

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062220\
 Data File : BM026489.D
 Acq On : 22 Jun 2020 14:18
 Operator : JU/CG
 Sample : L2182-03
 Misc : MDL-MDL-S-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Quant Time: Jun 22 14:52:48 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	99097	20.00	ng	0.00
21) Naphthalene-d8	10.14	136	419820	20.00	ng	0.00
39) Acenaphthene-d10	14.04	164	288661	20.00	ng	0.00
64) Phenanthrene-d10	16.80	188	653124	20.00	ng	0.00
76) Chrysene-d12	21.01	240	691589	20.00	ng	0.00
86) Perylene-d12	23.10	264	693250	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	894107	159.52	ng	0.00
7) Phenol-d6	6.59	99	1329262	163.78	ng	0.00
23) Nitrobenzene-d5	8.53	82	1001897	117.18	ng	0.00
42) 2,4,6-Tribromophenol	15.55	330	686525	196.34	ng	0.00
45) 2-Fluorobiphenyl	12.65	172	2170209	114.12	ng	0.00
79) Terphenyl-d14	19.46	244	4000026	112.27	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.00	88	19315	7.643	ng	92
3) Pyridine	3.40	79	46218	6.227	ng	# 94
4) n-Nitrosodimethylamine	3.32	42	29257	7.961	ng	86
6) Aniline	6.73	93	78471	7.371	ng	96
8) 2-Chlorophenol	6.96	128	47203	7.301	ng	94
9) Benzaldehyde	6.55	77	53276	10.294	ng	93
10) Phenol	6.62	94	62729	7.257	ng	86
11) bis(2-Chloroethyl)ether	6.83	93	51059	7.334	ng	95
12) 1,3-Dichlorobenzene	7.27	146	52136	7.284	ng	97
13) 1,4-Dichlorobenzene	7.42	146	52530	7.205	ng	98
14) 1,2-Dichlorobenzene	7.73	146	52414	7.360	ng	99
15) Benzyl Alcohol	7.64	79	46364	6.727	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.93	45	99674	7.666	ng	97
17) 2-Methylphenol	7.85	107	40905	6.475	ng	93
18) Hexachloroethane	8.44	117	20002	7.244	ng	94
19) n-Nitroso-di-n-propylamine	8.19	70	48774	7.712	ng	93
20) 3+4-Methylphenols	8.17	107	54165	6.291	ng	95
22) Acetophenone	8.20	105	85568	7.927	ng	# 91
24) Nitrobenzene	8.57	77	71918	8.035	ng	97
25) Isophorone	9.10	82	123602	7.695	ng	100
26) 2-Nitrophenol	9.28	139	23660	6.679	ng	# 79
27) 2,4-Dimethylphenol	9.36	122	34263	6.127	ng	87
28) bis(2-Chloroethoxy)methane	9.59	93	71010	7.792	ng	99
29) 2,4-Dichlorophenol	9.82	162	42820	6.979	ng	98
30) 1,2,4-Trichlorobenzene	10.01	180	52460	7.797	ng	96
31) Naphthalene	10.19	128	162454	7.679	ng	99
32) Benzoic acid	9.46	122	7324	1.763	ng	94
33) 4-Chloroaniline	10.32	127	63348	6.865	ng	96
34) Hexachlorobutadiene	10.49	225	32530	7.659	ng	98
35) Caprolactam	11.10	113	15991	7.418	ng	92
36) 4-Chloro-3-methylphenol	11.46	107	55823	7.467	ng	94
37) 2-Methylnaphthalene	11.82	142	120680	8.005	ng	99
38) 1-Methylnaphthalene	12.04	142	114896	8.045	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.20	216	65945	8.025	ng	99

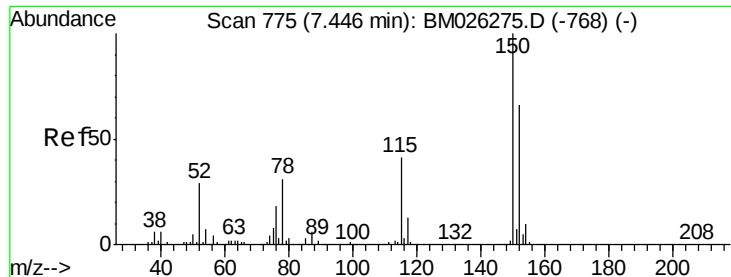
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062220\
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 Acq On : 22 Jun 2020 14:18
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 19 10:20:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.18	237	35048	7.238	ng	99
43) 2,4,6-Trichlorophenol	12.46	196	37387	6.722	ng	100
44) 2,4,5-Trichlorophenol	12.53	196	39951	6.188	ng	96
46) 1,1'-Biphenyl	12.86	154	165458	8.176	ng	98
47) 2-Chloronaphthalene	12.90	162	120566	7.335	ng	98
48) 2-Nitroaniline	13.12	65	42408	6.510	ng	95
49) Acenaphthylene	13.76	152	195471	7.435	ng	99
50) Dimethylphthalate	13.52	163	161561	7.652	ng	100
51) 2,6-Dinitrotoluene	13.63	165	34100	7.360	ng	99
52) Acenaphthene	14.10	154	119626	7.579	ng	98
53) 3-Nitroaniline	13.96	138	29659	5.749	ng	96
54) 2,4-Dinitrophenol	14.19	184	38195	13.565	ng	91
55) Dibenzofuran	14.44	168	197802	7.778	ng	99
56) 4-Nitrophenol	14.30	139	50865	12.433	ng	91
57) 2,4-Dinitrotoluene	14.43	165	46175	7.168	ng	# 86
58) Fluorene	15.10	166	155444	7.525	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.69	232	41131	7.449	ng	98
60) Diethylphthalate	14.90	149	166171	7.727	ng	99
61) 4-Chlorophenyl-phenylether	15.10	204	81597	7.447	ng	98
62) 4-Nitroaniline	15.14	138	26403	4.799	ng	95
63) Azobenzene	15.40	77	183057	7.780	ng	97
65) 4,6-Dinitro-2-methylphenol	15.21	198	23220	5.846	ng	98
66) n-Nitrosodiphenylamine	15.32	169	138001	7.294	ng	100
67) 4-Bromophenyl-phenylether	16.00	248	49166	6.838	ng	92
68) Hexachlorobenzene	16.11	284	57904	7.718	ng	99
69) Atrazine	16.29	200	55008	9.732	ng	98
70) Pentachlorophenol	16.47	266	25043	5.543	ng	98
71) Phenanthrene	16.84	178	265313	7.801	ng	98
72) Anthracene	16.93	178	250619	7.383	ng	99
73) Carbazole	17.21	167	226909	7.049	ng	99
74) Di-n-butylphthalate	17.79	149	277176	7.301	ng	99
75) Fluoranthene	18.87	202	312865	8.023	ng	99
77) Benzidine	19.07	184	96128	6.692	ng	99
78) Pyrene	19.23	202	326046	7.135	ng	99
80) Butylbenzylphthalate	20.17	149	125397	6.786	ng	100
81) Benzo(a)anthracene	21.00	228	334569	8.060	ng	100
82) 3,3'-Dichlorobenzidine	20.94	252	115365	8.982	ng	99
83) Chrysene	21.04	228	323058	8.166	ng	99
84) Bis(2-ethylhexyl)phthalate	20.96	149	197729	7.504	ng	100
85) Di-n-octyl phthalate	21.81	149	323114	7.949	ng	96
87) Indeno(1,2,3-cd)pyrene	25.13	276	295868	7.378	ng	99
88) Benzo(b)fluoranthene	22.49	252	317400	7.611	ng	100
89) Benzo(k)fluoranthene	22.53	252	313229	7.731	ng	99
90) Benzo(a)pyrene	23.01	252	271525	7.331	ng	98
91) Dibenzo(a,h)anthracene	25.14	278	250094	7.470	ng	98
92) Benzo(g,h,i)perylene	25.74	276	239799	7.527	ng	99

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

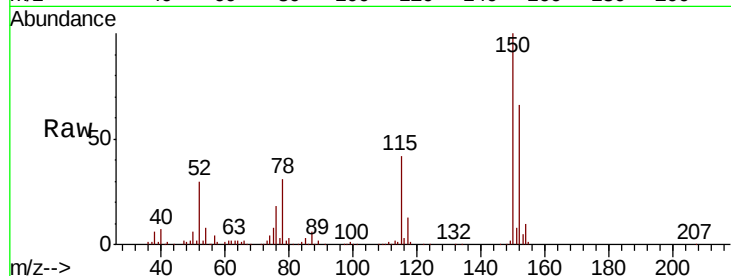


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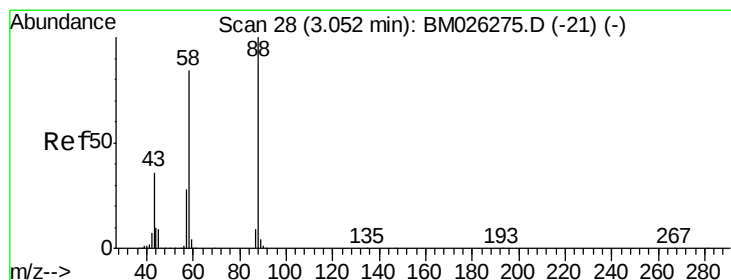
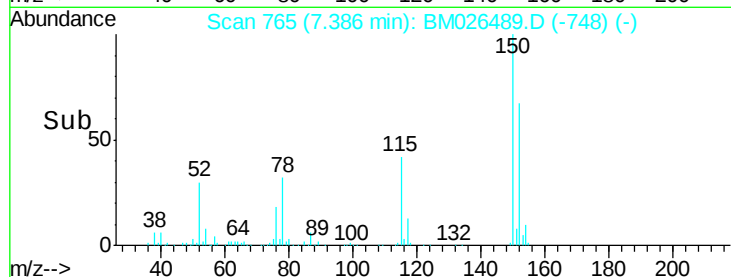
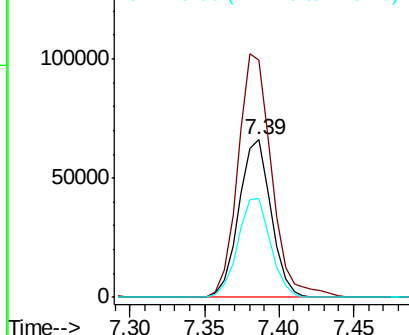
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.39 min Scan# 765
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	127.8	191.6
115	62.9	51.5	77.3



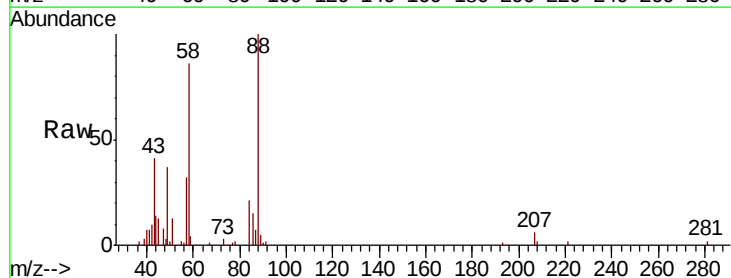
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



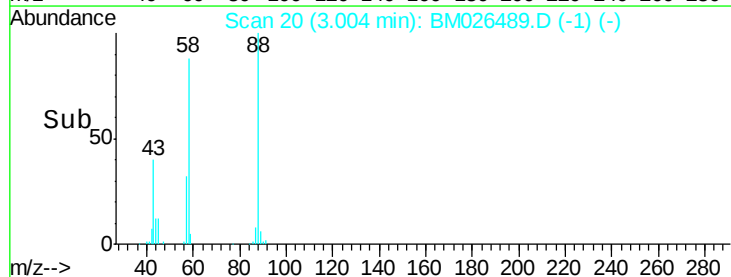
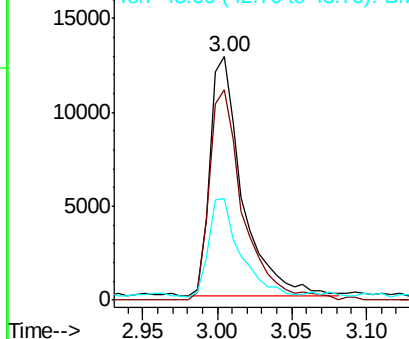
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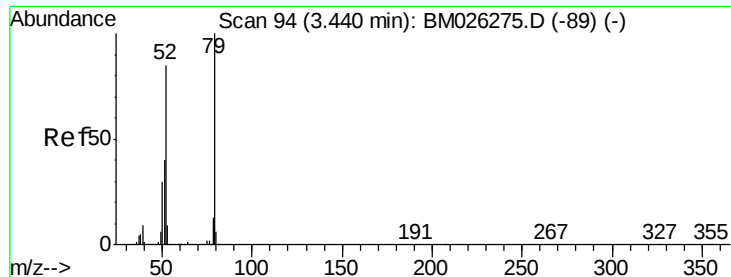
1,4-Dioxane
Concen: 7.643 ng
RT: 3.00 min Scan# 20
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.1	67.7	101.5
43	40.3	28.0	42.0



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

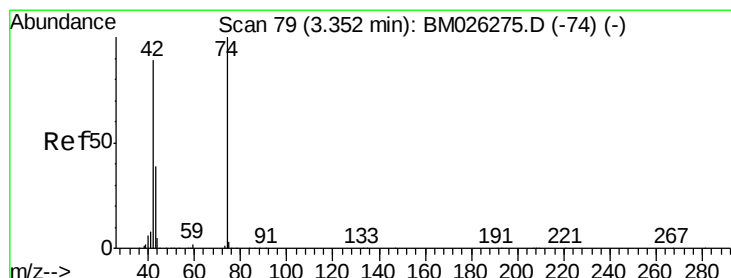
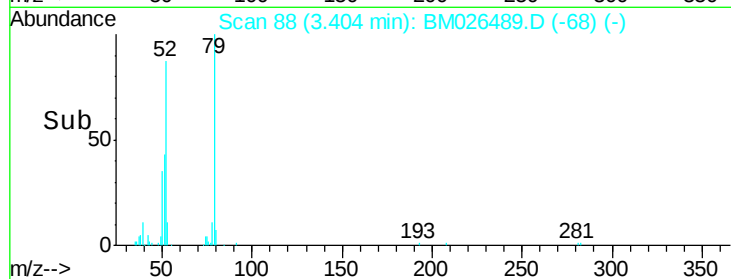
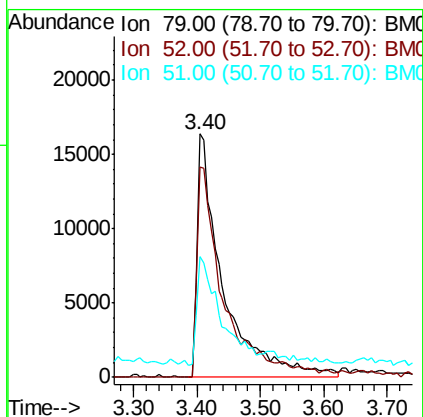
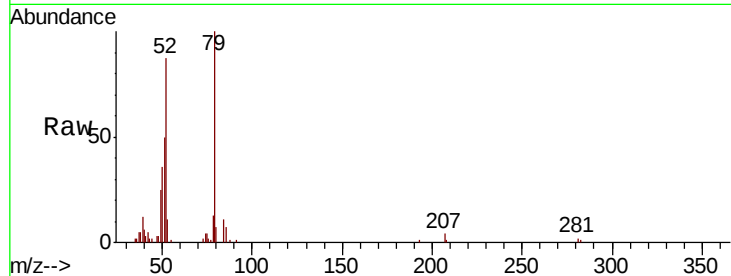




#3
 Pvridine
 Concen: 6.227 ng
 RT: 3.40 min Scan# 88
 Delta R.T. 0.02 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

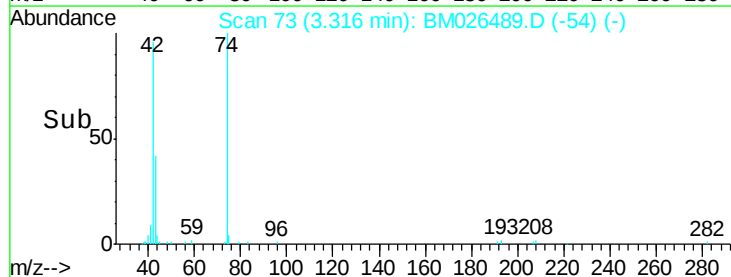
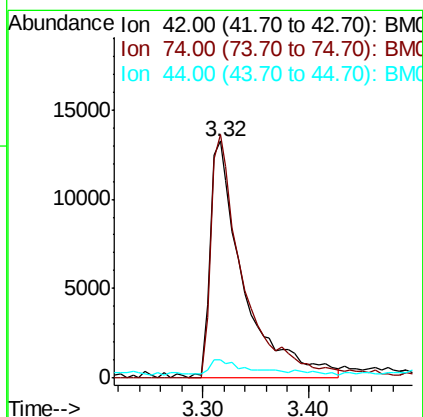
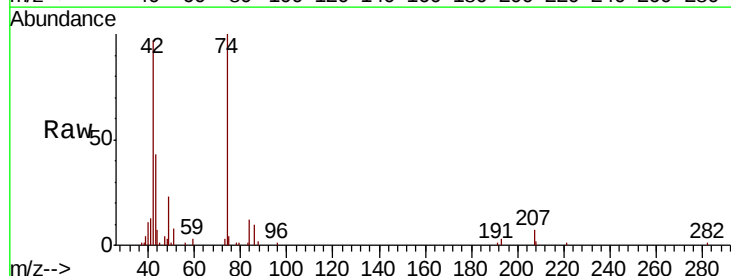
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

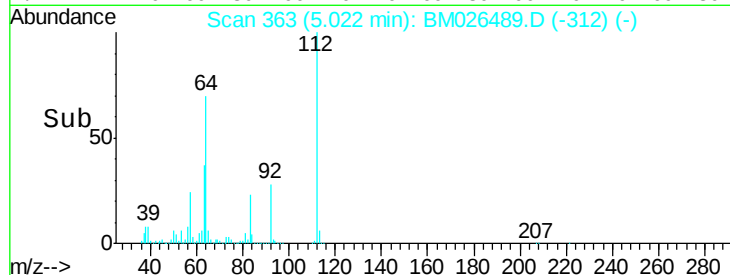
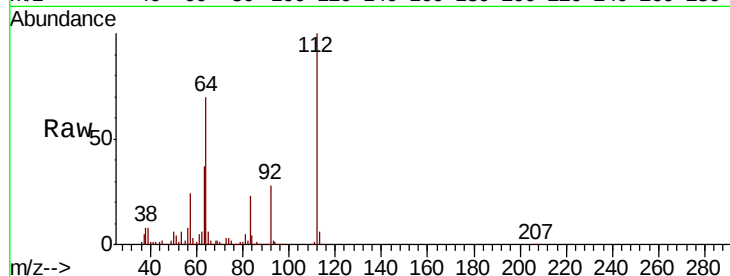
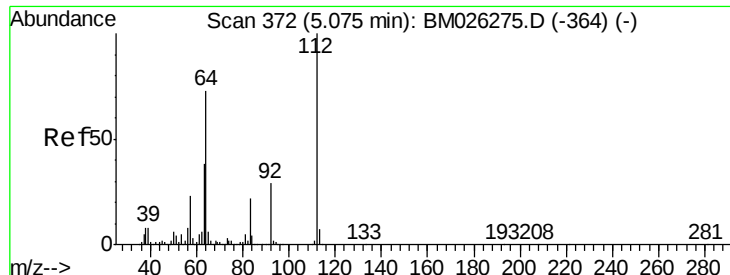
Tot Ion: 79 Resp: 46218
 Ion Ratio Lower Upper
 79 100
 52 86.5 67.4 101.2
 51 49.9 33.0 49.6#



#4
 n-Nitrosodimethylamine
 Concen: 7.961 ng
 RT: 3.32 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Tgt Ion: 42 Resp: 29257
 Ion Ratio Lower Upper
 42 100
 74 102.8 95.4 143.2
 44 7.5 5.9 8.9

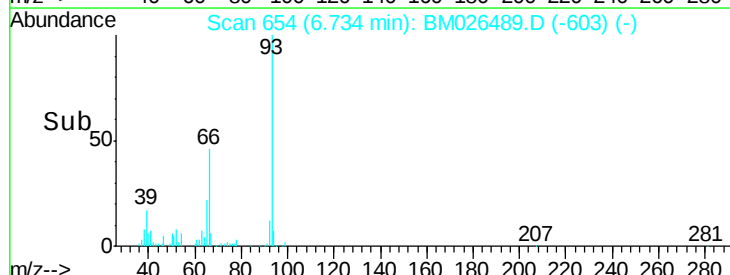
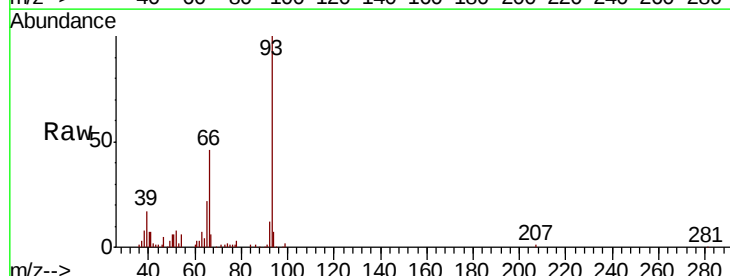
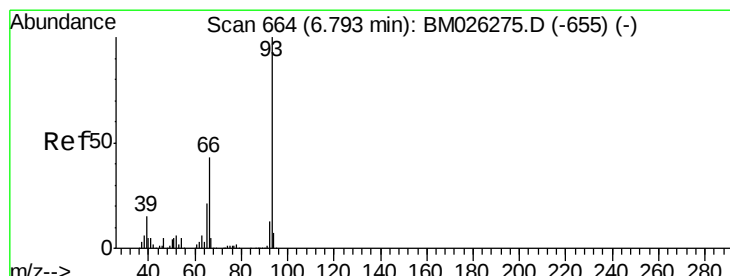
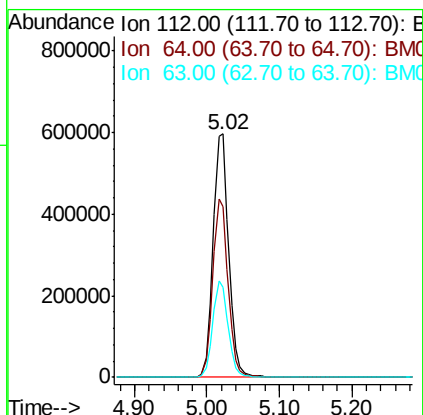




#5
2-Fluorophenol
Concen: 159.522 ng
RT: 5.02 min Scan# 363
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

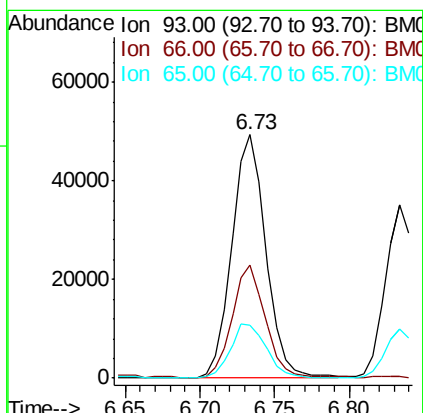
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
112	100		
64	70.4	56.0	84.0
63	37.2	29.0	43.6



#6
Aniline
Concen: 7.371 ng
RT: 6.73 min Scan# 654
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
93	100		
66	46.5	34.1	51.1
65	21.8	17.5	26.3





#7

Phenol-d6

Concen: 163.778 ng

RT: 6.59 min Scan# 630

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

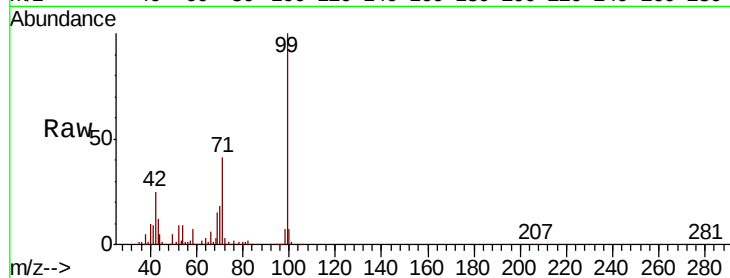
Tot Ion: 99 Resp: 1329262

Ion Ratio Lower Upper

99 100

42 24.7 17.8 26.6

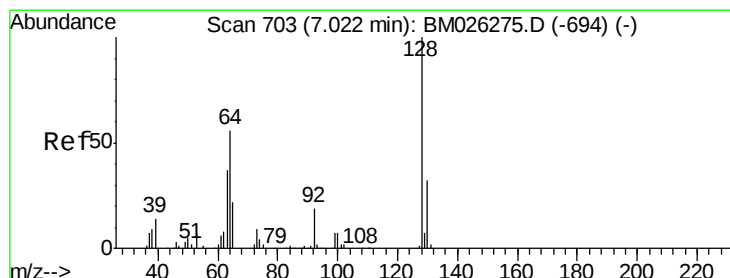
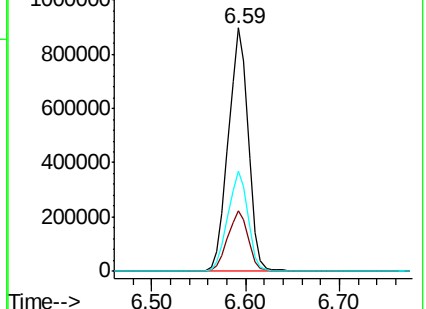
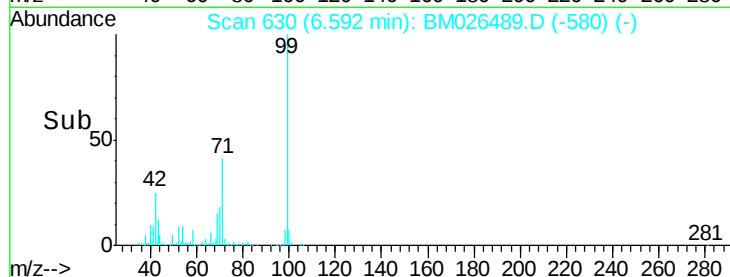
71 41.2 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BM026275.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026275.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026275.D (-631) (-)



#8

2-Chlorophenol

Concen: 7.301 ng

RT: 6.96 min Scan# 692

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

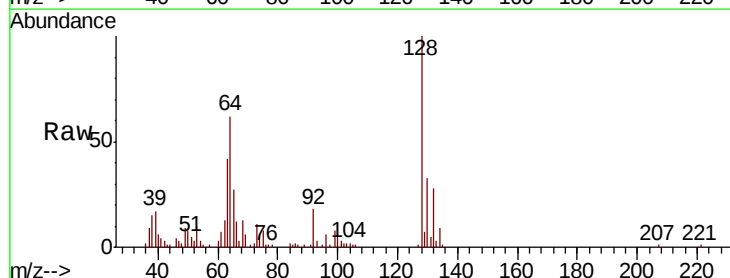
Tgt Ion:128 Resp: 47203

Ion Ratio Lower Upper

128 100

130 33.4 12.3 52.3

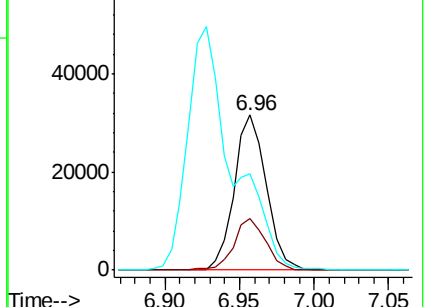
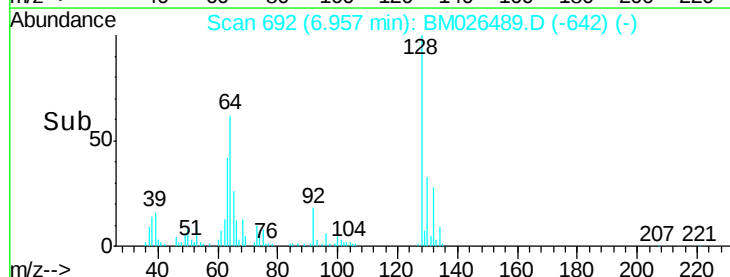
64 62.5 36.4 76.4

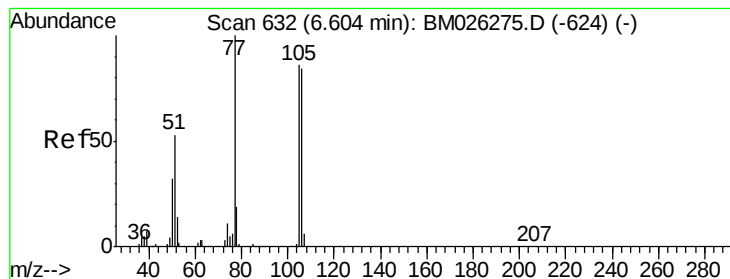


Abundance Ion 128.00 (127.70 to 128.70): BM026275.D (-694) (-)

Ion 130.00 (129.70 to 130.70): BM026275.D (-694) (-)

Ion 64.00 (63.70 to 64.70): BM026275.D (-694) (-)





#9

Benzaldehyde

Concen: 10.294 ng

RT: 6.55 min Scan# 622

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

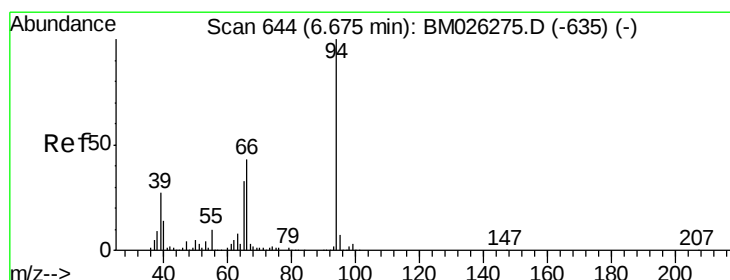
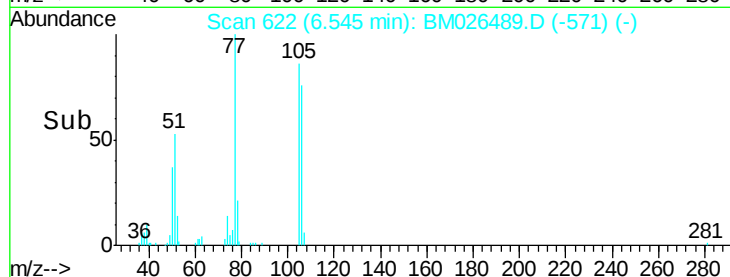
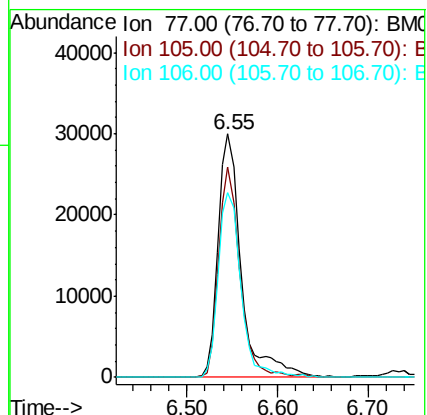
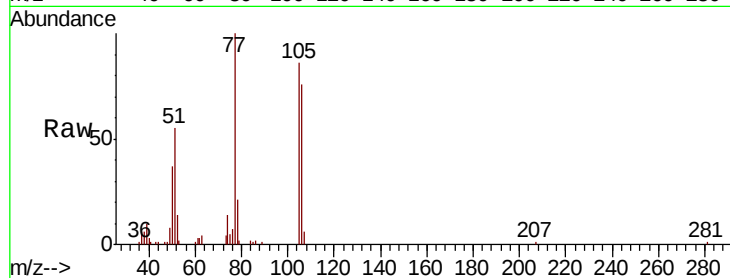
Tot Ion: 77 Resp: 53276

