

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071320\
 Data File : BP002730.D
 Acq On : 13 Jul 2020 11:43
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 13 12:18:21 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	154066	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	632700	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	406833	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	876543	20.00	ng	0.00
76) Chrysene-d12	21.07	240	877567	20.00	ng	0.00
86) Perylene-d12	23.26	264	872307	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	866308	94.87	ng	0.00
7) Phenol-d6	6.75	99	1250361	95.94	ng	0.00
23) Nitrobenzene-d5	8.70	82	889751	75.21	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	418160	98.47	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1986835	75.55	ng	0.00
79) Terphenyl-d14	19.55	244	2402556	62.77	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.13	88	33423	8.395	ng	99
3) Pyridine	3.52	79	66947	5.643	ng	96
4) n-Nitrosodimethylamine	3.43	42	31086	6.955	ng	# 97
6) Aniline	6.89	93	117790	7.140	ng	98
8) 2-Chlorophenol	7.13	128	72147	7.101	ng	99
9) Benzaldehyde	6.70	77	67256	9.499	ng	97
10) Phenol	6.78	94	96572	7.234	ng	97
11) bis(2-Chloroethyl)ether	6.99	93	76167	6.859	ng	97
12) 1,3-Dichlorobenzene	7.45	146	81986	7.037	ng	100
13) 1,4-Dichlorobenzene	7.59	146	84434	7.222	ng	97
14) 1,2-Dichlorobenzene	7.90	146	80546	7.144	ng	99
15) Benzyl Alcohol	7.80	79	52711	6.044	ng	100
16) 2,2'-oxybis(1-Chloropropan	8.09	45	109821	6.877	ng	99
17) 2-Methylphenol	8.02	107	58592	6.161	ng	96
18) Hexachloroethane	8.62	117	28272	6.827	ng	97
19) n-Nitroso-di-n-propylamine	8.36	70	57375	7.230	ng	98
20) 3+4-Methylphenols	8.35	107	79828	6.348	ng	# 88
22) Acetophenone	8.37	105	116704	7.482	ng	98
24) Nitrobenzene	8.74	77	90356	7.053	ng	100
25) Isophorone	9.26	82	153076	6.349	ng	100
26) 2-Nitrophenol	9.46	139	32423	5.859	ng	99
27) 2,4-Dimethylphenol	9.53	122	62834	6.994	ng	99
28) bis(2-Chloroethoxy)methane	9.76	93	101676	6.943	ng	100
29) 2,4-Dichlorophenol	10.00	162	61662	6.226	ng	97
30) 1,2,4-Trichlorobenzene	10.19	180	77776	6.856	ng	99
31) Naphthalene	10.38	128	236670	7.085	ng	100
32) Benzoic acid	9.68	122	6782	7.894	ng	# 90
33) 4-Chloroaniline	10.50	127	91150	6.368	ng	99
34) Hexachlorobutadiene	10.68	225	42259	6.445	ng	96
35) Caprolactam	11.25	113	19084	5.511	ng	98
36) 4-Chloro-3-methylphenol	11.65	107	67019	6.277	ng	97
37) 2-Methylnaphthalene	12.00	142	165269	7.011	ng	98
38) 1-Methylnaphthalene	12.22	142	160587	7.203	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.38	216	88741	7.098	ng	98

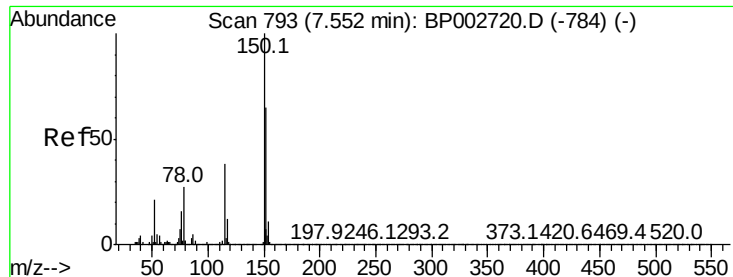
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071320\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.36	237	12983	9.561	ng	97
43) 2,4,6-Trichlorophenol	12.64	196	45504	5.686	ng	98
44) 2,4,5-Trichlorophenol	12.72	196	50311	5.420	ng	99
46) 1,1'-Biphenyl	13.03	154	227428	7.498	ng	99
47) 2-Chloronaphthalene	13.06	162	165899	6.734	ng	97
48) 2-Nitroaniline	13.29	65	40036	5.258	ng	95
49) Acenaphthylene	13.92	152	263948	6.797	ng	99
50) Dimethylphthalate	13.67	163	206780	6.665	ng	100
51) 2,6-Dinitrotoluene	13.79	165	40008	6.023	ng	98
52) Acenaphthene	14.27	154	159059	6.853	ng	100
53) 3-Nitroaniline	14.12	138	38020	5.116	ng	90
54) 2,4-Dinitrophenol	14.37	184	2432	11.937	ng	# 57
55) Dibenzofuran	14.61	168	264190	7.097	ng	99
56) 4-Nitrophenol	14.49	139	16407	7.556	ng	96
57) 2,4-Dinitrotoluene	14.59	165	48454	5.539	ng	94
58) Fluorene	15.26	166	204387	7.421	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.85	232	43306	5.919	ng	98
60) Diethylphthalate	15.05	149	197455	6.564	ng	98
61) 4-Chlorophenyl-phenylether	15.26	204	105778	7.228	ng	98
62) 4-Nitroaniline	15.29	138	38197	6.077	ng	92
63) Azobenzene	15.56	77	207507	6.709	ng	99
65) 4,6-Dinitro-2-methylphenol	15.37	198	15341	7.873	ng	95
66) n-Nitrosodiphenylamine	15.48	169	180341	6.965	ng	99
67) 4-Bromophenyl-phenylether	16.16	248	60483	6.335	ng	98
68) Hexachlorobenzene	16.28	284	68819	6.841	ng	97
69) Atrazine	16.45	200	53350	7.547	ng	99
70) Pentachlorophenol	16.64	266	8572	9.039	ng	96
71) Phenanthrene	17.00	178	338717	7.137	ng	100
72) Anthracene	17.10	178	327852	7.040	ng	99
73) Carbazole	17.38	167	298391	6.529	ng	100
74) Di-n-butylphthalate	17.95	149	295535	5.963	ng	99
75) Fluoranthene	18.99	202	378776	6.888	ng	99
77) Benzidine	19.19	184	130330	5.992	ng	99
78) Pyrene	19.35	202	403743	6.663	ng	98
80) Butylbenzylphthalate	20.24	149	124552	5.209	ng	96
81) Benzo(a)anthracene	21.06	228	387816	6.827	ng	99
82) 3,3'-Dichlorobenzidine	21.00	252	123590	6.569	ng	# 96
83) Chrysene	21.11	228	379645	7.021	ng	99
84) Bis(2-ethylhexyl)phthalate	21.01	149	198229	5.961	ng	99
85) Di-n-octyl phthalate	21.87	149	317974	5.318	ng	97
87) Indeno(1,2,3-cd)pyrene	25.46	276	426527	6.765	ng	99
88) Benzo(b)fluoranthene	22.61	252	359329	6.634	ng	100
89) Benzo(k)fluoranthene	22.65	252	386741	7.249	ng	99
90) Benzo(a)pyrene	23.17	252	334143	6.510	ng	99
91) Dibenzo(a,h)anthracene	25.47	278	354395	6.970	ng	99
92) Benzo(g,h,i)perylene	26.13	276	355688	6.900	ng	99

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

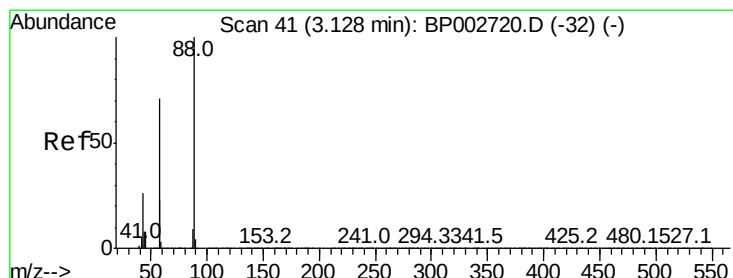
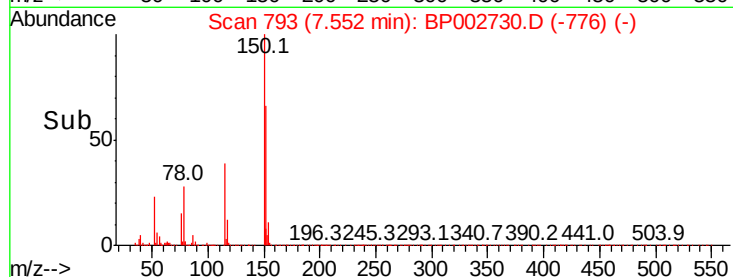
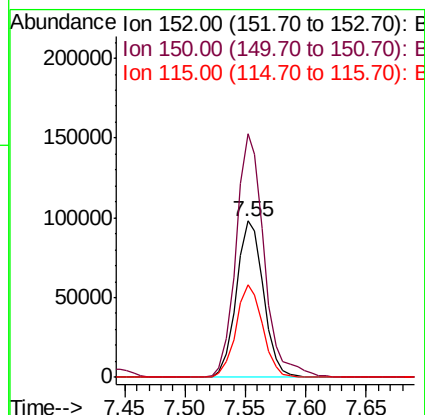
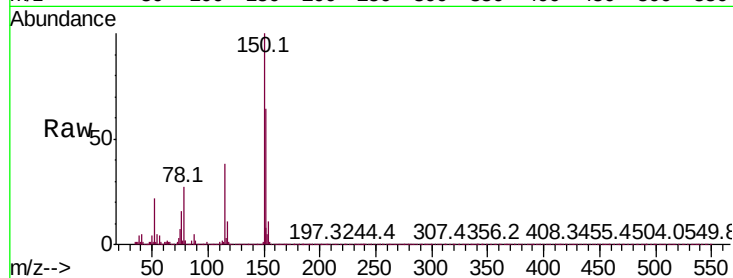


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 793
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

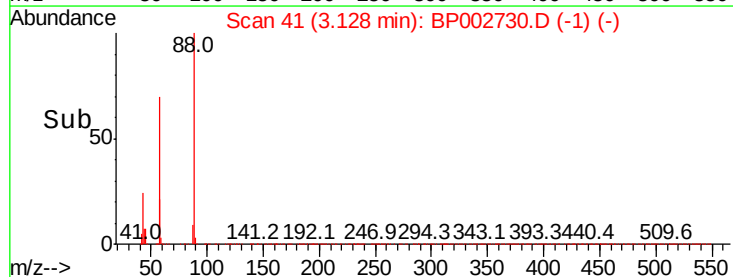
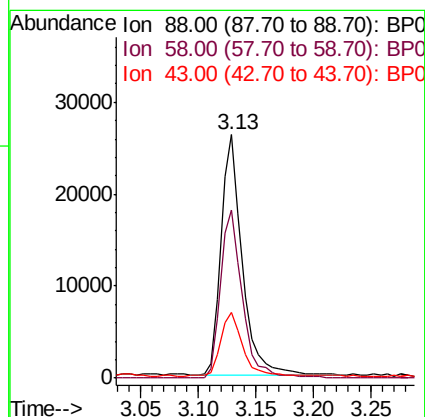
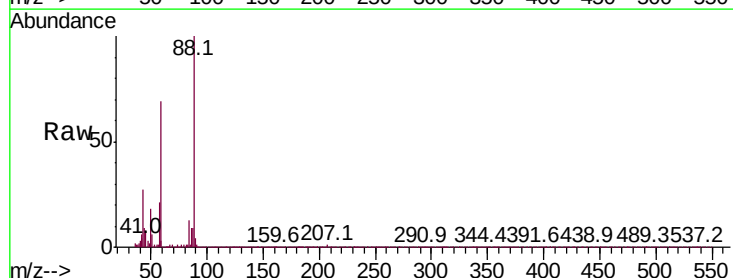
Tot Ion:152 Resp: 154066
Ion Ratio Lower Upper
152 100
150 155.8 123.7 185.5
115 59.6 47.2 70.8

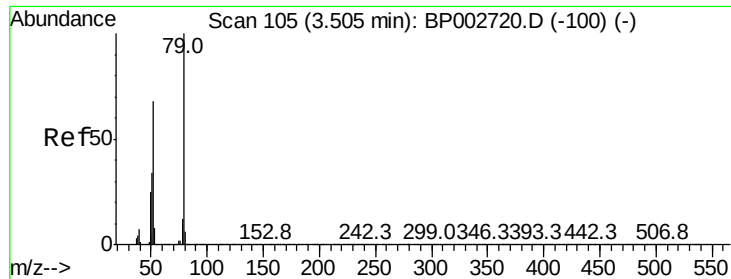


#2

1,4-Dioxane
Concen: 8.395 ng
RT: 3.13 min Scan# 41
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion: 88 Resp: 33423
Ion Ratio Lower Upper
88 100
58 71.8 58.2 87.4
43 27.9 21.5 32.3

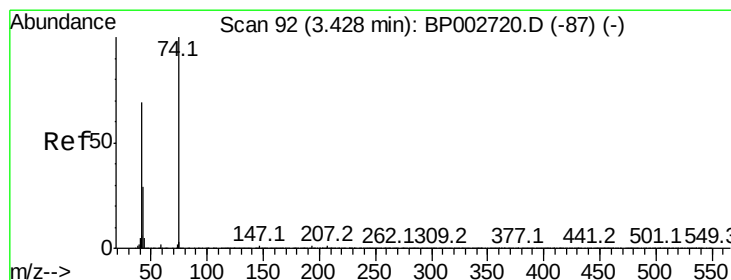
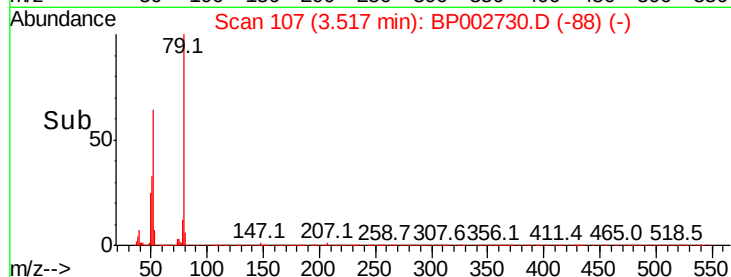
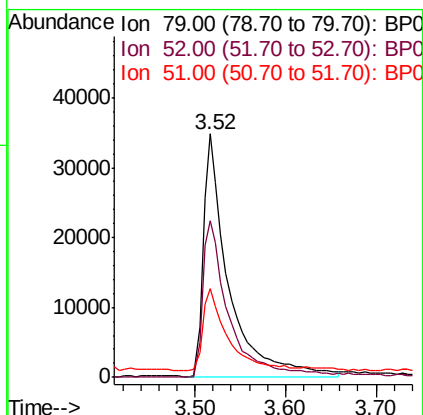
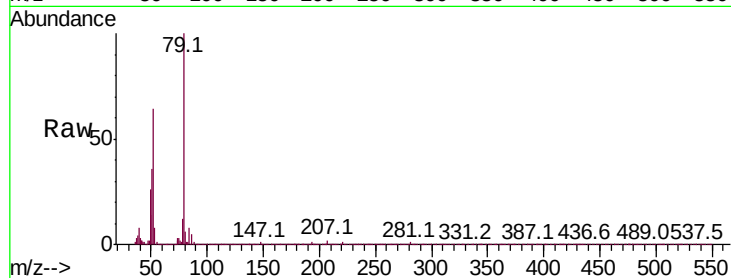




#3
 Pvridine
 Concen: 5.643 ng
 RT: 3.52 min Scan# 107
 Delta R.T. 0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

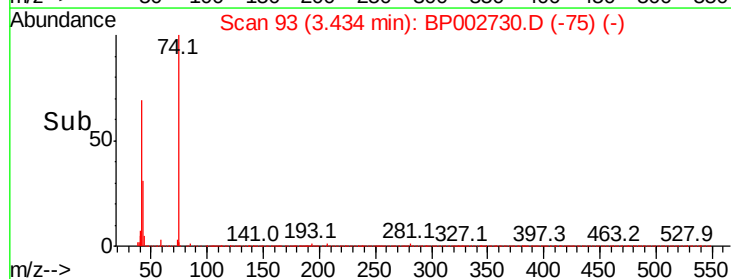
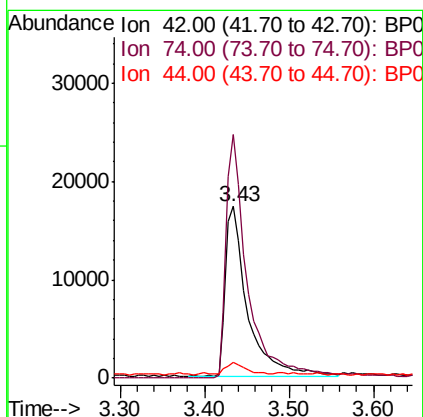
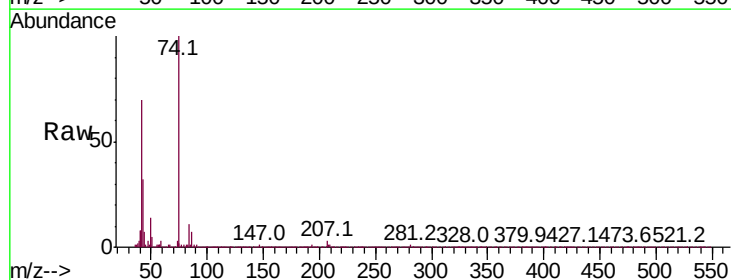
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

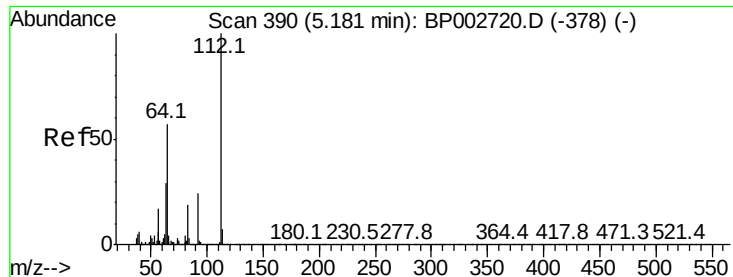
Tot Ion: 79 Resp: 66947
 Ion Ratio Lower Upper
 79 100
 52 64.3 54.2 81.2
 51 36.4 27.3 40.9



#4
 n-Nitrosodimethylamine
 Concen: 6.955 ng
 RT: 3.43 min Scan# 93
 Delta R.T. 0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

Tgt Ion: 42 Resp: 31086
 Ion Ratio Lower Upper
 42 100
 74 142.0 116.3 174.5
 44 9.4 5.9 8.9#





#5

2-Fluorophenol

Concen: 94.870 ng

RT: 5.18 min Scan# 389

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

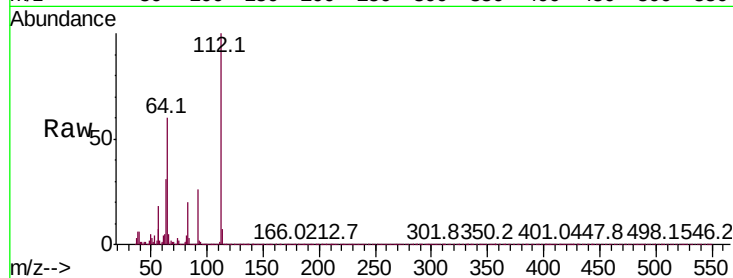
Tot Ion:112 Resp: 866308

Ion Ratio Lower Upper

112 100

64 60.1 45.6 68.4

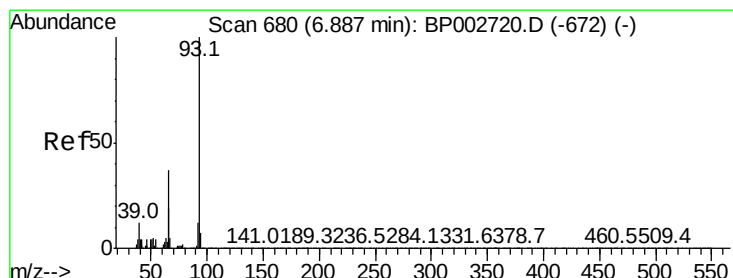
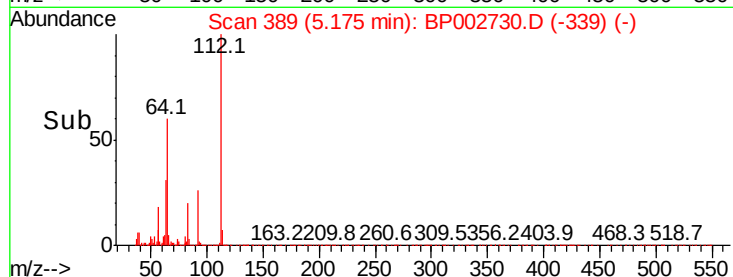
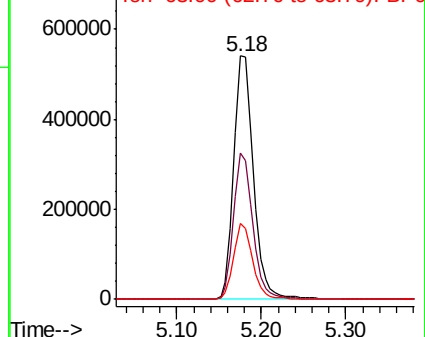
63 31.0 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 7.140 ng

RT: 6.89 min Scan# 680

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

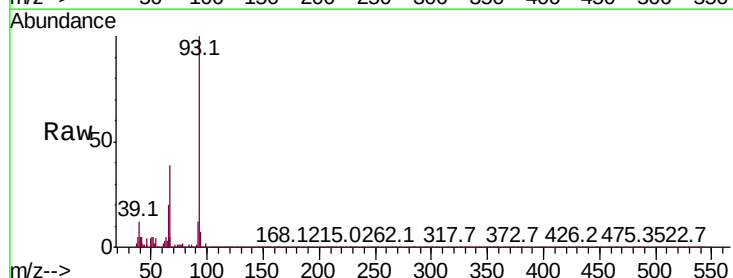
Tgt Ion: 93 Resp: 117790

Ion Ratio Lower Upper

93 100

66 39.2 30.1 45.1

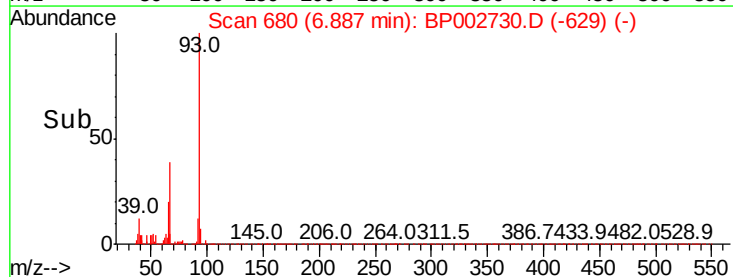
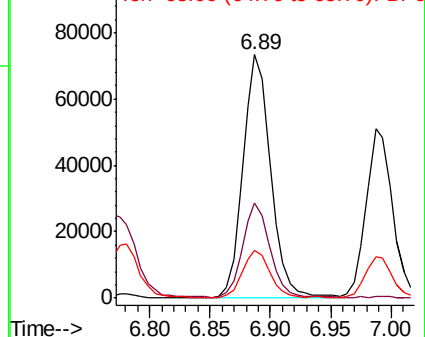
65 19.8 15.4 23.2

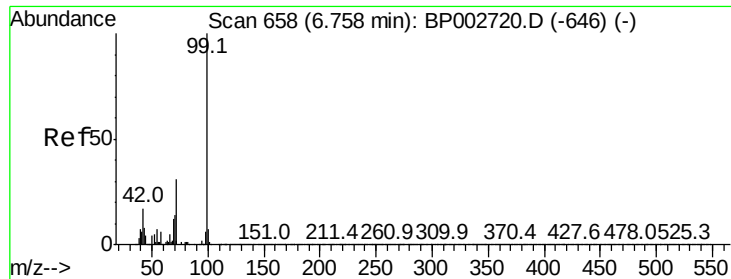


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 95.944 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

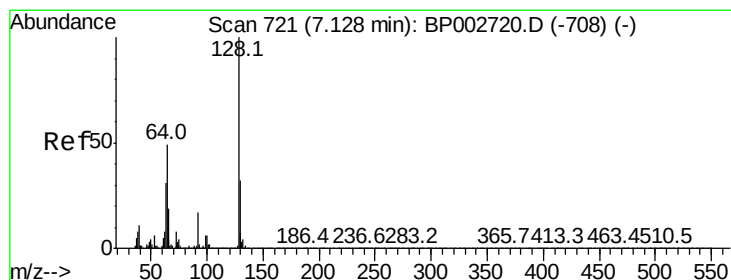
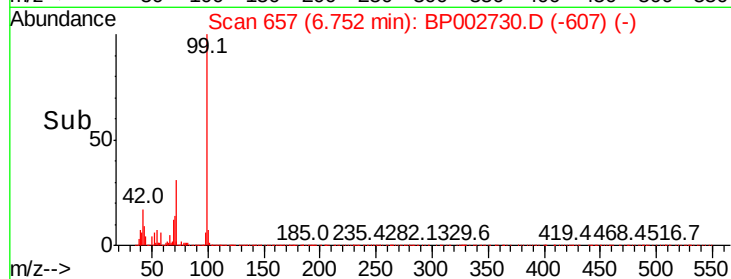
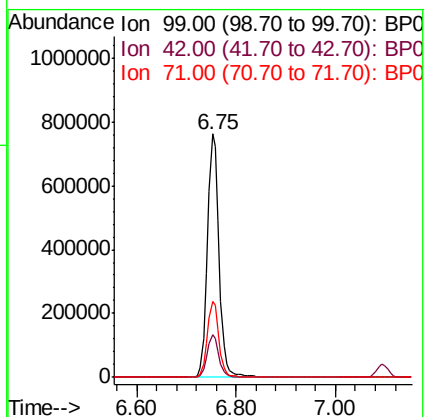
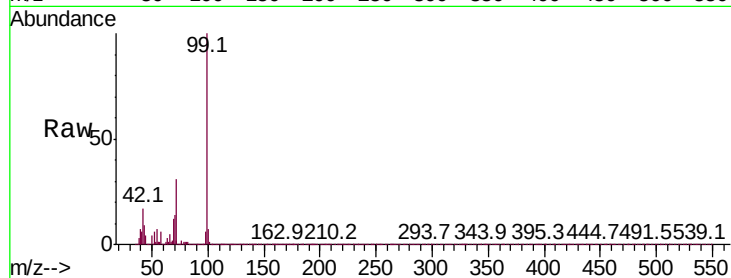
Tot Ion: 99 Resp: 1250361

