

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061920\
 Data File : BM026476.D
 Acq On : 19 Jun 2020 21:30
 Operator : JU/CG
 Sample : L2182-01
 Misc : LOD-MDL-S-8PPM
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jun 20 04:55:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 20 04:14:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	99178	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	456237	20.00	ng	0.00
39) Acenaphthene-d10	14.04	164	327340	20.00	ng	0.00
64) Phenanthrene-d10	16.80	188	741595	20.00	ng	0.00
76) Chrysene-d12	21.01	240	753179	20.00	ng	0.00
86) Perylene-d12	23.10	264	728021	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	897878	160.06	ng	0.00
7) Phenol-d6	6.59	99	1377505	169.58	ng	0.00
23) Nitrobenzene-d5	8.53	82	1057691	113.83	ng	0.00
42) 2,4,6-Tribromophenol	15.55	330	783209	197.52	ng	0.00
45) 2-Fluorobiphenyl	12.66	172	2438066	113.06	ng	0.00
79) Terphenyl-d14	19.46	244	4308080	111.03	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	19724	7.799	ng	97
3) Pyridine	3.40	79	44266	5.959	ng	# 91
4) n-Nitrosodimethylamine	3.32	42	30068	8.175	ng	91
6) Aniline	6.73	93	80885	7.592	ng	94
8) 2-Chlorophenol	6.96	128	49066	7.583	ng	97
9) Benzaldehyde	6.55	77	49638	9.584	ng	99
10) Phenol	6.62	94	64534	7.460	ng	84
11) bis(2-Chloroethyl)ether	6.83	93	52070	7.473	ng	97
12) 1,3-Dichlorobenzene	7.27	146	52739	7.362	ng	97
13) 1,4-Dichlorobenzene	7.42	146	54380	7.453	ng	98
14) 1,2-Dichlorobenzene	7.73	146	53669	7.530	ng	93
15) Benzyl Alcohol	7.64	79	49774	7.216	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.92	45	105876	8.136	ng	97
17) 2-Methylphenol	7.85	107	43285	6.846	ng	99
18) Hexachloroethane	8.44	117	20353	7.365	ng	91
19) n-Nitroso-di-n-propylamine	8.20	70	53843	8.506	ng	94
20) 3+4-Methylphenols	8.17	107	59186	6.868	ng	98
22) Acetophenone	8.20	105	93213	7.945	ng	93
24) Nitrobenzene	8.57	77	78656	8.086	ng	97
25) Isophorone	9.10	82	138798	7.951	ng	99
26) 2-Nitrophenol	9.28	139	26422	6.864	ng	# 84
27) 2,4-Dimethylphenol	9.36	122	38525	6.339	ng	98
28) bis(2-Chloroethoxy)methane	9.59	93	78918	7.968	ng	98
29) 2,4-Dichlorophenol	9.82	162	46733	7.009	ng	96
30) 1,2,4-Trichlorobenzene	10.02	180	55007	7.523	ng	95
31) Naphthalene	10.19	128	176457	7.675	ng	99
32) Benzoic acid	9.46	122	9999	2.214	ng	98
33) 4-Chloroaniline	10.32	127	69466	6.927	ng	98
34) Hexachlorobutadiene	10.49	225	34880	7.556	ng	99
35) Caprolactam	11.10	113	18267	7.798	ng	98
36) 4-Chloro-3-methylphenol	11.46	107	62244	7.661	ng	98
37) 2-Methylnaphthalene	11.82	142	132918	8.113	ng	99
38) 1-Methylnaphthalene	12.05	142	129915	8.371	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.20	216	73374	7.874	ng	99

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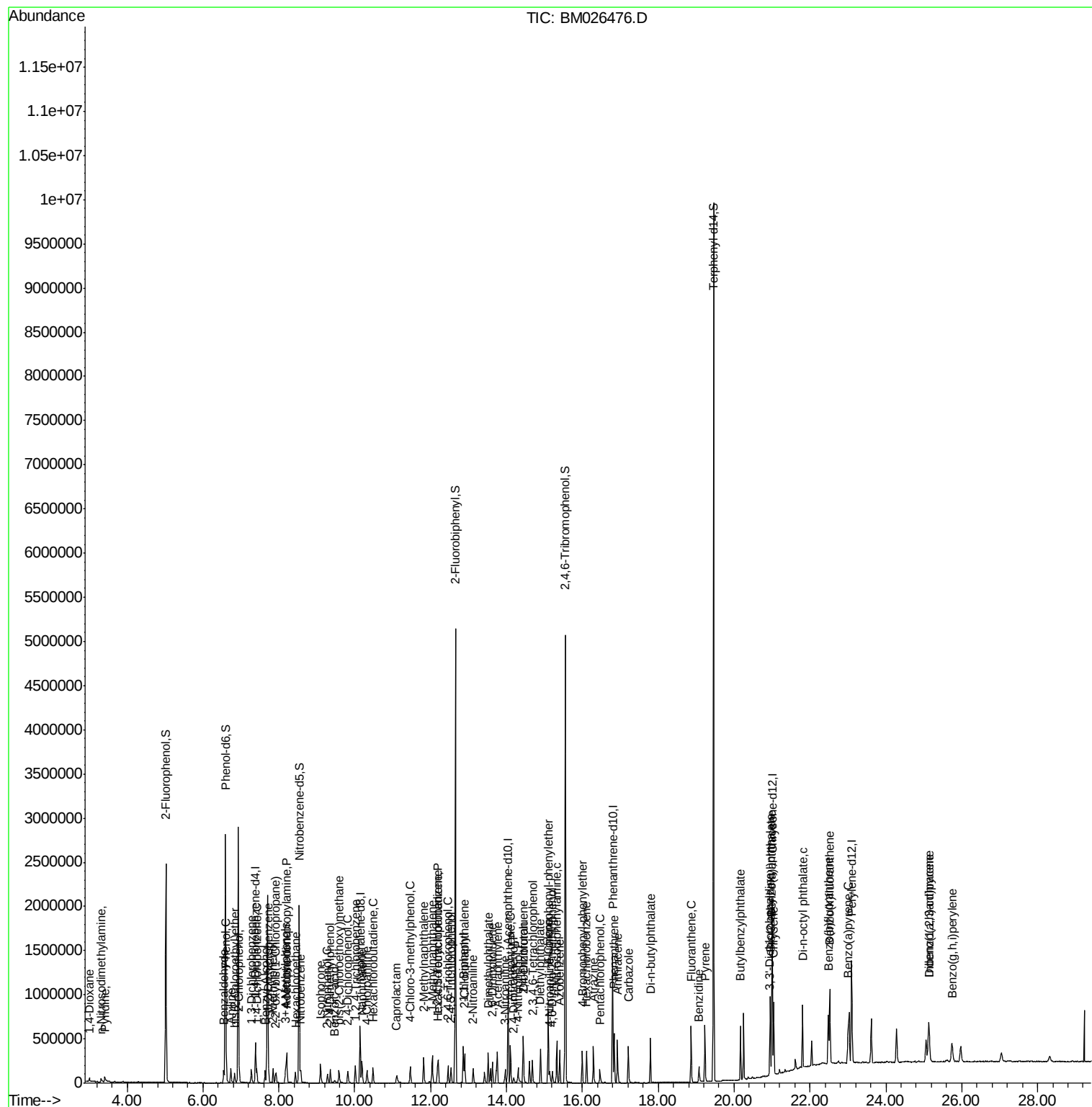
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.18	237	36564	6.659	ng	98
43) 2,4,6-Trichlorophenol	12.46	196	42546	6.746	ng	96
44) 2,4,5-Trichlorophenol	12.54	196	47326	6.465	ng	98
46) 1,1'-Biphenyl	12.86	154	188695	8.222	ng	99
47) 2-Chloronaphthalene	12.90	162	135435	7.266	ng	98
48) 2-Nitroaniline	13.12	65	47250	6.396	ng	94
49) Acenaphthylene	13.76	152	221952	7.444	ng	99
50) Dimethylphthalate	13.52	163	184777	7.718	ng	99
51) 2,6-Dinitrotoluene	13.63	165	39381	7.496	ng	94
52) Acenaphthene	14.10	154	134335	7.505	ng	97
53) 3-Nitroaniline	13.97	138	33469	5.721	ng	97
54) 2,4-Dinitrophenol	14.19	184	12330	3.861	ng	# 88
55) Dibenzofuran	14.44	168	222734	7.723	ng	98
56) 4-Nitrophenol	14.30	139	48412	10.435	ng	93
57) 2,4-Dinitrotoluene	14.43	165	52746	7.221	ng	# 86
58) Fluorene	15.10	166	180150	7.691	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.69	232	47127	7.526	ng	98
60) Diethylphthalate	14.90	149	189875	7.786	ng	99
61) 4-Chlorophenyl-phenylether	15.10	204	93505	7.526	ng	98
62) 4-Nitroaniline	15.14	138	35592	5.705	ng	96
63) Azobenzene	15.40	77	207488	7.776	ng	98
65) 4,6-Dinitro-2-methylphenol	15.21	198	25399	5.632	ng	92
66) n-Nitrosodiphenylamine	15.33	169	159441	7.422	ng	99
67) 4-Bromophenyl-phenylether	16.00	248	57270	7.015	ng	98
68) Hexachlorobenzene	16.11	284	64400	7.560	ng	98
69) Atrazine	16.29	200	62580	9.750	ng	98
70) Pentachlorophenol	16.47	266	28899	5.633	ng	92
71) Phenanthrene	16.84	178	296673	7.682	ng	100
72) Anthracene	16.93	178	288931	7.496	ng	99
73) Carbazole	17.21	167	255071	6.979	ng	99
74) Di-n-butylphthalate	17.79	149	310090	7.194	ng	98
75) Fluoranthene	18.87	202	347315	7.844	ng	98
77) Benzidine	19.07	184	112502	7.191	ng	99
78) Pyrene	19.23	202	364574	7.326	ng	100
80) Butylbenzylphthalate	20.17	149	139412	6.928	ng	100
81) Benzo(a)anthracene	20.99	228	363610	8.043	ng	100
82) 3,3'-Dichlorobenzidine	20.94	252	130417	9.324	ng	98
83) Chrysene	21.04	228	352100	8.173	ng	99
84) Bis(2-ethylhexyl)phthalate	20.96	149	217181	7.569	ng	100
85) Di-n-octyl phthalate	21.80	149	346934	7.838	ng	96
87) Indeno(1,2,3-cd)pyrene	25.13	276	307252	7.296	ng	99
88) Benzo(b)fluoranthene	22.49	252	329235	7.518	ng	99
89) Benzo(k)fluoranthene	22.53	252	339877	7.988	ng	98
90) Benzo(a)pyrene	23.01	252	284923	7.325	ng	99
91) Dibenzo(a,h)anthracene	25.14	278	259758	7.388	ng	99
92) Benzo(g,h,i)perylene	25.75	276	251192	7.508	ng	99

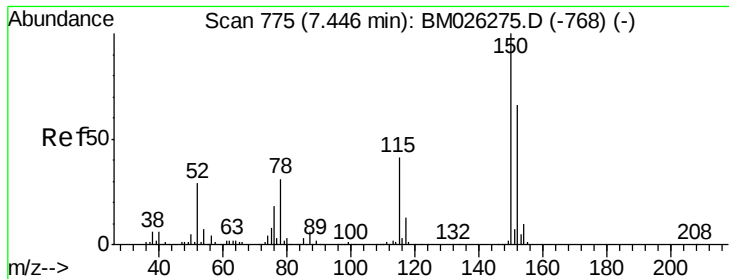
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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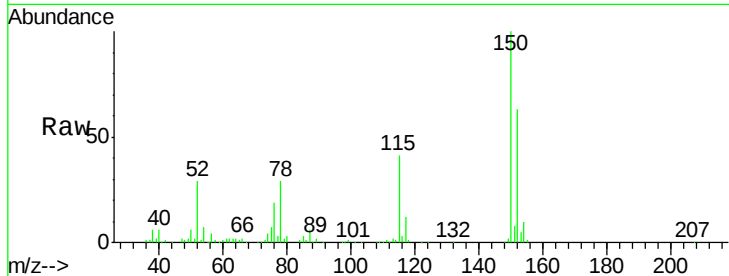


#1

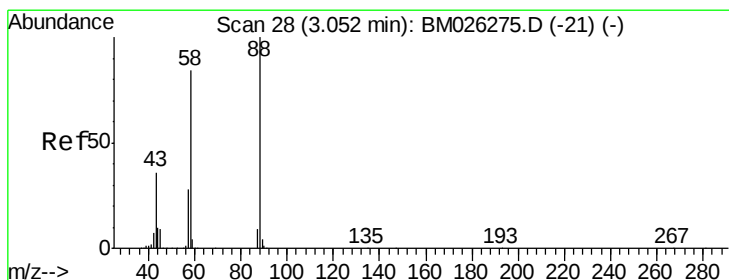
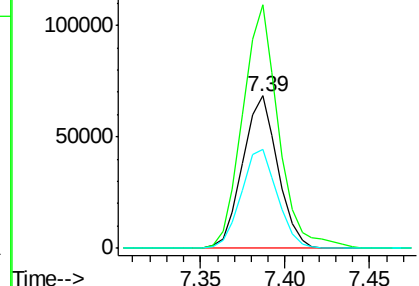
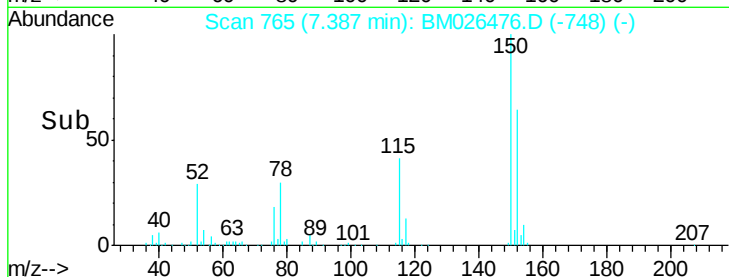
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 765
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

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

Tot Ion:152 Resp: 99178
Ion Ratio Lower Upper
152 100
150 159.7 127.8 191.6
115 64.7 51.5 77.3



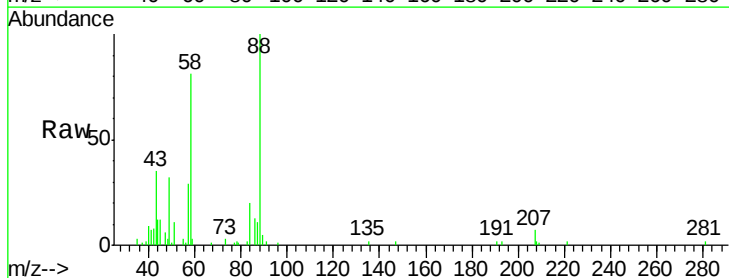
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



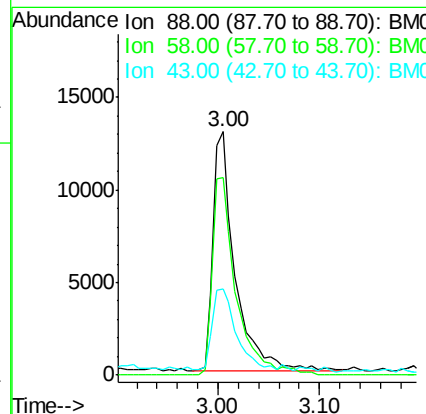
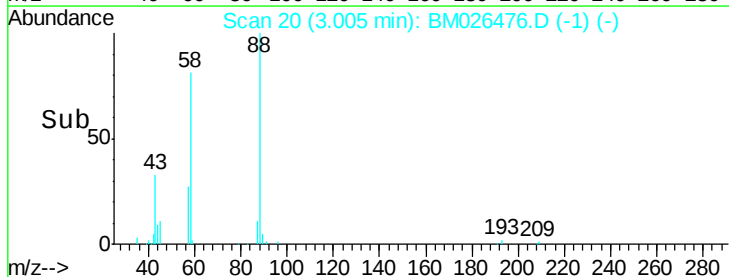
#2

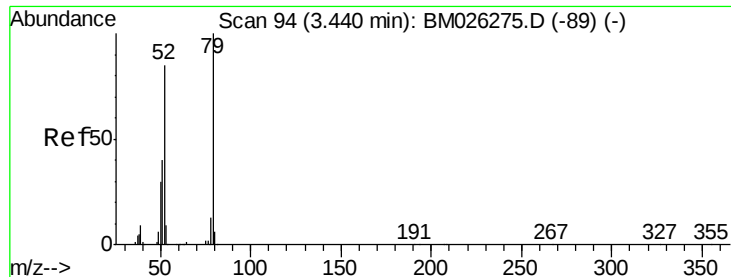
1,4-Dioxane
Concen: 7.799 ng
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion: 88 Resp: 19724
Ion Ratio Lower Upper
88 100
58 87.8 67.7 101.5
43 36.3 28.0 42.0



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

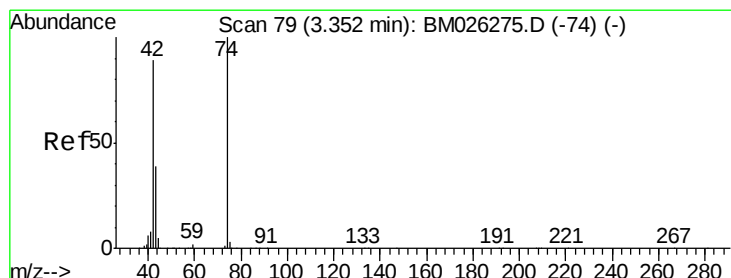
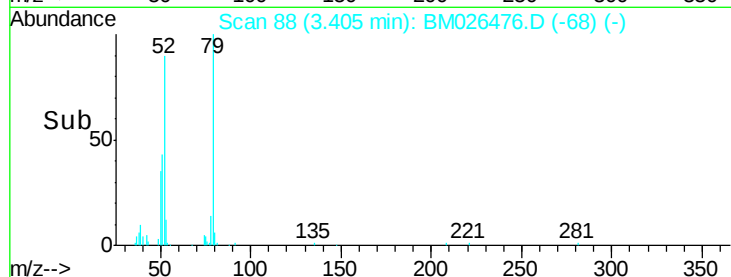
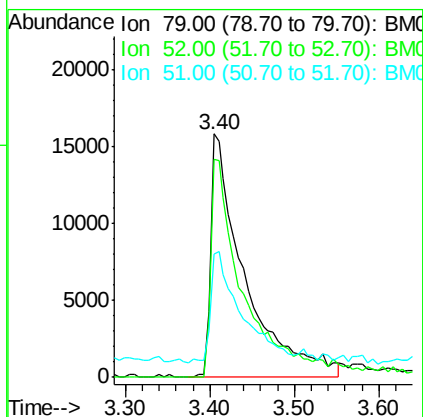
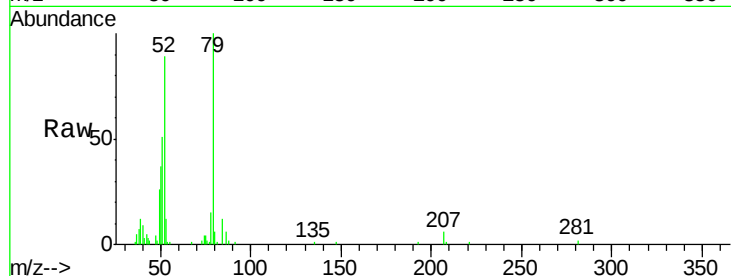




#3
 Pvridine
 Concen: 5.959 ng
 RT: 3.40 min Scan# 88
 Delta R.T. 0.02 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

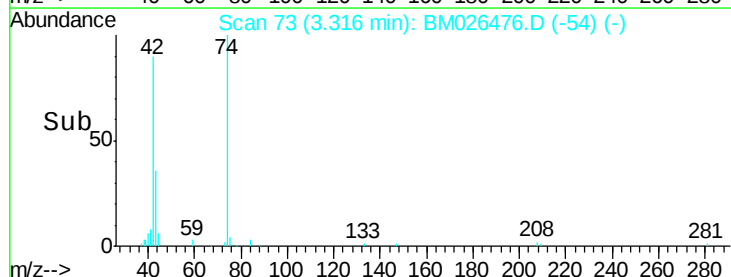
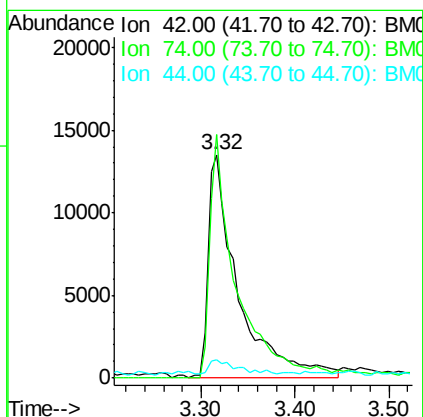
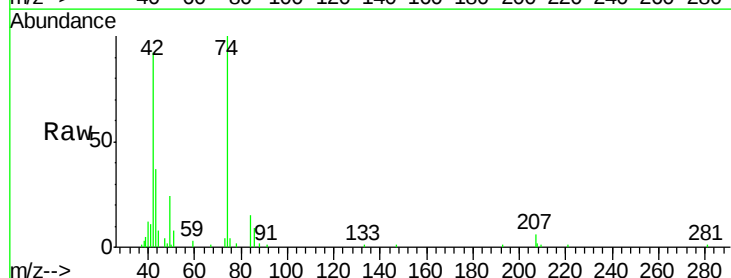
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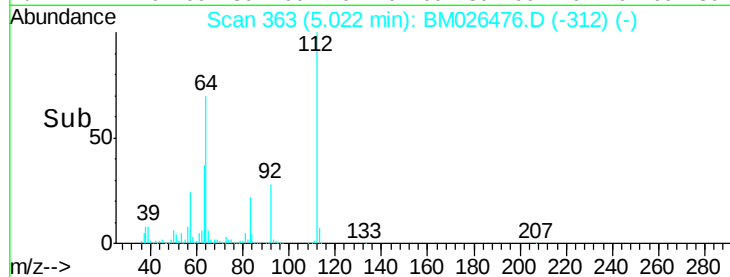
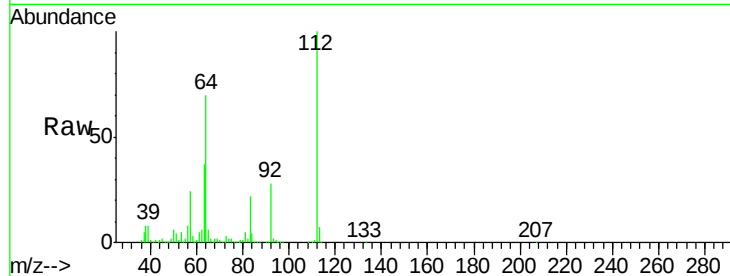
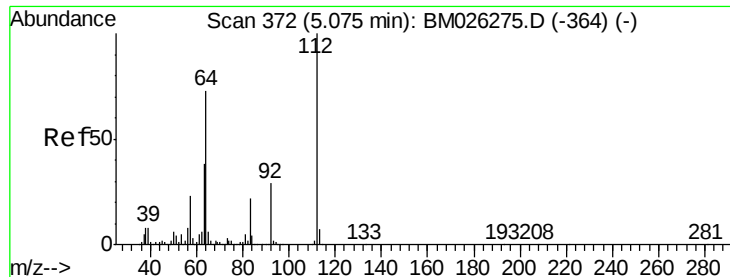
Tot Ion: 79 Resp: 44266
 Ion Ratio Lower Upper
 79 100
 52 89.5 67.4 101.2
 51 50.9 33.0 49.6#



#4
 n-Nitrosodimethylamine
 Concen: 8.175 ng
 RT: 3.32 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

Tgt Ion: 42 Resp: 30068
 Ion Ratio Lower Upper
 42 100
 74 108.9 95.4 143.2
 44 8.3 5.9 8.9





#5

2-Fluorophenol

Concen: 160.064 ng

RT: 5.02 min Scan# 363

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

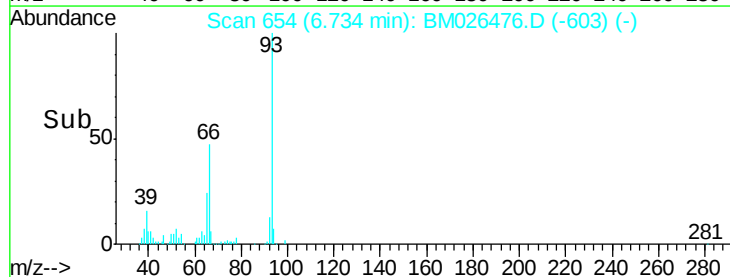
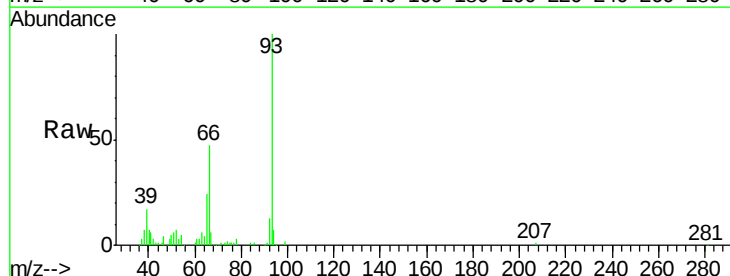
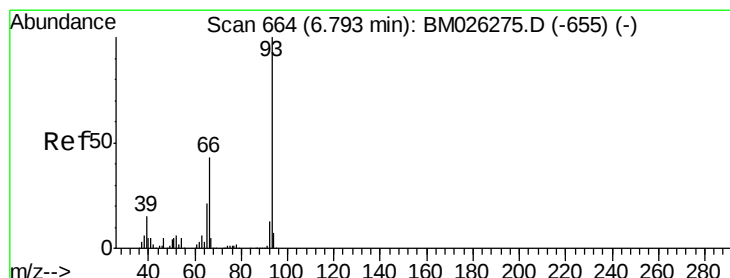
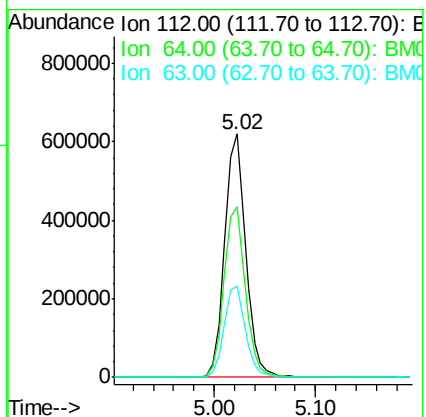
Tot Ion:112 Resp: 897878

Ion Ratio Lower Upper

112 100

64 70.0 56.0 84.0

63 37.5 29.0 43.6



#6

Aniline

Concen: 7.592 ng

RT: 6.73 min Scan# 654

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

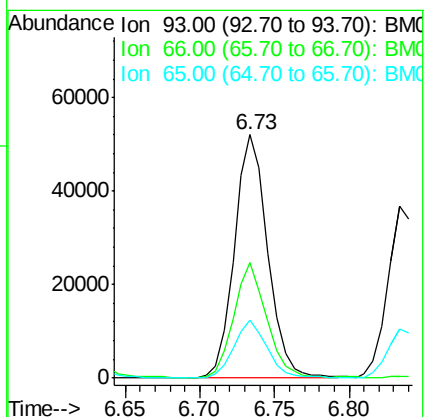
Tgt Ion: 93 Resp: 80885

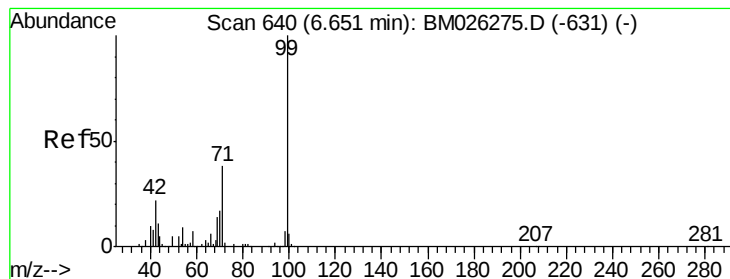
Ion Ratio Lower Upper

93 100

66 47.2 34.1 51.1

65 23.6 17.5 26.3





#7

Phenol-d6

Concen: 169.584 ng

RT: 6.59 min Scan# 630

Delta R.T. -0.01 min

Lab File: BM026476.D

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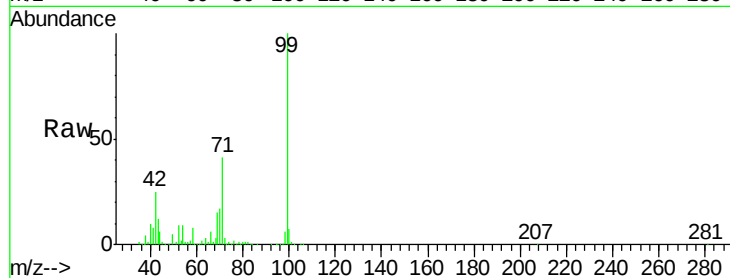
Tot Ion: 99 Resp: 1377505

Ion Ratio Lower Upper

99 100

42 24.5 17.8 26.6

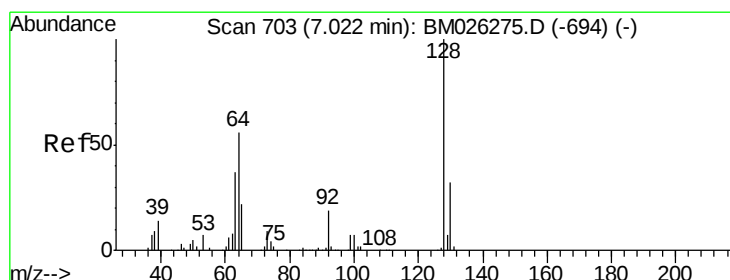
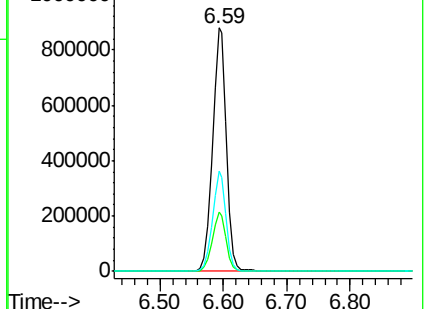
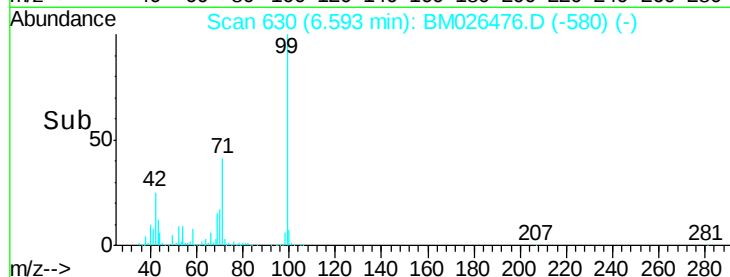
71 40.9 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BM026476.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026476.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026476.D (-631) (-)



#8

2-Chlorophenol

Concen: 7.583 ng

RT: 6.96 min Scan# 692

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

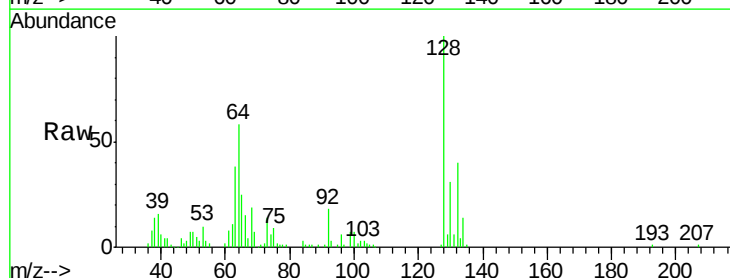
Tgt Ion:128 Resp: 49066

Ion Ratio Lower Upper

128 100

130 30.5 12.3 52.3

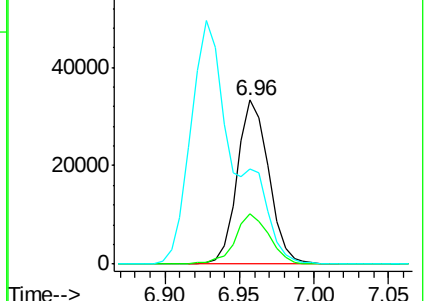
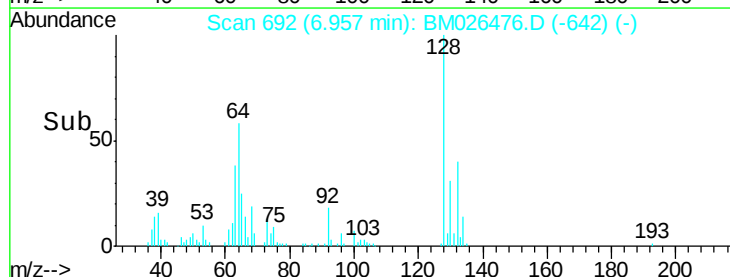
64 58.4 36.4 76.4

