

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071420\
 Data File : BP002744.D
 Acq On : 14 Jul 2020 11:51
 Operator : CG/JU
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-8PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 14 12:40:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	192886	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	792321	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	504309	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	1061771	20.00	ng	0.00
76) Chrysene-d12	21.07	240	959134	20.00	ng	0.00
86) Perylene-d12	23.26	264	830082	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	1096996	95.95	ng	0.00
7) Phenol-d6	6.75	99	1542811	94.56	ng	0.00
23) Nitrobenzene-d5	8.70	82	1138513	76.85	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	490003	93.08	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	2331957	71.53	ng	0.00
79) Terphenyl-d14	19.55	244	2626316	62.78	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.13	88	45381	9.105	ng	99
3) Pyridine	3.52	79	88653	5.968	ng	97
4) n-Nitrosodimethylamine	3.43	42	40187	7.182	ng	# 98
6) Aniline	6.89	93	152792	7.397	ng	99
8) 2-Chlorophenol	7.13	128	92032	7.235	ng	99
9) Benzaldehyde	6.70	77	88522	9.986	ng	98
10) Phenol	6.78	94	122639	7.338	ng	93
11) bis(2-Chloroethyl)ether	6.99	93	101276	7.285	ng	98
12) 1,3-Dichlorobenzene	7.45	146	103709	7.110	ng	98
13) 1,4-Dichlorobenzene	7.59	146	105770	7.226	ng	98
14) 1,2-Dichlorobenzene	7.90	146	99032	7.016	ng	97
15) Benzyl Alcohol	7.80	79	73046	6.690	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.09	45	143831	7.194	ng	99
17) 2-Methylphenol	8.01	107	77671	6.523	ng	99
18) Hexachloroethane	8.62	117	37239	7.183	ng	97
19) n-Nitroso-di-n-propylamine	8.36	70	74384	7.486	ng	97
20) 3+4-Methylphenols	8.34	107	102901	6.536	ng	97
22) Acetophenone	8.37	105	150956	7.728	ng	# 98
24) Nitrobenzene	8.74	77	118067	7.359	ng	97
25) Isophorone	9.26	82	209063	6.924	ng	100
26) 2-Nitrophenol	9.45	139	42438	6.124	ng	92
27) 2,4-Dimethylphenol	9.53	122	79958	7.107	ng	99
28) bis(2-Chloroethoxy)methane	9.75	93	136655	7.452	ng	98
29) 2,4-Dichlorophenol	10.00	162	79933	6.444	ng	97
30) 1,2,4-Trichlorobenzene	10.19	180	96761	6.811	ng	99
31) Naphthalene	10.37	128	301051	7.197	ng	100
32) Benzoic acid	9.67	122	20328m	2.645	ng	
33) 4-Chloroaniline	10.50	127	118061	6.586	ng	98
34) Hexachlorobutadiene	10.67	225	53036	6.459	ng	98
35) Caprolactam	11.24	113	24989	5.762	ng	96
36) 4-Chloro-3-methylphenol	11.65	107	88229	6.599	ng	98
37) 2-Methylnaphthalene	12.00	142	216711	7.342	ng	99
38) 1-Methylnaphthalene	12.22	142	203047	7.273	ng	96
40) 1,2,4,5-Tetrachlorobenzene	12.38	216	109186	7.045	ng	100

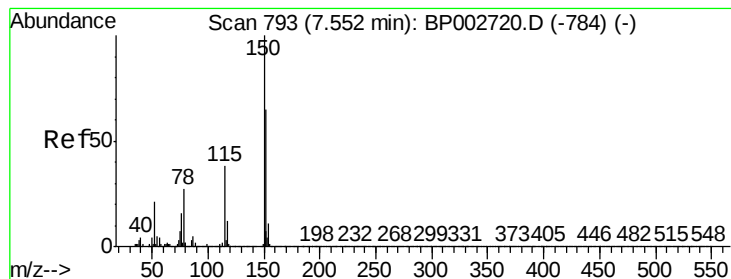
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071420\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.36	237	20004	3.585	ng	99
43) 2,4,6-Trichlorophenol	12.63	196	59018	5.949	ng	98
44) 2,4,5-Trichlorophenol	12.72	196	65084	5.656	ng	98
46) 1,1'-Biphenyl	13.03	154	290823	7.735	ng	99
47) 2-Chloronaphthalene	13.06	162	207388	6.791	ng	98
48) 2-Nitroaniline	13.28	65	54845	5.810	ng	93
49) Acenaphthylene	13.92	152	343811	7.142	ng	99
50) Dimethylphthalate	13.67	163	263362	6.848	ng	99
51) 2,6-Dinitrotoluene	13.78	165	53445	6.491	ng	91
52) Acenaphthene	14.26	154	202890	7.052	ng	99
53) 3-Nitroaniline	14.12	138	51547	5.595	ng	95
54) 2,4-Dinitrophenol	14.36	184	6311	1.949	ng	# 79
55) Dibenzofuran	14.60	168	333533	7.228	ng	98
56) 4-Nitrophenol	14.48	139	25546	3.975	ng	94
57) 2,4-Dinitrotoluene	14.59	165	64897	5.985	ng	# 88
58) Fluorene	15.26	166	257789	7.550	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.85	232	57009	6.286	ng	98
60) Diethylphthalate	15.05	149	258988	6.945	ng	99
61) 4-Chlorophenyl-phenylether	15.26	204	131827	7.267	ng	100
62) 4-Nitroaniline	15.29	138	52374	5.745	ng	98
63) Azobenzene	15.56	77	282262	7.362	ng	98
65) 4,6-Dinitro-2-methylphenol	15.36	198	24066	4.185	ng	96
66) n-Nitrosodiphenylamine	15.47	169	227276	7.246	ng	100
67) 4-Bromophenyl-phenylether	16.16	248	73290	6.337	ng	92
68) Hexachlorobenzene	16.27	284	82911	6.804	ng	93
69) Atrazine	16.44	200	70248	8.204	ng	99
70) Pentachlorophenol	16.64	266	15108	3.165	ng	97
71) Phenanthrene	17.00	178	412900	7.182	ng	100
72) Anthracene	17.10	178	406422	7.204	ng	99
73) Carbazole	17.37	167	371787	6.716	ng	99
74) Di-n-butylphthalate	17.95	149	407577	6.789	ng	99
75) Fluoranthene	18.99	202	464770	6.977	ng	98
77) Benzidine	19.18	184	153241	6.446	ng	99
78) Pyrene	19.35	202	485799	7.336	ng	97
80) Butylbenzylphthalate	20.23	149	160823	6.154	ng	90
81) Benzo(a)anthracene	21.06	228	431319	6.947	ng	99
82) 3,3'-Dichlorobenzidine	21.00	252	135750	6.602	ng	98
83) Chrysene	21.10	228	415875	7.037	ng	99
84) Bis(2-ethylhexyl)phthalate	21.00	149	245978	6.768	ng	# 97
85) Di-n-octyl phthalate	21.86	149	366721	5.612	ng	96
87) Indeno(1,2,3-cd)pyrene	25.46	276	348838	5.814	ng	98
88) Benzo(b)fluoranthene	22.60	252	378236	7.338	ng	98
89) Benzo(k)fluoranthene	22.64	252	370662	7.301	ng	98
90) Benzo(a)pyrene	23.16	252	316772	6.485	ng	97
91) Dibenzo(a,h)anthracene	25.47	278	286056	5.912	ng	99
92) Benzo(g,h,i)perylene	26.13	276	279026	5.688	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.55 min Scan# 793

Delta R.T. 0.00 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

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MDL-SOIL-03-QT3-2020

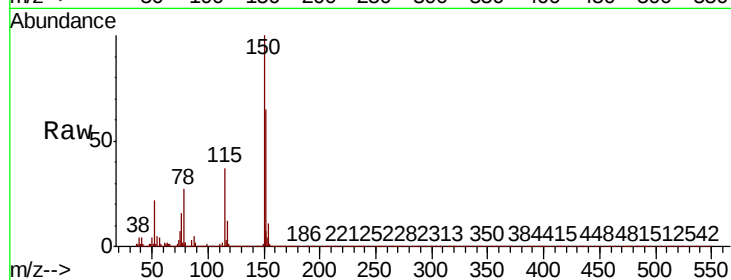
Tot Ion:152 Resp: 192886

Ion Ratio Lower Upper

152 100

150 153.3 123.7 185.5

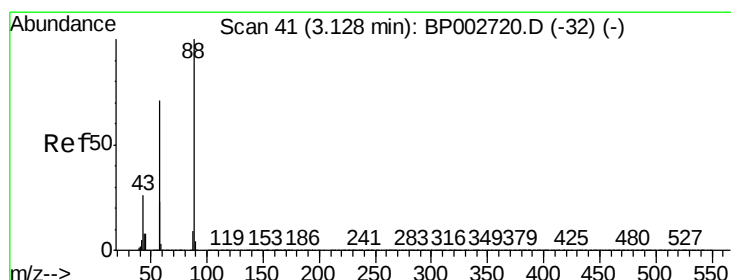
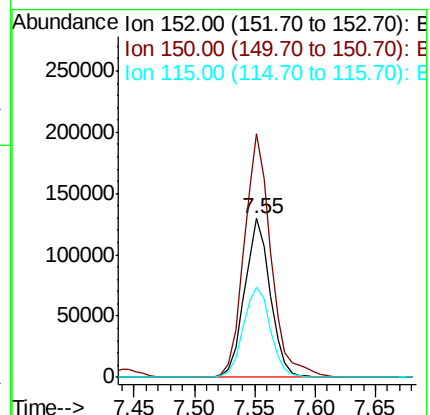
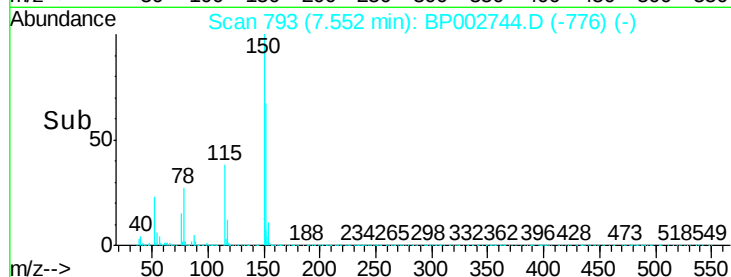
115 56.6 47.2 70.8



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: 9.105 ng

RT: 3.13 min Scan# 41

Delta R.T. 0.00 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

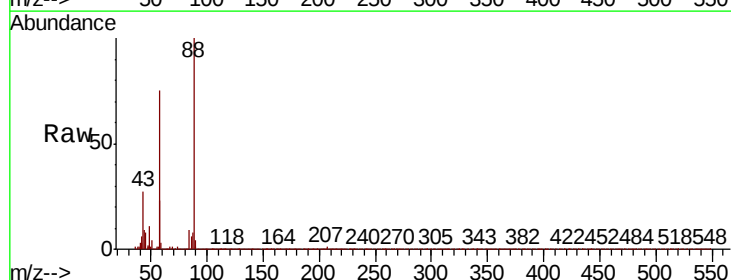
Tgt Ion: 88 Resp: 45381

Ion Ratio Lower Upper

88 100

58 73.7 58.2 87.4

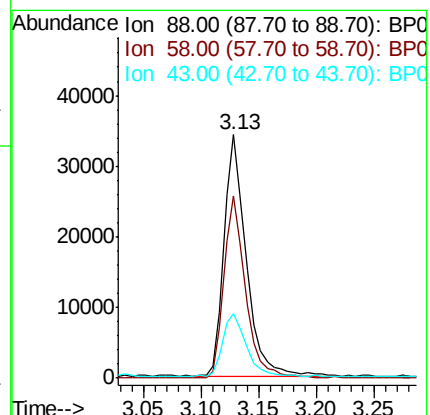
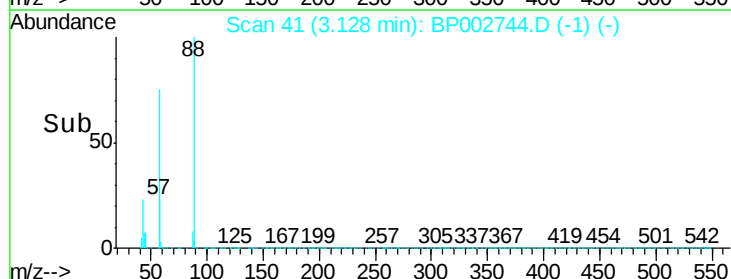
43 27.5 21.5 32.3

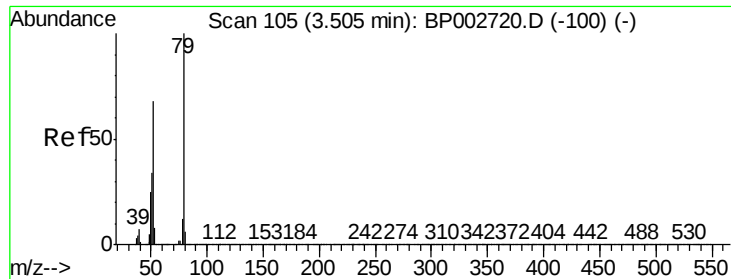


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0

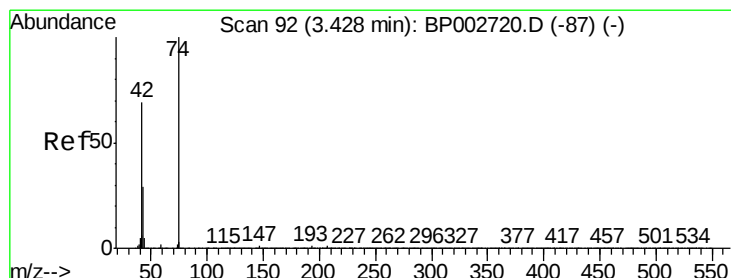
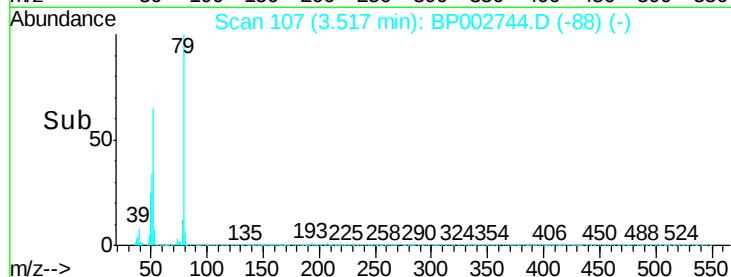
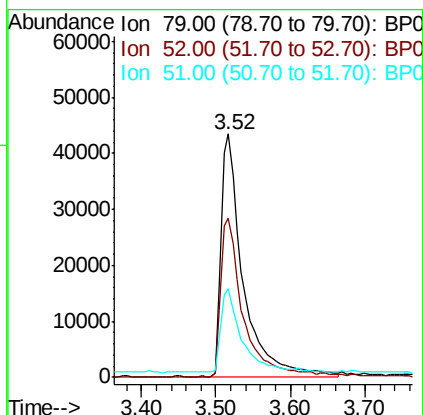
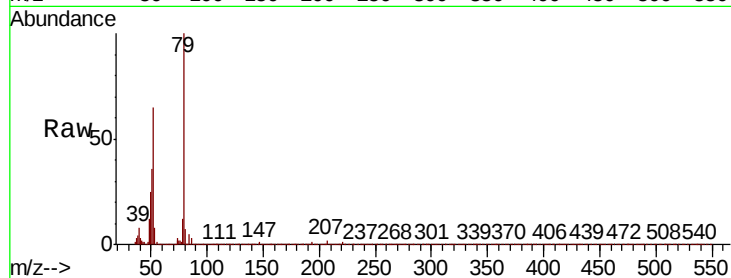




#3
 Pvridine
 Concen: 5.968 ng
 RT: 3.52 min Scan# 107
 Delta R.T. 0.01 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

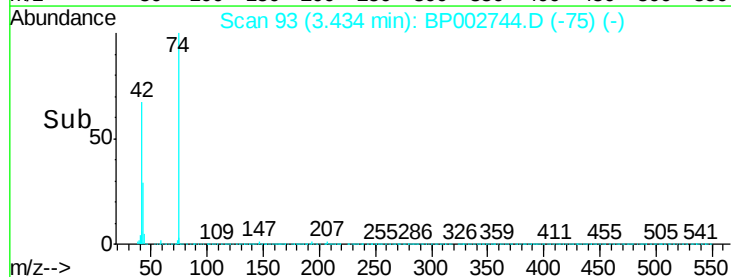
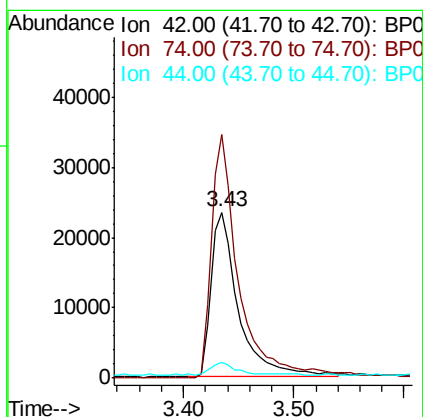
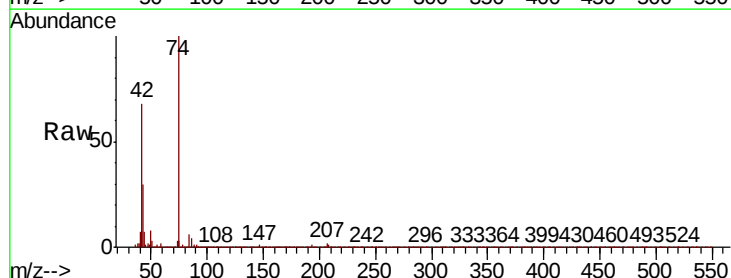
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

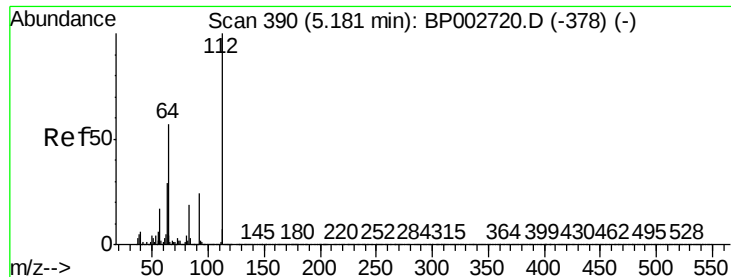
Tot Ion	Ion	Ratio	Lower	Upper
79	100			
52	65.2	54.2	81.2	
51	36.5	27.3	40.9	



#4
 n-Nitrosodimethylamine
 Concen: 7.182 ng
 RT: 3.43 min Scan# 93
 Delta R.T. 0.01 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
74	147.0	116.3	174.5	
44	9.8	5.9	8.9	





#5

2-Fluorophenol

Concen: 95.955 ng

RT: 5.18 min Scan# 389

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

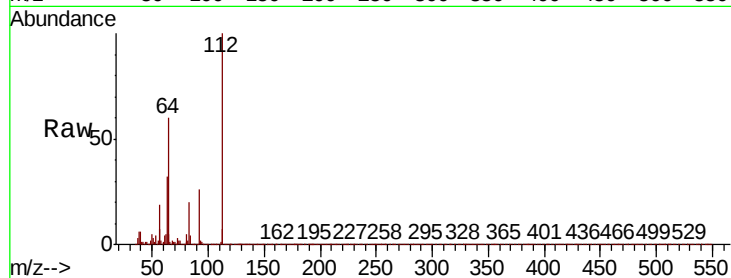
Tot Ion:112 Resp: 1096996

Ion Ratio Lower Upper

112 100

64 60.0 45.6 68.4

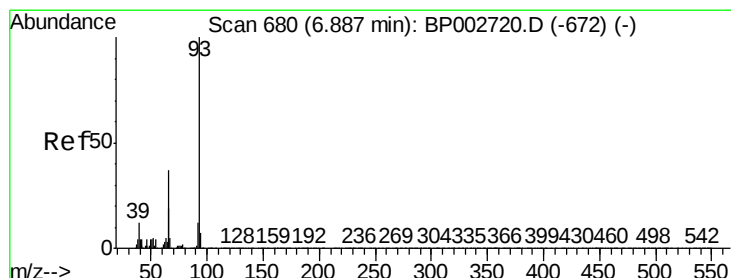
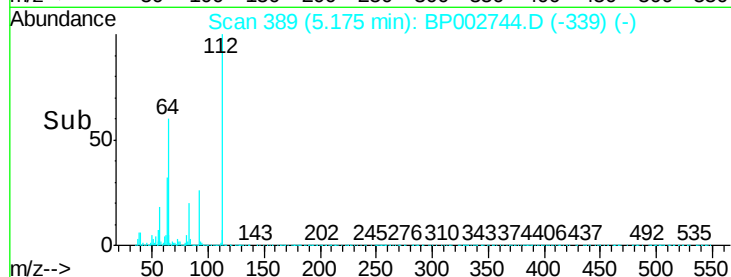
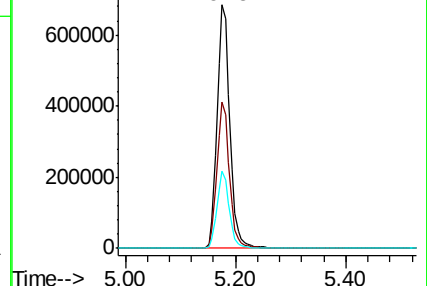
63 31.6 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 7.397 ng

RT: 6.89 min Scan# 680

Delta R.T. 0.00 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

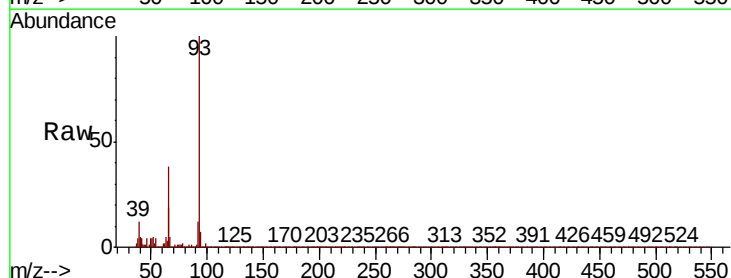
Tgt Ion: 93 Resp: 152792

Ion Ratio Lower Upper

93 100

66 38.1 30.1 45.1

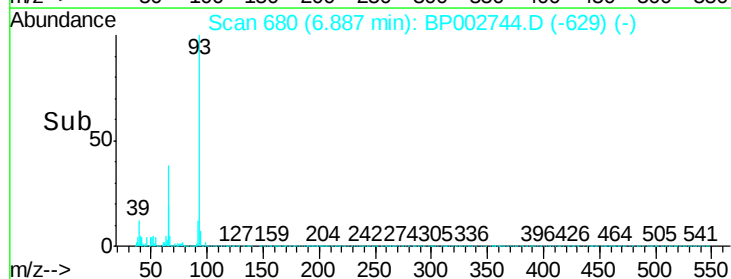
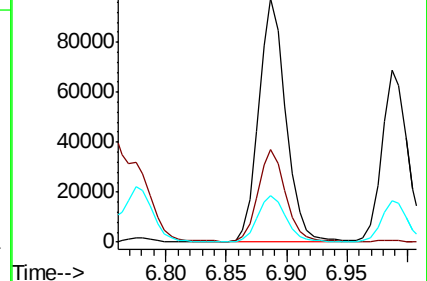
65 18.9 15.4 23.2

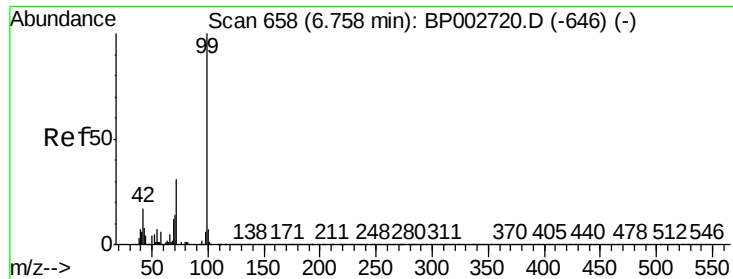


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 94.559 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

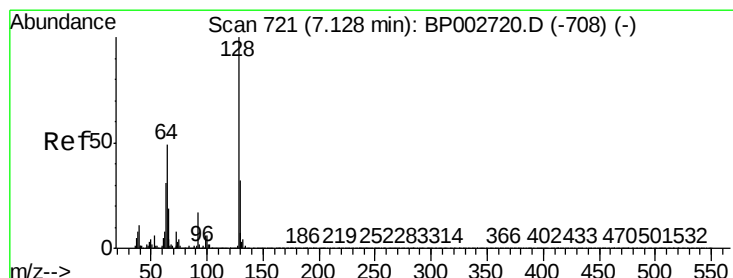
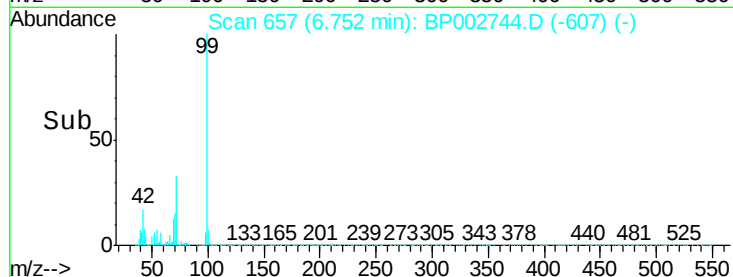
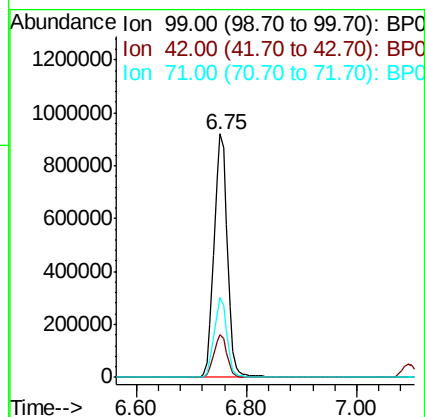
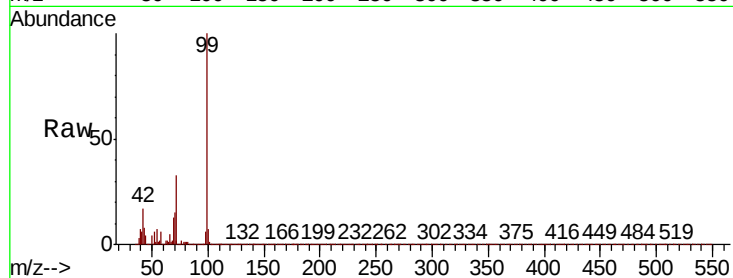
BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 99 Resp: 1542811

Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.4	20.2
71	32.7	24.6	36.8



#8

2-Chlorophenol

Concen: 7.235 ng

RT: 7.13 min Scan# 721

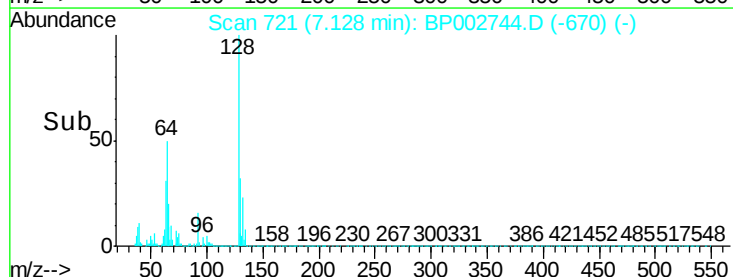
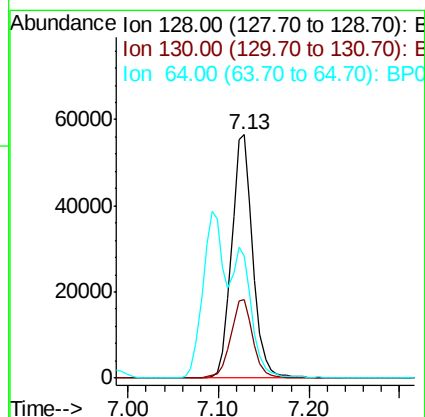
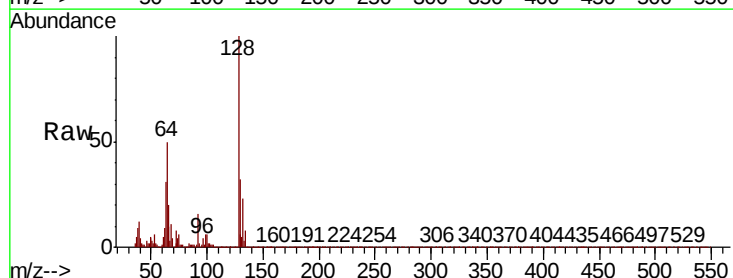
Delta R.T. 0.00 min

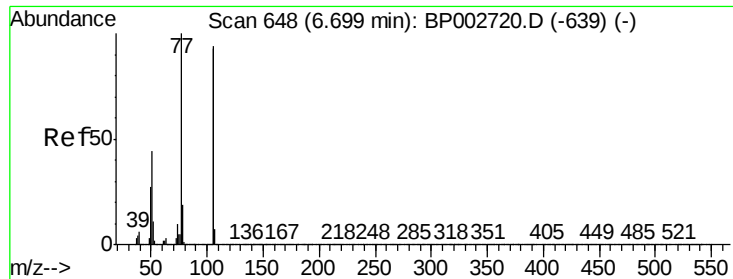
Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Tgt Ion: 128 Resp: 92032

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.2	52.2
64	49.9	28.8	68.8

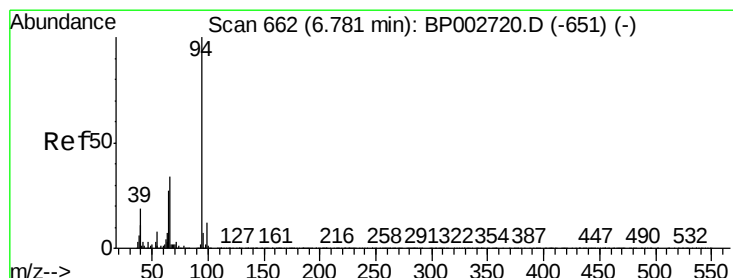
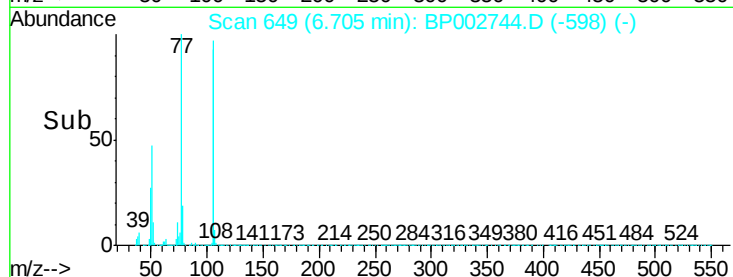
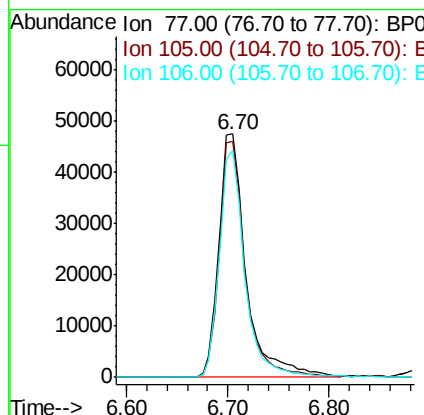
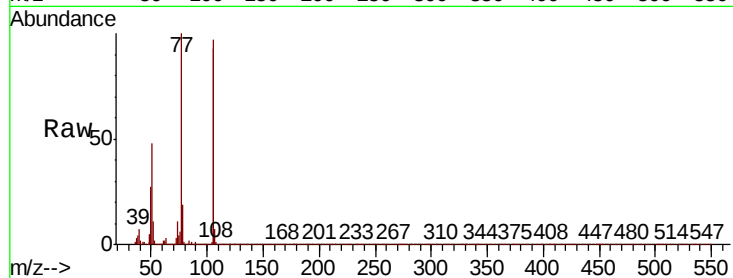