Ion Ratio Lower Upper

77 100

105 86.3 71.5 111.5

106 76.1 64.7 104.7



#10

Phenol

Concen: 7.257 ng

RT: 6.62 min Scan# 634

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

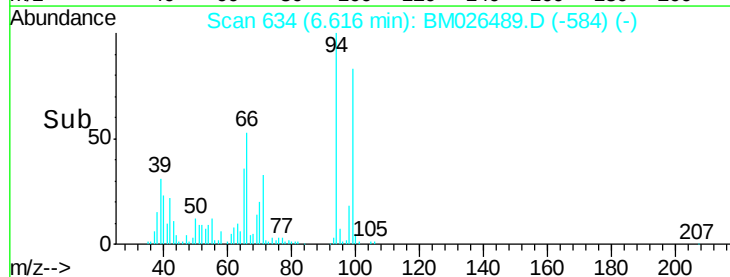
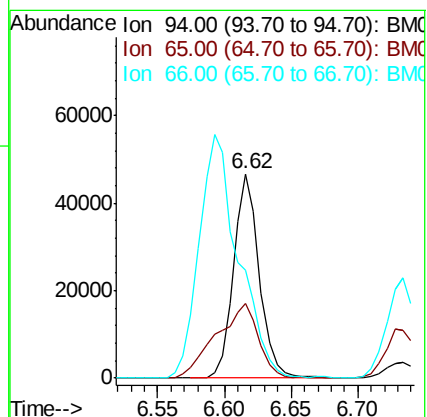
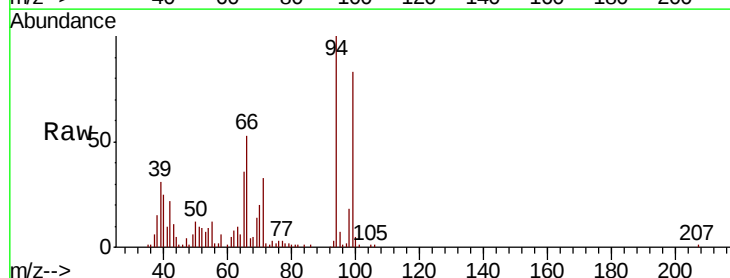
Tgt Ion: 94 Resp: 62729

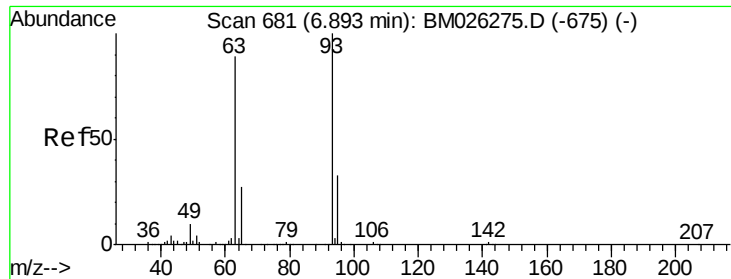
Ion Ratio Lower Upper

94 100

65 36.3 11.4 51.4

66 52.9 21.7 61.7

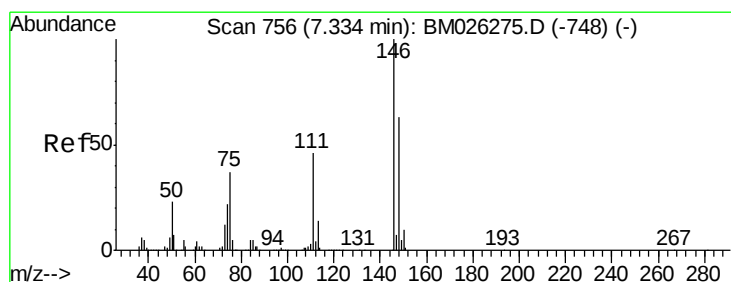
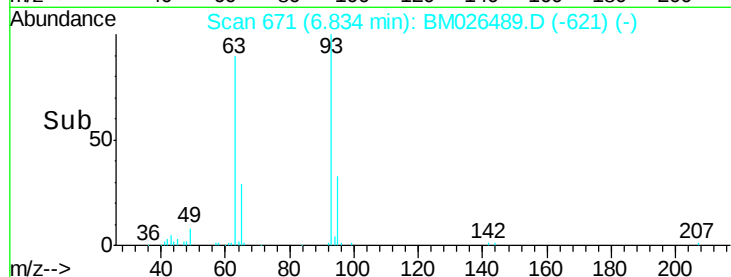
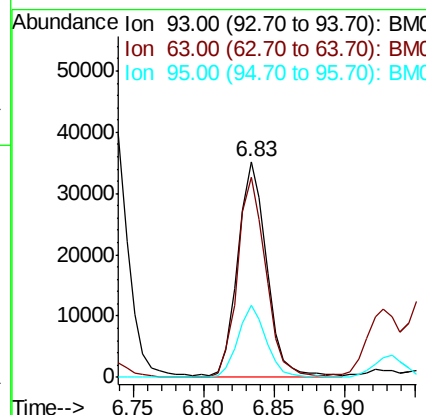
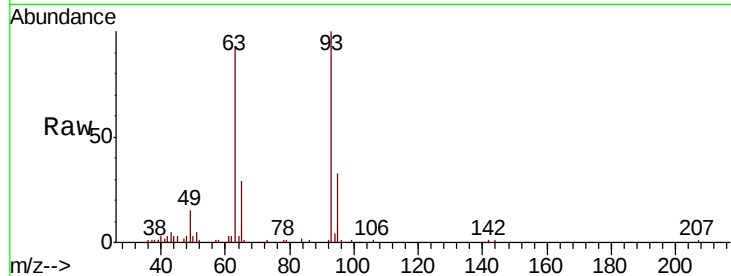




#11
bis(2-Chloroethyl)ether
Concen: 7.334 ng
RT: 6.83 min Scan# 671
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

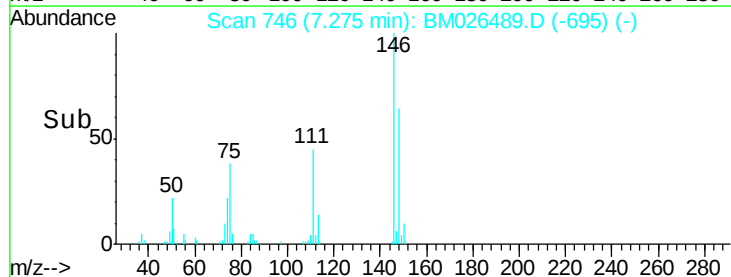
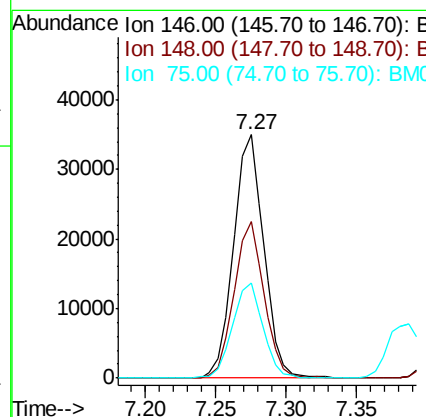
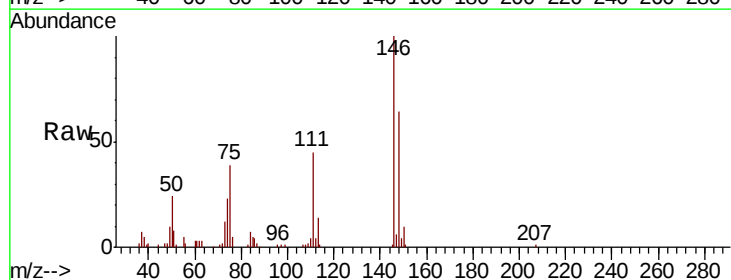
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

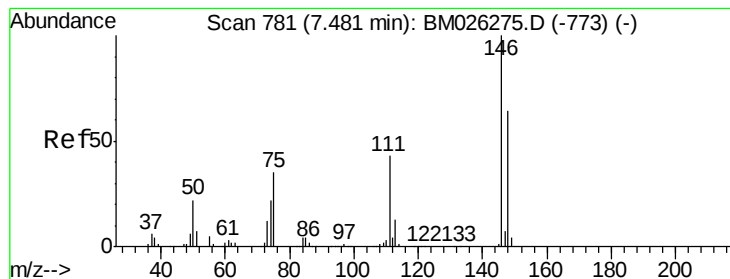
Tot Ion: 93 Resp: 51059
Ion Ratio Lower Upper
93 100
63 92.8 66.7 106.7
95 33.3 14.5 54.5



#12
1,3-Dichlorobenzene
Concen: 7.284 ng
RT: 7.27 min Scan# 746
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion: 146 Resp: 52136
Ion Ratio Lower Upper
146 100
148 64.1 50.3 75.5
75 39.1 29.0 43.6





#13

1,4-Dichlorobenzene

Concen: 7.205 ng

RT: 7.42 min Scan# 770

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

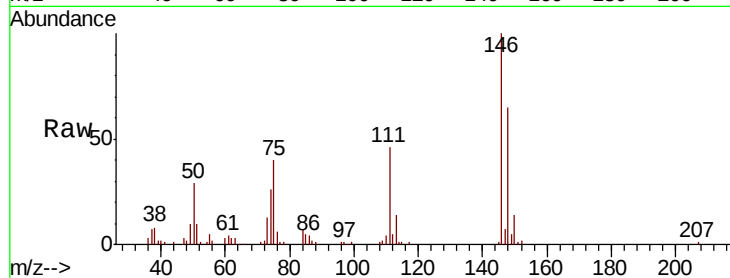
Tot Ion:146 Resp: 52530

Ion Ratio Lower Upper

146 100

148 65.4 52.2 78.2

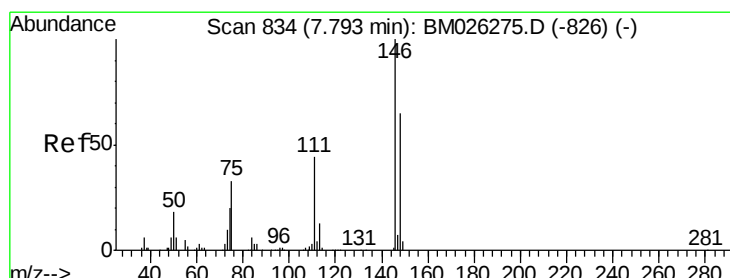
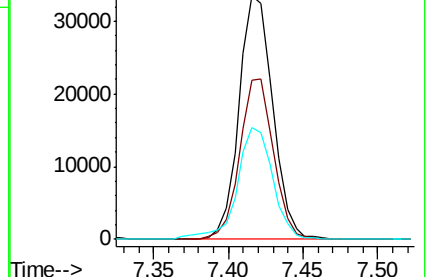
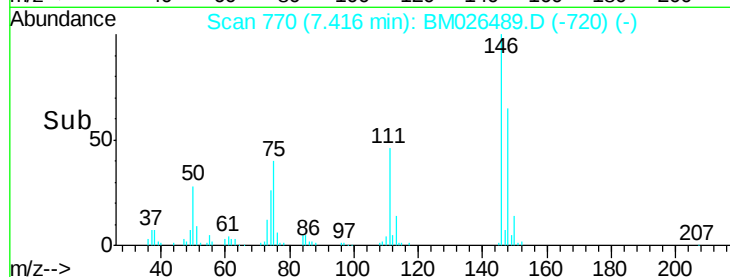
111 46.0 34.9 52.3



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: 7.360 ng

RT: 7.73 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

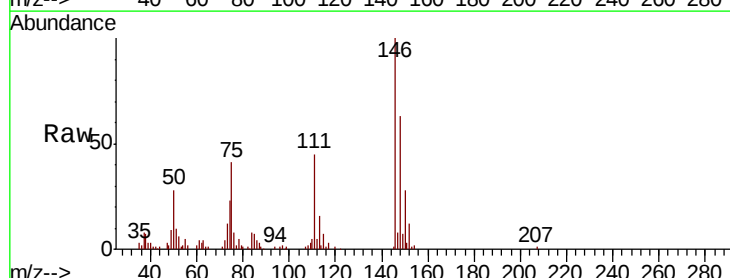
Tgt Ion:146 Resp: 52414

Ion Ratio Lower Upper

146 100

148 62.7 50.8 76.2

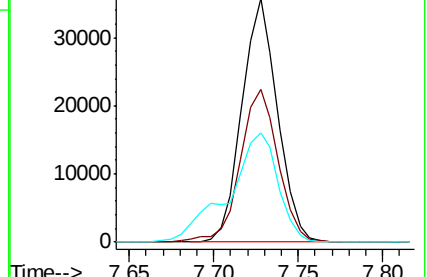
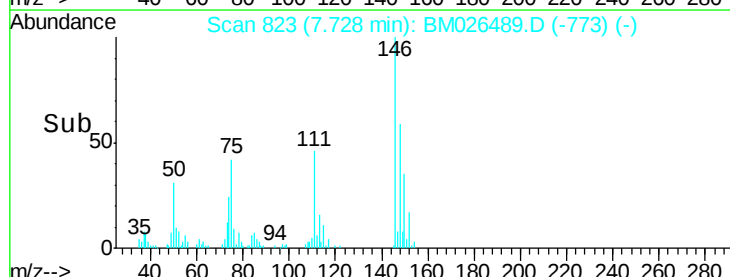
111 44.7 35.4 53.0

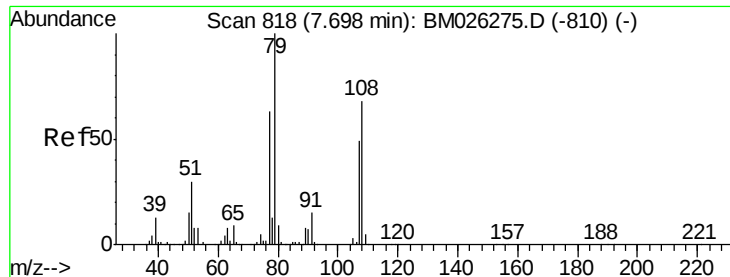


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 6.727 ng

RT: 7.64 min Scan# 808

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

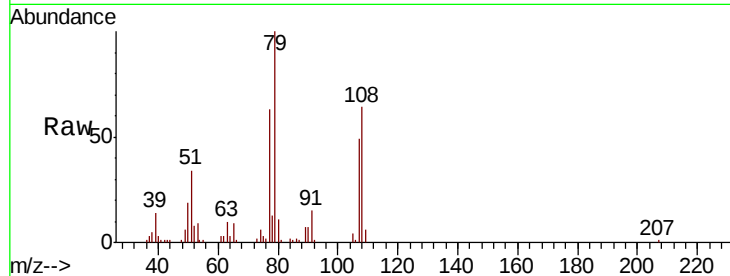
Tot Ion: 79 Resp: 46364

Ion Ratio Lower Upper

79 100

108 64.2 54.6 82.0

77 62.7 51.0 76.4

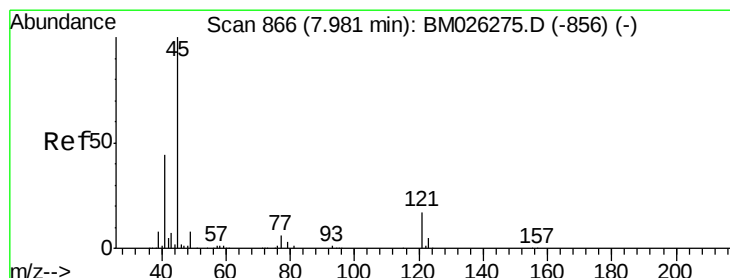
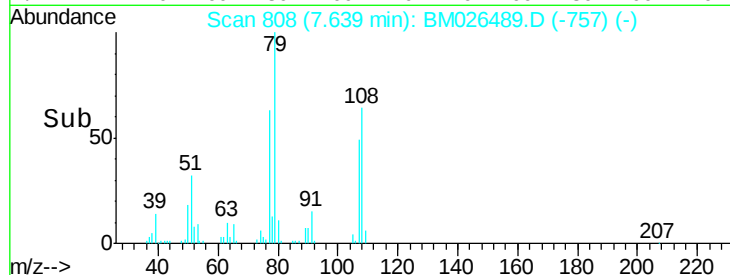
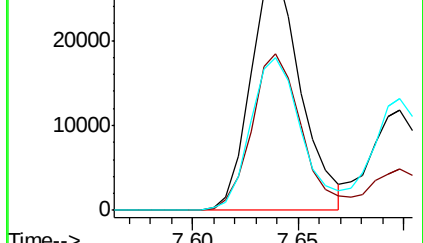


Abundance Ion 79.00 (78.70 to 79.70): BM026489.D (-757) (-)

Ion 108.00 (107.70 to 108.70): BM026489.D (-757) (-)

Ion 77.00 (76.70 to 77.70): BM026489.D (-757) (-)

Time-->



#16

2,2'-oxybis(1-chloropropane)

Concen: 7.666 ng

RT: 7.93 min Scan# 857

Delta R.T. 0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

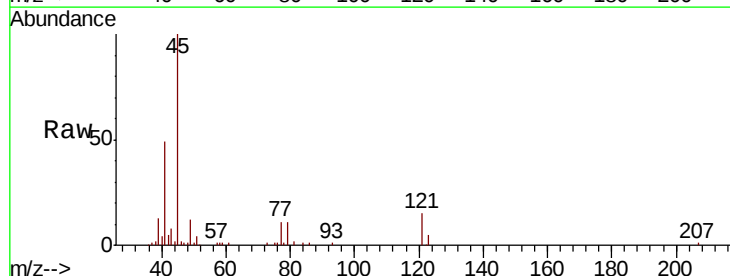
Tgt Ion: 45 Resp: 99674

Ion Ratio Lower Upper

45 100

77 11.0 0.0 31.8

79 10.6 0.0 28.9

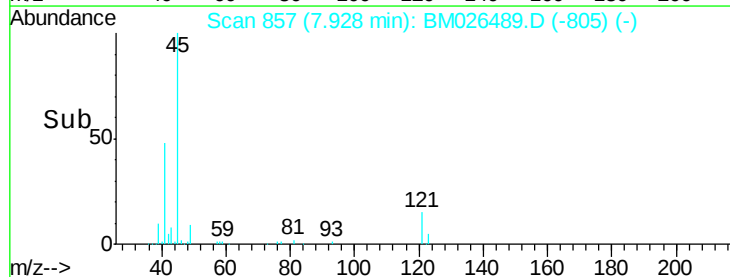
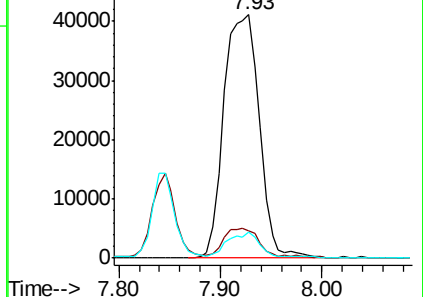


Abundance Ion 45.00 (44.70 to 45.70): BM026489.D (-805) (-)

Ion 77.00 (76.70 to 77.70): BM026489.D (-805) (-)

Ion 79.00 (78.70 to 79.70): BM026489.D (-805) (-)

Time-->

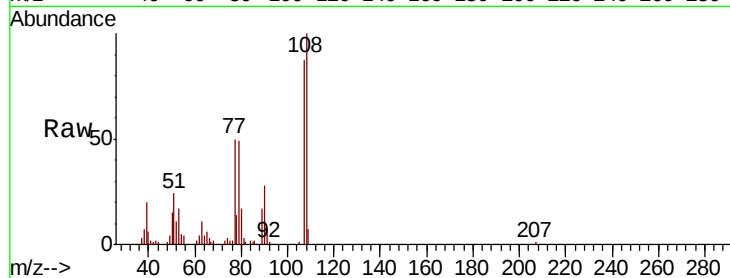




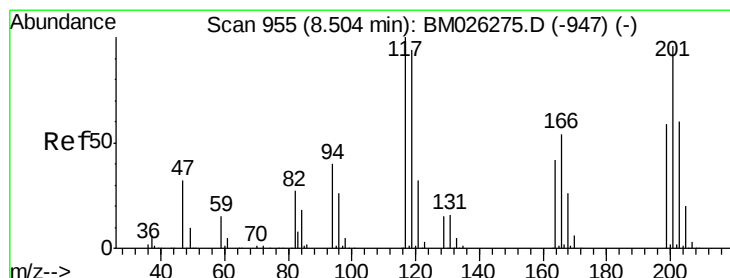
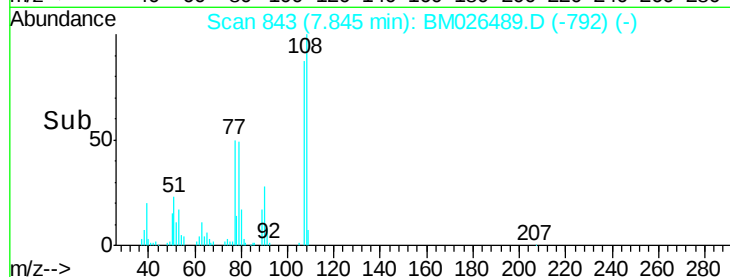
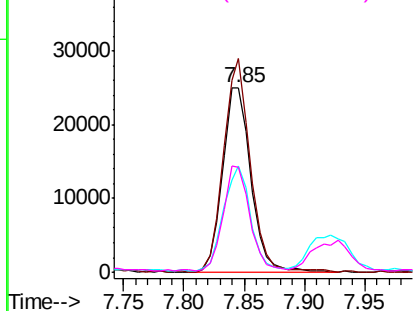
#17
2-Methylphenol
Concen: 6.475 ng
RT: 7.85 min Scan# 843
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:	107	Resp:	40905
Ion	Ratio	Lower	Upper
107	100		
108	115.5	88.5	132.7
77	57.5	40.6	60.8
79	57.0	39.6	59.4

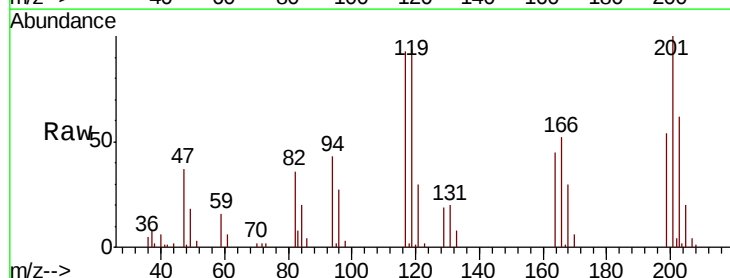


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

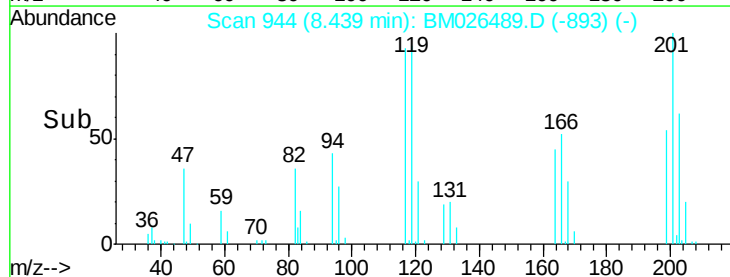
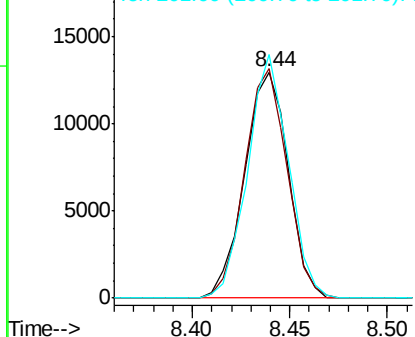


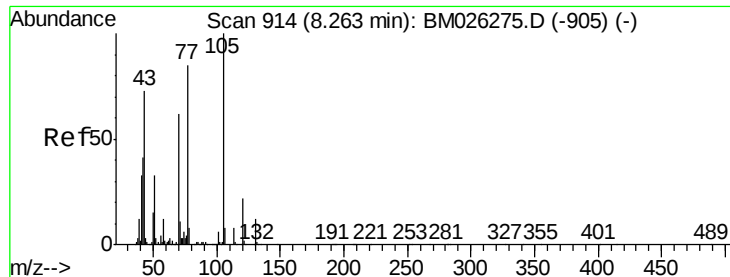
#18
Hexachloroethane
Concen: 7.244 ng
RT: 8.44 min Scan# 944
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion:	117	Resp:	20002
Ion	Ratio	Lower	Upper
117	100		
119	101.5	77.8	116.6
201	107.9	79.9	119.9



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

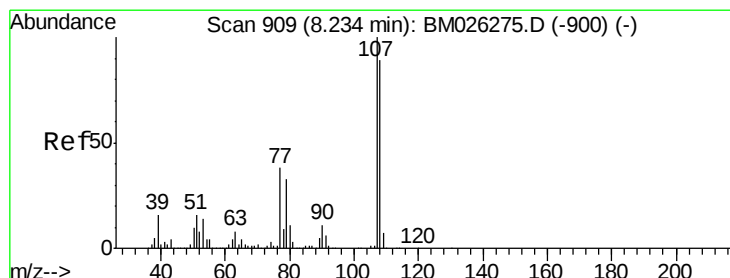
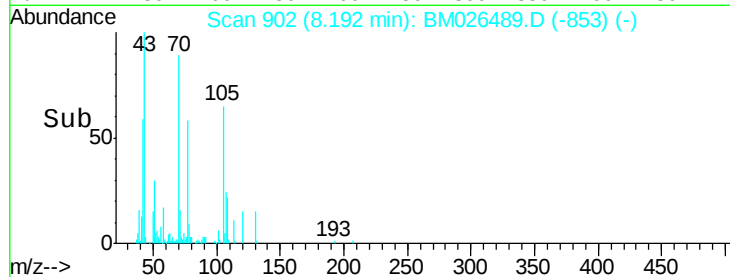
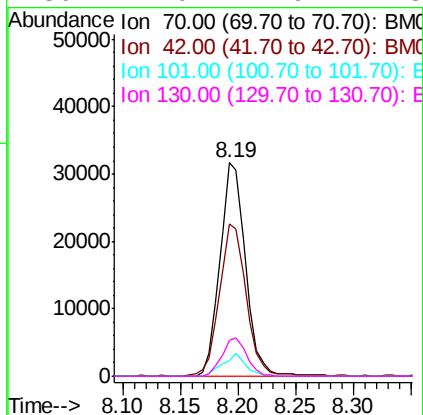
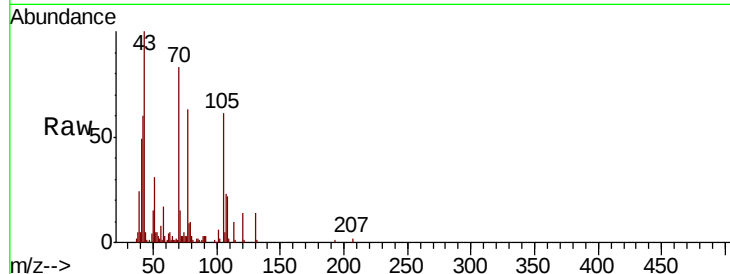




#19
n-Nitroso-di-n-propylamine
Concen: 7.712 ng
RT: 8.19 min Scan# 902
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

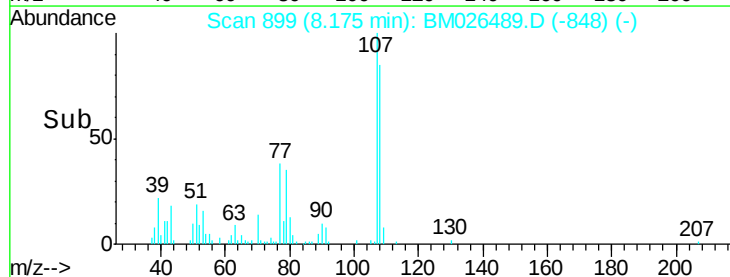
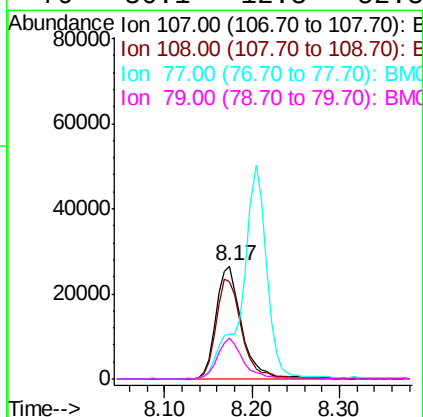
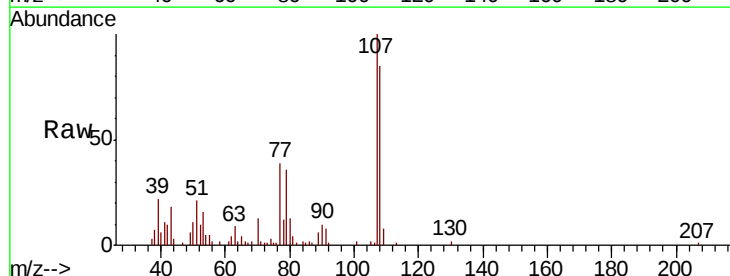
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion: 70 Resp: 48774
Ion Ratio Lower Upper
70 100
42 71.4 52.2 78.4
101 7.2 7.0 10.6
130 17.0 14.9 22.3



#20
3+4-Methylphenols
Concen: 6.291 ng
RT: 8.17 min Scan# 899
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion:107 Resp: 54165
Ion Ratio Lower Upper
107 100
108 85.5 70.4 110.4
77 39.5 17.3 57.3
79 36.1 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: BM026489.D

Acq: 22 Jun 2020 14:18

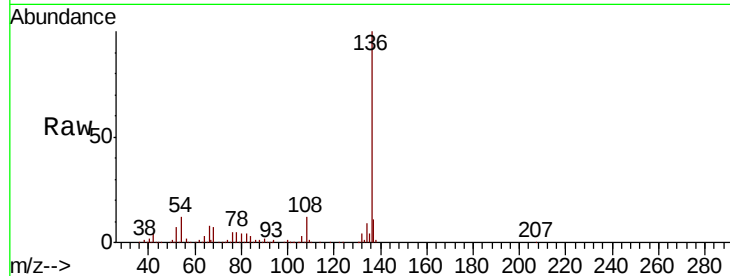
Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:136	Resp:	419820
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	11.6	9.0 13.6
68	6.7	5.6 8.4

