

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026683.D
 Acq On : 07 Jul 2020 18:48
 Operator : JU/CG
 Sample : L2182-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Quant Time: Jul 08 05:19:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 16:22:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	81220	20.00	ng	0.00
21) Naphthalene-d8	10.09	136	362030	20.00	ng	0.00
39) Acenaphthene-d10	13.99	164	253005	20.00	ng	0.00
64) Phenanthrene-d10	16.75	188	584842	20.00	ng	0.00
76) Chrysene-d12	20.97	240	684918	20.00	ng	0.00
86) Perylene-d12	23.04	264	672673	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.97	112	561070	115.78	ng	0.00
7) Phenol-d6	6.54	99	819932	106.20	ng	0.00
23) Nitrobenzene-d5	8.48	82	964998	113.72	ng	0.00
42) 2,4,6-Tribromophenol	15.50	330	451640	122.54	ng	0.00
45) 2-Fluorobiphenyl	12.60	172	2184527	114.80	ng	0.00
79) Terphenyl-d14	19.42	244	4049829	116.37	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.96	88	9838	4.225	ng	97
3) Pyridine	3.37	79	16265	2.442	ng	# 84
4) n-Nitrosodimethylamine	3.28	42	13585	3.408	ng	# 89
6) Aniline	6.68	93	35304	3.726	ng	92
8) 2-Chlorophenol	6.90	128	21474	3.720	ng	97
9) Benzaldehyde	6.49	77	23123	5.396	ng	95
10) Phenol	6.56	94	27252	3.571	ng	93
11) bis(2-Chloroethyl)ether	6.78	93	22821	3.577	ng	95
12) 1,3-Dichlorobenzene	7.22	146	22866	3.644	ng	95
13) 1,4-Dichlorobenzene	7.36	146	23140	3.623	ng	95
14) 1,2-Dichlorobenzene	7.67	146	23091	3.629	ng	95
15) Benzyl Alcohol	7.59	79	20378	3.085	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.86	45	46451	3.527	ng	97
17) 2-Methylphenol	7.79	107	17164	2.960	ng	97
18) Hexachloroethane	8.38	117	9040	3.564	ng	93
19) n-Nitroso-di-n-propylamine	8.15	70	21325	3.320	ng	100
20) 3+4-Methylphenols	8.12	107	22781	2.857	ng	93
22) Acetophenone	8.16	105	38819	3.773	ng	# 97
24) Nitrobenzene	8.52	77	31973	3.582	ng	99
25) Isophorone	9.05	82	54321	3.338	ng	96
26) 2-Nitrophenol	9.23	139	9876	2.997	ng	99
27) 2,4-Dimethylphenol	9.31	122	18898	3.527	ng	98
28) bis(2-Chloroethoxy)methane	9.54	93	31514	3.506	ng	99
29) 2,4-Dichlorophenol	9.77	162	18427	3.123	ng	97
30) 1,2,4-Trichlorobenzene	9.96	180	23850	3.623	ng	96
31) Naphthalene	10.13	128	71974	3.574	ng	99
32) Benzoic acid	9.42	122	3295	0.810	ng	# 76
33) 4-Chloroaniline	10.27	127	27350	3.105	ng	99
34) Hexachlorobutadiene	10.42	225	14653	3.361	ng	99
35) Caprolactam	11.05	113	6960	3.330	ng	# 82
36) 4-Chloro-3-methylphenol	11.41	107	23923	3.208	ng	98
37) 2-Methylnaphthalene	11.76	142	53794	3.606	ng	95
38) 1-Methylnaphthalene	11.99	142	51360	3.594	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.14	216	29503	3.607	ng	99

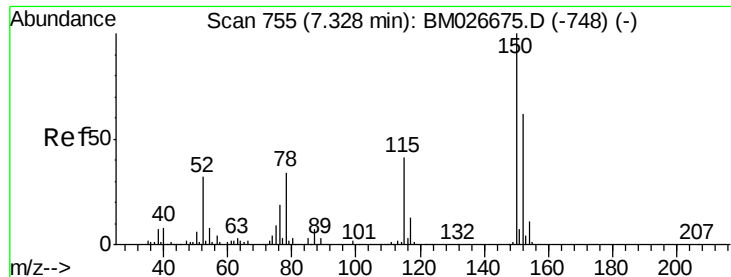
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070820\
 Data File : BM026683.D
 Acq On : 07 Jul 2020 18:48
 Operator : JU/CG
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 QLast Update : Tue Jul 07 16:22:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.12	237	6802	1.743	ng	95
43) 2,4,6-Trichlorophenol	12.41	196	15570	2.906	ng	97
44) 2,4,5-Trichlorophenol	12.49	196	18293	2.906	ng	94
46) 1,1'-Biphenyl	12.81	154	79490	3.978	ng	99
47) 2-Chloronaphthalene	12.84	162	54238	3.360	ng	97
48) 2-Nitroaniline	13.07	65	17615	2.651	ng	96
49) Acenaphthylene	13.70	152	85746	3.322	ng	98
50) Dimethylphthalate	13.47	163	74562	3.445	ng	100
51) 2,6-Dinitrotoluene	13.59	165	14591	3.149	ng	91
52) Acenaphthene	14.06	154	54439	3.471	ng	98
53) 3-Nitroaniline	13.93	138	12013	2.492	ng	94
54) 2,4-Dinitrophenol	14.16	184	2846	1.049	ng	# 81
55) Dibenzofuran	14.40	168	90021	3.500	ng	96
56) 4-Nitrophenol	14.27	139	6753	1.785	ng	87
57) 2,4-Dinitrotoluene	14.39	165	18150	2.714	ng	# 74
58) Fluorene	15.05	166	70037	3.289	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.64	232	17107	3.111	ng	98
60) Diethylphthalate	14.85	149	77239	3.375	ng	98
61) 4-Chlorophenyl-phenylether	15.06	204	37487	3.249	ng	95
62) 4-Nitroaniline	15.10	138	10127	2.013	ng	87
63) Azobenzene	15.35	77	80956	3.221	ng	94
65) 4,6-Dinitro-2-methylphenol	15.17	198	7955	2.001	ng	94
66) n-Nitrosodiphenylamine	15.28	169	63023	3.391	ng	95
67) 4-Bromophenyl-phenylether	15.96	248	23306	3.202	ng	98
68) Hexachlorobenzene	16.06	284	26648	3.478	ng	96
69) Atrazine	16.25	200	24798	4.437	ng	98
70) Pentachlorophenol	16.42	266	10221	2.358	ng	96
71) Phenanthrene	16.79	178	120655	3.495	ng	98
72) Anthracene	16.89	178	114197	3.322	ng	99
73) Carbazole	17.17	167	99922	3.049	ng	96
74) Di-n-butylphthalate	17.75	149	128001	3.107	ng	99
75) Fluoranthene	18.82	202	145104	3.412	ng	98
77) Benzidine	19.03	184	53437	3.957	ng	98
78) Pyrene	19.19	202	153055	3.547	ng	99
80) Butylbenzylphthalate	20.13	149	58427	3.018	ng	97
81) Benzo(a)anthracene	20.95	228	162101	3.523	ng	99
82) 3,3'-Dichlorobenzidine	20.90	252	53912	3.692	ng	98
83) Chrysene	21.00	228	155860	3.481	ng	99
84) Bis(2-ethylhexyl)phthalate	20.91	149	94409	3.044	ng	# 99
85) Di-n-octyl phthalate	21.76	149	155417	2.931	ng	96
87) Indeno(1,2,3-cd)pyrene	25.04	276	156832	3.275	ng	99
88) Benzo(b)fluoranthene	22.43	252	153081	3.454	ng	98
89) Benzo(k)fluoranthene	22.47	252	161710	3.720	ng	100
90) Benzo(a)pyrene	22.95	252	139503	3.390	ng	99
91) Dibenzo(a,h)anthracene	25.05	278	131936	3.264	ng	98
92) Benzo(g,h,i)perylene	25.65	276	129148	3.467	ng	97

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

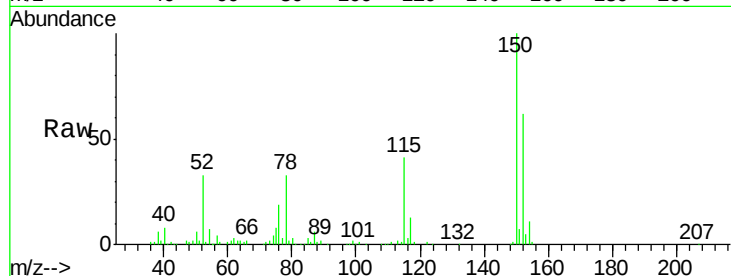


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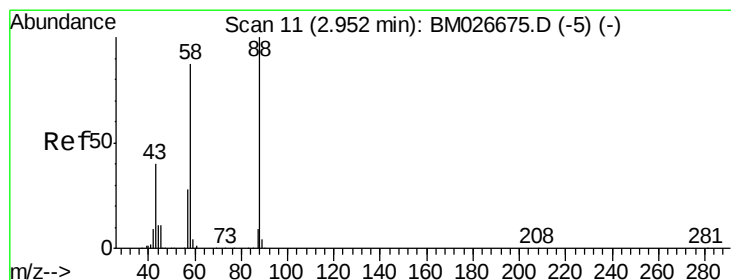
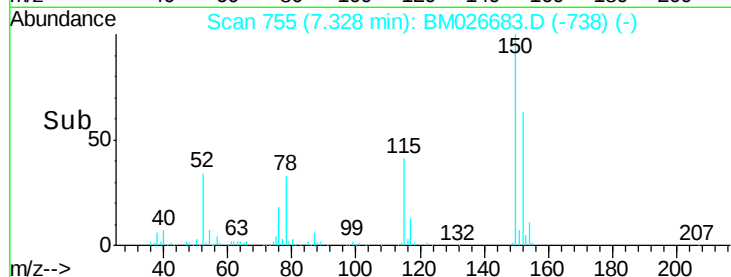
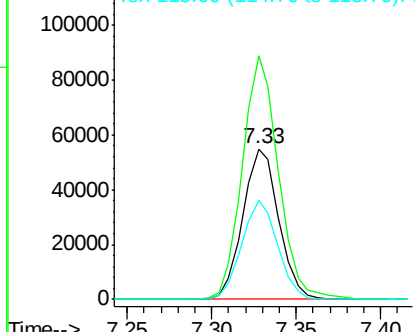
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.33 min Scan# 755
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:152 Resp: 81220
Ion Ratio Lower Upper
152 100
150 161.8 128.1 192.1
115 65.9 52.2 78.4



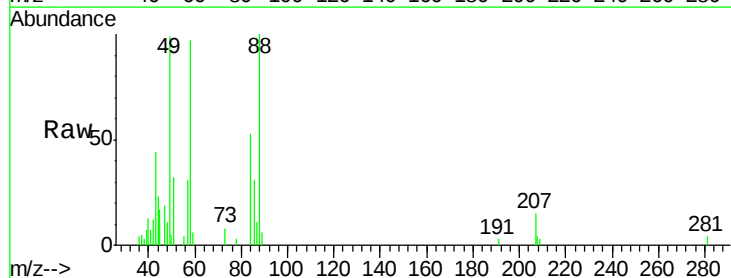
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



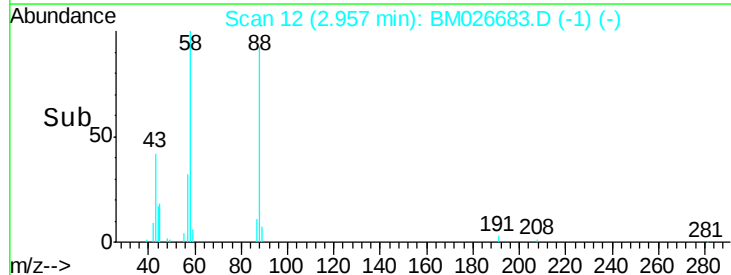
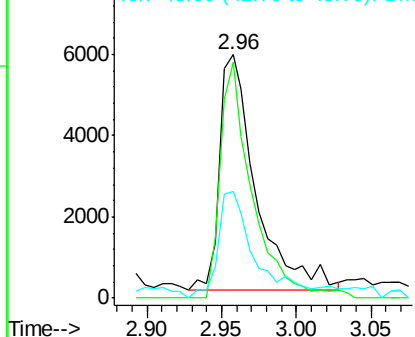
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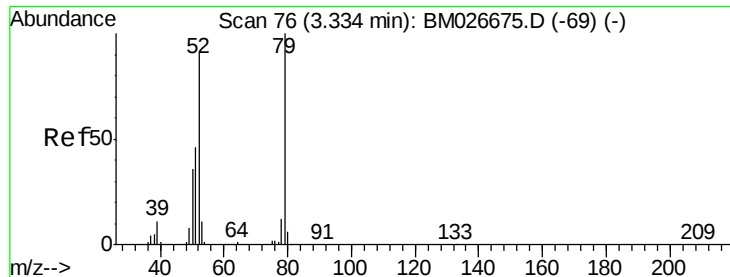
1,4-Dioxane
Concen: 4.225 ng
RT: 2.96 min Scan# 12
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion: 88 Resp: 9838
Ion Ratio Lower Upper
88 100
58 89.4 73.2 109.8
43 46.4 34.3 51.5



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

Pvridine

Concen: 2.442 ng

RT: 3.37 min Scan# 83

Delta R.T. 0.04 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

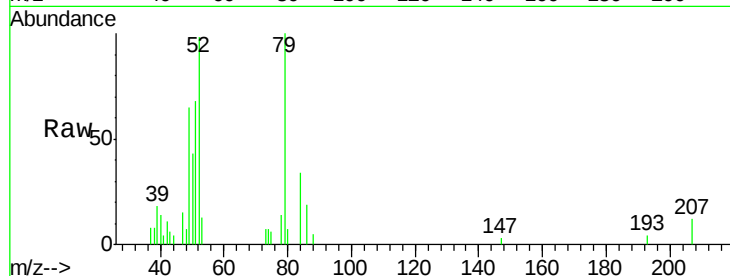
Tot Ion: 79 Resp: 16265

Ion Ratio Lower Upper

79 100

52 98.5 72.9 109.3

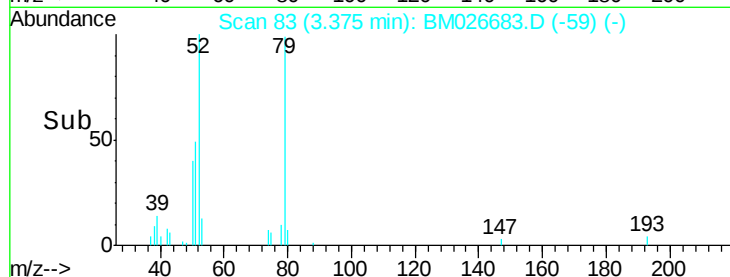
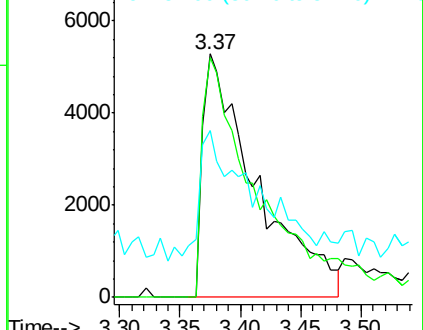
51 68.4 37.6 56.4#



Abundance Ion 79.00 (78.70 to 79.70): BM026675.D (-69) (-)

Ion 52.00 (51.70 to 52.70): BM026675.D (-69) (-)

Ion 51.00 (50.70 to 51.70): BM026675.D (-69) (-)



#4

n-Nitrosodimethylamine

Concen: 3.408 ng

RT: 3.28 min Scan# 67

Delta R.T. 0.03 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

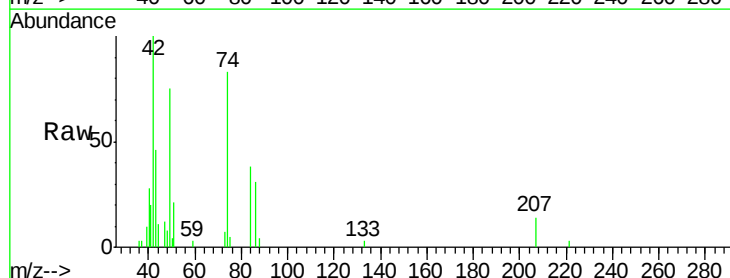
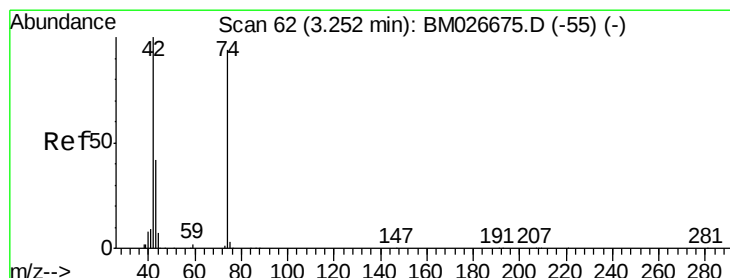
Tgt Ion: 42 Resp: 13585

Ion Ratio Lower Upper

42 100

74 83.2 75.1 112.7

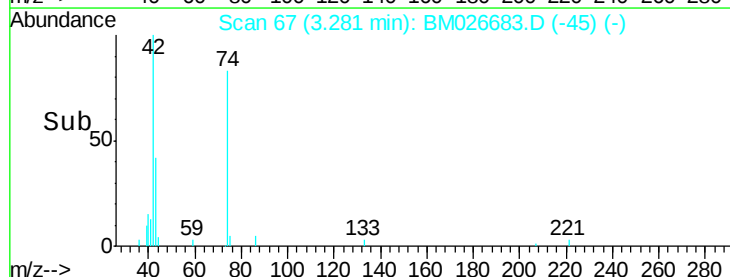
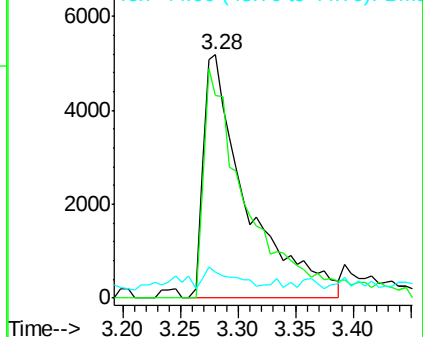
44 10.7 5.7 8.5#

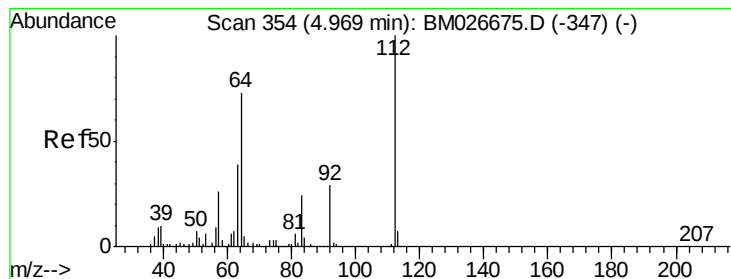


Abundance Ion 42.00 (41.70 to 42.70): BM026675.D (-55) (-)

Ion 74.00 (73.70 to 74.70): BM026675.D (-55) (-)

Ion 44.00 (43.70 to 44.70): BM026675.D (-55) (-)





#5

2-Fluorophenol

Concen: 115.785 ng

RT: 4.97 min Scan# 354

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

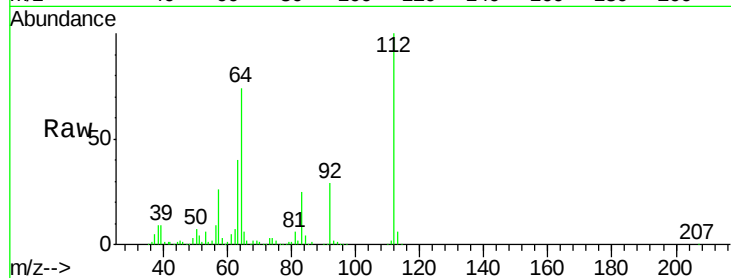
Tot Ion:112 Resp: 561070

Ion Ratio Lower Upper

112 100

64 74.2 58.4 87.6

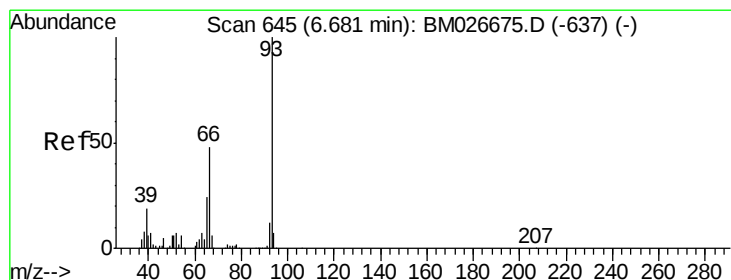
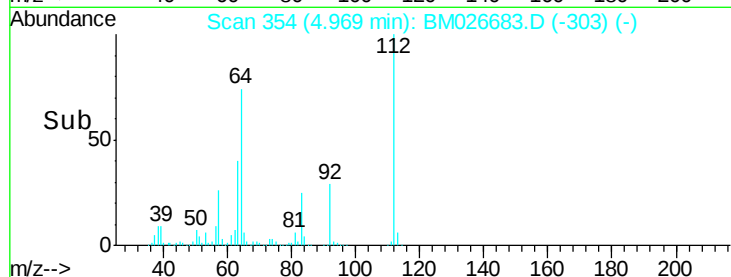
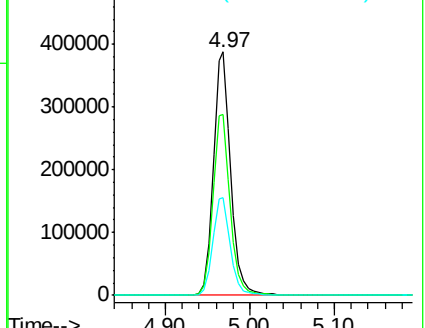
63 40.1 31.5 47.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#6

Aniline

Concen: 3.726 ng

RT: 6.68 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

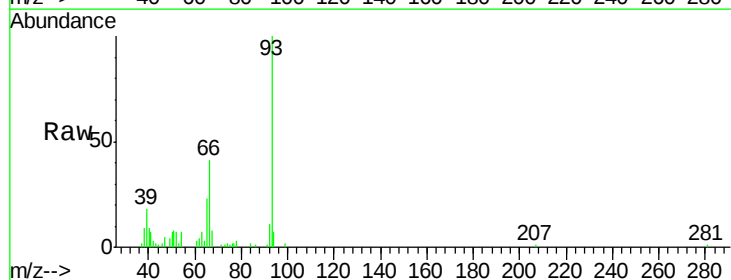
Tgt Ion: 93 Resp: 35304

Ion Ratio Lower Upper

93 100

66 40.7 38.2 57.4

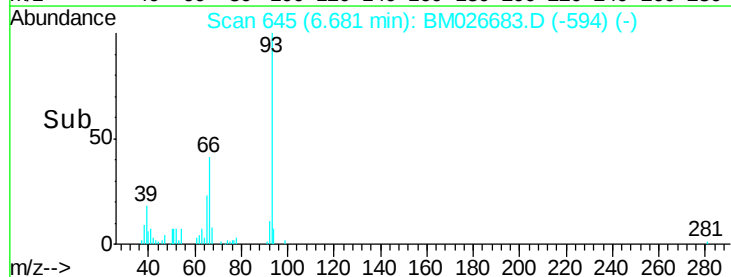
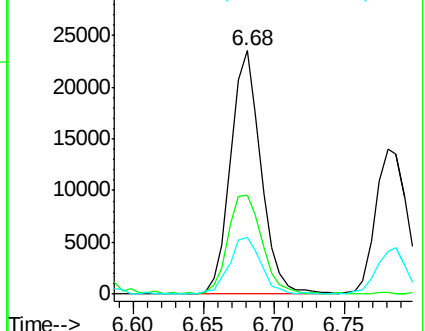
65 23.3 19.6 29.4

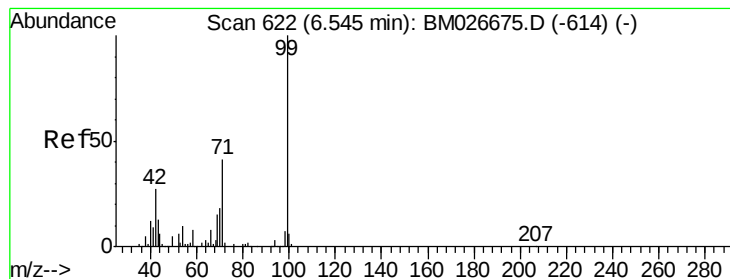


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 106.201 ng

RT: 6.54 min Scan# 621

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

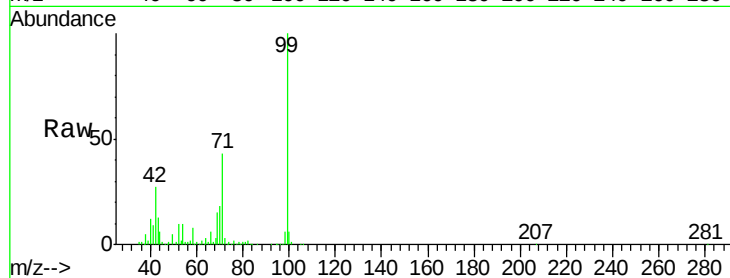
Tot Ion: 99 Resp: 819932

Ion Ratio Lower Upper

99 100

42 27.2 21.7 32.5

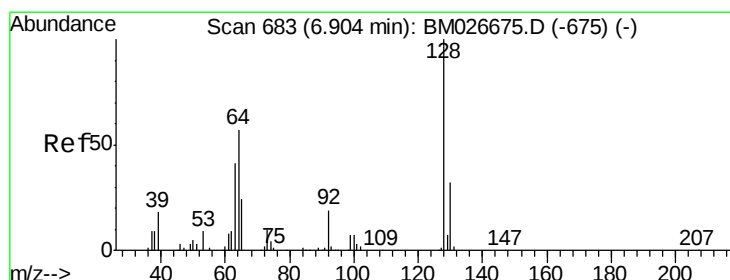
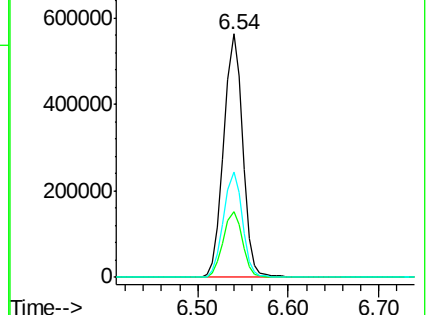
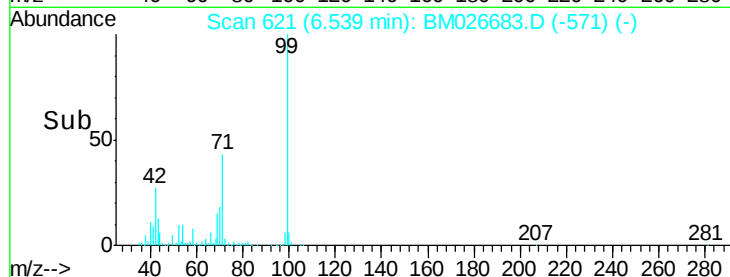
71 43.3 33.2 49.8



Abundance Ion 99.00 (98.70 to 99.70): BM026683.D (-571) (-)

Ion 42.00 (41.70 to 42.70): BM026683.D (-571) (-)

Ion 71.00 (70.70 to 71.70): BM026683.D (-571) (-)



#8

2-Chlorophenol

Concen: 3.720 ng

RT: 6.90 min Scan# 682

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

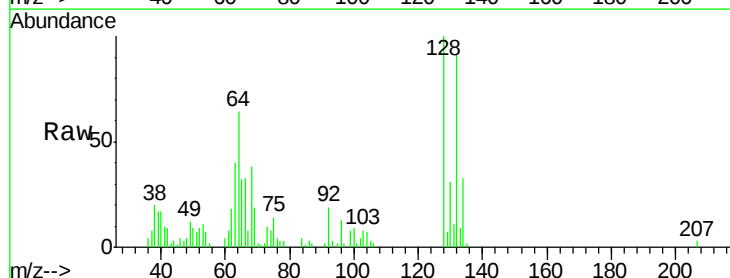
Tgt Ion: 128 Resp: 21474

Ion Ratio Lower Upper

128 100

130 31.5 12.2 52.2

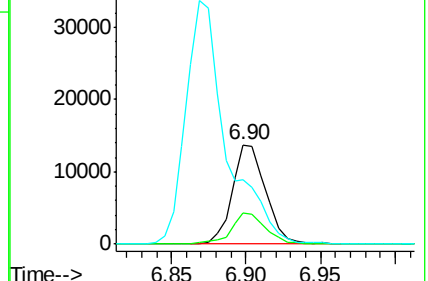
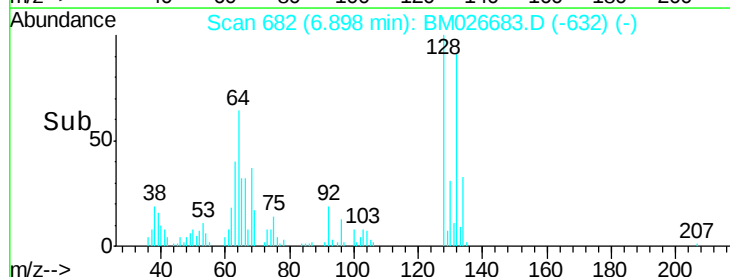
64 64.4 41.4 81.4

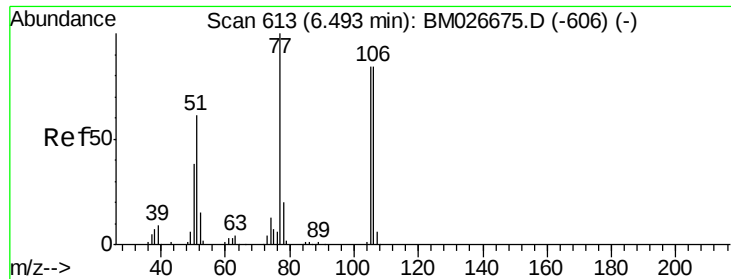


Abundance Ion 128.00 (127.70 to 128.70): BM026683.D (-632) (-)

Ion 130.00 (129.70 to 130.70): BM026683.D (-632) (-)

Ion 64.00 (63.70 to 64.70): BM026683.D (-632) (-)





#9

Benzaldehyde

Concen: 5.396 ng

RT: 6.49 min Scan# 613

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

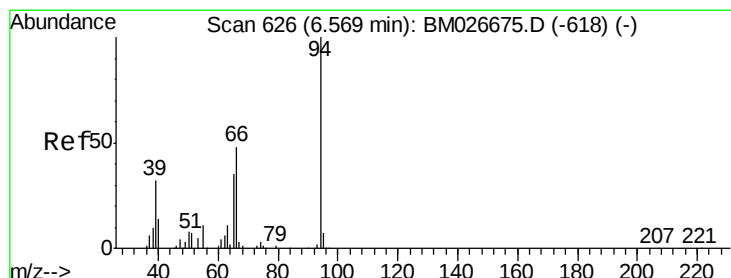
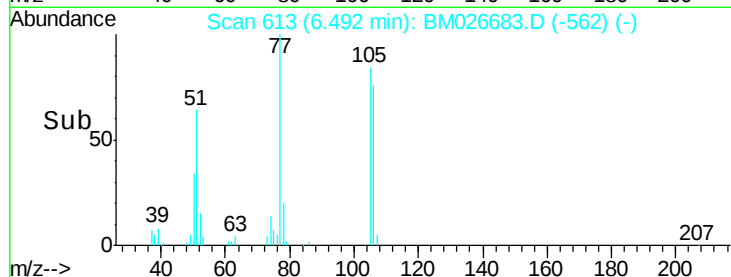
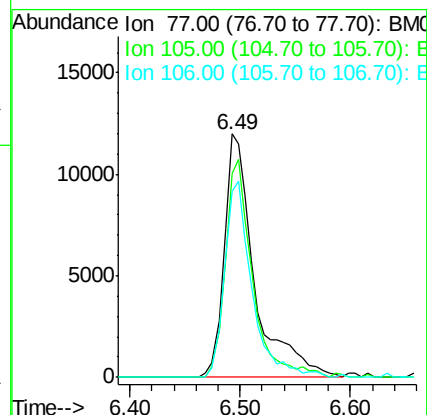
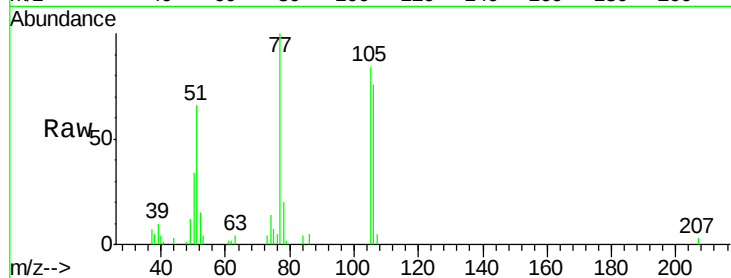
Tot Ion: 77 Resp: 23123

