

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062119\
 Data File : BM021076.D
 Acq On : 21 Jun 2019 09:17
 Operator : HP/JU
 Sample : K2241-03
 Misc : LOD-S-8PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jun 21 23:27:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM062019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	213535	20.00	ng	0.00
21) Naphthalene-d8	10.57	136	924438	20.00	ng	0.00
39) Acenaphthene-d10	14.42	164	637050	20.00	ng	0.00
64) Phenanthrene-d10	17.17	188	1603189	20.00	ng	0.00
76) Chrysene-d12	21.35	240	1720146	20.00	ng	0.00
87) Perylene-d12	23.62	264	1799615	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	1388829	117.77	ng	0.00
7) Phenol-d6	6.95	99	1998062	116.35	ng	0.00
23) Nitrobenzene-d5	8.94	82	1438849	81.12	ng	0.00
42) 2,4,6-Tribromophenol	15.92	330	1659933	138.86	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	4504087	86.89	ng	0.00
79) Terphenyl-d14	19.79	244	8634700	93.76	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.32	88	36389	8.190	ng	96
3) Pyridine	3.73	79	91770	7.183	ng	99
4) n-Nitrosodimethylamine	3.64	42	34724	7.058	ng	# 89
6) Aniline	7.12	93	158960	6.950	ng	99
8) 2-Chlorophenol	7.34	128	107915	7.435	ng	97
9) Benzaldehyde	6.93	77	102382	7.142	ng	98
10) Phenol	6.97	94	128005	7.296	ng	98
11) bis(2-Chloroethyl)ether	7.21	93	101809	7.330	ng	98
12) 1,3-Dichlorobenzene	7.66	146	127352	7.243	ng	97
13) 1,4-Dichlorobenzene	7.82	146	127271	7.119	ng	98
14) 1,2-Dichlorobenzene	8.13	146	126164	7.201	ng	99
15) Benzyl Alcohol	8.02	79	99807	7.178	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.31	45	137741	7.667	ng	98
17) 2-Methylphenol	8.22	107	88812	7.087	ng	98
18) Hexachloroethane	8.85	117	45831	7.140	ng	91
19) n-Nitroso-di-n-propylamine	8.58	70	95497	7.641	ng	98
20) 3+4-Methylphenols	8.54	107	118667	6.879	ng	96
22) Acetophenone	8.60	105	194952	8.276	ng	# 97
24) Nitrobenzene	8.98	77	144229	8.208	ng	98
25) Isophorone	9.50	82	259653	7.823	ng	99
26) 2-Nitrophenol	9.69	139	56839	6.606	ng	91
27) 2,4-Dimethylphenol	9.75	122	102212	8.145	ng	99
28) bis(2-Chloroethoxy)methane	9.99	93	158315	7.676	ng	98
29) 2,4-Dichlorophenol	10.22	162	112769	6.944	ng	99
30) 1,2,4-Trichlorobenzene	10.43	180	140153	7.321	ng	99
31) Naphthalene	10.62	128	384919	7.868	ng	98
32) Benzoic acid	9.83	122	37426	3.687	ng	96
33) 4-Chloroaniline	10.74	127	161377	7.266	ng	98
34) Hexachlorobutadiene	10.89	225	85698	7.090	ng	96
35) Caprolactam	11.53	113	35361	6.961	ng	89
36) 4-Chloro-3-methylphenol	11.85	107	124560	7.537	ng	100
37) 2-Methylnaphthalene	12.23	142	304194	8.081	ng	99
38) 1-Methylnaphthalene	12.45	142	290120	8.081	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.60	216	187030	7.757	ng	99

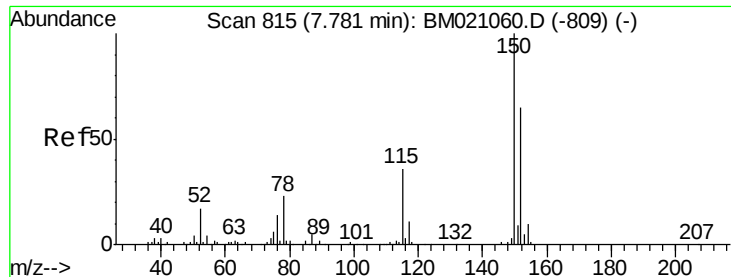
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062119\
 Data File : BM021076.D
 Acq On : 21 Jun 2019 09:17
 Operator : HP/JU
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 20 15:39:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.57	237	92451	6.614	ng	98
43) 2,4,6-Trichlorophenol	12.85	196	104460	6.547	ng	93
44) 2,4,5-Trichlorophenol	12.92	196	114655	6.939	ng	99
46) 1,1'-Biphenyl	13.25	154	448223	8.221	ng	98
47) 2-Chloronaphthalene	13.29	162	325540	7.351	ng	97
48) 2-Nitroaniline	13.50	65	76168	6.287	ng	94
49) Acenaphthylene	14.14	152	518369	7.692	ng	99
50) Dimethylphthalate	13.88	163	441718	7.799	ng	99
51) 2,6-Dinitrotoluene	14.00	165	89548	7.349	ng	99
52) Acenaphthene	14.48	154	312350	7.682	ng	100
53) 3-Nitroaniline	14.33	138	80467	6.478	ng	93
54) 2,4-Dinitrophenol	14.54	184	34841	5.323	ng	96
55) Dibenzofuran	14.82	168	524173	7.903	ng	97
56) 4-Nitrophenol	14.64	139	64923	6.835	ng	97
57) 2,4-Dinitrotoluene	14.79	165	118253	7.028	ng	97
58) Fluorene	15.47	166	425137	7.845	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.04	232	117864	7.466	ng	97
60) Diethylphthalate	15.24	149	440201	7.891	ng	99
61) 4-Chlorophenyl-phenylether	15.46	204	232488	7.594	ng	96
62) 4-Nitroaniline	15.50	138	88130	6.759	ng	93
63) Azobenzene	15.76	77	366885	8.018	ng	96
65) 4,6-Dinitro-2-methylphenol	15.55	198	52024	5.263	ng	95
66) n-Nitrosodiphenylamine	15.68	169	374942	7.420	ng	98
67) 4-Bromophenyl-phenylether	16.36	248	148150	6.942	ng	96
68) Hexachlorobenzene	16.46	284	179128	7.026	ng	94
69) Atrazine	16.63	200	127664	7.769	ng	99
70) Pentachlorophenol	16.82	266	85430	6.219	ng	98
71) Phenanthrene	17.21	178	723303	7.828	ng	99
72) Anthracene	17.30	178	710862	7.767	ng	99
73) Carbazole	17.57	167	630078	7.786	ng	99
74) Di-n-butylphthalate	18.13	149	723946	7.308	ng	99
75) Fluoranthene	19.22	202	876610	8.216	ng	99
77) Benzidine	19.42	184	310194	6.210	ng	99
78) Pyrene	19.59	202	895934	7.182	ng	99
80) Butylbenzylphthalate	20.49	149	328379	6.604	ng	96
81) Benzo(a)anthracene	21.33	228	882149	7.523	ng	99
82) 3,3'-Dichlorobenzidine	21.27	252	325051	7.319	ng	97
83) Chrysene	21.39	228	889976	7.967	ng	100
84) Bis(2-ethylhexyl)phthalate	21.26	149	481956	6.810	ng	97
85) Di-n-octyl phthalate	22.14	149	806119	7.243	ng	99
86) Indeno(1,2,3-cd)pyrene	25.92	276	895232	7.243	ng	99
88) Benzo(b)fluoranthene	22.93	252	894178	7.365	ng	99
89) Benzo(k)fluoranthene	22.98	252	905723	7.718	ng	100
90) Benzo(a)pyrene	23.52	252	832635	7.601	ng	99
91) Dibenzo(a,h)anthracene	25.93	278	758287	6.943	ng	98
92) Benzo(g,h,i)perylene	26.62	276	724385	7.112	ng	99

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

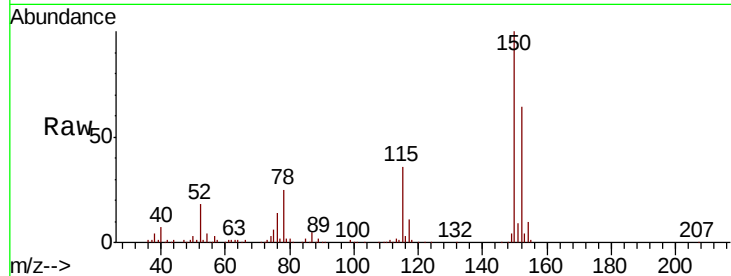


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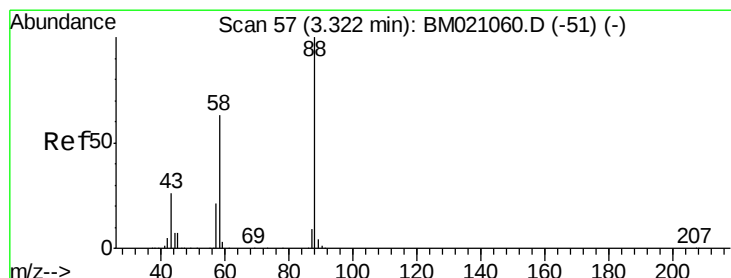
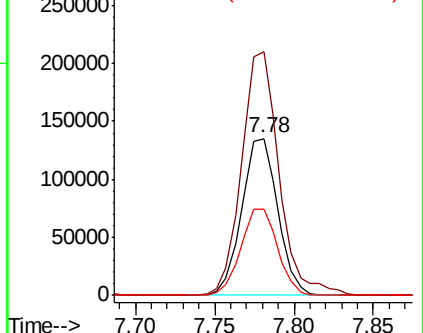
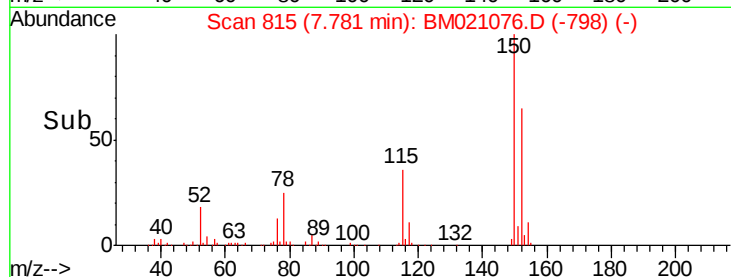
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.78 min Scan# 815
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

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

Tgt Ion:152 Resp: 213535
Ion Ratio Lower Upper
152 100
150 155.4 123.1 184.7
115 55.2 44.2 66.4



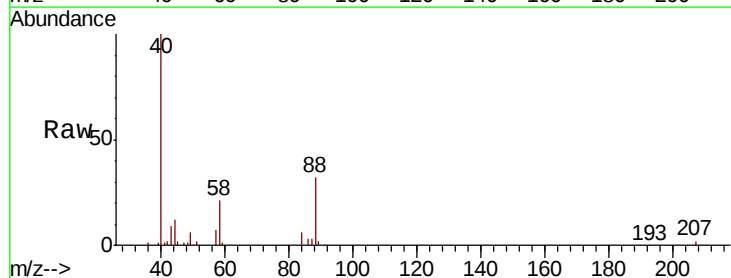
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



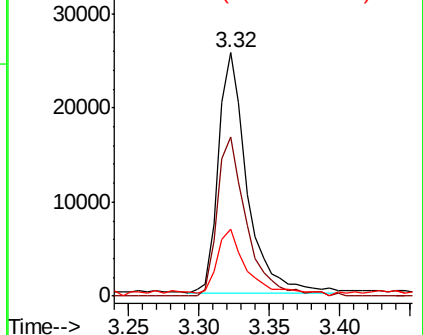
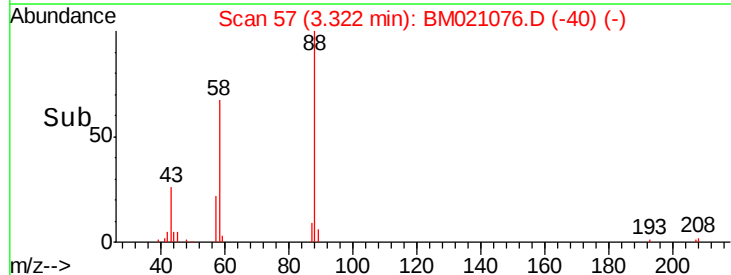
#2

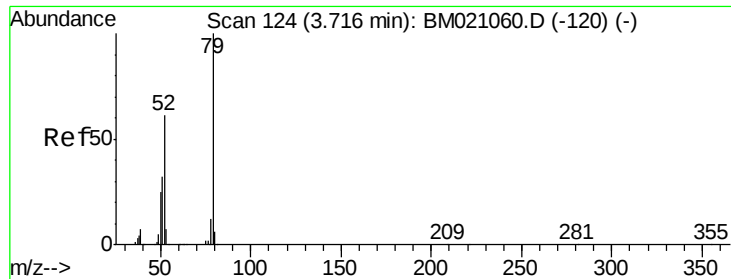
1,4-Dioxane
Concen: 8.190 ng
RT: 3.32 min Scan# 57
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion: 88 Resp: 36389
Ion Ratio Lower Upper
88 100
58 67.6 51.9 77.9
43 30.1 21.4 32.2



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

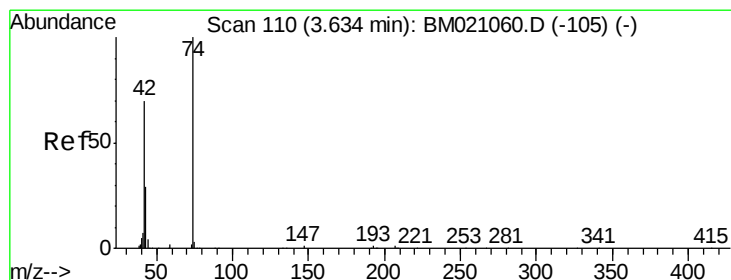
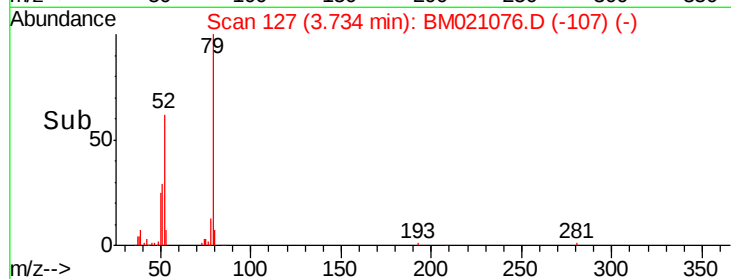
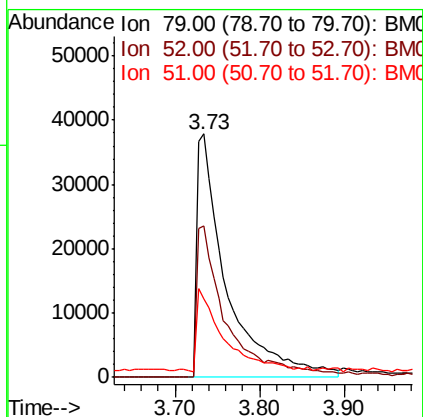
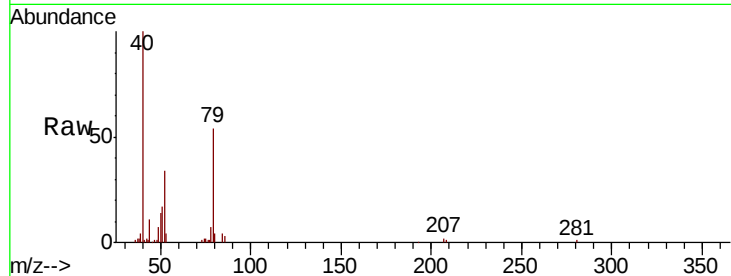




#3
Pyridine
Concen: 7.183 ng
RT: 3.73 min Scan# 127
Delta R.T. 0.02 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

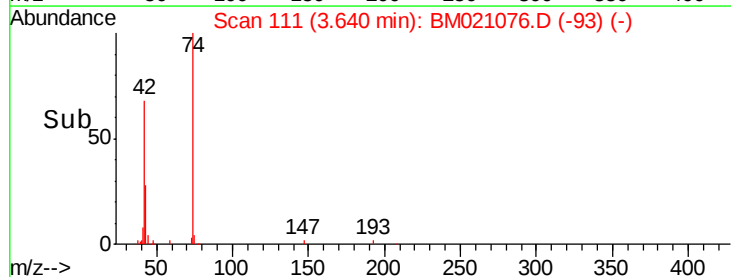
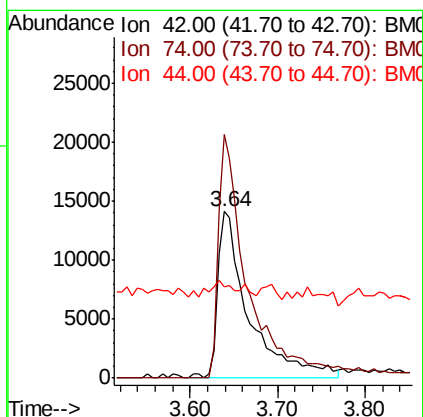
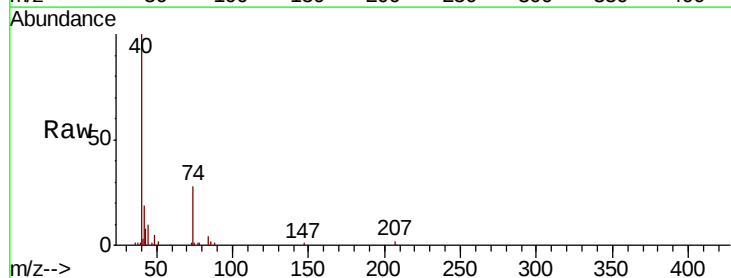
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

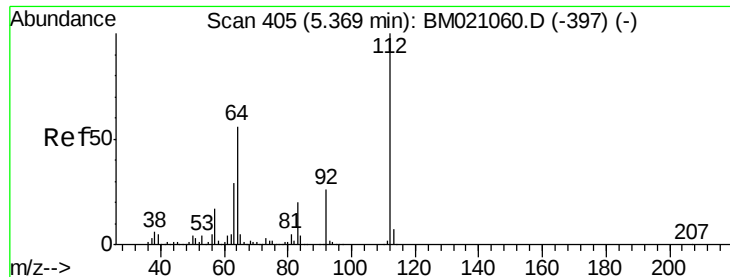
Tgt Ion: 79 Resp: 91770
Ion Ratio Lower Upper
79 100
52 62.4 48.8 73.2
51 32.1 25.7 38.5



#4
n-Nitrosodimethylamine
Concen: 7.058 ng
RT: 3.64 min Scan# 111
Delta R.T. 0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion: 42 Resp: 34724
Ion Ratio Lower Upper
42 100
74 146.2 113.8 170.6
44 54.7 8.2 12.2#





#5

2-Fluorophenol

Concen: 117.770 ng

RT: 5.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

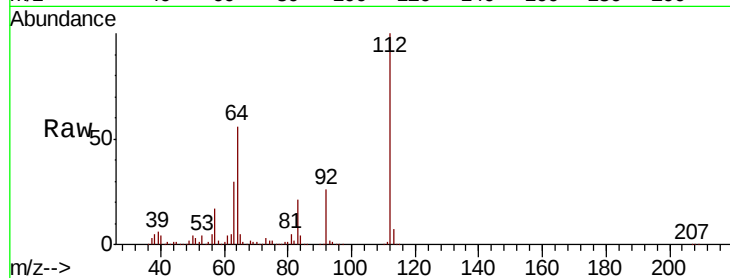
Tgt Ion:112 Resp: 1388829

Ion Ratio Lower Upper

112 100

64 55.9 45.2 67.8

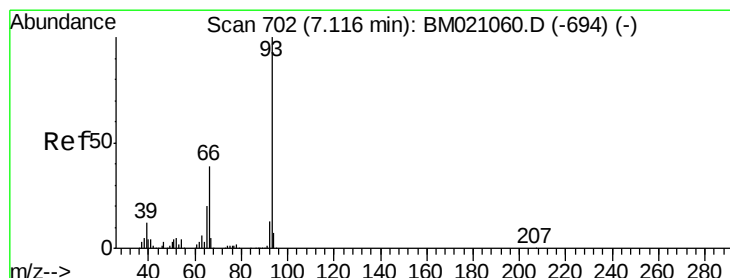
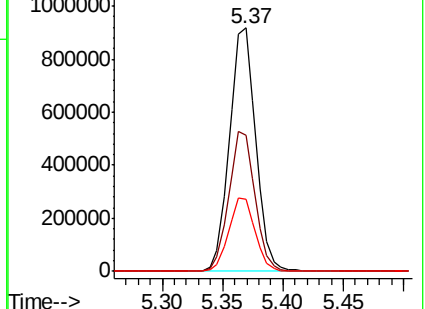
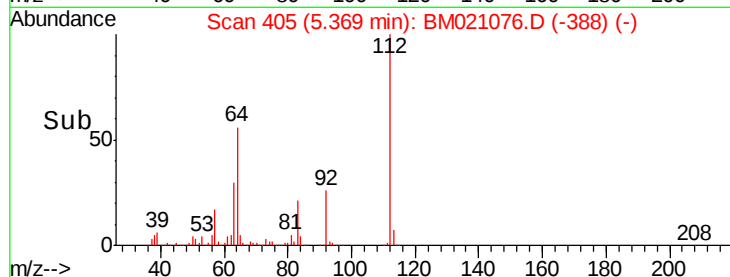
63 29.8 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 6.950 ng

RT: 7.12 min Scan# 702

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

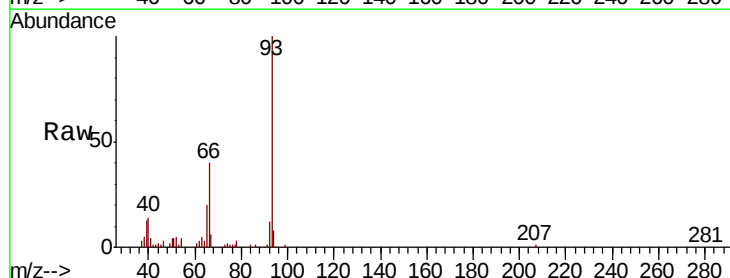
Tgt Ion: 93 Resp: 158960

Ion Ratio Lower Upper

93 100

66 39.8 31.3 46.9

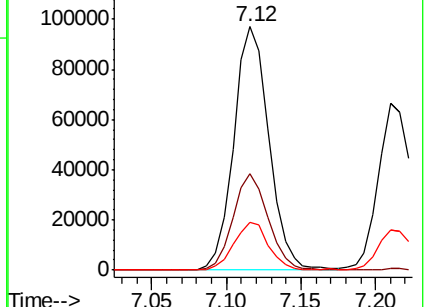
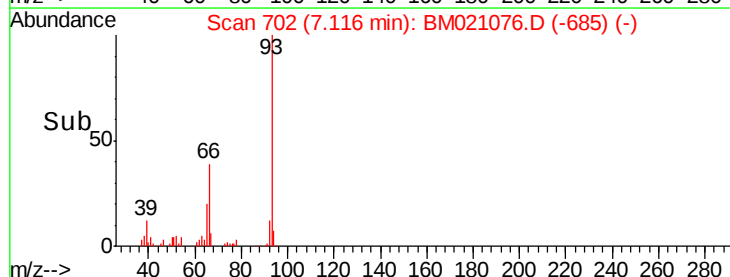
65 19.7 15.9 23.9

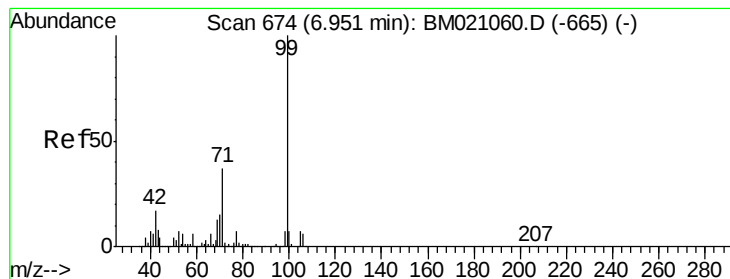


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 116.346 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

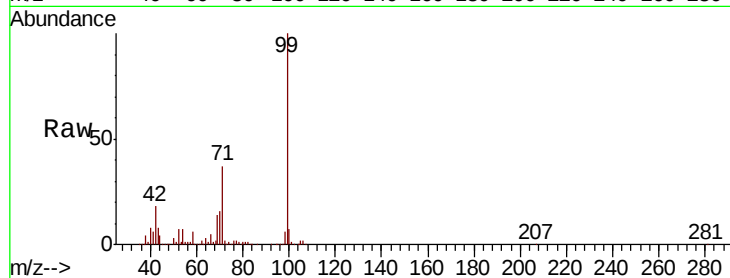
Tgt Ion: 99 Resp: 1998062

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

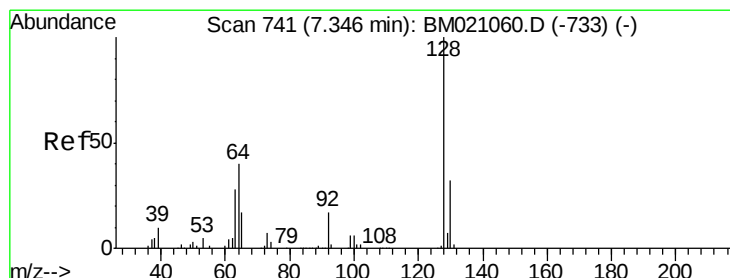
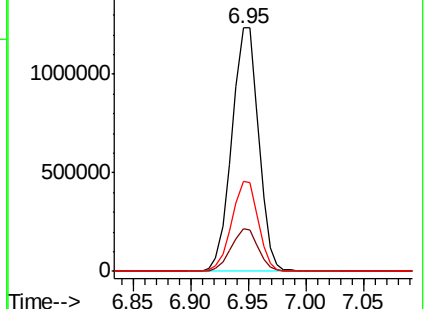
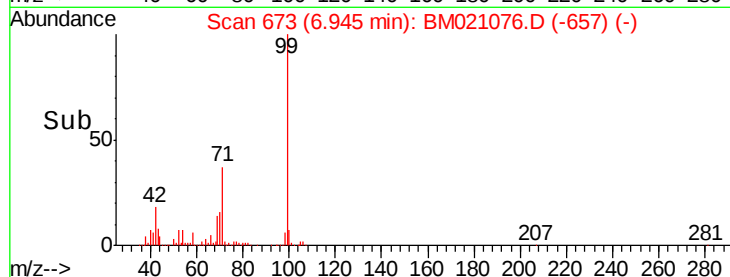
71 37.0 29.3 43.9



Abundance Ion 99.00 (98.70 to 99.70): BM021076.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BM021076.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BM021076.D (-657) (-)



#8

2-Chlorophenol

Concen: 7.435 ng

RT: 7.34 min Scan# 740

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

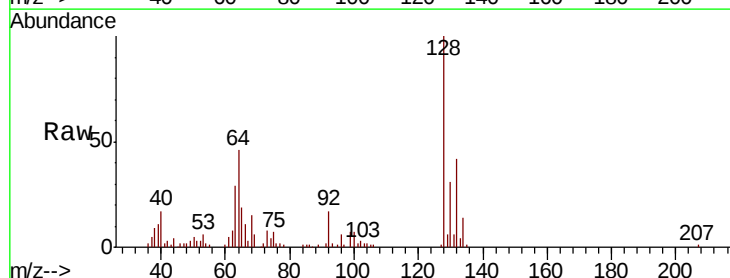
Tgt Ion: 128 Resp: 107915

Ion Ratio Lower Upper

128 100

130 31.5 12.2 52.2

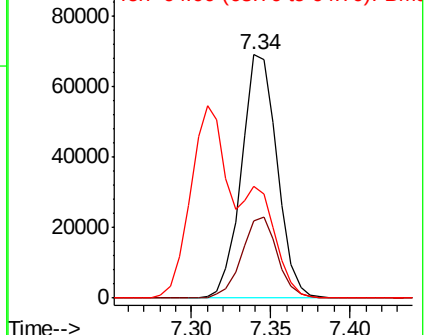
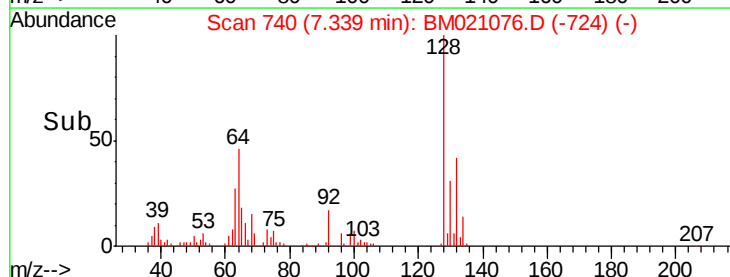
64 46.1 23.2 63.2

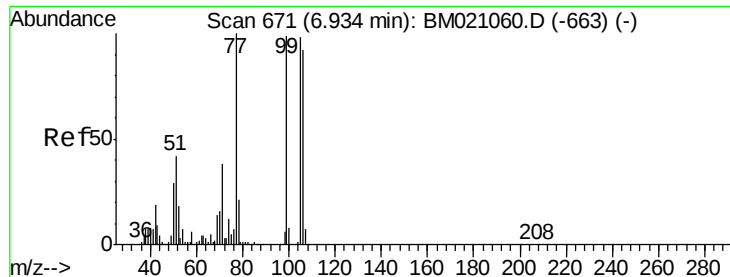


Abundance Ion 128.00 (127.70 to 128.70): BM021076.D (-724) (-)

Ion 130.00 (129.70 to 130.70): BM021076.D (-724) (-)

Ion 64.00 (63.70 to 64.70): BM021076.D (-724) (-)





#9

Benzaldehyde

Concen: 7.142 ng

RT: 6.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

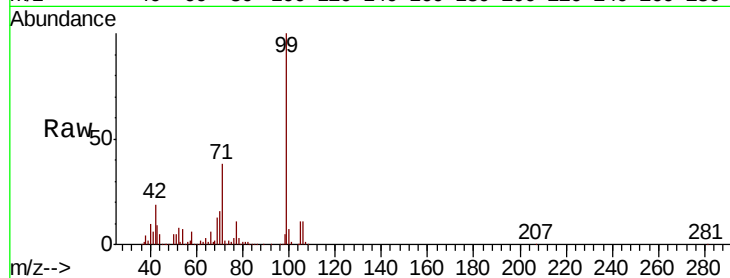
Tgt Ion: 77 Resp: 102382

Ion Ratio Lower Upper

77 100

105 99.5 77.8 117.8

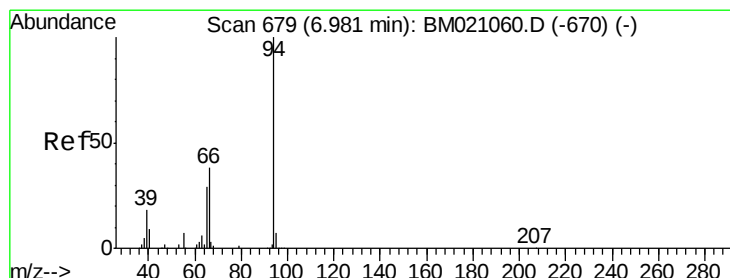
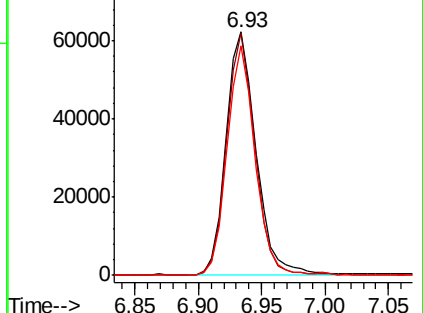
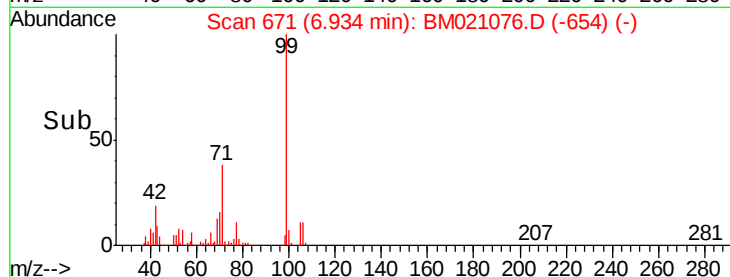
106 94.3 71.8 111.8