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.4	20.2
71	31.4	24.6	36.8

99 100

42 17.4 13.4 20.2

71 31.4 24.6 36.8



#8

2-Chlorophenol

Concen: 7.101 ng

RT: 7.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

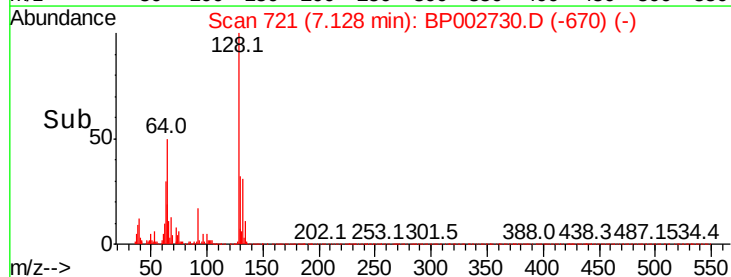
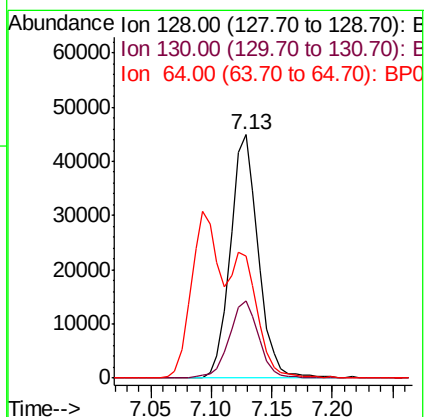
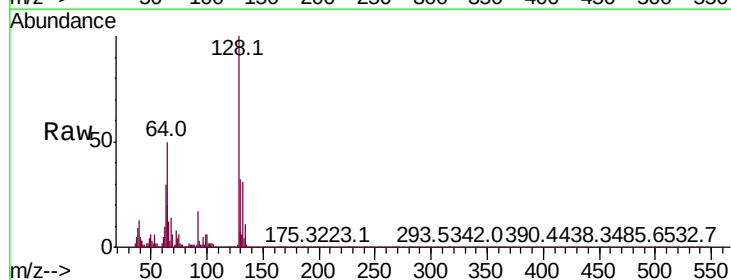
Tgt Ion: 128 Resp: 72147

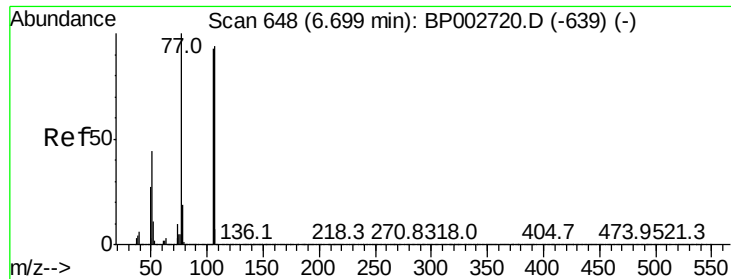
Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.2	52.2
64	50.0	28.8	68.8

128 100

130 31.7 12.2 52.2

64 50.0 28.8 68.8





#9

Benzaldehyde

Concen: 9.499 ng

RT: 6.70 min Scan# 649

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

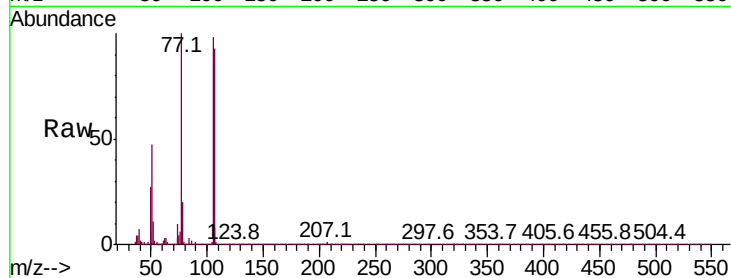
Tot Ion: 77 Resp: 67256

Ion Ratio Lower Upper

77 100

105 97.9 73.2 113.2

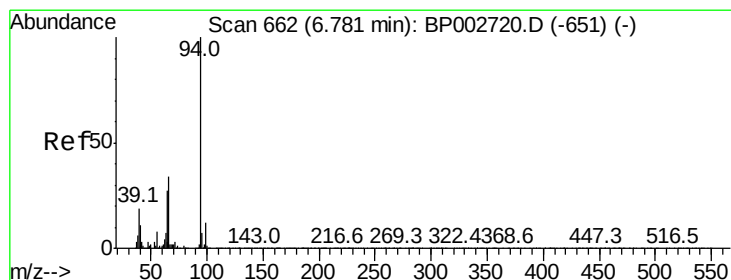
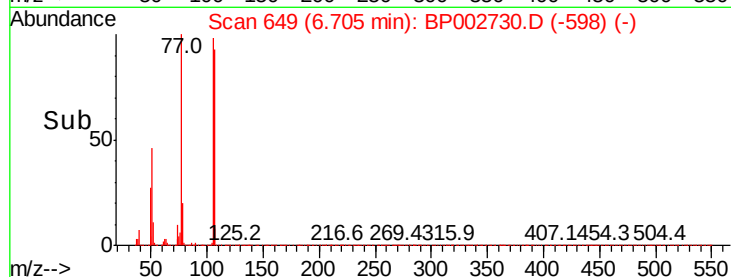
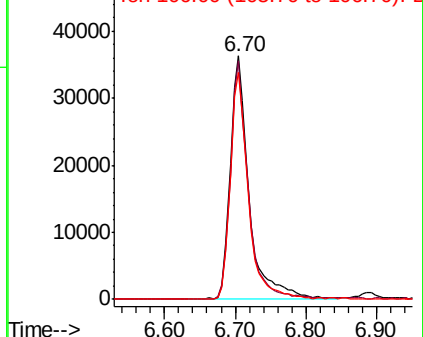
106 93.0 73.6 113.6



Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 7.234 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

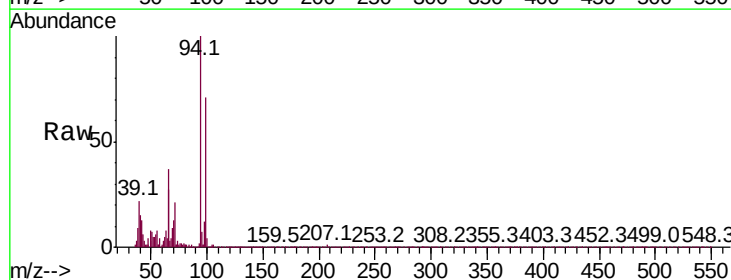
Tgt Ion: 94 Resp: 96572

Ion Ratio Lower Upper

94 100

65 26.9 7.0 47.0

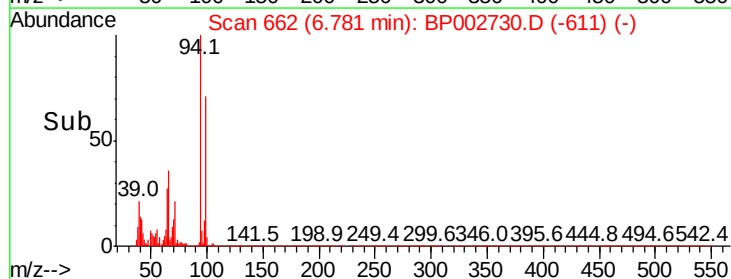
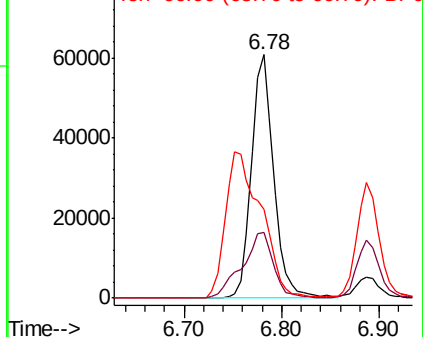
66 36.5 13.7 53.7

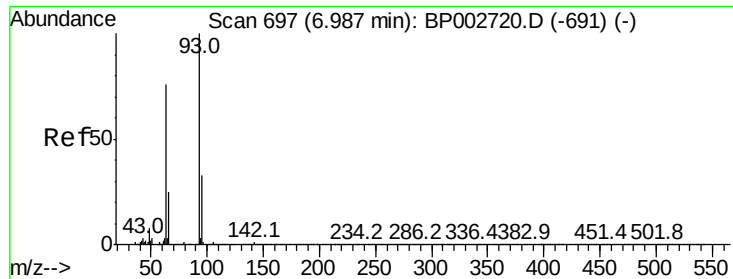


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0





#11

bis(2-Chloroethyl)ether

Concen: 6.859 ng

RT: 6.99 min Scan# 697

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

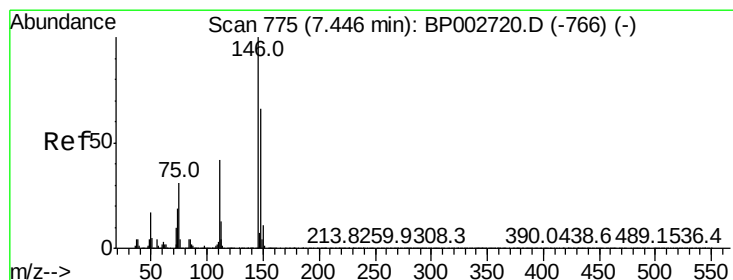
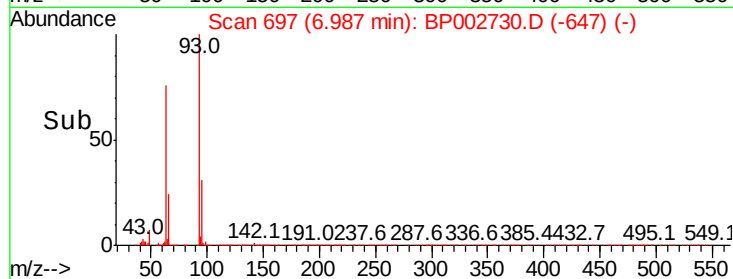
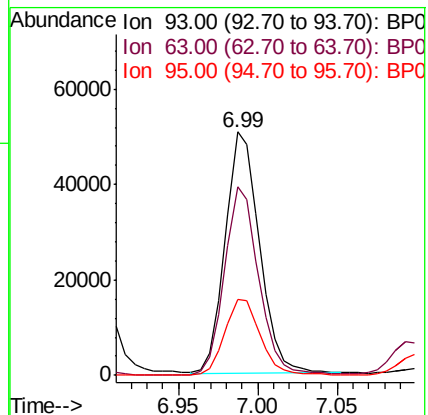
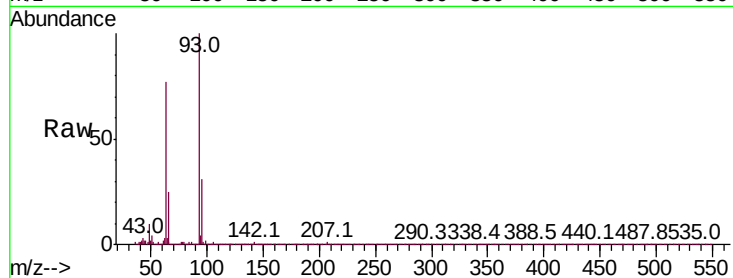
Tot Ion: 93 Resp: 76167

Ion Ratio Lower Upper

93 100

63 77.2 55.1 95.1

95 31.0 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 7.037 ng

RT: 7.45 min Scan# 775

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

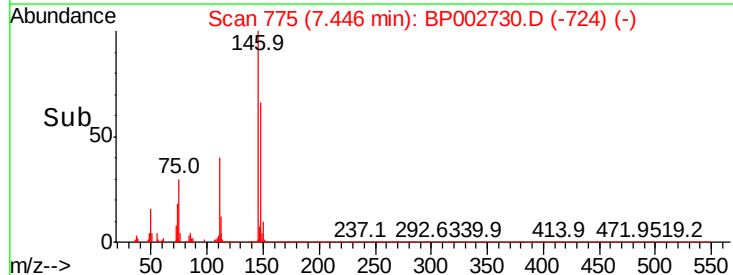
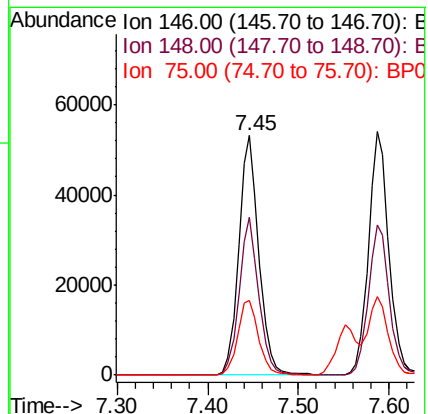
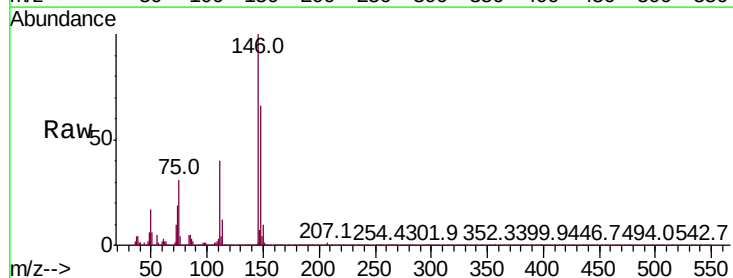
Tgt Ion: 146 Resp: 81986

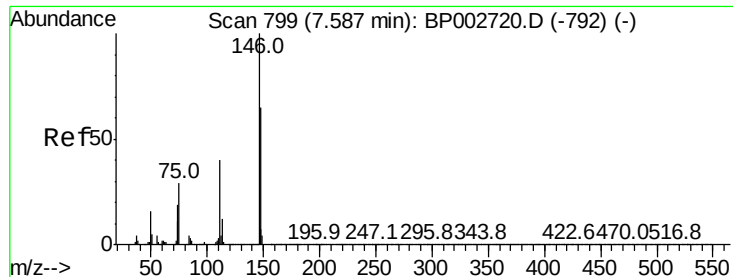
Ion Ratio Lower Upper

146 100

148 66.1 52.6 78.8

75 31.3 25.2 37.8





#13

1,4-Dichlorobenzene

Concen: 7.222 ng

RT: 7.59 min Scan# 799

Delta R.T. 0.00 min

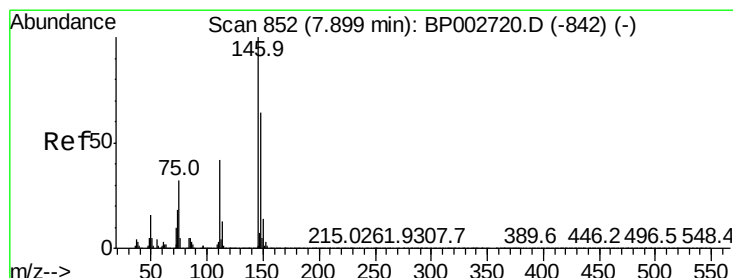
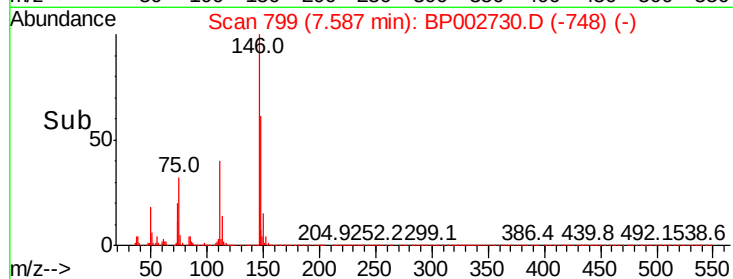
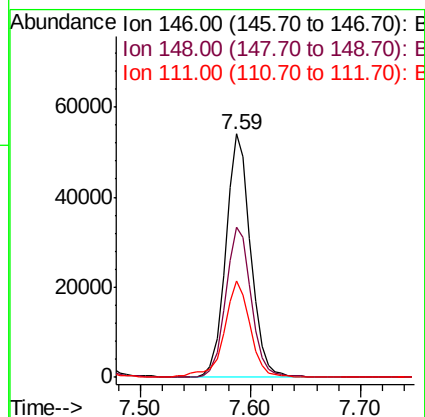
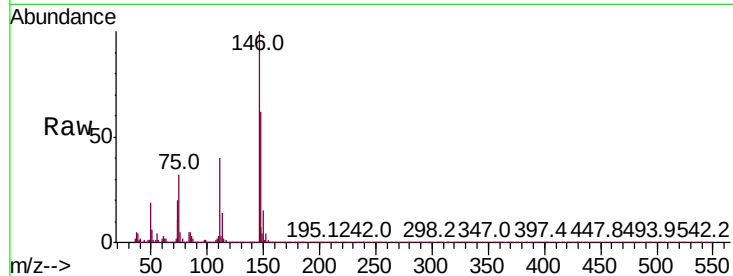
Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:146 Resp: 84434

Ion	Ratio	Lower	Upper
146	100		
148	61.5	52.1	78.1
111	39.8	32.2	48.2



#14

1,2-Dichlorobenzene

Concen: 7.144 ng

RT: 7.90 min Scan# 852

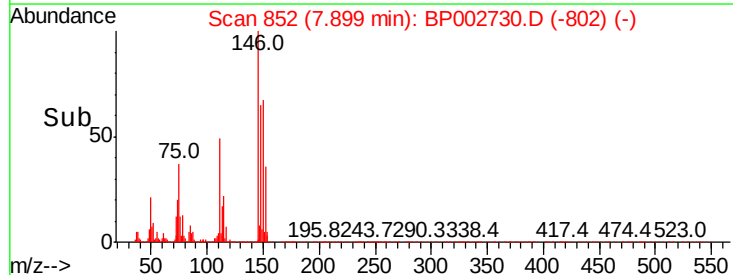
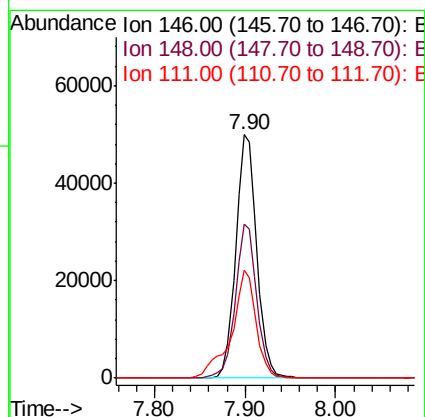
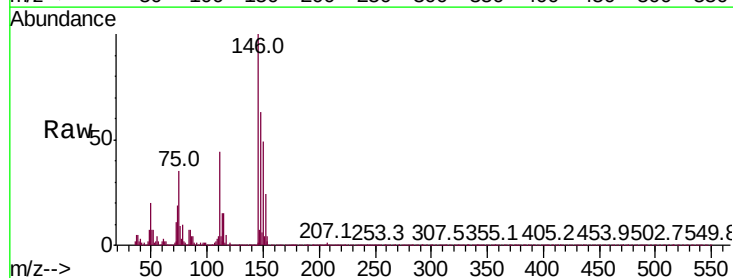
Delta R.T. -0.01 min

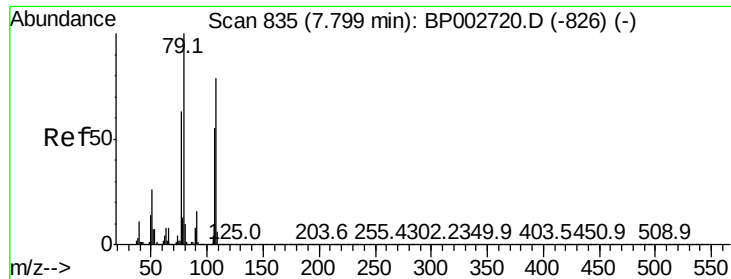
Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Tgt Ion:146 Resp: 80546

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.6
111	44.2	33.9	50.9

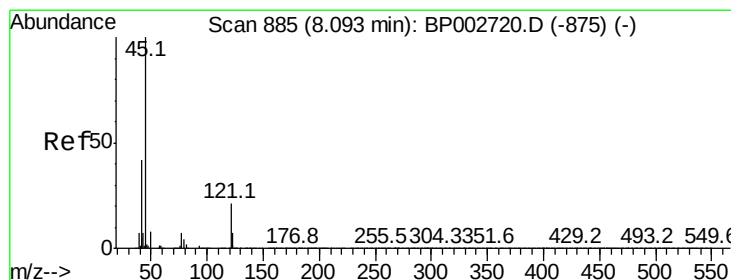
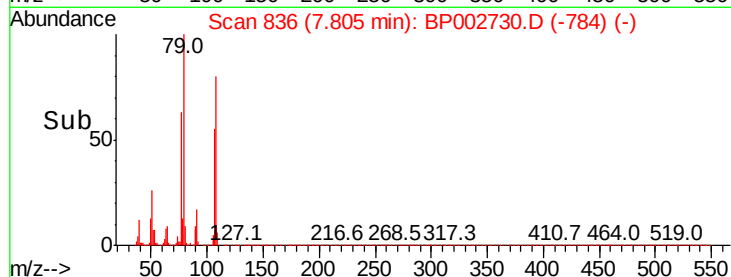
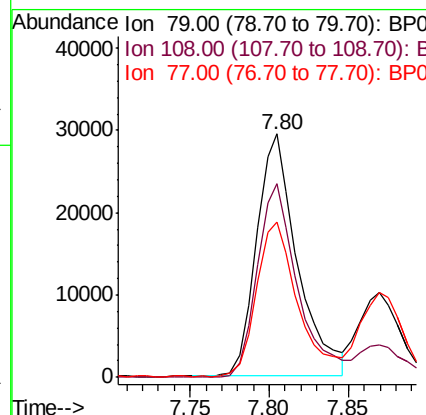
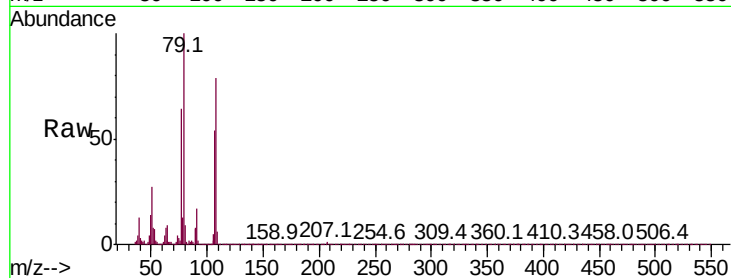




#15
Benzyl Alcohol
Concen: 6.044 ng
RT: 7.80 min Scan# 836
Delta R.T. 0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

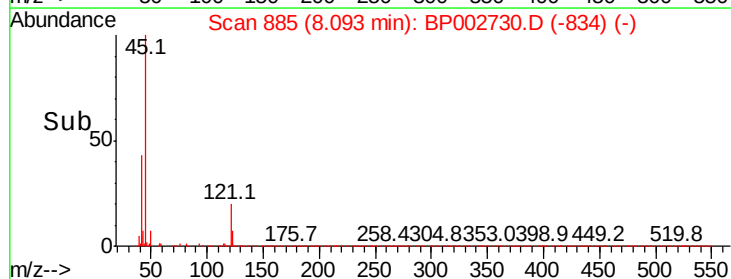
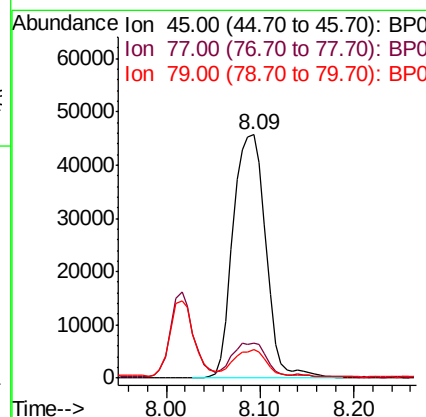
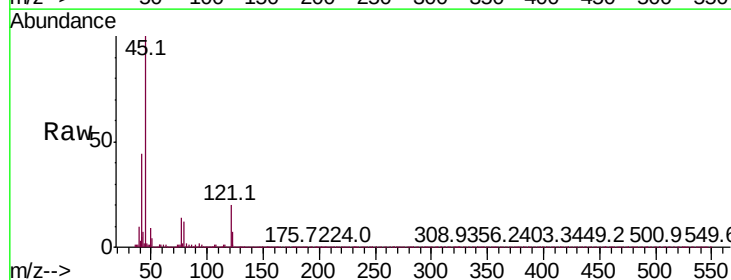
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

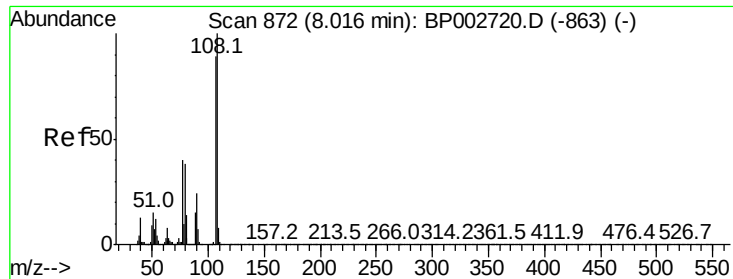
Tot Ion: 79 Resp: 52711
Ion Ratio Lower Upper
79 100
108 79.4 63.1 94.7
77 63.7 50.8 76.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.877 ng
RT: 8.09 min Scan# 885
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion: 45 Resp: 109821
Ion Ratio Lower Upper
45 100
77 14.2 0.0 34.8
79 11.8 0.0 31.6

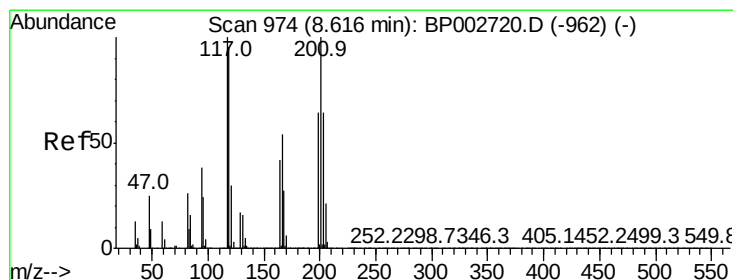
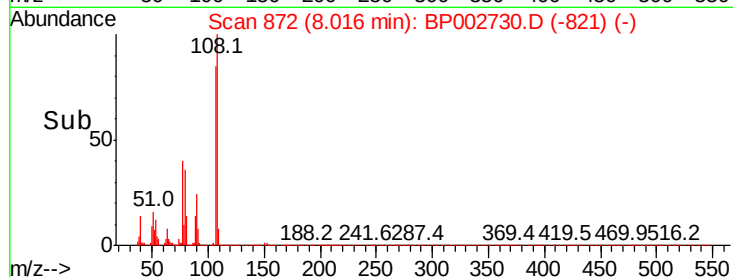
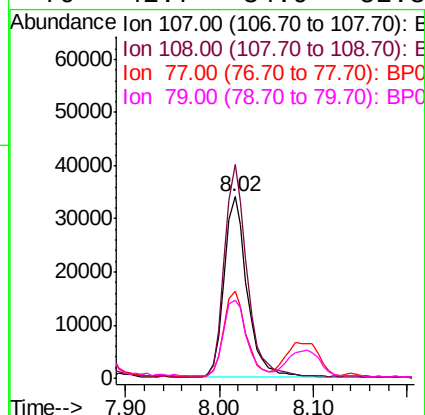
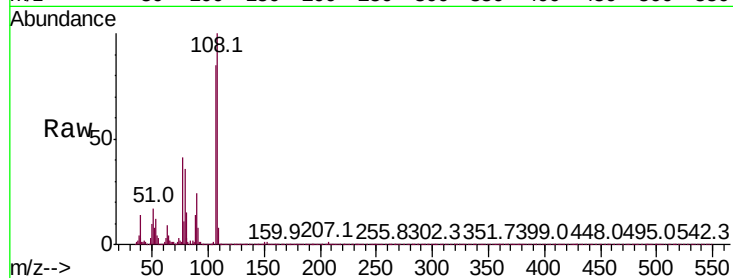