Ion Ratio Lower Upper

77 100

105 83.7 64.4 104.4

106 76.4 64.3 104.3



#10

Phenol

Concen: 3.571 ng

RT: 6.56 min Scan# 625

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

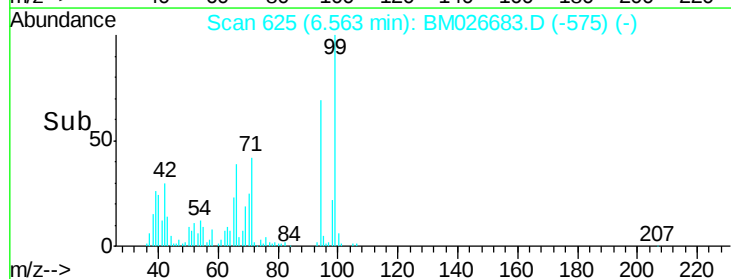
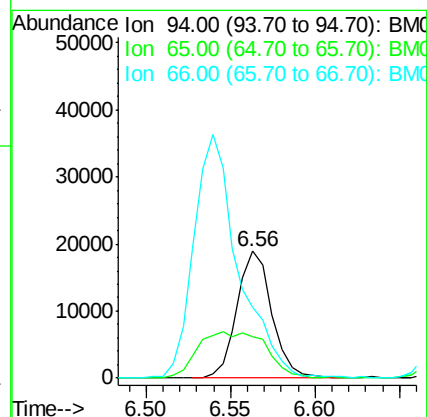
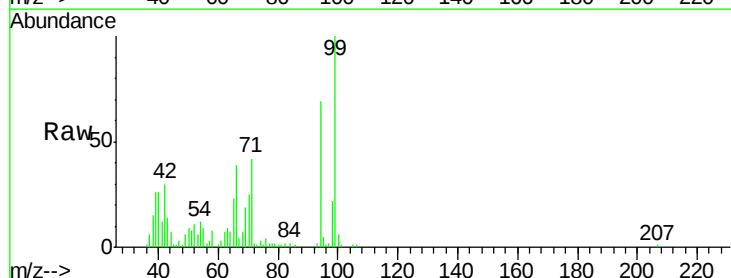
Tgt Ion: 94 Resp: 27252

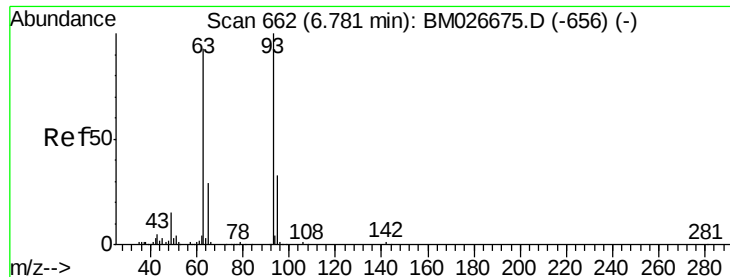
Ion Ratio Lower Upper

94 100

65 32.6 15.5 55.5

66 55.8 29.8 69.8

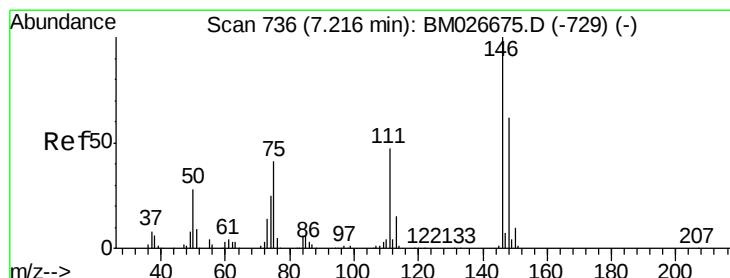
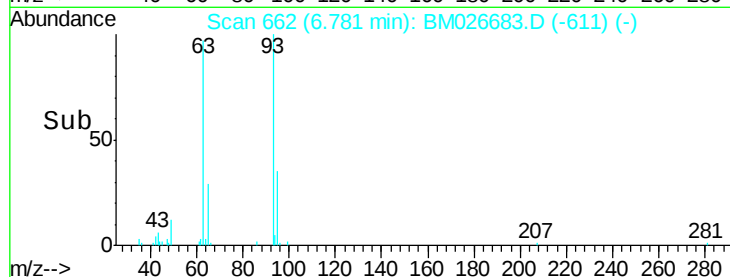
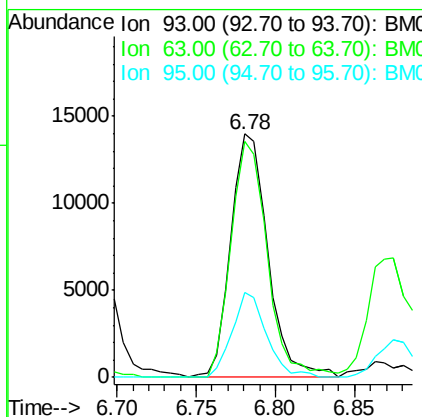
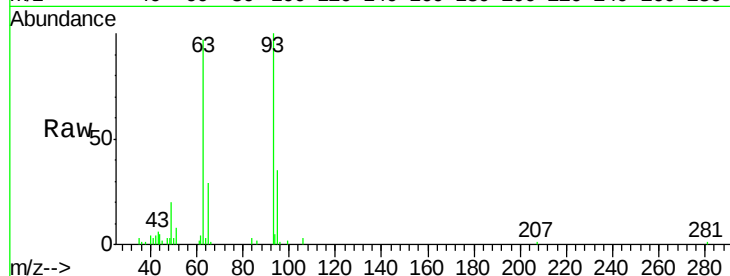




#11
bis(2-Chloroethyl)ether
Concen: 3.577 ng
RT: 6.78 min Scan# 662
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

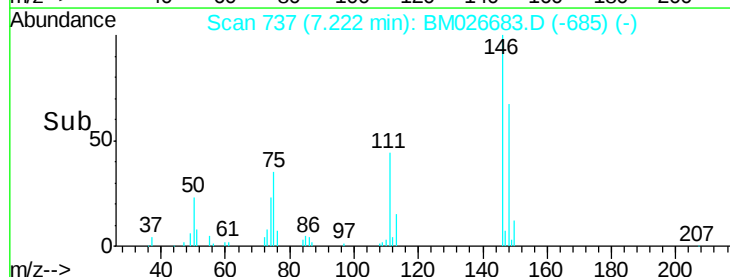
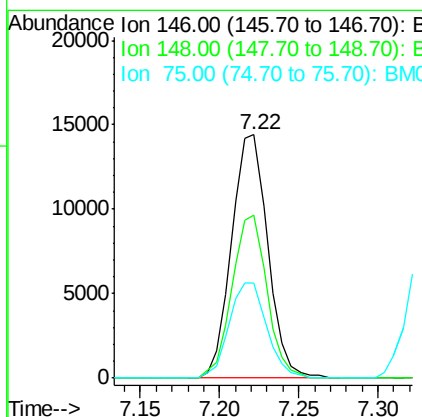
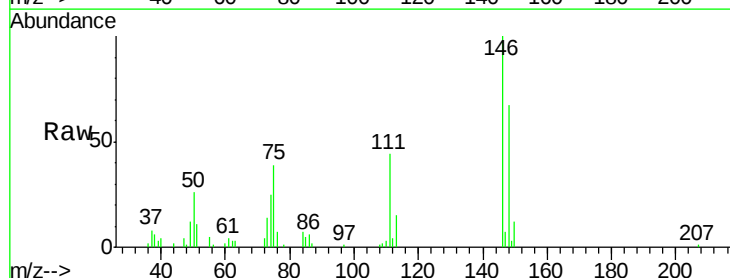
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

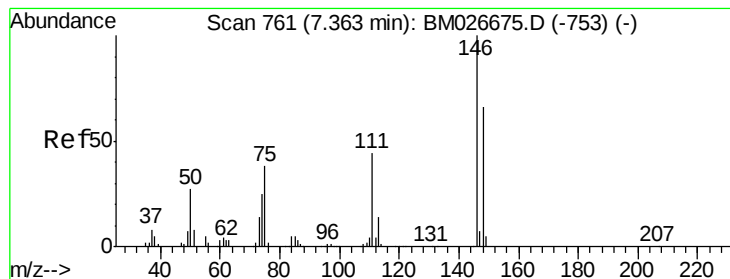
Tot Ion: 93 Resp: 22821
Ion Ratio Lower Upper
93 100
63 97.1 72.6 112.6
95 34.8 12.3 52.3



#12
1,3-Dichlorobenzene
Concen: 3.644 ng
RT: 7.22 min Scan# 737
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion: 146 Resp: 22866
Ion Ratio Lower Upper
146 100
148 66.9 49.7 74.5
75 39.1 32.7 49.1





#13

1,4-Dichlorobenzene

Concen: 3.623 ng

RT: 7.36 min Scan# 761

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

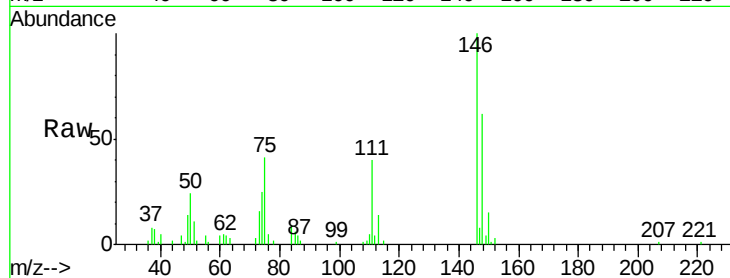
Tot Ion:146 Resp: 23140

Ion Ratio Lower Upper

146 100

148 61.8 52.4 78.6

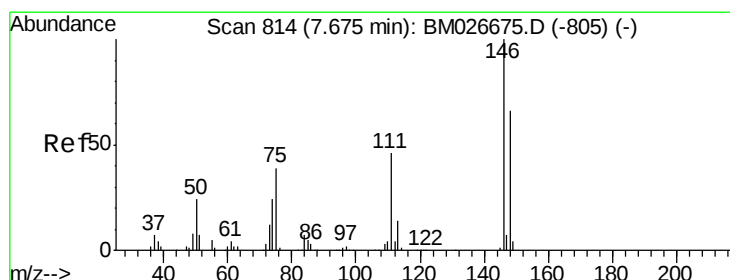
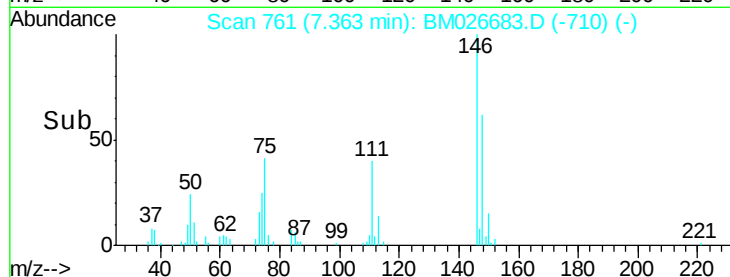
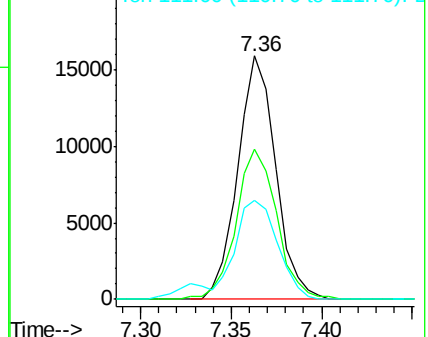
111 40.4 35.6 53.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 3.629 ng

RT: 7.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

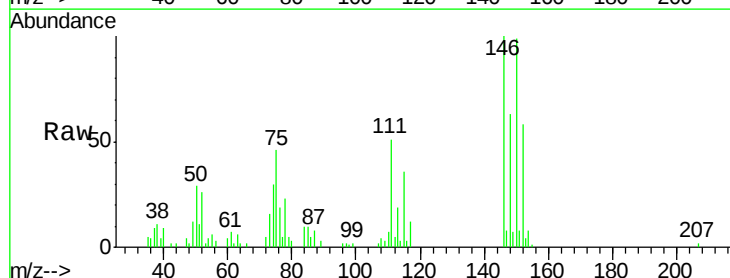
Tgt Ion:146 Resp: 23091

Ion Ratio Lower Upper

146 100

148 63.0 52.6 78.8

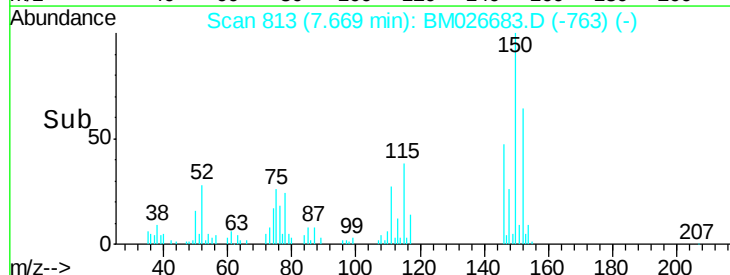
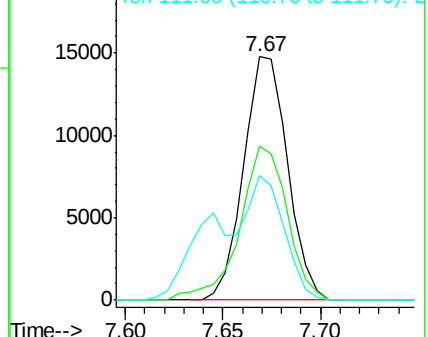
111 51.1 37.2 55.8

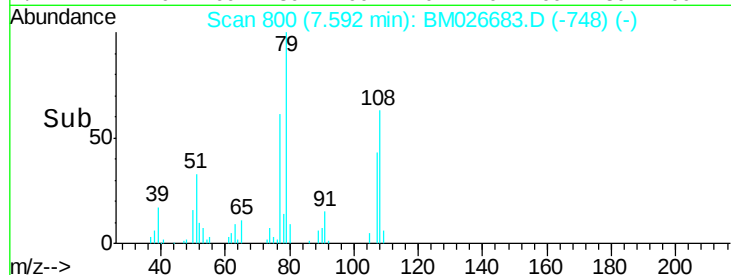
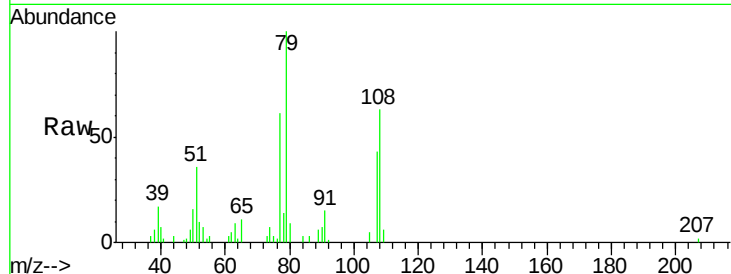
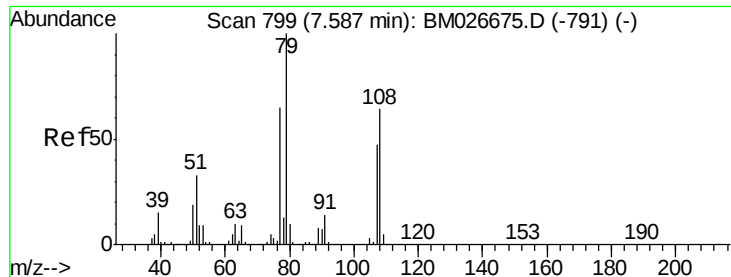


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

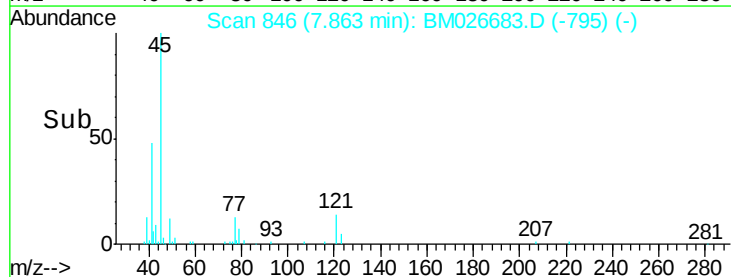
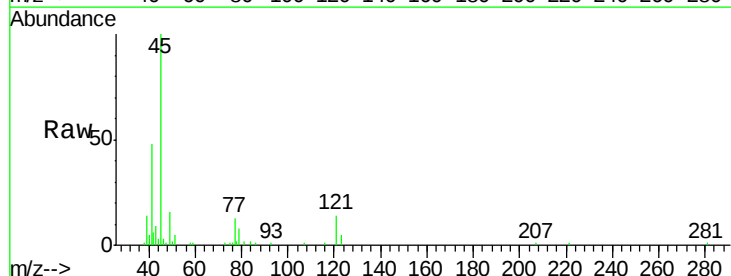
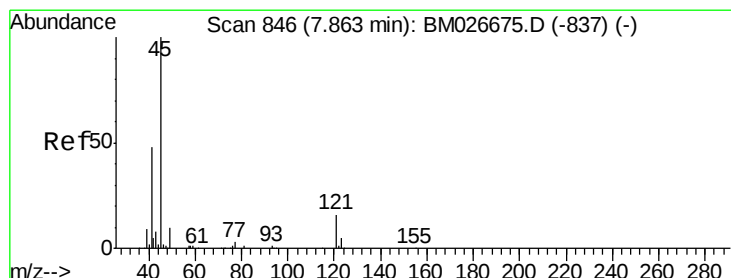
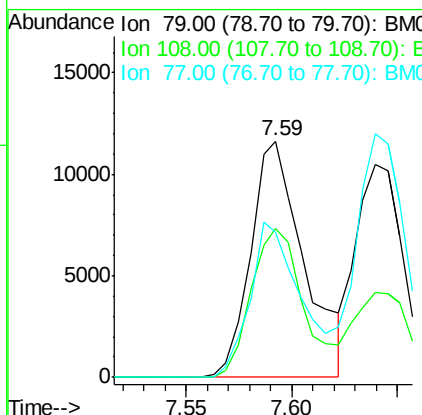




#15
Benzyl Alcohol
Concen: 3.085 ng
RT: 7.59 min Scan# 800
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

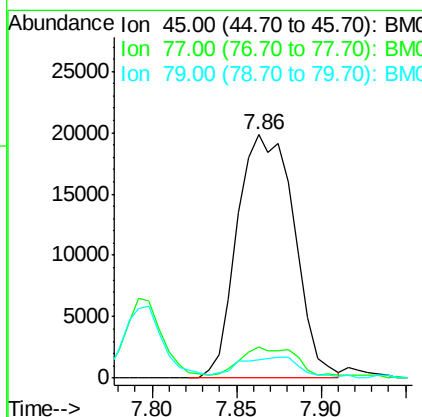
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

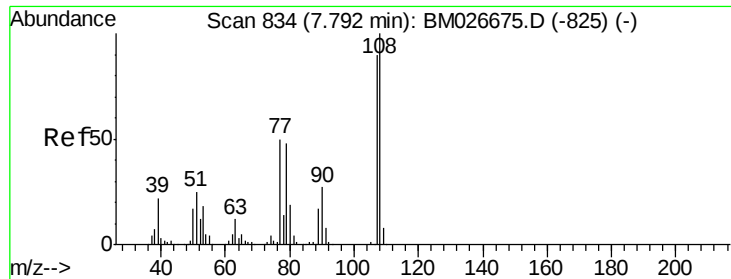
Tot Ion: 79 Resp: 20378
Ion Ratio Lower Upper
79 100
108 62.9 51.0 76.4
77 61.4 52.1 78.1



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.527 ng
RT: 7.86 min Scan# 846
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion: 45 Resp: 46451
Ion Ratio Lower Upper
45 100
77 12.8 0.0 31.4
79 7.6 0.0 28.4

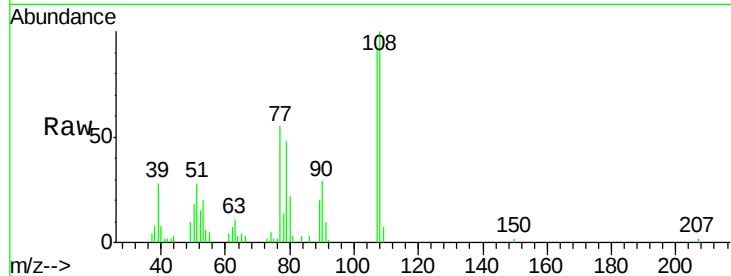




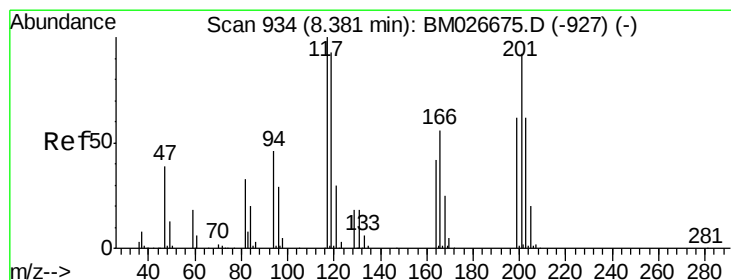
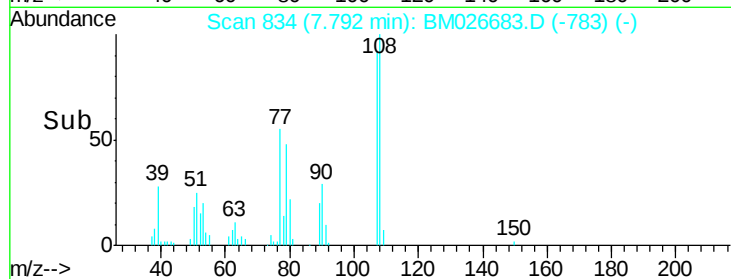
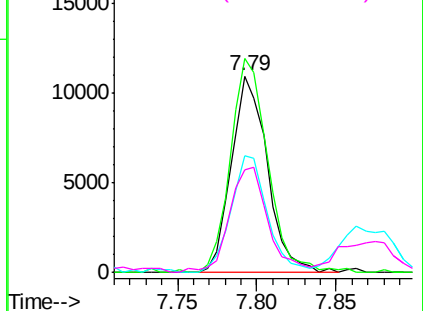
#17
2-Methylphenol
Concen: 2.960 ng
RT: 7.79 min Scan# 834
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:107 Resp: 17164
Ion Ratio Lower Upper
107 100
108 108.8 89.4 134.0
77 59.7 45.2 67.8
79 52.1 42.8 64.2

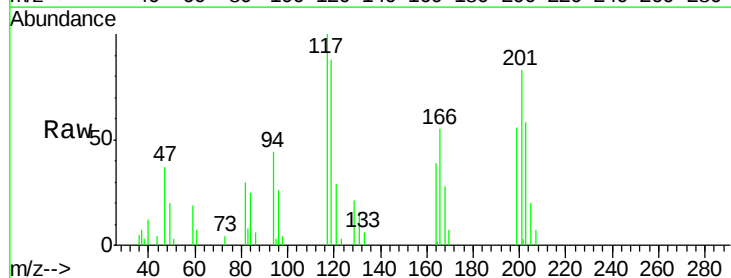


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

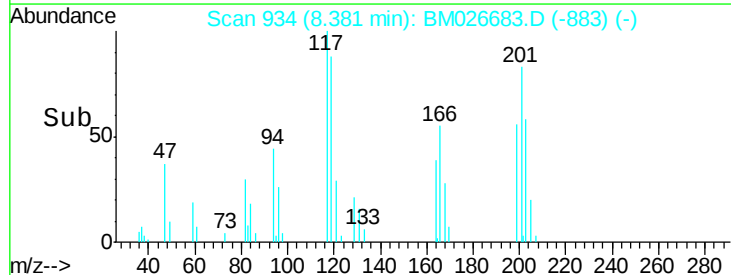
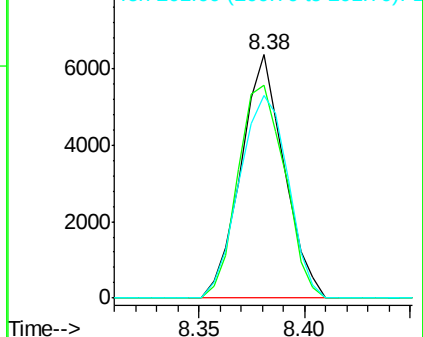


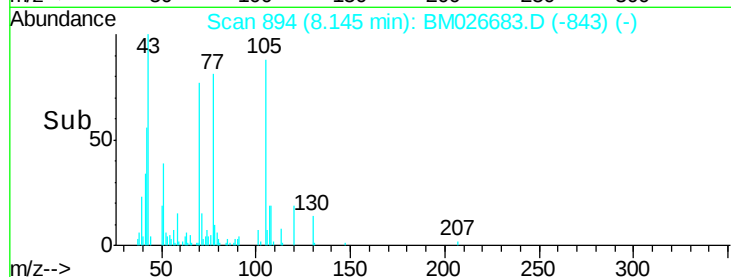
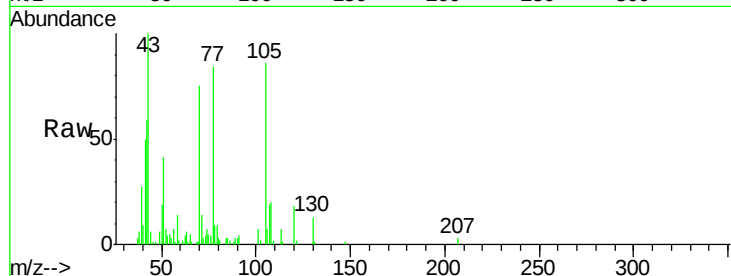
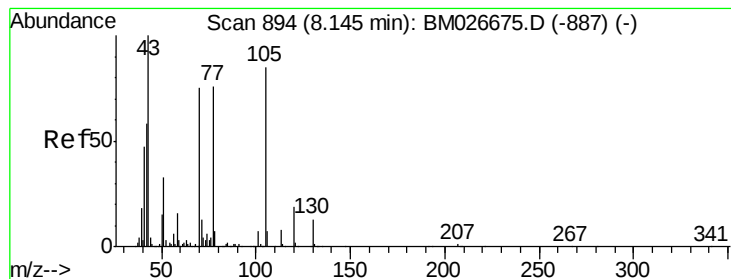
#18
Hexachloroethane
Concen: 3.564 ng
RT: 8.38 min Scan# 934
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:117 Resp: 9040
Ion Ratio Lower Upper
117 100
119 87.6 74.2 111.2
201 83.4 73.6 110.4



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





#19

n-Nitroso-di-n-propylamine

Concen: 3.320 ng

RT: 8.15 min Scan# 894

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 70 Resp: 21325

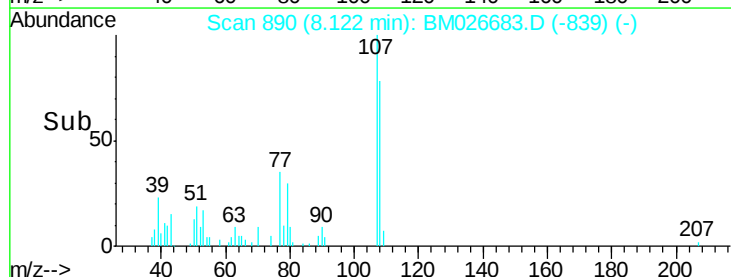
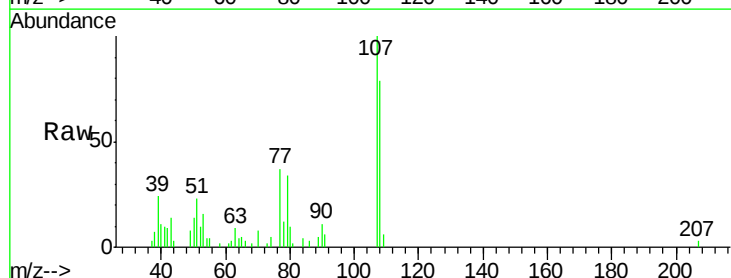
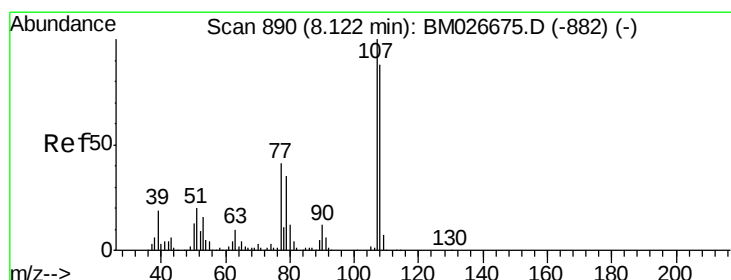
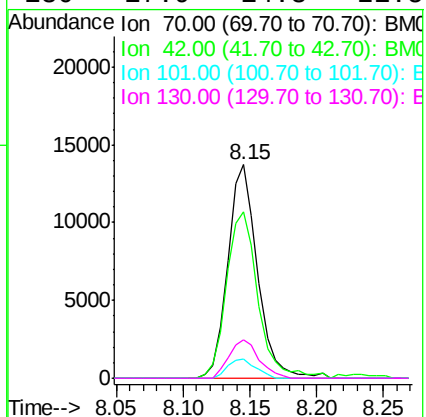
Ion Ratio Lower Upper

70 100

42 77.8 62.3 93.5

101 8.7 7.1 10.7

130 17.9 14.3 21.5



#20

3+4-Methylphenols

Concen: 2.857 ng

RT: 8.12 min Scan# 890

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Tgt Ion: 107 Resp: 22781

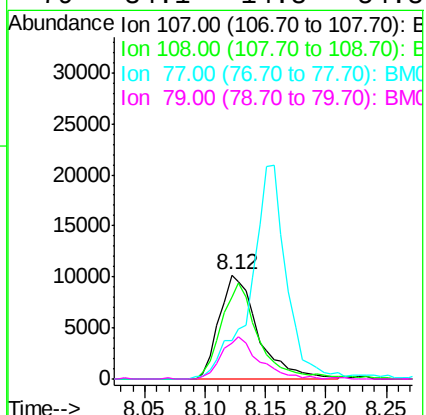
Ion Ratio Lower Upper

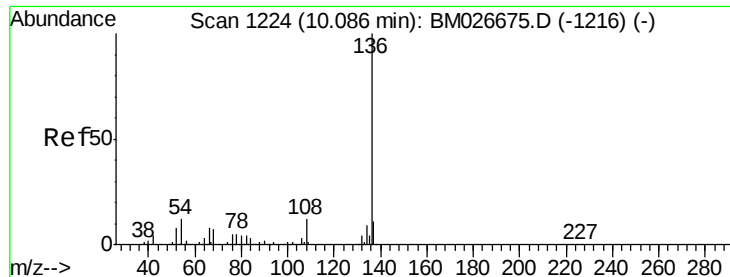
107 100

108 79.2 68.5 108.5

77 37.0 20.8 60.8

79 34.1 14.8 54.8

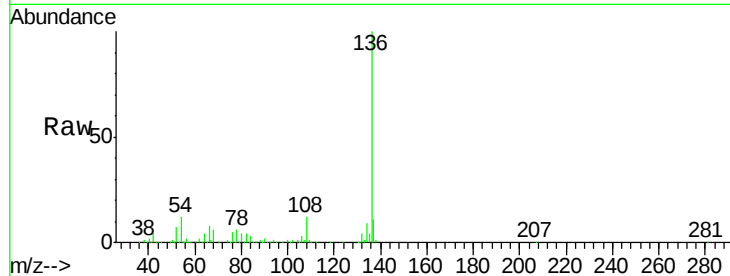




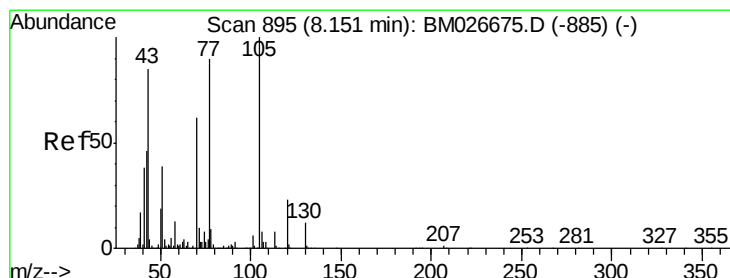
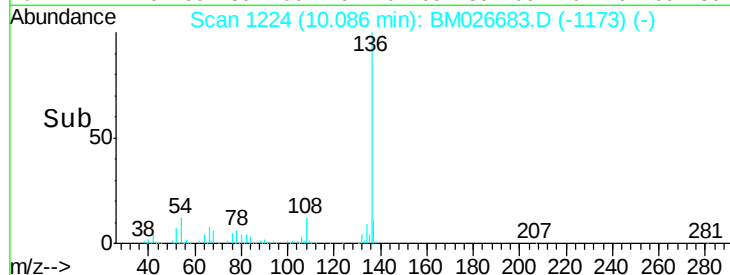
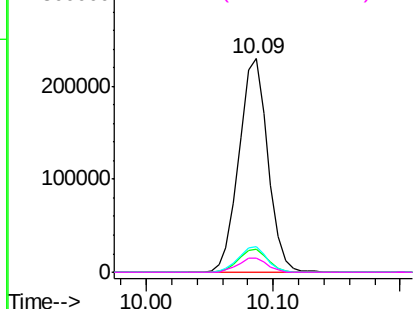
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.09 min Scan# 1224
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:136	Resp:	362030	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	8.6	12.8	
54 12.0	9.8	14.6	
68 6.4	5.8	8.6	

