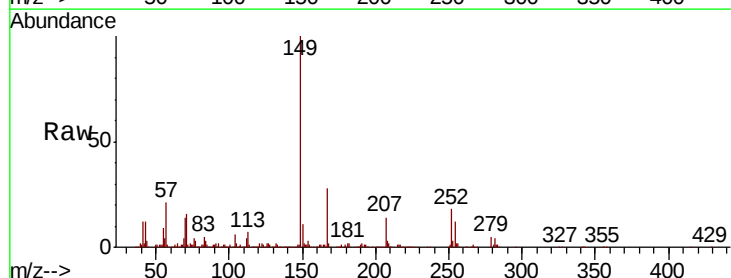
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

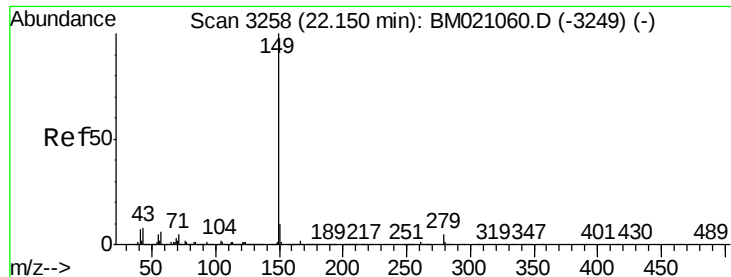
Tgt Ion: 228 Resp: 948788
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 19.6 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.901 ng
RT: 21.26 min Scan# 3107
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion: 149 Resp: 525927
Ion Ratio Lower Upper
149 100
167 27.6 23.0 34.4
279 5.2 4.6 7.0

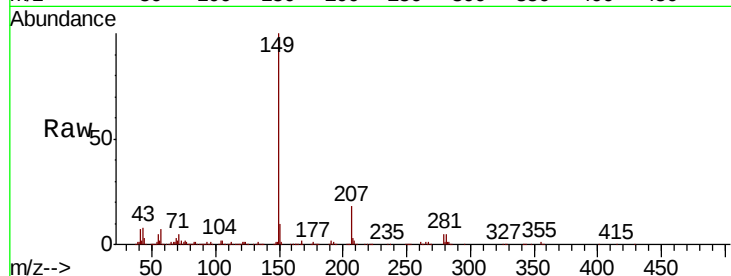




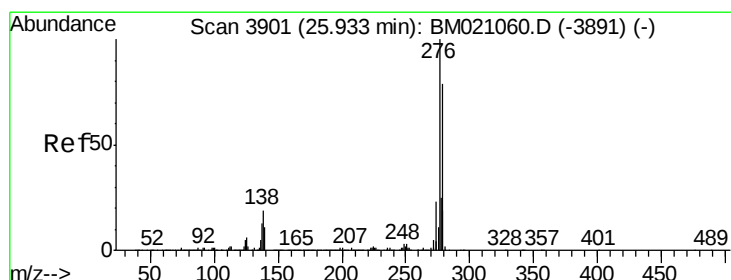
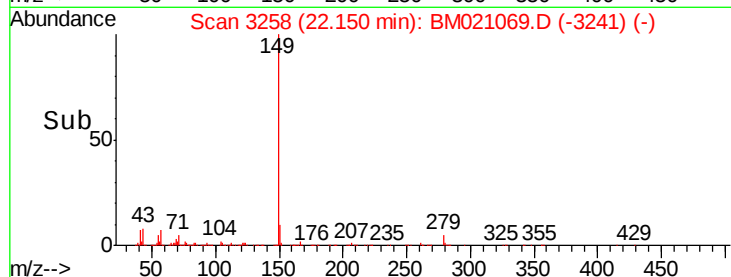
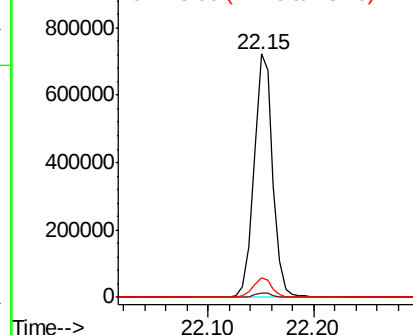
#85
Di-n-octyl phthalate
Concen: 7.387 ng
RT: 22.15 min Scan# 3258
Delta R.T. -0.00 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:149 Resp: 885390
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 8.1 6.2 9.2