#9
Benzaldehyde
Concen: 9.986 ng
RT: 6.70 min Scan# 649
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

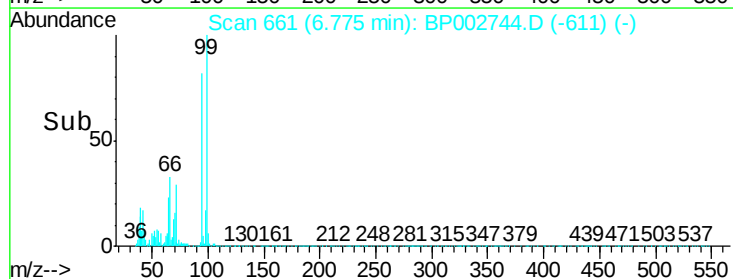
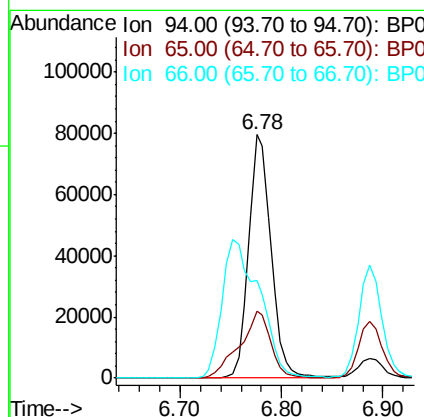
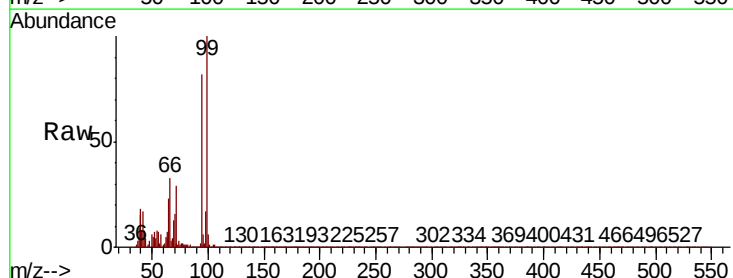
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

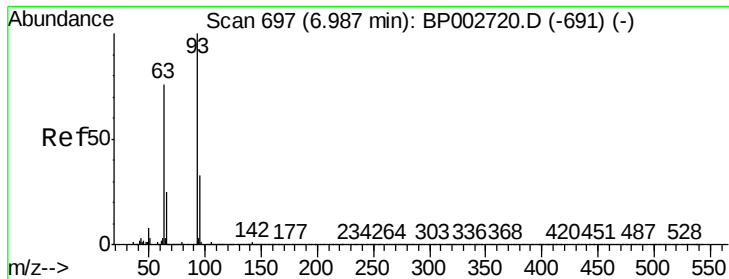
Tot Ion: 77 Resp: 88522
Ion Ratio Lower Upper
77 100
105 96.8 73.2 113.2
106 93.3 73.6 113.6



#10
Phenol
Concen: 7.338 ng
RT: 6.78 min Scan# 661
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion: 94 Resp: 122639
Ion Ratio Lower Upper
94 100
65 27.7 7.0 47.0
66 40.2 13.7 53.7

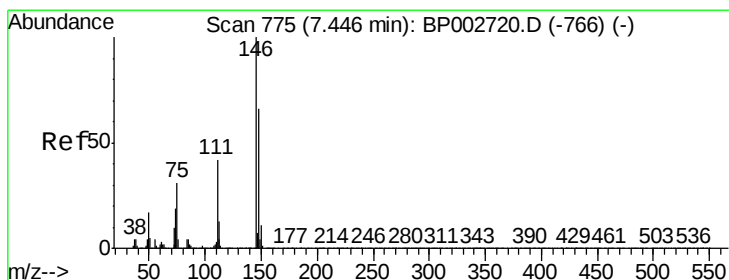
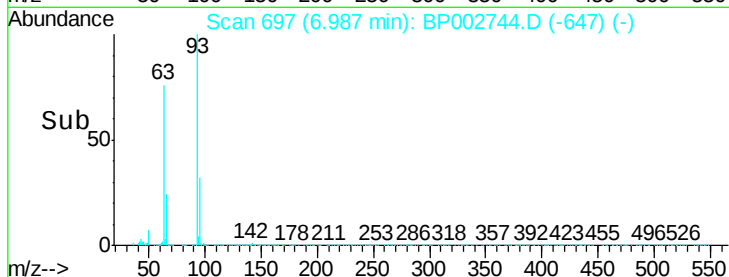
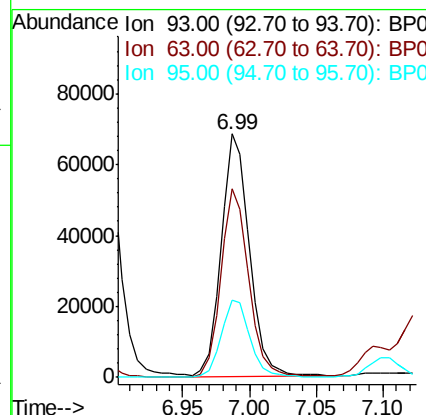
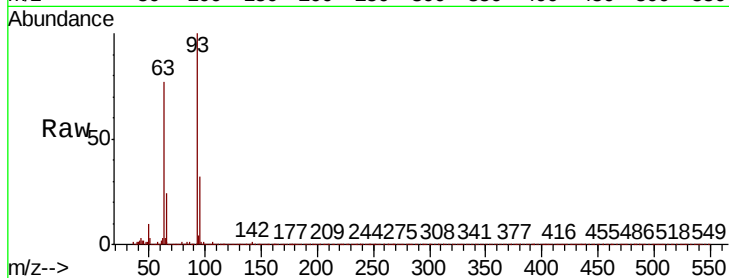




#11
bis(2-Chloroethyl)ether
Concen: 7.285 ng
RT: 6.99 min Scan# 697
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

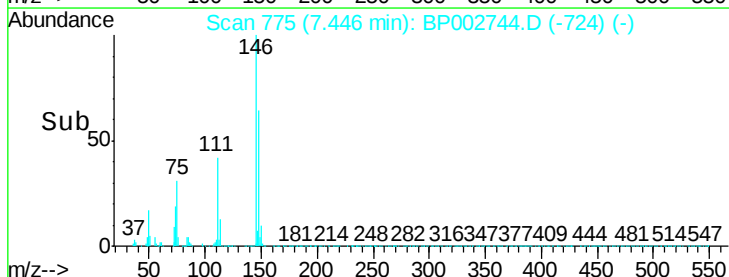
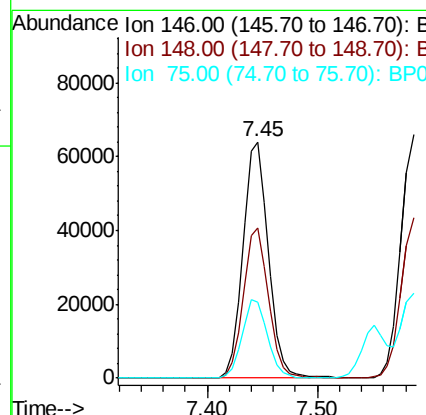
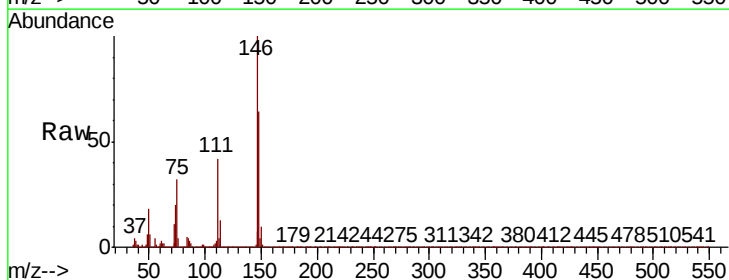
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

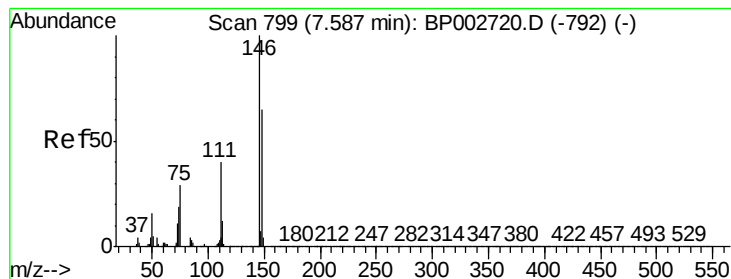
Tot Ion	Ratio	Lower	Upper
93	100		
63	77.3	55.1	95.1
95	32.0	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 7.110 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.6	78.8
75	32.4	25.2	37.8





#13

1,4-Dichlorobenzene

Concen: 7.226 ng

RT: 7.59 min Scan# 799

Delta R.T. 0.00 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

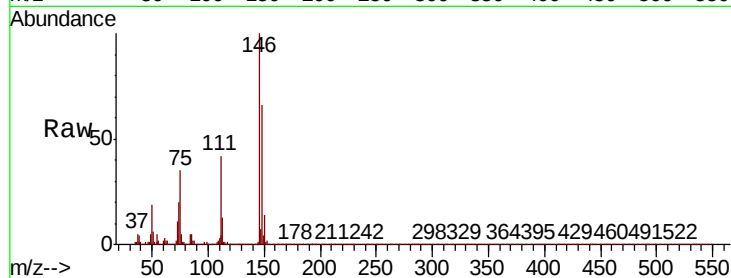
Tot Ion:146 Resp: 105770

Ion Ratio Lower Upper

146 100

148 66.1 52.1 78.1

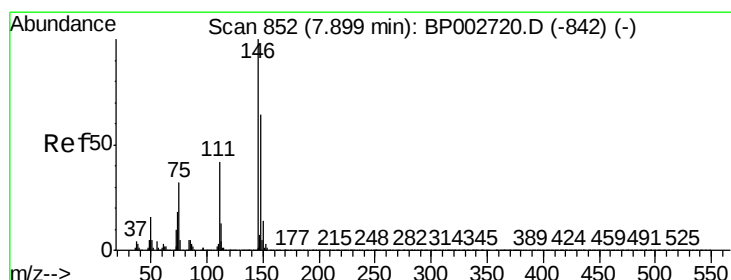
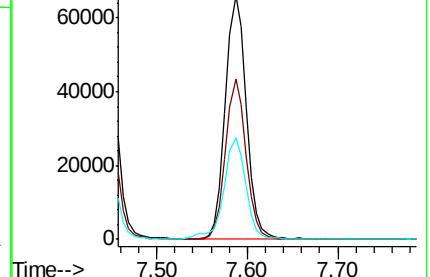
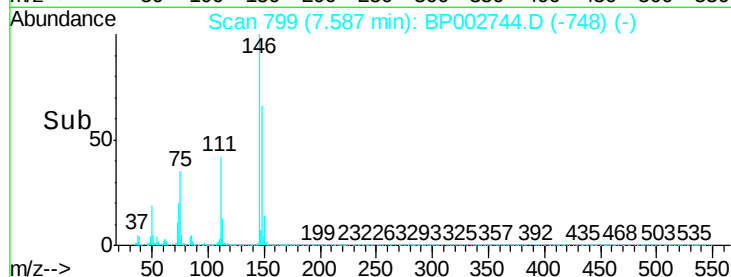
111 41.7 32.2 48.2



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



#14

1,2-Dichlorobenzene

Concen: 7.016 ng

RT: 7.90 min Scan# 852

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

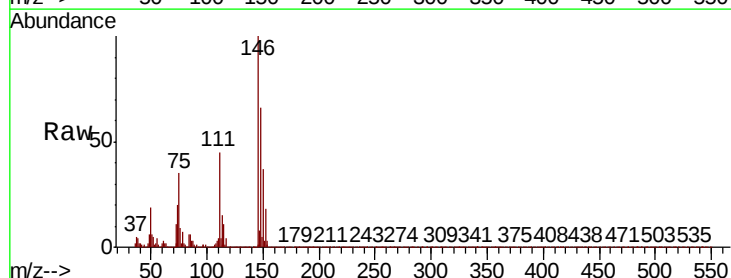
Tgt Ion:146 Resp: 99032

Ion Ratio Lower Upper

146 100

148 65.6 51.0 76.6

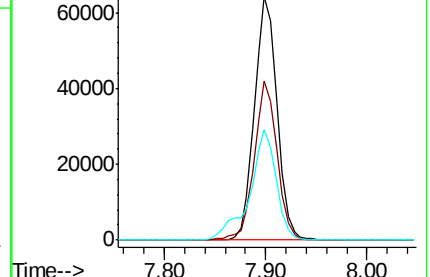
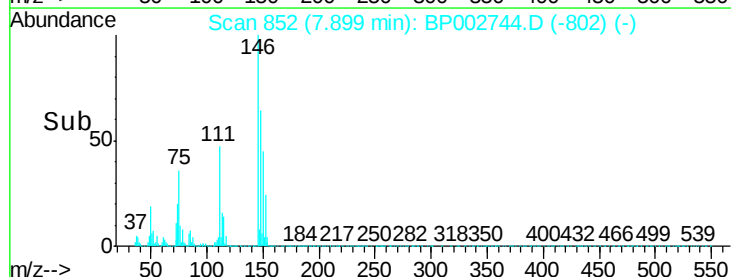
111 45.2 33.9 50.9



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

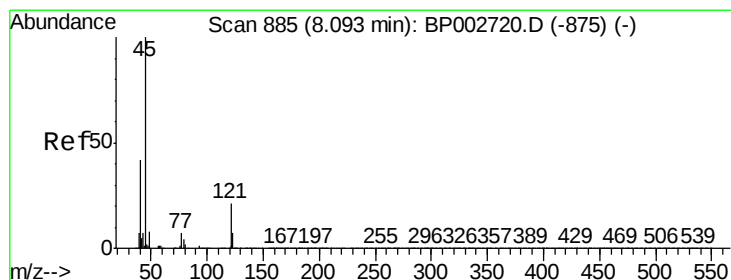
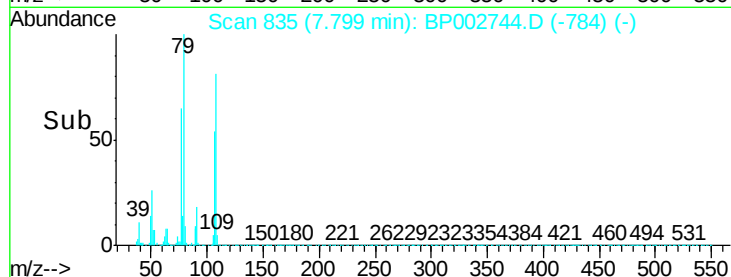
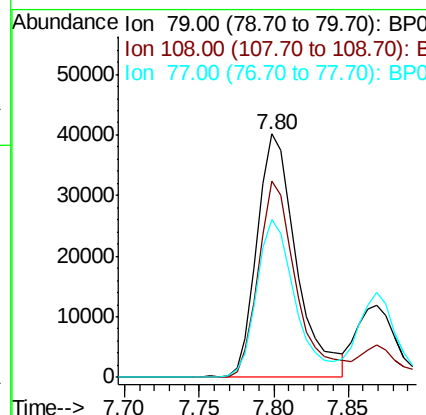
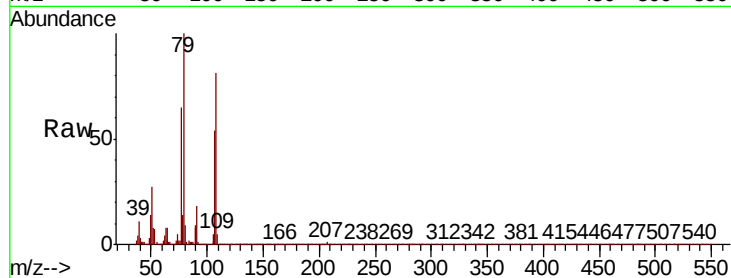




#15
Benzyl Alcohol
Concen: 6.690 ng
RT: 7.80 min Scan# 835
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

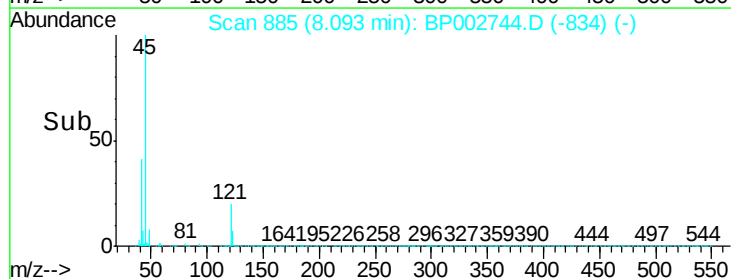
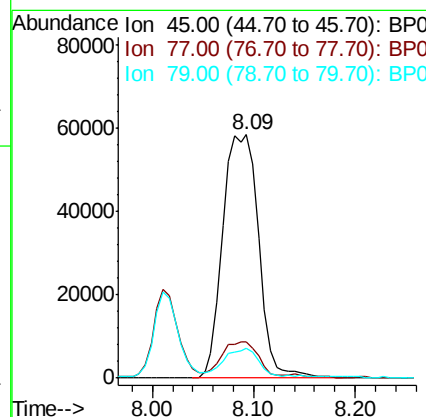
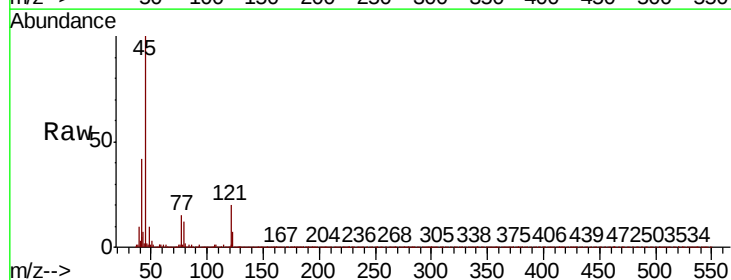
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

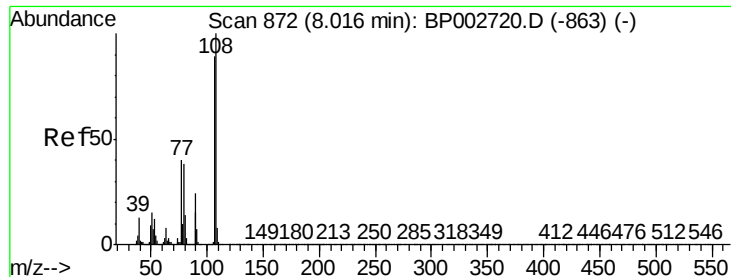
Tot Ion	Ratio	Lower	Upper
79	100		
108	80.7	63.1	94.7
77	64.8	50.8	76.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.194 ng
RT: 8.09 min Scan# 885
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.9	0.0	34.8
79	12.4	0.0	31.6





#17

2-Methylphenol

Concen: 6.523 ng

RT: 8.01 min Scan# 871

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:107 Resp: 77671

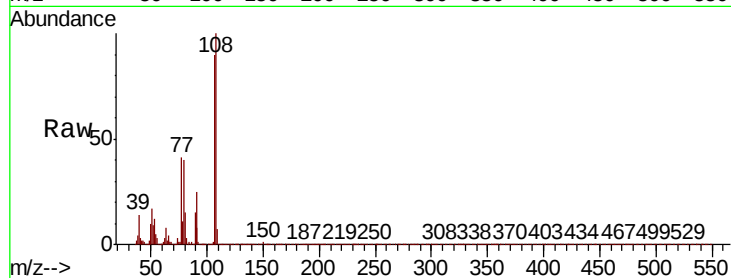
Ion Ratio Lower Upper

107 100

108 111.0 89.9 134.9

77 45.3 36.6 54.8

79 44.1 34.9 52.3

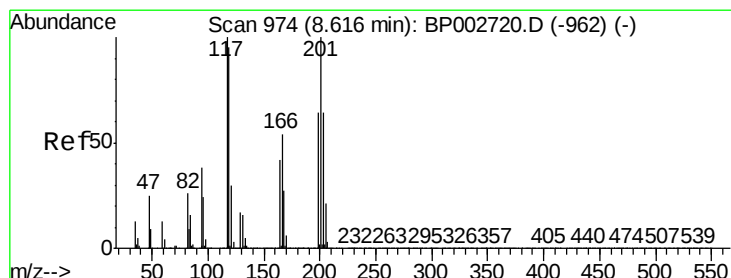
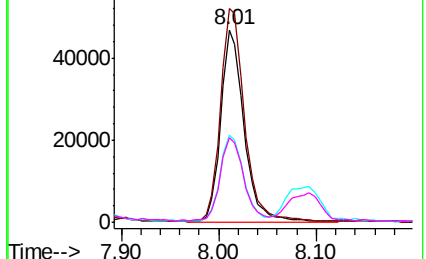
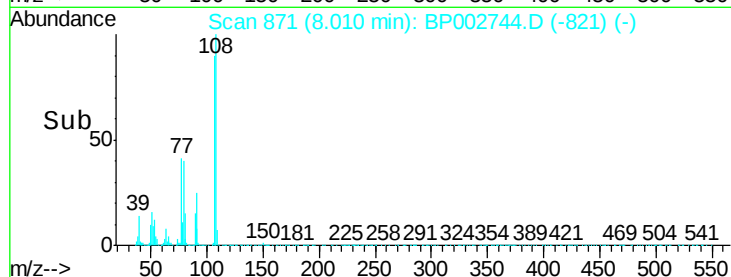


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#18

Hexachloroethane

Concen: 7.183 ng

RT: 8.62 min Scan# 974

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

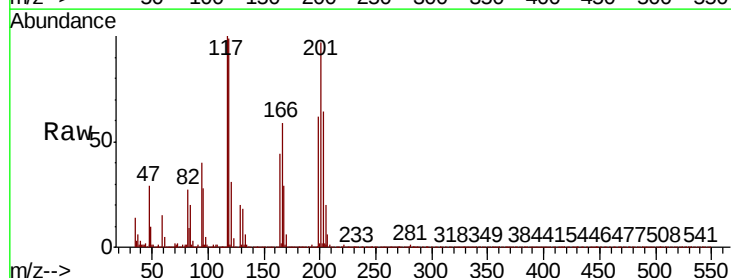
Tgt Ion:117 Resp: 37239

Ion Ratio Lower Upper

117 100

119 98.5 76.6 115.0

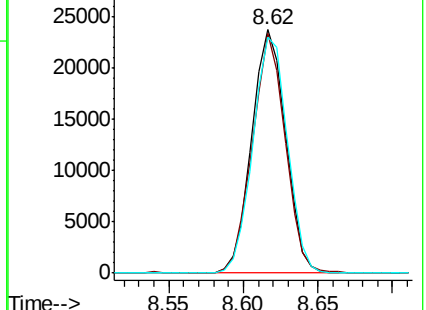
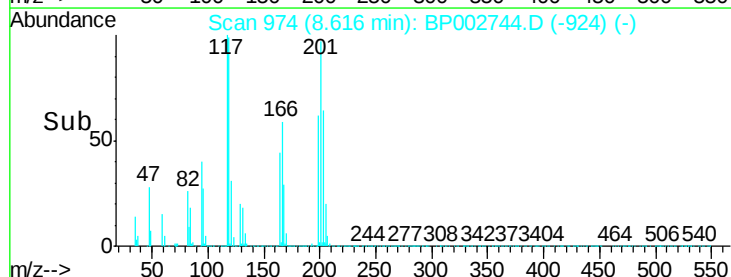
201 97.2 80.3 120.5

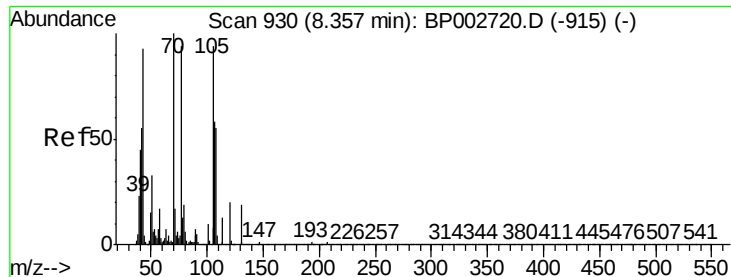


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

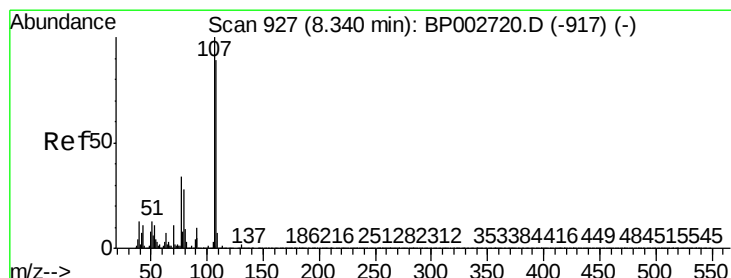
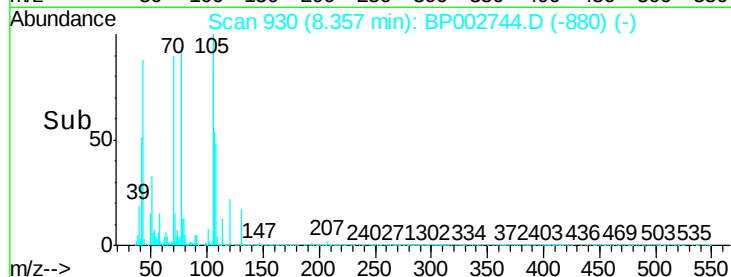
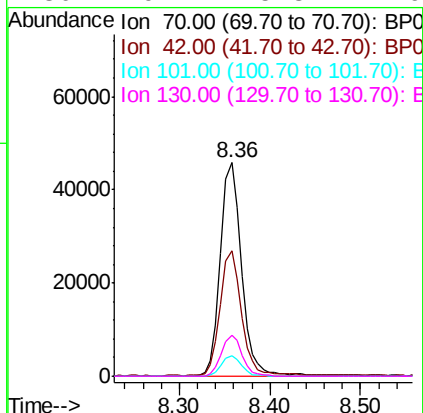
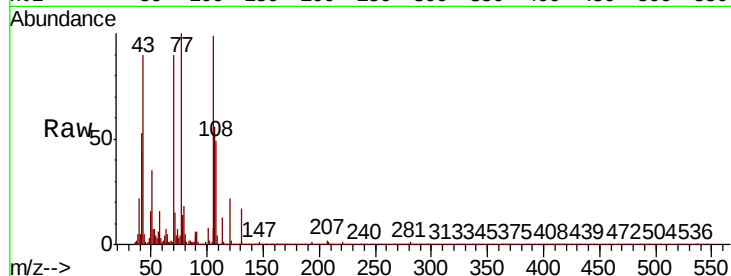




#19
n-Nitroso-di-n-propylamine
Concen: 7.486 ng
RT: 8.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

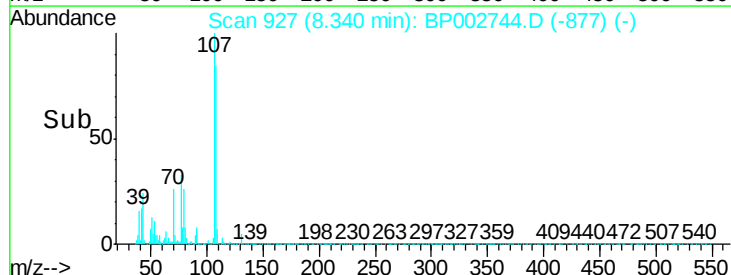
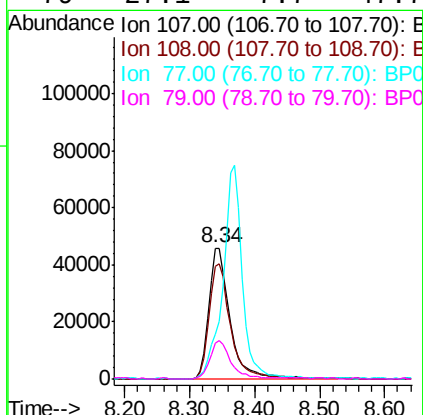
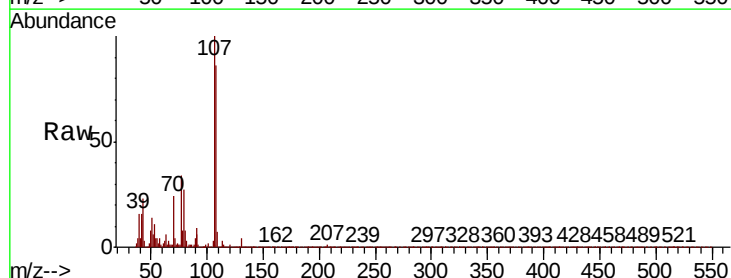
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

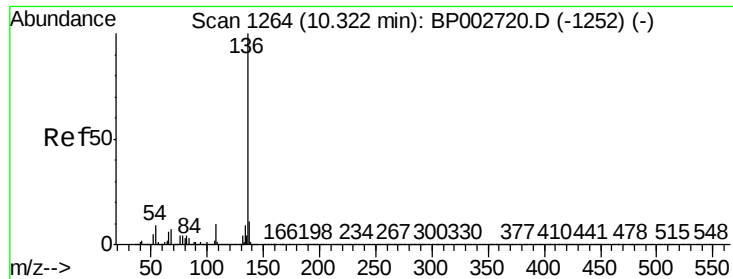
Tot Ion:	70	Resp:	74384
Ion	Ratio	Lower	Upper
70	100		
42	58.8	44.2	66.4
101	9.4	7.7	11.5
130	19.1	15.3	22.9



#20
3+4-Methylphenols
Concen: 6.536 ng
RT: 8.34 min Scan# 927
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:	107	Resp:	102901
Ion	Ratio	Lower	Upper
107	100		
108	85.8	69.5	109.5
77	33.9	14.3	54.3
79	27.1	7.7	47.7

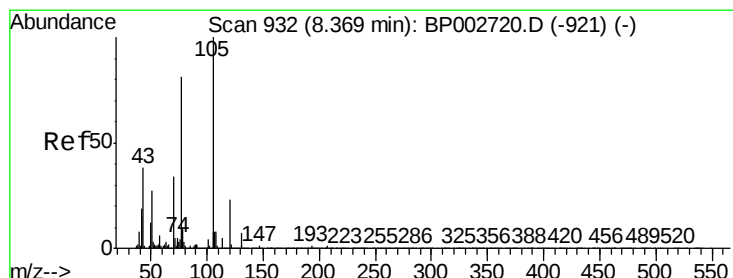
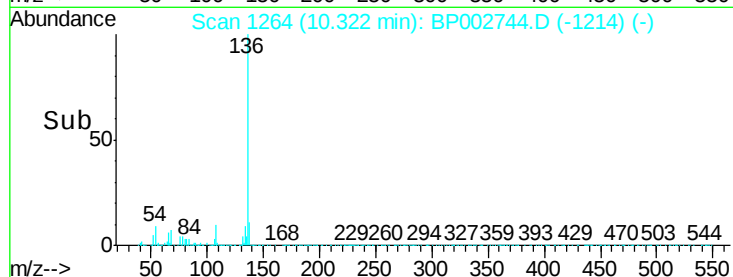
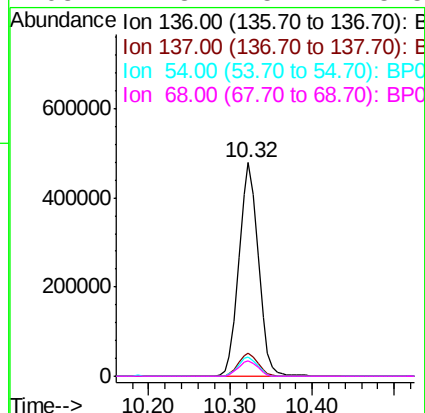
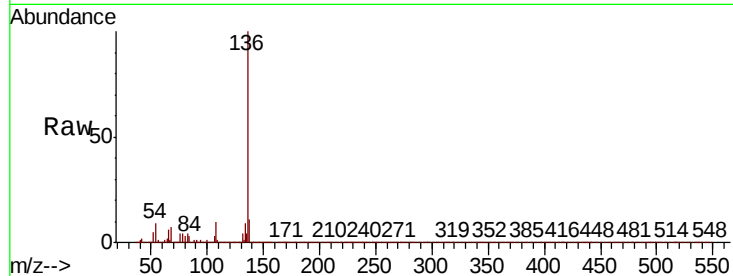