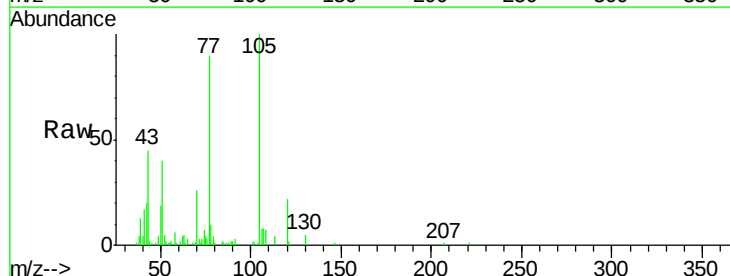


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

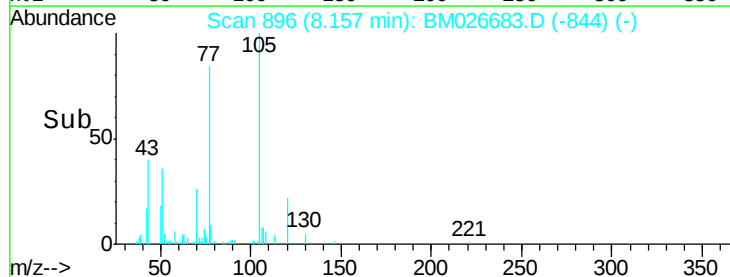
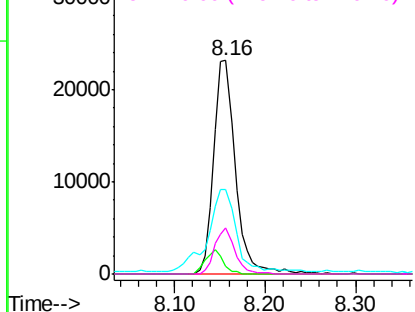


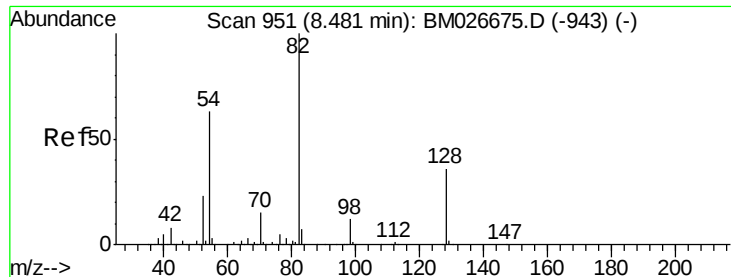
#22
Acetophenone
Concen: 3.773 ng
RT: 8.16 min Scan# 896
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt	Ion:105	Resp:	38819
Ion	Ratio	Lower	Upper
105	100		
71	3.3	8.1	12.1#
51	39.8	31.9	47.9
120	21.7	18.0	27.0



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

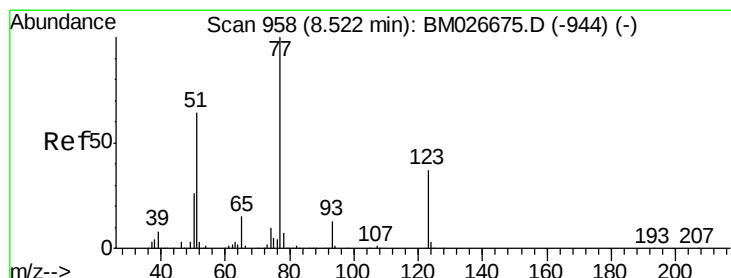
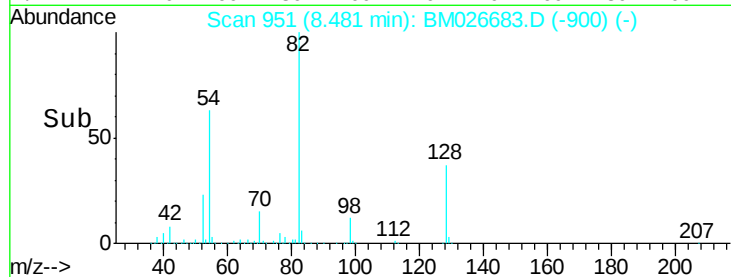
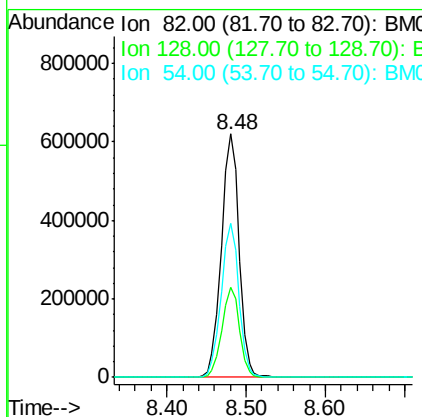
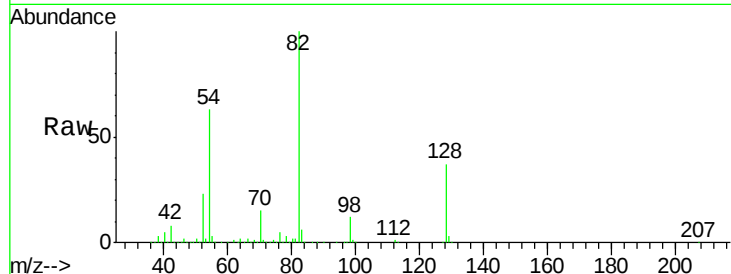




#23
 Nitrobenzene-d5
 Concen: 113.719 ng
 RT: 8.48 min Scan# 951
 Delta R.T. -0.00 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

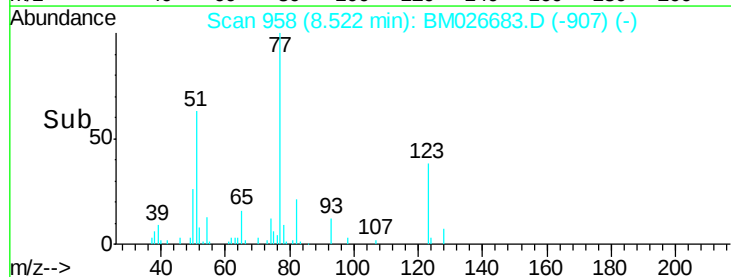
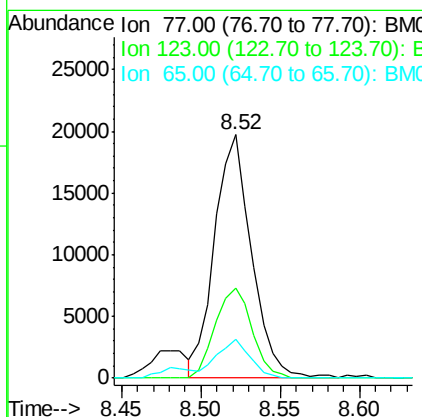
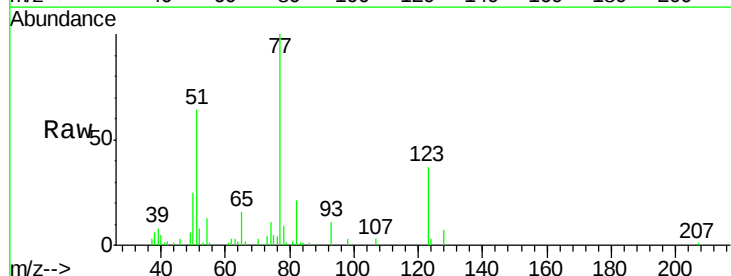
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

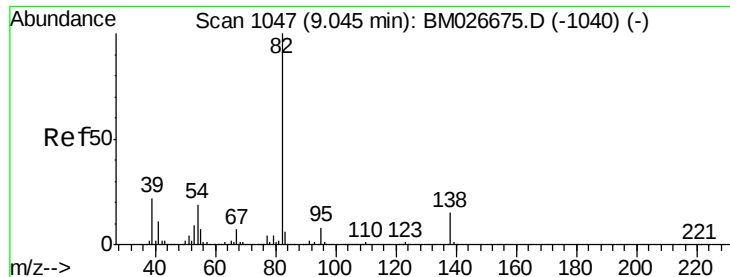
Tot Ion	Ratio	Lower	Upper
82	100		
128	37.1	29.1	43.7
54	63.2	50.2	75.4



#24
 Nitrobenzene
 Concen: 3.582 ng
 RT: 8.52 min Scan# 958
 Delta R.T. -0.00 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.9	29.8	44.6
65	15.9	12.2	18.4





#25

Isophorone

Concen: 3.338 ng

RT: 9.05 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

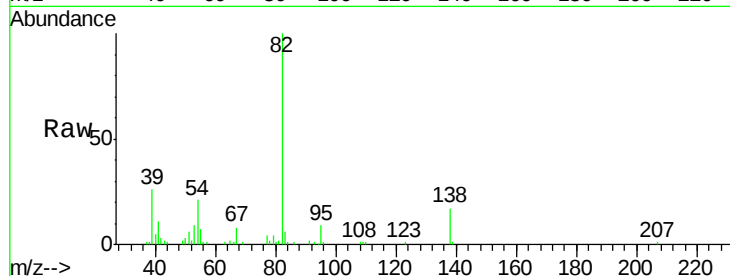
Tot Ion: 82 Resp: 54321

Ion Ratio Lower Upper

82 100

95 8.9 6.3 9.5

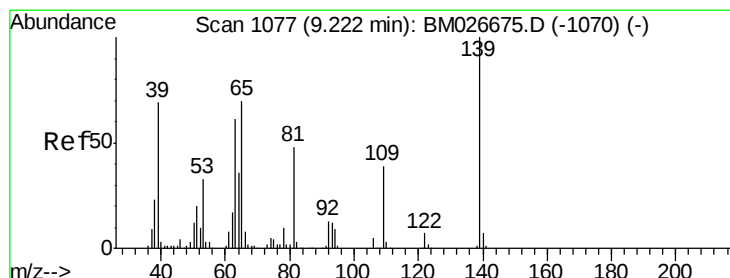
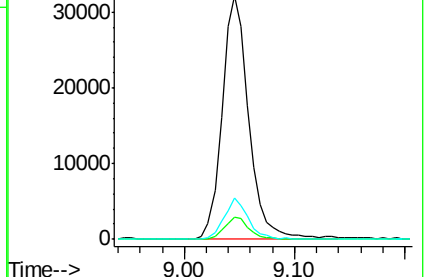
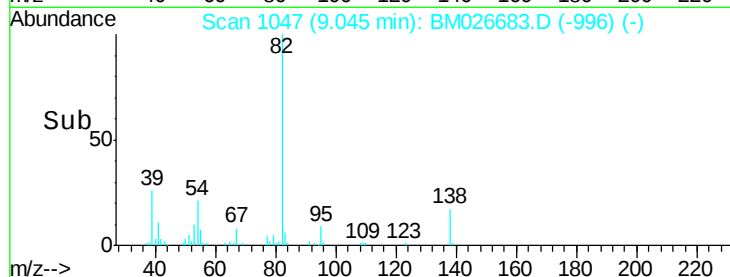
138 17.1 12.0 18.0



Abundance Ion 82.00 (81.70 to 82.70): BM026683.D (-996) (-)

Ion 95.00 (94.70 to 95.70): BM026683.D (-996) (-)

Ion 138.00 (137.70 to 138.70): BM026683.D (-996) (-)



#26

2-Nitrophenol

Concen: 2.997 ng

RT: 9.23 min Scan# 1078

Delta R.T. 0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

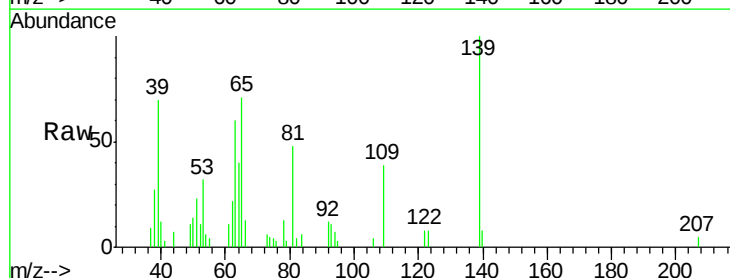
Tgt Ion: 139 Resp: 9876

Ion Ratio Lower Upper

139 100

109 39.2 30.8 46.2

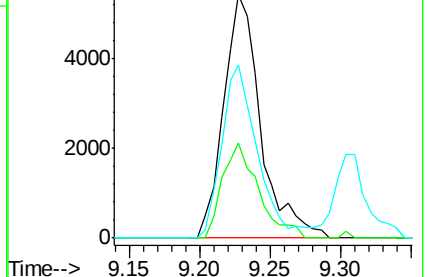
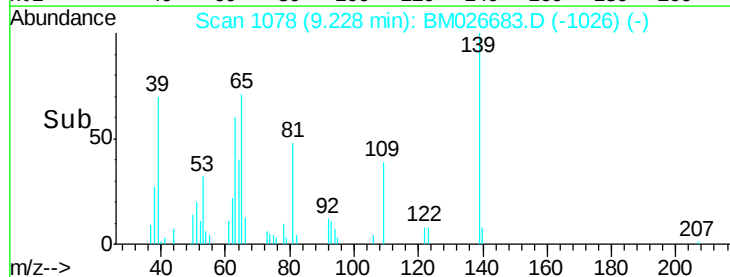
65 70.9 56.2 84.4

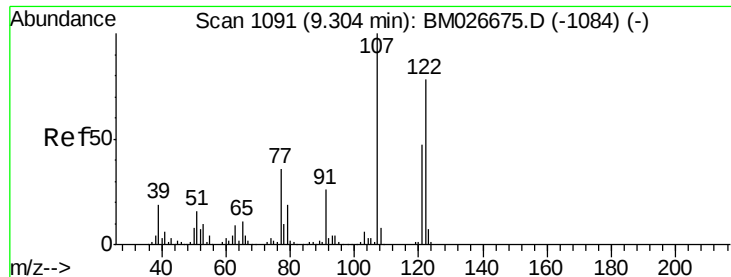


Abundance Ion 139.00 (138.70 to 139.70): BM026683.D (-1026) (-)

Ion 109.00 (108.70 to 109.70): BM026683.D (-1026) (-)

Ion 65.00 (64.70 to 65.70): BM026683.D (-1026) (-)





#27

2,4-Dimethylphenol

Concen: 3.527 ng

RT: 9.31 min Scan# 1092

Delta R.T. 0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

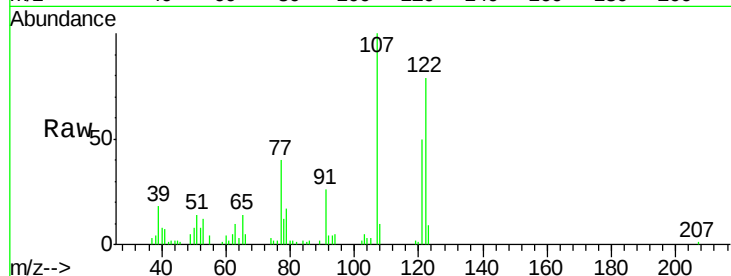
Tot Ion:122 Resp: 18898

Ion Ratio Lower Upper

122 100

107 126.9 102.1 153.1

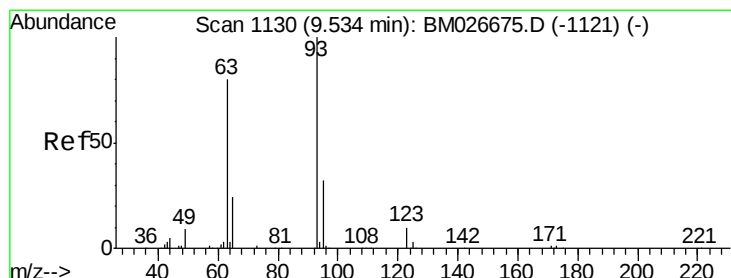
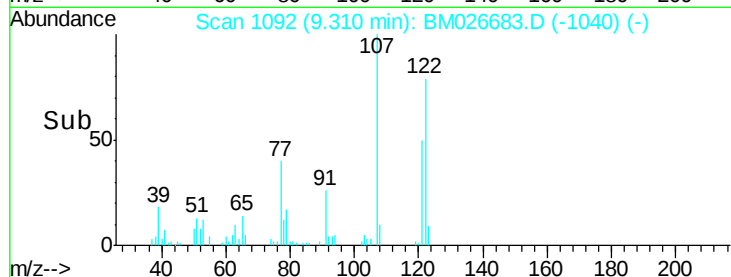
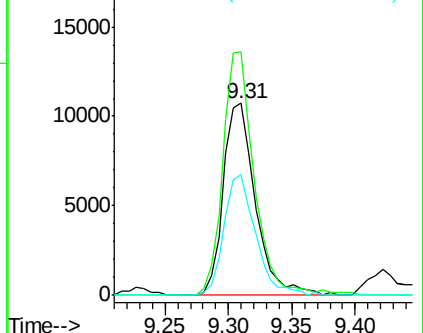
121 63.2 48.2 72.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 3.506 ng

RT: 9.54 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

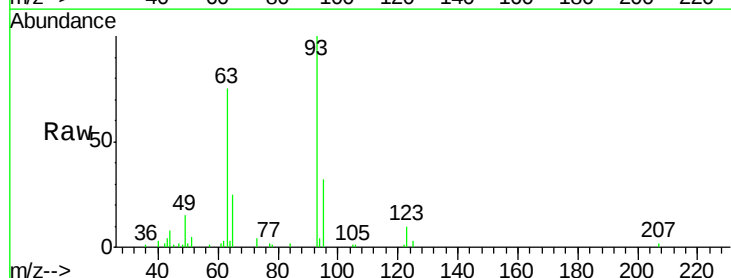
Tgt Ion: 93 Resp: 31514

Ion Ratio Lower Upper

93 100

95 31.7 25.7 38.5

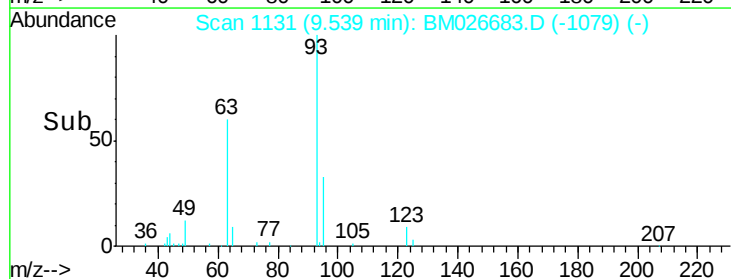
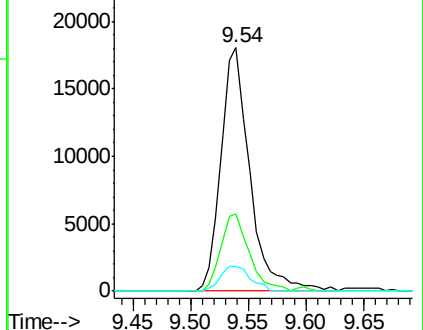
123 9.9 8.7 13.1

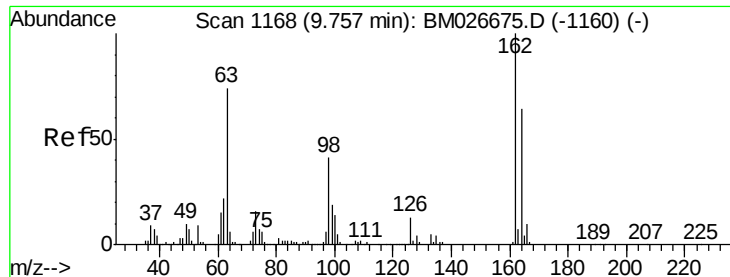


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E

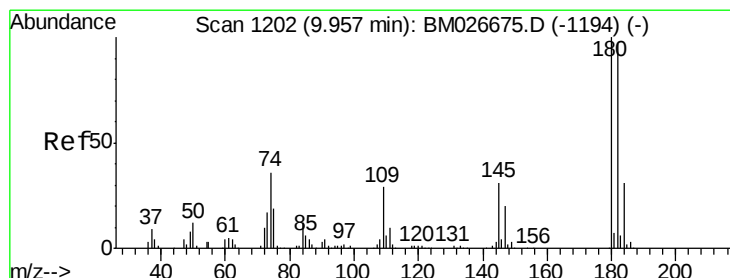
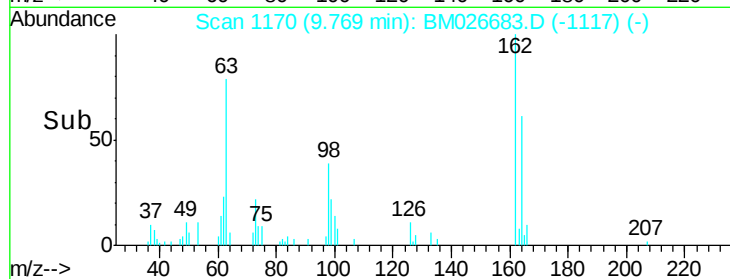
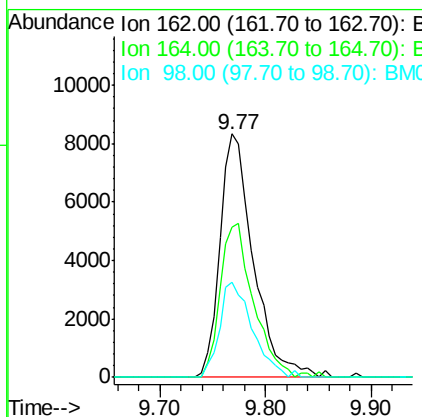
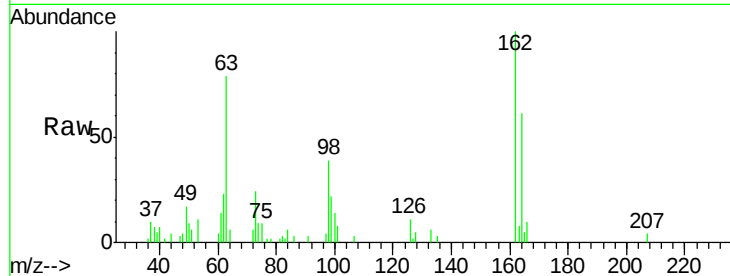




#29
 2,4-Dichlorophenol
 Concen: 3.123 ng
 RT: 9.77 min Scan# 1170
 Delta R.T. 0.01 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

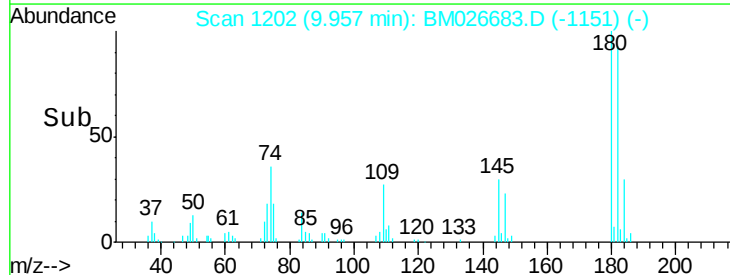
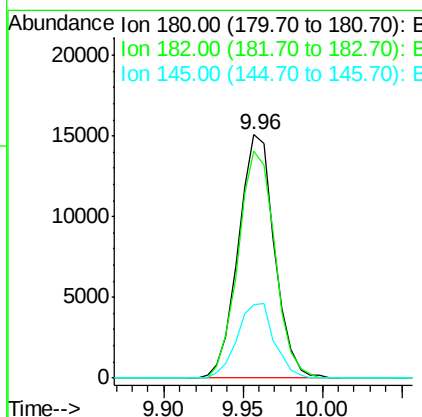
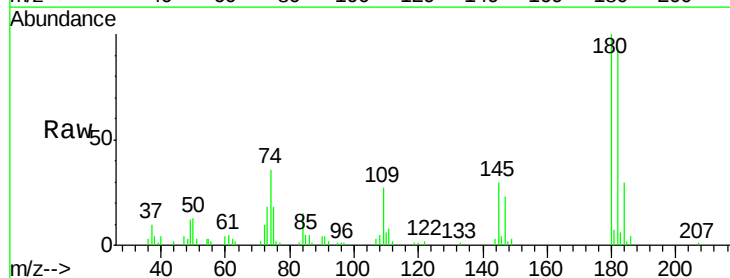
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

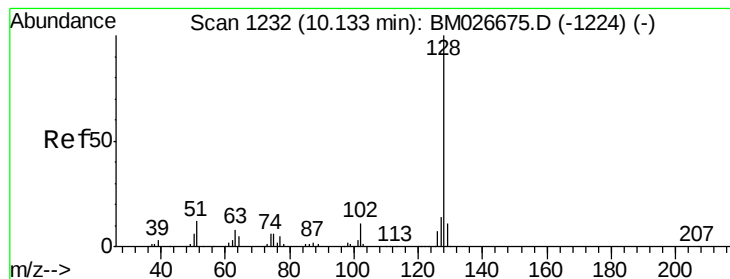
Tot Ion	Ratio	Lower	Upper
162	100		
164	61.4	44.3	84.3
98	39.0	21.0	61.0



#30
 1,2,4-Trichlorobenzene
 Concen: 3.623 ng
 RT: 9.96 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	77.8	116.6
145	30.1	25.0	37.6





#31

Naphthalene

Concen: 3.574 ng

RT: 10.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

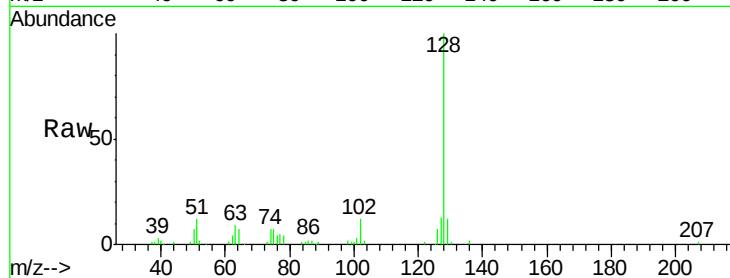
Tot Ion:128 Resp: 71974

Ion Ratio Lower Upper

128 100

129 11.5 8.8 13.2

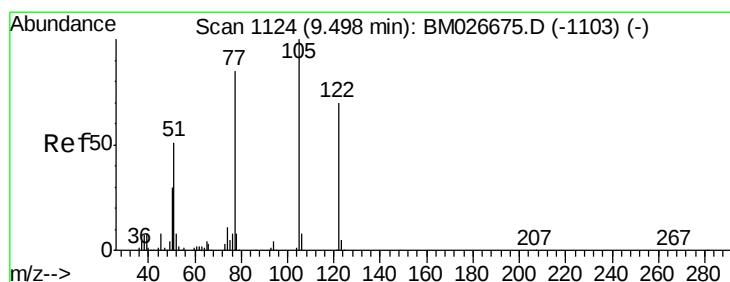
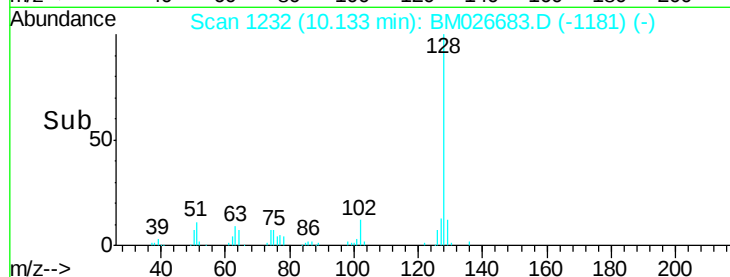
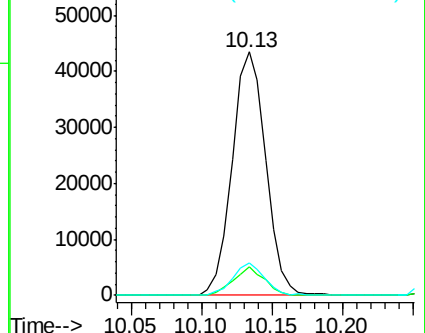
127 13.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.810 ng

RT: 9.42 min Scan# 1111

Delta R.T. -0.08 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

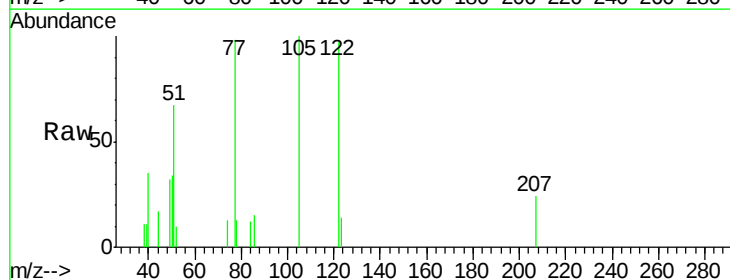
Tgt Ion:122 Resp: 3295

Ion Ratio Lower Upper

122 100

105 103.6 120.9 160.9#

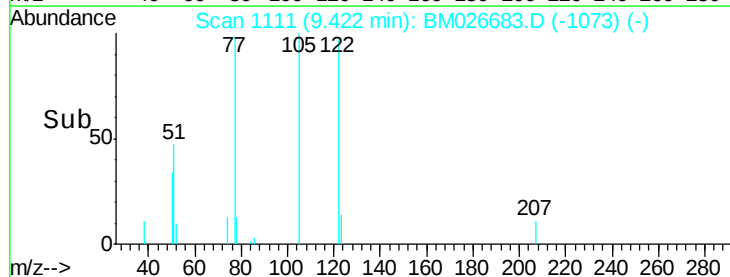
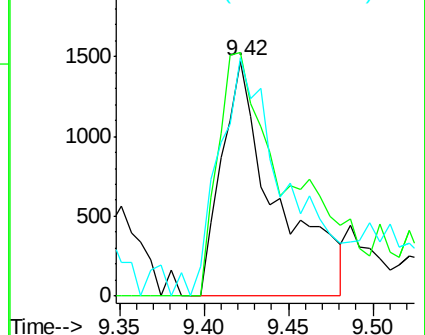
77 101.7 100.0 140.0

