

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062220\
 Data File : BM026486.D
 Acq On : 22 Jun 2020 12:20
 Operator : JU/CG
 Sample : L1161-03
 Misc : MDL-MDL-S-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Quant Time: Jun 22 12:53:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 10:20:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	97521	20.00	ng	0.00
21) Naphthalene-d8	10.14	136	414033	20.00	ng	0.00
39) Acenaphthene-d10	14.04	164	277000	20.00	ng	0.00
64) Phenanthrene-d10	16.80	188	617881	20.00	ng	0.00
76) Chrysene-d12	21.01	240	640432	20.00	ng	0.00
86) Perylene-d12	23.10	264	614818	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	895181	162.29	ng	0.00
7) Phenol-d6	6.59	99	1329859	166.50	ng	0.00
23) Nitrobenzene-d5	8.53	82	987257	117.08	ng	0.00
42) 2,4,6-Tribromophenol	15.55	330	655678	195.41	ng	0.00
45) 2-Fluorobiphenyl	12.65	172	2124776	116.44	ng	0.00
79) Terphenyl-d14	19.46	244	3729995	113.06	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	19726	7.932	ng	# 88
3) Pyridine	3.41	79	43942	6.016	ng	96
4) n-Nitrosodimethylamine	3.32	42	29516	8.162	ng	84
6) Aniline	6.73	93	76296	7.283	ng	98
8) 2-Chlorophenol	6.96	128	48484	7.621	ng	99
9) Benzaldehyde	6.55	77	46086	9.049	ng	97
10) Phenol	6.62	94	62483	7.346	ng	87
11) bis(2-Chloroethyl)ether	6.83	93	48377	7.061	ng	98
12) 1,3-Dichlorobenzene	7.27	146	51185	7.267	ng	96
13) 1,4-Dichlorobenzene	7.42	146	52236	7.281	ng	97
14) 1,2-Dichlorobenzene	7.73	146	51774	7.387	ng	99
15) Benzyl Alcohol	7.64	79	46494	6.855	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.92	45	98554	7.702	ng	98
17) 2-Methylphenol	7.85	107	39613	6.372	ng	96
18) Hexachloroethane	8.44	117	19992	7.358	ng	99
19) n-Nitroso-di-n-propylamine	8.19	70	48173	7.740	ng	95
20) 3+4-Methylphenols	8.17	107	52215	6.162	ng	100
22) Acetophenone	8.20	105	83360	7.830	ng	# 92
24) Nitrobenzene	8.57	77	73072	8.278	ng	98
25) Isophorone	9.10	82	119849	7.565	ng	99
26) 2-Nitrophenol	9.28	139	23422	6.704	ng	# 86
27) 2,4-Dimethylphenol	9.36	122	33249	6.029	ng	98
28) bis(2-Chloroethoxy)methane	9.59	93	70829	7.881	ng	99
29) 2,4-Dichlorophenol	9.82	162	40720	6.729	ng	97
30) 1,2,4-Trichlorobenzene	10.02	180	51920	7.825	ng	99
31) Naphthalene	10.19	128	162107	7.770	ng	99
32) Benzoic acid	9.46	122	7464	1.821	ng	99
33) 4-Chloroaniline	10.32	127	62753	6.896	ng	99
34) Hexachlorobutadiene	10.48	225	31716	7.571	ng	94
35) Caprolactam	11.10	113	15132	7.118	ng	# 86
36) 4-Chloro-3-methylphenol	11.46	107	53133	7.206	ng	99
37) 2-Methylnaphthalene	11.82	142	116718	7.850	ng	98
38) 1-Methylnaphthalene	12.04	142	114855	8.155	ng	95
40) 1,2,4,5-Tetrachlorobenzene	12.20	216	63295	8.027	ng	99

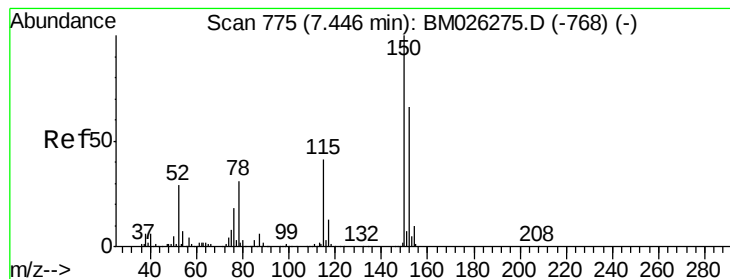
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062220\
 Data File : BM026486.D
 Acq On : 22 Jun 2020 12:20
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 10:20:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.18	237	14945	3.216	ng	95
43) 2,4,6-Trichlorophenol	12.46	196	35486	6.649	ng	96
44) 2,4,5-Trichlorophenol	12.54	196	39010	6.297	ng	95
46) 1,1'-Biphenyl	12.86	154	160110	8.245	ng	99
47) 2-Chloronaphthalene	12.90	162	118404	7.506	ng	98
48) 2-Nitroaniline	13.12	65	41122	6.578	ng	91
49) Acenaphthylene	13.76	152	190321	7.544	ng	98
50) Dimethylphthalate	13.52	163	155091	7.655	ng	99
51) 2,6-Dinitrotoluene	13.63	165	31813	7.156	ng	93
52) Acenaphthene	14.10	154	113751	7.510	ng	99
53) 3-Nitroaniline	13.97	138	27527	5.560	ng	95
54) 2,4-Dinitrophenol	14.19	184	9613	3.558	ng	86
55) Dibenzofuran	14.45	168	187897	7.699	ng	99
56) 4-Nitrophenol	14.31	139	17396	4.431	ng	# 82
57) 2,4-Dinitrotoluene	14.43	165	42329	6.848	ng	# 81
58) Fluorene	15.10	166	150600	7.598	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.60	232	35696	6.737	ng	93
60) Diethylphthalate	14.90	149	158194	7.666	ng	100
61) 4-Chlorophenyl-phenylether	15.10	204	78846	7.499	ng	98
62) 4-Nitroaniline	15.14	138	23648	4.479	ng	92
63) Azobenzene	15.40	77	175224	7.761	ng	95
65) 4,6-Dinitro-2-methylphenol	15.21	198	19197	5.109	ng	91
66) n-Nitrosodiphenylamine	15.33	169	133296	7.447	ng	100
67) 4-Bromophenyl-phenylether	16.00	248	47189	6.938	ng	97
68) Hexachlorobenzene	16.11	284	54778	7.718	ng	95
69) Atrazine	16.29	200	52438	9.806	ng	100
70) Pentachlorophenol	16.46	266	22975	5.375	ng	99
71) Phenanthrene	16.84	178	247986	7.707	ng	98
72) Anthracene	16.93	178	240454	7.488	ng	99
73) Carbazole	17.21	167	211394	6.942	ng	99
74) Di-n-butylphthalate	17.79	149	259293	7.220	ng	98
75) Fluoranthene	18.87	202	294400	7.981	ng	97
77) Benzidine	19.07	184	88694	6.667	ng	97
78) Pyrene	19.23	202	305989	7.231	ng	99
80) Butylbenzylphthalate	20.17	149	115012	6.721	ng	100
81) Benzo(a)anthracene	20.99	228	308353	8.021	ng	99
82) 3,3'-Dichlorobenzidine	20.94	252	102047	8.580	ng	99
83) Chrysene	21.04	228	298834	8.157	ng	98
84) Bis(2-ethylhexyl)phthalate	20.96	149	181887	7.455	ng	99
85) Di-n-octyl phthalate	21.80	149	290666	7.722	ng	96
87) Indeno(1,2,3-cd)pyrene	25.13	276	262470	7.380	ng	99
88) Benzo(b)fluoranthene	22.49	252	271027	7.328	ng	99
89) Benzo(k)fluoranthene	22.53	252	289762	8.064	ng	100
90) Benzo(a)pyrene	23.01	252	238709	7.267	ng	99
91) Dibenzo(a,h)anthracene	25.14	278	221668	7.466	ng	96
92) Benzo(g,h,i)perylene	25.74	276	213490	7.556	ng	98

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

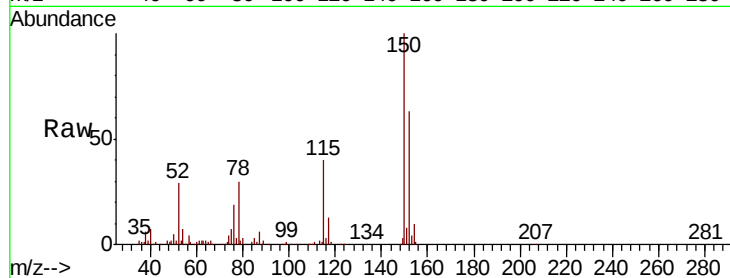


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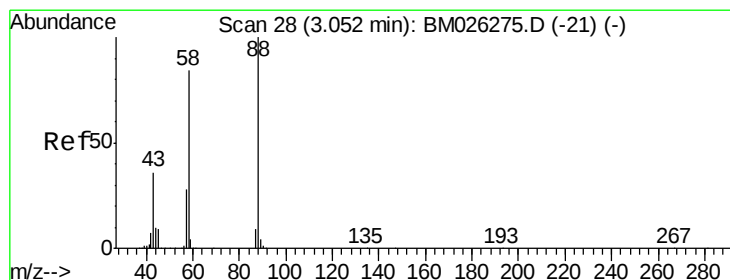
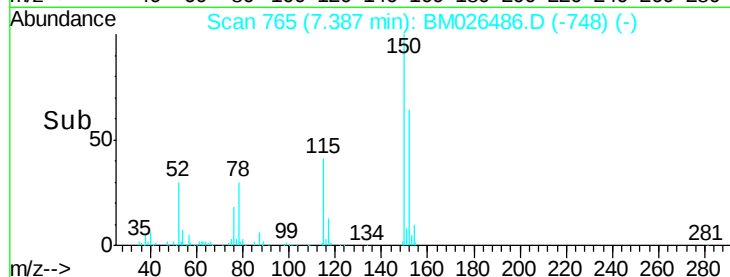
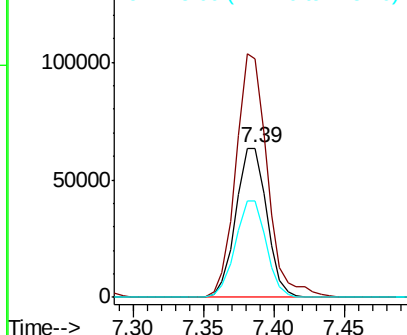
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 765
Delta R.T. 0.00 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:152 Resp: 97521
Ion Ratio Lower Upper
152 100
150 159.4 127.8 191.6
115 64.1 51.5 77.3



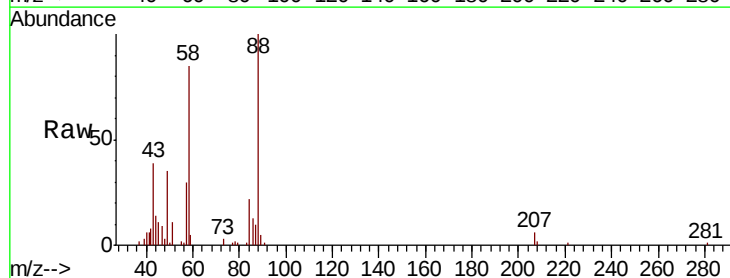
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



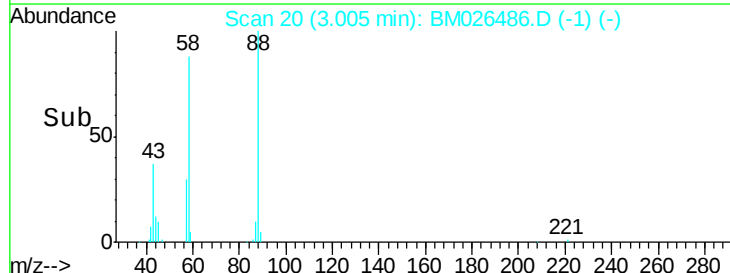
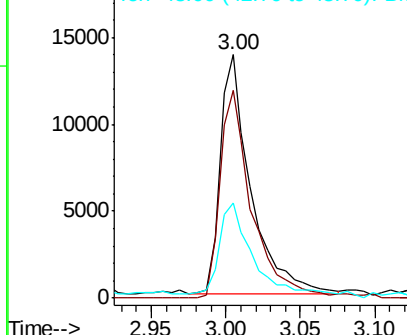
#2

1,4-Dioxane
Concen: 7.932 ng
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion: 88 Resp: 19726
Ion Ratio Lower Upper
88 100
58 92.0 67.7 101.5
43 48.1 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

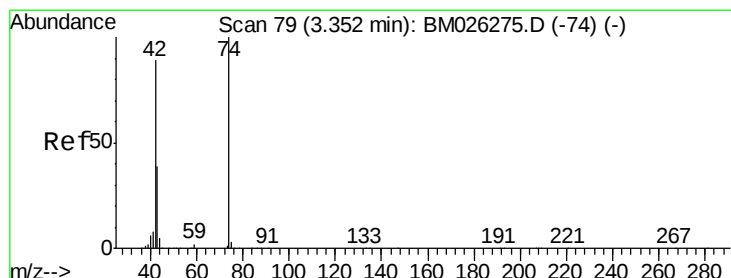
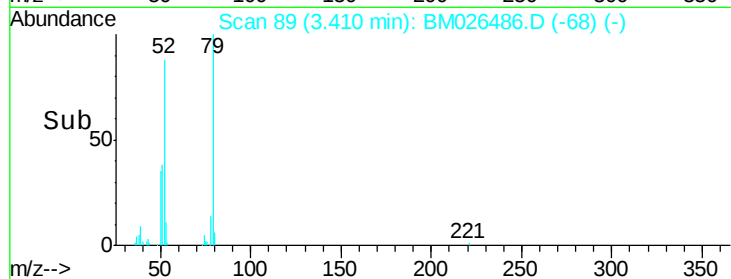
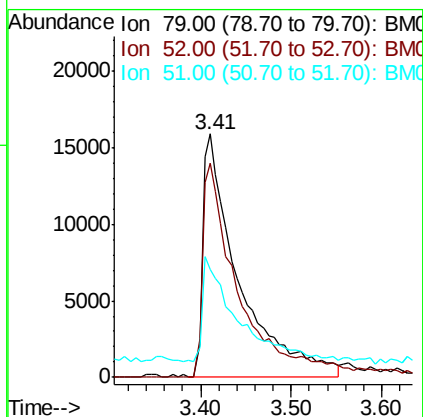
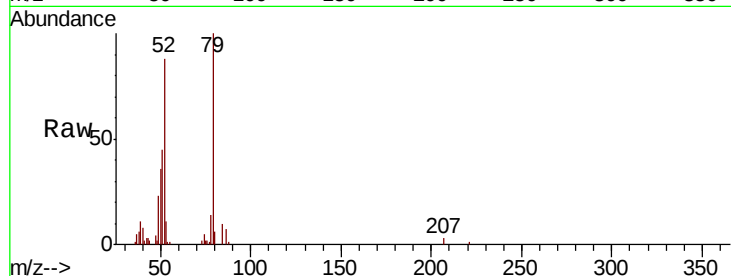




#3
 Pvridine
 Concen: 6.016 ng
 RT: 3.41 min Scan# 89
 Delta R.T. 0.02 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

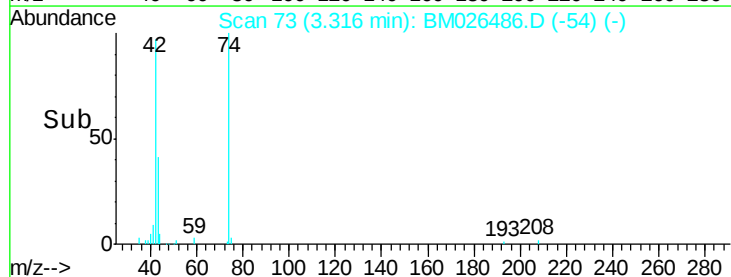
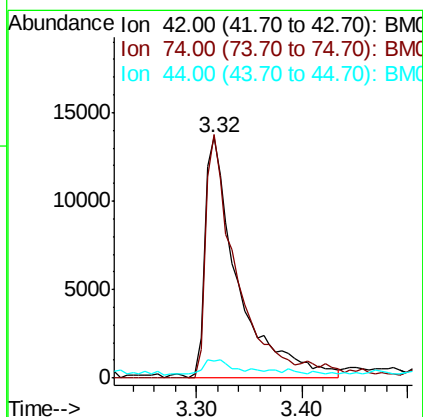
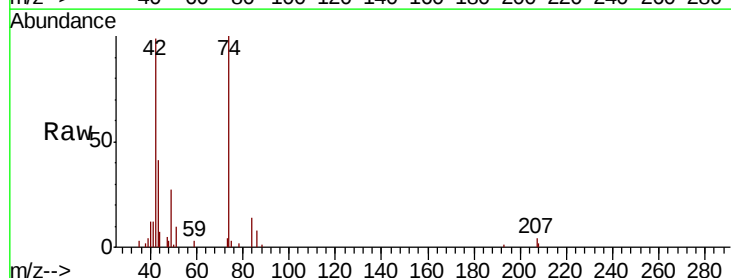
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

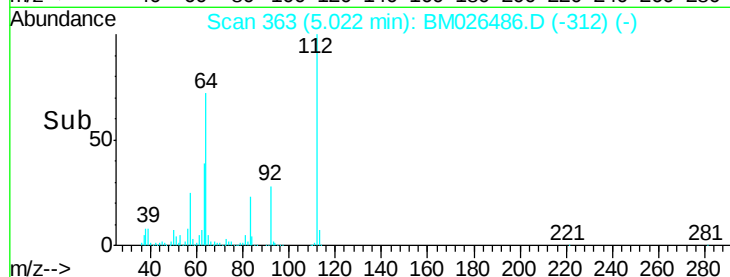
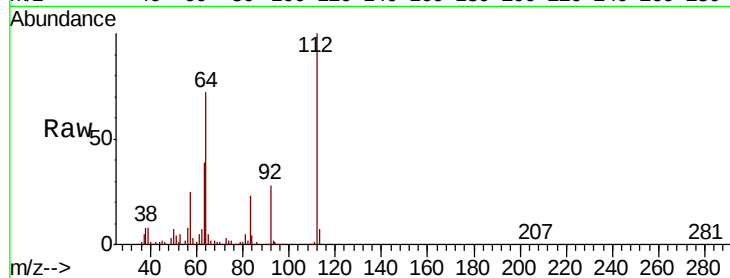
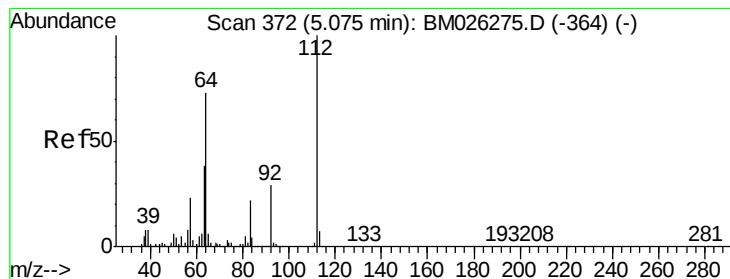
Tot Ion: 79 Resp: 43942
 Ion Ratio Lower Upper
 79 100
 52 87.8 67.4 101.2
 51 44.5 33.0 49.6



#4
 n-Nitrosodimethylamine
 Concen: 8.162 ng
 RT: 3.32 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

Tgt Ion: 42 Resp: 29516
 Ion Ratio Lower Upper
 42 100
 74 101.1 95.4 143.2
 44 7.1 5.9 8.9





#5

2-Fluorophenol

Concen: 162.295 ng

RT: 5.02 min Scan# 363

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

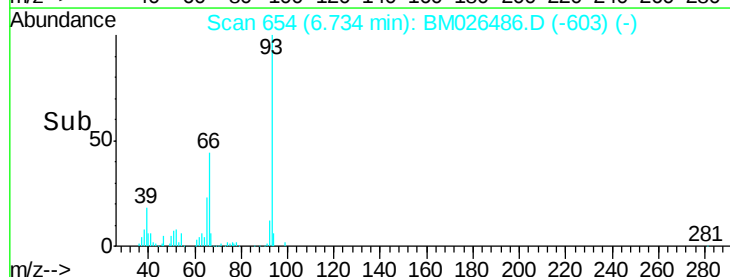
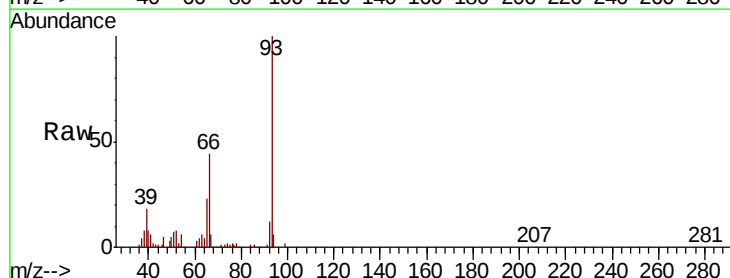
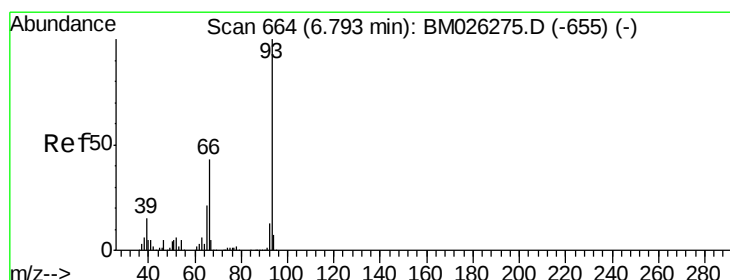
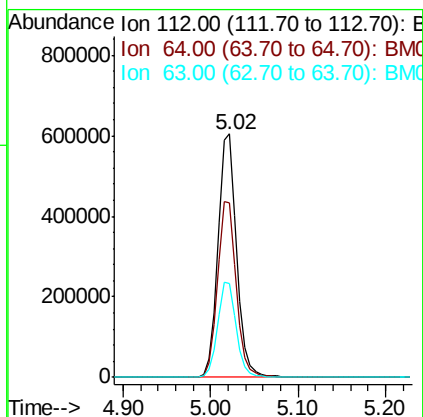
Tot Ion: 112 Resp: 895181

Ion Ratio Lower Upper

112 100

64 71.7 56.0 84.0

63 38.7 29.0 43.6



#6

Aniline

Concen: 7.283 ng

RT: 6.73 min Scan# 654

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

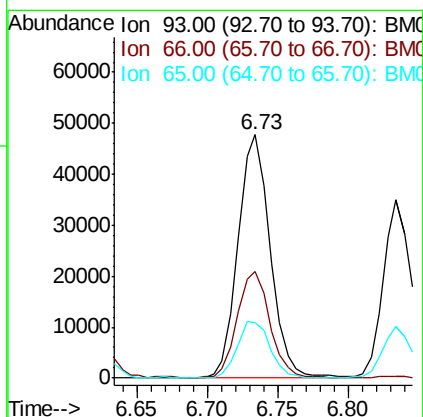
Tgt Ion: 93 Resp: 76296

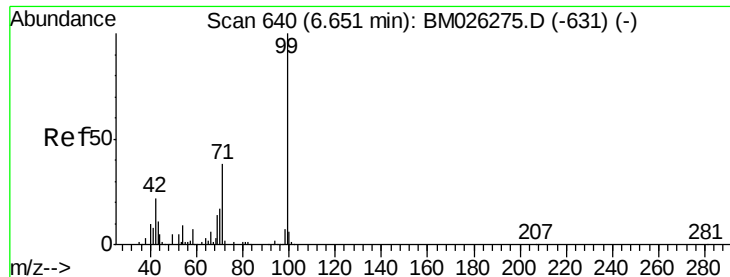
Ion Ratio Lower Upper

93 100

66 44.0 34.1 51.1

65 22.6 17.5 26.3





#7

Phenol-d6

Concen: 166.500 ng

RT: 6.59 min Scan# 630

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

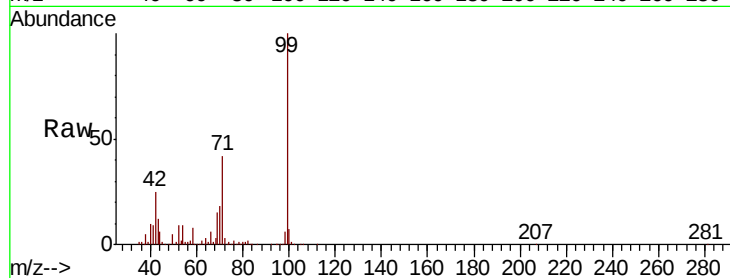
BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion: 99 Resp: 1329859

Ion	Ratio	Lower	Upper
99	100		
42	24.8	17.8	26.6
71	41.5	31.0	46.4

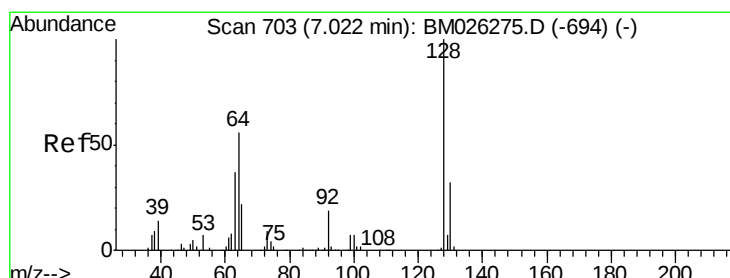
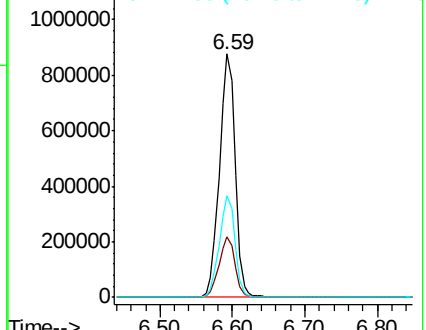
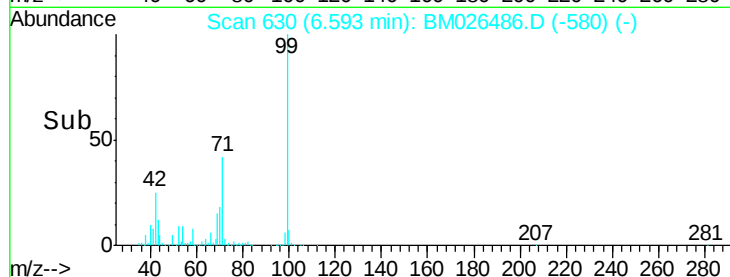


Abundance

Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



#8

2-Chlorophenol

Concen: 7.621 ng

RT: 6.96 min Scan# 692

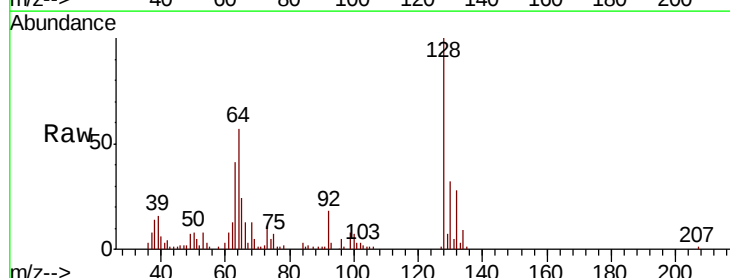
Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Tgt Ion: 128 Resp: 48484

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.3	52.3
64	56.7	36.4	76.4

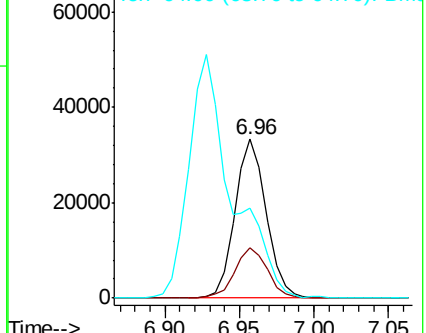
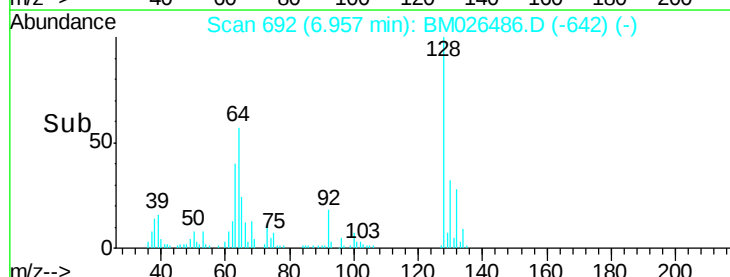


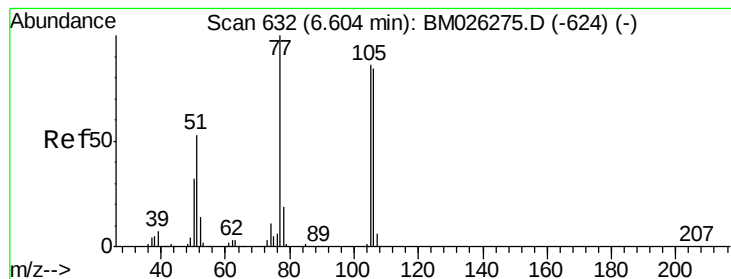
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM0





#9

Benzaldehyde

Concen: 9.049 ng

RT: 6.55 min Scan# 622

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

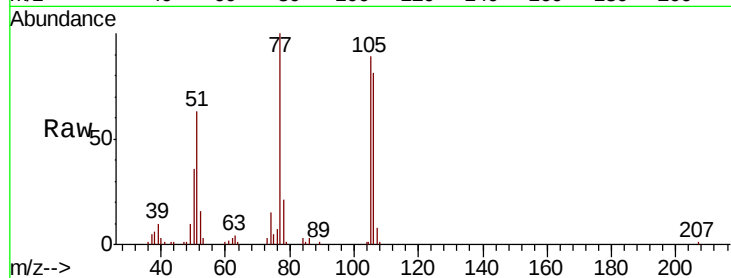
Tot Ion: 77 Resp: 46086

Ion Ratio Lower Upper

77 100

105 88.8 71.5 111.5

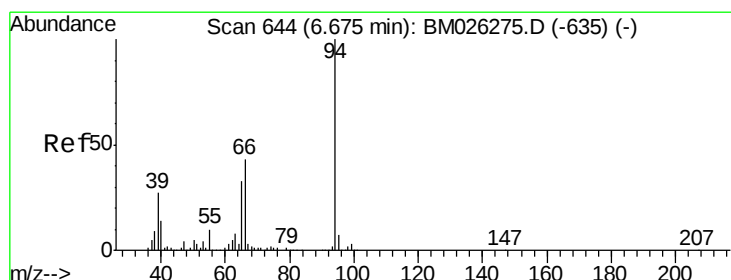
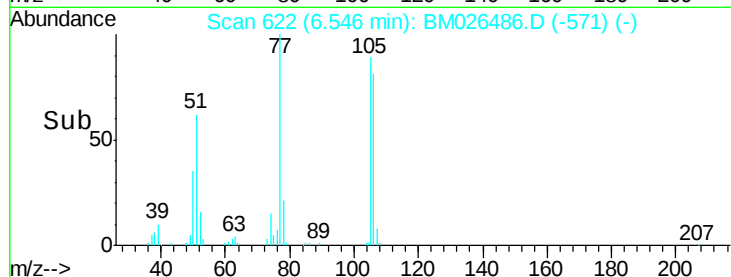
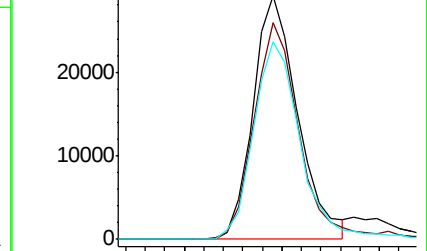
106 81.3 64.7 104.7