#17
2-Methylphenol
Concen: 6.161 ng
RT: 8.02 min Scan# 872
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

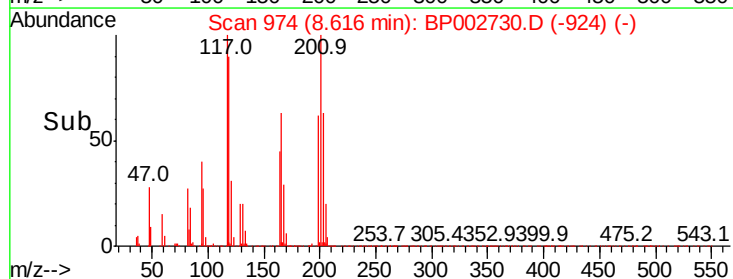
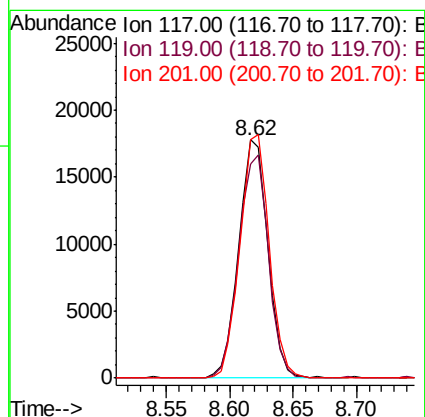
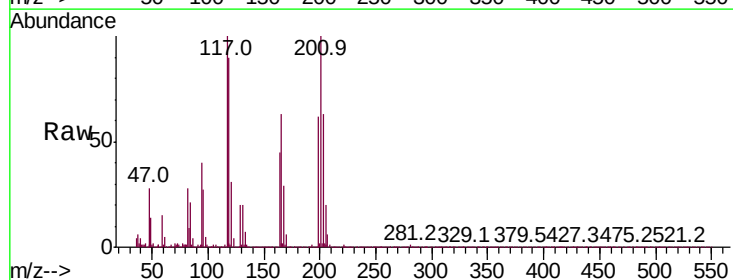
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

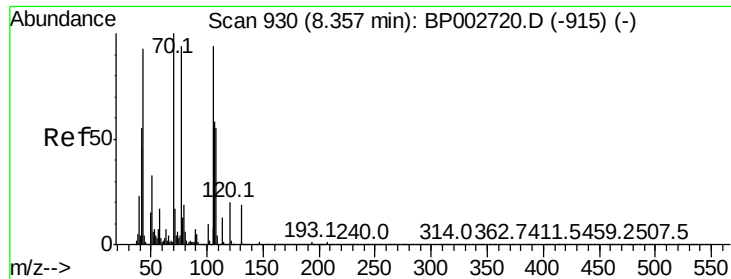
Tot Ion:	107	Resp:	58592
Ion	Ratio	Lower	Upper
107	100		
108	117.7	89.9	134.9
77	47.7	36.6	54.8
79	42.7	34.9	52.3



#18
Hexachloroethane
Concen: 6.827 ng
RT: 8.62 min Scan# 974
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:	117	Resp:	28272
Ion	Ratio	Lower	Upper
117	100		
119	89.8	76.6	115.0
201	99.8	80.3	120.5

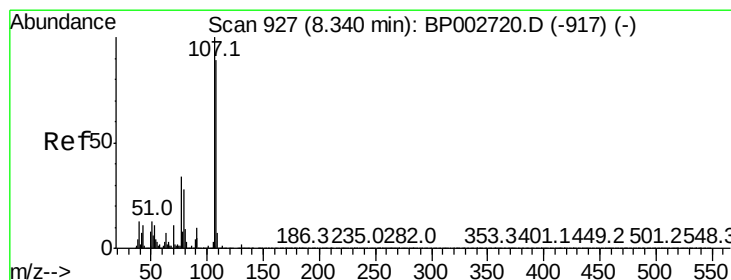
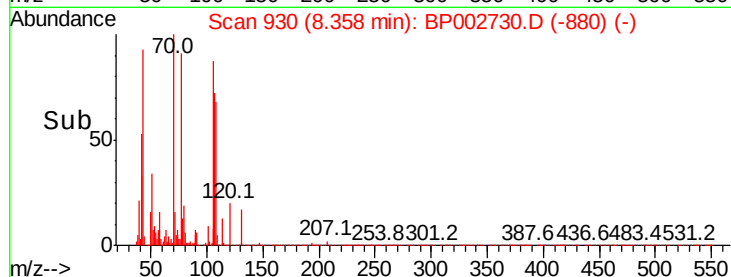
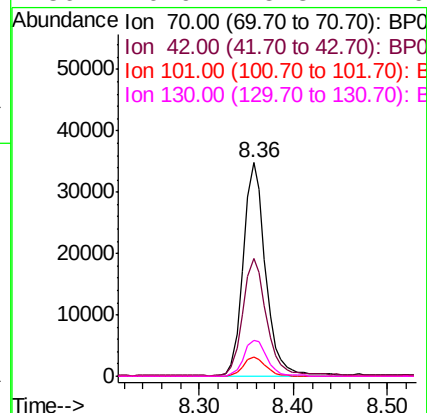
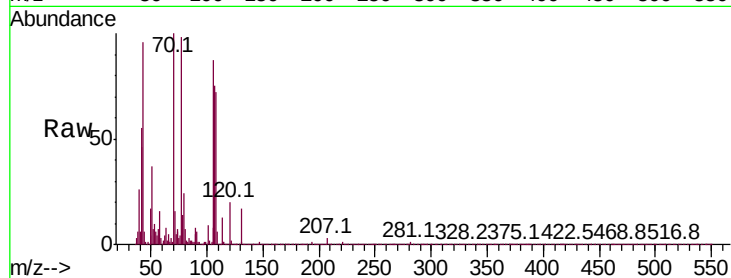




#19
n-Nitroso-di-n-propylamine
Concen: 7.230 ng
RT: 8.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

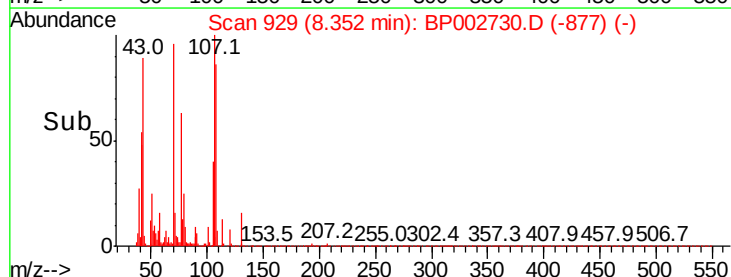
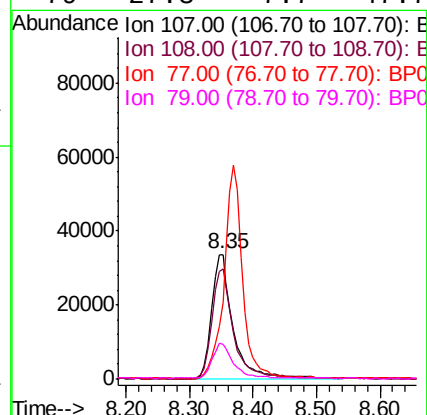
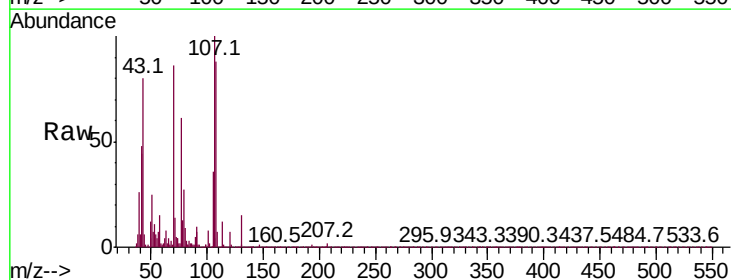
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

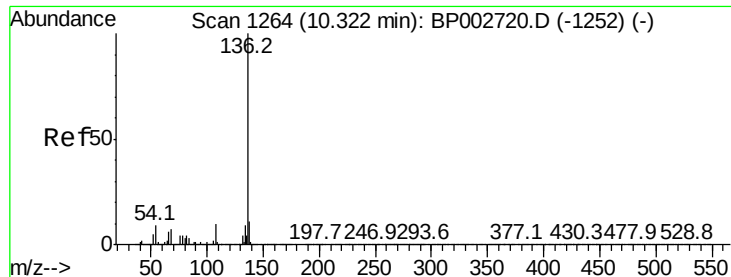
Tot Ion:	70	Resp:	57375
Ion	Ratio	Lower	Upper
70	100		
42	54.9	44.2	66.4
101	8.8	7.7	11.5
130	16.9	15.3	22.9



#20
3+4-Methylphenols
Concen: 6.348 ng
RT: 8.35 min Scan# 929
Delta R.T. 0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:	107	Resp:	79828
Ion	Ratio	Lower	Upper
107	100		
108	88.2	69.5	109.5
77	61.3	14.3	54.3#
79	27.3	7.7	47.7

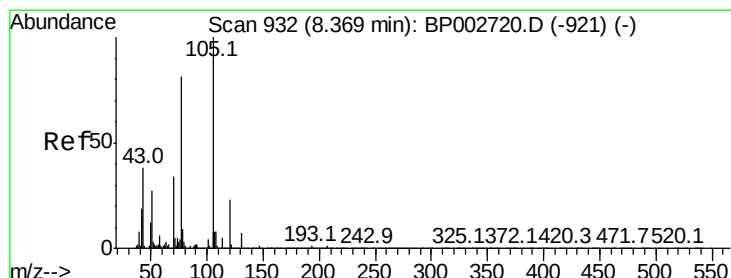
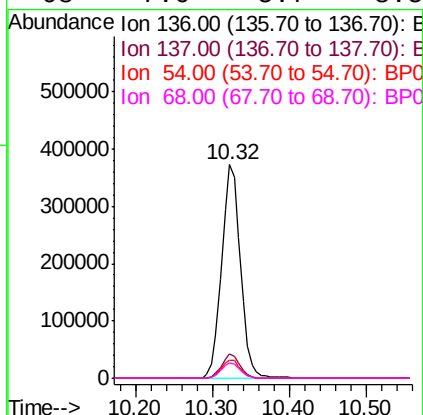
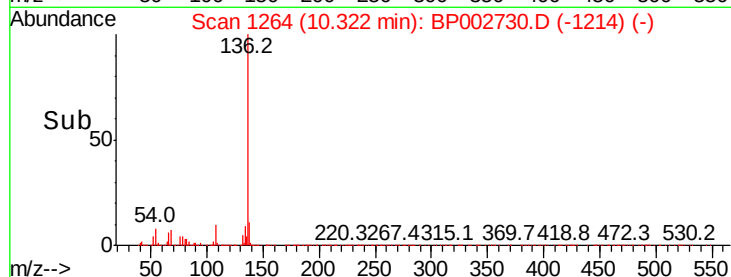
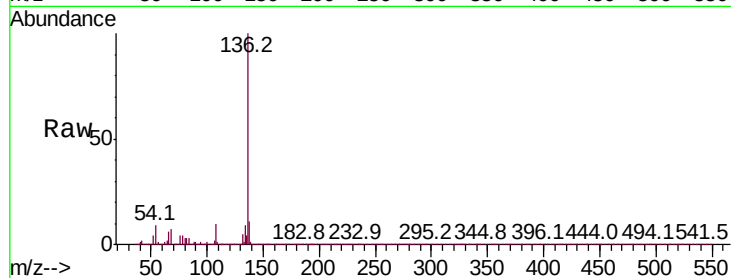




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

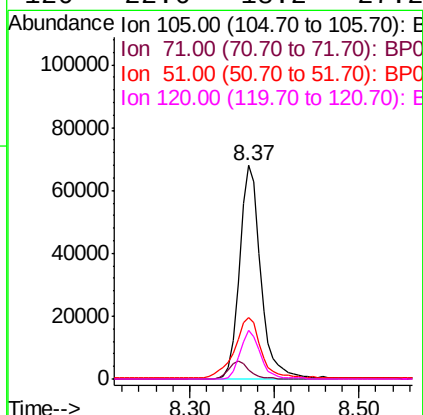
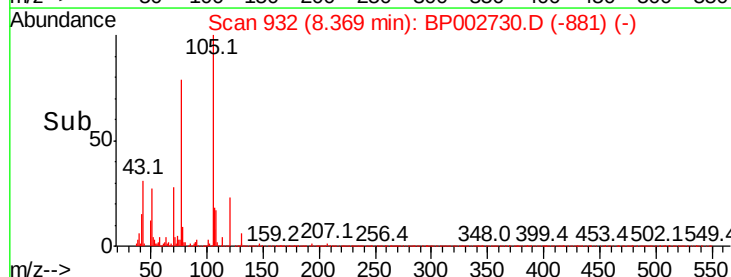
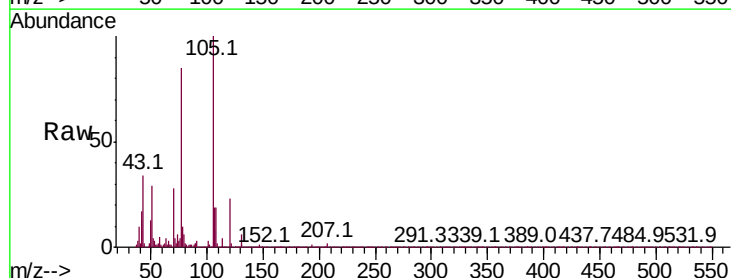
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

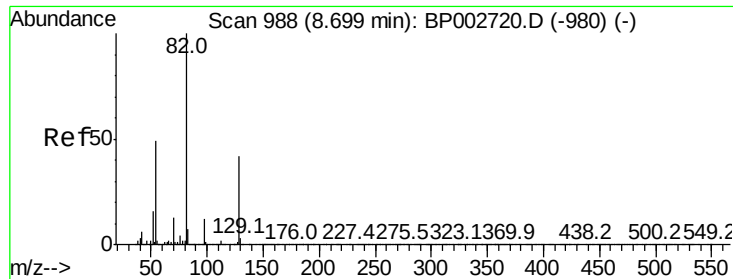
Tot Ion:	136	Resp:	632700
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	8.5	6.9	10.3
68	7.0	5.7	8.5



#22
Acetophenone
Concen: 7.482 ng
RT: 8.37 min Scan# 932
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:	105	Resp:	116704
Ion	Ratio	Lower	Upper
105	100		
71	4.5	4.4	6.6
51	28.8	21.8	32.8
120	22.6	18.2	27.2

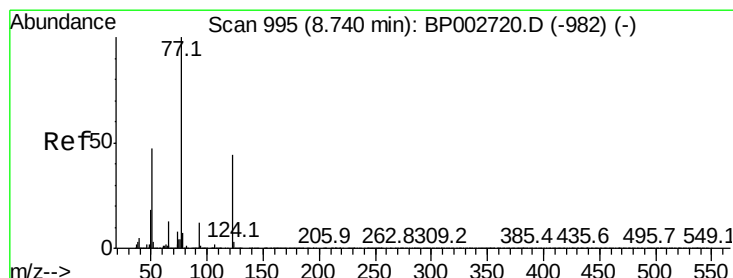
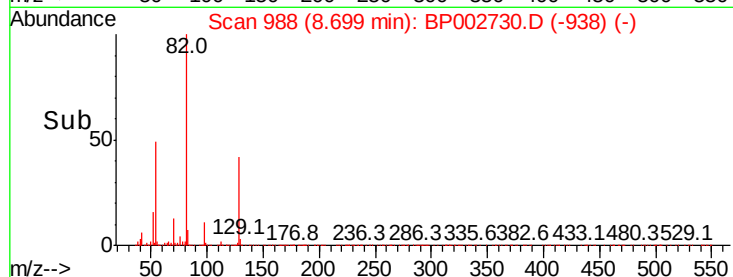
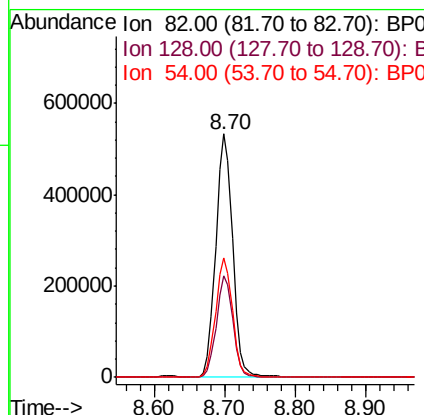
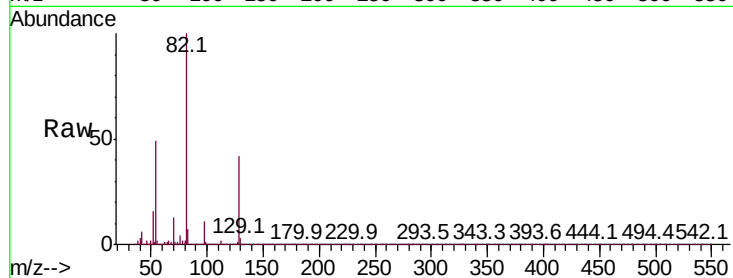




#23
Nitrobenzene-d5
Concen: 75.213 ng
RT: 8.70 min Scan# 988
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

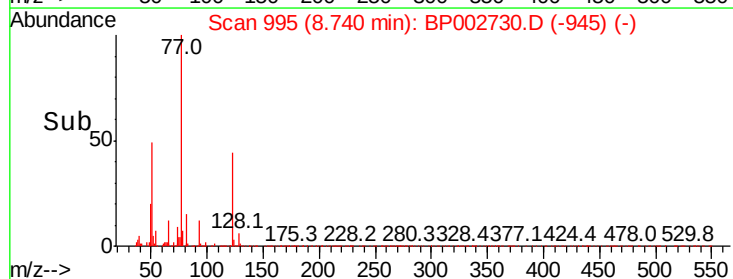
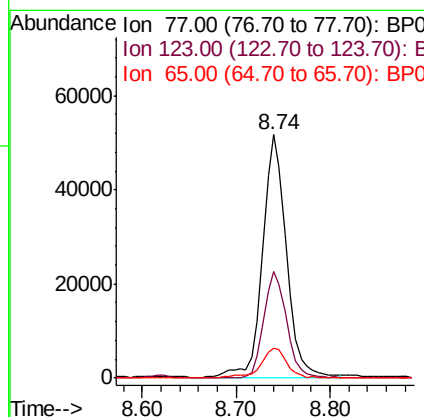
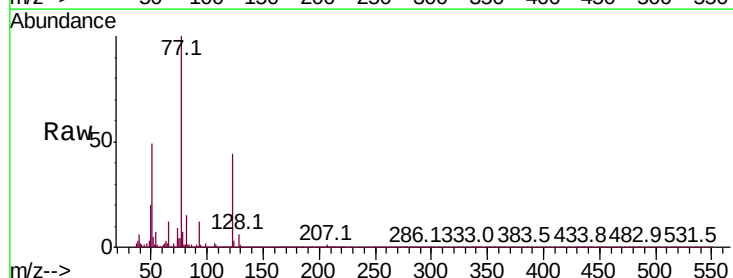
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

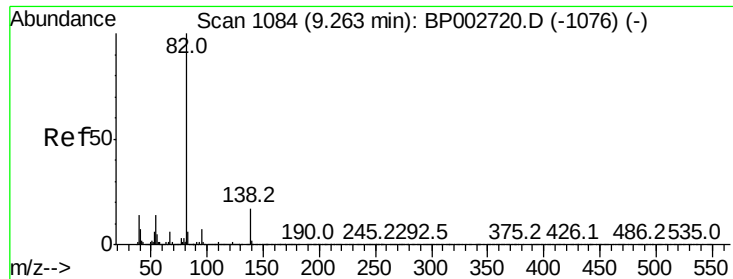
Tot Ion	82	Resp	889751
Ion Ratio	100	Lower	Upper
128	41.8	33.8	50.8
54	48.9	38.8	58.2



#24
Nitrobenzene
Concen: 7.053 ng
RT: 8.74 min Scan# 995
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion	77	Resp	90356
Ion Ratio	100	Lower	Upper
123	43.8	35.0	52.6
65	12.4	10.4	15.6





#25

Isophorone

Concen: 6.349 ng

RT: 9.26 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

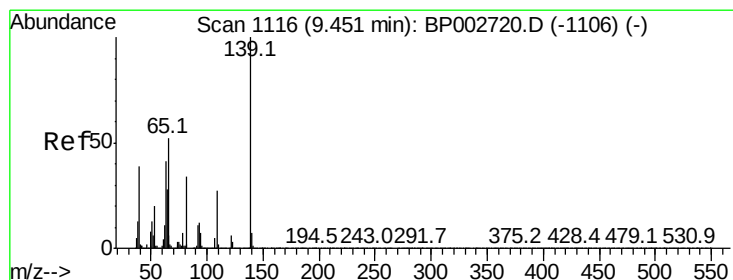
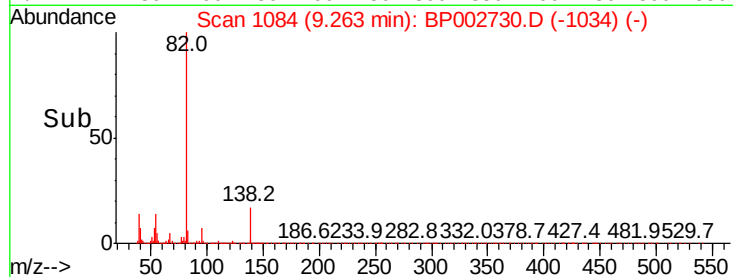
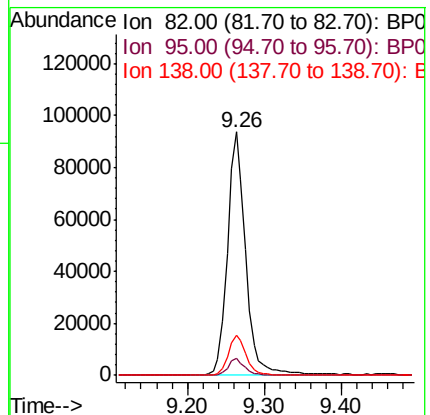
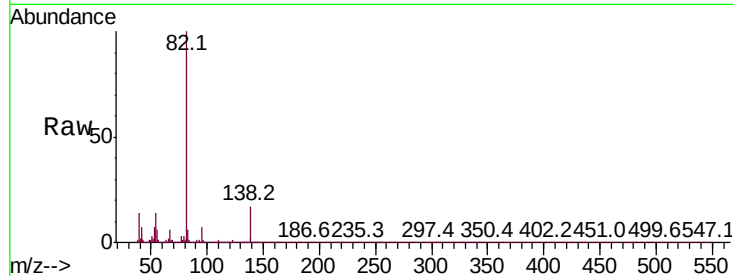
Tot Ion: 82 Resp: 153076

Ion Ratio Lower Upper

82 100

95 6.8 5.2 7.8

138 16.6 13.2 19.8



#26

2-Nitrophenol

Concen: 5.859 ng

RT: 9.46 min Scan# 1117

Delta R.T. 0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

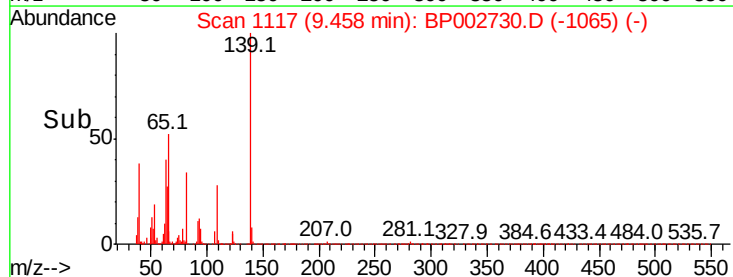
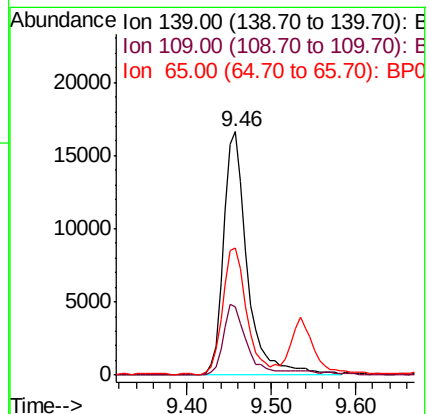
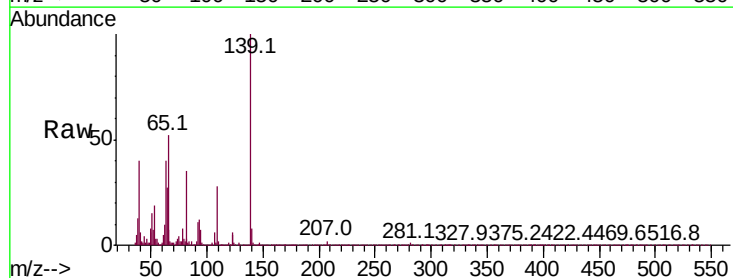
Tgt Ion: 139 Resp: 32423

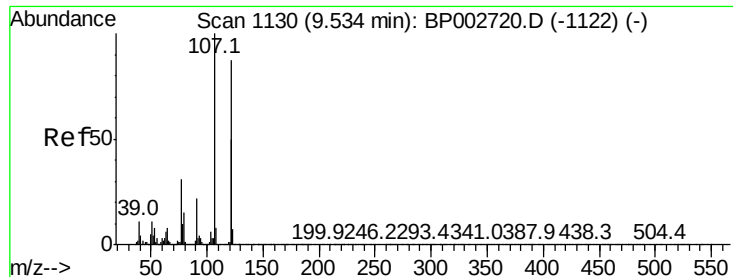
Ion Ratio Lower Upper

139 100

109 28.1 21.9 32.9

65 52.5 41.3 61.9





#27

2,4-Dimethylphenol

Concen: 6.994 ng

RT: 9.53 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

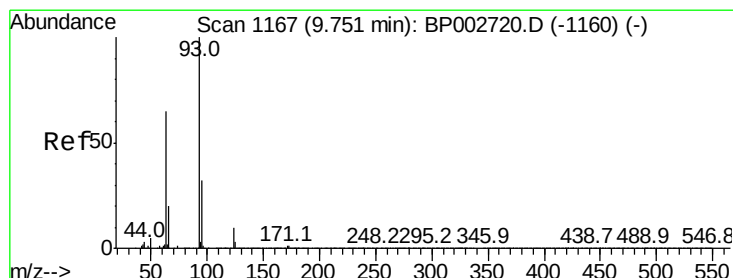
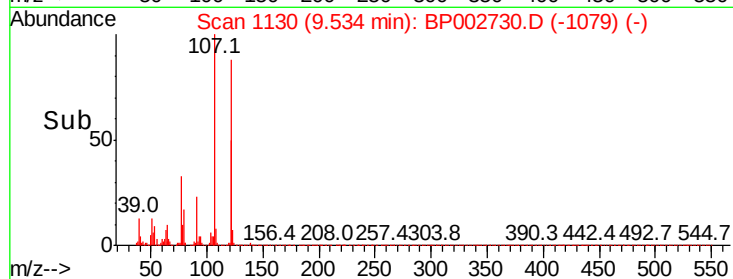
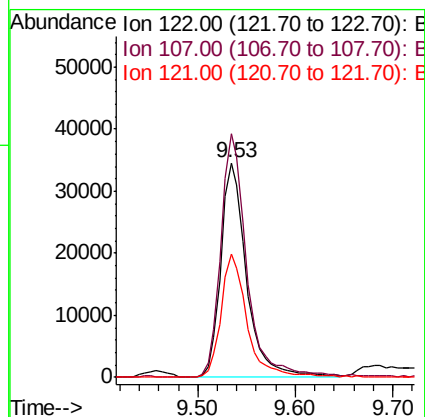
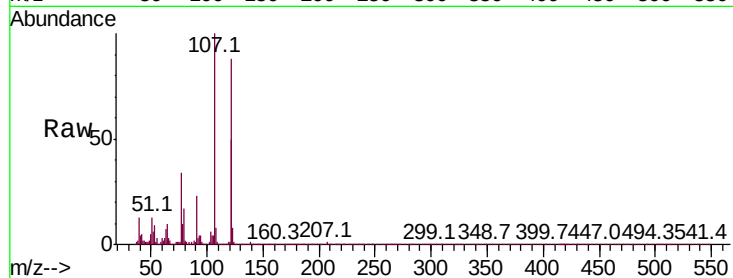
Tot Ion:122 Resp: 62834