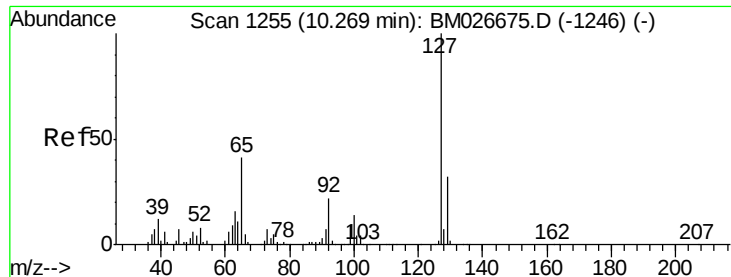


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

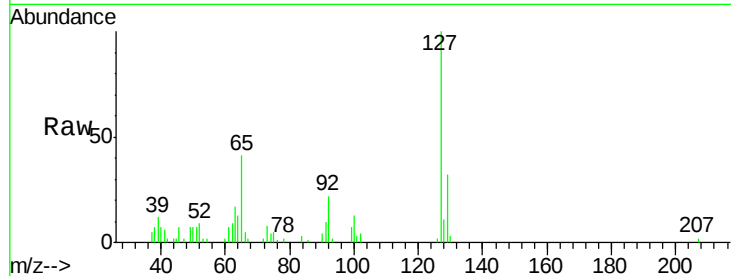




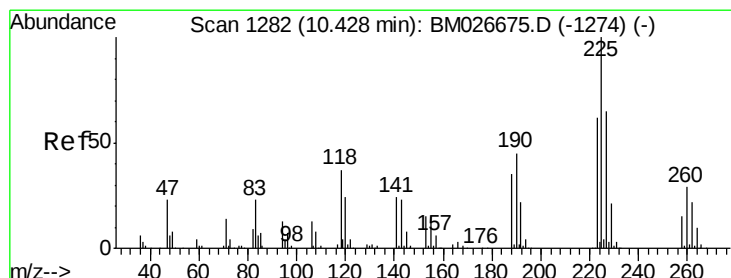
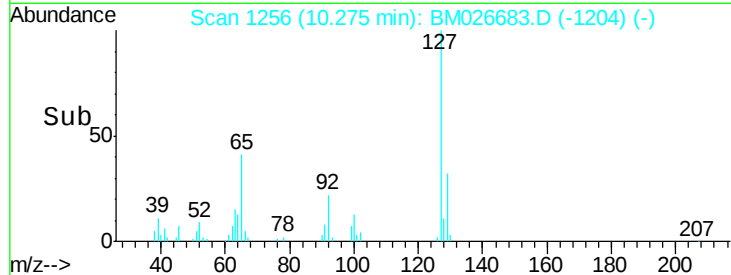
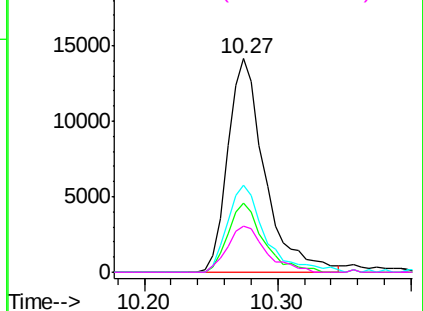
#33
4-Chloroaniline
Concen: 3.105 ng
RT: 10.27 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	127	Resp:	27350
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	40.9	32.5	48.7
92	21.7	17.8	26.8

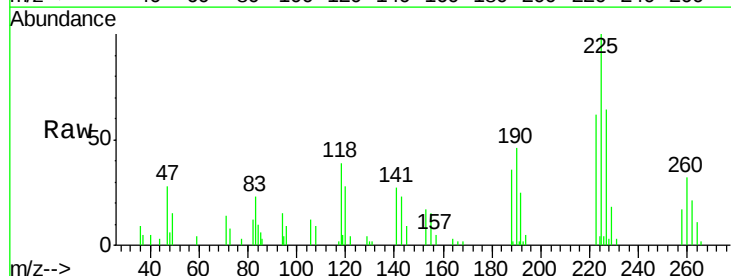


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM
Ion 92.00 (91.70 to 92.70): BM

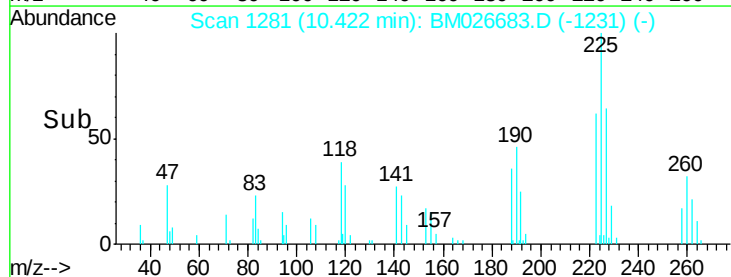
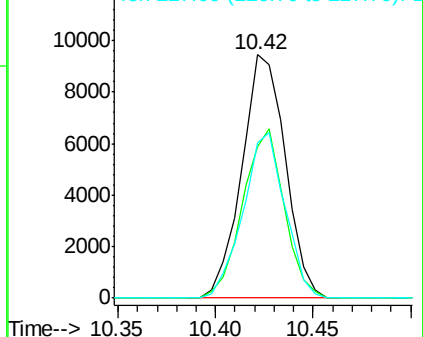


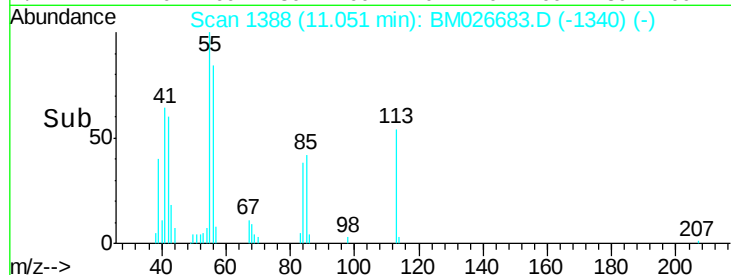
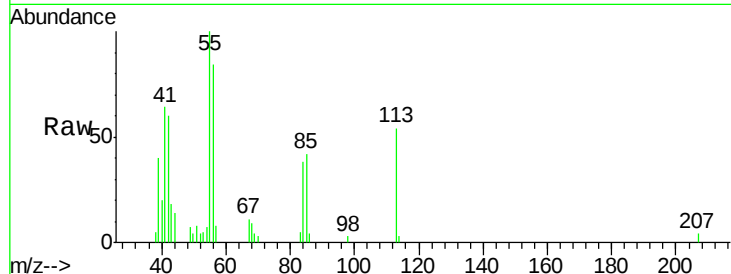
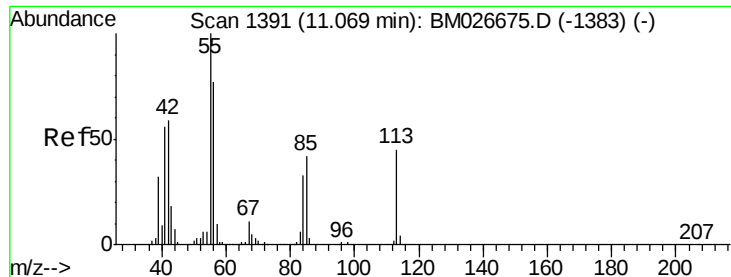
#34
Hexachlorobutadiene
Concen: 3.361 ng
RT: 10.42 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:	225	Resp:	14653
Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.8	74.8
227	63.8	52.3	78.5



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

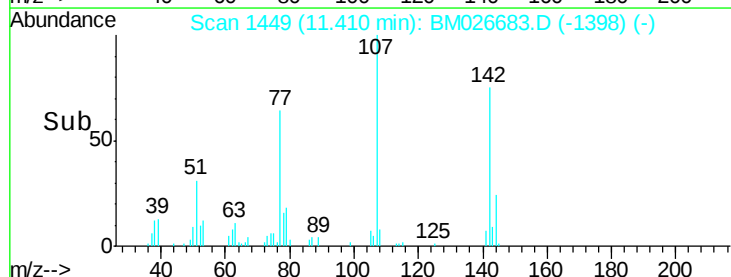
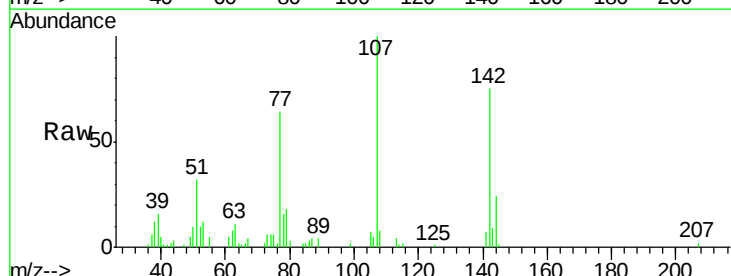
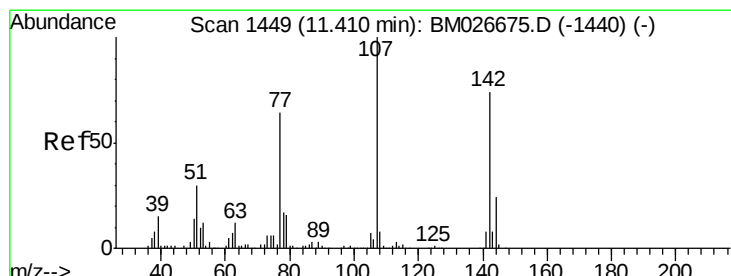
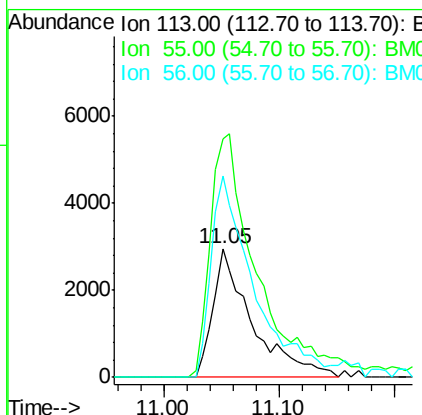




#35
Caprolactam
Concen: 3.330 ng
RT: 11.05 min Scan# 1388
Delta R.T. -0.02 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

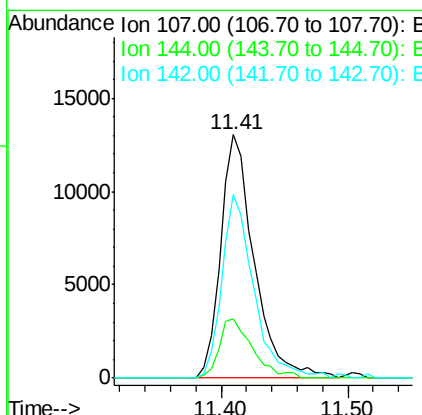
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

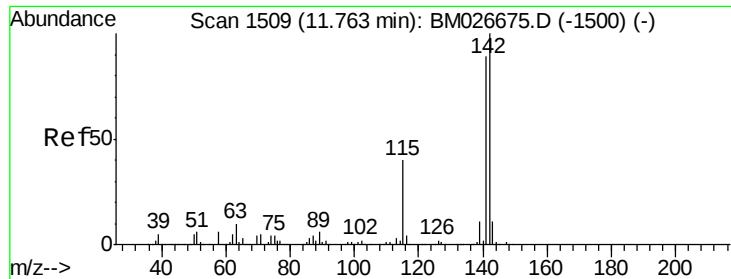
Tot Ion:113 Resp: 6960
Ion Ratio Lower Upper
113 100
55 185.9 203.5 243.5#
56 157.0 151.6 191.6



#36
4-Chloro-3-methylphenol
Concen: 3.208 ng
RT: 11.41 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:107 Resp: 23923
Ion Ratio Lower Upper
107 100
144 24.3 18.9 28.3
142 75.2 59.0 88.4

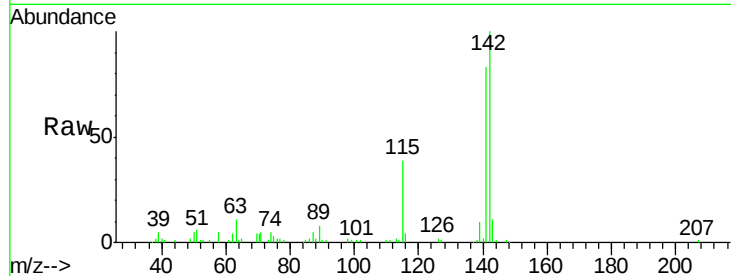




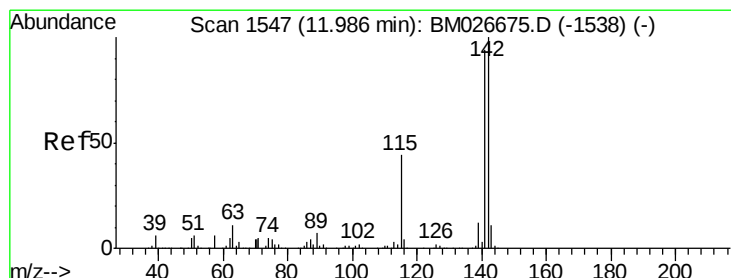
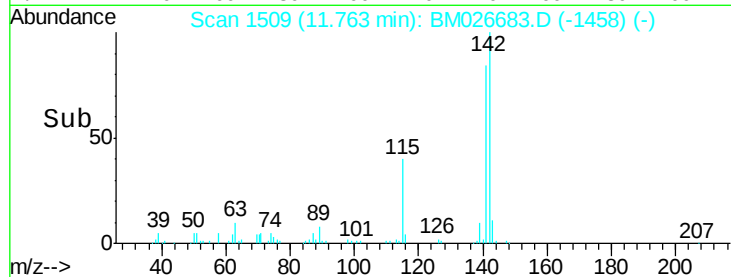
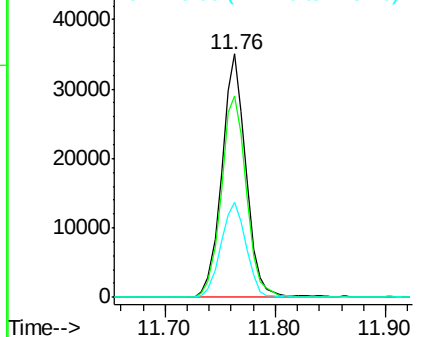
#37
2-Methylnaphthalene
Concen: 3.606 ng
RT: 11.76 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:142 Resp: 53794
Ion Ratio Lower Upper
142 100
141 82.8 71.4 107.0
115 39.2 32.1 48.1

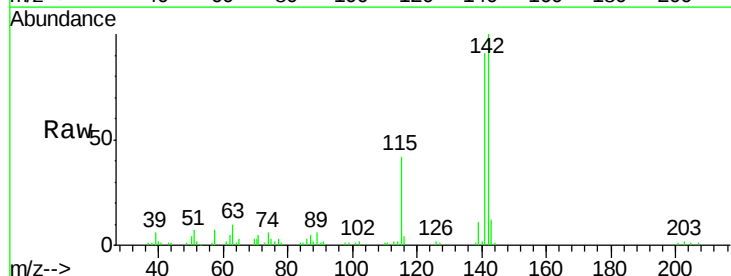


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

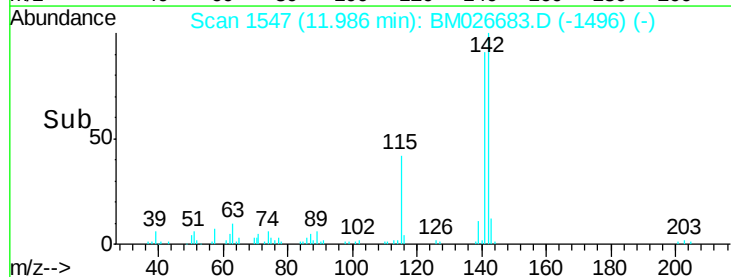
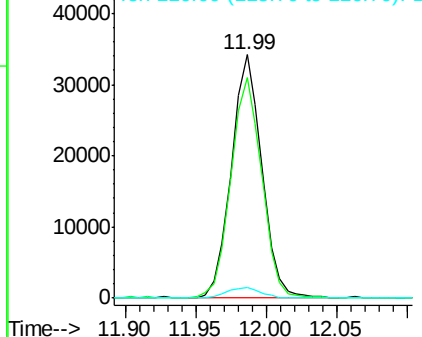


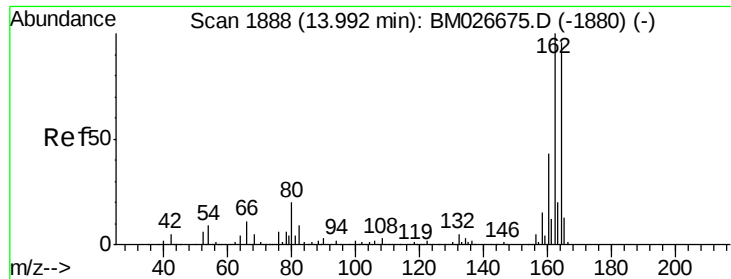
#38
1-Methylnaphthalene
Concen: 3.594 ng
RT: 11.99 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:142 Resp: 51360
Ion Ratio Lower Upper
142 100
141 90.7 75.0 112.6
116 4.3 3.5 5.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.99 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

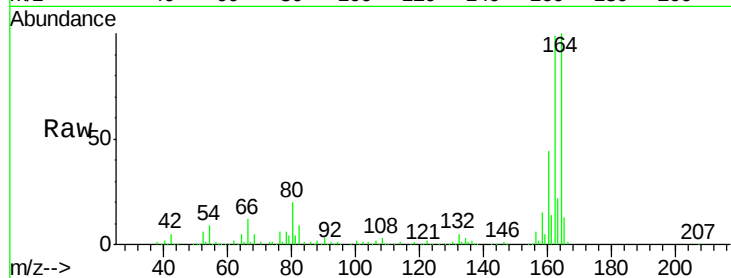
Tot Ion:164 Resp: 253005

Ion Ratio Lower Upper

164 100

162 99.2 83.7 125.5

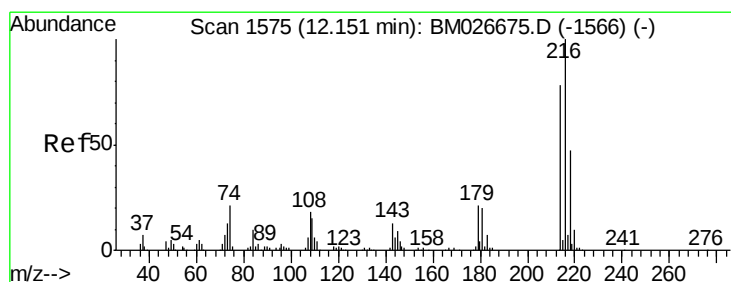
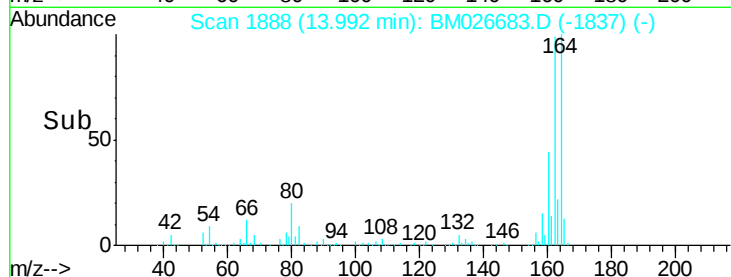
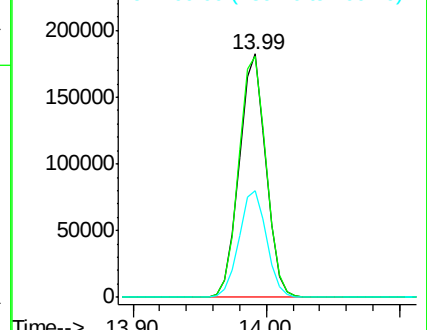
160 43.7 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.607 ng

RT: 12.14 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Tgt Ion:216 Resp: 29503

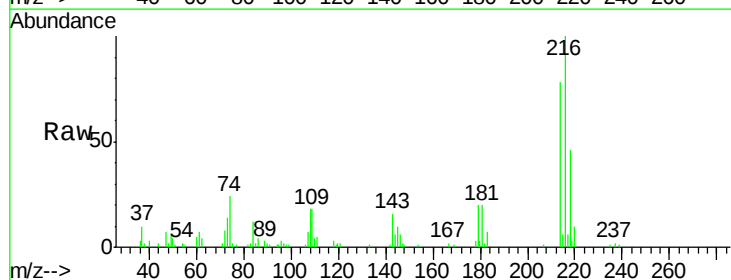
Ion Ratio Lower Upper

216 100

214 78.8 62.6 93.8

179 21.4 17.5 26.3

108 20.1 16.7 25.1

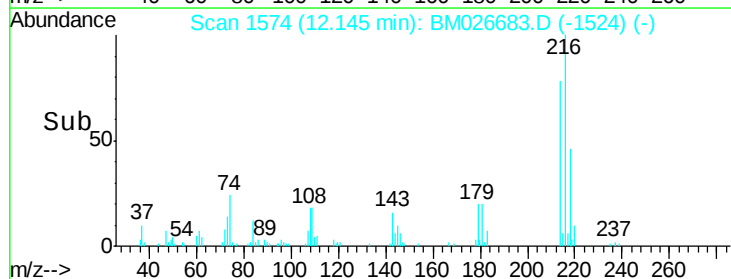
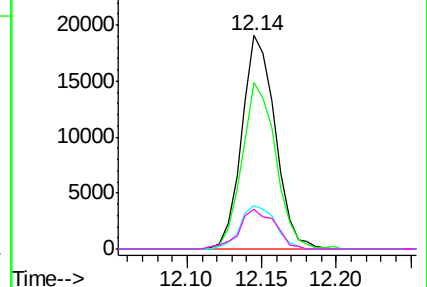


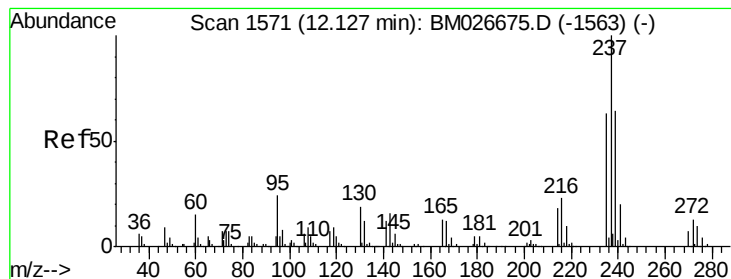
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 1.743 ng

RT: 12.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

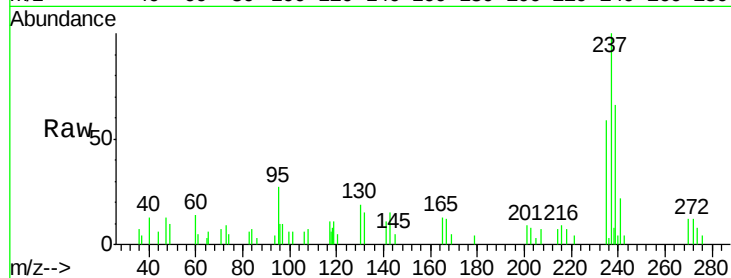
Tot Ion:237 Resp: 6802

Ion Ratio Lower Upper

237 100

235 58.9 42.8 82.8

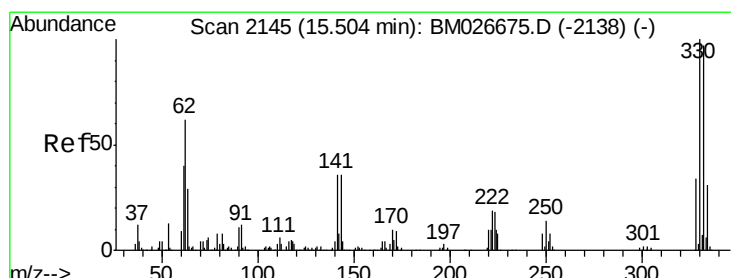
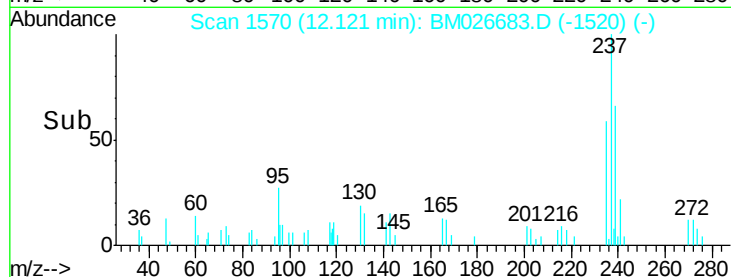
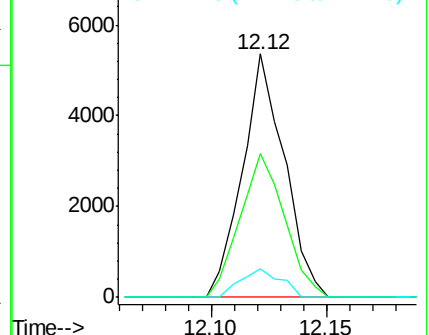
272 11.6 0.0 32.8



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: 122.545 ng

RT: 15.50 min Scan# 2144

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

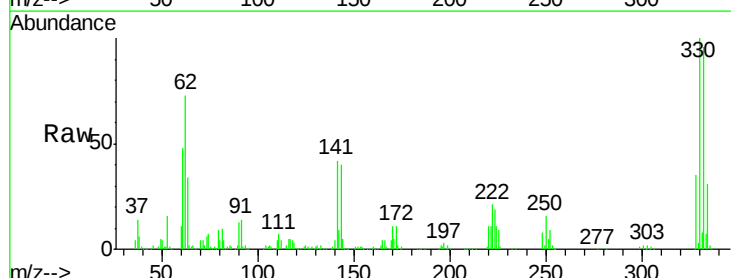
Tgt Ion:330 Resp: 451640

Ion Ratio Lower Upper

330 100

332 96.5 77.5 116.3

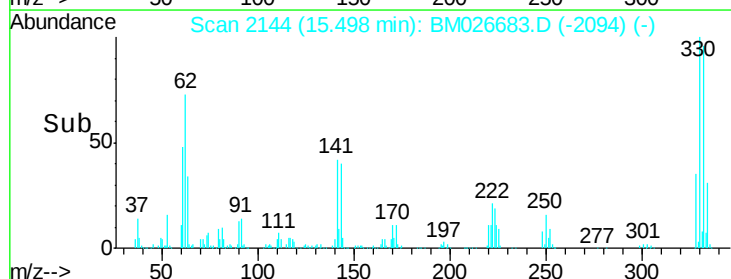
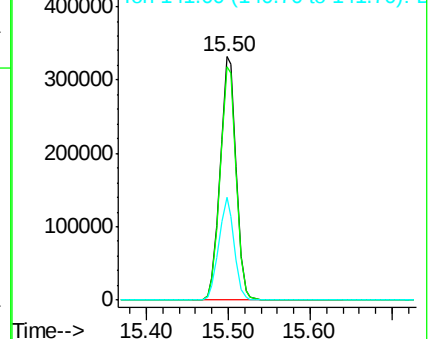
141 40.7 32.4 48.6

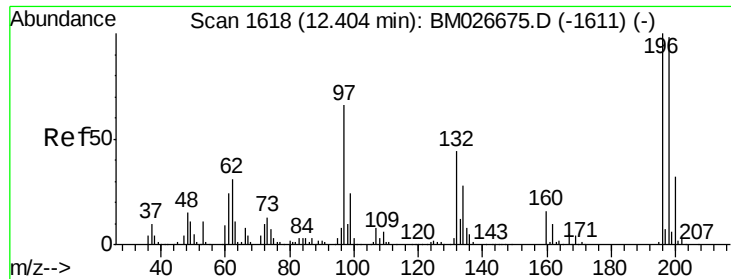


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

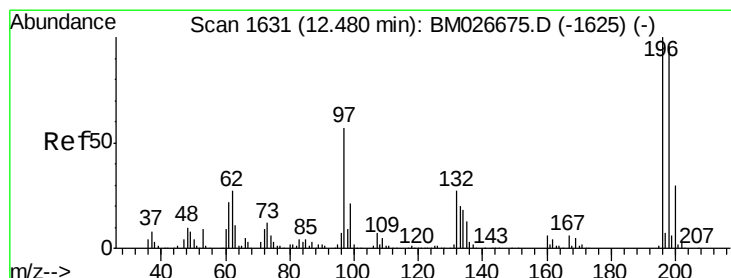
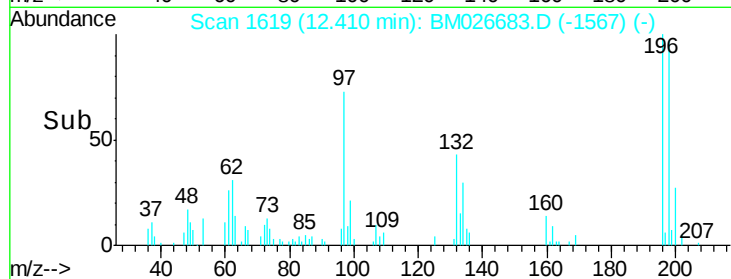
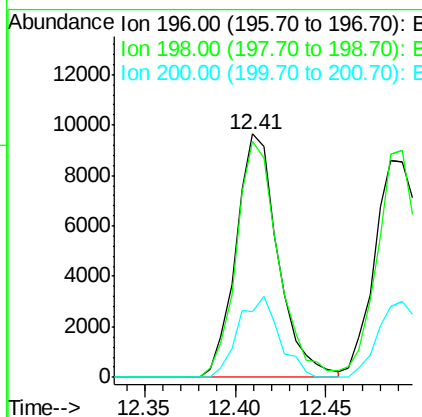
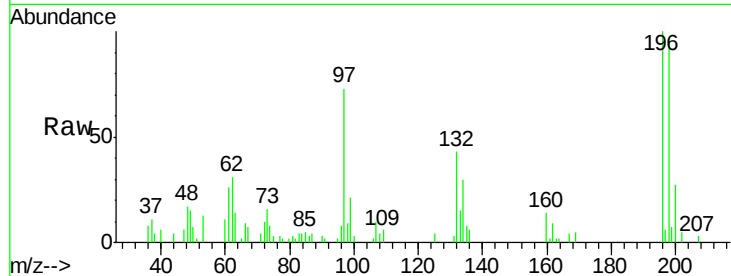




#43
 2,4,6-Trichlorophenol
 Concen: 2.906 ng
 RT: 12.41 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

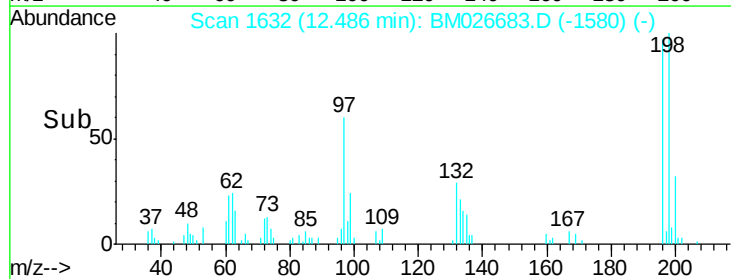
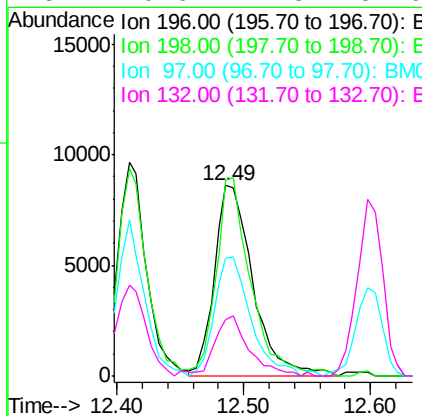
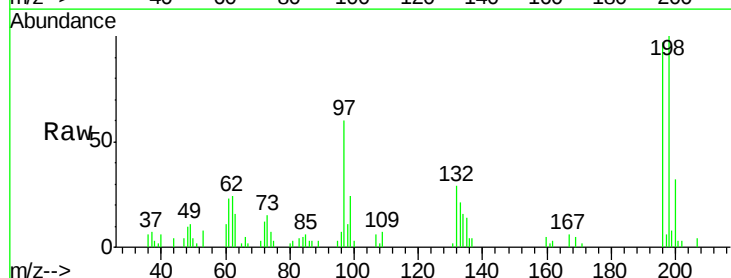
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