Abundance Ion 77.00 (76.70 to 77.70): BM021076.D (-654) (-)

Ion 105.00 (104.70 to 105.70): BM021076.D (-654) (-)

Ion 106.00 (105.70 to 106.70): BM021076.D (-654) (-)



#10

Phenol

Concen: 7.296 ng

RT: 6.97 min Scan# 678

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

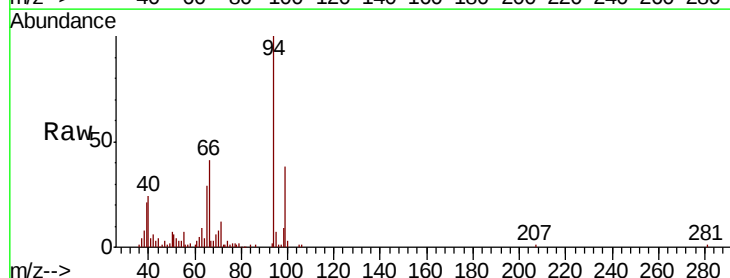
Tgt Ion: 94 Resp: 128005

Ion Ratio Lower Upper

94 100

65 28.5 8.7 48.7

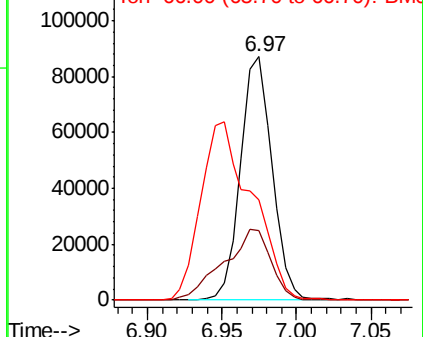
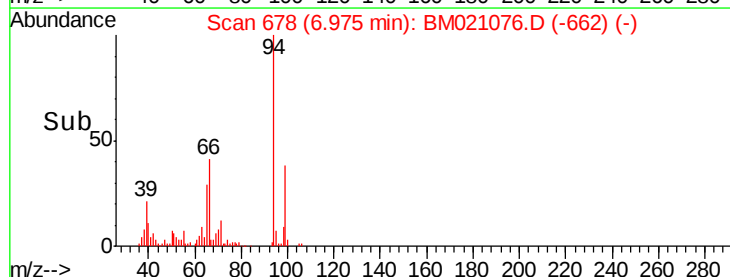
66 41.0 19.0 59.0

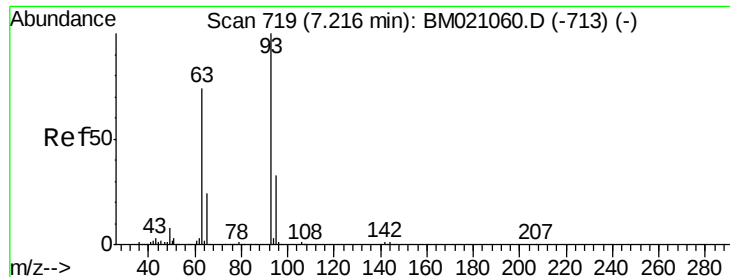


Abundance Ion 94.00 (93.70 to 94.70): BM021076.D (-662) (-)

Ion 65.00 (64.70 to 65.70): BM021076.D (-662) (-)

Ion 66.00 (65.70 to 66.70): BM021076.D (-662) (-)

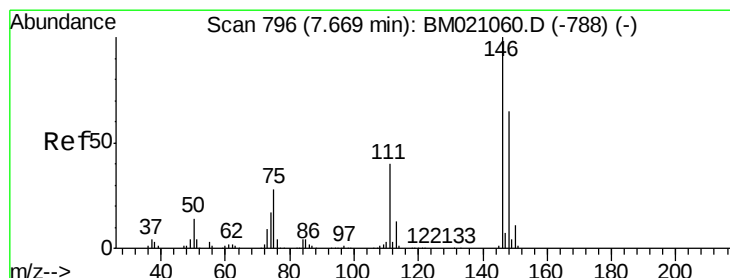
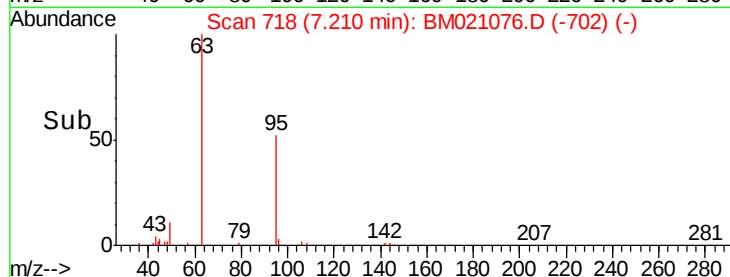
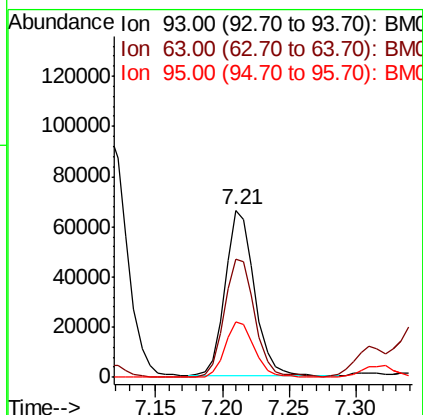
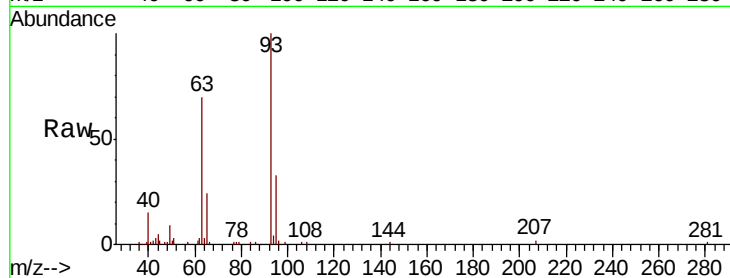




#11
bis(2-Chloroethyl)ether
Concen: 7.330 ng
RT: 7.21 min Scan# 718
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

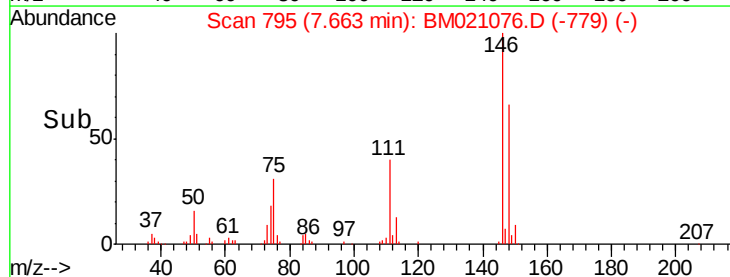
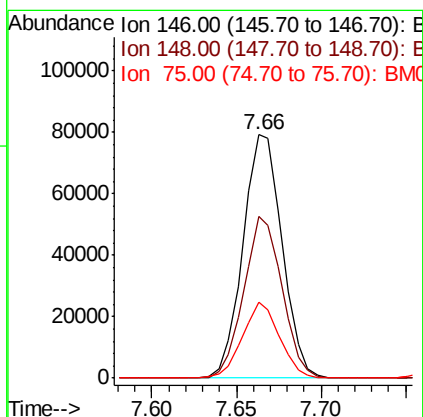
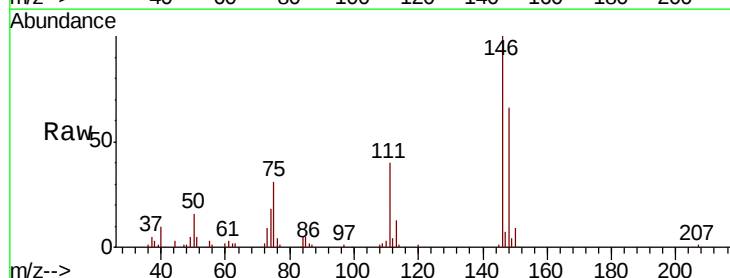
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

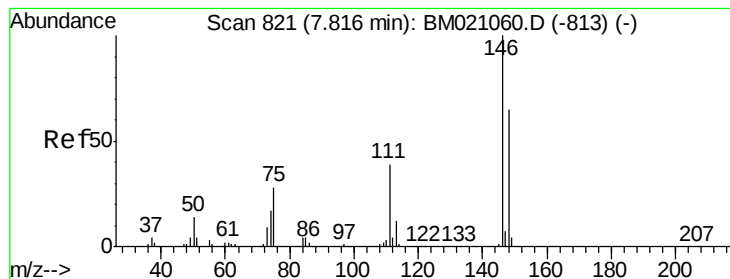
Tgt Ion: 93 Resp: 101809
Ion Ratio Lower Upper
93 100
63 70.5 53.4 93.4
95 33.0 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 7.243 ng
RT: 7.66 min Scan# 795
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion: 146 Resp: 127352
Ion Ratio Lower Upper
146 100
148 66.5 52.2 78.2
75 31.3 22.2 33.4





#13

1,4-Dichlorobenzene

Concen: 7.119 ng

RT: 7.82 min Scan# 821

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

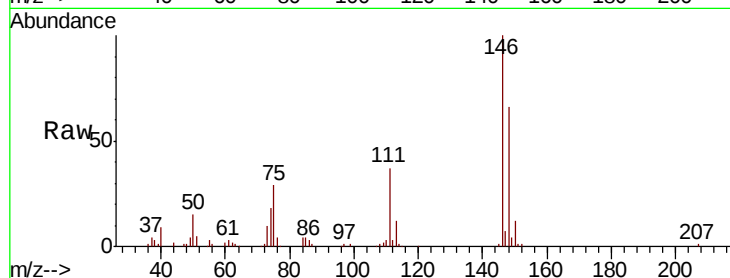
Tgt Ion:146 Resp: 127271

Ion Ratio Lower Upper

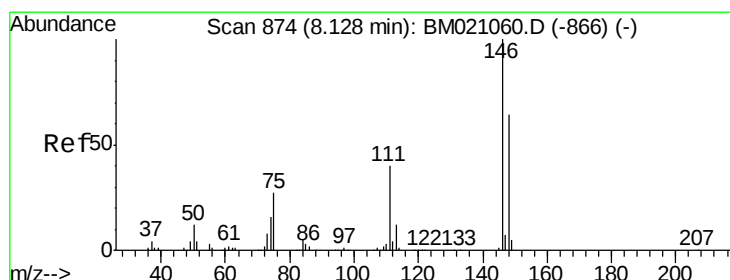
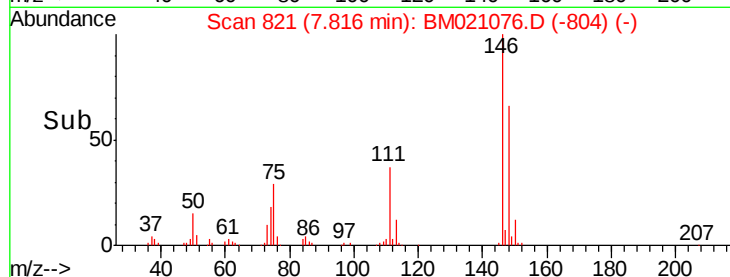
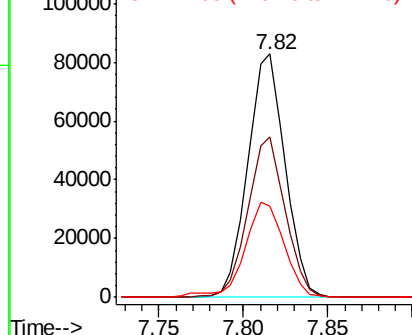
146 100

148 65.8 51.9 77.9

111 37.5 31.4 47.0



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



#14

1,2-Dichlorobenzene

Concen: 7.201 ng

RT: 8.13 min Scan# 874

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

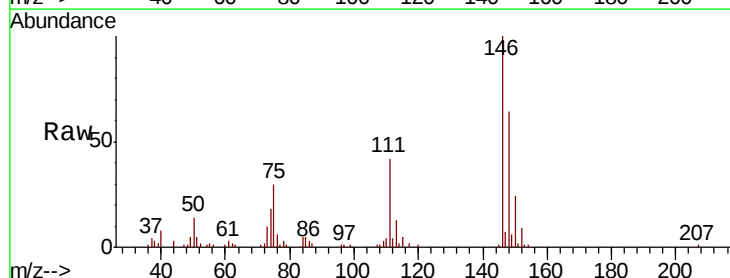
Tgt Ion:146 Resp: 126164

Ion Ratio Lower Upper

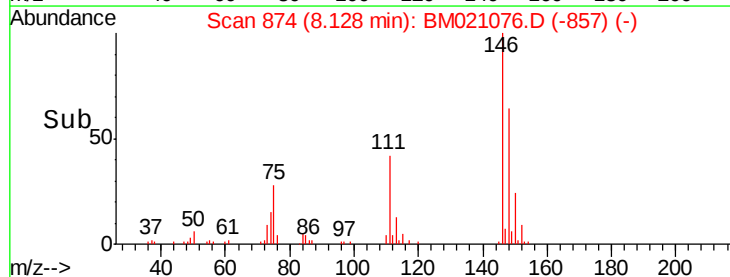
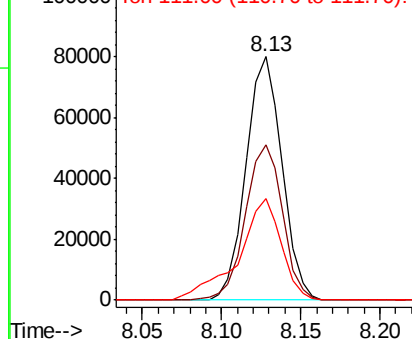
146 100

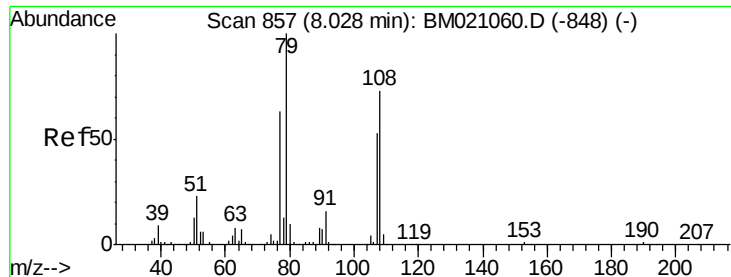
148 63.6 51.2 76.8

111 41.6 32.8 49.2



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

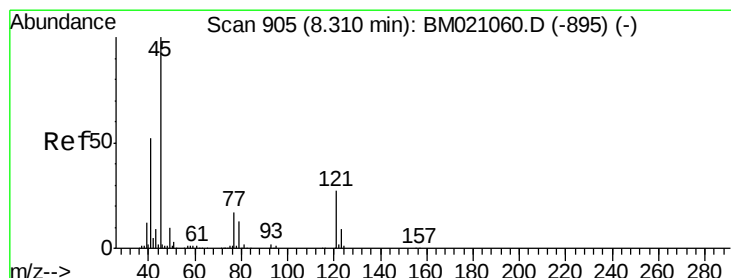
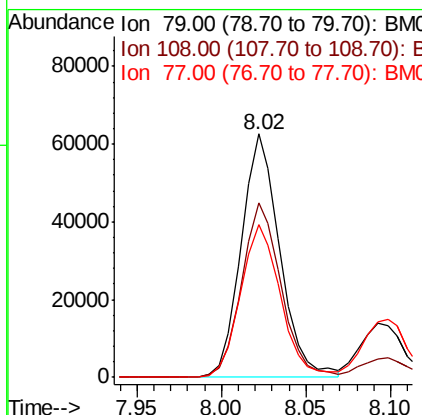
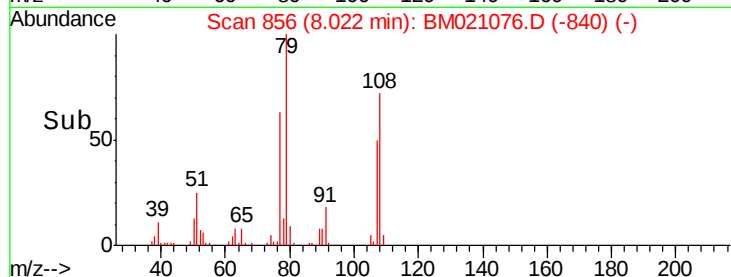
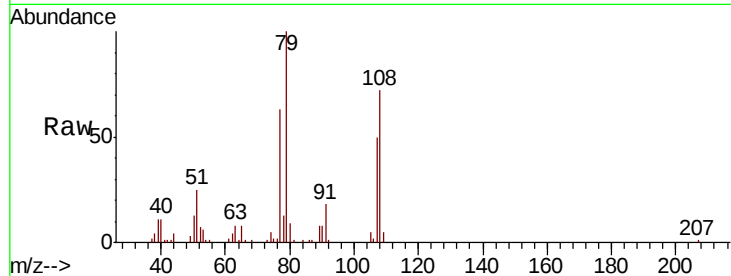




#15
Benzyl Alcohol
Concen: 7.178 ng
RT: 8.02 min Scan# 856
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

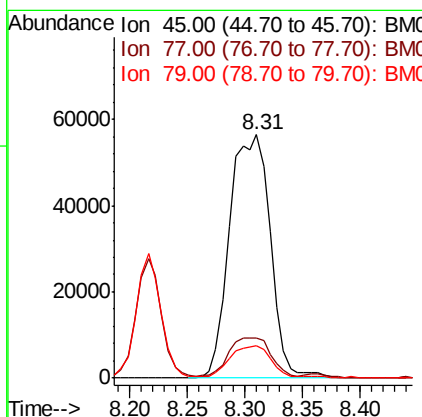
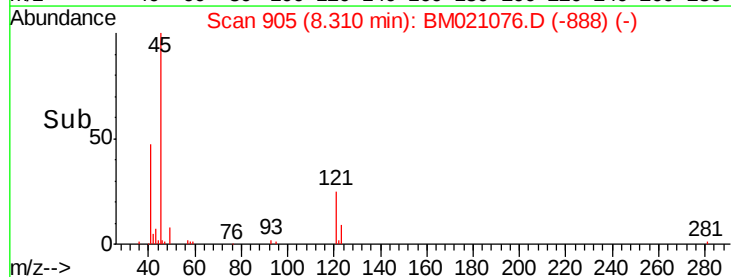
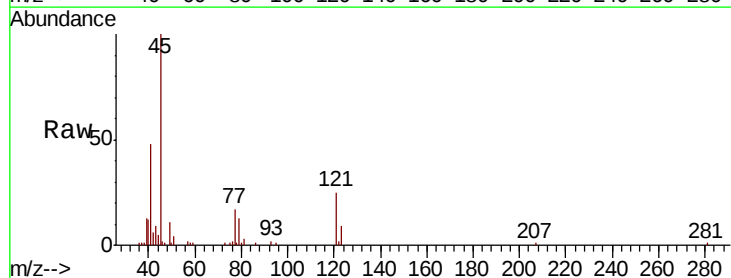
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

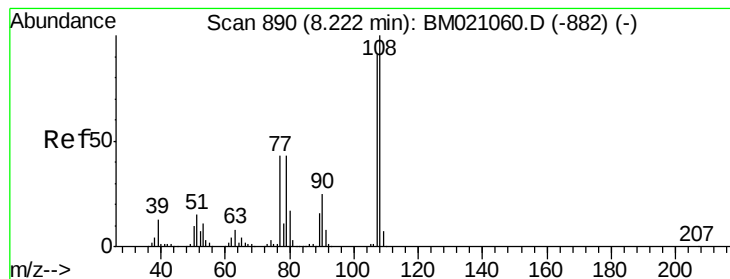
Tgt Ion	Ratio	Lower	Upper
79	100		
108	71.9	58.4	87.6
77	62.6	50.1	75.1



#16
2,2'-oxybis(1-chloropropane)
Concen: 7.667 ng
RT: 8.31 min Scan# 905
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	37.5
79	13.2	0.0	33.5





#17

2-Methylphenol

Concen: 7.087 ng

RT: 8.22 min Scan# 889

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

Tgt Ion:107 Resp: 88812

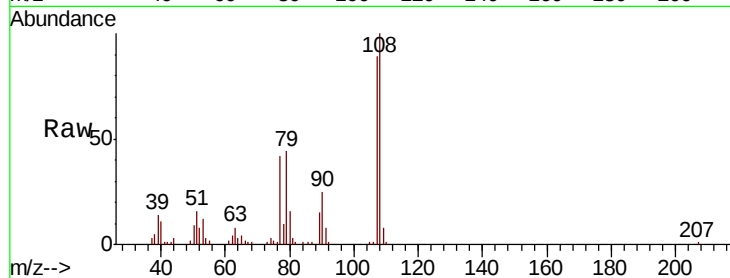
Ion Ratio Lower Upper

107 100

108 112.2 87.5 131.3

77 47.5 37.8 56.8

79 49.4 37.5 56.3

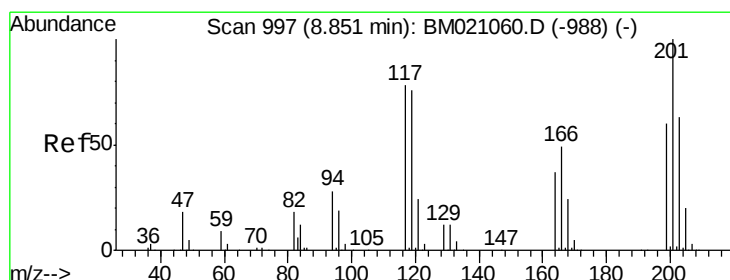
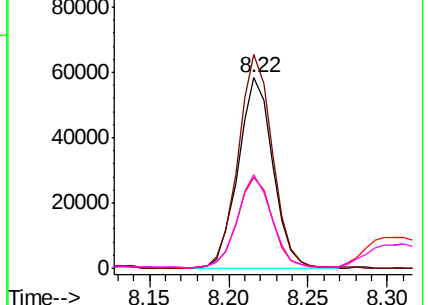
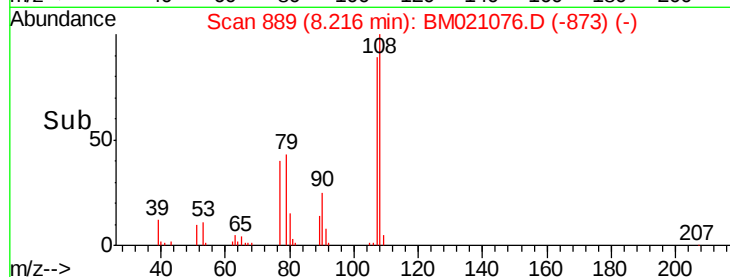


Abundance Ion 107.00 (106.70 to 107.70): E

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: 7.140 ng

RT: 8.85 min Scan# 996

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

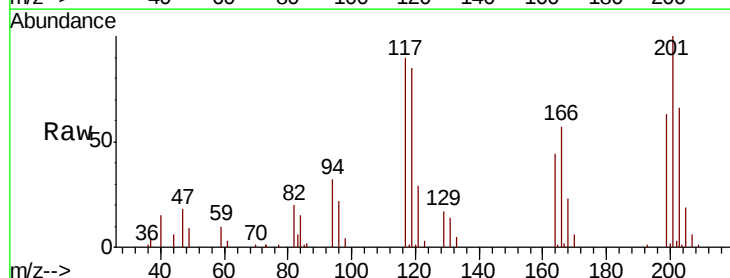
Tgt Ion:117 Resp: 45831

Ion Ratio Lower Upper

117 100

119 95.1 77.5 116.3

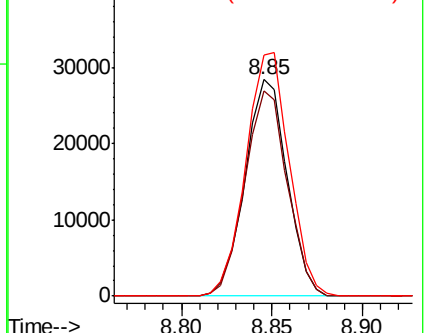
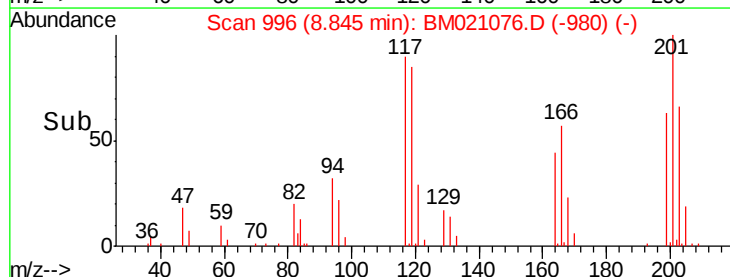
201 111.6 102.3 153.5

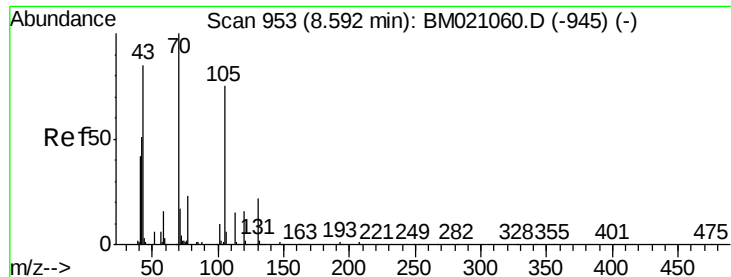


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

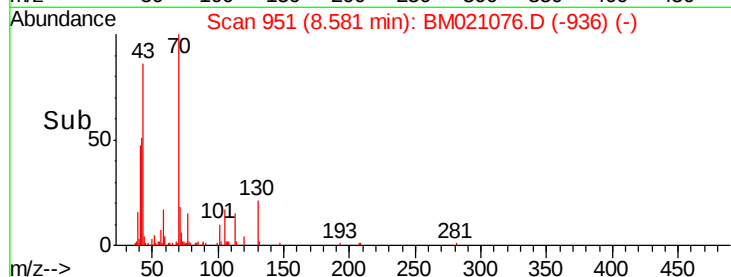
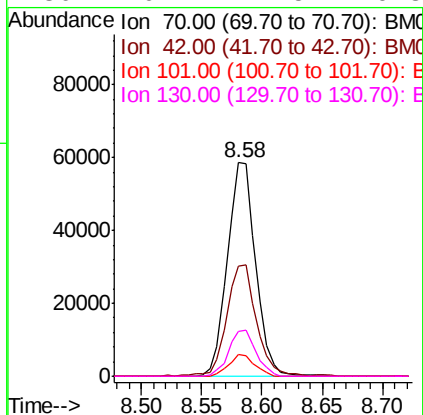
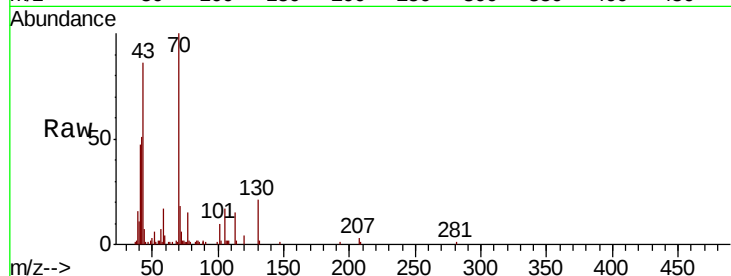




#19
n-Nitroso-di-n-propylamine
Concen: 7.641 ng
RT: 8.58 min Scan# 951
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

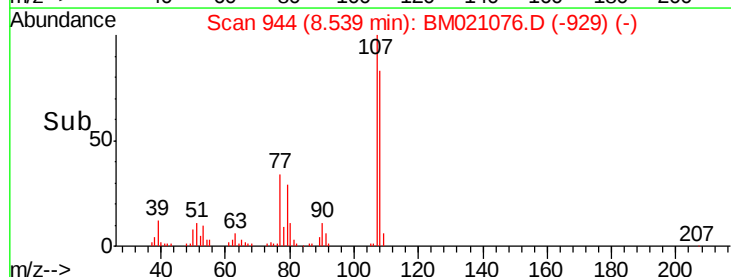
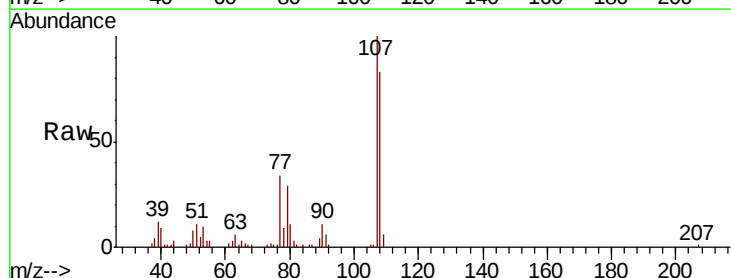
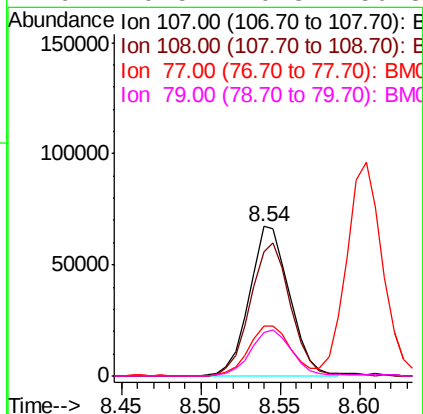
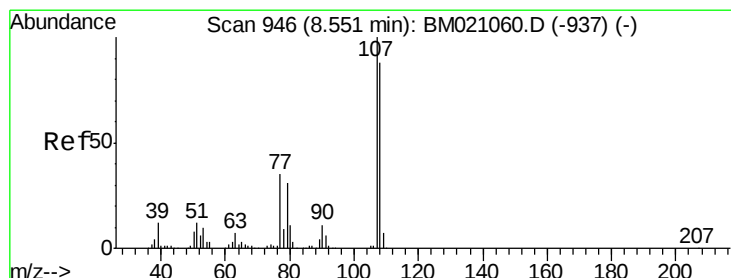
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

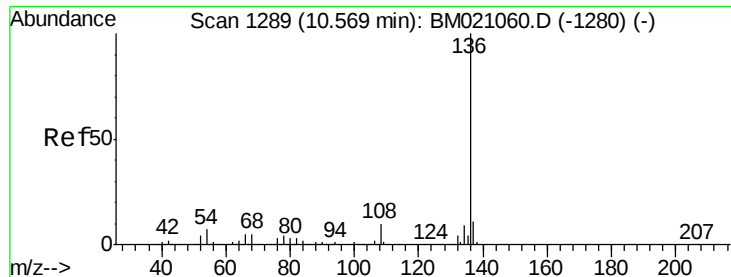
Tgt Ion:	70	Resp:	95497
Ion	Ratio	Lower	Upper
70	100		
42	51.3	41.9	62.9
101	10.4	8.1	12.1
130	20.7	17.5	26.3



#20
3+4-Methylphenols
Concen: 6.879 ng
RT: 8.54 min Scan# 944
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:	107	Resp:	118667
Ion	Ratio	Lower	Upper
107	100		
108	83.2	67.9	107.9
77	33.6	14.6	54.6
79	29.5	10.8	50.8

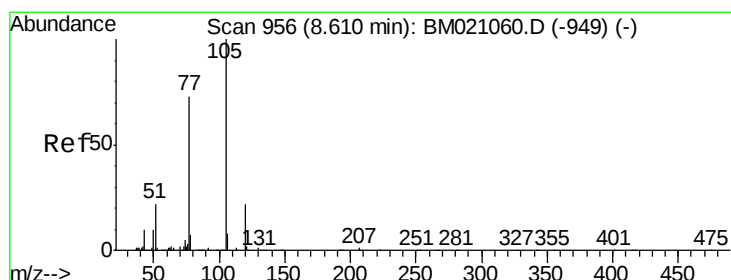
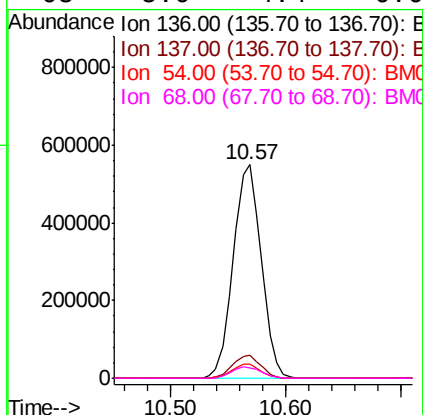
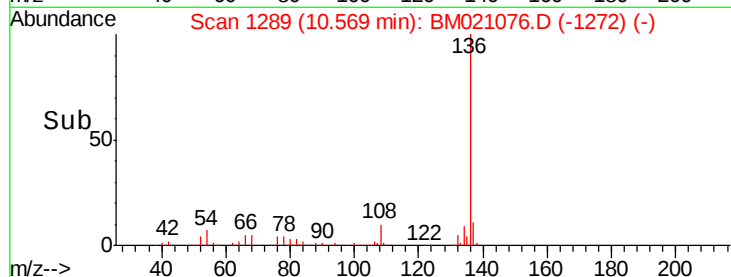
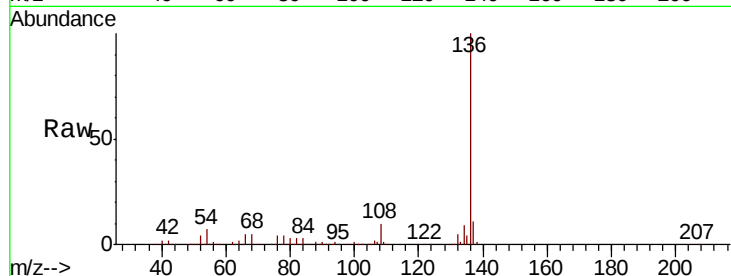