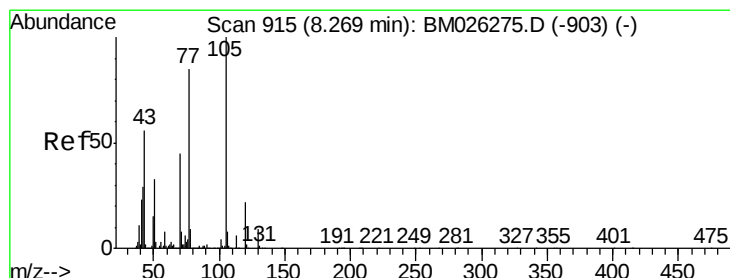
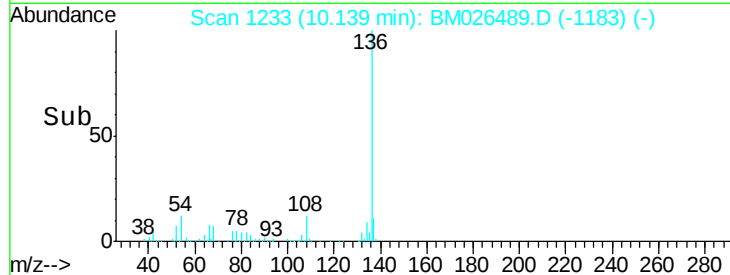
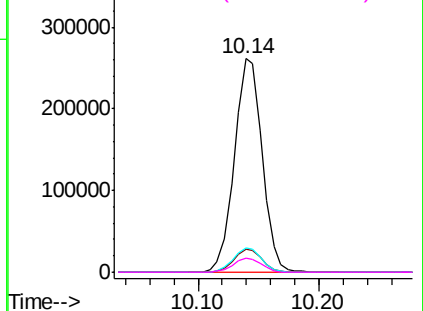


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 7.927 ng

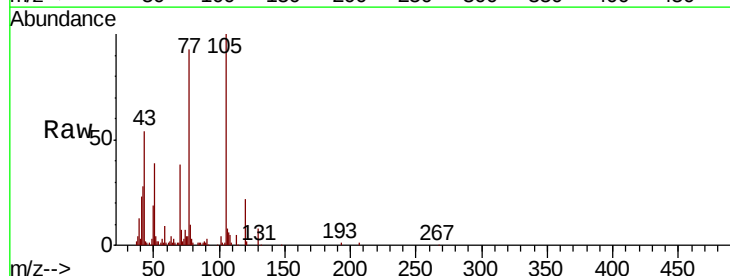
RT: 8.20 min Scan# 904

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Tgt Ion:105	Resp:	85568
Ion Ratio	Lower	Upper
105	100	
71	7.3	4.5 6.7#
51	39.5	25.2 37.8#
120	22.1	17.0 25.6

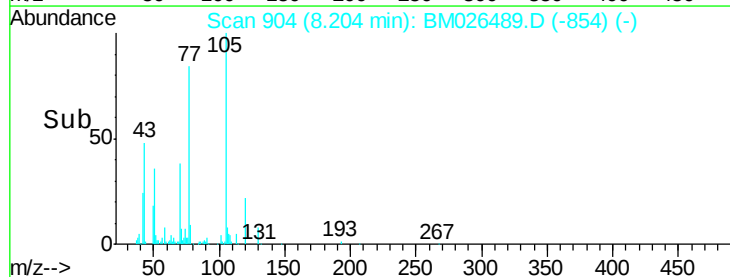
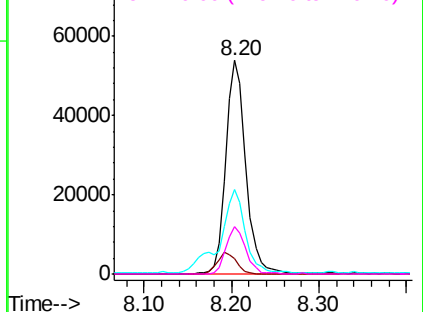


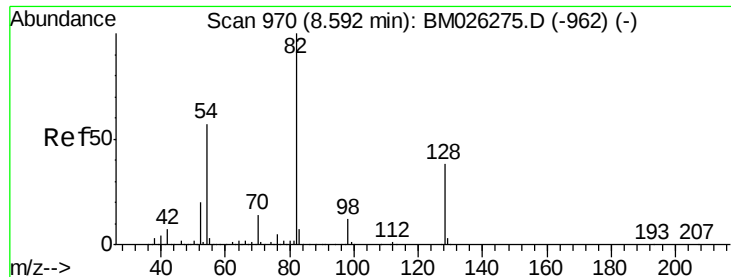
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E



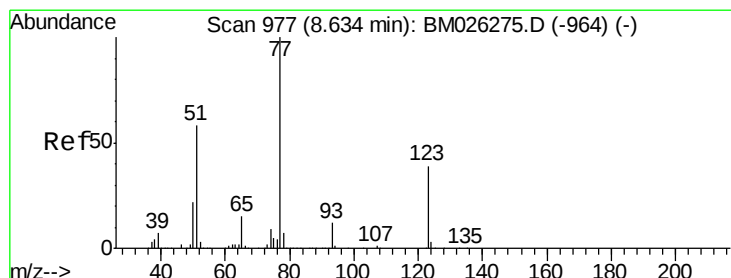
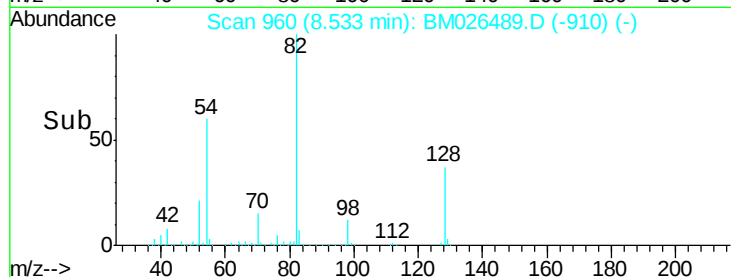
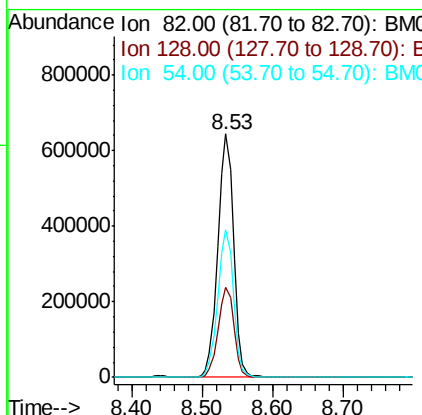
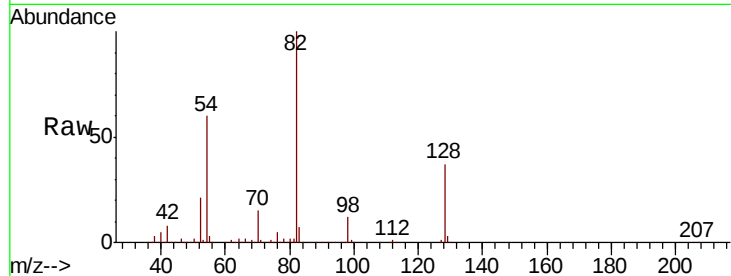


#23
 Nitrobenzene-d5
 Concen: 117.176 ng
 RT: 8.53 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion: 82 Resp: 1001897

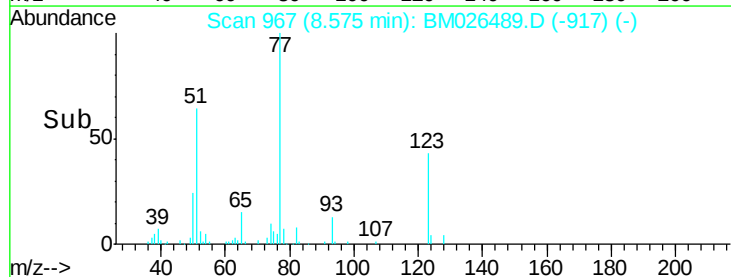
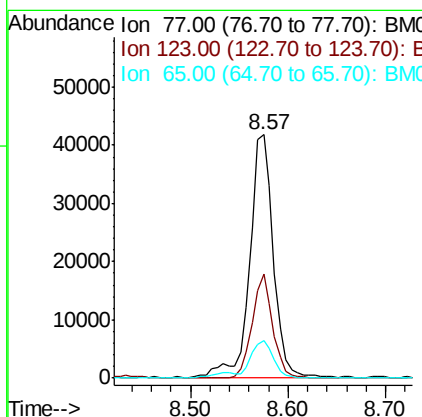
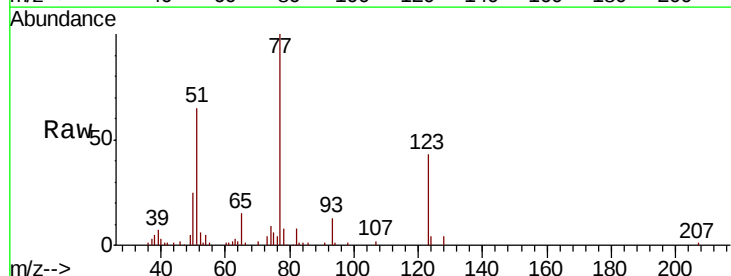
Ion	Ratio	Lower	Upper
82	100		
128	36.8	31.0	46.6
54	60.4	45.4	68.2

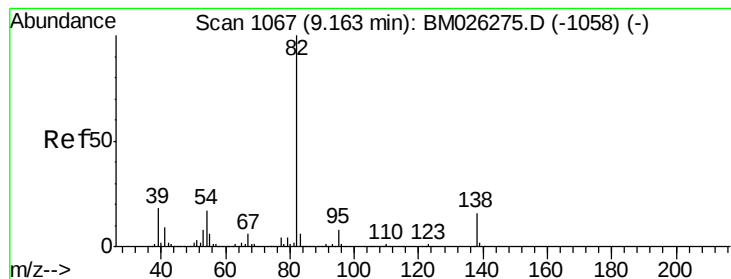


#24
 Nitrobenzene
 Concen: 8.035 ng
 RT: 8.57 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Tgt Ion: 77 Resp: 71918

Ion	Ratio	Lower	Upper
77	100		
123	42.5	32.0	48.0
65	15.3	11.8	17.8





#25

Isophorone

Concen: 7.695 ng

RT: 9.10 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

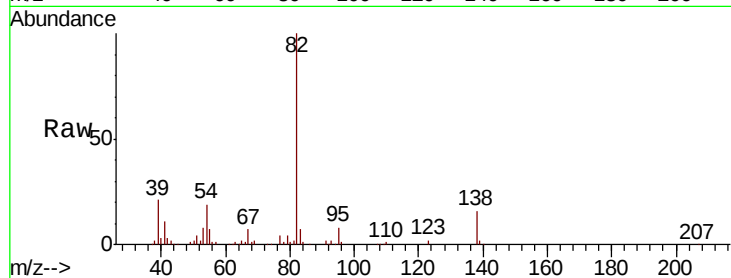
Tot Ion: 82 Resp: 123602

Ion Ratio Lower Upper

82 100

95 7.6 6.0 9.0

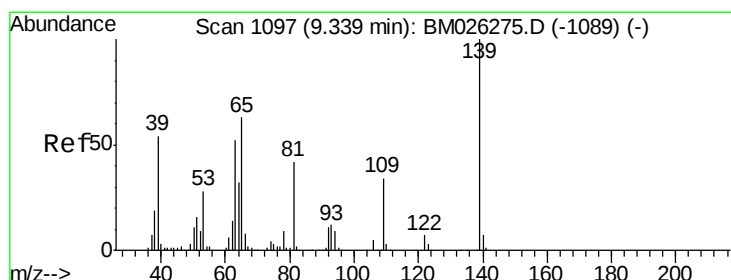
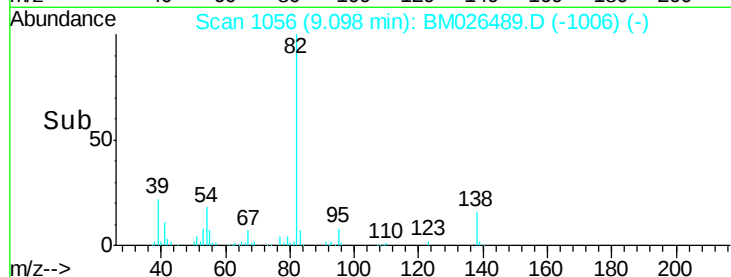
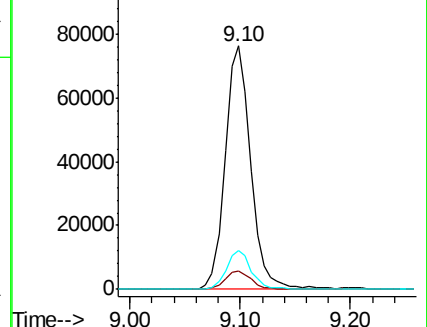
138 15.7 12.7 19.1



Abundance Ion 82.00 (81.70 to 82.70): BM026275.D (-1058) (-)

Ion 95.00 (94.70 to 95.70): BM026275.D (-1058) (-)

Ion 138.00 (137.70 to 138.70): BM026275.D (-1058) (-)



#26

2-Nitrophenol

Concen: 6.679 ng

RT: 9.28 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

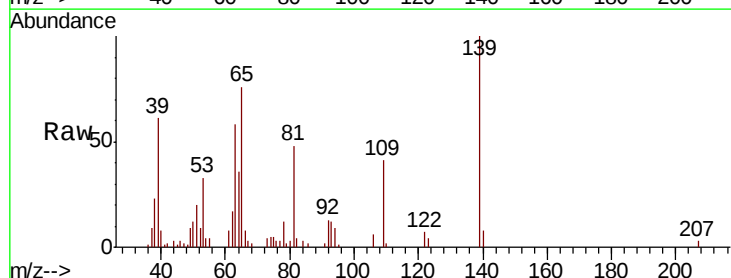
Tgt Ion: 139 Resp: 23660

Ion Ratio Lower Upper

139 100

109 40.6 25.2 37.8#

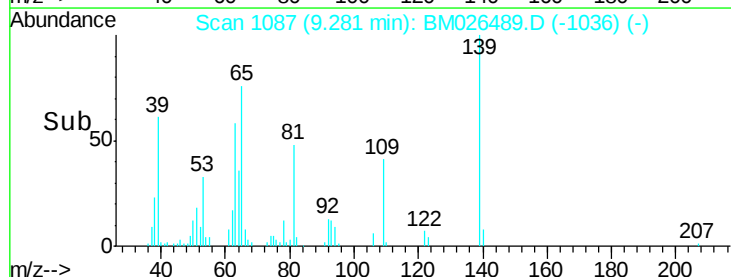
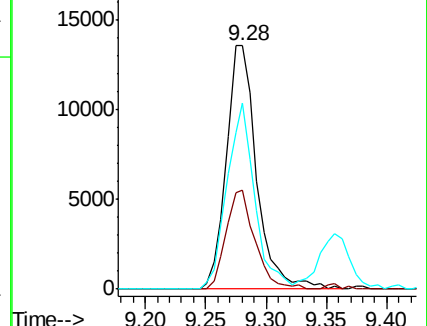
65 76.4 47.1 70.7#



Abundance Ion 139.00 (138.70 to 139.70): BM026275.D (-1089) (-)

Ion 109.00 (108.70 to 109.70): BM026275.D (-1089) (-)

Ion 65.00 (64.70 to 65.70): BM026275.D (-1089) (-)

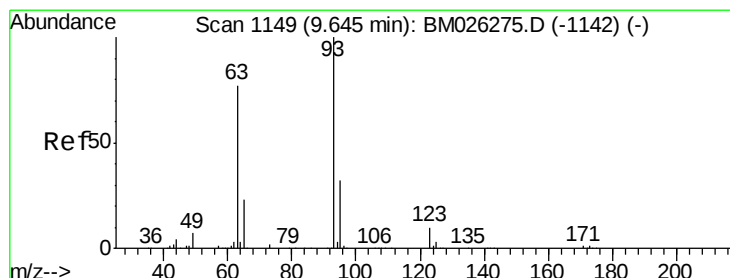
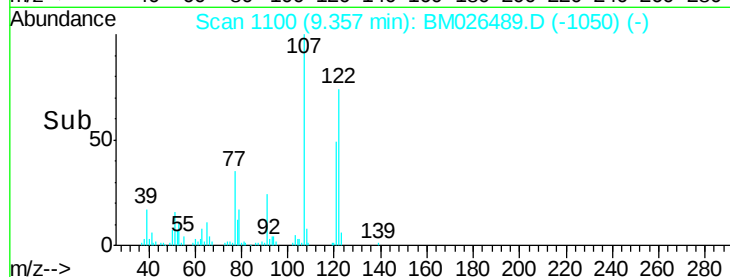
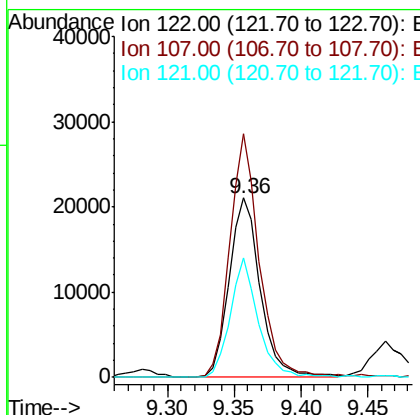
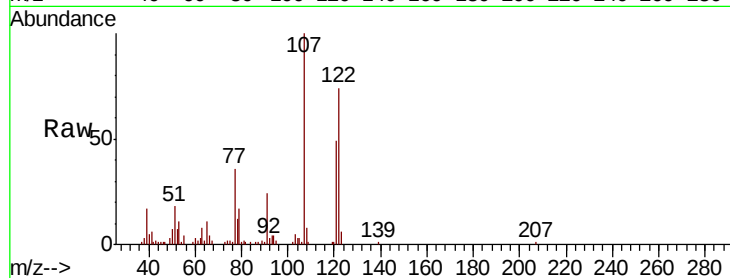




#27
2,4-Dimethylphenol
Concen: 6.127 ng
RT: 9.36 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

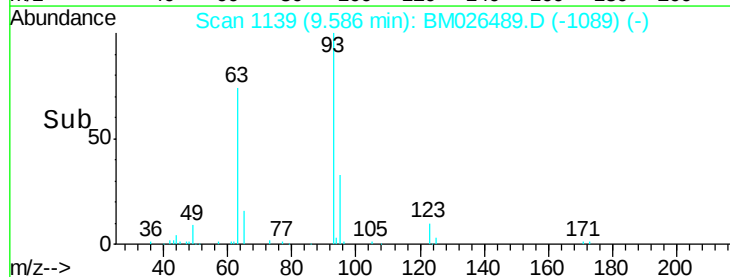
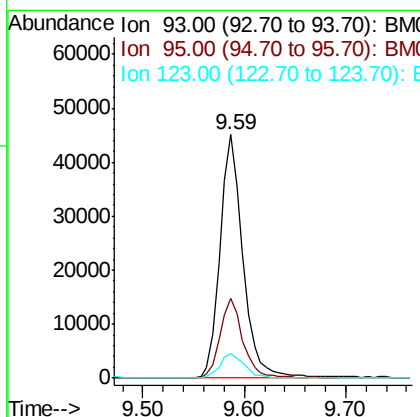
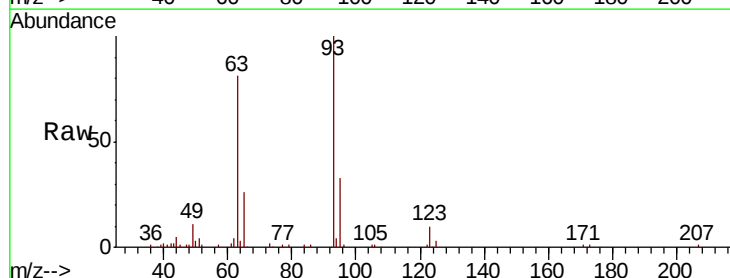
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:122 Resp: 34263
Ion Ratio Lower Upper
122 100
107 135.8 96.1 144.1
121 66.5 46.0 69.0



#28
bis(2-Chloroethoxy)methane
Concen: 7.792 ng
RT: 9.59 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion: 93 Resp: 71010
Ion Ratio Lower Upper
93 100
95 32.8 25.9 38.9
123 10.4 8.9 13.3

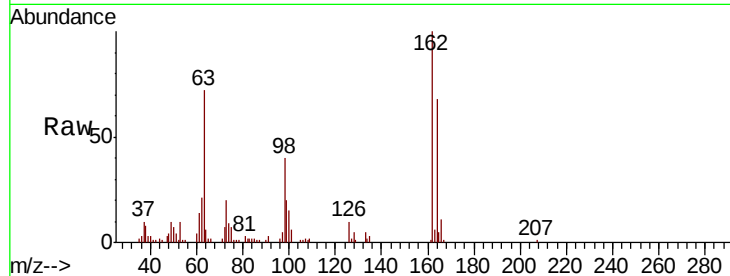




#29
 2,4-Dichlorophenol
 Concen: 6.979 ng
 RT: 9.82 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	68.4	46.2	86.2
98	39.5	19.0	59.0

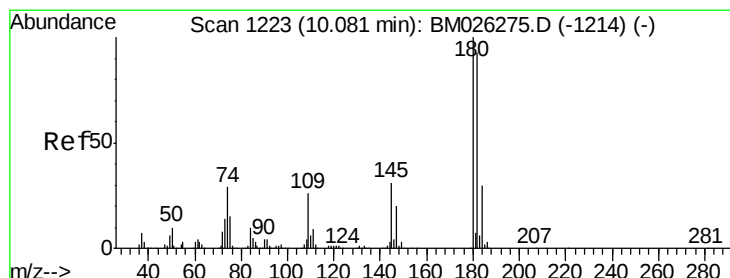
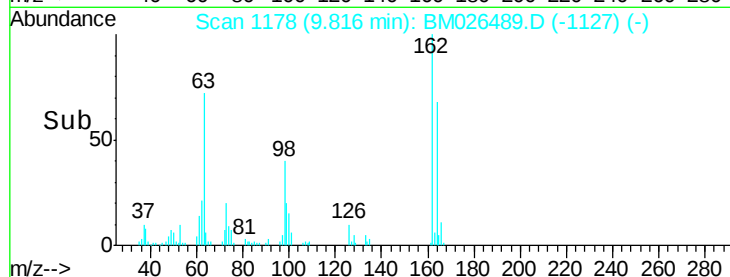
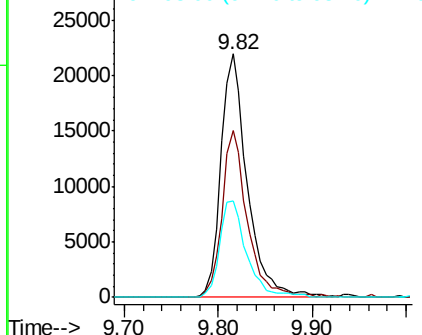


Abundance

Ion 162.00 (161.70 to 162.70): E

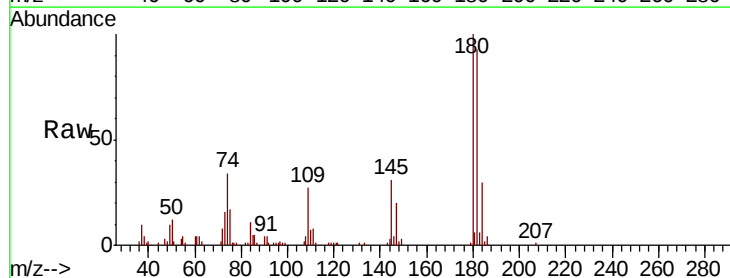
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BM



#30
 1,2,4-Trichlorobenzene
 Concen: 7.797 ng
 RT: 10.01 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	77.3	115.9
145	31.0	26.6	40.0

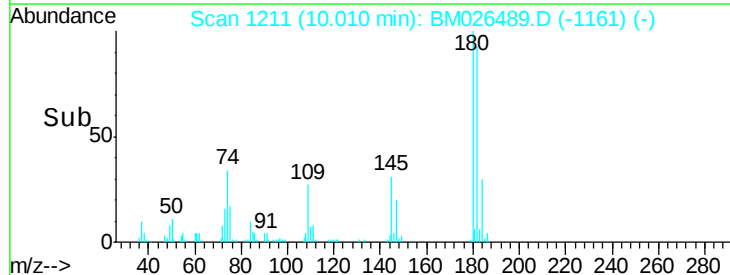
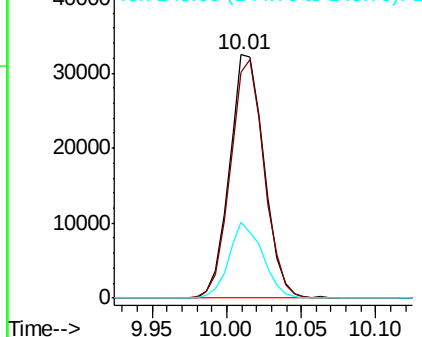


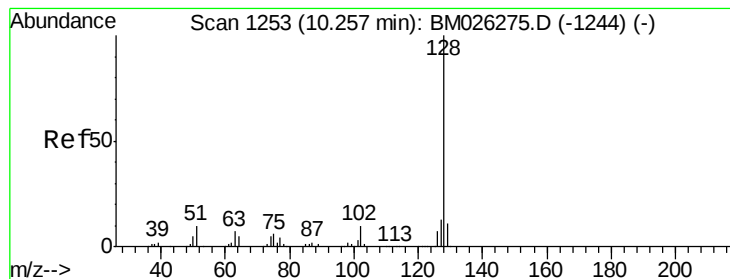
Abundance

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

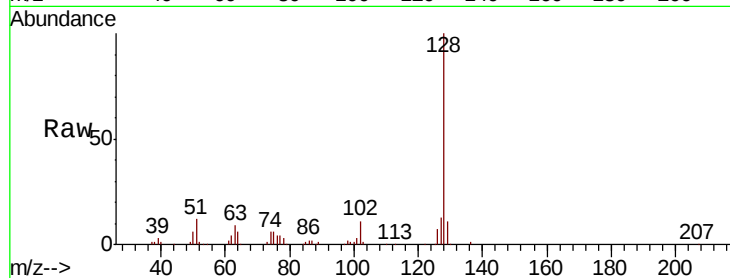




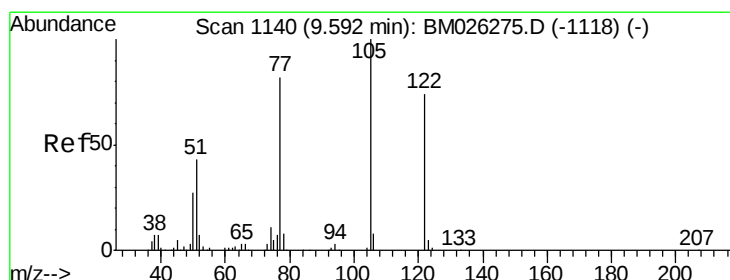
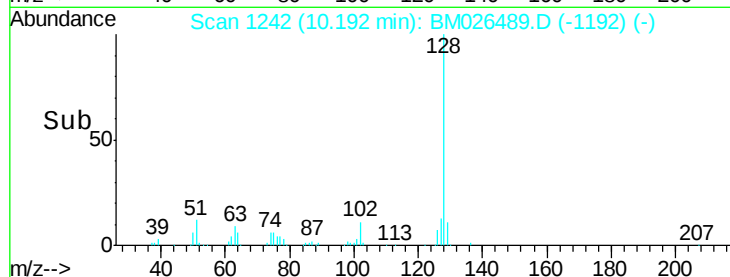
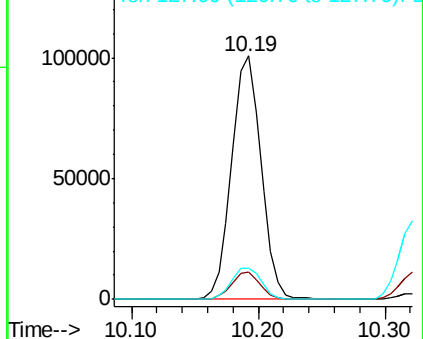
#31
Naphthalene
Concen: 7.679 ng
RT: 10.19 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:128 Resp: 162454
Ion Ratio Lower Upper
128 100
129 11.1 8.4 12.6
127 12.8 10.2 15.4

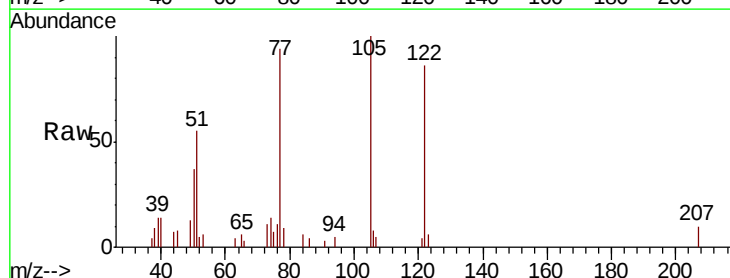


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

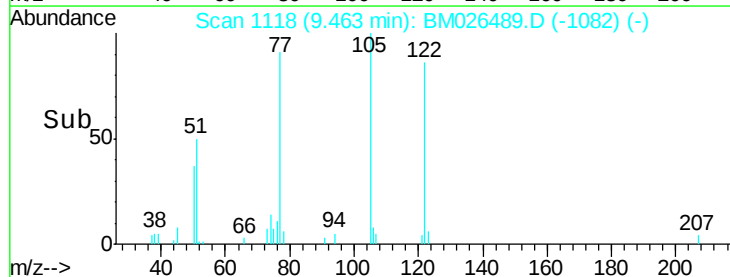
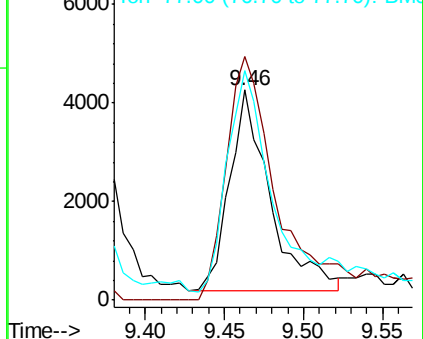


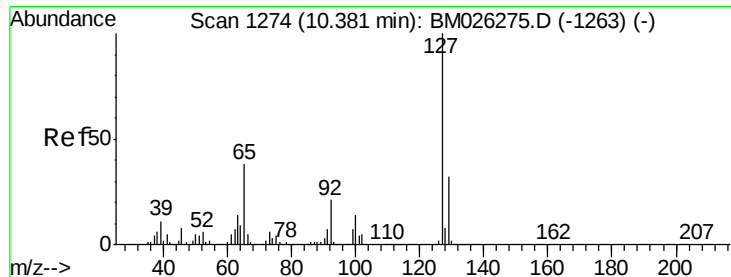
#32
Benzoic acid
Concen: 1.763 ng
RT: 9.46 min Scan# 1118
Delta R.T. -0.09 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion:122 Resp: 7324
Ion Ratio Lower Upper
122 100
105 116.1 108.9 148.9
77 109.4 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