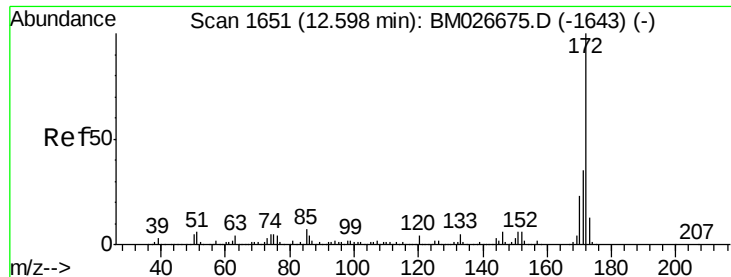
Tot Ion:196 Resp: 15570
 Ion Ratio Lower Upper
 196 100
 198 97.1 78.6 118.0
 200 27.2 25.3 37.9



#44
 2,4,5-Trichlorophenol
 Concen: 2.906 ng
 RT: 12.49 min Scan# 1632
 Delta R.T. 0.01 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

Tgt Ion:196 Resp: 18293
 Ion Ratio Lower Upper
 196 100
 198 102.6 77.0 115.6
 97 61.9 45.7 68.5
 132 29.6 21.8 32.6

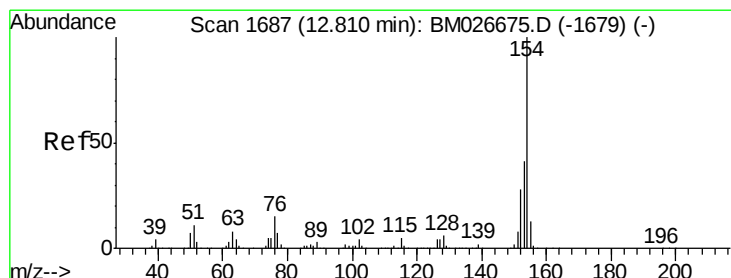
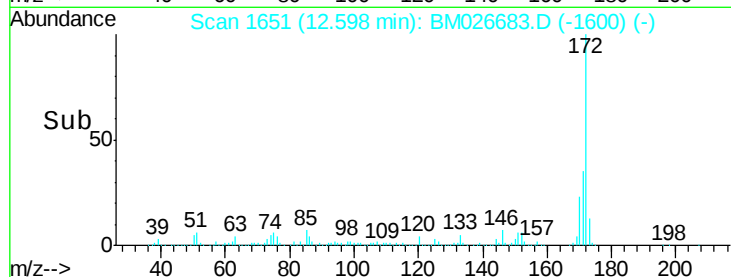
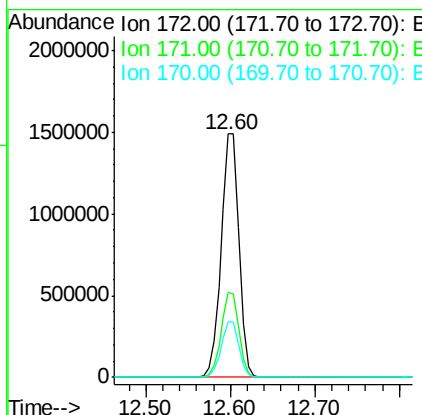
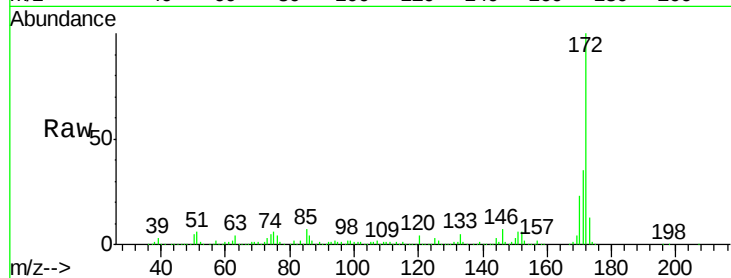




#45
2-Fluorobiphenyl
Concen: 114.805 ng
RT: 12.60 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

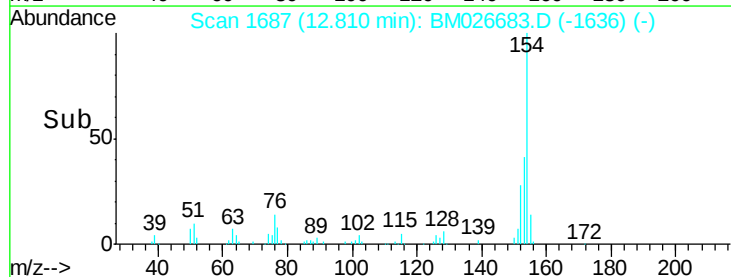
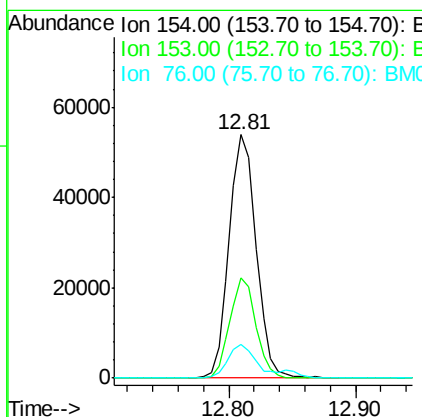
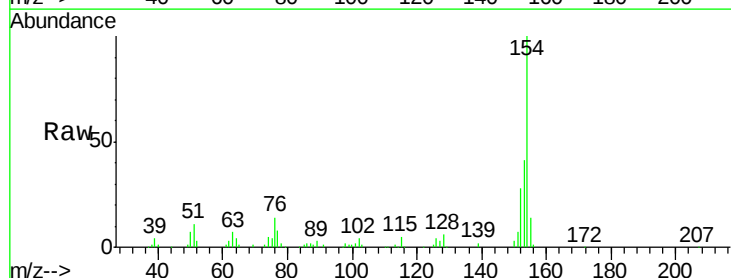
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

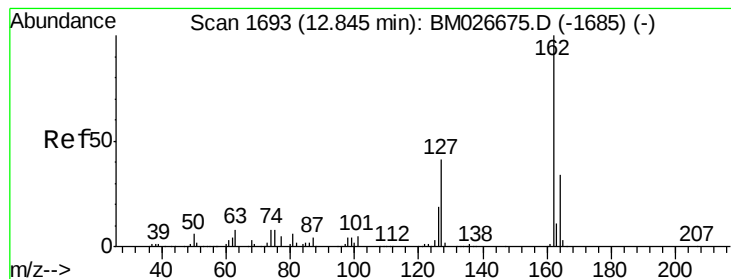
Tot Ion:172 Resp: 2184527
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 22.8 18.5 27.7



#46
1,1'-Biphenyl
Concen: 3.978 ng
RT: 12.81 min Scan# 1687
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:154 Resp: 79490
Ion Ratio Lower Upper
154 100
153 41.4 20.9 60.9
76 14.0 0.0 35.2





#47

2-Chloronaphthalene

Concen: 3.360 ng

RT: 12.84 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

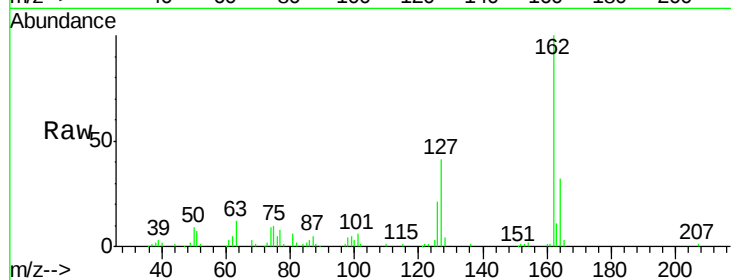
Tot Ion:162 Resp: 54238

Ion Ratio Lower Upper

162 100

127 40.9 34.0 51.0

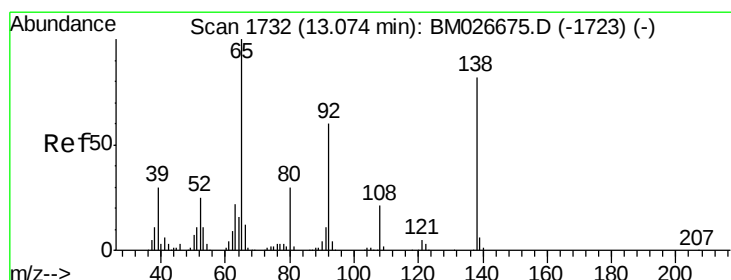
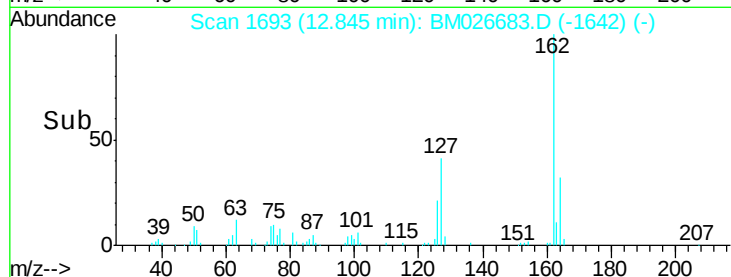
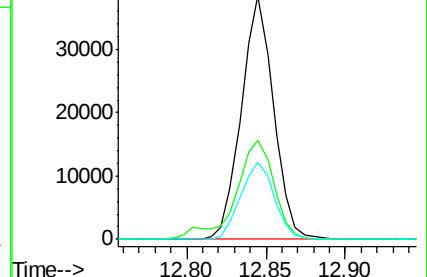
164 31.8 26.9 40.3



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: 2.651 ng

RT: 13.07 min Scan# 1732

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

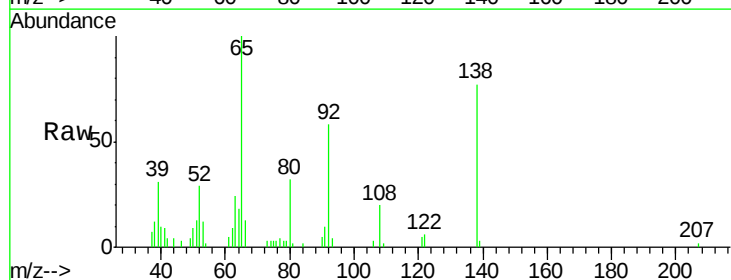
Tgt Ion: 65 Resp: 17615

Ion Ratio Lower Upper

65 100

92 58.2 47.8 71.8

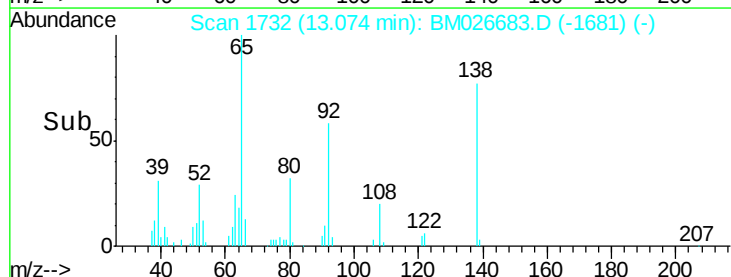
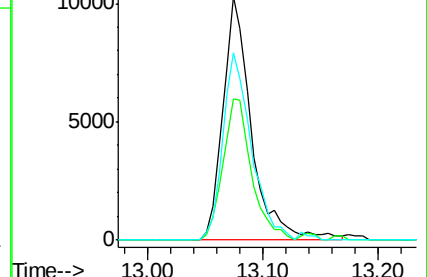
138 77.0 65.6 98.4

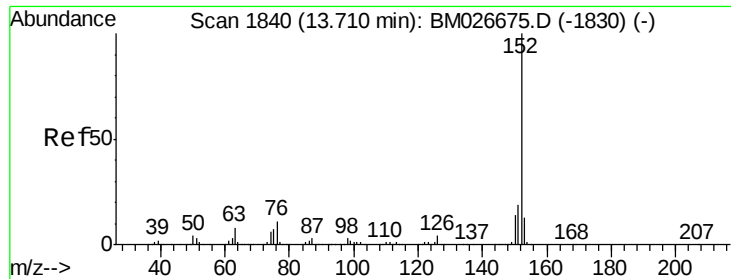


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 3.322 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

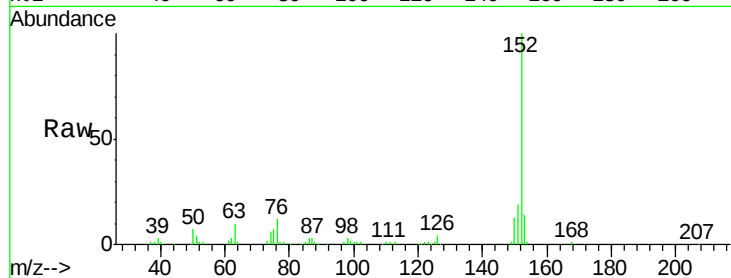
Tot Ion:152 Resp: 85746

Ion Ratio Lower Upper

152 100

151 19.2 15.6 23.4

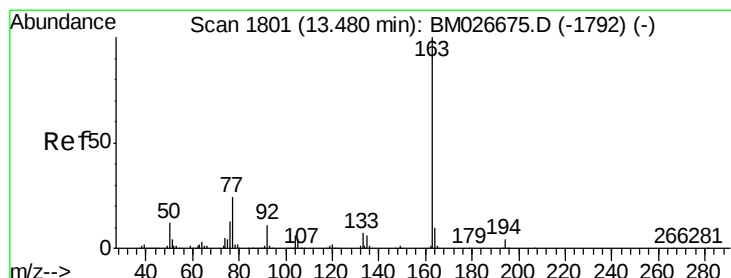
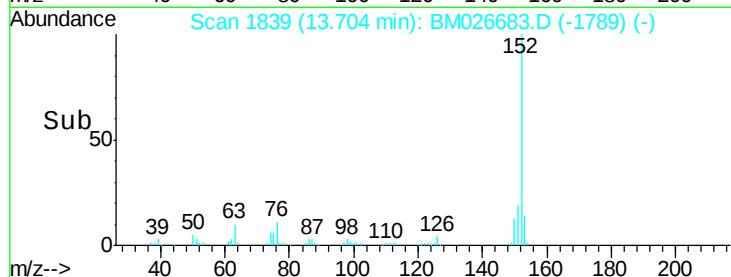
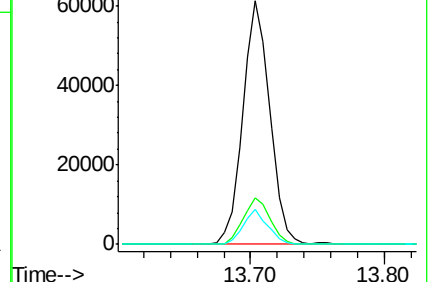
153 14.2 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.445 ng

RT: 13.47 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

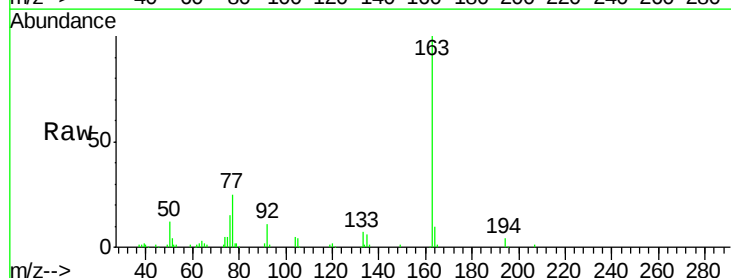
Tgt Ion:163 Resp: 74562

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

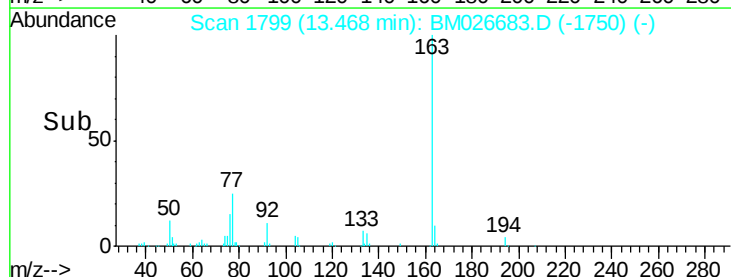
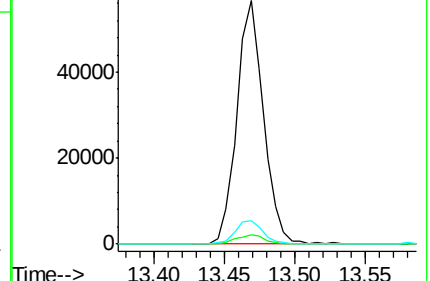
164 9.7 7.8 11.6

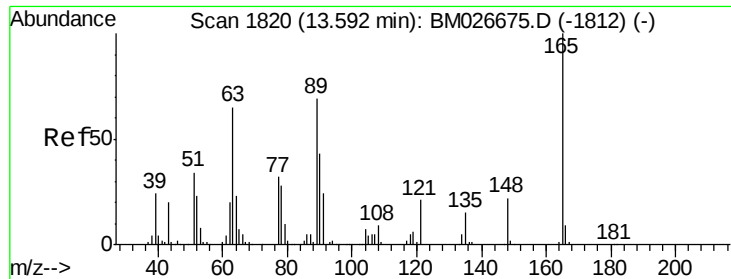


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 3.149 ng

RT: 13.59 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

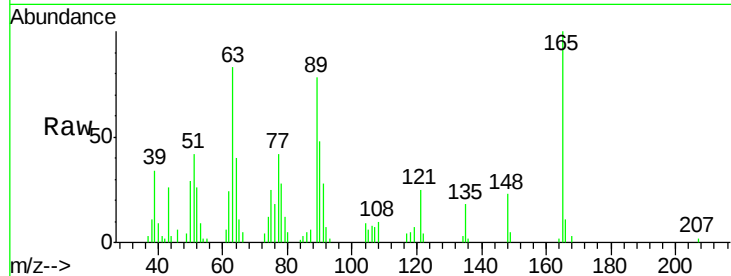
Tot Ion:165 Resp: 14591

Ion Ratio Lower Upper

165 100

63 82.9 61.1 91.7

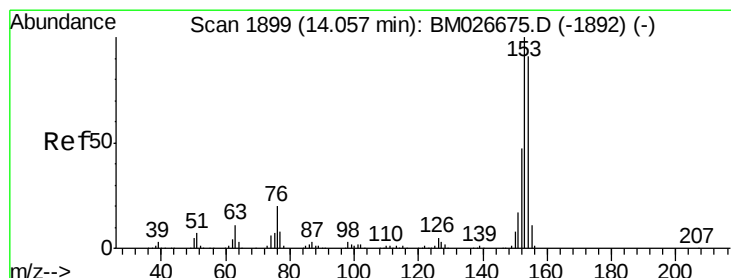
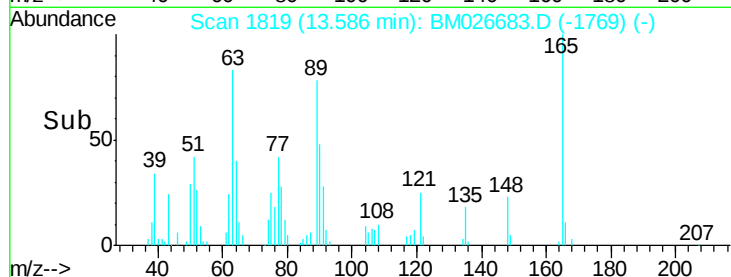
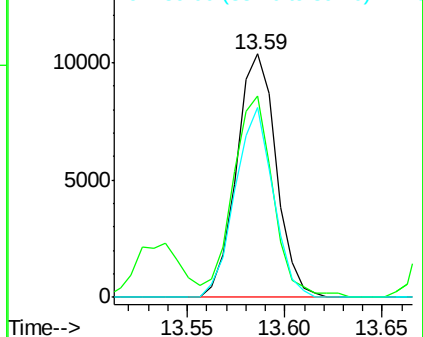
89 77.9 54.9 82.3



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 3.471 ng

RT: 14.06 min Scan# 1899

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

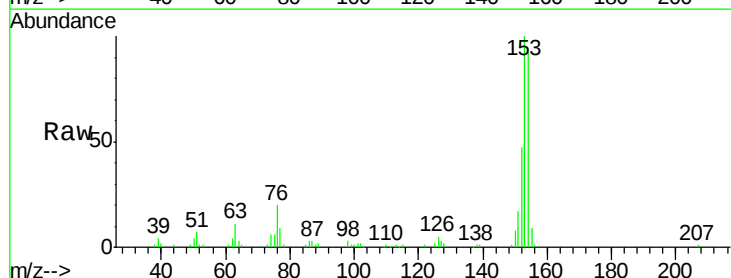
Tgt Ion:154 Resp: 54439

Ion Ratio Lower Upper

154 100

153 108.3 88.3 132.5

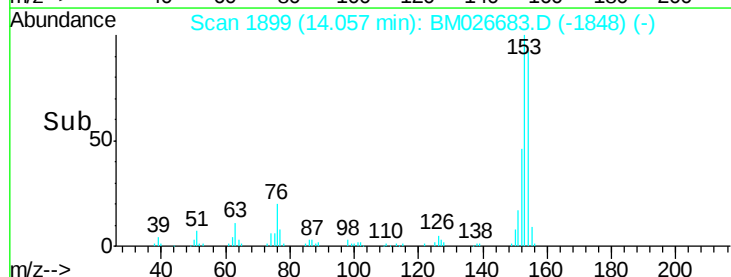
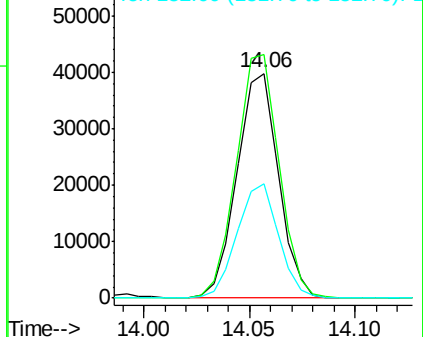
152 50.9 41.1 61.7

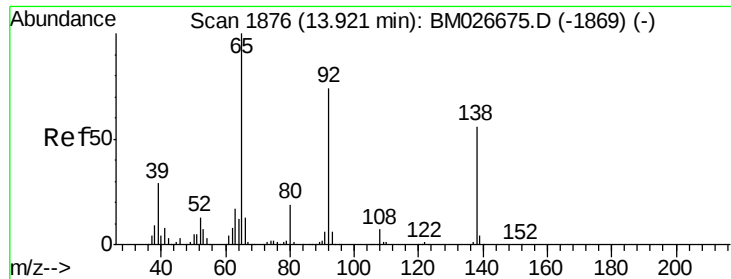


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

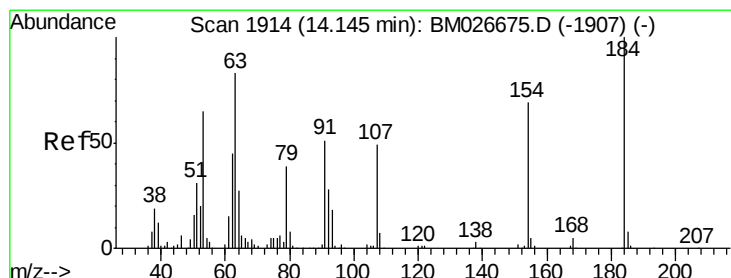
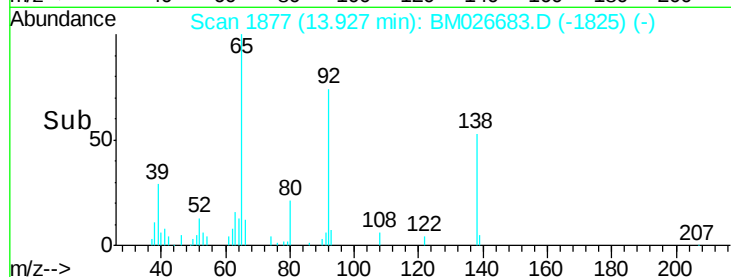
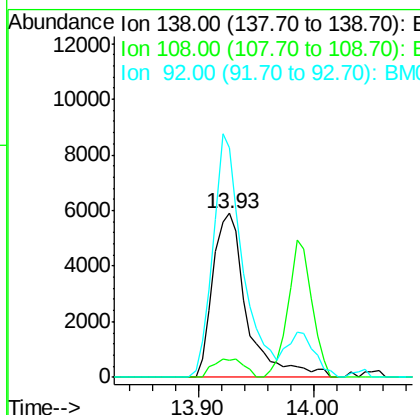
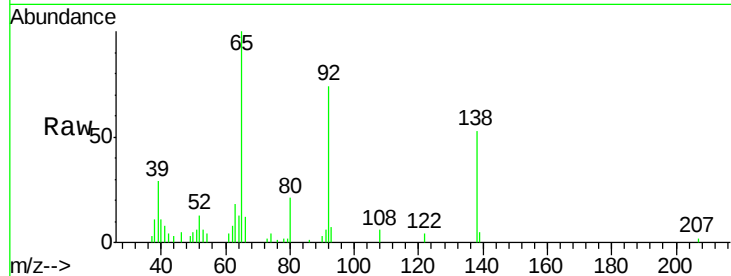




#53
3-Nitroaniline
Concen: 2.492 ng
RT: 13.93 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

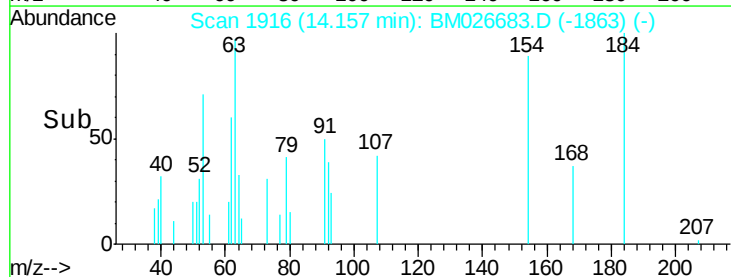
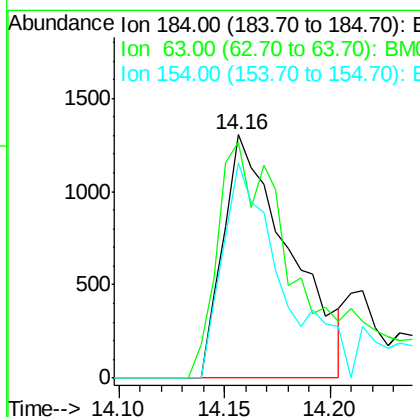
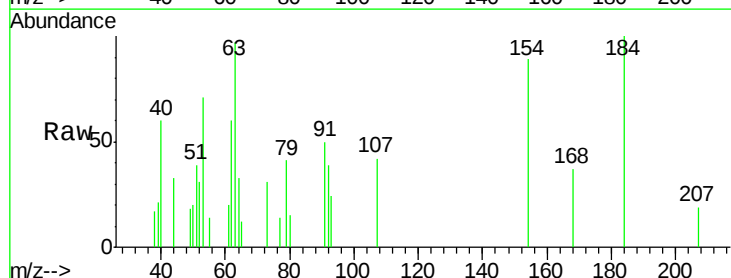
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

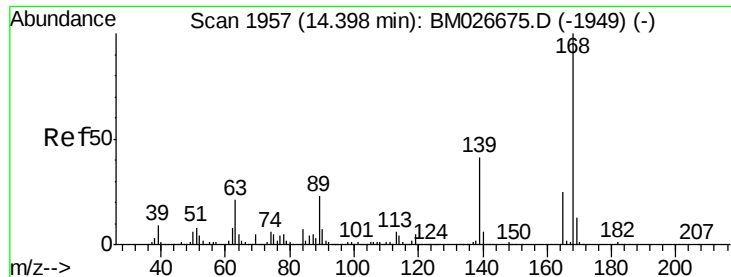
Tot Ion:138 Resp: 12013
Ion Ratio Lower Upper
138 100
108 10.8 9.7 14.5
92 139.6 105.6 158.4



#54
2,4-Dinitrophenol
Concen: 1.049 ng
RT: 14.16 min Scan# 1916
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:184 Resp: 2846
Ion Ratio Lower Upper
184 100
63 96.8 66.2 99.4
154 88.7 55.2 82.8#





#55

Dibenzenofuran

Concen: 3.500 ng

RT: 14.40 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

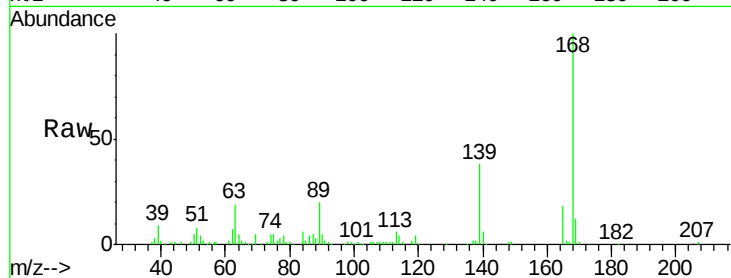
Tot Ion:168 Resp: 90021

Ion Ratio Lower Upper

168 100

139 37.6 32.6 48.8

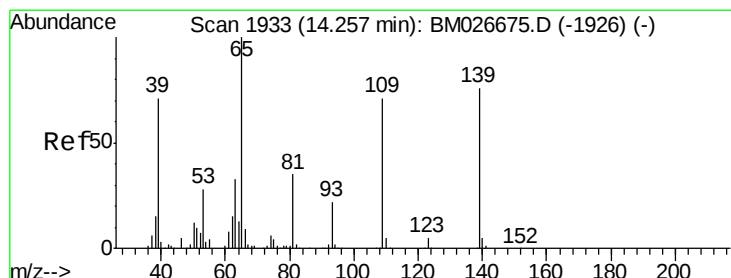
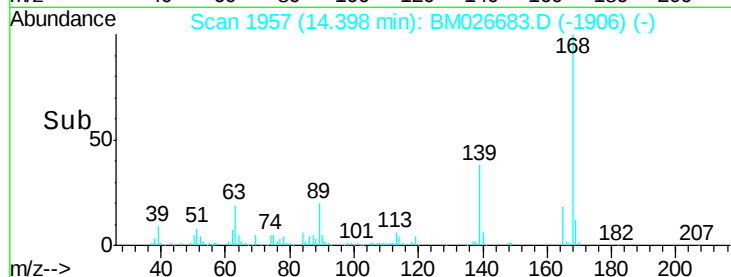
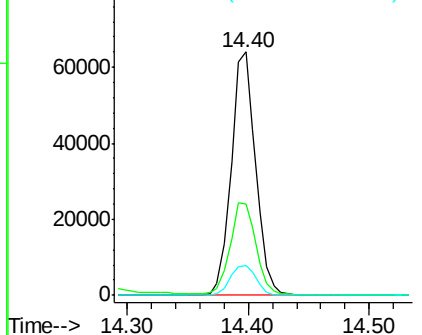
169 12.4 10.5 15.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 1.785 ng

RT: 14.27 min Scan# 1936

Delta R.T. 0.02 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

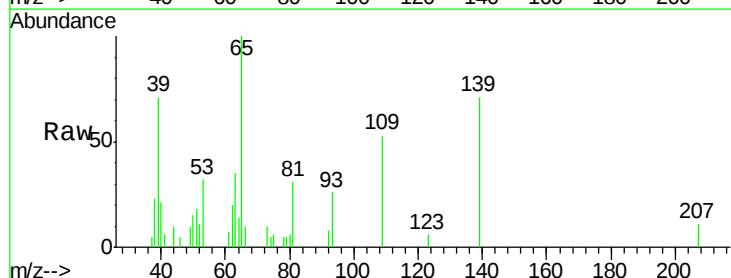
Tgt Ion:139 Resp: 6753

Ion Ratio Lower Upper

139 100

109 75.7 73.7 113.7

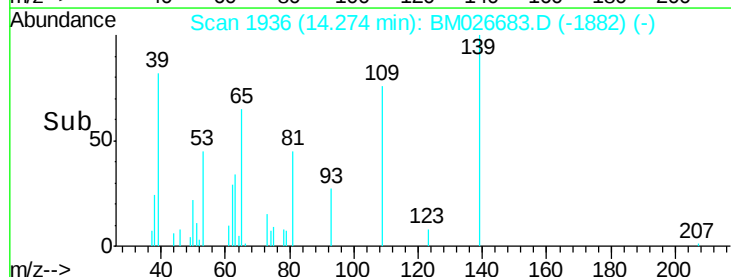
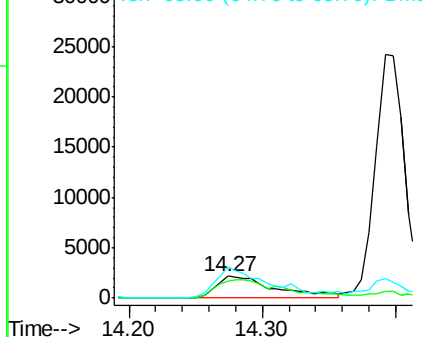
65 141.8 111.5 151.5