Ion Ratio Lower Upper

122 100

107 113.4 92.2 138.4

121 57.2 45.8 68.6



#28

bis(2-Chloroethoxy)methane

Concen: 6.943 ng

RT: 9.76 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

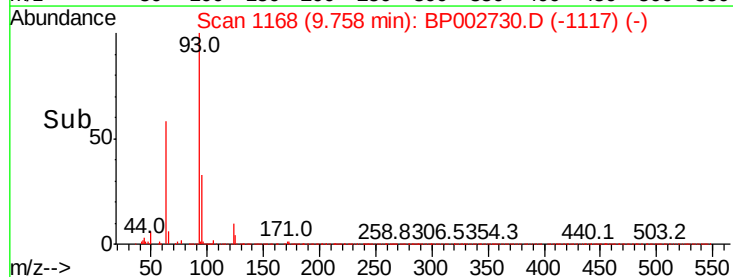
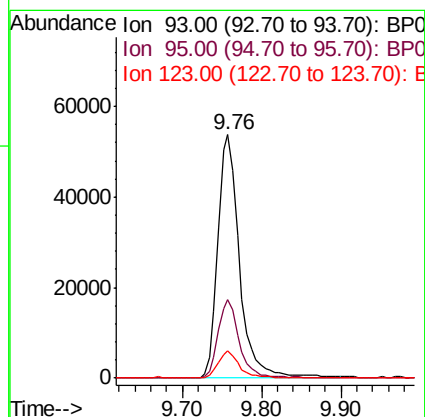
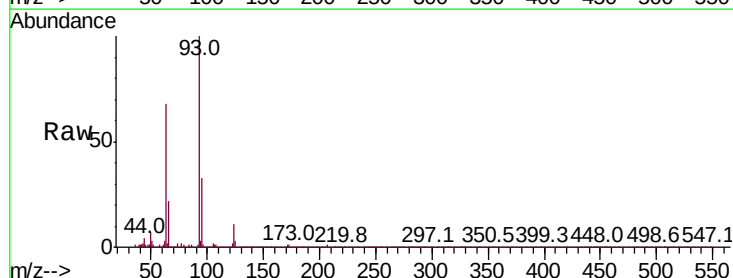
Tgt Ion: 93 Resp: 101676

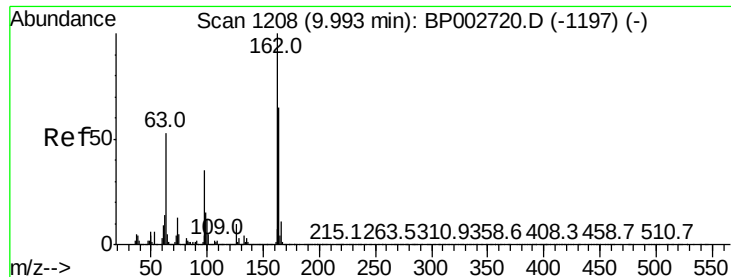
Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.6

123 11.2 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 6.226 ng

RT: 10.00 min Scan# 1210

Delta R.T. 0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

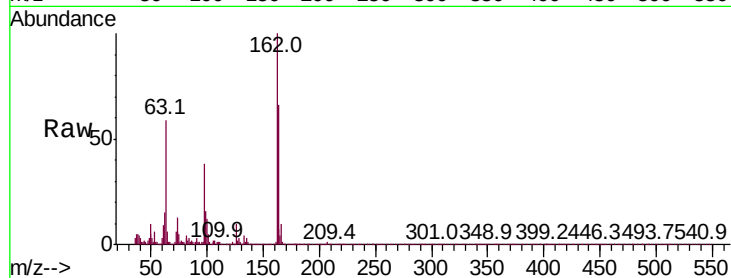
Tot Ion:162 Resp: 61662

Ion Ratio Lower Upper

162 100

164 65.9 44.5 84.5

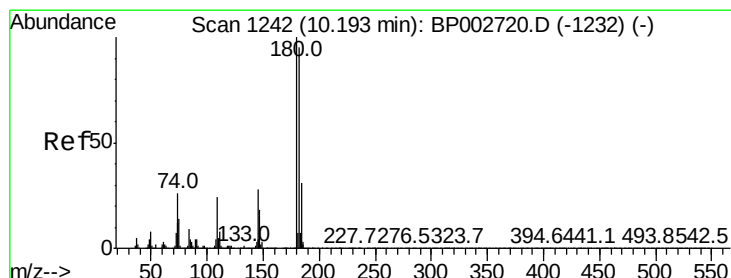
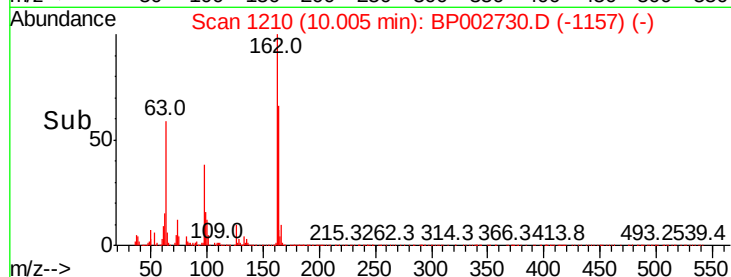
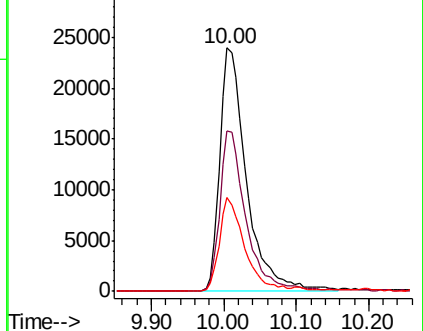
98 38.3 15.2 55.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BP0



#30

1,2,4-Trichlorobenzene

Concen: 6.856 ng

RT: 10.19 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

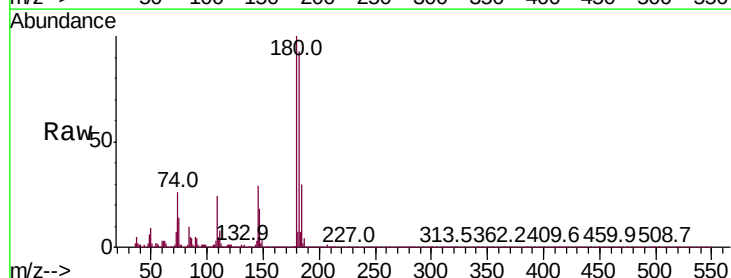
Tgt Ion:180 Resp: 77776

Ion Ratio Lower Upper

180 100

182 93.5 75.8 113.6

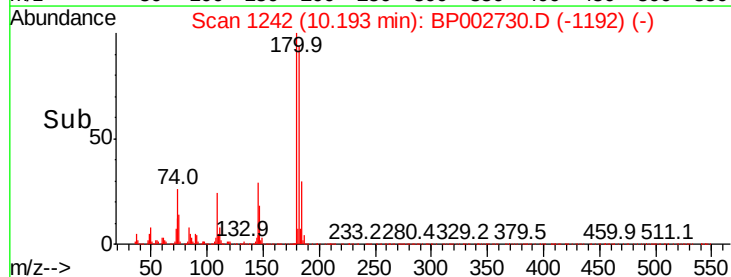
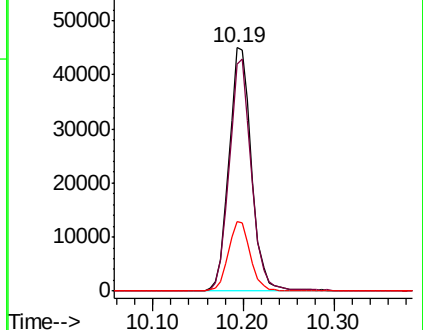
145 28.5 22.6 34.0

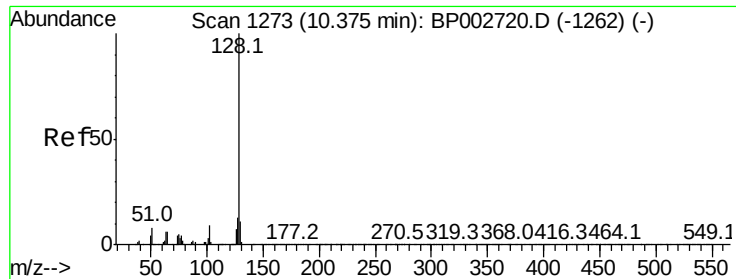


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 7.085 ng

RT: 10.38 min Scan# 1273

Delta R.T. 0.00 min

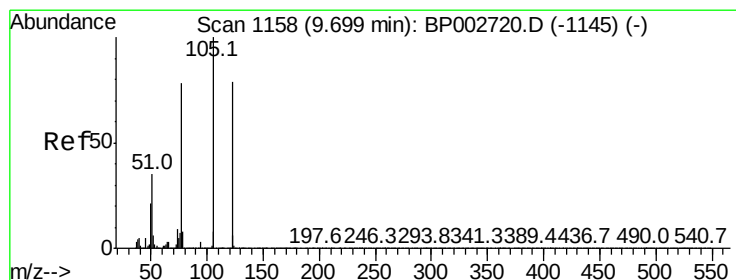
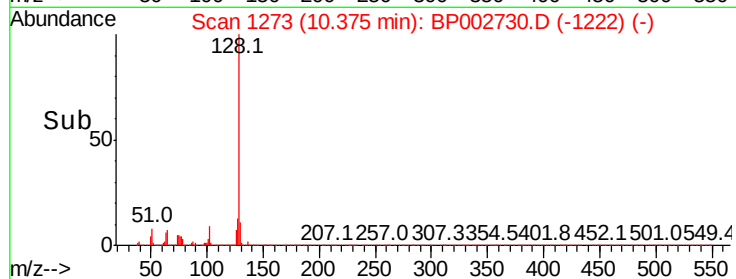
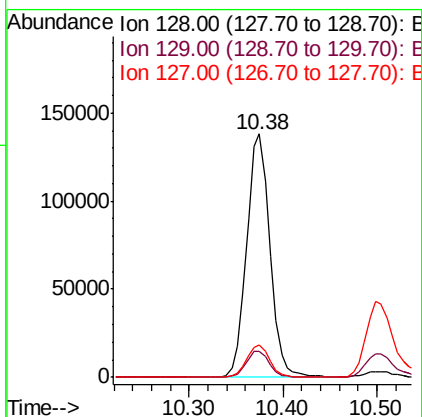
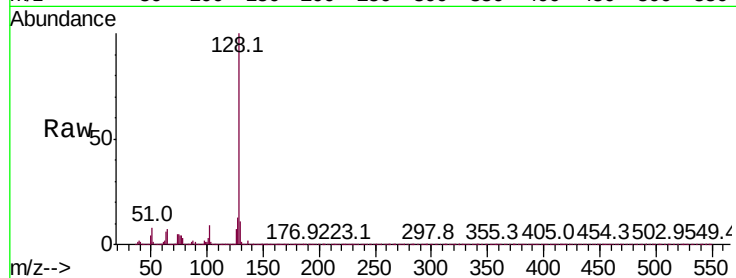
Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:128 Resp: 236670

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	13.1	10.6	15.8



#32

Benzoic acid

Concen: 7.894 ng

RT: 9.68 min Scan# 1155

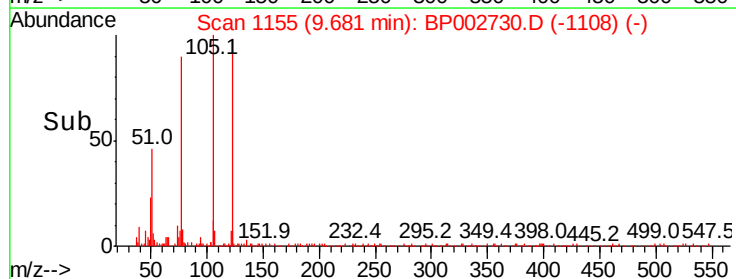
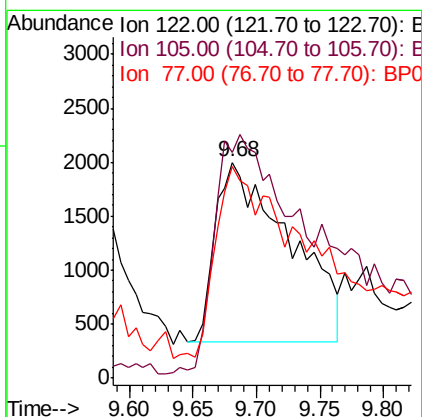
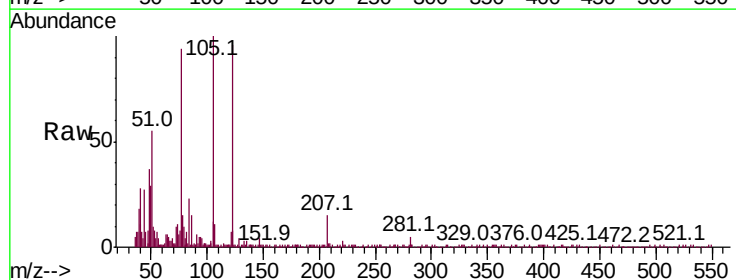
Delta R.T. -0.02 min

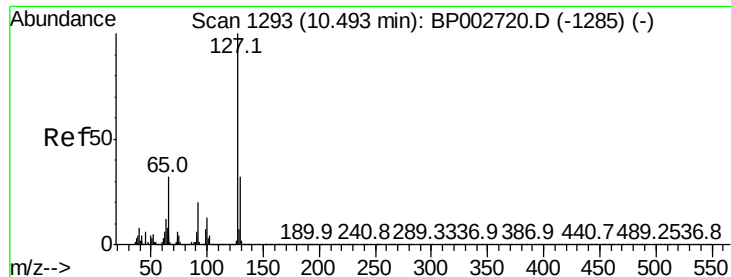
Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Tgt Ion:122 Resp: 6782

Ion	Ratio	Lower	Upper
122	100		
105	104.7	105.4	145.4#
77	98.0	78.5	118.5

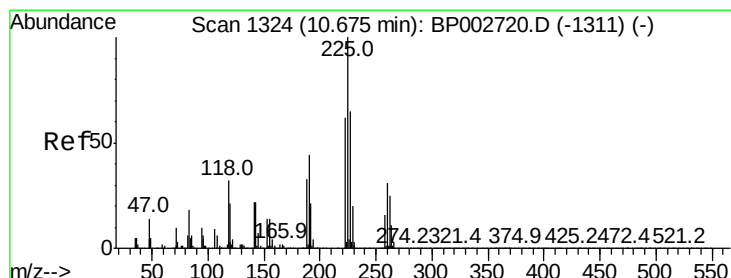
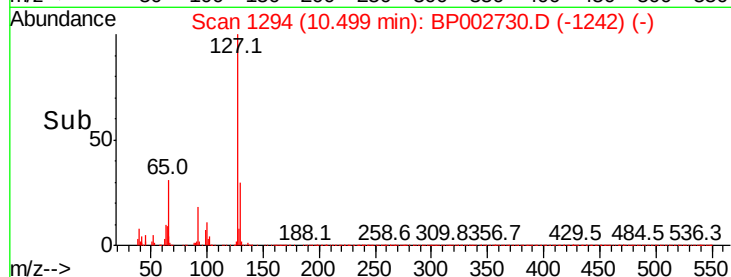
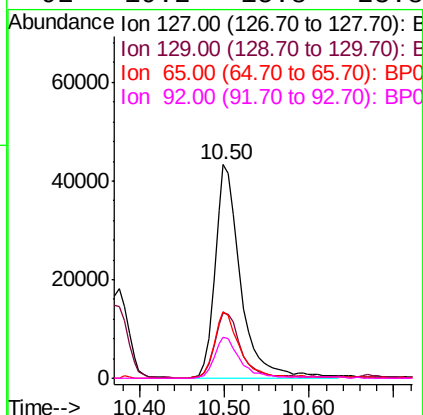
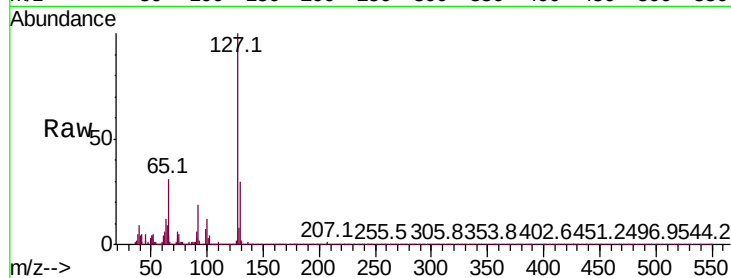




#33
4-Chloroaniline
Concen: 6.368 ng
RT: 10.50 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

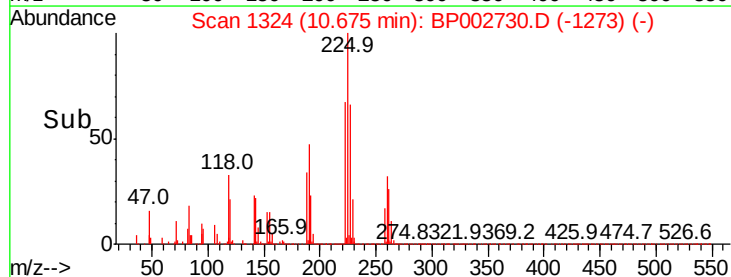
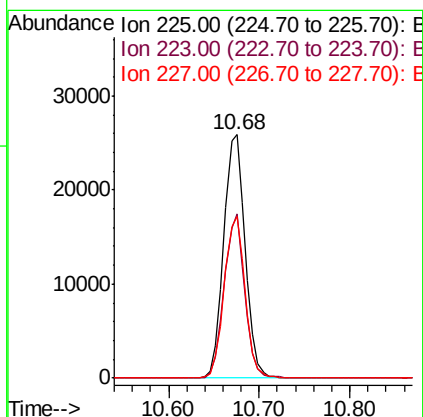
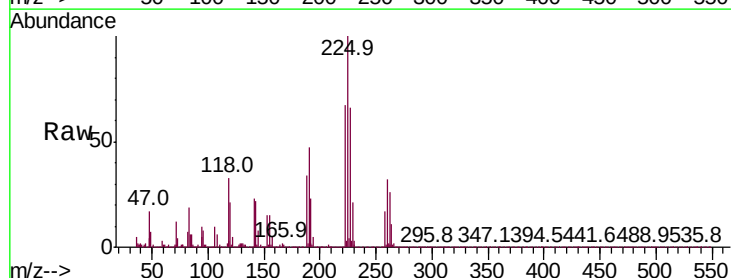
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

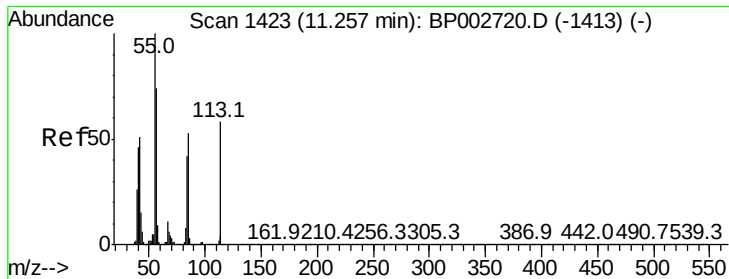
Tot Ion:	127	Resp:	91150
Ion	Ratio	Lower	Upper
127	100		
129	30.5	25.3	37.9
65	31.4	25.4	38.2
92	19.2	15.8	23.8



#34
Hexachlorobutadiene
Concen: 6.445 ng
RT: 10.68 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:	225	Resp:	42259
Ion	Ratio	Lower	Upper
225	100		
223	67.4	49.9	74.9
227	66.3	51.8	77.6

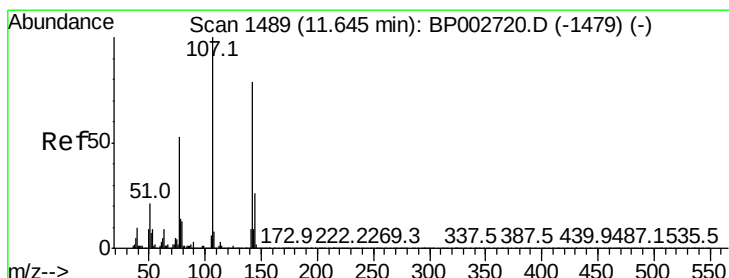
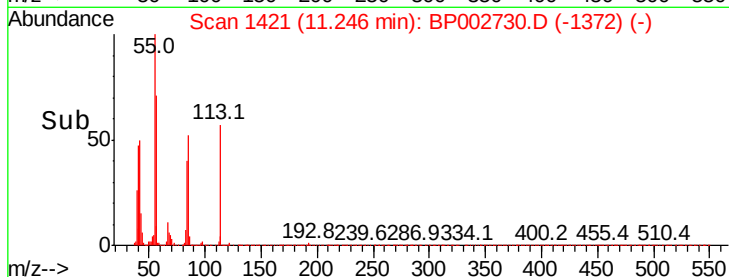
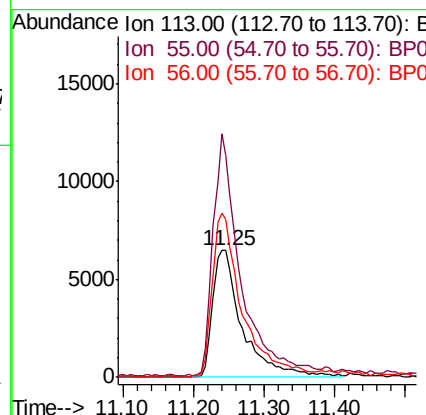
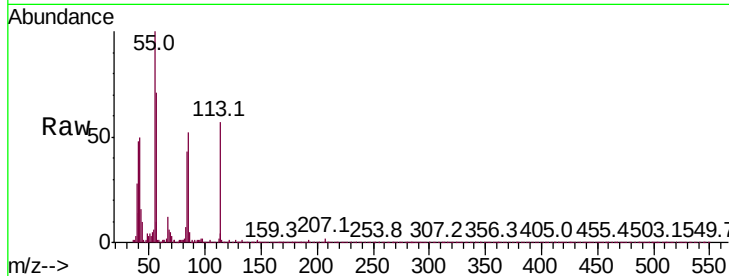




#35
Caprolactam
Concen: 5.511 ng
RT: 11.25 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

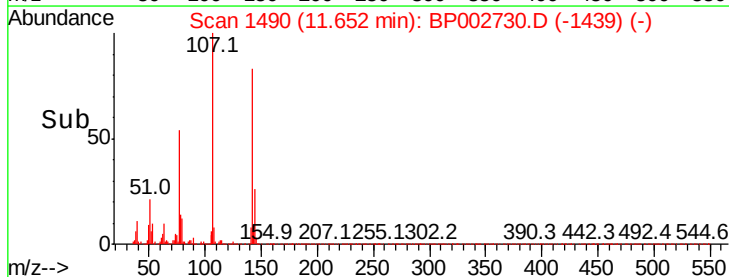
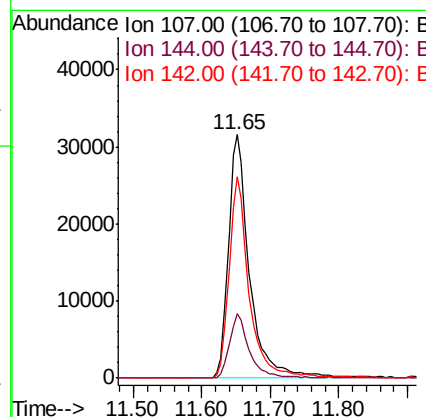
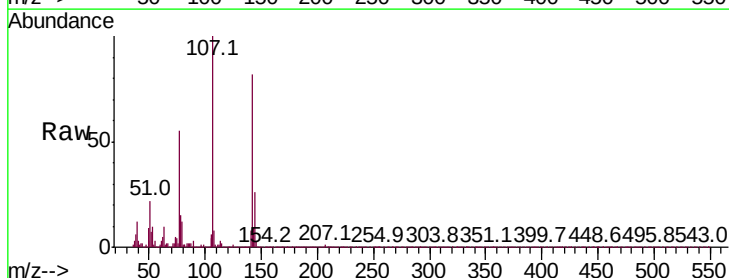
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

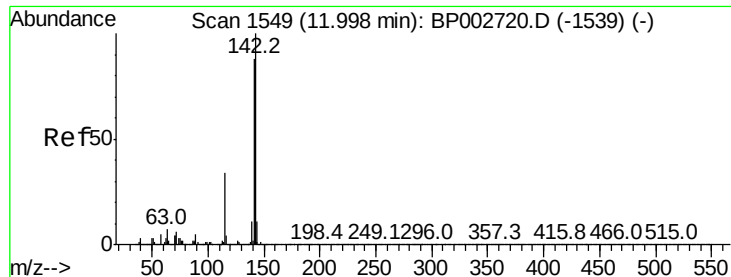
Tot Ion:113 Resp: 19084
Ion Ratio Lower Upper
113 100
55 174.9 152.8 192.8
56 124.3 107.5 147.5



#36
4-Chloro-3-methylphenol
Concen: 6.277 ng
RT: 11.65 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:107 Resp: 67019
Ion Ratio Lower Upper
107 100
144 26.4 20.6 30.8
142 82.5 63.4 95.2