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

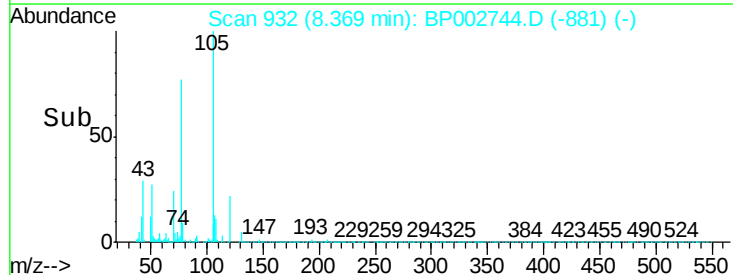
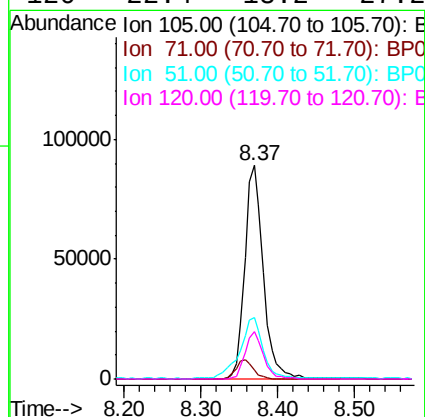
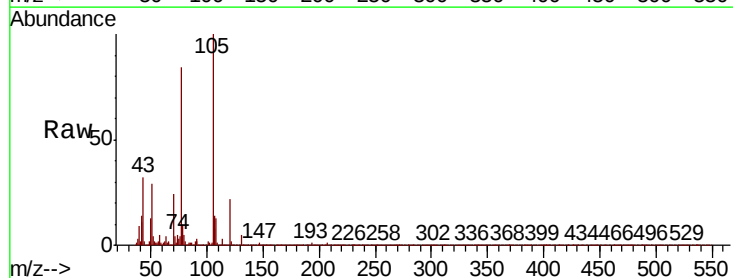
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

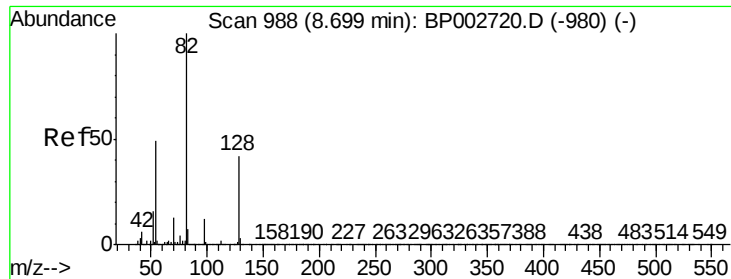
Tot Ion:136	Resp:	792321	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.6	13.0	
54 8.8	6.9	10.3	
68 7.3	5.7	8.5	



#22
Acetophenone
Concen: 7.728 ng
RT: 8.37 min Scan# 932
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt	Ion:105	Resp:	150956
Ion	Ratio	Lower	Upper
105	100		
71	4.3	4.4	6.6#
51	28.6	21.8	32.8
120	22.4	18.2	27.2

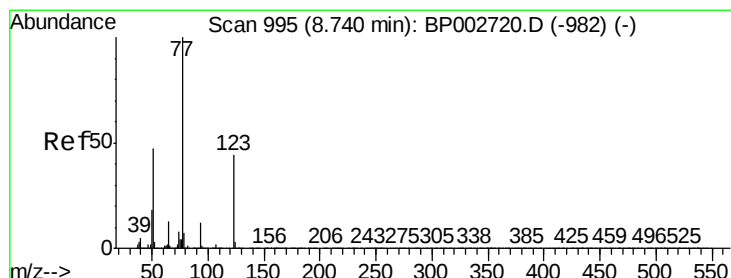
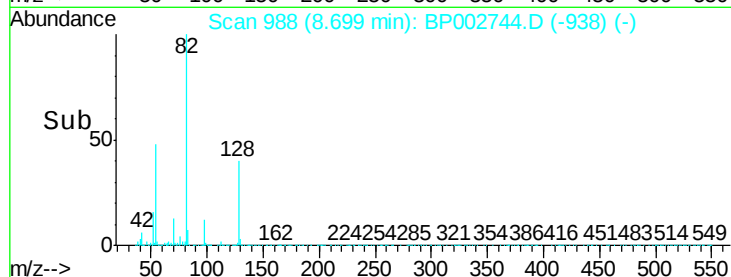
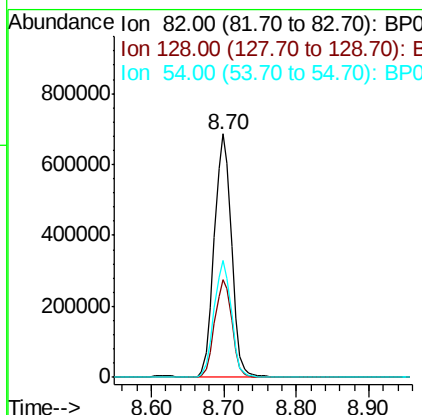
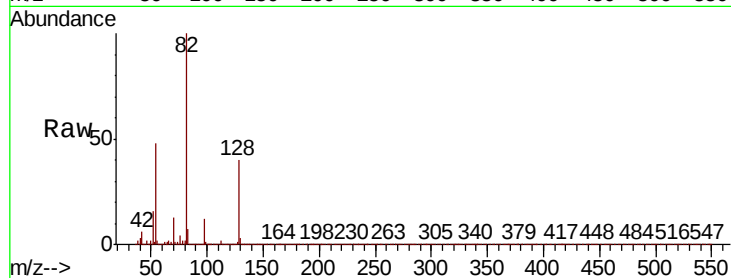




#23
Nitrobenzene-d5
Concen: 76.852 ng
RT: 8.70 min Scan# 988
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

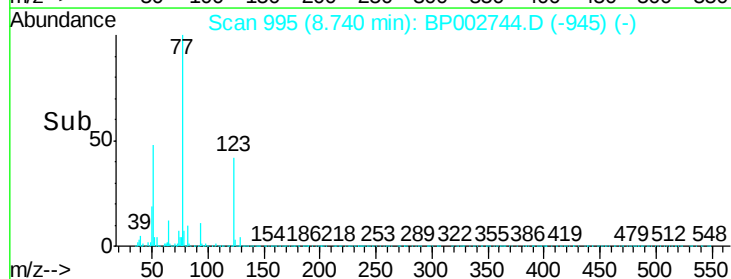
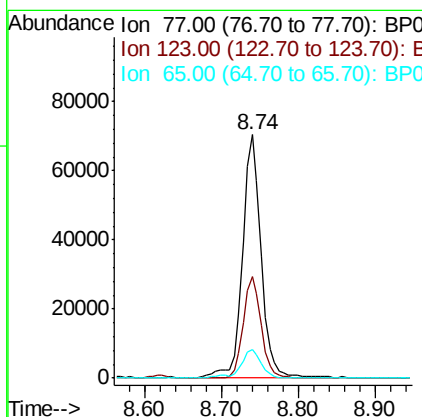
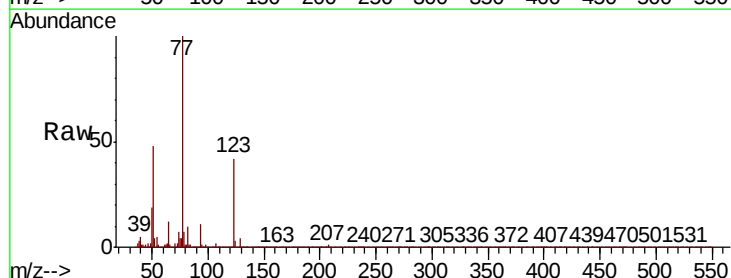
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

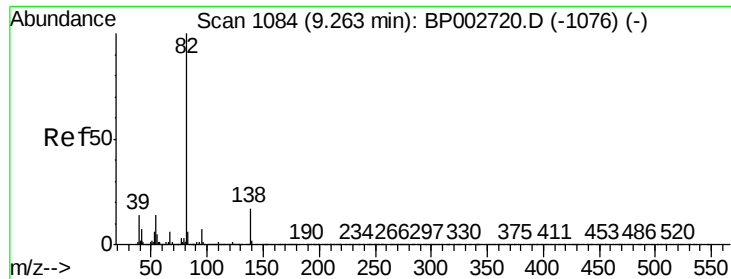
Tot Ion: 82 Resp: 1138513
Ion Ratio Lower Upper
82 100
128 40.2 33.8 50.8
54 48.2 38.8 58.2



#24
Nitrobenzene
Concen: 7.359 ng
RT: 8.74 min Scan# 995
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion: 77 Resp: 118067
Ion Ratio Lower Upper
77 100
123 41.6 35.0 52.6
65 11.9 10.4 15.6

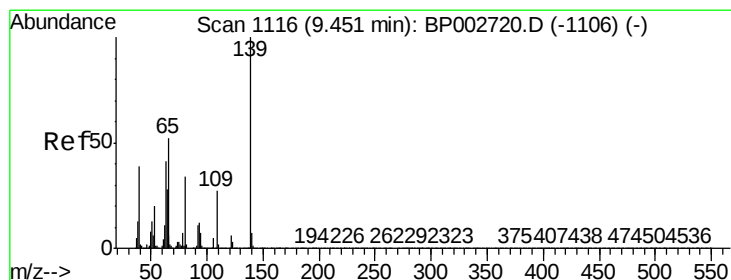
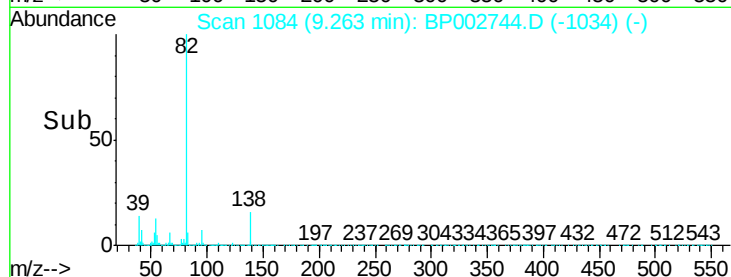
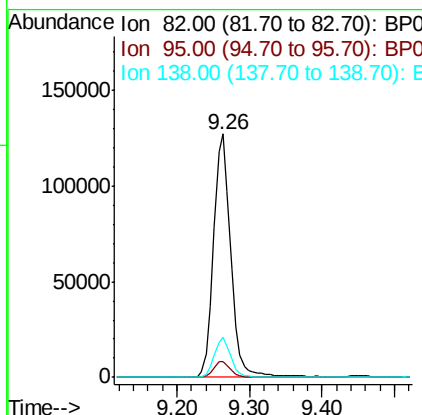
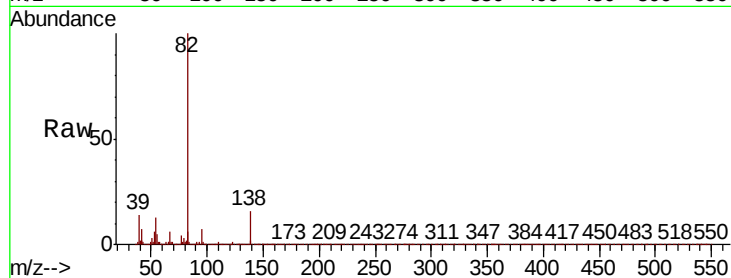




#25
Isophorone
Concen: 6.924 ng
RT: 9.26 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

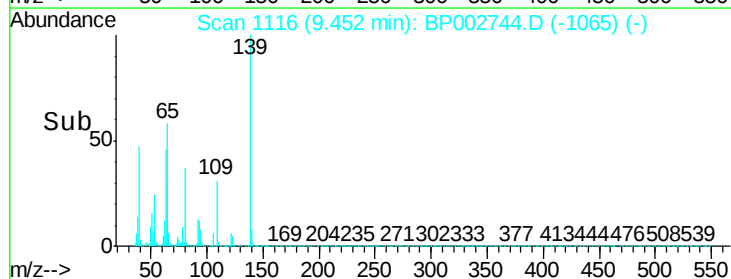
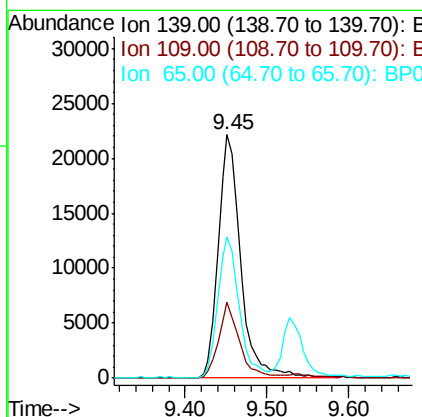
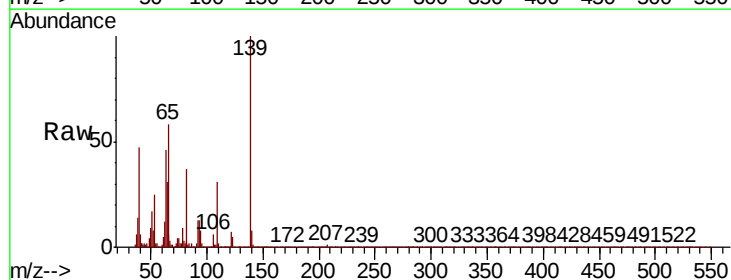
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

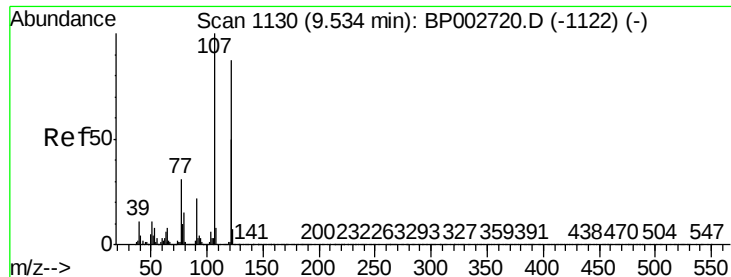
Tot Ion	82	Resp	209063
Ion Ratio	Lower	Upper	
82	100		
95	6.6	5.2	7.8
138	16.4	13.2	19.8



#26
2-Nitrophenol
Concen: 6.124 ng
RT: 9.45 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion	139	Resp	42438
Ion Ratio	Lower	Upper	
139	100		
109	31.0	21.9	32.9
65	57.8	41.3	61.9





#27

2,4-Dimethylphenol

Concen: 7.107 ng

RT: 9.53 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

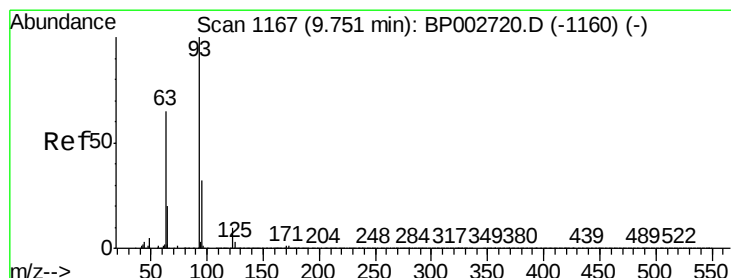
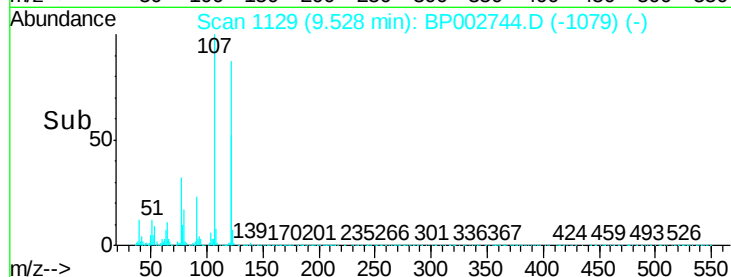
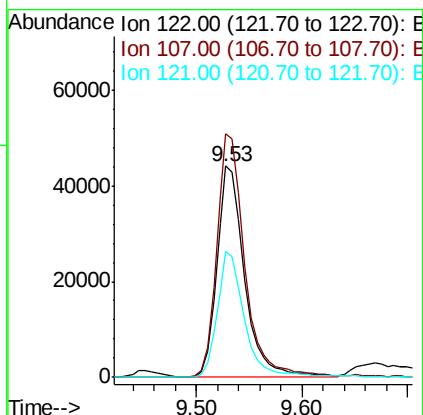
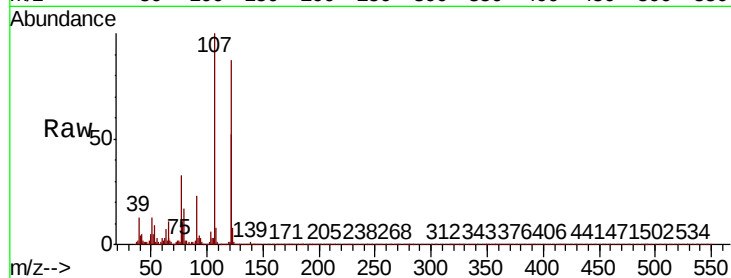
Tot Ion:122 Resp: 79958

Ion Ratio Lower Upper

122 100

107 115.1 92.2 138.4

121 59.6 45.8 68.6



#28

bis(2-Chloroethoxy)methane

Concen: 7.452 ng

RT: 9.75 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

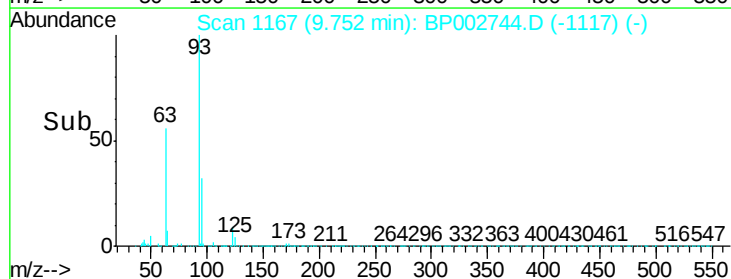
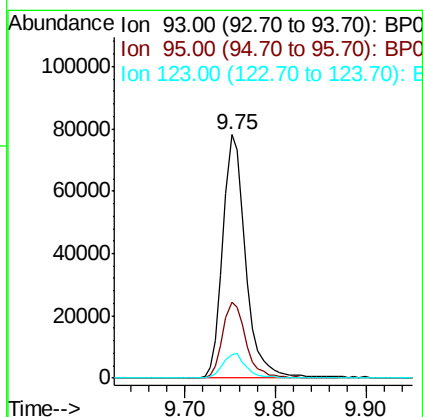
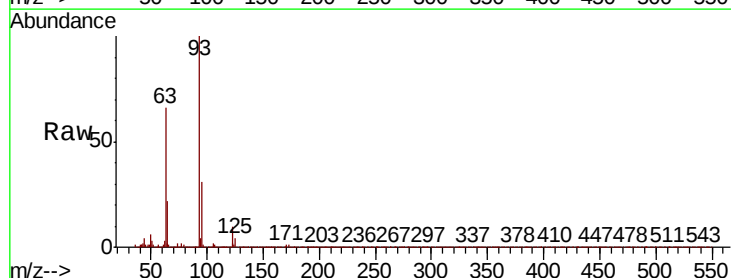
Tgt Ion: 93 Resp: 136655

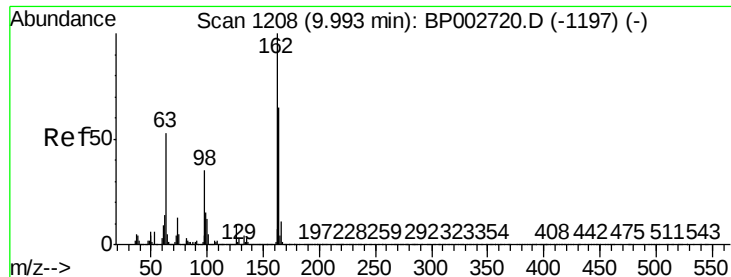
Ion Ratio Lower Upper

93 100

95 31.4 25.8 38.6

123 9.9 8.9 13.3

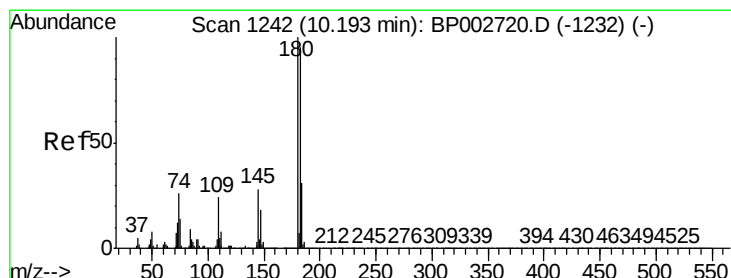
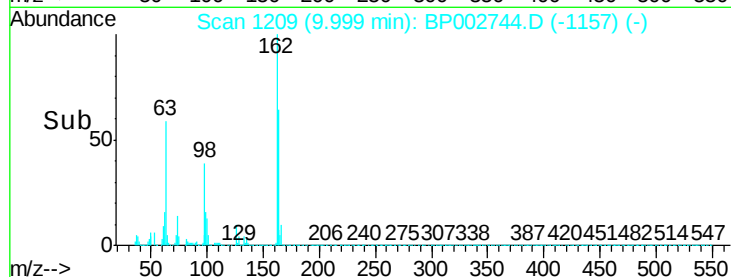
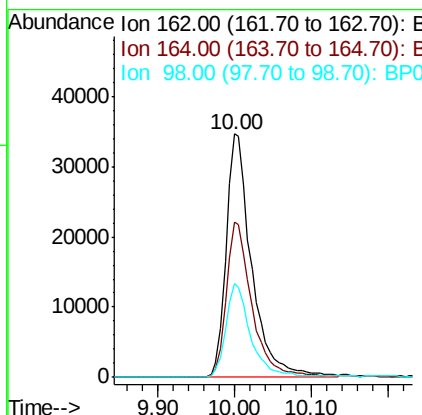
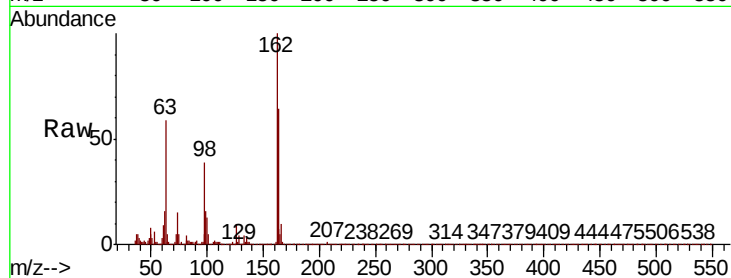




#29
 2,4-Dichlorophenol
 Concen: 6.444 ng
 RT: 10.00 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

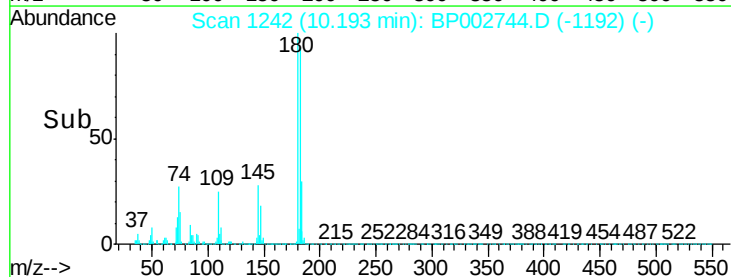
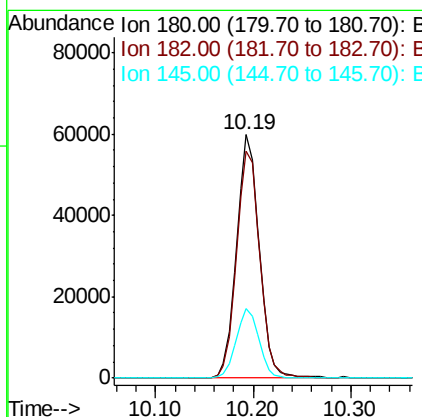
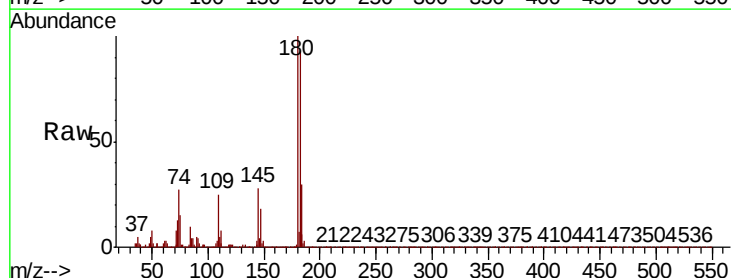
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

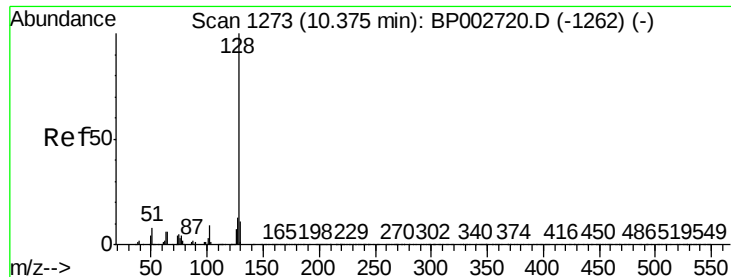
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.5	84.5
98	38.7	15.2	55.2



#30
 1,2,4-Trichlorobenzene
 Concen: 6.811 ng
 RT: 10.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.8	113.6
145	28.4	22.6	34.0

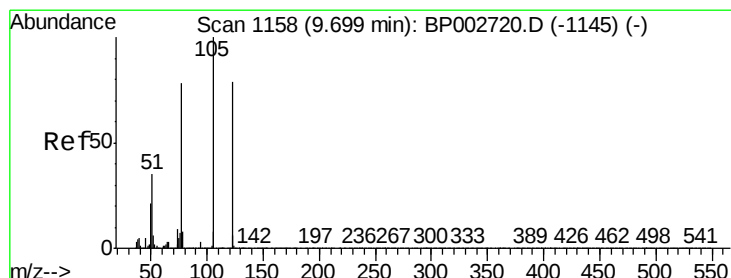
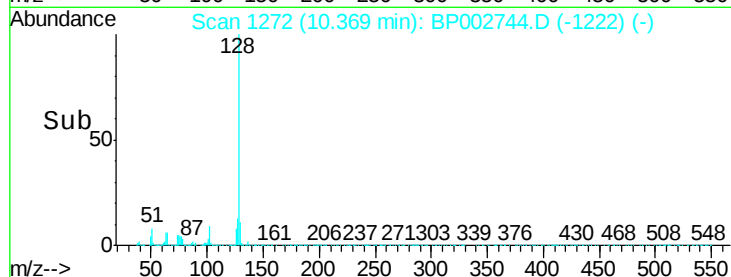
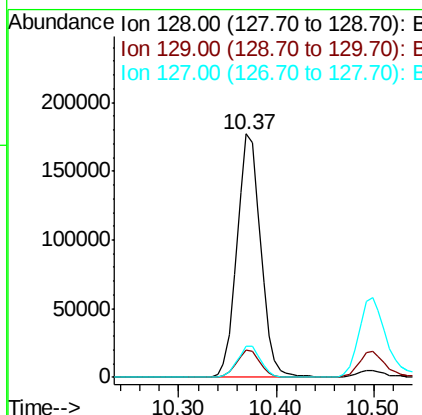
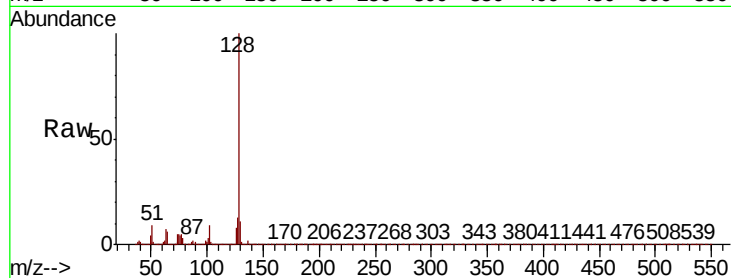




#31
Naphthalene
Concen: 7.197 ng
RT: 10.37 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

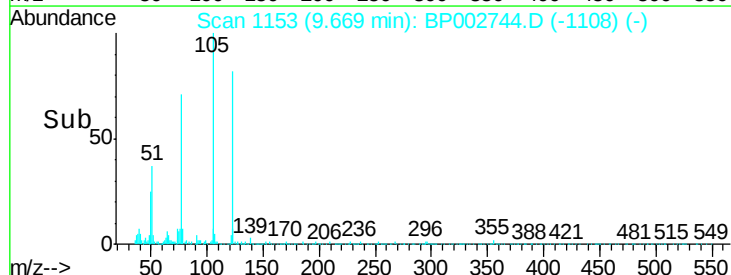
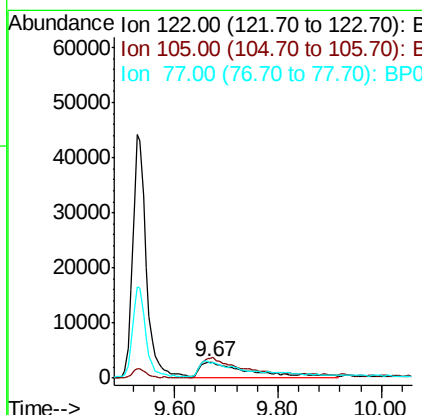
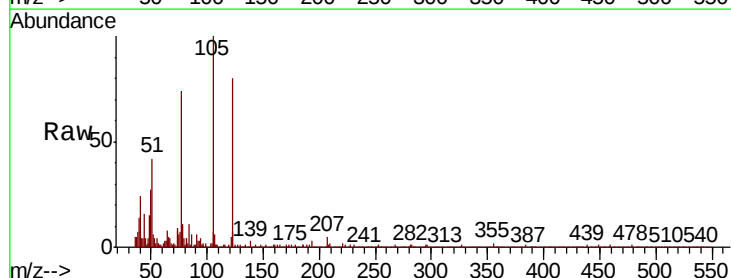
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

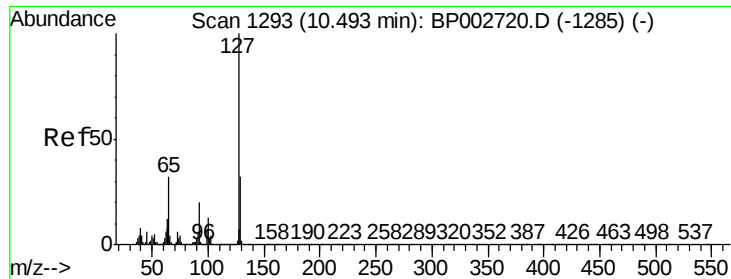
Tot Ion:128 Resp: 301051
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.0 10.6 15.8



#32
Benzoic acid
Concen: 2.645 ng m
RT: 9.67 min Scan# 1153
Delta R.T. -0.04 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:122 Resp: 20328
Ion Ratio Lower Upper
122 100
105 124.7 105.4 145.4
77 92.4 78.5 118.5