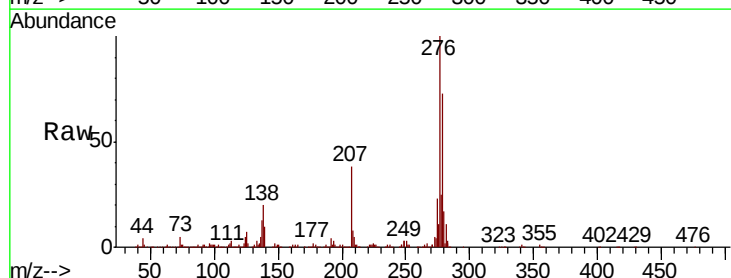


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BM

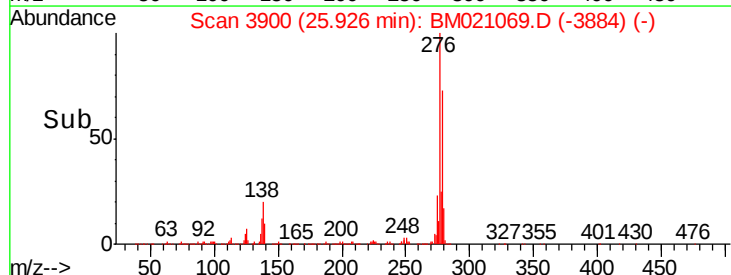
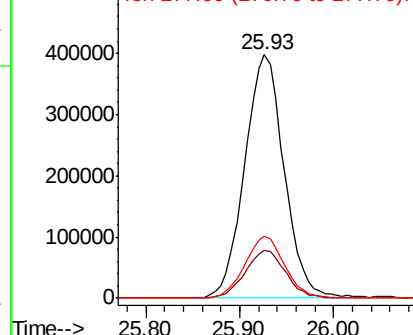


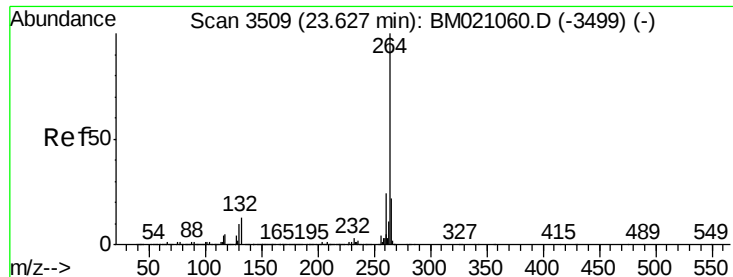
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.688 ng
RT: 25.93 min Scan# 3900
Delta R.T. -0.01 min
Lab File: BM021069.D
Acq: 21 Jun 2019 00:58

Tgt Ion:276 Resp: 1156383
Ion Ratio Lower Upper
276 100
138 20.2 15.4 23.0
277 25.5 20.4 30.6