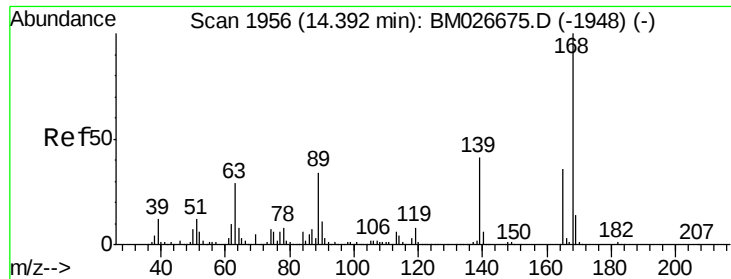


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

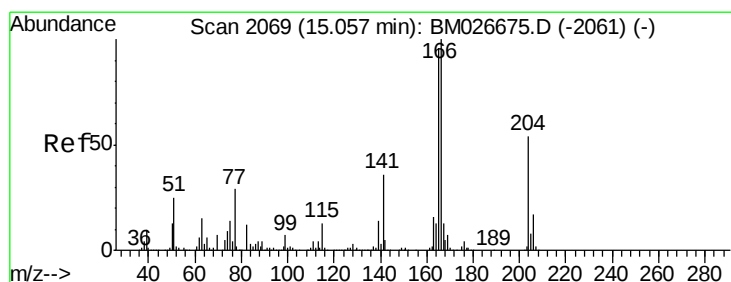
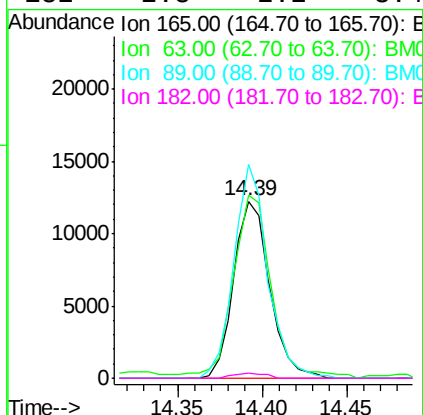
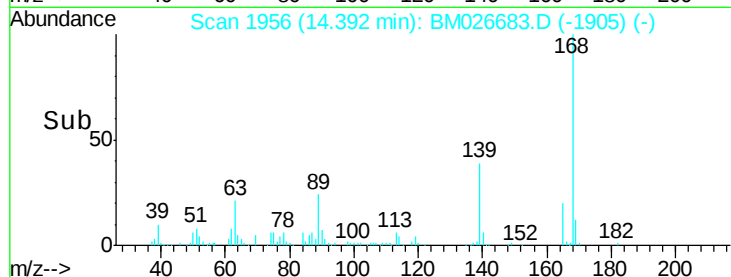
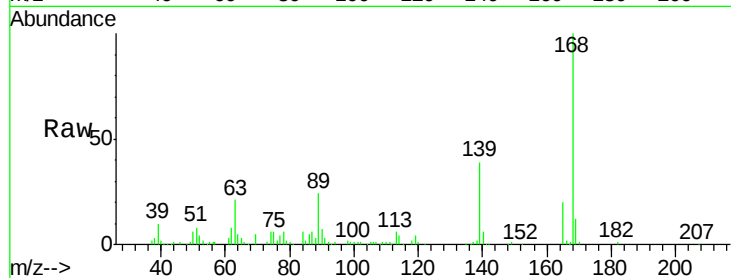




#57
2,4-Dinitrotoluene
Concen: 2.714 ng
RT: 14.39 min Scan# 1956
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

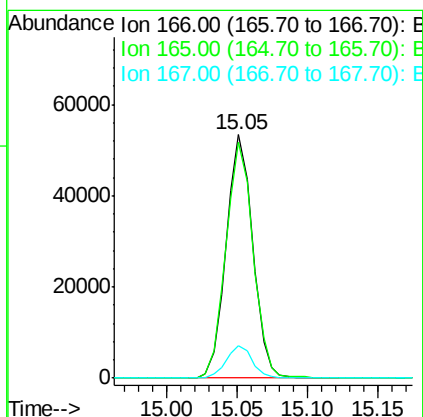
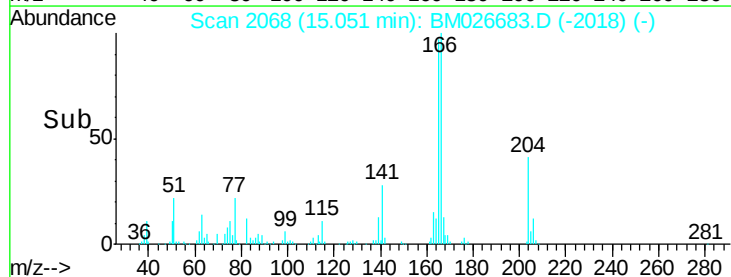
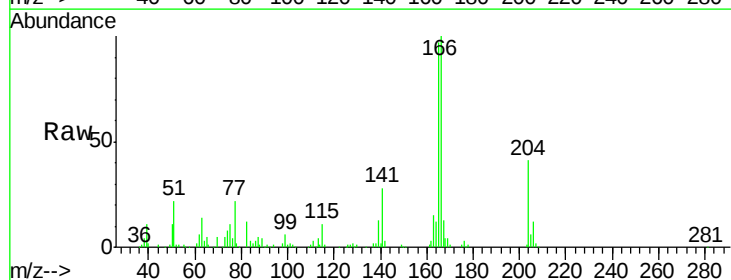
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

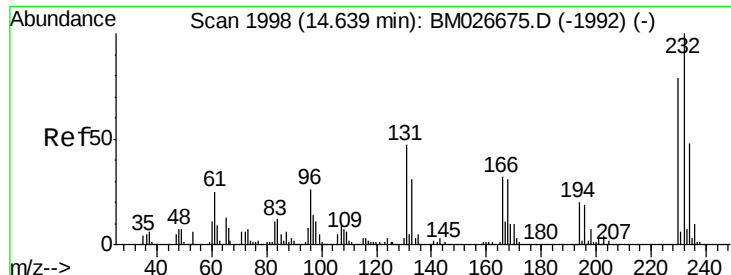
Tot Ion:165 Resp: 18150
Ion Ratio Lower Upper
165 100
63 103.7 64.6 97.0#
89 120.7 75.4 113.2#
182 2.8 2.2 3.4



#58
Fluorene
Concen: 3.289 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:166 Resp: 70037
Ion Ratio Lower Upper
166 100
165 96.9 77.1 115.7
167 13.4 10.8 16.2

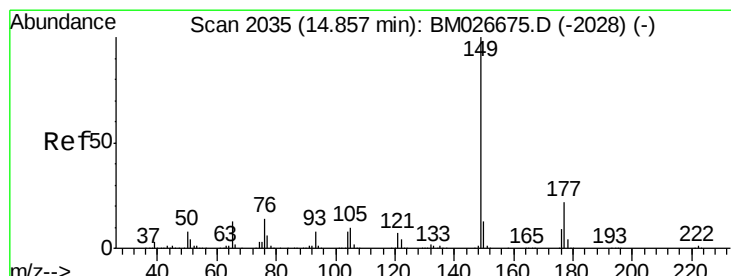
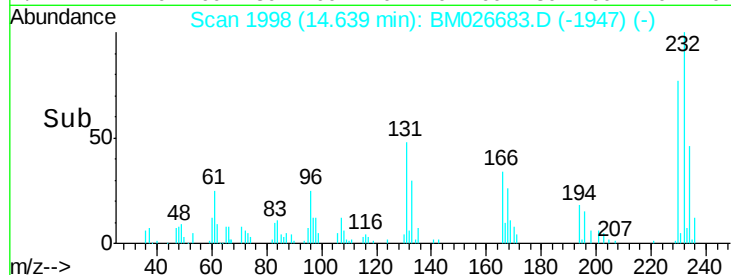
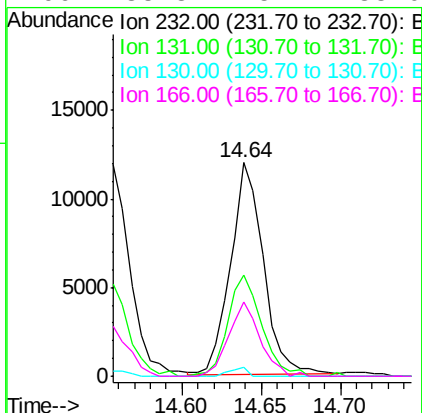
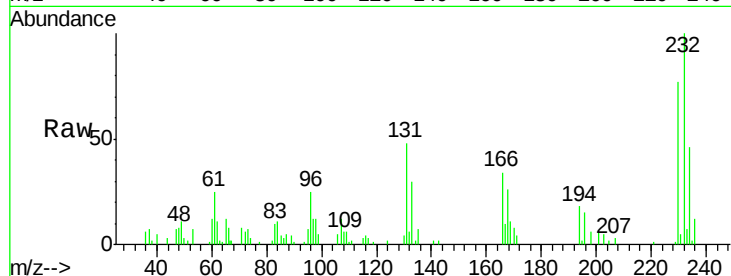




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.111 ng
 RT: 14.64 min Scan# 1998
 Delta R.T. -0.00 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

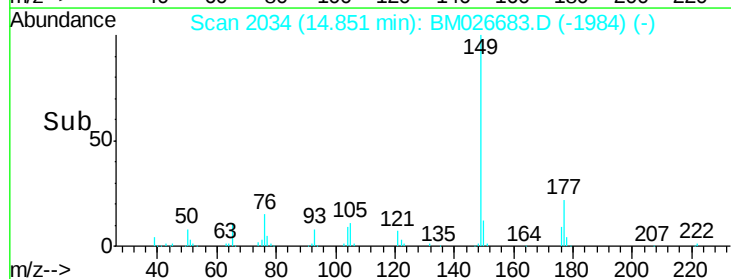
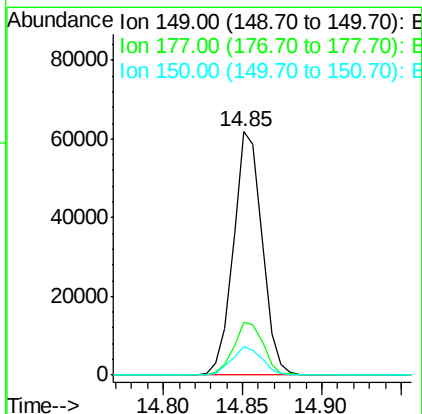
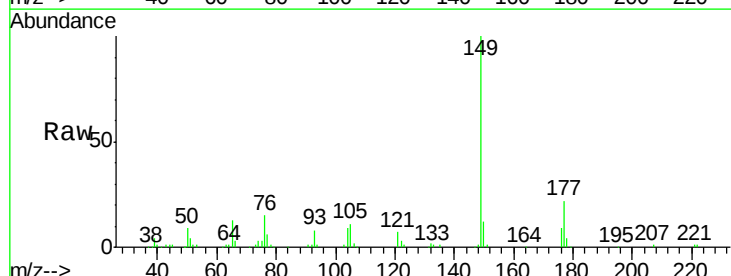
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

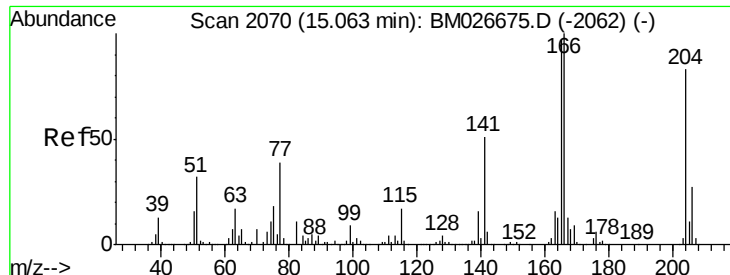
Tot Ion:232	Resp:	17107
Ion Ratio	Lower	Upper
232	100	
131	49.0	38.4 57.6
130	2.3	2.2 3.2
166	33.8	25.4 38.0



#60
 Diethylphthalate
 Concen: 3.375 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

Tgt Ion:149	Resp:	77239
Ion Ratio	Lower	Upper
149	100	
177	21.6	17.8 26.6
150	12.0	10.2 15.4

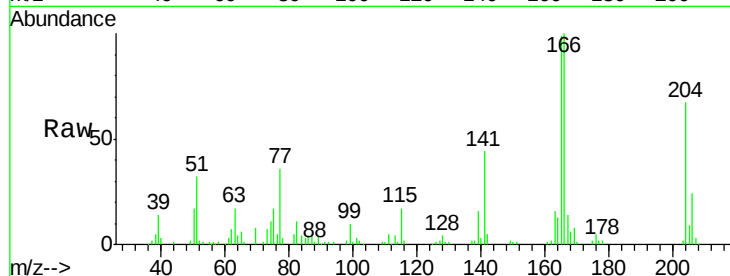




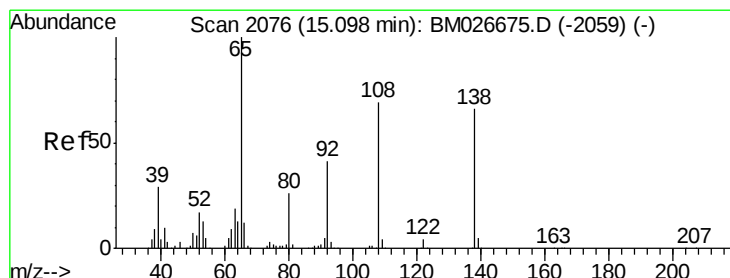
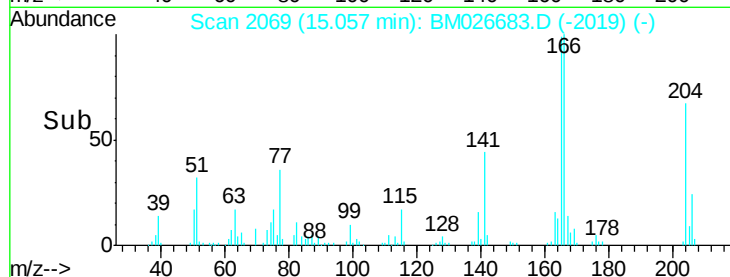
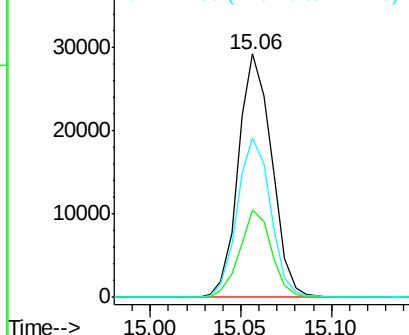
#61
4-Chlorophenyl-phenylether
Concen: 3.249 ng
RT: 15.06 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:204 Resp: 37487
Ion Ratio Lower Upper
204 100
206 36.2 25.9 38.9
141 65.5 49.5 74.3

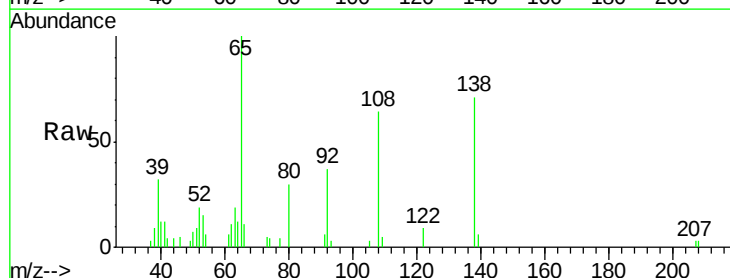


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

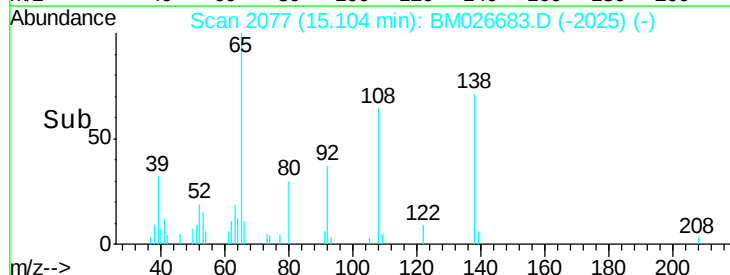
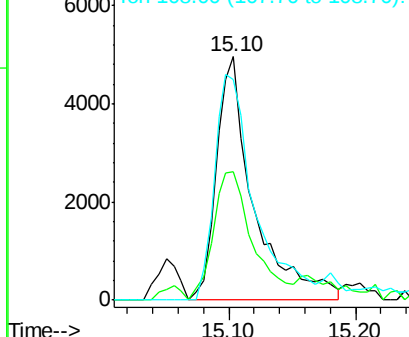


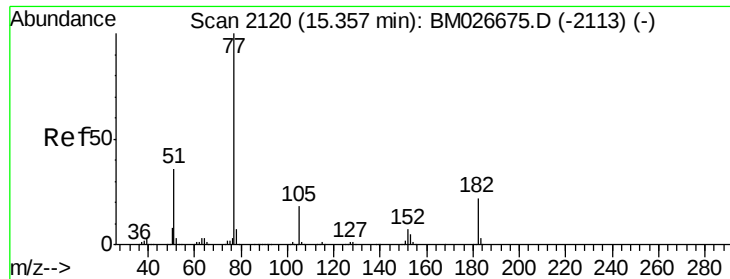
#62
4-Nitroaniline
Concen: 2.013 ng
RT: 15.10 min Scan# 2077
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:138 Resp: 10127
Ion Ratio Lower Upper
138 100
92 52.9 41.5 81.5
108 90.4 84.8 124.8



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

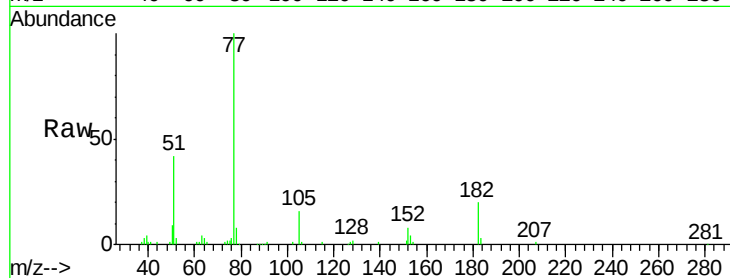




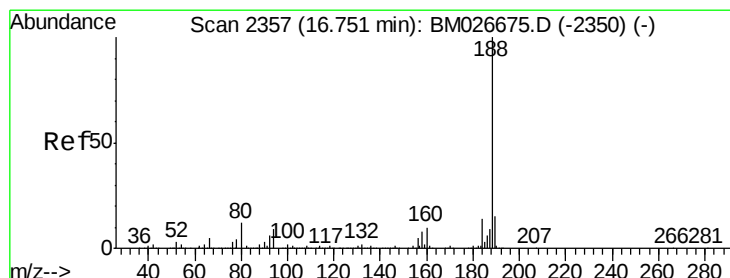
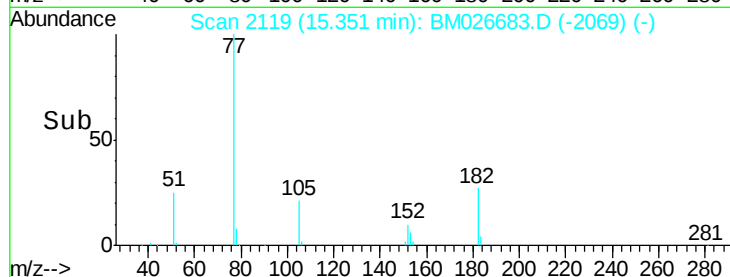
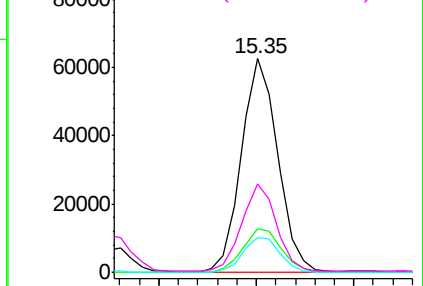
#63
Azobenzene
Concen: 3.221 ng
RT: 15.35 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	77	Resp:	80956
Ion	Ratio	Lower	Upper
77	100		
182	20.5	1.6	41.6
105	16.1	0.0	37.8
51	41.5	16.5	56.5

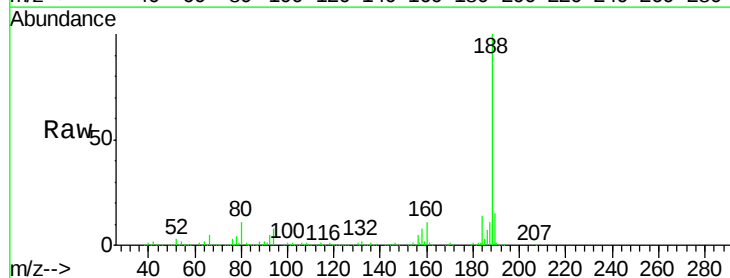


Abundance Ion 77.00 (76.70 to 77.70): BM026683.D (-2069) (-)

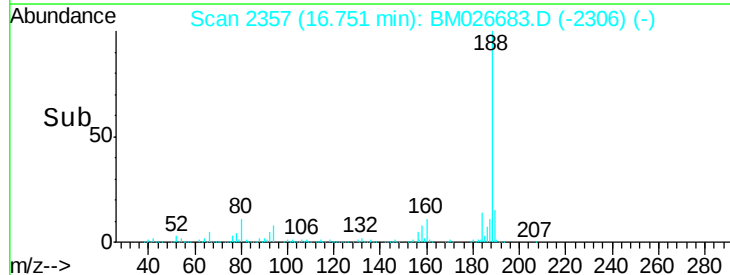
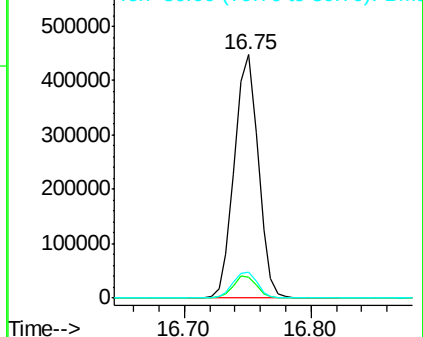


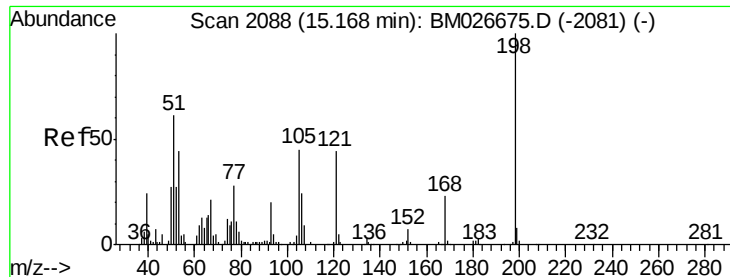
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.75 min Scan# 2357
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:	188	Resp:	584842
Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.4	11.0
80	10.7	9.3	13.9



Abundance Ion 188.00 (187.70 to 188.70): BM026683.D (-2306) (-)

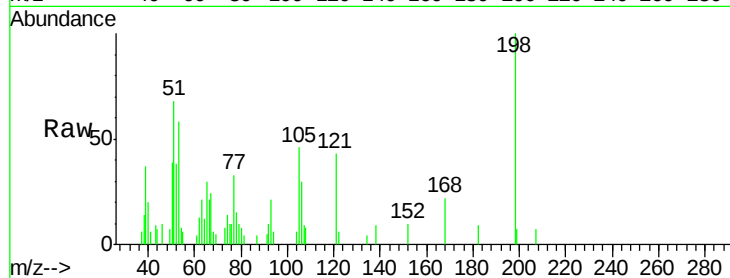




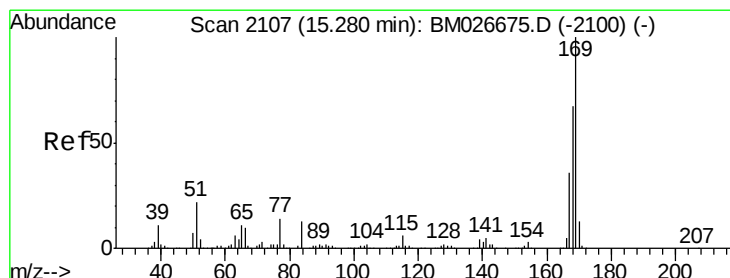
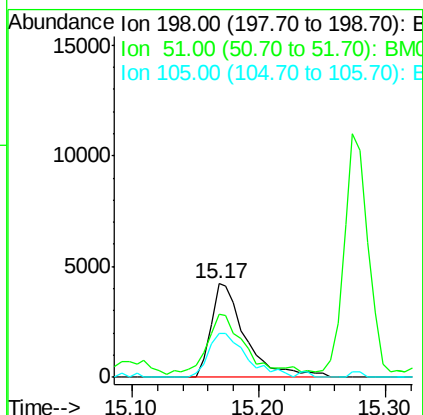
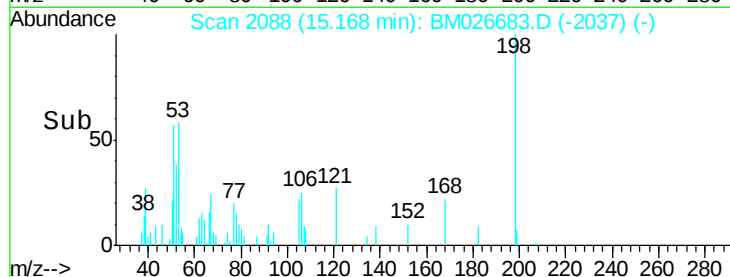
#65
4,6-Dinitro-2-methylphenol
Concen: 2.001 ng
RT: 15.17 min Scan# 2088
Delta R.T. 0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:198 Resp: 7955
Ion Ratio Lower Upper
198 100
51 68.0 42.0 82.0
105 46.5 24.9 64.9

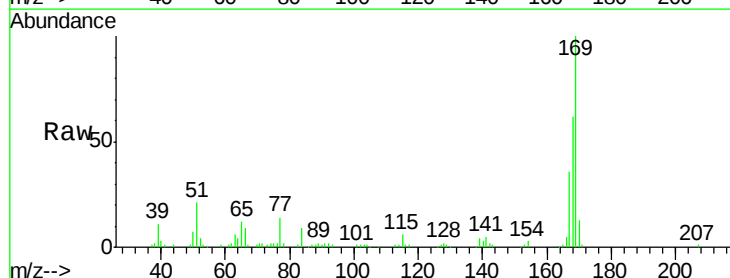


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BM0
Ion 105.00 (104.70 to 105.70): E

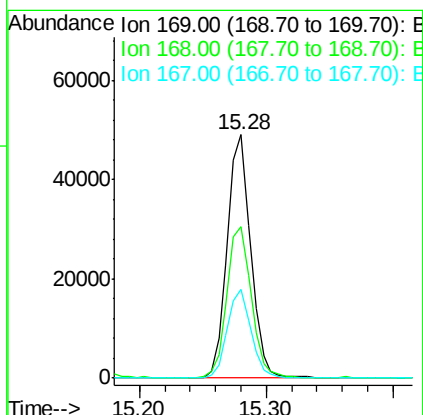
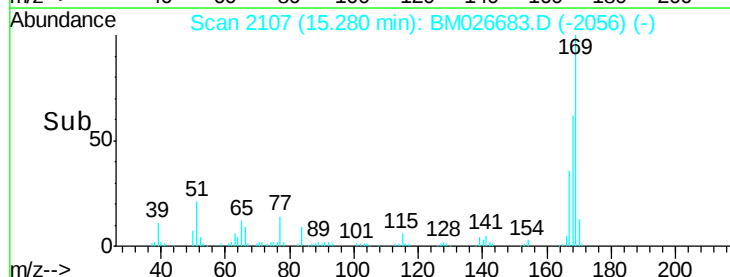


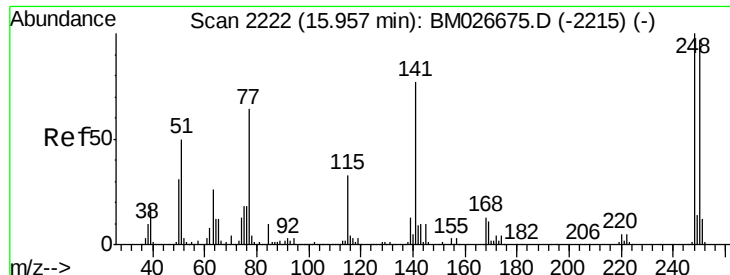
#66
n-Nitrosodiphenylamine
Concen: 3.391 ng
RT: 15.28 min Scan# 2107
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:169 Resp: 63023
Ion Ratio Lower Upper
169 100
168 62.1 53.8 80.8
167 36.5 28.6 43.0



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

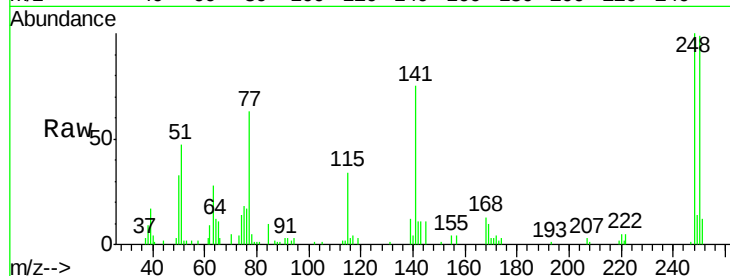




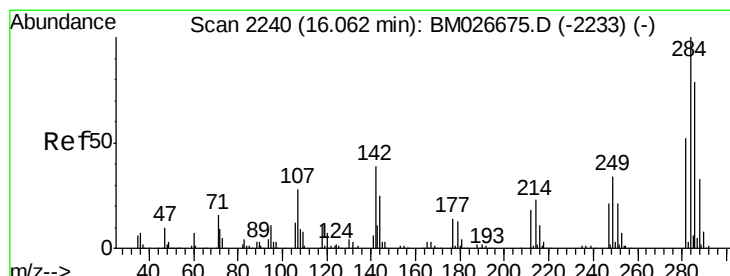
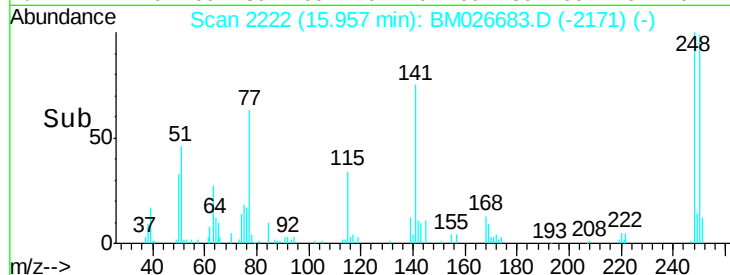
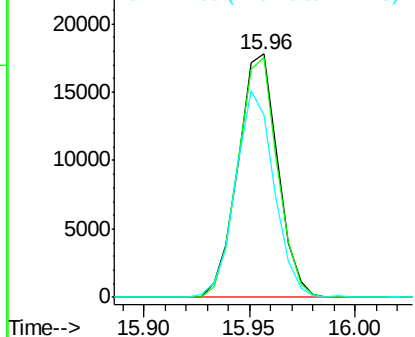
#67
4-Bromophenyl-phenylether
Concen: 3.202 ng
RT: 15.96 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:248 Resp: 23306
Ion Ratio Lower Upper
248 100
250 98.7 77.4 116.2
141 74.7 61.9 92.9