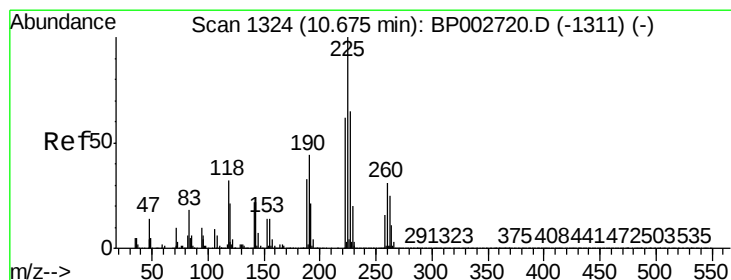
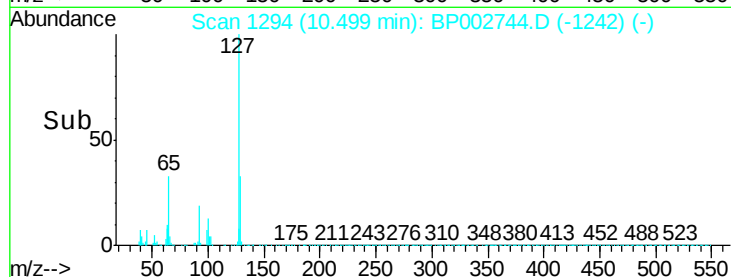
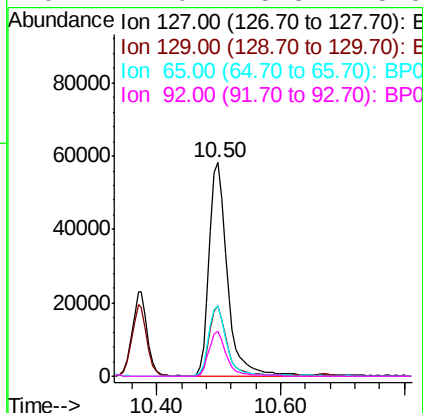
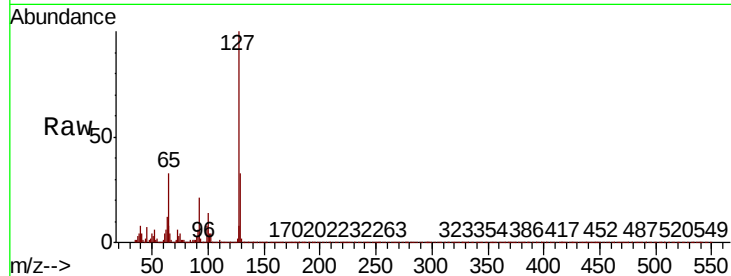




#33
4-Chloroaniline
Concen: 6.586 ng
RT: 10.50 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

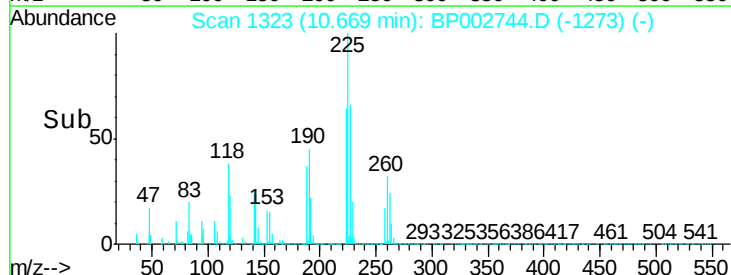
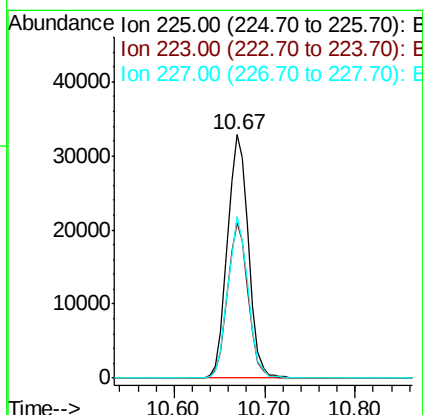
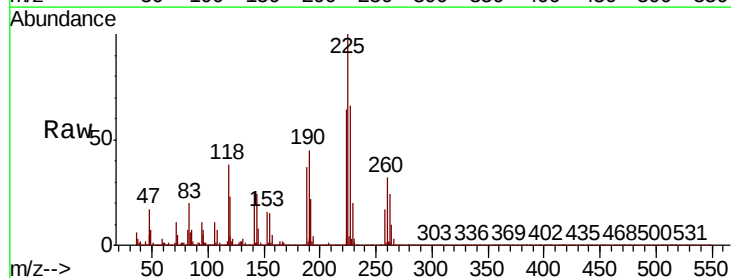
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

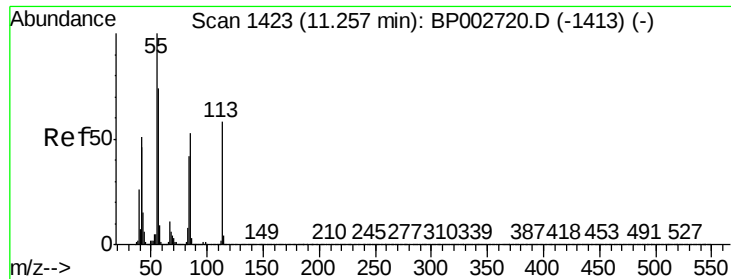
Tot Ion:	127	Resp:	118061
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.3	37.9
65	32.9	25.4	38.2
92	21.0	15.8	23.8



#34
Hexachlorobutadiene
Concen: 6.459 ng
RT: 10.67 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:	225	Resp:	53036
Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.9	74.9
227	66.3	51.8	77.6

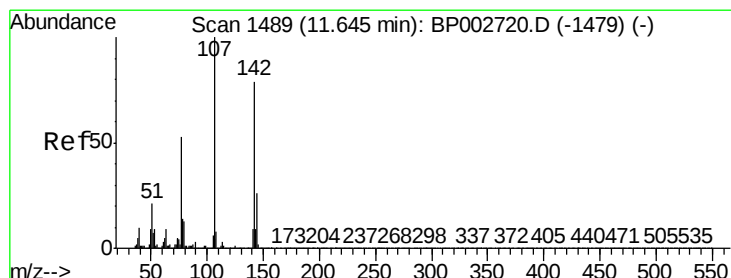
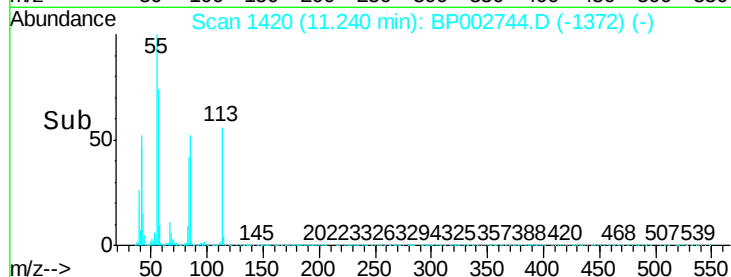
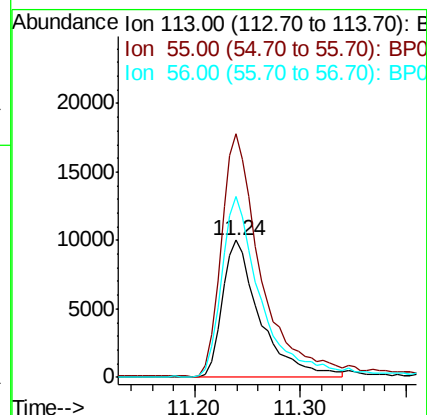
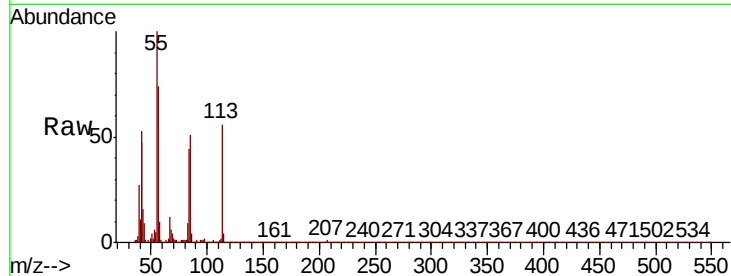




#35
 Caprolactam
 Concen: 5.762 ng
 RT: 11.24 min Scan# 1420
 Delta R.T. -0.02 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

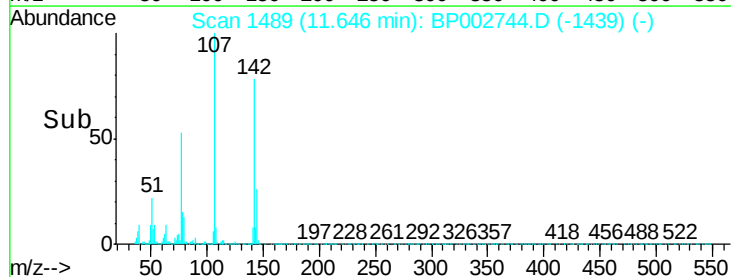
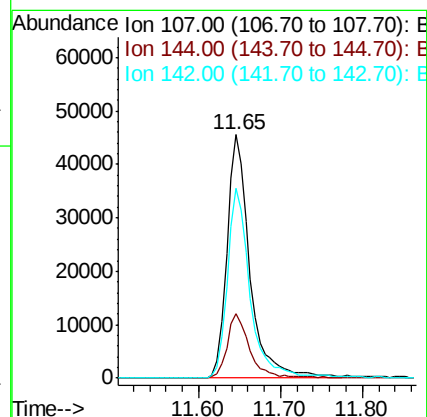
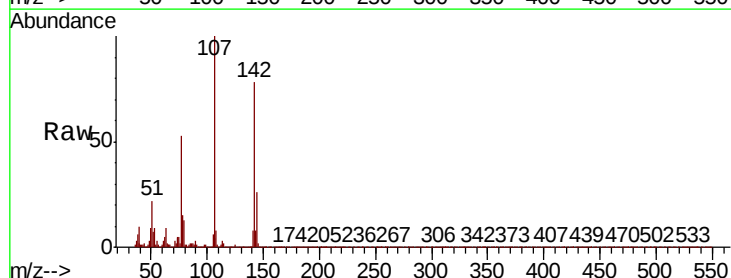
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

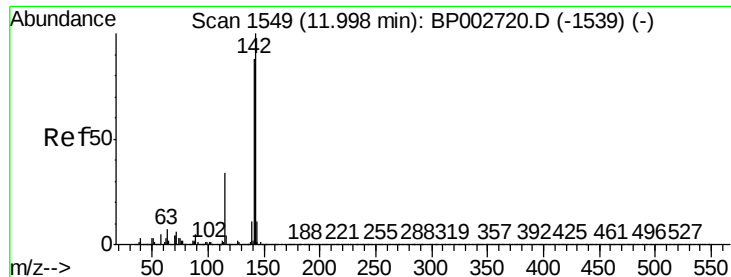
Tot Ion:113 Resp: 24989
 Ion Ratio Lower Upper
 113 100
 55 177.7 152.8 192.8
 56 131.9 107.5 147.5



#36
 4-Chloro-3-methylphenol
 Concen: 6.599 ng
 RT: 11.65 min Scan# 1489
 Delta R.T. -0.01 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

Tgt Ion:107 Resp: 88229
 Ion Ratio Lower Upper
 107 100
 144 26.4 20.6 30.8
 142 77.7 63.4 95.2

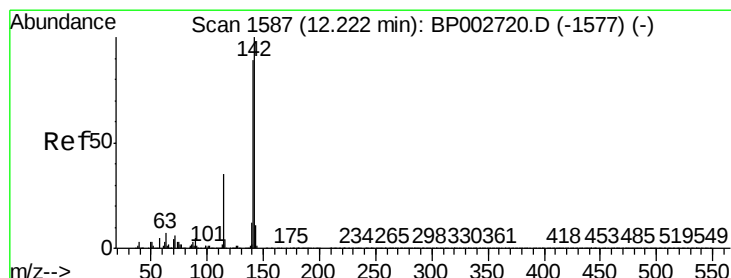
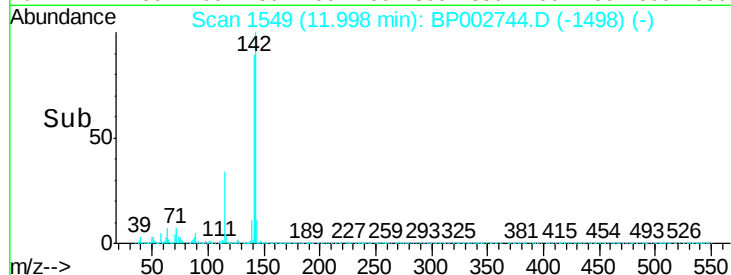
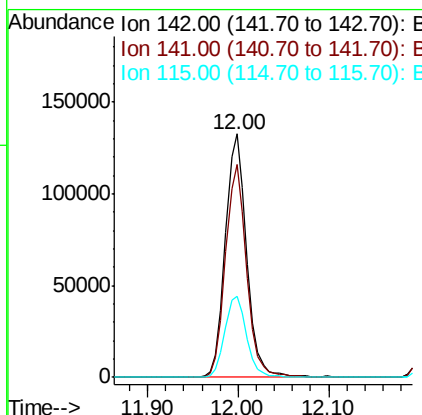
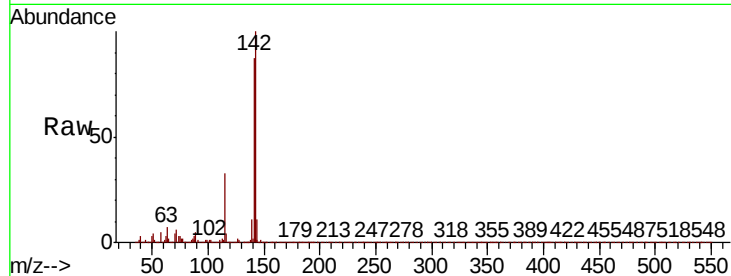




#37
2-Methylnaphthalene
Concen: 7.342 ng
RT: 12.00 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

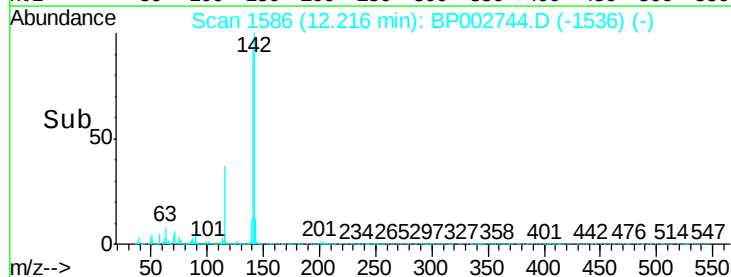
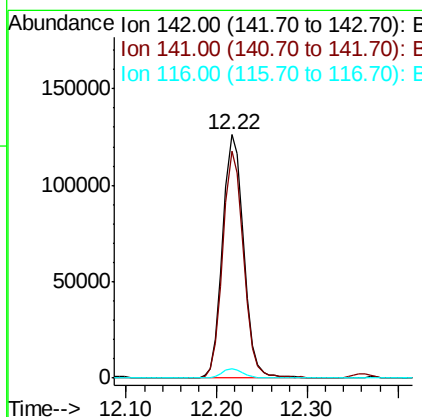
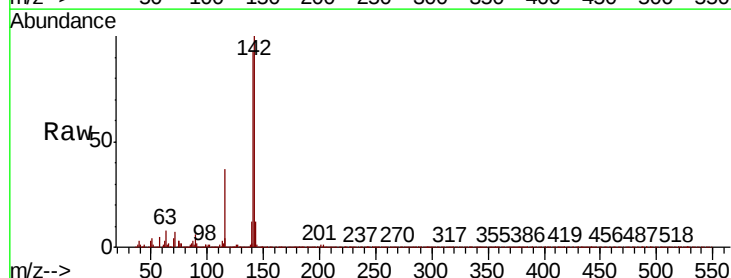
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

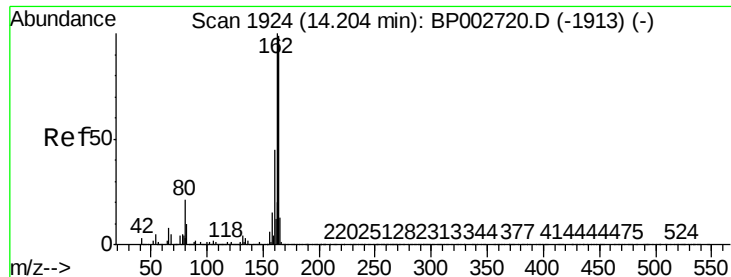
Tot Ion:142 Resp: 216711
Ion Ratio Lower Upper
142 100
141 87.4 70.4 105.6
115 33.3 27.0 40.6



#38
1-Methylnaphthalene
Concen: 7.273 ng
RT: 12.22 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:142 Resp: 203047
Ion Ratio Lower Upper
142 100
141 93.0 71.5 107.3
116 3.7 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

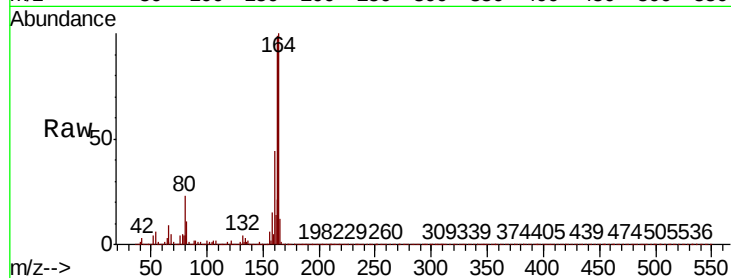
Tot Ion:164 Resp: 504309

Ion Ratio Lower Upper

164 100

162 98.9 80.6 121.0

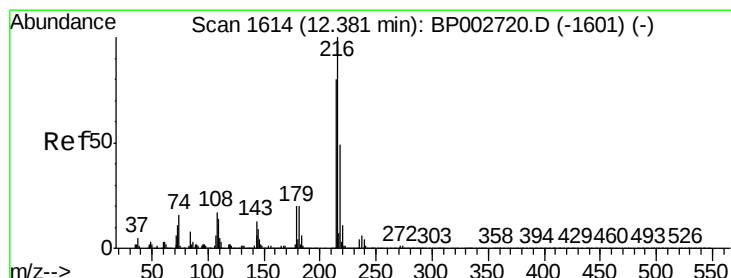
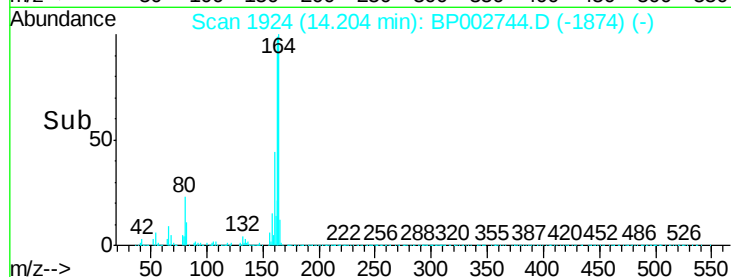
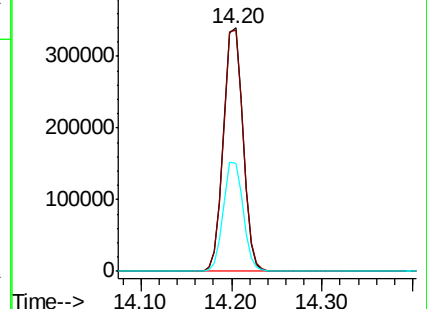
160 44.2 36.4 54.6



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: 7.045 ng

RT: 12.38 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Tgt Ion:216 Resp: 109186

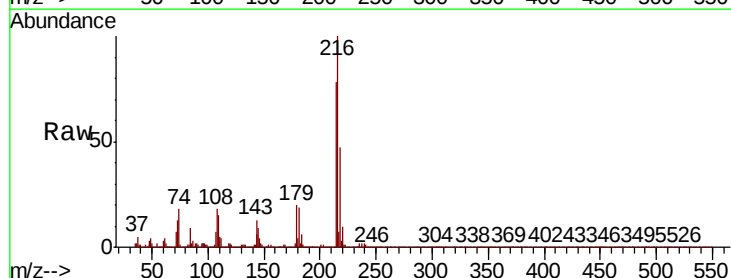
Ion Ratio Lower Upper

216 100

214 79.1 63.4 95.2

179 20.3 16.2 24.2

108 18.8 14.8 22.2

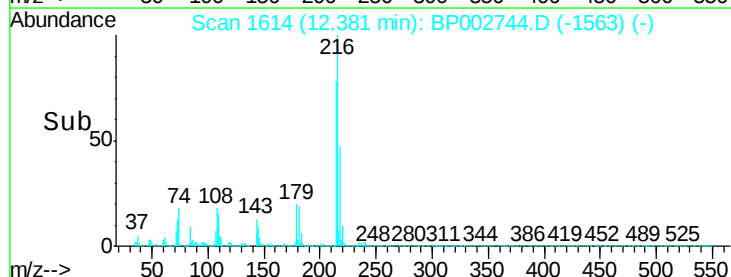
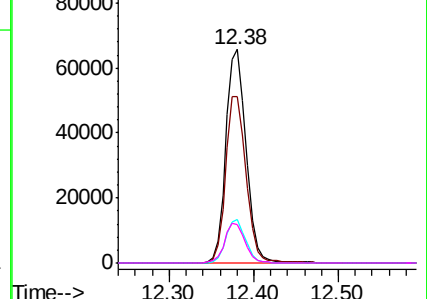


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

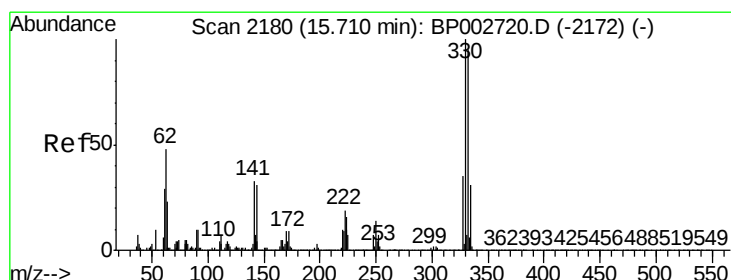
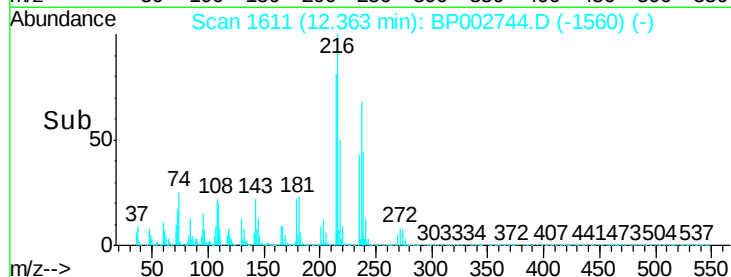
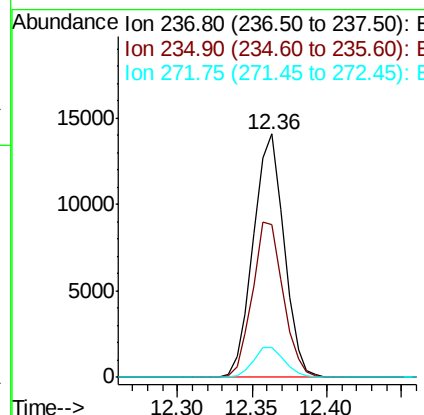
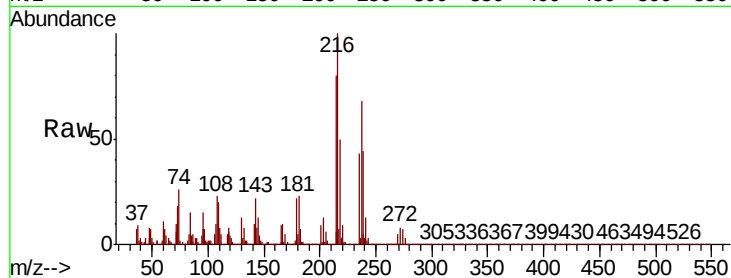




#41
Hexachlorocyclopentadiene
Concen: 3.585 ng
RT: 12.36 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

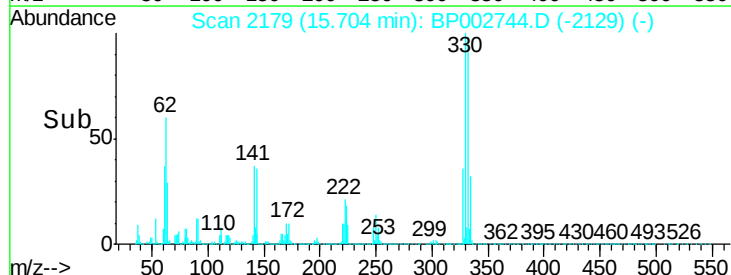
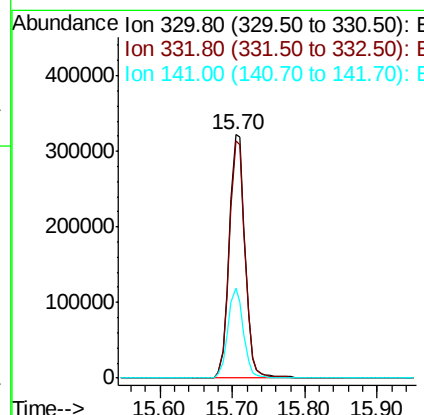
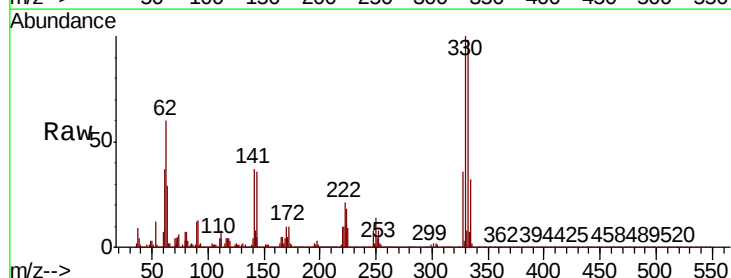
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

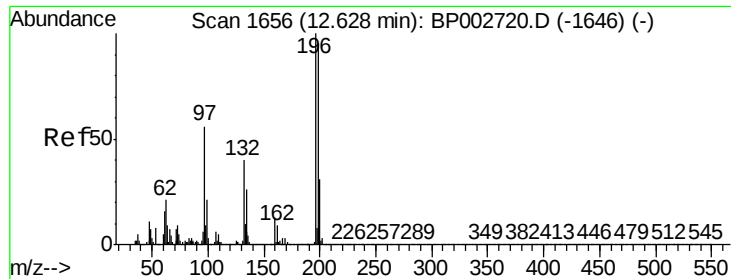
Tot Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.3	82.3
272	12.3	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 93.082 ng
RT: 15.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.5	114.7
141	36.5	28.8	43.2

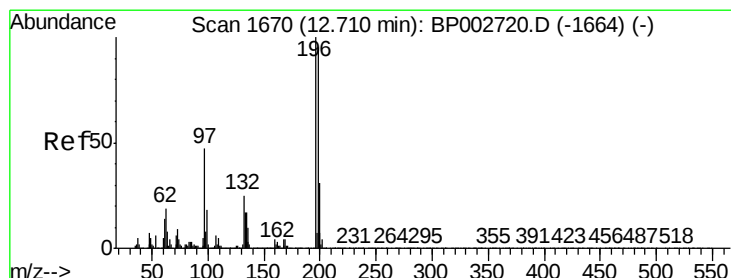
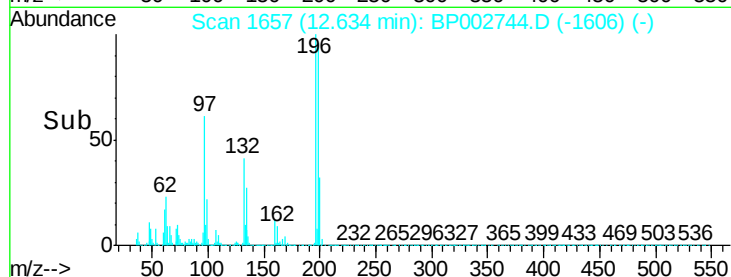
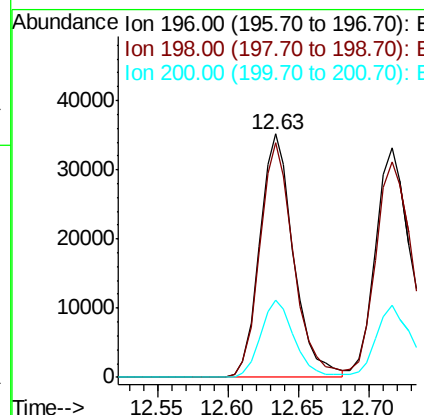
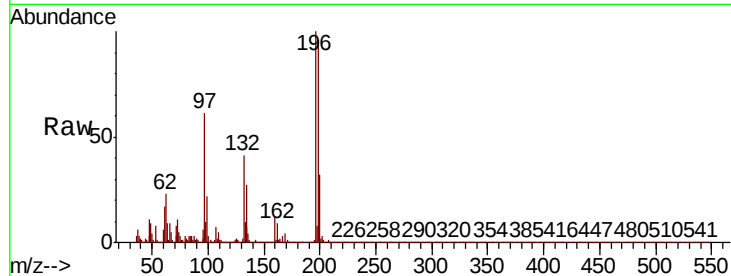




#43
 2,4,6-Trichlorophenol
 Concen: 5.949 ng
 RT: 12.63 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

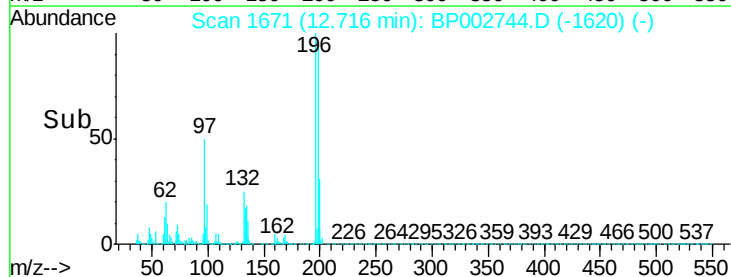
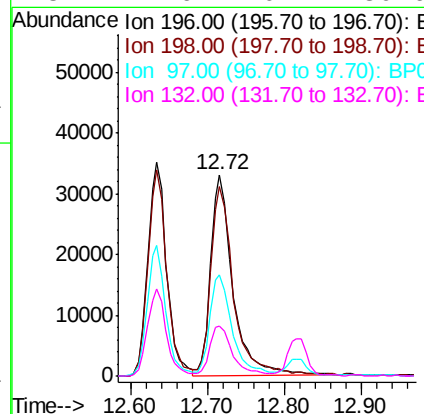
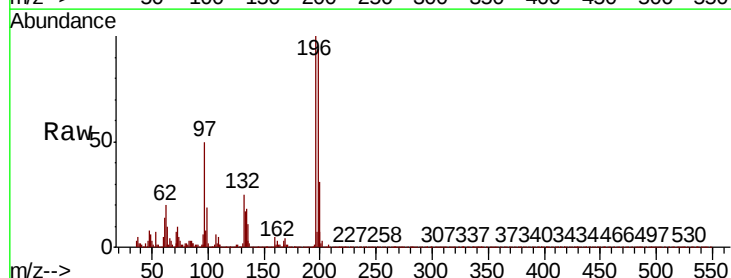
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

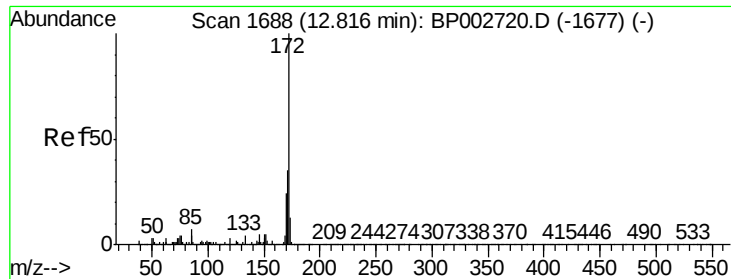
Tot Ion:196 Resp: 59018
 Ion Ratio Lower Upper
 196 100
 198 96.3 75.8 113.6
 200 31.6 24.5 36.7



#44
 2,4,5-Trichlorophenol
 Concen: 5.656 ng
 RT: 12.72 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

Tgt Ion:196 Resp: 65084
 Ion Ratio Lower Upper
 196 100
 198 94.2 75.8 113.6
 97 50.1 38.0 57.0
 132 24.6 20.4 30.6