Abundance Ion 77.00 (76.70 to 77.70): BM026275.D (-624) (-)

Ion 105.00 (104.70 to 105.70): BM026275.D (-624) (-)

Ion 106.00 (105.70 to 106.70): BM026275.D (-624) (-)



#10

Phenol

Concen: 7.346 ng

RT: 6.62 min Scan# 634

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

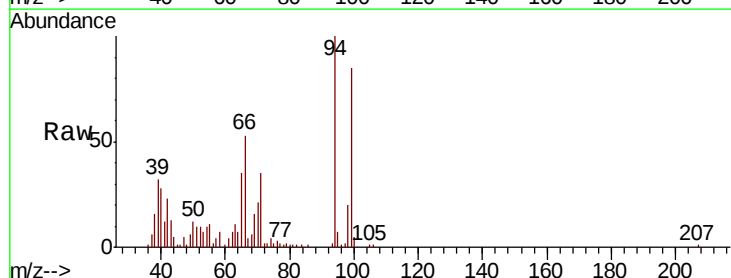
Tgt Ion: 94 Resp: 62483

Ion Ratio Lower Upper

94 100

65 35.0 11.4 51.4

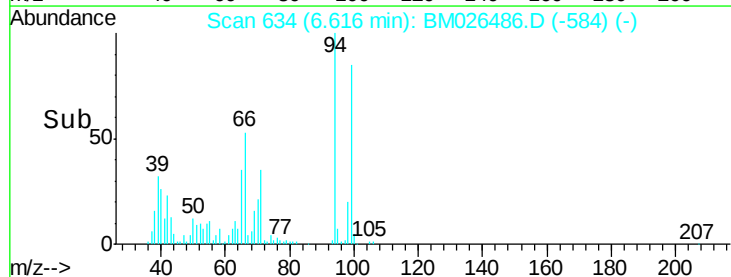
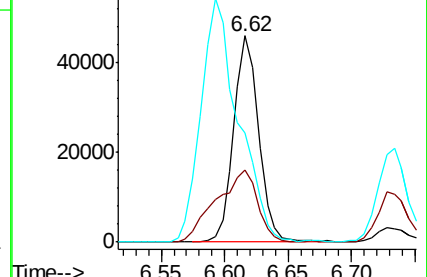
66 52.8 21.7 61.7

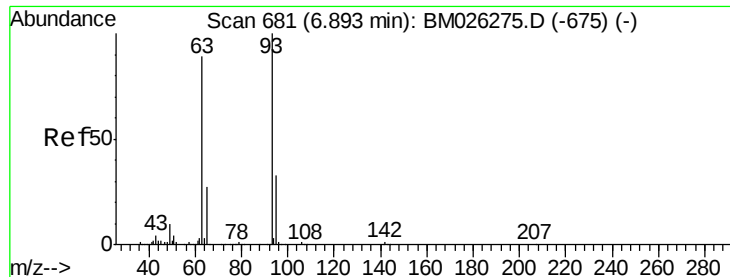


Abundance Ion 94.00 (93.70 to 94.70): BM026275.D (-635) (-)

Ion 65.00 (64.70 to 65.70): BM026275.D (-635) (-)

Ion 66.00 (65.70 to 66.70): BM026275.D (-635) (-)

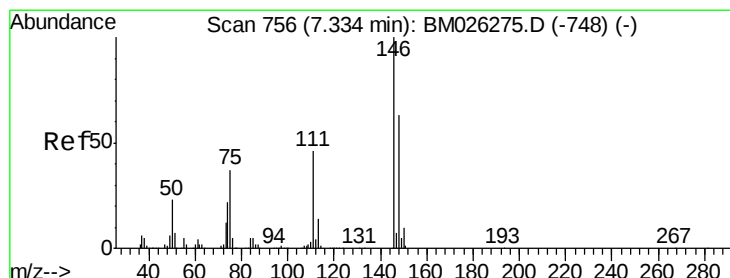
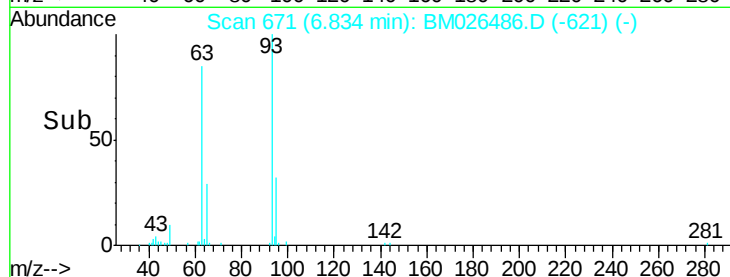
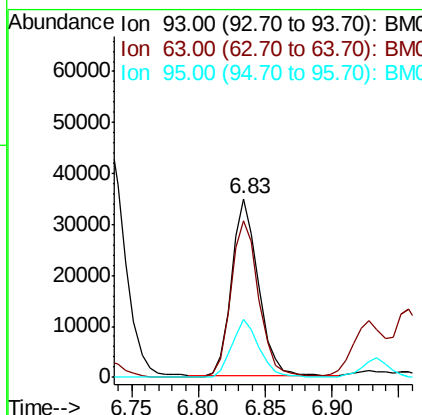
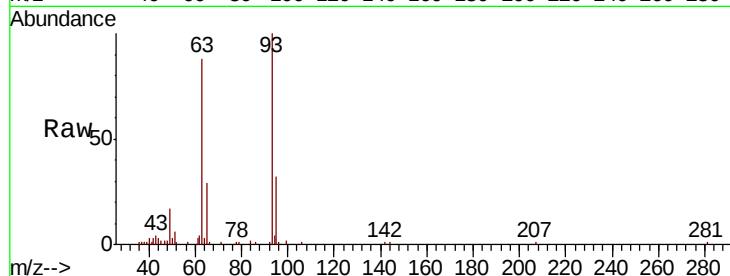




#11
bis(2-Chloroethyl)ether
Concen: 7.061 ng
RT: 6.83 min Scan# 671
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

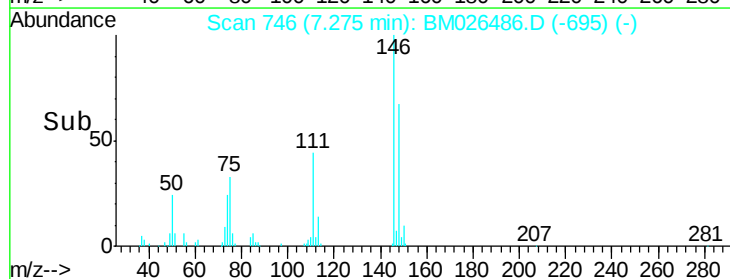
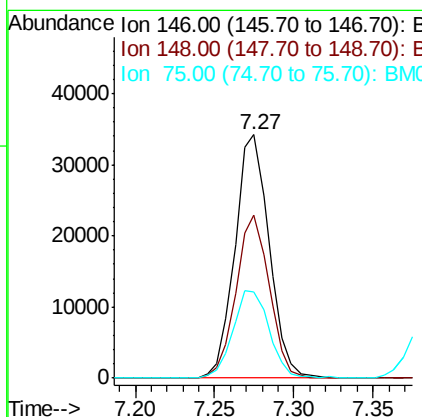
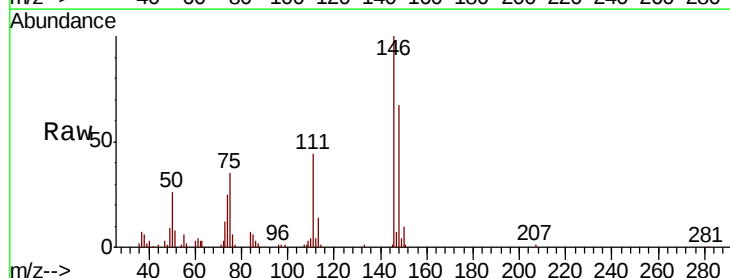
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

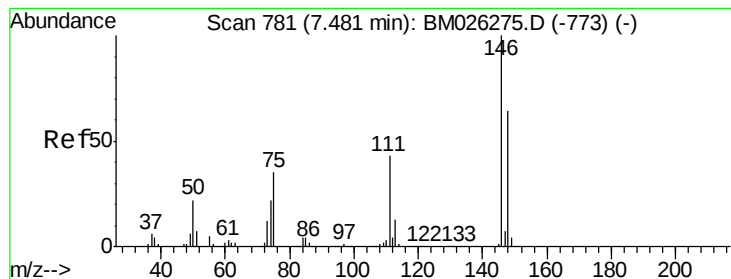
Tot Ion: 93 Resp: 48377
Ion Ratio Lower Upper
93 100
63 87.6 66.7 106.7
95 32.4 14.5 54.5



#12
1,3-Dichlorobenzene
Concen: 7.267 ng
RT: 7.27 min Scan# 746
Delta R.T. 0.00 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion: 146 Resp: 51185
Ion Ratio Lower Upper
146 100
148 66.8 50.3 75.5
75 35.3 29.0 43.6





#13

1,4-Dichlorobenzene

Concen: 7.281 ng

RT: 7.42 min Scan# 770

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

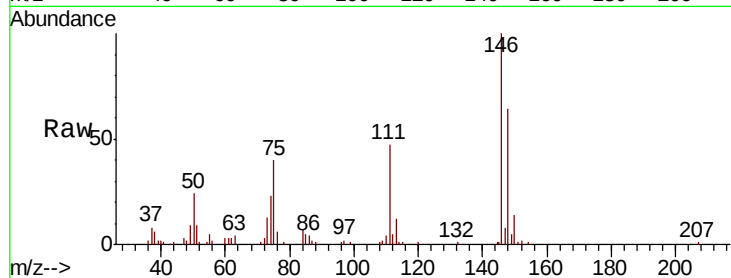
Tot Ion:146 Resp: 52236

Ion Ratio Lower Upper

146 100

148 64.4 52.2 78.2

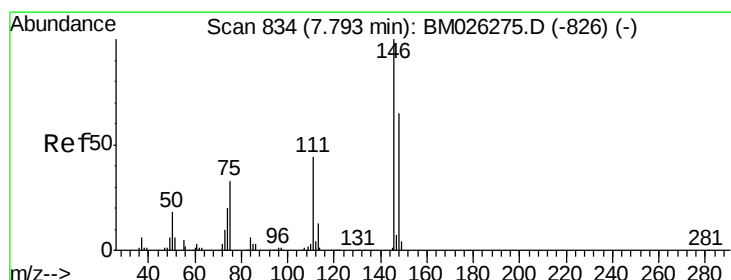
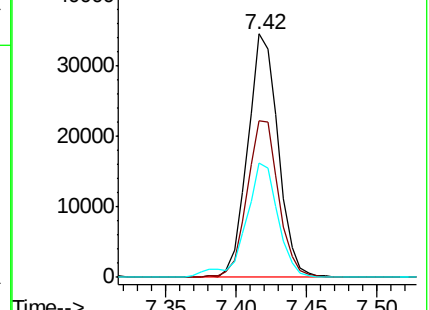
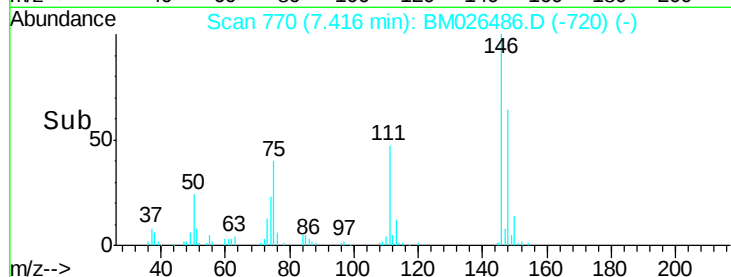
111 46.7 34.9 52.3



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: 7.387 ng

RT: 7.73 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

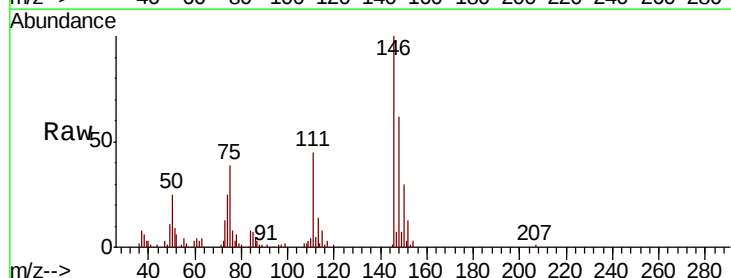
Tgt Ion:146 Resp: 51774

Ion Ratio Lower Upper

146 100

148 62.3 50.8 76.2

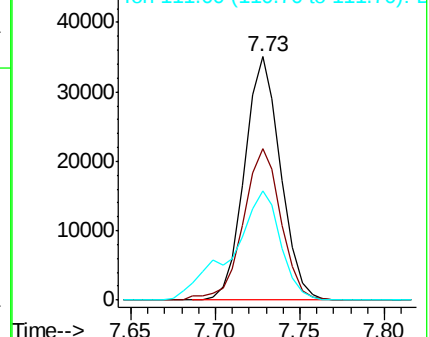
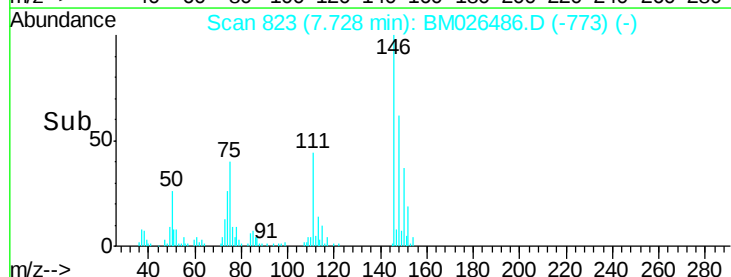
111 44.6 35.4 53.0

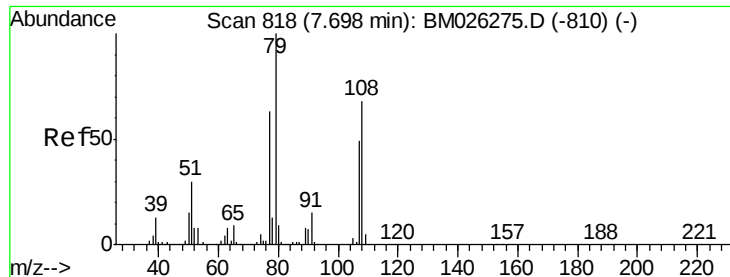


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 6.855 ng

RT: 7.64 min Scan# 808

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

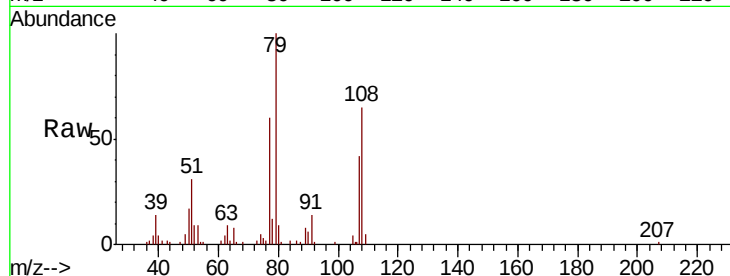
Tot Ion: 79 Resp: 46494

Ion Ratio Lower Upper

79 100

108 64.7 54.6 82.0

77 60.1 51.0 76.4

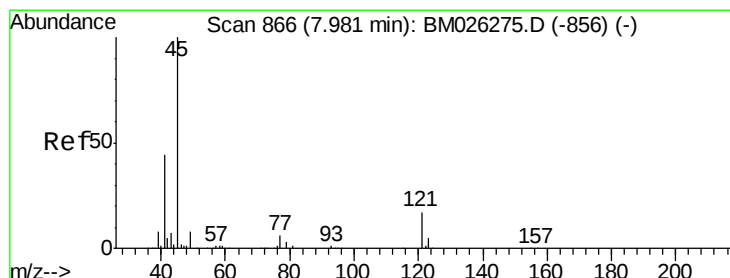
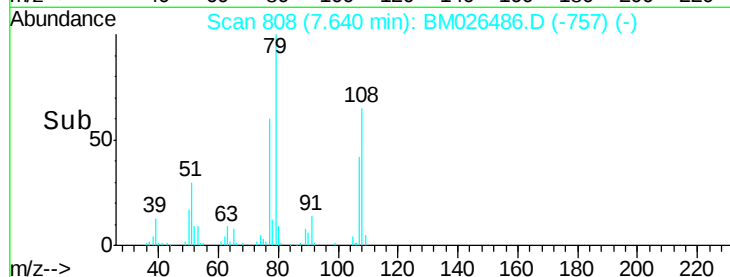
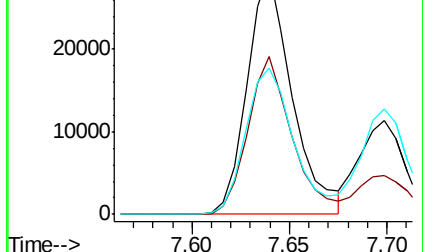


Abundance Ion 79.00 (78.70 to 79.70): BM026486.D (-757) (-)

Ion 108.00 (107.70 to 108.70): BM026486.D (-757) (-)

Ion 77.00 (76.70 to 77.70): BM026486.D (-757) (-)

Time-->



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.702 ng

RT: 7.92 min Scan# 855

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

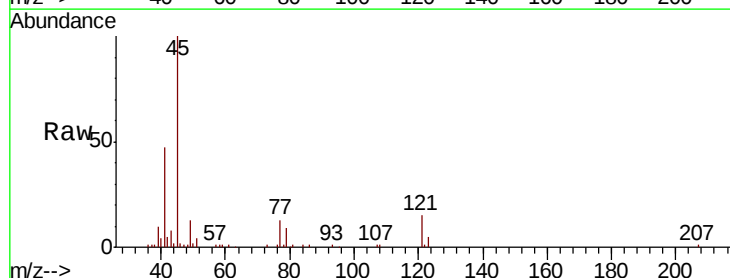
Tgt Ion: 45 Resp: 98554

Ion Ratio Lower Upper

45 100

77 13.0 0.0 31.8

79 8.8 0.0 28.9

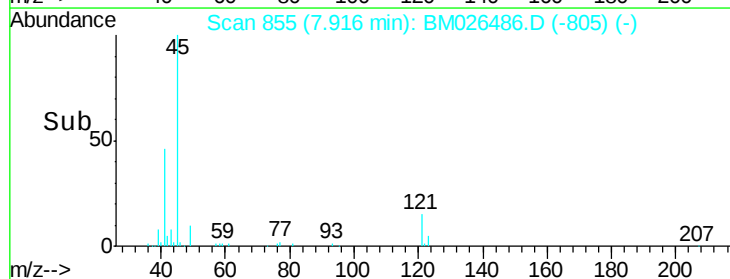
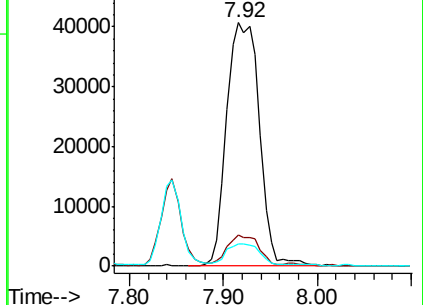


Abundance Ion 45.00 (44.70 to 45.70): BM026486.D (-805) (-)

Ion 77.00 (76.70 to 77.70): BM026486.D (-805) (-)

Ion 79.00 (78.70 to 79.70): BM026486.D (-805) (-)

Time-->





#17

2-Methylphenol

Concen: 6.372 ng

RT: 7.85 min Scan# 843

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:107 Resp: 39613

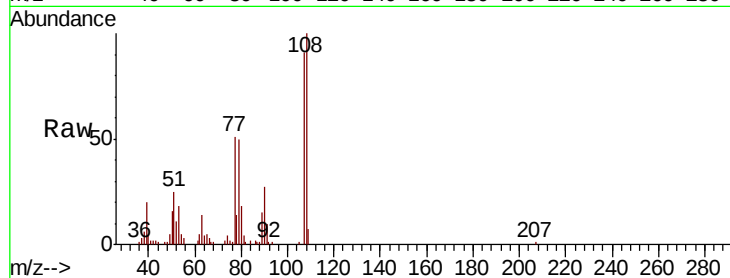
Ion Ratio Lower Upper

107 100

108 110.4 88.5 132.7

77 56.0 40.6 60.8

79 55.1 39.6 59.4

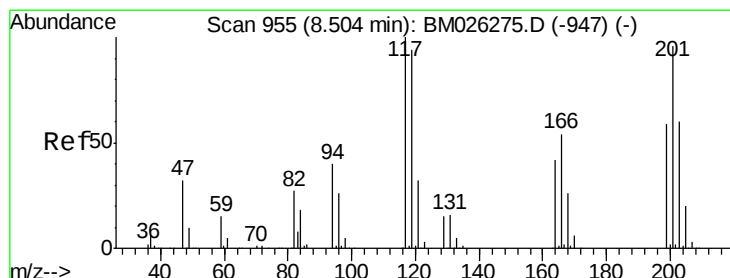
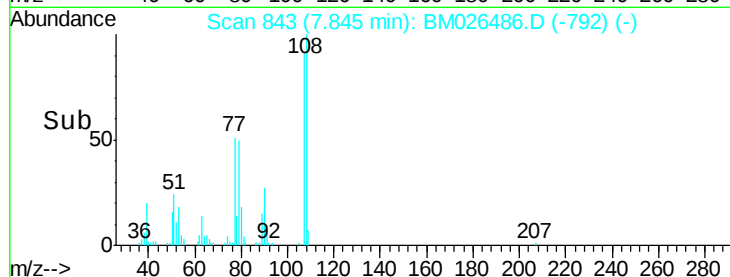
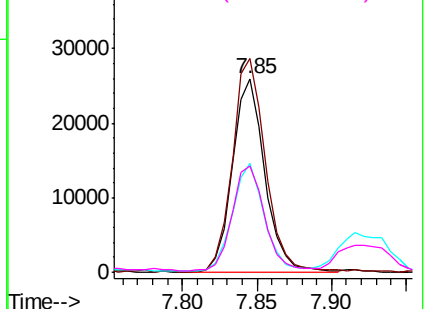


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 79.00 (78.70 to 79.70): BM



#18

Hexachloroethane

Concen: 7.358 ng

RT: 8.44 min Scan# 944

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

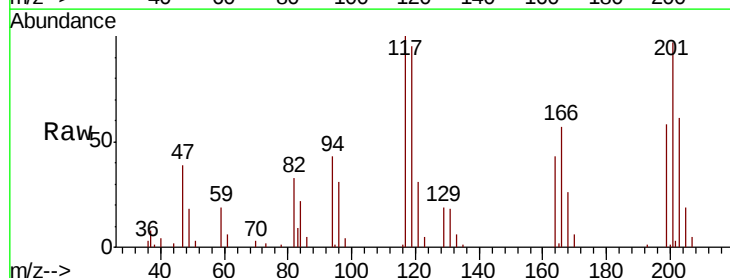
Tgt Ion:117 Resp: 19992

Ion Ratio Lower Upper

117 100

119 95.1 77.8 116.6

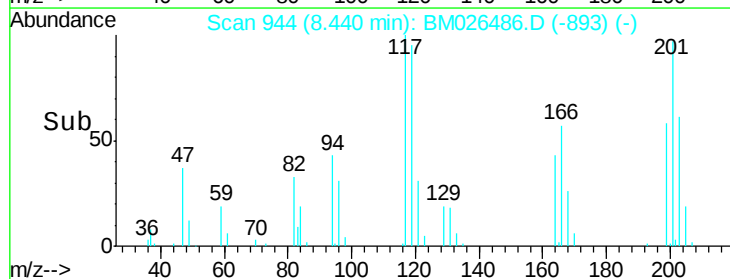
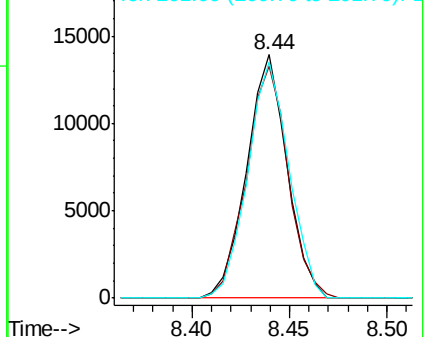
201 100.1 79.9 119.9



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

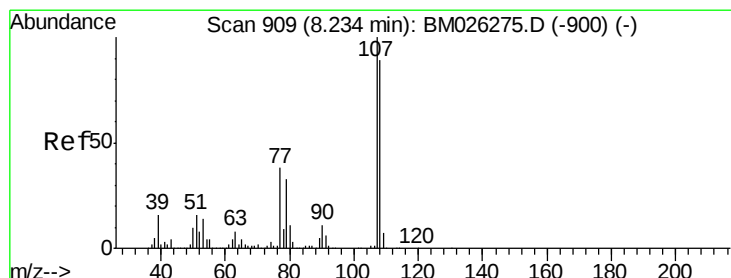
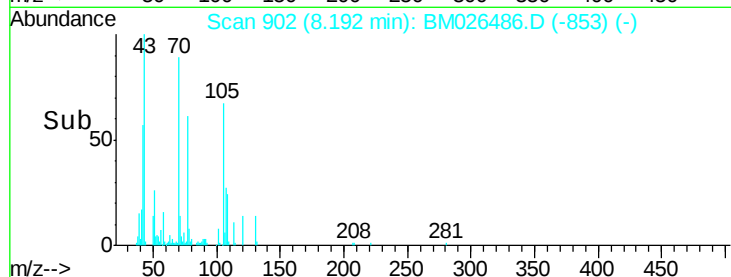
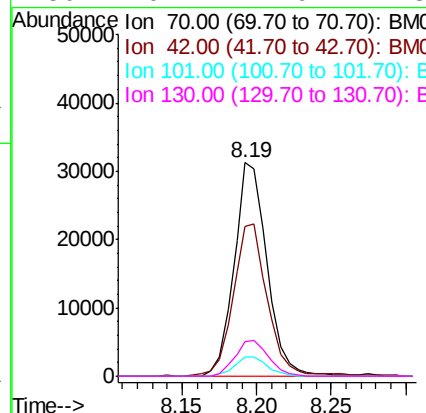
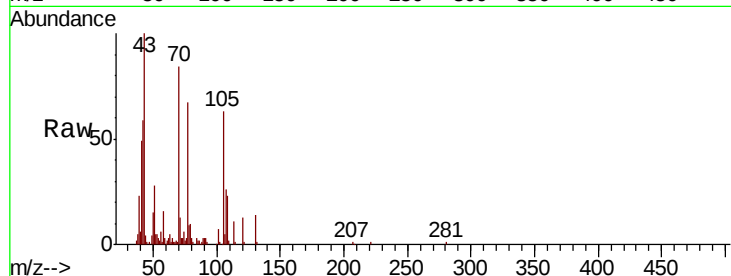




#19
n-Nitroso-di-n-propylamine
Concen: 7.740 ng
RT: 8.19 min Scan# 902
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

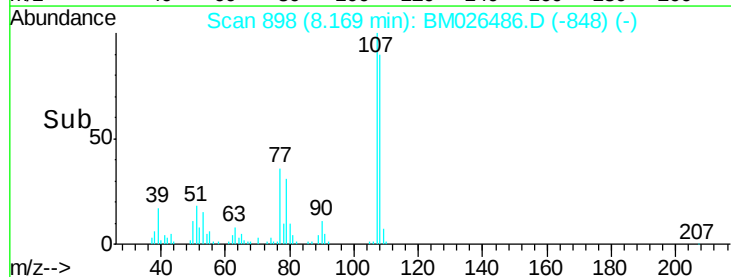
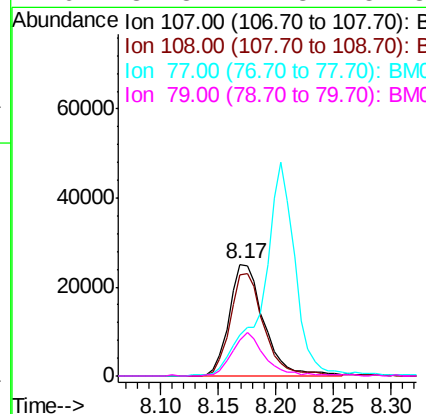
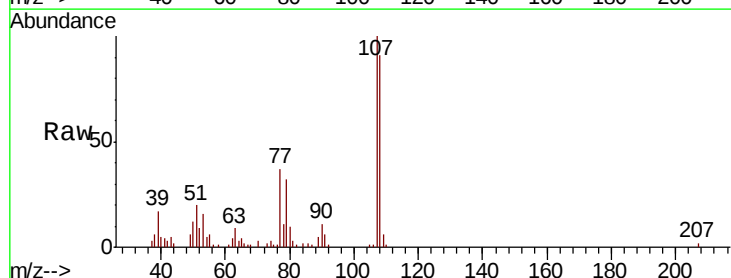
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:	70	Resp:	48173
Ion	Ratio	Lower	Upper
70	100		
42	70.1	52.2	78.4
101	8.9	7.0	10.6
130	16.2	14.9	22.3



#20
3+4-Methylphenols
Concen: 6.162 ng
RT: 8.17 min Scan# 898
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion:	107	Resp:	52215
Ion	Ratio	Lower	Upper
107	100		
108	90.8	70.4	110.4
77	37.2	17.3	57.3
79	31.8	12.3	52.3

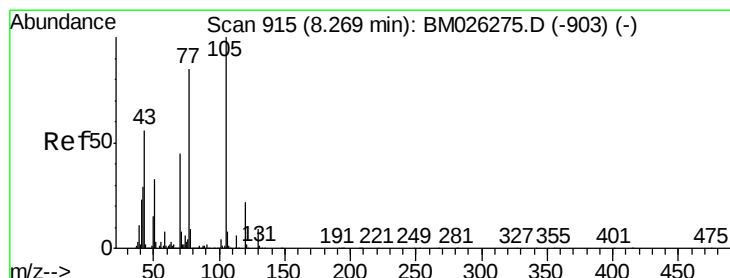
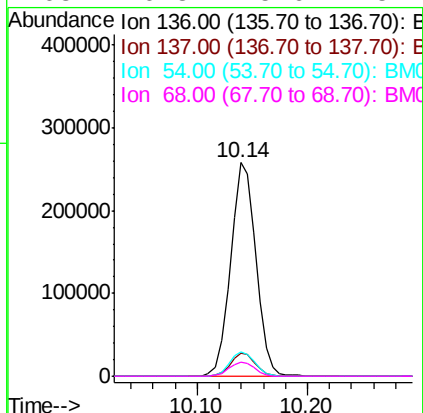
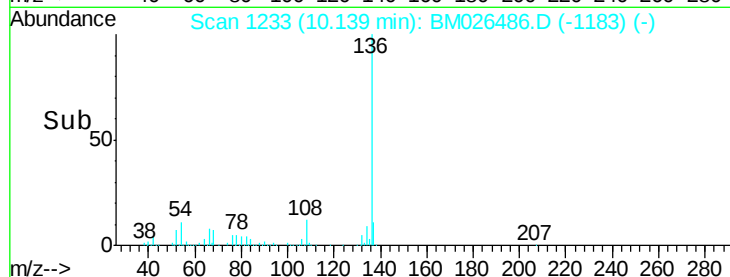
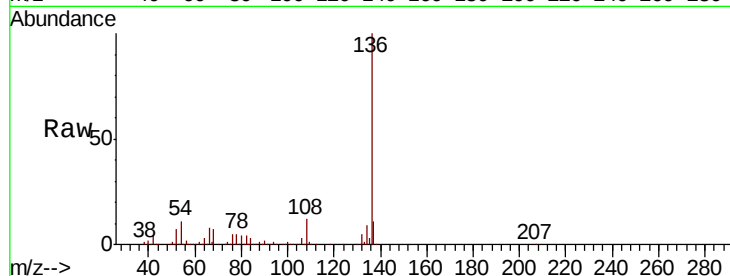