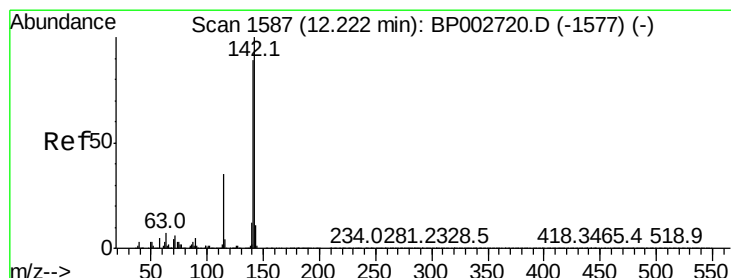
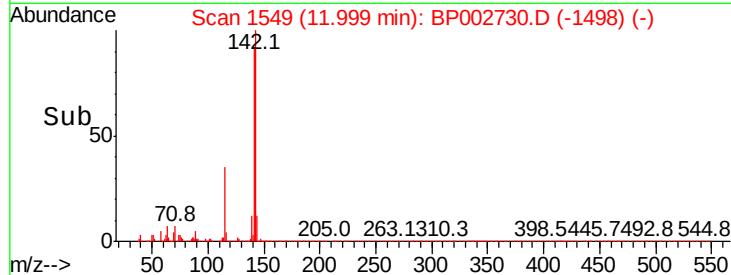
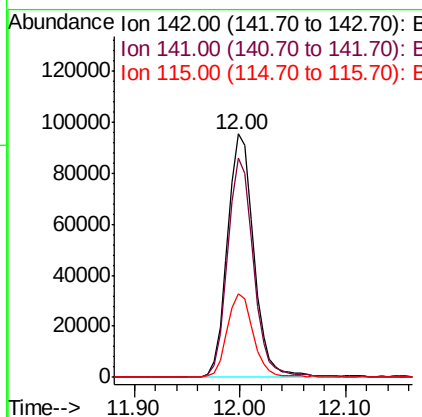
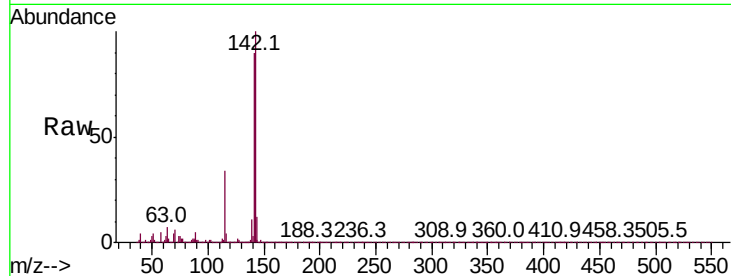




#37
2-Methylnaphthalene
Concen: 7.011 ng
RT: 12.00 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

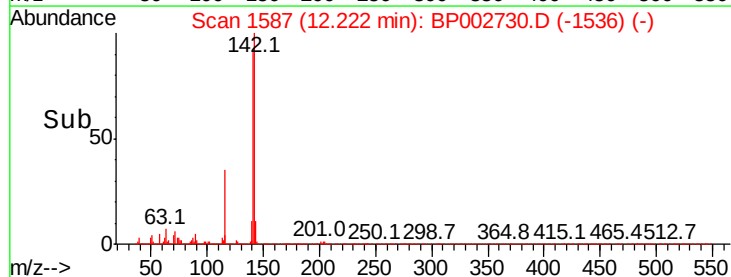
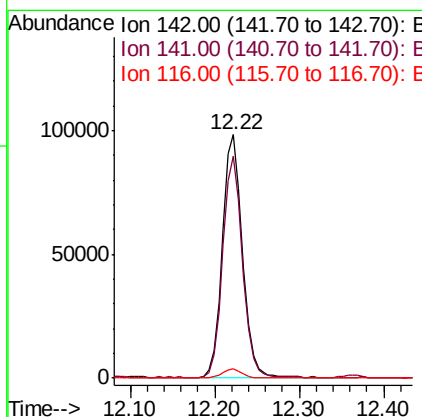
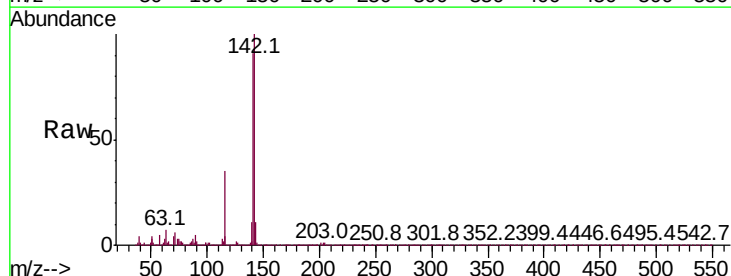
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

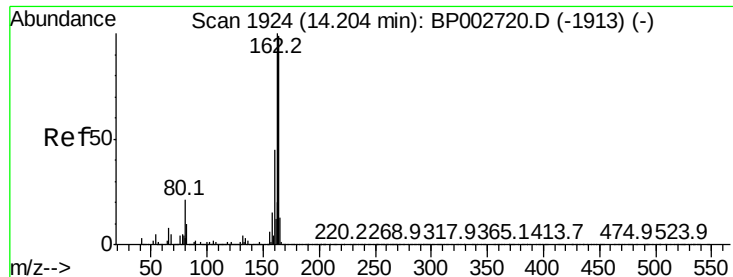
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.4	105.6
115	34.5	27.0	40.6



#38
1-Methylnaphthalene
Concen: 7.203 ng
RT: 12.22 min Scan# 1587
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.5	107.3
116	3.8	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: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

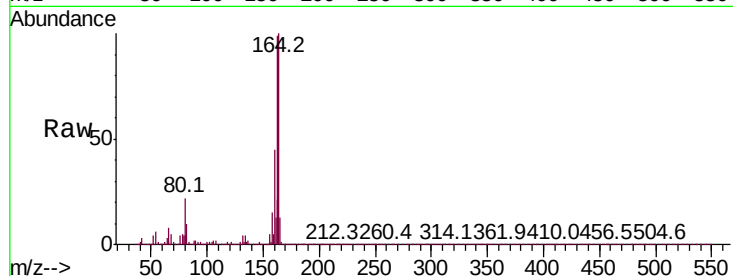
Tot Ion:164 Resp: 406833

Ion Ratio Lower Upper

164 100

162 99.2 80.6 121.0

160 44.7 36.4 54.6

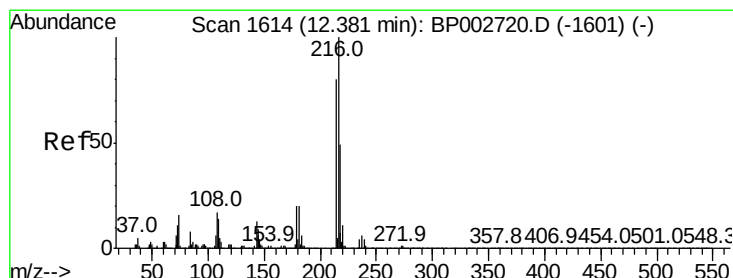
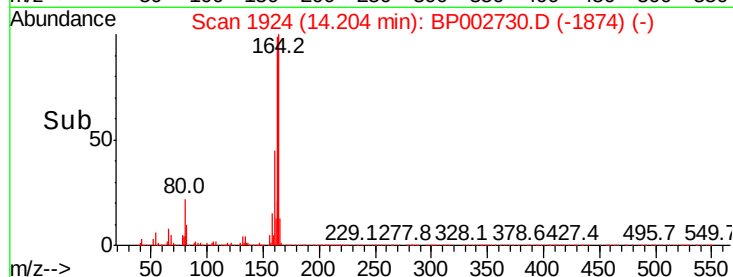
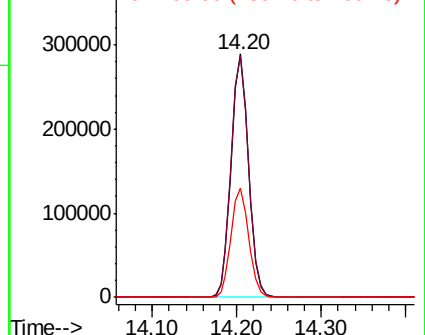


Abundance

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: 7.098 ng

RT: 12.38 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Tgt Ion:216 Resp: 88741

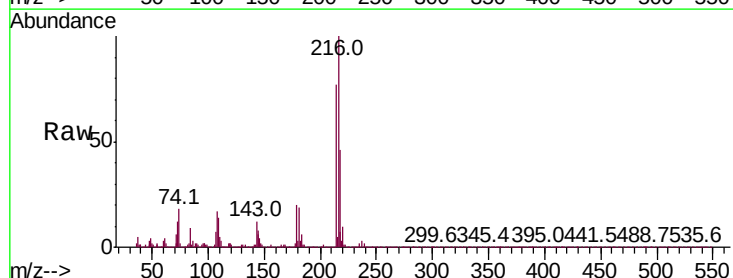
Ion Ratio Lower Upper

216 100

214 77.4 63.4 95.2

179 19.8 16.2 24.2

108 17.9 14.8 22.2



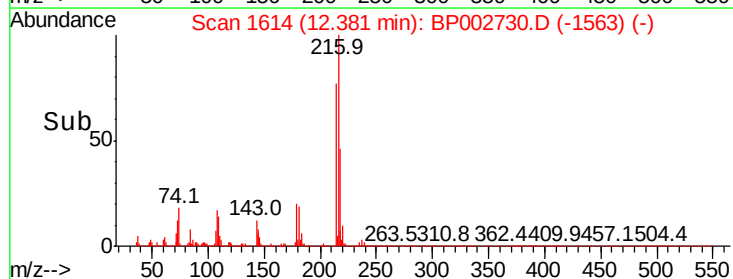
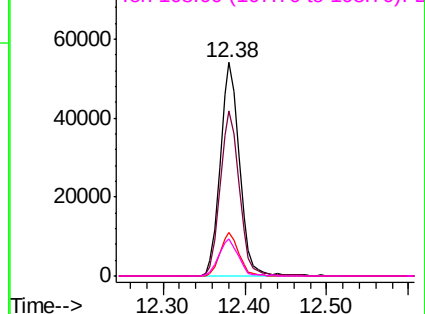
Abundance

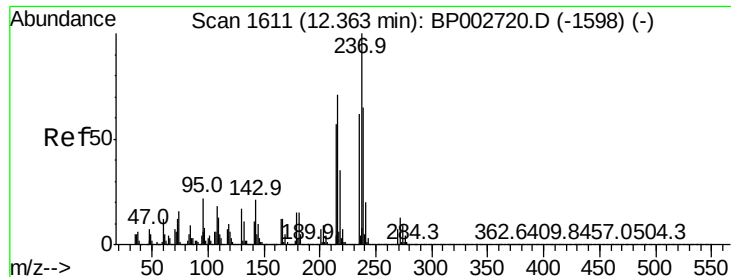
Ion 216.00 (215.70 to 216.70): E

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

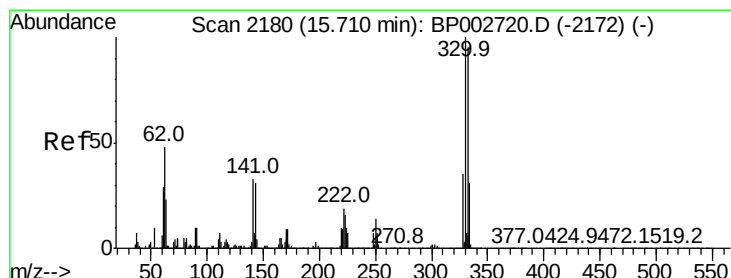
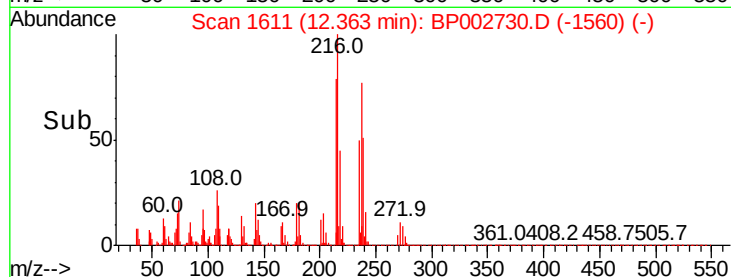
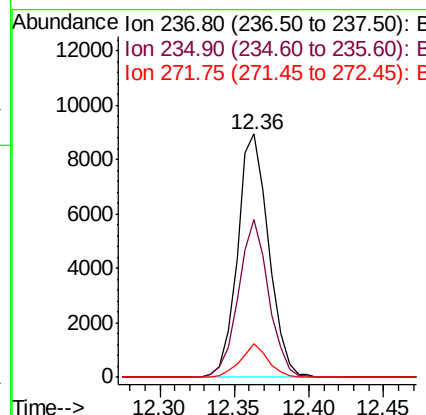
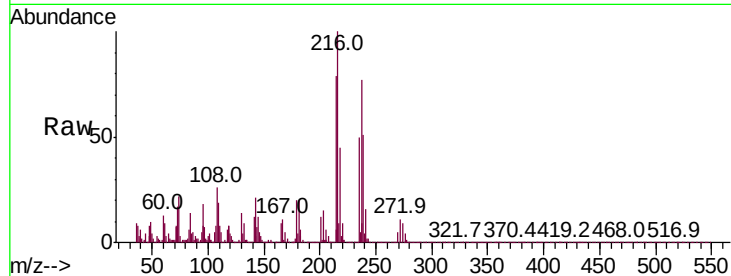




#41
Hexachlorocyclopentadiene
Concen: 9.561 ng
RT: 12.36 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

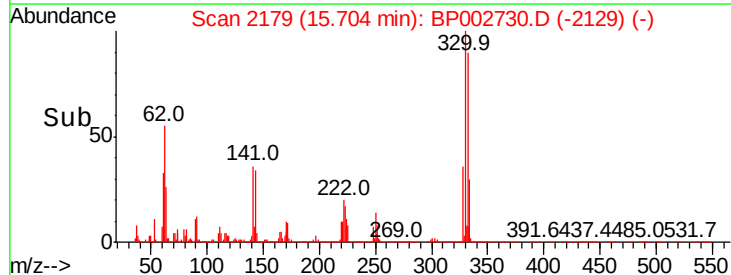
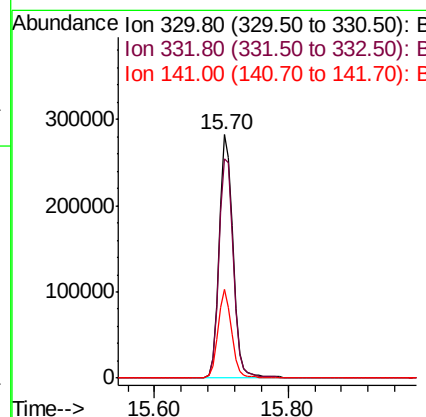
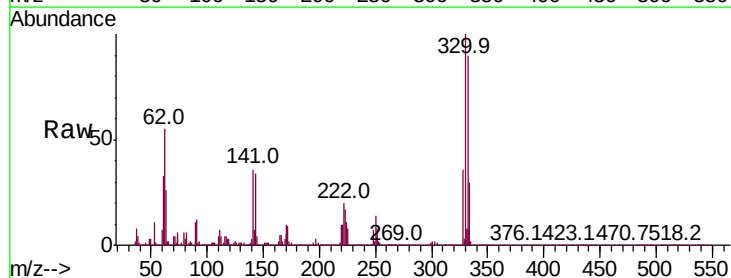
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

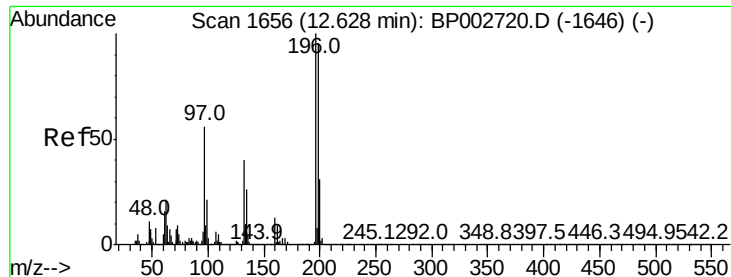
Tot Ion	Ratio	Lower	Upper
237	100		
235	64.9	42.3	82.3
272	14.1	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 98.467 ng
RT: 15.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.5	114.7
141	35.9	28.8	43.2

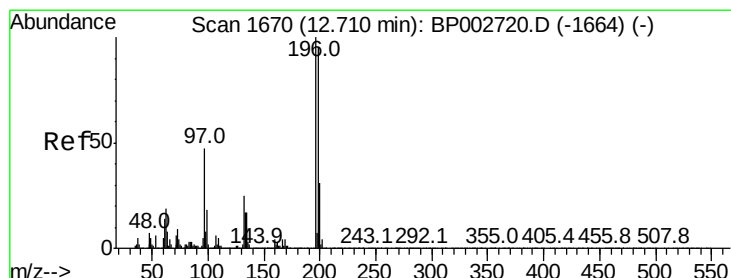
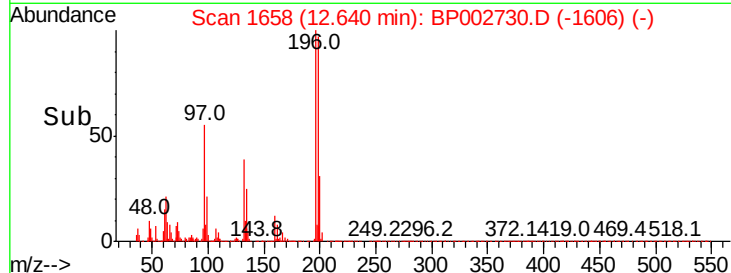
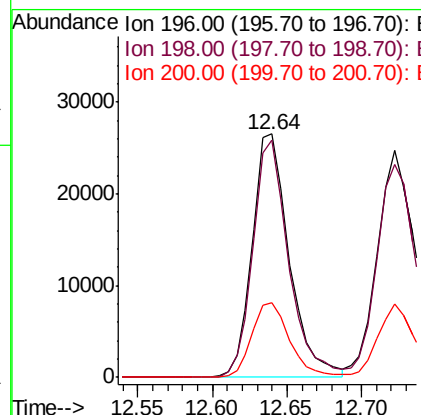
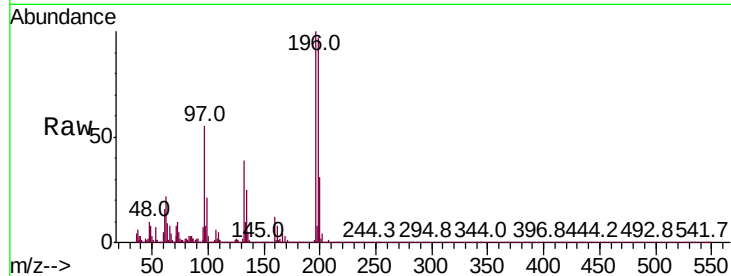




#43
 2,4,6-Trichlorophenol
 Concen: 5.686 ng
 RT: 12.64 min Scan# 1658
 Delta R.T. 0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

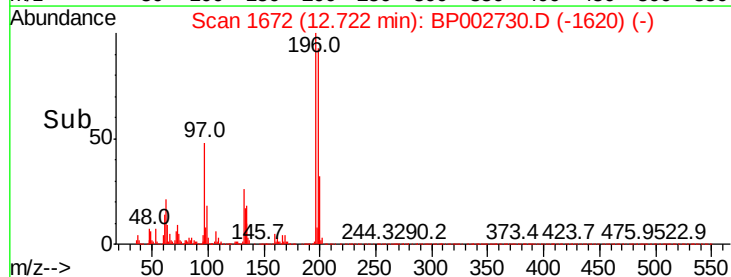
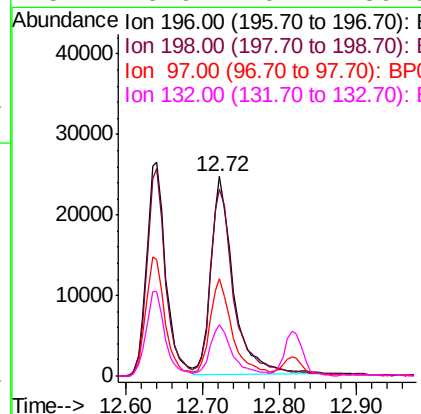
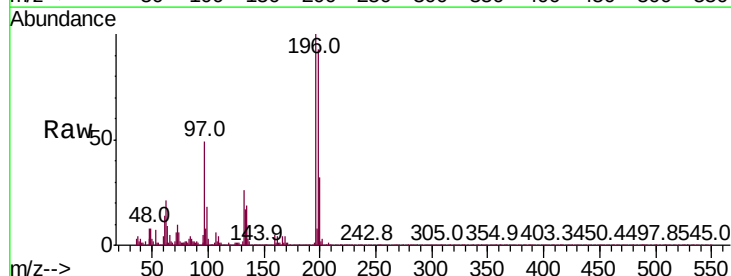
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

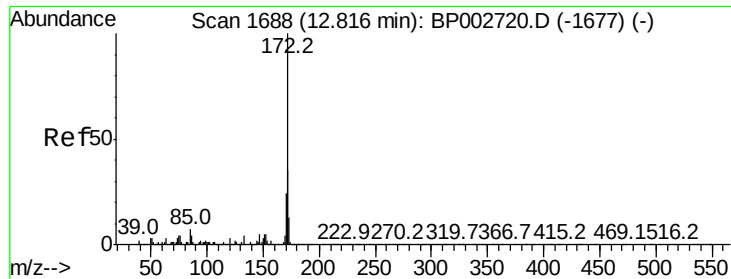
Tot Ion:196 Resp: 45504
 Ion Ratio Lower Upper
 196 100
 198 97.2 75.8 113.6
 200 30.8 24.5 36.7



#44
 2,4,5-Trichlorophenol
 Concen: 5.420 ng
 RT: 12.72 min Scan# 1672
 Delta R.T. 0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

Tgt Ion:196 Resp: 50311
 Ion Ratio Lower Upper
 196 100
 198 93.5 75.8 113.6
 97 48.6 38.0 57.0
 132 25.9 20.4 30.6

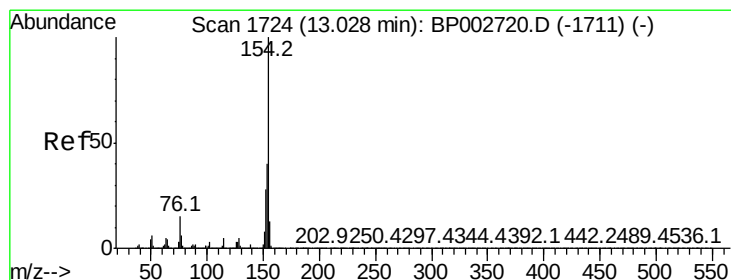
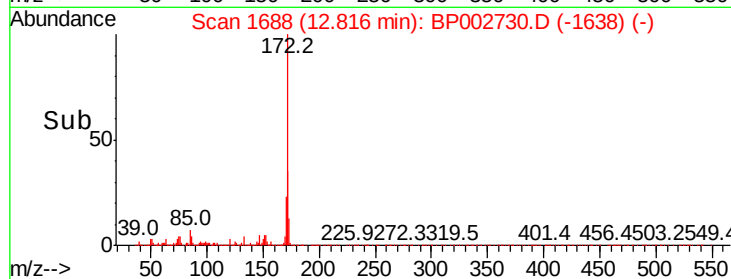
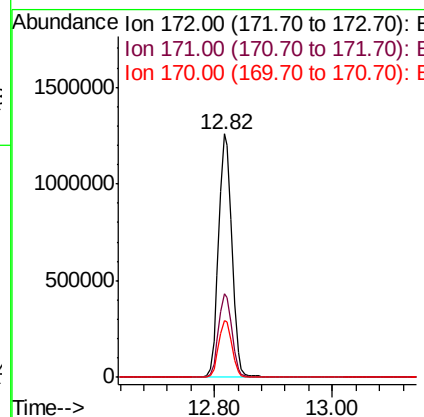
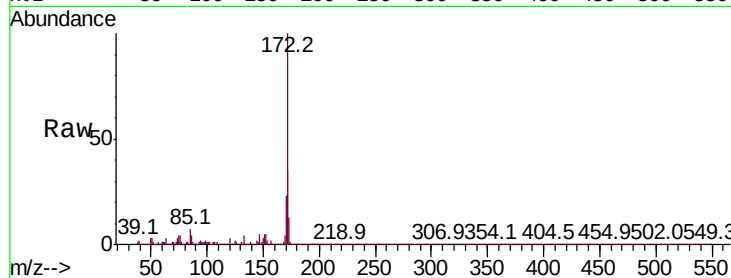




#45
2-Fluorobiphenyl
Concen: 75.549 ng
RT: 12.82 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

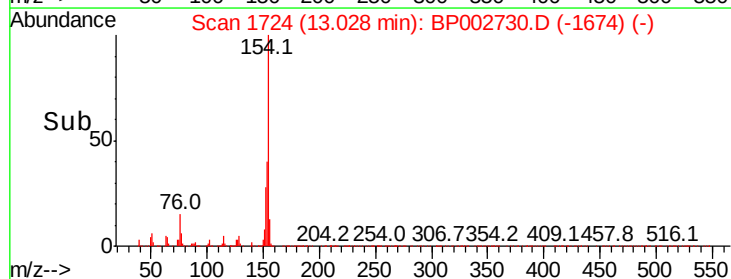
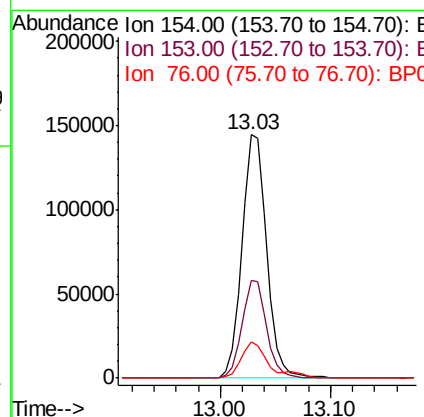
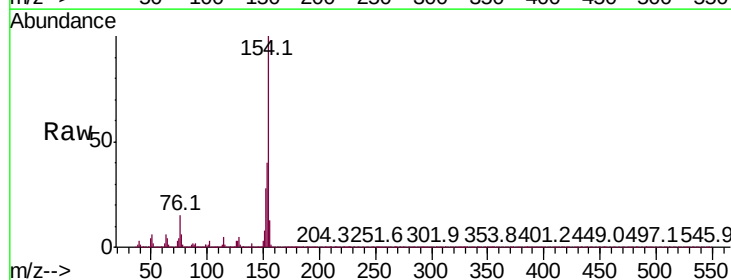
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

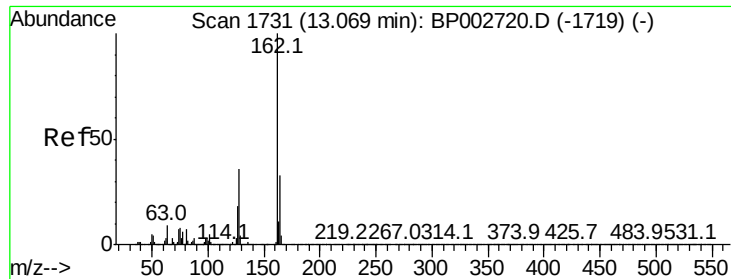
Tot Ion:172 Resp: 1986835
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.4 19.3 28.9



#46
1,1'-Biphenyl
Concen: 7.498 ng
RT: 13.03 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:154 Resp: 227428
Ion Ratio Lower Upper
154 100
153 40.2 19.8 59.8
76 15.0 0.0 34.7