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: 23.63 min Scan# 3510

Delta R.T. 0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

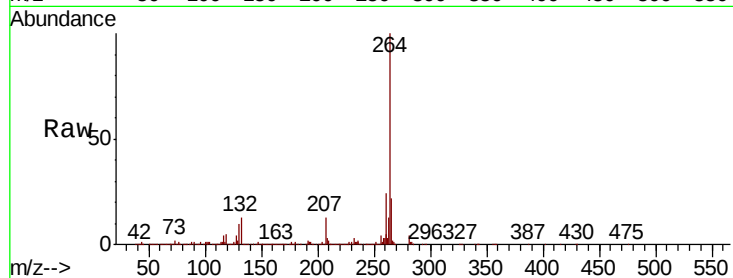
Tgt Ion:264 Resp: 2138844

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

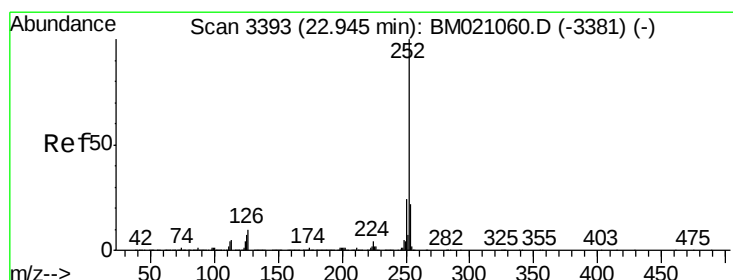
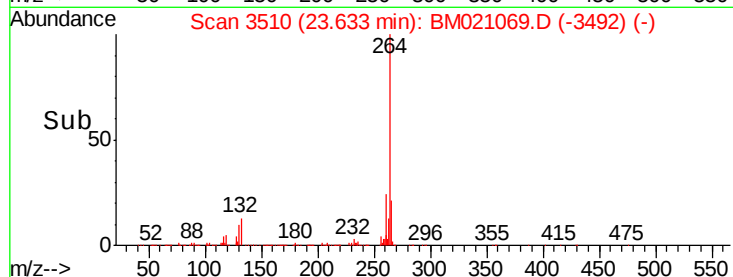
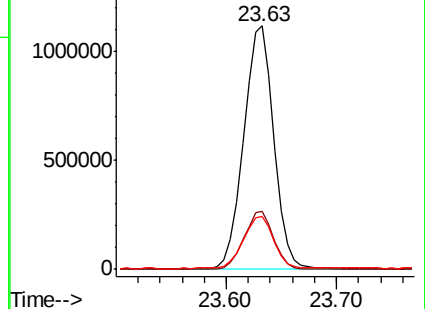
265 21.5 17.7 26.5



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: 7.129 ng

RT: 22.94 min Scan# 3392

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

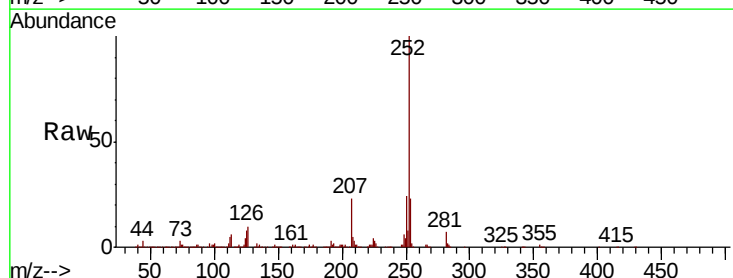
Tgt Ion:252 Resp: 1028636

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

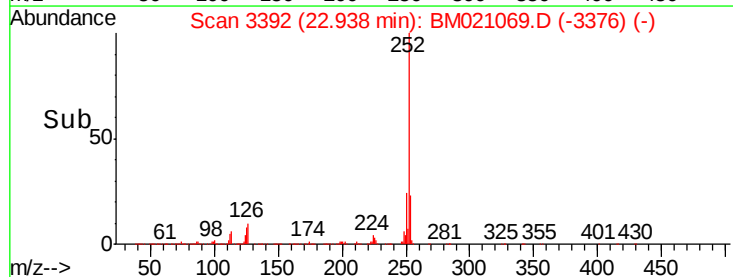
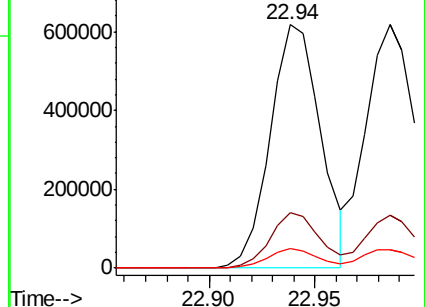
125 8.2 5.9 8.9