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.14 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

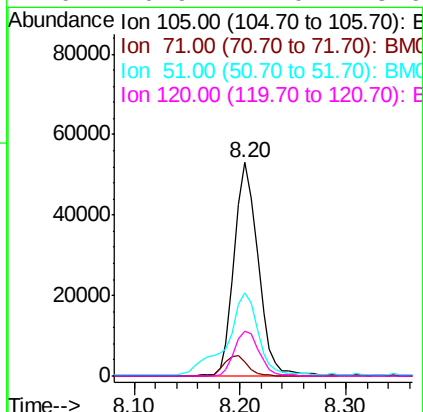
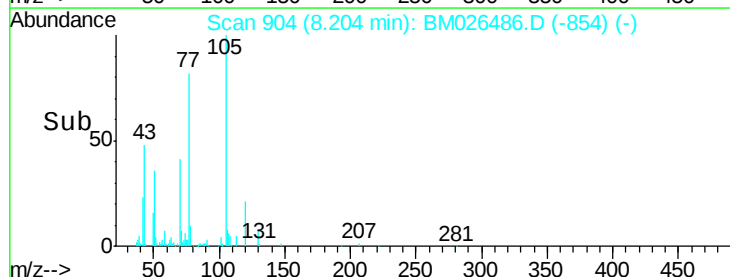
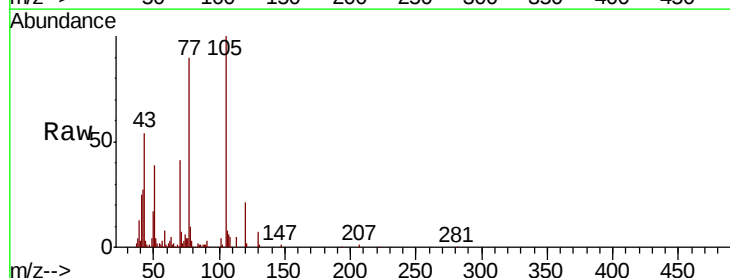
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

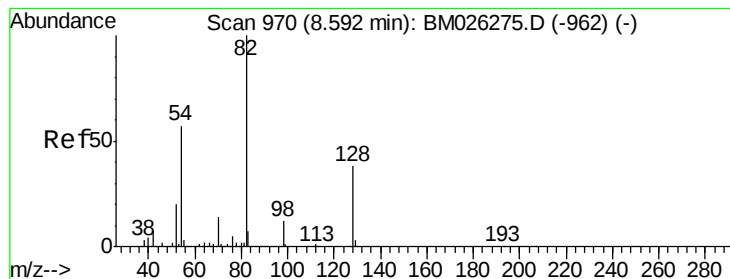
Tot Ion:136	Resp:	414033	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	8.5	12.7	
54 11.3	9.0	13.6	
68 6.8	5.6	8.4	



#22
Acetophenone
Concen: 7.830 ng
RT: 8.20 min Scan# 904
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt	Ion:105	Resp:	83360
Ion	Ratio	Lower	Upper
105	100		
71	6.8	4.5	6.7#
51	38.8	25.2	37.8#
120	20.9	17.0	25.6





#23

Nitrobenzene-d5

Concen: 117.078 ng

RT: 8.53 min Scan# 960

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

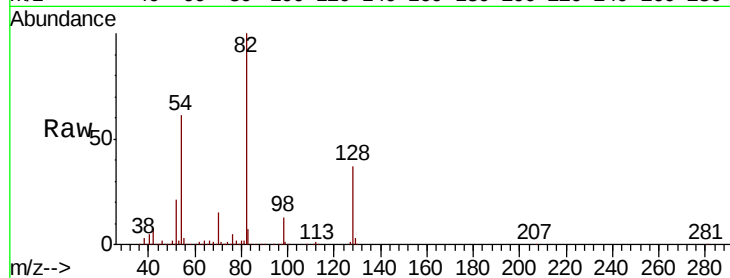
Tot Ion: 82 Resp: 987257

Ion Ratio Lower Upper

82 100

128 37.5 31.0 46.6

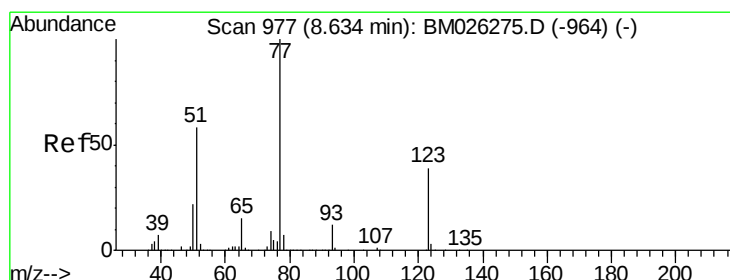
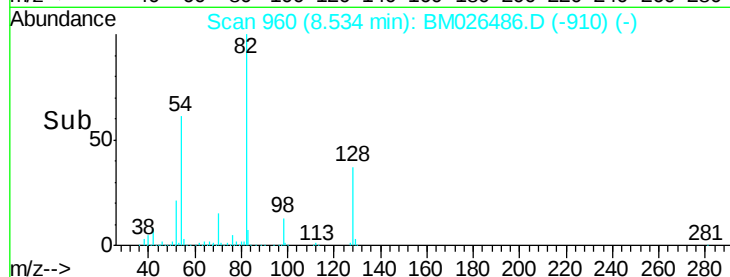
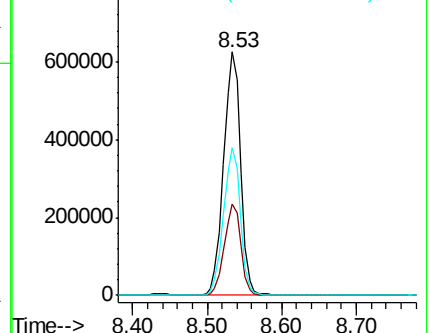
54 60.7 45.4 68.2



Abundance Ion 82.00 (81.70 to 82.70): BM026486.D (-910) (-)

Ion 128.00 (127.70 to 128.70): BM026486.D (-910) (-)

Ion 54.00 (53.70 to 54.70): BM026486.D (-910) (-)



#24

Nitrobenzene

Concen: 8.278 ng

RT: 8.57 min Scan# 967

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

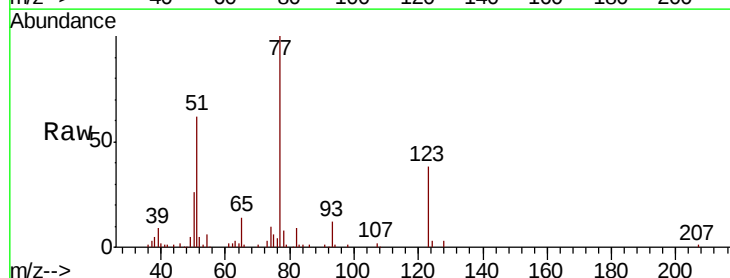
Tgt Ion: 77 Resp: 73072

Ion Ratio Lower Upper

77 100

123 38.4 32.0 48.0

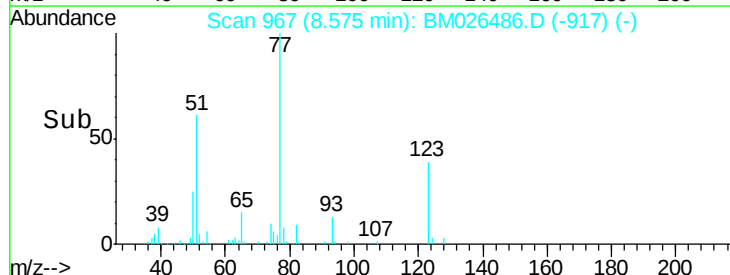
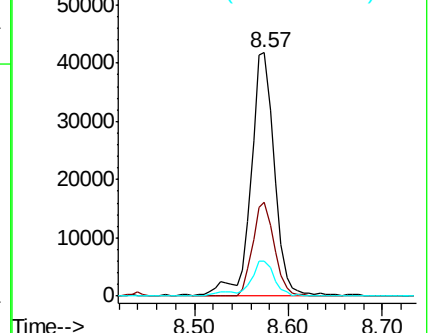
65 14.4 11.8 17.8

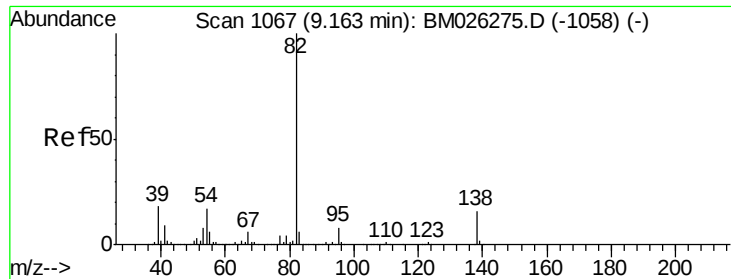


Abundance Ion 77.00 (76.70 to 77.70): BM026486.D (-917) (-)

Ion 123.00 (122.70 to 123.70): BM026486.D (-917) (-)

Ion 65.00 (64.70 to 65.70): BM026486.D (-917) (-)

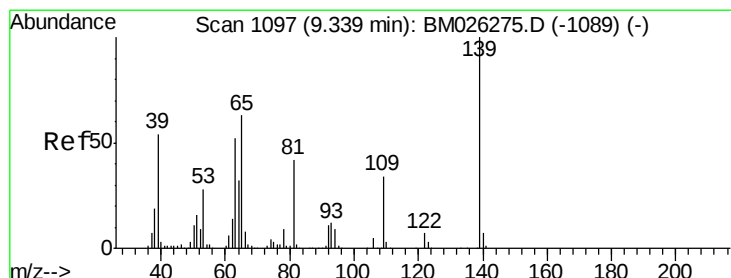
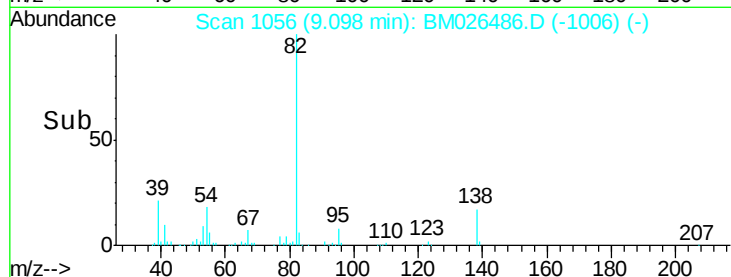
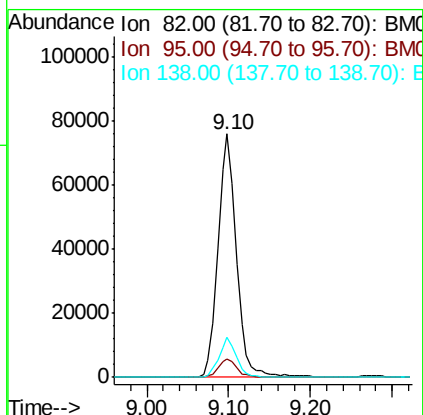
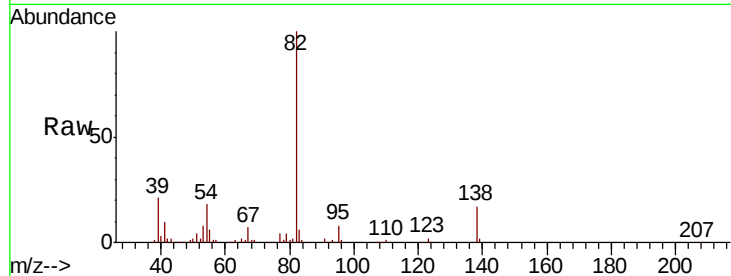




#25
Isophorone
Concen: 7.565 ng
RT: 9.10 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

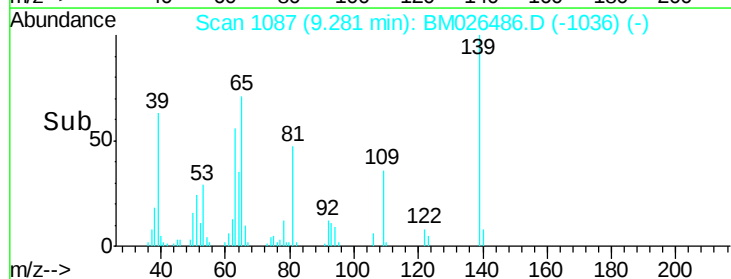
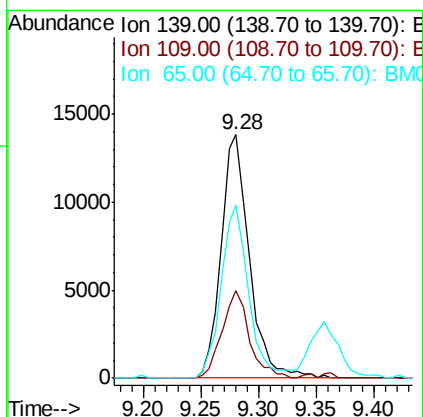
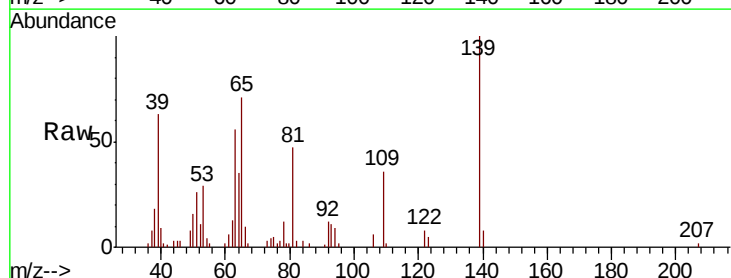
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion: 82 Resp: 119849
Ion Ratio Lower Upper
82 100
95 7.6 6.0 9.0
138 16.6 12.7 19.1



#26
2-Nitrophenol
Concen: 6.704 ng
RT: 9.28 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion: 139 Resp: 23422
Ion Ratio Lower Upper
139 100
109 36.0 25.2 37.8
65 71.3 47.1 70.7#





#27

2,4-Dimethylphenol

Concen: 6.029 ng

RT: 9.36 min Scan# 1100

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

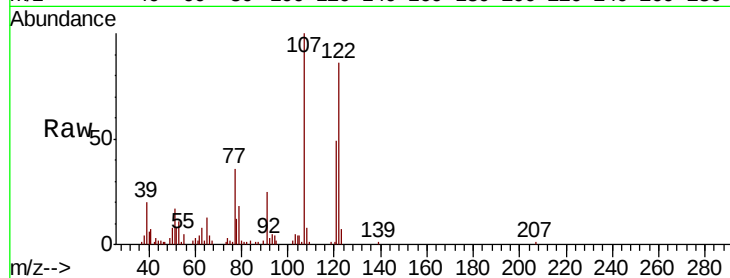
Tot Ion:122 Resp: 33249

Ion Ratio Lower Upper

122 100

107 116.6 96.1 144.1

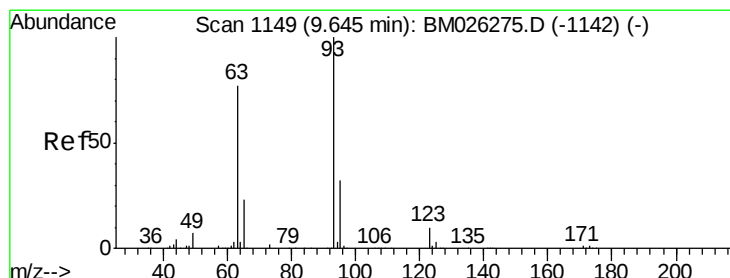
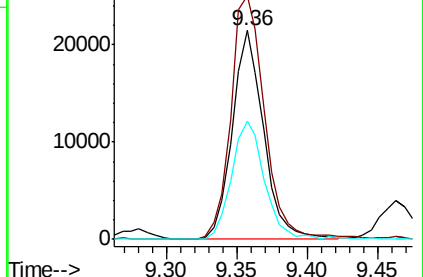
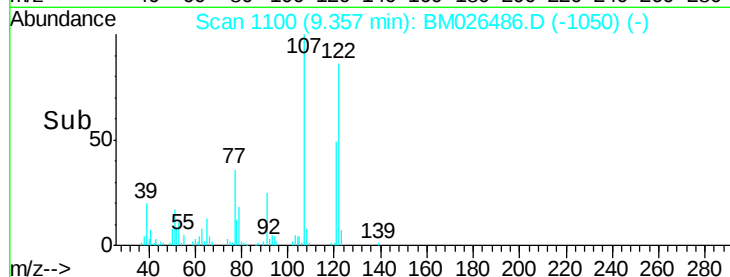
121 56.7 46.0 69.0



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: 7.881 ng

RT: 9.59 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

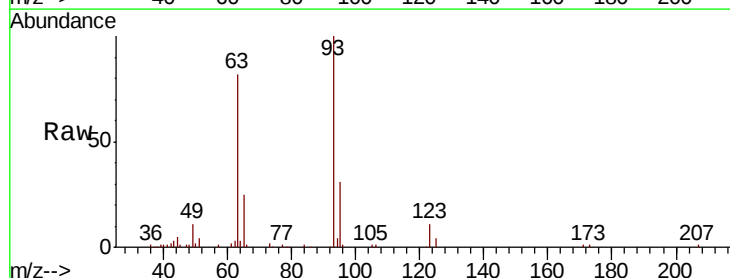
Tgt Ion: 93 Resp: 70829

Ion Ratio Lower Upper

93 100

95 31.5 25.9 38.9

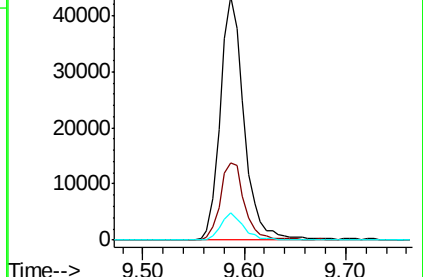
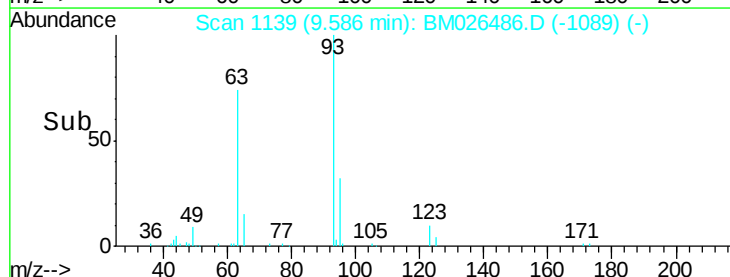
123 11.0 8.9 13.3

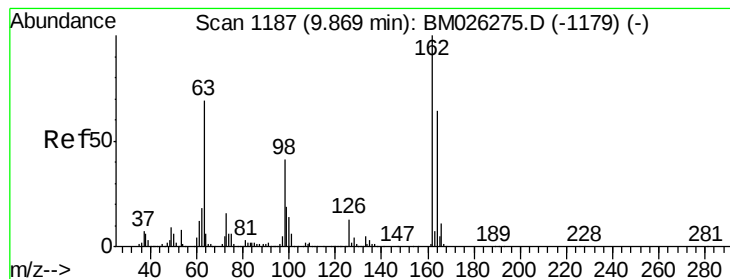


Abundance Ion 93.00 (92.70 to 93.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 6.729 ng

RT: 9.82 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

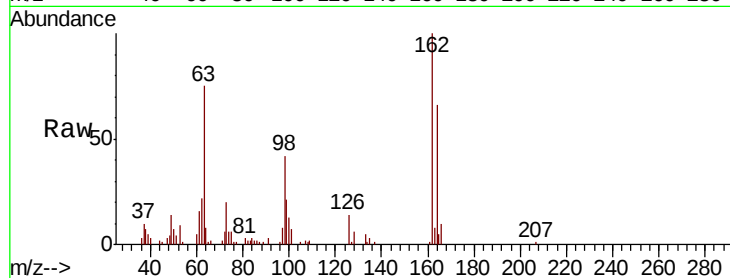
Tot Ion:162 Resp: 40720

Ion Ratio Lower Upper

162 100

164 65.6 46.2 86.2

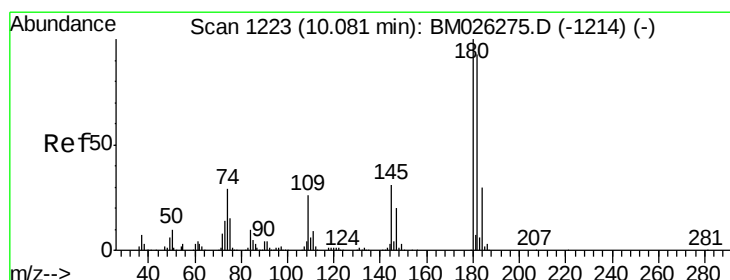
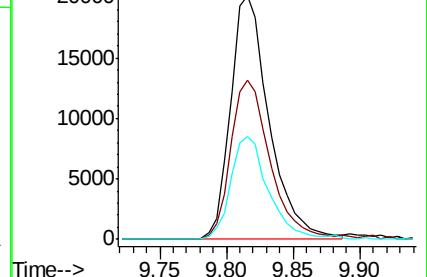
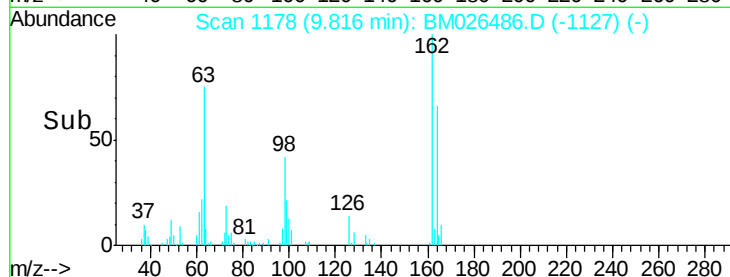
98 42.4 19.0 59.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30

1,2,4-Trichlorobenzene

Concen: 7.825 ng

RT: 10.02 min Scan# 1212

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

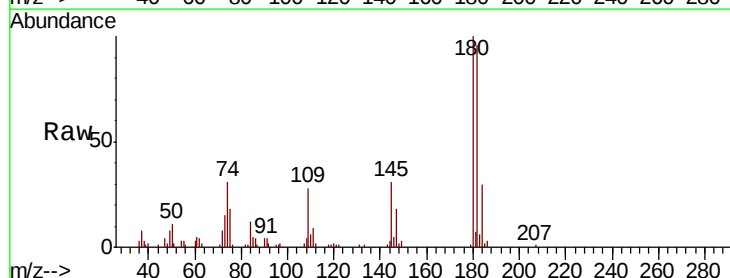
Tgt Ion:180 Resp: 51920

Ion Ratio Lower Upper

180 100

182 96.5 77.3 115.9

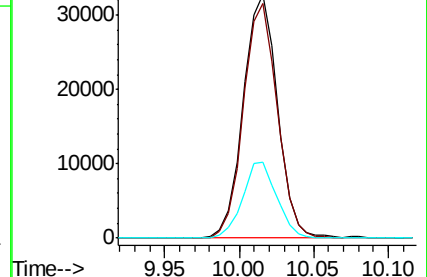
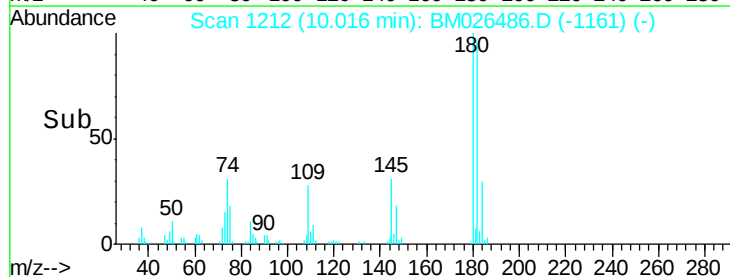
145 30.9 26.6 40.0

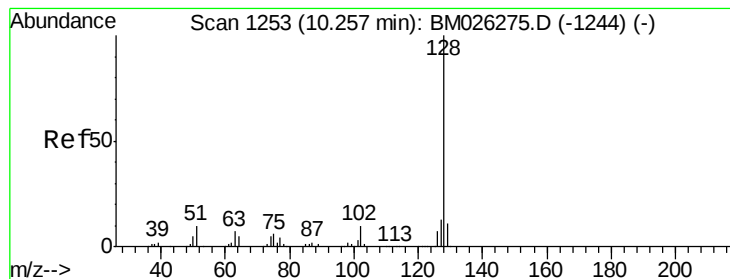


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

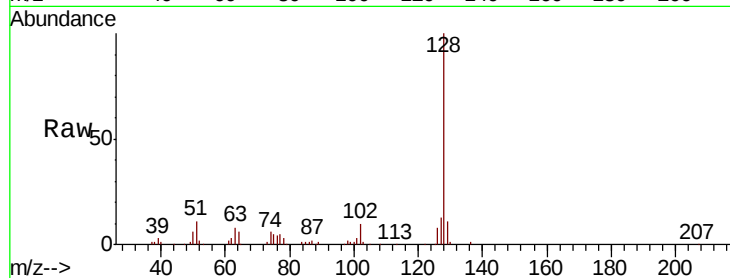




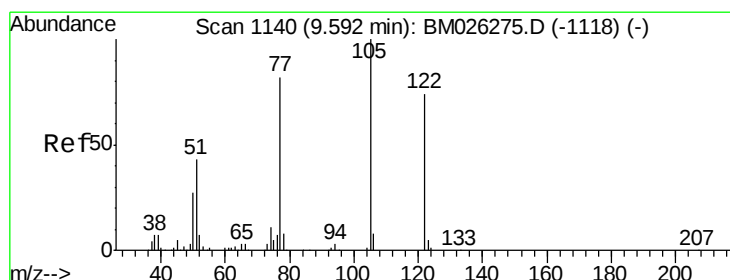
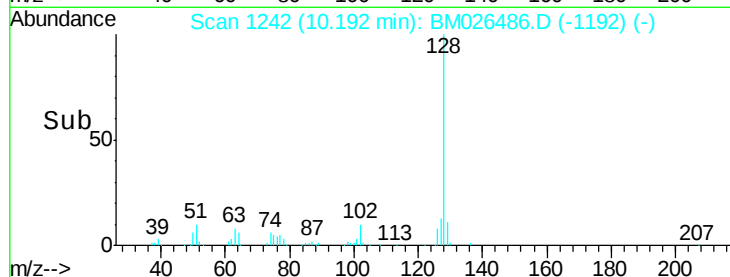
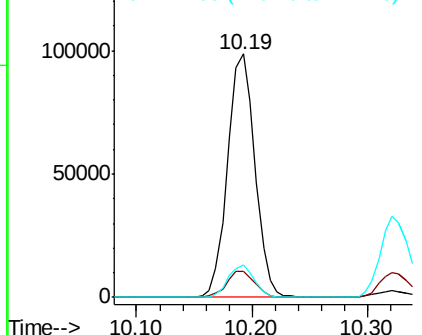
#31
Naphthalene
Concen: 7.770 ng
RT: 10.19 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:128 Resp: 162107
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 13.3 10.2 15.4

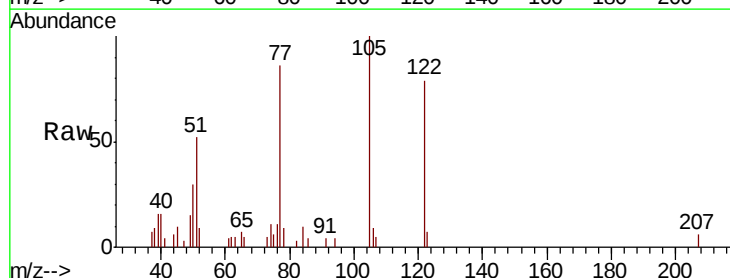


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

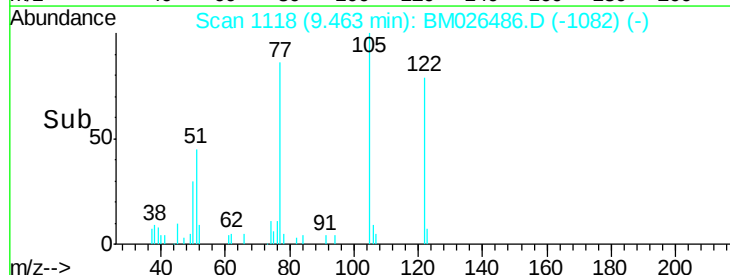
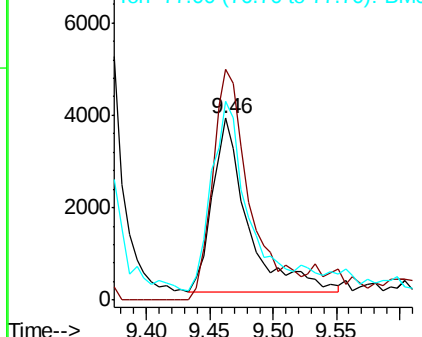


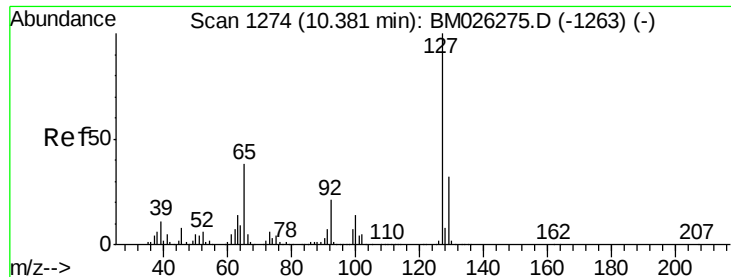
#32
Benzoic acid
Concen: 1.821 ng
RT: 9.46 min Scan# 1118
Delta R.T. -0.09 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion:122 Resp: 7464
Ion Ratio Lower Upper
122 100
105 127.1 108.9 148.9
77 109.6 90.1 130.1