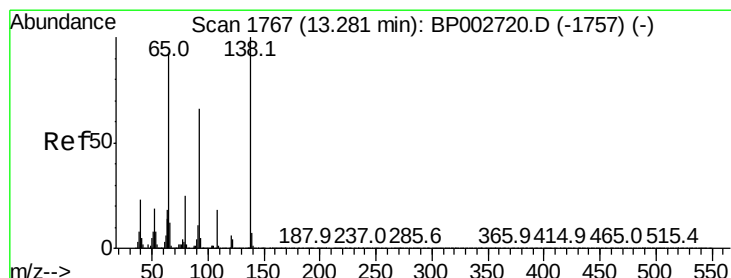
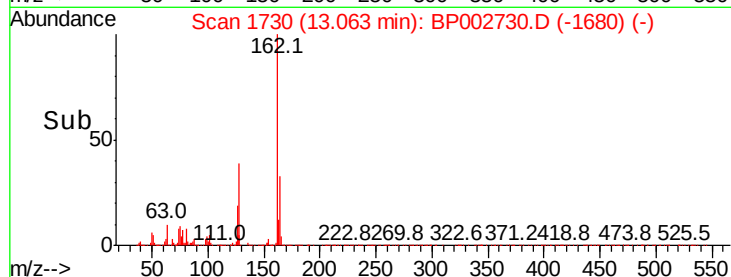
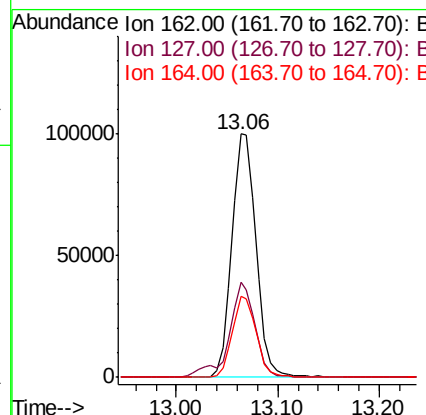
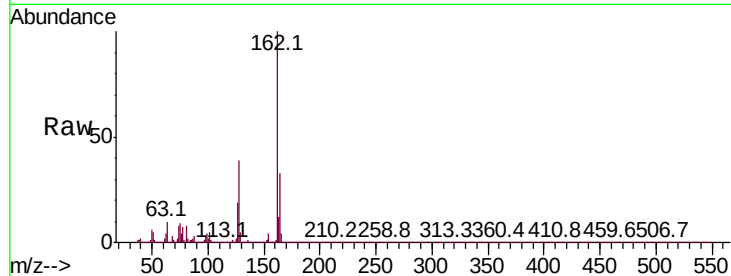




#47
2-Chloronaphthalene
Concen: 6.734 ng
RT: 13.06 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

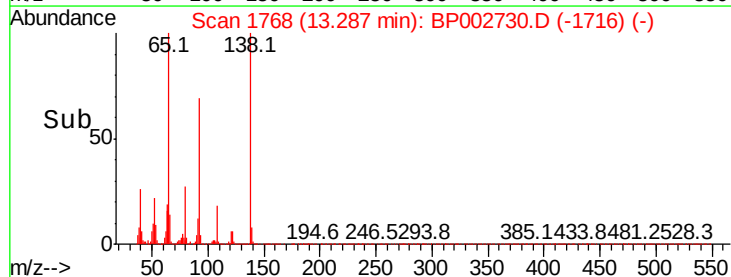
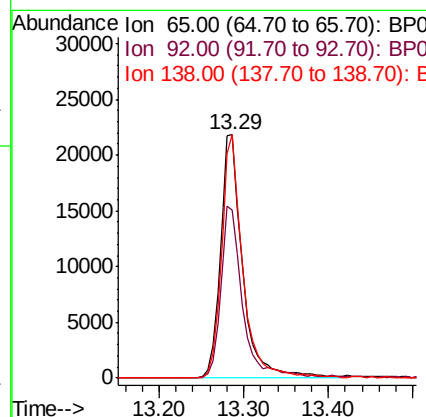
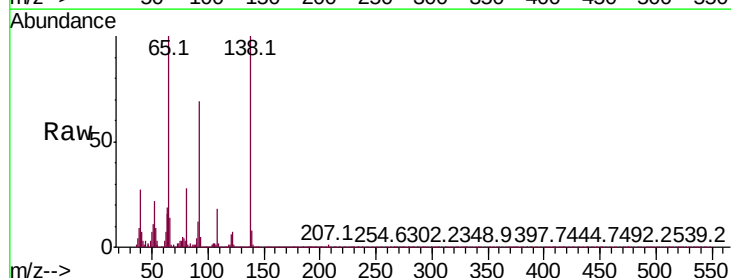
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

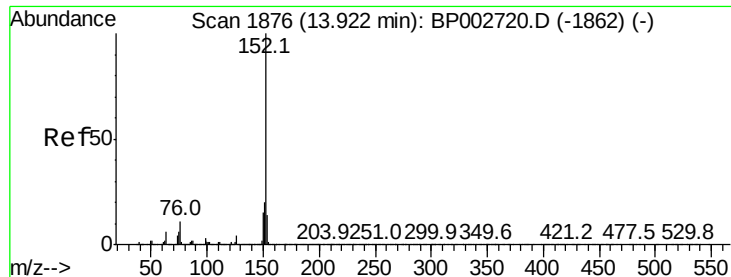
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.2	29.0	43.4
164	33.2	26.8	40.2



#48
2-Nitroaniline
Concen: 5.258 ng
RT: 13.29 min Scan# 1768
Delta R.T. 0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.1	57.0	85.6
138	100.1	86.0	129.0





#49

Acenaphthylene

Concen: 6.797 ng

RT: 13.92 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

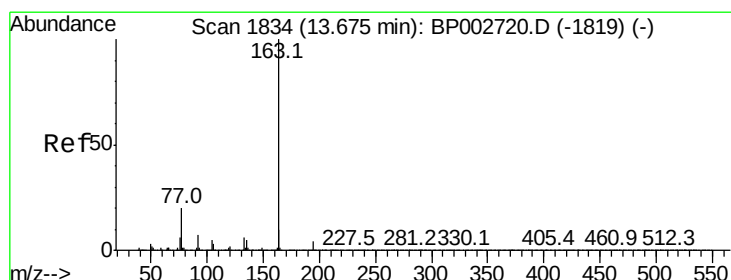
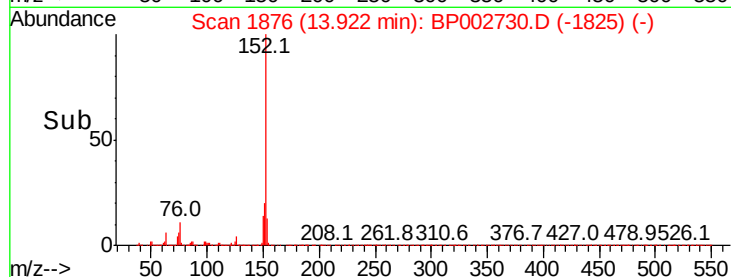
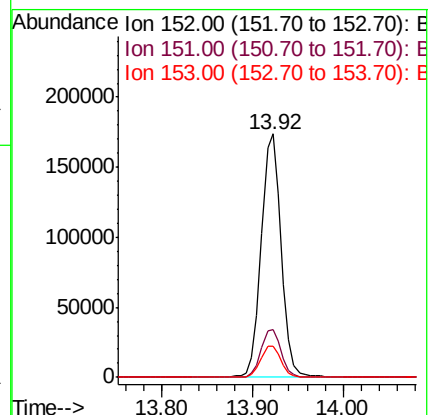
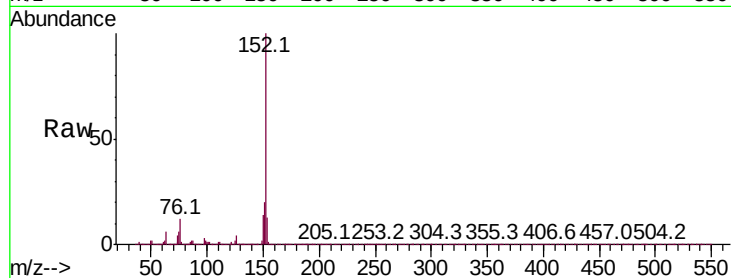
Tot Ion:152 Resp: 263948

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

153 13.0 10.9 16.3



#50

Dimethylphthalate

Concen: 6.665 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

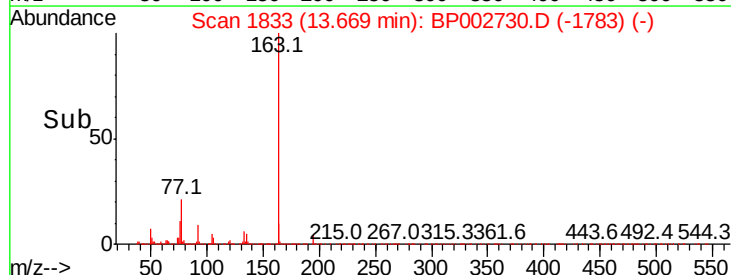
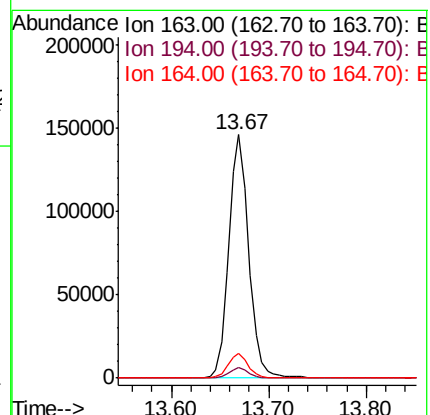
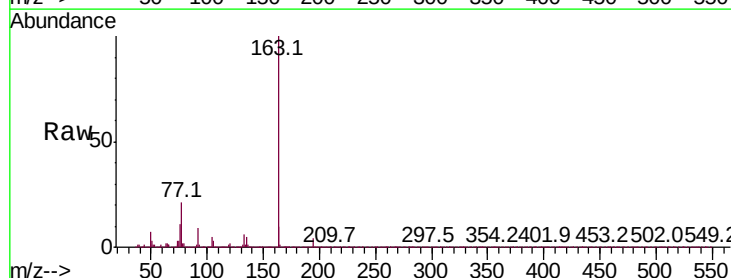
Tgt Ion:163 Resp: 206780

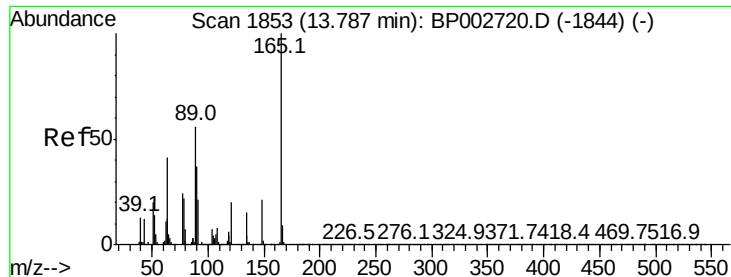
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.0 7.8 11.8

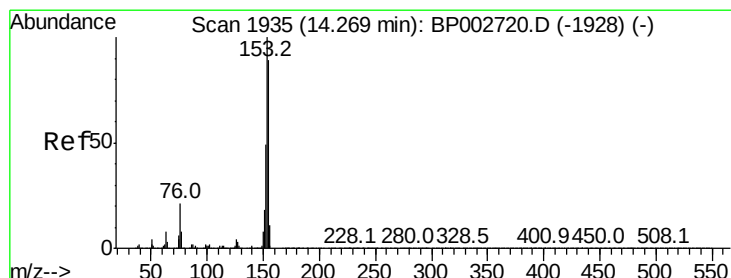
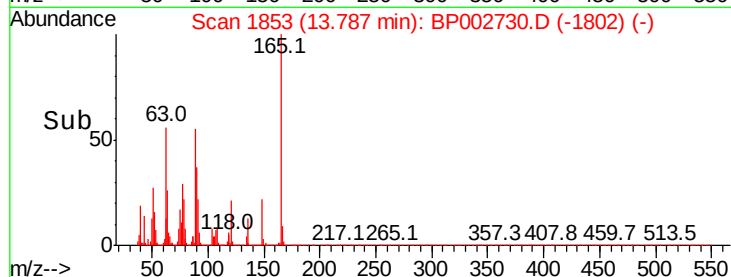
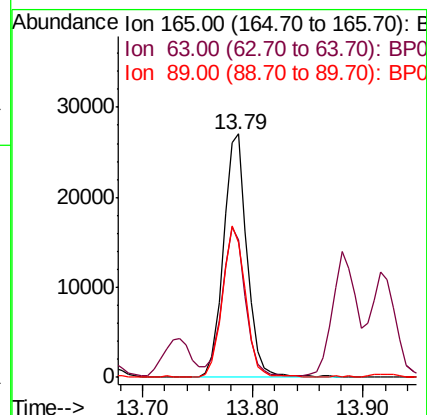
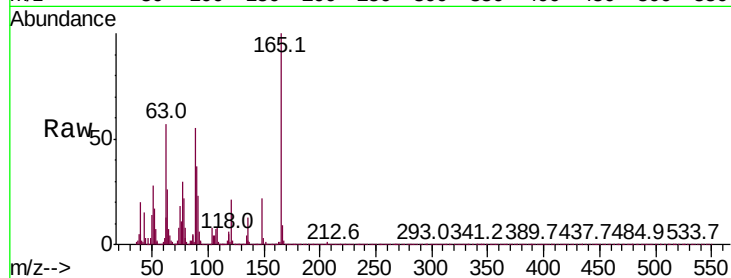




#51
2,6-Dinitrotoluene
Concen: 6.023 ng
RT: 13.79 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

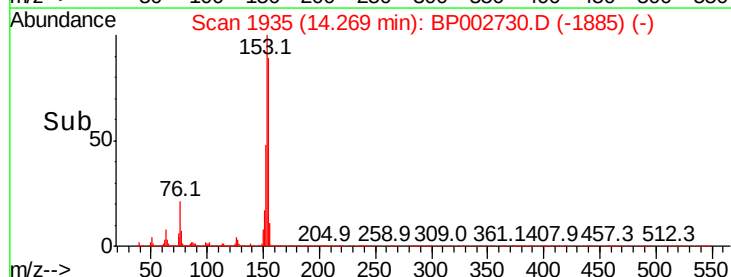
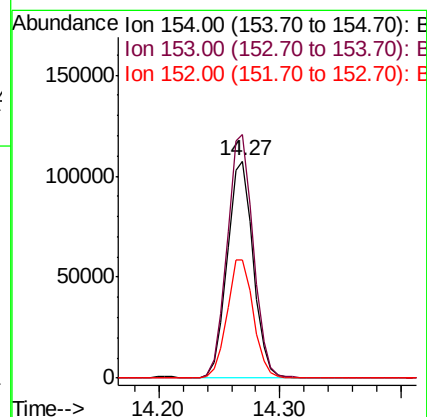
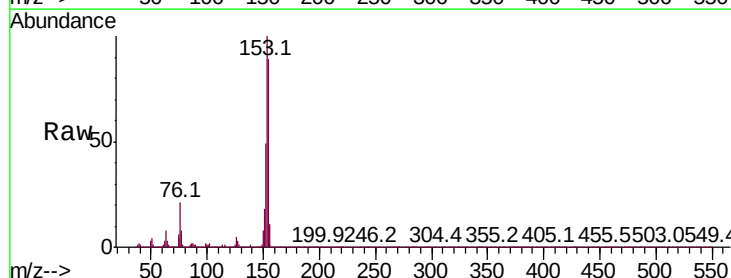
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

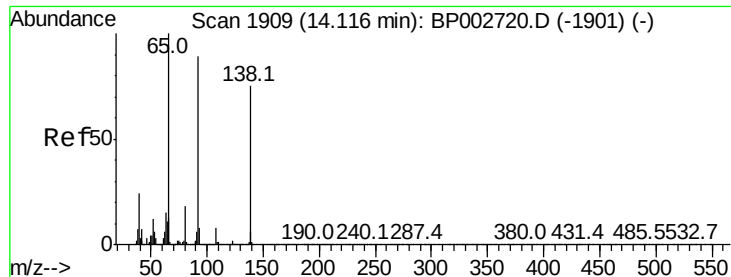
Tot Ion:165 Resp: 40008
Ion Ratio Lower Upper
165 100
63 56.6 43.2 64.8
89 55.2 44.6 67.0



#52
Acenaphthene
Concen: 6.853 ng
RT: 14.27 min Scan# 1935
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:154 Resp: 159059
Ion Ratio Lower Upper
154 100
153 112.2 90.1 135.1
152 54.5 43.8 65.6

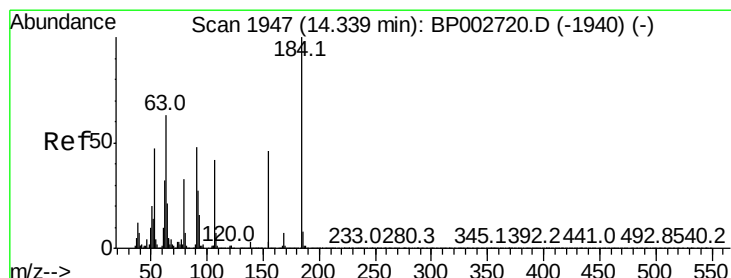
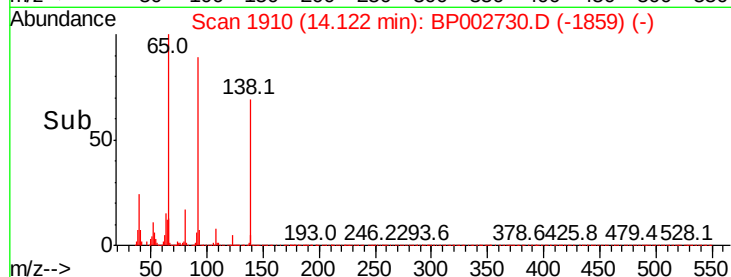
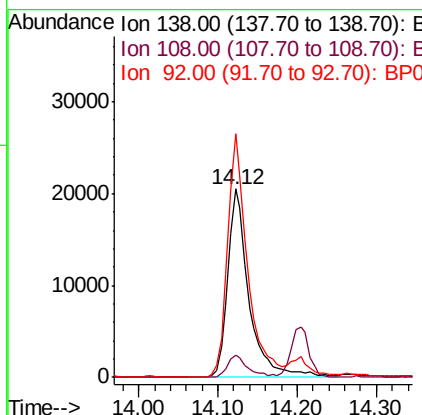
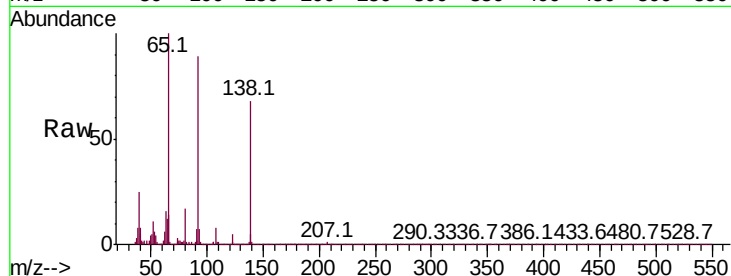




#53
3-Nitroaniline
Concen: 5.116 ng
RT: 14.12 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

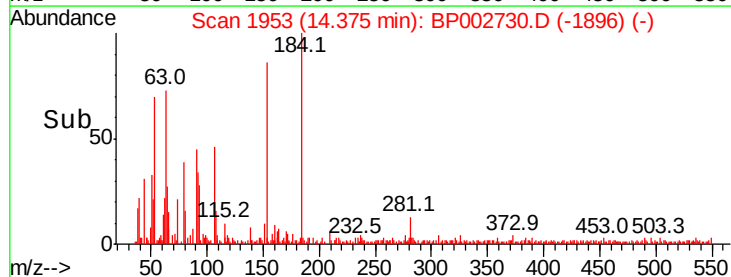
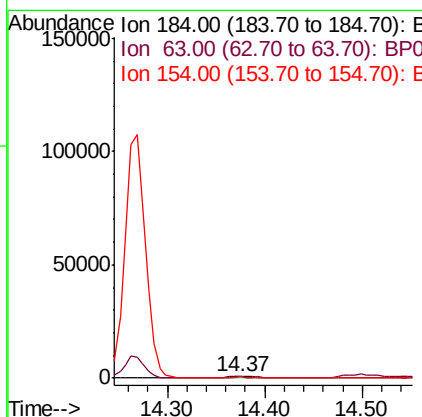
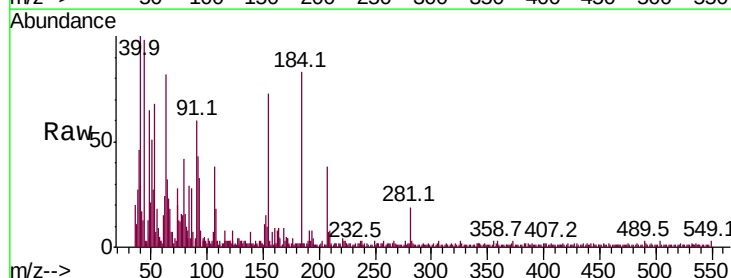
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

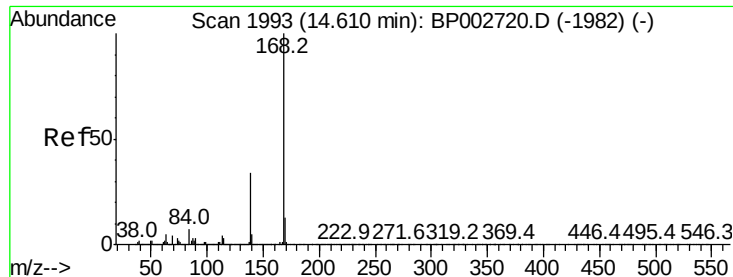
Tot Ion:138 Resp: 38020
Ion Ratio Lower Upper
138 100
108 11.6 8.2 12.2
92 129.5 94.3 141.5



#54
2,4-Dinitrophenol
Concen: 11.937 ng
RT: 14.37 min Scan# 1953
Delta R.T. 0.04 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:184 Resp: 2432
Ion Ratio Lower Upper
184 100
63 98.3 51.6 77.4#
154 87.8 45.0 67.6#

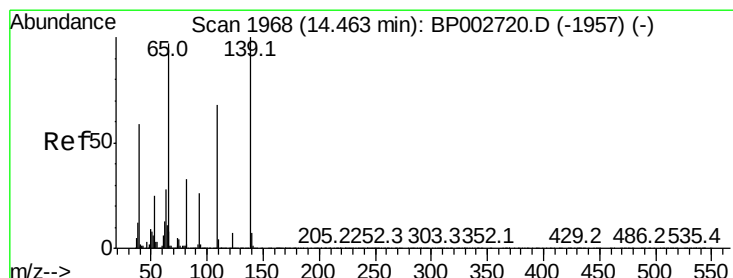
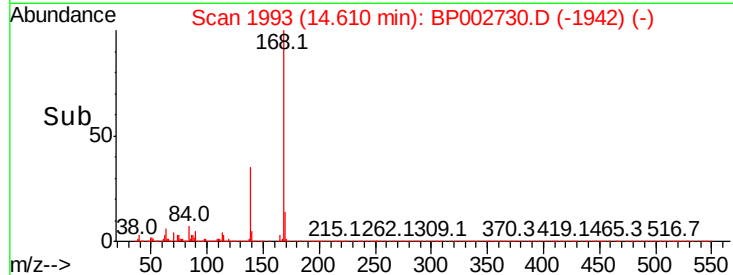
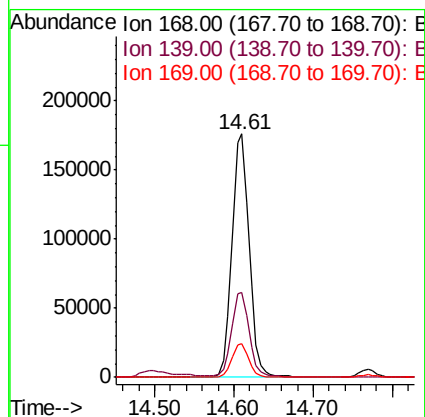
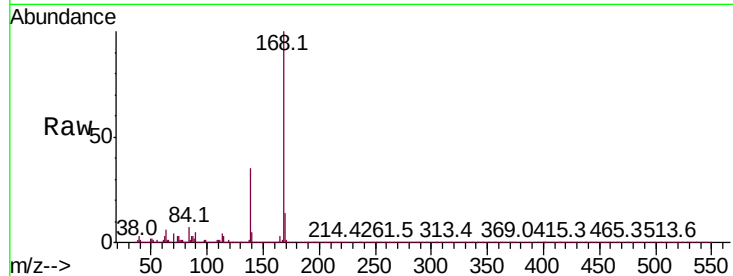




#55
Dibenzenofuran
Concen: 7.097 ng
RT: 14.61 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

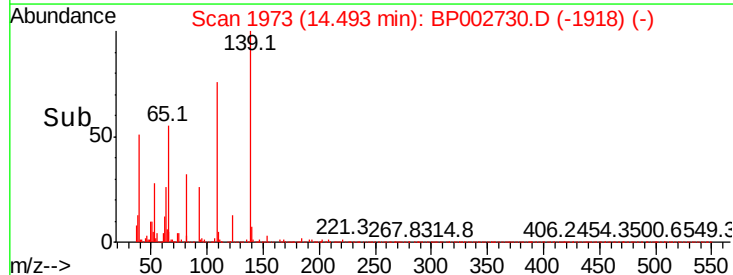
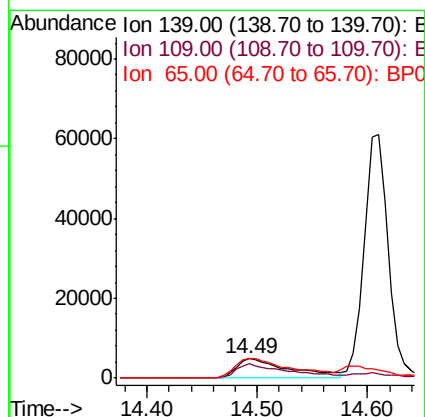
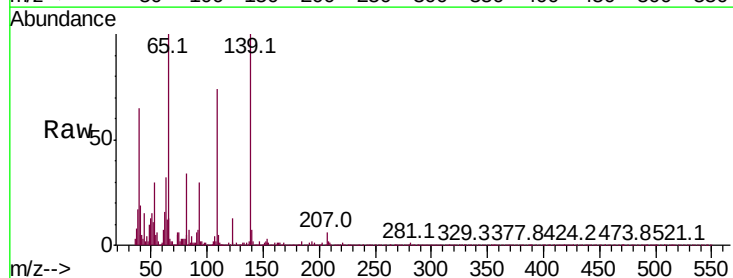
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

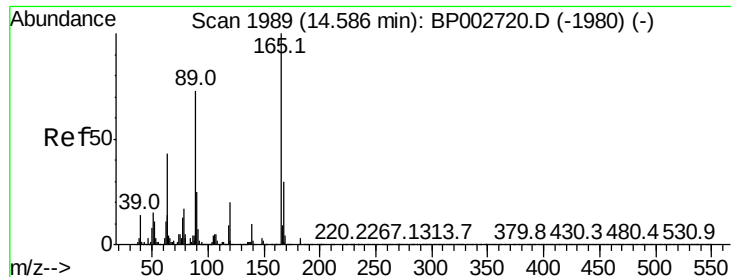
Tot Ion:168 Resp: 264190
Ion Ratio Lower Upper
168 100
139 34.6 27.1 40.7
169 13.6 10.8 16.2