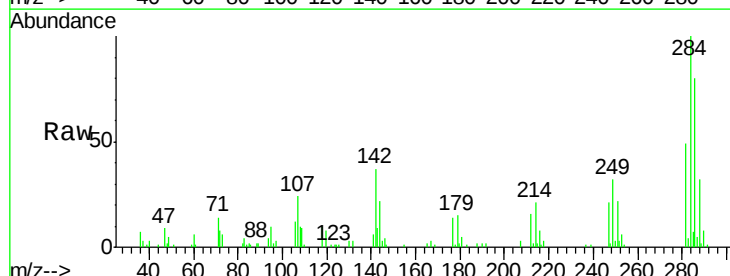


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

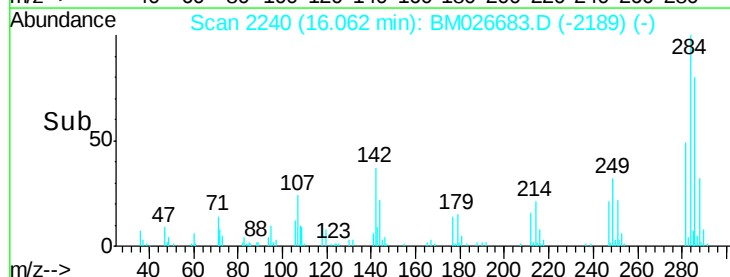
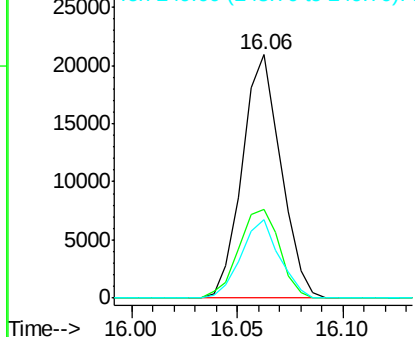


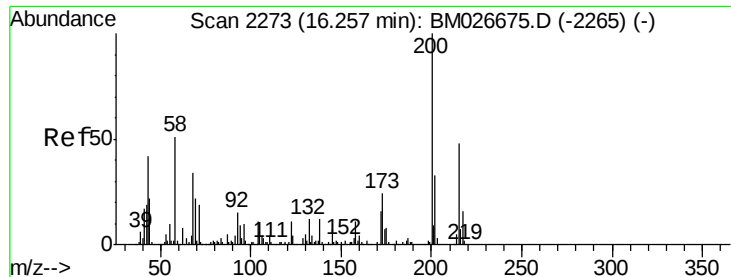
#68
Hexachlorobenzene
Concen: 3.478 ng
RT: 16.06 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion:284 Resp: 26648
Ion Ratio Lower Upper
284 100
142 36.5 31.1 46.7
249 32.1 27.4 41.0



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

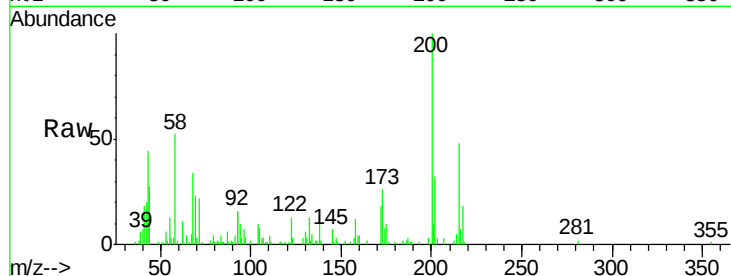




#69
Atrazine
Concen: 4.437 ng
RT: 16.25 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.2	4.5	44.5
215	48.0	28.4	68.4

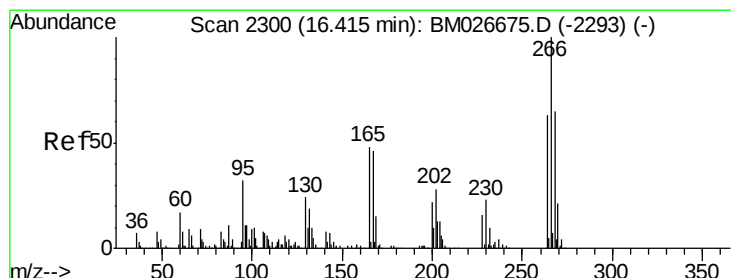
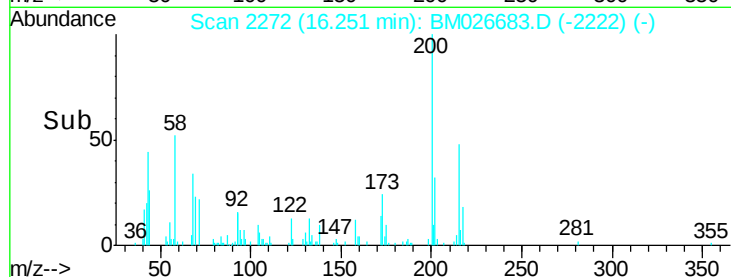
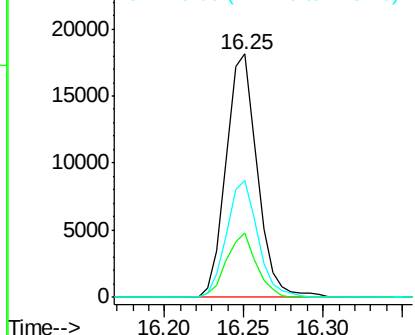


Abundance

Ion 200.00 (199.70 to 200.70): E

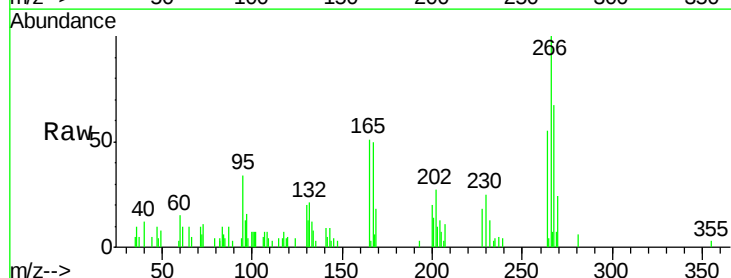
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 2.358 ng
RT: 16.42 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.2	51.8	77.6
264	58.2	50.1	75.1

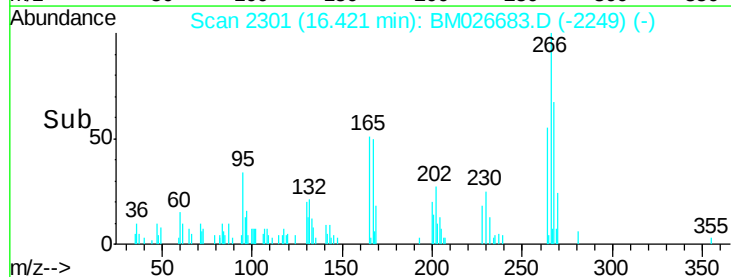
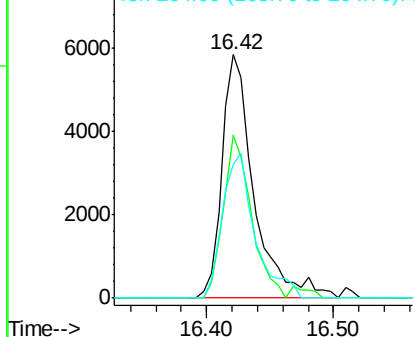


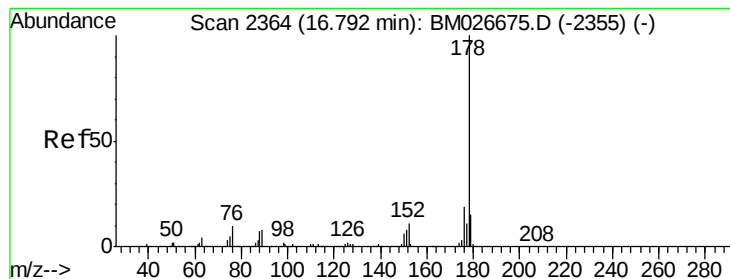
Abundance

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: 3.495 ng

RT: 16.79 min Scan# 2364

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

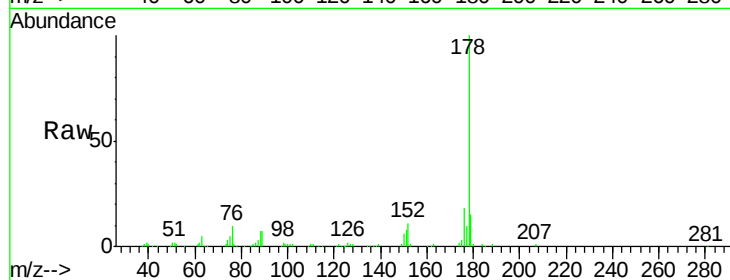
Tot Ion:178 Resp: 120655

Ion Ratio Lower Upper

178 100

176 17.7 15.0 22.6

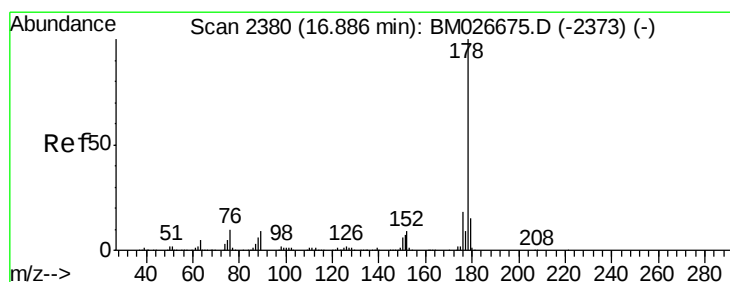
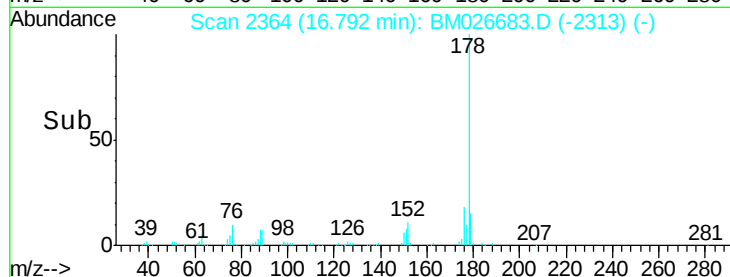
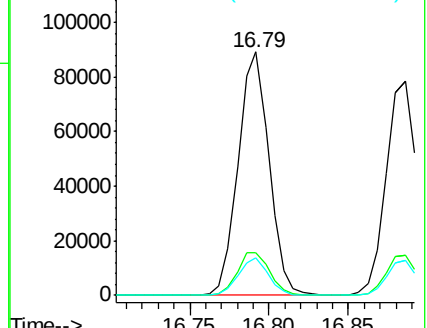
179 15.3 12.1 18.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.322 ng

RT: 16.89 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

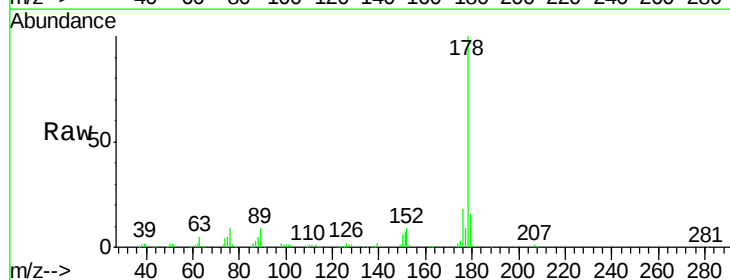
Tgt Ion:178 Resp: 114197

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

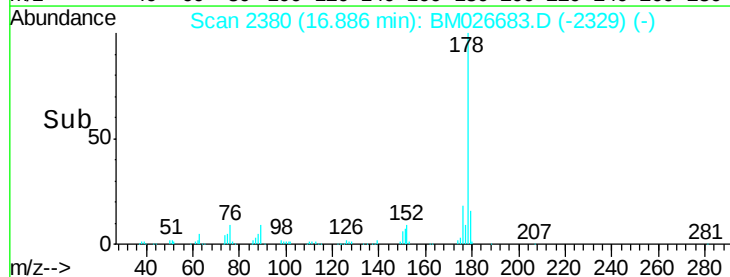
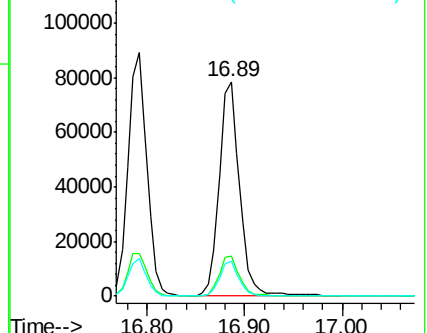
179 16.1 12.1 18.1

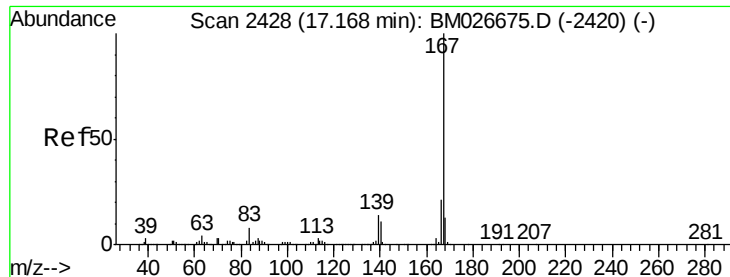


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

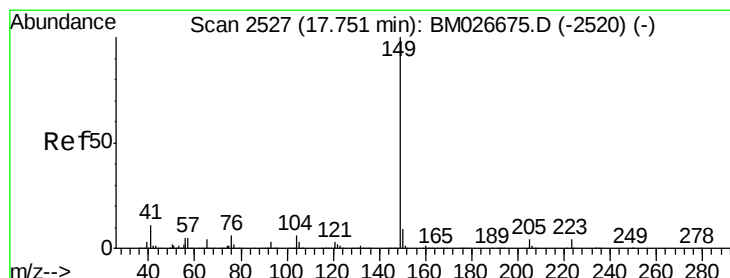
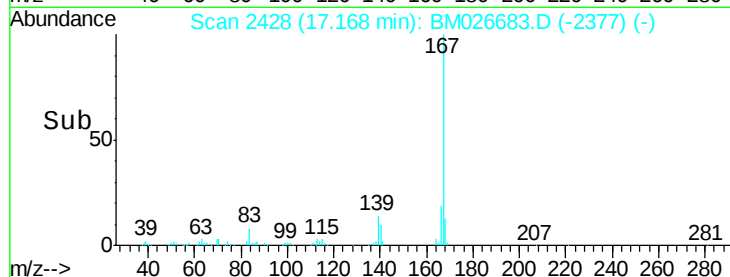
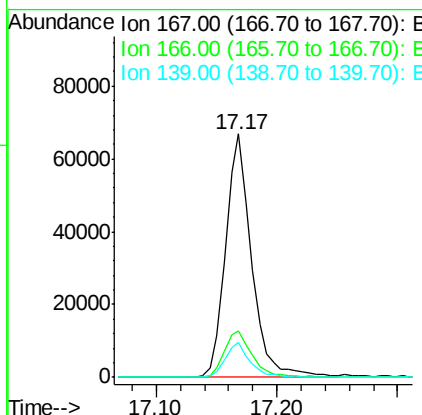
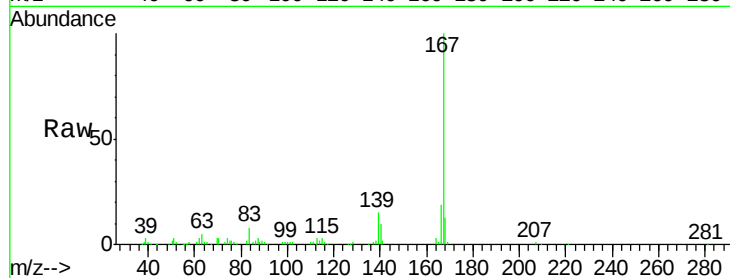




#73
 Carbazole
 Concen: 3.049 ng
 RT: 17.17 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

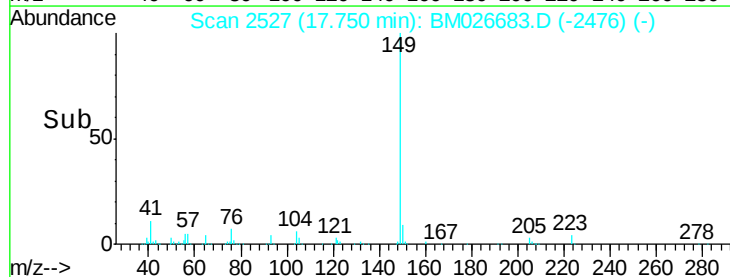
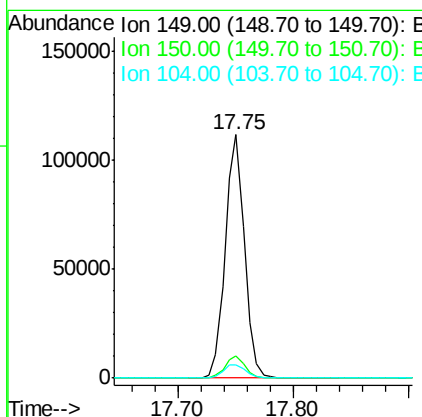
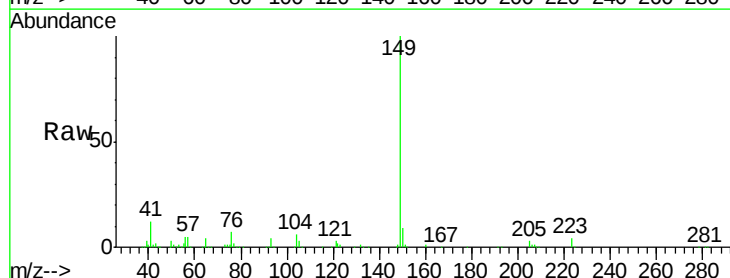
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

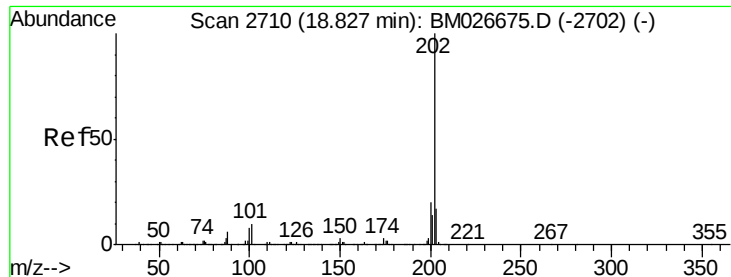
Tot Ion:167 Resp: 99922
 Ion Ratio Lower Upper
 167 100
 166 19.2 16.9 25.3
 139 14.5 10.8 16.2



#74
 Di-n-butylphthalate
 Concen: 3.107 ng
 RT: 17.75 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

Tgt Ion:149 Resp: 128001
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.3 10.9
 104 5.7 5.0 7.4





#75

Fluoranthene

Concen: 3.412 ng

RT: 18.82 min Scan# 2709

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

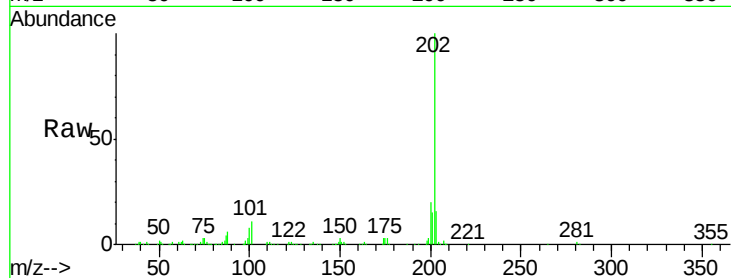
Tot Ion:202 Resp: 145104

Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.1

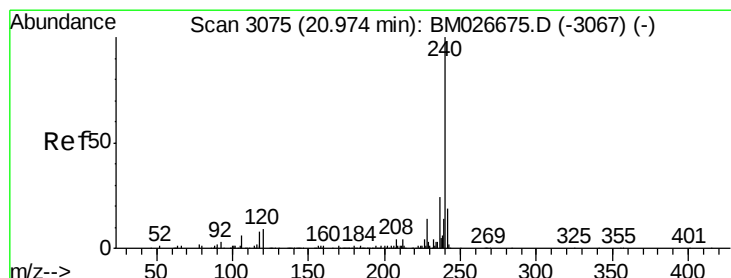
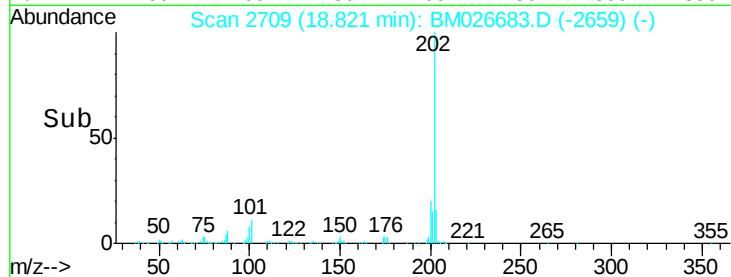
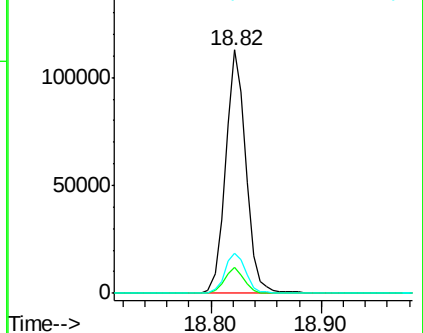
203 16.5 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 20.97 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

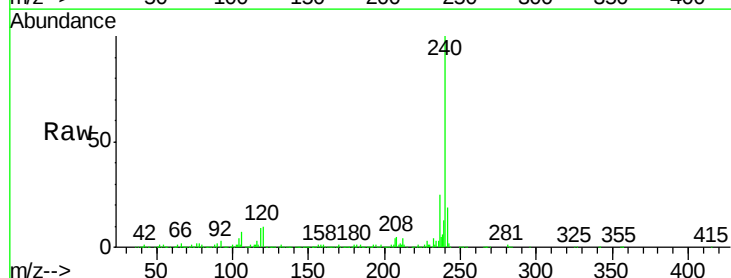
Tgt Ion:240 Resp: 684918

Ion Ratio Lower Upper

240 100

120 9.6 7.3 10.9

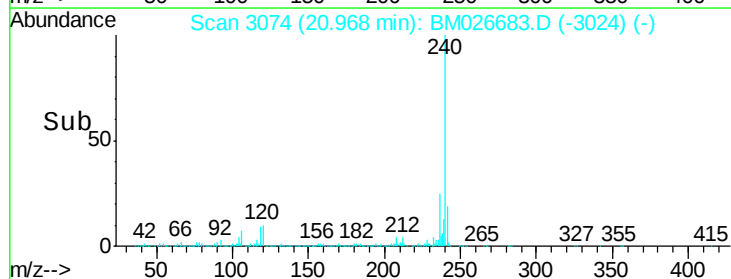
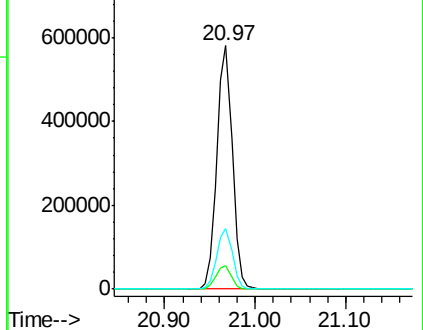
236 25.0 19.4 29.2

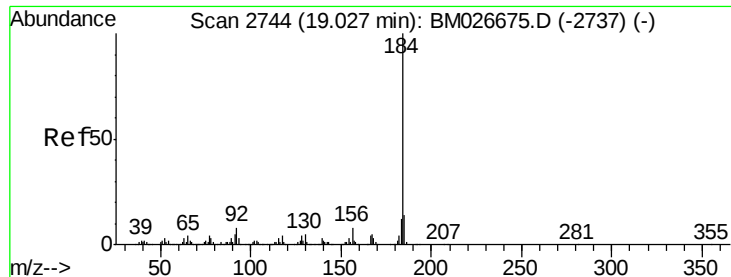


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.957 ng

RT: 19.03 min Scan# 2744

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

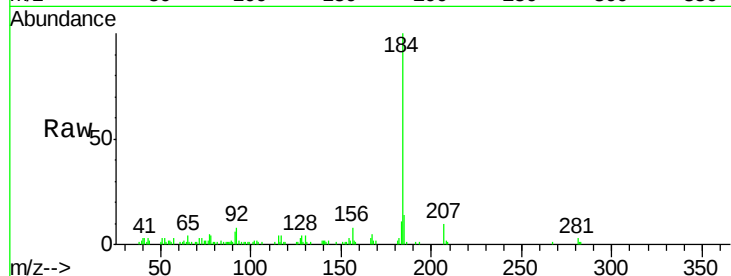
Tot Ion:184 Resp: 53437

Ion Ratio Lower Upper

184 100

185 14.3 10.9 16.3

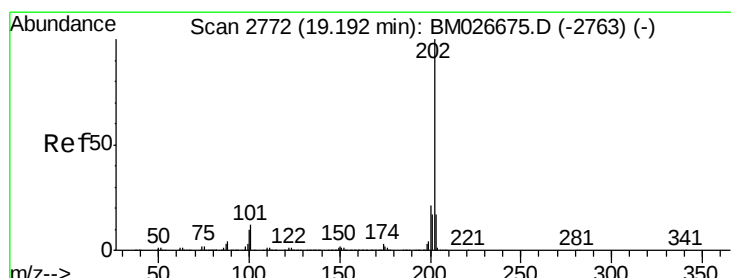
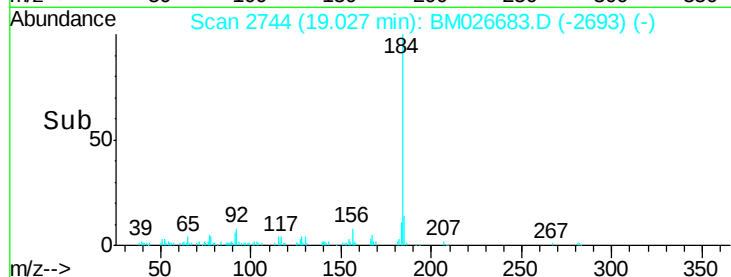
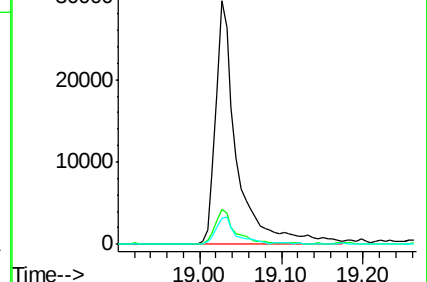
183 10.5 9.3 13.9



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: 3.547 ng

RT: 19.19 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

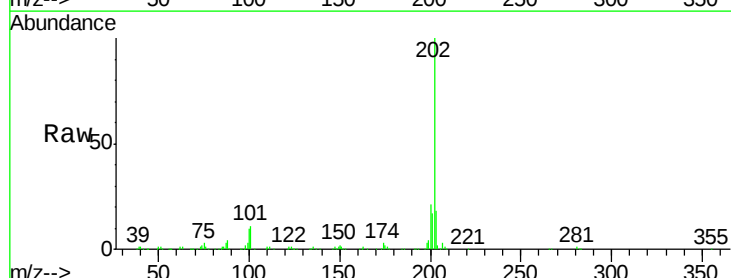
Tgt Ion:202 Resp: 153055

Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

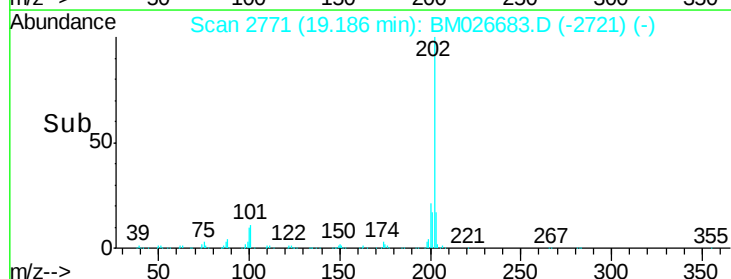
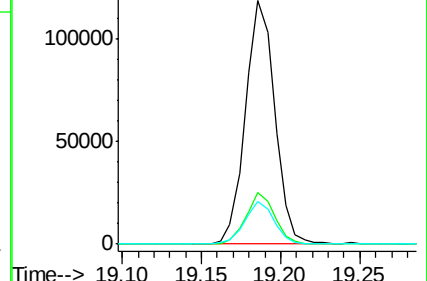
203 17.6 13.7 20.5

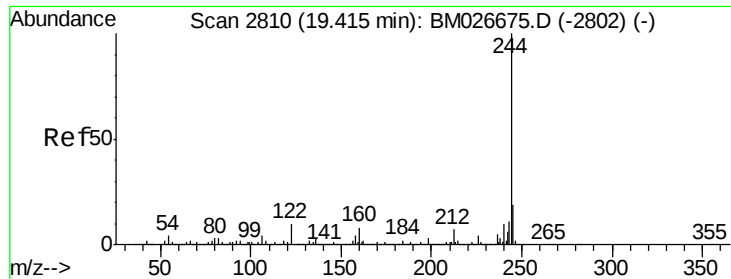


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

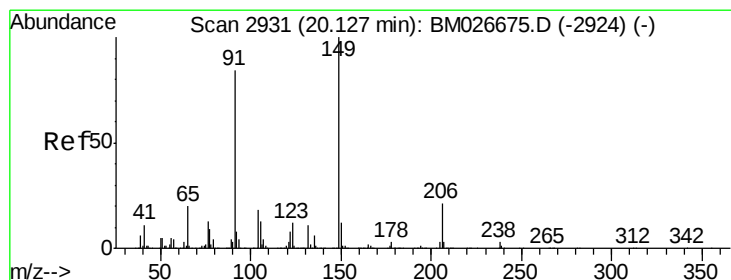
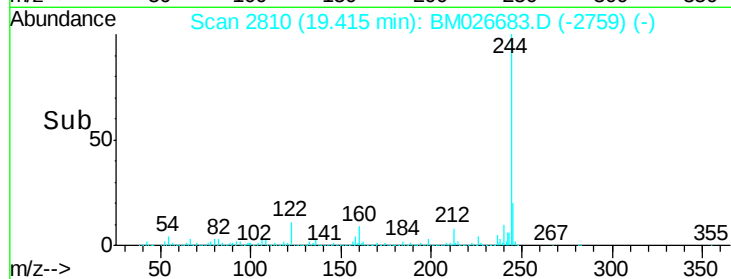
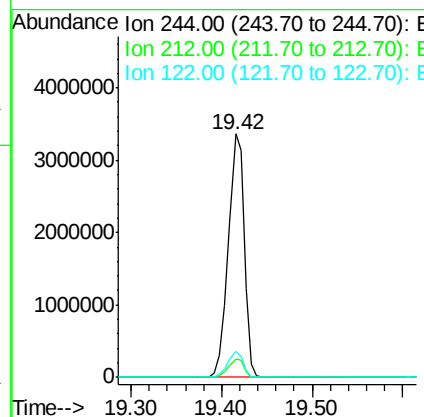
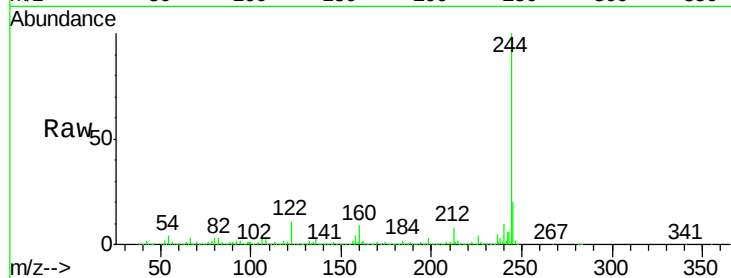




#79
 Terphenyl-d14
 Concen: 116.366 ng
 RT: 19.42 min Scan# 2810
 Delta R.T. -0.00 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

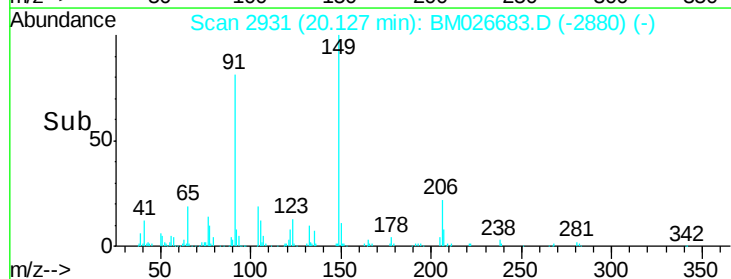
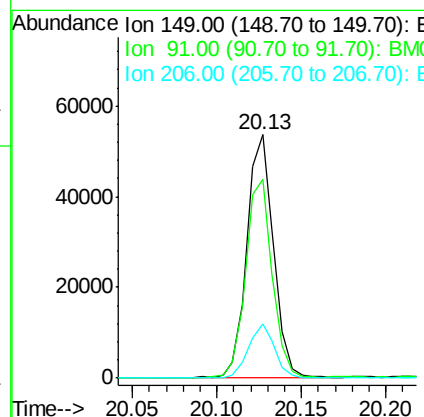
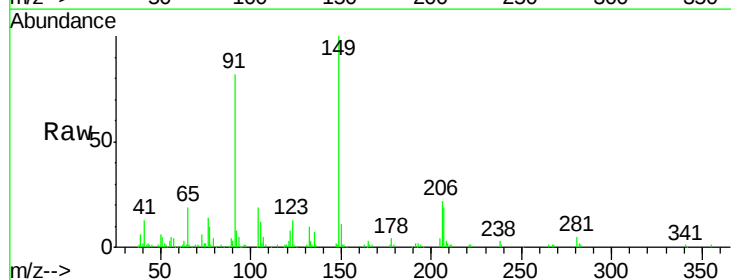
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