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM

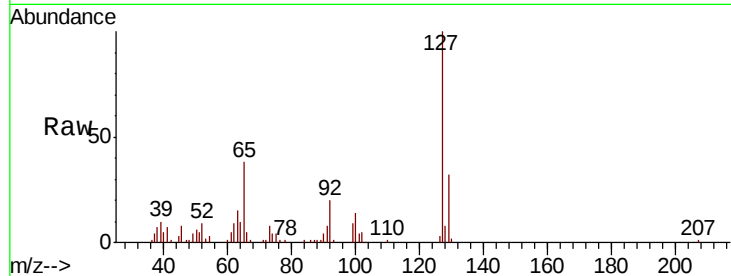




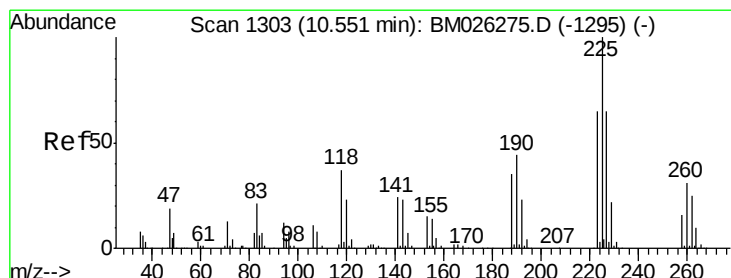
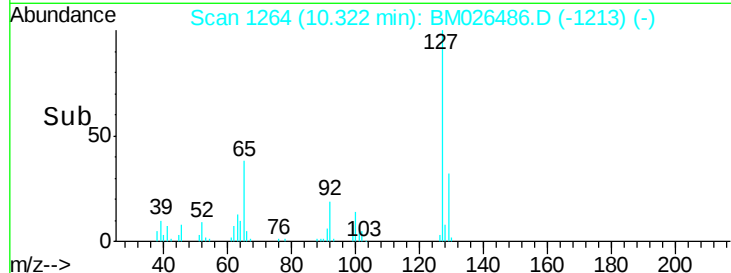
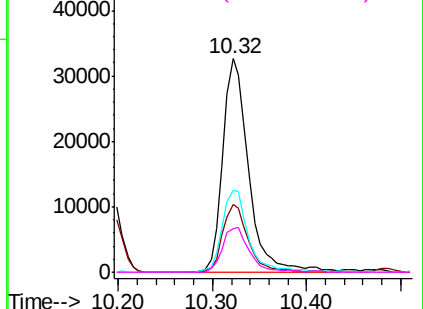
#33
4-Chloroaniline
Concen: 6.896 ng
RT: 10.32 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:127 Resp: 62753
Ion Ratio Lower Upper
127 100
129 31.5 25.3 37.9
65 38.5 30.0 45.0
92 20.3 17.1 25.7

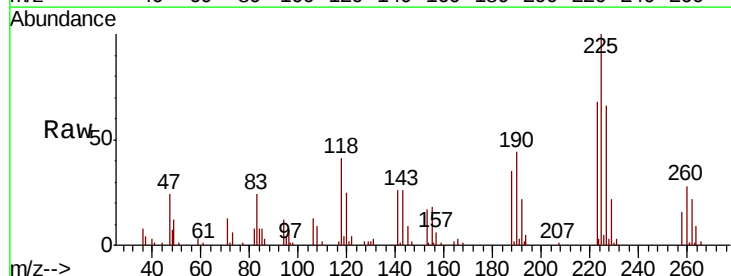


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

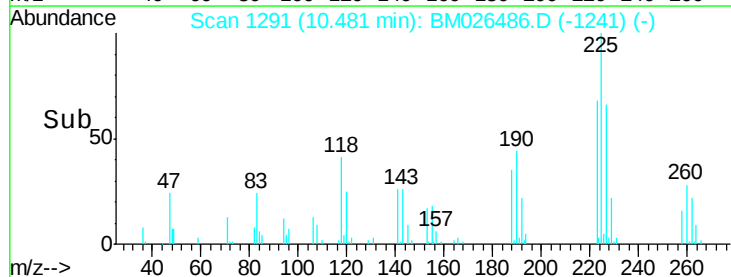
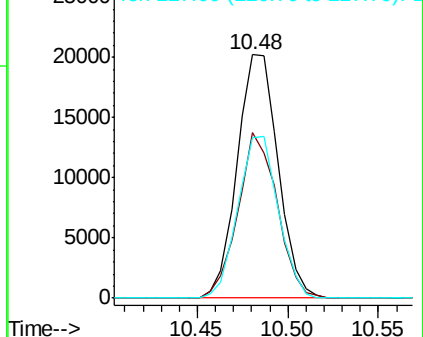


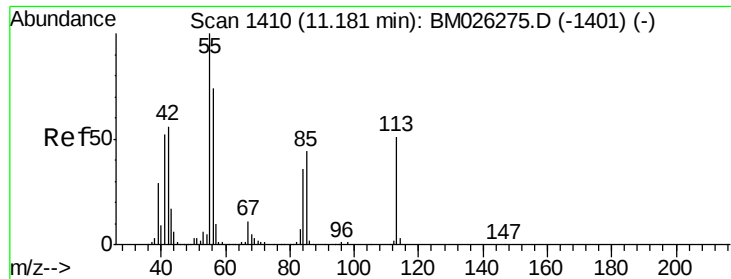
#34
Hexachlorobutadiene
Concen: 7.571 ng
RT: 10.48 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion:225 Resp: 31716
Ion Ratio Lower Upper
225 100
223 68.1 50.2 75.4
227 65.6 49.5 74.3



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





#35

Caprolactam

Concen: 7.118 ng

RT: 11.10 min Scan# 1396

Delta R.T. -0.02 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

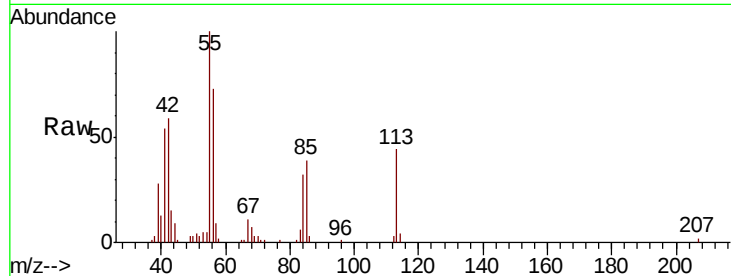
Tot Ion:113 Resp: 15132

Ion Ratio Lower Upper

113 100

55 225.8 177.1 217.1#

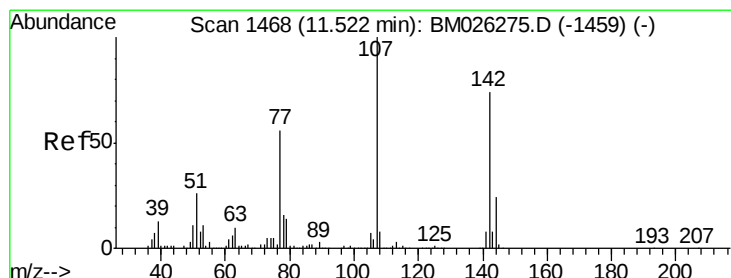
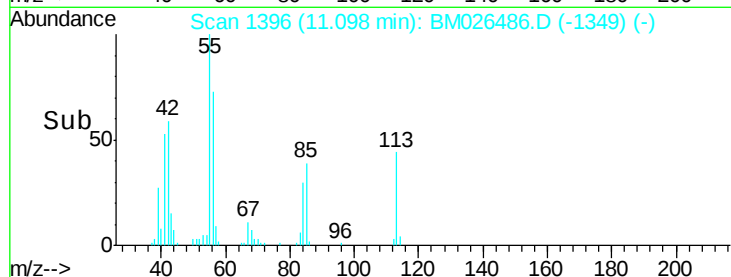
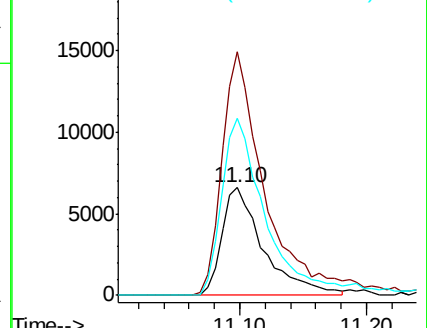
56 164.2 134.8 174.8



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: 7.206 ng

RT: 11.46 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

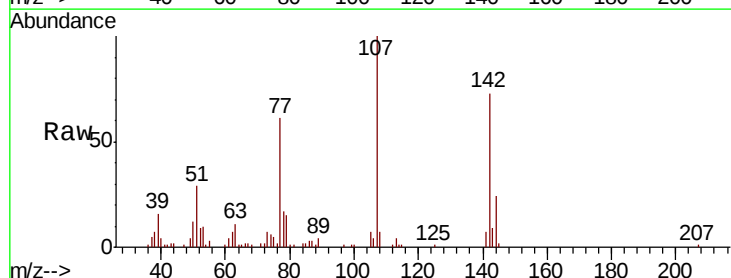
Tgt Ion:107 Resp: 53133

Ion Ratio Lower Upper

107 100

144 23.7 18.7 28.1

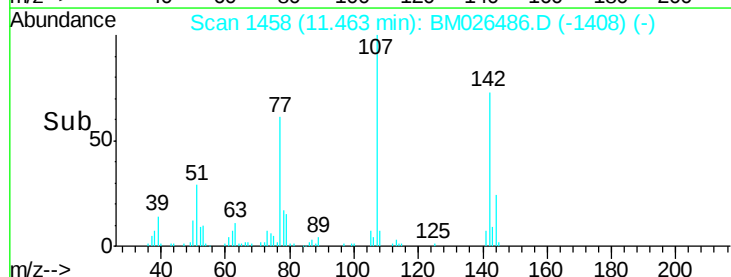
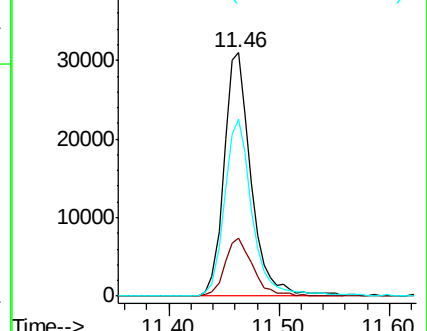
142 72.9 57.7 86.5

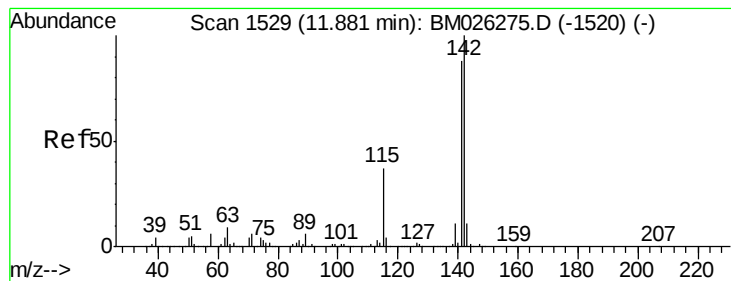


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 7.850 ng

RT: 11.82 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

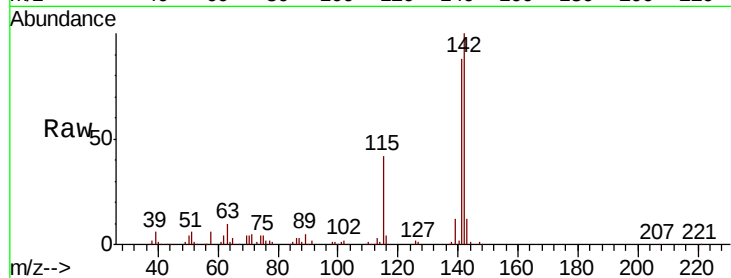
Tot Ion:142 Resp: 116718

Ion Ratio Lower Upper

142 100

141 87.8 70.5 105.7

115 42.0 30.2 45.4

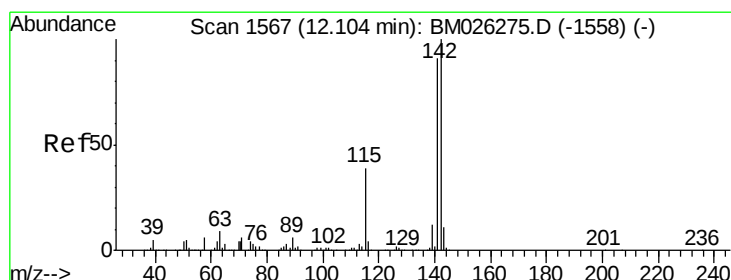
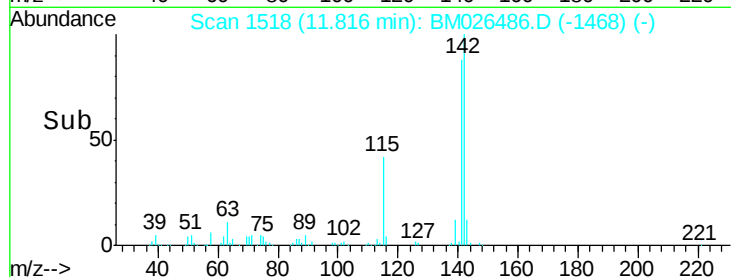
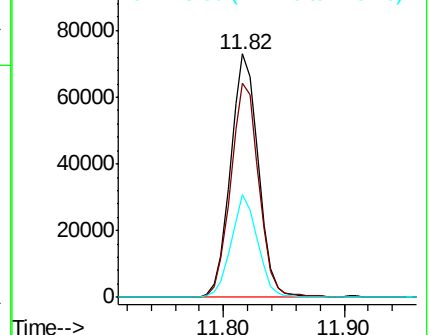


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 8.155 ng

RT: 12.04 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

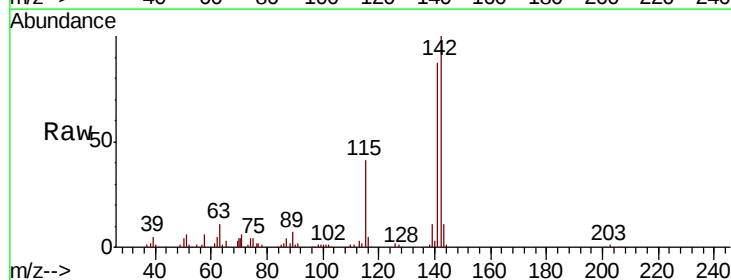
Tgt Ion:142 Resp: 114855

Ion Ratio Lower Upper

142 100

141 86.5 73.3 109.9

116 4.7 3.4 5.0

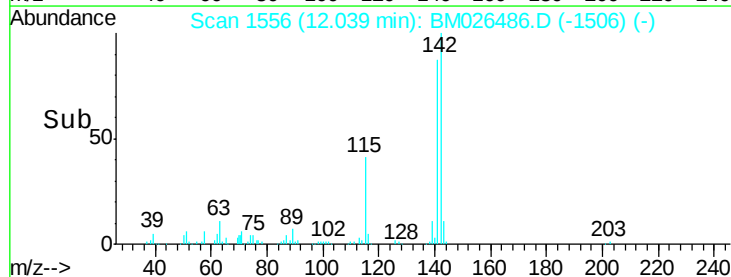
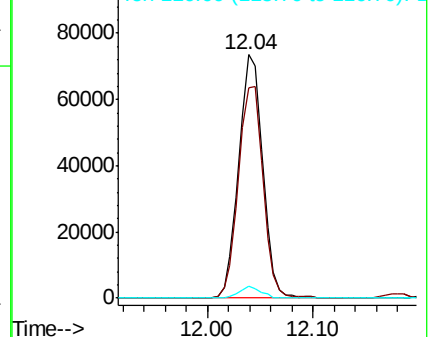


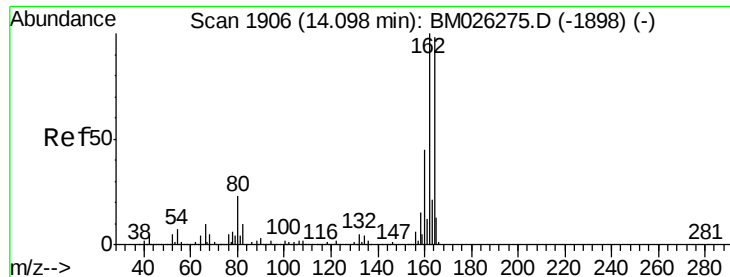
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

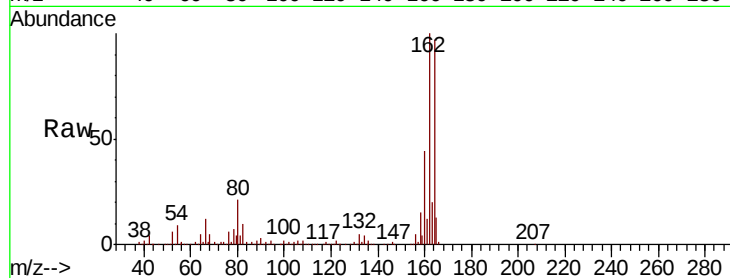
Tot Ion:164 Resp: 277000

Ion Ratio Lower Upper

164 100

162 102.8 77.7 116.5

160 45.0 34.2 51.2

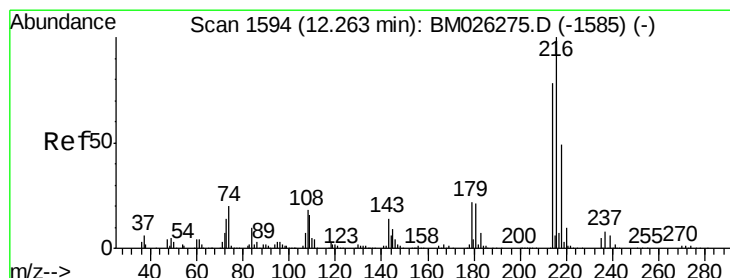
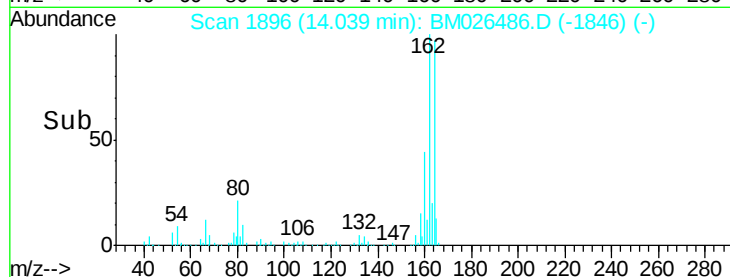
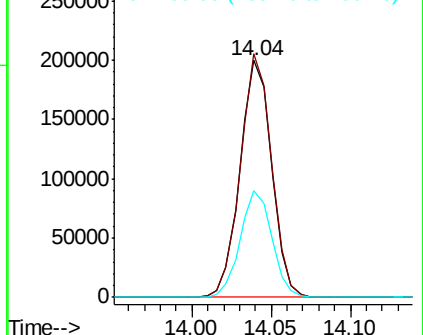


Abundance

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: 8.027 ng

RT: 12.20 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Tgt Ion:216 Resp: 63295

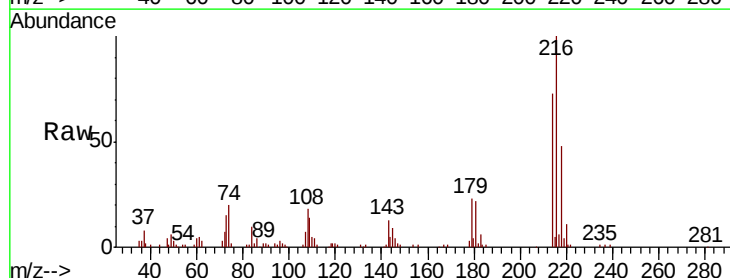
Ion Ratio Lower Upper

216 100

214 77.3 61.9 92.9

179 22.9 16.3 24.5

108 19.6 15.3 22.9



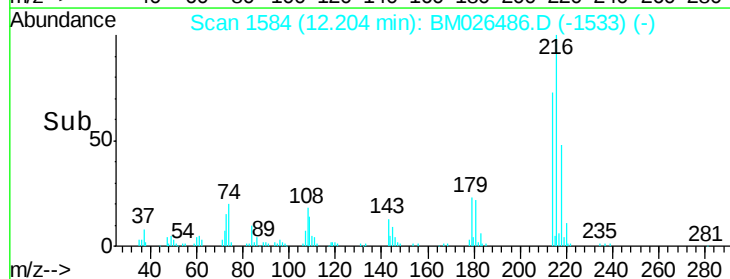
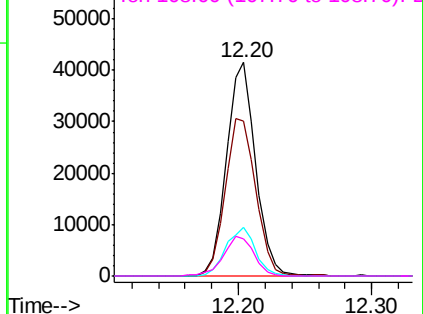
Abundance

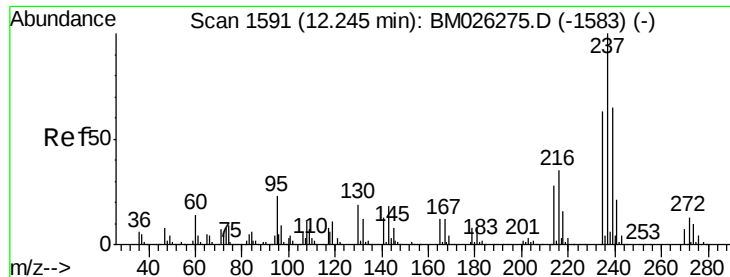
Ion 216.00 (215.70 to 216.70): E

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: 3.216 ng

RT: 12.18 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

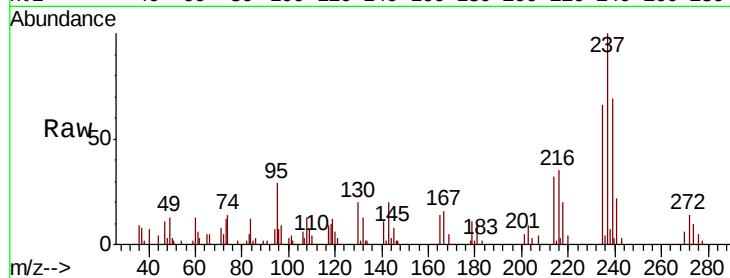
Tot Ion:237 Resp: 14945

Ion Ratio Lower Upper

237 100

235 66.3 42.1 82.1

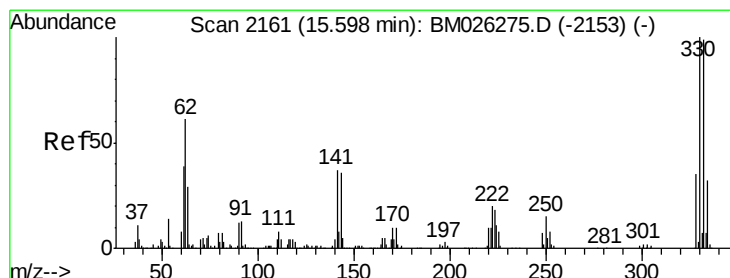
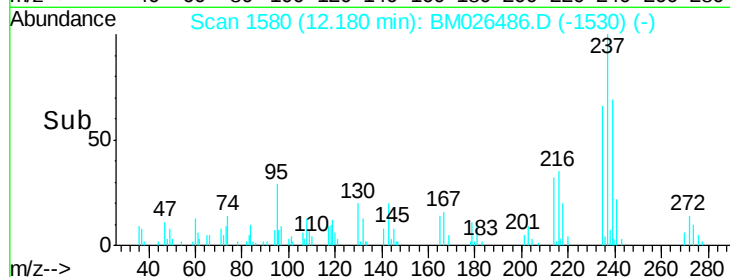
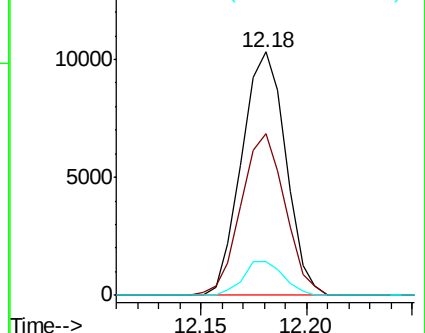
272 13.6 0.0 33.5



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: 195.407 ng

RT: 15.55 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

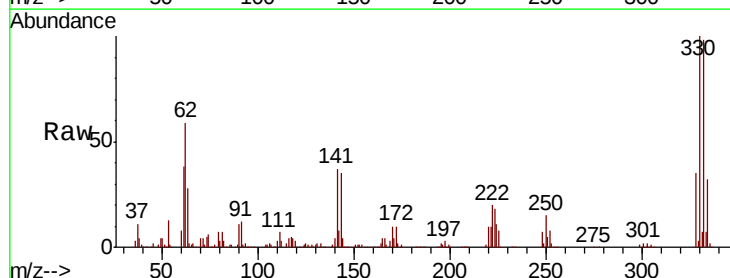
Tgt Ion:330 Resp: 655678

Ion Ratio Lower Upper

330 100

332 96.7 77.7 116.5

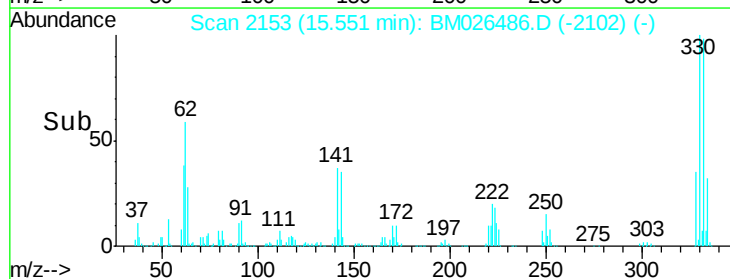
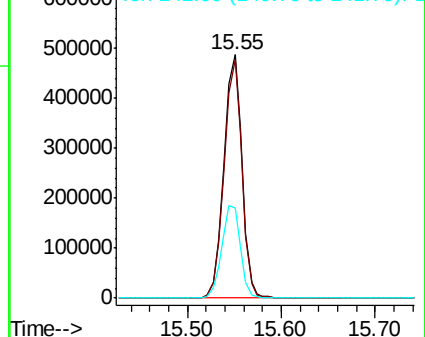
141 39.4 29.7 44.5

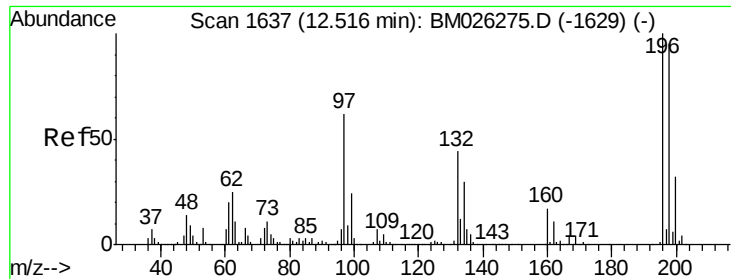


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

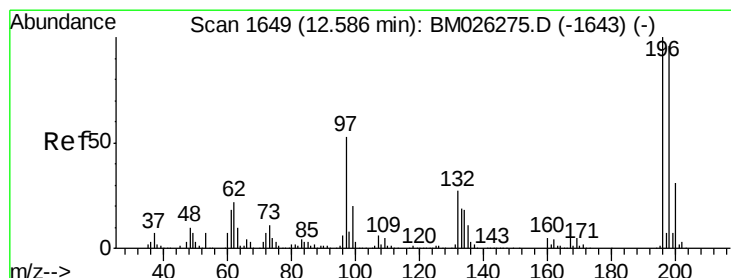
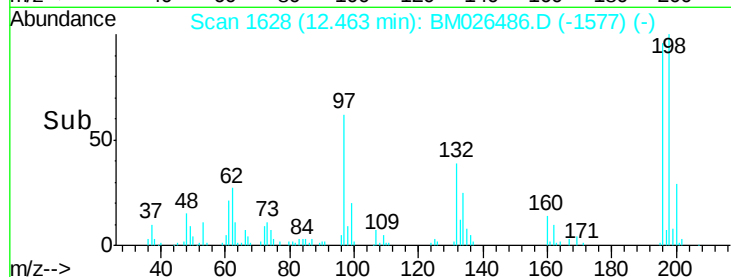
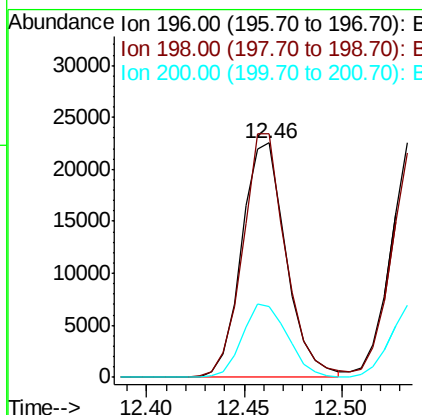
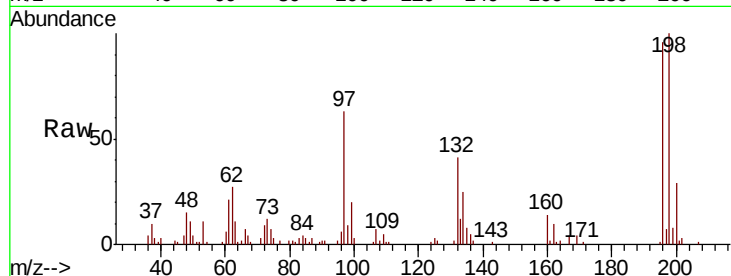




#43
 2,4,6-Trichlorophenol
 Concen: 6.649 ng
 RT: 12.46 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

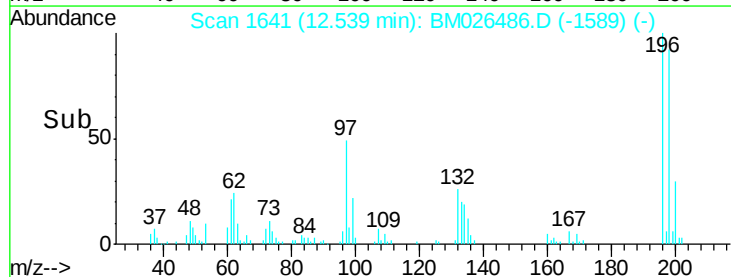
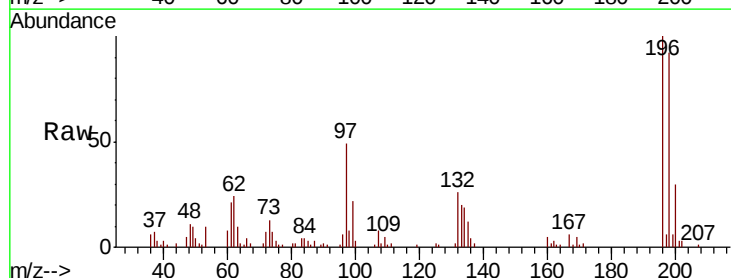
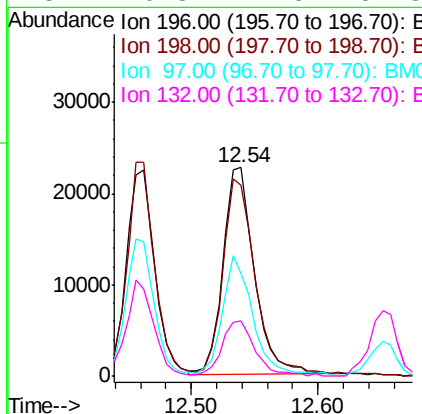
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