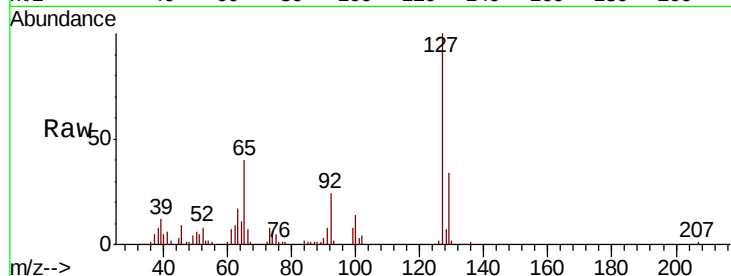




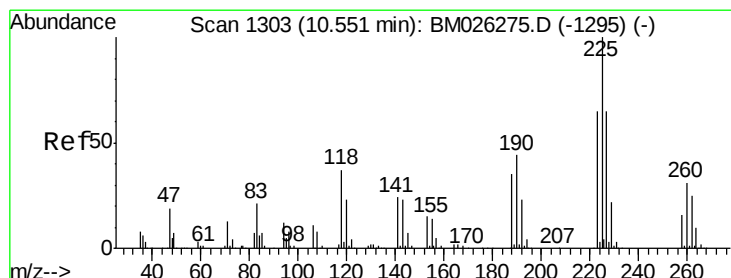
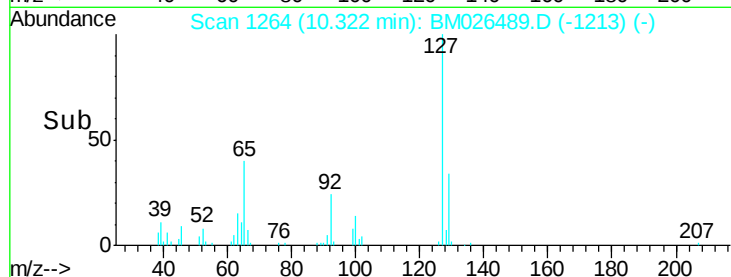
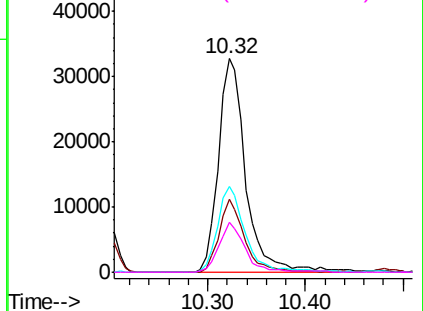
#33
4-Chloroaniline
Concen: 6.865 ng
RT: 10.32 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:127	Resp:	63348
Ion	Ratio	Lower Upper
127	100	
129	33.9	25.3 37.9
65	39.9	30.0 45.0
92	23.6	17.1 25.7

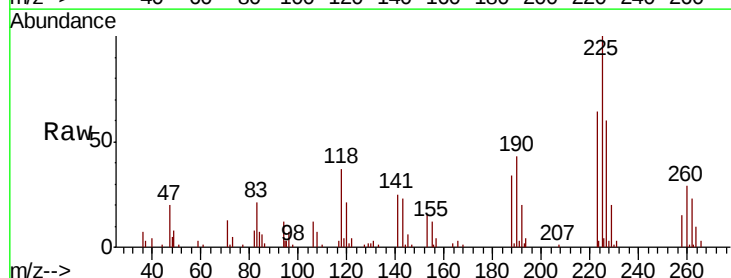


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

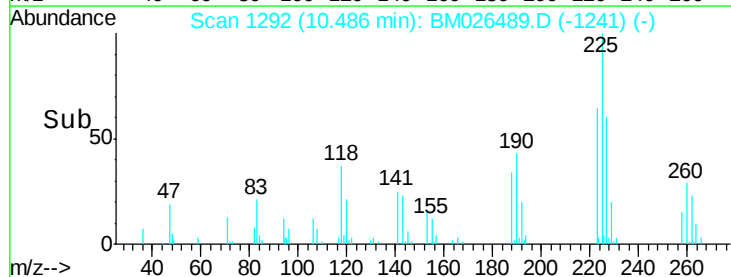
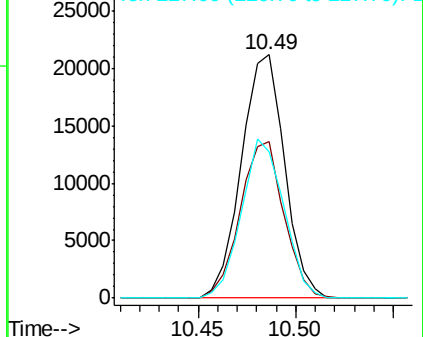


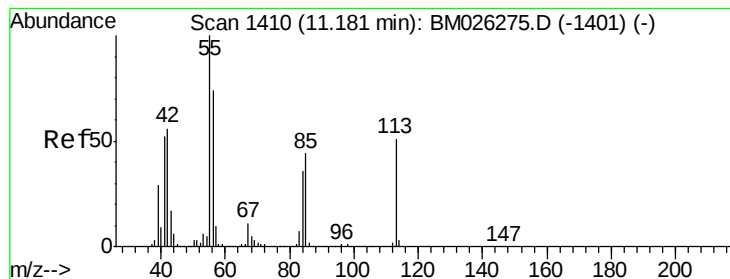
#34
Hexachlorobutadiene
Concen: 7.659 ng
RT: 10.49 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion:225	Resp:	32530
Ion	Ratio	Lower Upper
225	100	
223	64.5	50.2 75.4
227	60.3	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: 7.418 ng

RT: 11.10 min Scan# 1397

Delta R.T. -0.02 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

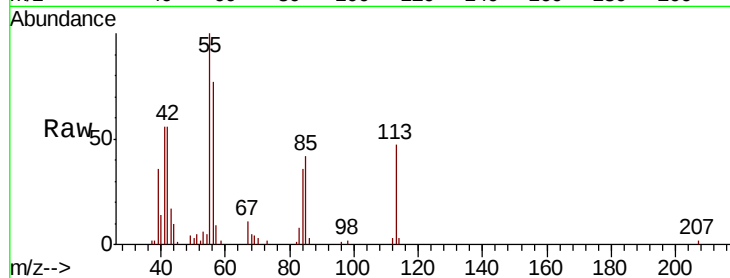
Tot Ion:113 Resp: 15991

Ion Ratio Lower Upper

113 100

55 210.7 177.1 217.1

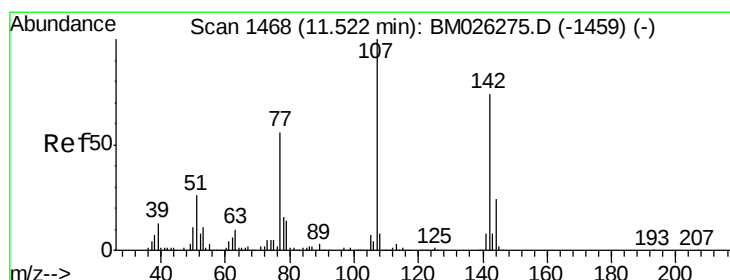
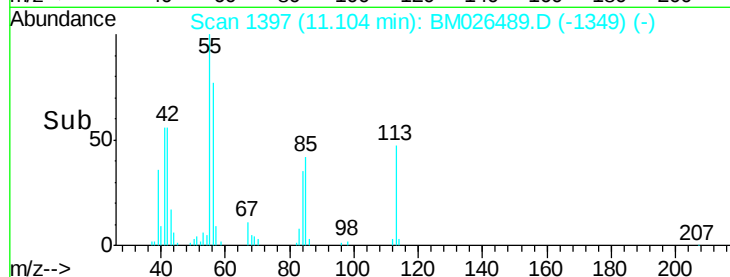
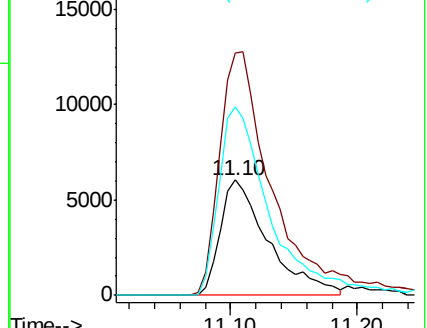
56 163.2 134.8 174.8



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: 7.467 ng

RT: 11.46 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

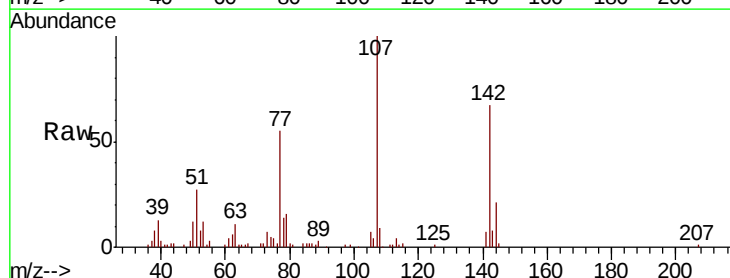
Tgt Ion:107 Resp: 55823

Ion Ratio Lower Upper

107 100

144 20.6 18.7 28.1

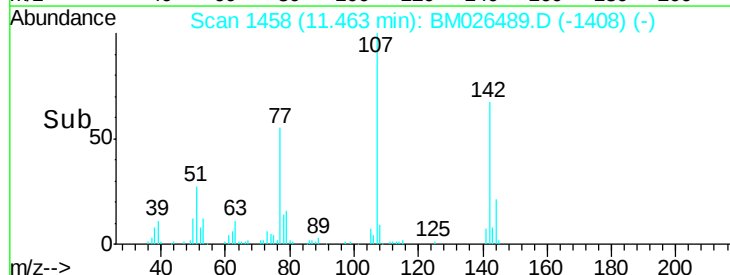
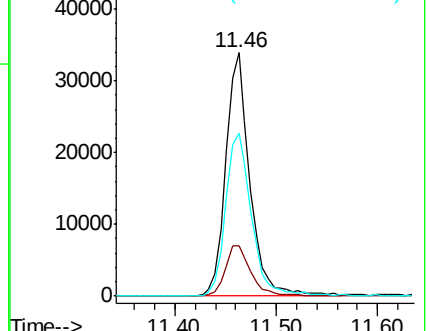
142 67.2 57.7 86.5

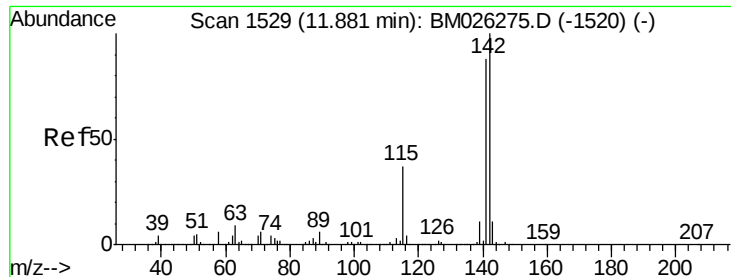


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

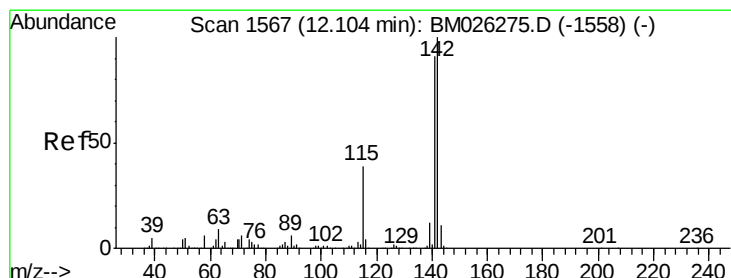
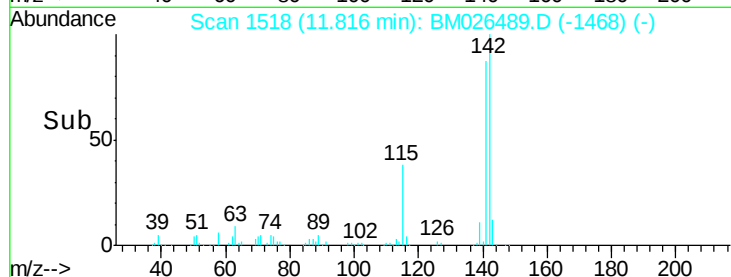
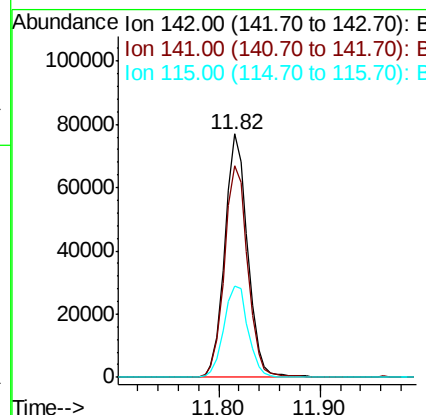
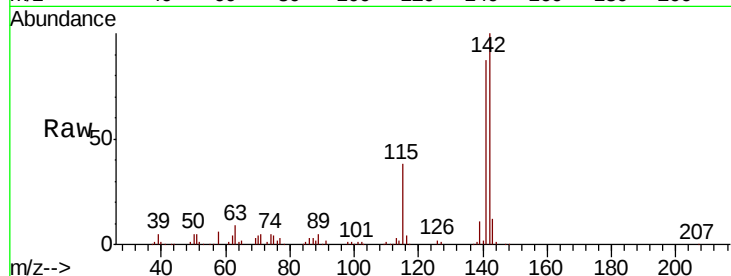




#37
2-Methylnaphthalene
Concen: 8.005 ng
RT: 11.82 min Scan# 1518
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

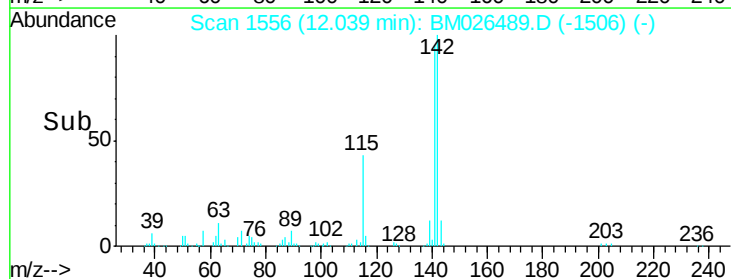
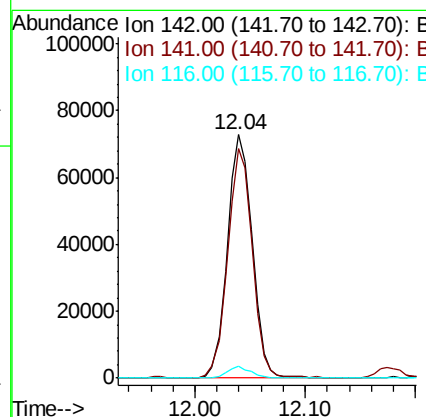
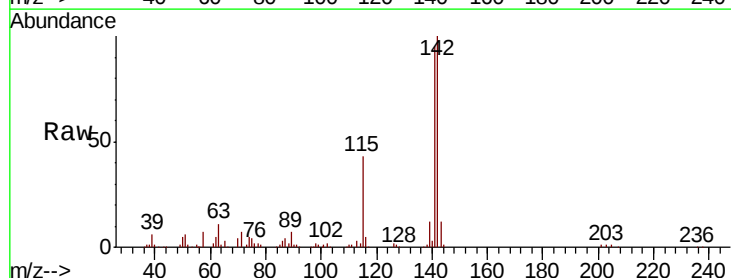
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

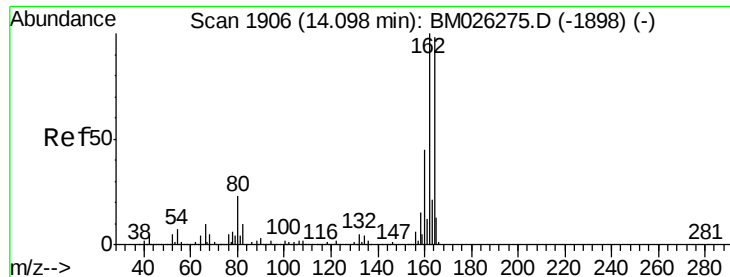
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.7	70.5	105.7
115	37.7	30.2	45.4



#38
1-Methylnaphthalene
Concen: 8.045 ng
RT: 12.04 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.5	73.3	109.9
116	5.0	3.4	5.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.04 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

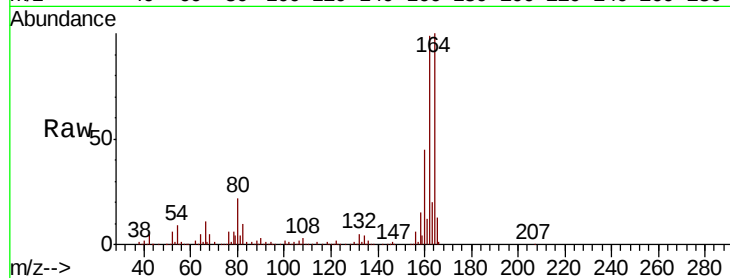
Tot Ion:164 Resp: 288661

Ion Ratio Lower Upper

164 100

162 99.4 77.7 116.5

160 45.5 34.2 51.2

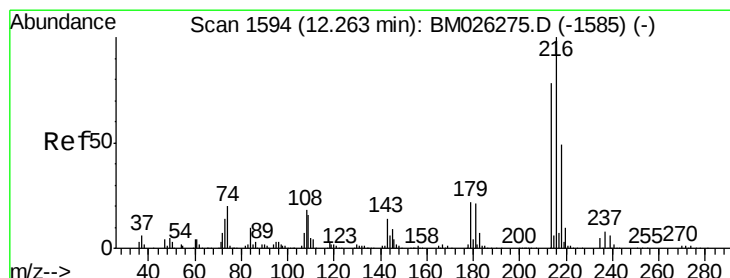
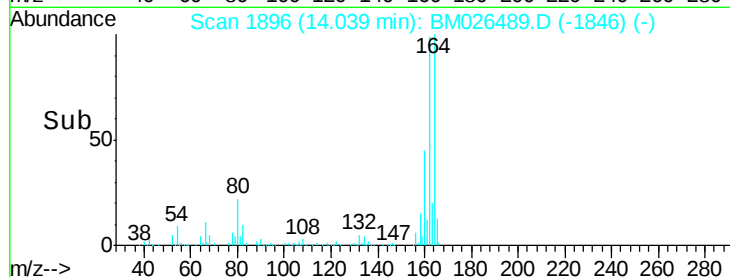
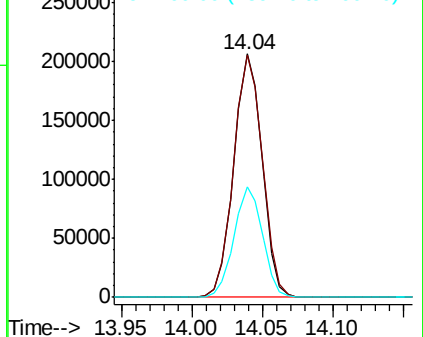


Abundance

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: 8.025 ng

RT: 12.20 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Tgt Ion:216 Resp: 65945

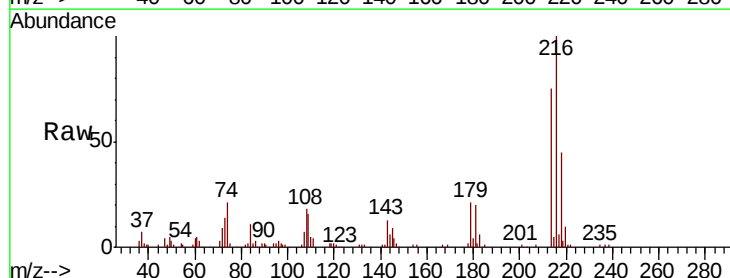
Ion Ratio Lower Upper

216 100

214 76.8 61.9 92.9

179 21.4 16.3 24.5

108 20.8 15.3 22.9



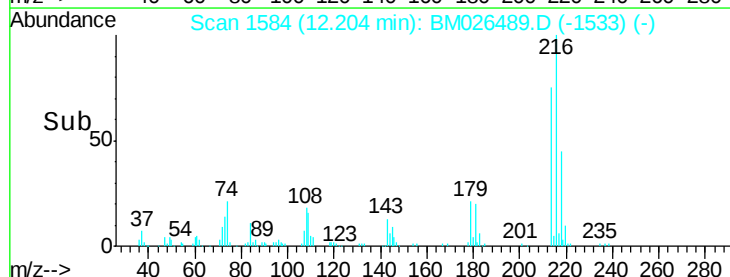
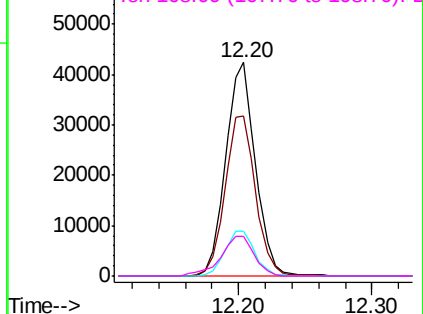
Abundance

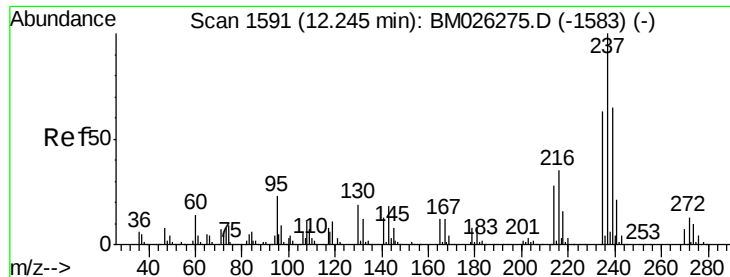
Ion 216.00 (215.70 to 216.70): E

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: 7.238 ng

RT: 12.18 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

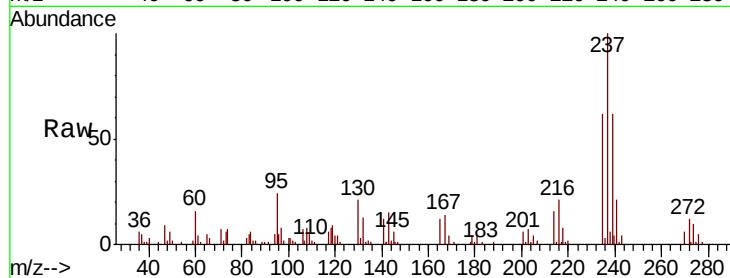
Tot Ion:237 Resp: 35048

Ion Ratio Lower Upper

237 100

235 62.2 42.1 82.1

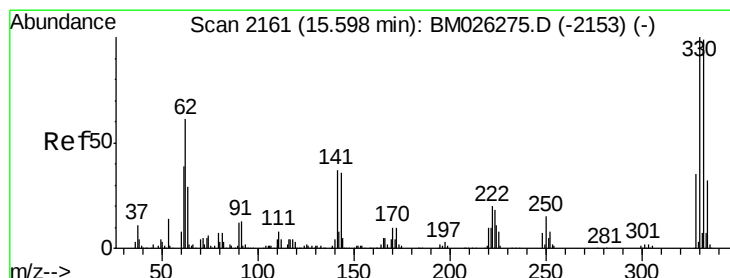
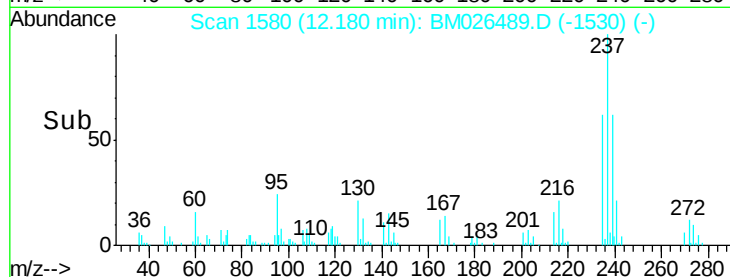
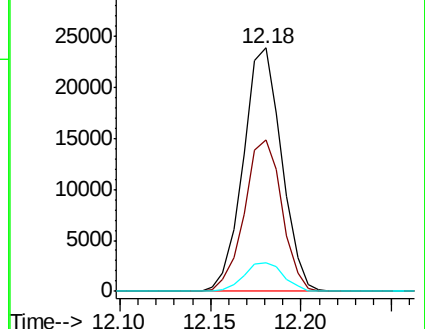
272 11.5 0.0 33.5



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: 196.335 ng

RT: 15.55 min Scan# 2153

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

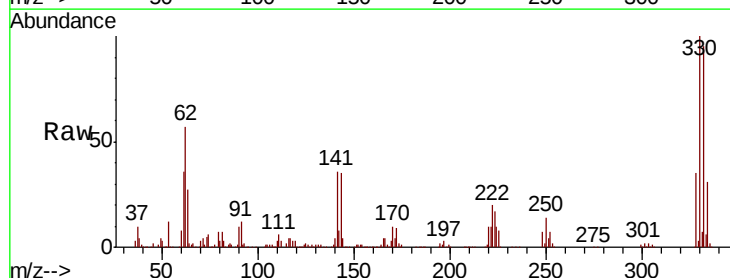
Tgt Ion:330 Resp: 686525

Ion Ratio Lower Upper

330 100

332 96.8 77.7 116.5

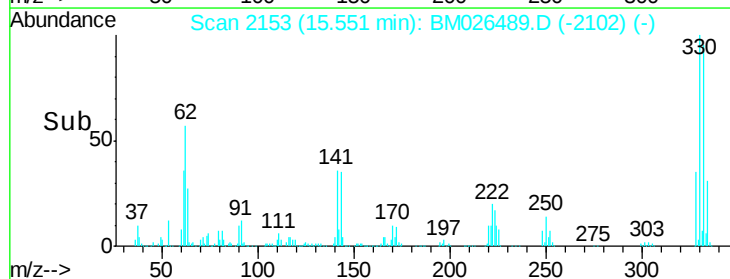
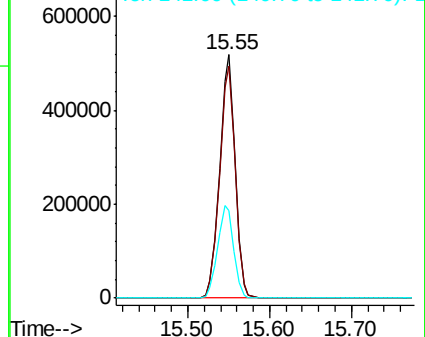
141 39.6 29.7 44.5

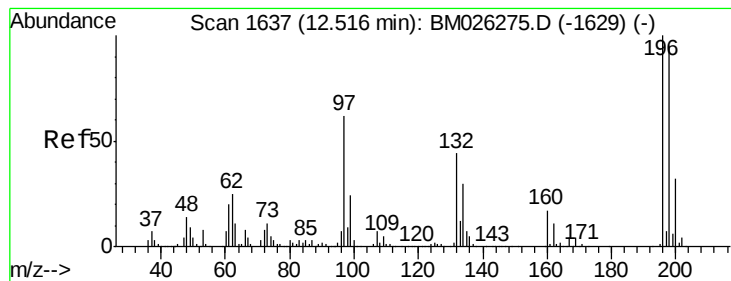


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 6.722 ng

RT: 12.46 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

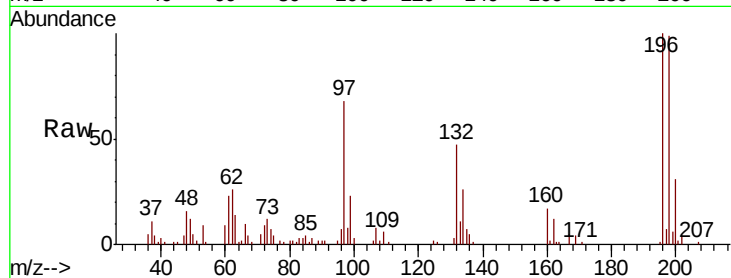
Tot Ion:196 Resp: 37387

Ion Ratio Lower Upper

196 100

198 99.0 79.0 118.4

200 31.1 25.2 37.8

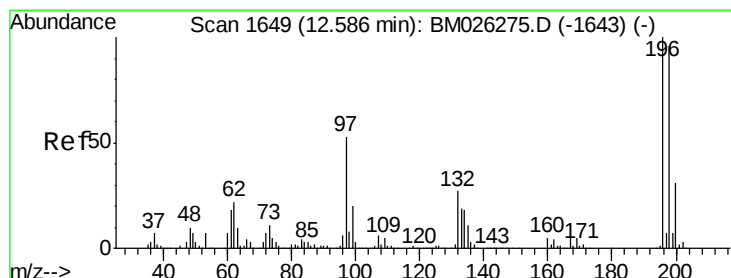
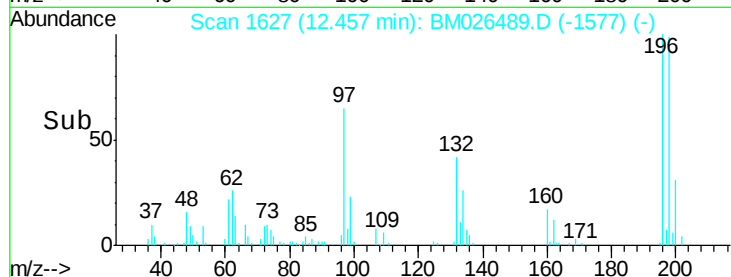
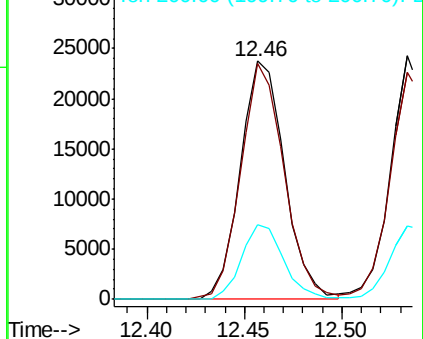


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 6.188 ng

RT: 12.53 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Tgt Ion:196 Resp: 39951