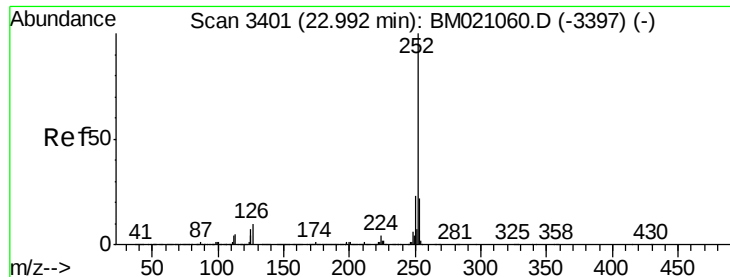


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.339 ng

RT: 22.99 min Scan# 3400

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

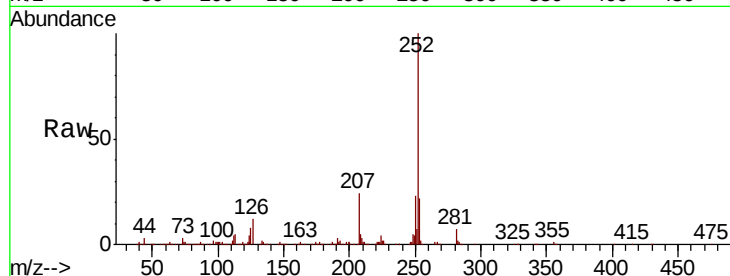
Tgt Ion:252 Resp: 1023705

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 7.7 5.9 8.9

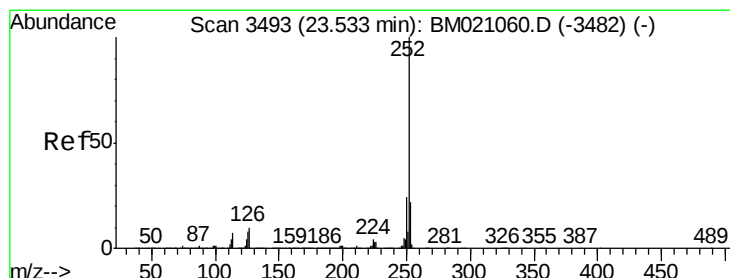
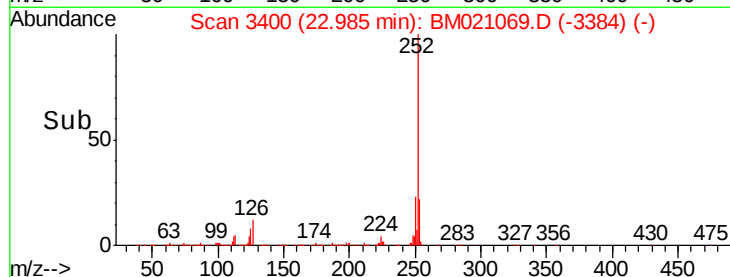
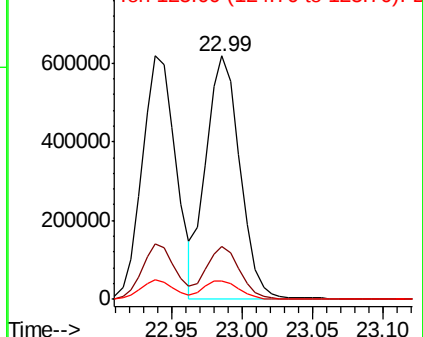


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.519 ng

RT: 23.53 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

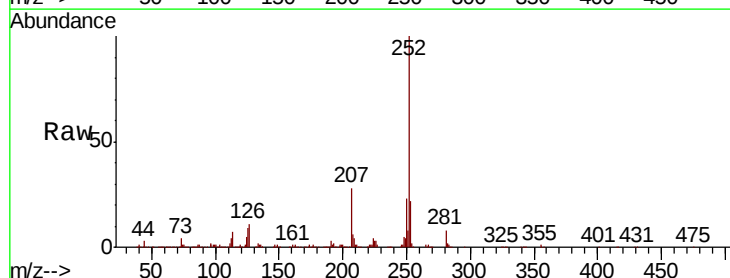
Tgt Ion:252 Resp: 979029

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

125 8.8 6.6 10.0

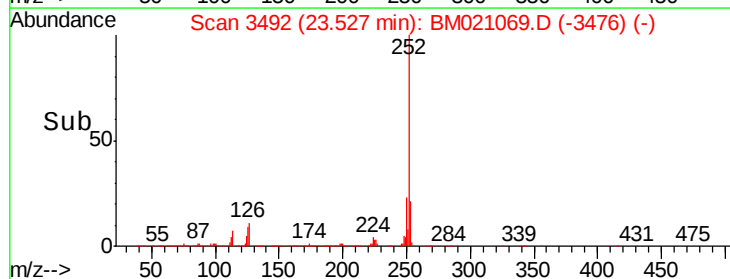
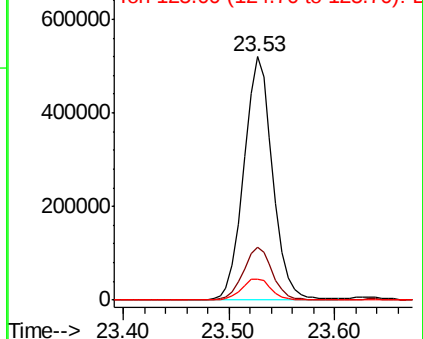