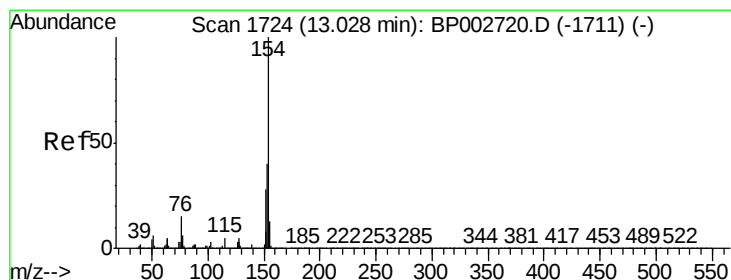
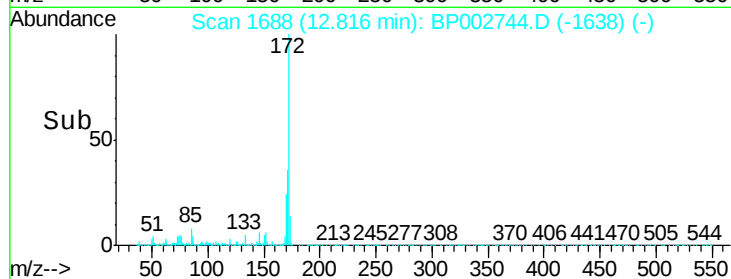
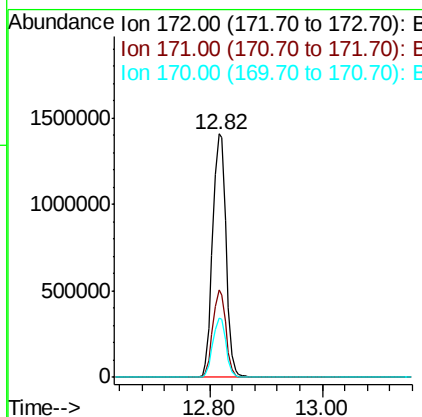
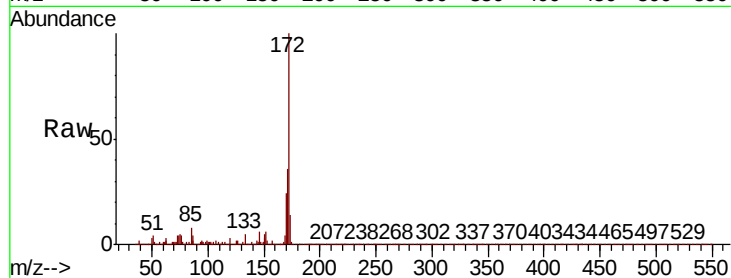




#45
2-Fluorobiphenyl
Concen: 71.533 ng
RT: 12.82 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

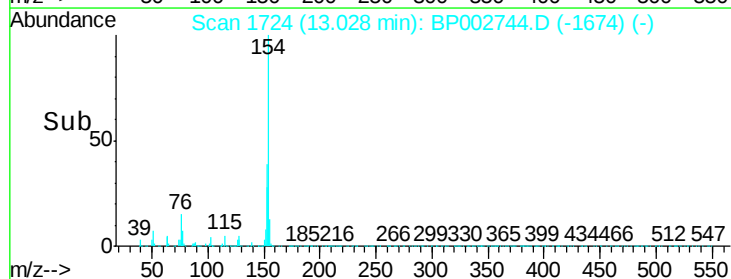
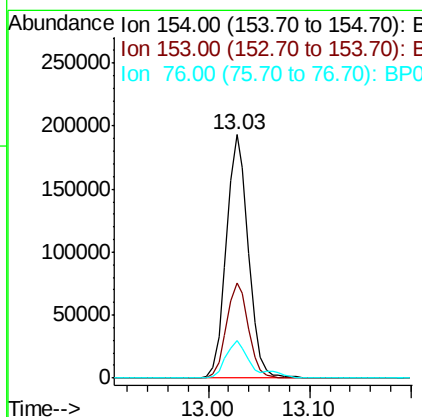
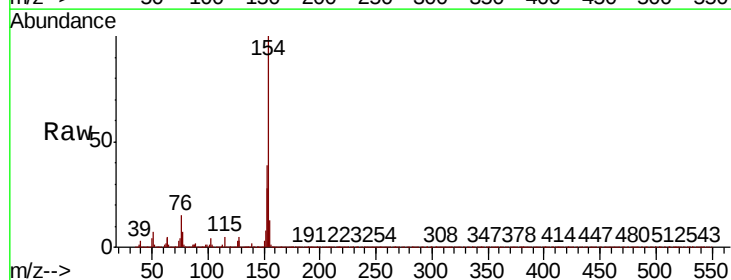
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

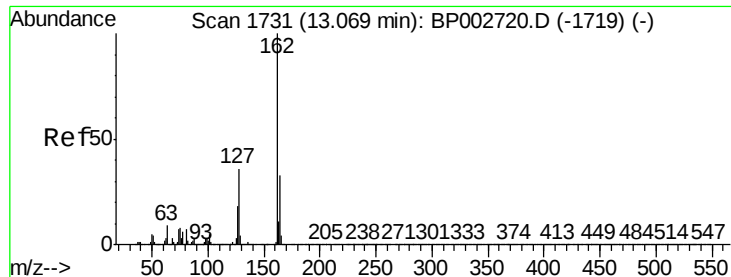
Tot Ion:172 Resp: 2331957
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 24.3 19.3 28.9



#46
1,1'-Biphenyl
Concen: 7.735 ng
RT: 13.03 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:154 Resp: 290823
Ion Ratio Lower Upper
154 100
153 39.1 19.8 59.8
76 15.2 0.0 34.7

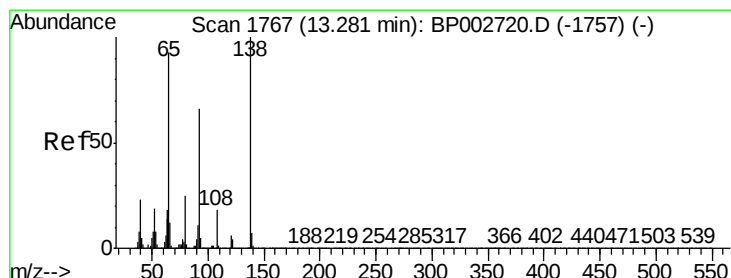
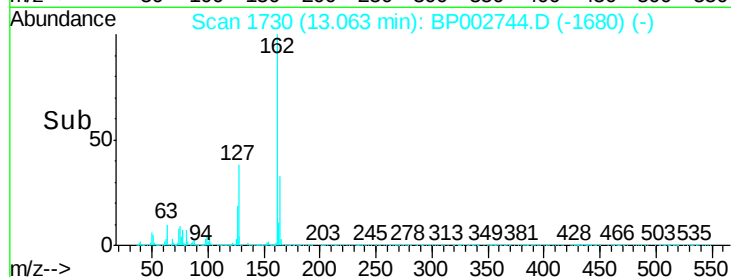
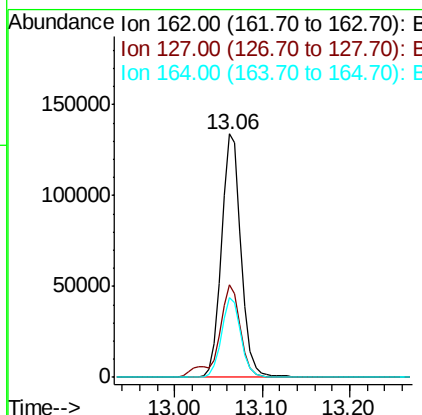
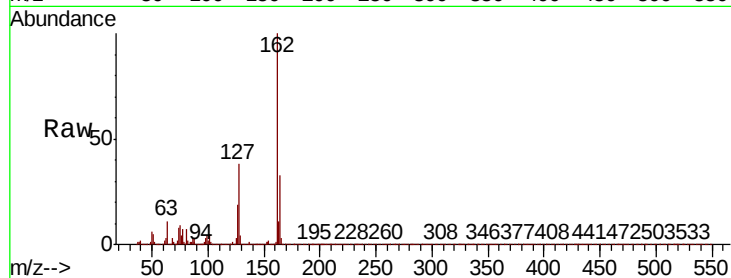




#47
2-Chloronaphthalene
Concen: 6.791 ng
RT: 13.06 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

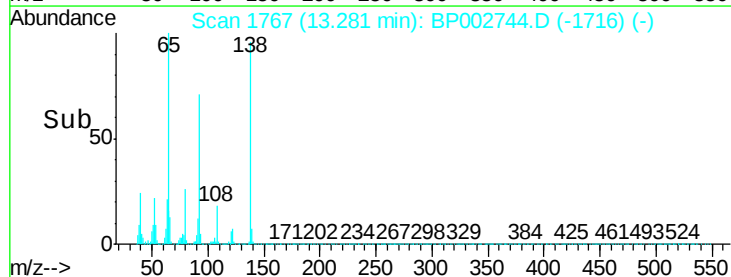
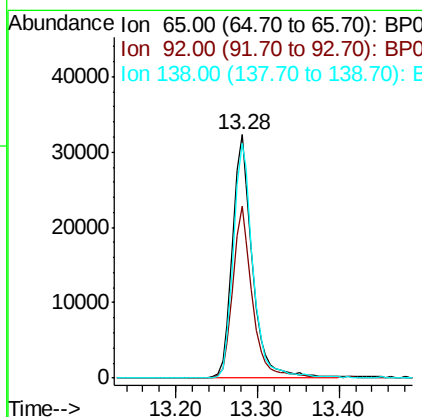
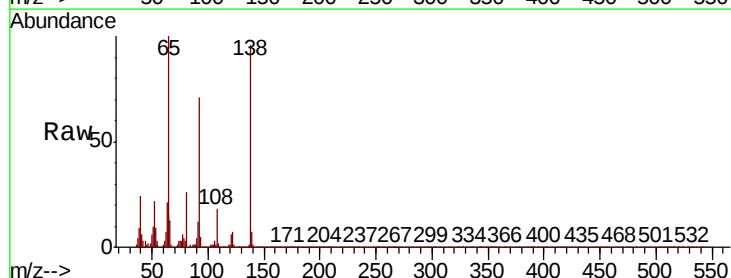
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

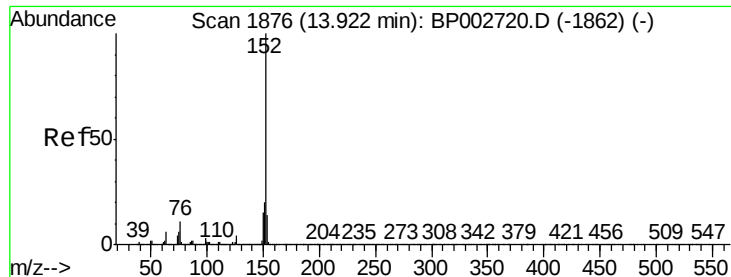
Tot Ion	Ratio	Lower	Upper
162	100		
127	37.9	29.0	43.4
164	32.9	26.8	40.2



#48
2-Nitroaniline
Concen: 5.810 ng
RT: 13.28 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
65	100		
92	70.9	57.0	85.6
138	96.4	86.0	129.0





#49

Acenaphthylene

Concen: 7.142 ng

RT: 13.92 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

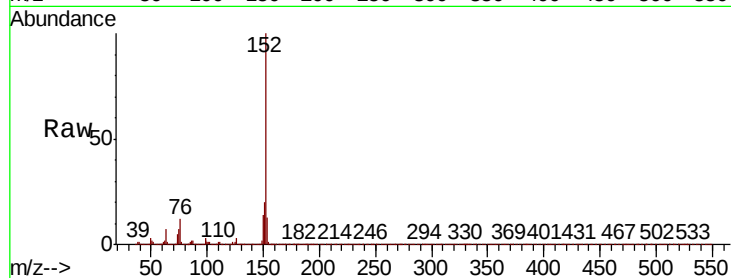
Tot Ion:152 Resp: 343811

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

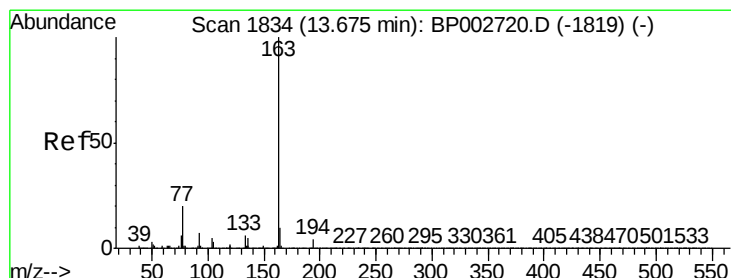
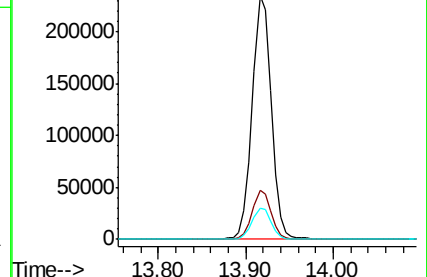
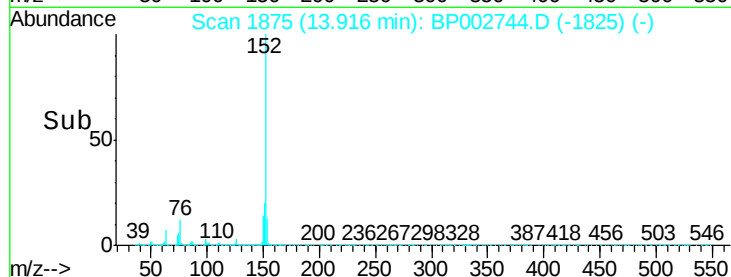
153 12.9 10.9 16.3



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: 6.848 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

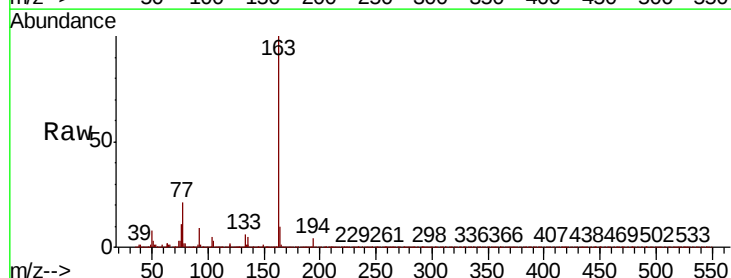
Tgt Ion:163 Resp: 263362

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

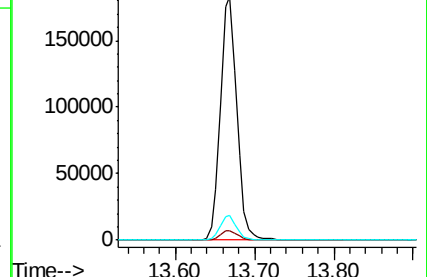
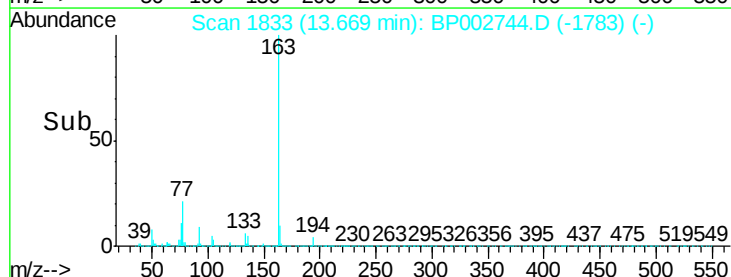
164 9.9 7.8 11.8

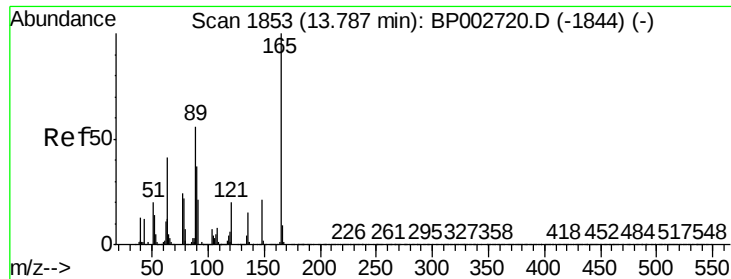


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

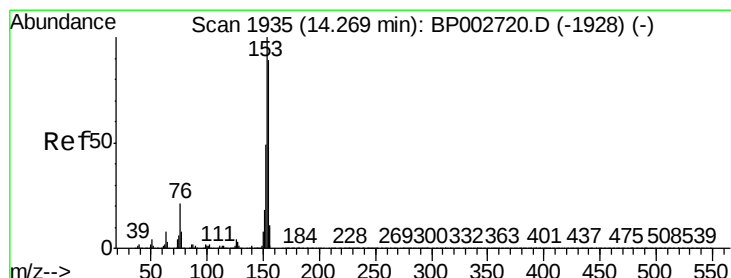
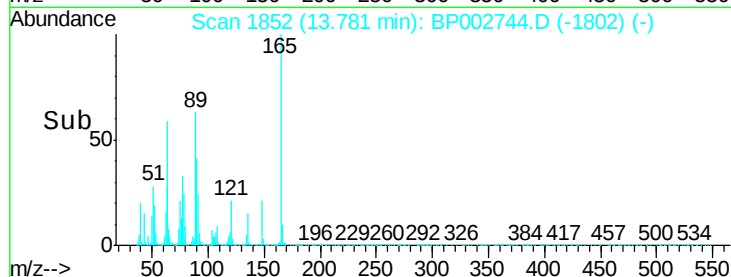
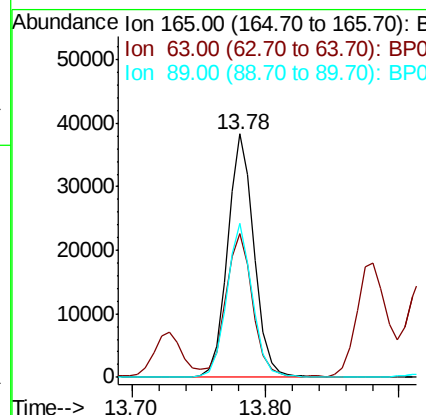
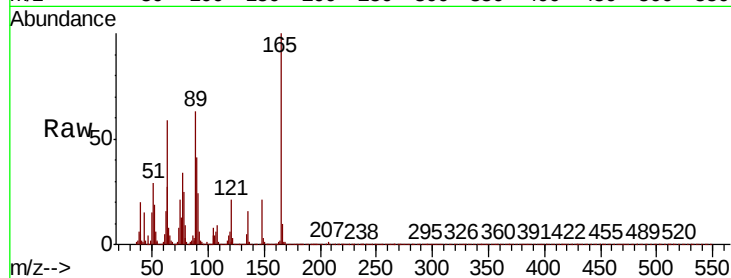




#51
2,6-Dinitrotoluene
Concen: 6.491 ng
RT: 13.78 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

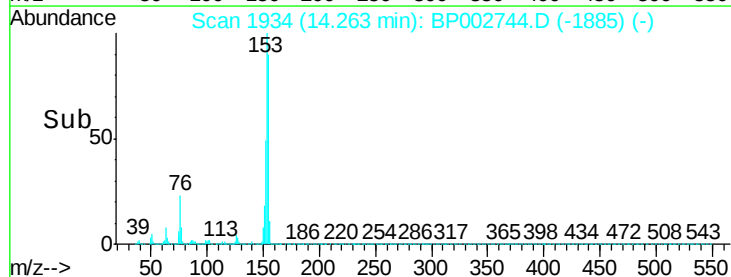
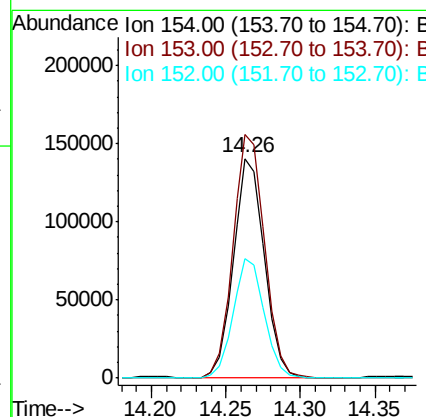
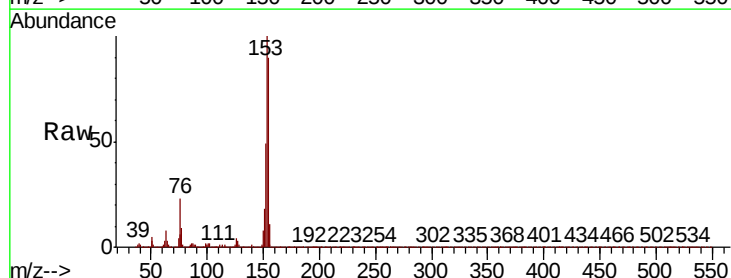
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

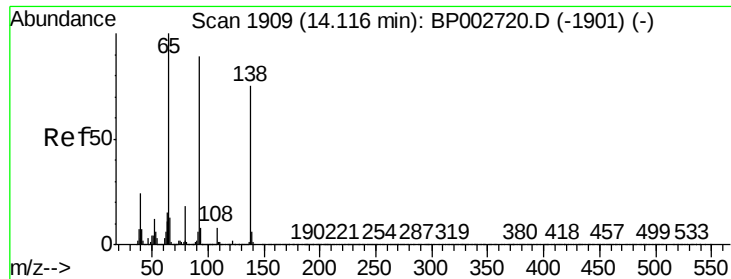
Tot Ion	Ratio	Lower	Upper
165	100		
63	59.1	43.2	64.8
89	63.3	44.6	67.0



#52
Acenaphthene
Concen: 7.052 ng
RT: 14.26 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.1	135.1
152	54.7	43.8	65.6

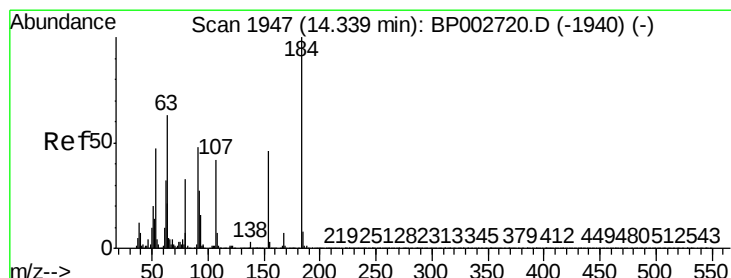
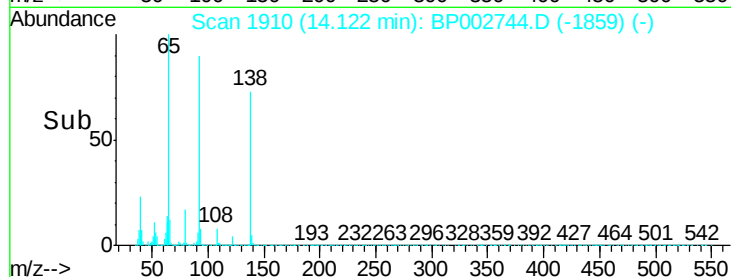
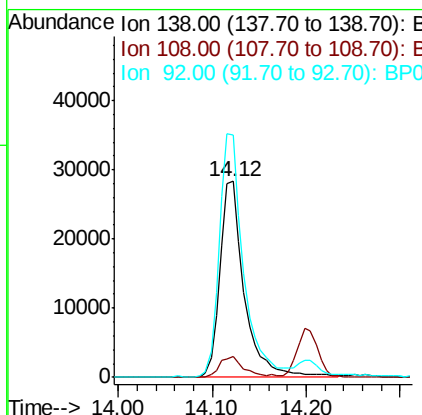
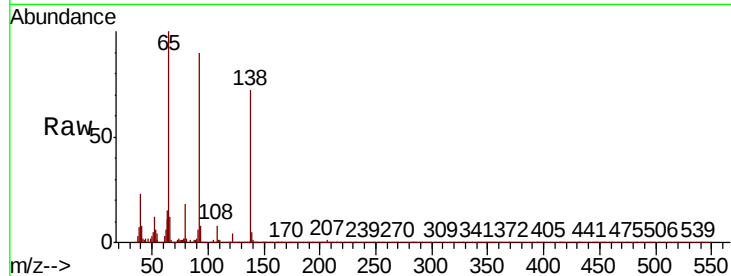




#53
3-Nitroaniline
Concen: 5.595 ng
RT: 14.12 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

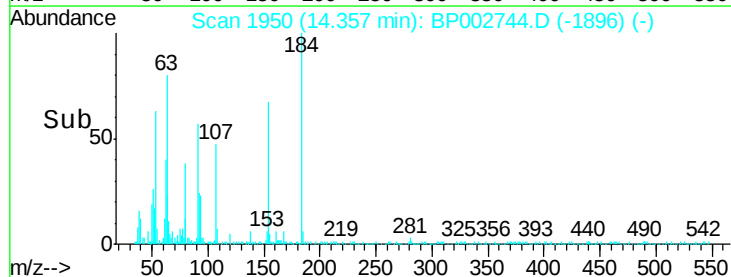
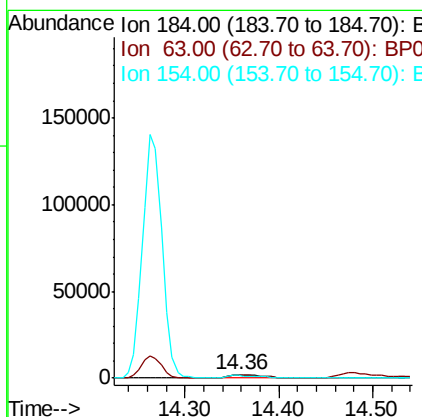
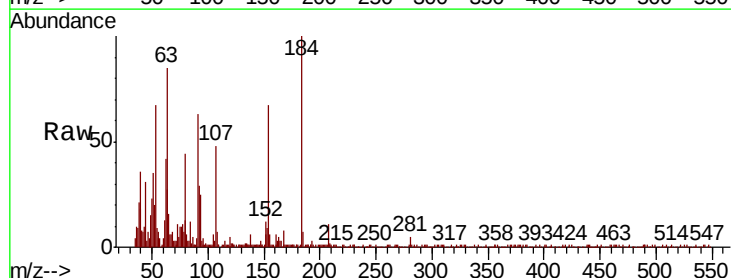
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

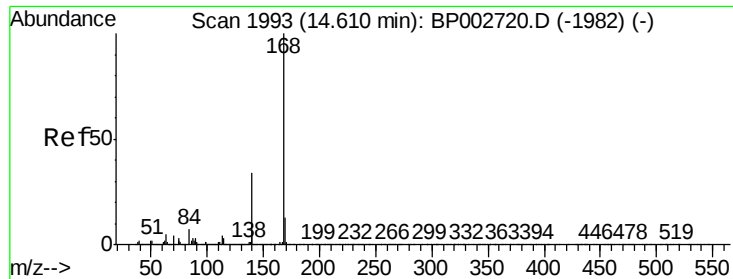
Tot Ion:138 Resp: 51547
Ion Ratio Lower Upper
138 100
108 10.6 8.2 12.2
92 123.9 94.3 141.5



#54
2,4-Dinitrophenol
Concen: 1.949 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.02 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:184 Resp: 6311
Ion Ratio Lower Upper
184 100
63 85.1 51.6 77.4#
154 67.1 45.0 67.6

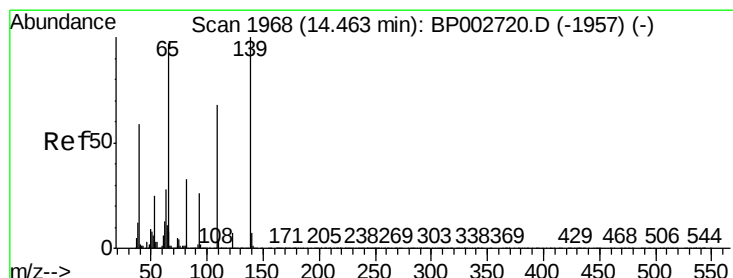
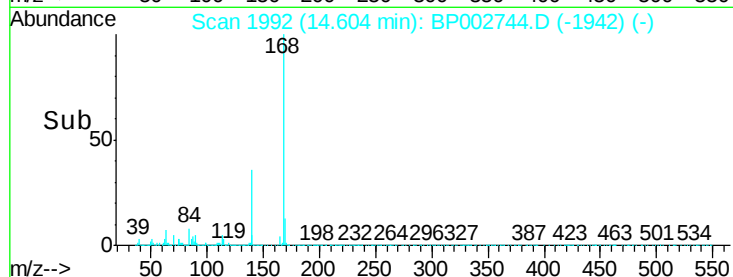
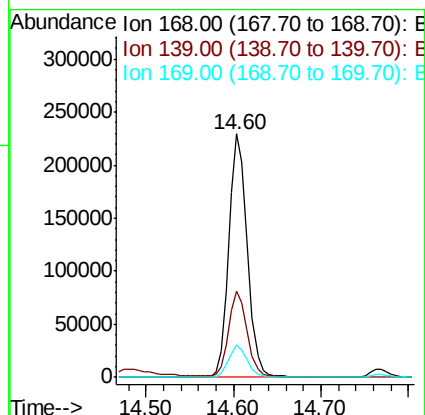
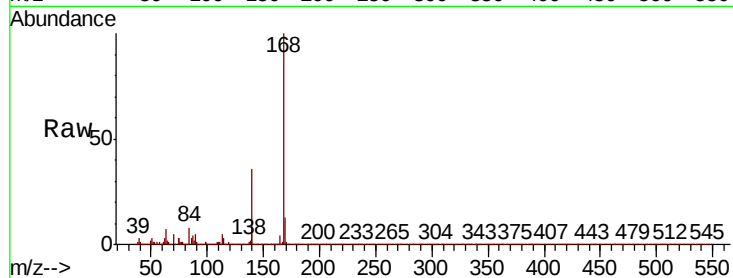




#55
Dibenzenofuran
Concen: 7.228 ng
RT: 14.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

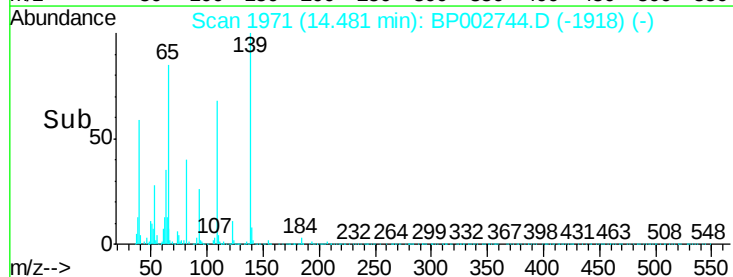
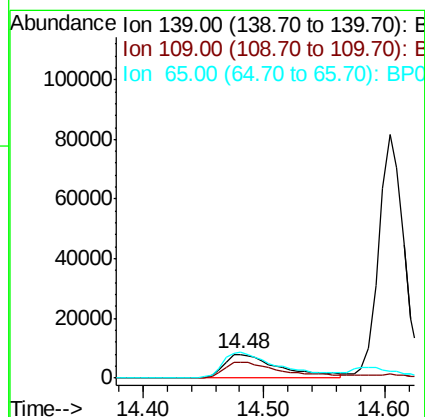
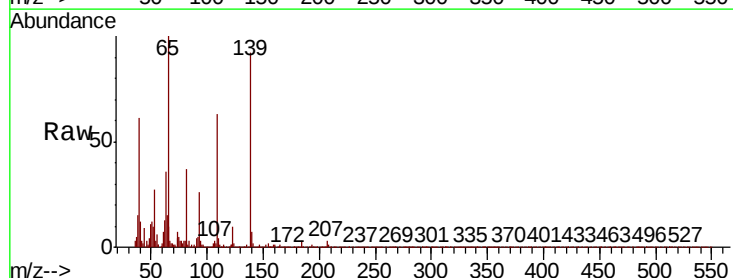
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

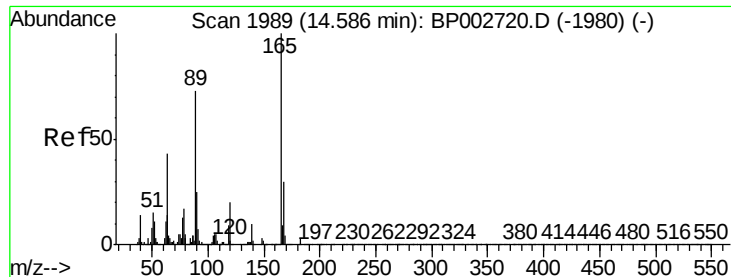
Tot Ion:168 Resp: 333533
Ion Ratio Lower Upper
168 100
139 35.5 27.1 40.7
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 3.975 ng
RT: 14.48 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:139 Resp: 25546
Ion Ratio Lower Upper
139 100
109 68.2 48.1 88.1
65 108.2 77.9 117.9