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.57 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

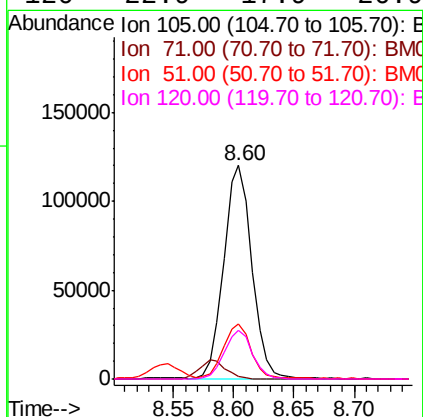
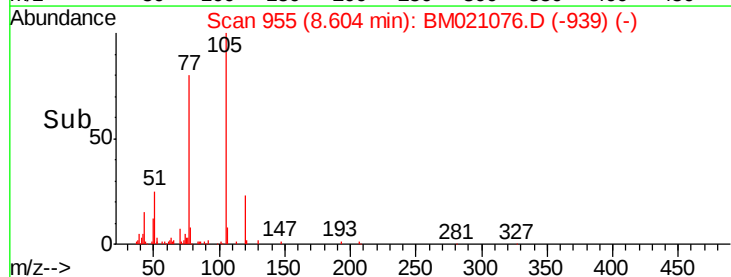
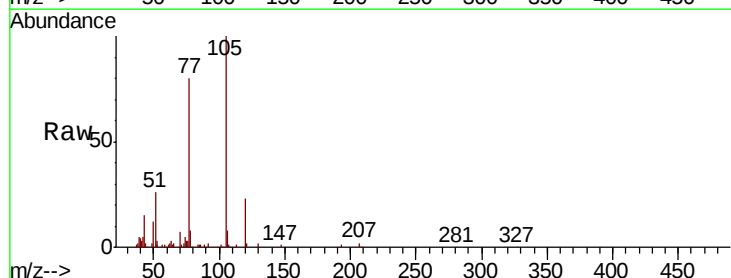
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

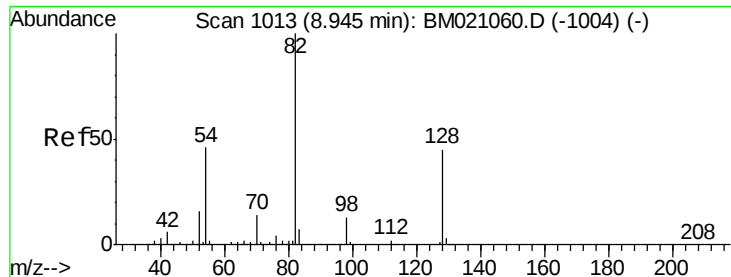
Tgt Ion:	136	Resp:	924438
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	6.7	5.3	7.9
68	5.0	4.4	6.6



#22
Acetophenone
Concen: 8.276 ng
RT: 8.60 min Scan# 955
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:	105	Resp:	194952
Ion	Ratio	Lower	Upper
105	100		
71	1.0	1.2	1.8#
51	25.9	19.1	28.7
120	22.9	17.9	26.9

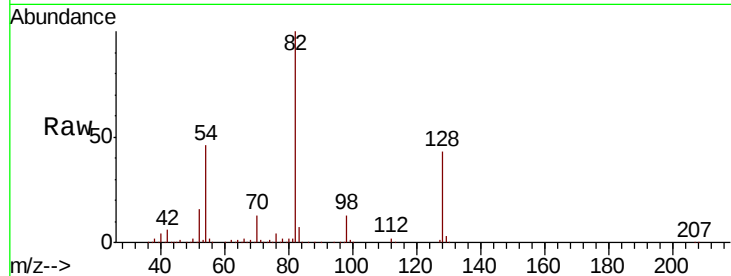




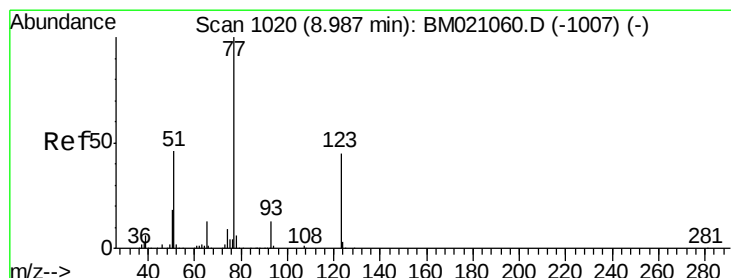
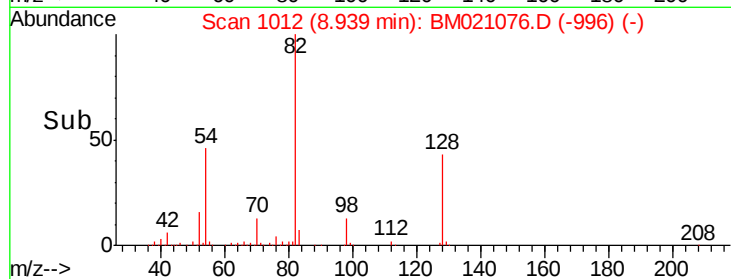
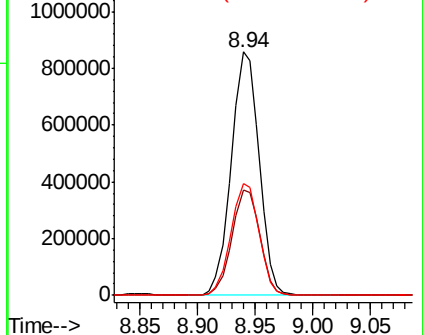
#23
 Nitrobenzene-d5
 Concen: 81.117 ng
 RT: 8.94 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

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

Tgt Ion: 82 Resp: 1438849
 Ion Ratio Lower Upper
 82 100
 128 43.0 35.9 53.9
 54 45.9 36.6 55.0

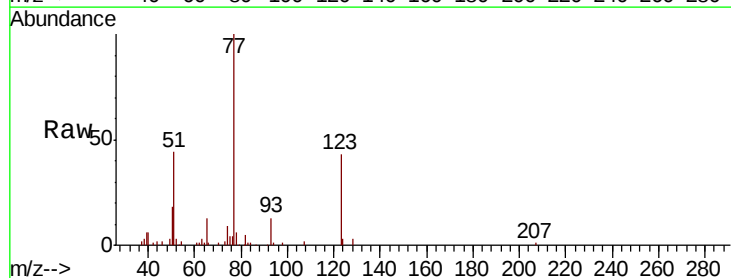


Abundance Ion 82.00 (81.70 to 82.70): BM021060.D (-1004) (-)
 Ion 128.00 (127.70 to 128.70): BM021060.D (-1004) (-)
 Ion 54.00 (53.70 to 54.70): BM021060.D (-1004) (-)

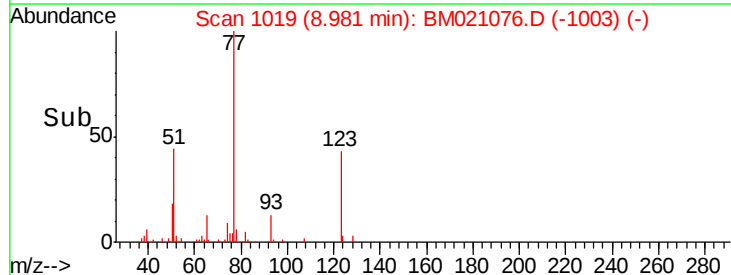
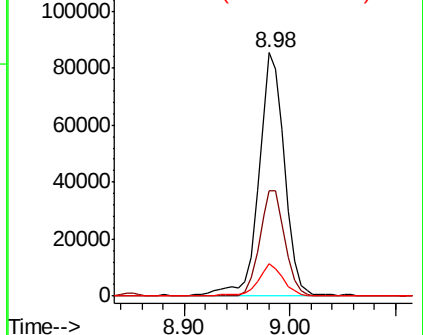


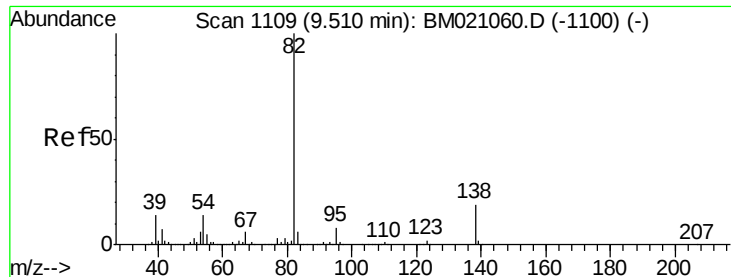
#24
 Nitrobenzene
 Concen: 8.208 ng
 RT: 8.98 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

Tgt Ion: 77 Resp: 144229
 Ion Ratio Lower Upper
 77 100
 123 43.3 36.3 54.5
 65 13.3 10.6 16.0



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

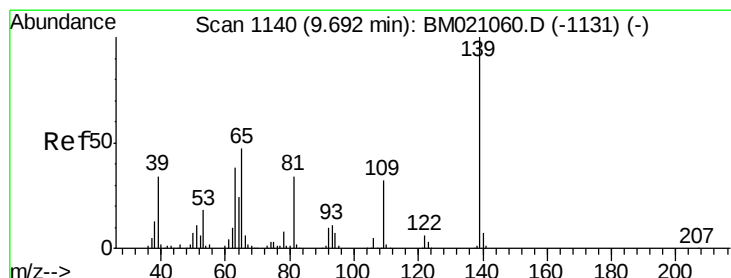
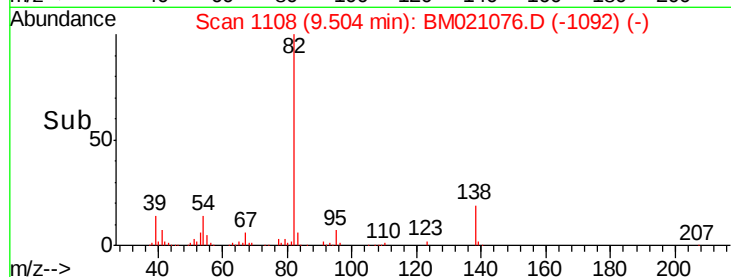
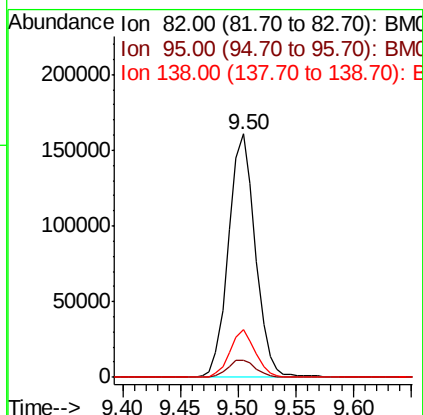
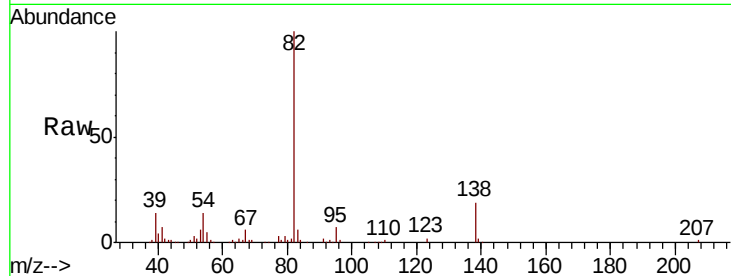




#25
Isophorone
Concen: 7.823 ng
RT: 9.50 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

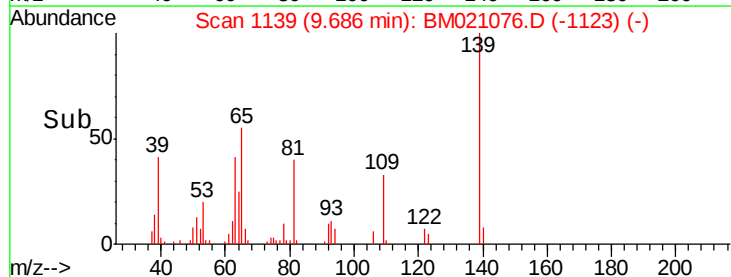
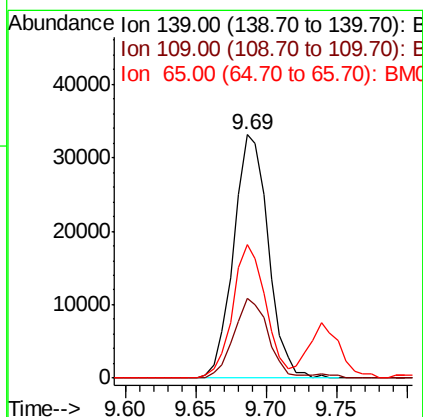
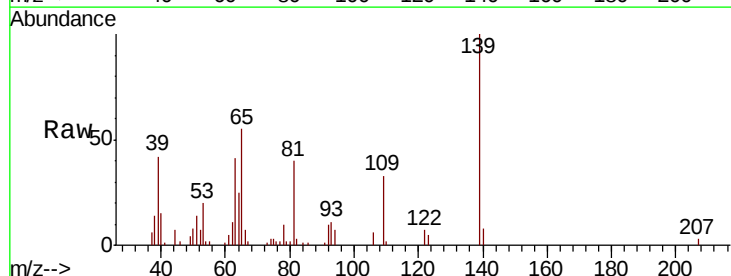
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

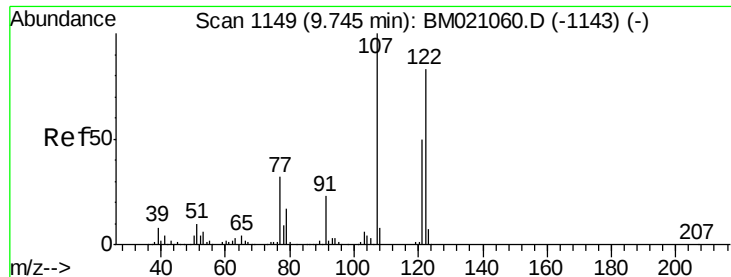
Tgt Ion: 82 Resp: 259653
Ion Ratio Lower Upper
82 100
95 7.0 6.1 9.1
138 19.4 15.0 22.6



#26
2-Nitrophenol
Concen: 6.606 ng
RT: 9.69 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion: 139 Resp: 56839
Ion Ratio Lower Upper
139 100
109 33.0 25.2 37.8
65 55.1 37.4 56.0

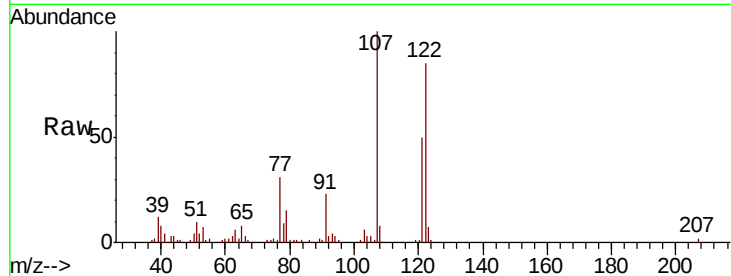




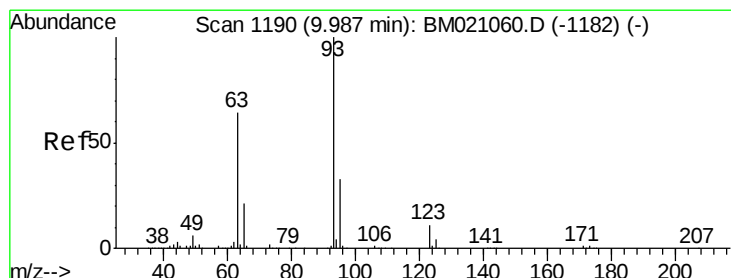
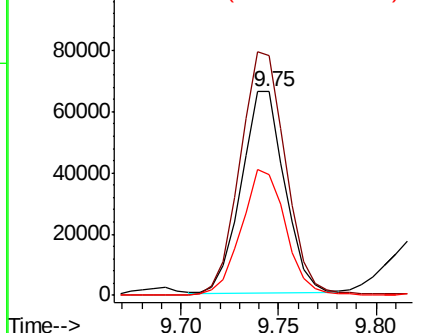
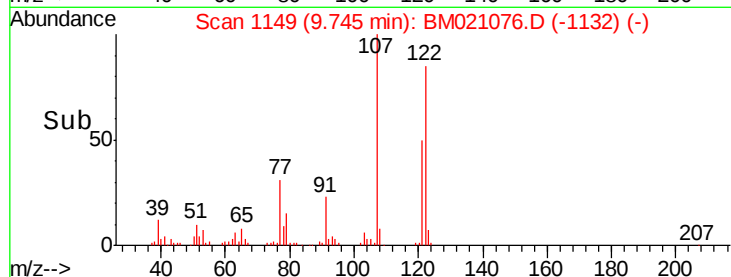
#27
 2,4-Dimethylphenol
 Concen: 8.145 ng
 RT: 9.75 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

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

Tgt Ion:122 Resp: 102212
 Ion Ratio Lower Upper
 122 100
 107 117.4 95.3 142.9
 121 59.2 47.5 71.3

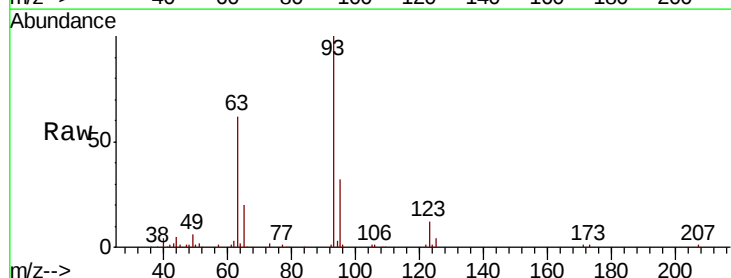


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

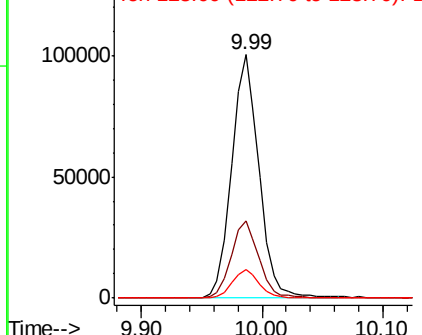
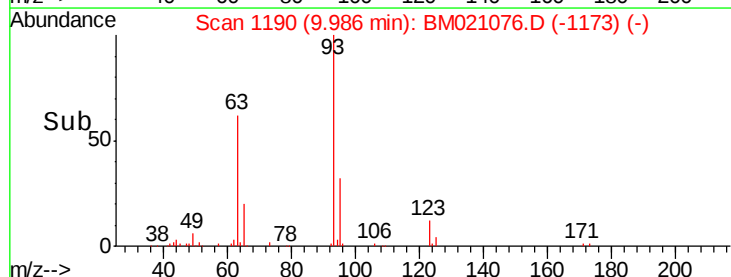


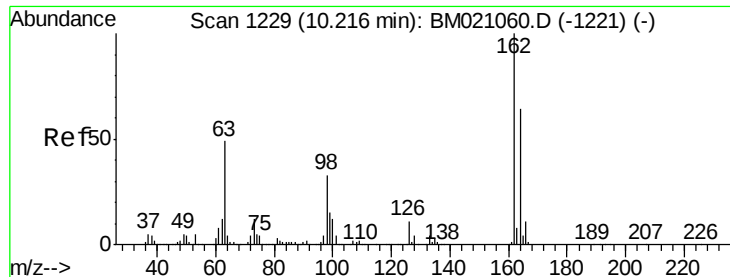
#28
 bis(2-Chloroethoxy)methane
 Concen: 7.676 ng
 RT: 9.99 min Scan# 1190
 Delta R.T. -0.00 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

Tgt Ion: 93 Resp: 158315
 Ion Ratio Lower Upper
 93 100
 95 31.5 26.2 39.2
 123 11.7 9.0 13.4



Abundance Ion 93.00 (92.70 to 93.70): BM0
 Ion 95.00 (94.70 to 95.70): BM0
 Ion 123.00 (122.70 to 123.70): E

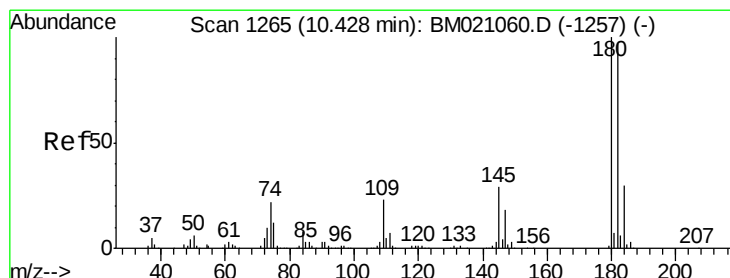
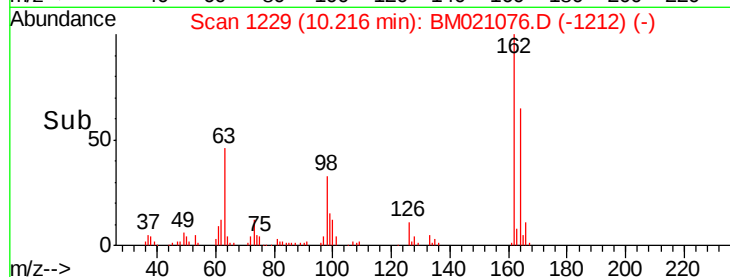
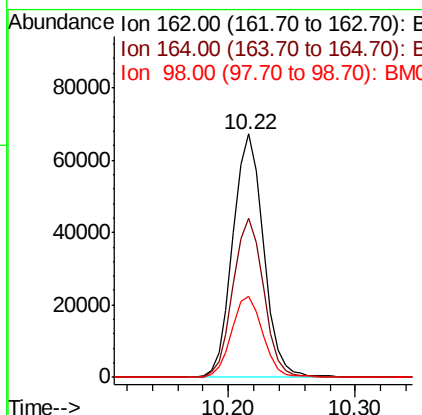
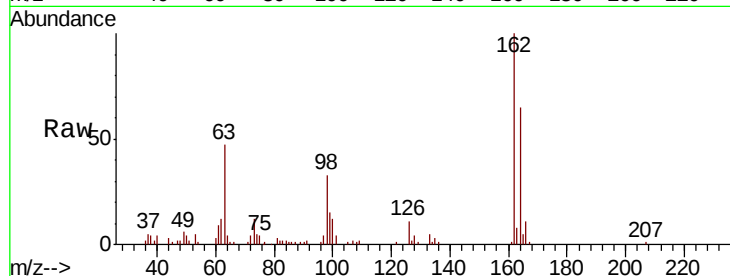




#29
2,4-Dichlorophenol
Concen: 6.944 ng
RT: 10.22 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

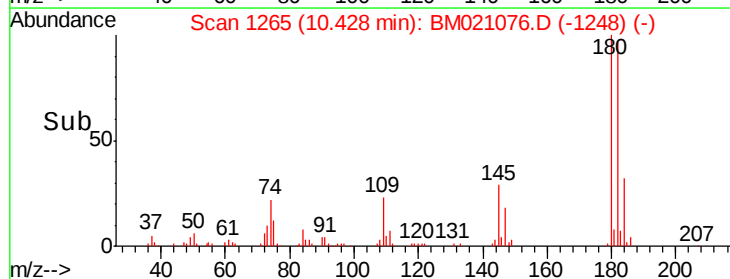
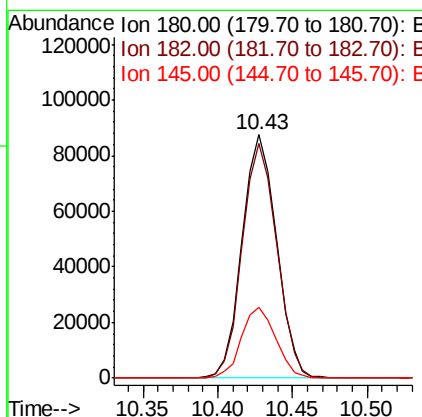
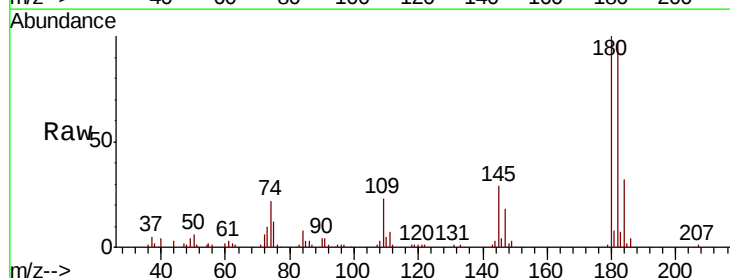
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

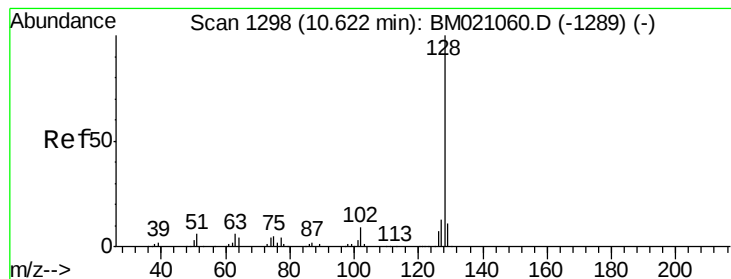
Tgt Ion:162 Resp: 112769
Ion Ratio Lower Upper
162 100
164 65.2 43.7 83.7
98 33.4 13.4 53.4



#30
1,2,4-Trichlorobenzene
Concen: 7.321 ng
RT: 10.43 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:180 Resp: 140153
Ion Ratio Lower Upper
180 100
182 96.6 78.0 117.0
145 28.9 23.4 35.0





#31

Naphthalene

Concen: 7.868 ng

RT: 10.62 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

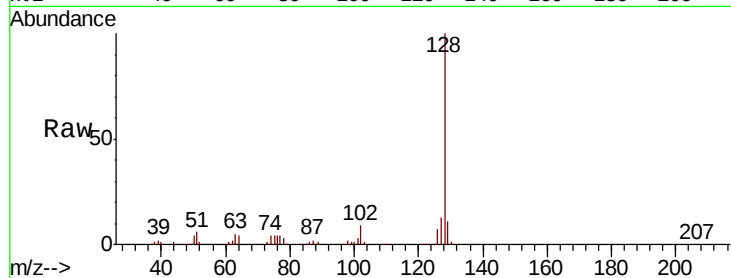
Tgt Ion:128 Resp: 384919

Ion Ratio Lower Upper

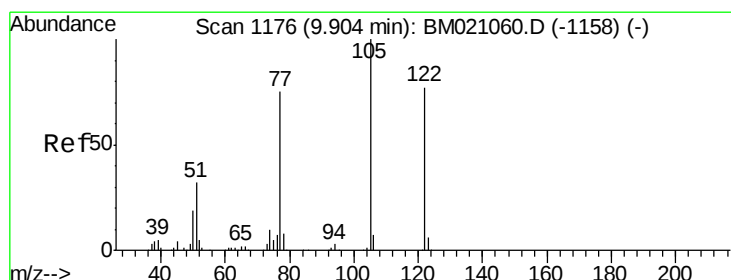
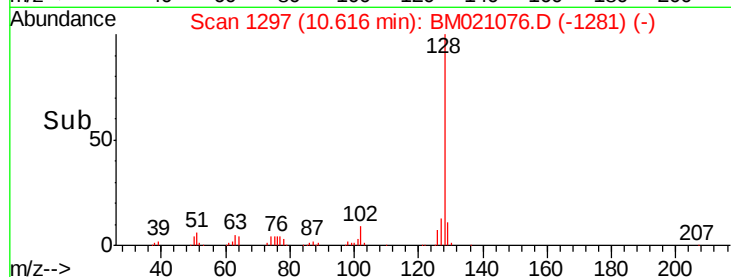
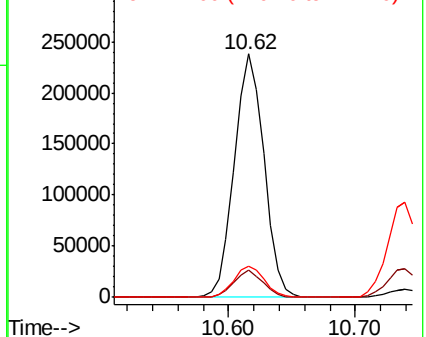
128 100

129 11.2 8.6 13.0

127 12.7 10.8 16.2



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



#32

Benzoic acid

Concen: 3.687 ng

RT: 9.83 min Scan# 1163

Delta R.T. -0.08 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

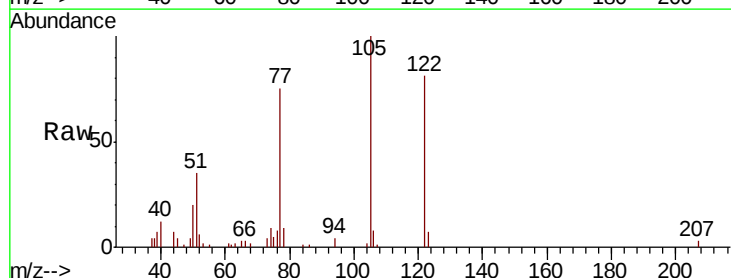
Tgt Ion:122 Resp: 37426

Ion Ratio Lower Upper

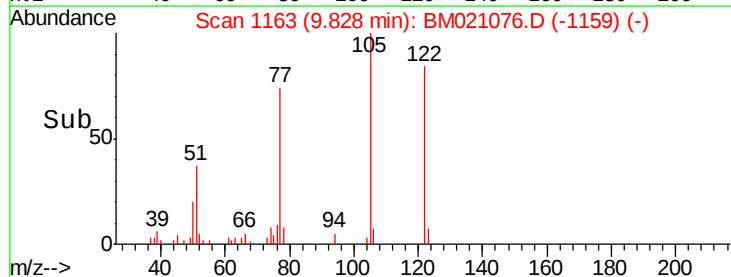
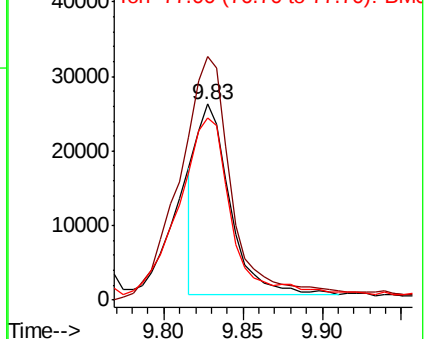
122 100