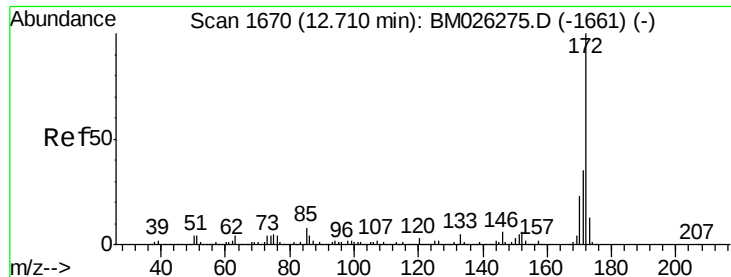
Tot Ion:196 Resp: 35486
 Ion Ratio Lower Upper
 196 100
 198 103.8 79.0 118.4
 200 30.3 25.2 37.8



#44
 2,4,5-Trichlorophenol
 Concen: 6.297 ng
 RT: 12.54 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

Tgt Ion:196 Resp: 39010
 Ion Ratio Lower Upper
 196 100
 198 91.9 77.1 115.7
 97 49.1 43.0 64.4
 132 26.3 21.8 32.8



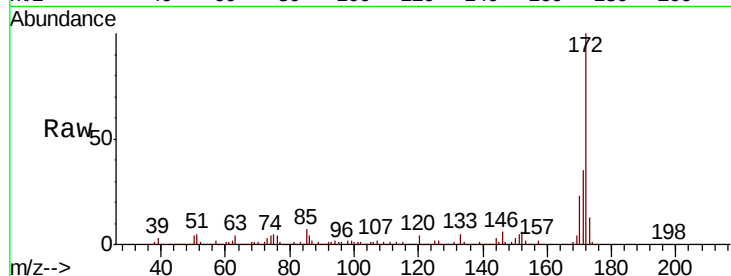


#45
 2-Fluorobiphenyl
 Concen: 116.438 ng
 RT: 12.65 min Scan# 1660
 Delta R.T. -0.01 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

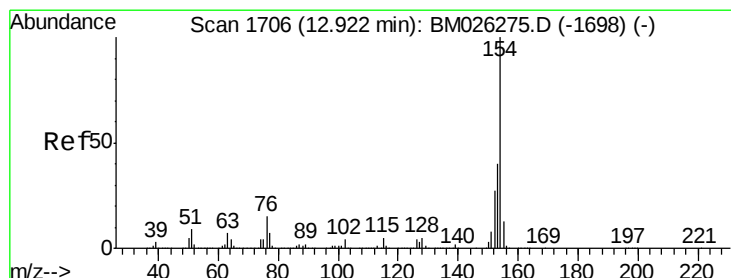
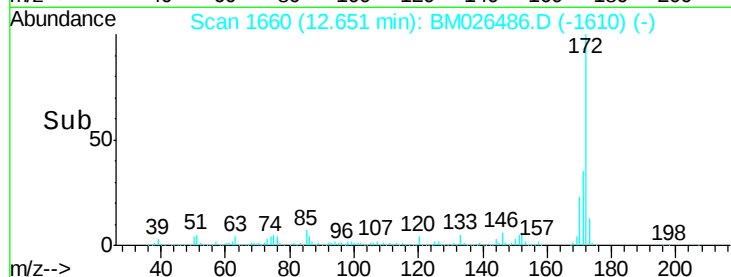
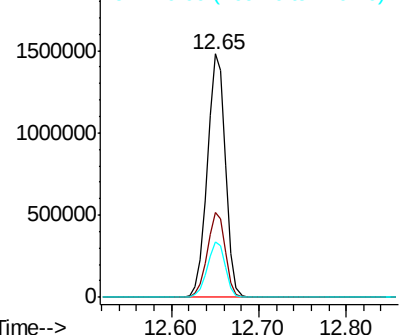
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion:172 Resp: 2124776

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.8
170	23.0	18.2	27.4



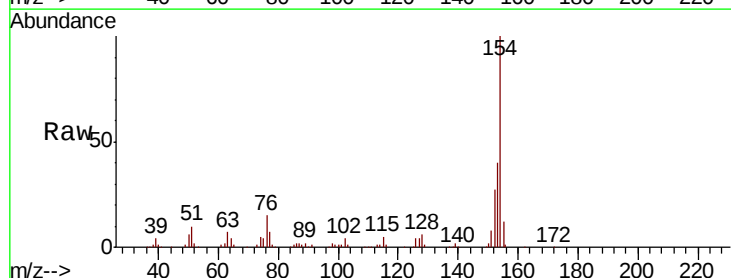
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



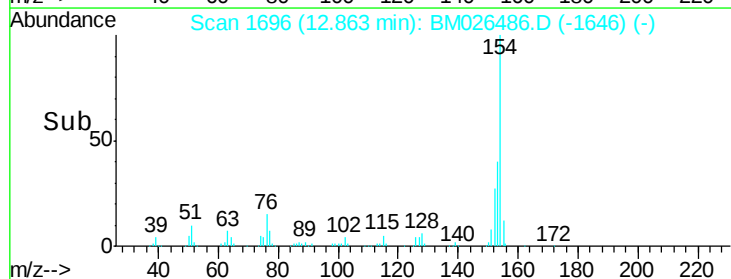
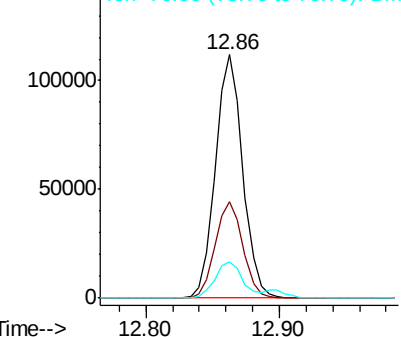
#46
 1,1'-Biphenyl
 Concen: 8.245 ng
 RT: 12.86 min Scan# 1696
 Delta R.T. -0.01 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

Tgt Ion:154 Resp: 160110

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.0	60.0
76	14.8	0.0	34.6



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM0

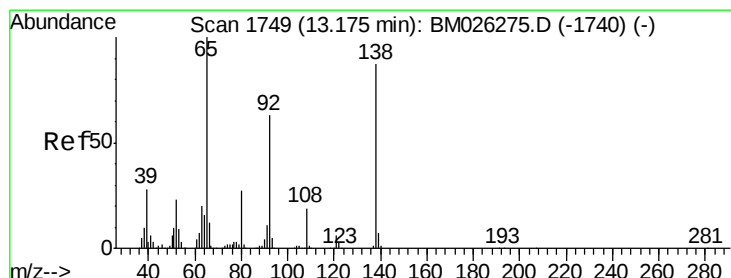
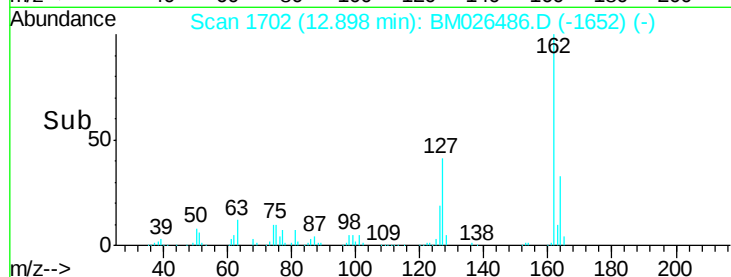
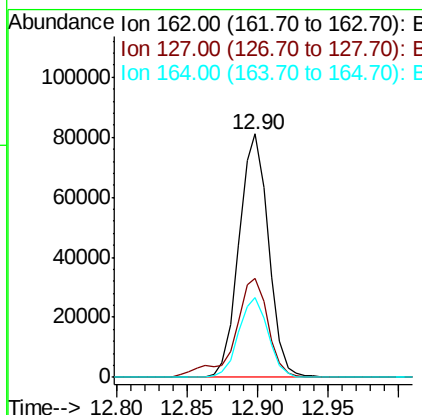
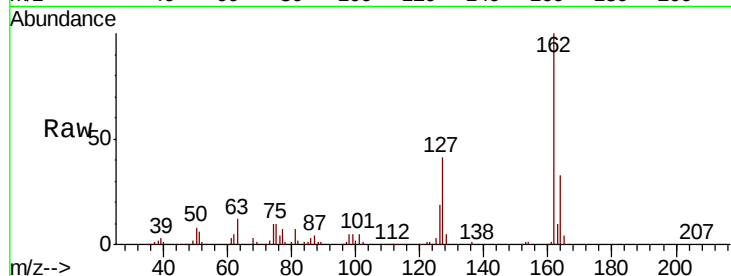




#47
2-Chloronaphthalene
Concen: 7.506 ng
RT: 12.90 min Scan# 1702
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

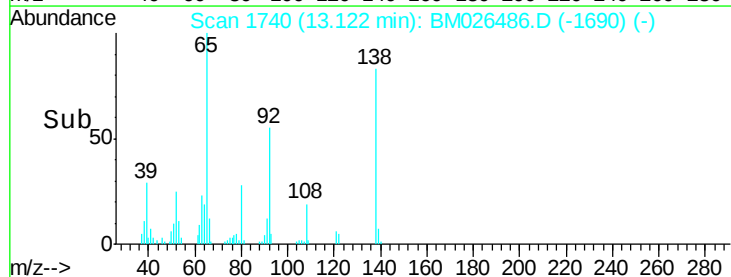
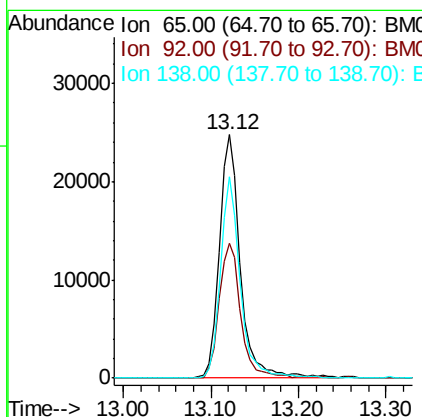
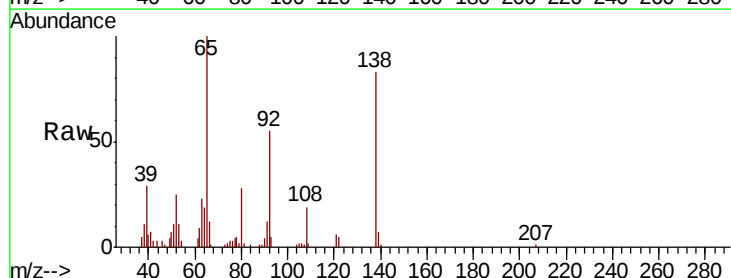
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

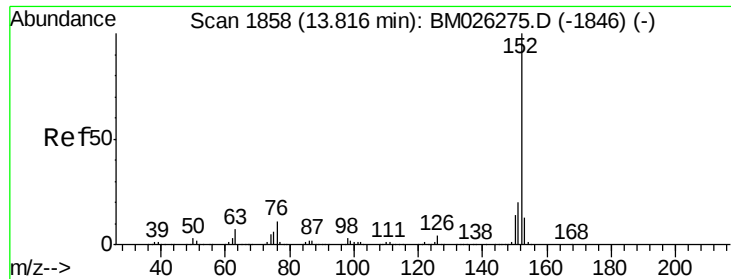
Tot Ion:162 Resp: 118404
Ion Ratio Lower Upper
162 100
127 40.8 34.0 51.0
164 32.6 26.3 39.5



#48
2-Nitroaniline
Concen: 6.578 ng
RT: 13.12 min Scan# 1740
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion: 65 Resp: 41122
Ion Ratio Lower Upper
65 100
92 55.5 50.6 76.0
138 82.5 71.6 107.4





#49

Acenaphthylene

Concen: 7.544 ng

RT: 13.76 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

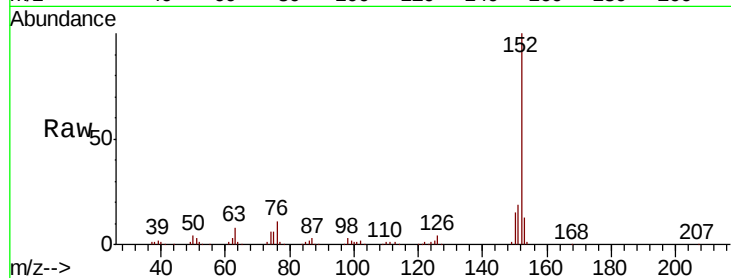
Tot Ion:152 Resp: 190321

Ion Ratio Lower Upper

152 100

151 18.6 15.8 23.6

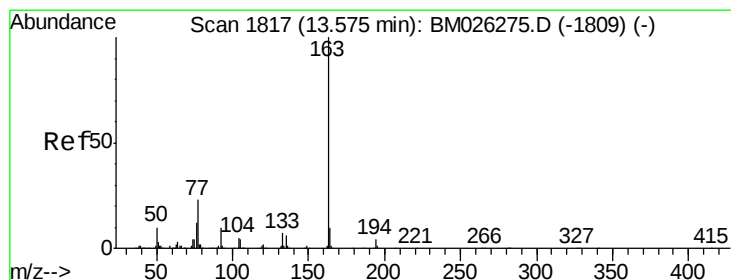
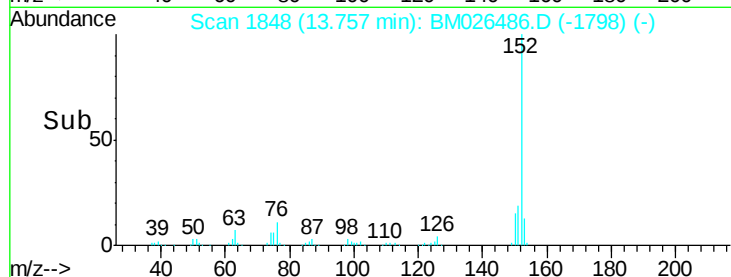
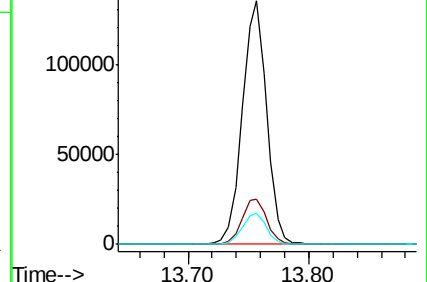
153 12.8 10.1 15.1



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: 7.655 ng

RT: 13.52 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

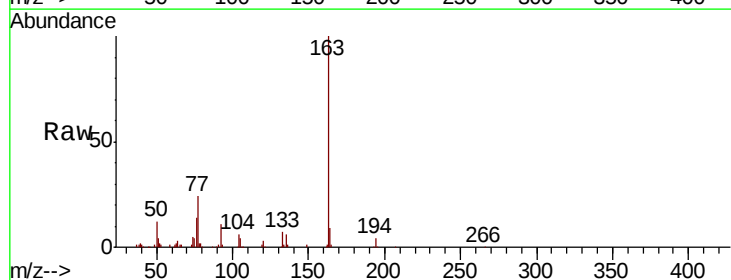
Tgt Ion:163 Resp: 155091

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

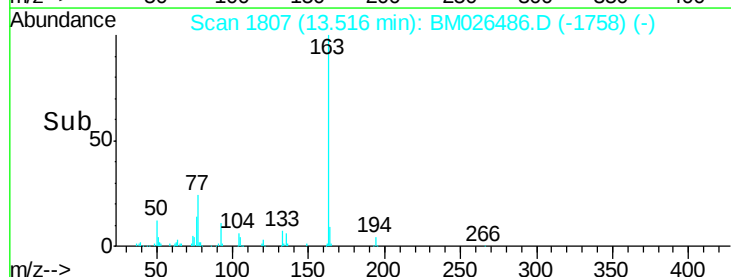
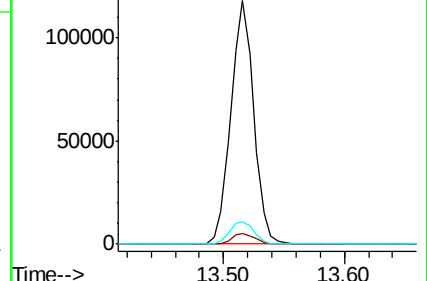
164 9.3 7.8 11.8

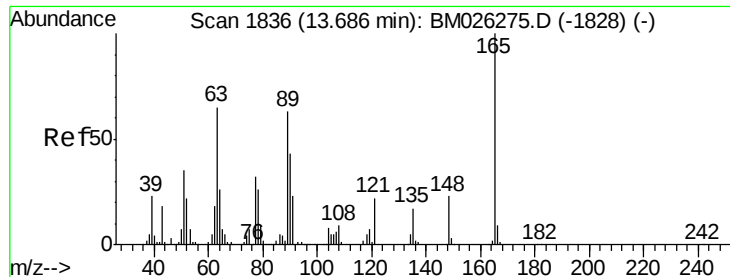


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

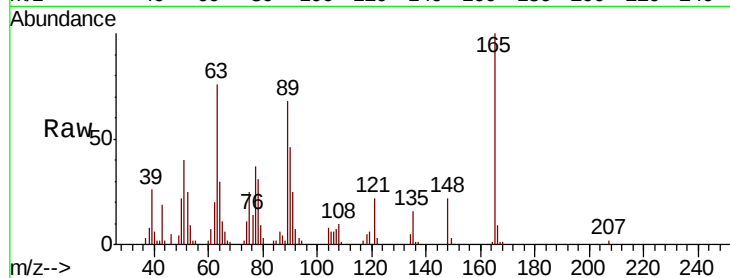




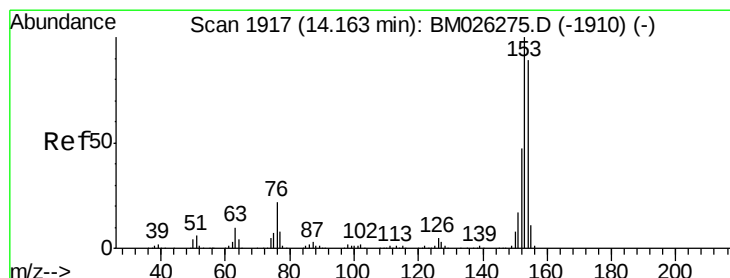
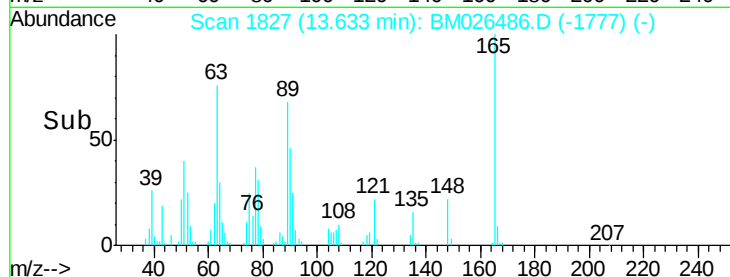
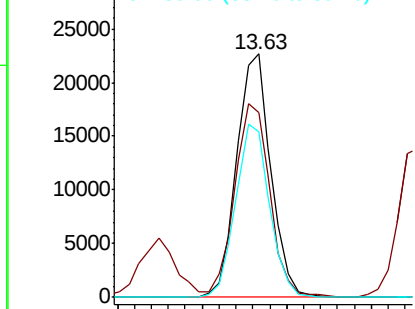
#51
2,6-Dinitrotoluene
Concen: 7.156 ng
RT: 13.63 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:165 Resp: 31813
Ion Ratio Lower Upper
165 100
63 75.9 54.3 81.5
89 67.8 51.5 77.3

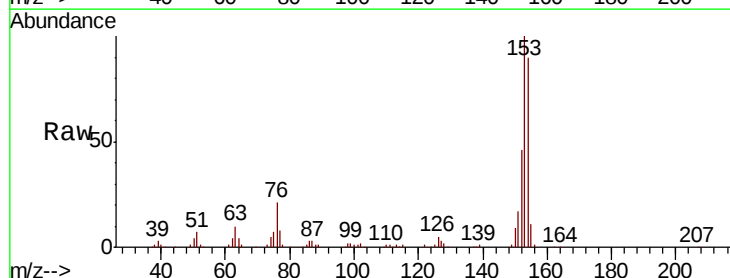


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 89.00 (88.70 to 89.70): BM

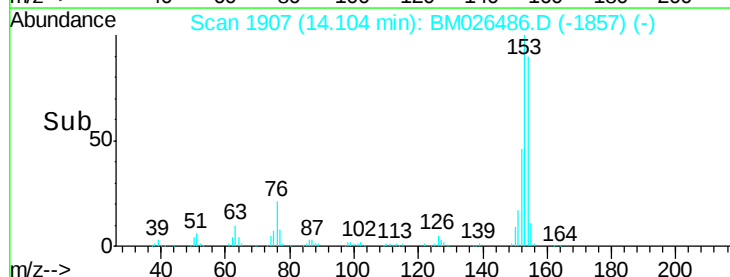
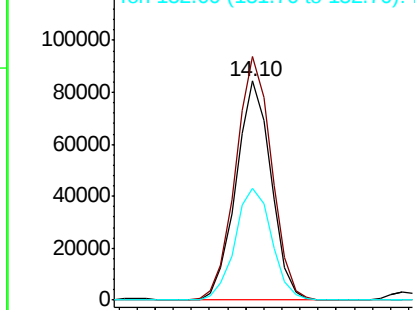


#52
Acenaphthene
Concen: 7.510 ng
RT: 14.10 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion:154 Resp: 113751
Ion Ratio Lower Upper
154 100
153 111.2 88.6 132.8
152 51.2 42.0 63.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

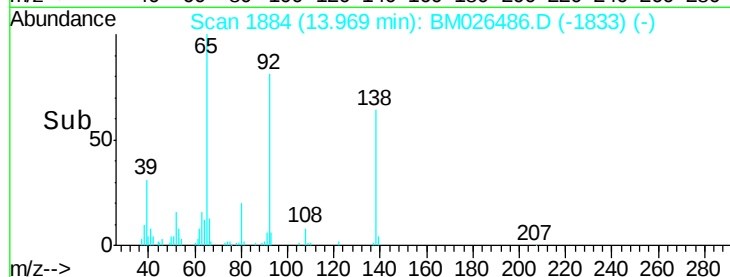
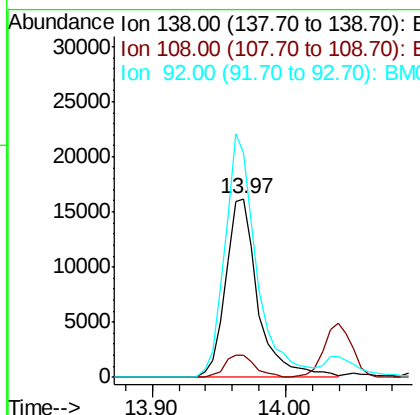
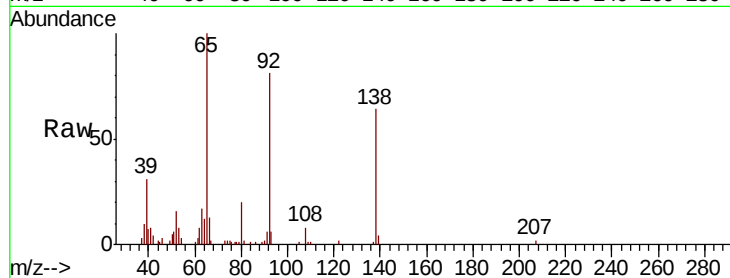




#53
3-Nitroaniline
Concen: 5.560 ng
RT: 13.97 min Scan# 1884
Delta R.T. 0.00 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

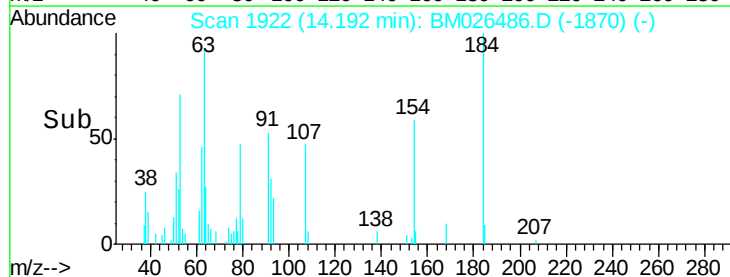
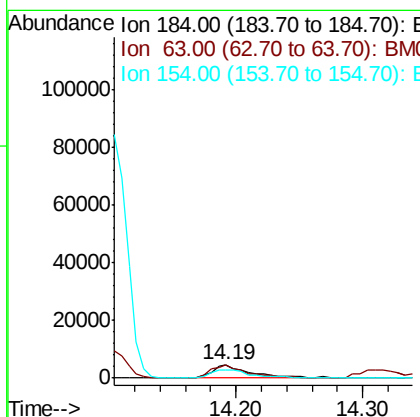
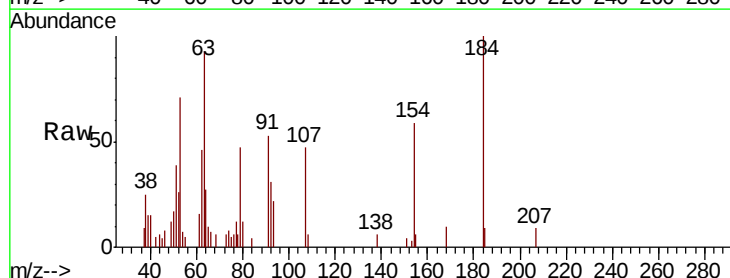
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:138 Resp: 27527
Ion Ratio Lower Upper
138 100
108 12.3 9.4 14.0
92 125.5 105.4 158.2



#54
2,4-Dinitrophenol
Concen: 3.558 ng
RT: 14.19 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion:184 Resp: 9613
Ion Ratio Lower Upper
184 100
63 92.6 61.8 92.6
154 59.3 53.1 79.7





#55

Dibenzenofuran

Concen: 7.699 ng

RT: 14.45 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

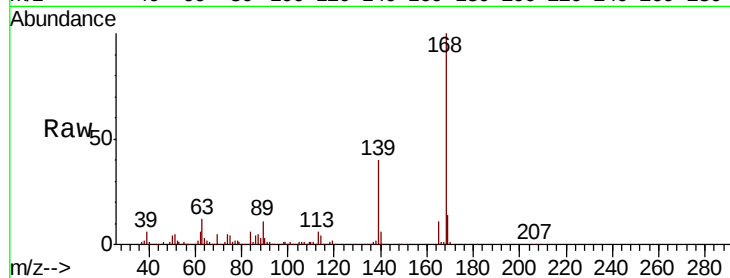
Tot Ion:168 Resp: 187897

Ion Ratio Lower Upper

168 100

139 39.6 31.4 47.0

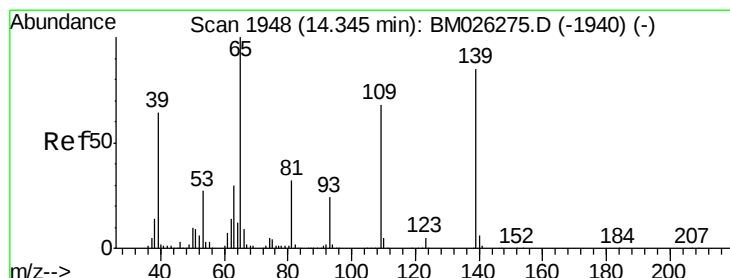
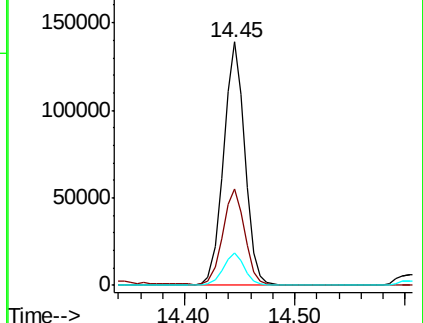
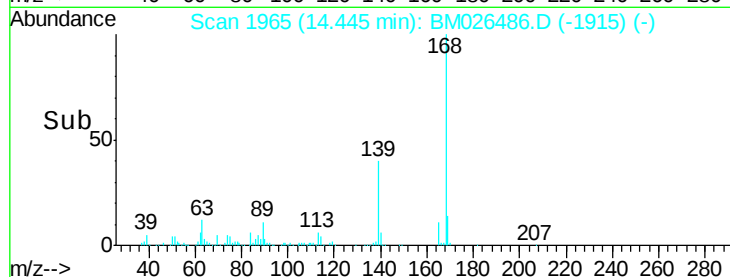
169 13.5 10.7 16.1



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: 4.431 ng

RT: 14.31 min Scan# 1942

Delta R.T. 0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

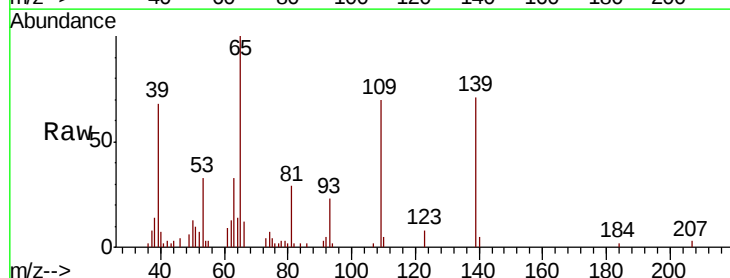
Tgt Ion:139 Resp: 17396

Ion Ratio Lower Upper

139 100

109 98.5 64.9 104.9

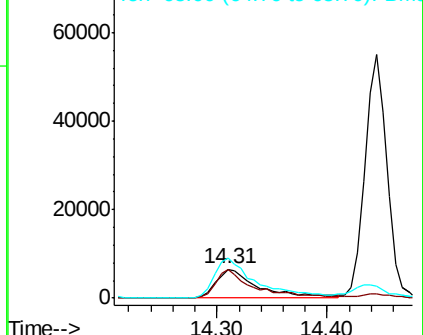
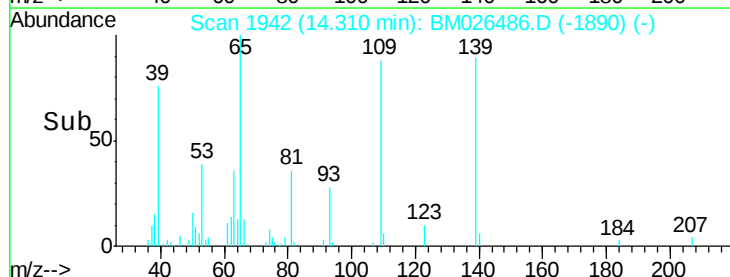
65 140.0 98.1 138.1#

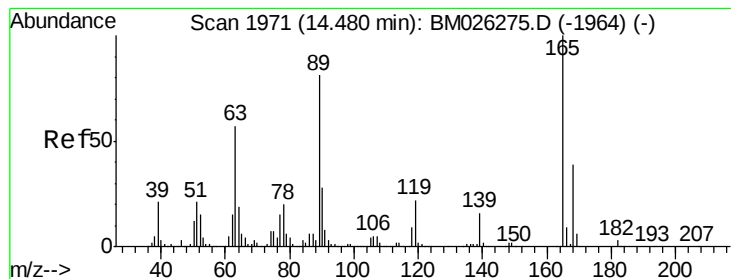


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM





#57

2,4-Dinitrotoluene

Concen: 6.848 ng

RT: 14.43 min Scan# 1963

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

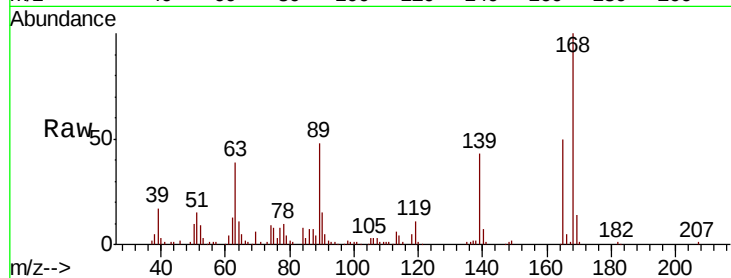
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:165	Resp:	42329
Ion Ratio	Lower	Upper
165	100	
63	77.5	48.1 72.1#
89	96.4	65.6 98.4
182	2.9	2.7 4.1