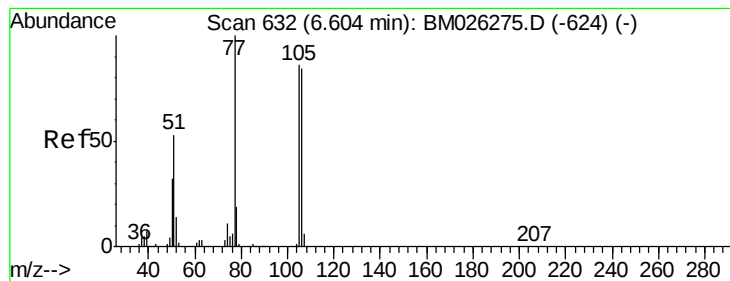


Abundance Ion 128.00 (127.70 to 128.70): BM026476.D (-694) (-)

Ion 130.00 (129.70 to 130.70): BM026476.D (-694) (-)

Ion 64.00 (63.70 to 64.70): BM026476.D (-694) (-)





#9

Benzaldehyde

Concen: 9.584 ng

RT: 6.55 min Scan# 622

Delta R.T. 0.00 min

Lab File: BM026476.D

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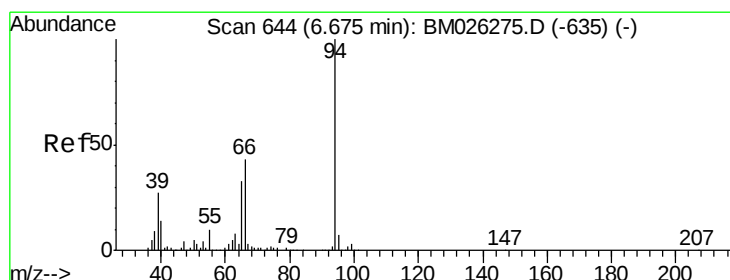
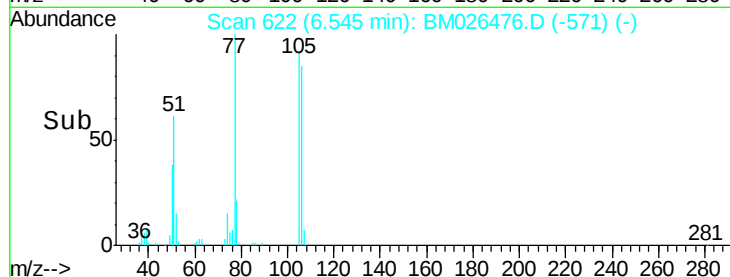
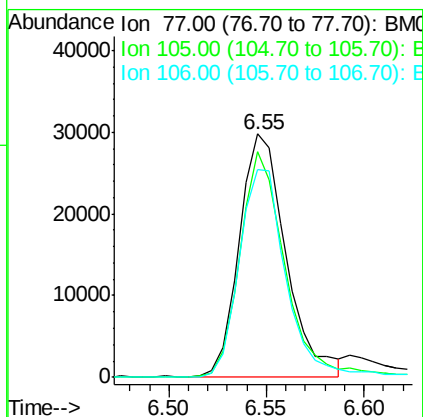
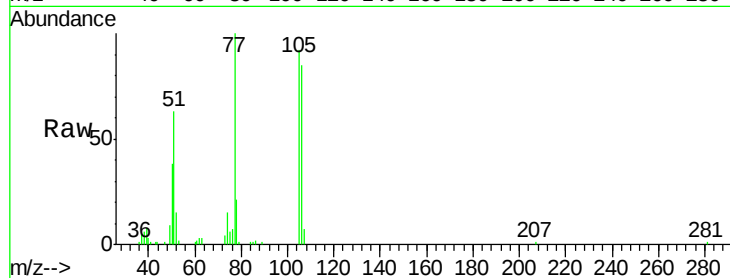
Tot Ion: 77 Resp: 49638

Ion Ratio Lower Upper

77 100

105 92.5 71.5 111.5

106 85.4 64.7 104.7



#10

Phenol

Concen: 7.460 ng

RT: 6.62 min Scan# 634

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

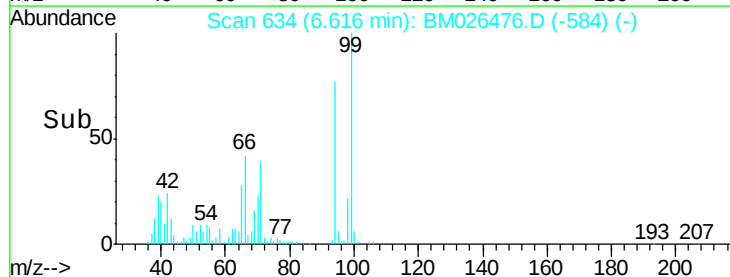
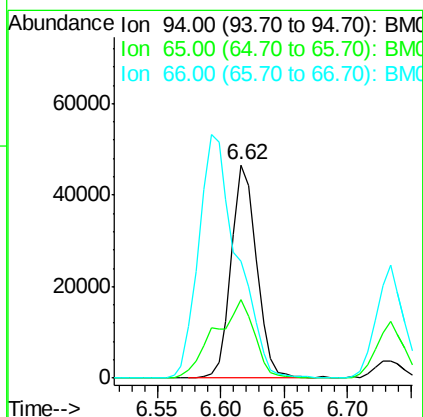
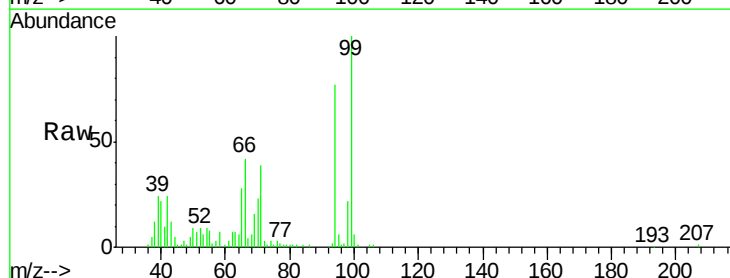
Tgt Ion: 94 Resp: 64534

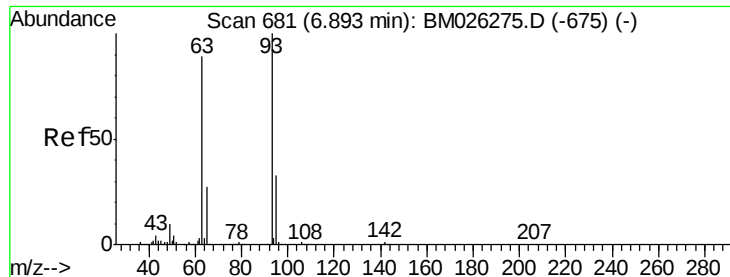
Ion Ratio Lower Upper

94 100

65 36.7 11.4 51.4

66 54.8 21.7 61.7

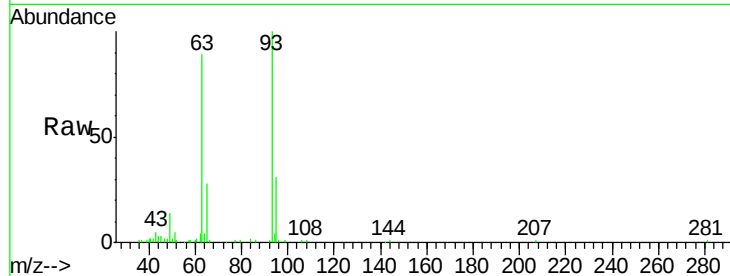




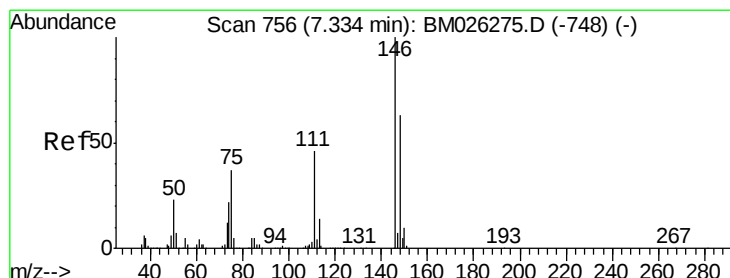
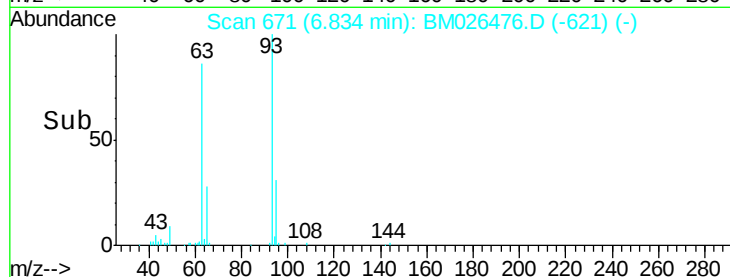
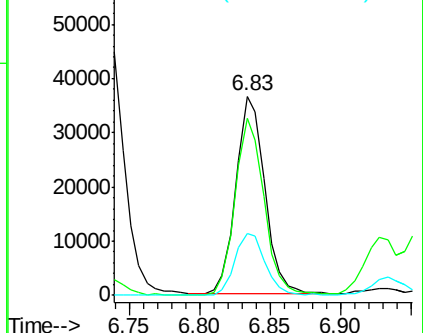
#11
bis(2-Chloroethyl)ether
Concen: 7.473 ng
RT: 6.83 min Scan# 671
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

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

Tot Ion: 93 Resp: 52070
Ion Ratio Lower Upper
93 100
63 88.8 66.7 106.7
95 30.8 14.5 54.5

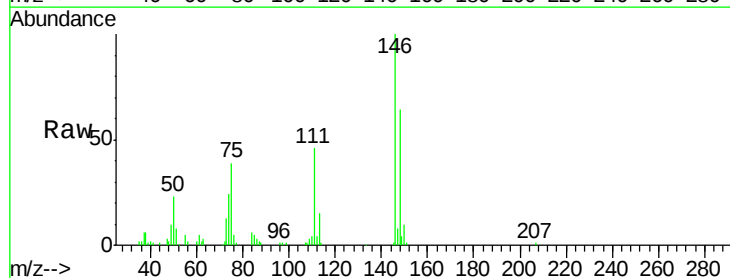


Abundance Ion 93.00 (92.70 to 93.70): BM0
Ion 63.00 (62.70 to 63.70): BM0
Ion 95.00 (94.70 to 95.70): BM0

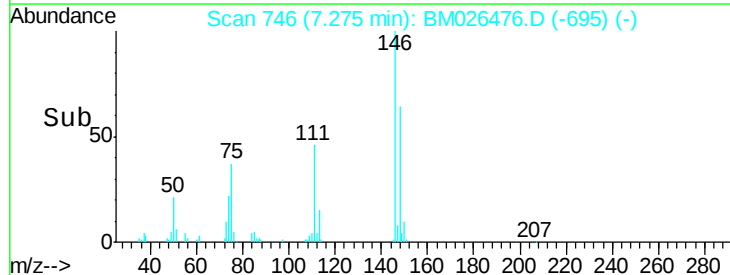
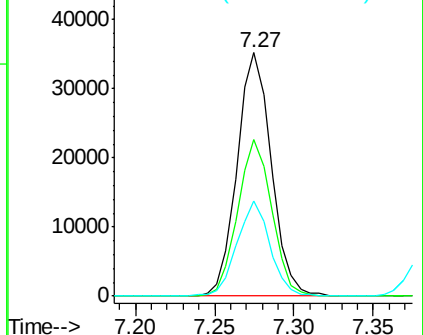


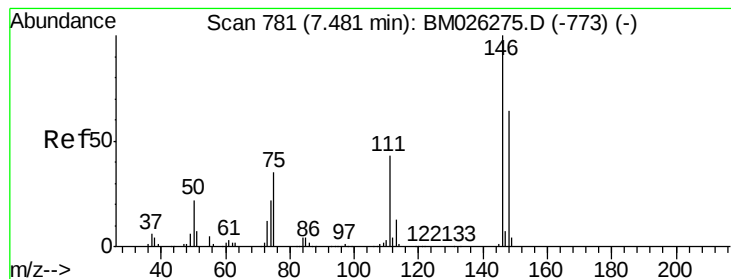
#12
1,3-Dichlorobenzene
Concen: 7.362 ng
RT: 7.27 min Scan# 746
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion: 146 Resp: 52739
Ion Ratio Lower Upper
146 100
148 64.4 50.3 75.5
75 39.0 29.0 43.6



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BM0





#13

1,4-Dichlorobenzene

Concen: 7.453 ng

RT: 7.42 min Scan# 771

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

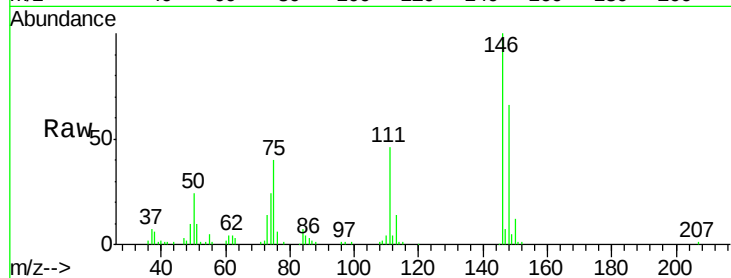
Tot Ion:146 Resp: 54380

Ion Ratio Lower Upper

146 100

148 66.4 52.2 78.2

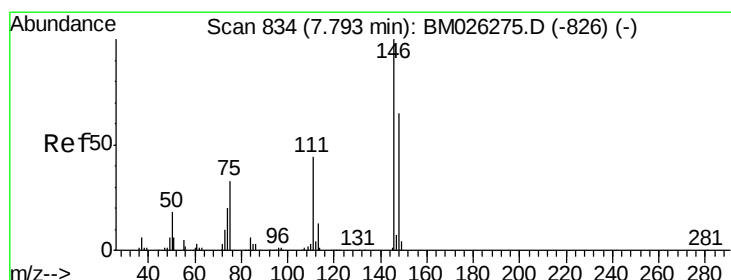
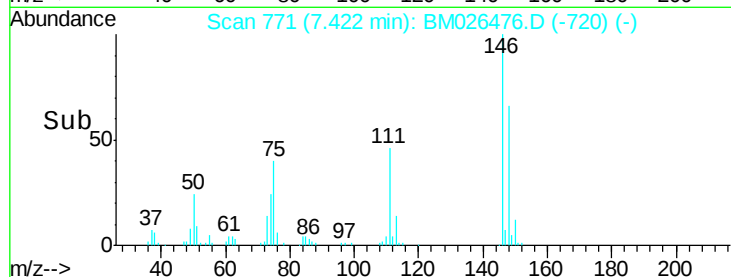
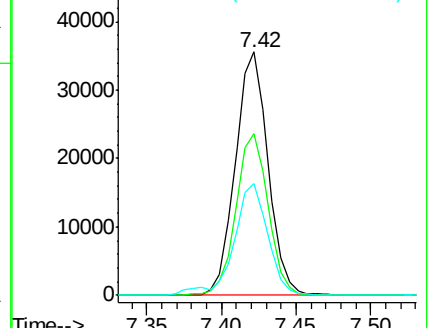
111 45.8 34.9 52.3



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: 7.530 ng

RT: 7.73 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

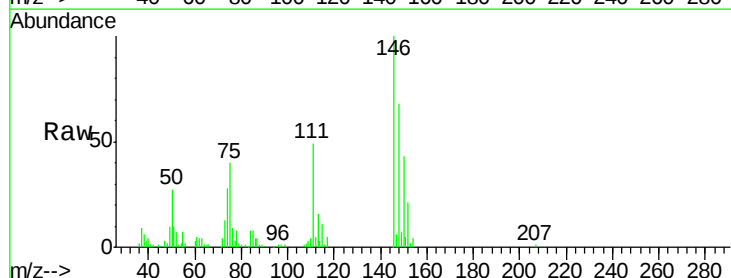
Tgt Ion:146 Resp: 53669

Ion Ratio Lower Upper

146 100

148 68.3 50.8 76.2

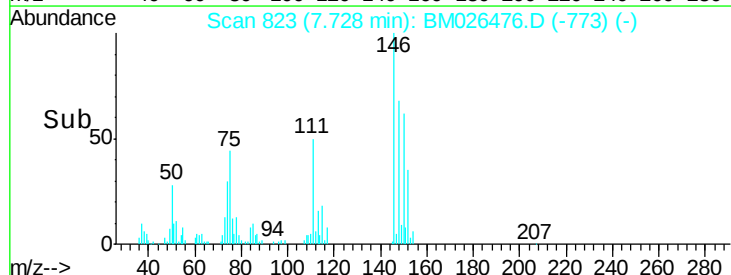
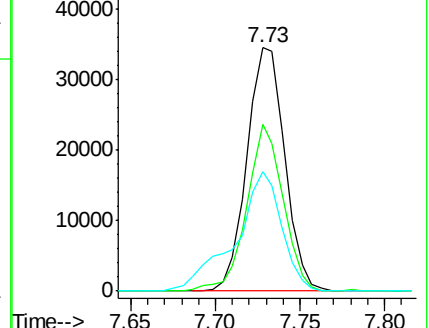
111 48.9 35.4 53.0

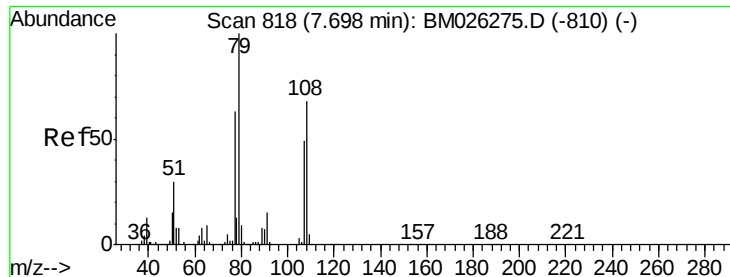


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.216 ng

RT: 7.64 min Scan# 808

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

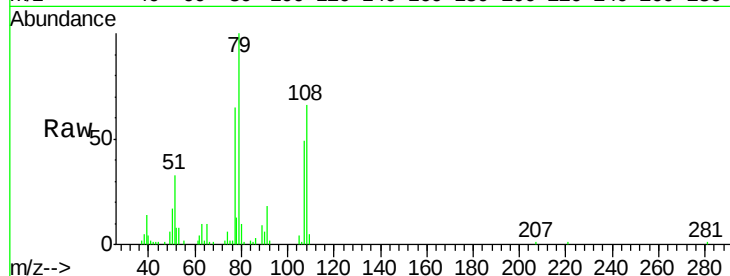
Tot Ion: 79 Resp: 49774

Ion Ratio Lower Upper

79 100

108 66.3 54.6 82.0

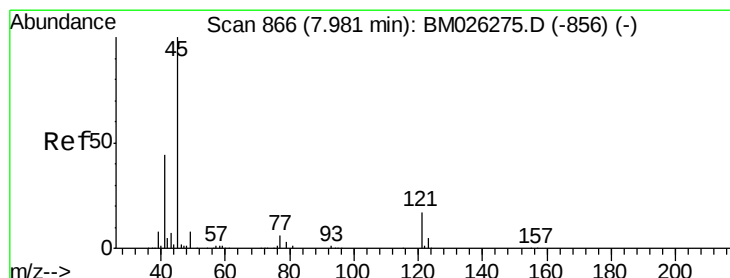
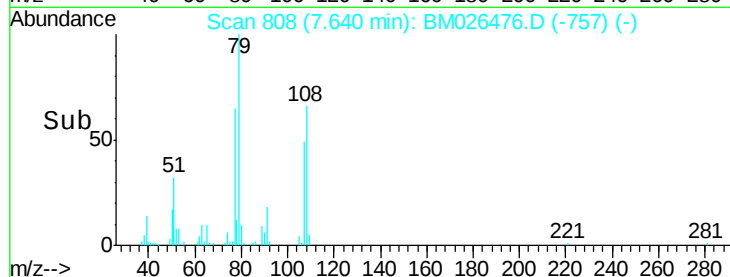
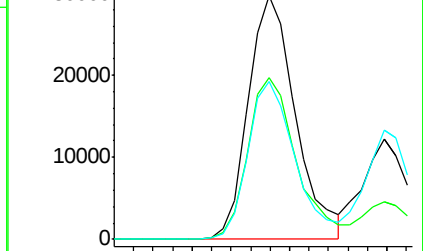
77 65.0 51.0 76.4



Abundance Ion 79.00 (78.70 to 79.70): BM026476.D (-757) (-)

Ion 108.00 (107.70 to 108.70): BM026476.D (-757) (-)

Ion 77.00 (76.70 to 77.70): BM026476.D (-757) (-)



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.136 ng

RT: 7.92 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

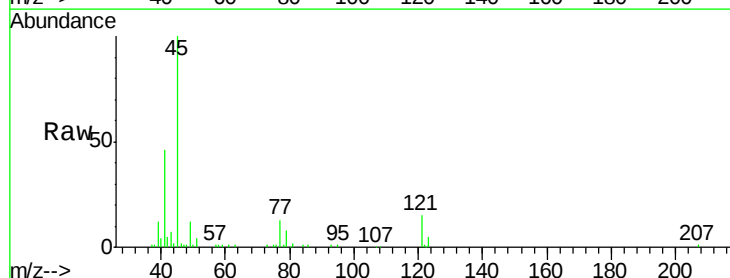
Tgt Ion: 45 Resp: 105876

Ion Ratio Lower Upper

45 100

77 13.1 0.0 31.8

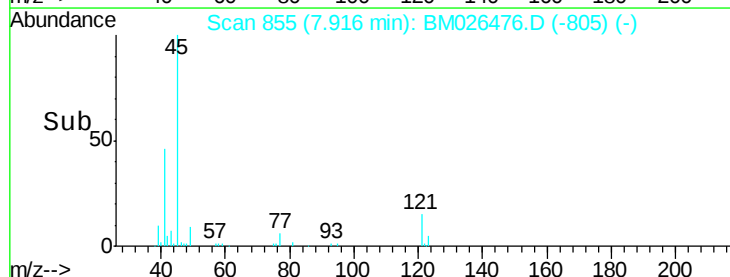
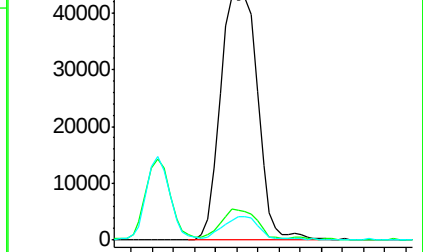
79 8.1 0.0 28.9

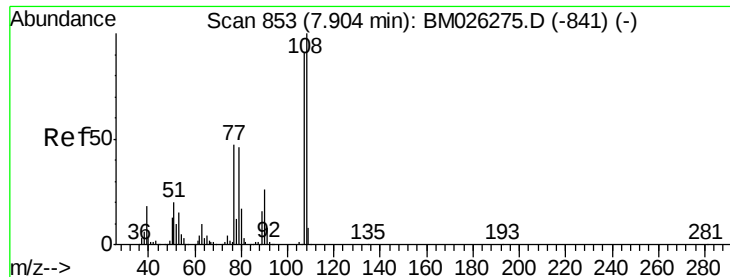


Abundance Ion 45.00 (44.70 to 45.70): BM026476.D (-805) (-)

Ion 77.00 (76.70 to 77.70): BM026476.D (-805) (-)

Ion 79.00 (78.70 to 79.70): BM026476.D (-805) (-)

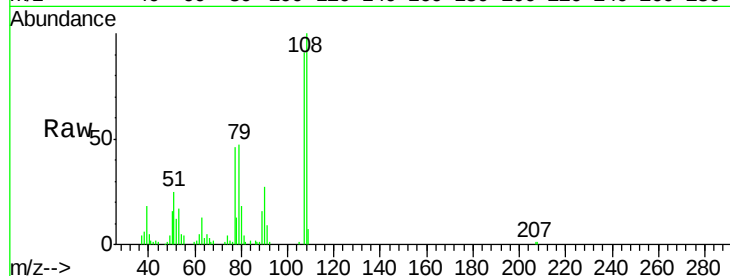




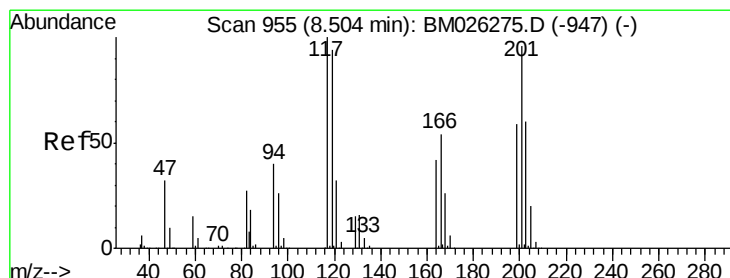
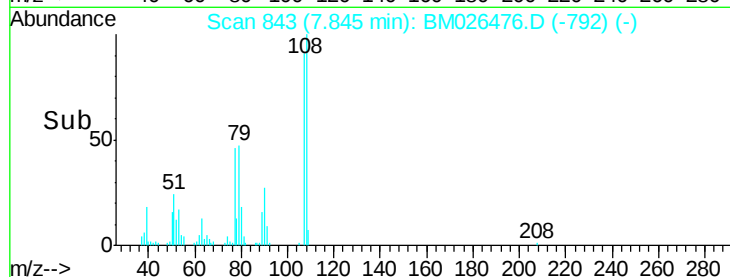
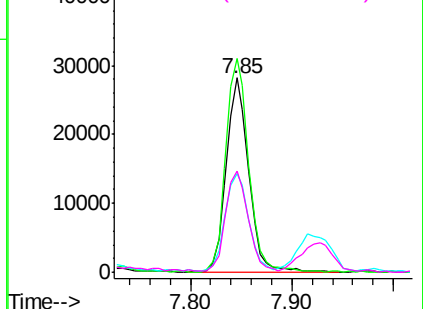
#17
2-Methylphenol
Concen: 6.846 ng
RT: 7.85 min Scan# 843
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

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

Tot Ion:	107	Resp:	43285
Ion	Ratio	Lower	Upper
107	100		
108	109.8	88.5	132.7
77	50.6	40.6	60.8
79	52.0	39.6	59.4

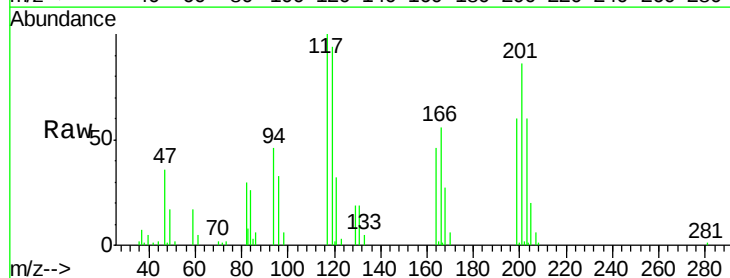


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

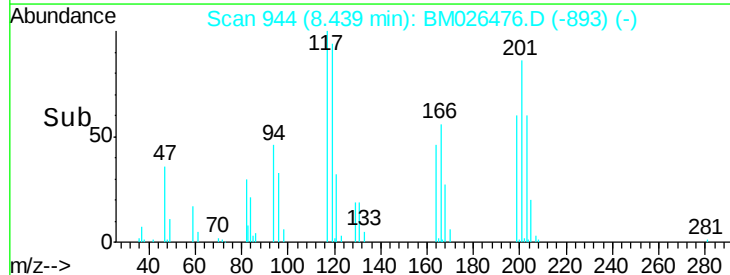
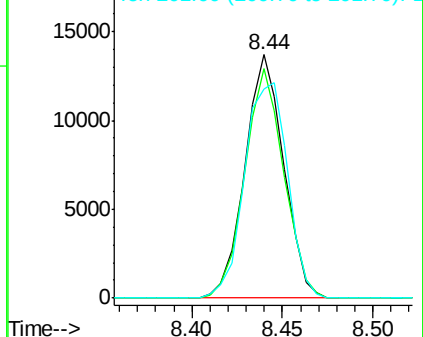


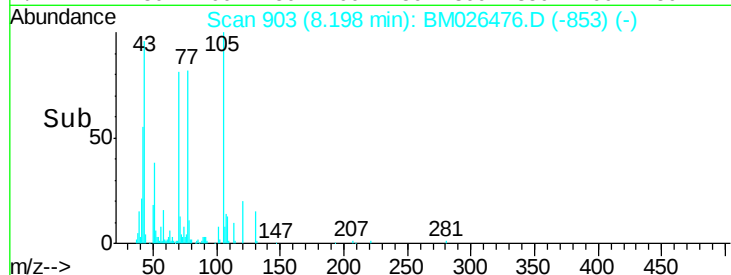
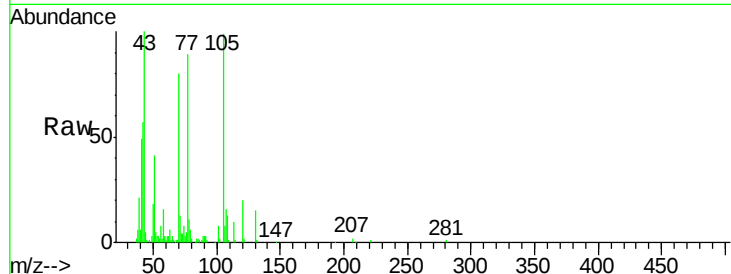
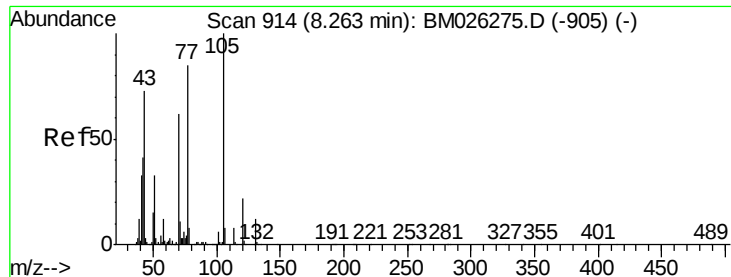
#18
Hexachloroethane
Concen: 7.365 ng
RT: 8.44 min Scan# 944
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:	117	Resp:	20353
Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.8	116.6
201	85.9	79.9	119.9



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

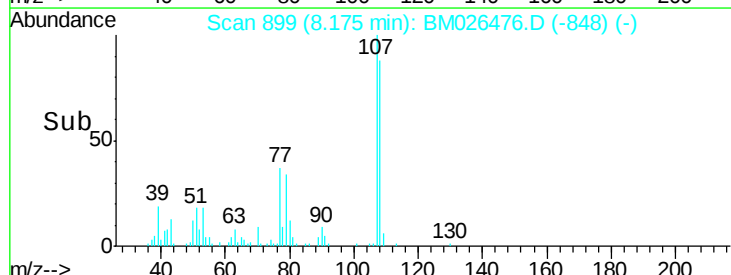
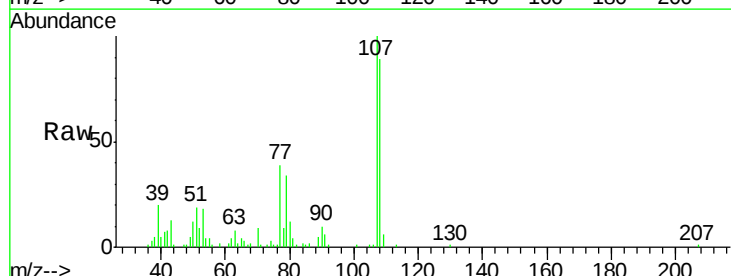
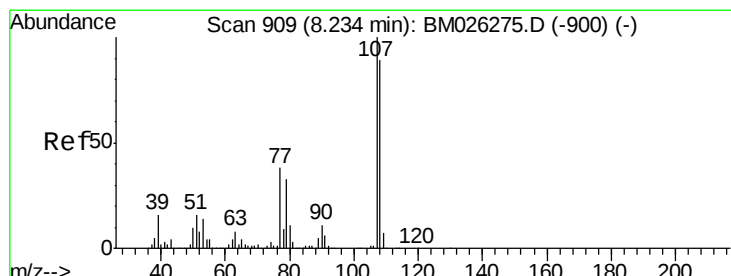
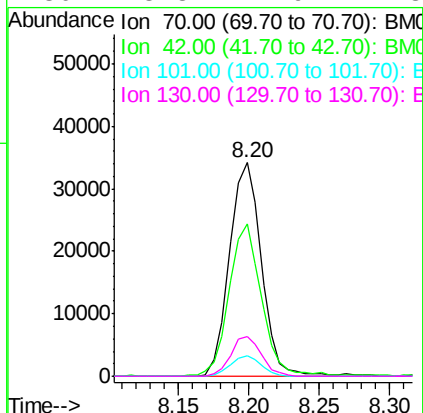