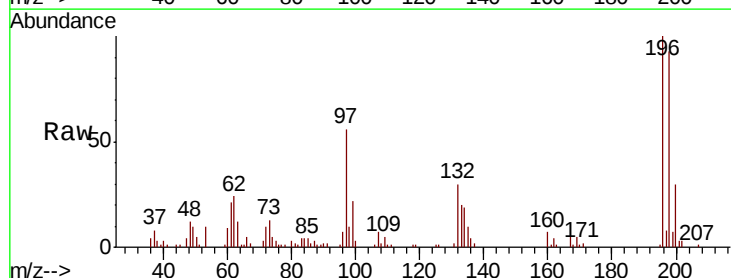
Ion Ratio Lower Upper

196 100

198 93.1 77.1 115.7

97 56.3 43.0 64.4

132 30.4 21.8 32.8



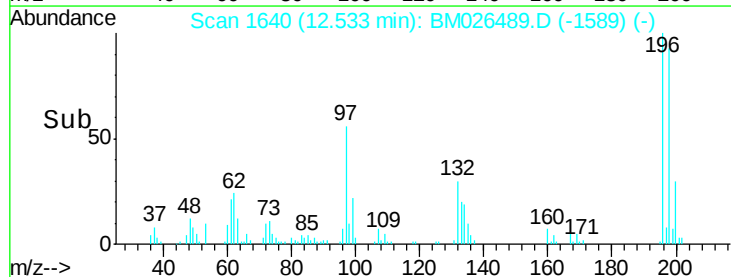
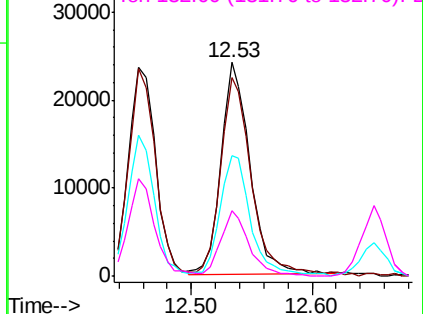
Abundance

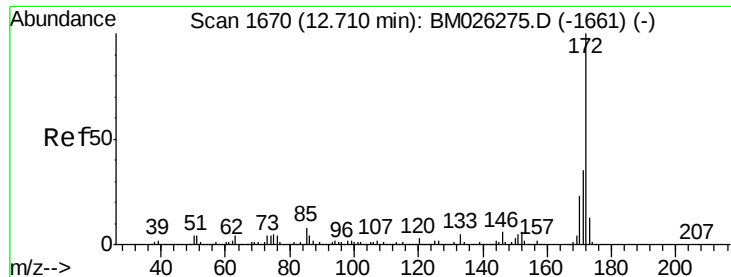
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BM0

Ion 132.00 (131.70 to 132.70): E

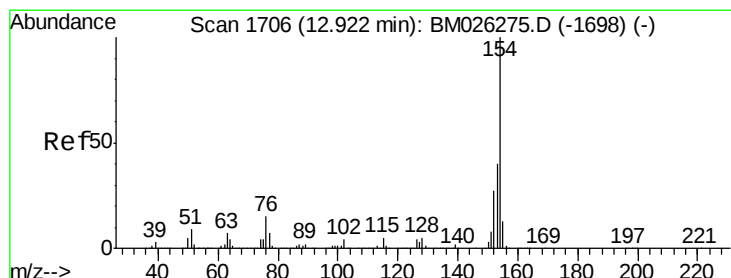
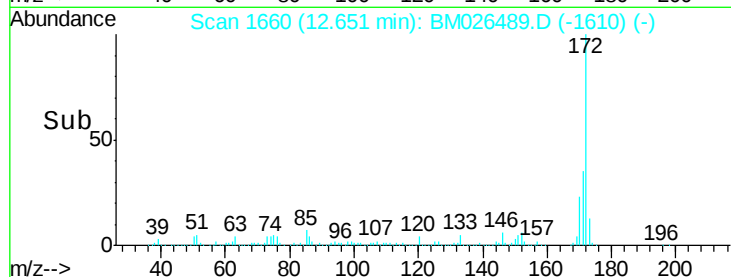
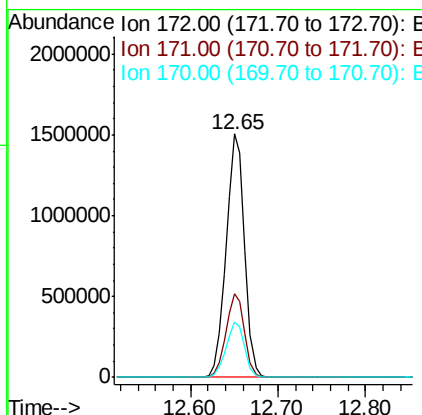
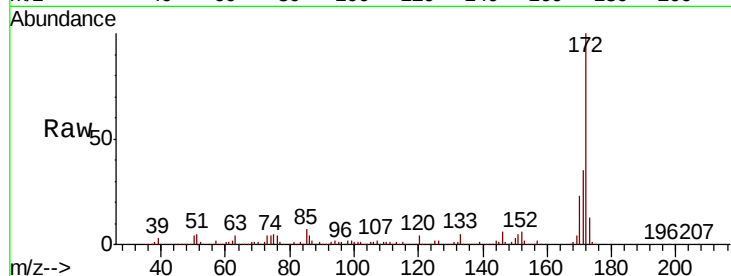




#45
2-Fluorobiphenyl
Concen: 114.124 ng
RT: 12.65 min Scan# 1660
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

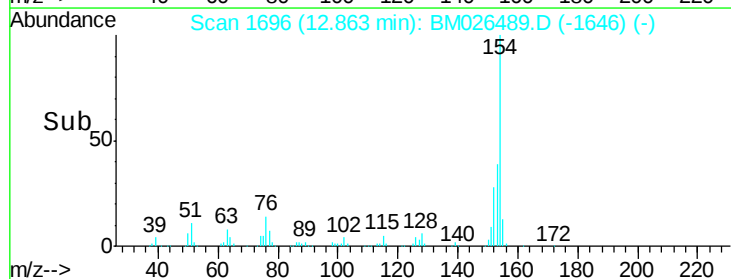
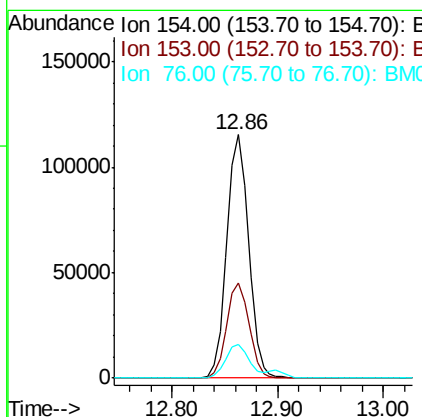
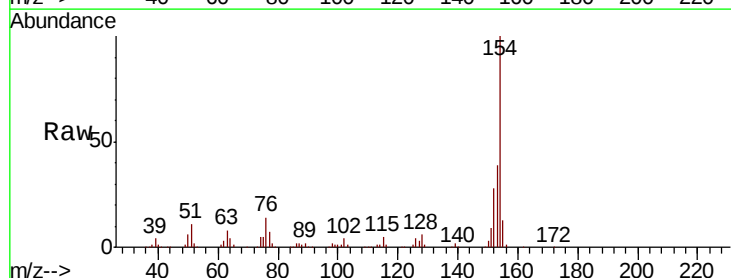
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:172 Resp: 2170209
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.8
170 22.6 18.2 27.4



#46
1,1'-Biphenyl
Concen: 8.176 ng
RT: 12.86 min Scan# 1696
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion:154 Resp: 165458
Ion Ratio Lower Upper
154 100
153 39.0 20.0 60.0
76 14.0 0.0 34.6

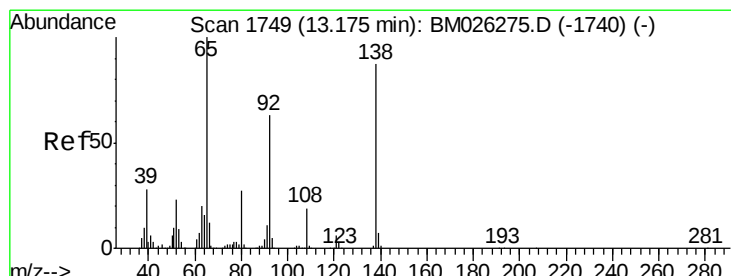
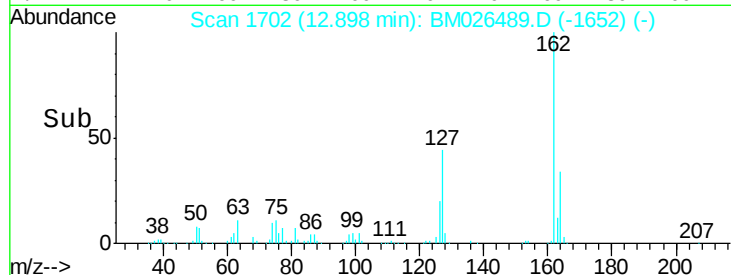
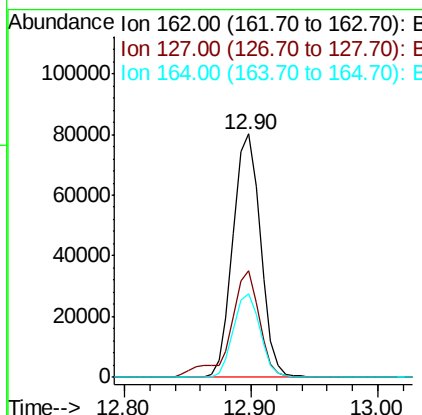
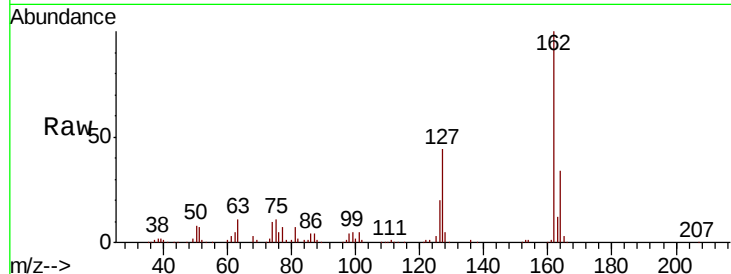




#47
 2-Chloronaphthalene
 Concen: 7.335 ng
 RT: 12.90 min Scan# 1702
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

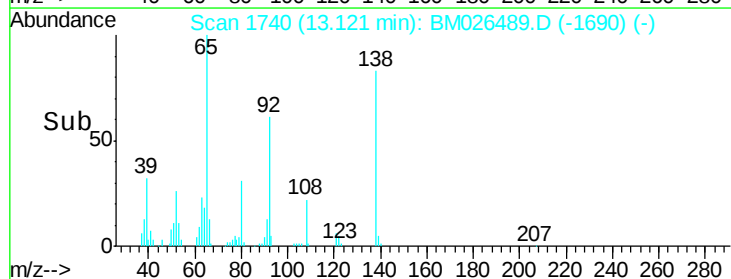
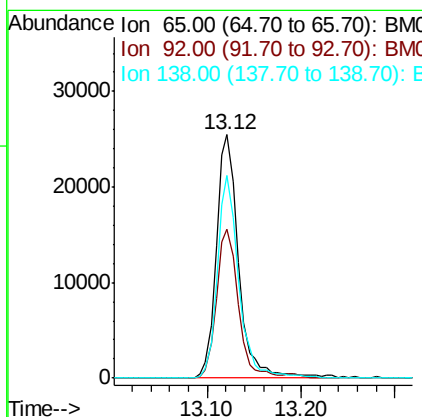
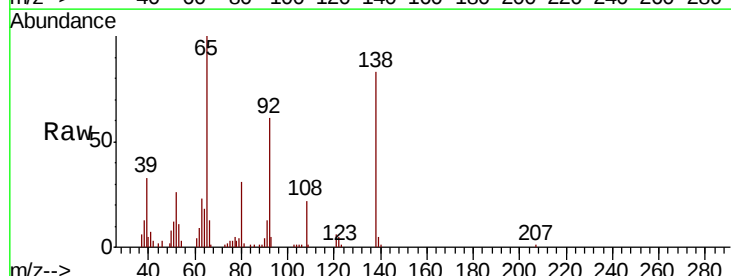
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

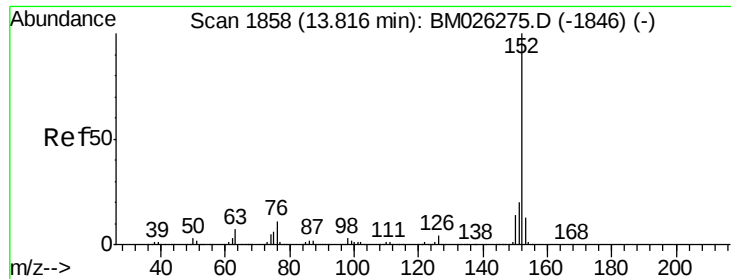
Tot Ion	Ratio	Lower	Upper
162	100		
127	43.6	34.0	51.0
164	34.2	26.3	39.5



#48
 2-Nitroaniline
 Concen: 6.510 ng
 RT: 13.12 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
65	100		
92	61.3	50.6	76.0
138	83.0	71.6	107.4





#49

Acenaphthylene

Concen: 7.435 ng

RT: 13.76 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

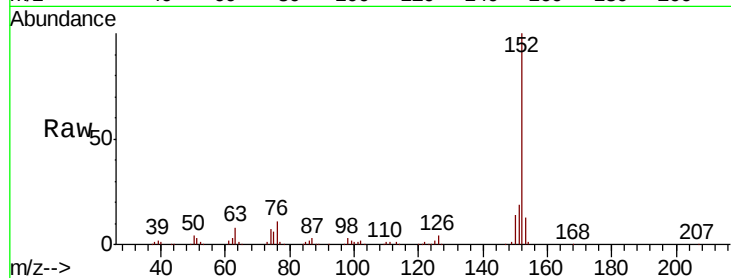
Tot Ion:152 Resp: 195471

Ion Ratio Lower Upper

152 100

151 19.3 15.8 23.6

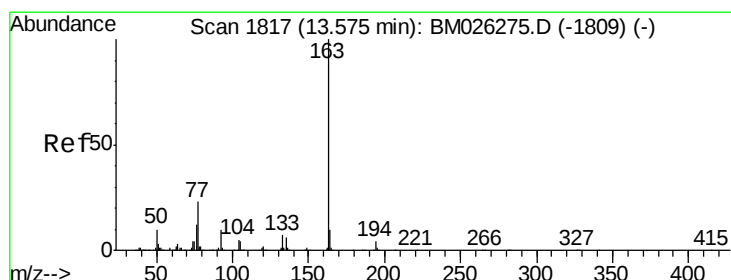
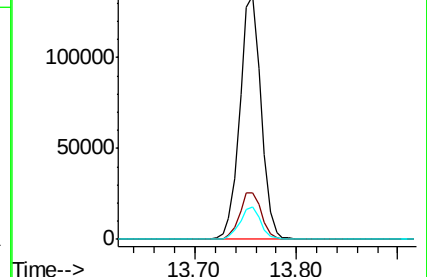
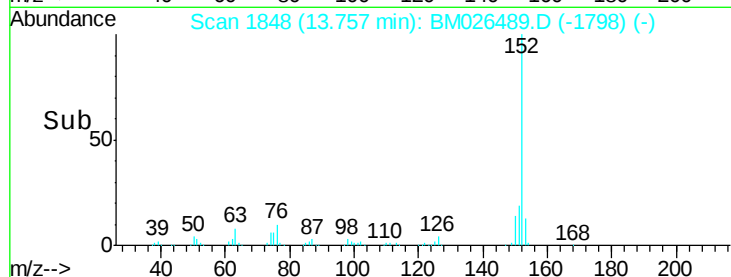
153 13.2 10.1 15.1



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: 7.652 ng

RT: 13.52 min Scan# 1807

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

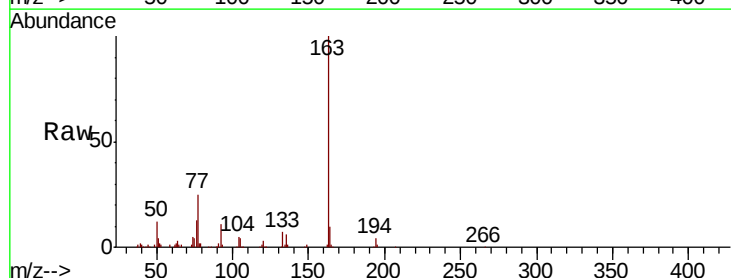
Tgt Ion:163 Resp: 161561

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

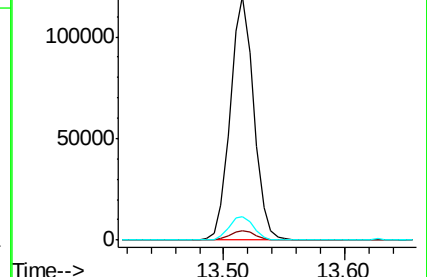
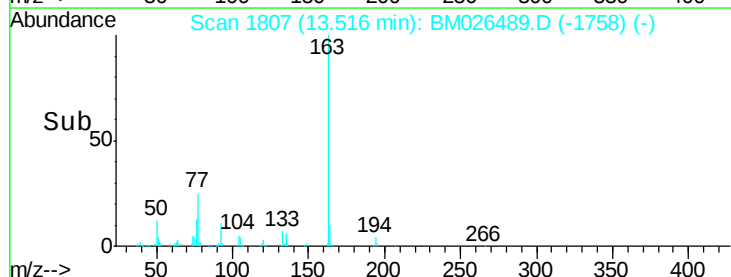
164 9.7 7.8 11.8

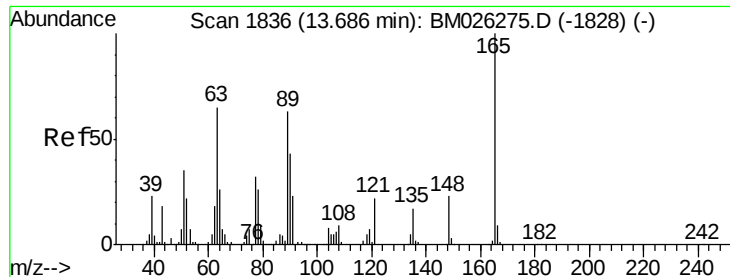


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

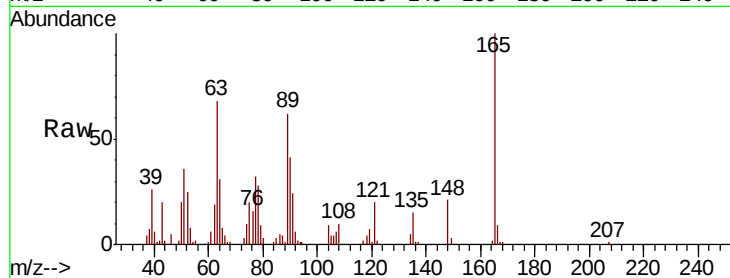




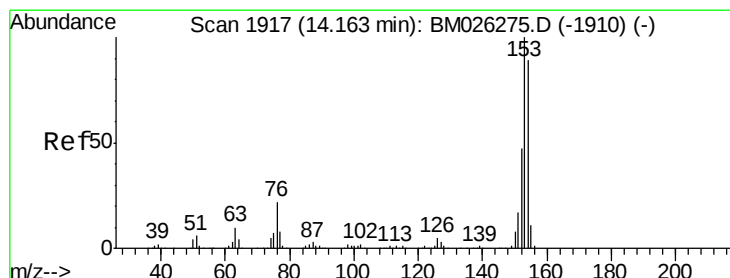
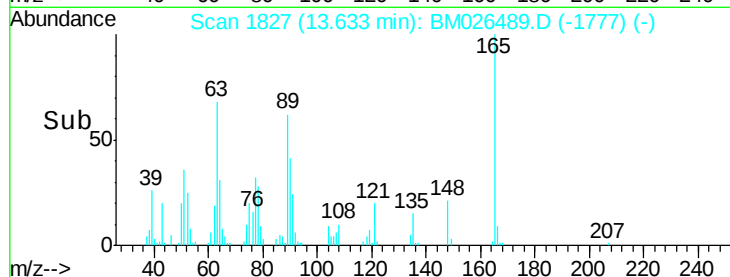
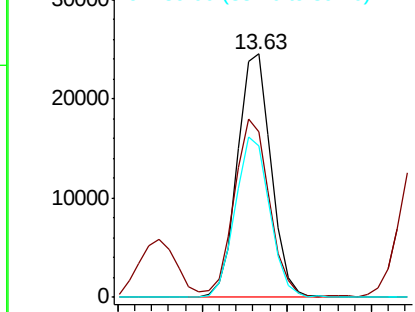
#51
2,6-Dinitrotoluene
Concen: 7.360 ng
RT: 13.63 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:165 Resp: 34100
Ion Ratio Lower Upper
165 100
63 67.8 54.3 81.5
89 62.3 51.5 77.3

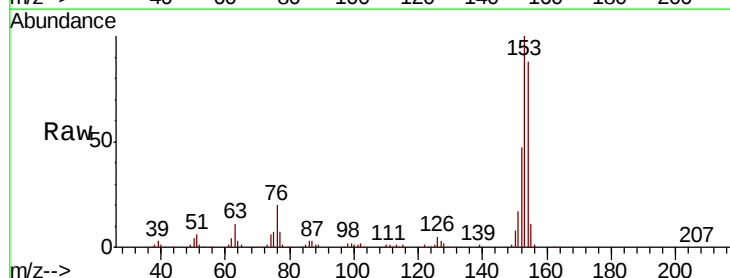


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 89.00 (88.70 to 89.70): BM

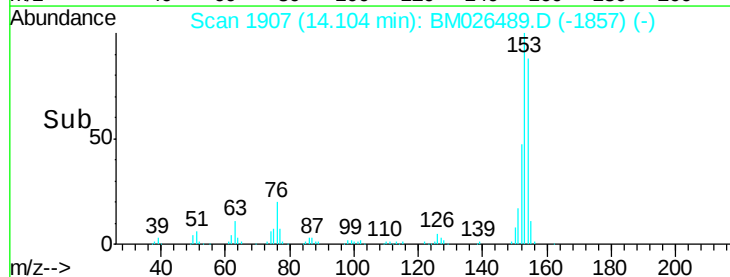
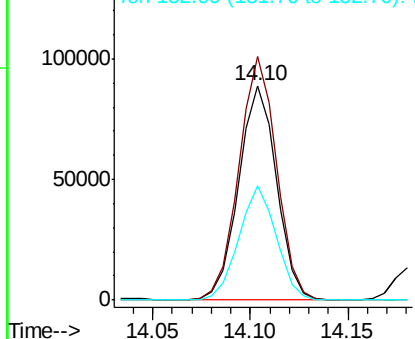


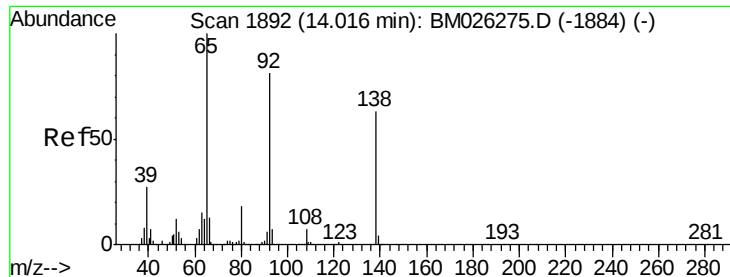
#52
Acenaphthene
Concen: 7.579 ng
RT: 14.10 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion:154 Resp: 119626
Ion Ratio Lower Upper
154 100
153 113.4 88.6 132.8
152 53.2 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: 5.749 ng

RT: 13.96 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

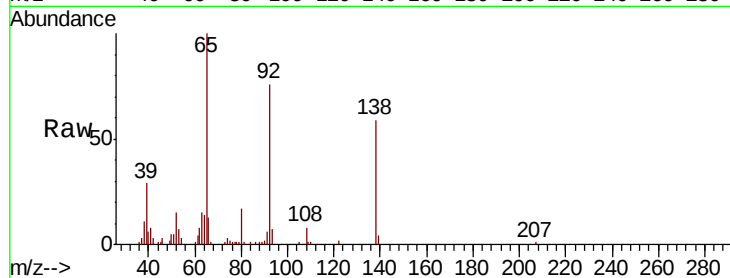
Tot Ion:138 Resp: 29659

Ion Ratio Lower Upper

138 100

108 13.6 9.4 14.0

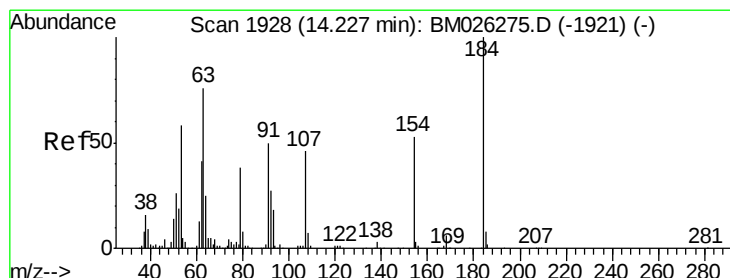
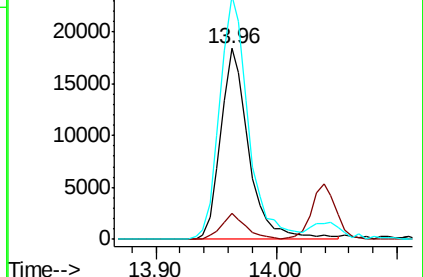
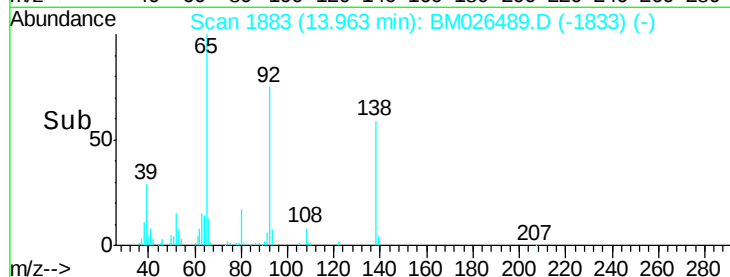
92 127.5 105.4 158.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BM



#54

2,4-Dinitrophenol

Concen: 13.565 ng

RT: 14.19 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

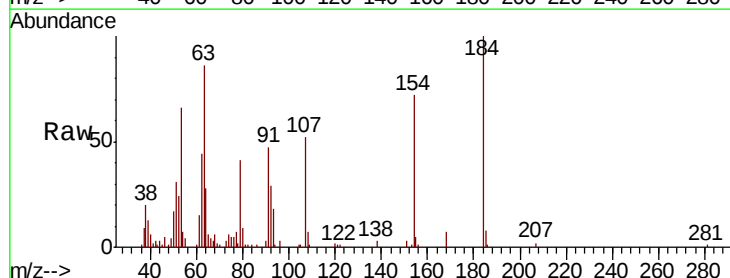
Tgt Ion:184 Resp: 38195

Ion Ratio Lower Upper

184 100

63 86.4 61.8 92.6

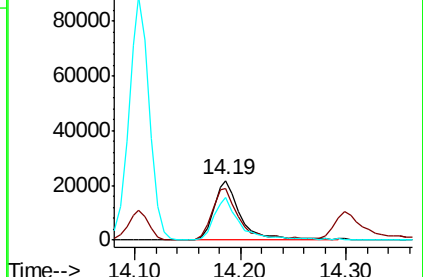
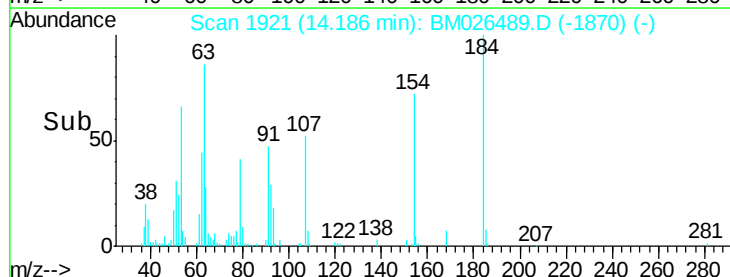
154 71.5 53.1 79.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 7.778 ng

RT: 14.44 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

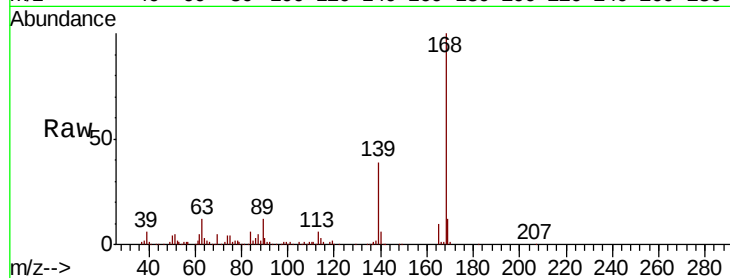
Tot Ion:168 Resp: 197802

Ion Ratio Lower Upper

168 100

139 39.3 31.4 47.0

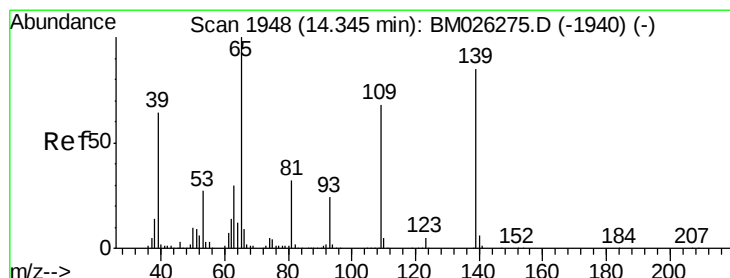
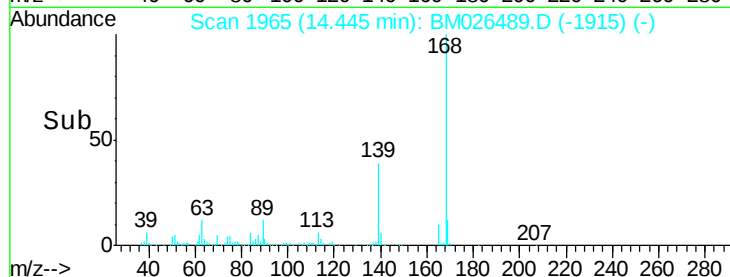
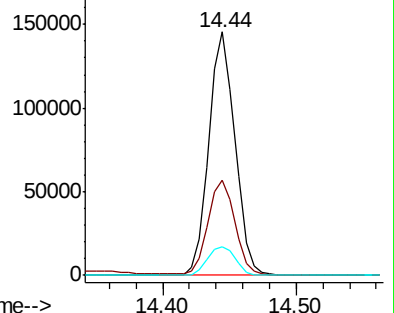
169 11.6 10.7 16.1



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: 12.433 ng

RT: 14.30 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

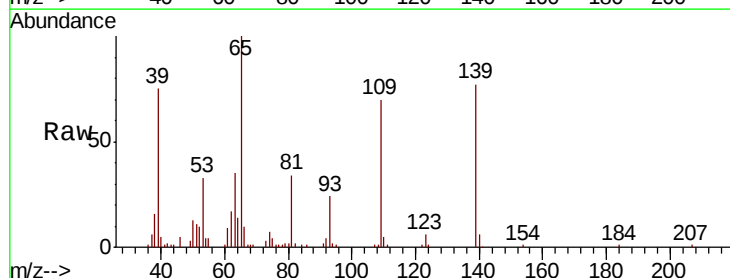
Tgt Ion:139 Resp: 50865

Ion Ratio Lower Upper

139 100

109 90.6 64.9 104.9

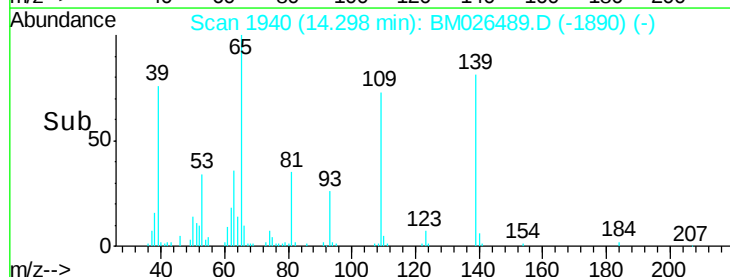
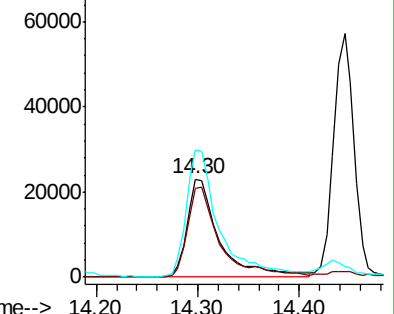
65 130.0 98.1 138.1