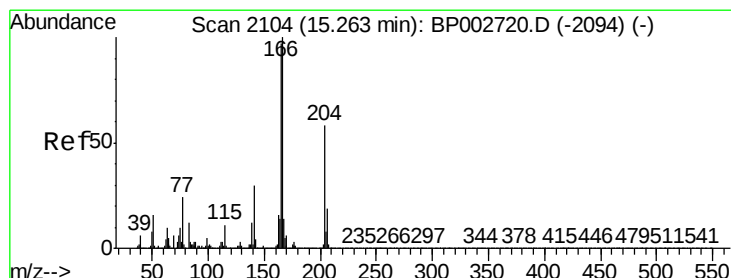
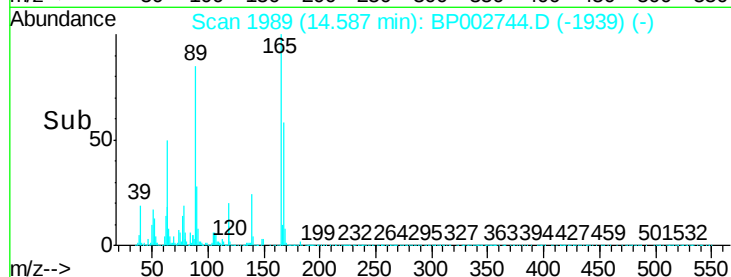
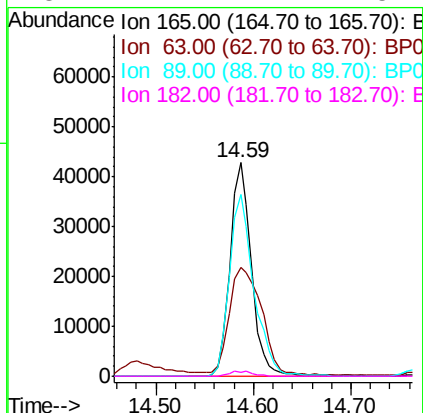
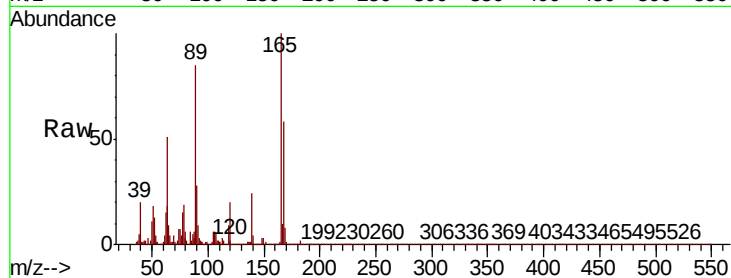




#57
2,4-Dinitrotoluene
Concen: 5.985 ng
RT: 14.59 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

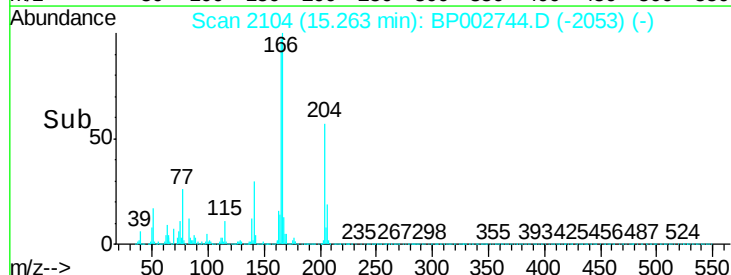
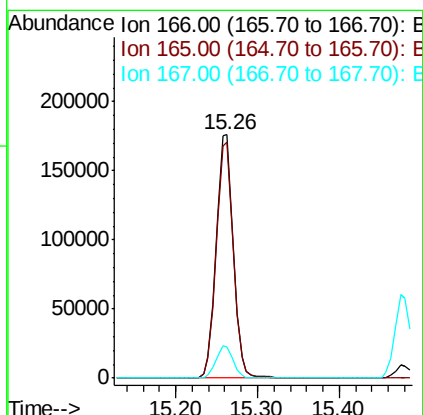
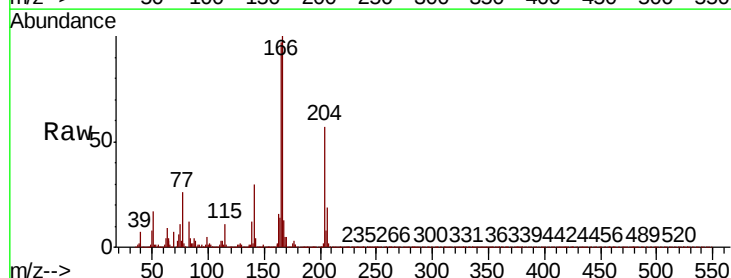
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

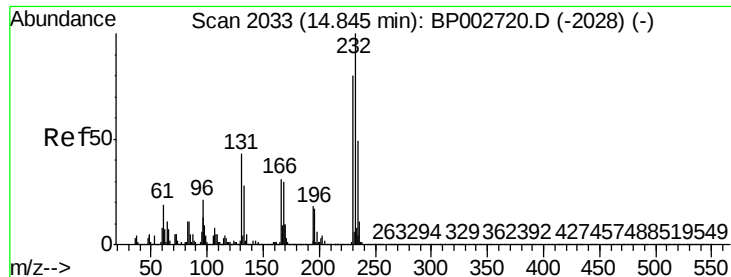
Tot Ion:165 Resp: 64897
Ion Ratio Lower Upper
165 100
63 50.7 35.1 52.7
89 84.8 58.4 87.6
182 2.1 2.2 3.2#



#58
Fluorene
Concen: 7.550 ng
RT: 15.26 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:166 Resp: 257789
Ion Ratio Lower Upper
166 100
165 96.7 77.7 116.5
167 12.9 11.0 16.6

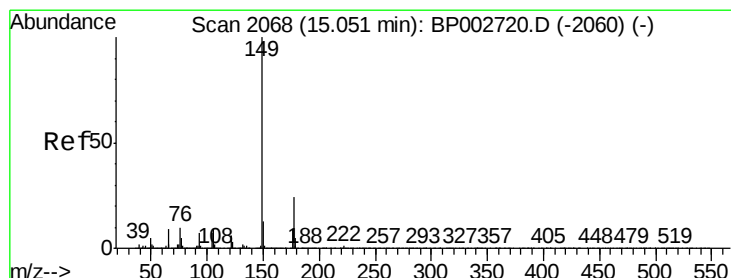
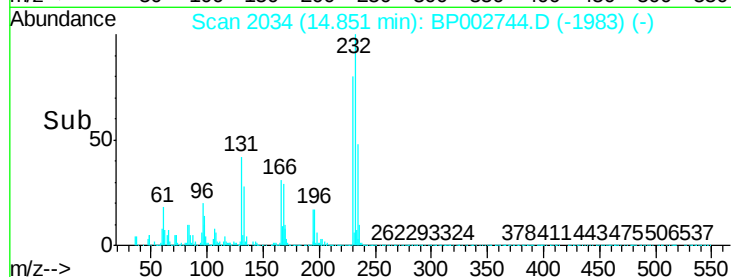
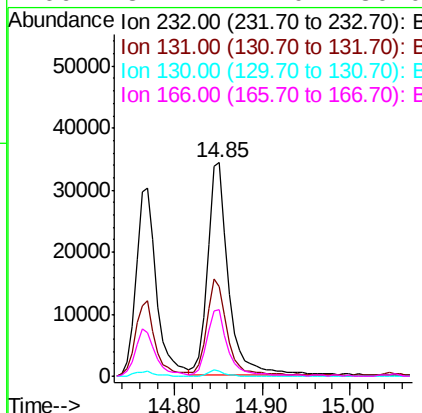
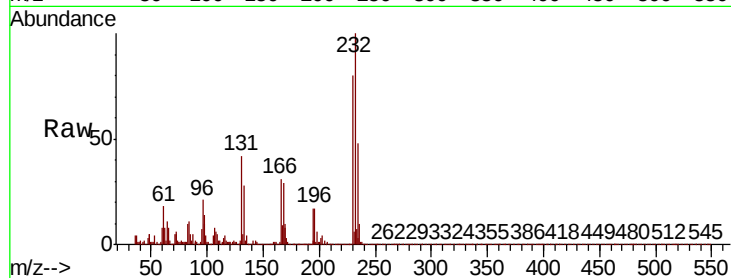




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 6.286 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

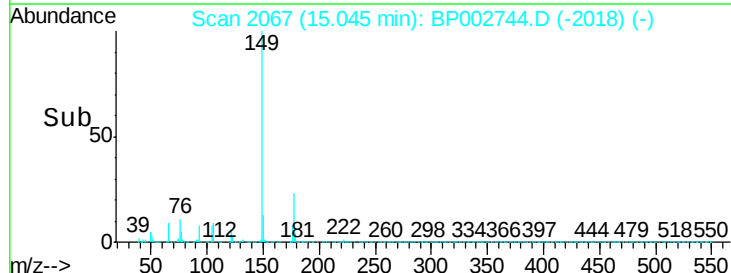
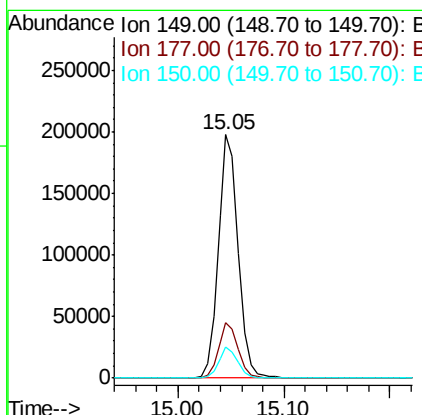
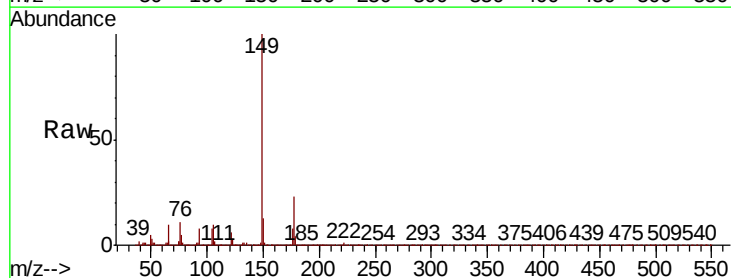
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

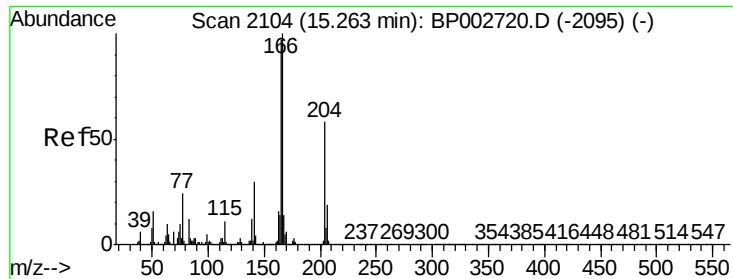
Tot Ion	Ratio	Lower	Upper
232	100		
131	44.0	34.3	51.5
130	2.2	1.8	2.6
166	31.2	24.0	36.0



#60
 Diethylphthalate
 Concen: 6.945 ng
 RT: 15.05 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BP002744.D
 Acq: 14 Jul 2020 11:51

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.9	28.3
150	12.5	10.1	15.1

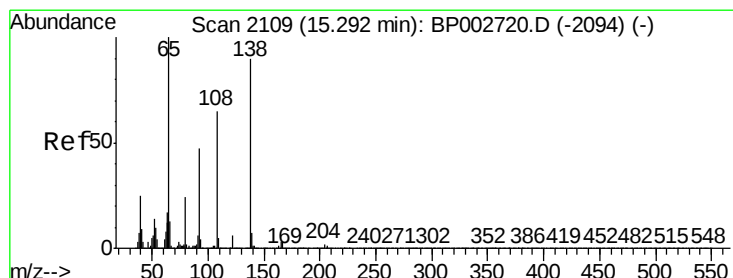
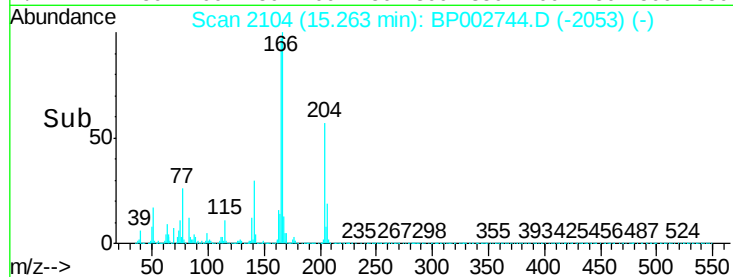
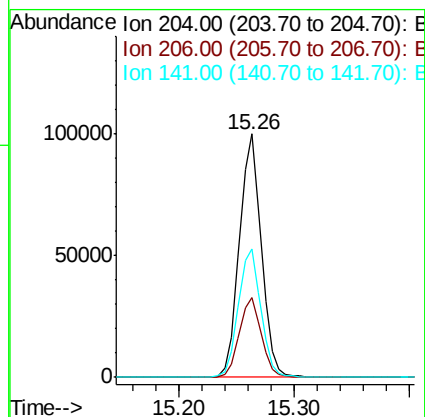
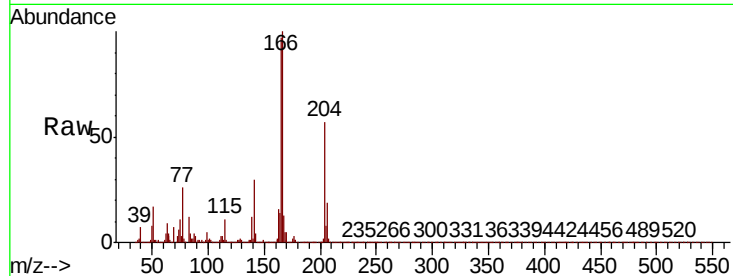




#61
4-Chlorophenyl-phenylether
Concen: 7.267 ng
RT: 15.26 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

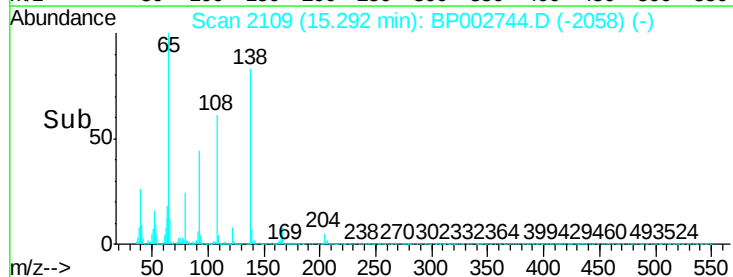
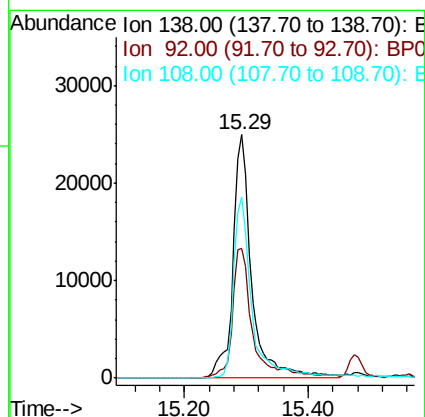
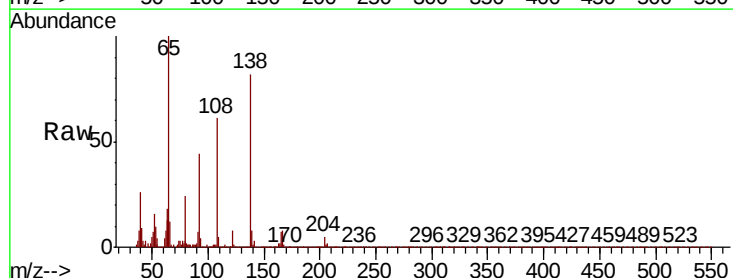
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

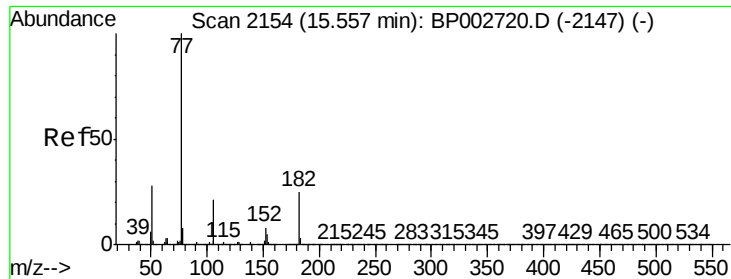
Tot Ion:204 Resp: 131827
Ion Ratio Lower Upper
204 100
206 32.6 26.1 39.1
141 52.7 41.8 62.8



#62
4-Nitroaniline
Concen: 5.745 ng
RT: 15.29 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:138 Resp: 52374
Ion Ratio Lower Upper
138 100
92 53.5 32.0 72.0
108 74.1 52.2 92.2

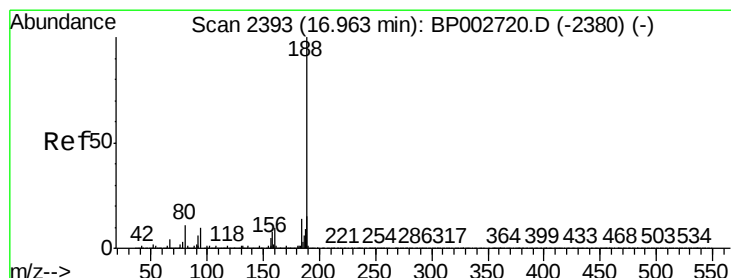
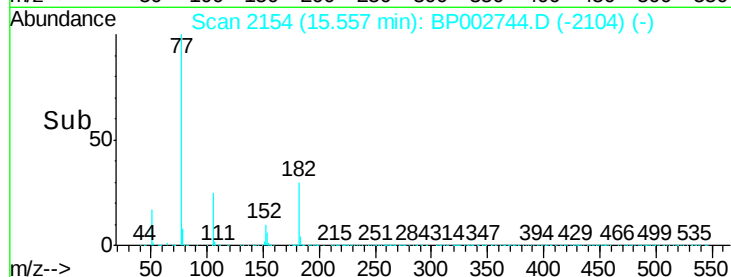
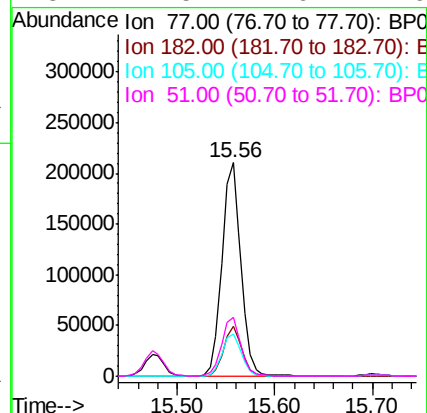
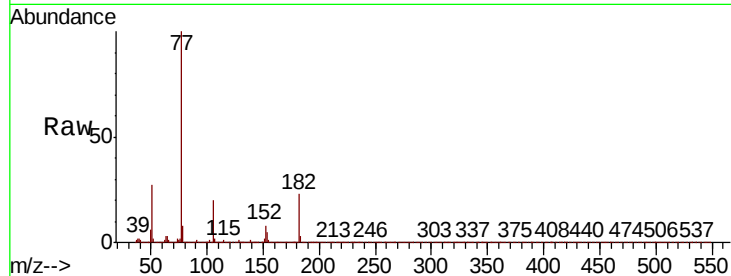




#63
Azobenzene
Concen: 7.362 ng
RT: 15.56 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

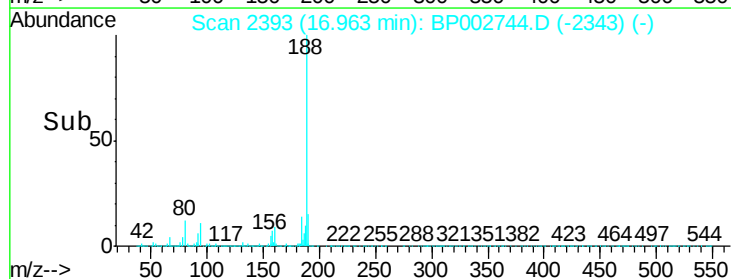
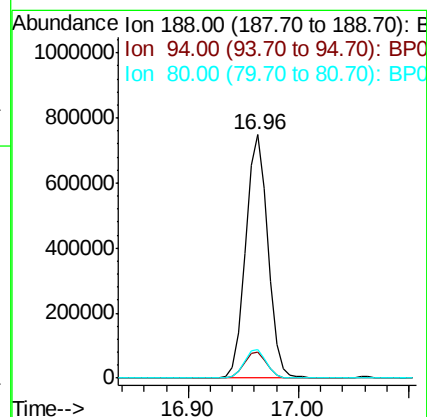
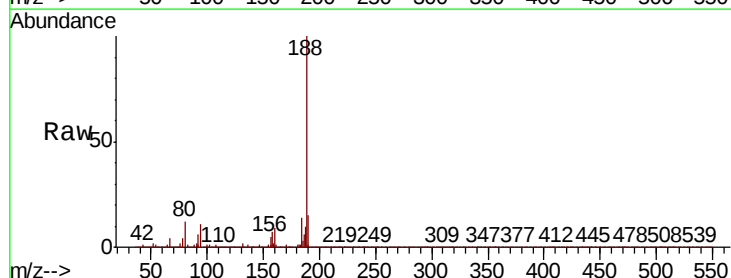
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

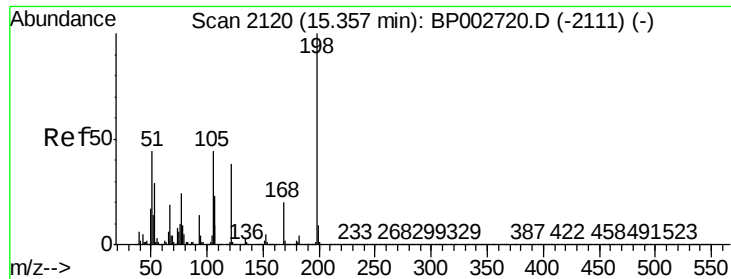
Tot Ion:	77	Resp:	282262
Ion	Ratio	Lower	Upper
77	100		
182	23.3	5.1	45.1
105	20.0	0.8	40.8
51	27.5	7.6	47.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:	188	Resp:	1061771
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.1	12.1
80	11.6	8.9	13.3

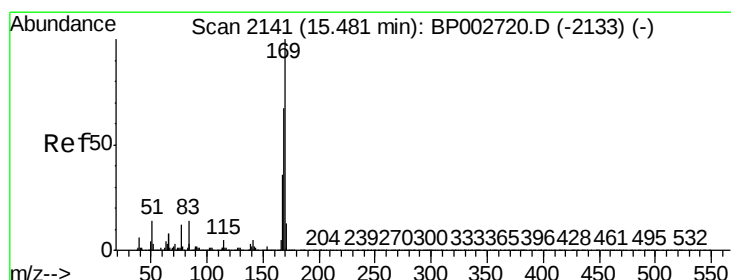
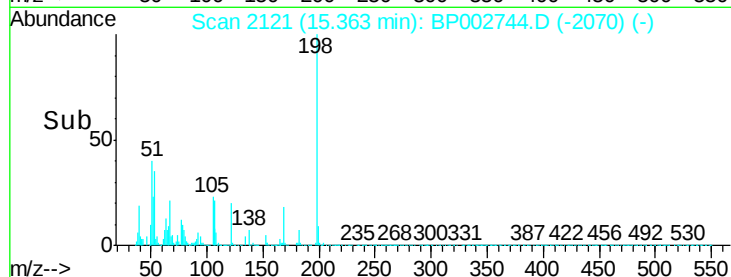
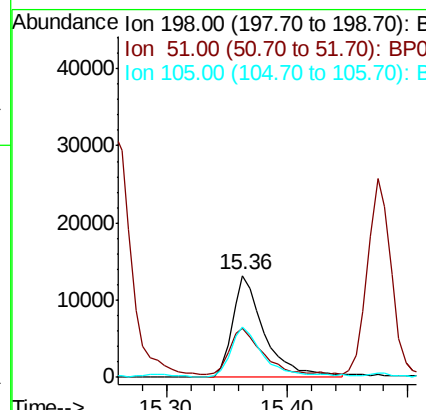
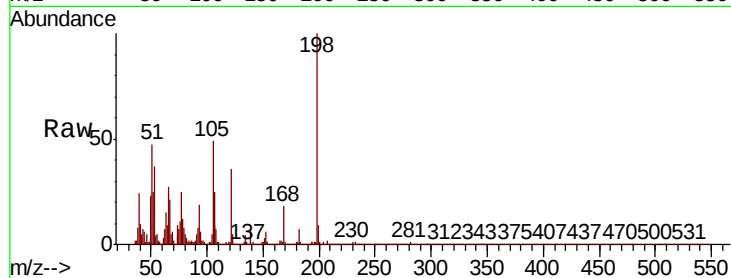




#65
4,6-Dinitro-2-methylphenol
Concen: 4.185 ng
RT: 15.36 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

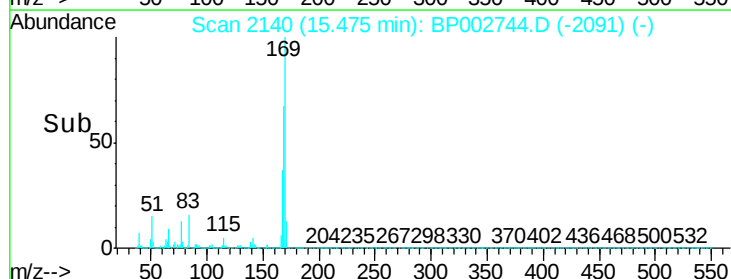
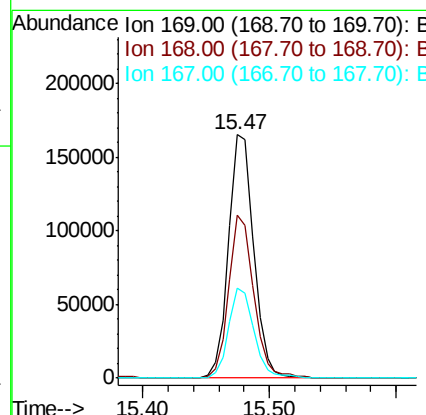
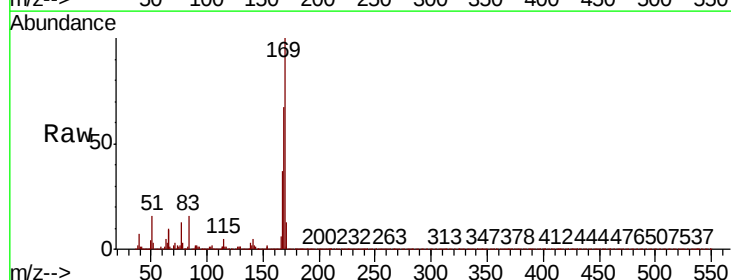
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

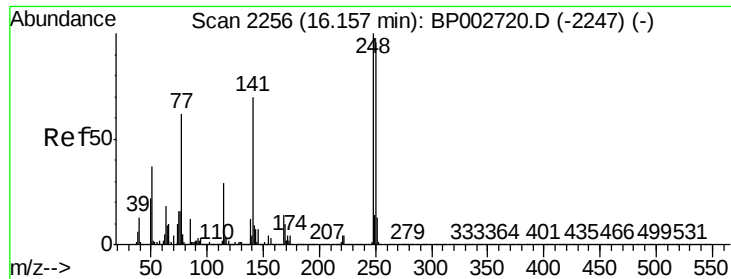
Tot Ion:198 Resp: 24066
Ion Ratio Lower Upper
198 100
51 47.5 27.1 67.1
105 49.4 24.9 64.9



#66
n-Nitrosodiphenylamine
Concen: 7.246 ng
RT: 15.47 min Scan# 2140
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:169 Resp: 227276
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.0
167 36.8 29.2 43.8

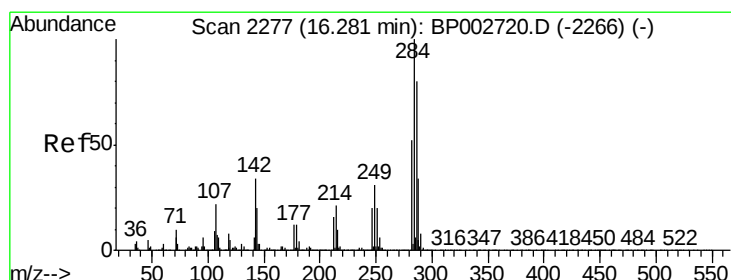
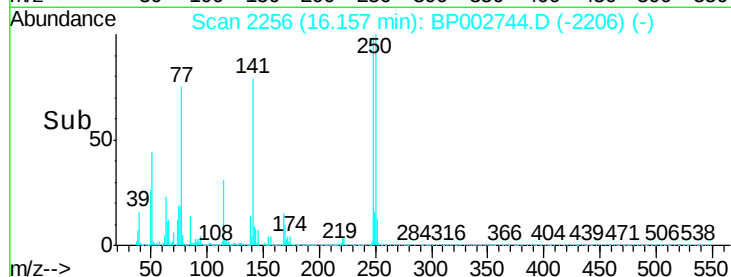
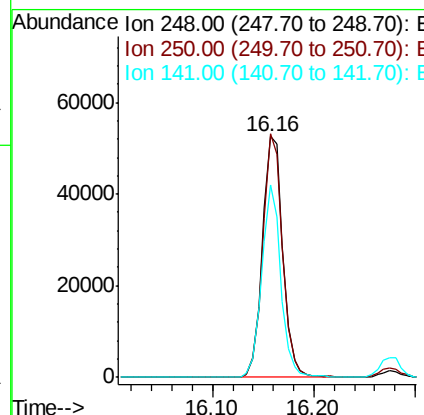
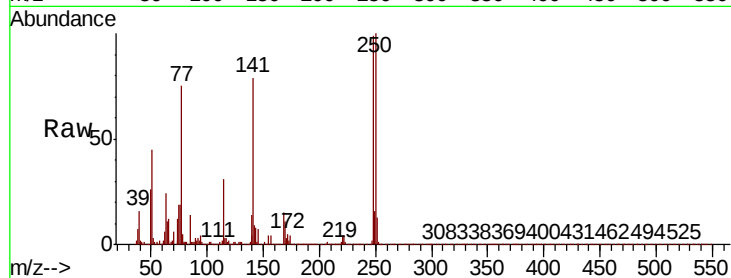




#67
4-Bromophenyl-phenylether
Concen: 6.337 ng
RT: 16.16 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

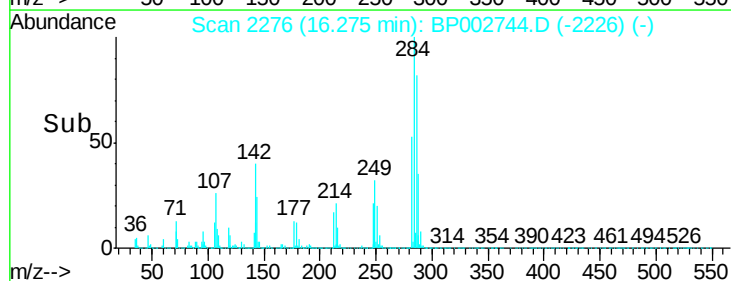
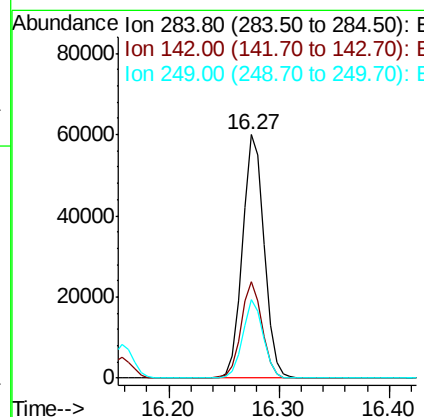
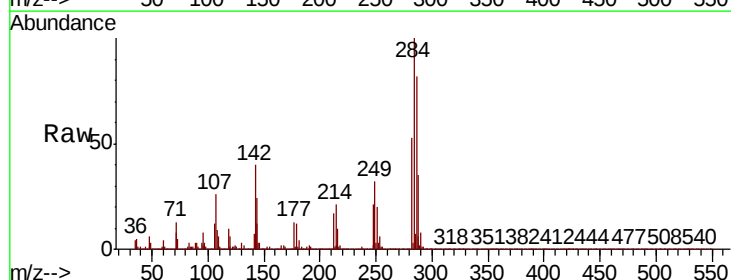
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