#19
n-Nitroso-di-n-propylamine
Concen: 8.506 ng
RT: 8.20 min Scan# 903
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

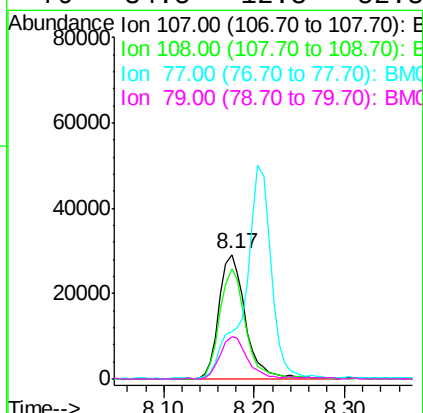
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

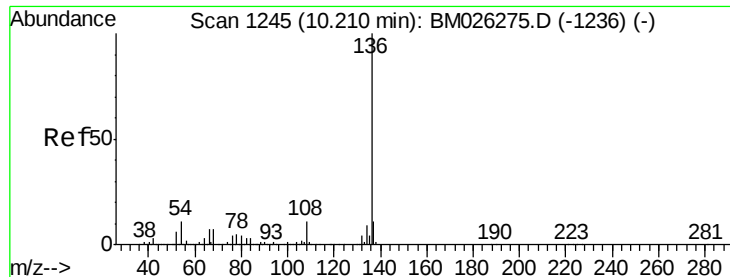
Tot Ion:	70	Resp:	53843
Ion	Ratio	Lower	Upper
70	100		
42	71.3	52.2	78.4
101	9.7	7.0	10.6
130	18.8	14.9	22.3



#20
3+4-Methylphenols
Concen: 6.868 ng
RT: 8.17 min Scan# 899
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:	107	Resp:	59186
Ion	Ratio	Lower	Upper
107	100		
108	88.8	70.4	110.4
77	38.5	17.3	57.3
79	34.5	12.3	52.3

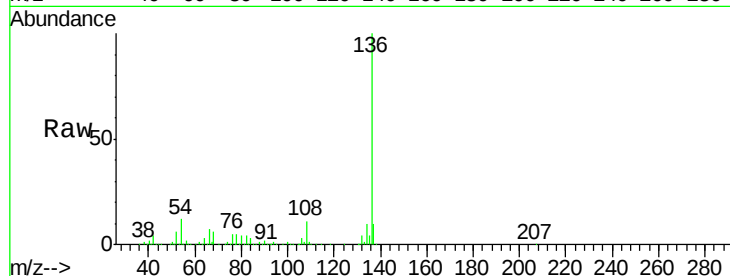




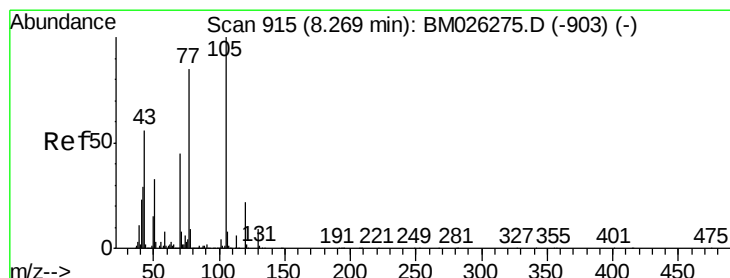
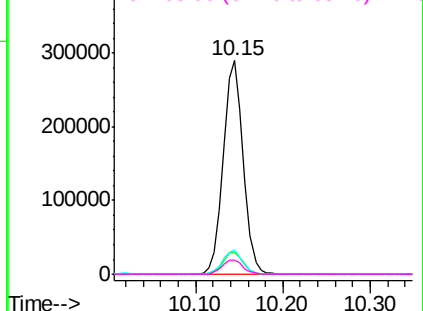
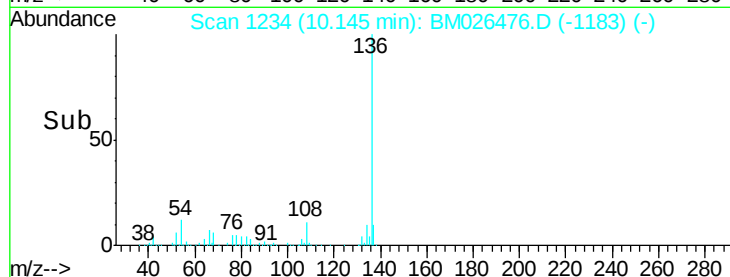
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.15 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

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

Tot Ion:136	Resp:	456237
Ion Ratio	Lower	Upper
136 100		
137 10.3	8.5	12.7
54 11.5	9.0	13.6
68 6.3	5.6	8.4

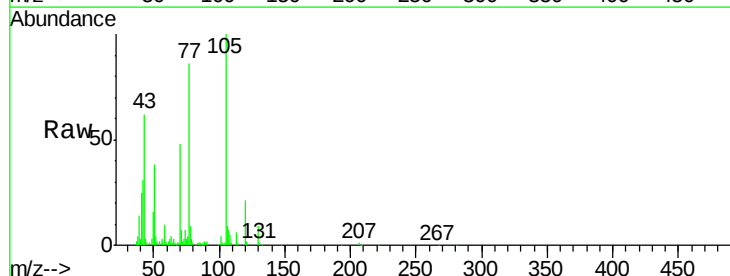


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BM0
Ion 68.00 (67.70 to 68.70): BM0

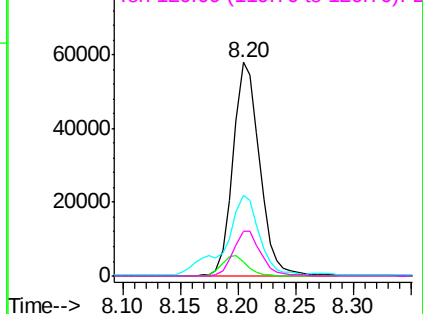
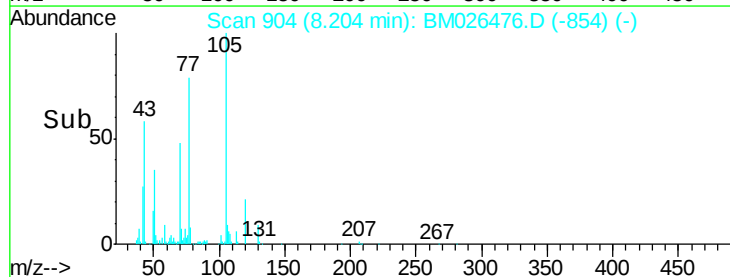


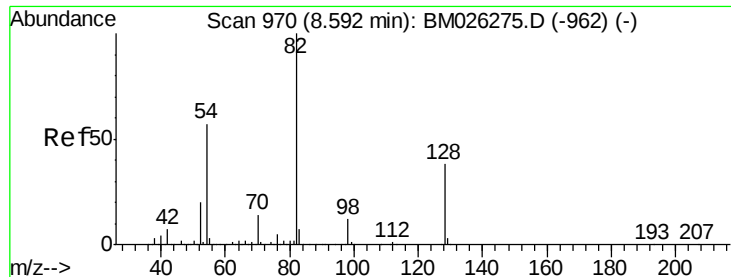
#22
Acetophenone
Concen: 7.945 ng
RT: 8.20 min Scan# 904
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt	Ion:105	Resp:	93213
Ion	Ratio	Lower	Upper
105	100		
71	6.7	4.5	6.7
51	37.8	25.2	37.8
120	21.1	17.0	25.6



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



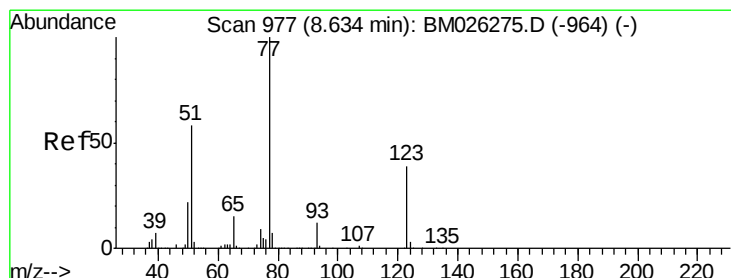
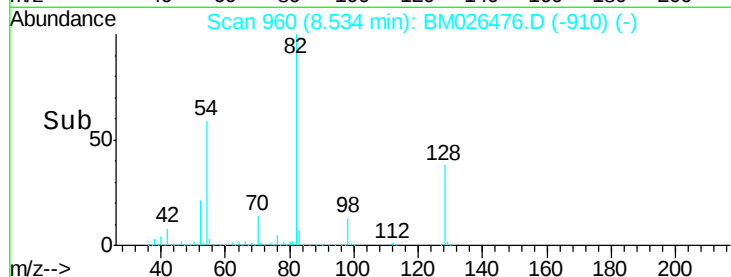
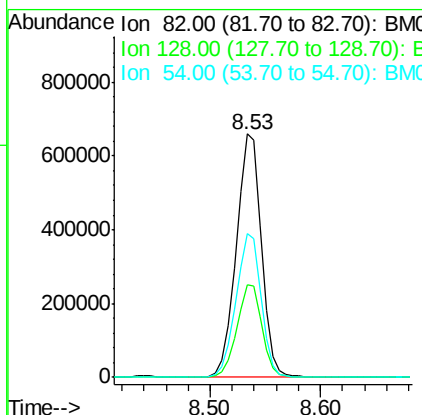
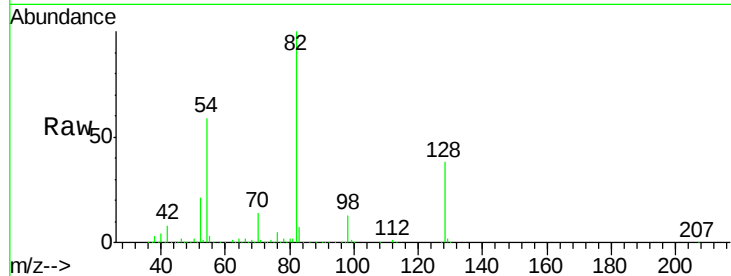


#23
 Nitrobenzene-d5
 Concen: 113.828 ng
 RT: 8.53 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

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

Tot Ion: 82 Resp: 1057691

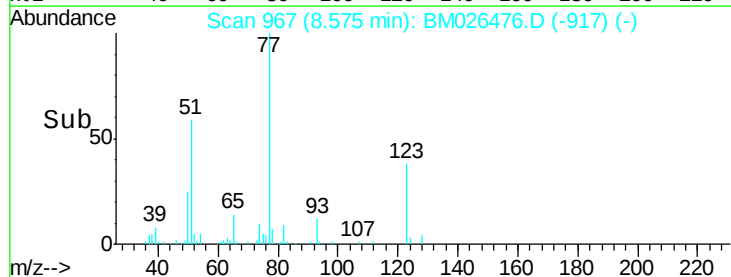
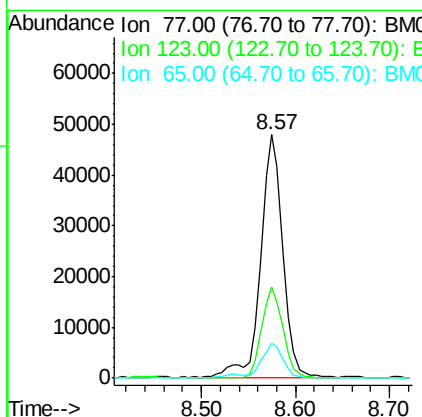
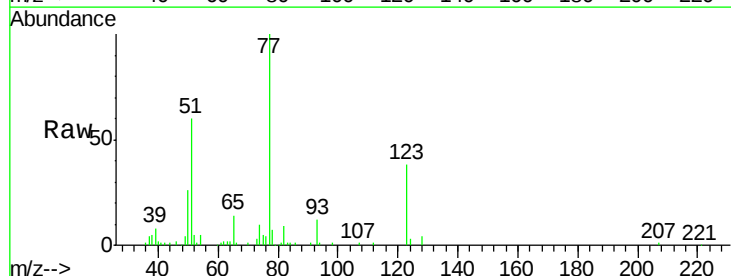
Ion	Ratio	Lower	Upper
82	100		
128	38.2	31.0	46.6
54	59.3	45.4	68.2

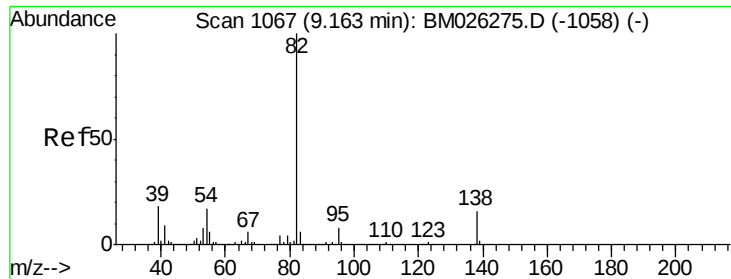


#24
 Nitrobenzene
 Concen: 8.086 ng
 RT: 8.57 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

Tgt Ion: 77 Resp: 78656

Ion	Ratio	Lower	Upper
77	100		
123	37.7	32.0	48.0
65	14.3	11.8	17.8





#25

Isophorone

Concen: 7.951 ng

RT: 9.10 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

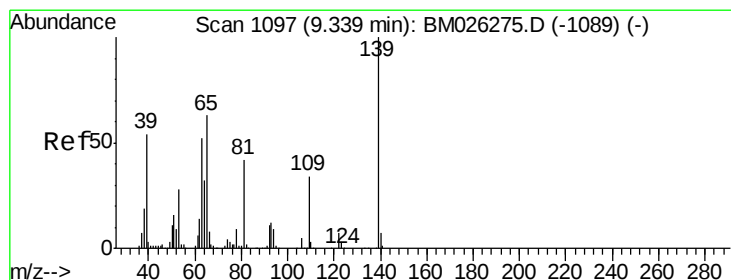
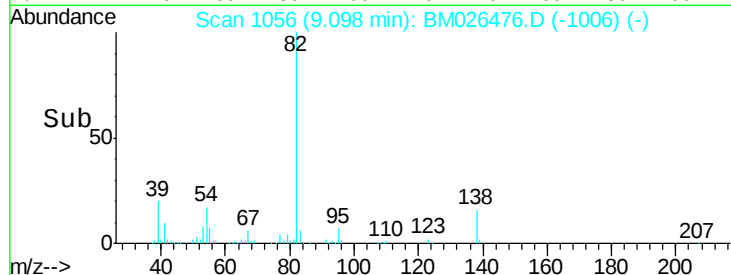
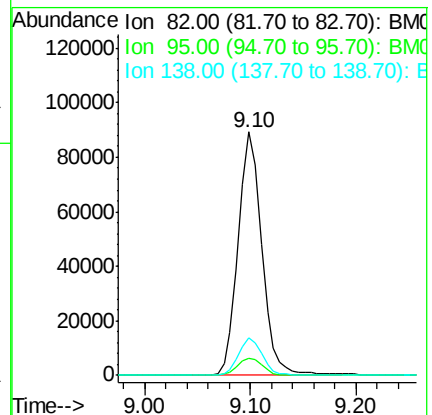
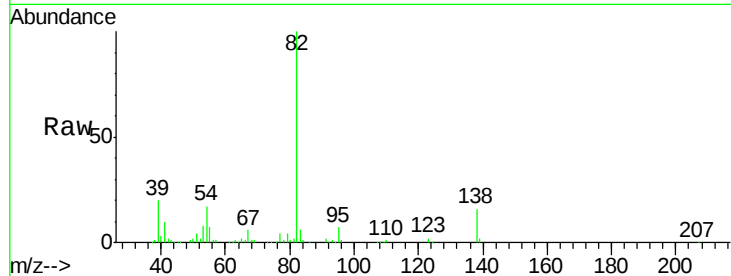
Tot Ion: 82 Resp: 138798

Ion Ratio Lower Upper

82 100

95 7.2 6.0 9.0

138 15.6 12.7 19.1



#26

2-Nitrophenol

Concen: 6.864 ng

RT: 9.28 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

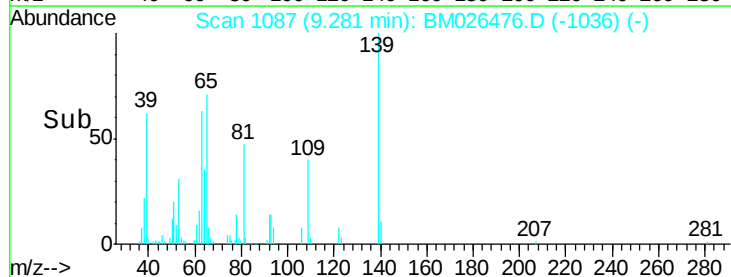
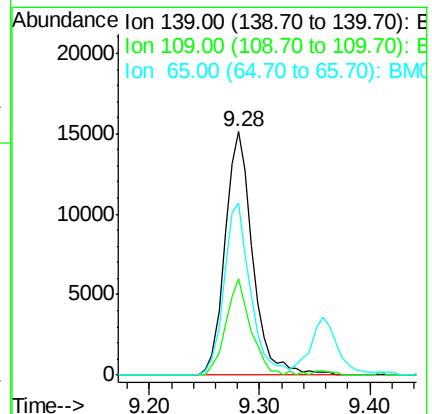
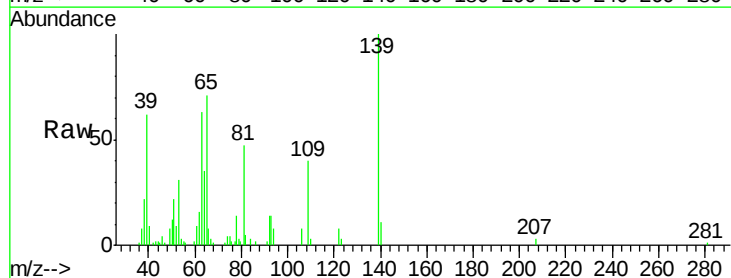
Tgt Ion: 139 Resp: 26422

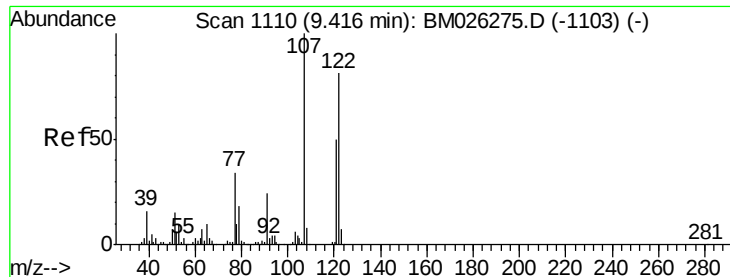
Ion Ratio Lower Upper

139 100

109 39.7 25.2 37.8#

65 70.8 47.1 70.7#

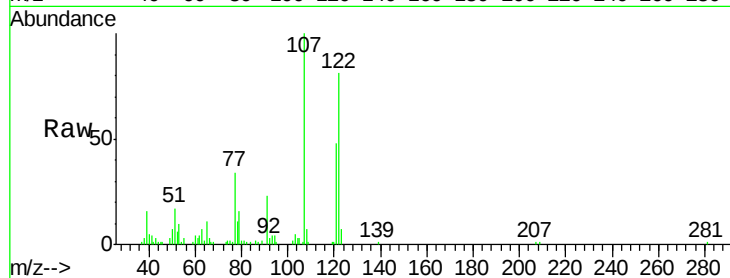




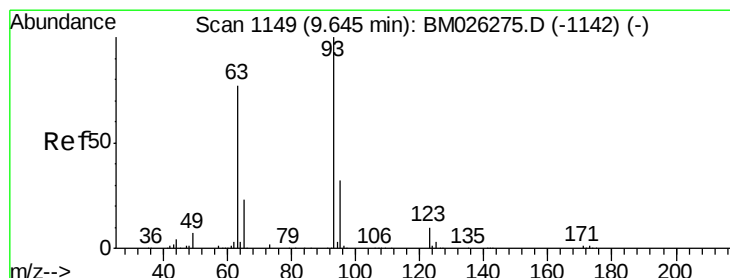
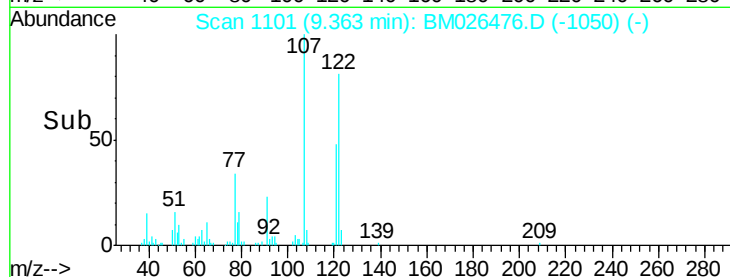
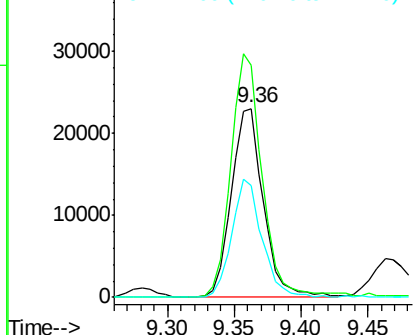
#27
2,4-Dimethylphenol
Concen: 6.339 ng
RT: 9.36 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

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

Tot Ion:122 Resp: 38525
Ion Ratio Lower Upper
122 100
107 122.8 96.1 144.1
121 59.4 46.0 69.0

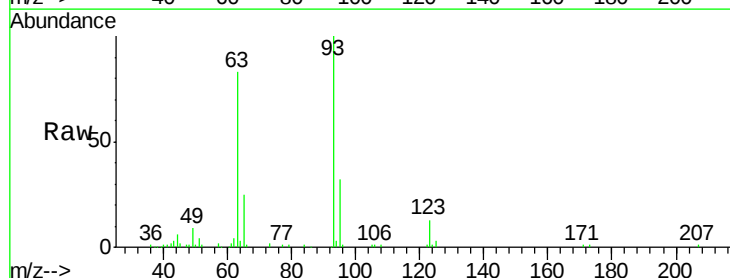


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

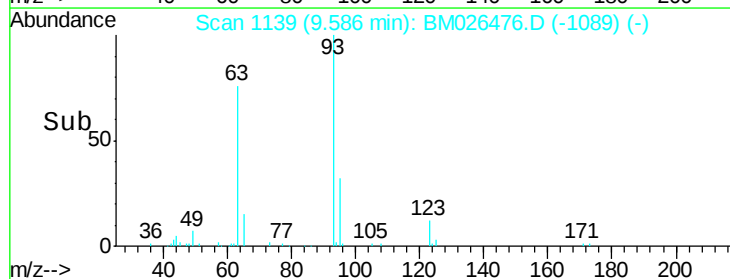
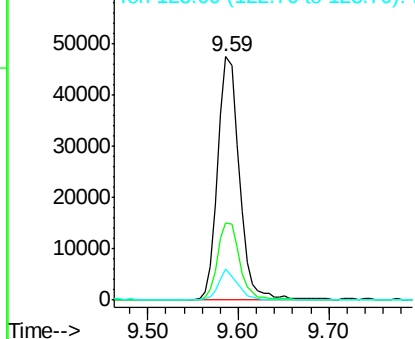


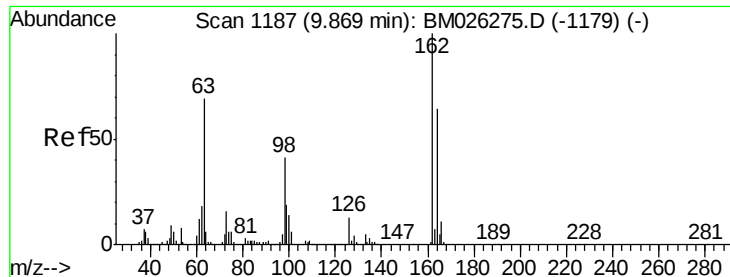
#28
bis(2-Chloroethoxy)methane
Concen: 7.968 ng
RT: 9.59 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion: 93 Resp: 78918
Ion Ratio Lower Upper
93 100
95 31.7 25.9 38.9
123 12.7 8.9 13.3



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

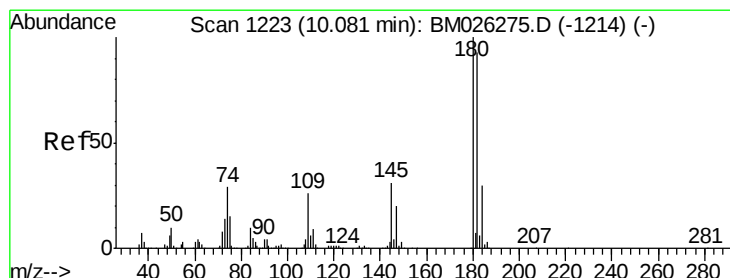
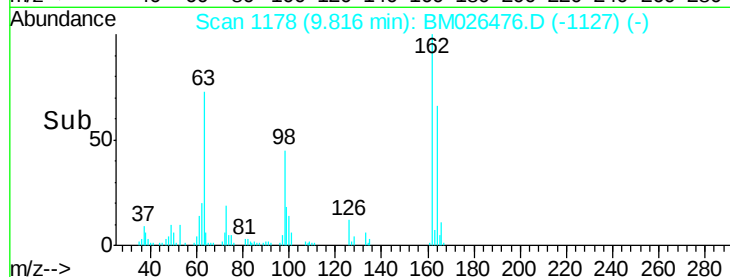
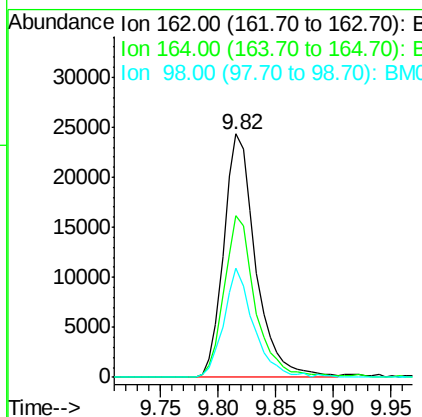
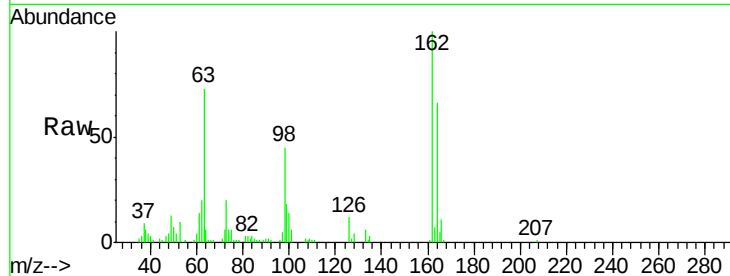




#29
 2,4-Dichlorophenol
 Concen: 7.009 ng
 RT: 9.82 min Scan# 1178
 Delta R.T. 0.00 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

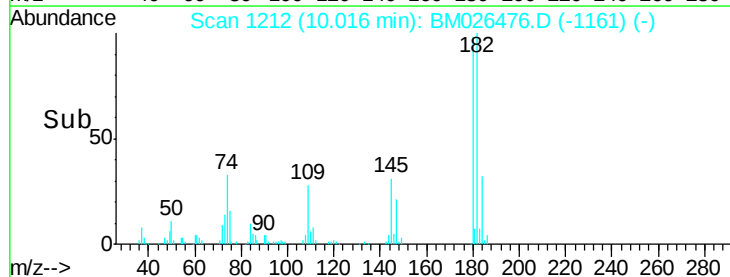
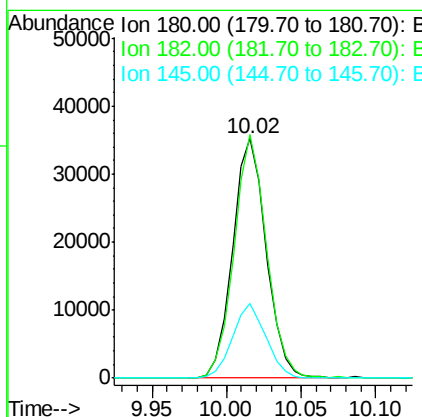
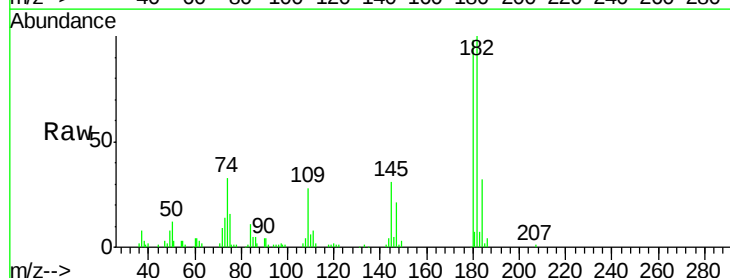
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

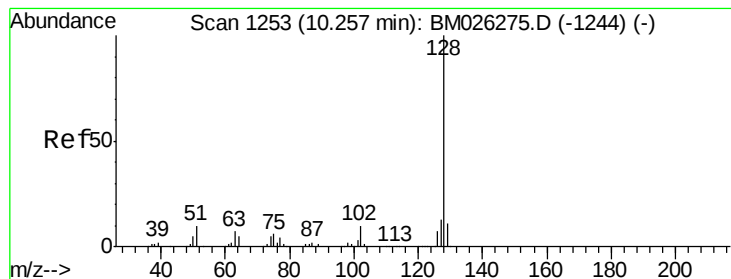
Tot Ion	Ratio	Lower	Upper
162	100		
164	66.4	46.2	86.2
98	44.6	19.0	59.0



#30
 1,2,4-Trichlorobenzene
 Concen: 7.523 ng
 RT: 10.02 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.6	77.3	115.9
145	31.4	26.6	40.0

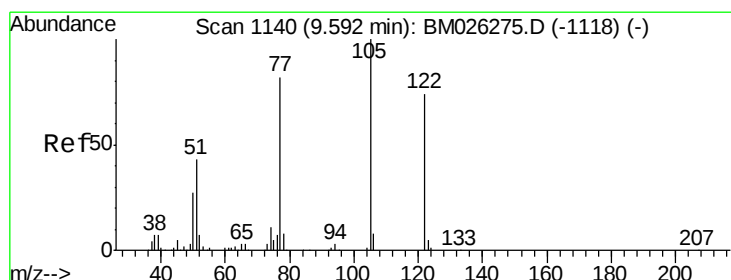
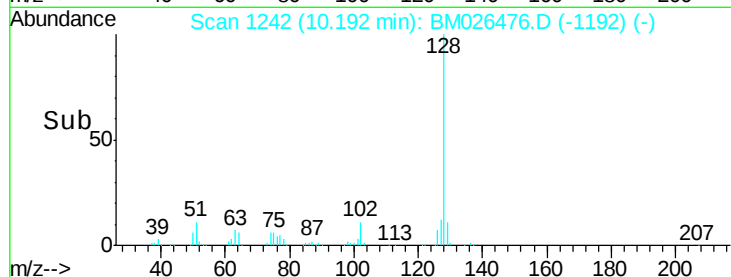
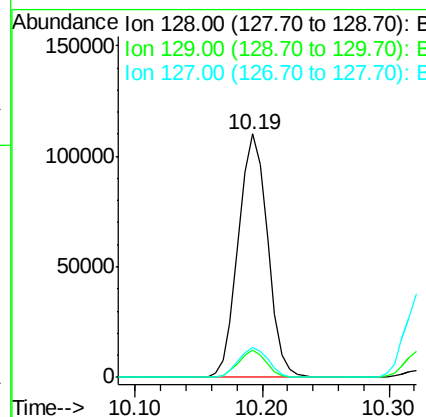
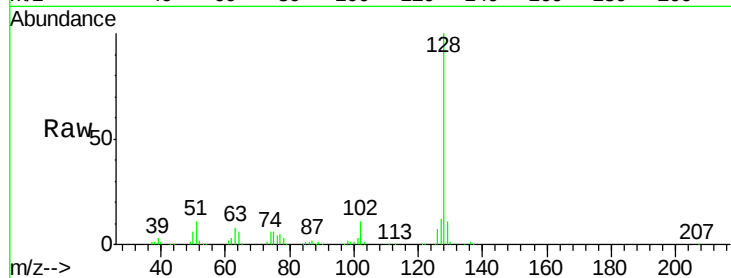




#31
Naphthalene
Concen: 7.675 ng
RT: 10.19 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