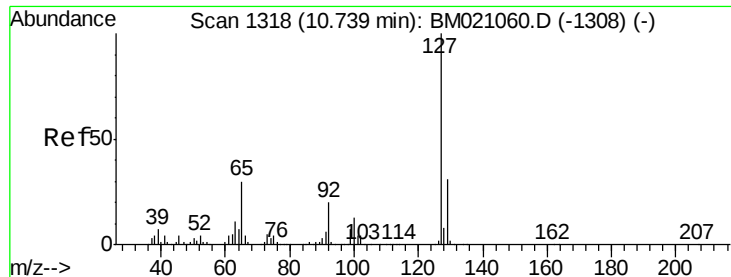
105 124.2 108.9 148.9

77 93.1 76.7 116.7



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

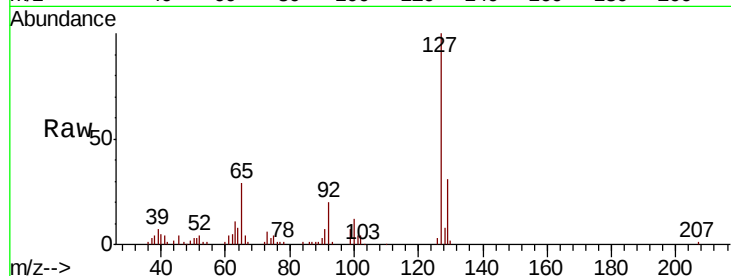




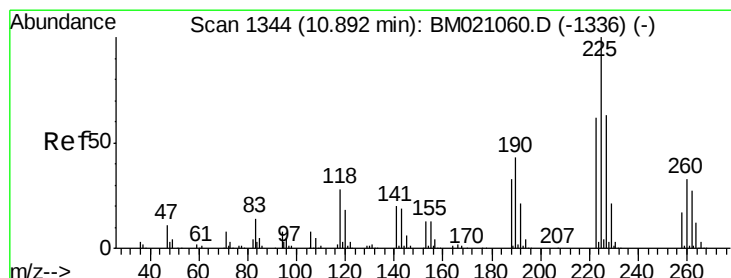
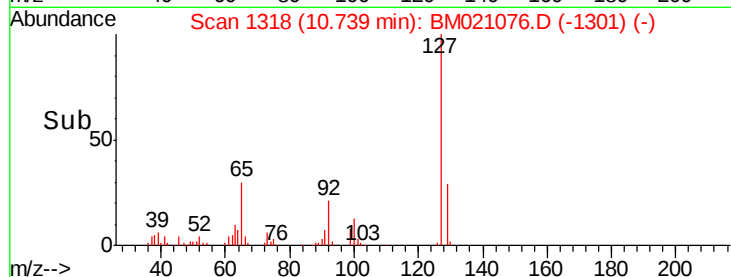
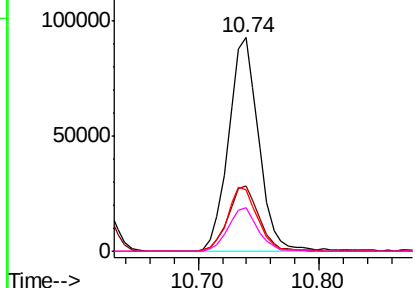
#33
4-Chloroaniline
Concen: 7.266 ng
RT: 10.74 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

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

Tgt Ion:	127	Resp:	161377
Ion	Ratio	Lower	Upper
127	100		
129	30.6	25.1	37.7
65	28.9	23.8	35.8
92	20.5	15.7	23.5

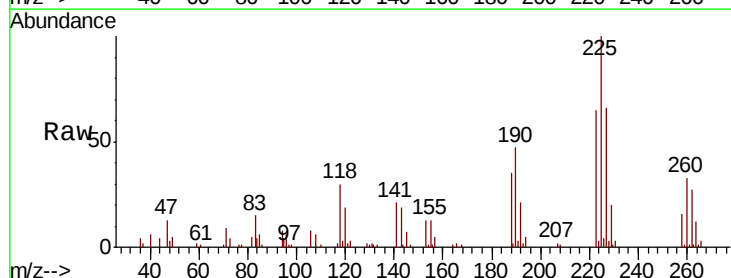


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

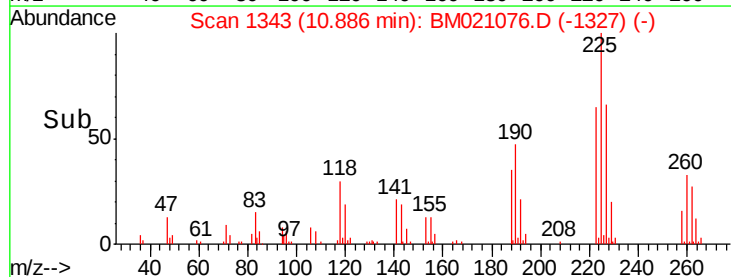
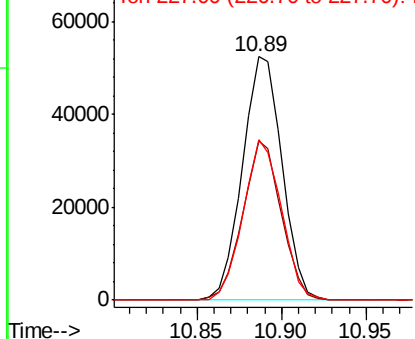


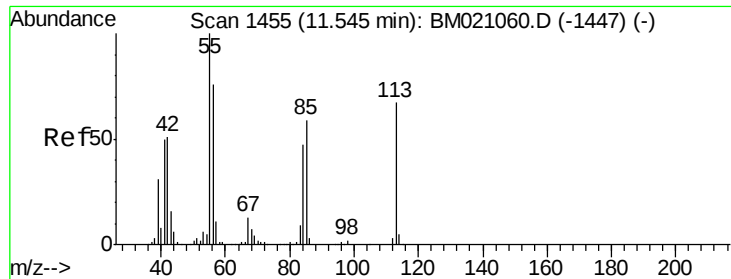
#34
Hexachlorobutadiene
Concen: 7.090 ng
RT: 10.89 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:	225	Resp:	85698
Ion	Ratio	Lower	Upper
225	100		
223	65.5	49.6	74.4
227	65.7	50.4	75.6



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

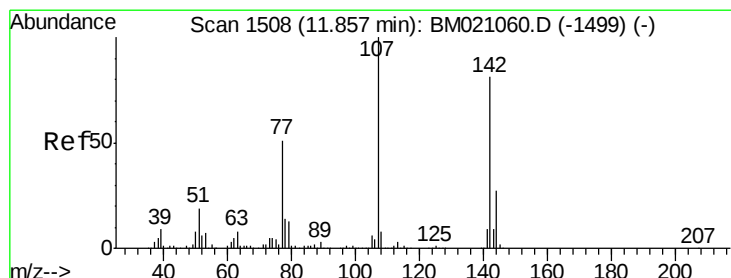
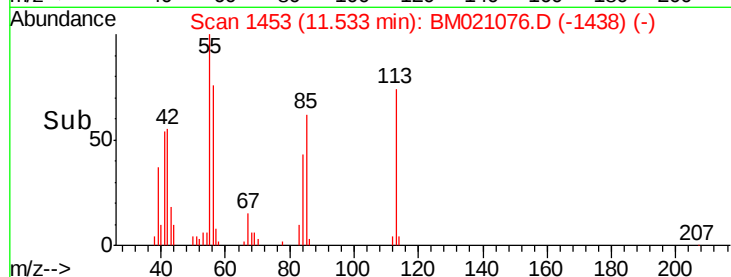
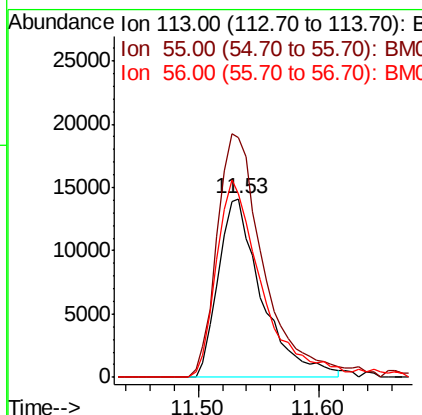
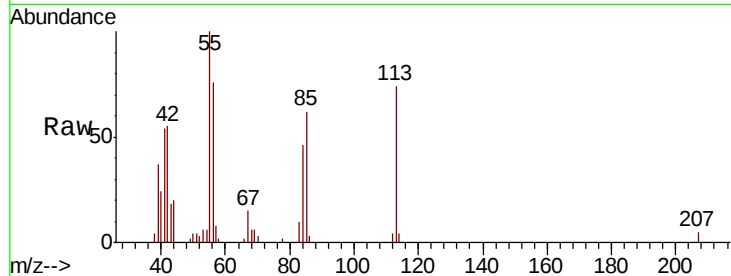




#35
 Caprolactam
 Concen: 6.961 ng
 RT: 11.53 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

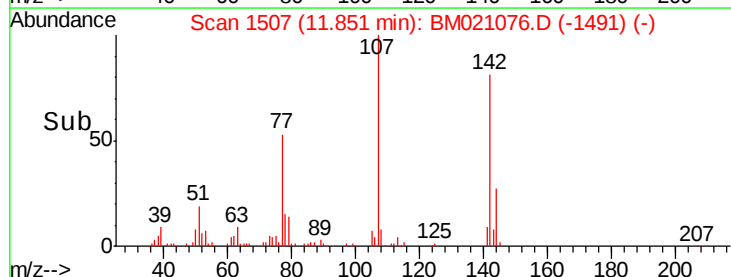
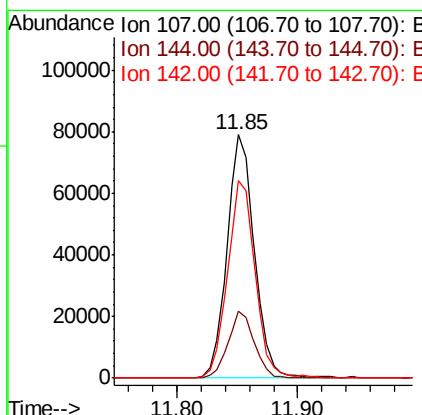
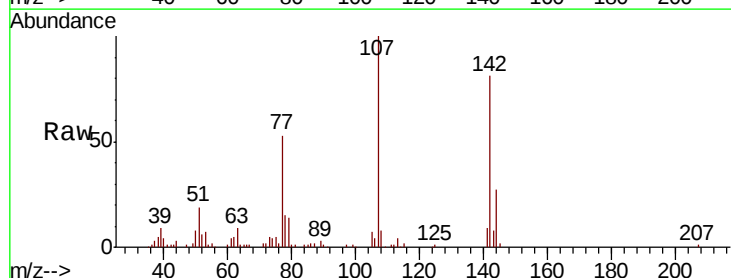
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

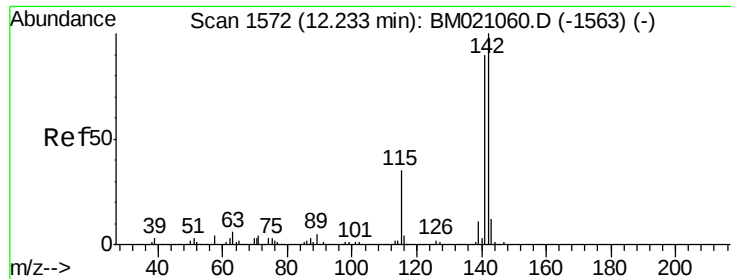
Tgt Ion:113 Resp: 35361
 Ion Ratio Lower Upper
 113 100
 55 134.5 129.8 169.8
 56 102.8 94.3 134.3



#36
 4-Chloro-3-methylphenol
 Concen: 7.537 ng
 RT: 11.85 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

Tgt Ion:107 Resp: 124560
 Ion Ratio Lower Upper
 107 100
 144 27.3 21.3 31.9
 142 81.3 64.9 97.3

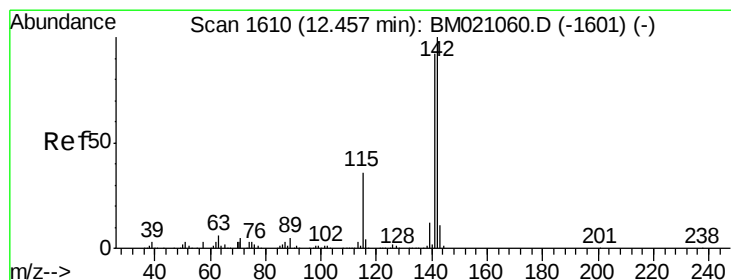
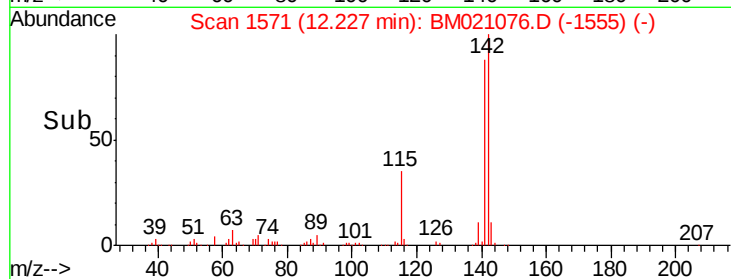
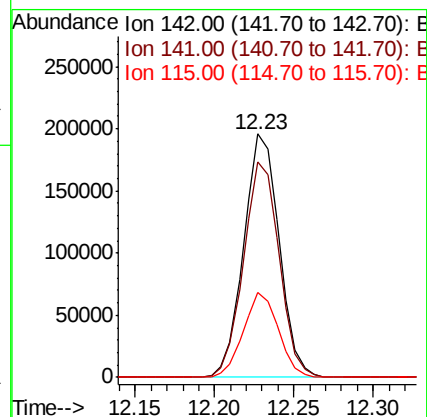
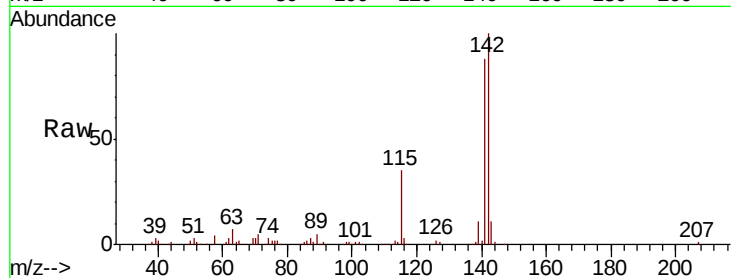




#37
2-Methylnaphthalene
Concen: 8.081 ng
RT: 12.23 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

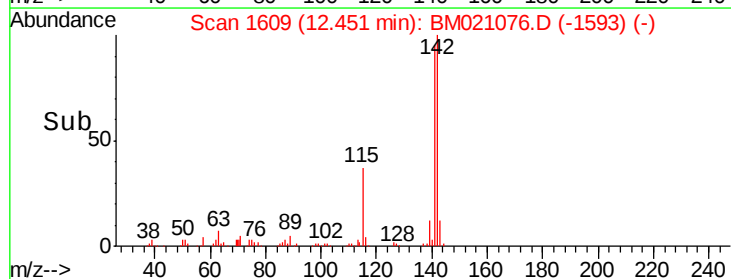
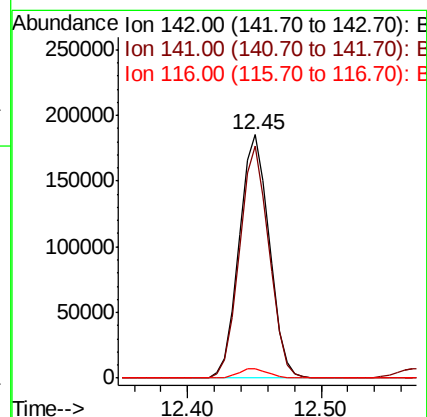
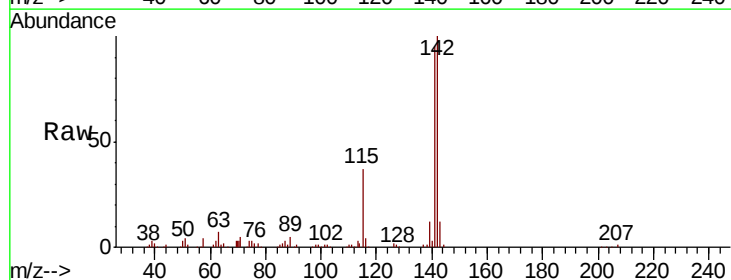
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

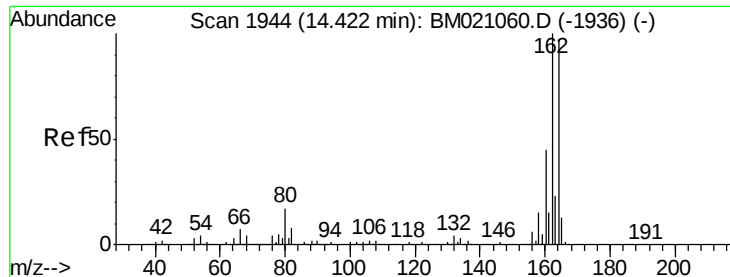
Tgt Ion:142 Resp: 304194
Ion Ratio Lower Upper
142 100
141 88.5 72.2 108.2
115 35.1 27.9 41.9



#38
1-Methylnaphthalene
Concen: 8.081 ng
RT: 12.45 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:142 Resp: 290120
Ion Ratio Lower Upper
142 100
141 95.1 73.9 110.9
116 4.1 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.42 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

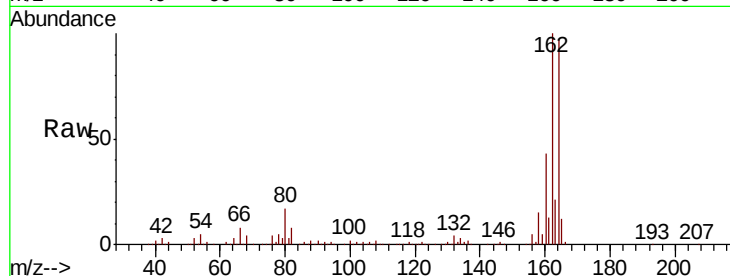
Tgt Ion:164 Resp: 637050

Ion Ratio Lower Upper

164 100

162 102.8 82.1 123.1

160 43.8 37.1 55.7

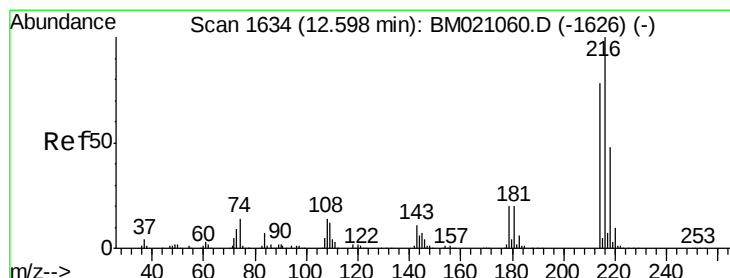
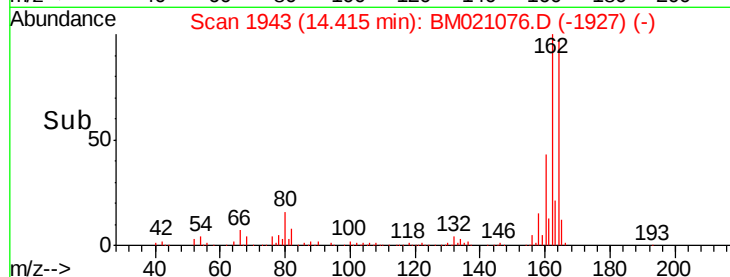
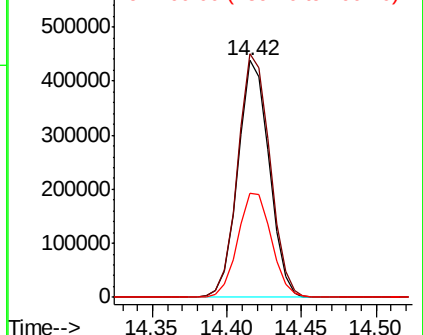


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 7.757 ng

RT: 12.60 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Tgt Ion:216 Resp: 187030

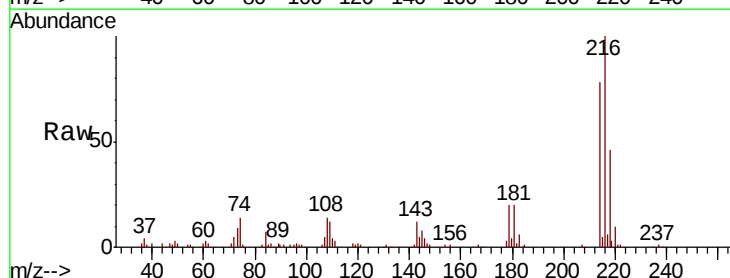
Ion Ratio Lower Upper

216 100

214 77.7 63.0 94.6

179 20.7 16.4 24.6

108 16.0 12.5 18.7



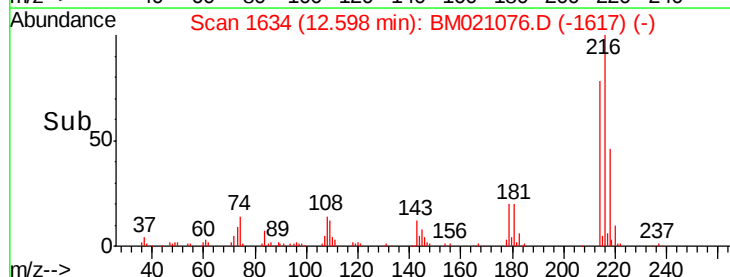
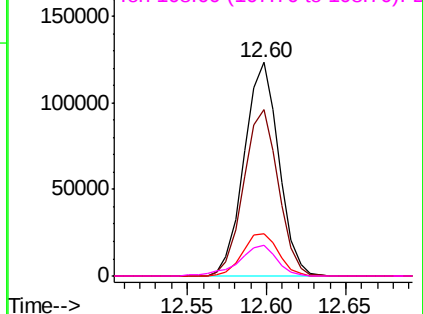
Abundance

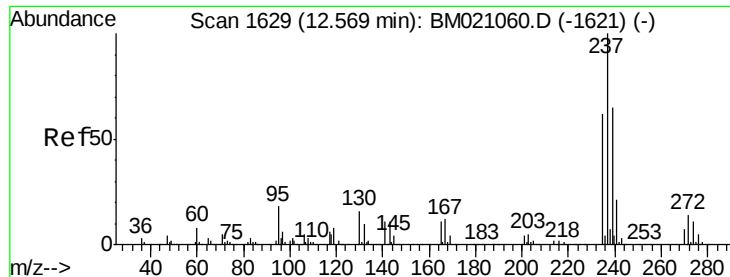
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 6.614 ng

RT: 12.57 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

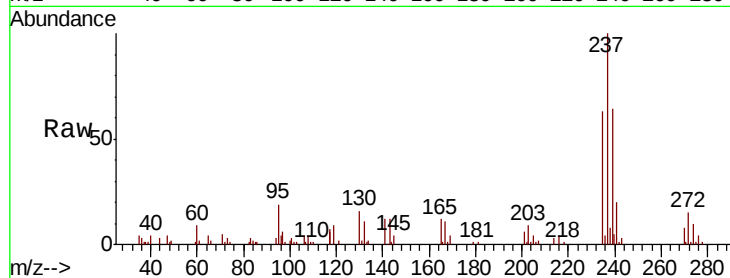
Tgt Ion: 237 Resp: 92451

Ion Ratio Lower Upper

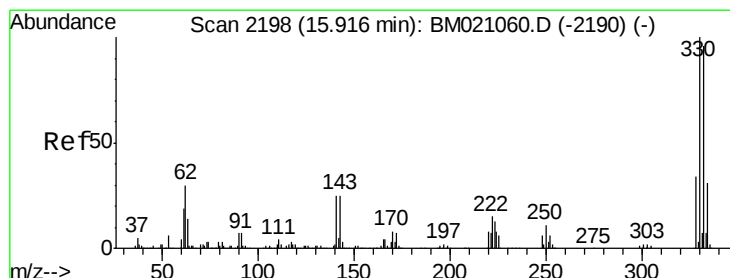
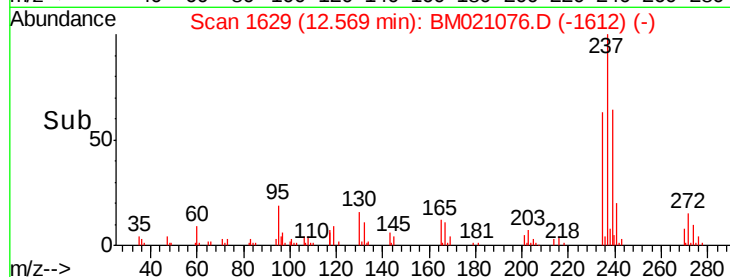
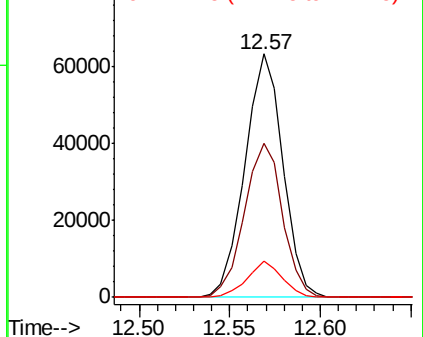
237 100

235 63.1 41.7 81.7

272 15.0 0.0 34.1



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



#42

2,4,6-Tribromophenol

Concen: 138.861 ng

RT: 15.92 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

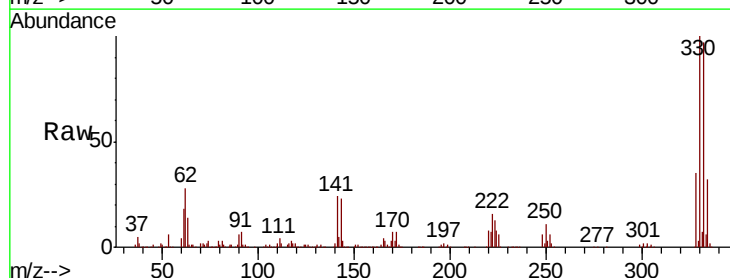
Tgt Ion: 330 Resp: 1659933

Ion Ratio Lower Upper

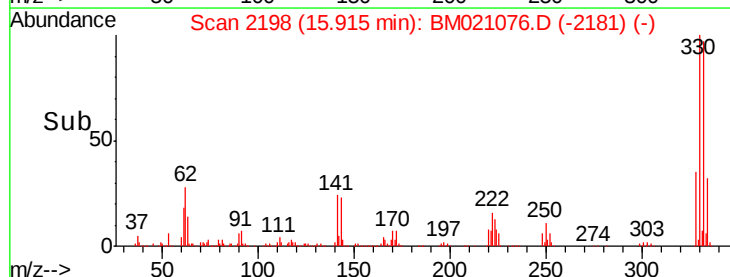
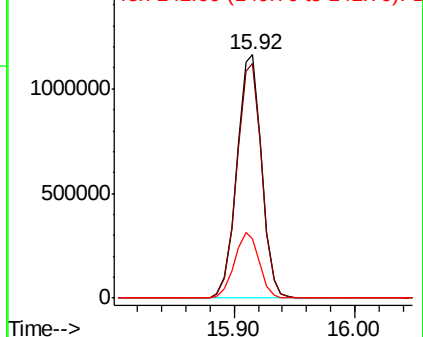
330 100

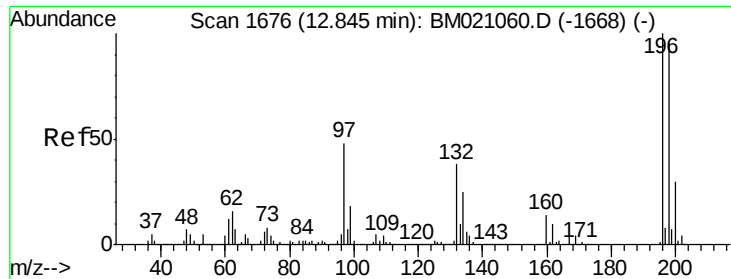
332 96.8 77.1 115.7

141 27.2 21.8 32.8



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

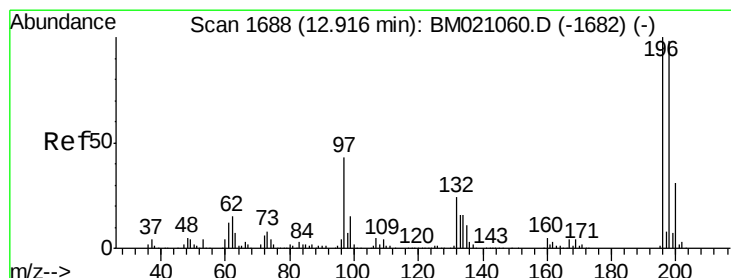
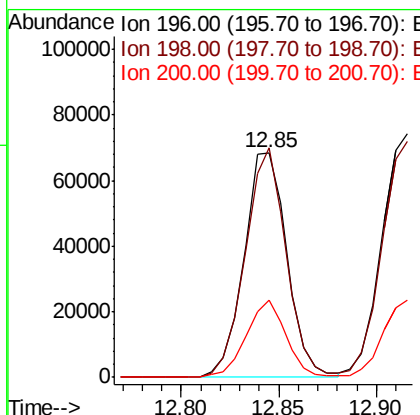
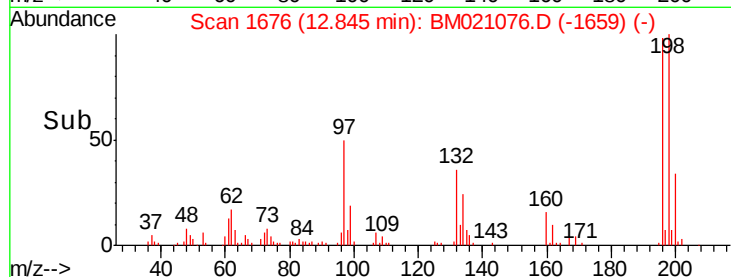
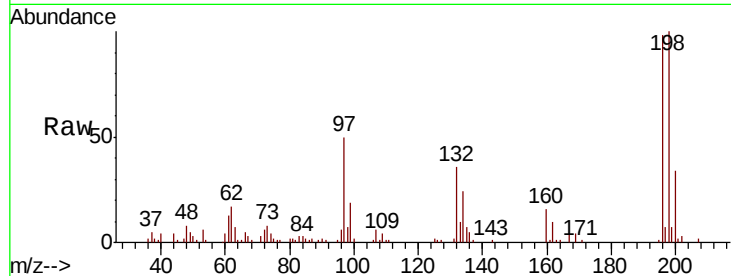




#43
 2,4,6-Trichlorophenol
 Concen: 6.547 ng
 RT: 12.85 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

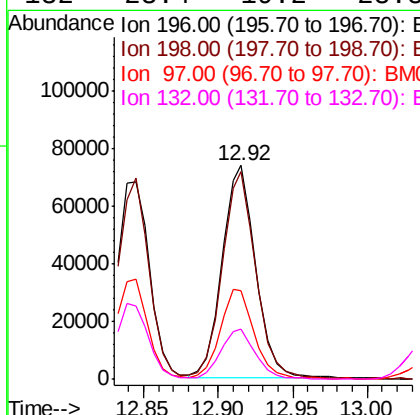
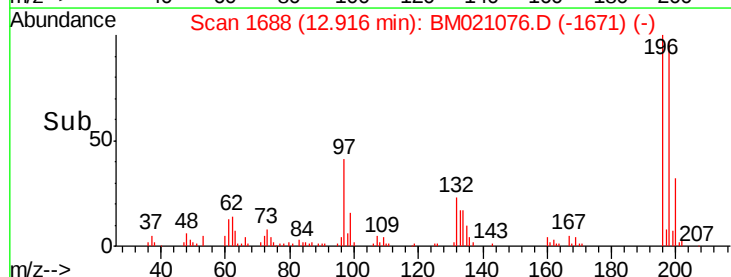
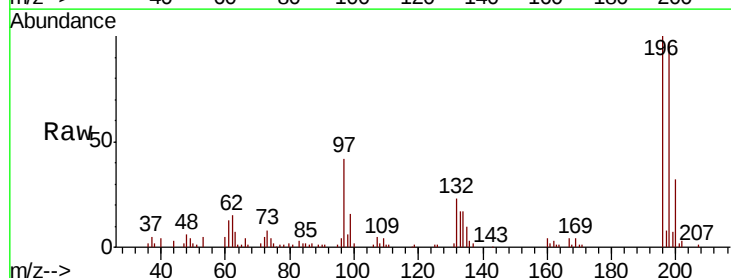
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

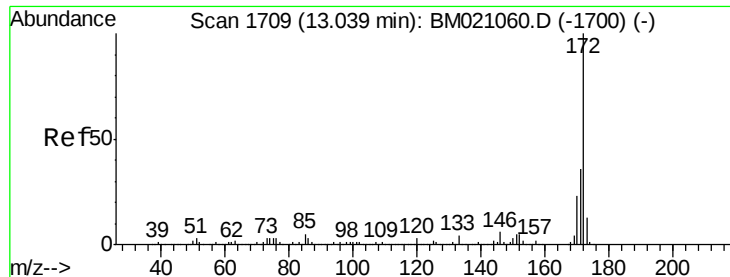
Tgt Ion:196 Resp: 104460
 Ion Ratio Lower Upper
 196 100
 198 102.2 76.7 115.1
 200 34.3 24.2 36.4