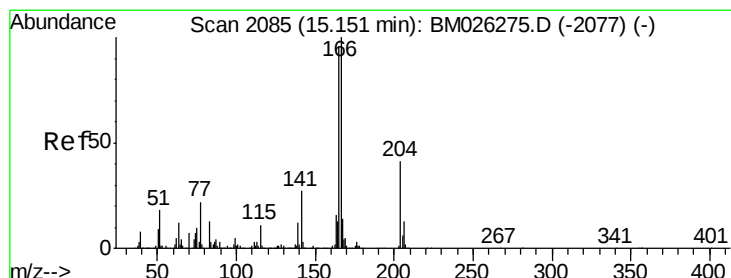
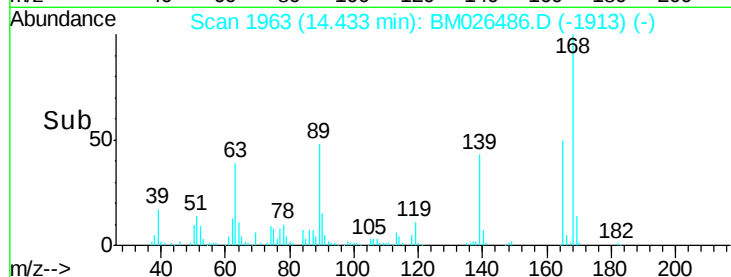
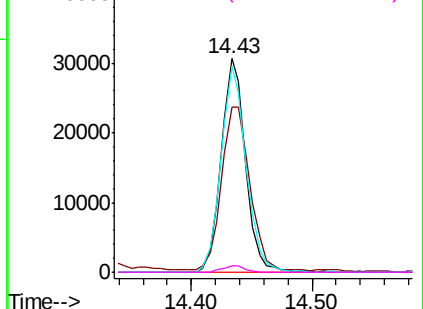


Abundance Ion 165.00 (164.70 to 165.70): E

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: 7.598 ng

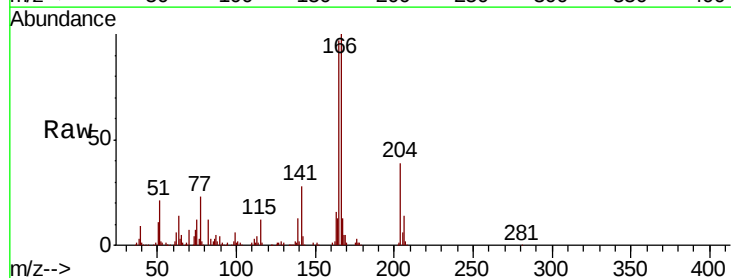
RT: 15.10 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

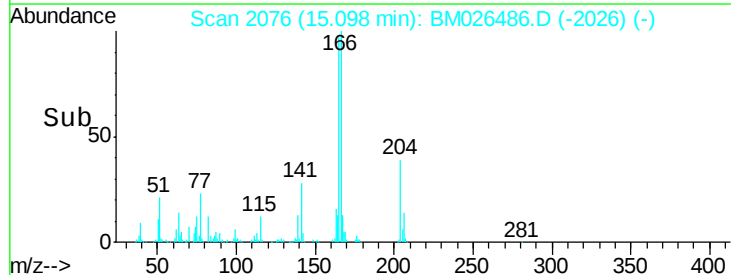
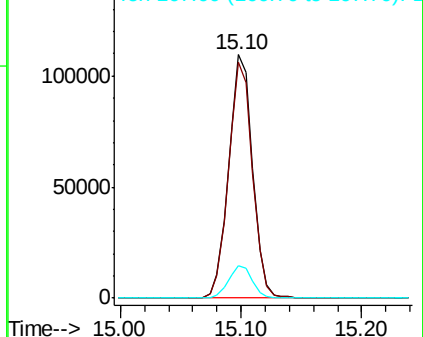
Tgt Ion:166	Resp:	150600
Ion Ratio	Lower	Upper
166	100	
165	96.7	77.5 116.3
167	13.2	10.9 16.3

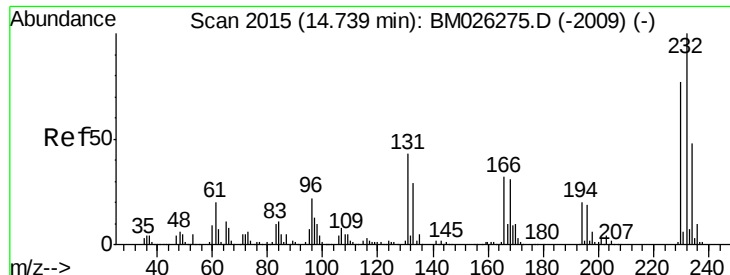


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

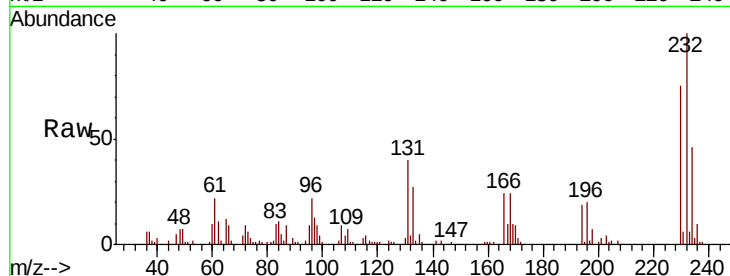




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.737 ng
 RT: 14.60 min Scan# 1992
 Delta R.T. -0.09 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
232	100		
131	42.3	36.4	54.6
130	2.1	2.0	3.0
166	25.9	24.8	37.2



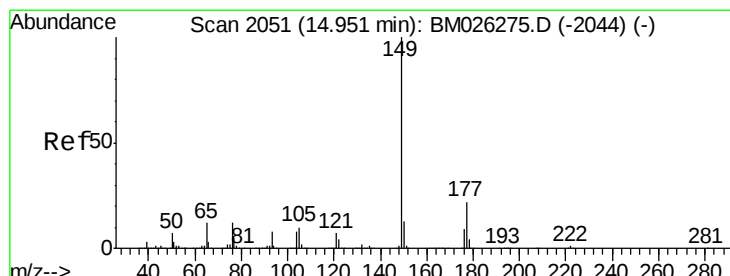
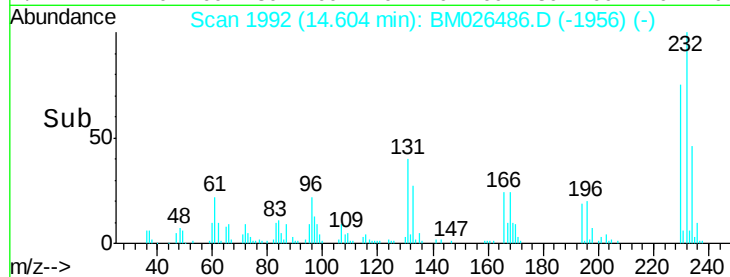
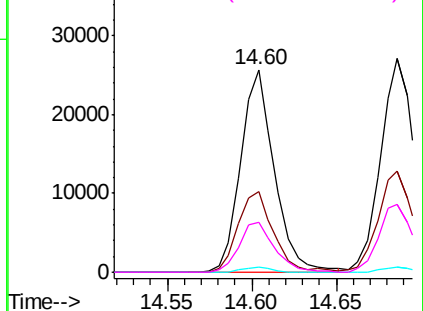
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

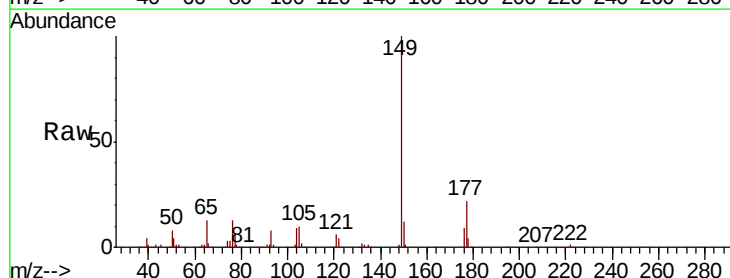
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 7.666 ng
 RT: 14.90 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.3	9.9	14.9

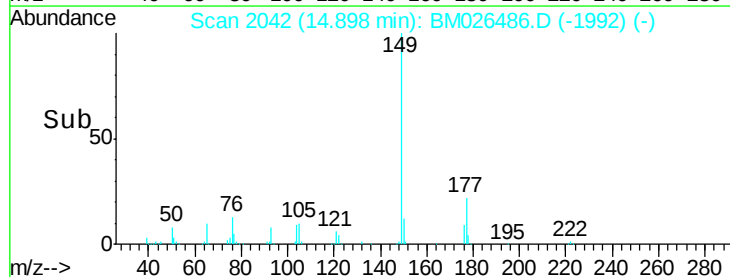
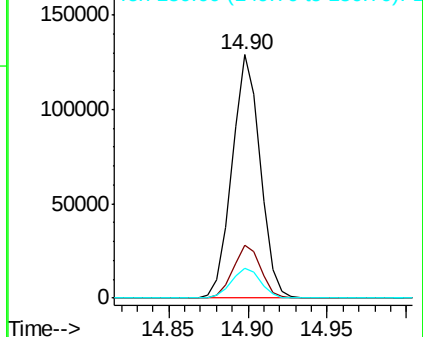


Abundance

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

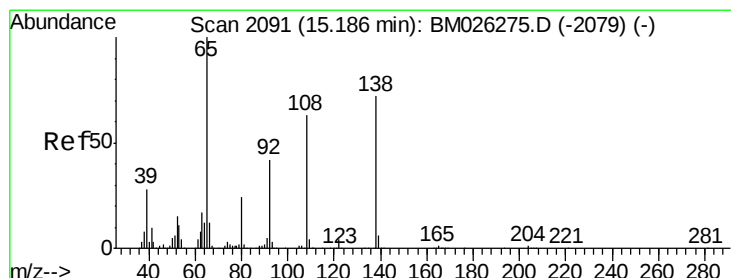
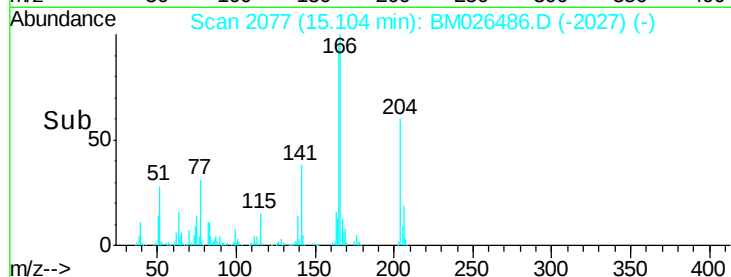
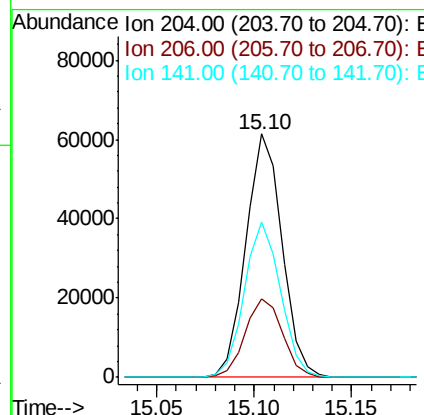
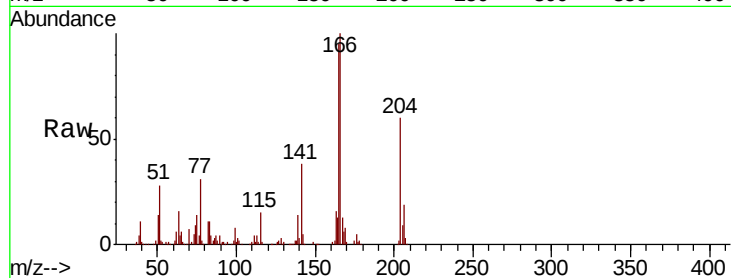




#61
 4-Chlorophenyl-phenylether
 Concen: 7.499 ng
 RT: 15.10 min Scan# 2077
 Delta R.T. -0.01 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

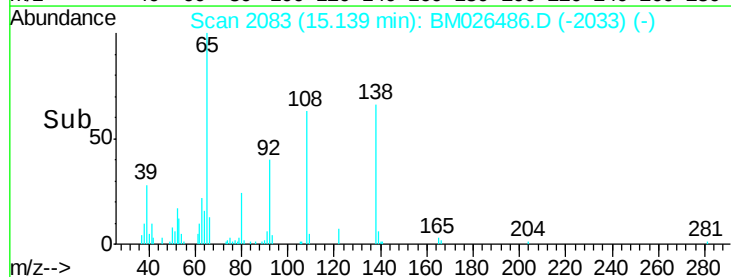
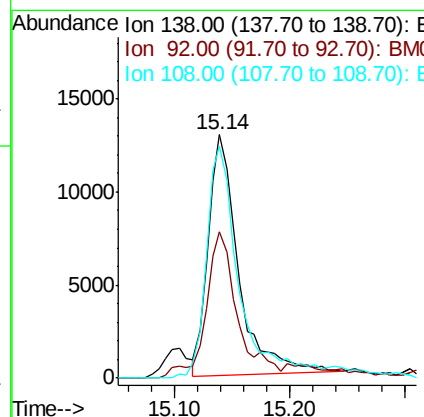
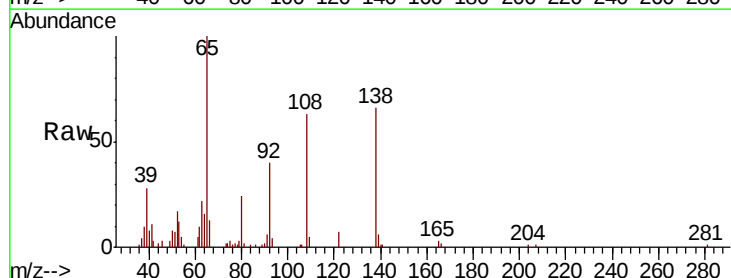
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

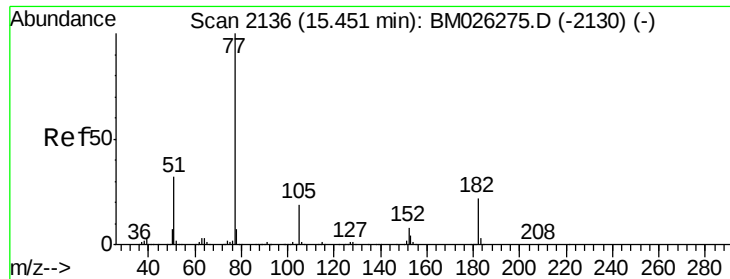
Tot Ion:204 Resp: 78846
 Ion Ratio Lower Upper
 204 100
 206 32.0 26.6 40.0
 141 63.6 49.4 74.2



#62
 4-Nitroaniline
 Concen: 4.479 ng
 RT: 15.14 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: BM026486.D
 Acq: 22 Jun 2020 12:20

Tgt Ion:138 Resp: 23648
 Ion Ratio Lower Upper
 138 100
 92 60.3 37.5 77.5
 108 95.6 66.3 106.3





#63

Azobenzene

Concen: 7.761 ng

RT: 15.40 min Scan# 2127

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion: 77 Resp: 175224

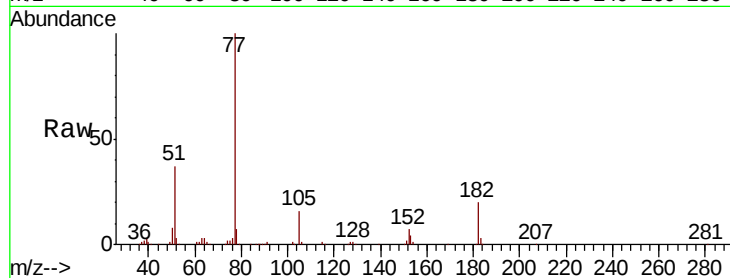
Ion Ratio Lower Upper

77 100

182 20.4 2.1 42.1

105 16.5 0.0 38.3

51 36.7 13.5 53.5

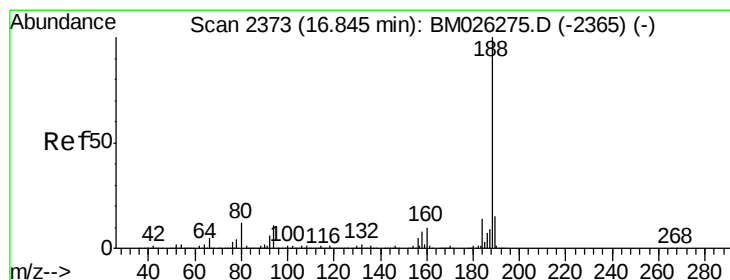
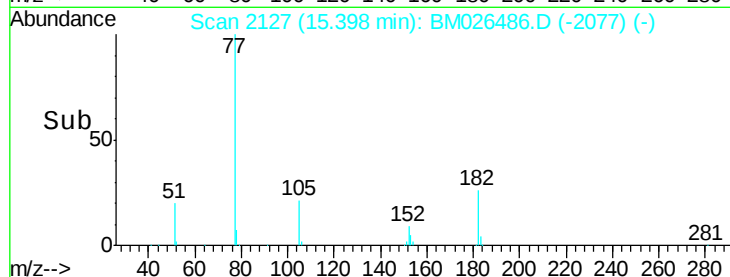
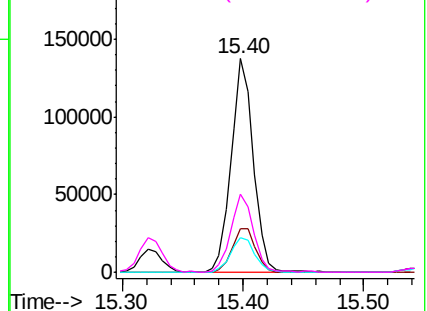


Abundance Ion 77.00 (76.70 to 77.70): BM0

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: BM026486.D

Acq: 22 Jun 2020 12:20

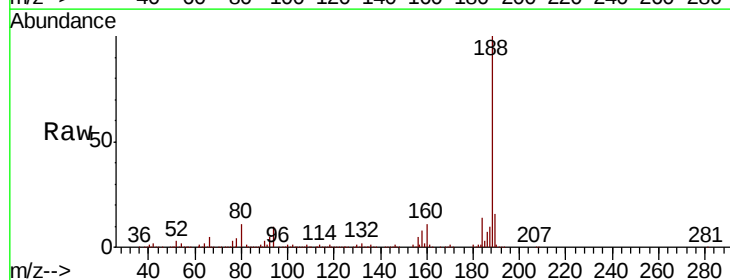
Tgt Ion: 188 Resp: 617881

Ion Ratio Lower Upper

188 100

94 9.7 7.8 11.6

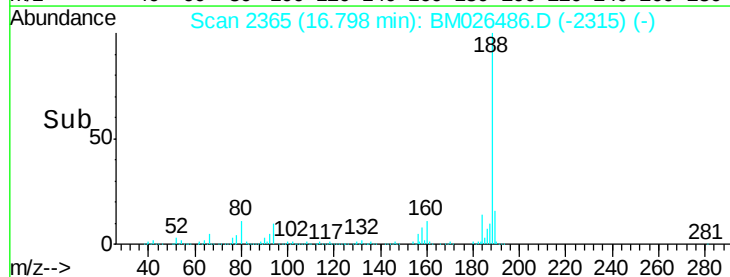
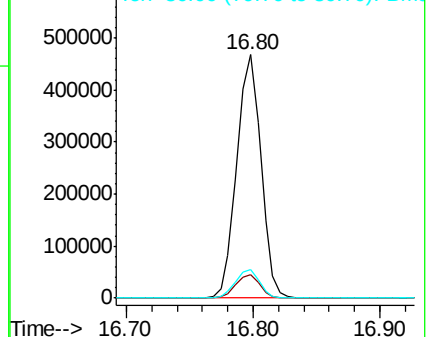
80 11.5 9.5 14.3

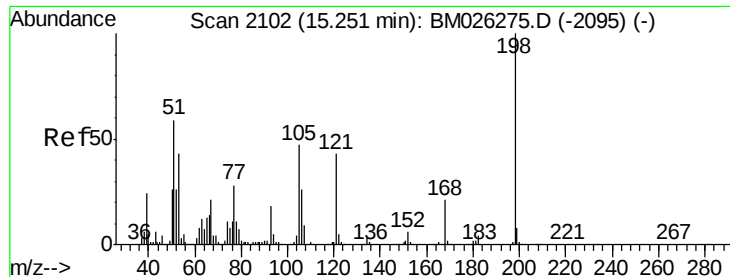


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

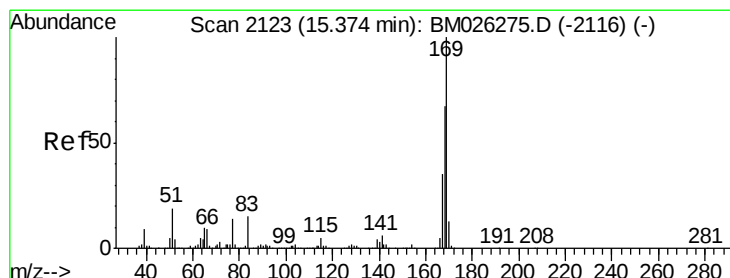
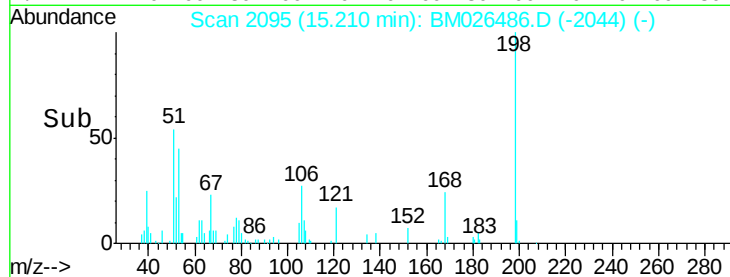
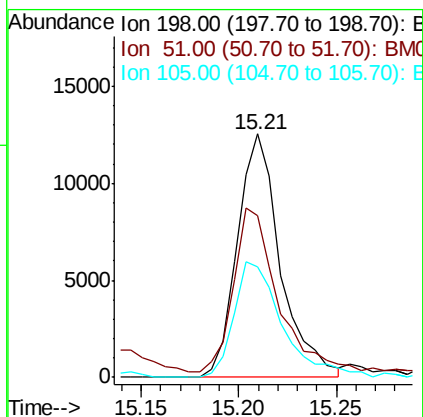
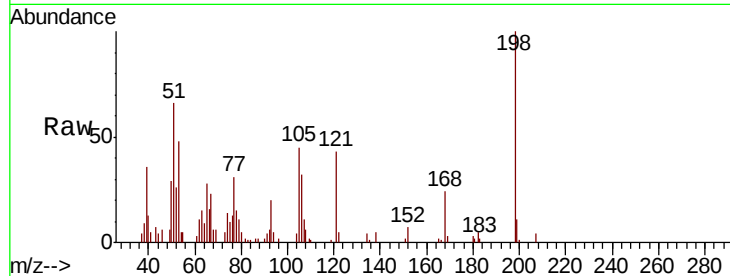




#65
4,6-Dinitro-2-methylphenol
Concen: 5.109 ng
RT: 15.21 min Scan# 2095
Delta R.T. 0.00 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

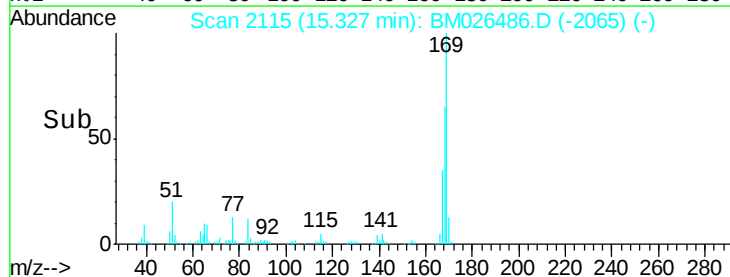
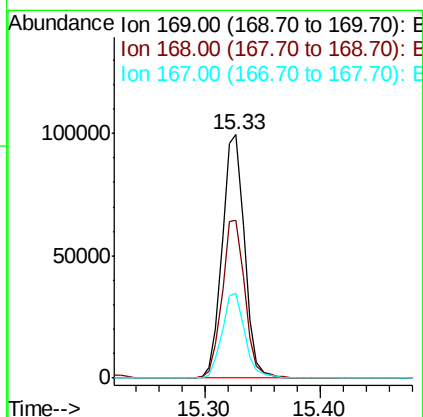
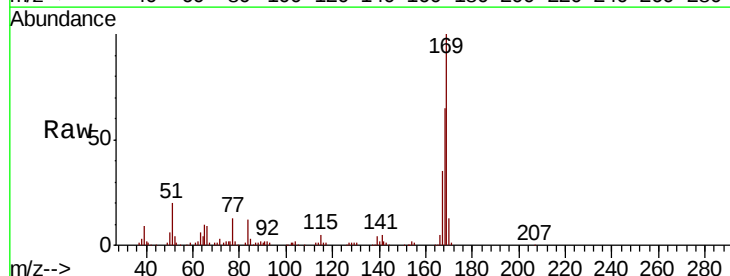
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

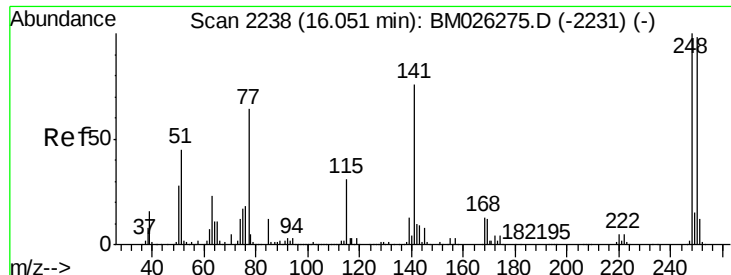
Tot Ion	Ratio	Lower	Upper
198	100		
51	66.4	35.6	75.6
105	45.4	24.3	64.3



#66
n-Nitrosodiphenylamine
Concen: 7.447 ng
RT: 15.33 min Scan# 2115
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion	Ratio	Lower	Upper
169	100		
168	64.9	51.6	77.4
167	35.1	28.2	42.4

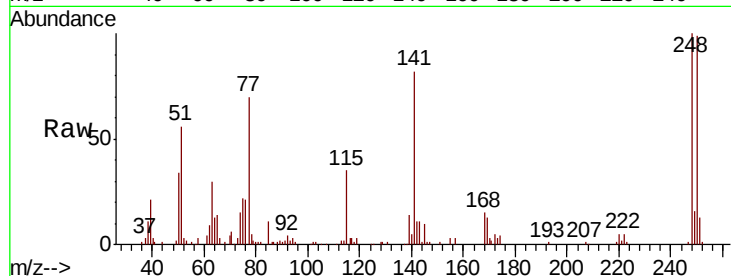




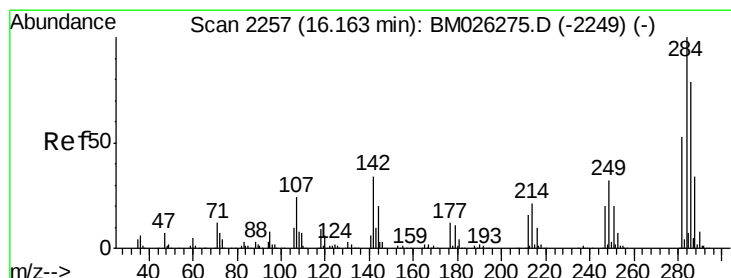
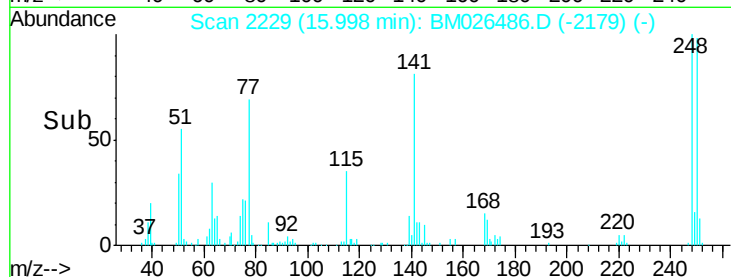
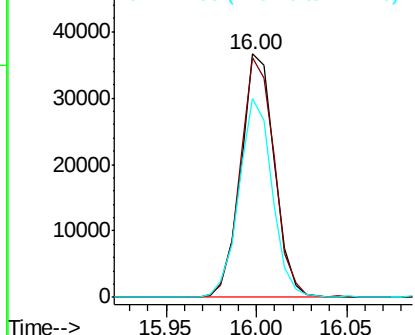
#67
4-Bromophenyl-phenylether
Concen: 6.938 ng
RT: 16.00 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:248 Resp: 47189
Ion Ratio Lower Upper
248 100
250 98.6 78.4 117.6
141 81.6 60.6 91.0

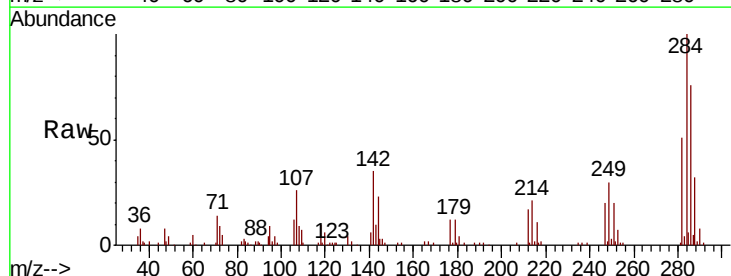


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

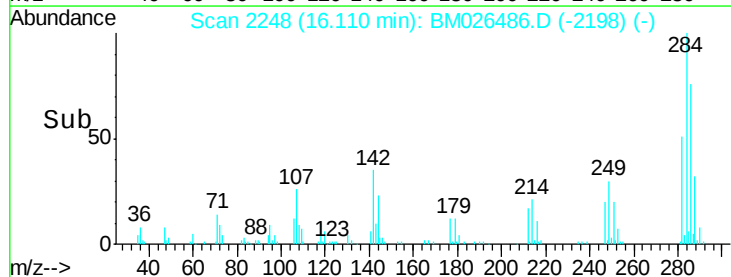
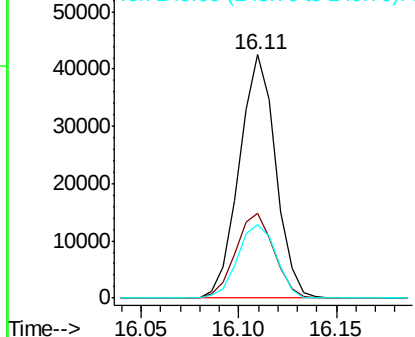