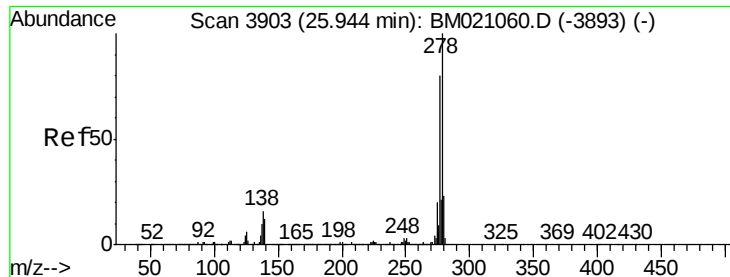
Abundance

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





#91

Dibenzo(a,h)anthracene

Concen: 7.497 ng

RT: 25.94 min Scan# 3902

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

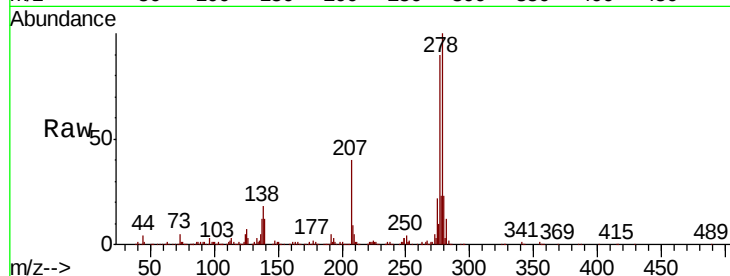
Tgt Ion: 278 Resp: 973214

Ion Ratio Lower Upper

278 100

139 12.0 9.8 14.8

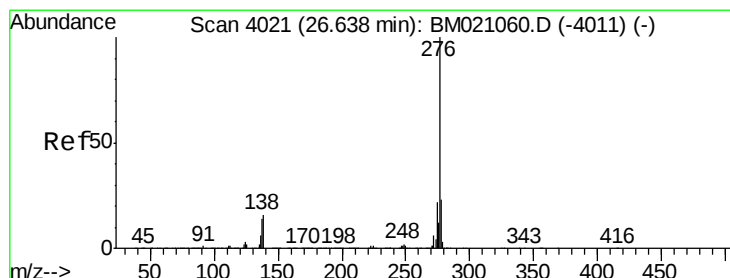
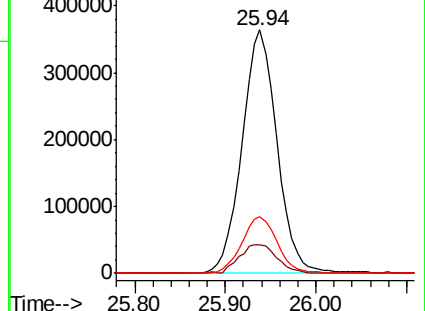
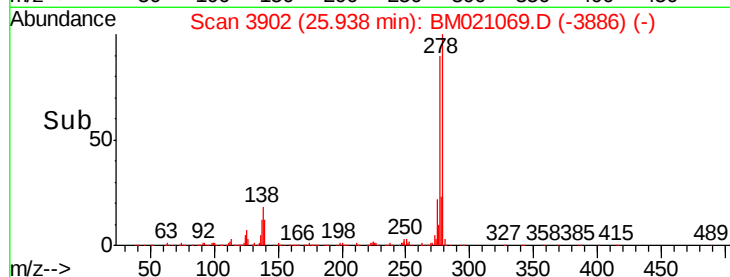
279 23.2 18.7 28.1



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: 7.798 ng

RT: 26.63 min Scan# 4020

Delta R.T. -0.01 min

Lab File: BM021069.D

Acq: 21 Jun 2019 00:58

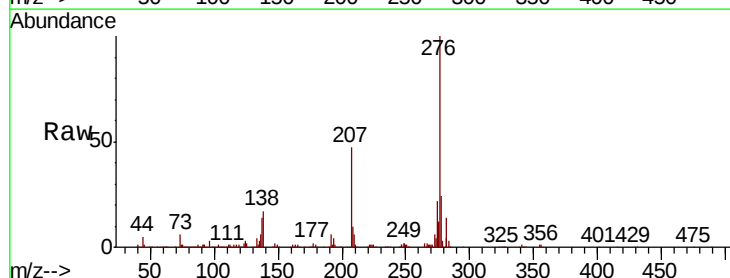
Tgt Ion: 276 Resp: 943975

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 16.8 13.1 19.7



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