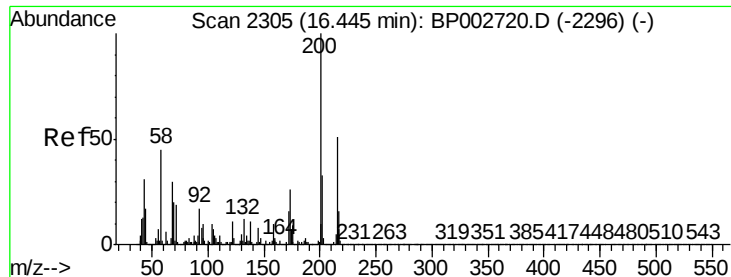
Tot Ion:248 Resp: 73290
Ion Ratio Lower Upper
248 100
250 101.2 76.7 115.1
141 80.2 55.9 83.9



#68
Hexachlorobenzene
Concen: 6.804 ng
RT: 16.27 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:284 Resp: 82911
Ion Ratio Lower Upper
284 100
142 39.6 26.9 40.3
249 32.4 24.6 37.0

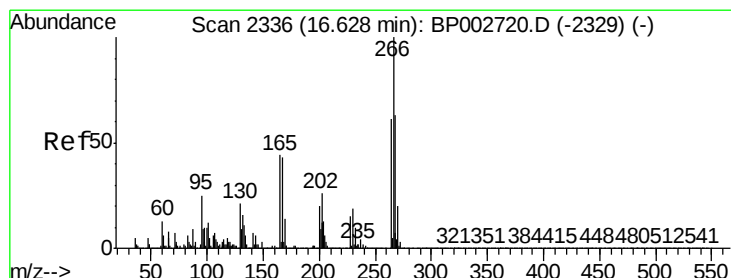
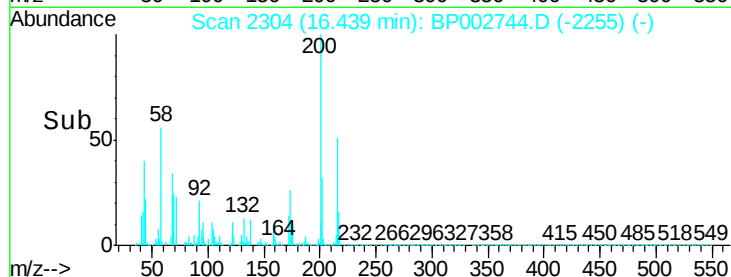
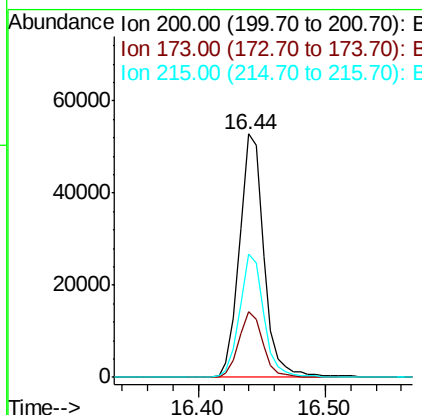
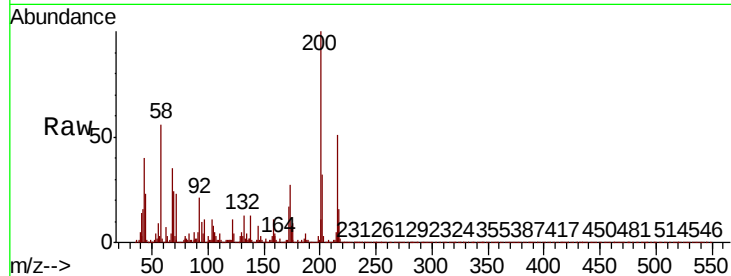




#69
Atrazine
Concen: 8.204 ng
RT: 16.44 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

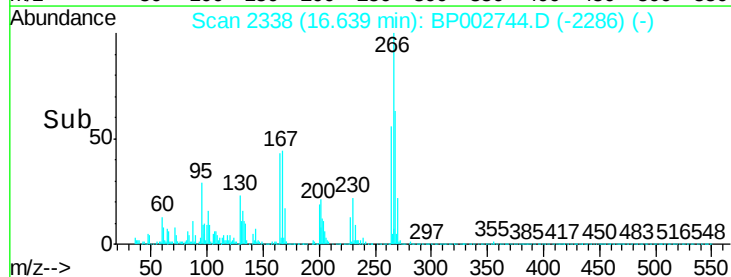
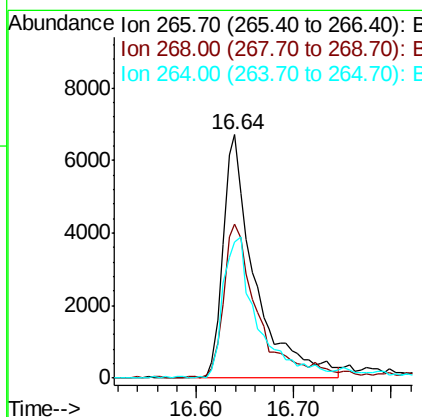
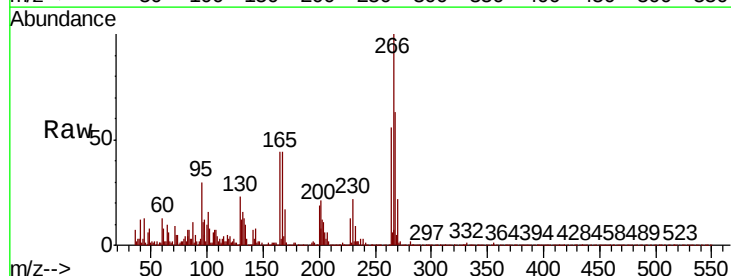
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

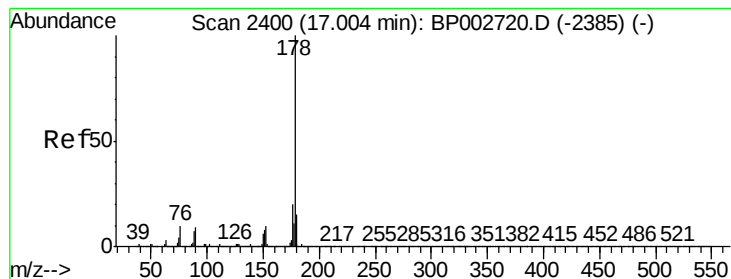
Tot Ion:200 Resp: 70248
Ion Ratio Lower Upper
200 100
173 27.1 6.3 46.3
215 50.6 30.6 70.6



#70
Pentachlorophenol
Concen: 3.165 ng
RT: 16.64 min Scan# 2338
Delta R.T. 0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:266 Resp: 15108
Ion Ratio Lower Upper
266 100
268 63.3 50.6 75.8
264 56.1 48.6 72.8





#71

Phenanthrene

Concen: 7.182 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

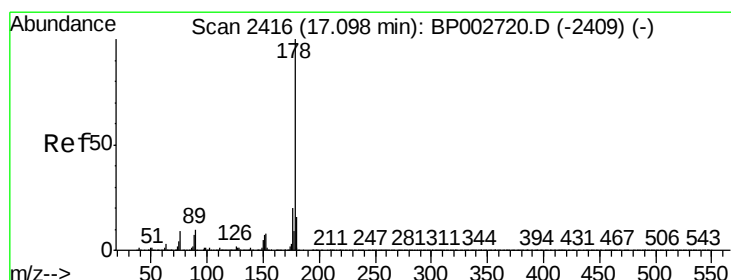
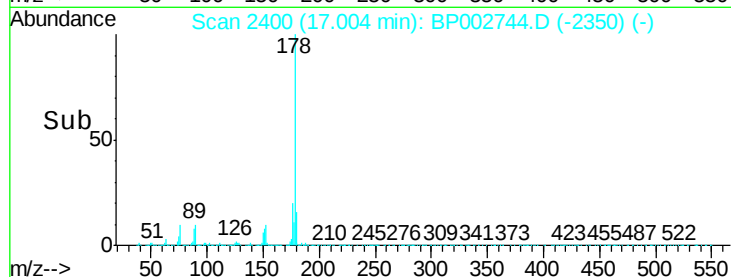
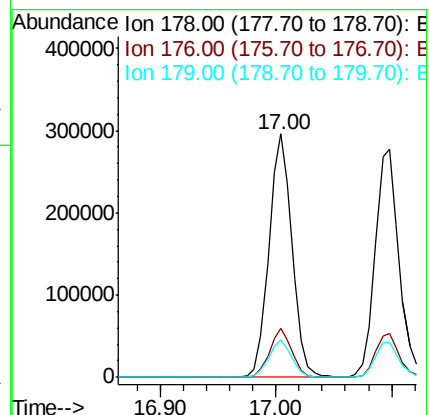
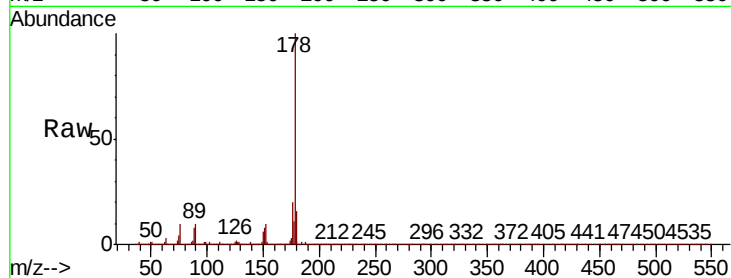
Tot Ion:178 Resp: 412900

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

179 15.5 12.3 18.5



#72

Anthracene

Concen: 7.204 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

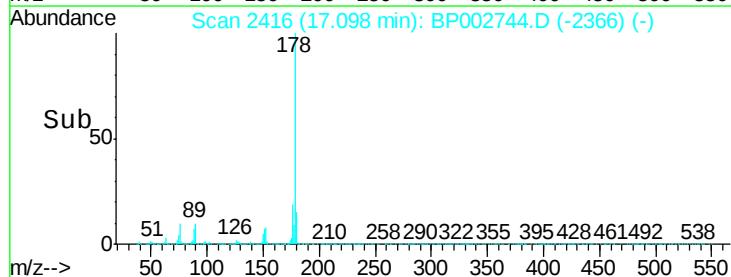
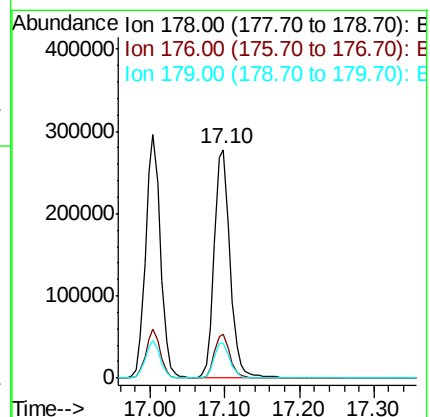
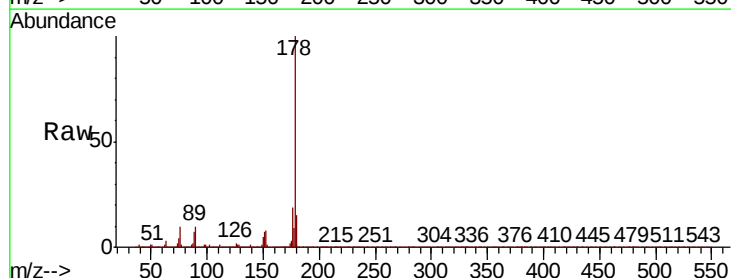
Tgt Ion:178 Resp: 406422

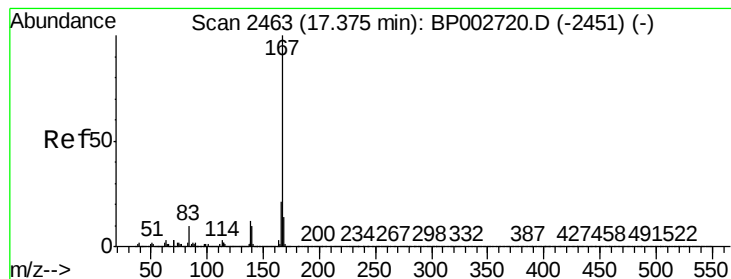
Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 15.4 12.6 19.0





#73

Carbazole

Concen: 6.716 ng

RT: 17.37 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

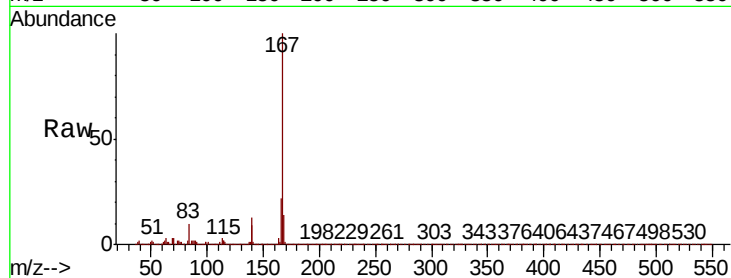
Tot Ion:167 Resp: 371787

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

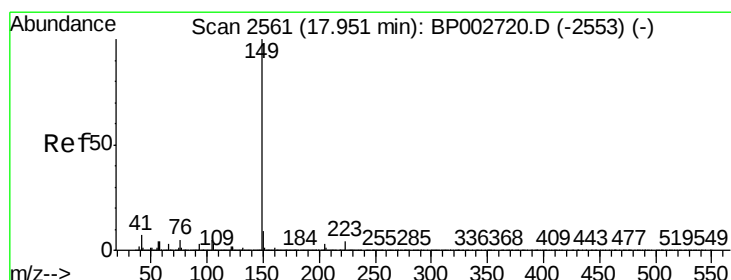
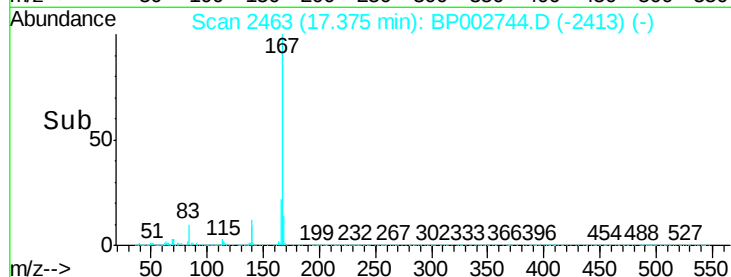
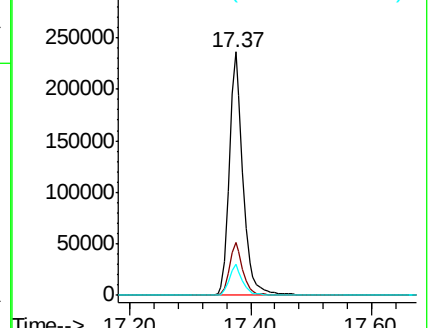
139 12.6 9.6 14.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 6.789 ng

RT: 17.95 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

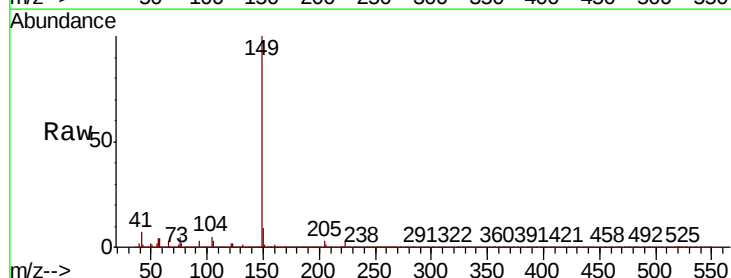
Tgt Ion:149 Resp: 407577

Ion Ratio Lower Upper

149 100

150 8.6 7.5 11.3

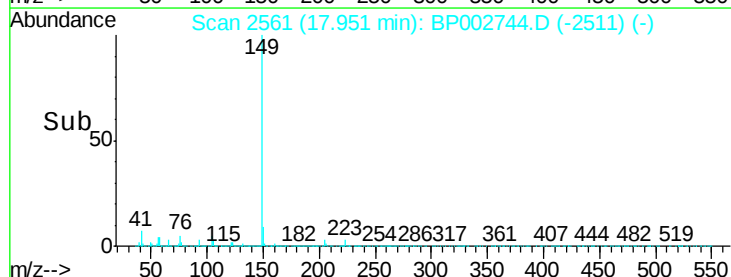
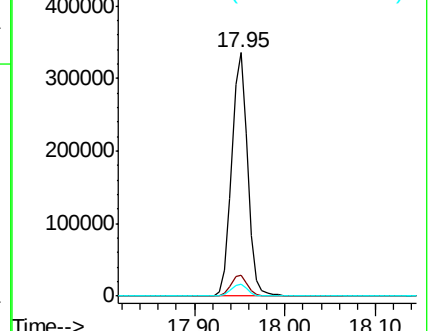
104 5.0 4.0 6.0

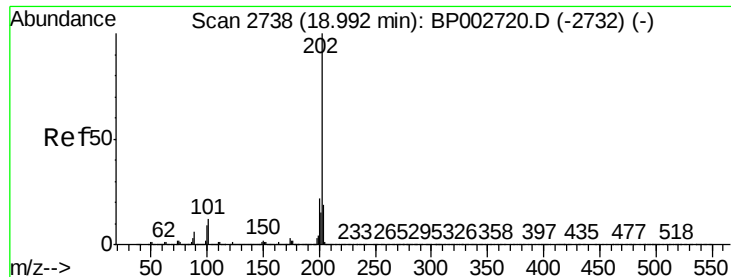


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 6.977 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

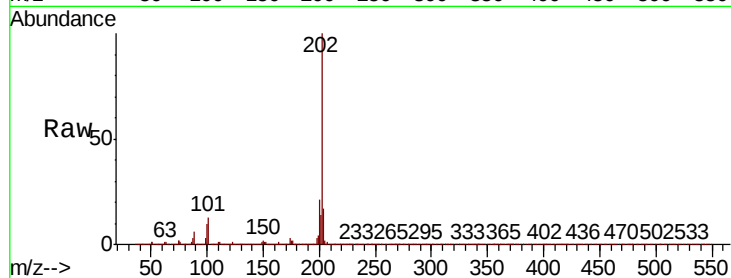
Tot Ion:202 Resp: 464770

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.5

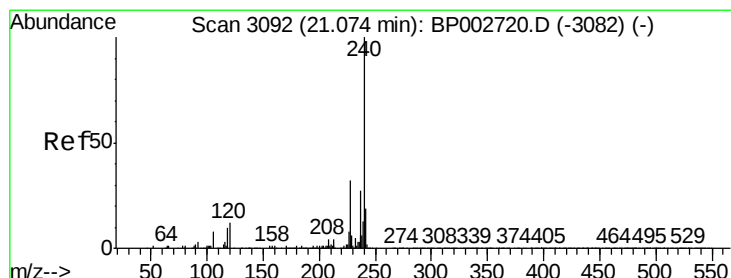
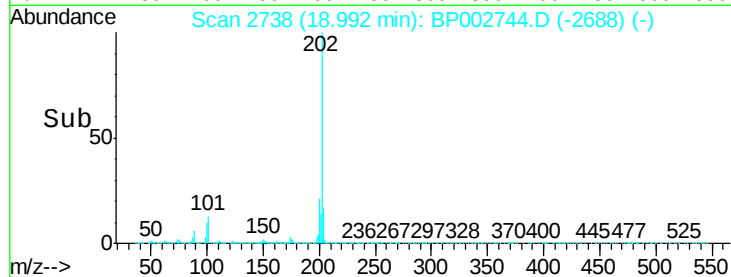
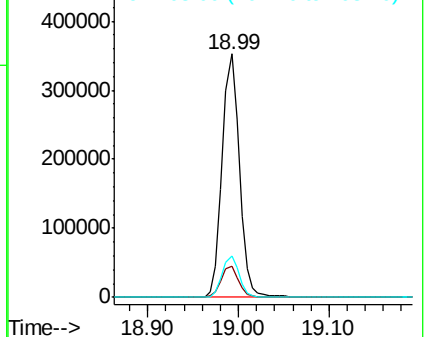
203 17.1 0.0 38.6



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: 21.07 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

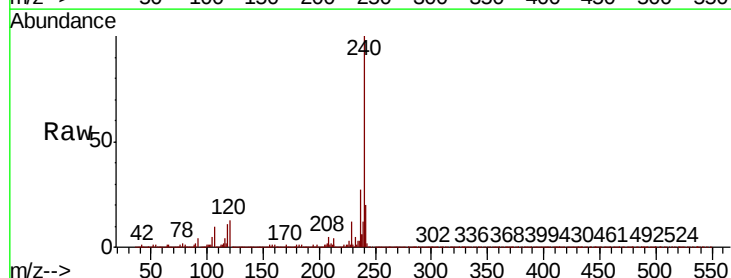
Tgt Ion:240 Resp: 959134

Ion Ratio Lower Upper

240 100

120 13.0 9.4 14.2

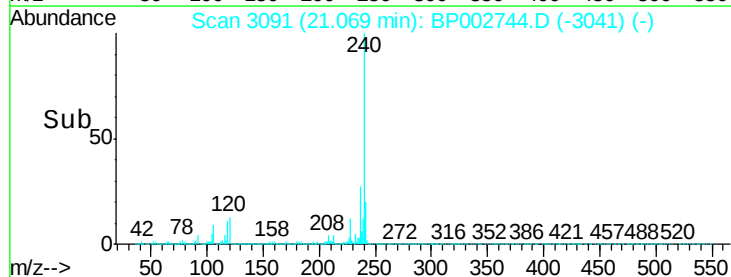
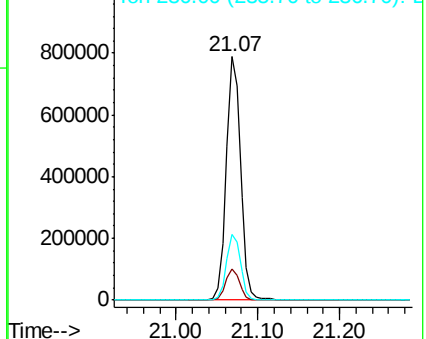
236 26.8 21.3 31.9

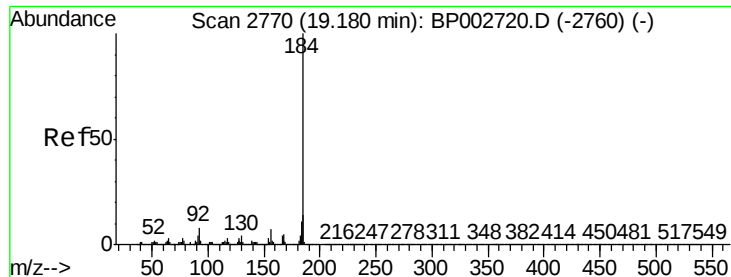


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 6.446 ng

RT: 19.18 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

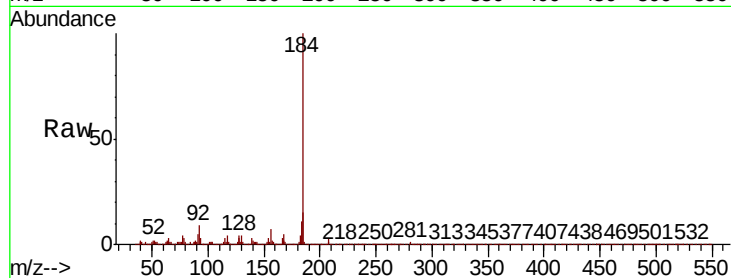
Tot Ion:184 Resp: 153241

Ion Ratio Lower Upper

184 100

185 14.6 11.4 17.2

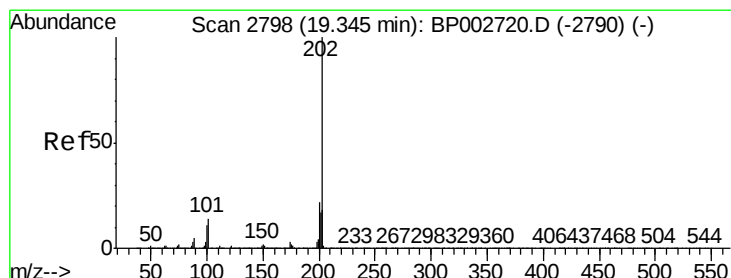
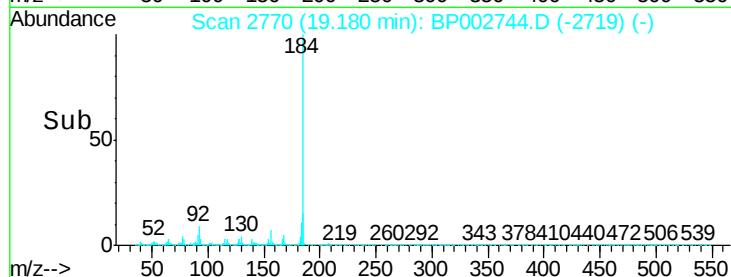
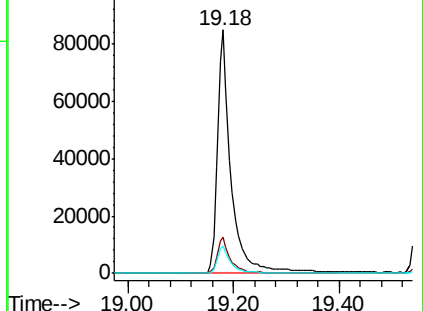
183 11.2 9.0 13.4



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: 7.336 ng

RT: 19.35 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

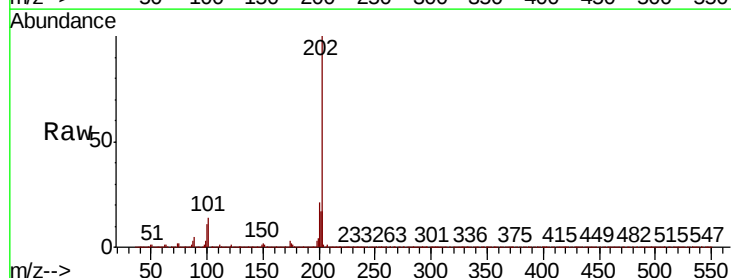
Tgt Ion:202 Resp: 485799

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

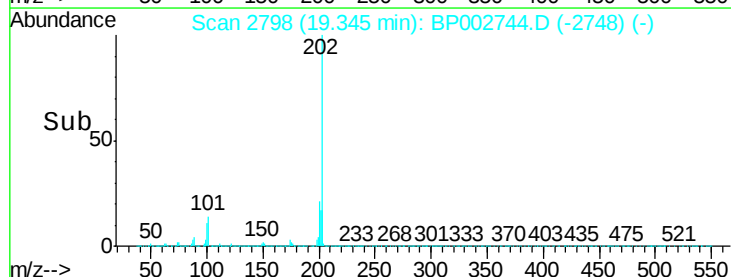
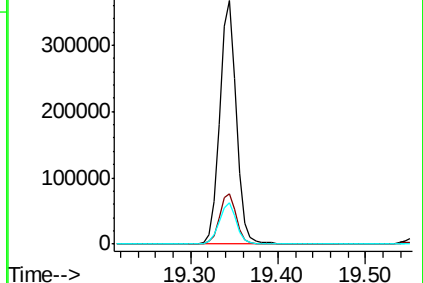
203 16.9 14.5 21.7

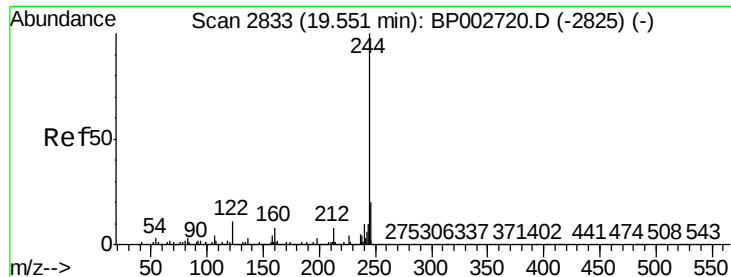


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.780 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

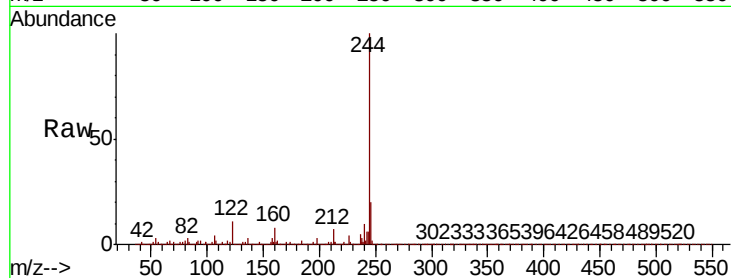
Tot Ion:244 Resp: 2626316

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

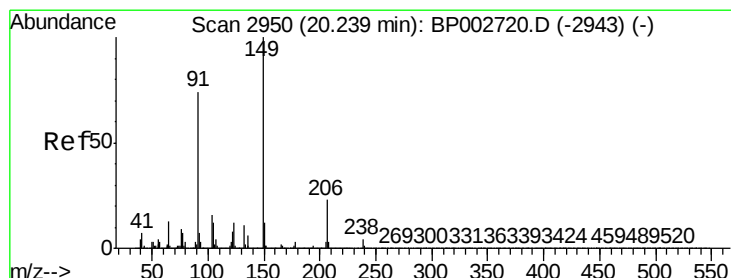
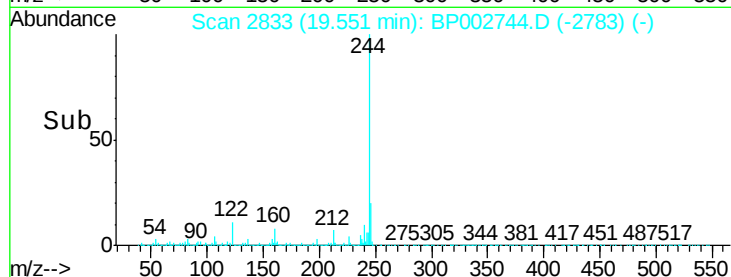
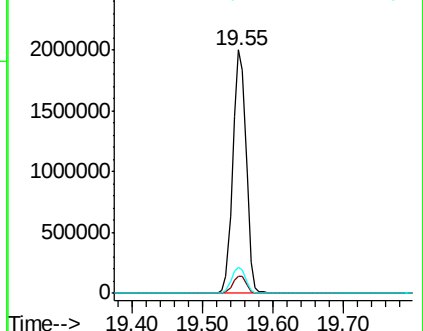
122 10.8 8.9 13.3



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: 6.154 ng

RT: 20.23 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

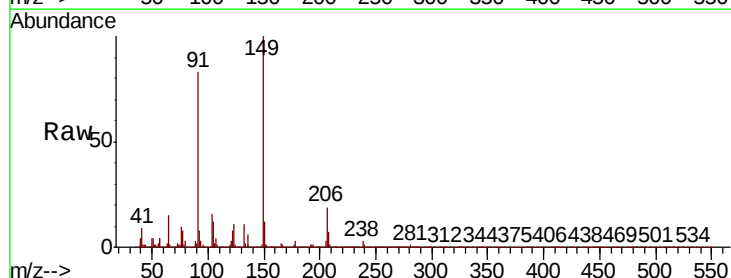
Tgt Ion:149 Resp: 160823

Ion Ratio Lower Upper

149 100

91 83.5 59.4 89.2

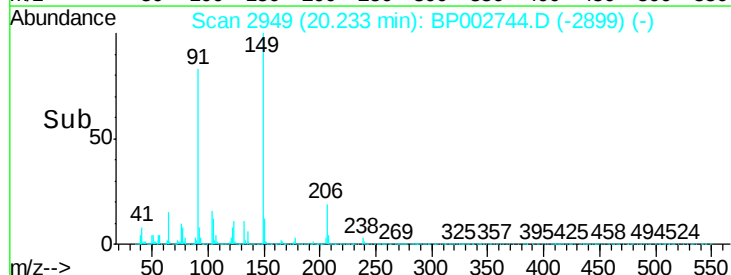
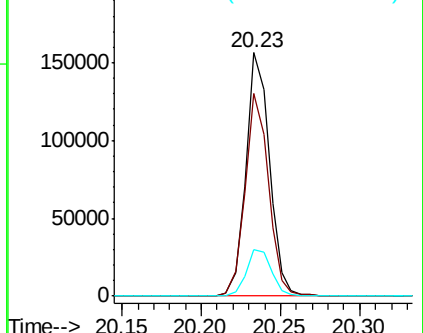
206 19.0 18.3 27.5