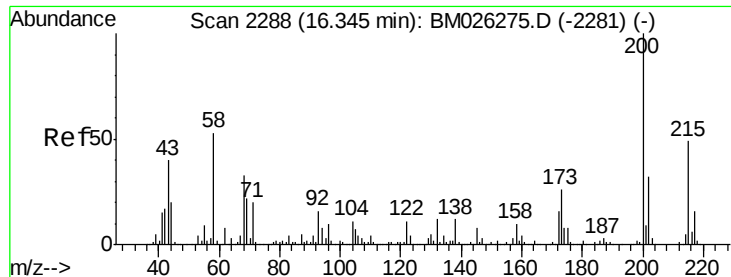
#68
Hexachlorobenzene
Concen: 7.718 ng
RT: 16.11 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion:284 Resp: 54778
Ion Ratio Lower Upper
284 100
142 35.0 29.1 43.7
249 30.0 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: 9.806 ng

RT: 16.29 min Scan# 2279

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

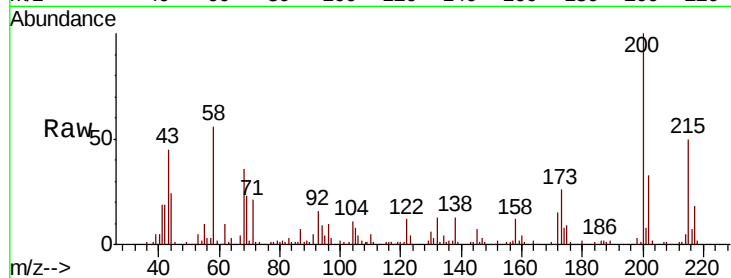
Tot Ion:200 Resp: 52438

Ion Ratio Lower Upper

200 100

173 26.2 6.6 46.6

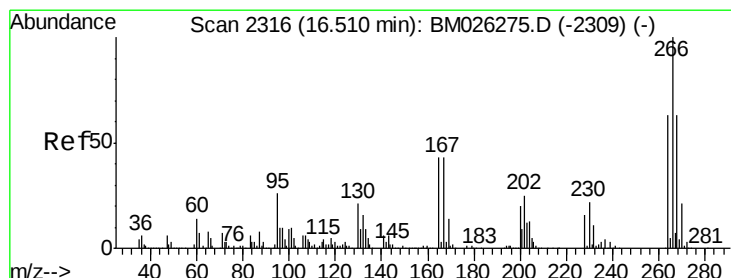
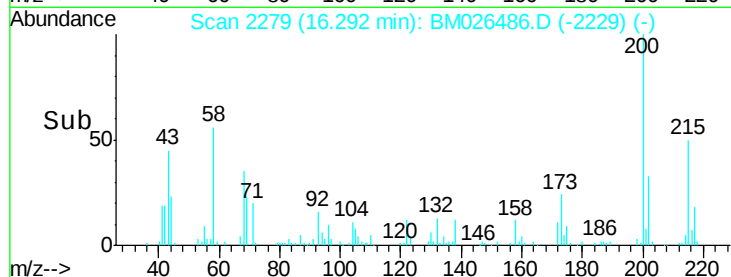
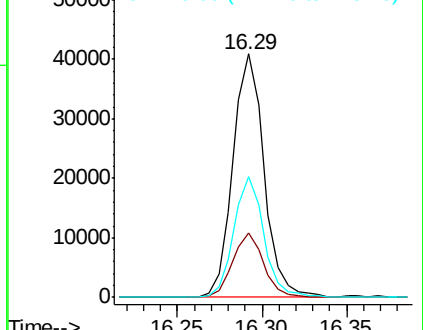
215 49.8 29.8 69.8



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: 5.375 ng

RT: 16.46 min Scan# 2308

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

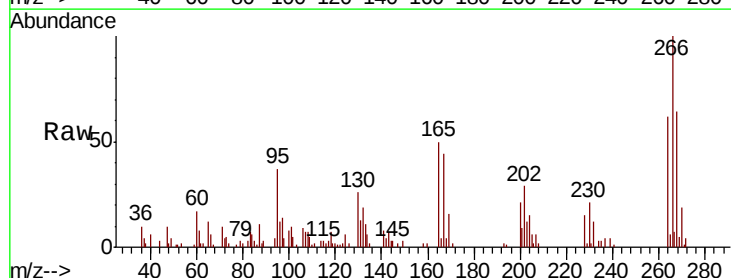
Tgt Ion:266 Resp: 22975

Ion Ratio Lower Upper

266 100

268 63.6 50.2 75.4

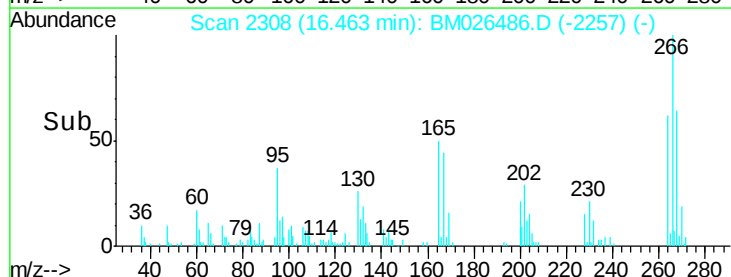
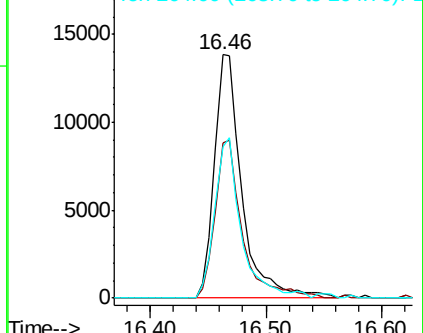
264 62.2 50.6 75.8

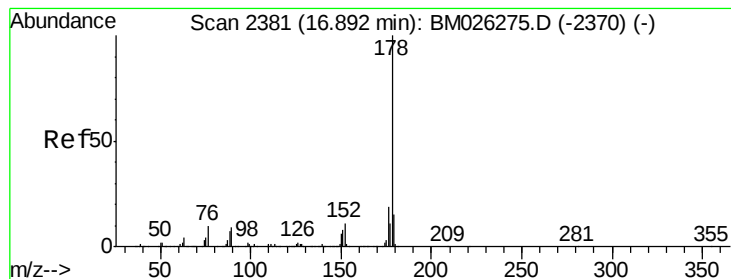


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 7.707 ng

RT: 16.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

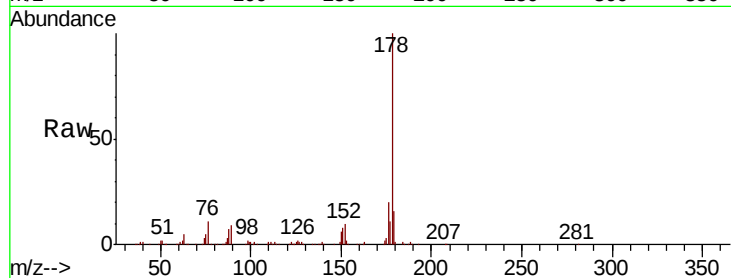
Tot Ion:178 Resp: 247986

Ion Ratio Lower Upper

178 100

176 19.8 15.1 22.7

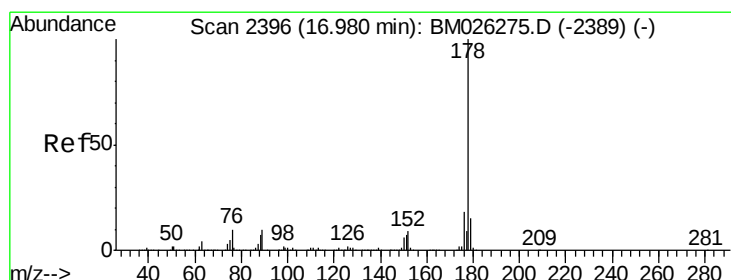
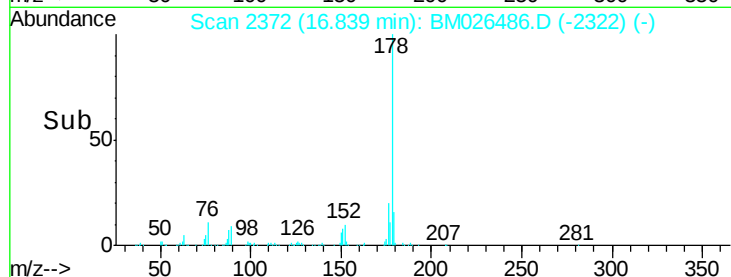
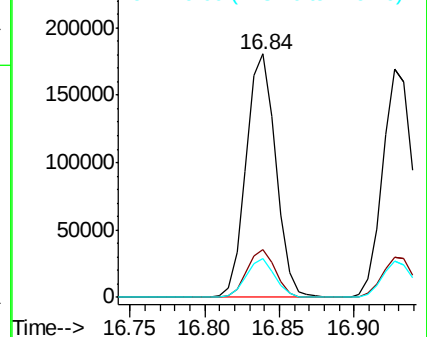
179 15.9 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 7.488 ng

RT: 16.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

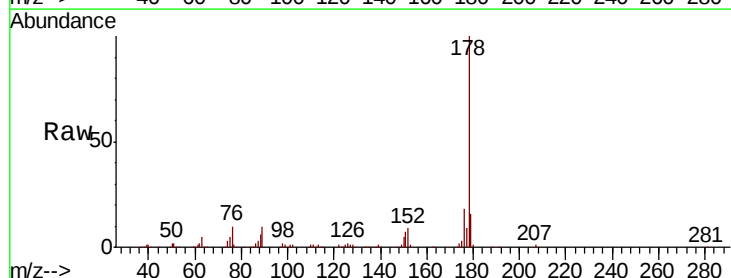
Tgt Ion:178 Resp: 240454

Ion Ratio Lower Upper

178 100

176 17.6 14.5 21.7

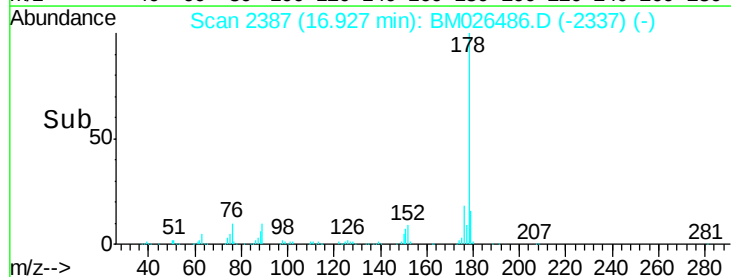
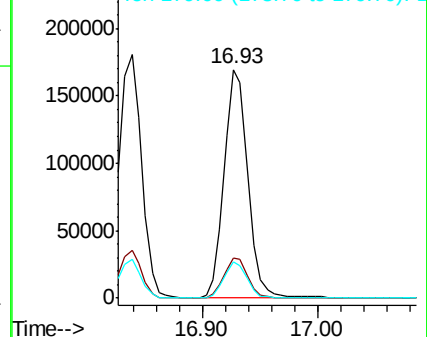
179 15.9 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 6.942 ng

RT: 17.21 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

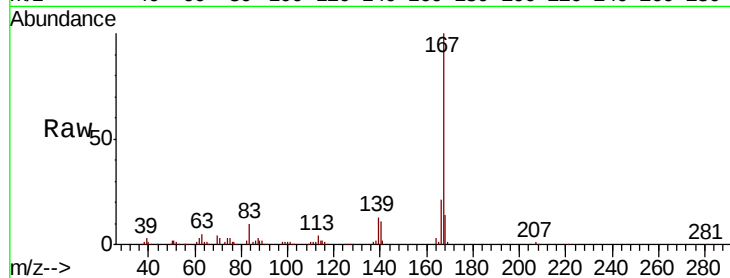
Tot Ion:167 Resp: 211394

Ion Ratio Lower Upper

167 100

166 20.5 16.9 25.3

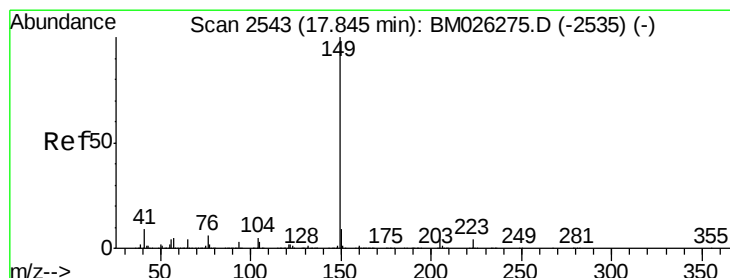
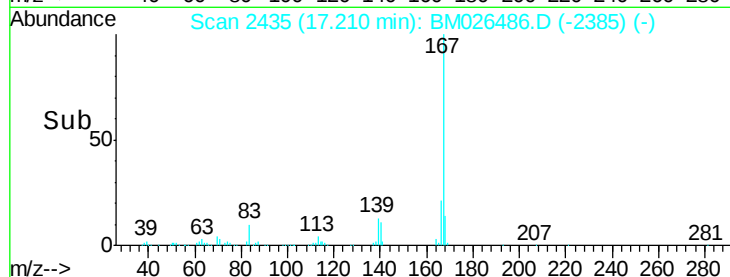
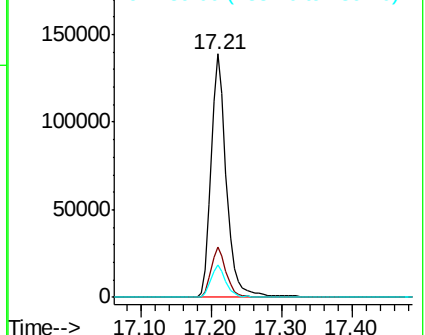
139 13.2 10.2 15.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 7.220 ng

RT: 17.79 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

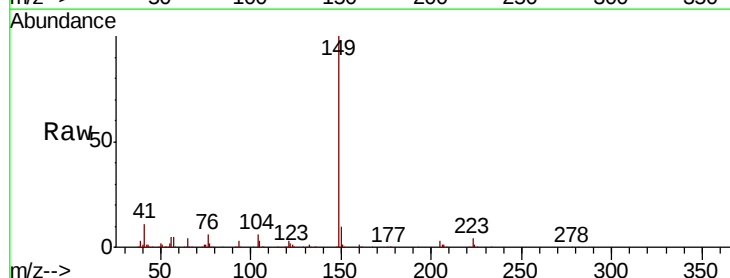
Tgt Ion:149 Resp: 259293

Ion Ratio Lower Upper

149 100

150 9.6 7.1 10.7

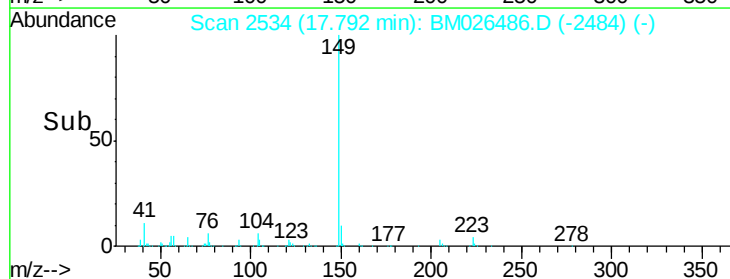
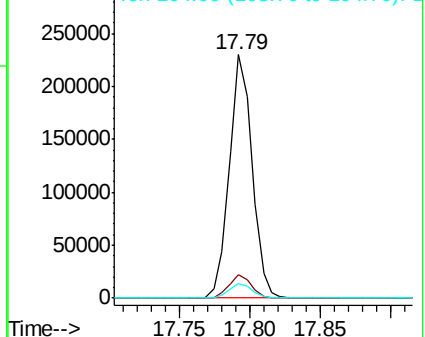
104 5.8 4.2 6.2

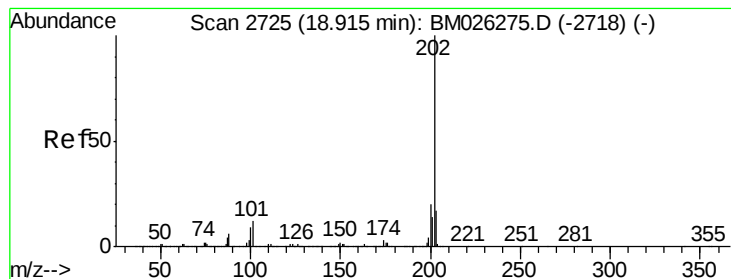


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 7.981 ng

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

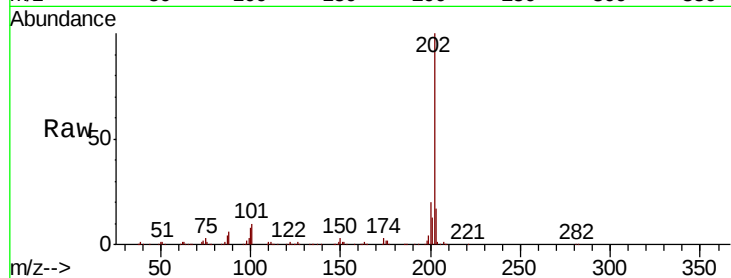
Tot Ion:202 Resp: 294400

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.9

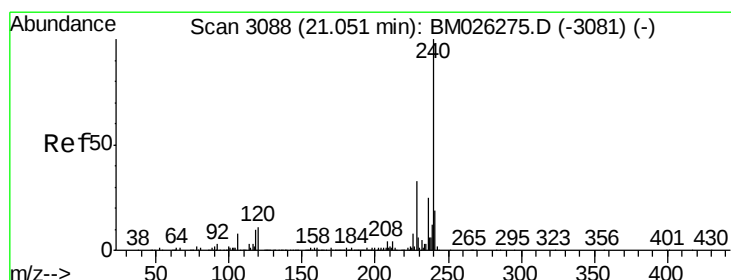
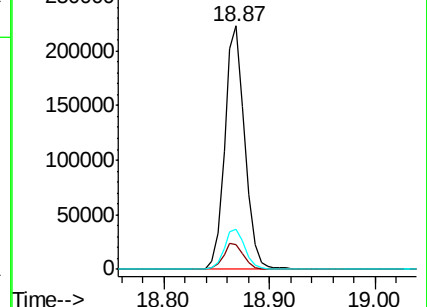
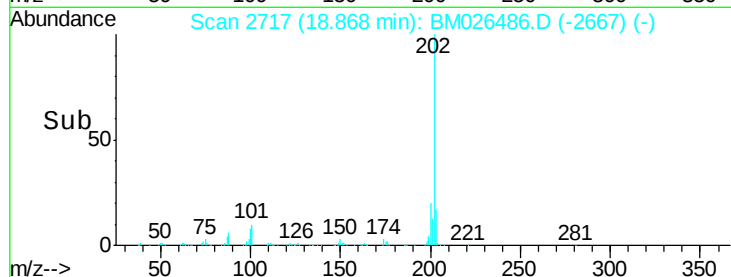
203 16.7 0.0 37.5



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: BM026486.D

Acq: 22 Jun 2020 12:20

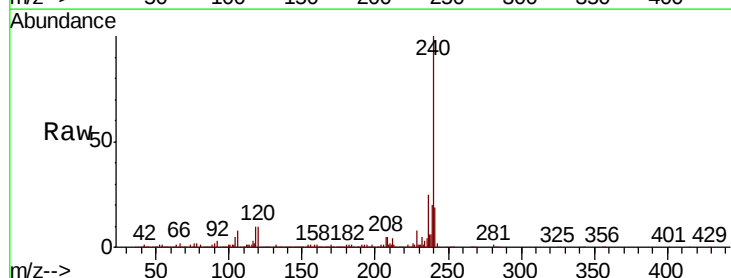
Tgt Ion:240 Resp: 640432

Ion Ratio Lower Upper

240 100

120 10.5 9.3 13.9

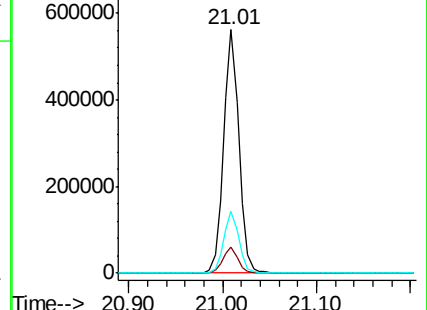
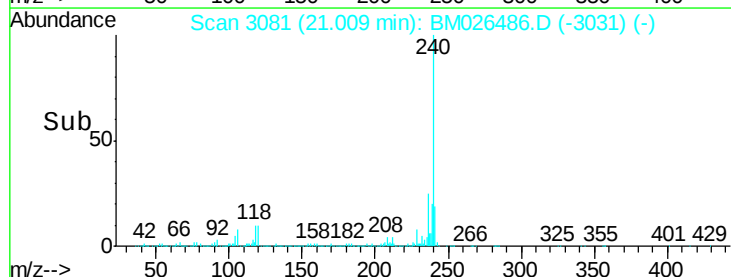
236 25.2 19.4 29.0

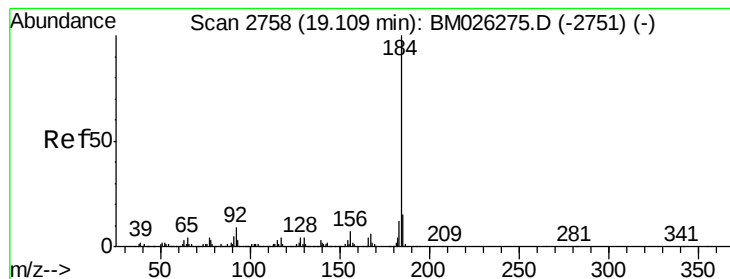


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.667 ng

RT: 19.07 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

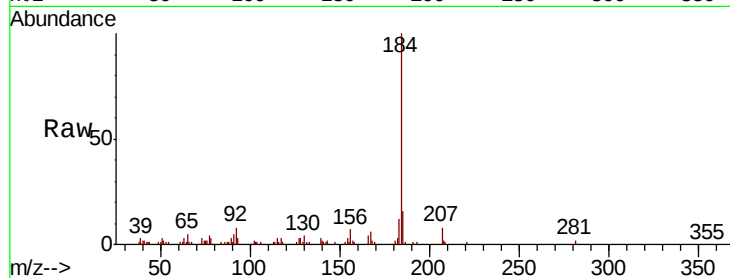
Tot Ion:184 Resp: 88694

Ion Ratio Lower Upper

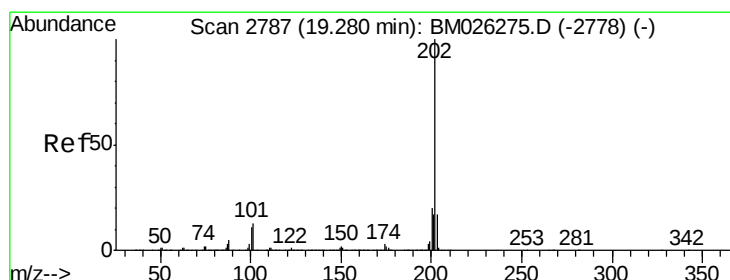
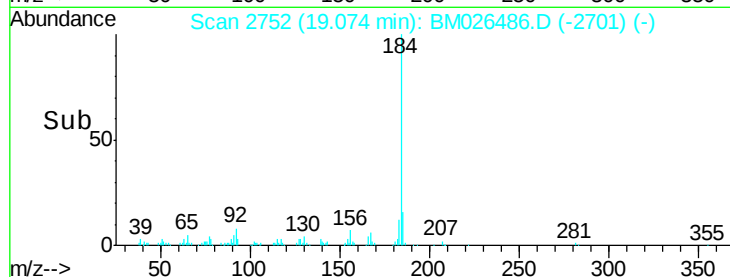
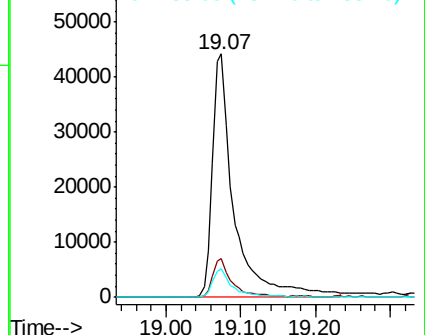
184 100

185 16.0 11.2 16.8

183 11.7 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: 7.231 ng

RT: 19.23 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

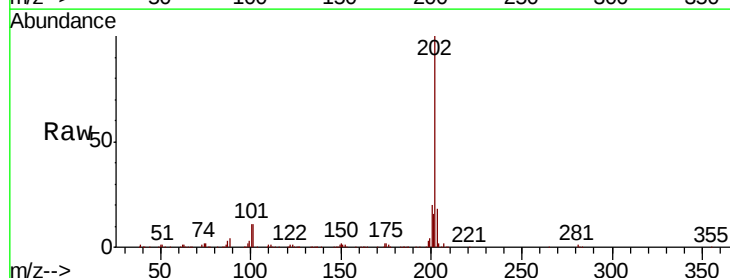
Tgt Ion:202 Resp: 305989

Ion Ratio Lower Upper

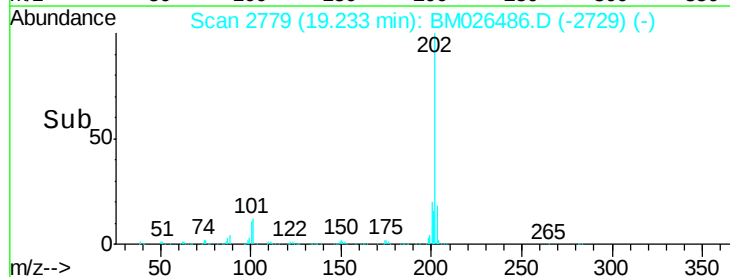
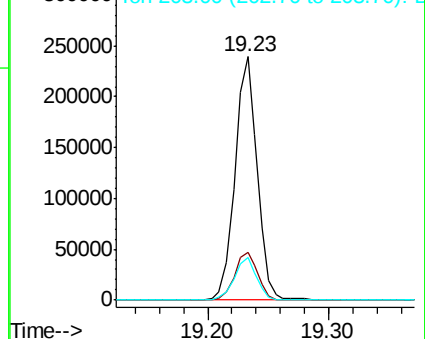
202 100

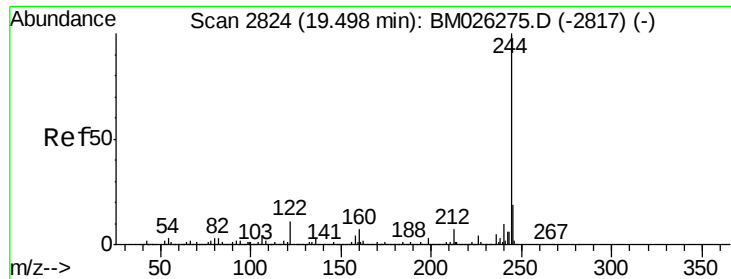
200 19.9 16.3 24.5

203 17.5 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: 113.058 ng

RT: 19.46 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

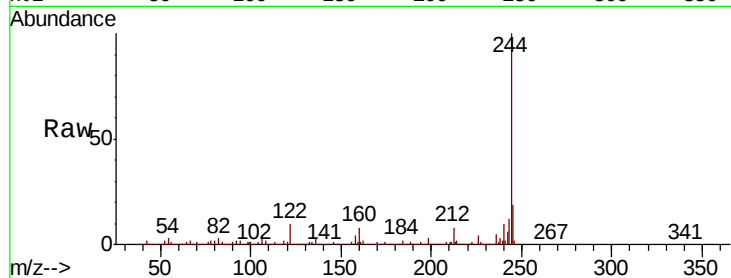
Tot Ion:244 Resp: 3729995

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

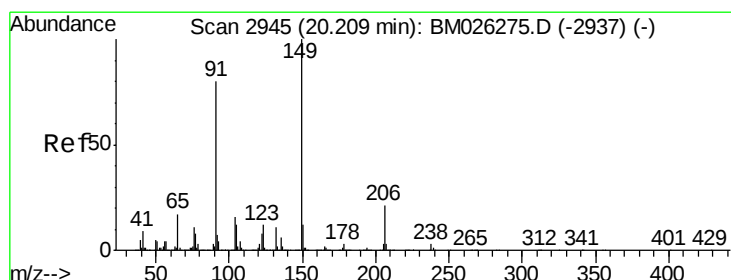
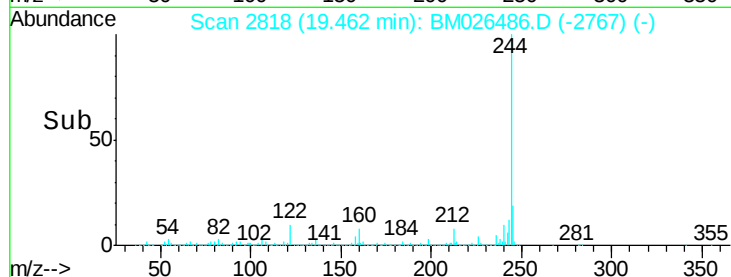
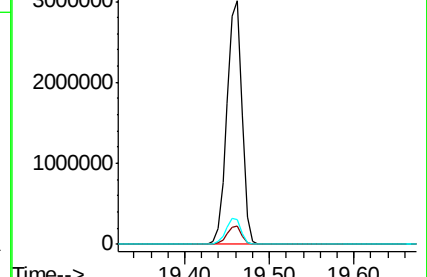
122 10.1 8.6 13.0



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: 6.721 ng

RT: 20.17 min Scan# 2938

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

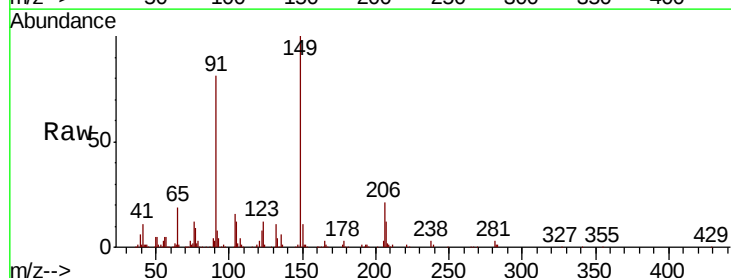
Tgt Ion:149 Resp: 115012

Ion Ratio Lower Upper

149 100

91 80.6 64.6 97.0

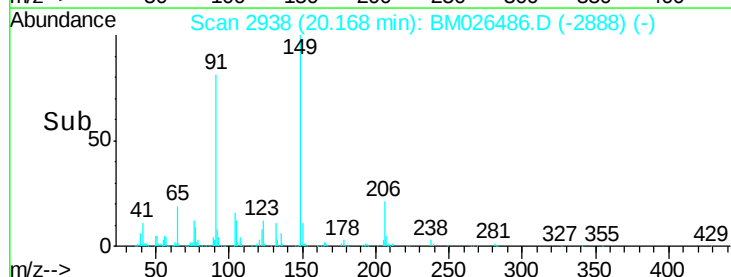
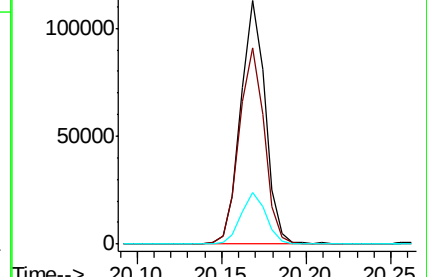
206 21.4 17.6 26.4