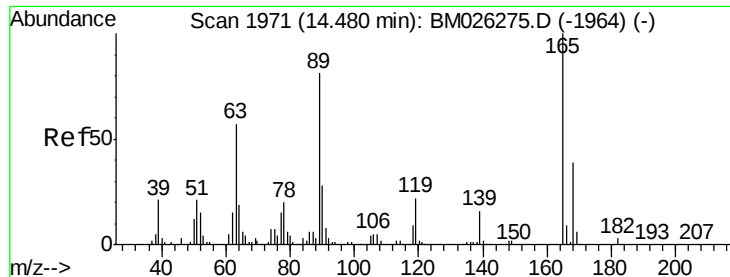


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

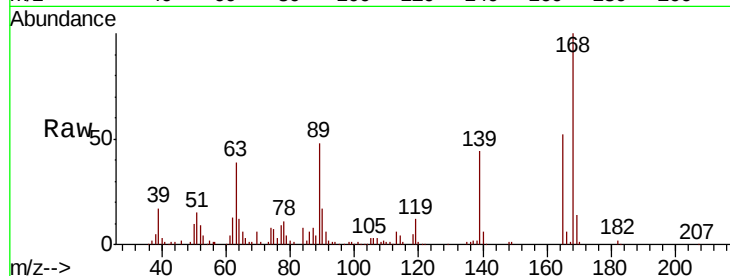




#57
2,4-Dinitrotoluene
Concen: 7.168 ng
RT: 14.43 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	73.9	48.1	72.1#
89	91.5	65.6	98.4
182	3.1	2.7	4.1



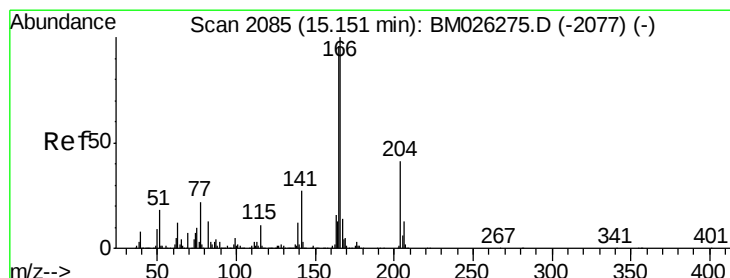
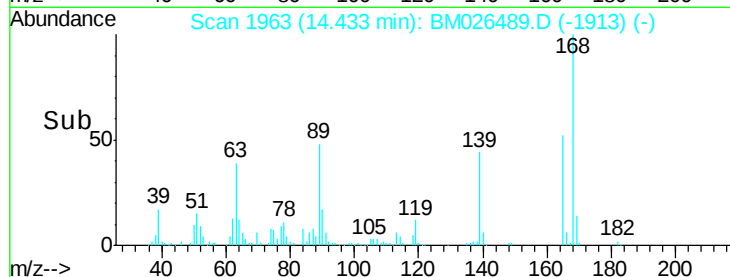
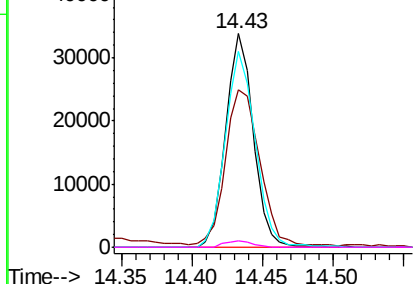
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

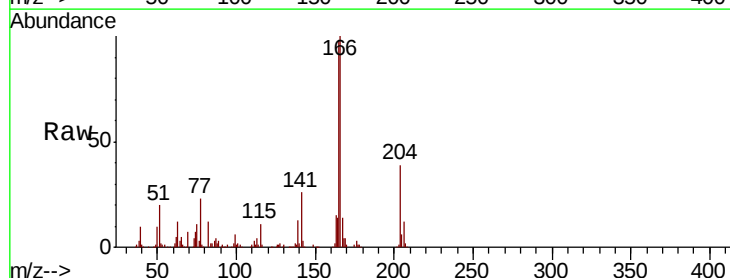
Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 7.525 ng
RT: 15.10 min Scan# 2076
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.5	116.3
167	13.8	10.9	16.3

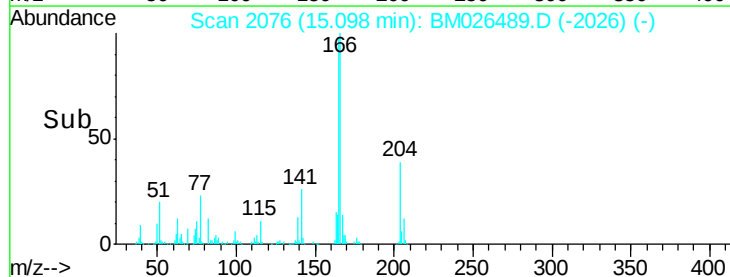
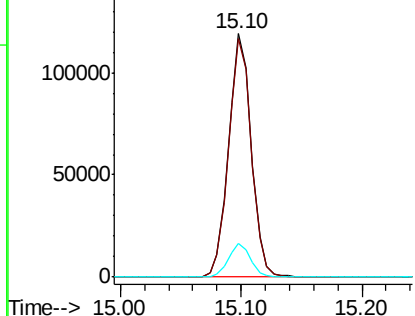


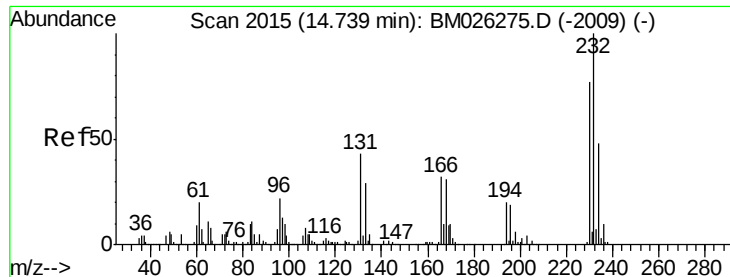
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

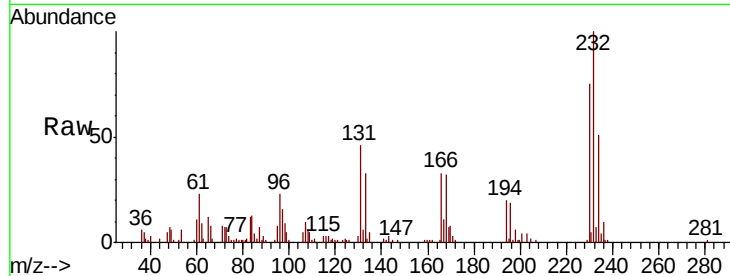




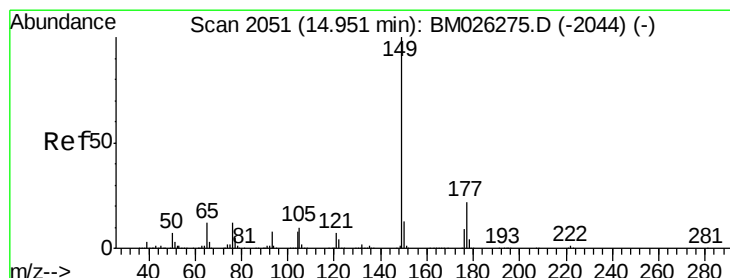
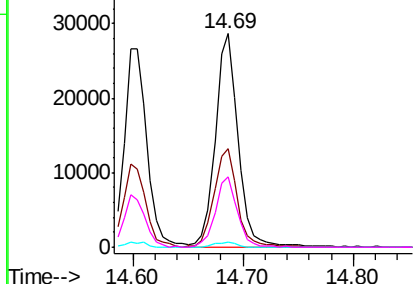
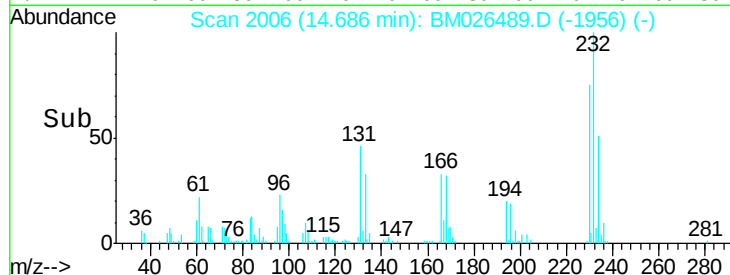
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.449 ng
 RT: 14.69 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion:232	Resp:	41131
Ion Ratio	Lower	Upper
232	100	
131	47.0	36.4 54.6
130	2.2	2.0 3.0
166	31.5	24.8 37.2

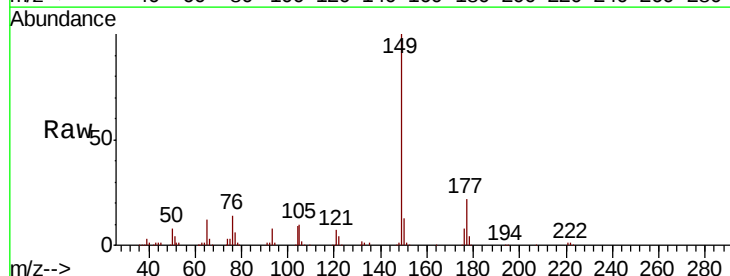


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

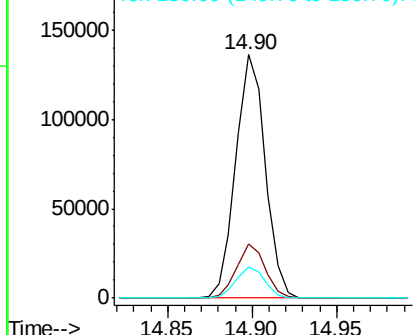
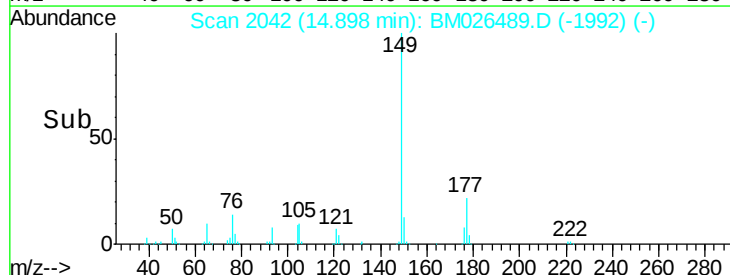


#60
 Diethylphthalate
 Concen: 7.727 ng
 RT: 14.90 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Tgt Ion:149	Resp:	166171
Ion Ratio	Lower	Upper
149	100	
177	22.2	17.6 26.4
150	12.8	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

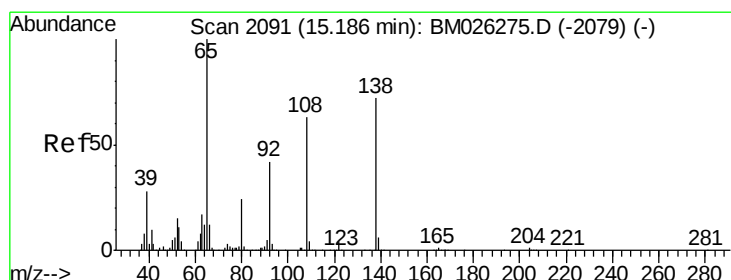
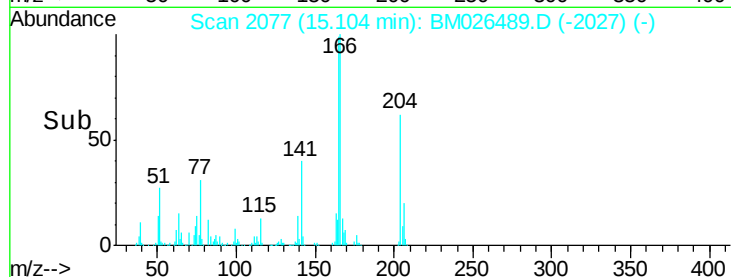
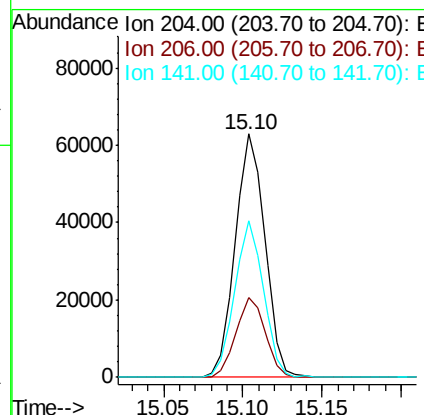
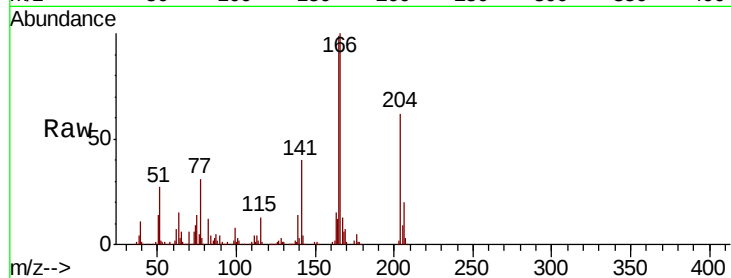




#61
4-Chlorophenyl-phenylether
Concen: 7.447 ng
RT: 15.10 min Scan# 2077
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

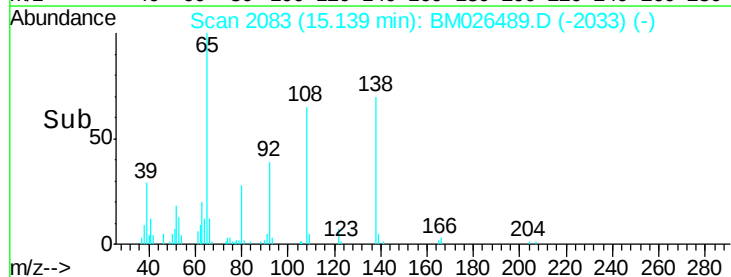
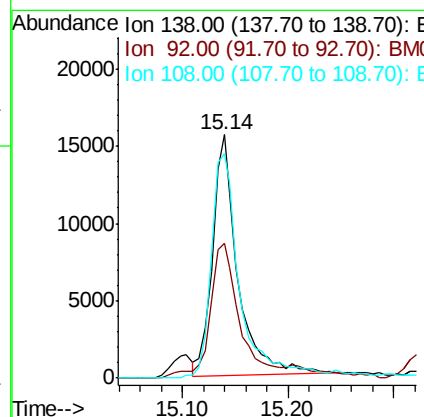
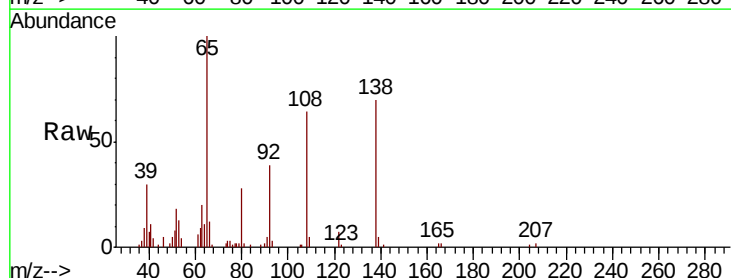
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

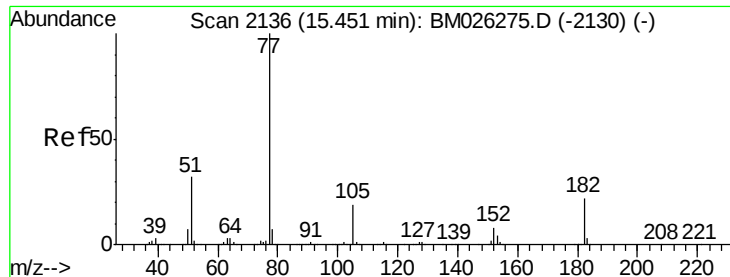
Tot Ion:204 Resp: 81597
Ion Ratio Lower Upper
204 100
206 33.0 26.6 40.0
141 64.5 49.4 74.2



#62
4-Nitroaniline
Concen: 4.799 ng
RT: 15.14 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion:138 Resp: 26403
Ion Ratio Lower Upper
138 100
92 55.4 37.5 77.5
108 92.4 66.3 106.3

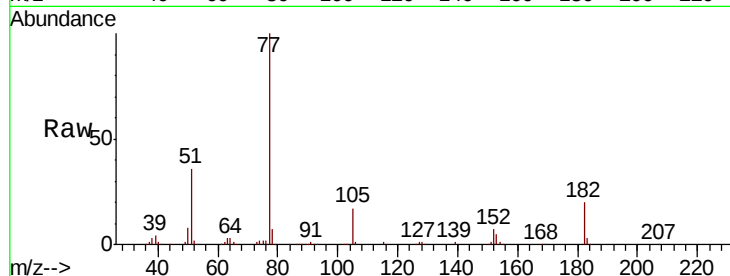




#63
Azobenzene
Concen: 7.780 ng
RT: 15.40 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
77	100		
182	20.4	2.1	42.1
105	17.3	0.0	38.3
51	35.8	13.5	53.5

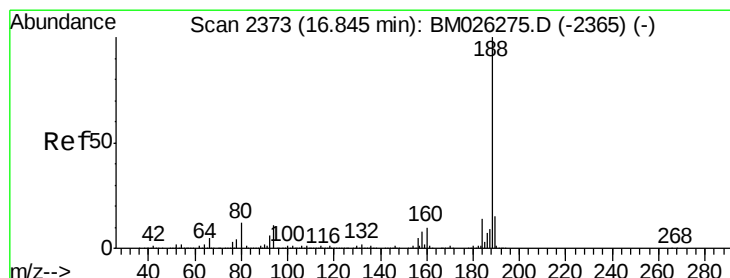
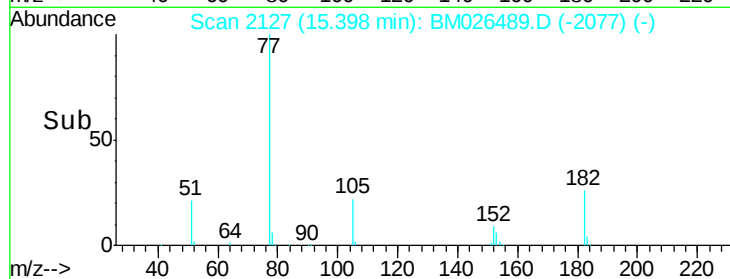
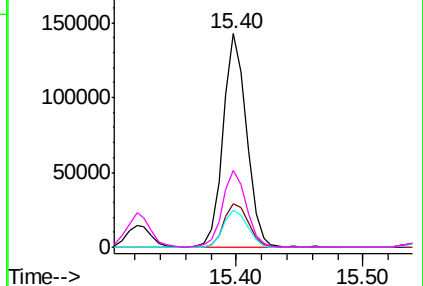


Abundance Ion 77.00 (76.70 to 77.70): BM026275.D (-2130) (-)

Ion 182.00 (181.70 to 182.70): BM026275.D (-2130) (-)

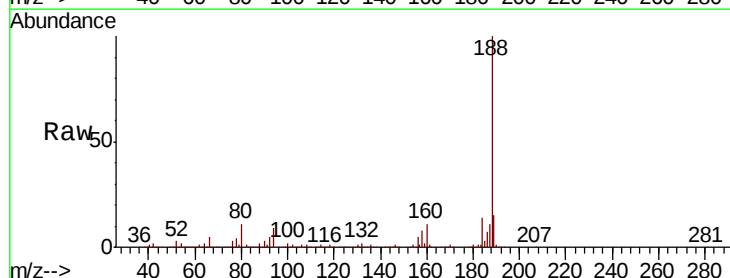
Ion 105.00 (104.70 to 105.70): BM026275.D (-2130) (-)

Ion 51.00 (50.70 to 51.70): BM026275.D (-2130) (-)



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.80 min Scan# 2365
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

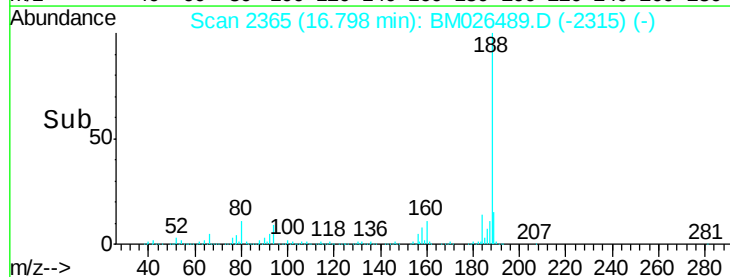
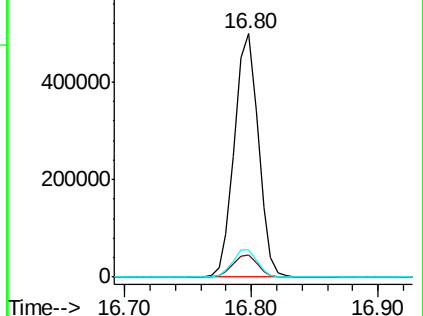
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.8	11.6
80	11.3	9.5	14.3

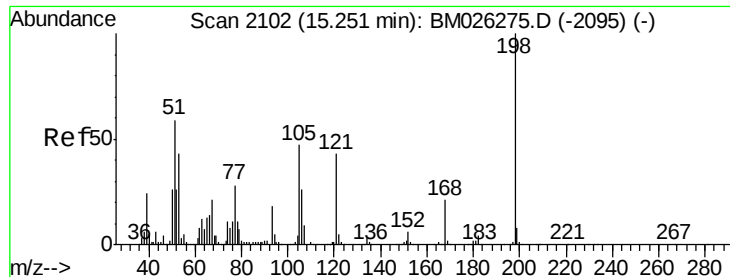


Abundance Ion 188.00 (187.70 to 188.70): BM026275.D (-2365) (-)

Ion 94.00 (93.70 to 94.70): BM026275.D (-2365) (-)

Ion 80.00 (79.70 to 80.70): BM026275.D (-2365) (-)





#65

4,6-Dinitro-2-methylphenol

Concen: 5.846 ng

RT: 15.21 min Scan# 2095

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

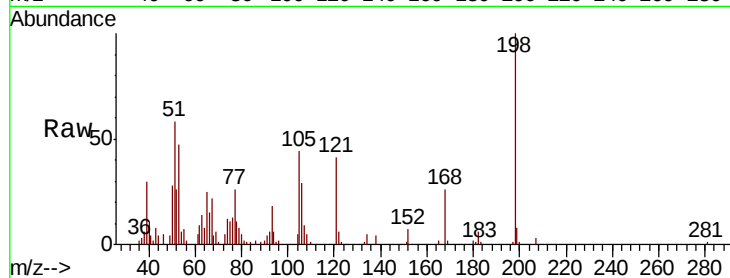
BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:198 Resp: 23220

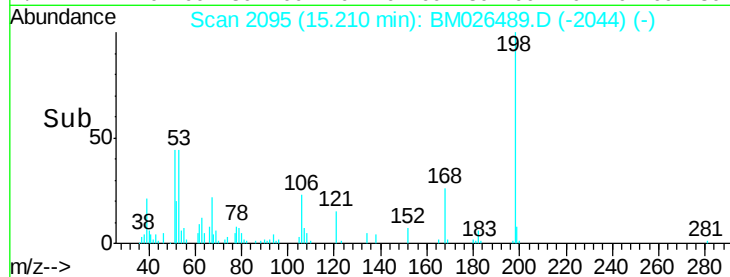
Ion	Ratio	Lower	Upper
198	100		
51	58.3	35.6	75.6
105	44.0	24.3	64.3



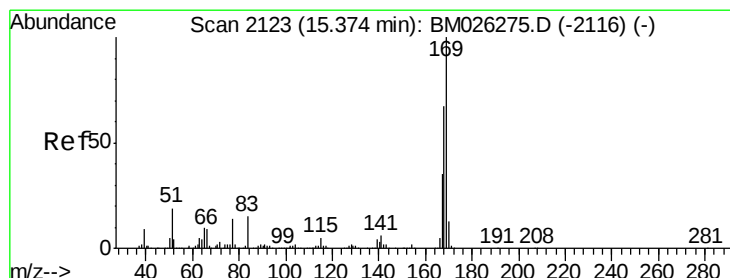
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

n-Nitrosodiphenylamine

Concen: 7.294 ng

RT: 15.32 min Scan# 2114

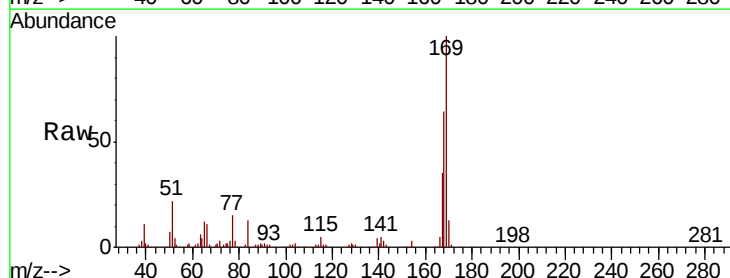
Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Tgt Ion:169 Resp: 138001

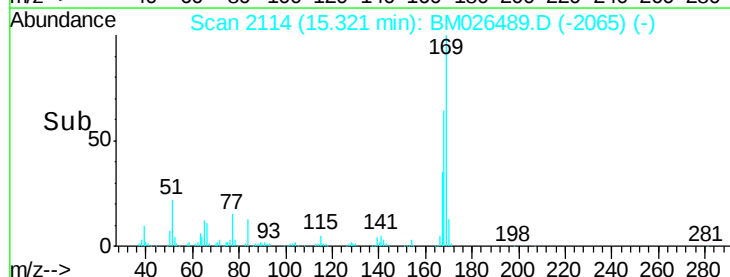
Ion	Ratio	Lower	Upper
169	100		
168	64.3	51.6	77.4
167	34.9	28.2	42.4



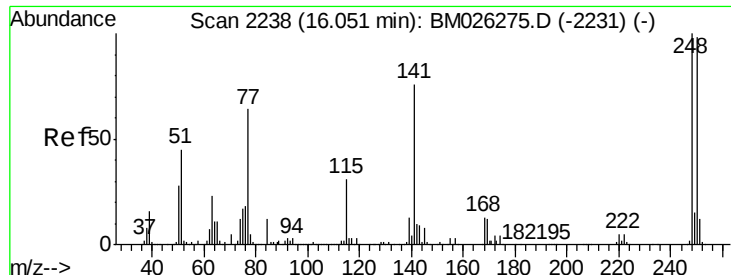
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



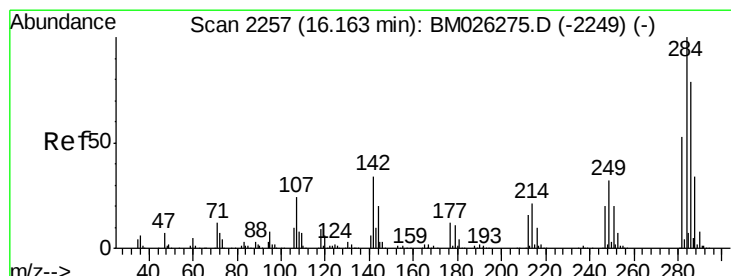
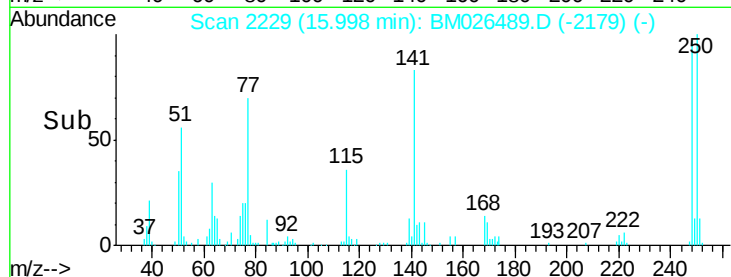
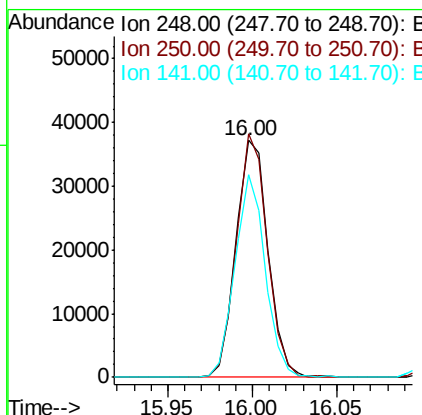
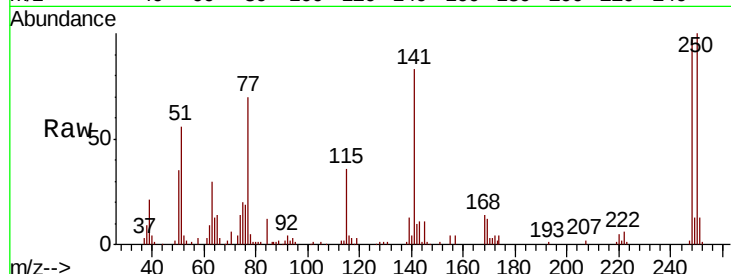
Time-->



#67
 4-Bromophenyl-phenylether
 Concen: 6.838 ng
 RT: 16.00 min Scan# 2229
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

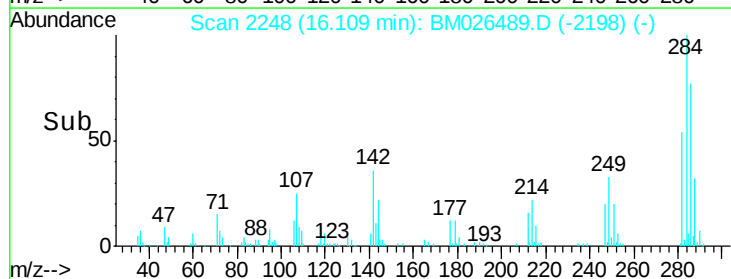
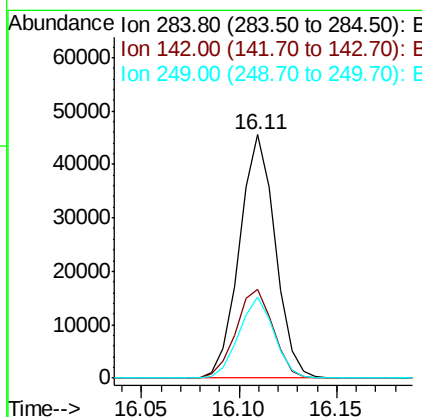
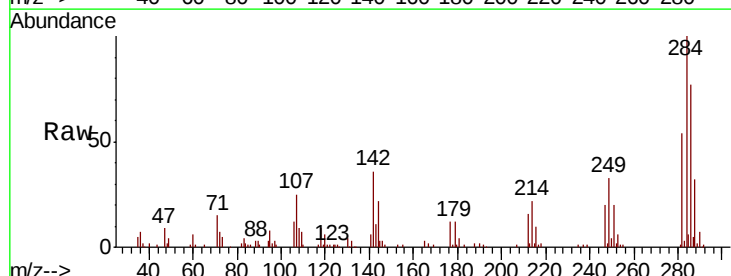
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