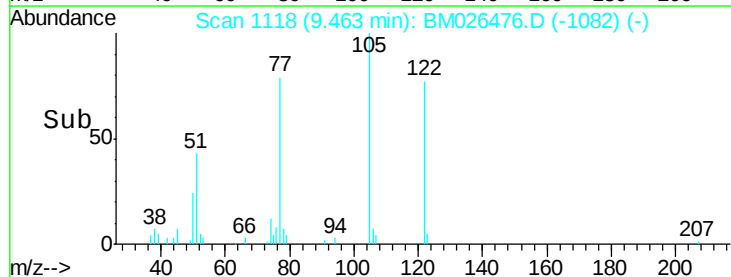
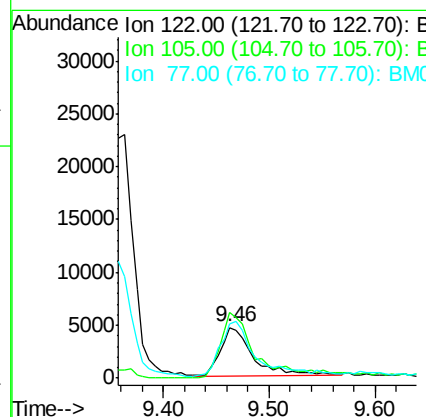
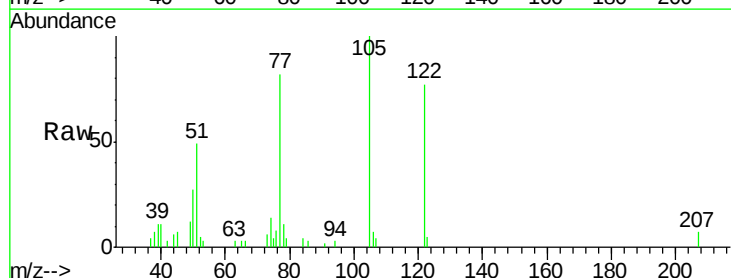
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

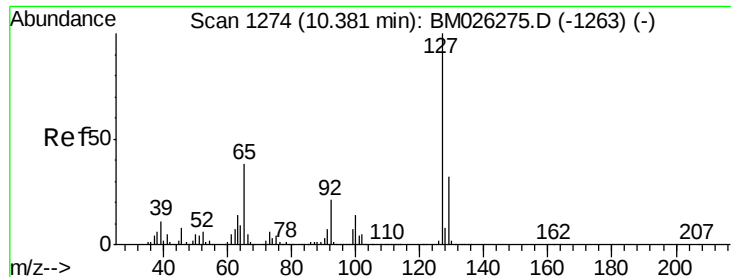
Tot Ion:128 Resp: 176457
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 12.3 10.2 15.4



#32
Benzoic acid
Concen: 2.214 ng
RT: 9.46 min Scan# 1118
Delta R.T. -0.09 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:122 Resp: 9999
Ion Ratio Lower Upper
122 100
105 129.1 108.9 148.9
77 106.5 90.1 130.1

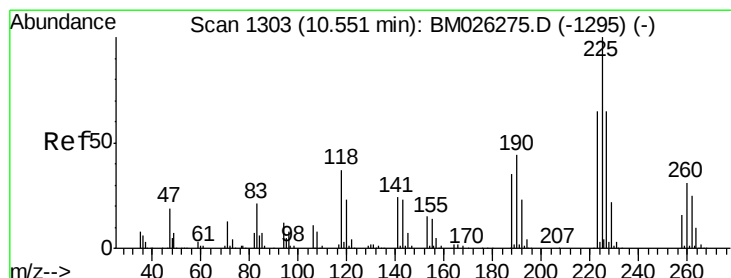
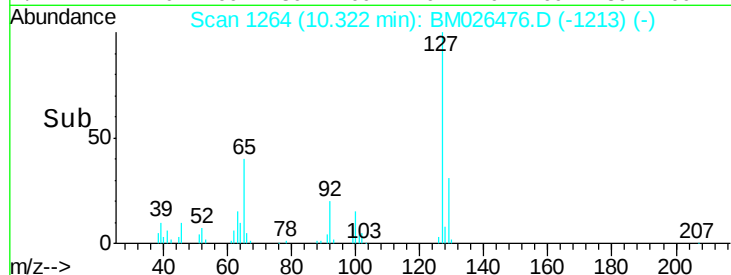
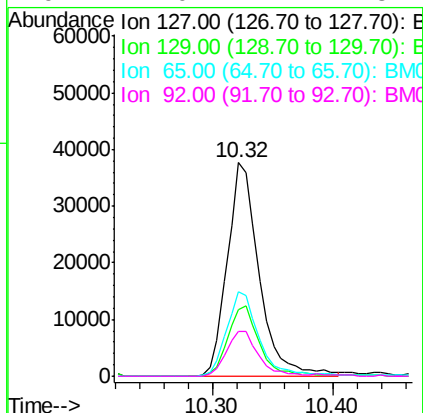
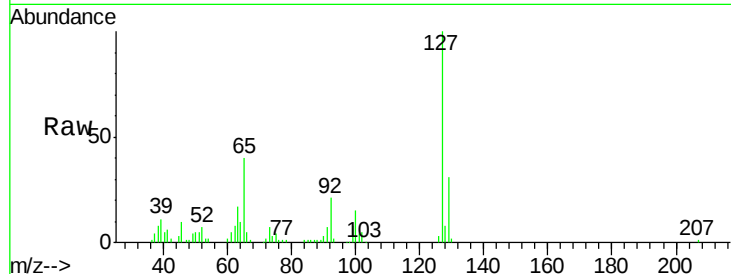




#33
4-Chloroaniline
Concen: 6.927 ng
RT: 10.32 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

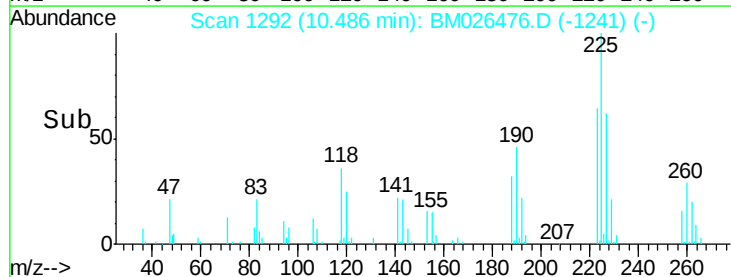
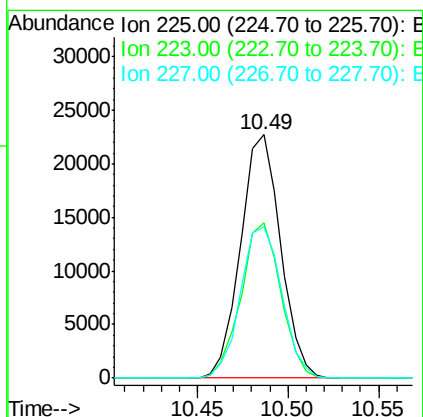
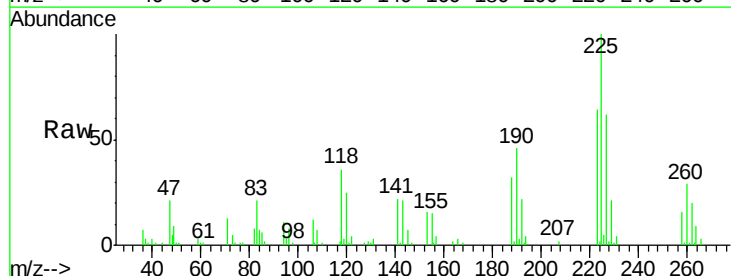
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

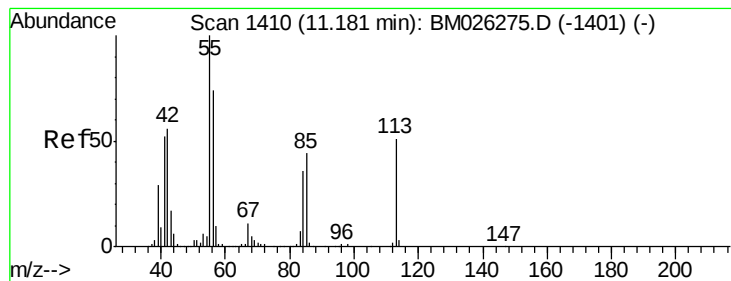
Tot Ion:127	Resp:	69466	
Ion Ratio	Lower	Upper	
127 100			
129 31.4	25.3	37.9	
65 39.5	30.0	45.0	
92 21.0	17.1	25.7	



#34
Hexachlorobutadiene
Concen: 7.556 ng
RT: 10.49 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion	225	Resp: Lower	34880 Upper
	Ratio		
225	100		
223	63.9	50.2	75.4
227	62.3	49.5	74.3





#35

Caprolactam

Concen: 7.798 ng

RT: 11.10 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

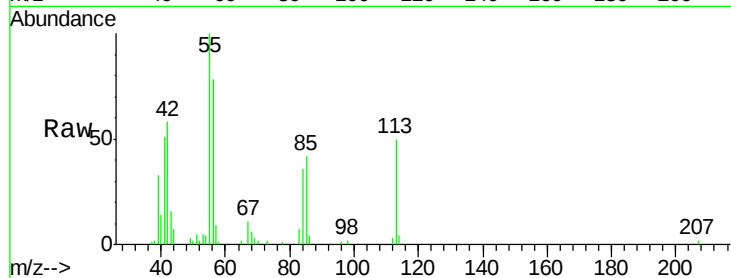
Tot Ion:113 Resp: 18267

Ion Ratio Lower Upper

113 100

55 200.9 177.1 217.1

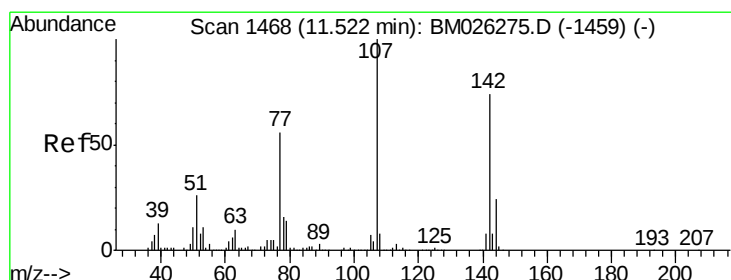
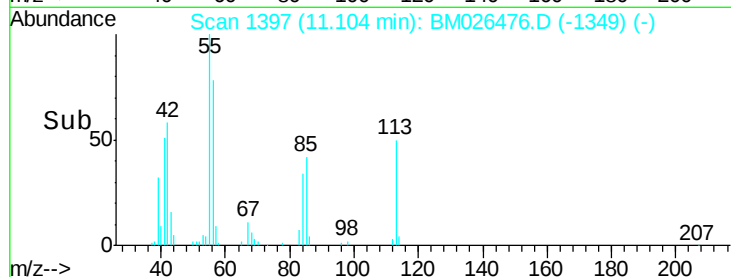
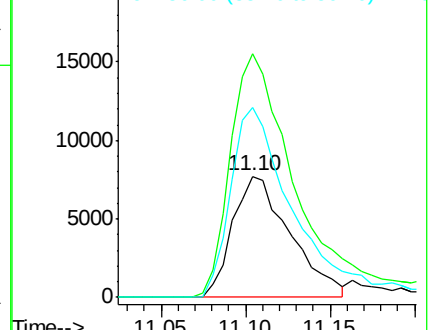
56 156.3 134.8 174.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 7.661 ng

RT: 11.46 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

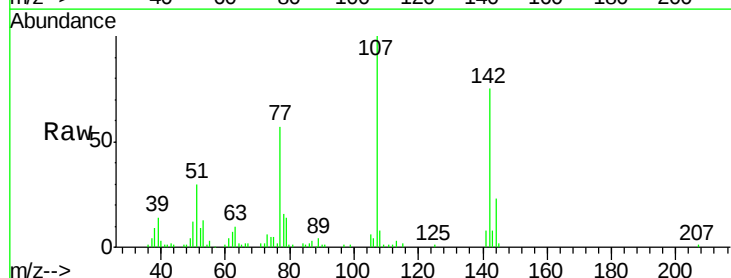
Tgt Ion:107 Resp: 62244

Ion Ratio Lower Upper

107 100

144 23.0 18.7 28.1

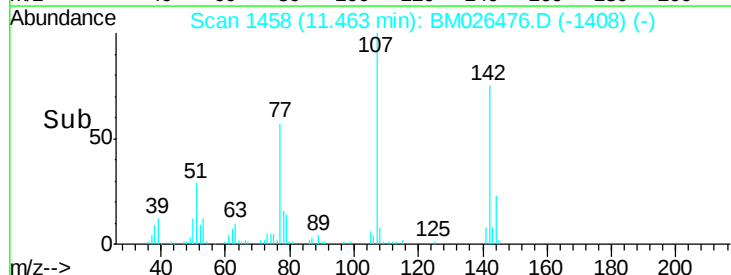
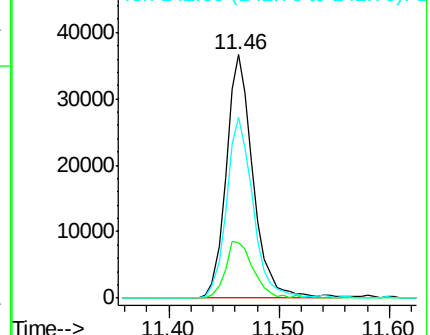
142 74.5 57.7 86.5

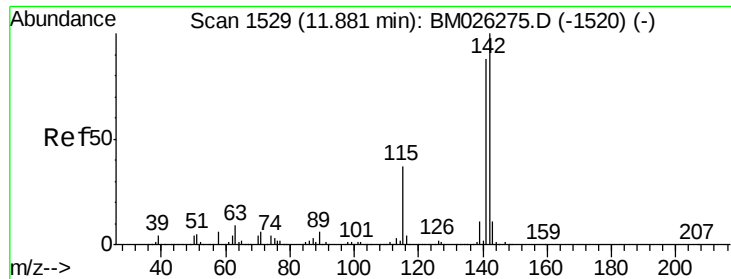


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

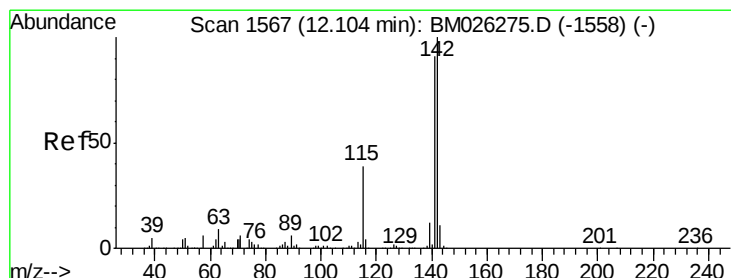
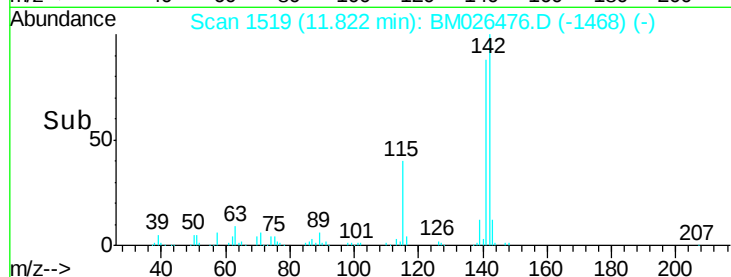
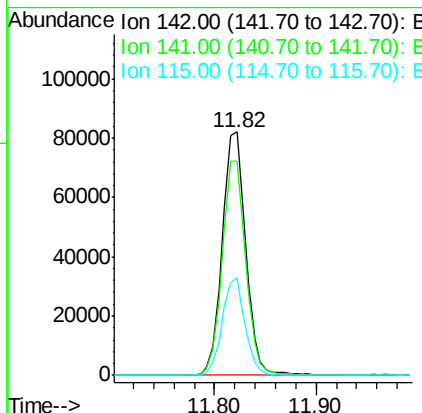
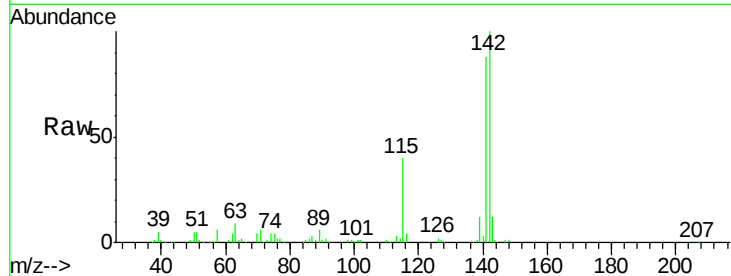




#37
2-Methylnaphthalene
Concen: 8.113 ng
RT: 11.82 min Scan# 1519
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

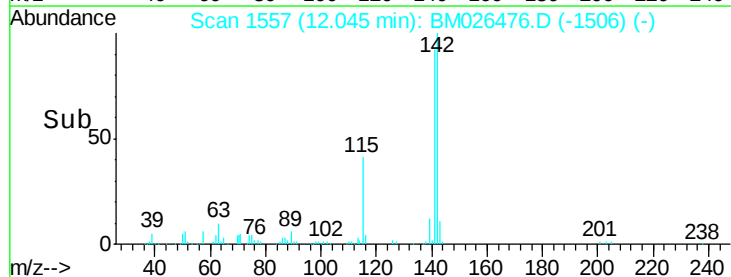
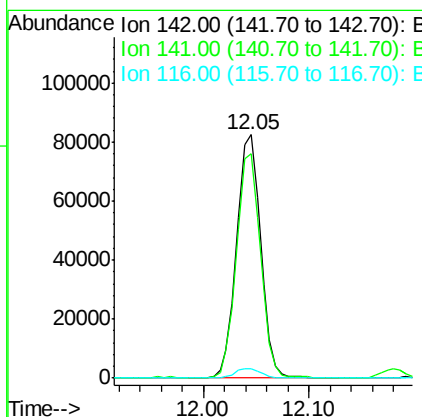
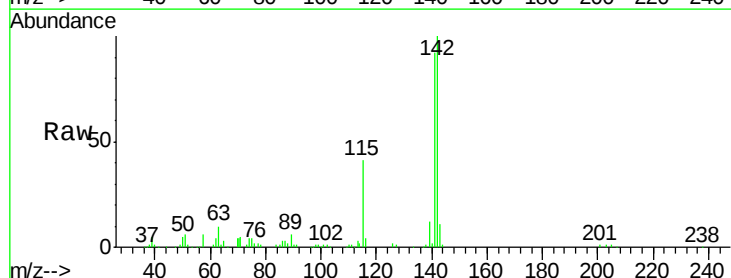
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

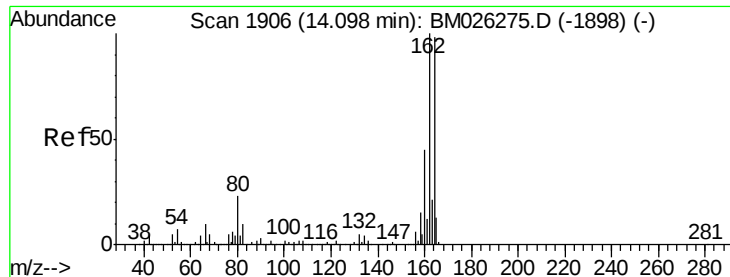
Tot Ion:142 Resp: 132918
Ion Ratio Lower Upper
142 100
141 88.0 70.5 105.7
115 39.9 30.2 45.4



#38
1-Methylnaphthalene
Concen: 8.371 ng
RT: 12.05 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:142 Resp: 129915
Ion Ratio Lower Upper
142 100
141 92.2 73.3 109.9
116 3.8 3.4 5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

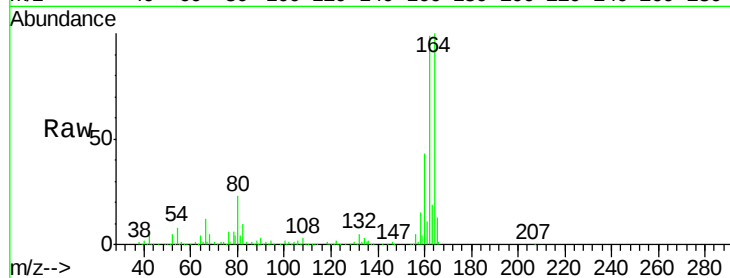
Tot Ion:164 Resp: 327340

Ion Ratio Lower Upper

164 100

162 98.6 77.7 116.5

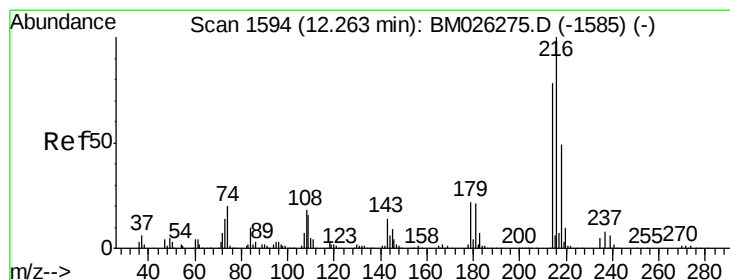
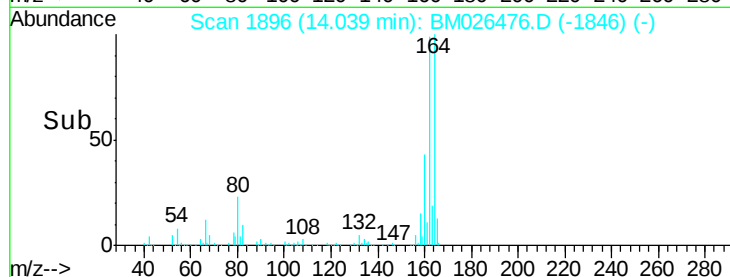
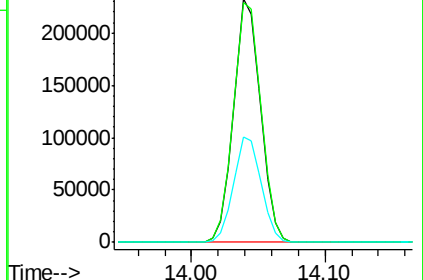
160 43.4 34.2 51.2



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: 7.874 ng

RT: 12.20 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Tgt Ion:216 Resp: 73374

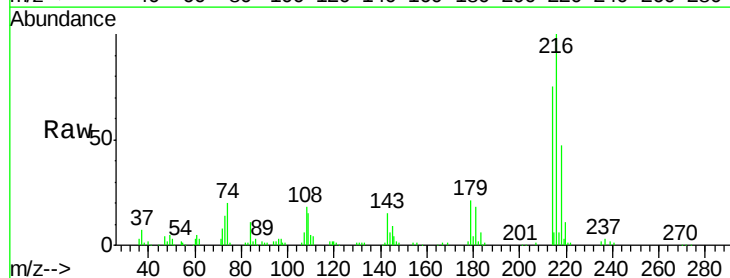
Ion Ratio Lower Upper

216 100

214 77.1 61.9 92.9

179 21.4 16.3 24.5

108 19.9 15.3 22.9

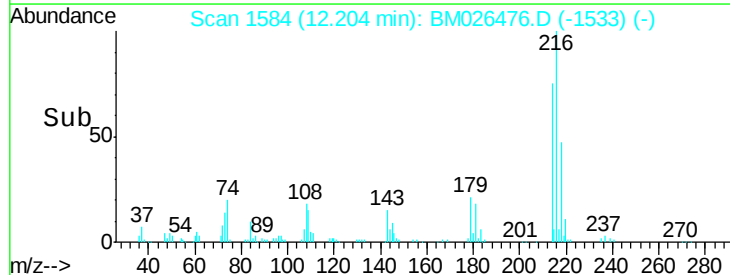
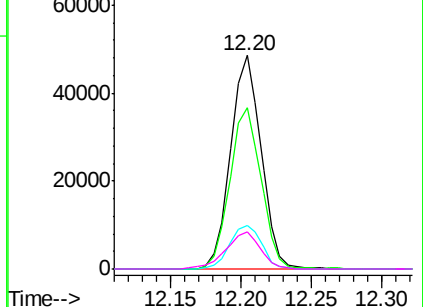


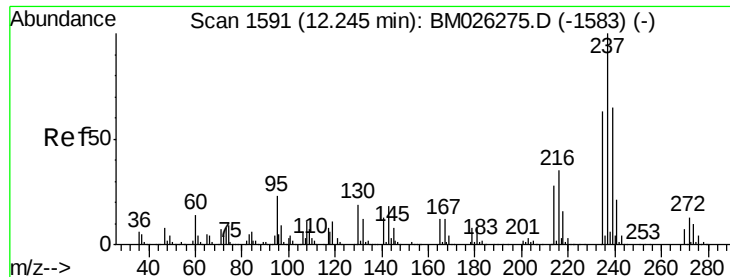
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 6.659 ng

RT: 12.18 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

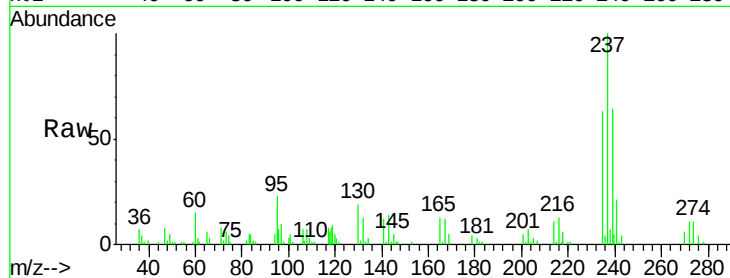
Tot Ion:237 Resp: 36564

Ion Ratio Lower Upper

237 100

235 63.5 42.1 82.1

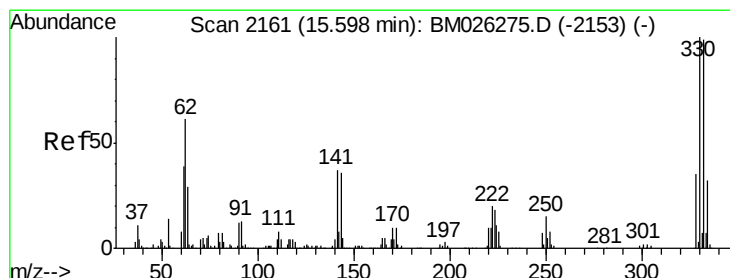
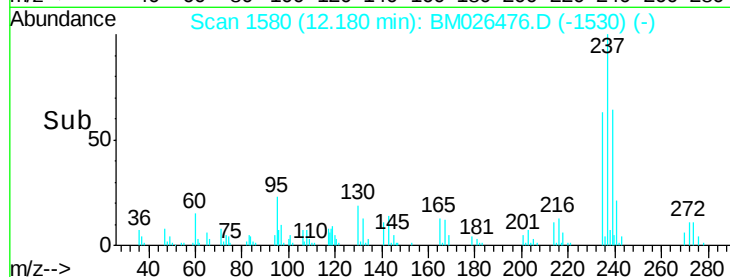
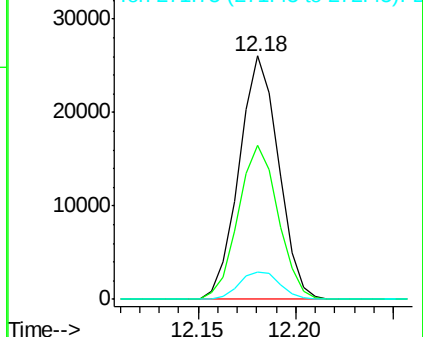
272 11.3 0.0 33.5



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: 197.519 ng

RT: 15.55 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

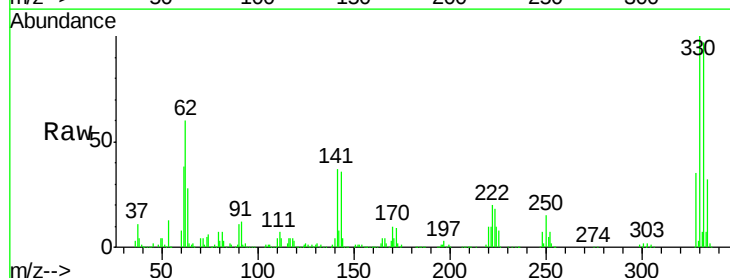
Tgt Ion:330 Resp: 783209

Ion Ratio Lower Upper

330 100

332 97.0 77.7 116.5

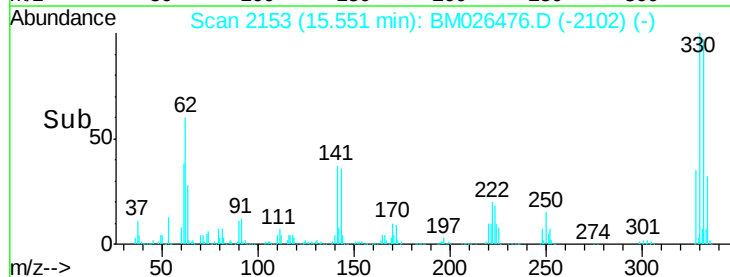
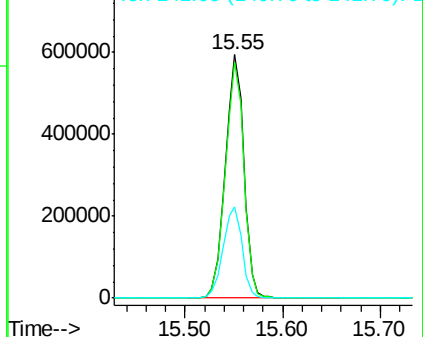
141 38.2 29.7 44.5

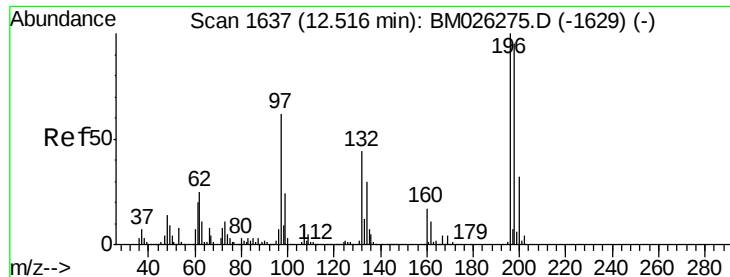


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

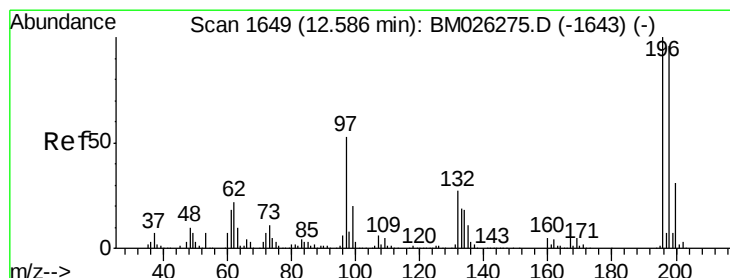
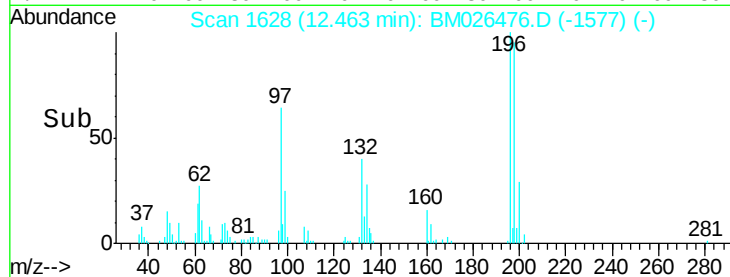
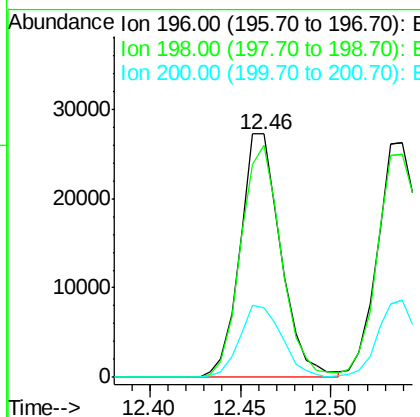
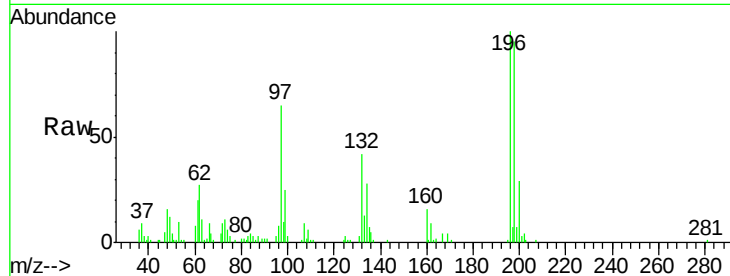




#43
 2,4,6-Trichlorophenol
 Concen: 6.746 ng
 RT: 12.46 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