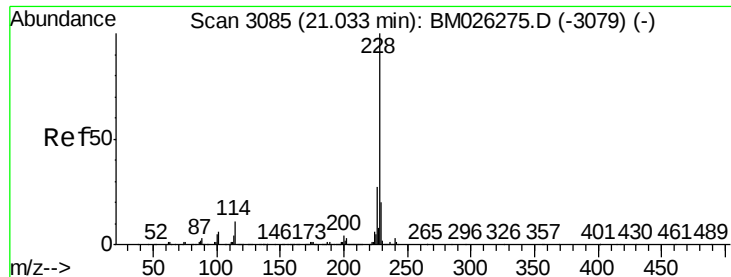


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

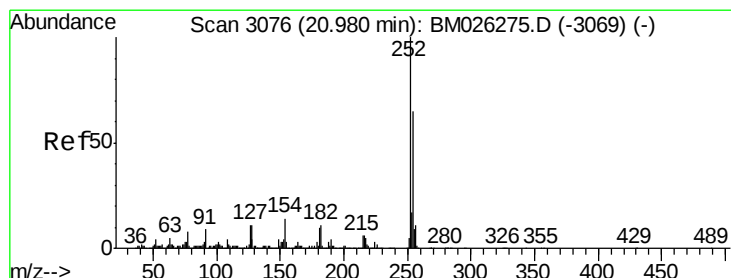
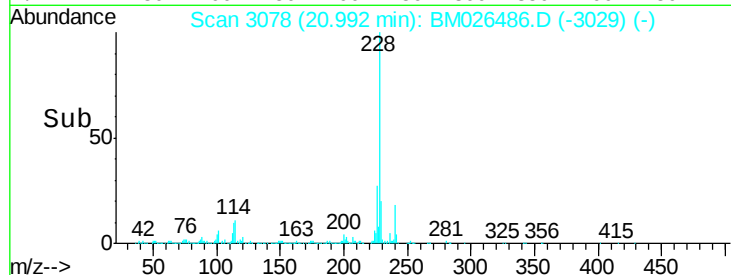
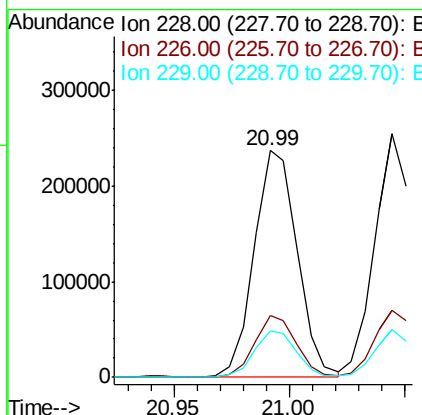
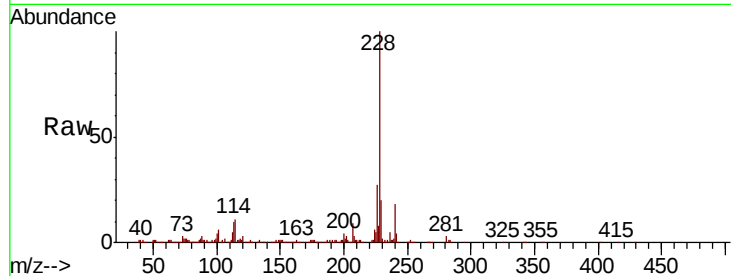




#81
Benzo(a)anthracene
Concen: 8.021 ng
RT: 20.99 min Scan# 3078
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

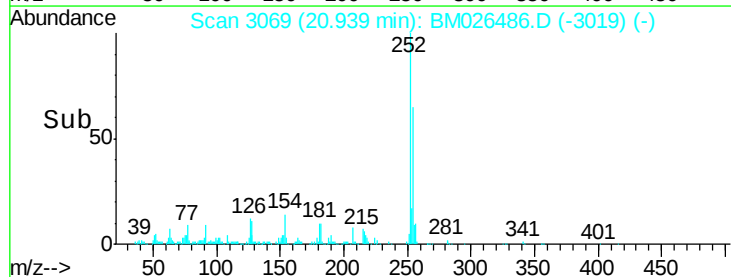
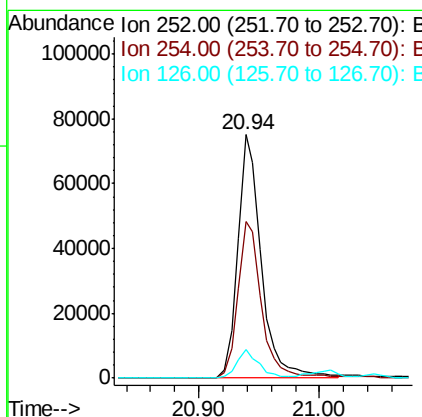
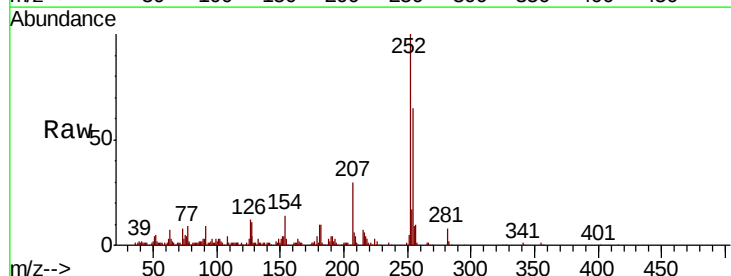
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2020

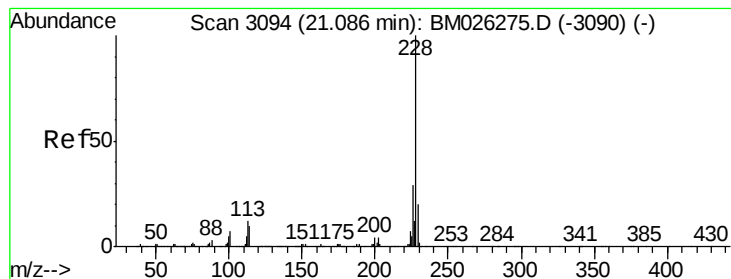
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.1	31.7
229	20.3	15.7	23.5



#82
3,3'-Dichlorobenzidine
Concen: 8.580 ng
RT: 20.94 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BM026486.D
Acq: 22 Jun 2020 12:20

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	11.5	9.2	13.8





#83

Chrysene

Concen: 8.157 ng

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

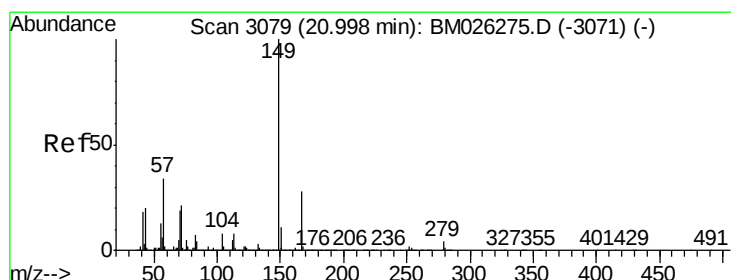
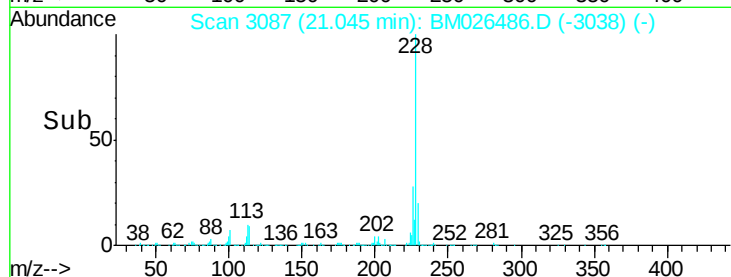
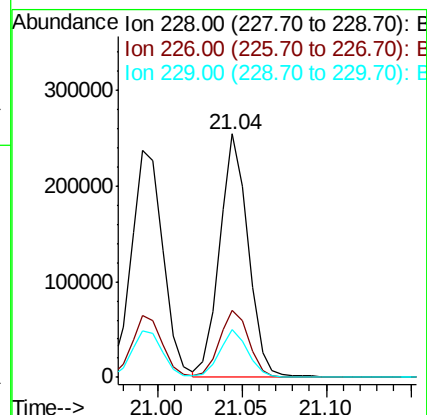
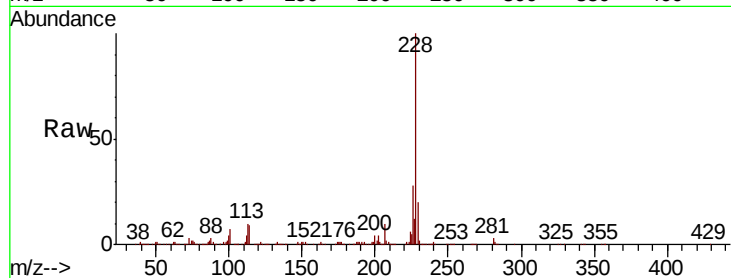
Tot Ion:228 Resp: 298834

Ion Ratio Lower Upper

228 100

226 27.7 23.8 35.6

229 19.7 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.455 ng

RT: 20.96 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

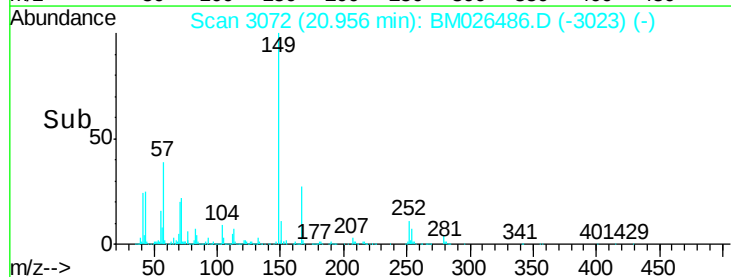
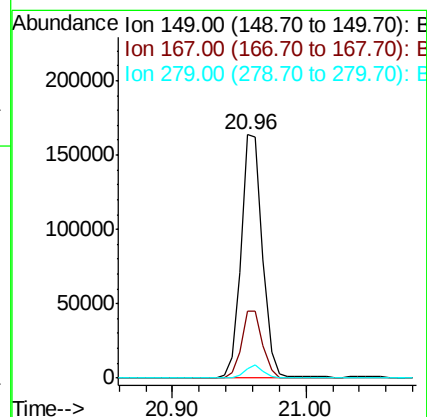
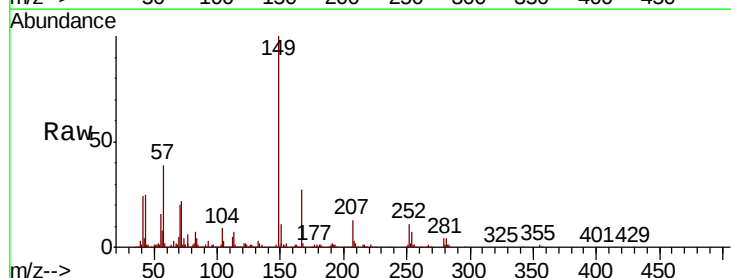
Tgt Ion:149 Resp: 181887

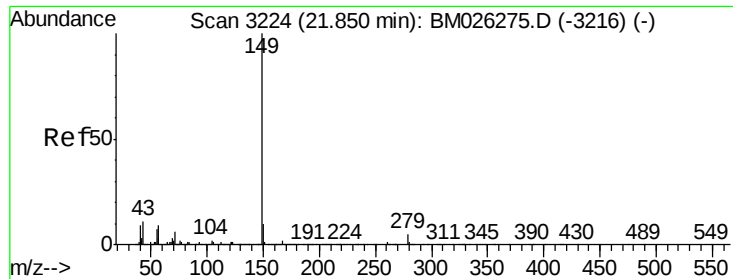
Ion Ratio Lower Upper

149 100

167 27.3 22.0 33.0

279 4.1 3.7 5.5





#85

Di-n-octyl phthalate

Concen: 7.722 ng

RT: 21.80 min Scan# 3216

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

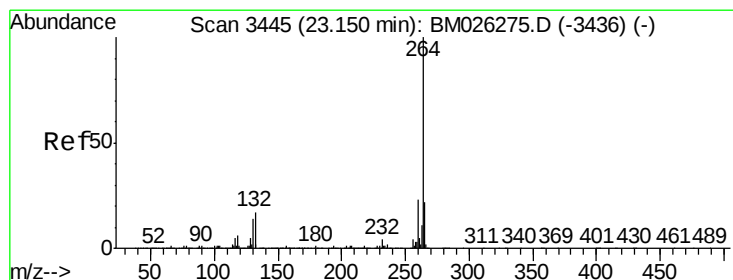
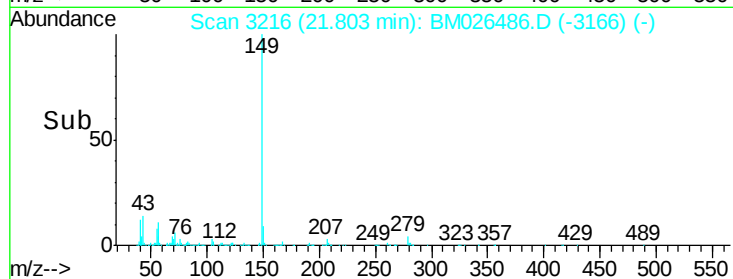
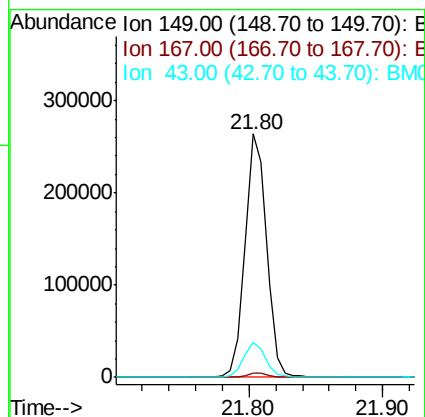
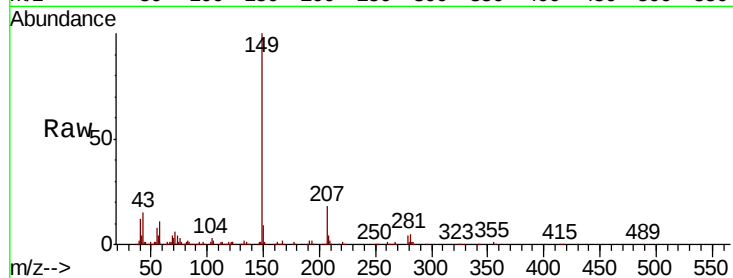
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:149	Resp:	290666
Ion Ratio	Lower	Upper
149	100	
167	1.7	1.3 1.9
43	14.8	10.3 15.5



#86

Perylene-d12

Concen: 20.000 ng

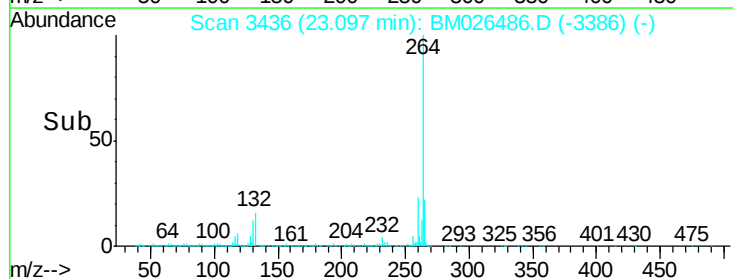
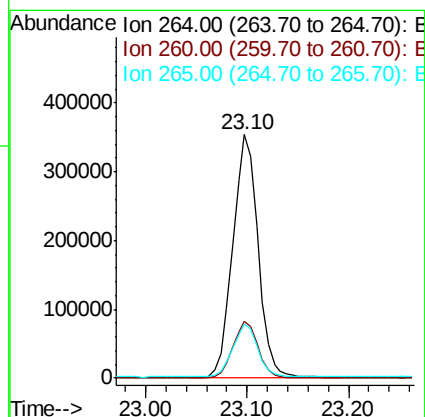
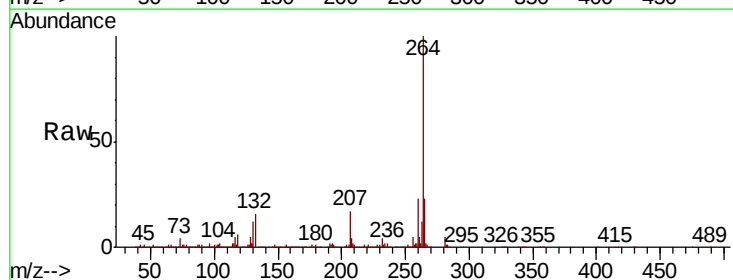
RT: 23.10 min Scan# 3436

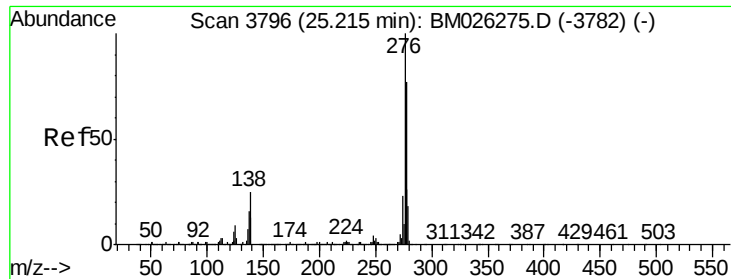
Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Tgt Ion:264	Resp:	614818
Ion Ratio	Lower	Upper
264	100	
260	23.5	18.6 28.0
265	22.5	17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.380 ng

RT: 25.13 min Scan# 3782

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

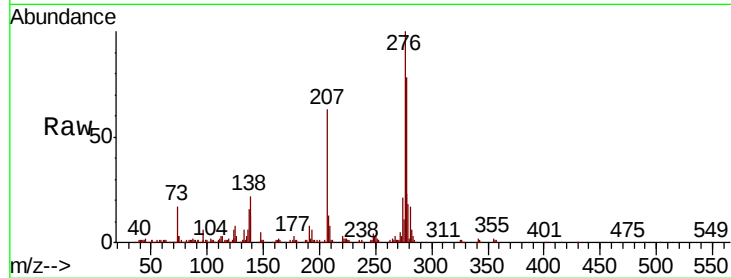
Tot Ion:276 Resp: 262470

Ion Ratio Lower Upper

276 100

138 23.2 19.0 28.6

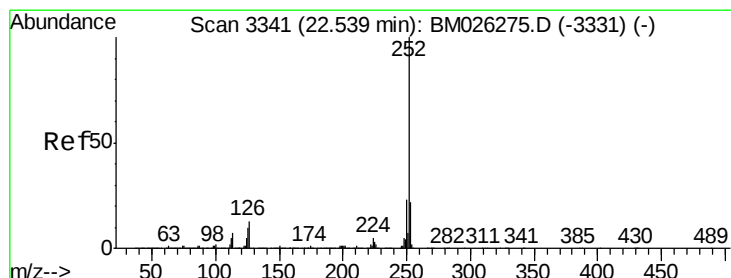
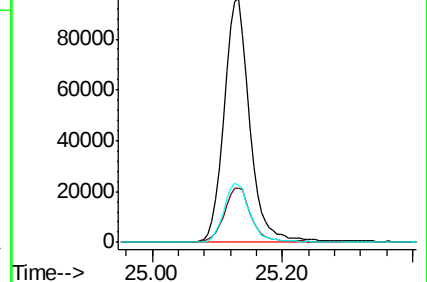
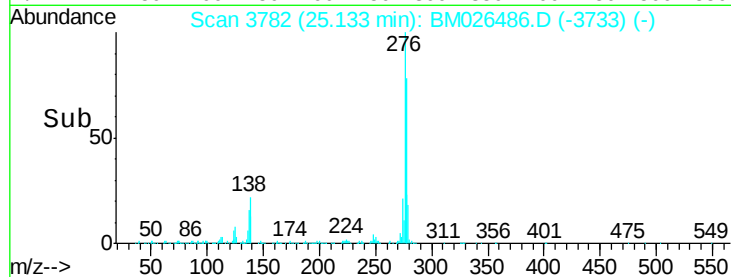
277 24.8 20.2 30.4



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



#88

Benzo(b)fluoranthene

Concen: 7.328 ng

RT: 22.49 min Scan# 3332

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

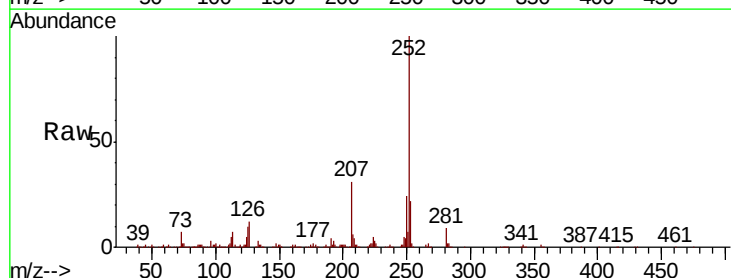
Tgt Ion:252 Resp: 271027

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

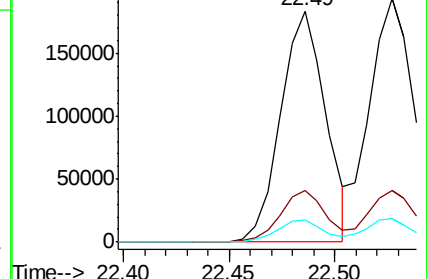
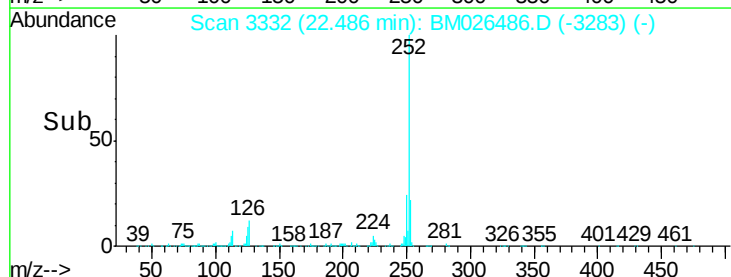
125 9.6 8.0 12.0

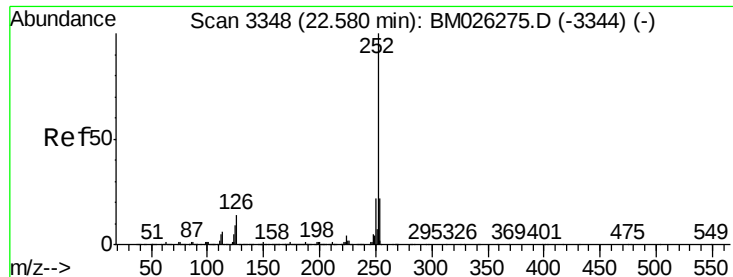


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 8.064 ng

RT: 22.53 min Scan# 3339

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

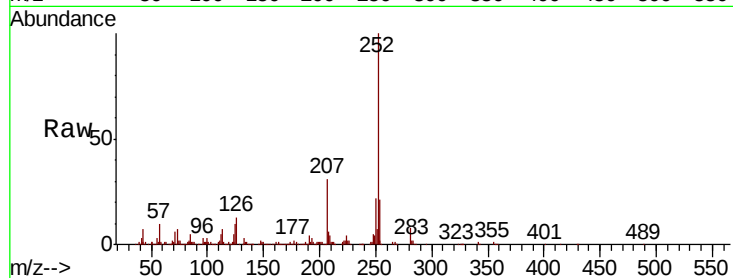
Tot Ion:252 Resp: 289762

Ion Ratio Lower Upper

252 100

253 21.3 17.2 25.8

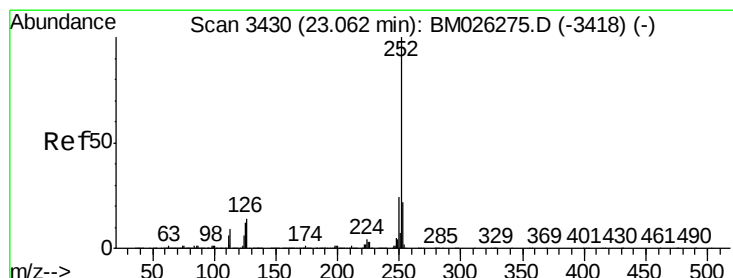
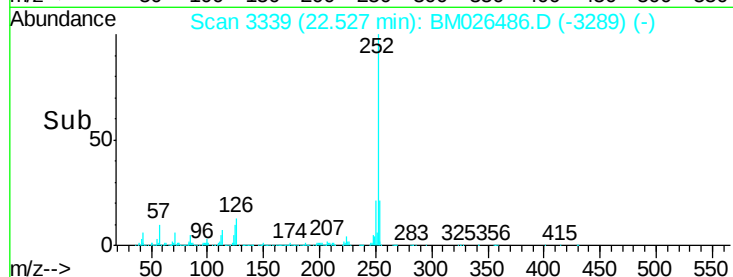
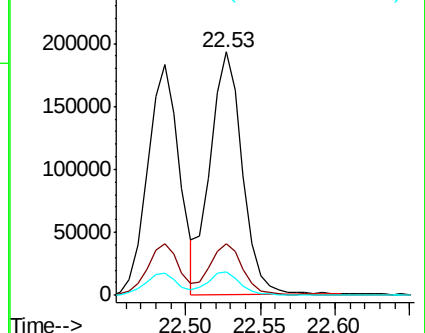
125 9.8 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.267 ng

RT: 23.01 min Scan# 3421

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

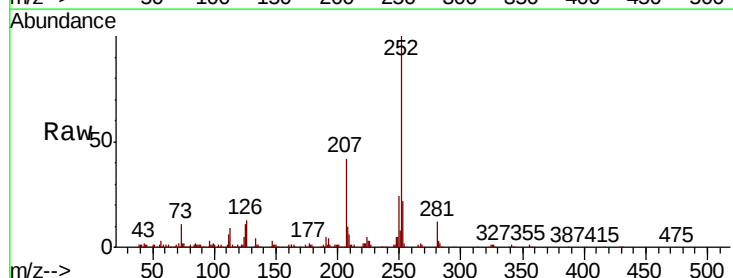
Tgt Ion:252 Resp: 238709

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

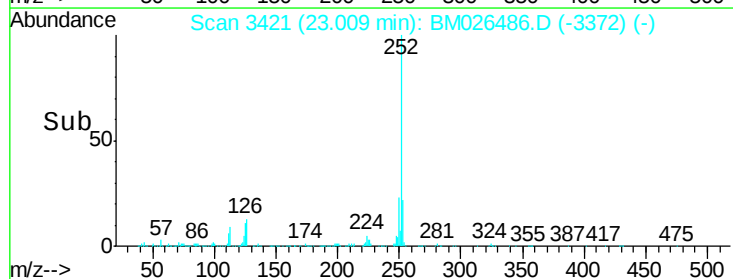
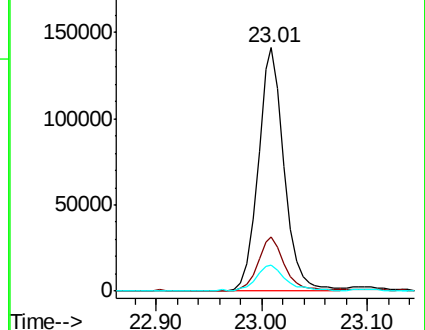
125 10.8 8.6 12.8

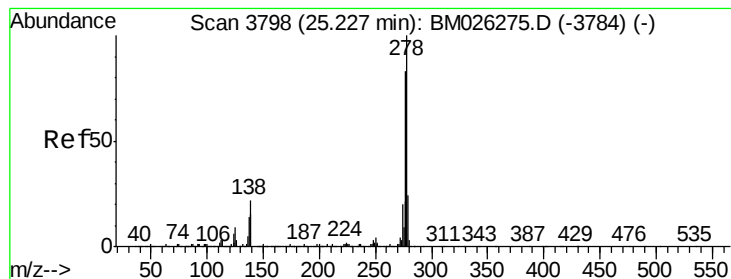


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 7.466 ng

RT: 25.14 min Scan# 3783

Delta R.T. -0.02 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT1-2020

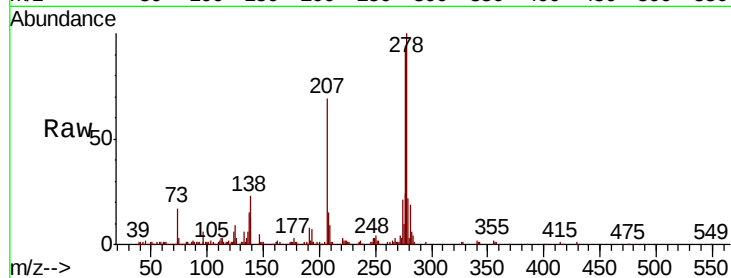
Tot Ion:278 Resp: 221668

Ion Ratio Lower Upper

278 100

139 13.0 12.3 18.5

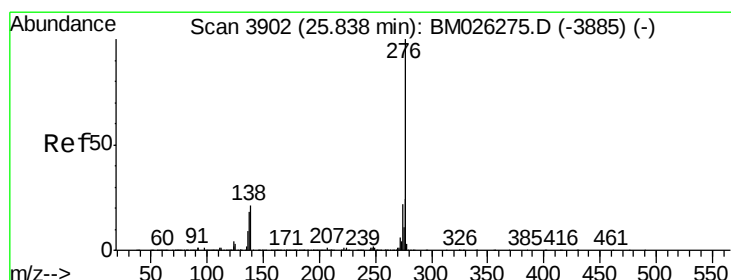
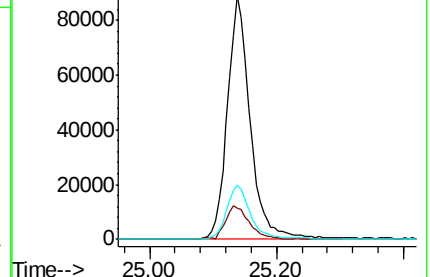
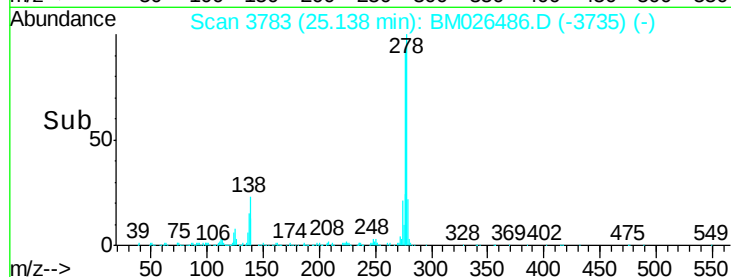
279 22.4 18.9 28.3



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: 7.556 ng

RT: 25.74 min Scan# 3886

Delta R.T. -0.01 min

Lab File: BM026486.D

Acq: 22 Jun 2020 12:20

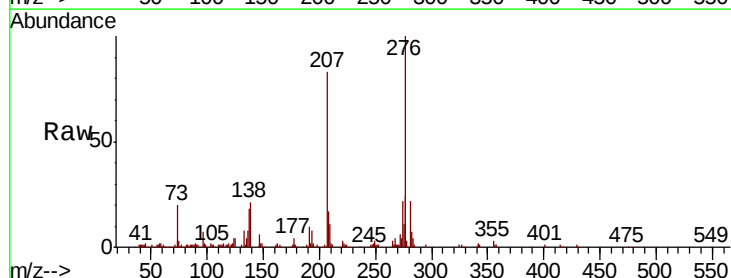
Tgt Ion:276 Resp: 213490

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 21.3 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