#56
4-Nitrophenol
Concen: 7.556 ng
RT: 14.49 min Scan# 1973
Delta R.T. 0.02 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:139 Resp: 16407
Ion Ratio Lower Upper
139 100
109 74.1 48.1 88.1
65 99.9 77.9 117.9

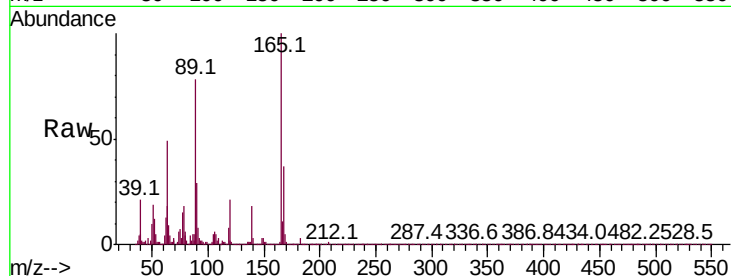




#57
2,4-Dinitrotoluene
Concen: 5.539 ng
RT: 14.59 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
165	100		
63	48.6	35.1	52.7
89	78.1	58.4	87.6
182	2.8	2.2	3.2



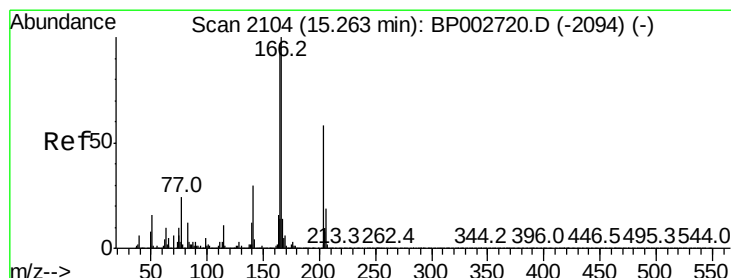
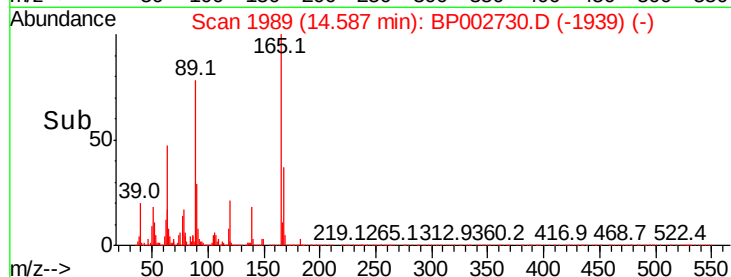
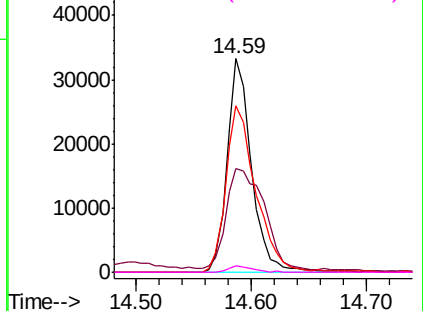
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

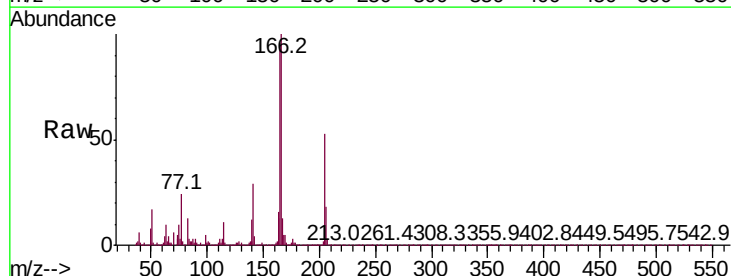
Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 7.421 ng
RT: 15.26 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.4	77.7	116.5
167	13.5	11.0	16.6

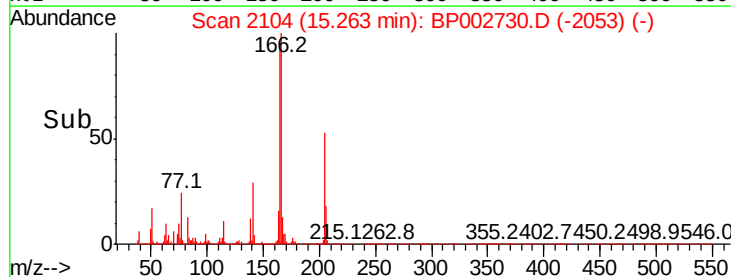
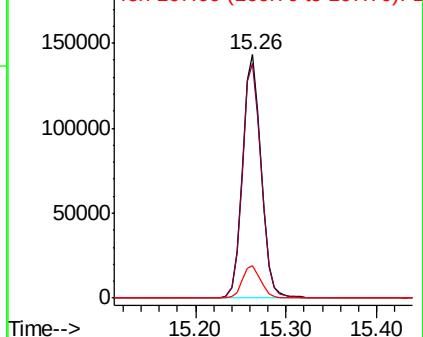


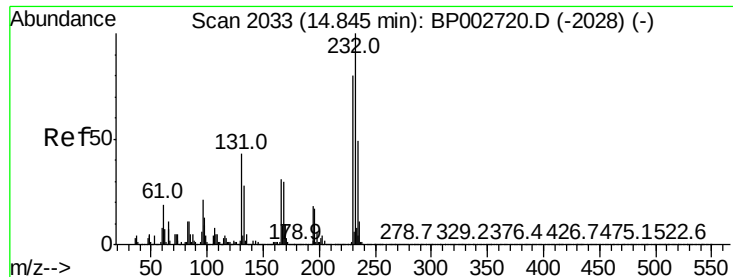
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

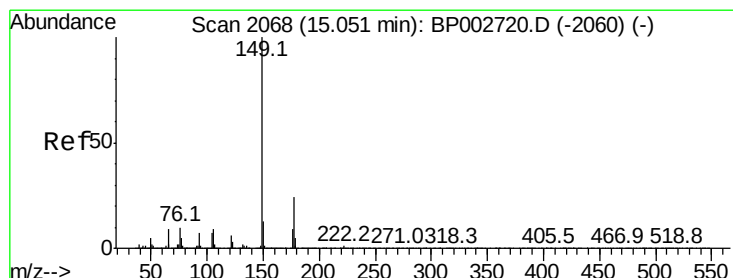
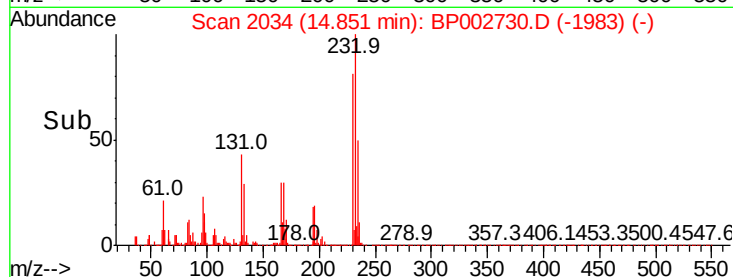
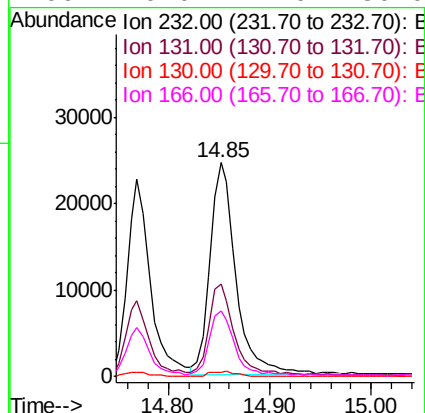
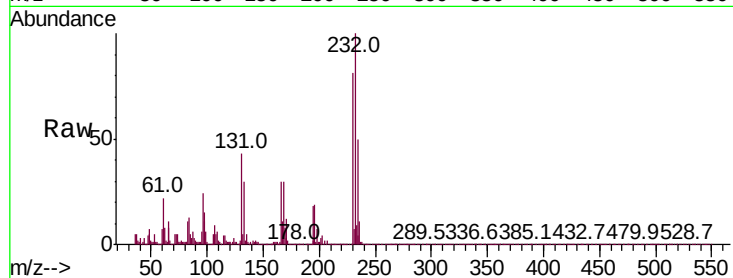




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 5.919 ng
 RT: 14.85 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

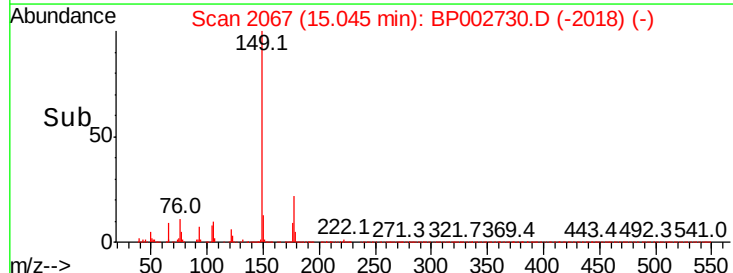
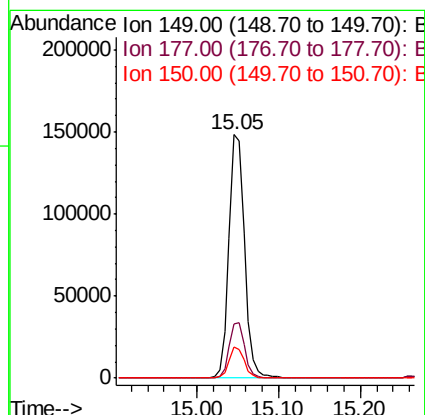
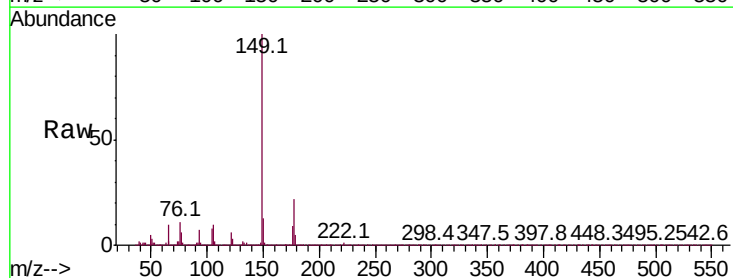
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

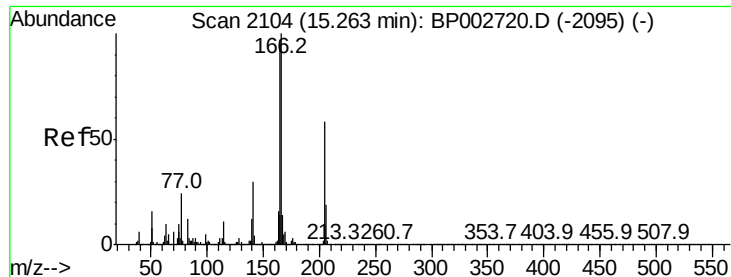
Tot Ion:	232	Resp:	43306
Ion	Ratio	Lower	Upper
232	100		
131	42.0	34.3	51.5
130	2.3	1.8	2.6
166	29.0	24.0	36.0



#60
 Diethylphthalate
 Concen: 6.564 ng
 RT: 15.05 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

Tgt Ion:	149	Resp:	197455
Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.9	28.3
150	12.9	10.1	15.1

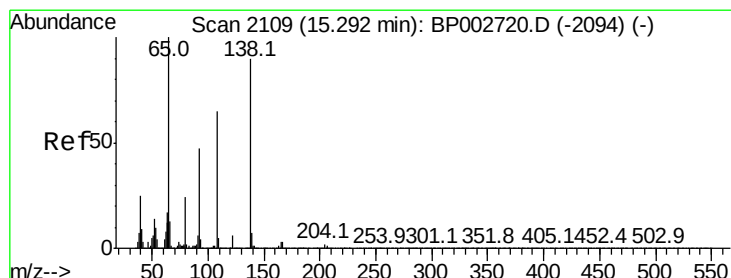
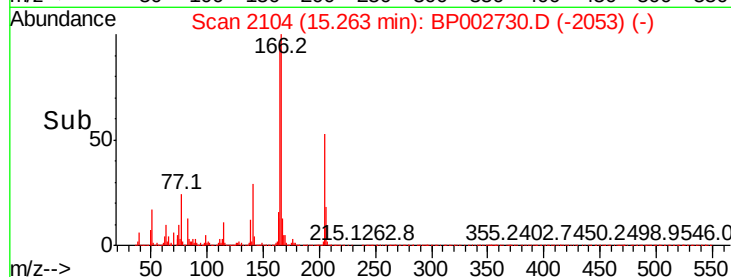
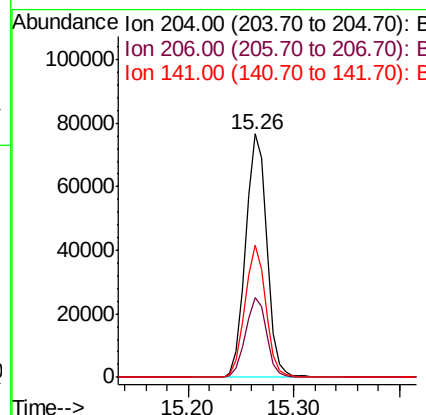
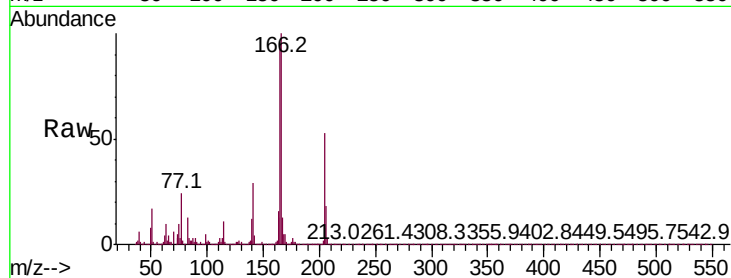




#61
4-Chlorophenyl-phenylether
Concen: 7.228 ng
RT: 15.26 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

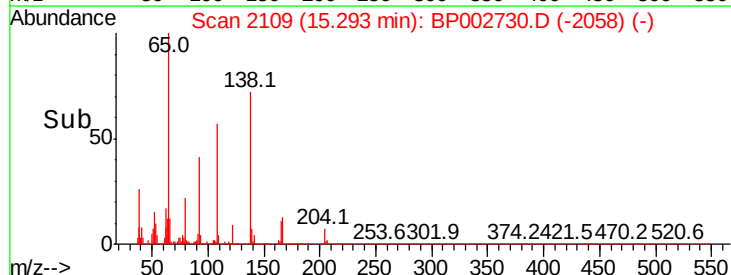
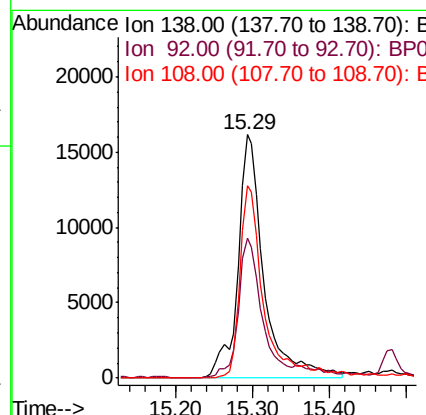
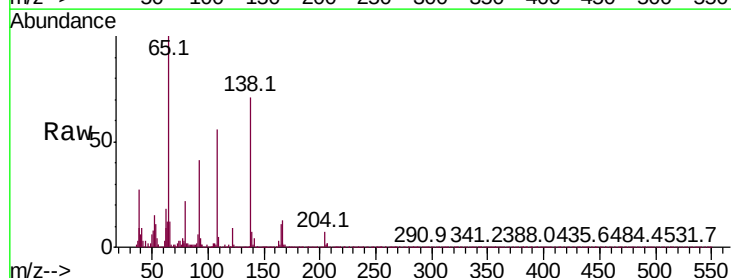
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

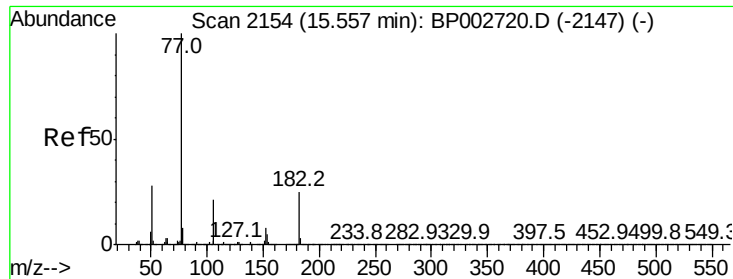
Tot Ion:204 Resp: 105778
Ion Ratio Lower Upper
204 100
206 32.9 26.1 39.1
141 54.3 41.8 62.8



#62
4-Nitroaniline
Concen: 6.077 ng
RT: 15.29 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:138 Resp: 38197
Ion Ratio Lower Upper
138 100
92 57.4 32.0 72.0
108 78.8 52.2 92.2

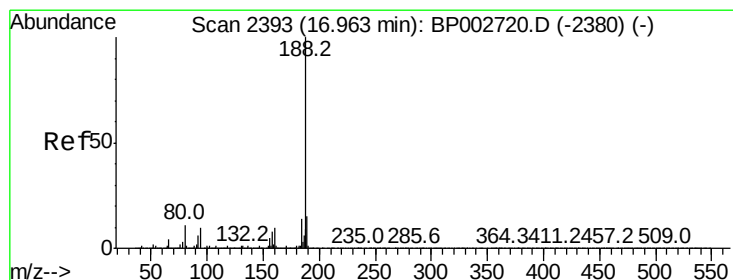
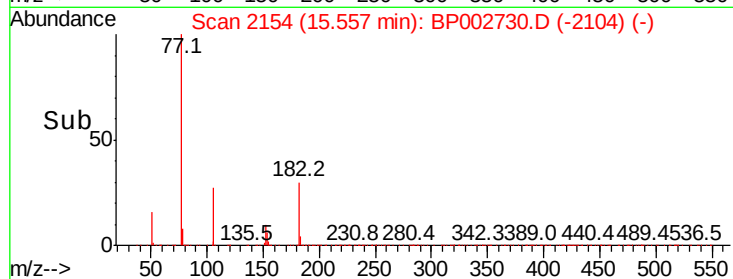
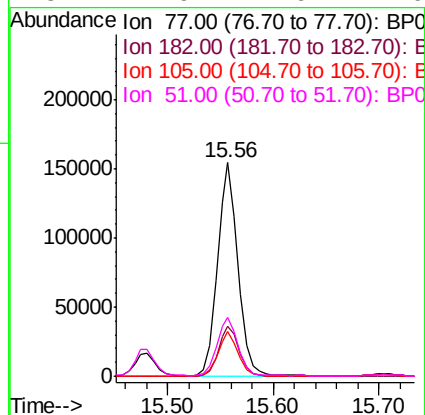
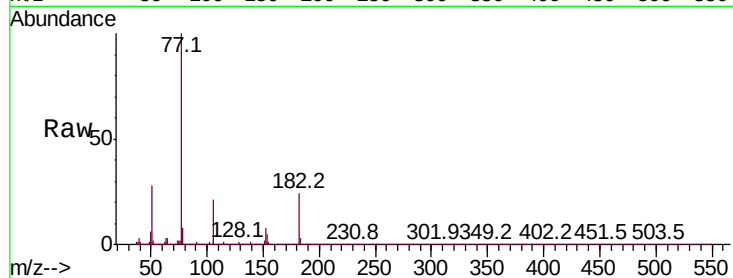




#63
Azobenzene
Concen: 6.709 ng
RT: 15.56 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

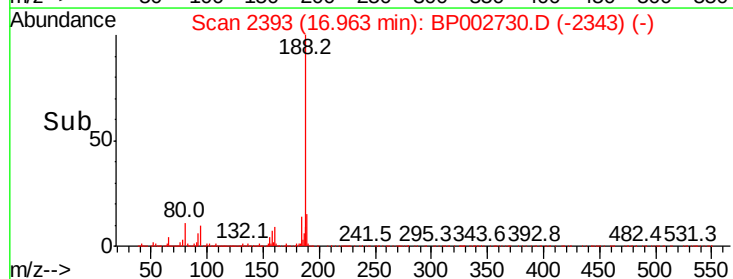
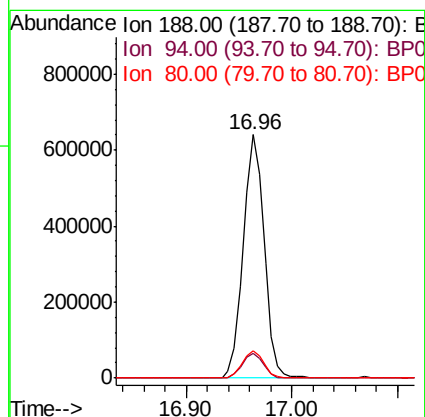
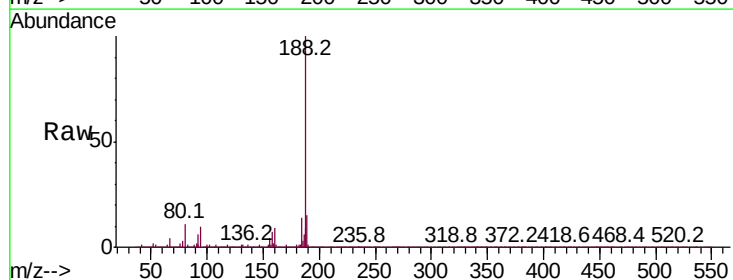
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

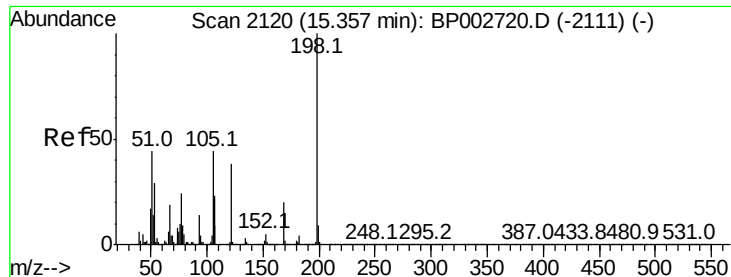
Tot Ion:	77	Resp:	207507
Ion	Ratio	Lower	Upper
77	100		
182	23.6	5.1	45.1
105	20.9	0.8	40.8
51	27.9	7.6	47.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:	188	Resp:	876543
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.3	8.9	13.3

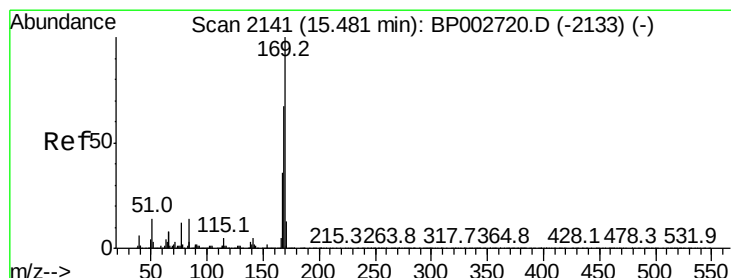
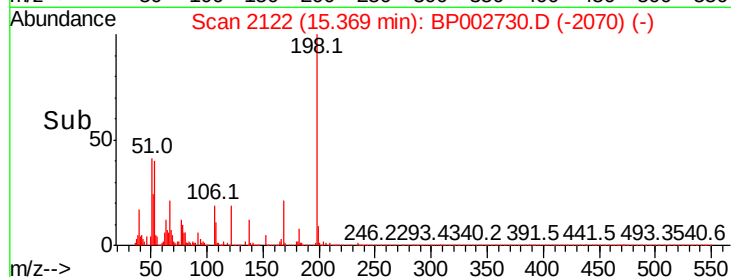
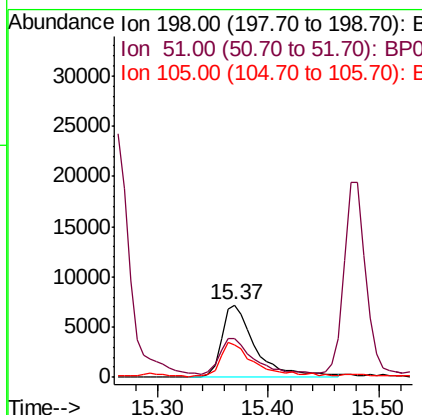
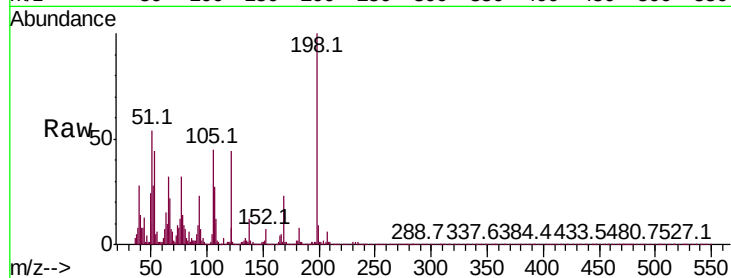




#65
4,6-Dinitro-2-methylphenol
Concen: 7.873 ng
RT: 15.37 min Scan# 2122
Delta R.T. 0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

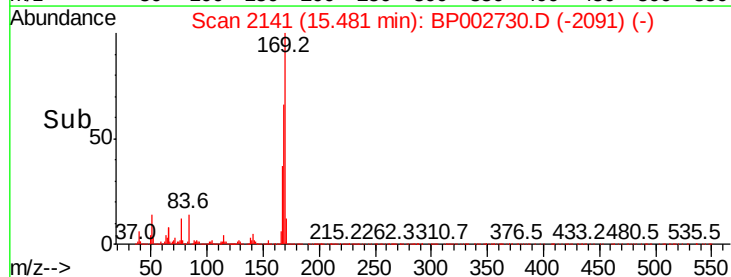
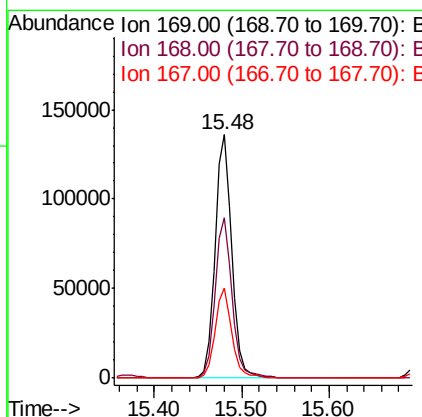
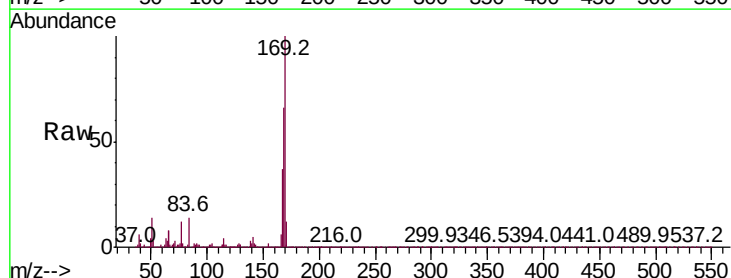
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