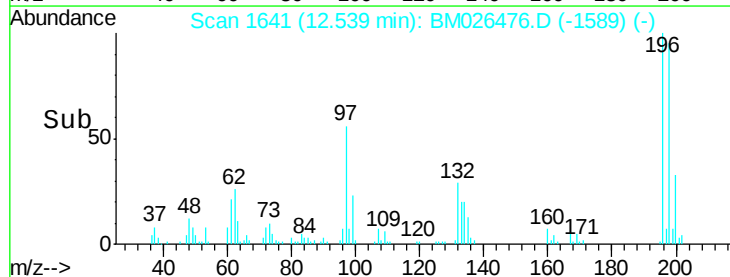
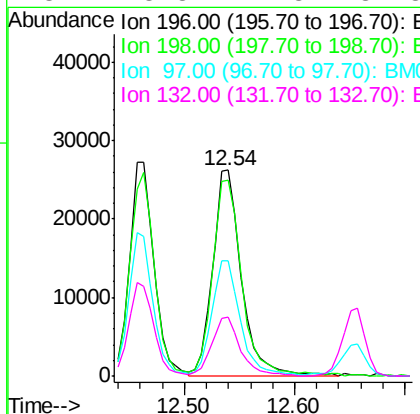
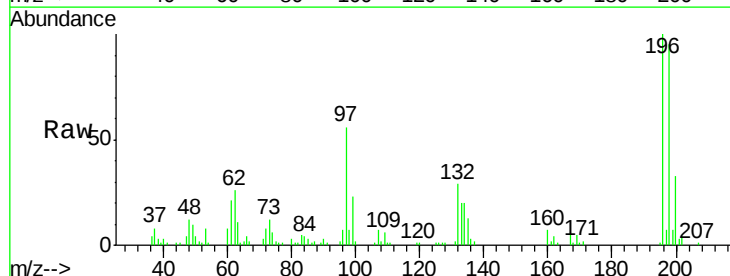
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

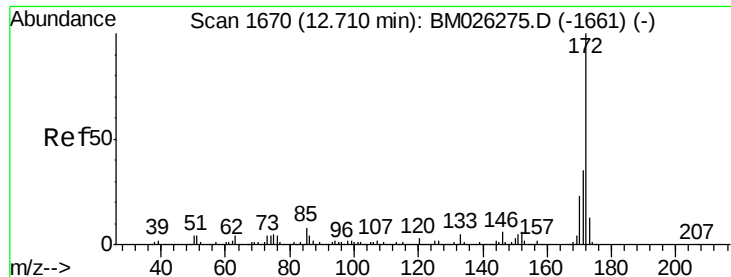
Tot Ion:196 Resp: 42546
 Ion Ratio Lower Upper
 196 100
 198 95.4 79.0 118.4
 200 28.8 25.2 37.8



#44
 2,4,5-Trichlorophenol
 Concen: 6.465 ng
 RT: 12.54 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

Tgt Ion:196 Resp: 47326
 Ion Ratio Lower Upper
 196 100
 198 95.3 77.1 115.7
 97 55.9 43.0 64.4
 132 28.8 21.8 32.8

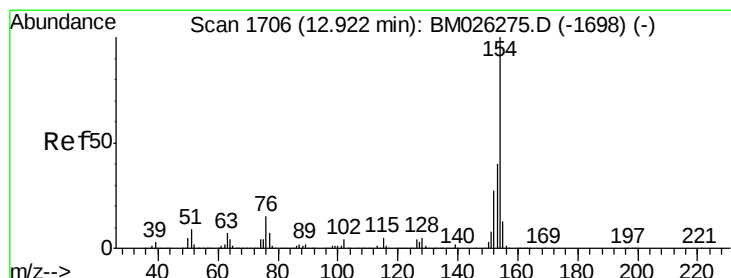
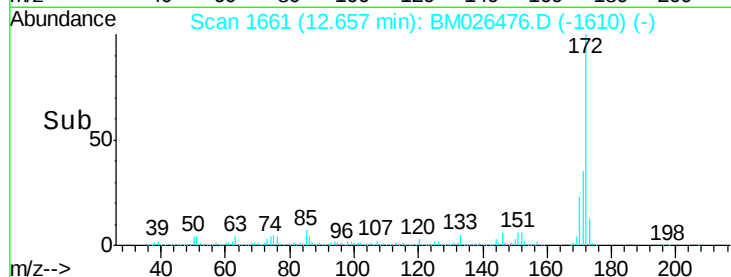
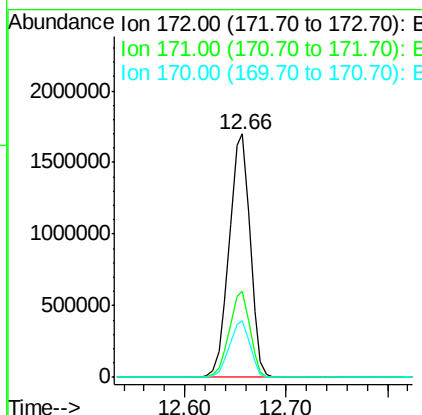
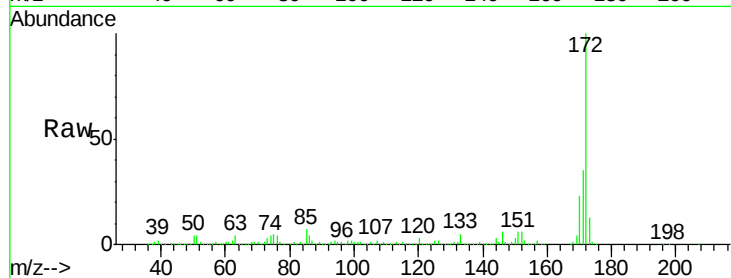




#45
2-Fluorobiphenyl
Concen: 113.060 ng
RT: 12.66 min Scan# 1661
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

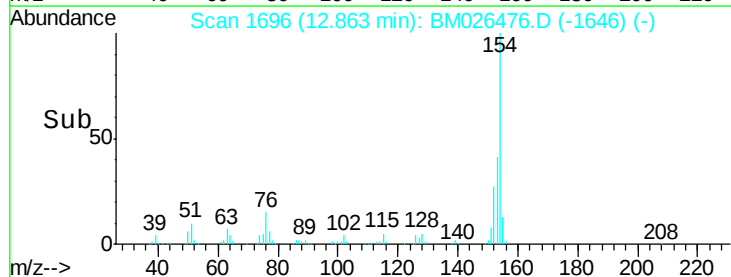
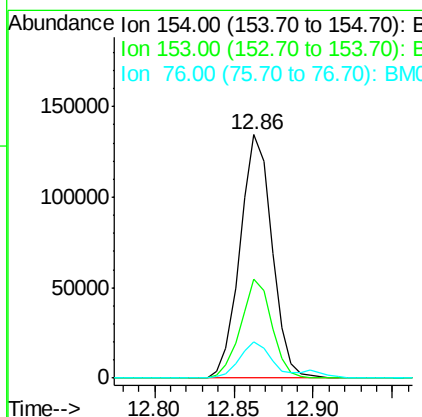
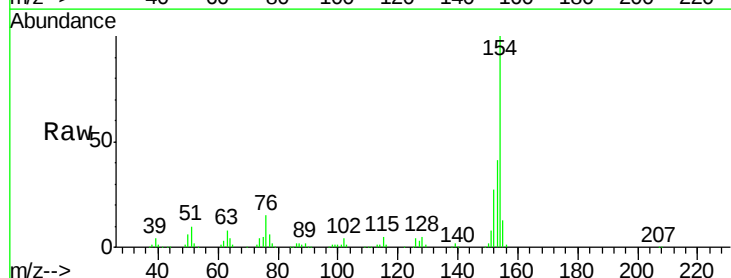
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

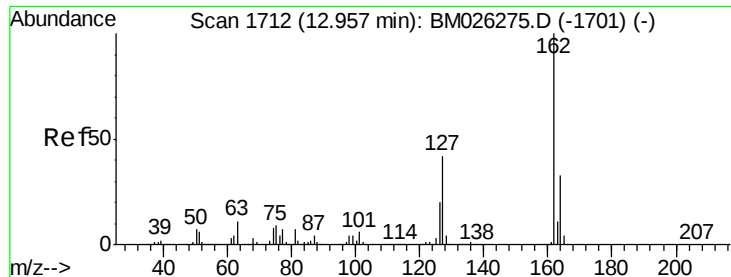
Tot Ion:172 Resp: 2438066
Ion Ratio Lower Upper
172 100
171 35.2 27.8 41.8
170 23.1 18.2 27.4



#46
1,1'-Biphenyl
Concen: 8.222 ng
RT: 12.86 min Scan# 1696
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:154 Resp: 188695
Ion Ratio Lower Upper
154 100
153 40.6 20.0 60.0
76 14.9 0.0 34.6

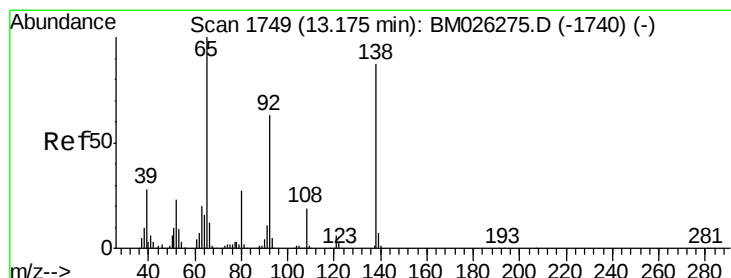
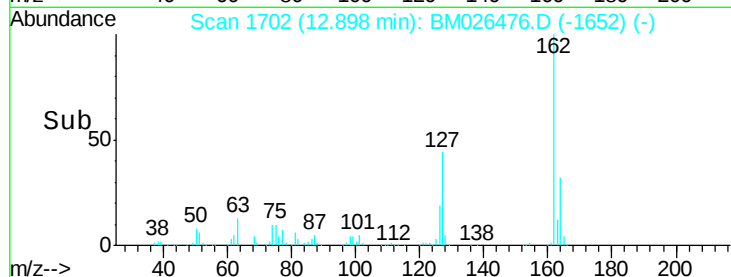
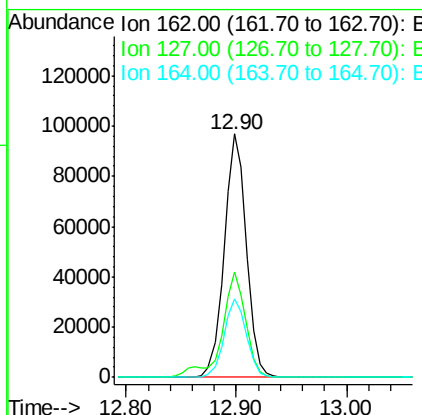
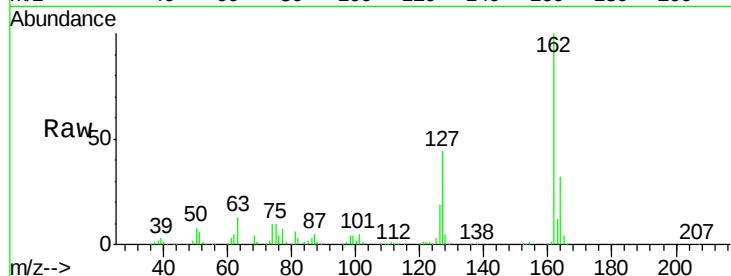




#47
2-Chloronaphthalene
Concen: 7.266 ng
RT: 12.90 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

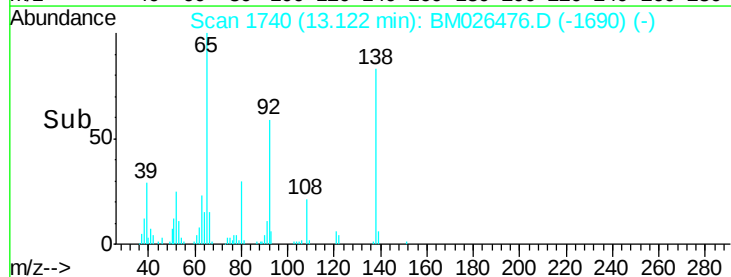
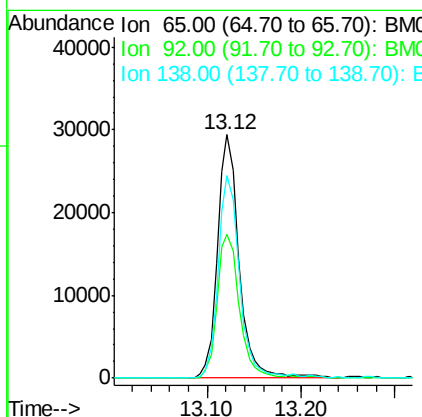
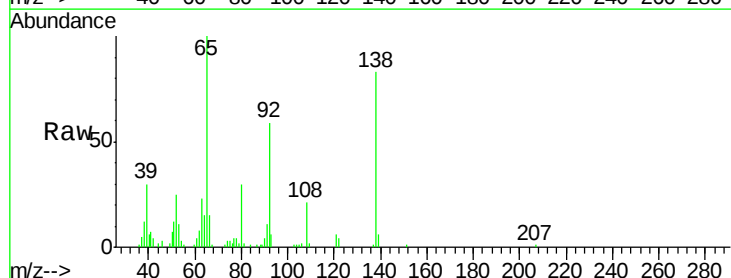
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

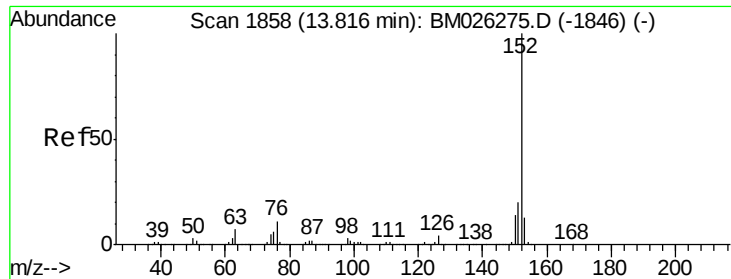
Tot Ion	Ratio	Lower	Upper
162	100		
127	43.5	34.0	51.0
164	32.1	26.3	39.5



#48
2-Nitroaniline
Concen: 6.396 ng
RT: 13.12 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion	Ratio	Lower	Upper
65	100		
92	58.8	50.6	76.0
138	83.1	71.6	107.4





#49

Acenaphthylene

Concen: 7.444 ng

RT: 13.76 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

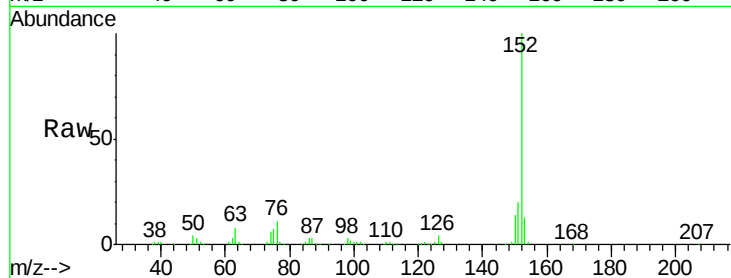
Tot Ion:152 Resp: 221952

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.6

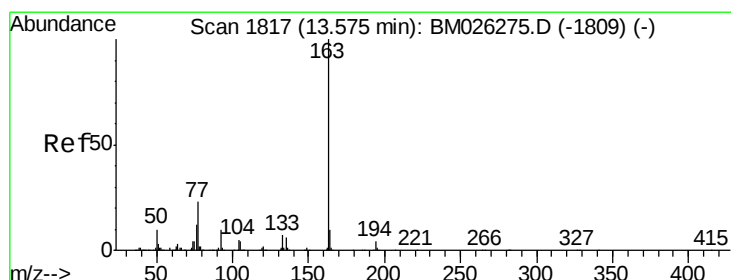
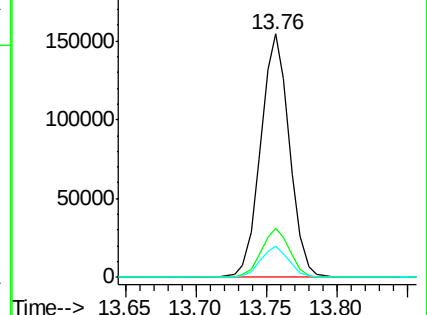
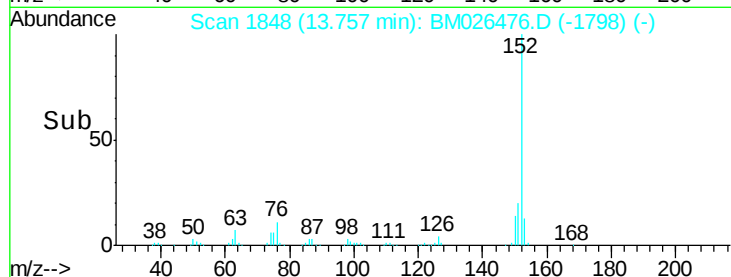
153 12.9 10.1 15.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.718 ng

RT: 13.52 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

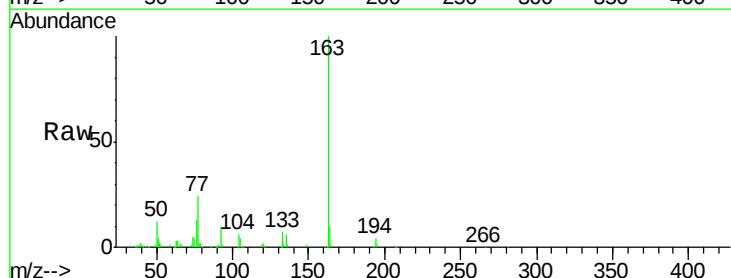
Tgt Ion:163 Resp: 184777

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

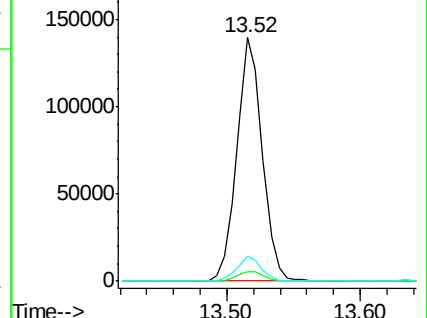
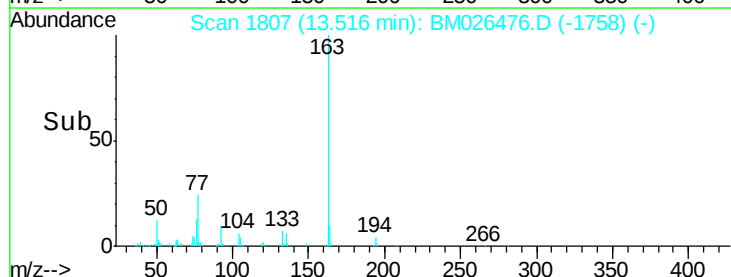
164 10.4 7.8 11.8

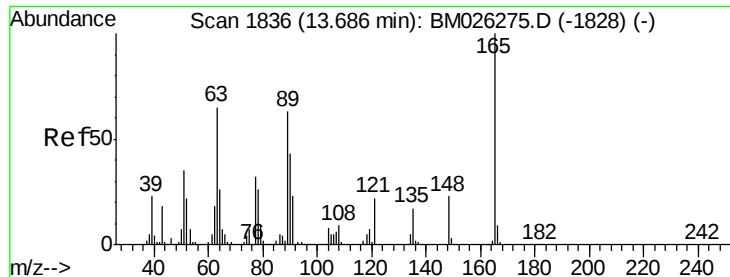


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

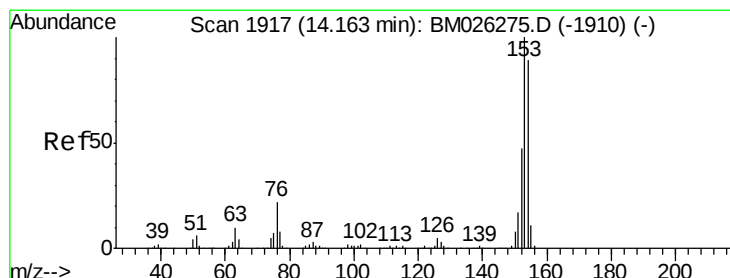
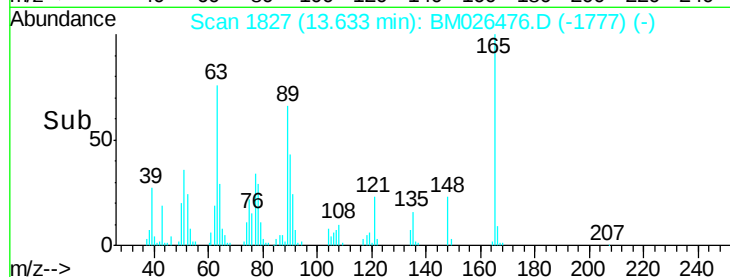
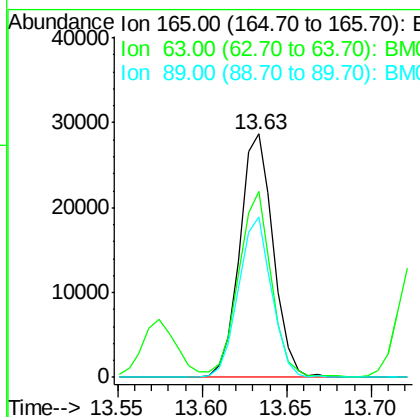
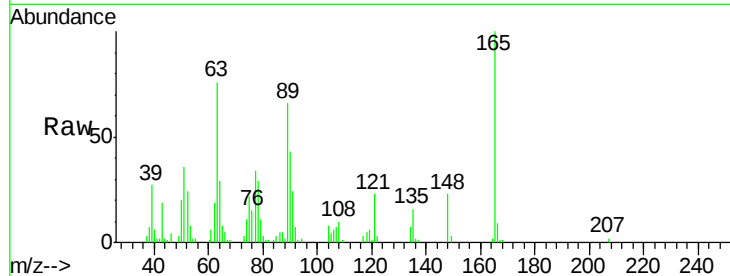




#51
2,6-Dinitrotoluene
Concen: 7.496 ng
RT: 13.63 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

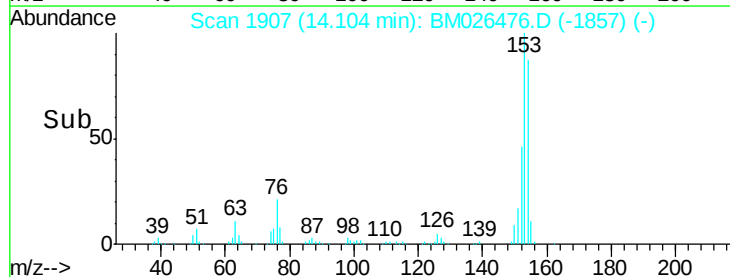
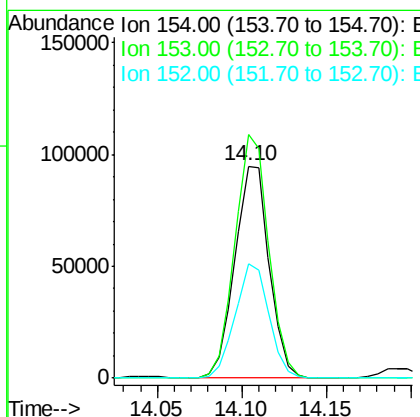
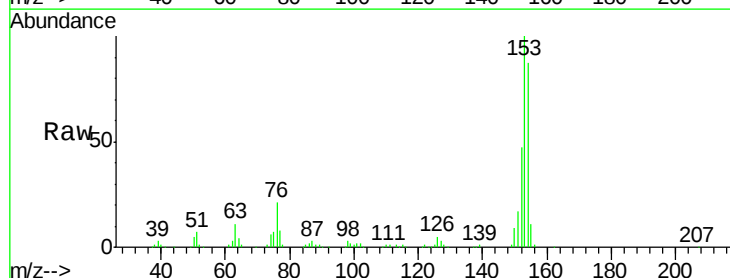
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

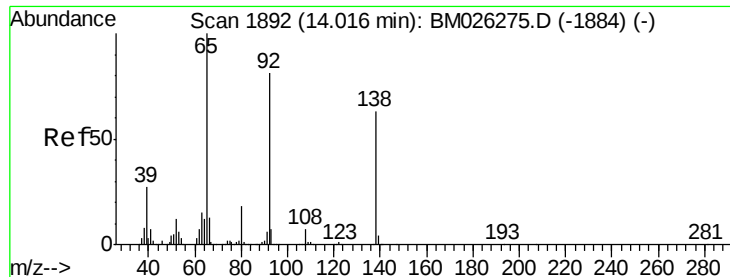
Tot Ion:165 Resp: 39381
Ion Ratio Lower Upper
165 100
63 76.3 54.3 81.5
89 65.7 51.5 77.3



#52
Acenaphthene
Concen: 7.505 ng
RT: 14.10 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:154 Resp: 134335
Ion Ratio Lower Upper
154 100
153 114.7 88.6 132.8
152 53.9 42.0 63.0

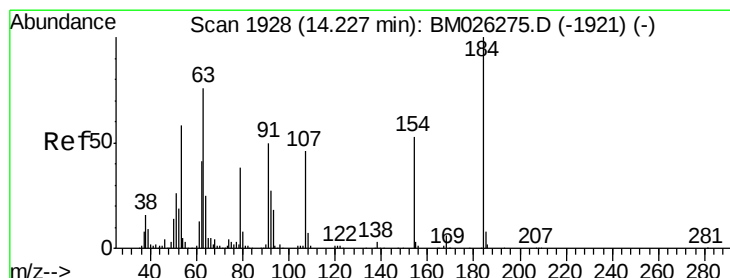
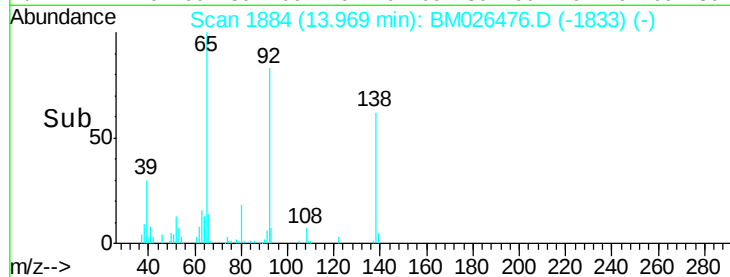
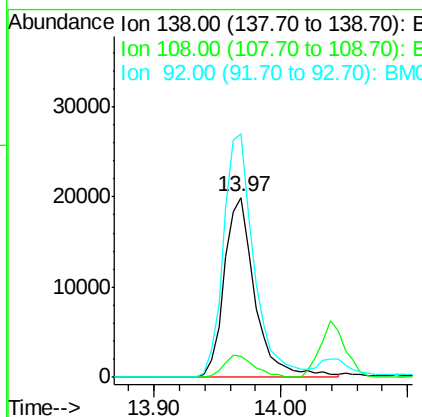
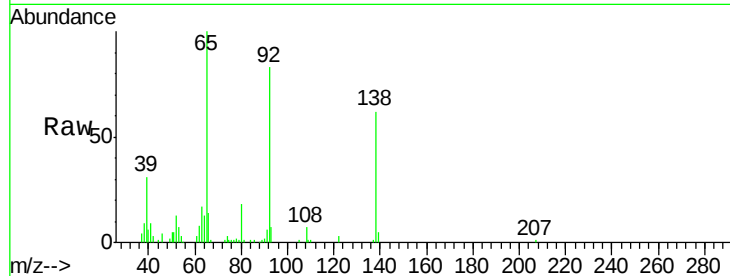




#53
3-Nitroaniline
Concen: 5.721 ng
RT: 13.97 min Scan# 1884
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

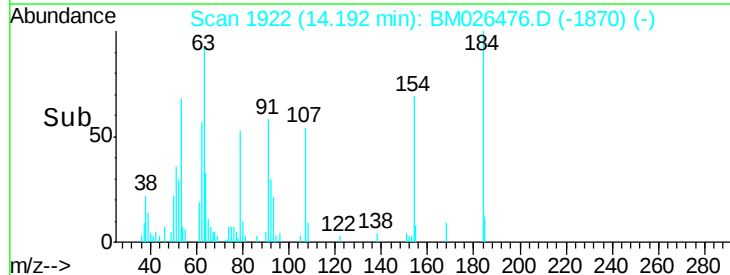
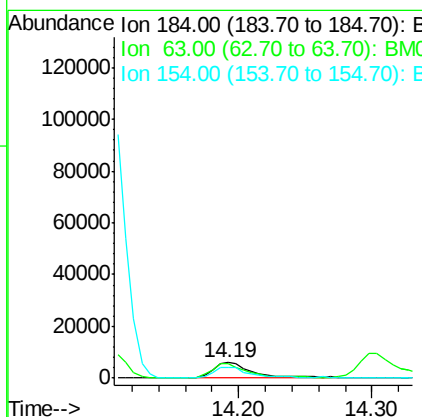
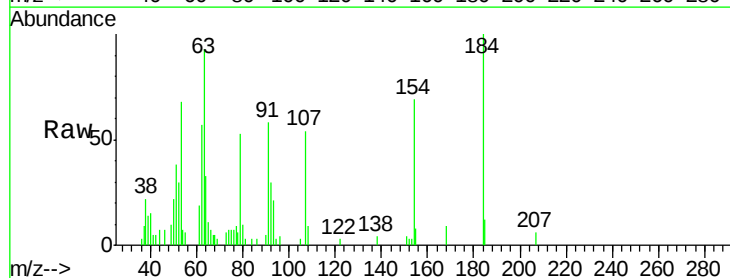
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

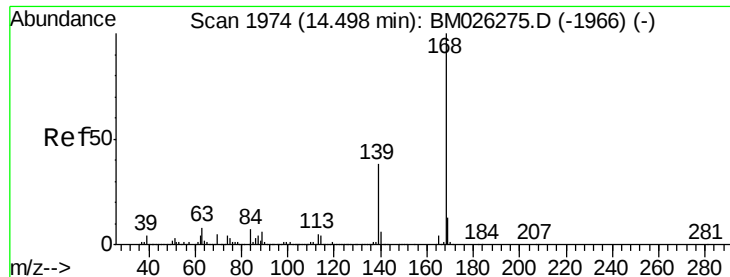
Tot Ion:138 Resp: 33469
Ion Ratio Lower Upper
138 100
108 11.5 9.4 14.0
92 135.4 105.4 158.2



#54
2,4-Dinitrophenol
Concen: 3.861 ng
RT: 14.19 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:184 Resp: 12330
Ion Ratio Lower Upper
184 100
63 93.4 61.8 92.6#
154 69.0 53.1 79.7





#55

Dibenzenofuran

Concen: 7.723 ng

RT: 14.44 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

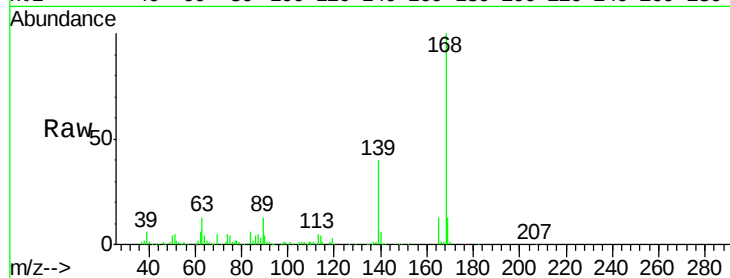
Tot Ion:168 Resp: 222734

Ion Ratio Lower Upper

168 100

139 40.4 31.4 47.0

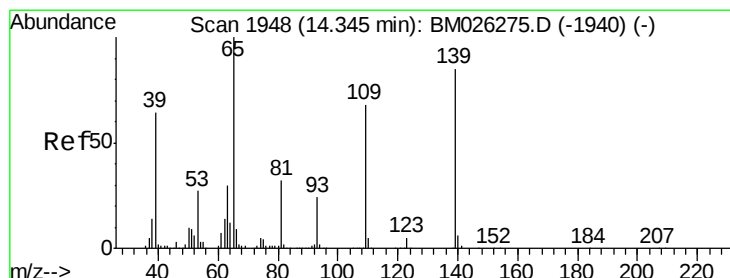
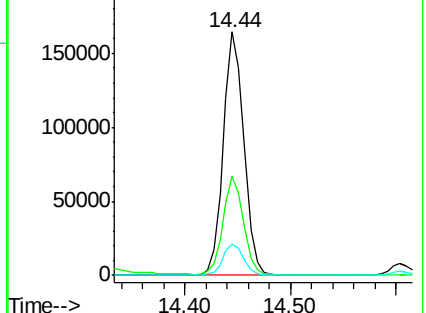
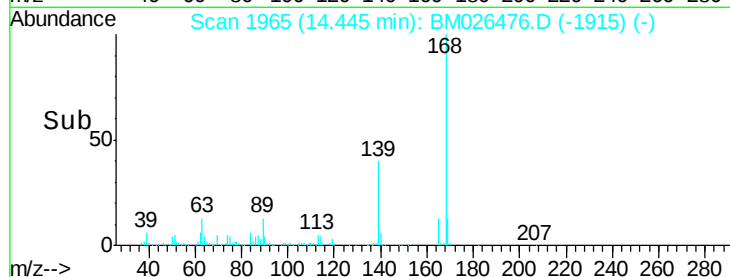
169 13.0 10.7 16.1