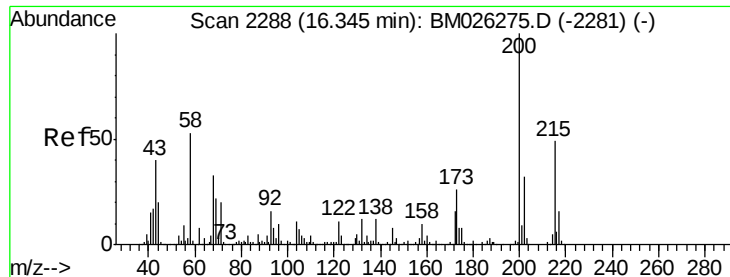
Tot Ion:248 Resp: 49166
 Ion Ratio Lower Upper
 248 100
 250 102.7 78.4 117.6
 141 85.3 60.6 91.0



#68
 Hexachlorobenzene
 Concen: 7.718 ng
 RT: 16.11 min Scan# 2248
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Tgt Ion:284 Resp: 57904
 Ion Ratio Lower Upper
 284 100
 142 36.3 29.1 43.7
 249 33.1 27.2 40.8

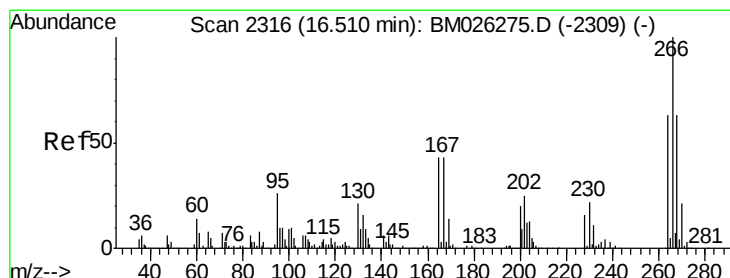
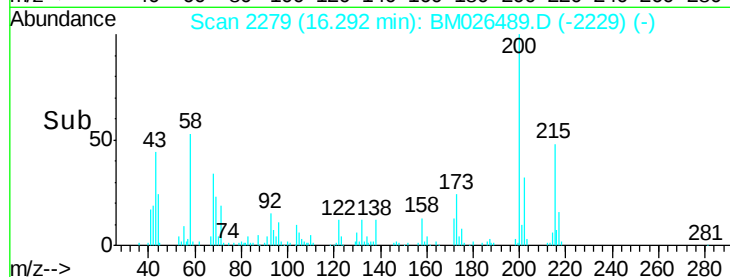
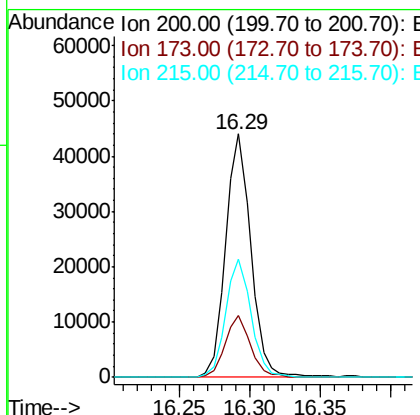
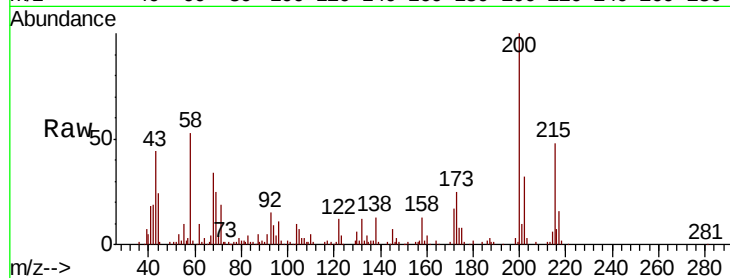




#69
Atrazine
Concen: 9.732 ng
RT: 16.29 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

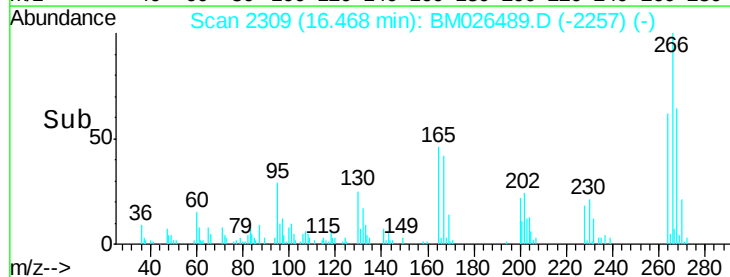
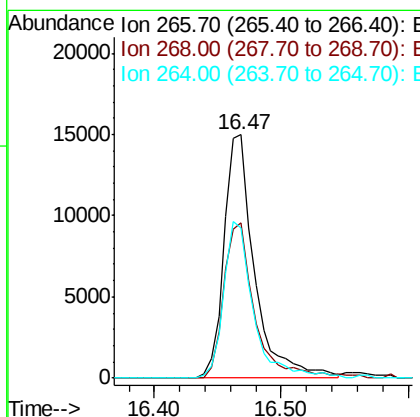
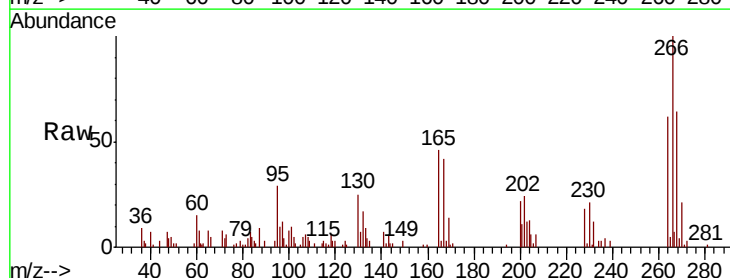
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

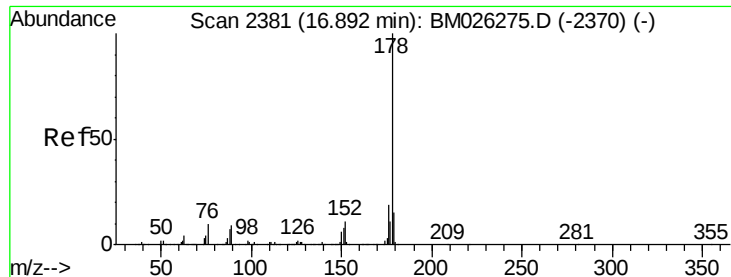
Tot Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.6	46.6
215	48.3	29.8	69.8



#70
Pentachlorophenol
Concen: 5.543 ng
RT: 16.47 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.2	75.4
264	61.6	50.6	75.8

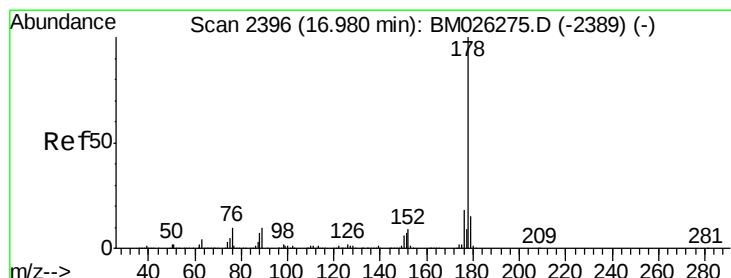
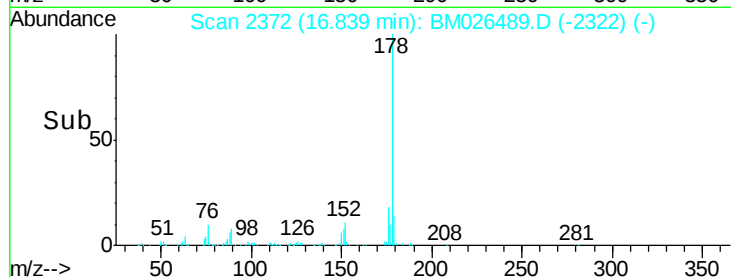
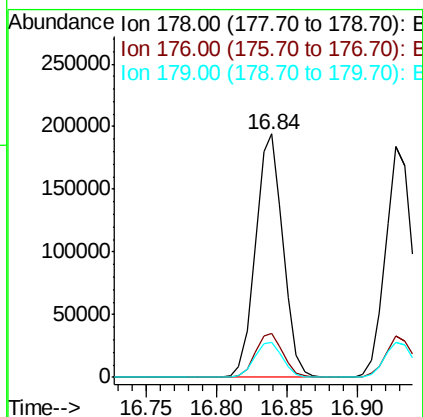
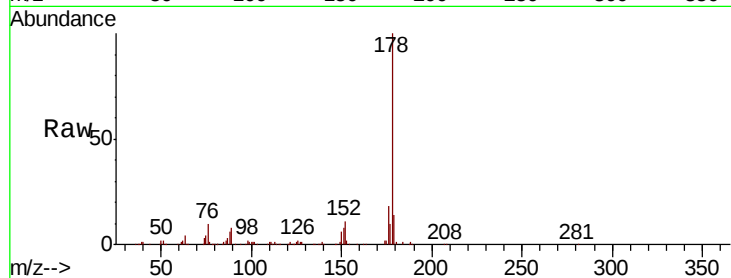




#71
Phenanthrene
Concen: 7.801 ng
RT: 16.84 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

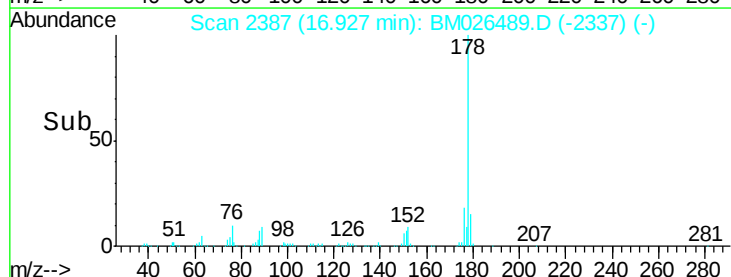
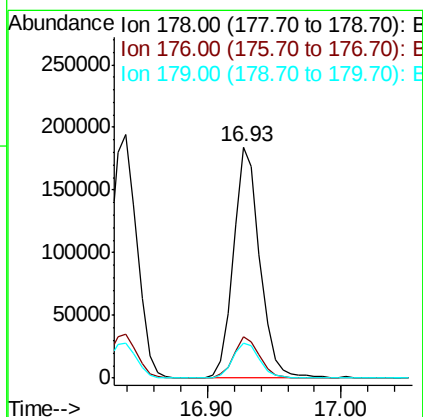
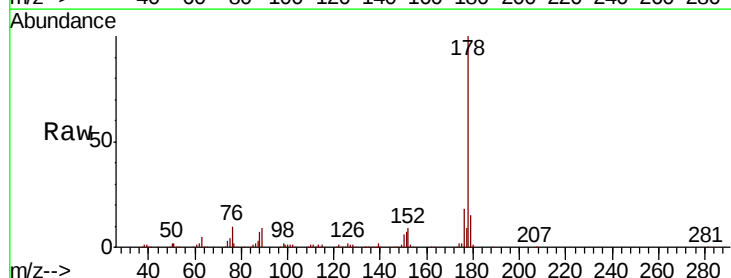
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

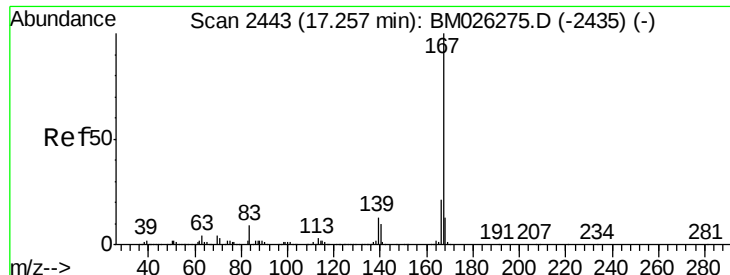
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	14.2	12.3	18.5



#72
Anthracene
Concen: 7.383 ng
RT: 16.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.5	21.7
179	15.0	12.3	18.5





#73

Carbazole

Concen: 7.049 ng

RT: 17.21 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

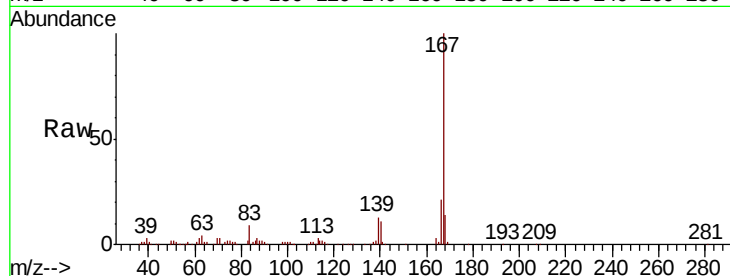
Tot Ion:167 Resp: 226909

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

17.21

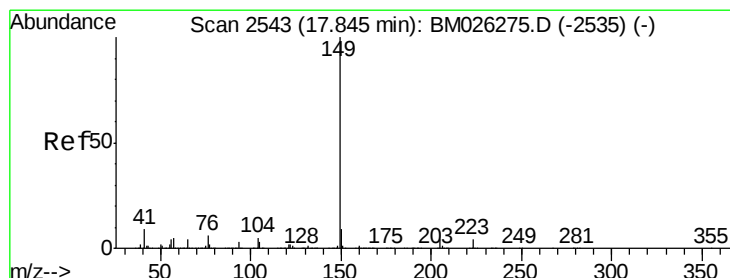
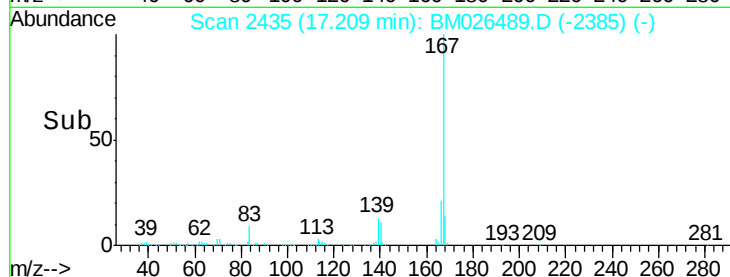
150000

100000

50000

0

Time--> 17.10 17.20 17.30



#74

Di-n-butylphthalate

Concen: 7.301 ng

RT: 17.79 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

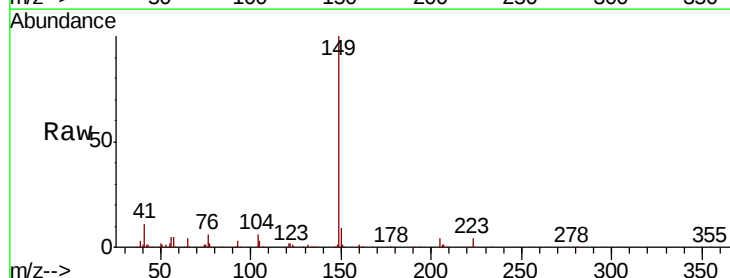
Tgt Ion:149 Resp: 277176

Ion Ratio Lower Upper

149 100

150 8.8 7.1 10.7

104 5.9 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

17.79

300000

250000

200000

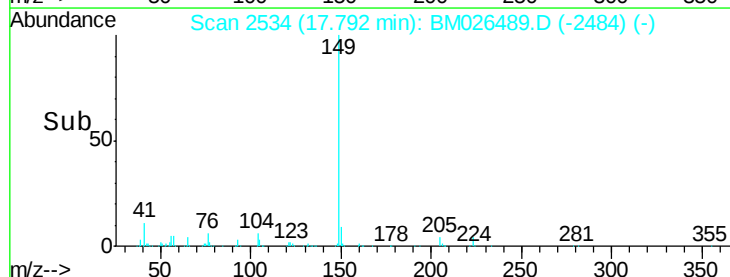
150000

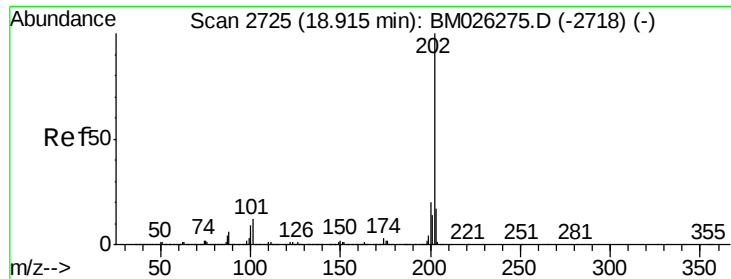
100000

50000

0

Time--> 17.75 17.80 17.85





#75

Fluoranthene

Concen: 8.023 ng

RT: 18.87 min Scan# 2717

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

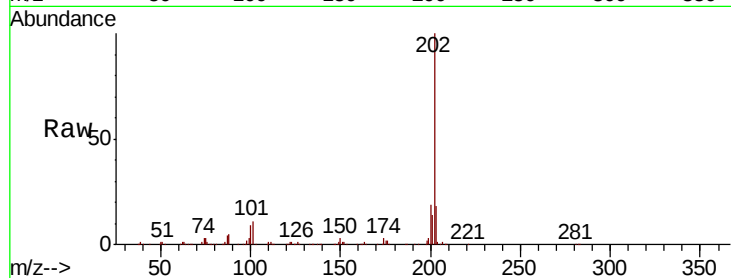
Tot Ion:202 Resp: 312865

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.9

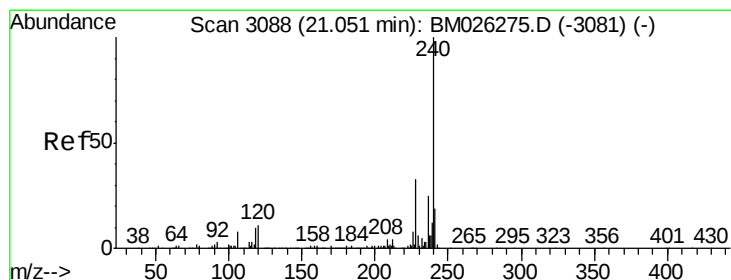
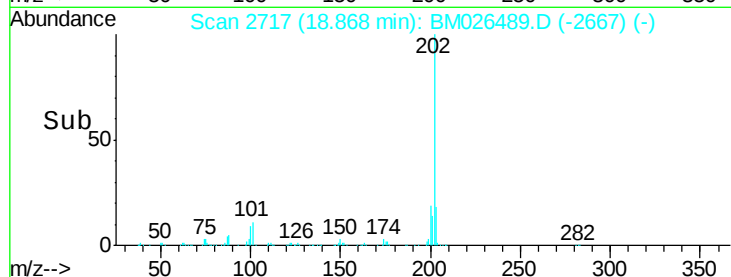
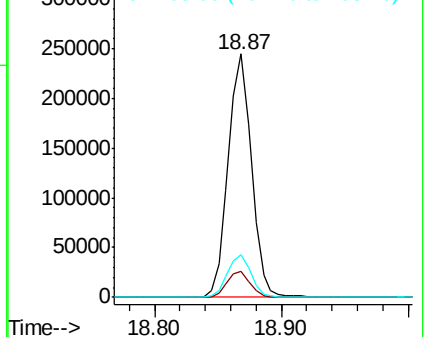
203 17.6 0.0 37.5



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: BM026489.D

Acq: 22 Jun 2020 14:18

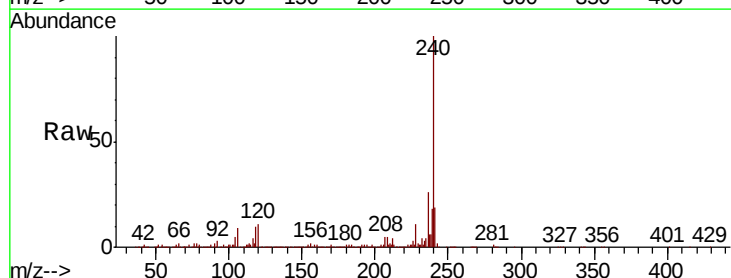
Tgt Ion:240 Resp: 691589

Ion Ratio Lower Upper

240 100

120 10.9 9.3 13.9

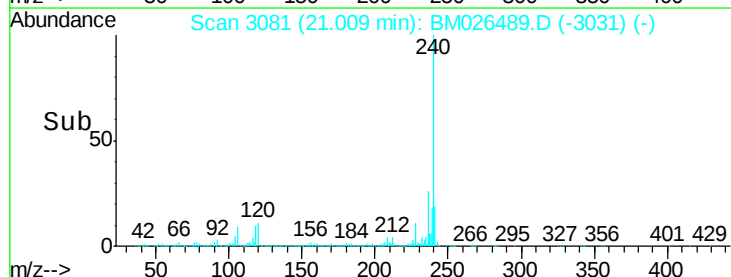
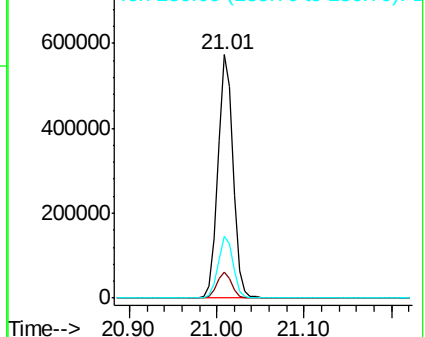
236 25.6 19.4 29.0

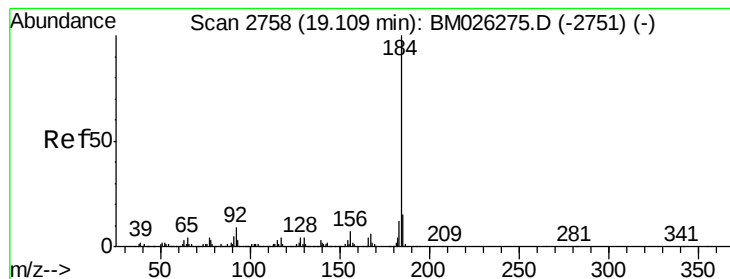


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.692 ng

RT: 19.07 min Scan# 2752

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

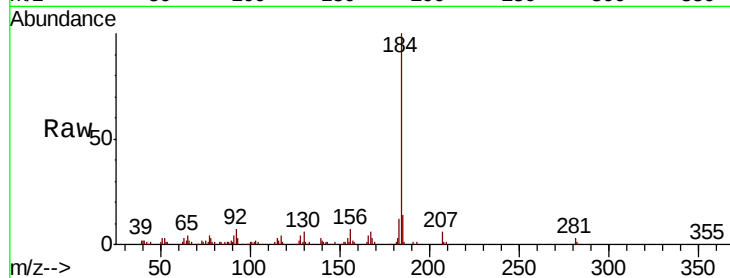
Tot Ion:184 Resp: 96128

Ion Ratio Lower Upper

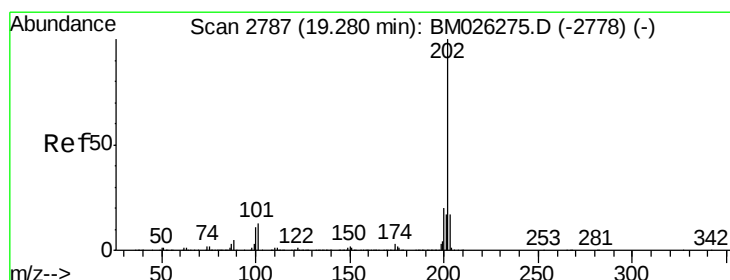
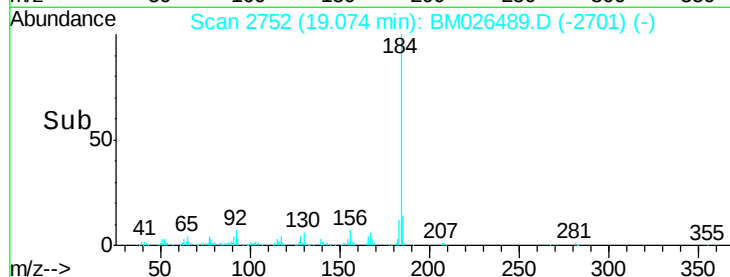
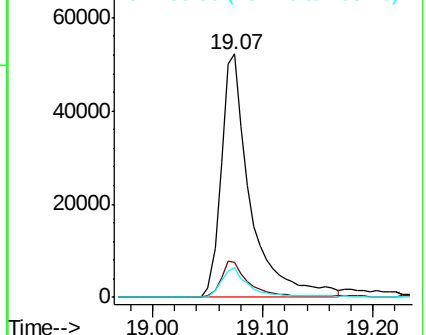
184 100

185 14.2 11.2 16.8

183 12.2 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: 7.135 ng

RT: 19.23 min Scan# 2779

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

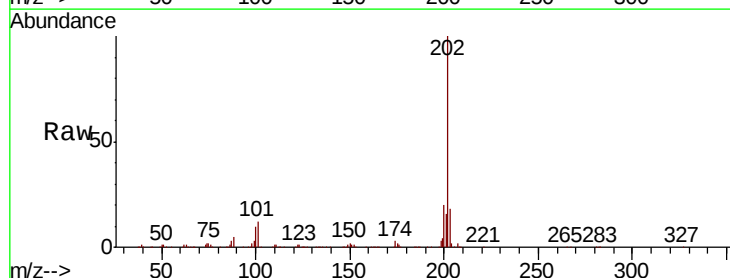
Tgt Ion:202 Resp: 326046

Ion Ratio Lower Upper

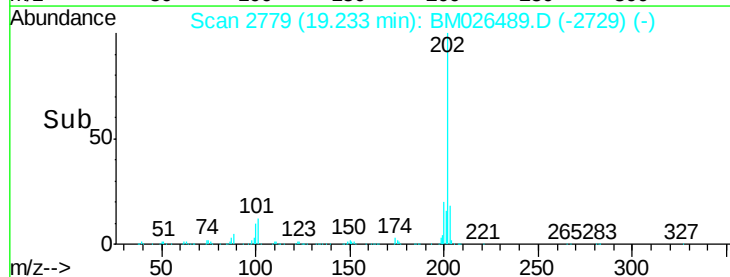
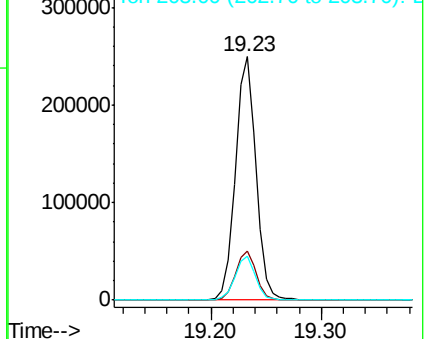
202 100

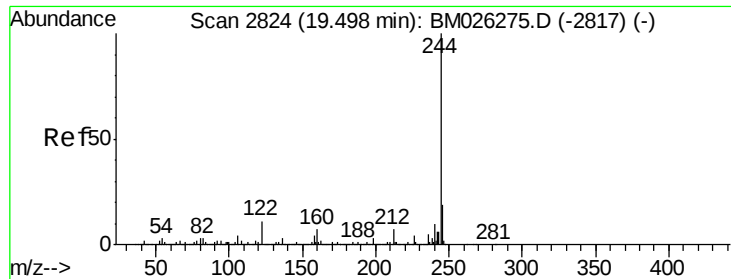
200 20.1 16.3 24.5

203 17.8 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: 112.274 ng

RT: 19.46 min Scan# 2818

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

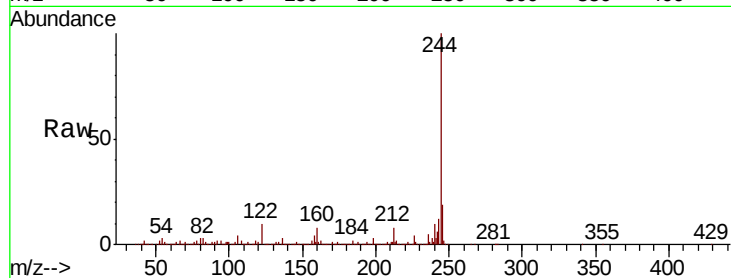
BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

Tot Ion:244 Resp: 4000026

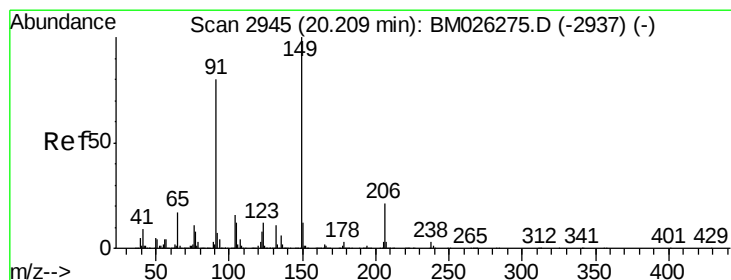
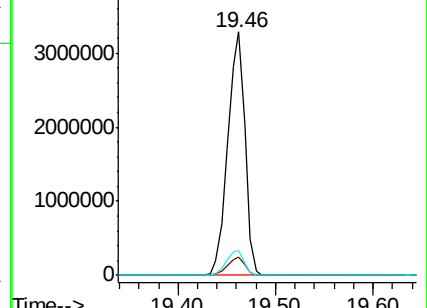
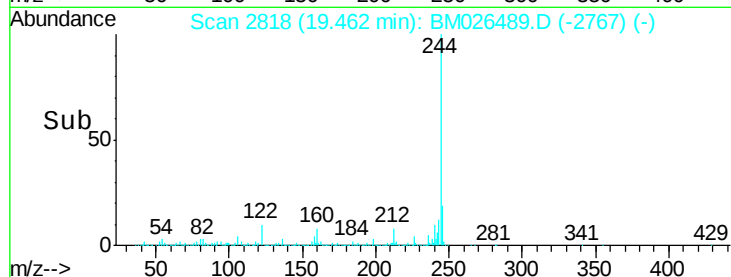
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	10.4	8.6	13.0



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: 6.786 ng

RT: 20.17 min Scan# 2938

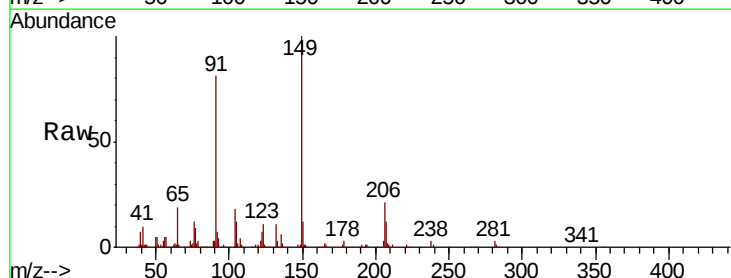
Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Tgt Ion:149 Resp: 125397