#44
 2,4,5-Trichlorophenol
 Concen: 6.939 ng
 RT: 12.92 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

Tgt Ion:196 Resp: 114655
 Ion Ratio Lower Upper
 196 100
 198 97.0 78.2 117.4
 97 41.6 34.1 51.1
 132 23.4 19.2 28.8

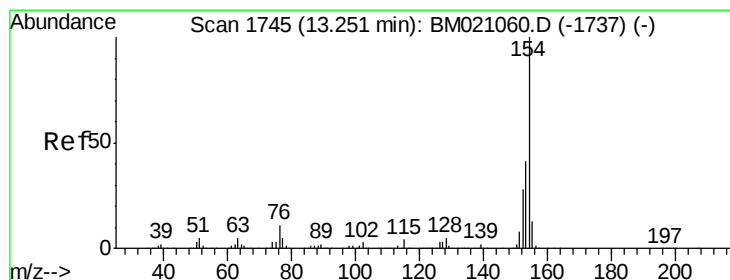
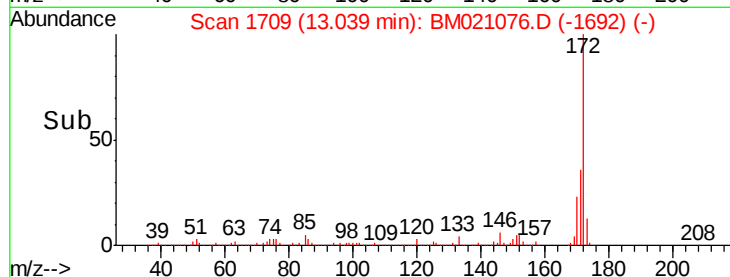
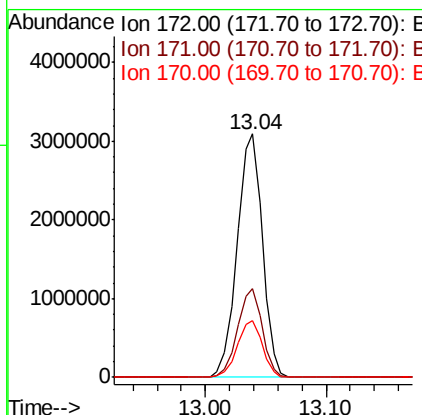
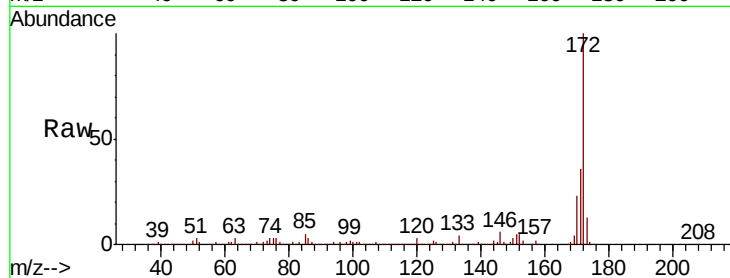




#45
2-Fluorobiphenyl
Concen: 86.893 ng
RT: 13.04 min Scan# 1709
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

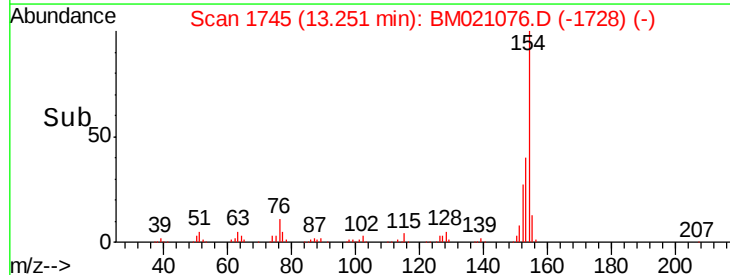
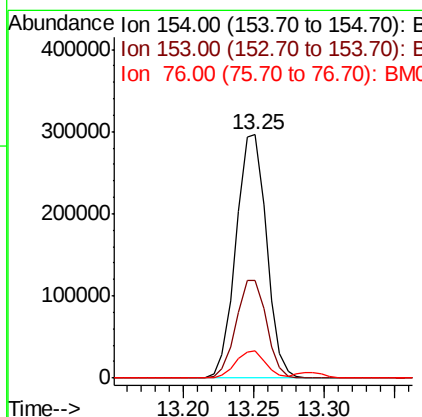
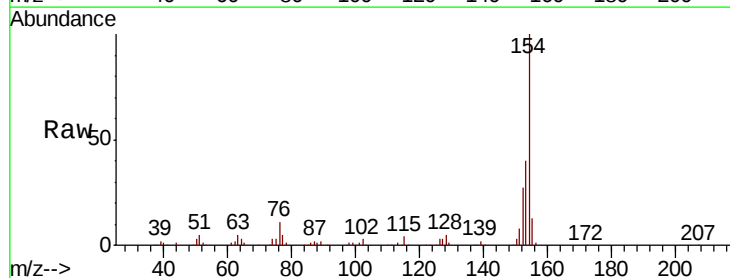
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

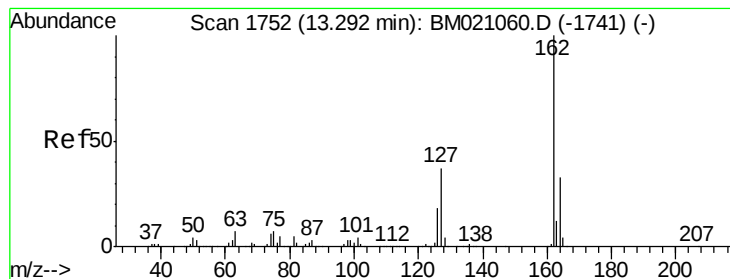
Tgt Ion:172 Resp: 4504087
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.4 18.7 28.1



#46
1,1'-Biphenyl
Concen: 8.221 ng
RT: 13.25 min Scan# 1745
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:154 Resp: 448223
Ion Ratio Lower Upper
154 100
153 39.9 21.3 61.3
76 11.0 0.0 30.9





#47

2-Chloronaphthalene

Concen: 7.351 ng

RT: 13.29 min Scan# 1752

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

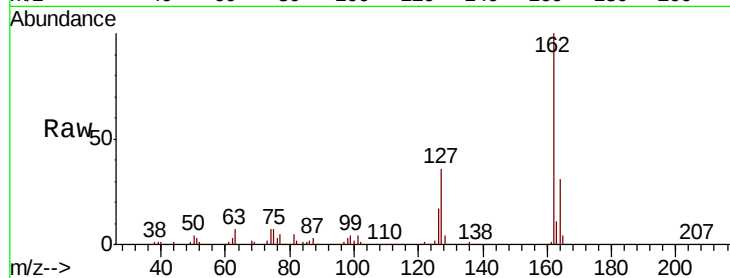
Tgt Ion: 162 Resp: 325540

Ion Ratio Lower Upper

162 100

127 35.7 29.4 44.2

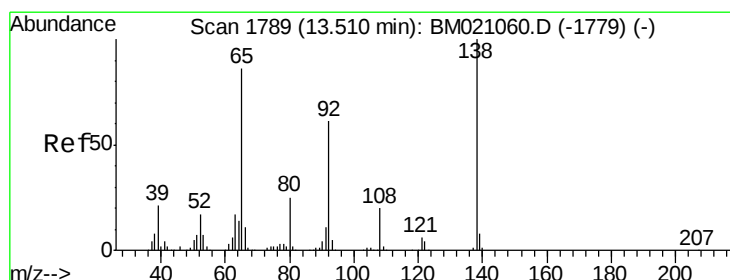
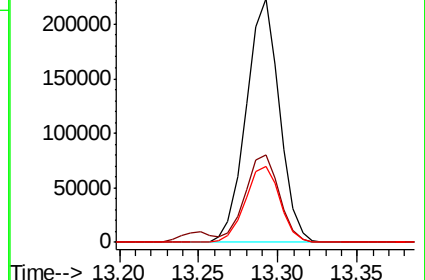
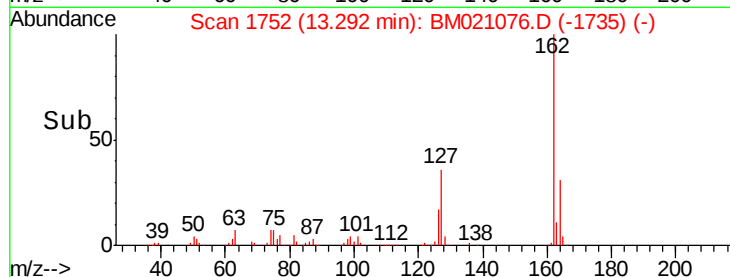
164 31.0 26.5 39.7



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 6.287 ng

RT: 13.50 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

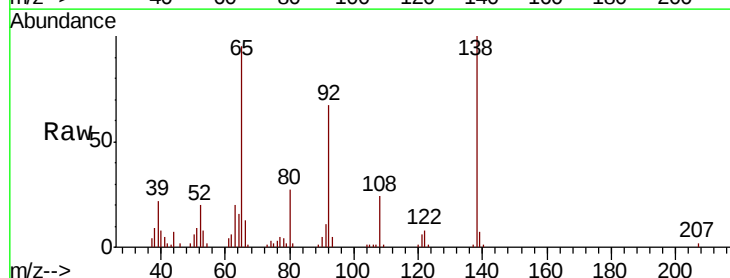
Tgt Ion: 65 Resp: 76168

Ion Ratio Lower Upper

65 100

92 70.2 56.3 84.5

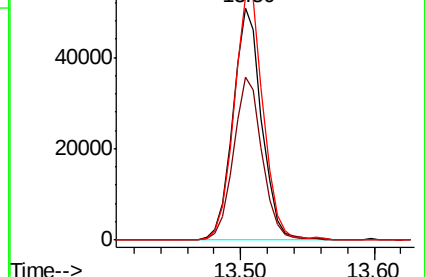
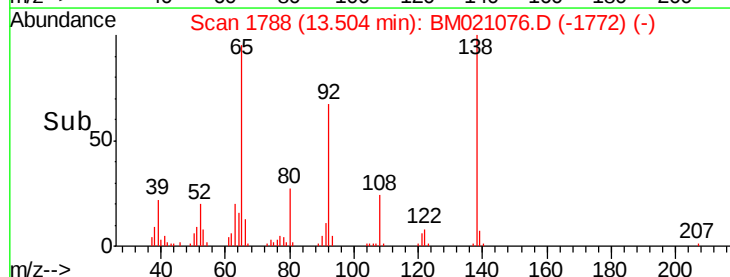
138 104.9 92.6 139.0

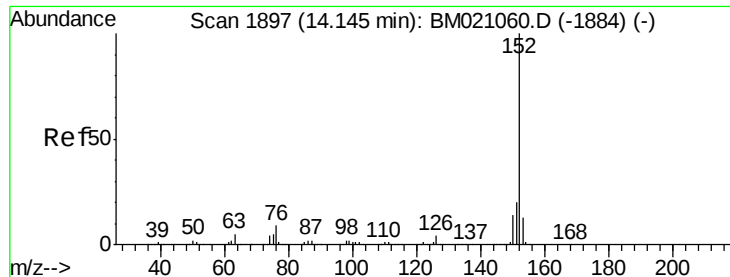


Abundance Ion 65.00 (64.70 to 65.70): BM0

Ion 92.00 (91.70 to 92.70): BM0

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 7.692 ng

RT: 14.14 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

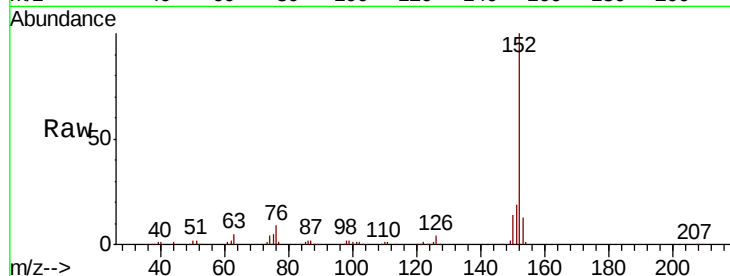
Tgt Ion:152 Resp: 518369

Ion Ratio Lower Upper

152 100

151 19.4 16.1 24.1

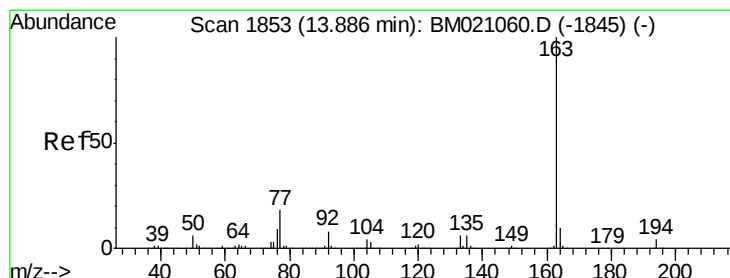
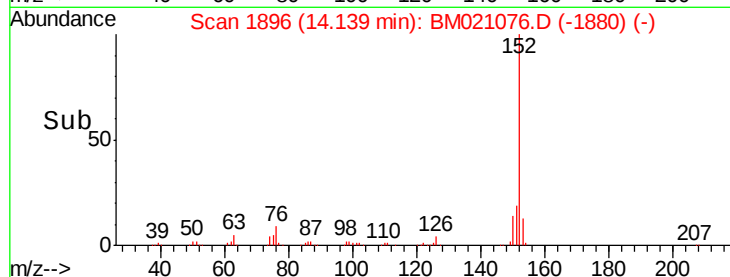
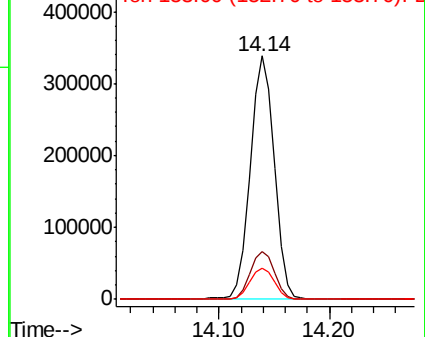
153 12.8 10.6 16.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.799 ng

RT: 13.88 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

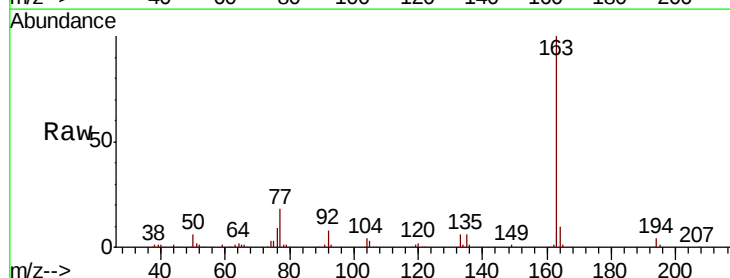
Tgt Ion:163 Resp: 441718

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

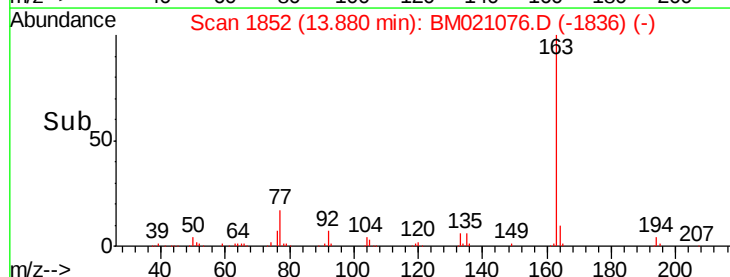
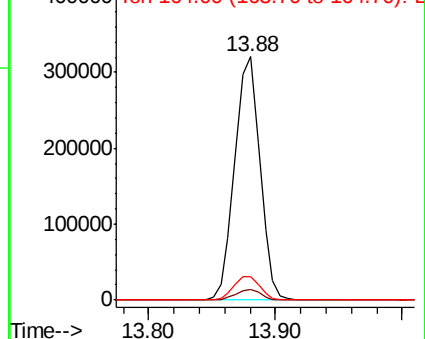
164 9.6 8.2 12.2

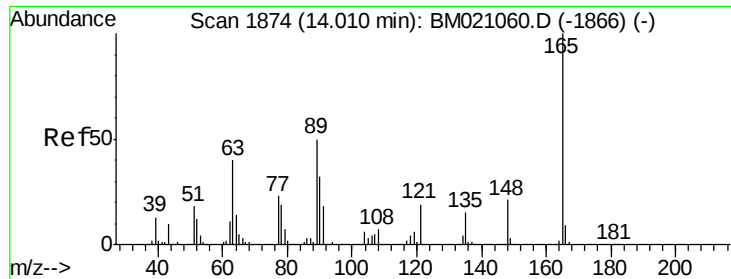


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

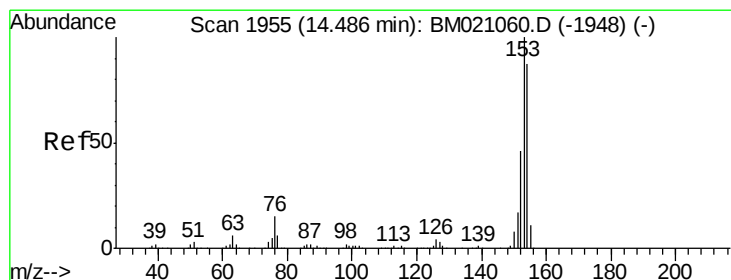
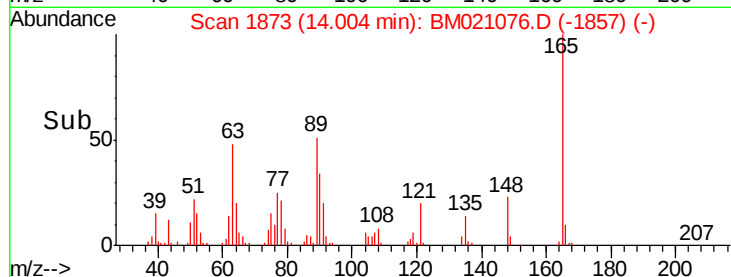
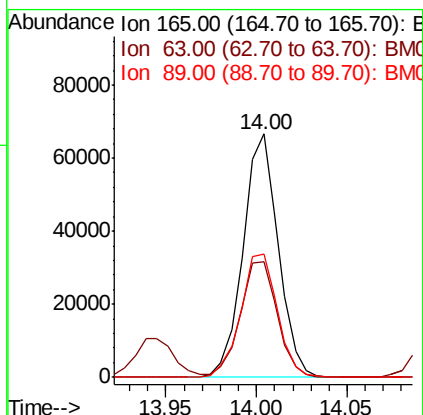
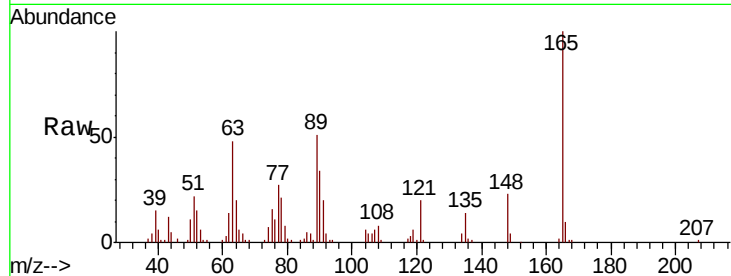




#51
2,6-Dinitrotoluene
Concen: 7.349 ng
RT: 14.00 min Scan# 1873
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

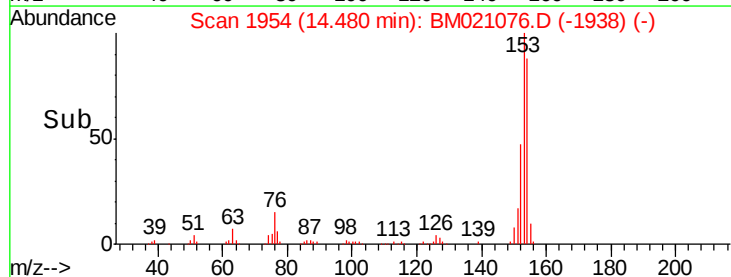
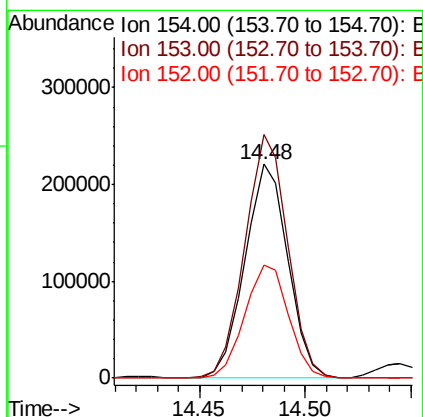
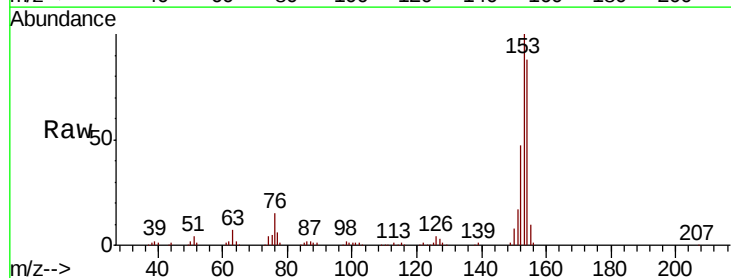
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

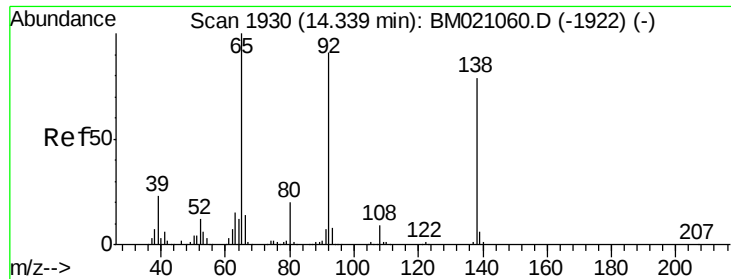
Tgt Ion:165 Resp: 89548
Ion Ratio Lower Upper
165 100
63 47.7 37.8 56.6
89 50.8 39.7 59.5



#52
Acenaphthene
Concen: 7.682 ng
RT: 14.48 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:154 Resp: 312350
Ion Ratio Lower Upper
154 100
153 113.9 91.5 137.3
152 53.0 42.3 63.5

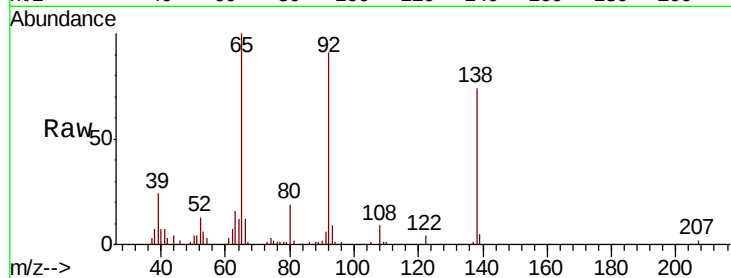




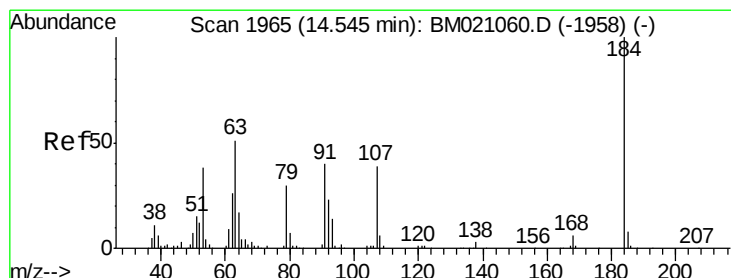
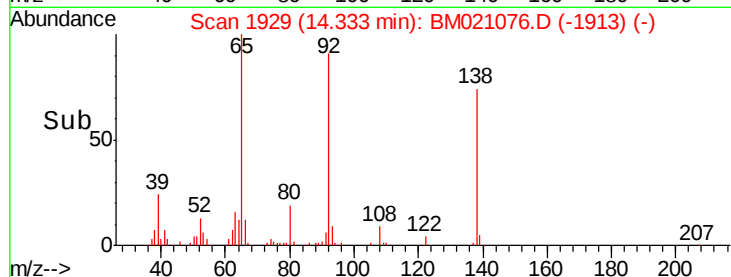
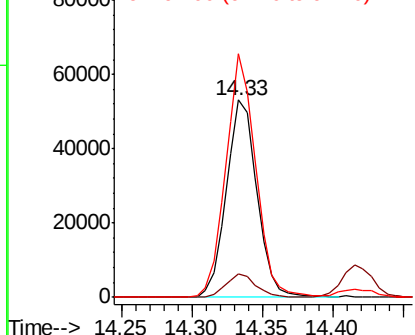
#53
3-Nitroaniline
Concen: 6.478 ng
RT: 14.33 min Scan# 1929
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

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

Tgt Ion:138 Resp: 80467
Ion Ratio Lower Upper
138 100
108 12.0 9.0 13.4
92 123.4 92.2 138.2

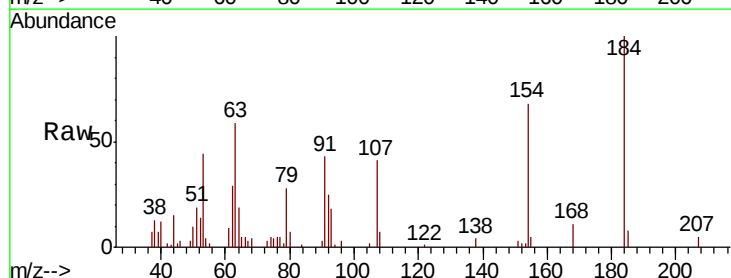


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BM

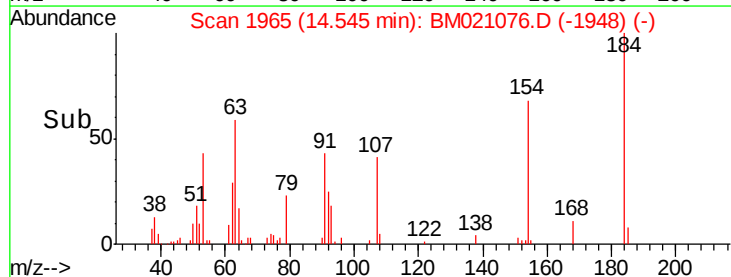
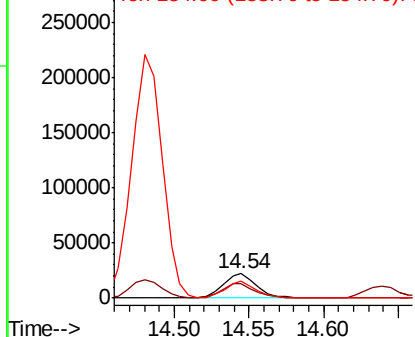


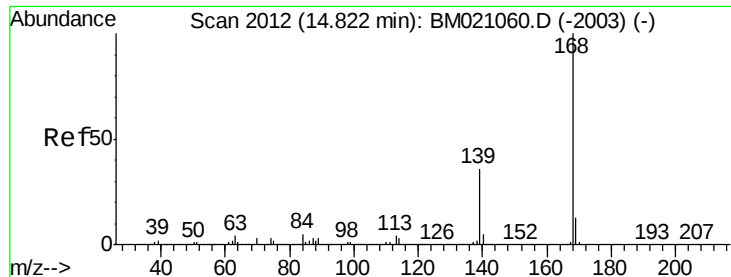
#54
2,4-Dinitrophenol
Concen: 5.323 ng
RT: 14.54 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:184 Resp: 34841
Ion Ratio Lower Upper
184 100
63 58.6 45.5 68.3
154 67.9 50.6 76.0



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

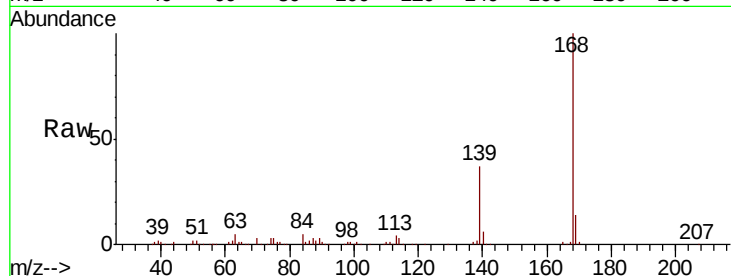




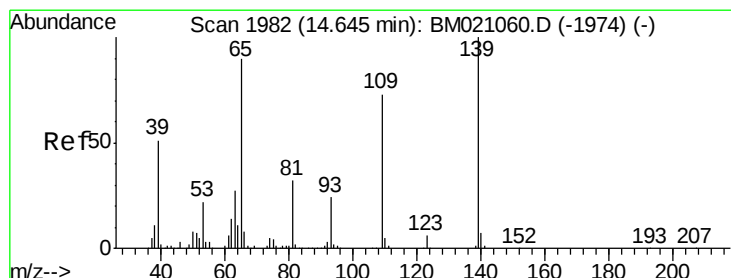
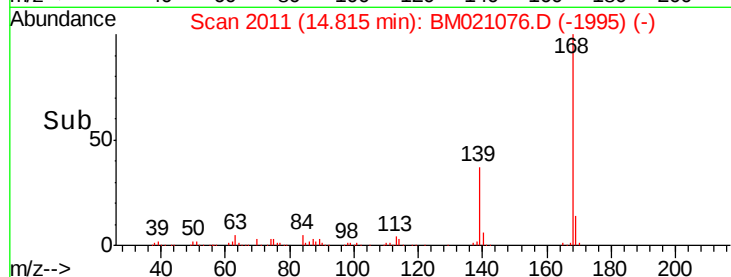
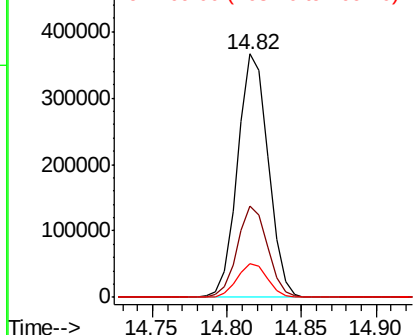
#55
Dibenzenofuran
Concen: 7.903 ng
RT: 14.82 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

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

Tgt Ion:168 Resp: 524173
Ion Ratio Lower Upper
168 100
139 37.4 28.4 42.6
169 13.7 10.6 16.0

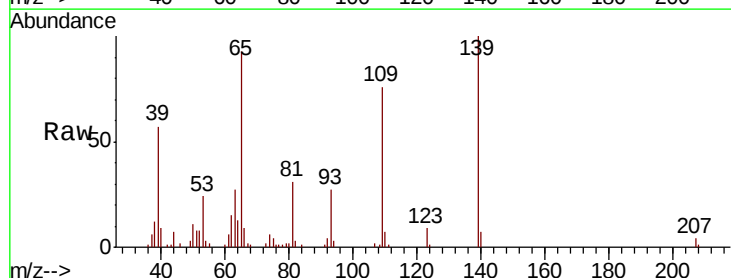


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

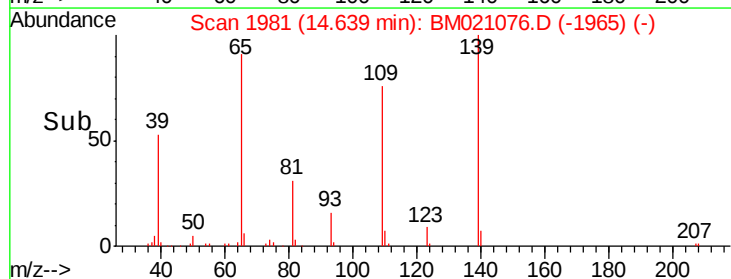
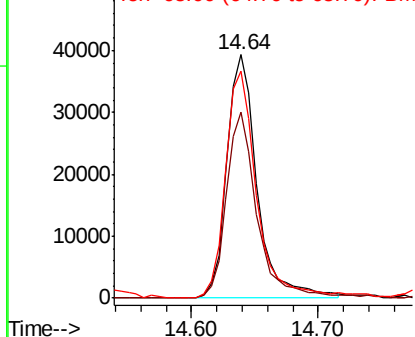