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: 10.435 ng

RT: 14.30 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

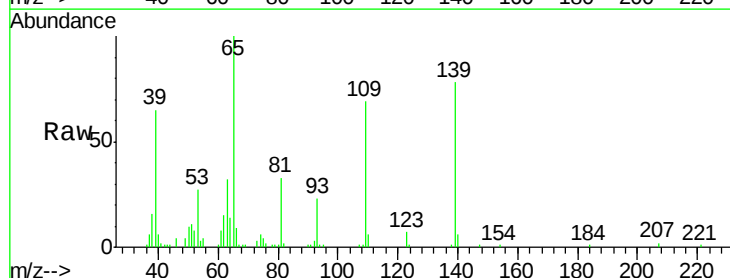
Tgt Ion:139 Resp: 48412

Ion Ratio Lower Upper

139 100

109 88.8 64.9 104.9

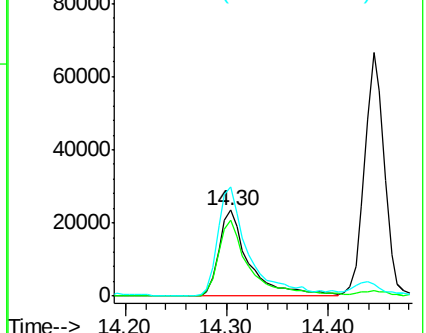
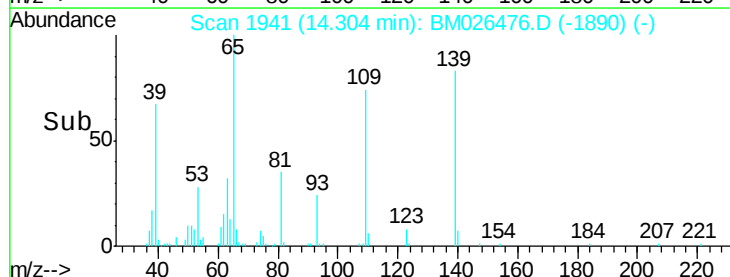
65 127.8 98.1 138.1

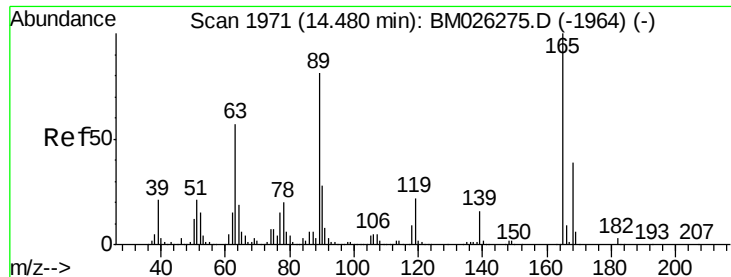


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM

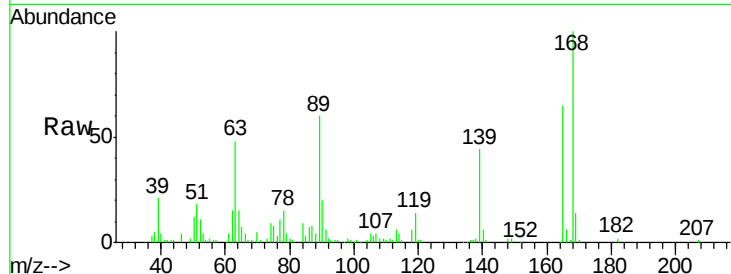




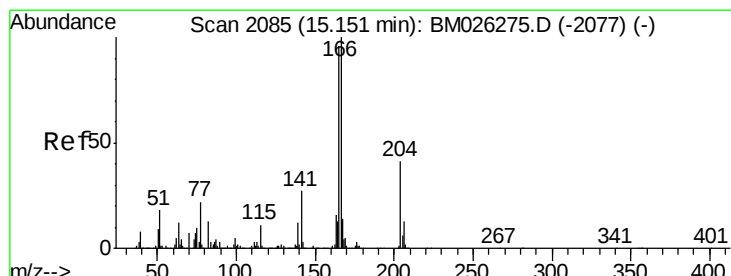
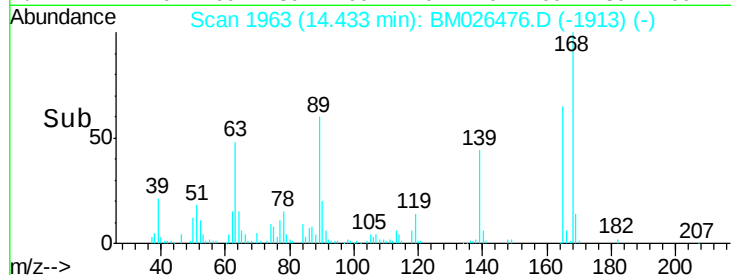
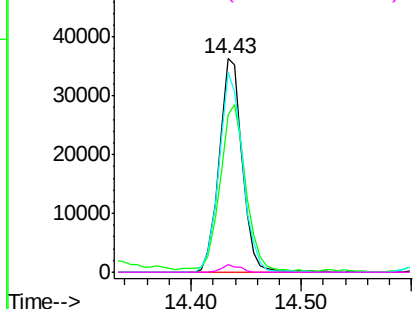
#57
2,4-Dinitrotoluene
Concen: 7.221 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

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

Tot Ion:165 Resp: 52746
Ion Ratio Lower Upper
165 100
63 73.6 48.1 72.1#
89 93.2 65.6 98.4
182 3.4 2.7 4.1

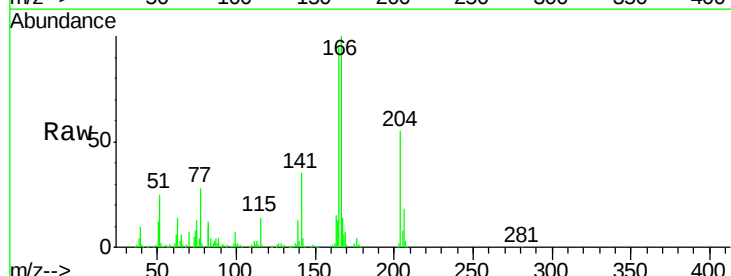


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 89.00 (88.70 to 89.70): BM0
Ion 182.00 (181.70 to 182.70): E

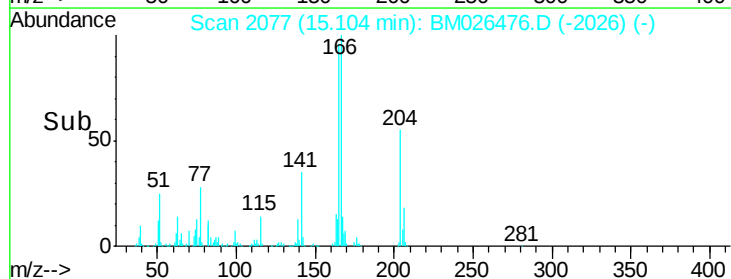
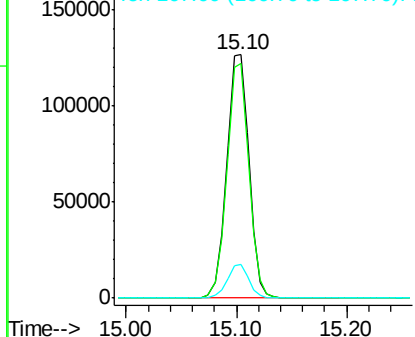


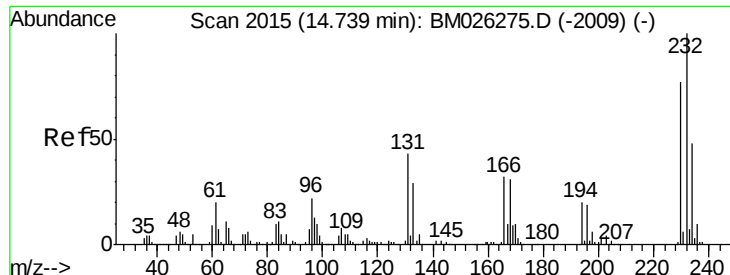
#58
Fluorene
Concen: 7.691 ng
RT: 15.10 min Scan# 2077
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:166 Resp: 180150
Ion Ratio Lower Upper
166 100
165 96.5 77.5 116.3
167 13.7 10.9 16.3



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

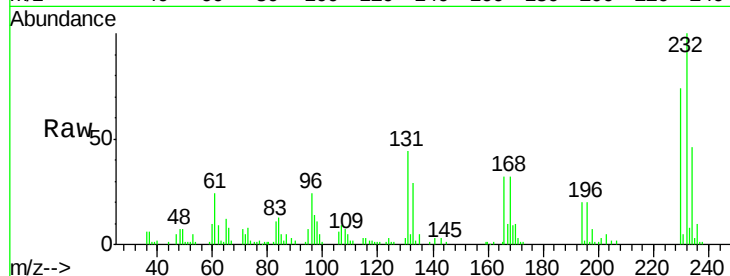




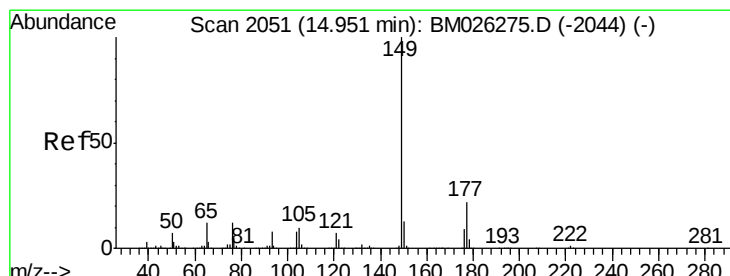
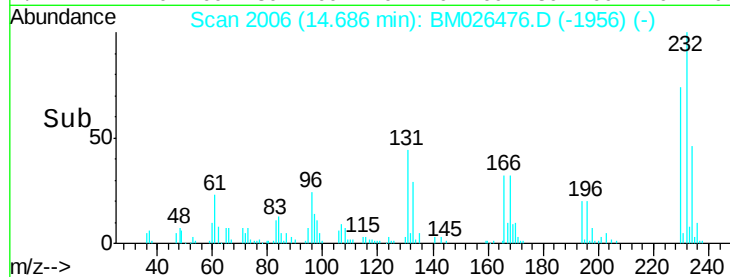
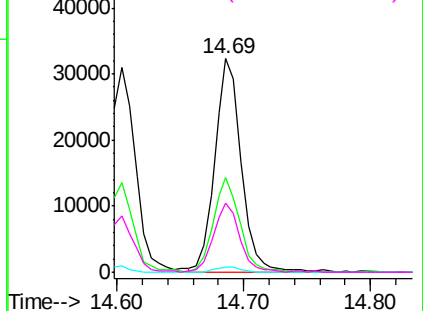
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.526 ng
 RT: 14.69 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

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

Tot Ion:	232	Resp:	47127
Ion	Ratio	Lower	Upper
232	100		
131	44.3	36.4	54.6
130	2.4	2.0	3.0
166	32.1	24.8	37.2

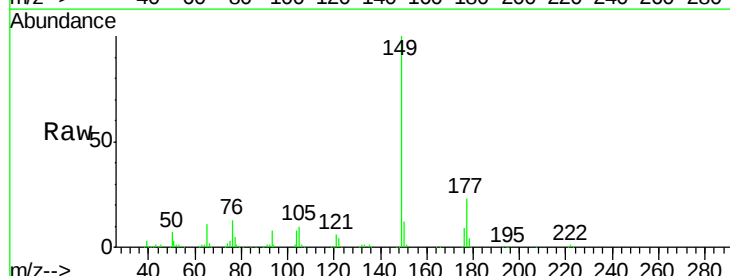


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

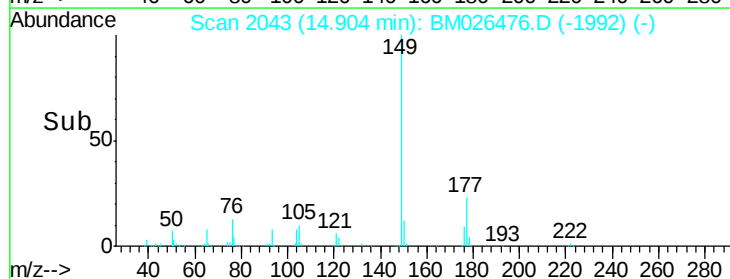
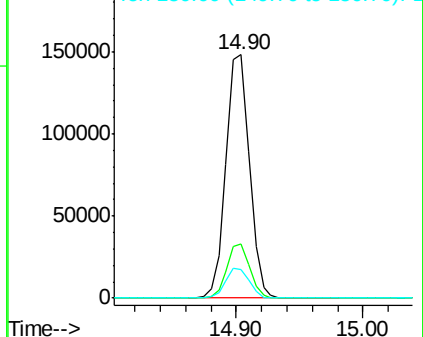


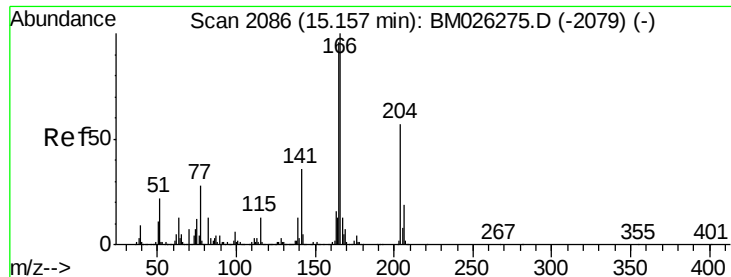
#60
 Diethylphthalate
 Concen: 7.786 ng
 RT: 14.90 min Scan# 2043
 Delta R.T. 0.00 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

Tgt Ion:	149	Resp:	189875
Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.6	26.4
150	11.7	9.9	14.9



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

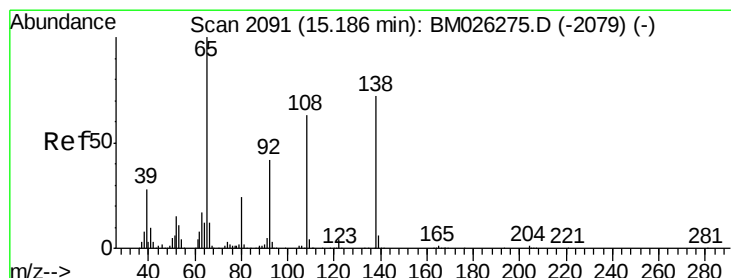
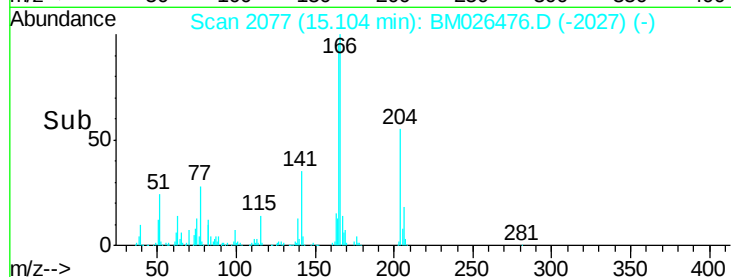
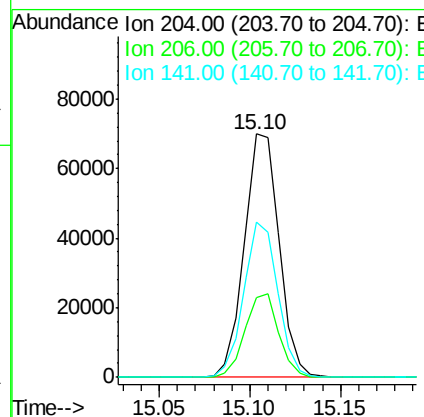
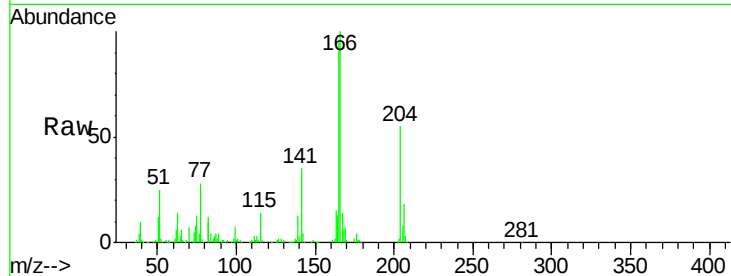




#61
4-Chlorophenyl-phenylether
Concen: 7.526 ng
RT: 15.10 min Scan# 2077
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

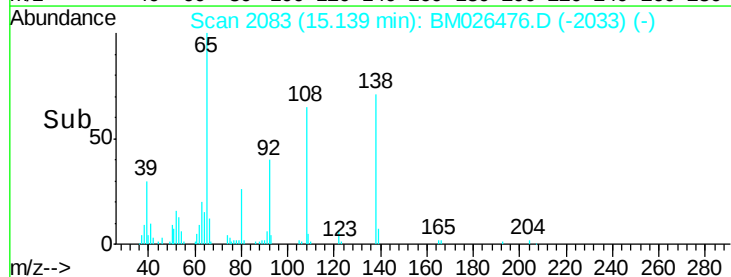
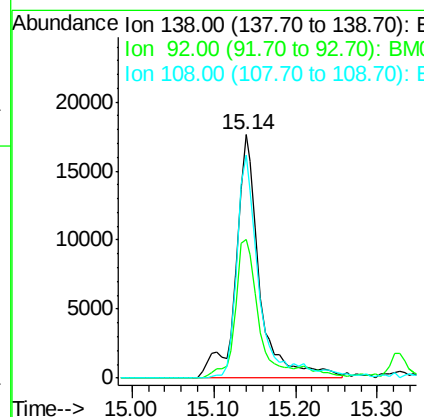
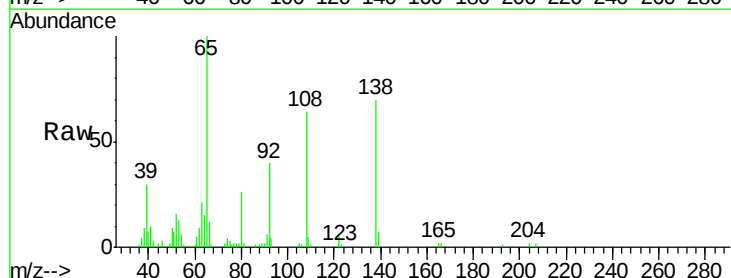
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

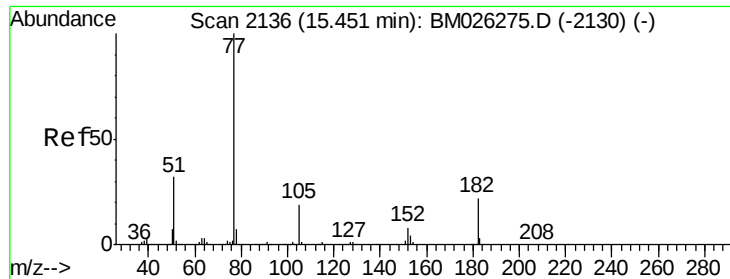
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.6	40.0
141	63.7	49.4	74.2



#62
4-Nitroaniline
Concen: 5.705 ng
RT: 15.14 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.1	37.5	77.5
108	91.6	66.3	106.3





#63

Azobenzene

Concen: 7.776 ng

RT: 15.40 min Scan# 2128

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 77 Resp: 207488

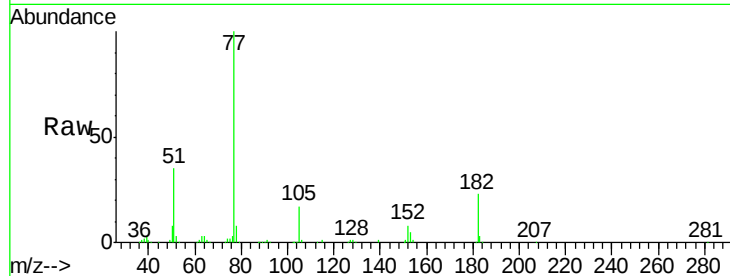
Ion Ratio Lower Upper

77 100

182 23.1 2.1 42.1

105 17.2 0.0 38.3

51 34.9 13.5 53.5

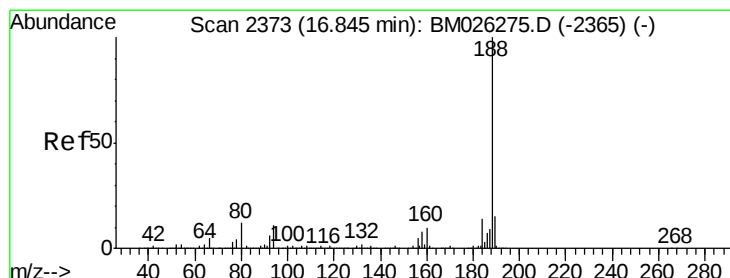
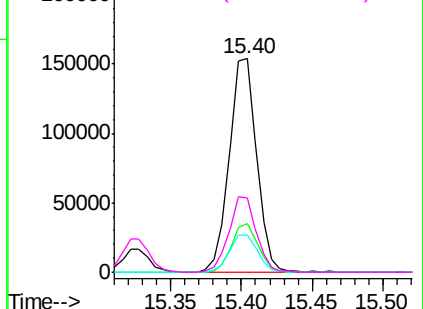
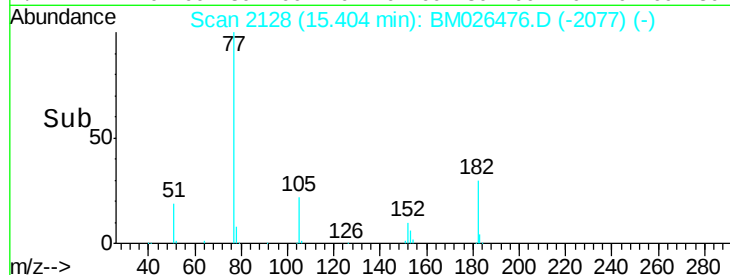


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.80 min Scan# 2365

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

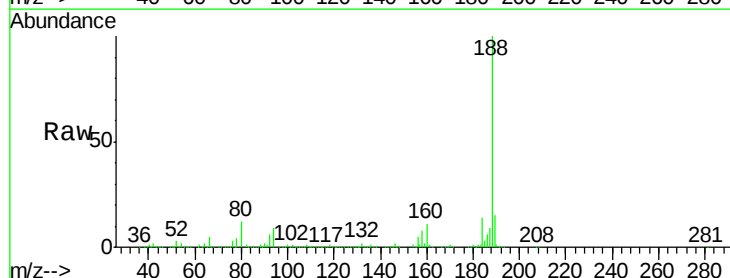
Tgt Ion: 188 Resp: 741595

Ion Ratio Lower Upper

188 100

94 9.5 7.8 11.6

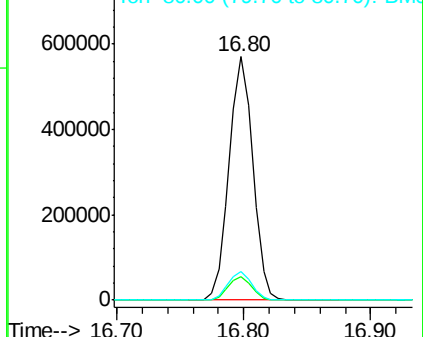
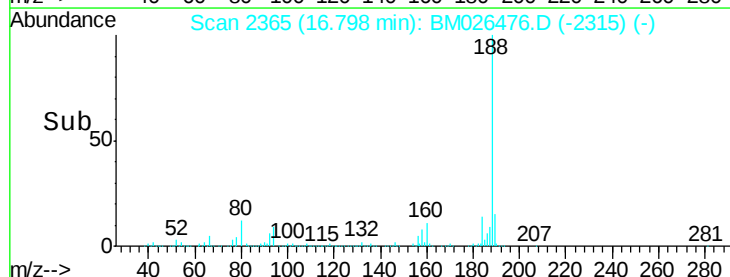
80 11.7 9.5 14.3

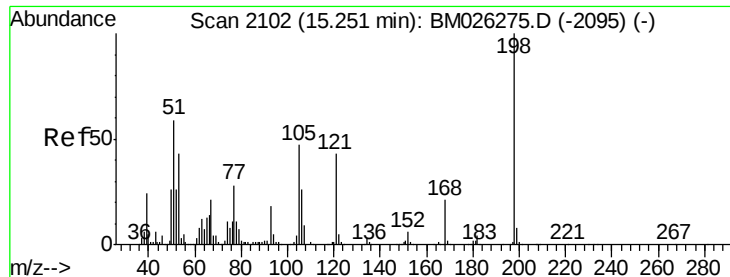


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

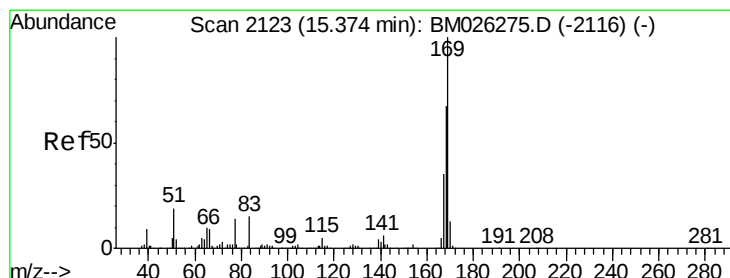
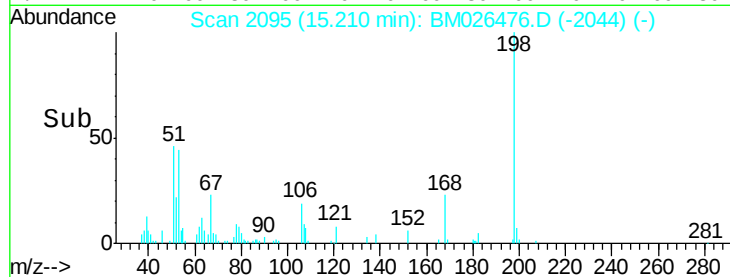
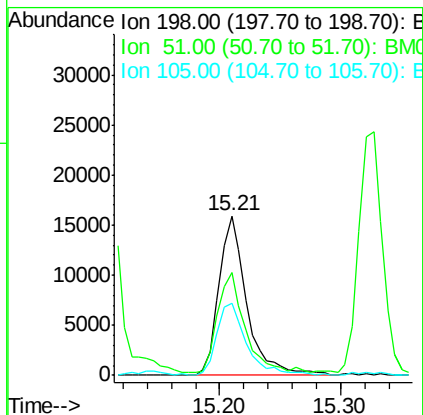
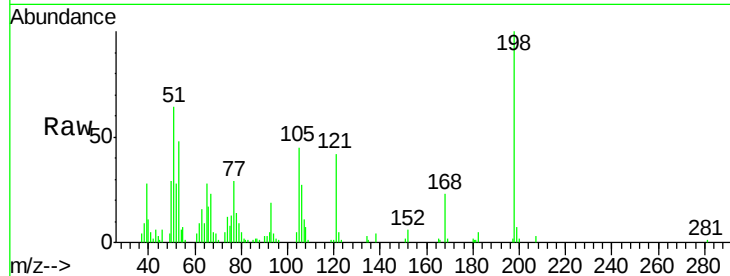




#65
4,6-Dinitro-2-methylphenol
Concen: 5.632 ng
RT: 15.21 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

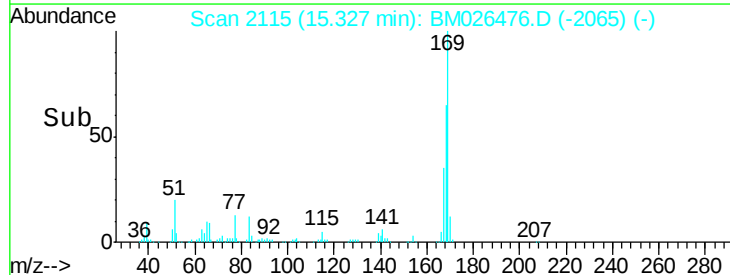
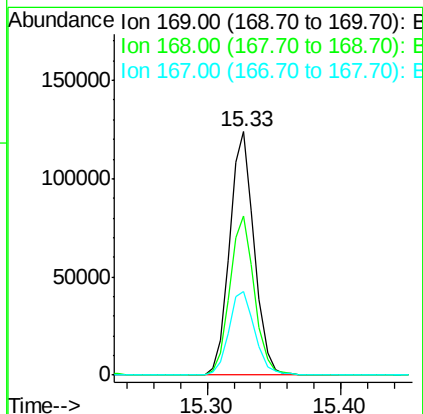
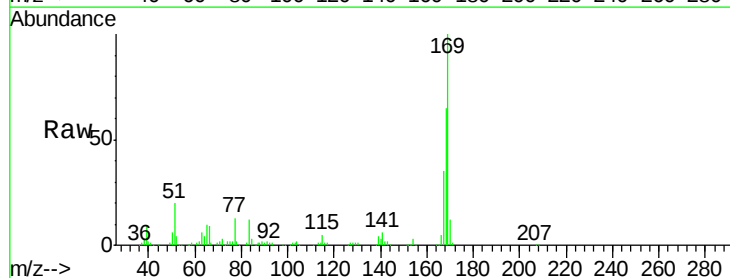
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

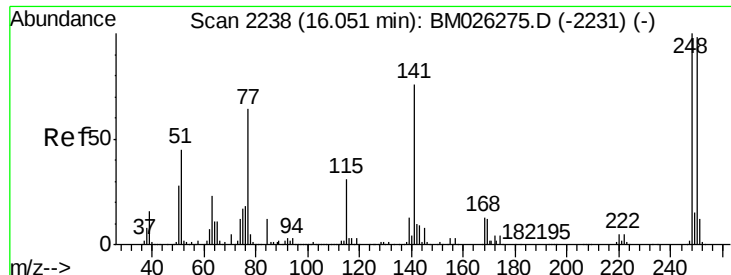
Tot Ion:198 Resp: 25399
Ion Ratio Lower Upper
198 100
51 64.5 35.6 75.6
105 45.4 24.3 64.3



#66
n-Nitrosodiphenylamine
Concen: 7.422 ng
RT: 15.33 min Scan# 2115
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:169 Resp: 159441
Ion Ratio Lower Upper
169 100
168 65.3 51.6 77.4
167 34.6 28.2 42.4

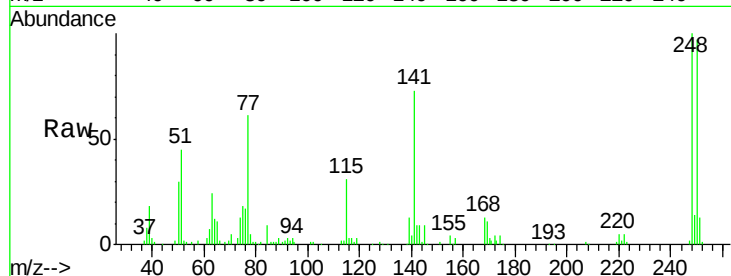




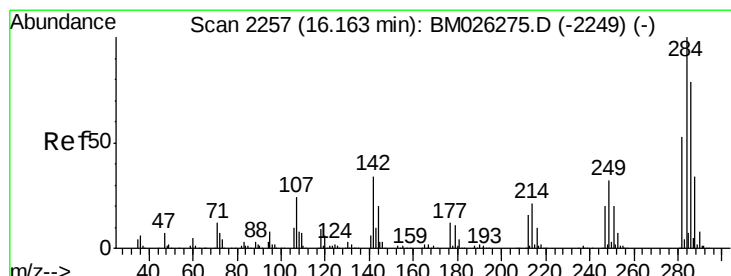
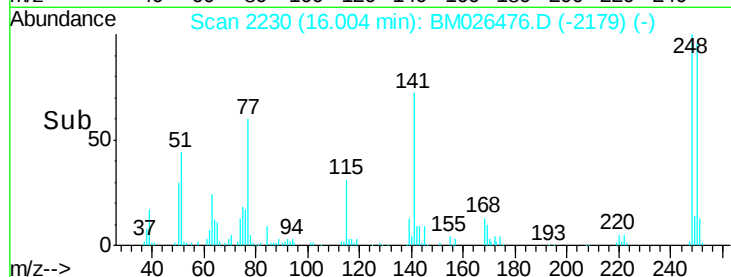
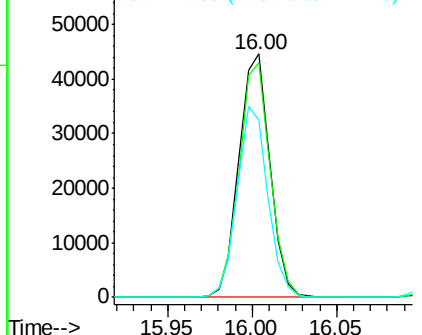
#67
4-Bromophenyl-phenylether
Concen: 7.015 ng
RT: 16.00 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