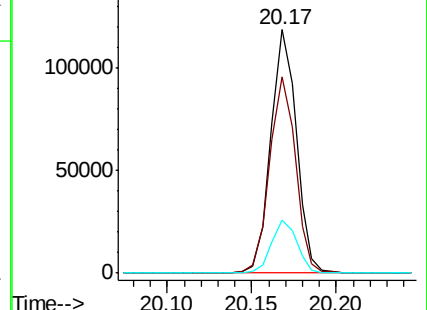
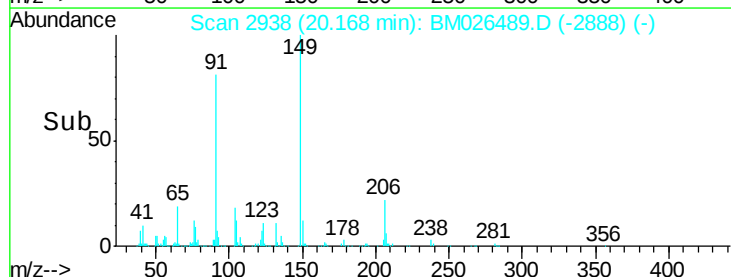
Ion	Ratio	Lower	Upper
149	100		
91	80.9	64.6	97.0
206	21.5	17.6	26.4

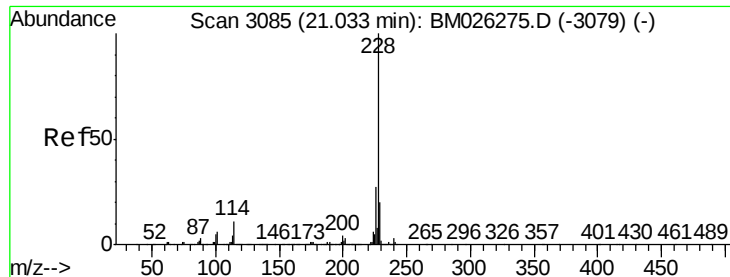


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 8.060 ng

RT: 21.00 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

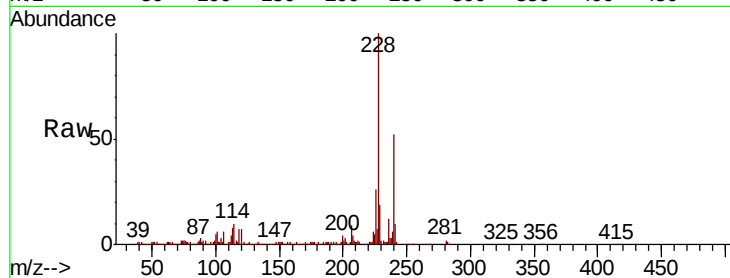
Tot Ion:228 Resp: 334569

Ion Ratio Lower Upper

228 100

226 26.2 21.1 31.7

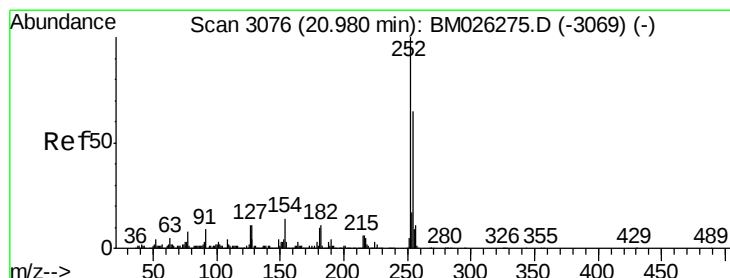
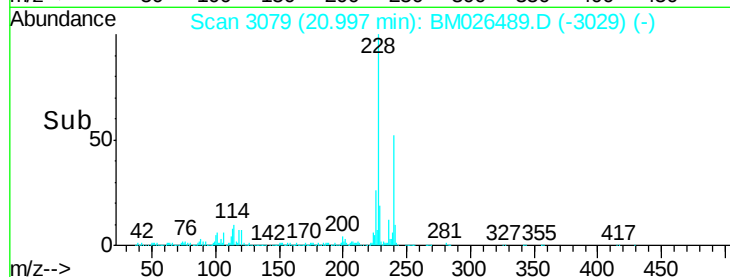
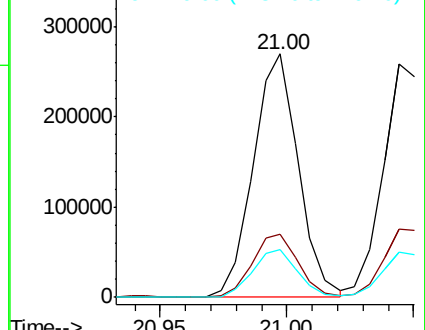
229 19.4 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 8.982 ng

RT: 20.94 min Scan# 3070

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

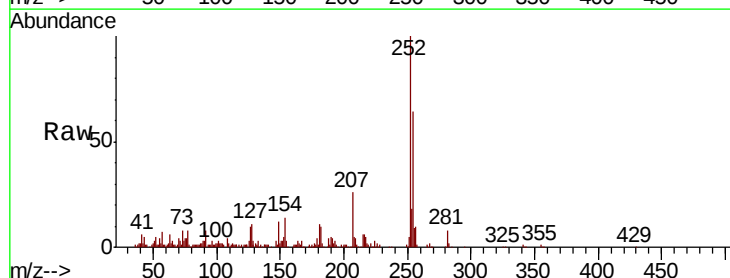
Tgt Ion:252 Resp: 115365

Ion Ratio Lower Upper

252 100

254 63.7 51.0 76.6

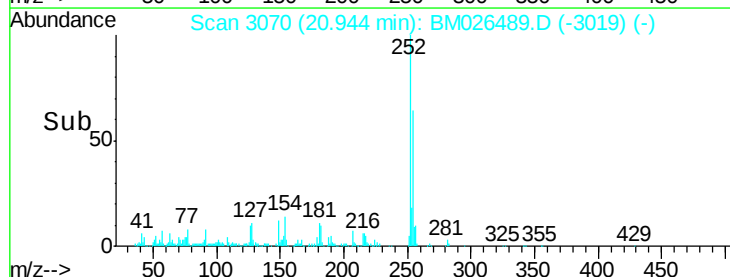
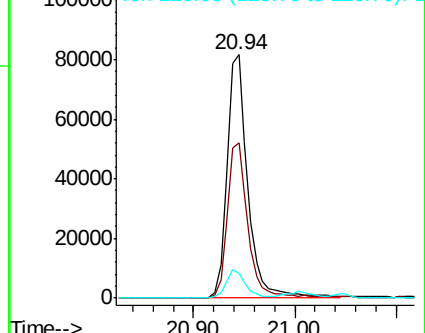
126 10.2 9.2 13.8

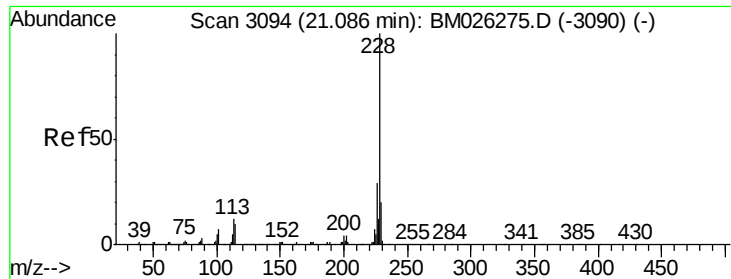


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 8.166 ng

RT: 21.04 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

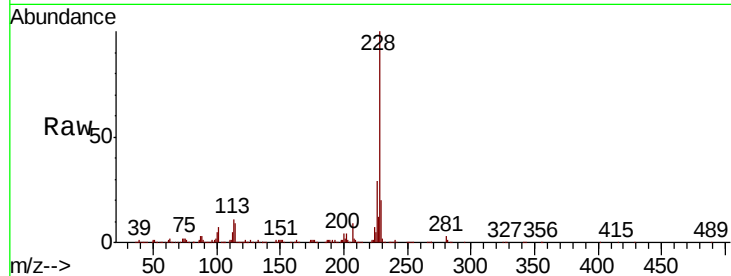
Tot Ion:228 Resp: 323058

Ion Ratio Lower Upper

228 100

226 29.1 23.8 35.6

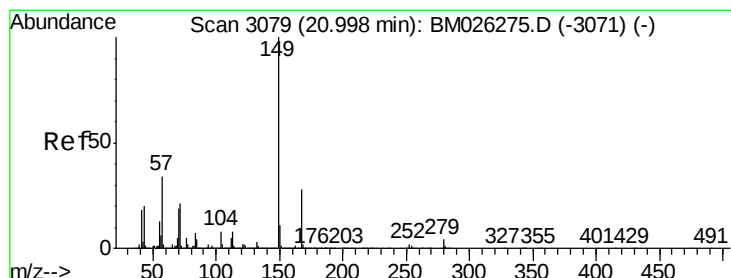
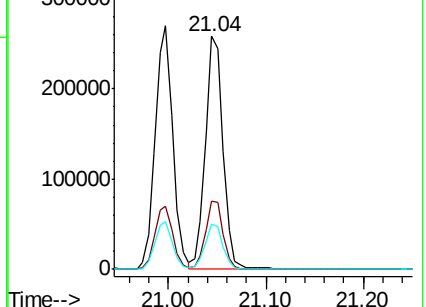
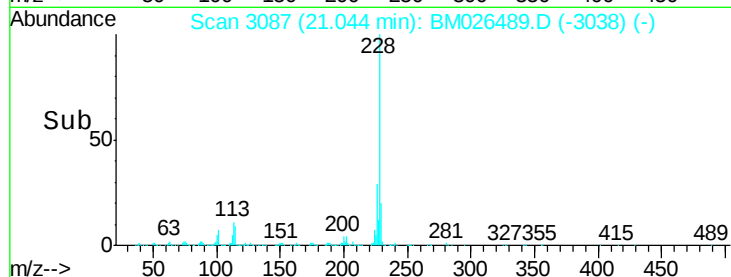
229 19.7 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.504 ng

RT: 20.96 min Scan# 3073

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

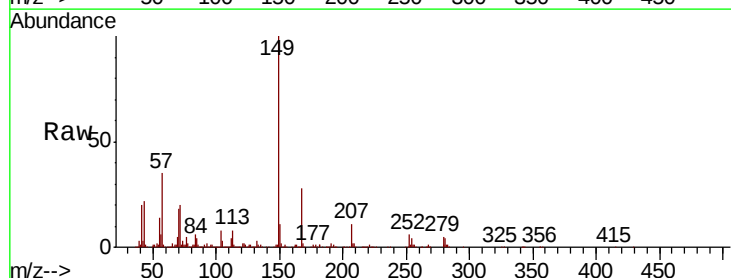
Tgt Ion:149 Resp: 197729

Ion Ratio Lower Upper

149 100

167 27.5 22.0 33.0

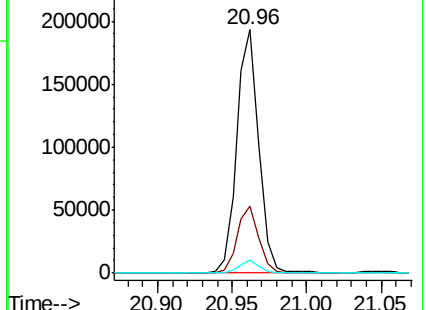
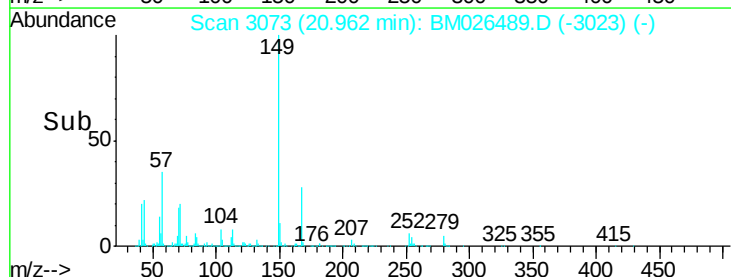
279 5.2 3.7 5.5

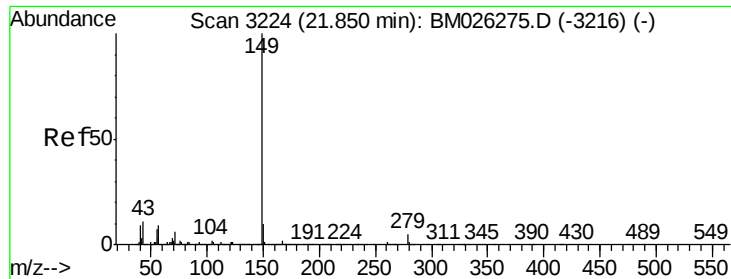


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 7.949 ng

RT: 21.81 min Scan# 3217

Delta R.T. -0.00 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT2-2020

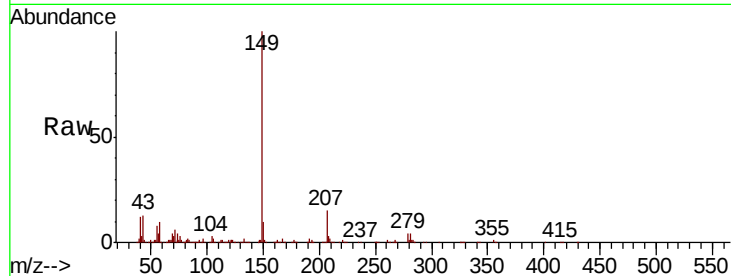
Tot Ion:149 Resp: 323114

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

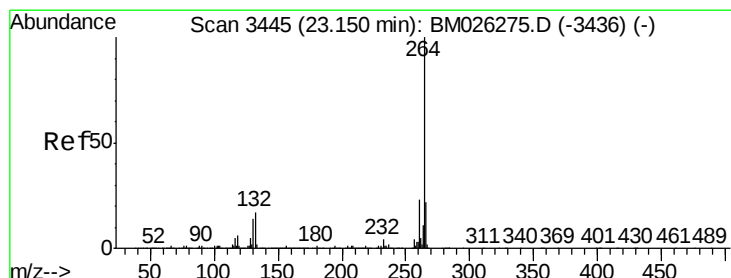
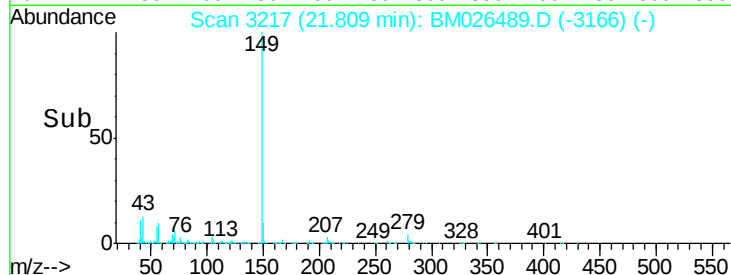
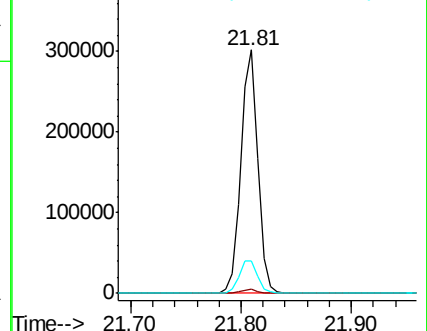
43 14.7 10.3 15.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.10 min Scan# 3436

Delta R.T. -0.01 min

Lab File: BM026489.D

Acq: 22 Jun 2020 14:18

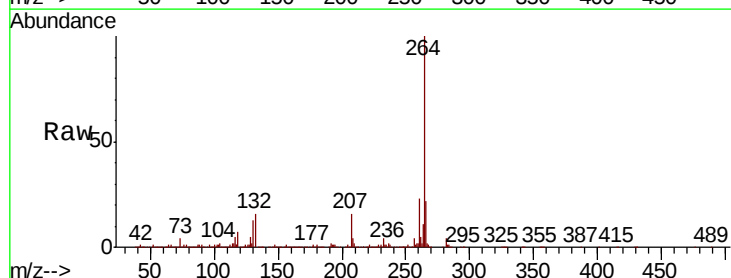
Tgt Ion:264 Resp: 693250

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

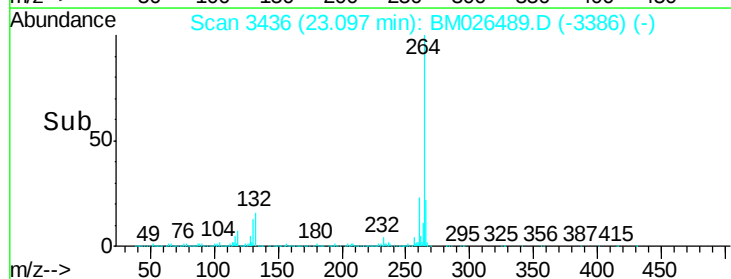
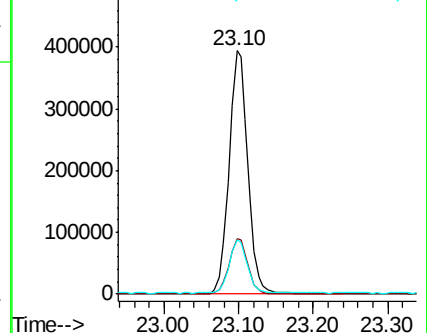
265 22.0 17.8 26.6

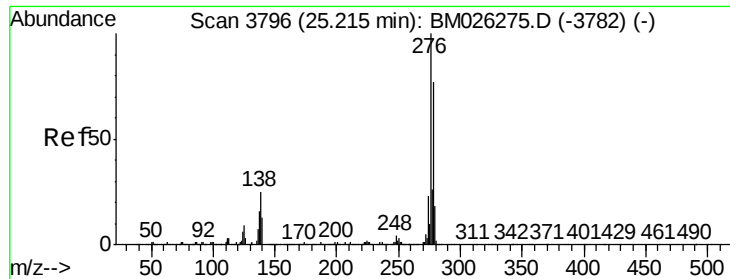


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

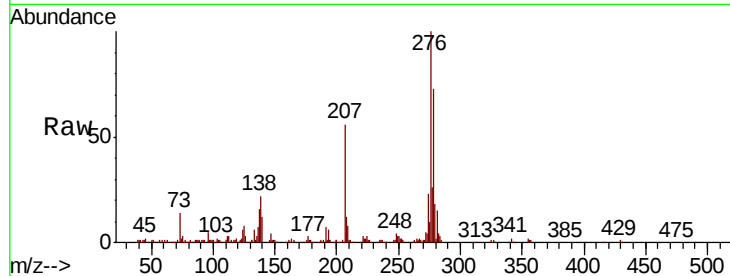




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.378 ng
 RT: 25.13 min Scan# 3782
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.0	28.6
277	25.6	20.2	30.4



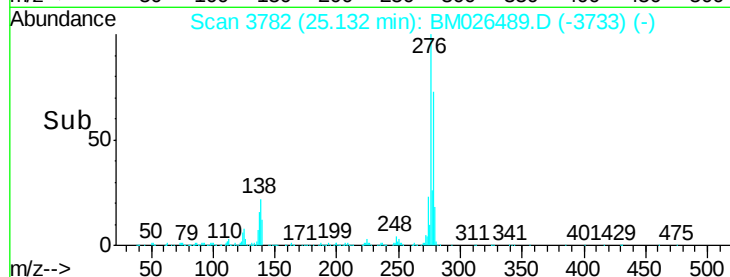
Abundance

Ion 276.00 (275.70 to 276.70): E

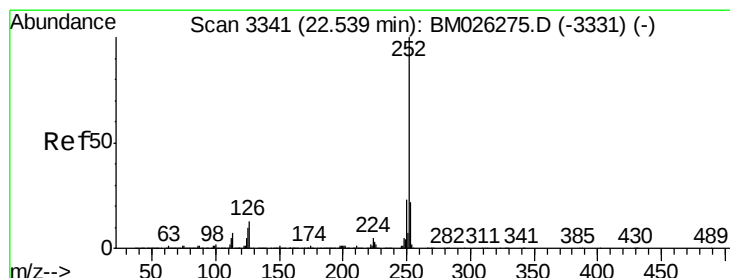
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

25.13

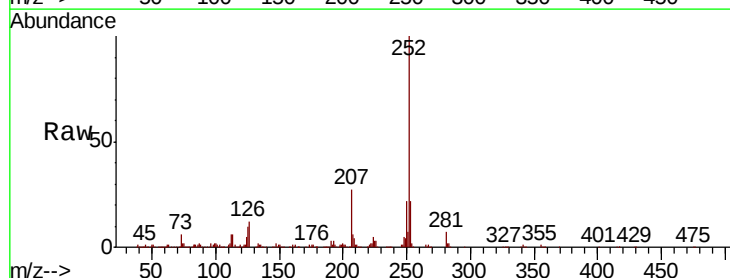


Time-->



#88
 Benzo(b)fluoranthene
 Concen: 7.611 ng
 RT: 22.49 min Scan# 3332
 Delta R.T. -0.01 min
 Lab File: BM026489.D
 Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.2	8.0	12.0



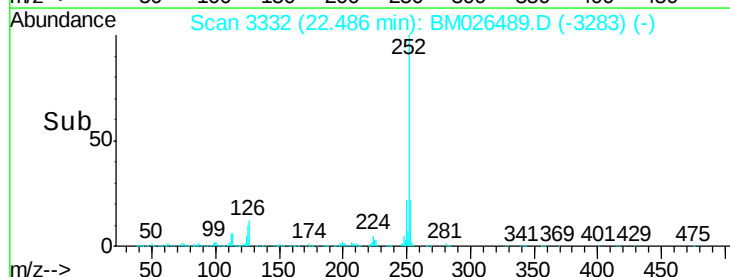
Abundance

Ion 252.00 (251.70 to 252.70): E

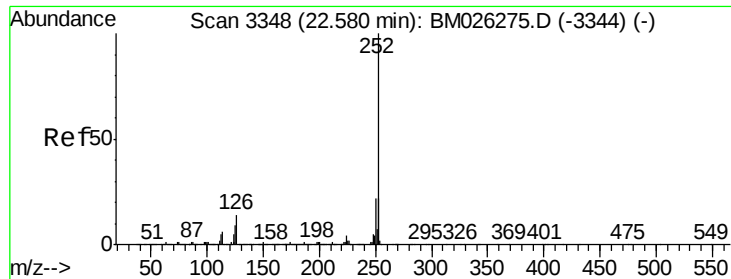
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

22.49



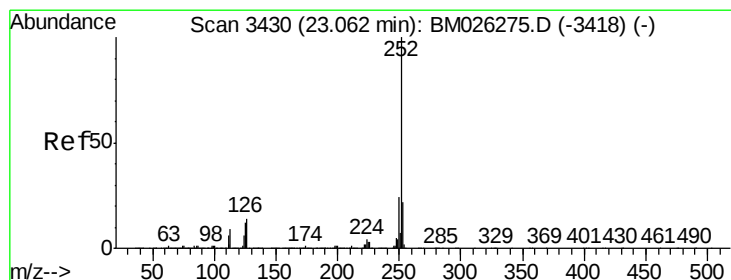
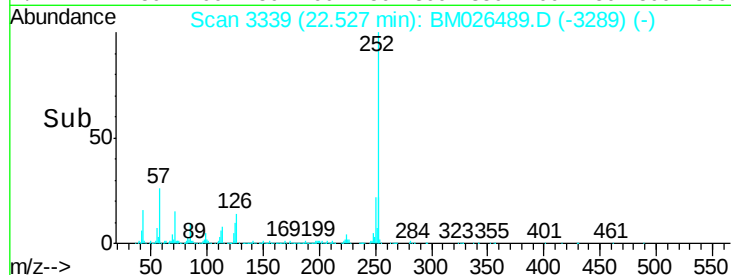
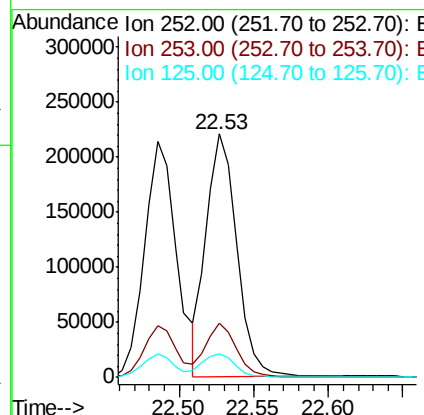
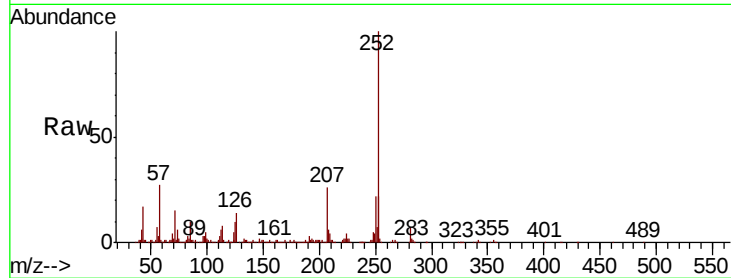
Time-->



#89
Benzo(k)fluoranthene
Concen: 7.731 ng
RT: 22.53 min Scan# 3339
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

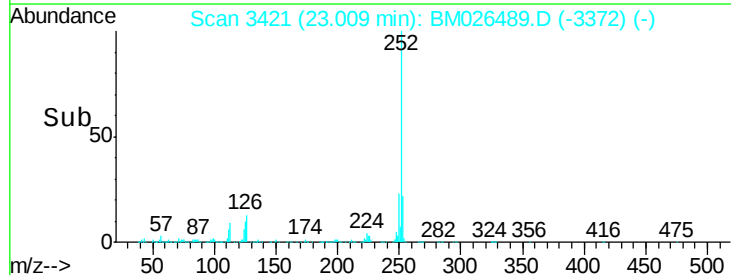
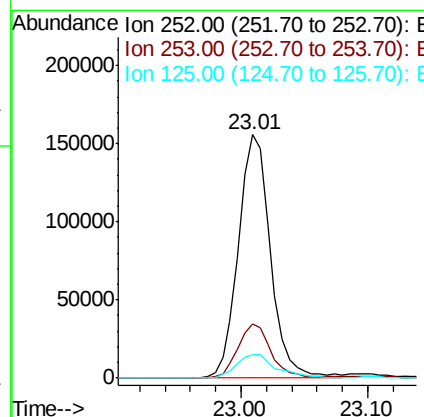
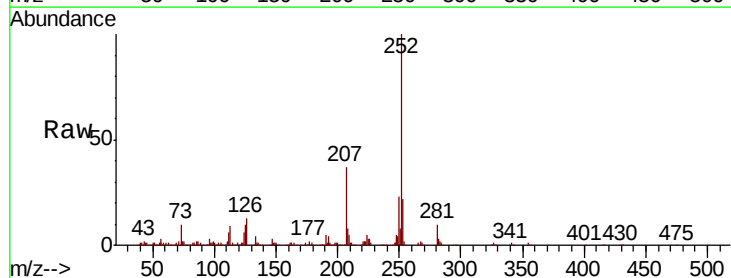
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

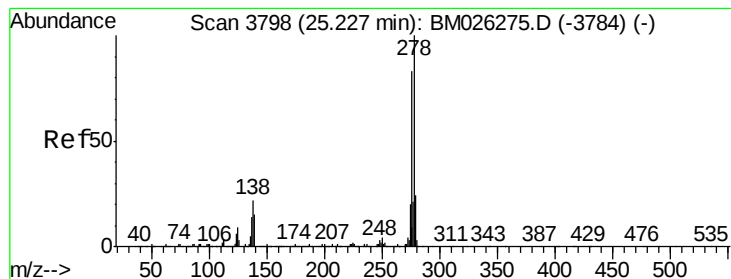
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	9.9	7.8	11.8



#90
Benzo(a)pyrene
Concen: 7.331 ng
RT: 23.01 min Scan# 3421
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	9.9	8.6	12.8

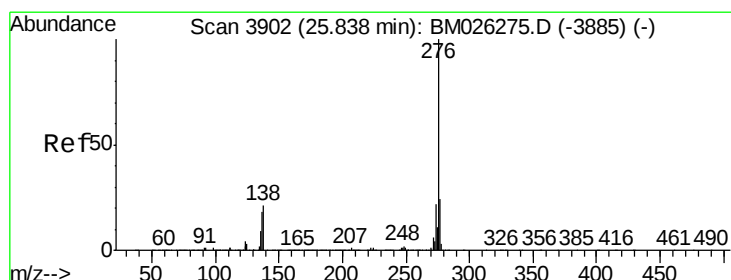
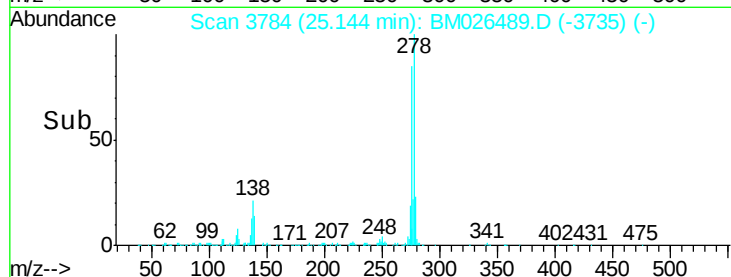
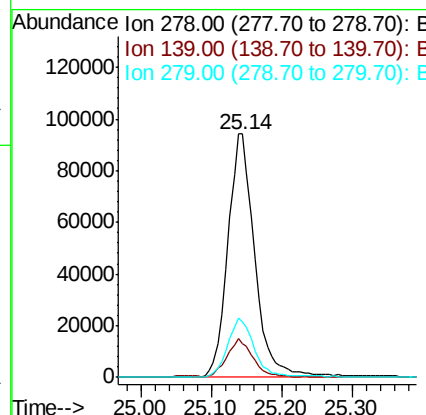
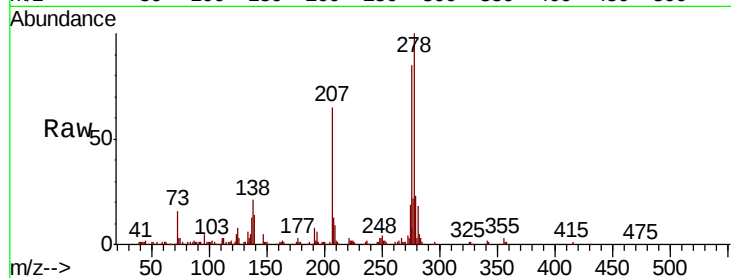




#91
Dibenzo(a,h)anthracene
Concen: 7.470 ng
RT: 25.14 min Scan# 3784
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2020

Tot Ion:278 Resp: 250094
Ion Ratio Lower Upper
278 100
139 13.8 12.3 18.5
279 22.9 18.9 28.3



#92
Benzo(g,h,i)perylene
Concen: 7.527 ng
RT: 25.74 min Scan# 3886
Delta R.T. -0.01 min
Lab File: BM026489.D
Acq: 22 Jun 2020 14:18

Tgt Ion:276 Resp: 239799
Ion Ratio Lower Upper
276 100
277 23.4 19.0 28.4
138 19.5 16.2 24.4