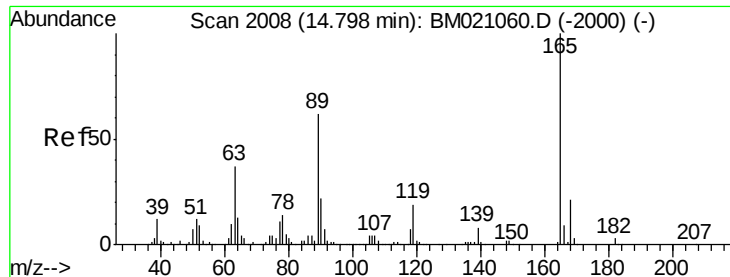
#56
4-Nitrophenol
Concen: 6.835 ng
RT: 14.64 min Scan# 1981
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:139 Resp: 64923
Ion Ratio Lower Upper
139 100
109 76.2 53.3 93.3
65 93.4 70.3 110.3



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM

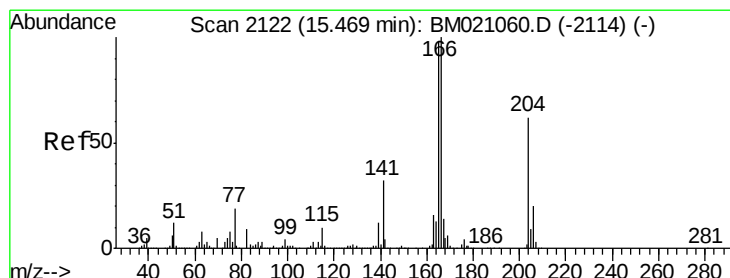
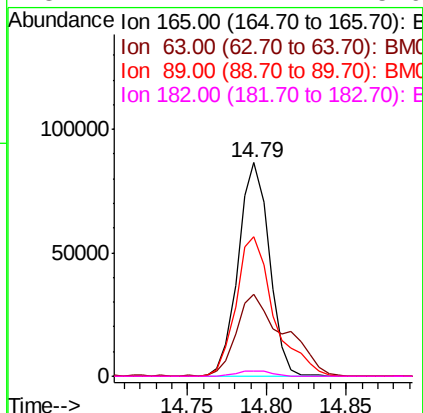
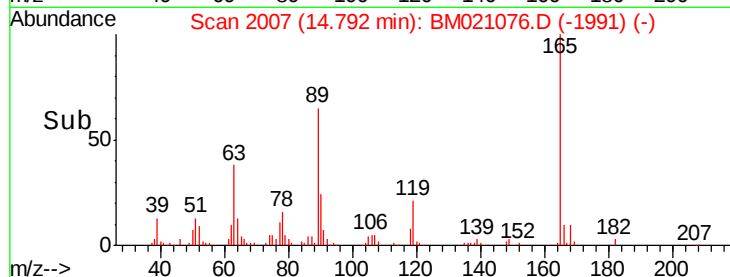
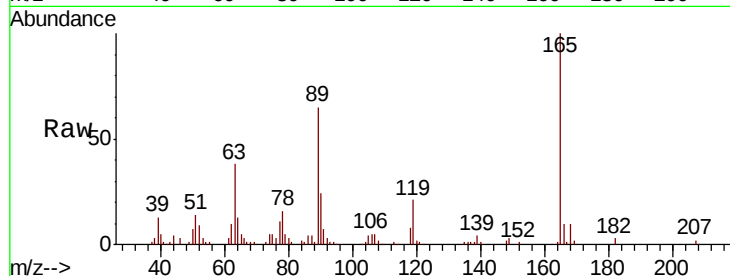




#57
2,4-Dinitrotoluene
Concen: 7.028 ng
RT: 14.79 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

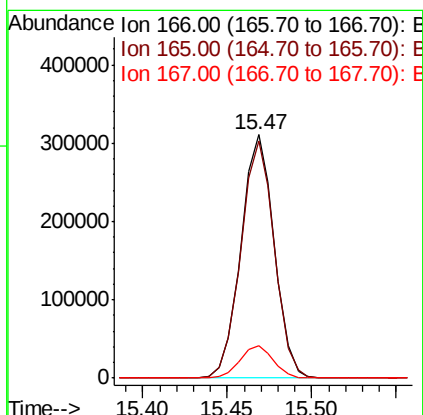
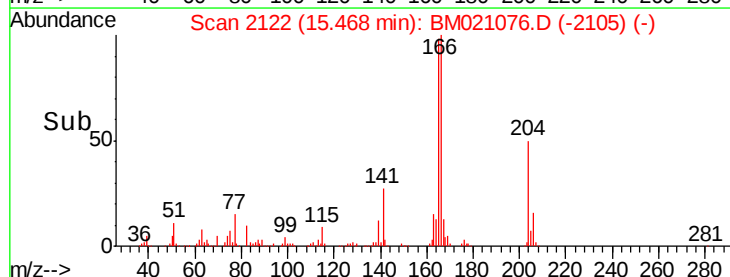
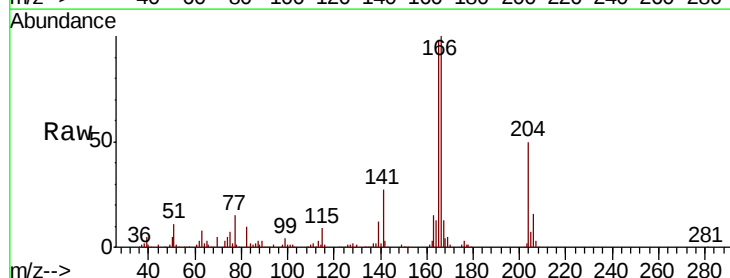
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

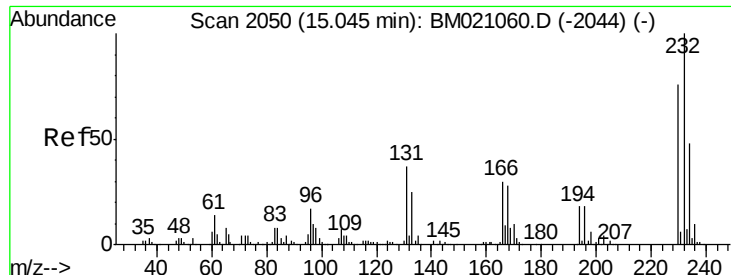
Tgt Ion	Ratio	Lower	Upper
165	100		
63	38.2	29.6	44.4
89	65.1	49.5	74.3
182	2.7	2.4	3.6



#58
Fluorene
Concen: 7.845 ng
RT: 15.47 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.6	117.8
167	13.2	10.9	16.3

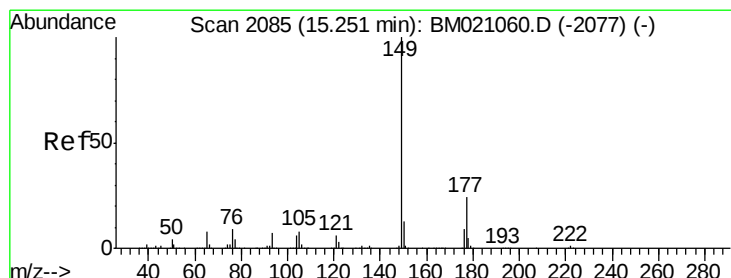
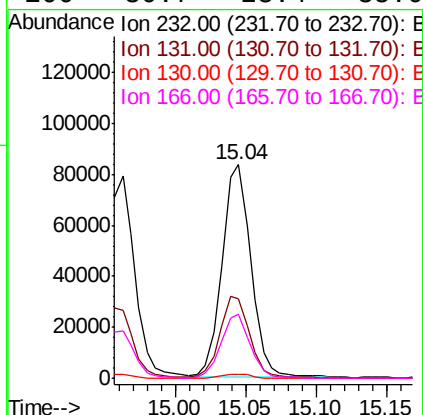
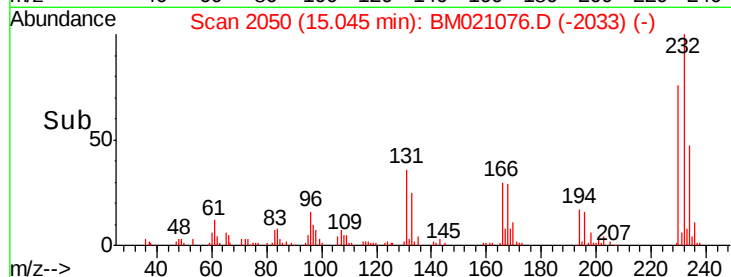
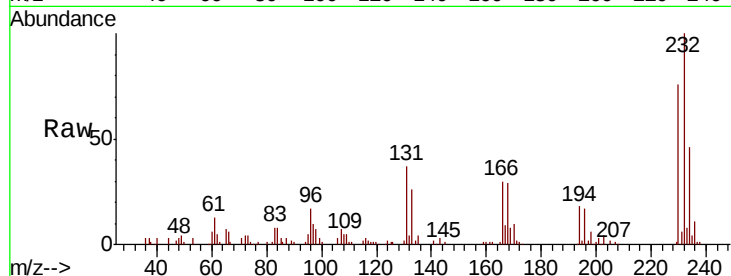




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.466 ng
 RT: 15.04 min Scan# 2050
 Delta R.T. -0.00 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

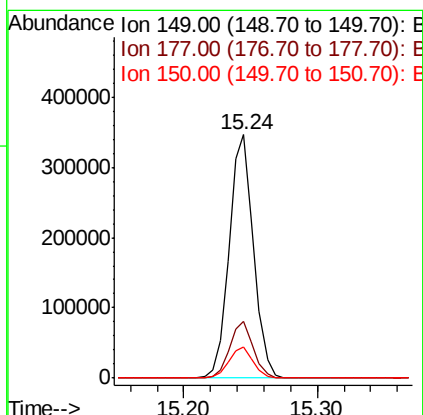
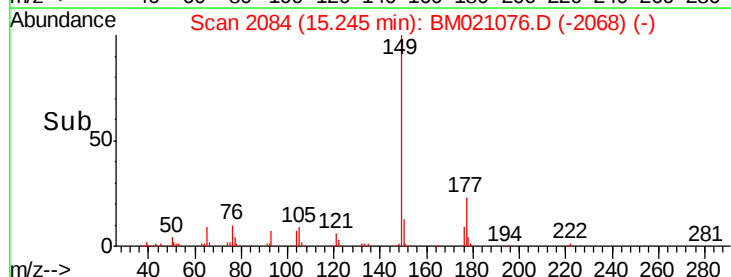
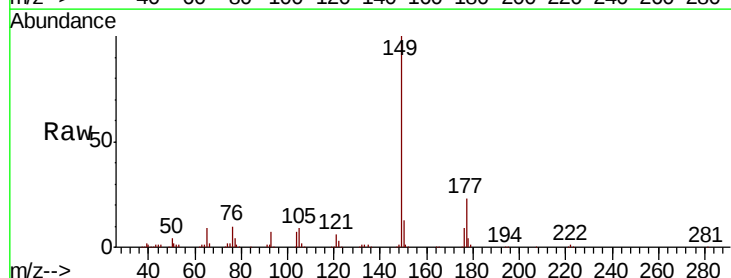
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

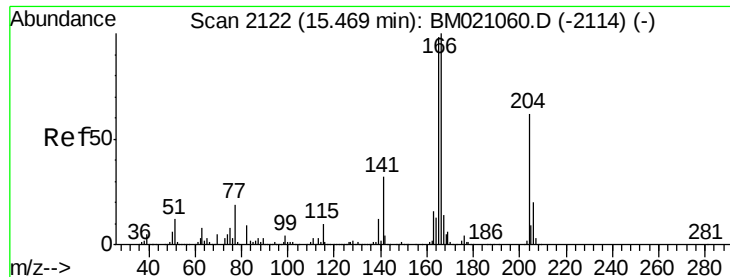
Tgt Ion: 232 Resp: 117864
 Ion Ratio Lower Upper
 232 100
 131 40.1 30.6 46.0
 130 2.0 1.7 2.5
 166 30.7 23.4 35.0



#60
 Diethylphthalate
 Concen: 7.891 ng
 RT: 15.24 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

Tgt Ion: 149 Resp: 440201
 Ion Ratio Lower Upper
 149 100
 177 23.1 19.1 28.7
 150 12.6 10.1 15.1

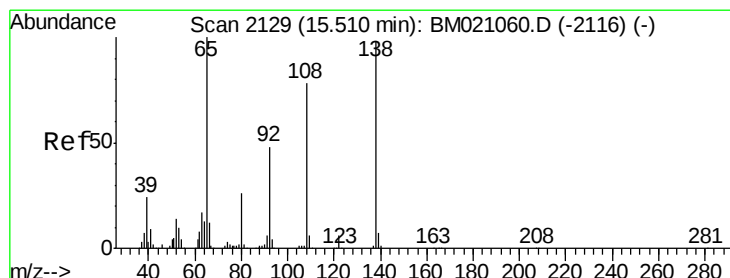
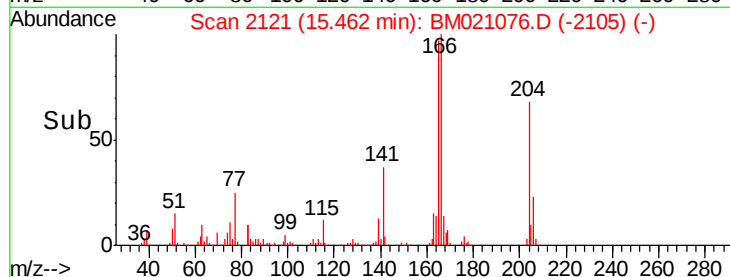
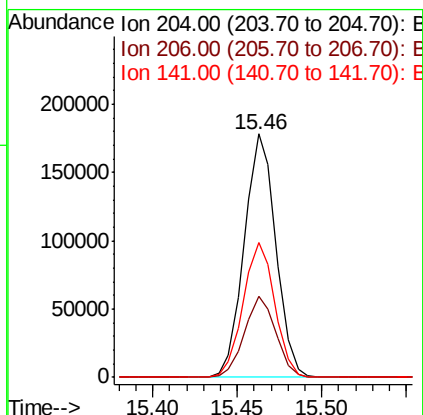
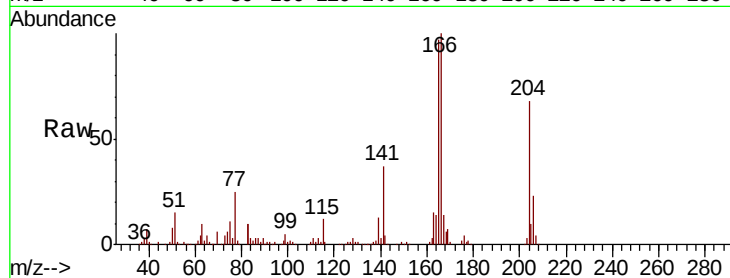




#61
4-Chlorophenyl-phenylether
Concen: 7.594 ng
RT: 15.46 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

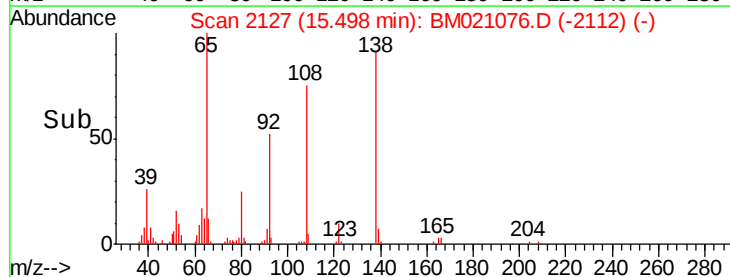
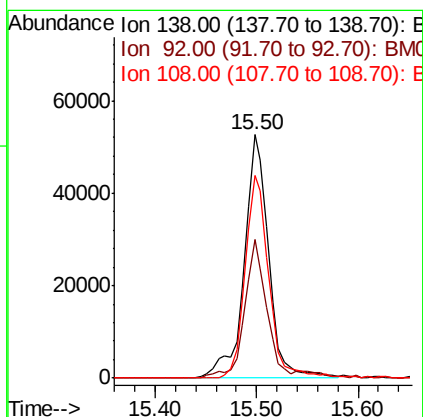
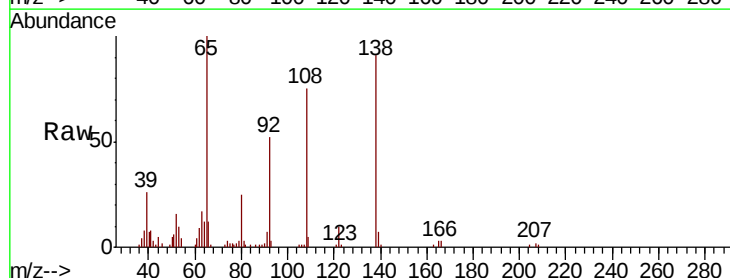
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

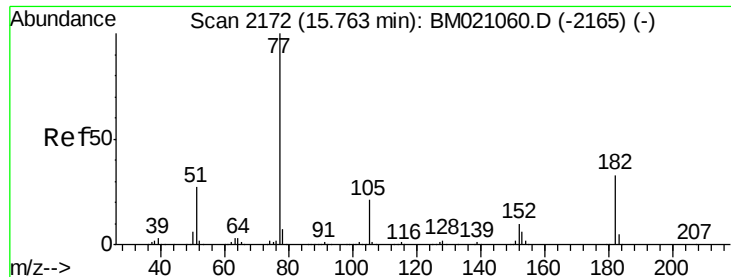
Tgt Ion:204 Resp: 232488
Ion Ratio Lower Upper
204 100
206 33.3 26.1 39.1
141 55.2 40.7 61.1



#62
4-Nitroaniline
Concen: 6.759 ng
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:138 Resp: 88130
Ion Ratio Lower Upper
138 100
92 57.2 29.1 69.1
108 83.2 59.2 99.2

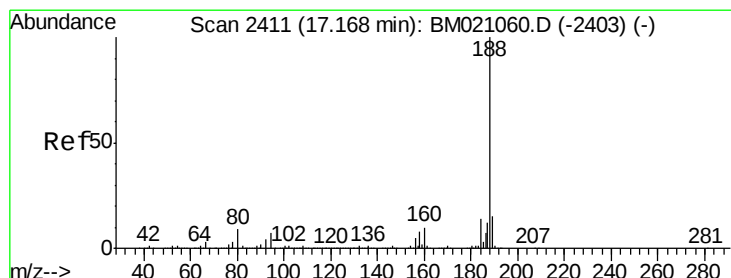
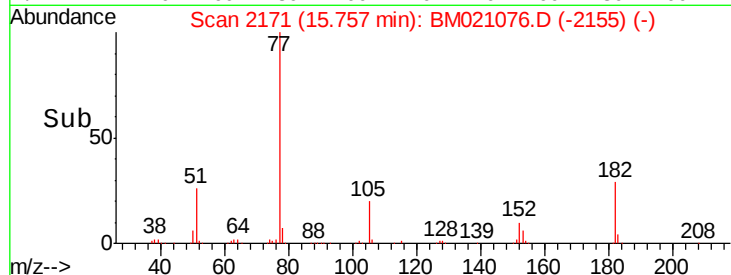
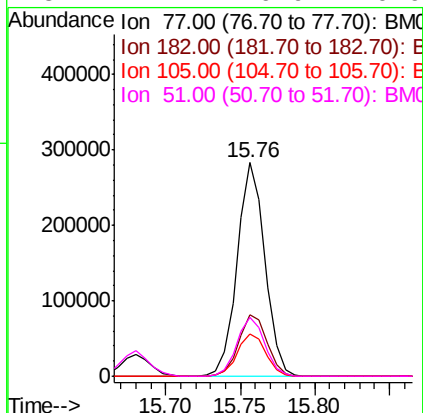
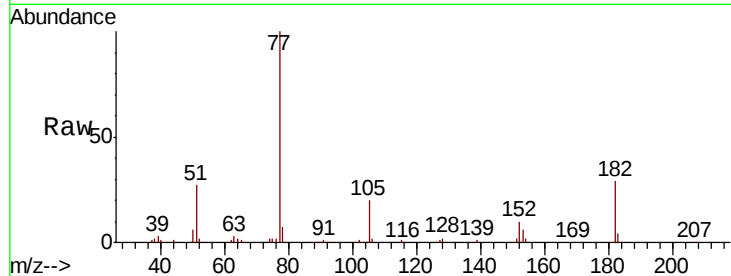




#63
Azobenzene
Concen: 8.018 ng
RT: 15.76 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

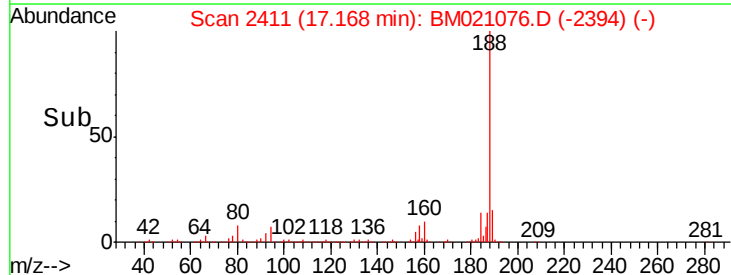
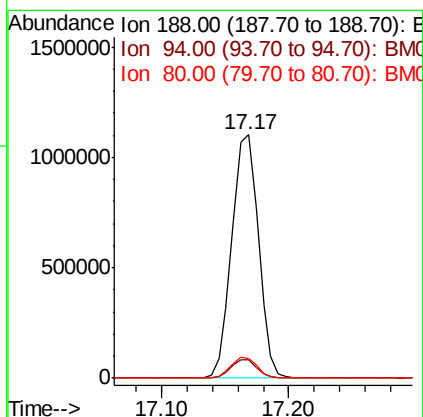
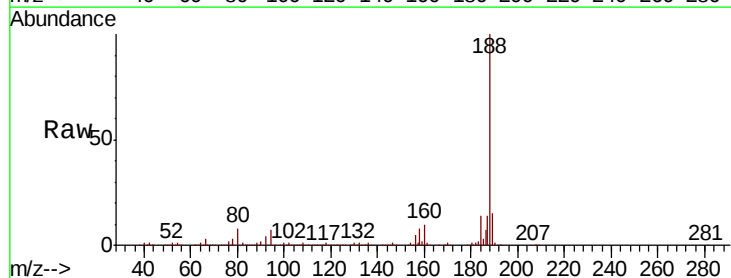
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

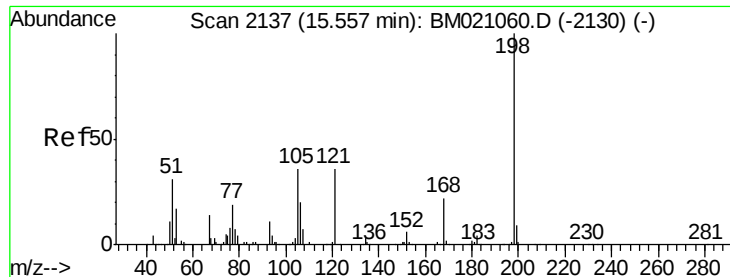
Tgt Ion	Ratio	Lower	Upper
77	100		
182	28.6	12.6	52.6
105	19.9	1.1	41.1
51	27.4	6.9	46.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.17 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.8
80	8.0	6.9	10.3

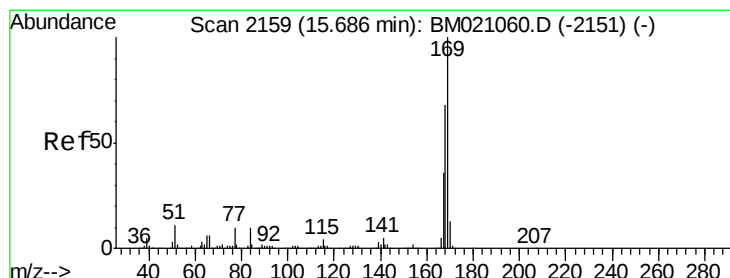
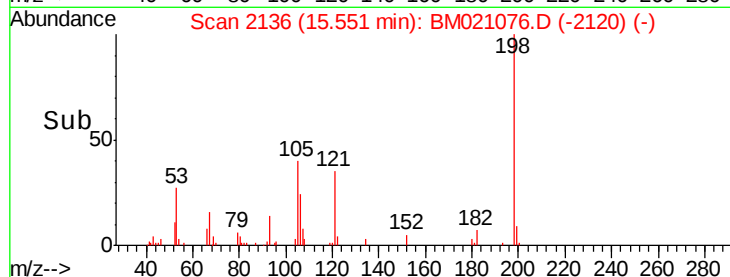
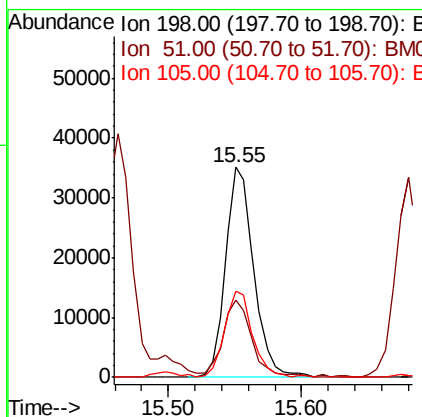
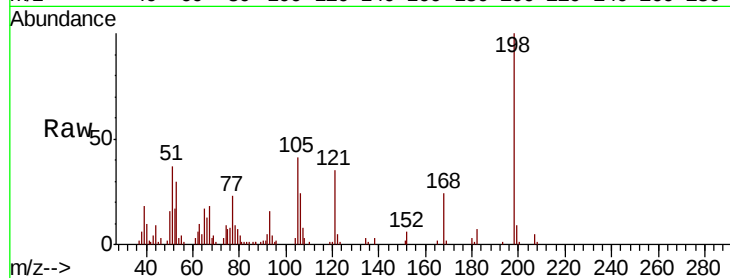




#65
4,6-Dinitro-2-methylphenol
Concen: 5.263 ng
RT: 15.55 min Scan# 2136
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

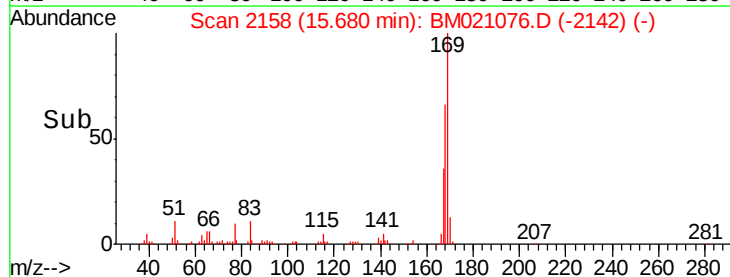
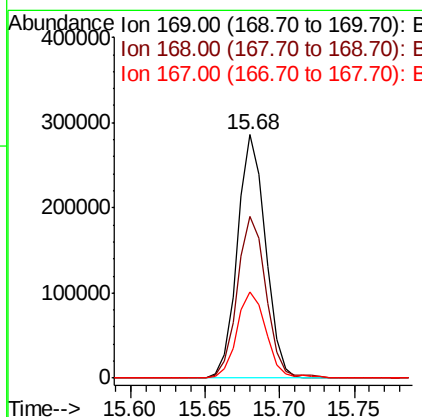
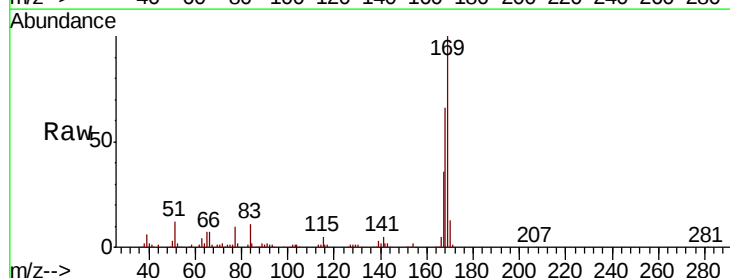
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

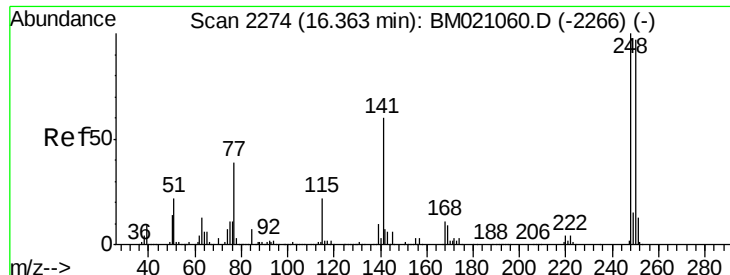
Tgt Ion:198 Resp: 52024
Ion Ratio Lower Upper
198 100
51 36.8 15.3 55.3
105 40.9 16.8 56.8



#66
n-Nitrosodiphenylamine
Concen: 7.420 ng
RT: 15.68 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:169 Resp: 374942
Ion Ratio Lower Upper
169 100
168 66.2 54.5 81.7
167 35.6 29.0 43.6





#67

4-Bromophenyl-phenylether

Concen: 6.942 ng

RT: 16.36 min Scan# 2273

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

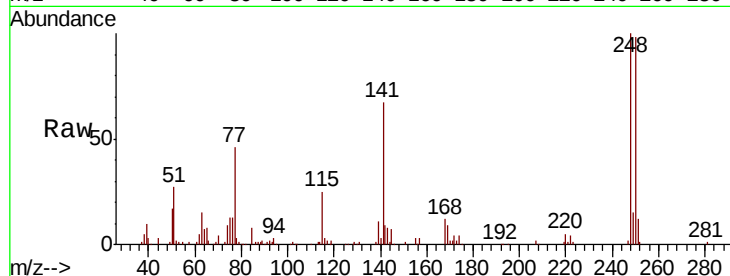
Tgt Ion:248 Resp: 148150

Ion Ratio Lower Upper

248 100

250 98.4 77.5 116.3

141 66.5 47.8 71.6

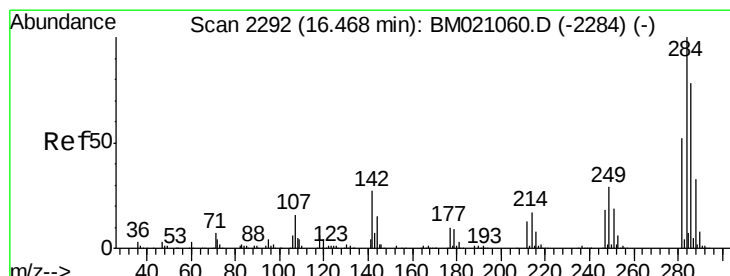
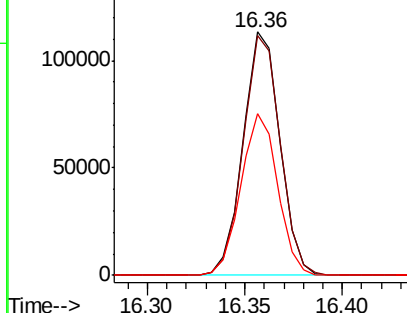
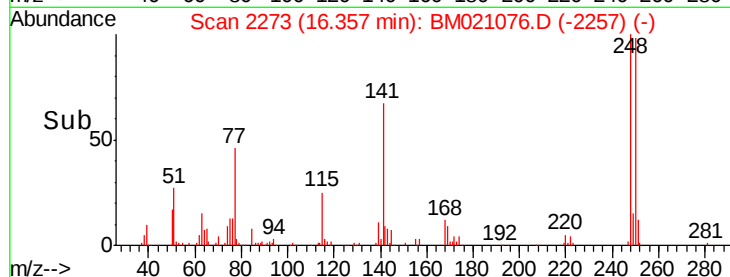