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

Tot Ion:248 Resp: 57270
Ion Ratio Lower Upper
248 100
250 96.5 78.4 117.6
141 72.6 60.6 91.0

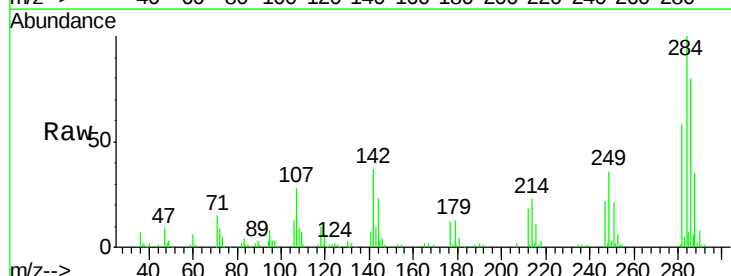


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

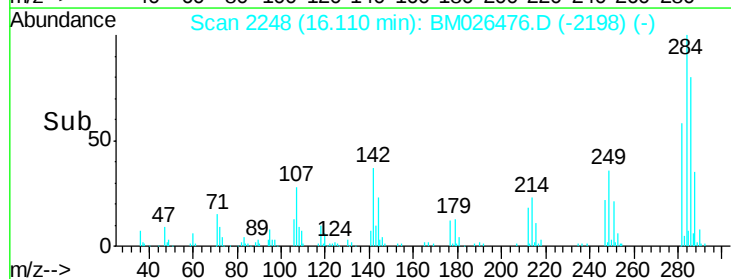
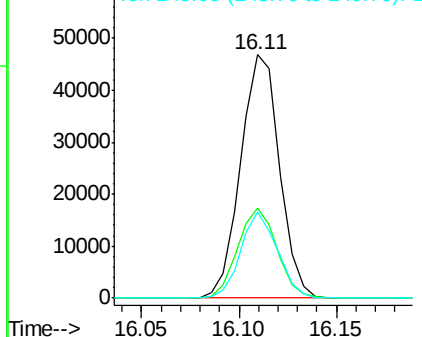


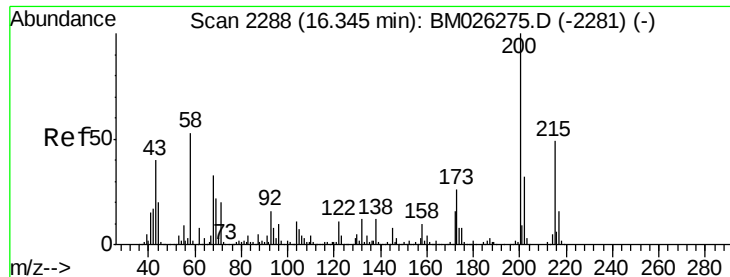
#68
Hexachlorobenzene
Concen: 7.560 ng
RT: 16.11 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion:284 Resp: 64400
Ion Ratio Lower Upper
284 100
142 36.7 29.1 43.7
249 35.5 27.2 40.8



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: 9.750 ng

RT: 16.29 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

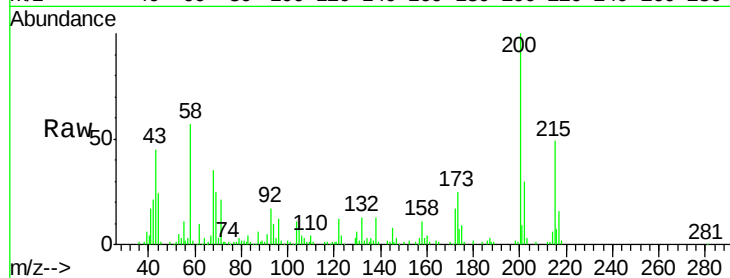
Tot Ion:200 Resp: 62580

Ion Ratio Lower Upper

200 100

173 25.0 6.6 46.6

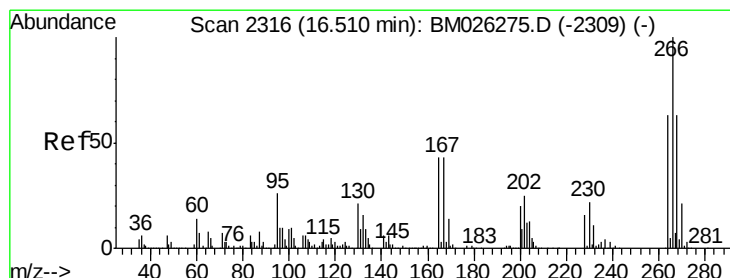
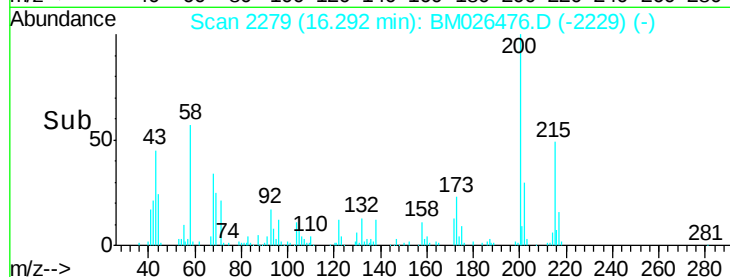
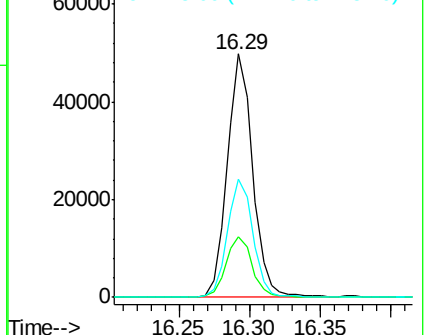
215 48.6 29.8 69.8



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: 5.633 ng

RT: 16.47 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

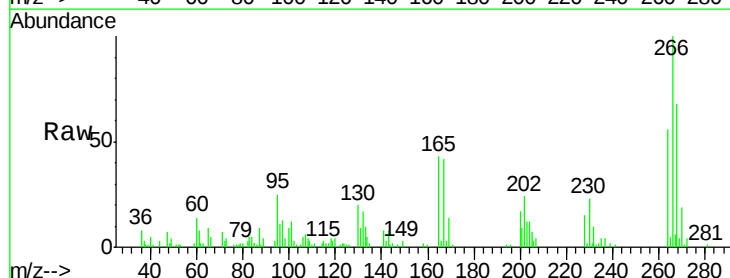
Tgt Ion:266 Resp: 28899

Ion Ratio Lower Upper

266 100

268 68.0 50.2 75.4

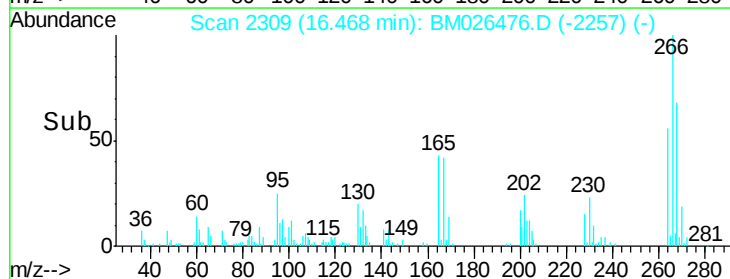
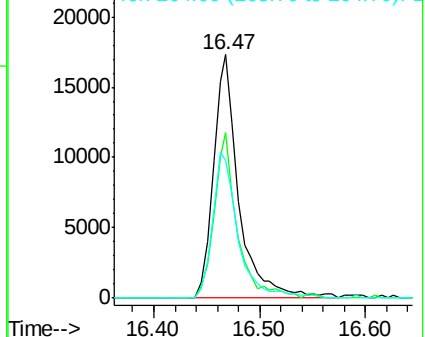
264 56.5 50.6 75.8

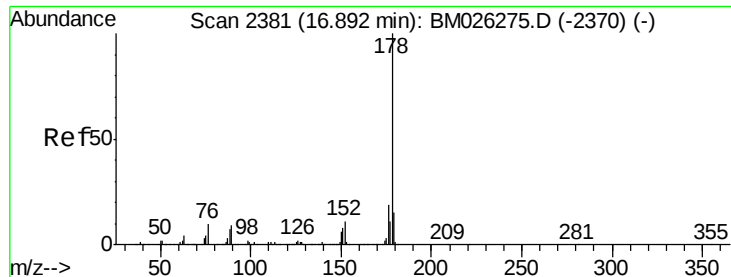


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

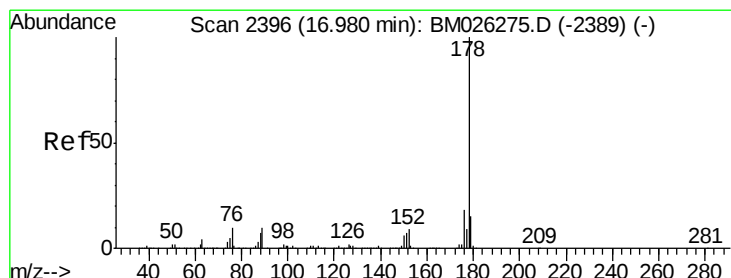
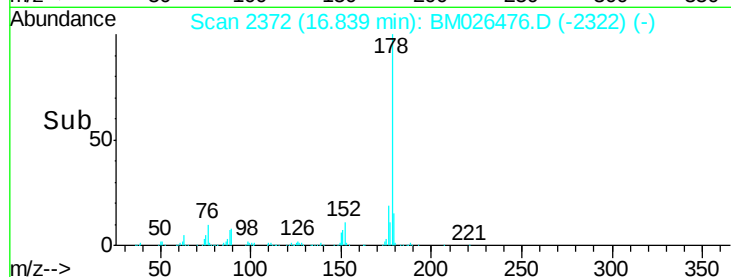
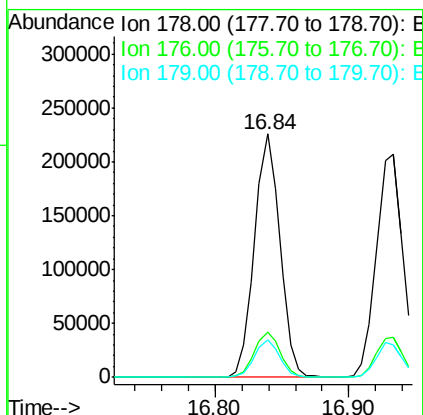
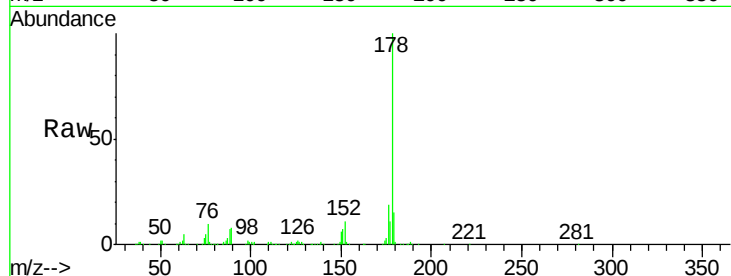




#71
Phenanthrene
Concen: 7.682 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

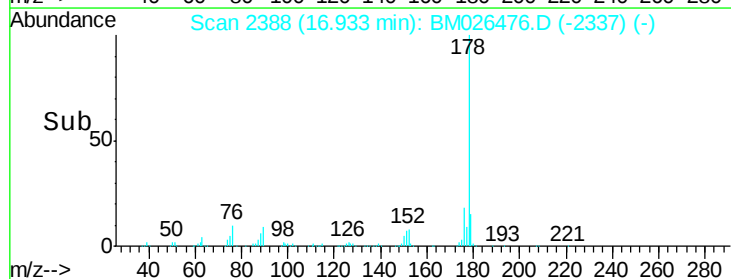
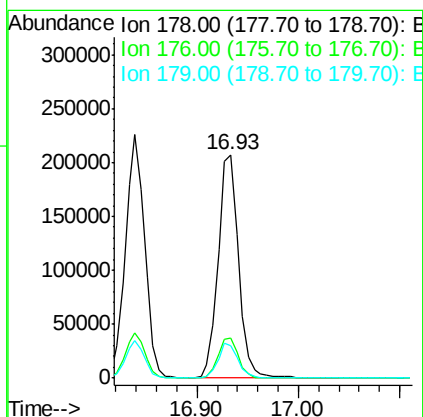
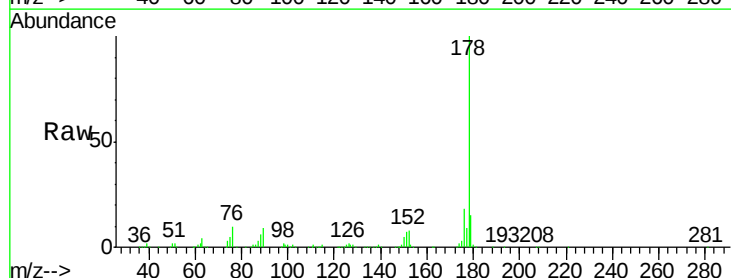
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

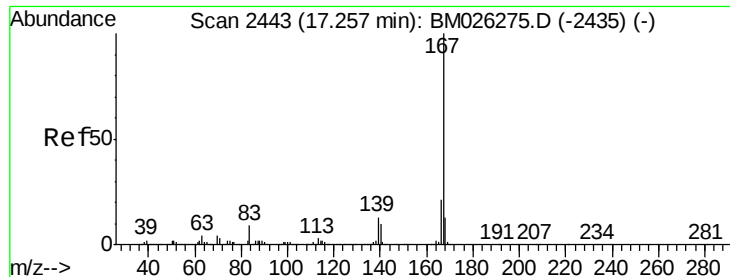
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.4	12.3	18.5



#72
Anthracene
Concen: 7.496 ng
RT: 16.93 min Scan# 2388
Delta R.T. 0.00 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.5	21.7
179	14.6	12.3	18.5

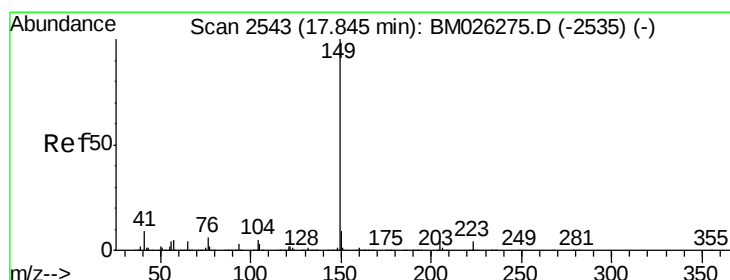
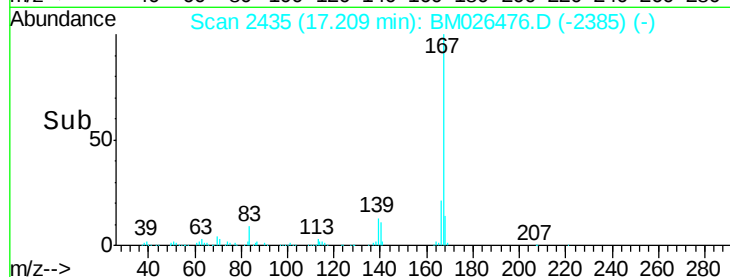
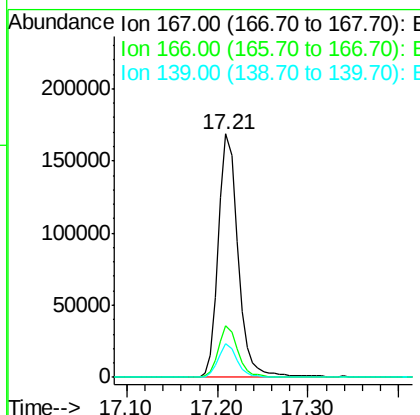
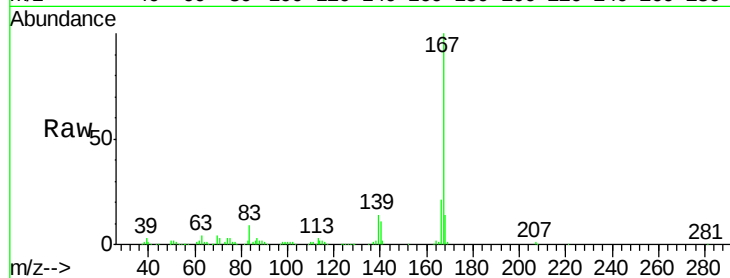




#73
 Carbazole
 Concen: 6.979 ng
 RT: 17.21 min Scan# 2435
 Delta R.T. -0.01 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

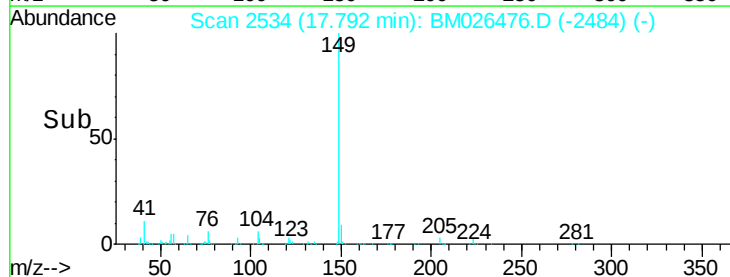
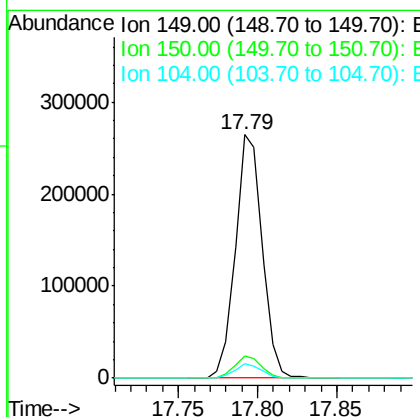
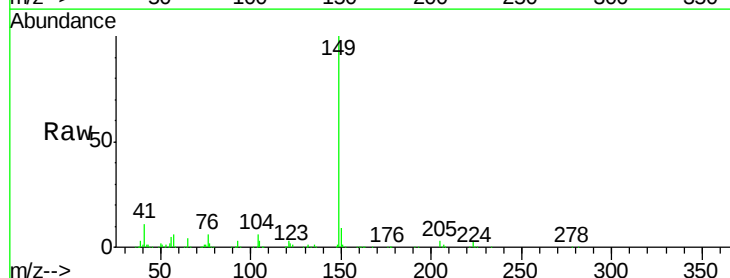
Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

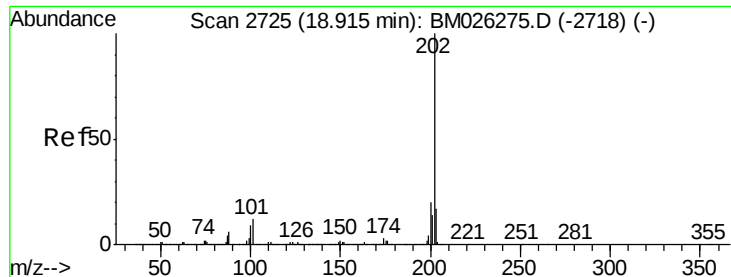
Tot Ion:167 Resp: 255071
 Ion Ratio Lower Upper
 167 100
 166 21.0 16.9 25.3
 139 13.6 10.2 15.4



#74
 Di-n-butylphthalate
 Concen: 7.194 ng
 RT: 17.79 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

Tgt Ion:149 Resp: 310090
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.1 10.7
 104 6.1 4.2 6.2





#75

Fluoranthene

Concen: 7.844 ng

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

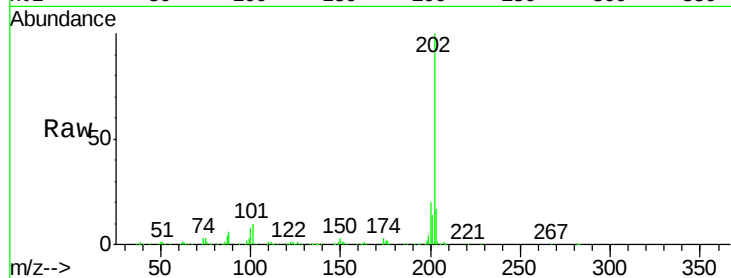
Tot Ion:202 Resp: 347315

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.9

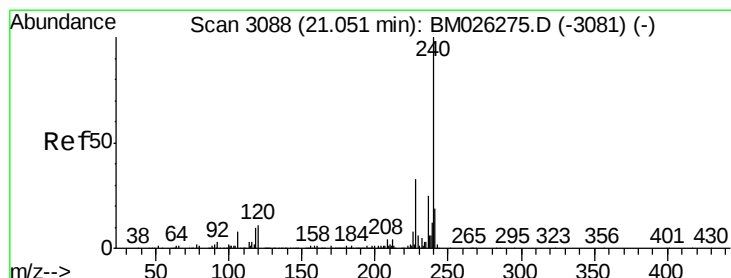
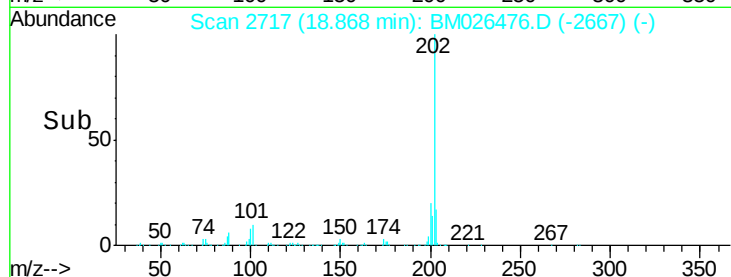
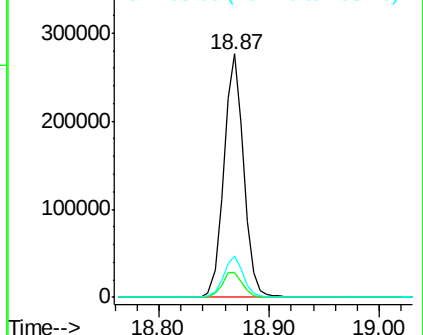
203 17.1 0.0 37.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.01 min Scan# 3081

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

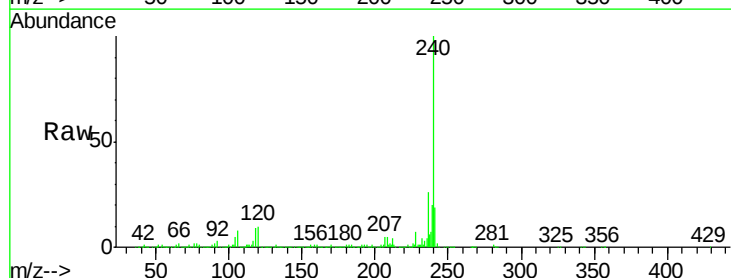
Tgt Ion:240 Resp: 753179

Ion Ratio Lower Upper

240 100

120 10.1 9.3 13.9

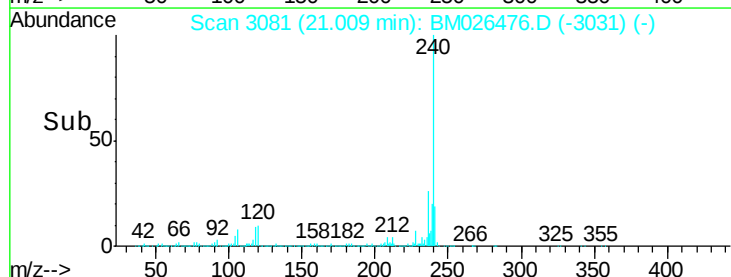
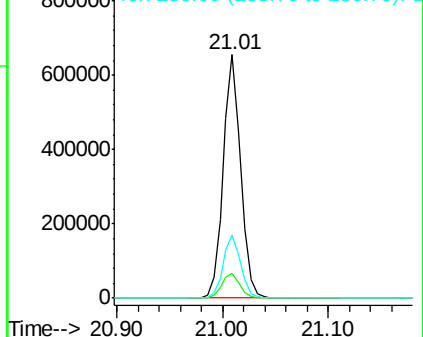
236 25.9 19.4 29.0

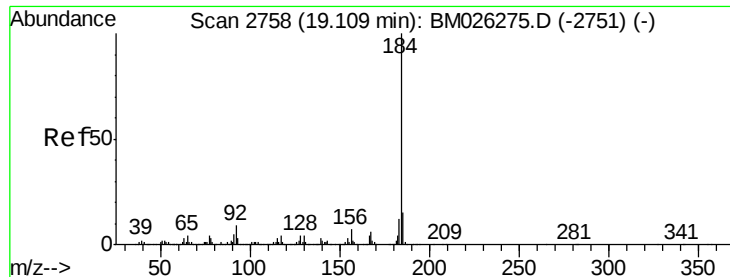


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 7.191 ng

RT: 19.07 min Scan# 2751

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

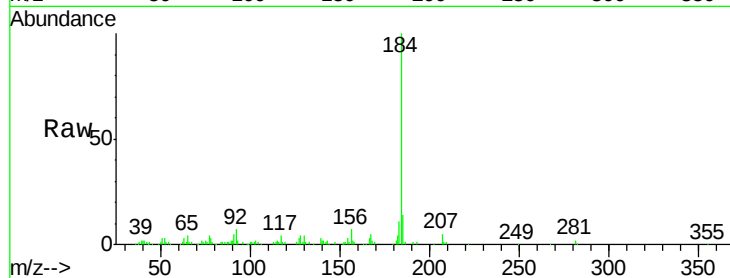
Tot Ion:184 Resp: 112502

Ion Ratio Lower Upper

184 100

185 14.3 11.2 16.8

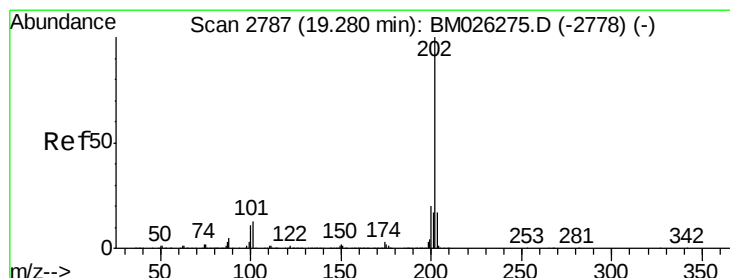
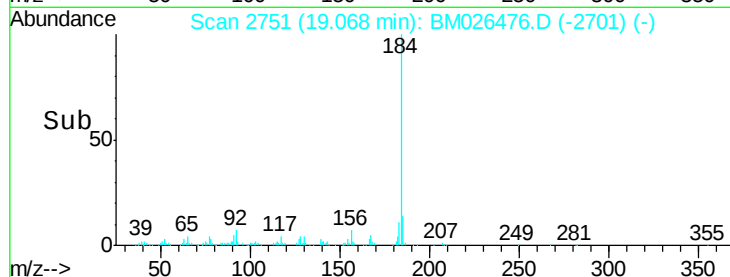
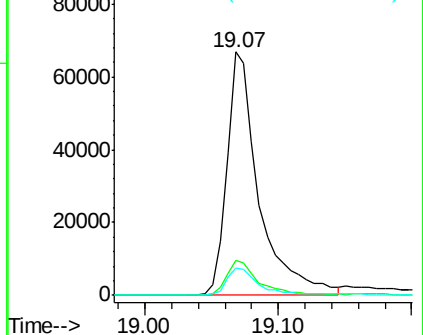
183 11.0 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.326 ng

RT: 19.23 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

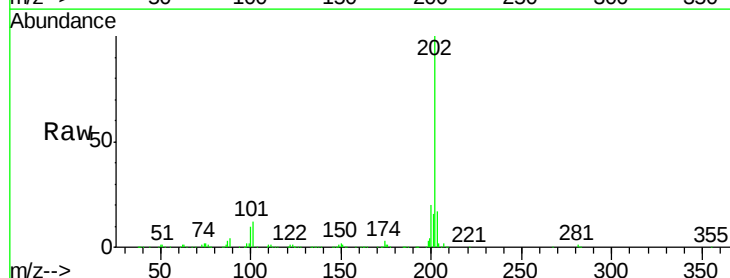
Tgt Ion:202 Resp: 364574

Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

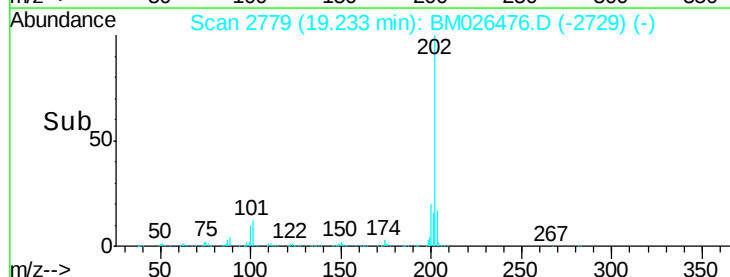
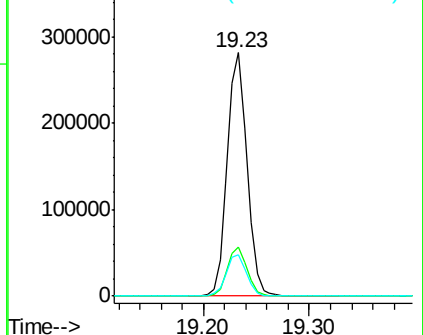
203 17.2 13.8 20.6

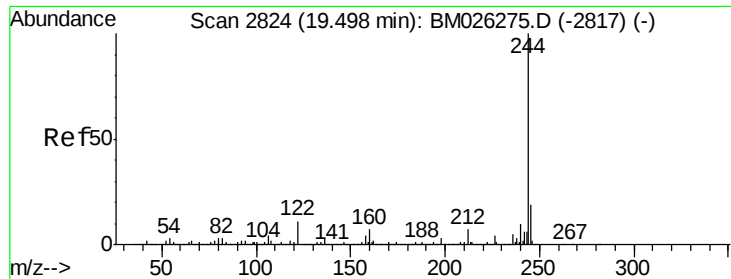


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 111.033 ng

RT: 19.46 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

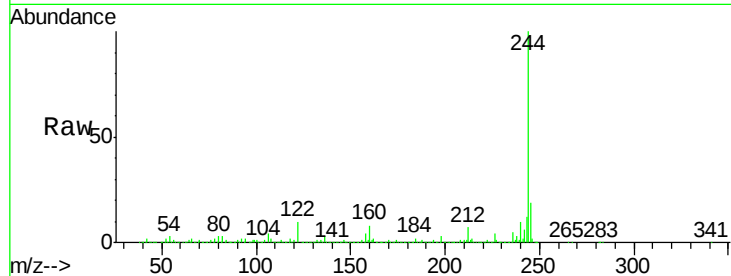
Tot Ion:244 Resp: 4308080

Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

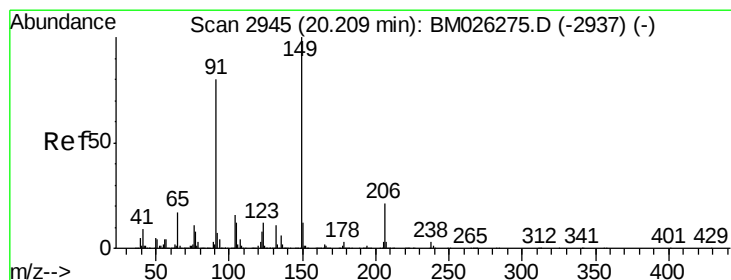
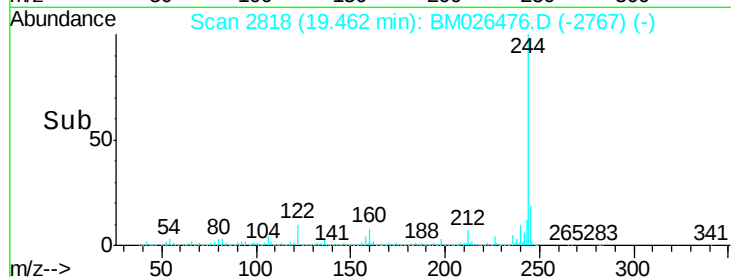
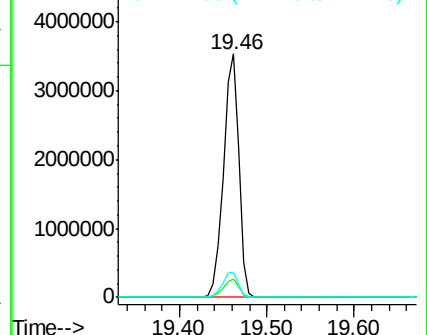
122 10.3 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.928 ng