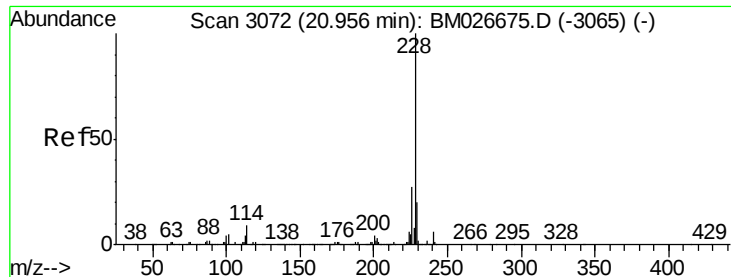
Tot Ion:244 Resp: 4049829
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 10.8 8.2 12.4



#80
 Butylbenzylphthalate
 Concen: 3.018 ng
 RT: 20.13 min Scan# 2931
 Delta R.T. -0.00 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

Tgt Ion:149 Resp: 58427
 Ion Ratio Lower Upper
 149 100
 91 81.7 67.6 101.4
 206 22.4 16.7 25.1





#81

Benzo(a)anthracene

Concen: 3.523 ng

RT: 20.95 min Scan# 3071

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

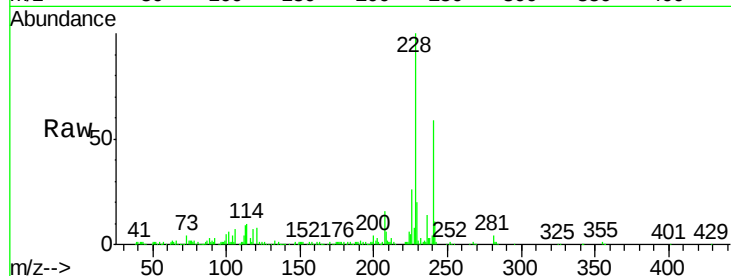
Tot Ion:228 Resp: 162101

Ion Ratio Lower Upper

228 100

226 26.3 21.4 32.2

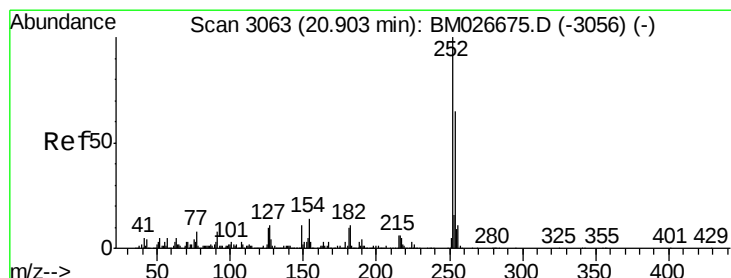
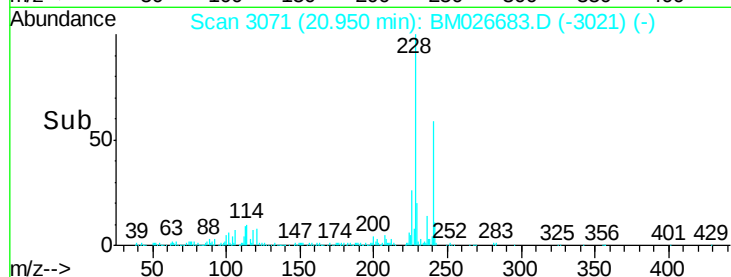
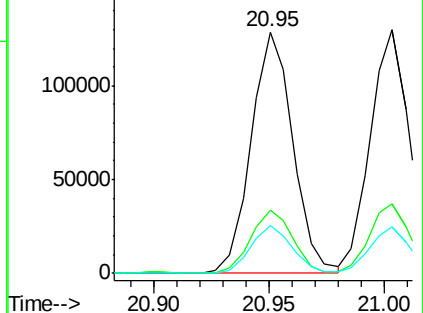
229 19.8 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 3.692 ng

RT: 20.90 min Scan# 3063

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

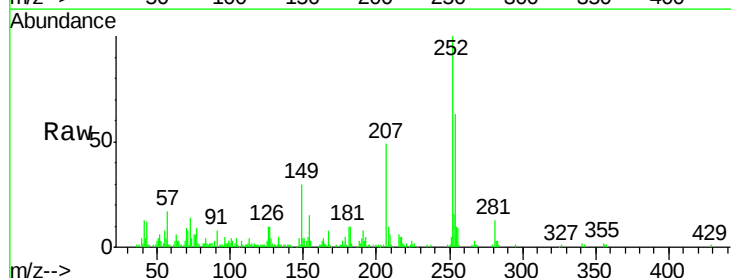
Tgt Ion:252 Resp: 53912

Ion Ratio Lower Upper

252 100

254 63.0 51.9 77.9

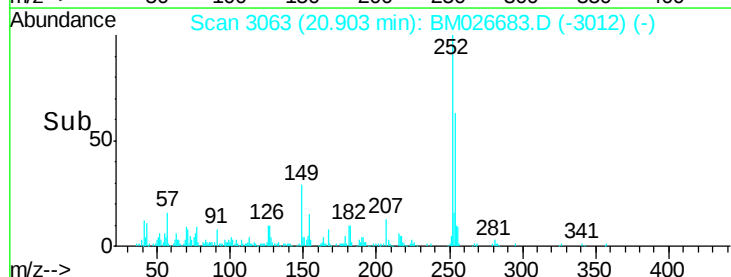
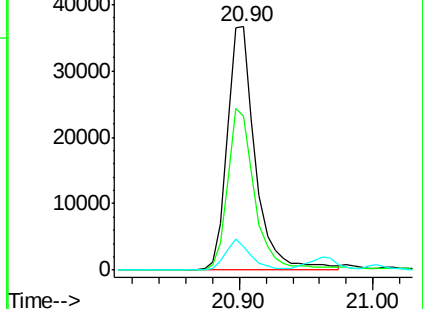
126 9.7 8.2 12.2

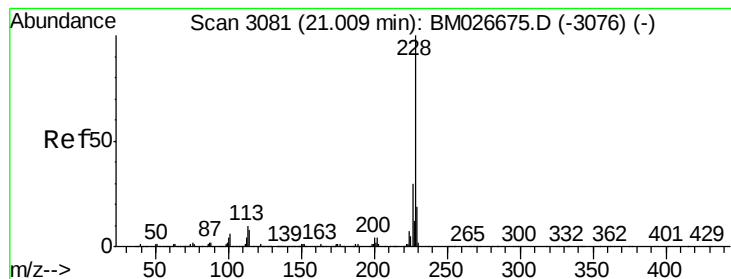


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 3.481 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

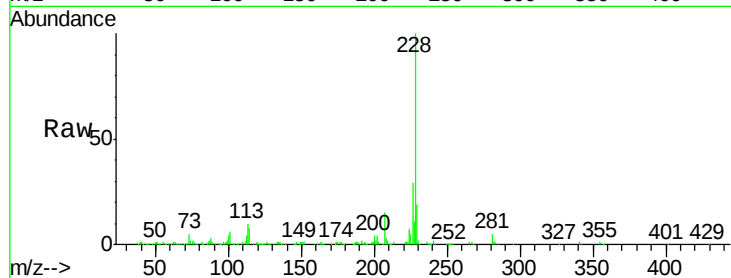
Tot Ion:228 Resp: 155860

Ion Ratio Lower Upper

228 100

226 28.7 23.7 35.5

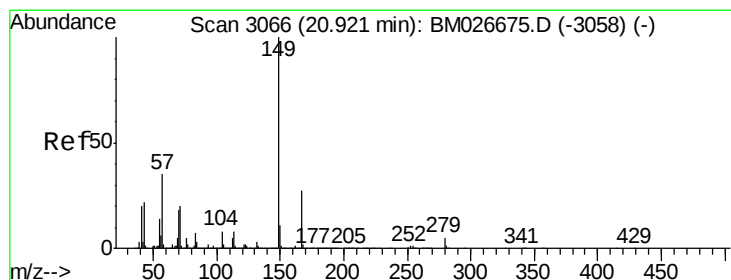
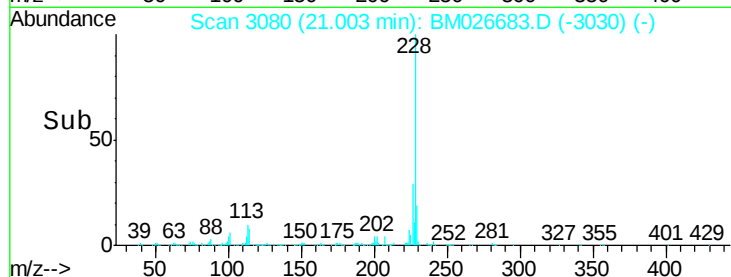
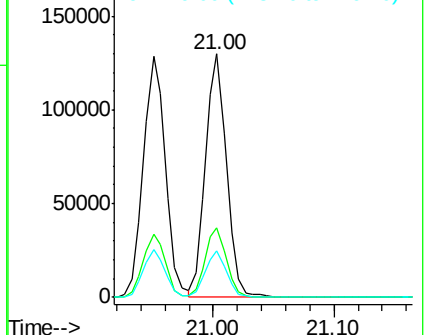
229 19.0 15.4 23.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.044 ng

RT: 20.91 min Scan# 3065

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

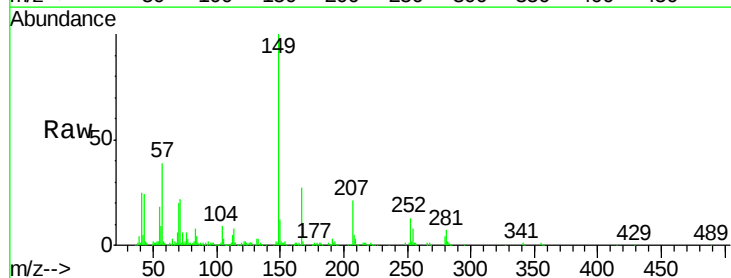
Tgt Ion:149 Resp: 94409

Ion Ratio Lower Upper

149 100

167 27.1 21.9 32.9

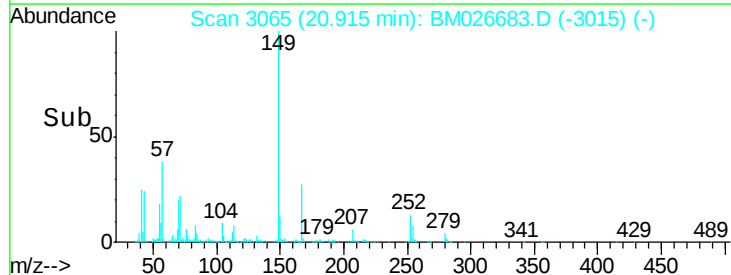
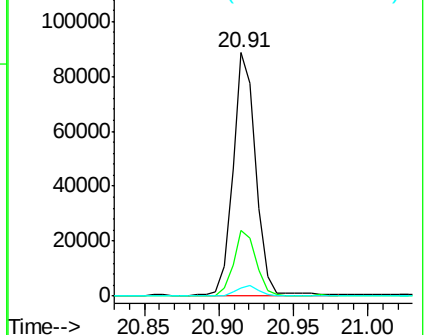
279 3.5 3.7 5.5#

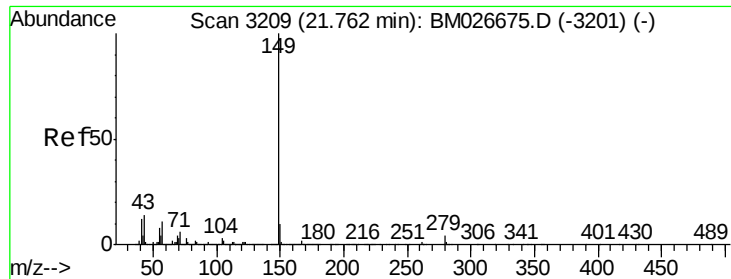


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 2.931 ng

RT: 21.76 min Scan# 3209

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

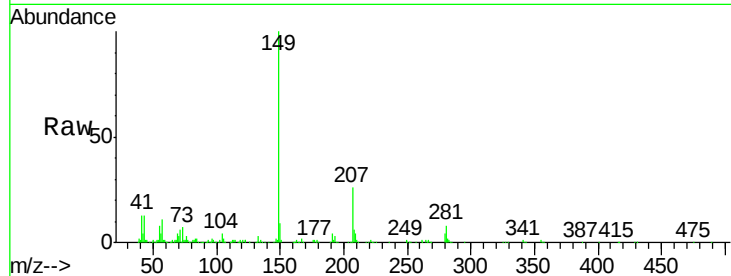
Tot Ion:149 Resp: 155417

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

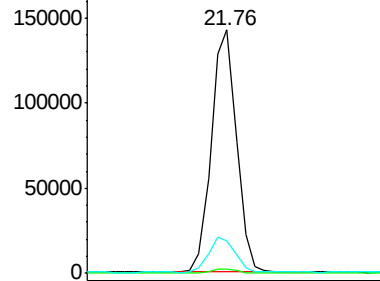
43 15.7 11.2 16.8



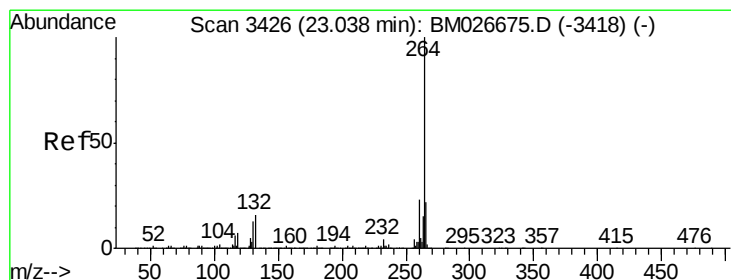
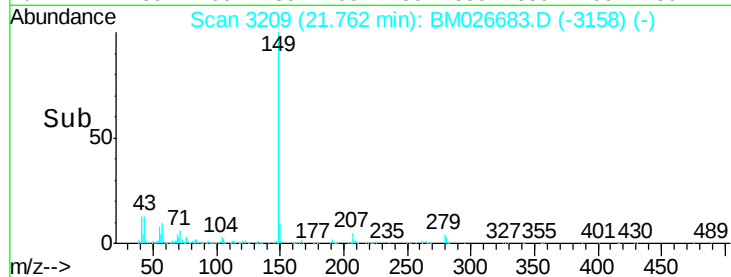
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.04 min Scan# 3426

Delta R.T. -0.00 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

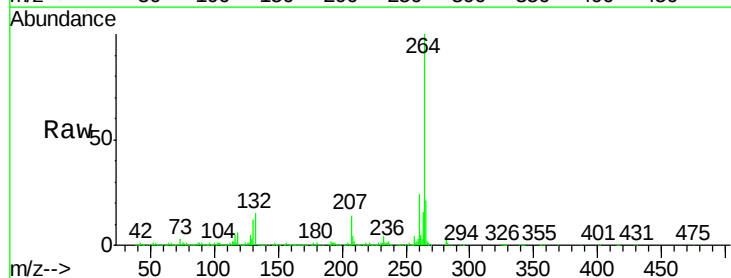
Tgt Ion:264 Resp: 672673

Ion Ratio Lower Upper

264 100

260 23.6 18.2 27.2

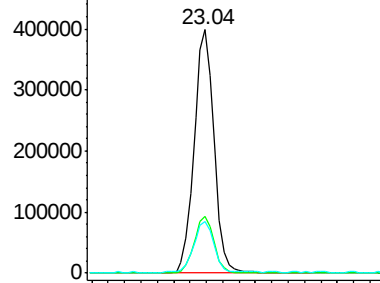
265 21.1 17.6 26.4



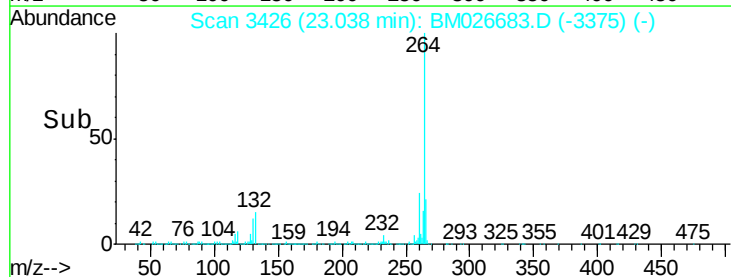
Abundance Ion 264.00 (263.70 to 264.70): E

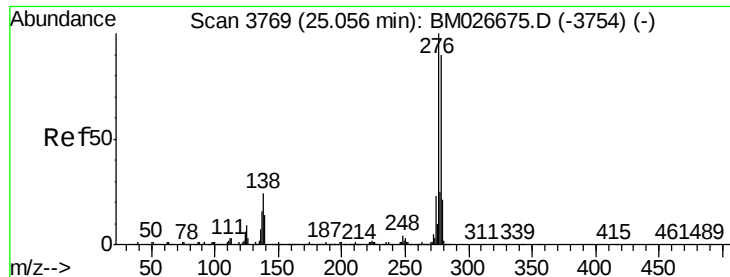
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->

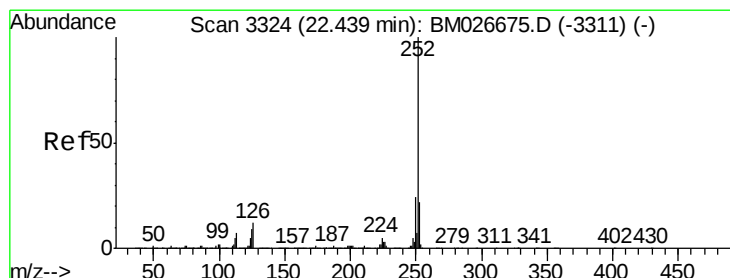
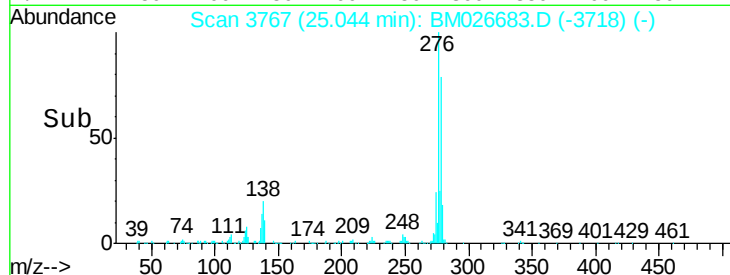
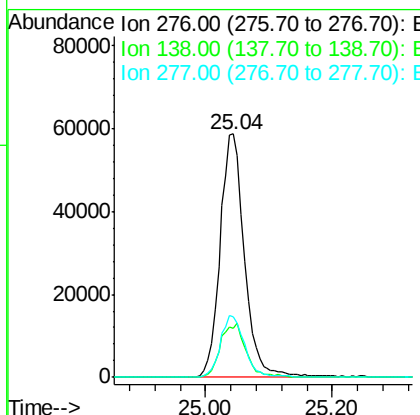
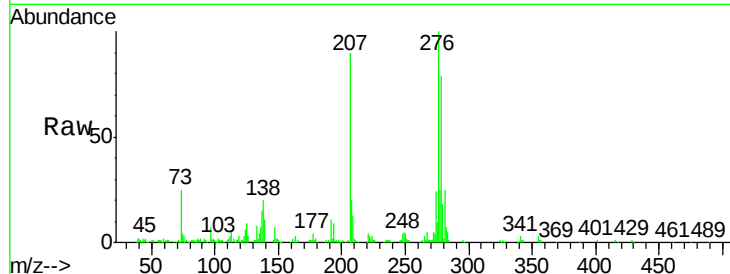




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.275 ng
 RT: 25.04 min Scan# 3767
 Delta R.T. -0.01 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

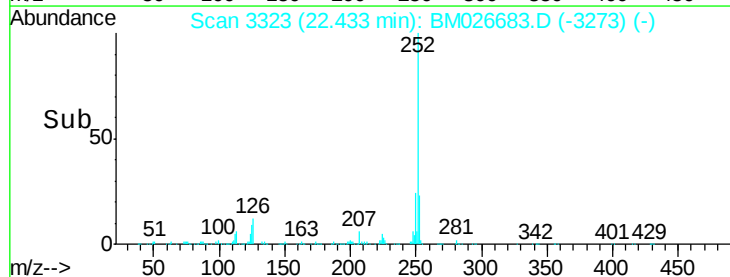
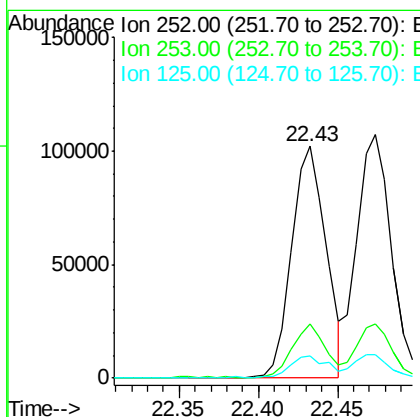
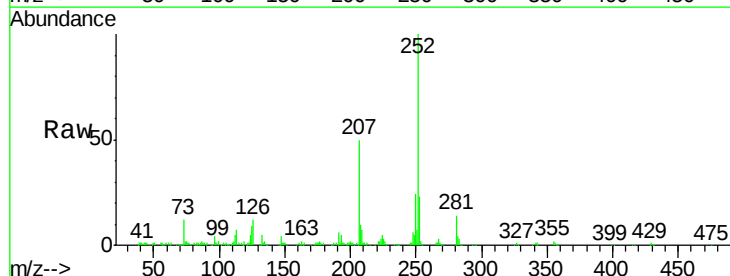
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

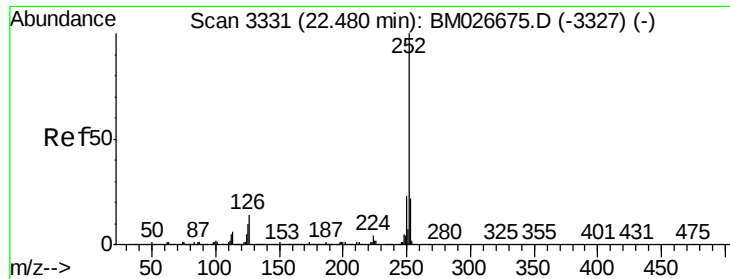
Tot Ion:276 Resp: 156832
 Ion Ratio Lower Upper
 276 100
 138 22.6 18.4 27.6
 277 25.2 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 3.454 ng
 RT: 22.43 min Scan# 3323
 Delta R.T. -0.01 min
 Lab File: BM026683.D
 Acq: 07 Jul 2020 18:48

Tgt Ion:252 Resp: 153081
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 9.4 7.5 11.3

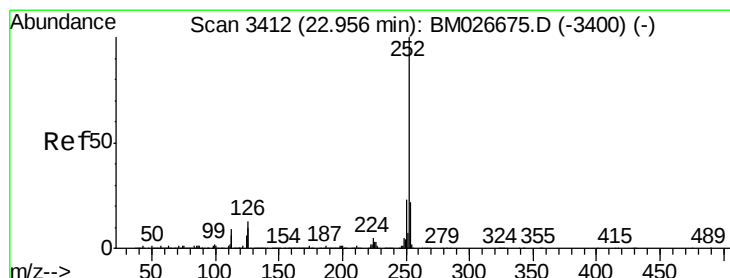
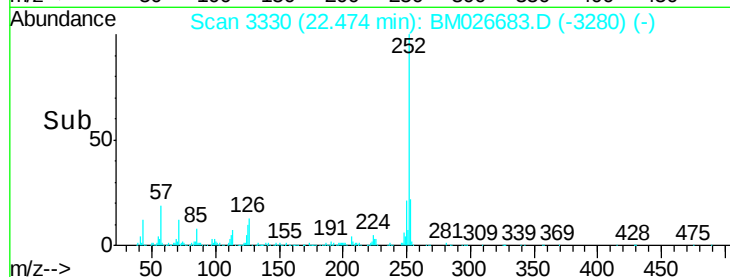
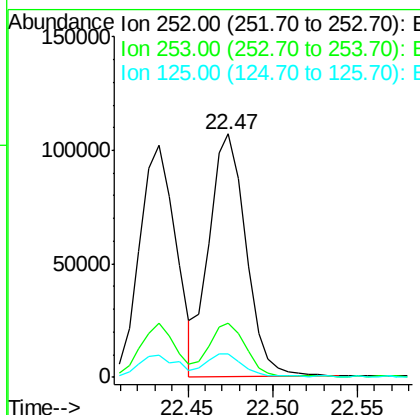
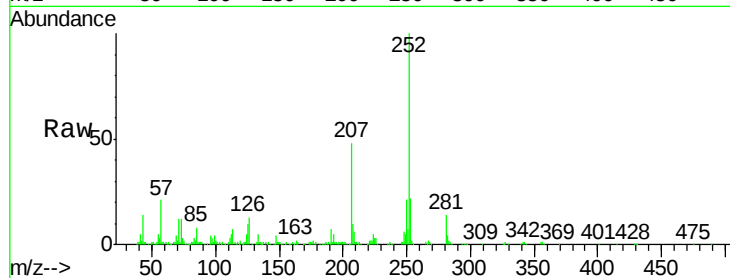




#89
Benzo(k)fluoranthene
Concen: 3.720 ng
RT: 22.47 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

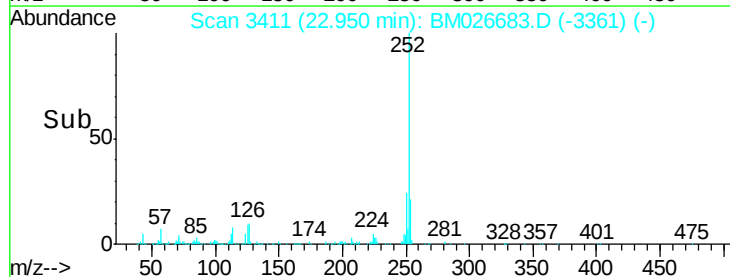
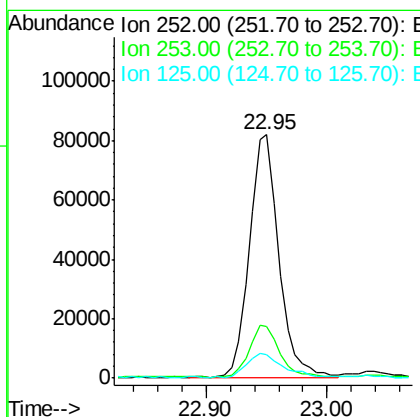
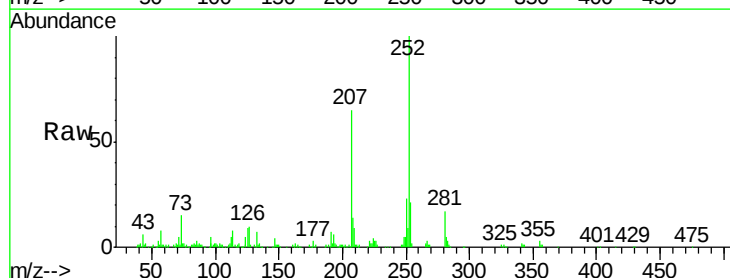
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

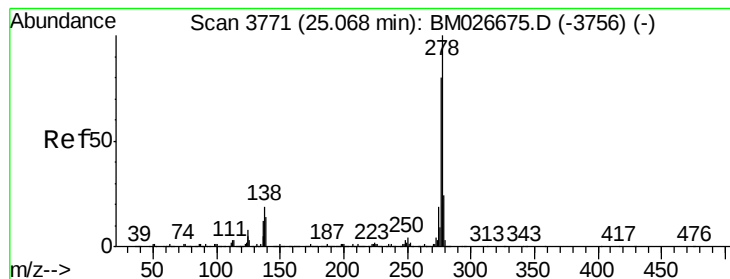
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.8	7.8	11.8



#90
Benzo(a)pyrene
Concen: 3.390 ng
RT: 22.95 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM026683.D
Acq: 07 Jul 2020 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	9.4	8.2	12.4





#91

Dibenzo(a,h)anthracene

Concen: 3.264 ng

RT: 25.05 min Scan# 3768

Delta R.T. -0.02 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

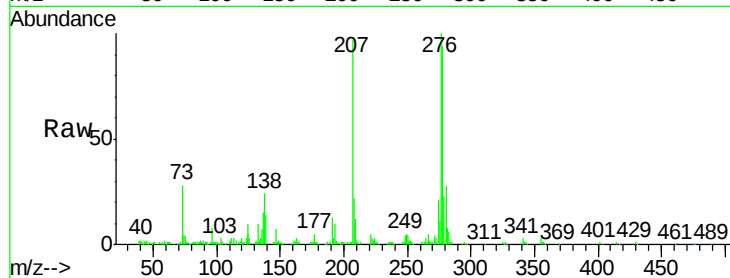
Tot Ion:278 Resp: 131936

Ion Ratio Lower Upper

278 100

139 14.5 11.2 16.8

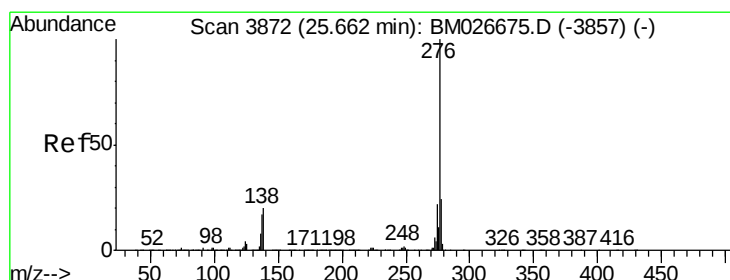
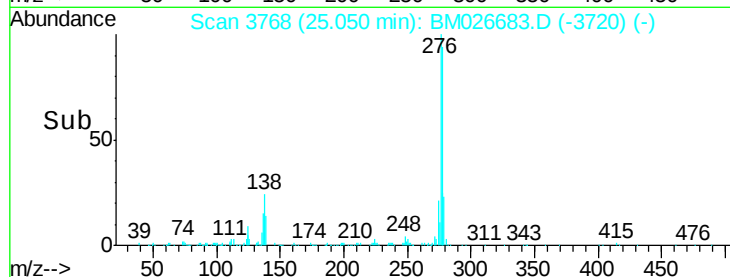
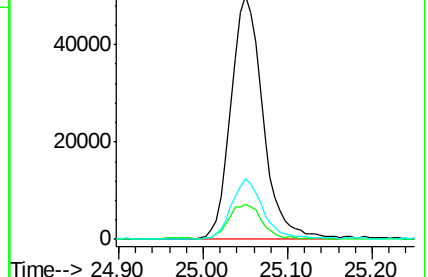
279 25.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.467 ng

RT: 25.65 min Scan# 3870

Delta R.T. -0.01 min

Lab File: BM026683.D

Acq: 07 Jul 2020 18:48

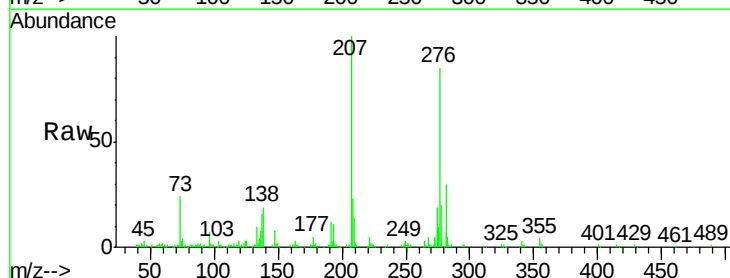
Tgt Ion:276 Resp: 129148

Ion Ratio Lower Upper

276 100

277 23.3 19.1 28.7

138 22.4 15.8 23.8



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