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 7.026 ng

RT: 16.46 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

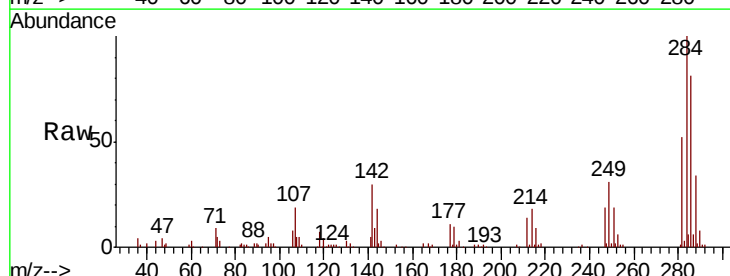
Tgt Ion:284 Resp: 179128

Ion Ratio Lower Upper

284 100

142 30.5 21.2 31.8

249 31.4 23.4 35.0

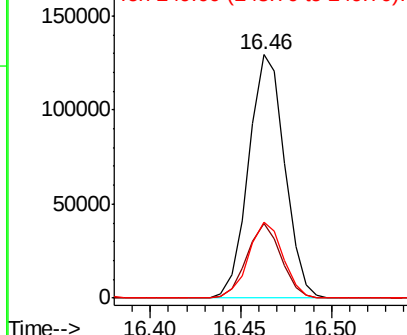
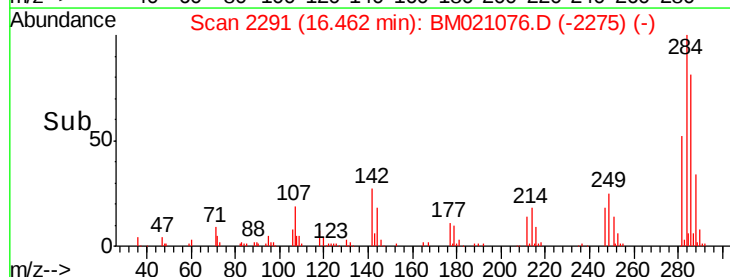


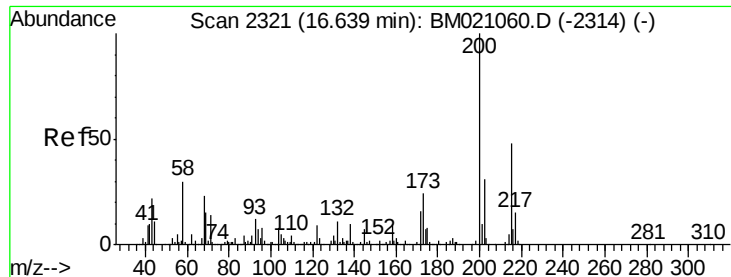
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 7.769 ng

RT: 16.63 min Scan# 2320

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

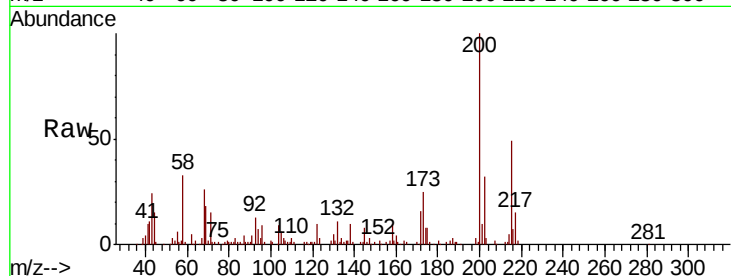
Tgt Ion:200 Resp: 127664

Ion Ratio Lower Upper

200 100

173 25.1 4.3 44.3

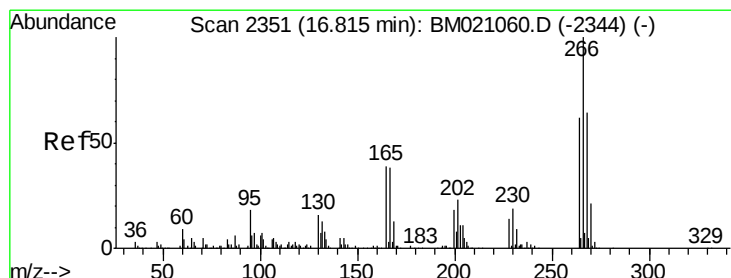
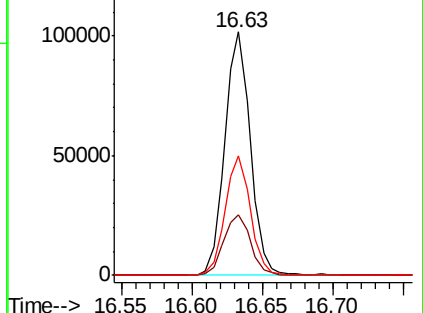
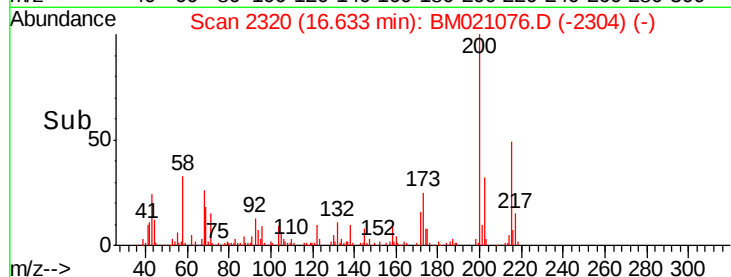
215 49.0 28.2 68.2



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 6.219 ng

RT: 16.82 min Scan# 2351

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

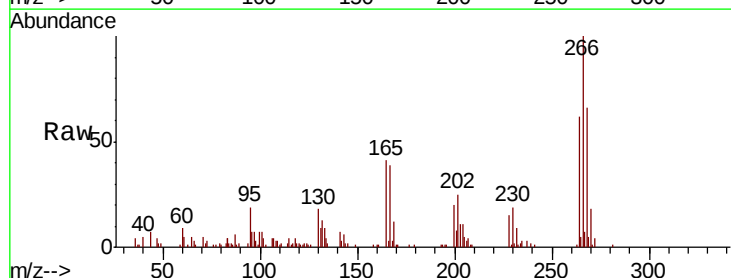
Tgt Ion:266 Resp: 85430

Ion Ratio Lower Upper

266 100

268 65.7 51.0 76.4

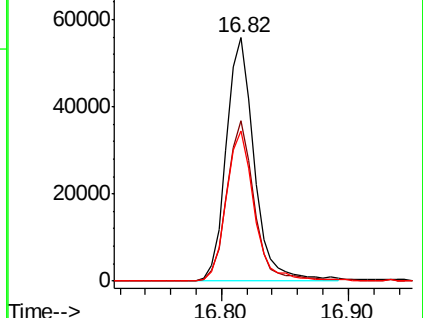
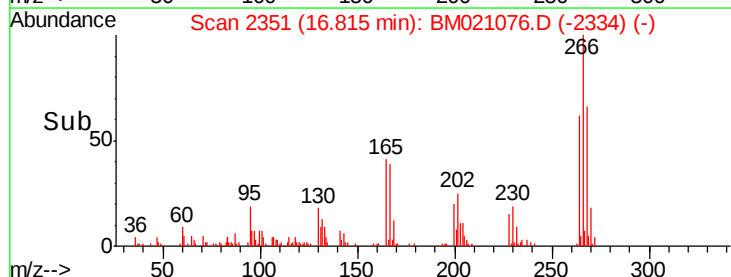
264 61.7 49.9 74.9

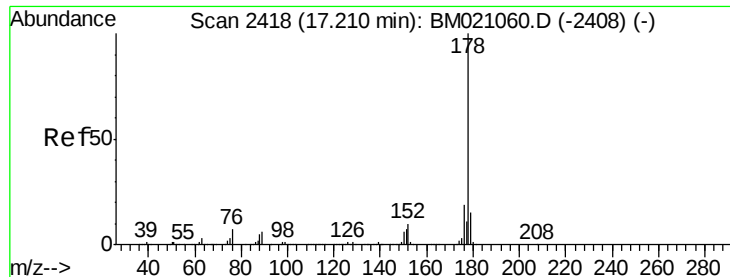


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

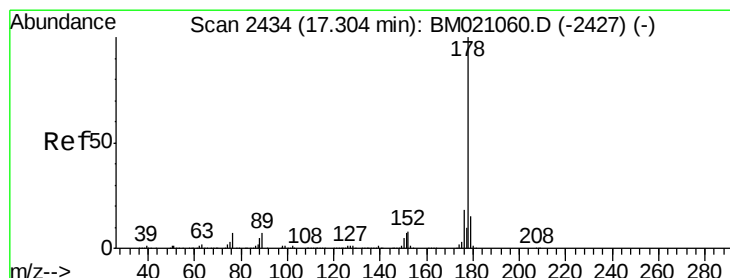
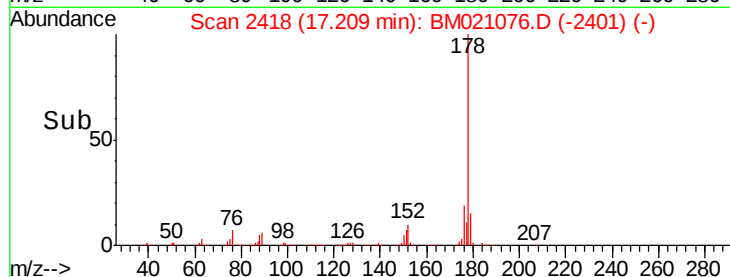
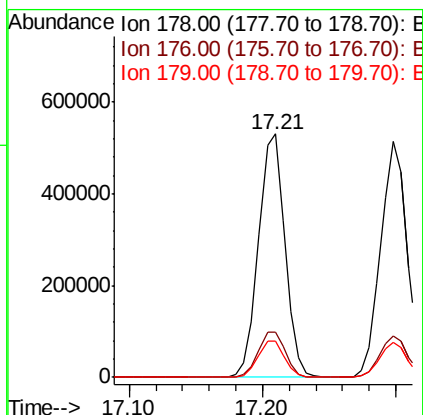
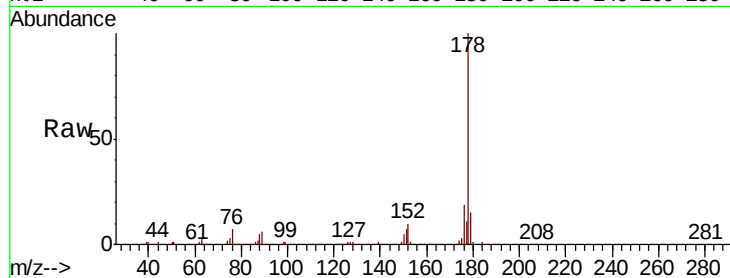




#71
Phenanthrene
Concen: 7.828 ng
RT: 17.21 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

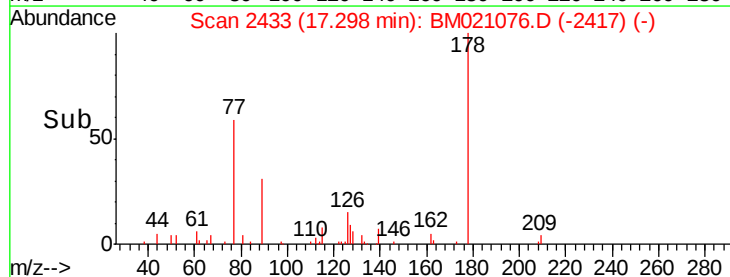
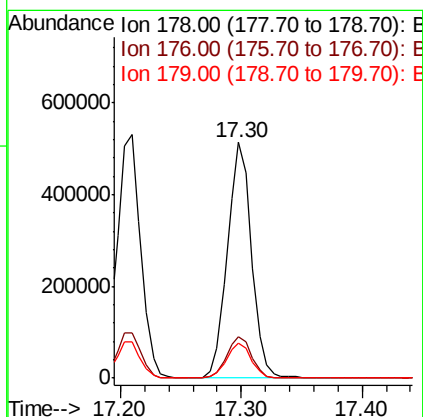
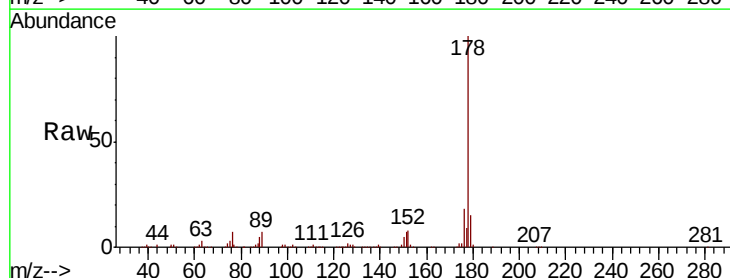
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

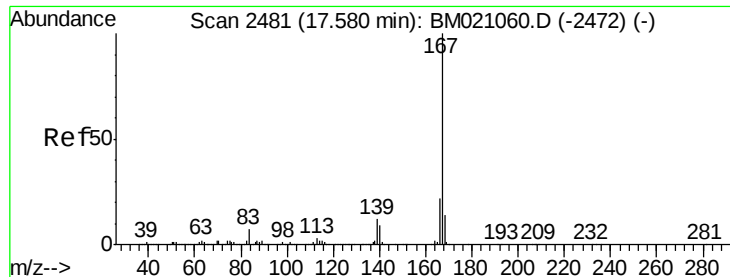
Tgt Ion:178 Resp: 723303
Ion Ratio Lower Upper
178 100
176 18.7 15.2 22.8
179 14.7 12.2 18.4



#72
Anthracene
Concen: 7.767 ng
RT: 17.30 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:178 Resp: 710862
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 14.8 12.2 18.2

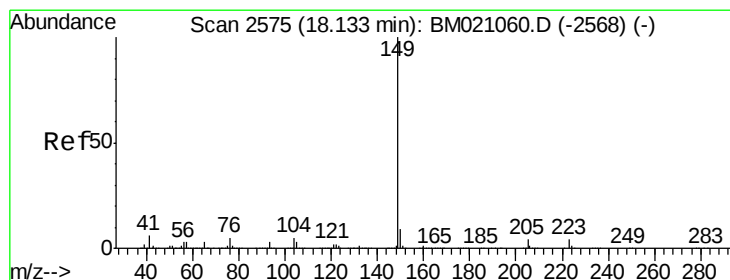
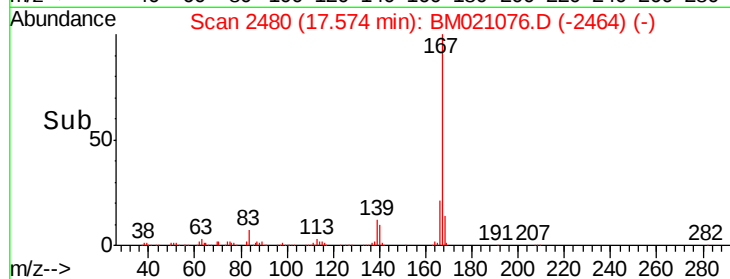
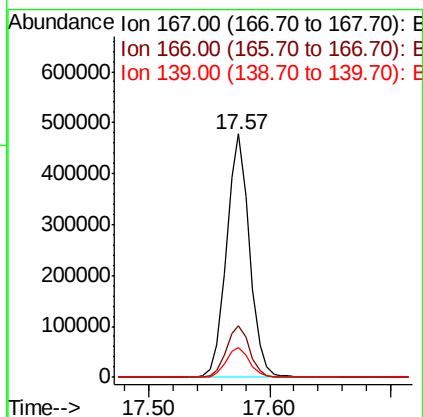
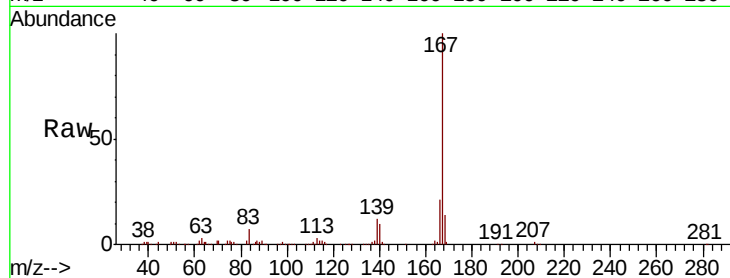




#73
 Carbazole
 Concen: 7.786 ng
 RT: 17.57 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

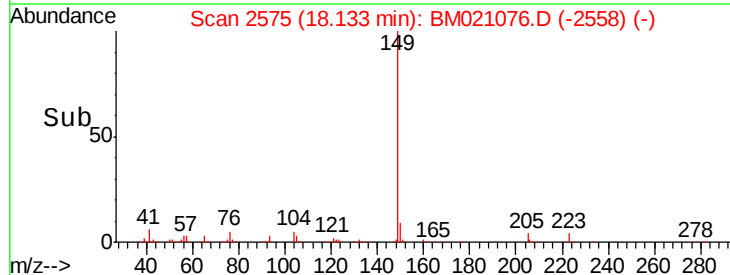
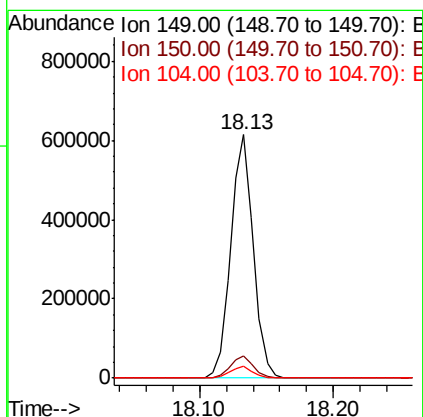
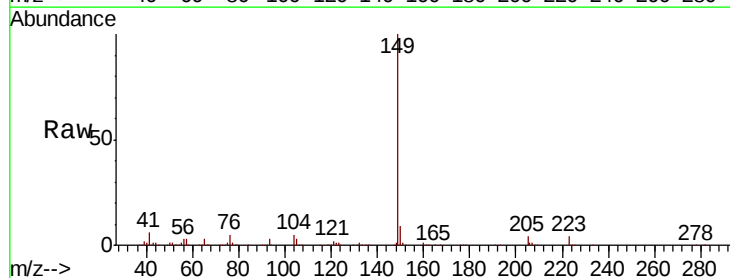
Instrument :
 BNA_M
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

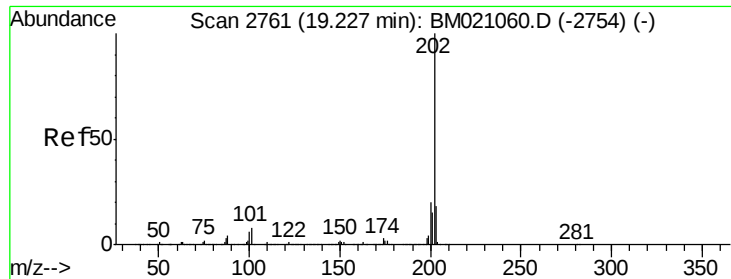
Tgt Ion:167 Resp: 630078
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.2
 139 12.1 9.7 14.5



#74
 Di-n-butylphthalate
 Concen: 7.308 ng
 RT: 18.13 min Scan# 2575
 Delta R.T. -0.00 min
 Lab File: BM021076.D
 Acq: 21 Jun 2019 09:17

Tgt Ion:149 Resp: 723946
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.4 11.0
 104 5.1 3.8 5.8





#75

Fluoranthene

Concen: 8.216 ng

RT: 19.22 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

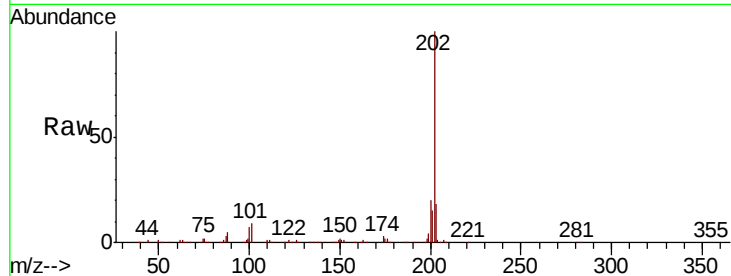
Tgt Ion:202 Resp: 876610

Ion Ratio Lower Upper

202 100

101 9.0 0.0 28.2

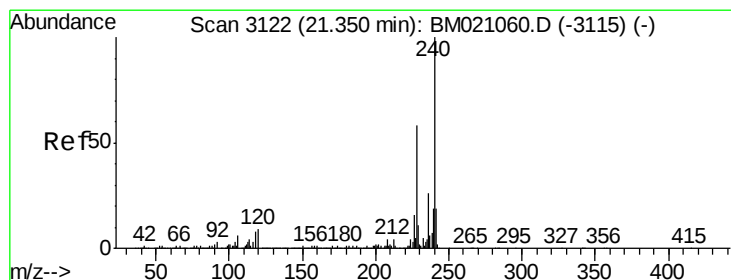
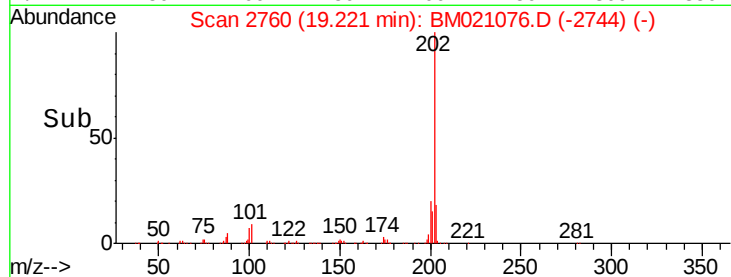
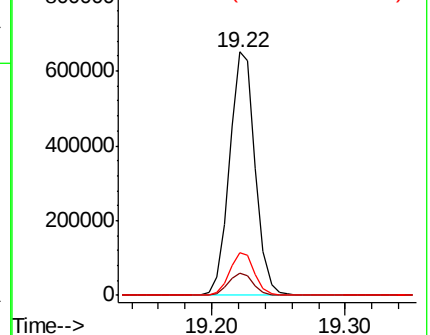
203 17.7 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.35 min Scan# 3122

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

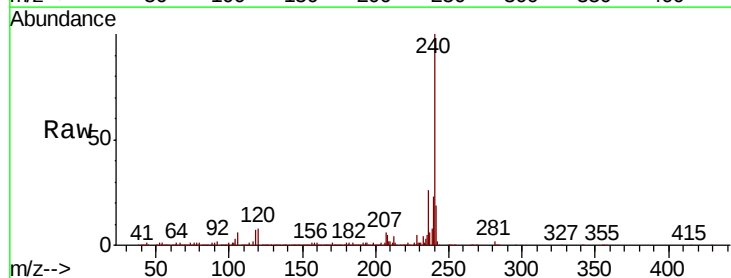
Tgt Ion:240 Resp: 1720146

Ion Ratio Lower Upper

240 100

120 7.8 6.9 10.3

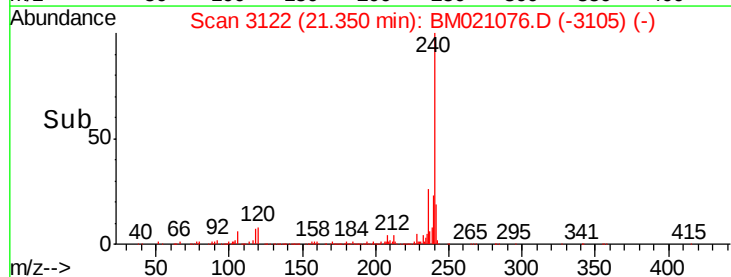
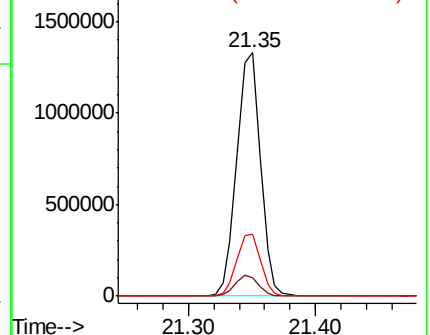
236 25.6 20.4 30.6

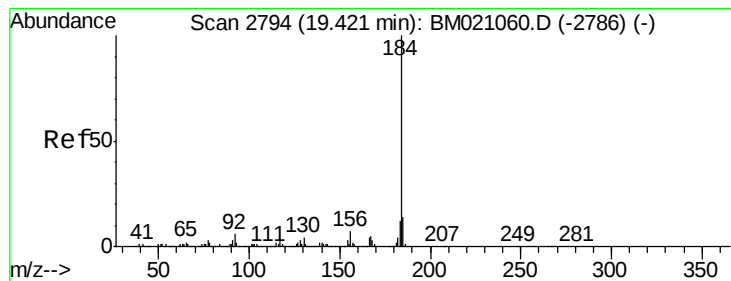


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.210 ng

RT: 19.42 min Scan# 2793

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

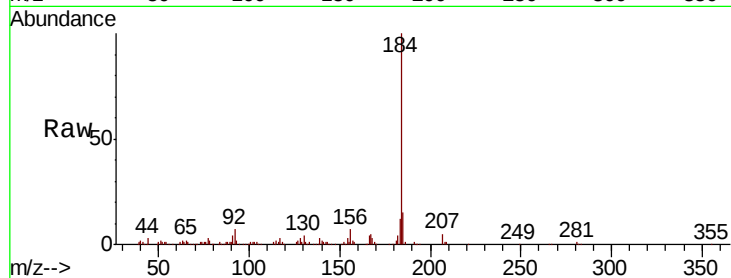
Tgt Ion:184 Resp: 310194

Ion Ratio Lower Upper

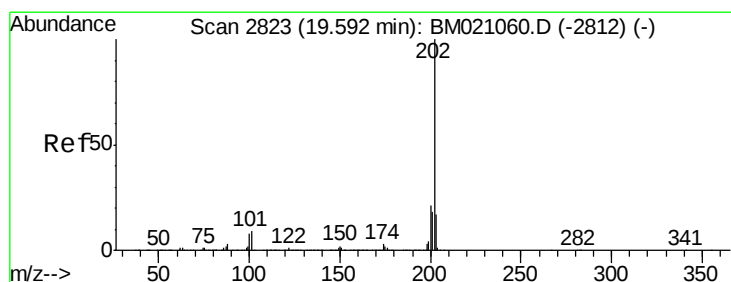
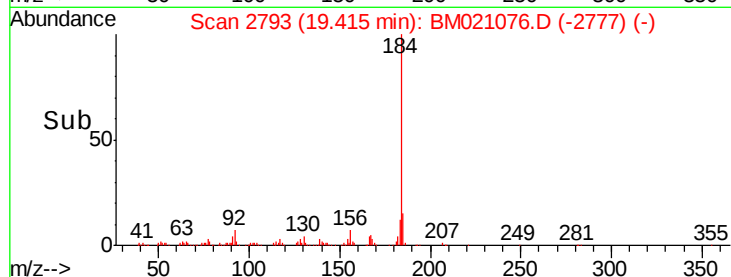
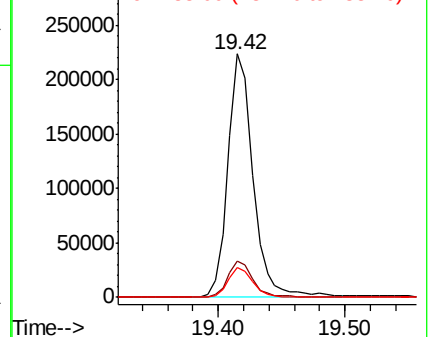
184 100

185 15.1 11.4 17.2

183 12.2 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 7.182 ng

RT: 19.59 min Scan# 2822

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

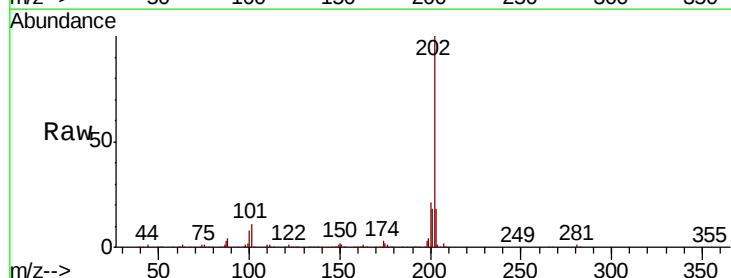
Tgt Ion:202 Resp: 895934

Ion Ratio Lower Upper

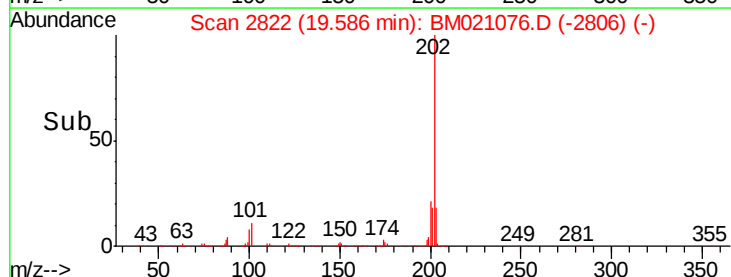
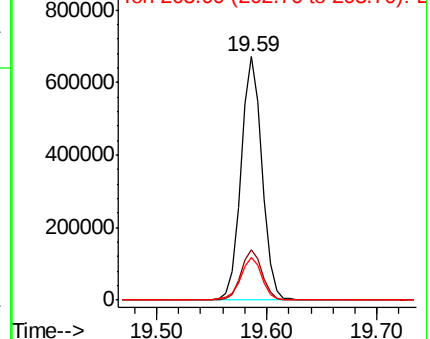
202 100

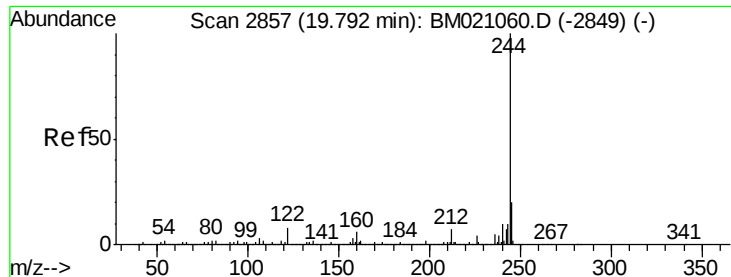
200 20.7 17.0 25.4

203 17.7 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 93.755 ng

RT: 19.79 min Scan# 2857

Delta R.T. -0.00 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

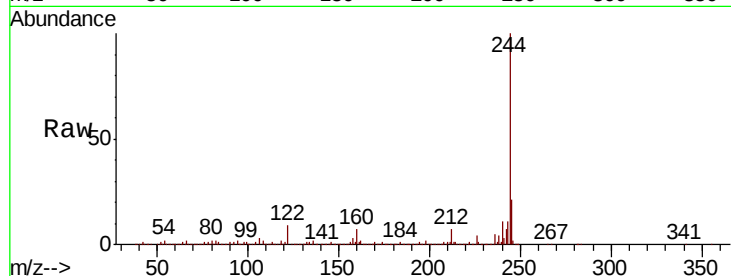
Tgt Ion:244 Resp: 8634700

Ion Ratio Lower Upper

244 100

212 7.1 5.3 7.9

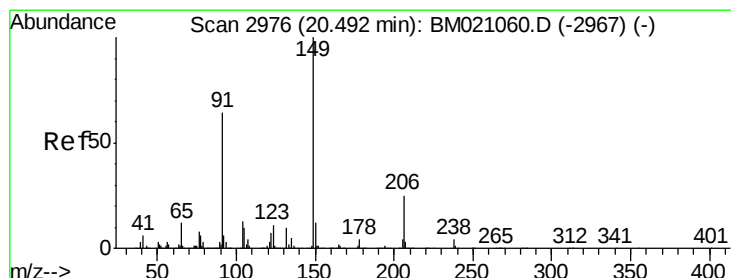
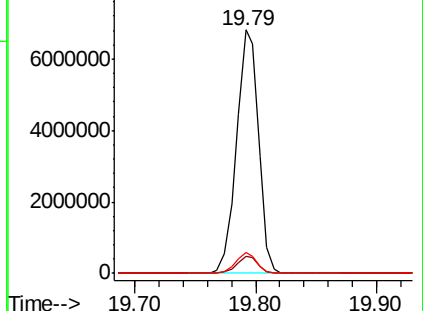
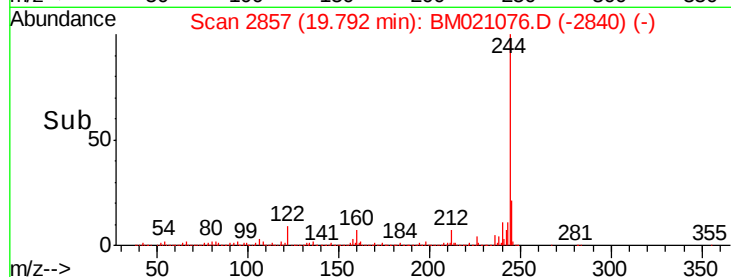
122 8.6 6.6 9.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.604 ng