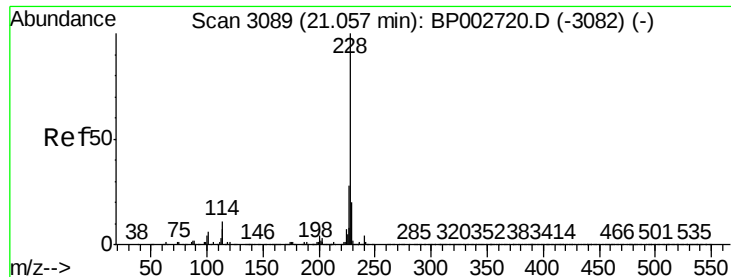


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

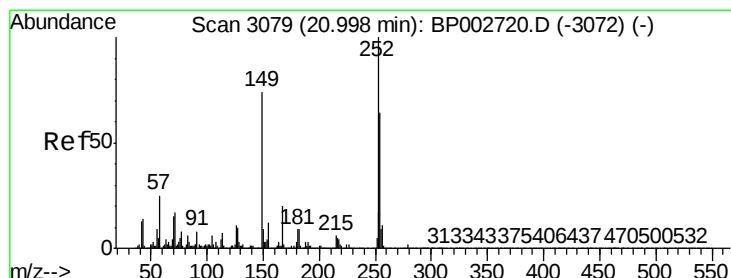
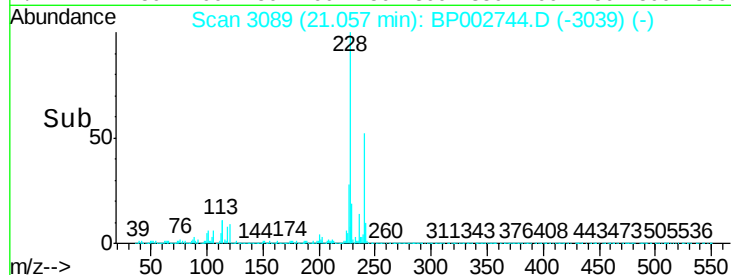
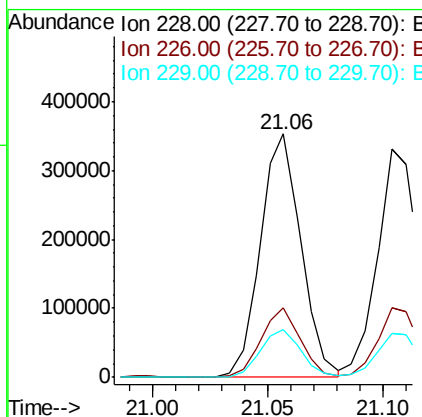
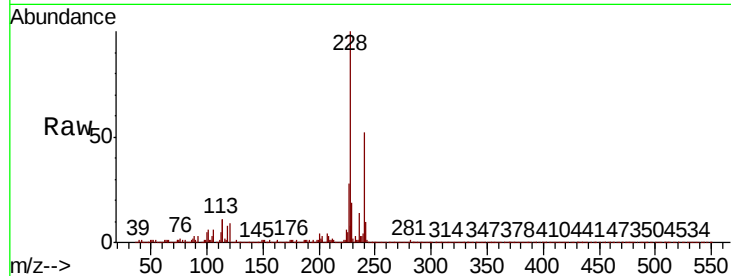




#81
Benzo(a)anthracene
Concen: 6.947 ng
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

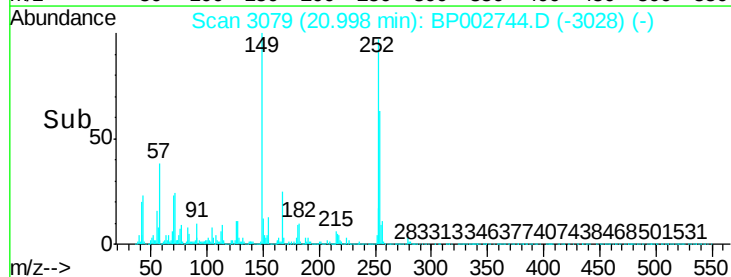
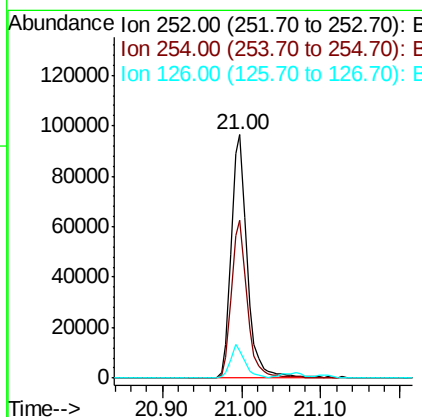
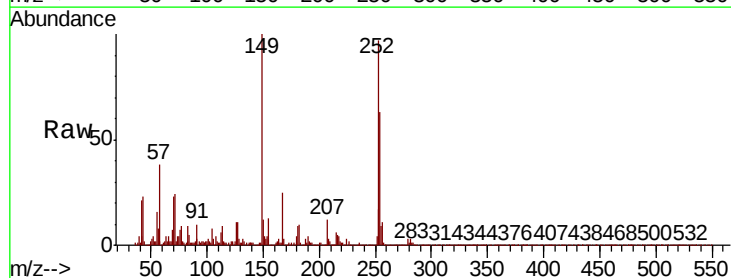
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

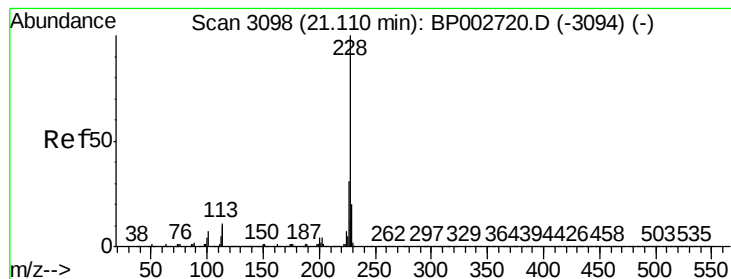
Tot Ion:228 Resp: 431319
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 19.5 16.0 24.0



#82
3,3'-Dichlorobenzidine
Concen: 6.602 ng
RT: 21.00 min Scan# 3079
Delta R.T. 0.00 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:252 Resp: 135750
Ion Ratio Lower Upper
252 100
254 65.0 51.0 76.4
126 11.1 8.4 12.6





#83

Chrysene

Concen: 7.037 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

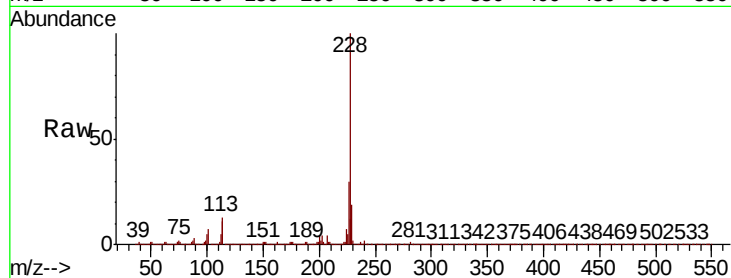
Tot Ion:228 Resp: 415875

Ion Ratio Lower Upper

228 100

226 30.2 24.6 37.0

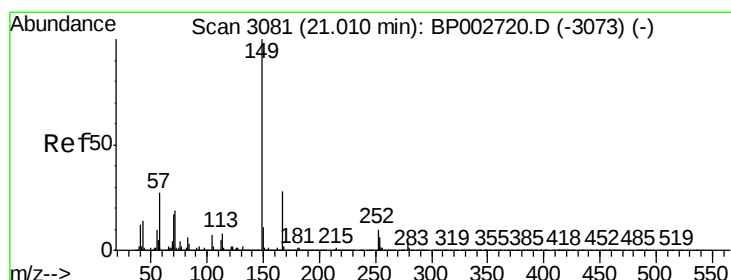
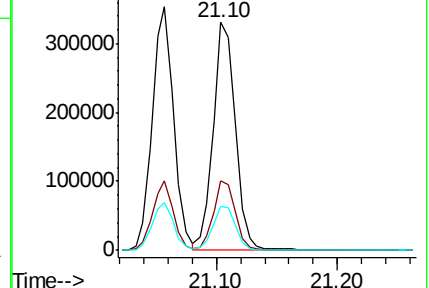
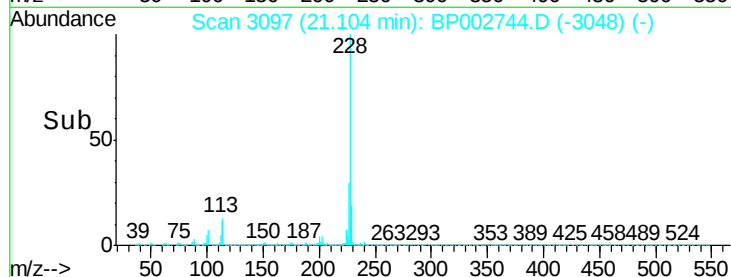
229 19.2 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.768 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

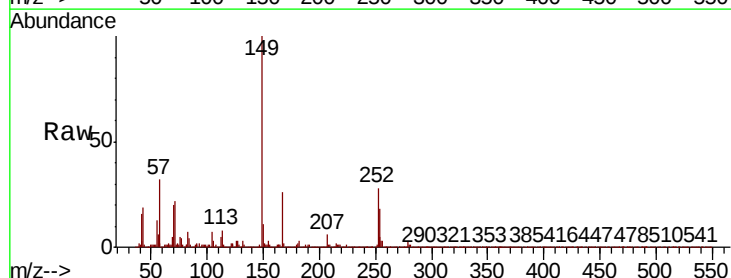
Tgt Ion:149 Resp: 245978

Ion Ratio Lower Upper

149 100

167 26.4 22.4 33.6

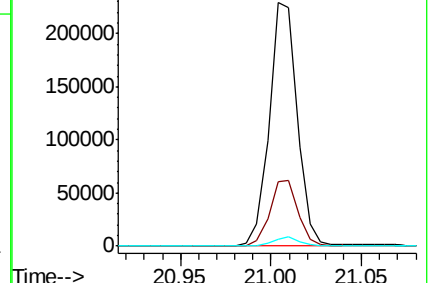
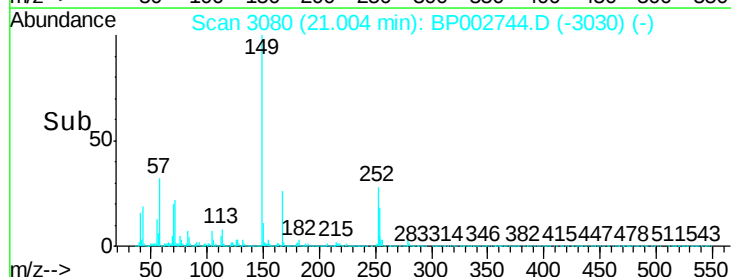
279 3.1 3.5 5.3#

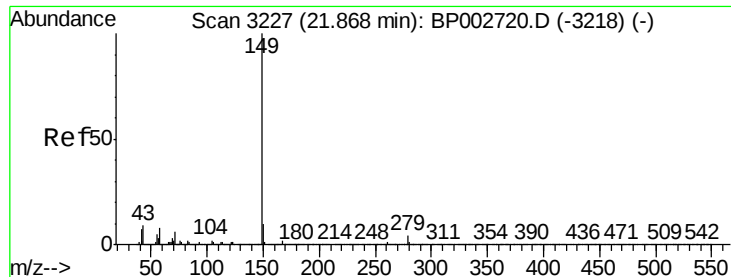


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 5.612 ng

RT: 21.86 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

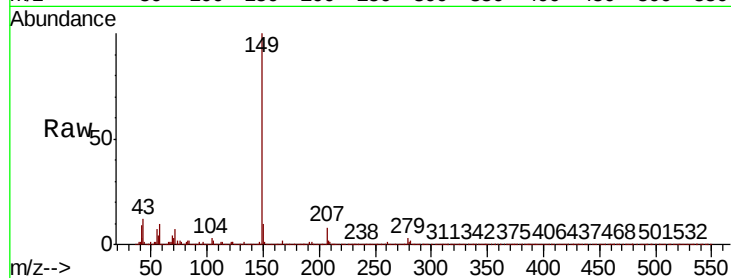
Tot Ion:149 Resp: 366721

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

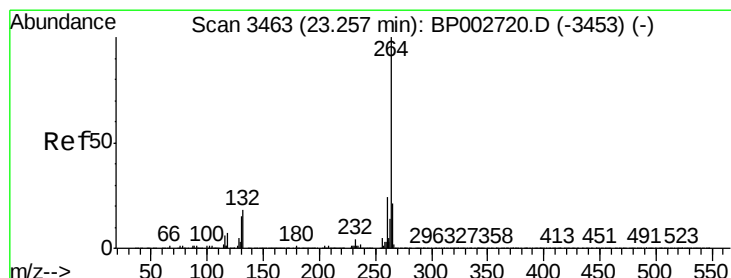
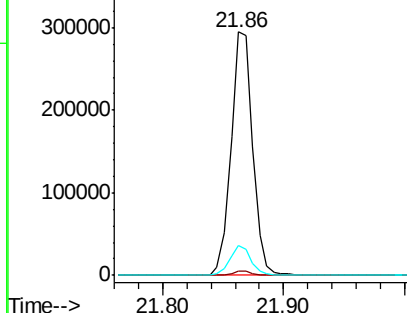
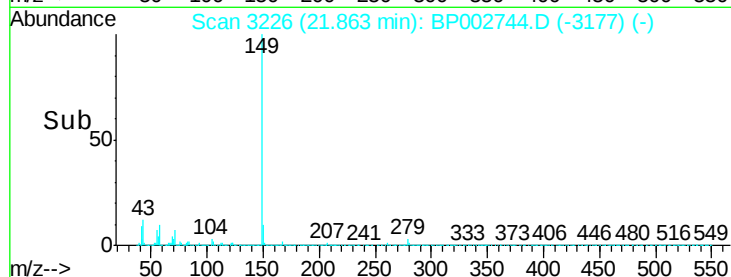
43 11.7 8.2 12.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BP0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

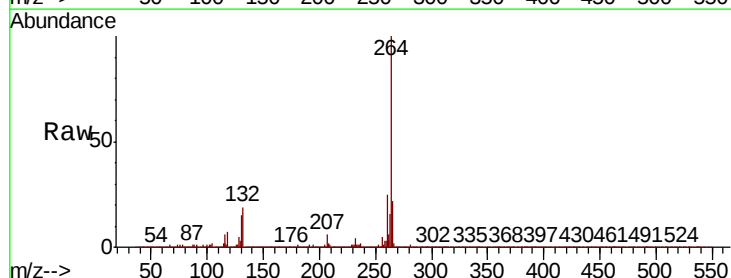
Tgt Ion:264 Resp: 830082

Ion Ratio Lower Upper

264 100

260 25.2 19.3 28.9

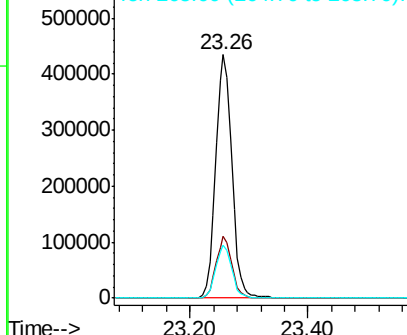
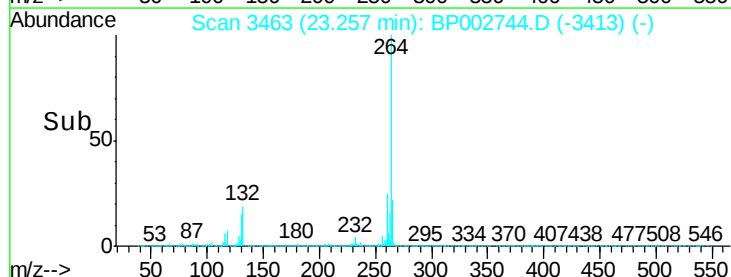
265 21.8 16.8 25.2

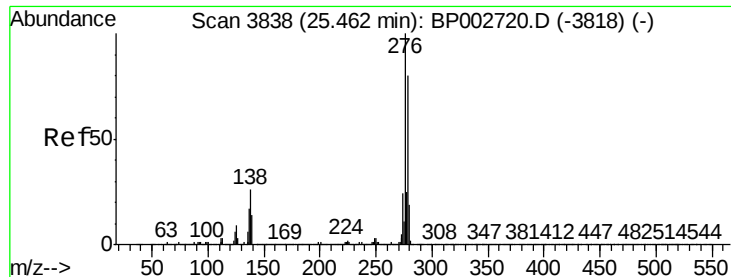


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.814 ng

RT: 25.46 min Scan# 3837

Delta R.T. -0.02 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

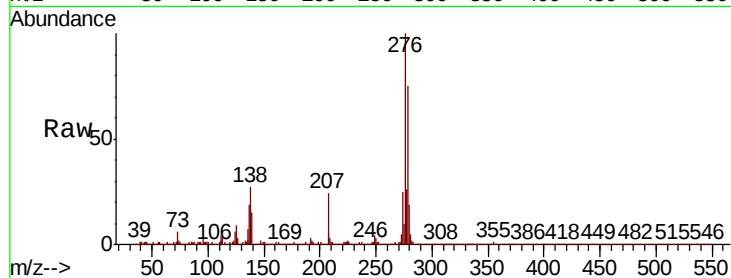
Tot Ion:276 Resp: 348838

Ion Ratio Lower Upper

276 100

138 27.7 20.8 31.2

277 24.9 20.0 30.0

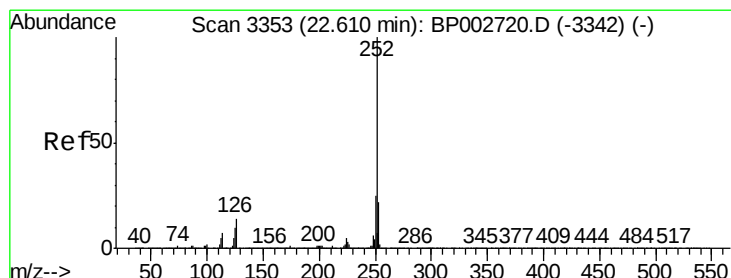
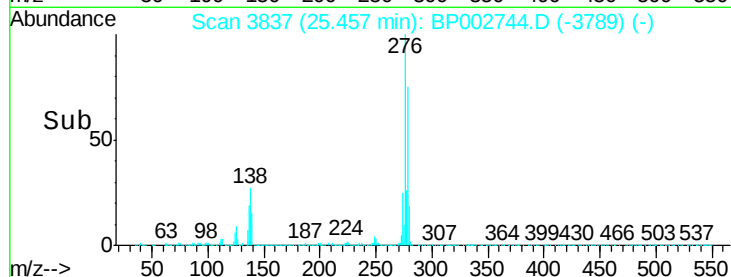
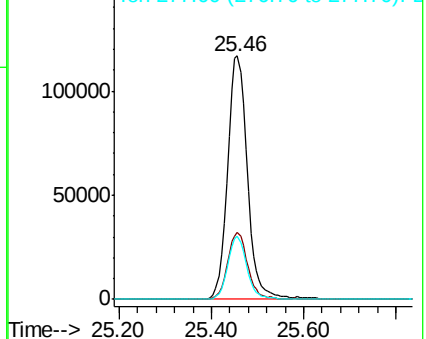


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 7.338 ng

RT: 22.60 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

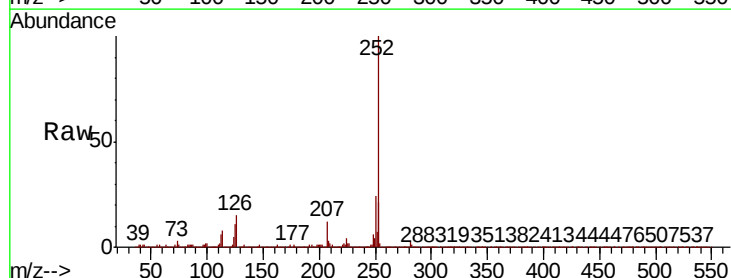
Tgt Ion:252 Resp: 378236

Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

125 11.4 8.2 12.2

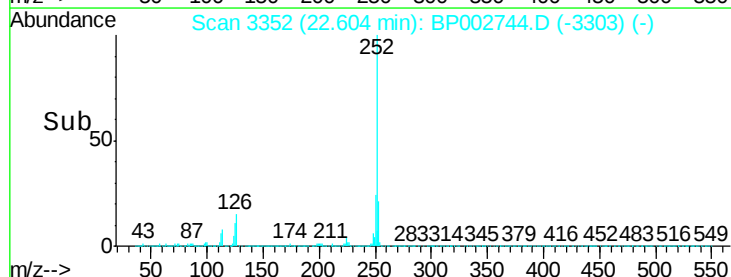
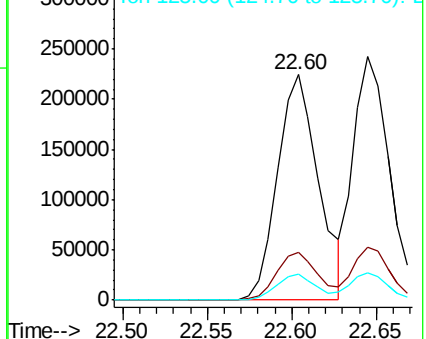


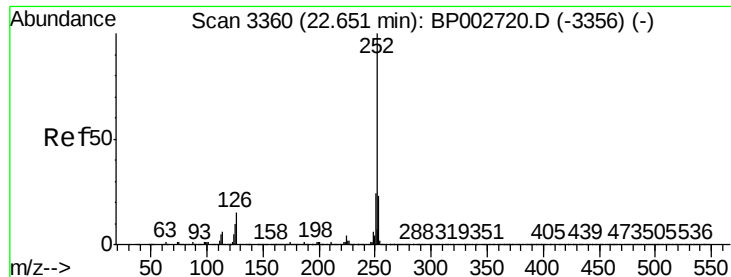
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

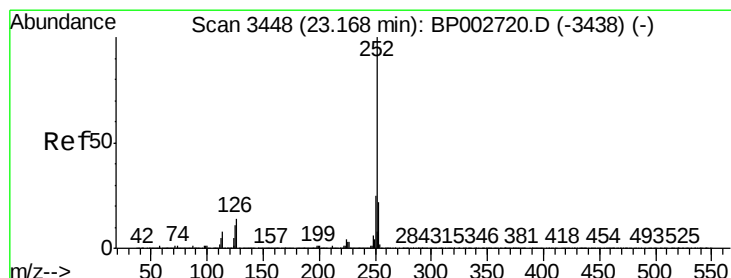
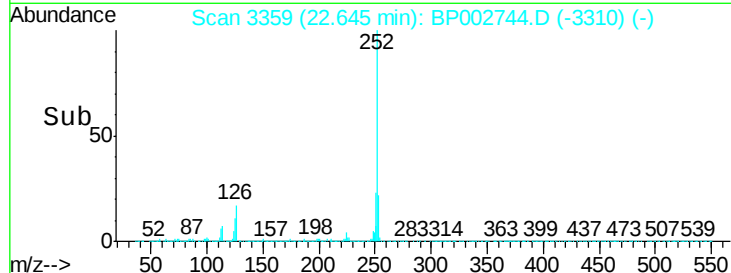
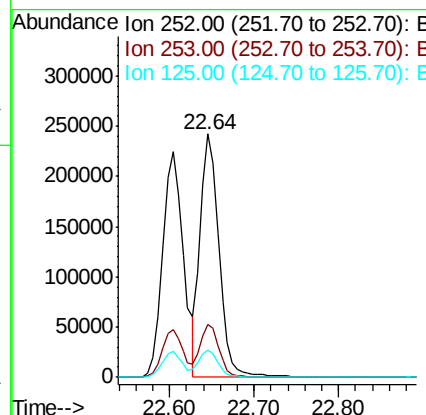
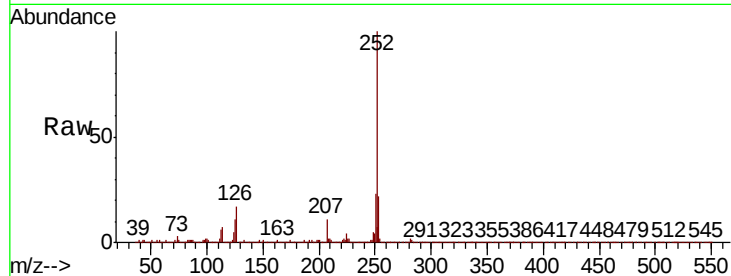




#89
Benzo(k)fluoranthene
Concen: 7.301 ng
RT: 22.64 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

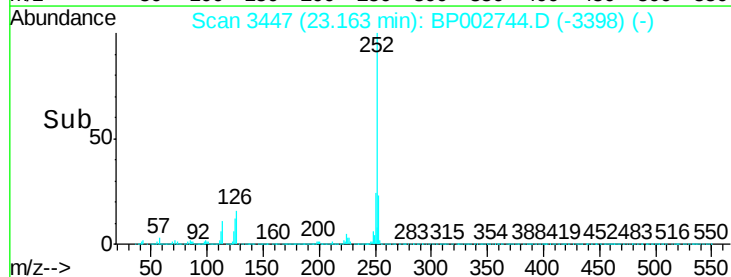
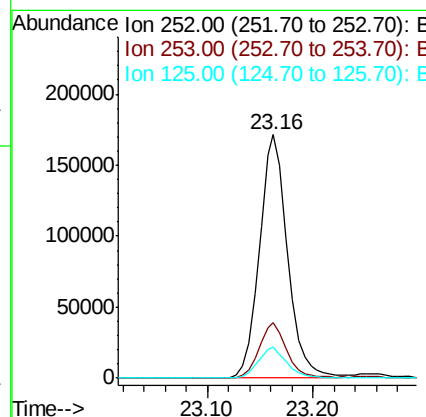
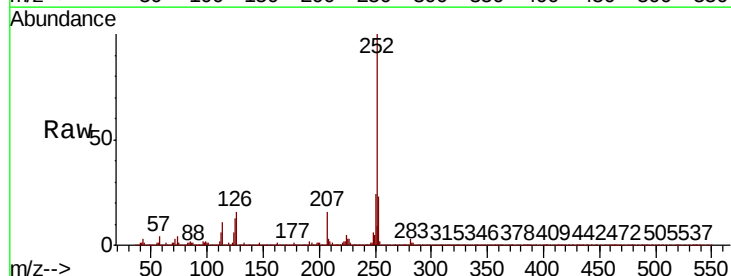
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

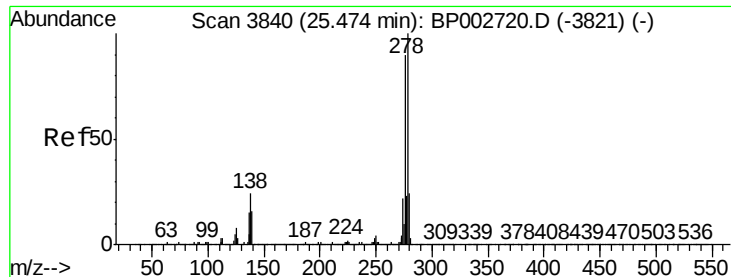
Tot Ion:252 Resp: 370662
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 11.4 8.3 12.5



#90
Benzo(a)pyrene
Concen: 6.485 ng
RT: 23.16 min Scan# 3447
Delta R.T. -0.01 min
Lab File: BP002744.D
Acq: 14 Jul 2020 11:51

Tgt Ion:252 Resp: 316772
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 12.6 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 5.912 ng

RT: 25.47 min Scan# 3839

Delta R.T. -0.01 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

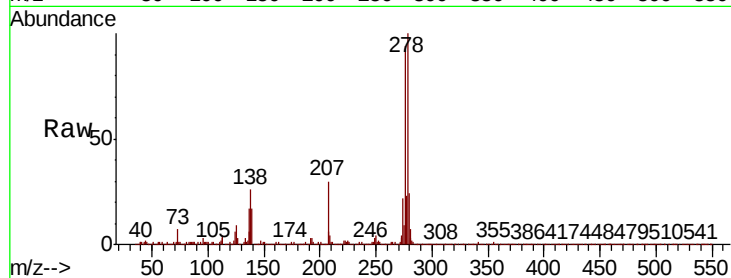
Tot Ion:278 Resp: 286056

Ion Ratio Lower Upper

278 100

139 17.2 13.1 19.7

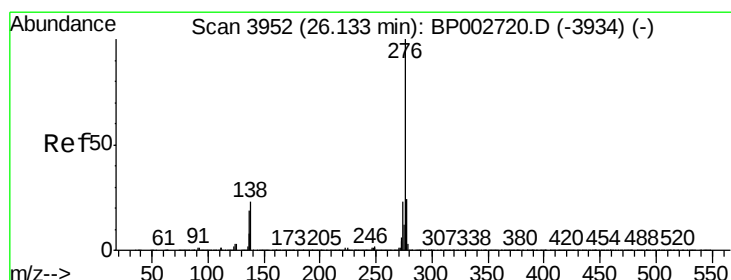
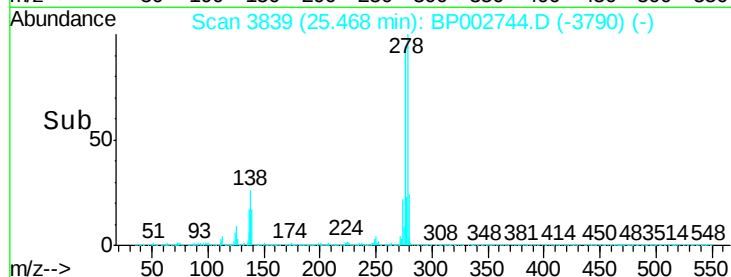
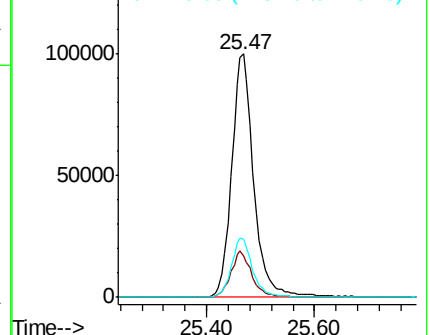
279 23.6 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.688 ng

RT: 26.13 min Scan# 3951

Delta R.T. -0.02 min

Lab File: BP002744.D

Acq: 14 Jul 2020 11:51

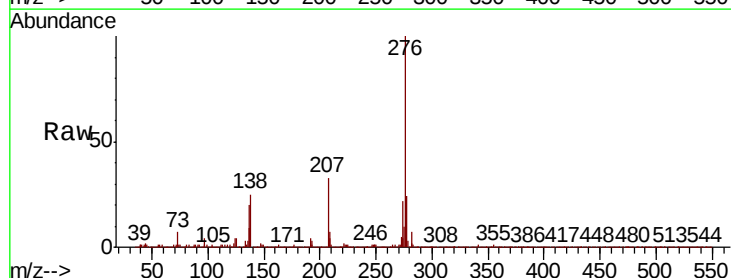
Tgt Ion:276 Resp: 279026

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 24.8 18.3 27.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