RT: 20.17 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

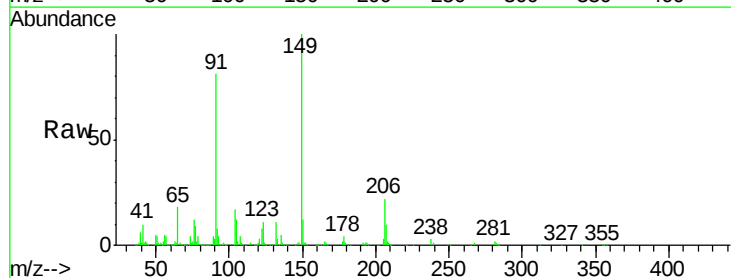
Tgt Ion:149 Resp: 139412

Ion Ratio Lower Upper

149 100

91 80.5 64.6 97.0

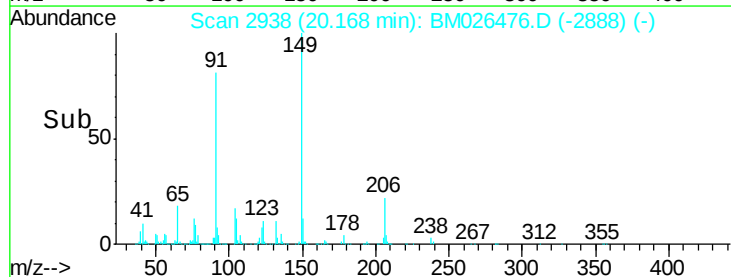
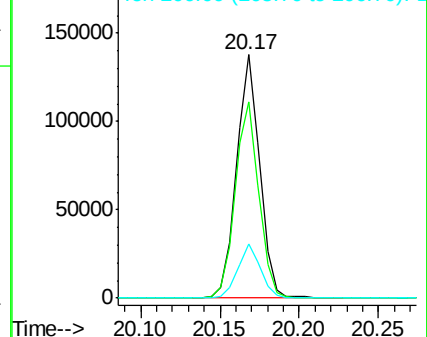
206 22.3 17.6 26.4

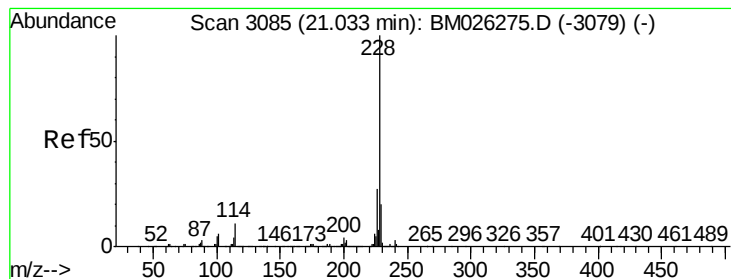


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.043 ng

RT: 20.99 min Scan# 3078

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

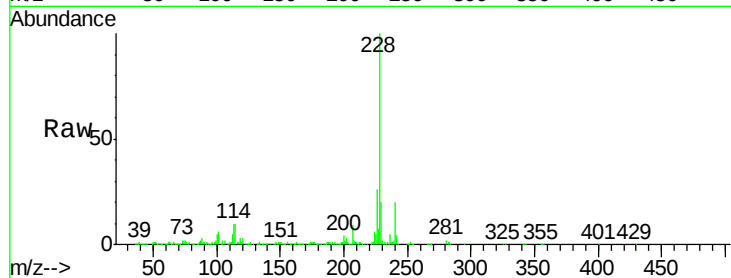
Tot Ion:228 Resp: 363610

Ion Ratio Lower Upper

228 100

226 26.2 21.1 31.7

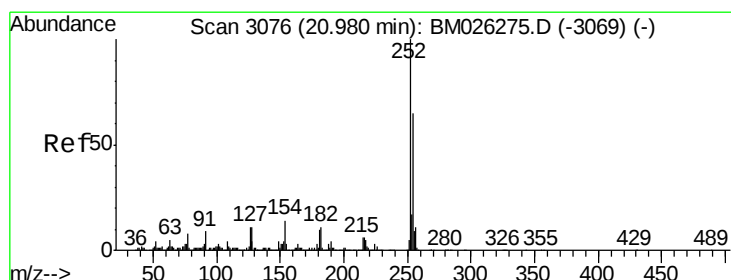
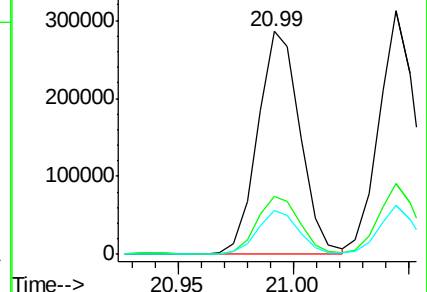
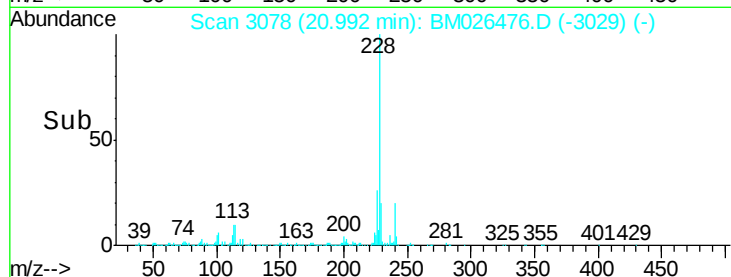
229 19.6 15.7 23.5



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: 9.324 ng

RT: 20.94 min Scan# 3069

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

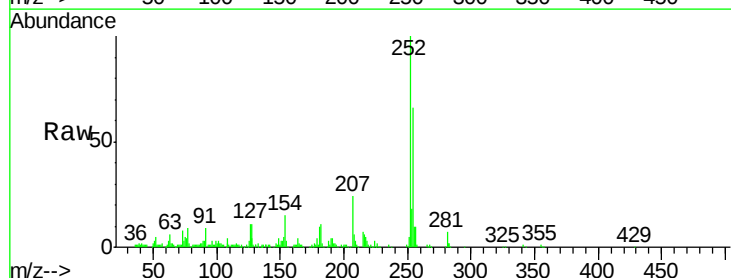
Tgt Ion:252 Resp: 130417

Ion Ratio Lower Upper

252 100

254 65.6 51.0 76.6

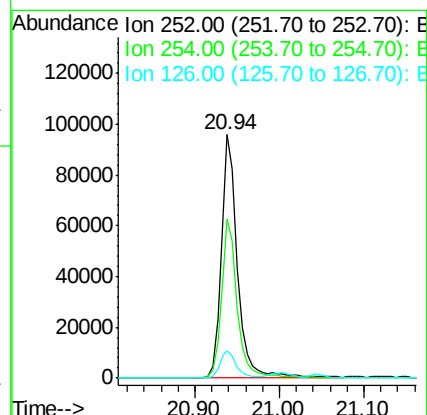
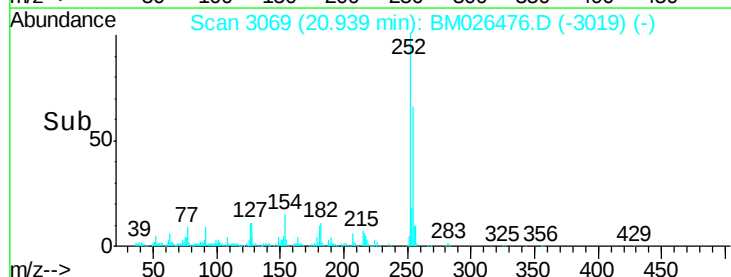
126 11.3 9.2 13.8

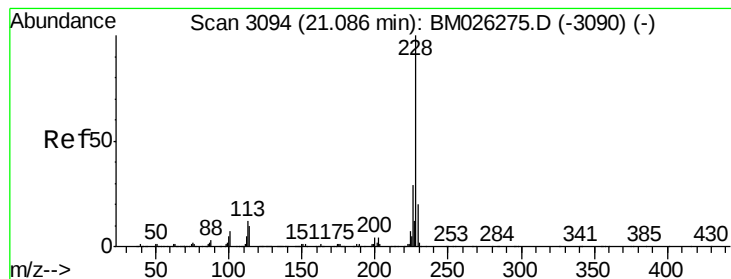


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 8.173 ng

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

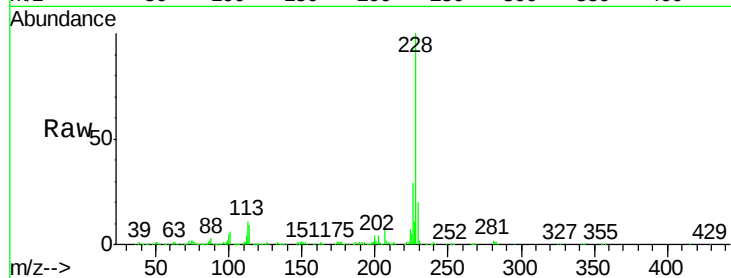
Tot Ion:228 Resp: 352100

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

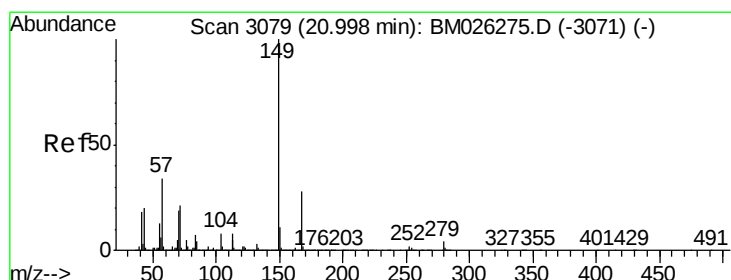
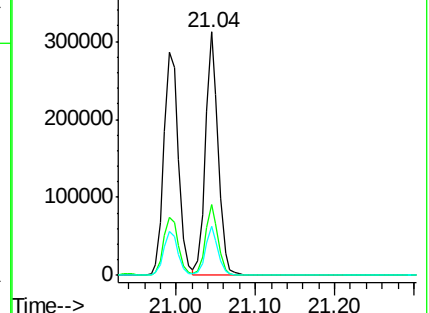
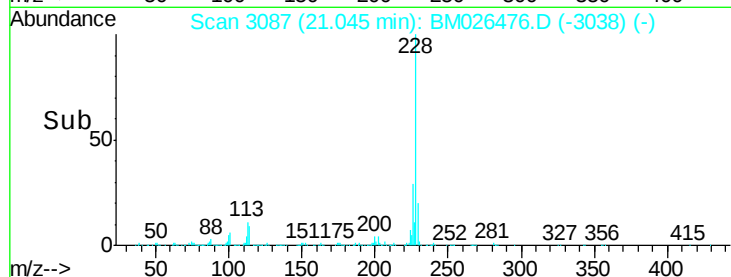
229 20.2 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.569 ng

RT: 20.96 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

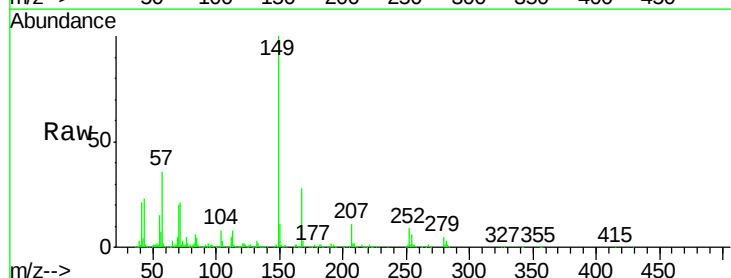
Tgt Ion:149 Resp: 217181

Ion Ratio Lower Upper

149 100

167 27.7 22.0 33.0

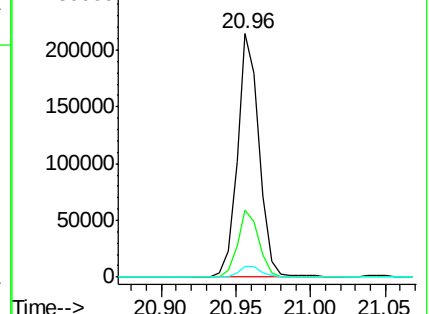
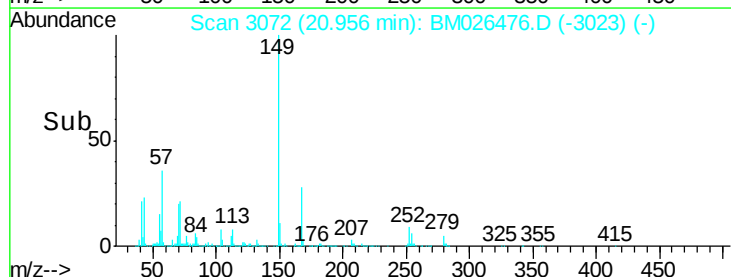
279 4.6 3.7 5.5

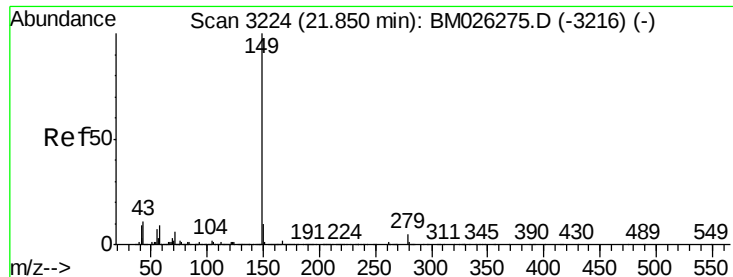


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.838 ng

RT: 21.80 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

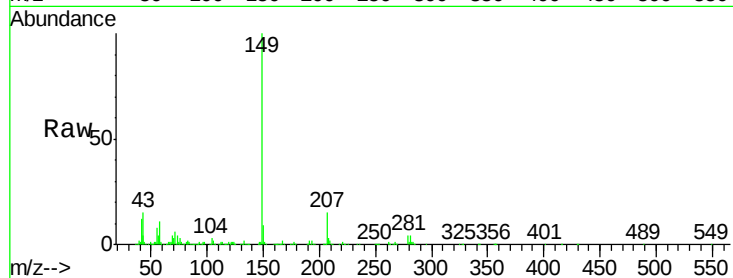
Tot Ion:149 Resp: 346934

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

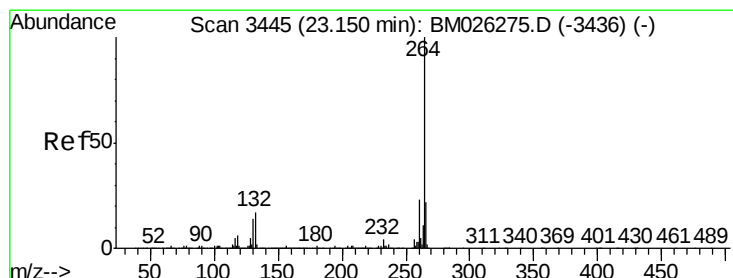
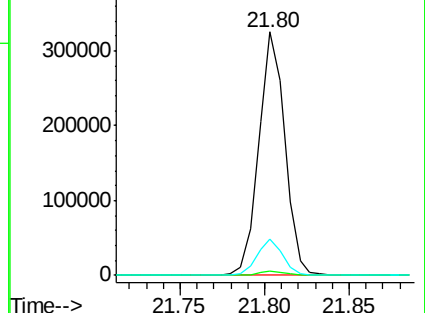
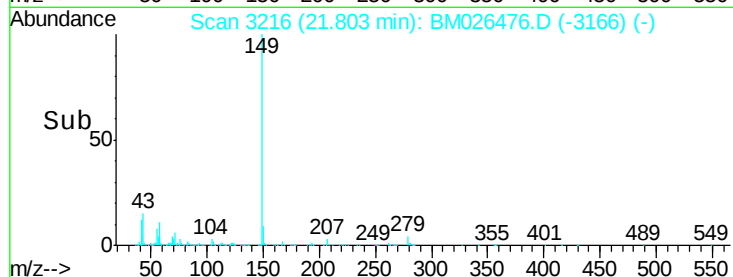
43 14.6 10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.10 min Scan# 3436

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

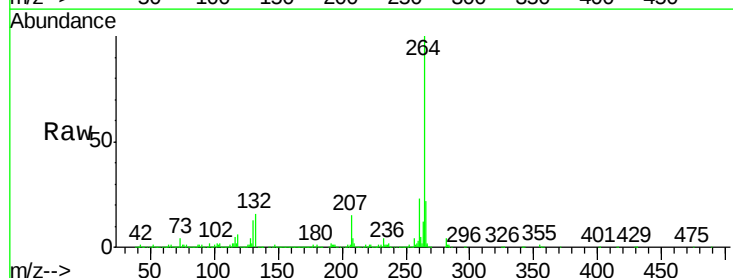
Tgt Ion:264 Resp: 728021

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

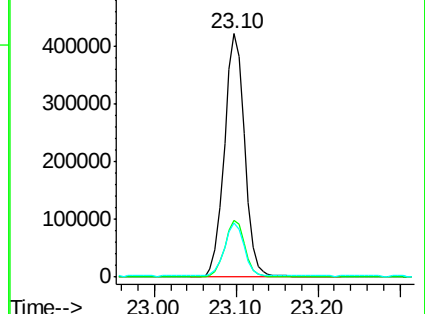
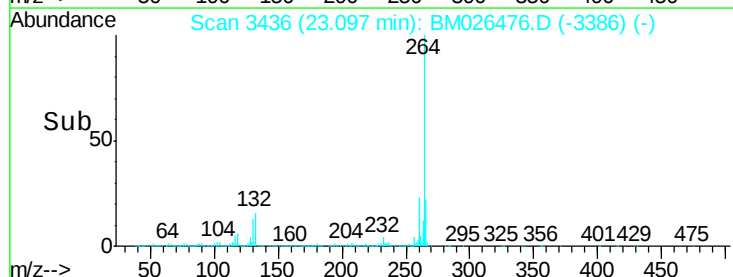
265 22.0 17.8 26.6

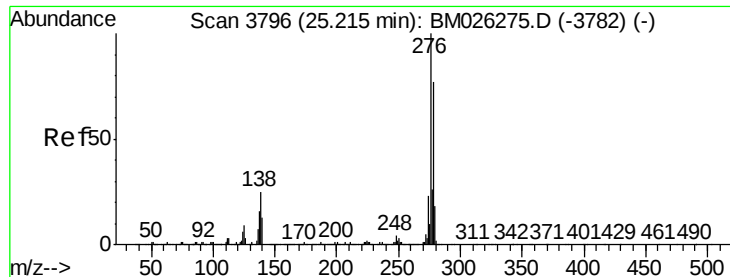


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

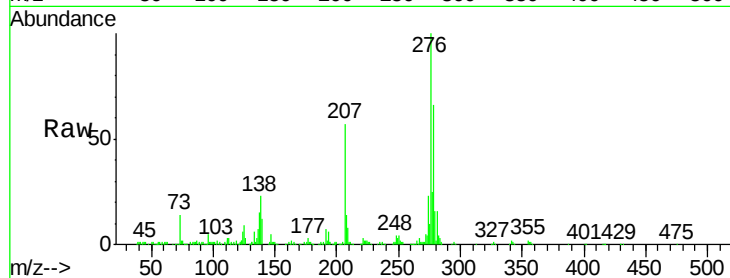




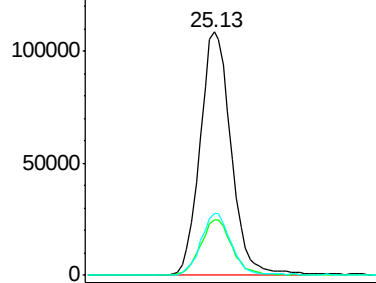
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.296 ng
 RT: 25.13 min Scan# 3781
 Delta R.T. -0.02 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

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

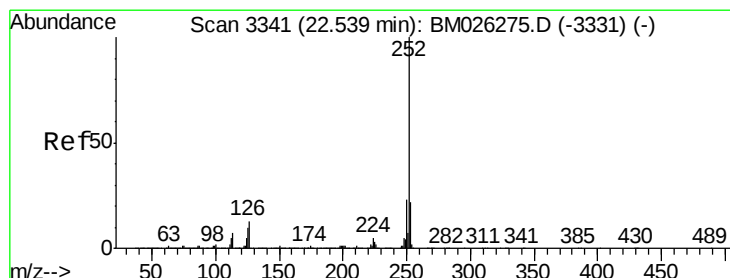
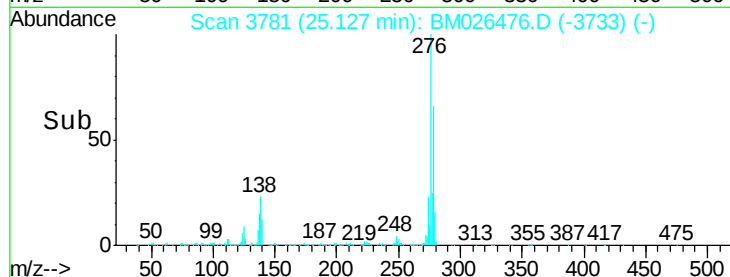
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.3	19.0	28.6
277	25.1	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

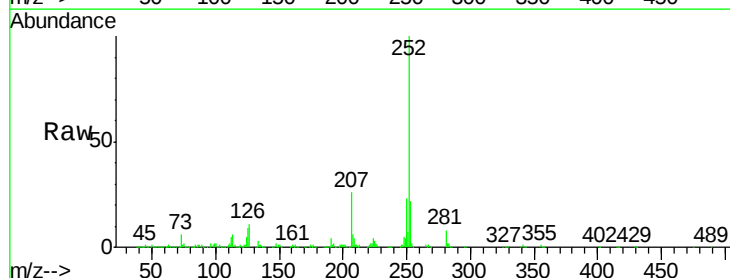


Time-->

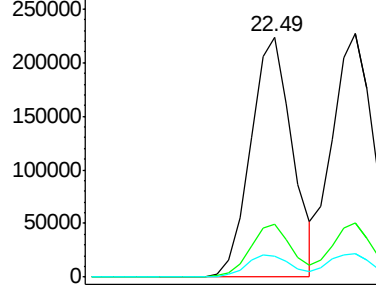


#88
 Benzo(b)fluoranthene
 Concen: 7.518 ng
 RT: 22.49 min Scan# 3332
 Delta R.T. -0.01 min
 Lab File: BM026476.D
 Acq: 19 Jun 2020 21:30

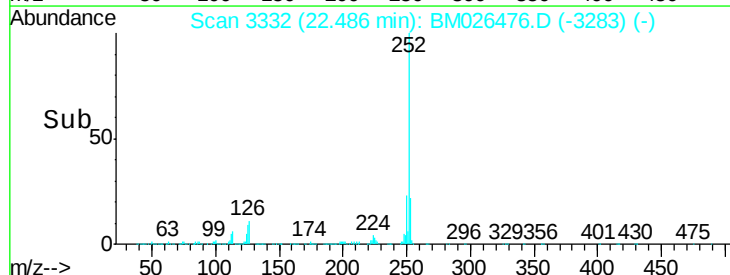
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.8	8.0	12.0

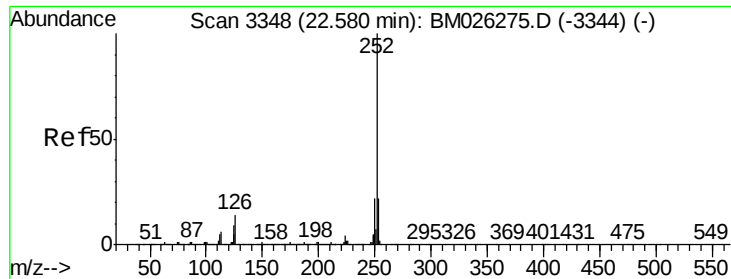


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E



Time-->

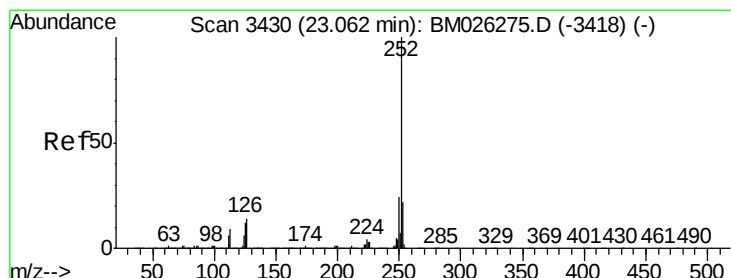
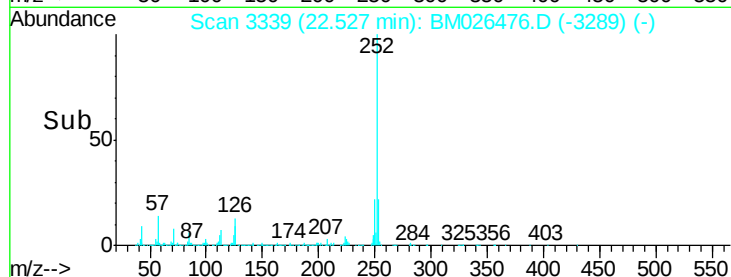
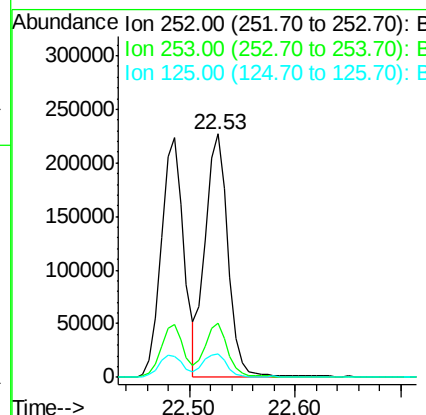
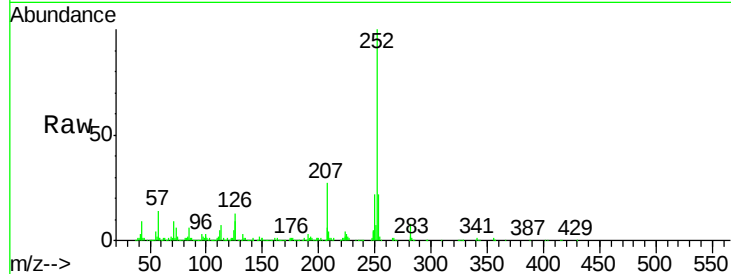




#89
Benzo(k)fluoranthene
Concen: 7.988 ng
RT: 22.53 min Scan# 3339
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

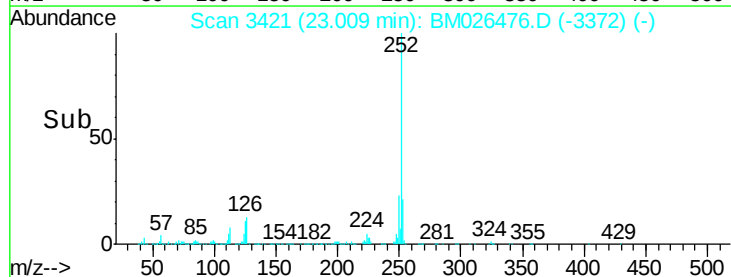
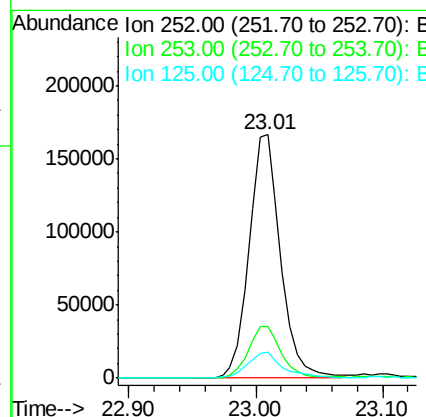
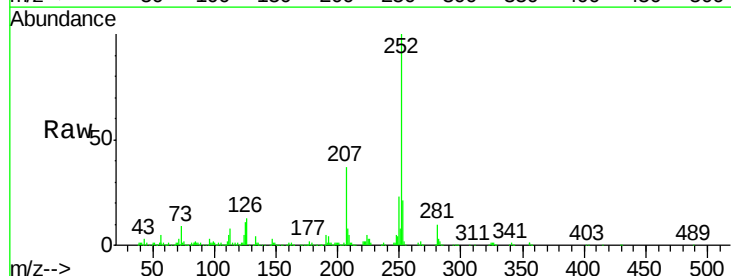
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

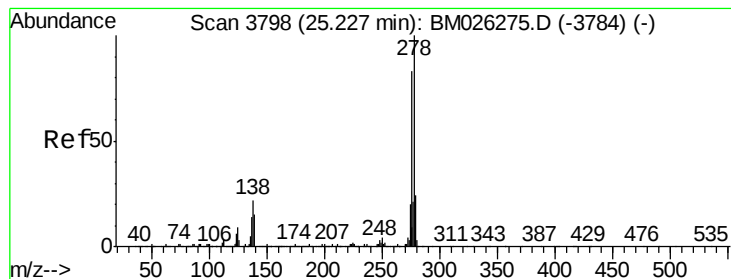
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	9.4	7.8	11.8



#90
Benzo(a)pyrene
Concen: 7.325 ng
RT: 23.01 min Scan# 3421
Delta R.T. -0.01 min
Lab File: BM026476.D
Acq: 19 Jun 2020 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	10.7	8.6	12.8





#91

Dibenzo(a,h)anthracene

Concen: 7.388 ng

RT: 25.14 min Scan# 3783

Delta R.T. -0.02 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

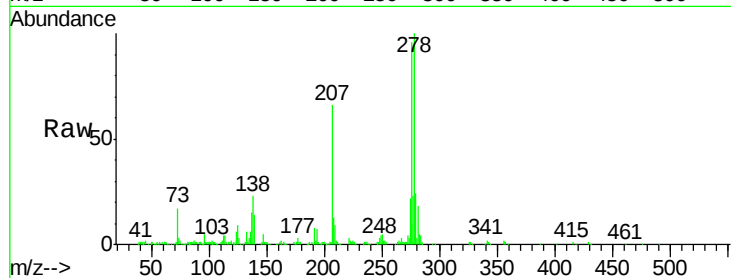
Tot Ion:278 Resp: 259758

Ion Ratio Lower Upper

278 100

139 14.3 12.3 18.5

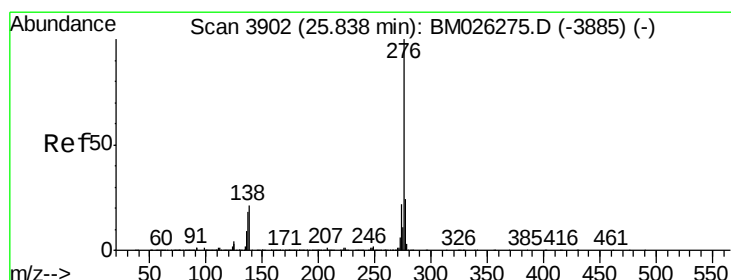
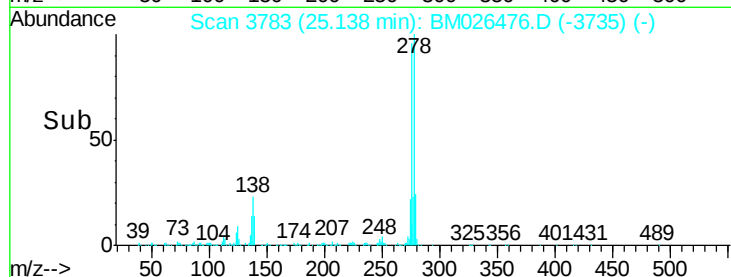
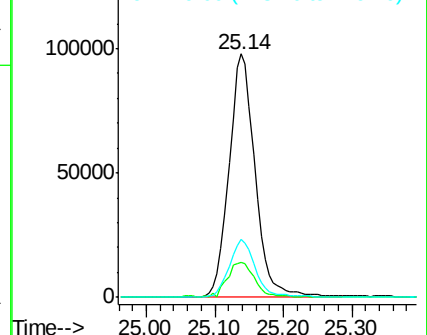
279 23.7 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.508 ng

RT: 25.75 min Scan# 3887

Delta R.T. -0.01 min

Lab File: BM026476.D

Acq: 19 Jun 2020 21:30

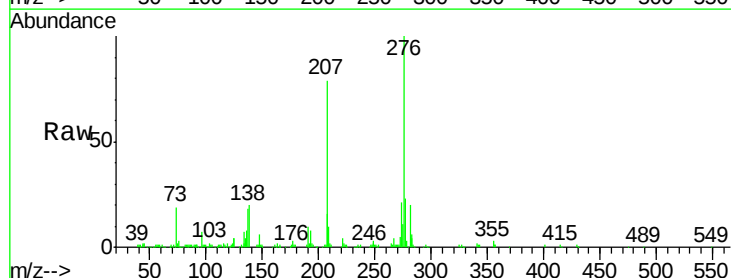
Tgt Ion:276 Resp: 251192

Ion Ratio Lower Upper

276 100

277 22.7 19.0 28.4

138 20.0 16.2 24.4



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