RT: 20.49 min Scan# 2975

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

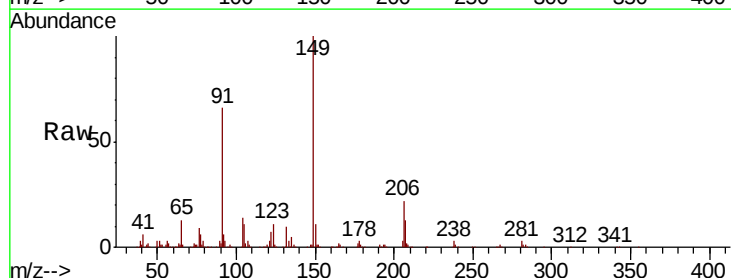
Tgt Ion:149 Resp: 328379

Ion Ratio Lower Upper

149 100

91 66.2 50.9 76.3

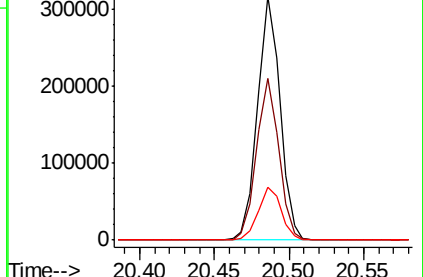
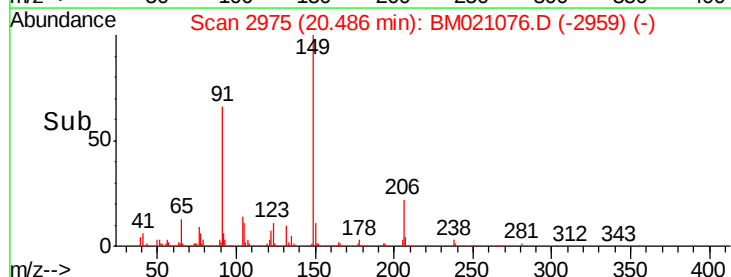
206 21.9 19.7 29.5

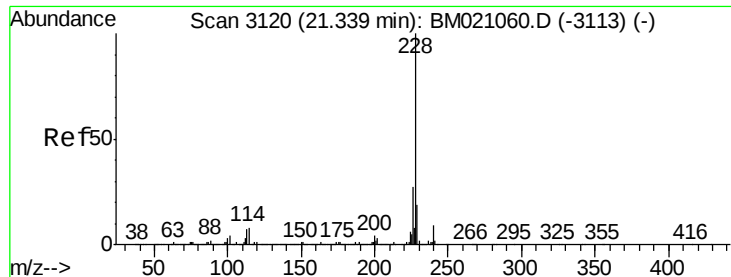


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E

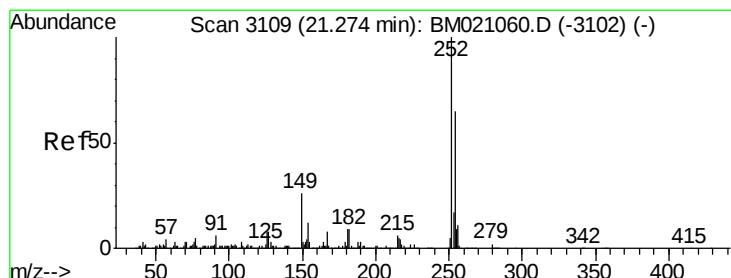
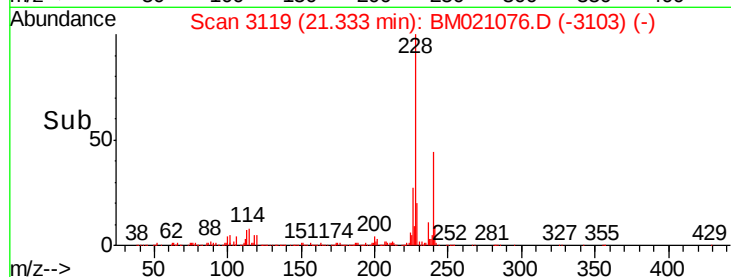
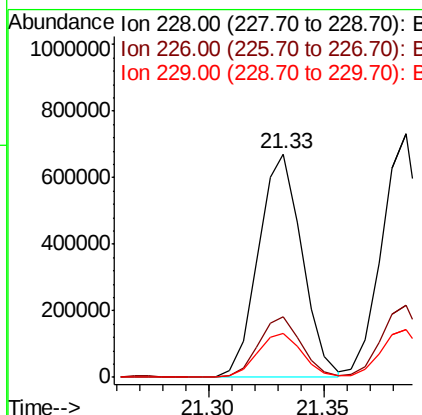
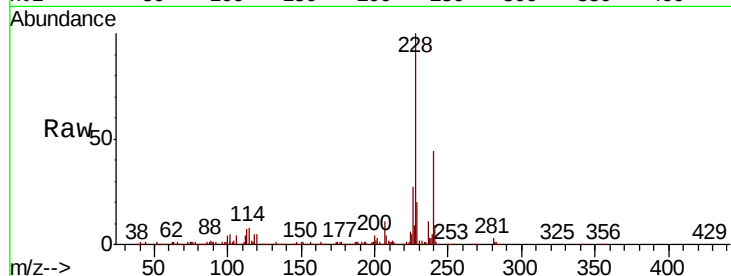




#81
Benzo(a)anthracene
Concen: 7.523 ng
RT: 21.33 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

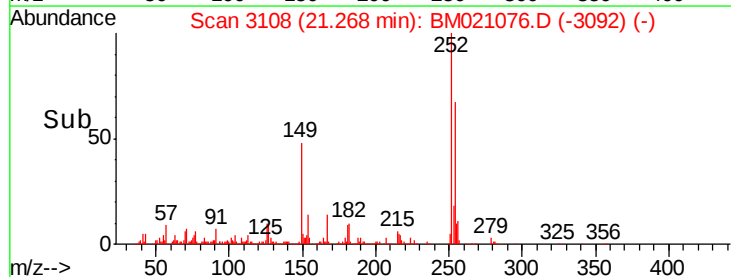
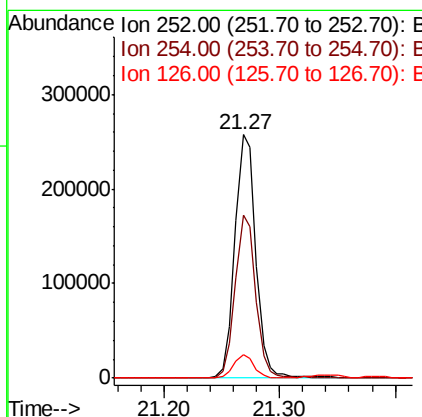
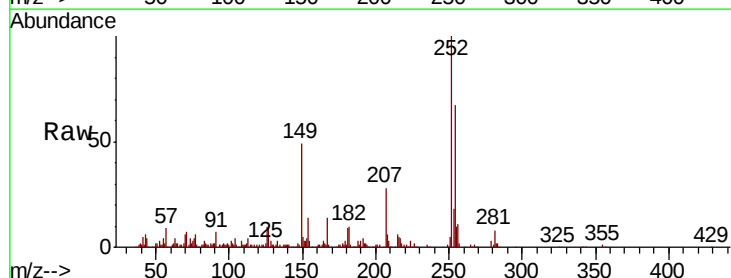
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

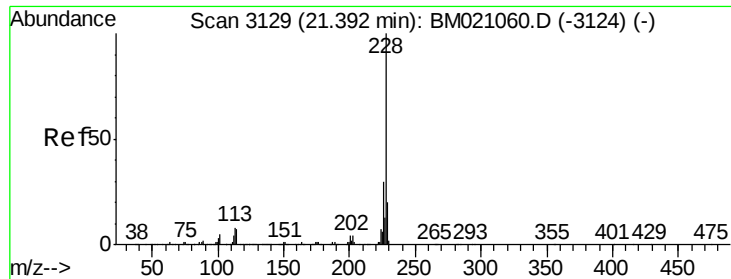
Tgt Ion: 228 Resp: 882149
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 19.9 15.5 23.3



#82
3,3'-Dichlorobenzidine
Concen: 7.319 ng
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion: 252 Resp: 325051
Ion Ratio Lower Upper
252 100
254 66.7 51.7 77.5
126 9.7 6.6 9.8





#83

Chrysene

Concen: 7.967 ng

RT: 21.39 min Scan# 3128

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

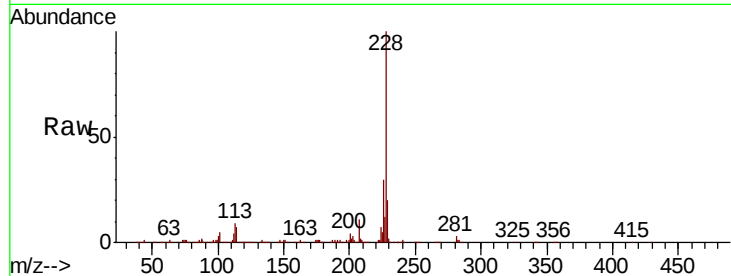
Tgt Ion:228 Resp: 889976

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

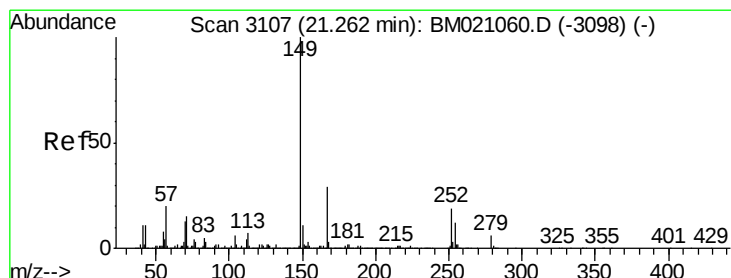
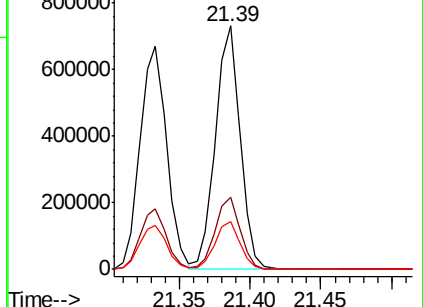
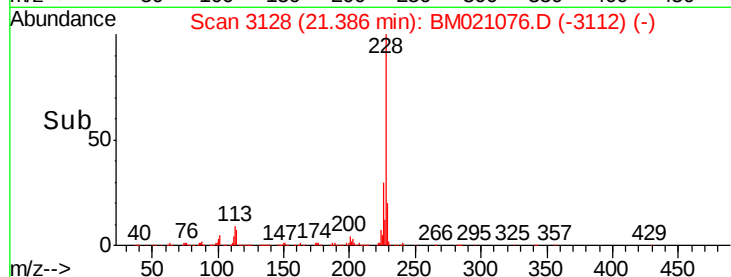
229 19.6 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.810 ng

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

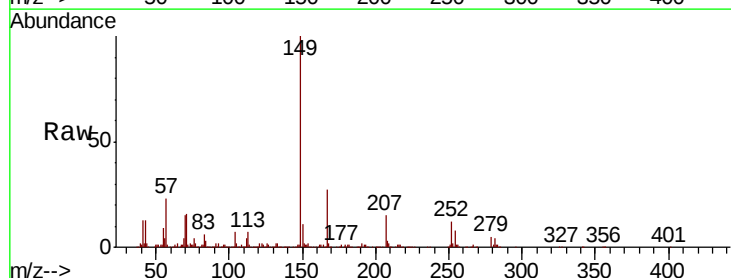
Tgt Ion:149 Resp: 481956

Ion Ratio Lower Upper

149 100

167 27.3 23.0 34.4

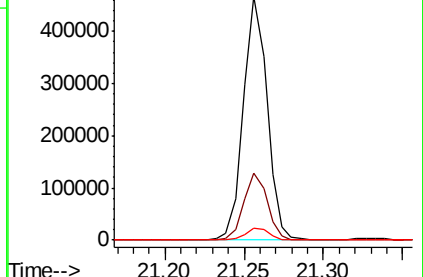
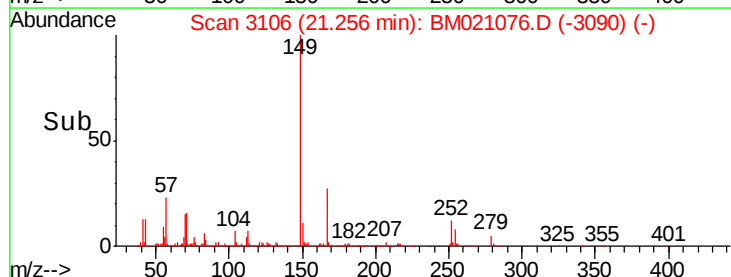
279 5.0 4.6 7.0

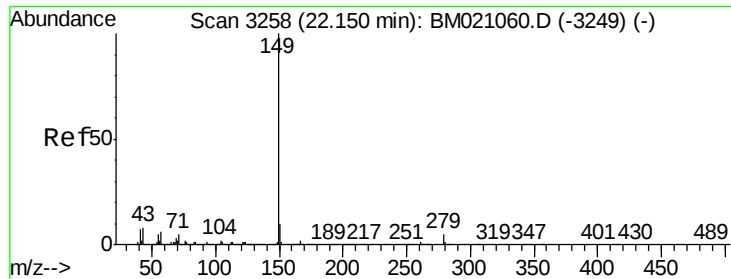


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

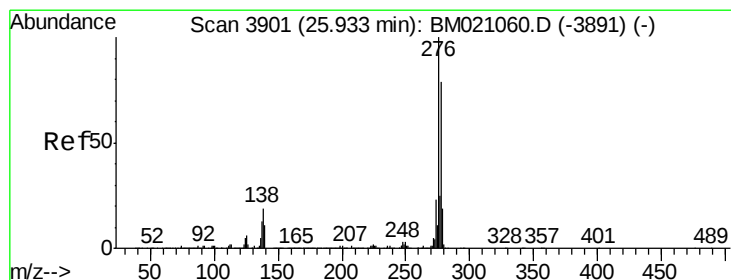
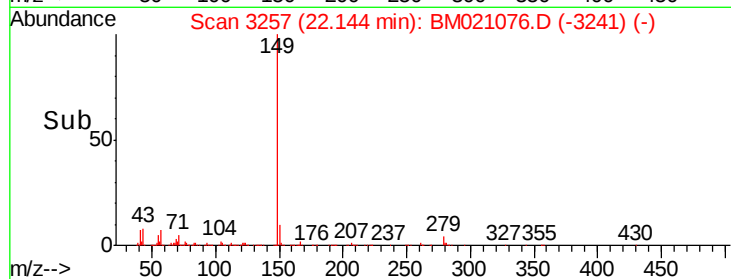
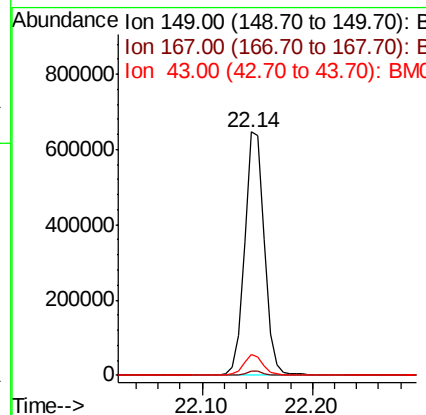
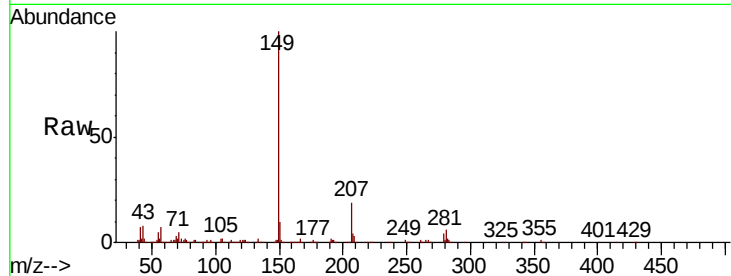




#85
Di-n-octyl phthalate
Concen: 7.243 ng
RT: 22.14 min Scan# 3257
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

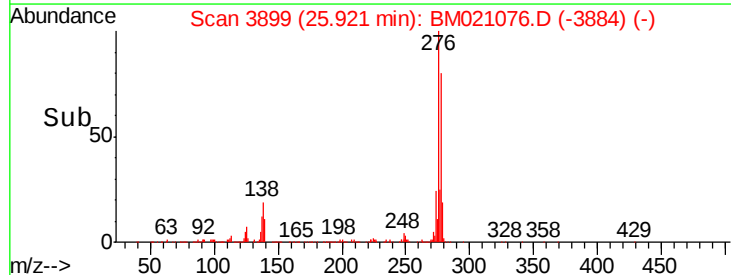
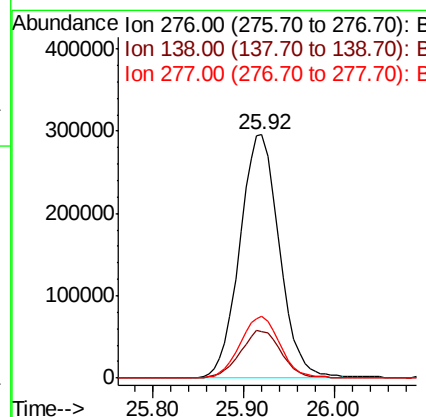
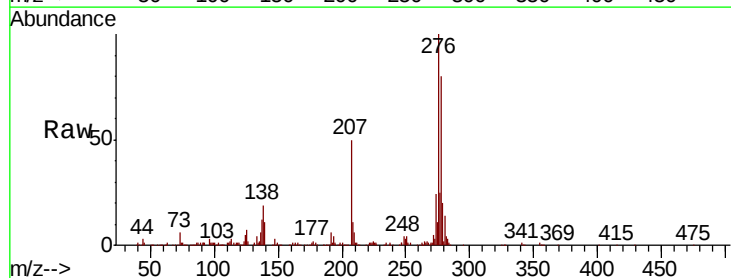
Instrument :
BNA_M
ClientSampleId :
MDL-MDL-SOIL-03-QT2-2019

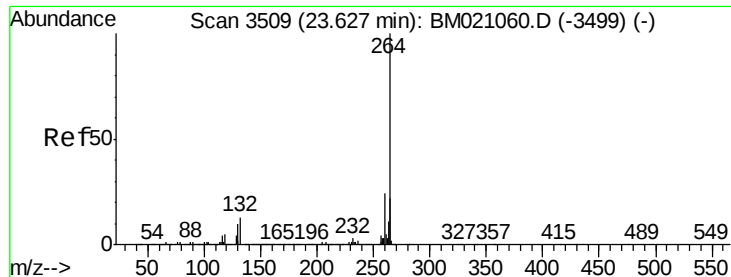
Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	8.1	6.2	9.2



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.243 ng
RT: 25.92 min Scan# 3899
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	15.4	23.0
277	25.6	20.4	30.6



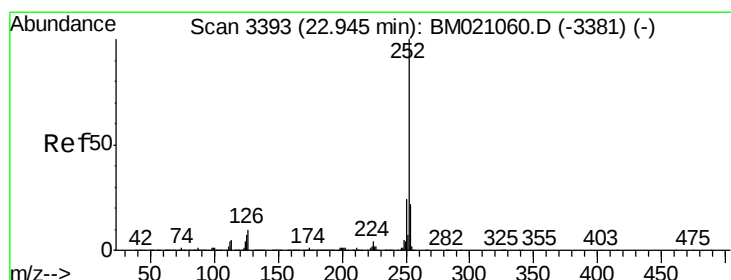
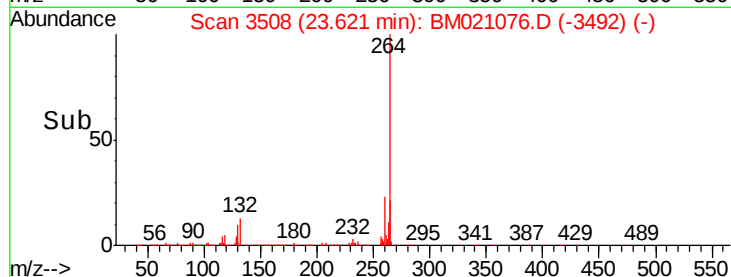
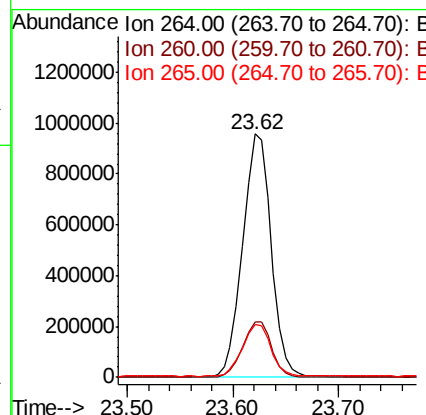
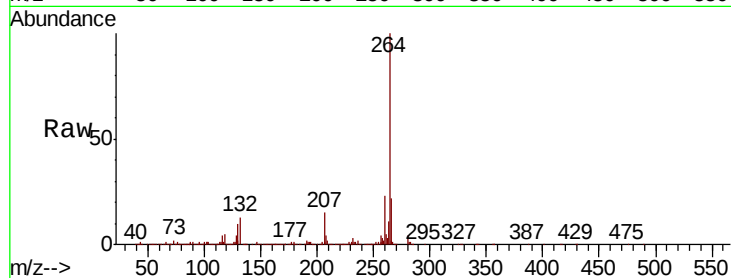


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.62 min Scan# 3508
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

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

Tgt Ion:264 Resp: 1799615

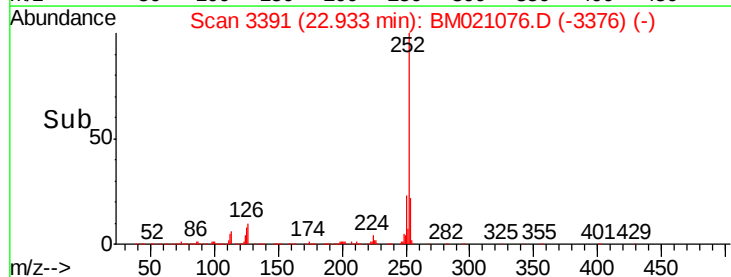
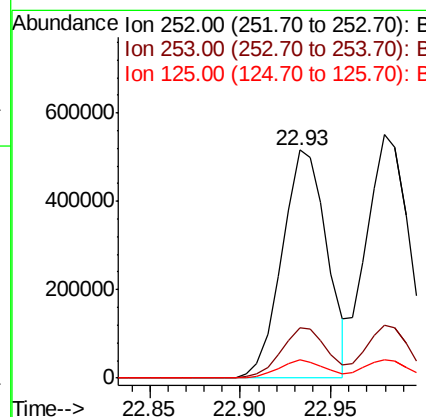
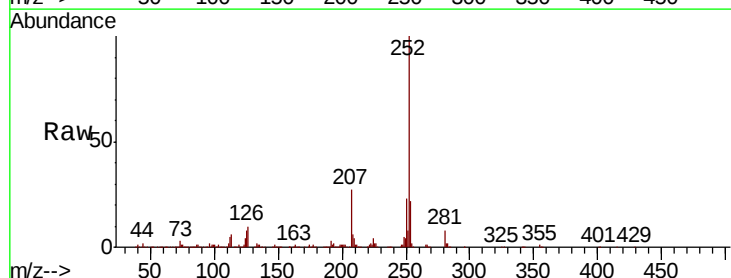
Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.4
265	21.5	17.7	26.5

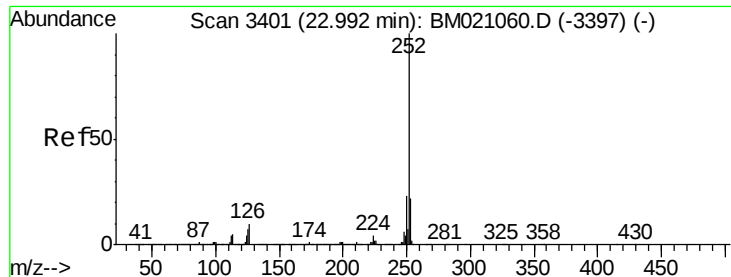


#88
Benzo(b)fluoranthene
Concen: 7.365 ng
RT: 22.93 min Scan# 3391
Delta R.T. -0.01 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion:252 Resp: 894178

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	7.8	5.9	8.9





#89

Benzo(k)fluoranthene

Concen: 7.718 ng

RT: 22.98 min Scan# 3399

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

Instrument :

BNA_M

ClientSampleId :

MDL-MDL-SOIL-03-QT2-2019

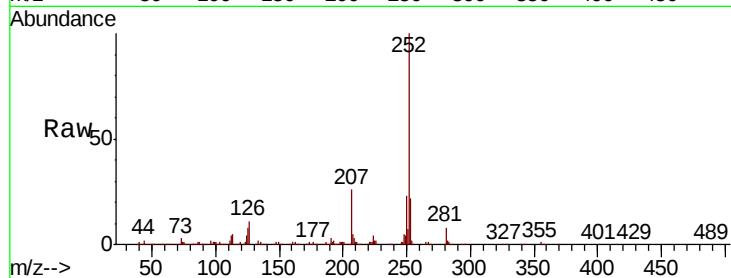
Tgt Ion:252 Resp: 905723

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

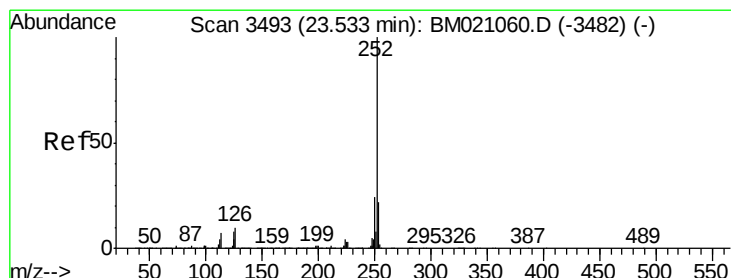
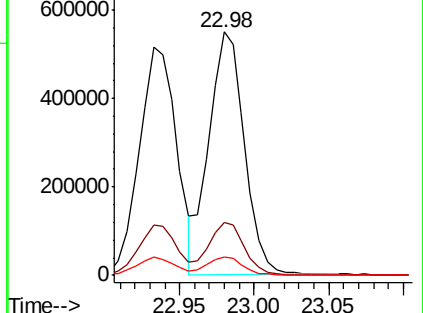
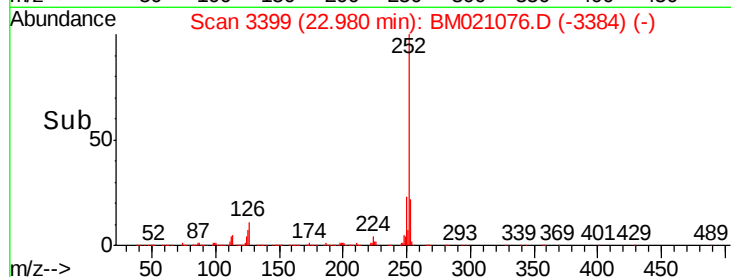
125 7.6 5.9 8.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 7.601 ng

RT: 23.52 min Scan# 3491

Delta R.T. -0.01 min

Lab File: BM021076.D

Acq: 21 Jun 2019 09:17

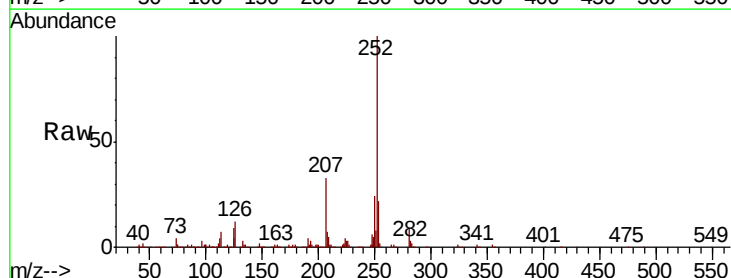
Tgt Ion:252 Resp: 832635

Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

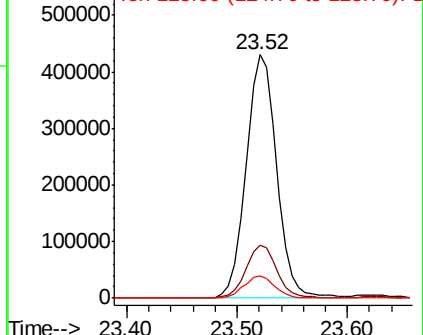
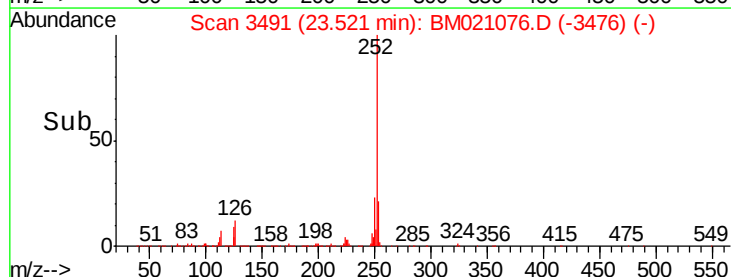
125 8.9 6.6 10.0

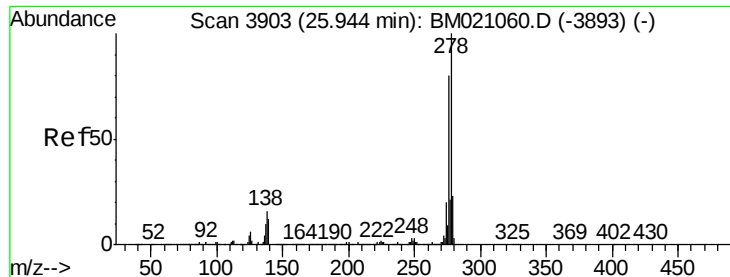


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

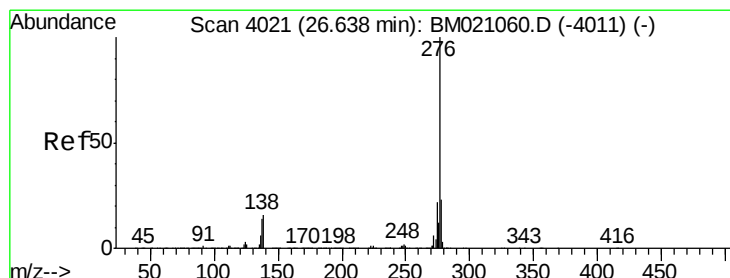
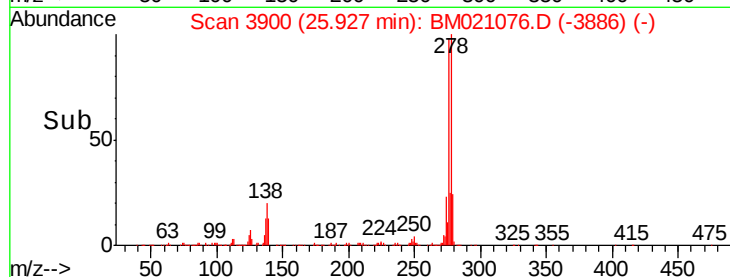
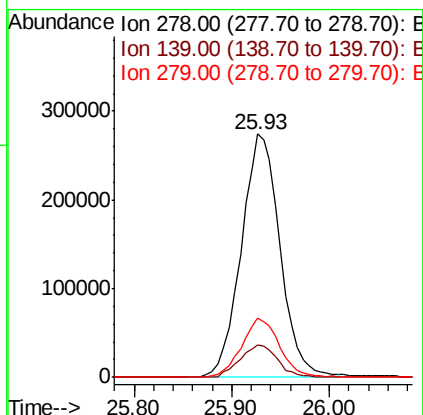
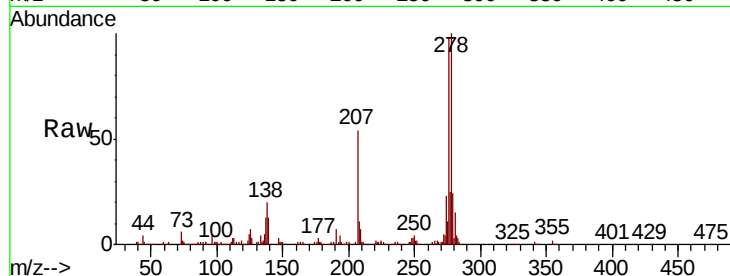




#91
Dibenzo(a,h)anthracene
Concen: 6.943 ng
RT: 25.93 min Scan# 3900
Delta R.T. -0.02 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

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

Tgt Ion: 278 Resp: 758287
Ion Ratio Lower Upper
278 100
139 13.3 9.8 14.8
279 24.3 18.7 28.1



#92
Benzo(g,h,i)perylene
Concen: 7.112 ng
RT: 26.62 min Scan# 4018
Delta R.T. -0.02 min
Lab File: BM021076.D
Acq: 21 Jun 2019 09:17

Tgt Ion: 276 Resp: 724385
Ion Ratio Lower Upper
276 100
277 24.4 18.8 28.2
138 16.3 13.1 19.7