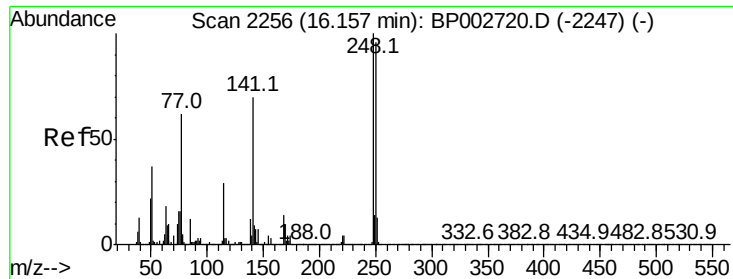
Tot Ion:198 Resp: 15341
Ion Ratio Lower Upper
198 100
51 53.9 27.1 67.1
105 44.8 24.9 64.9



#66
n-Nitrosodiphenylamine
Concen: 6.965 ng
RT: 15.48 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:169 Resp: 180341
Ion Ratio Lower Upper
169 100
168 66.1 53.4 80.0
167 36.7 29.2 43.8

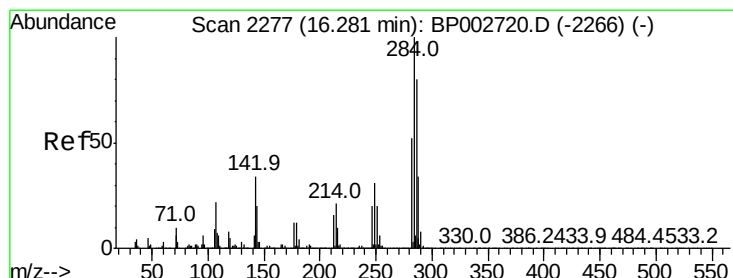
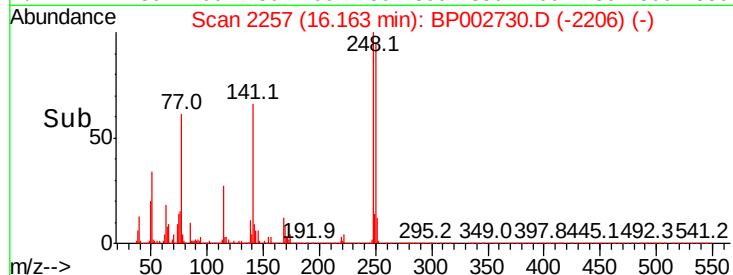
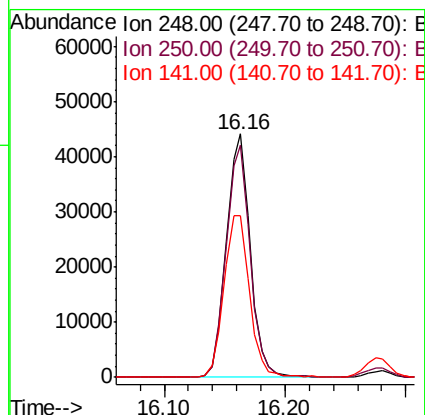
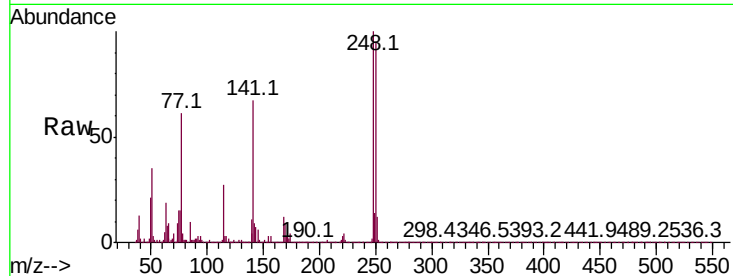




#67
4-Bromophenyl-phenylether
Concen: 6.335 ng
RT: 16.16 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

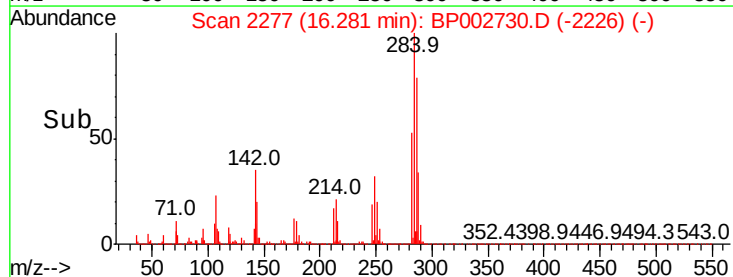
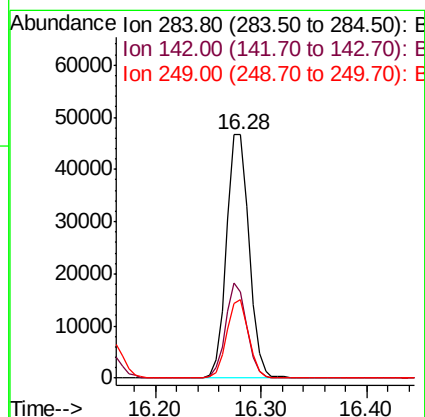
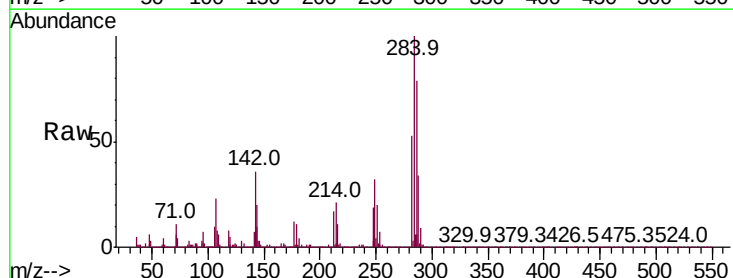
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

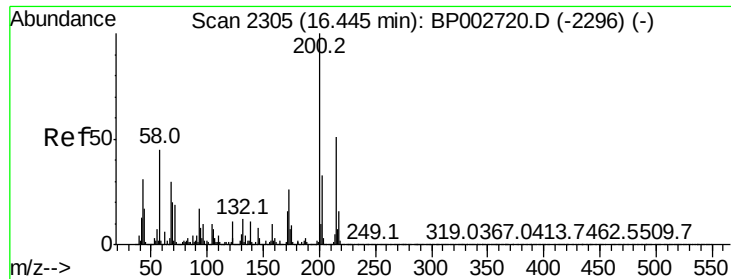
Tot Ion:248 Resp: 60483
Ion Ratio Lower Upper
248 100
250 95.4 76.7 115.1
141 66.6 55.9 83.9



#68
Hexachlorobenzene
Concen: 6.841 ng
RT: 16.28 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:284 Resp: 68819
Ion Ratio Lower Upper
284 100
142 35.6 26.9 40.3
249 32.2 24.6 37.0

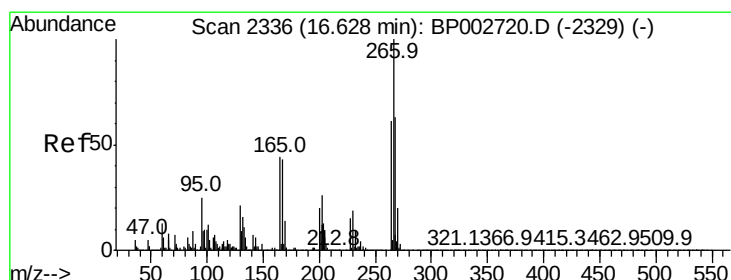
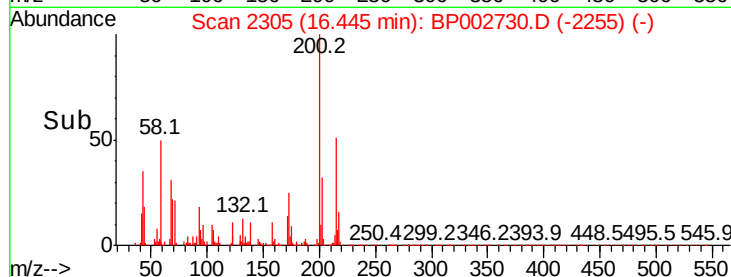
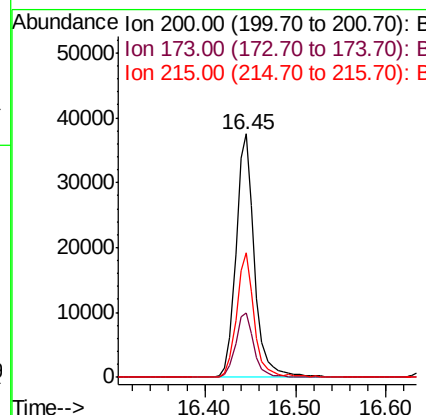
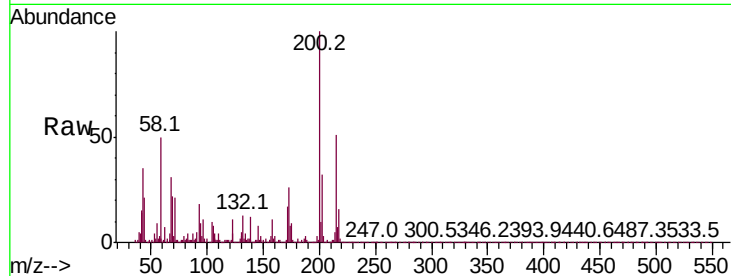




#69
Atrazine
Concen: 7.547 ng
RT: 16.45 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

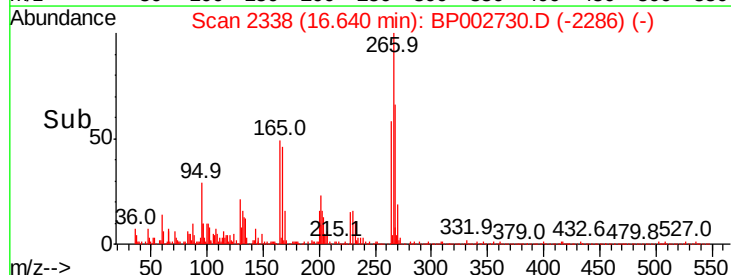
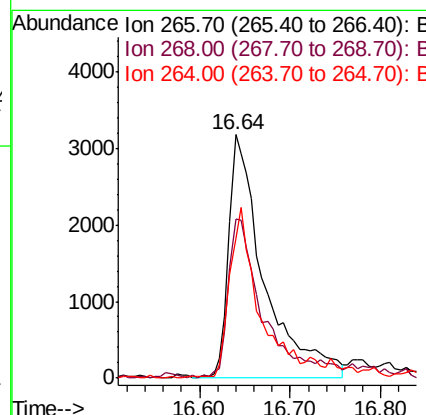
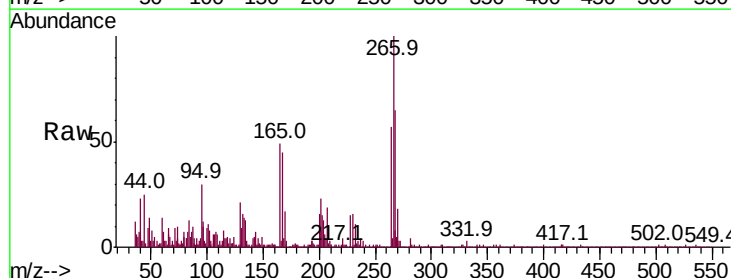
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

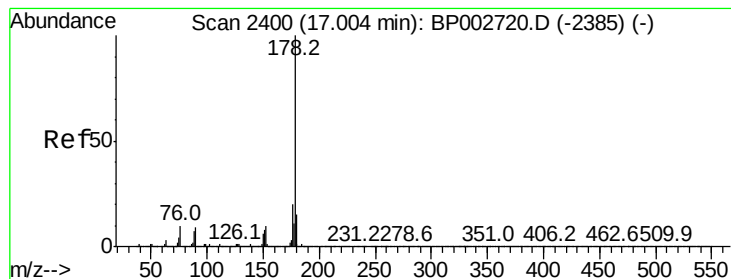
Tot Ion:200 Resp: 53350
Ion Ratio Lower Upper
200 100
173 26.4 6.3 46.3
215 51.3 30.6 70.6



#70
Pentachlorophenol
Concen: 9.039 ng
RT: 16.64 min Scan# 2338
Delta R.T. 0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:266 Resp: 8572
Ion Ratio Lower Upper
266 100
268 65.4 50.6 75.8
264 57.4 48.6 72.8





#71

Phenanthrene

Concen: 7.137 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

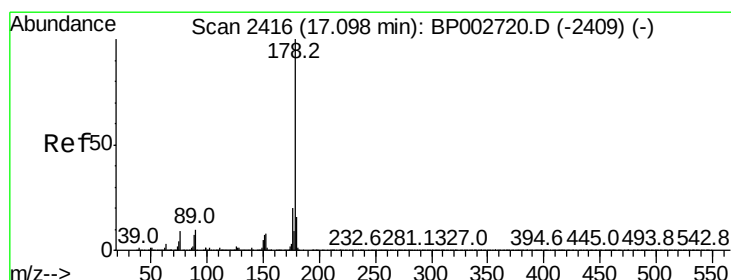
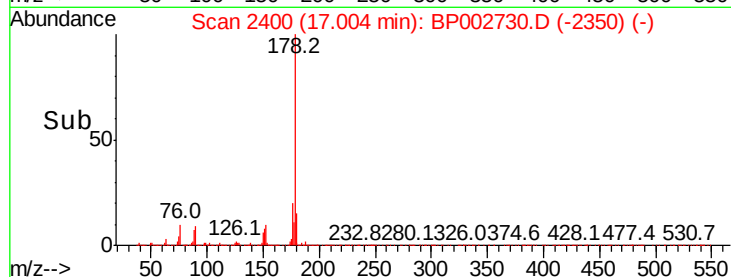
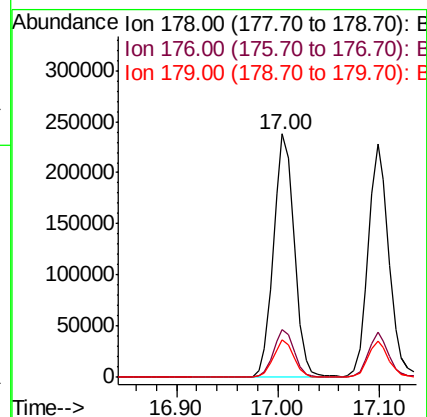
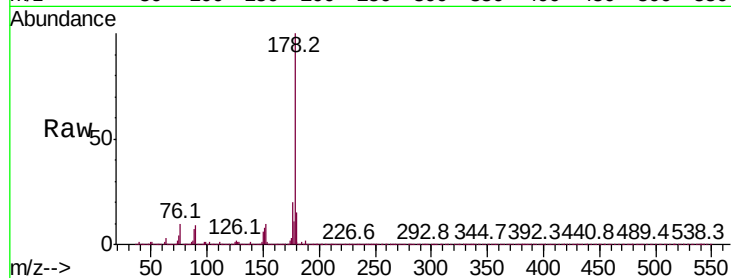
Tot Ion:178 Resp: 338717

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 15.4 12.3 18.5



#72

Anthracene

Concen: 7.040 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

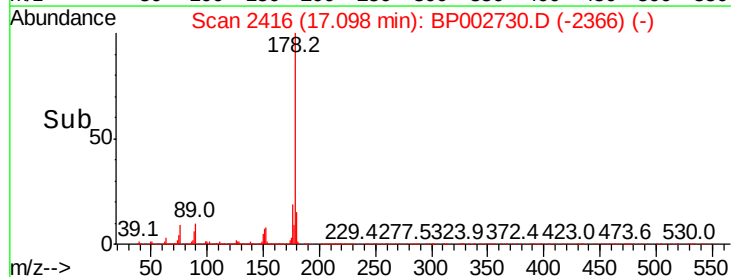
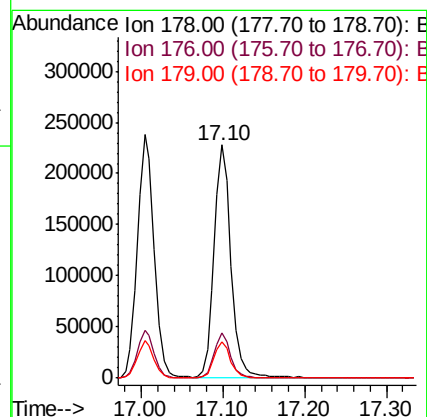
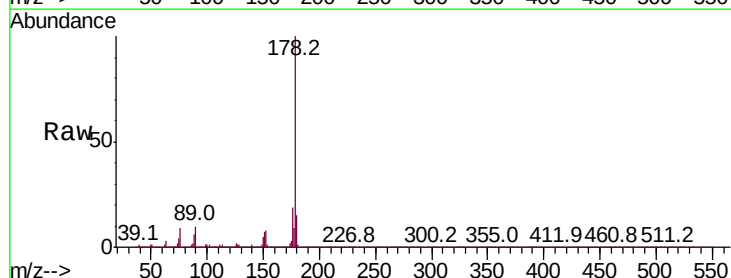
Tgt Ion:178 Resp: 327852

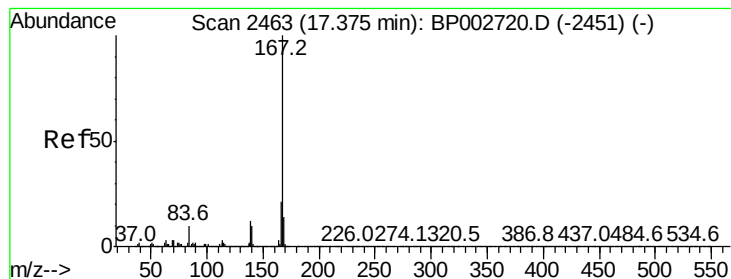
Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

179 15.3 12.6 19.0





#73

Carbazole

Concen: 6.529 ng

RT: 17.38 min Scan# 2464

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

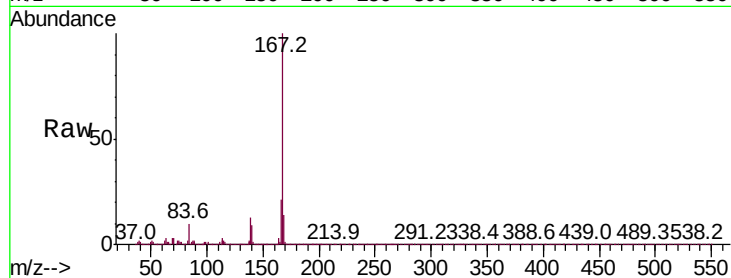
Tot Ion:167 Resp: 298391

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

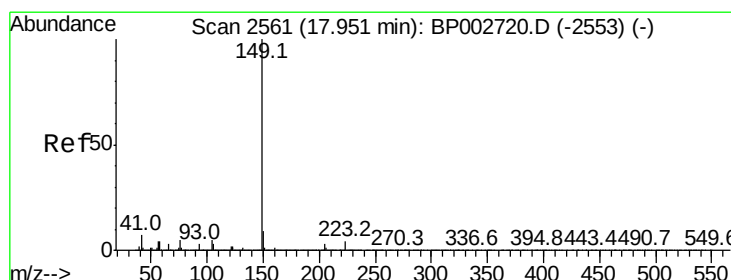
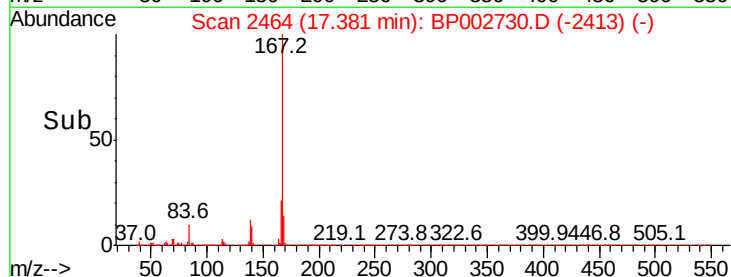
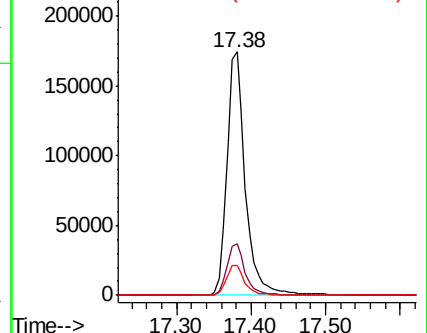
139 12.5 9.6 14.4



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: 5.963 ng

RT: 17.95 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

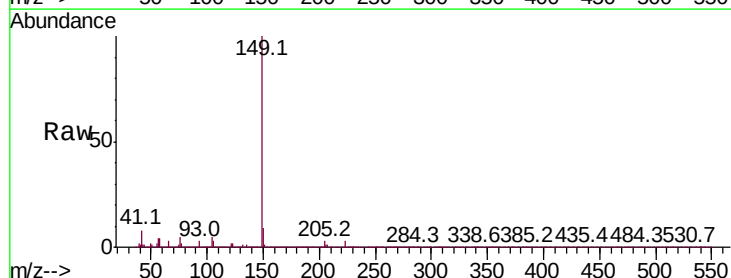
Tgt Ion:149 Resp: 295535

Ion Ratio Lower Upper

149 100

150 9.2 7.5 11.3

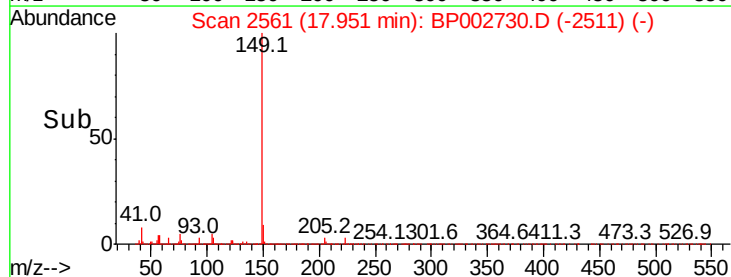
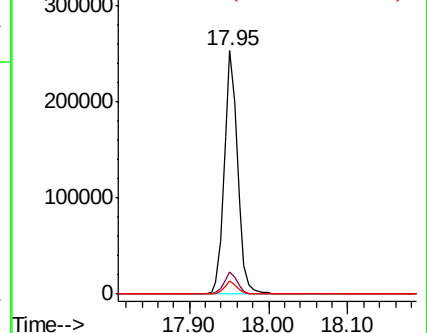
104 5.4 4.0 6.0

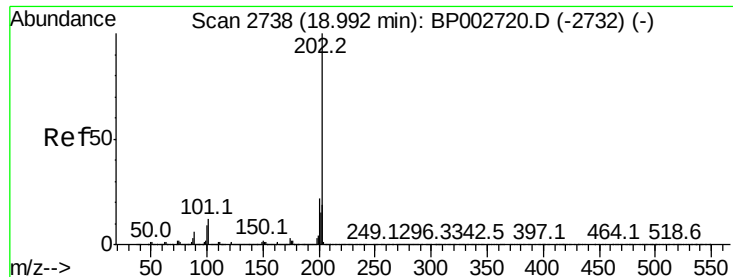


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 6.888 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

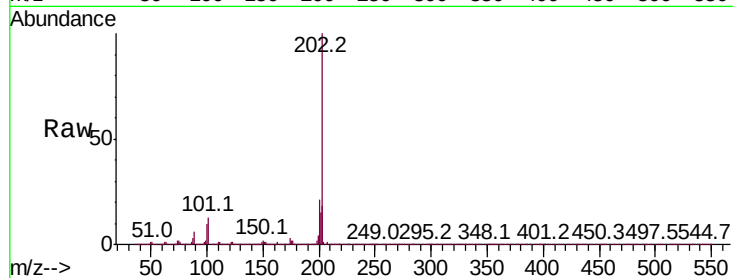
Tot Ion:202 Resp: 378776

Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.5

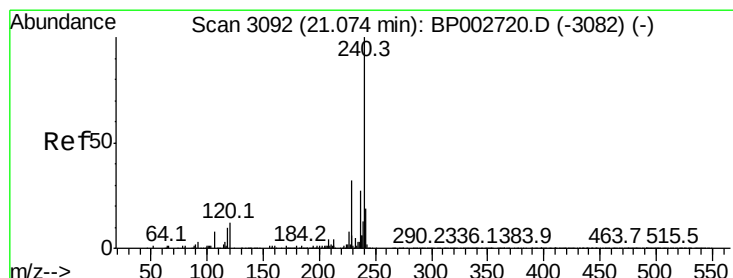
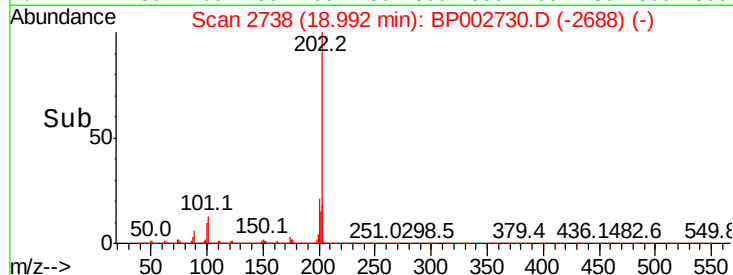
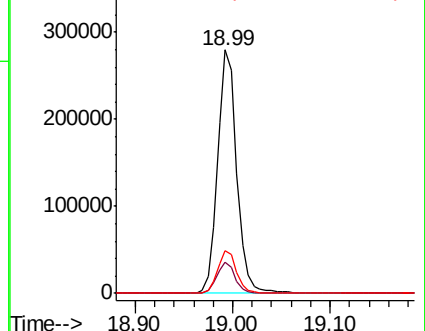
203 17.6 0.0 38.6



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# 3092

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

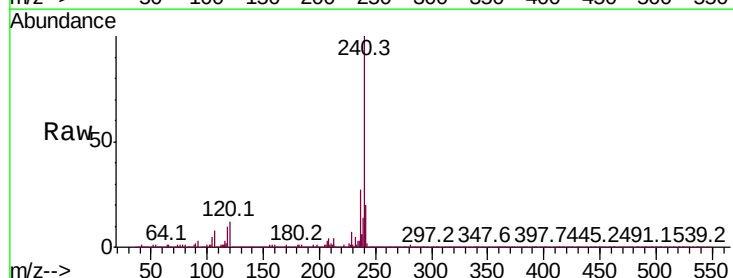
Tgt Ion:240 Resp: 877567

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

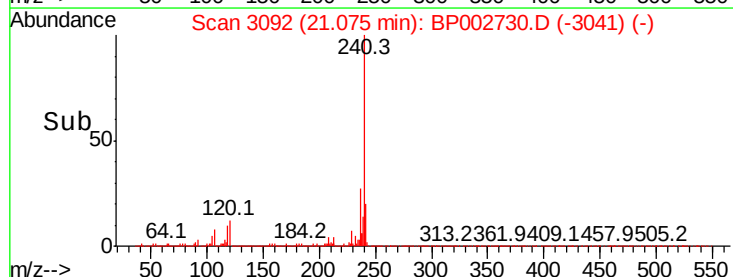
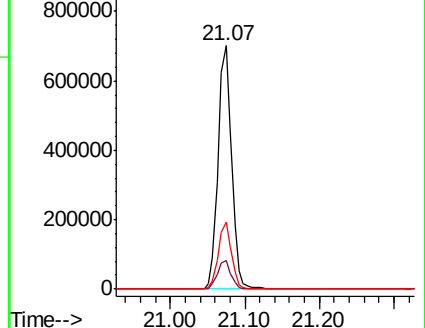
236 27.3 21.3 31.9

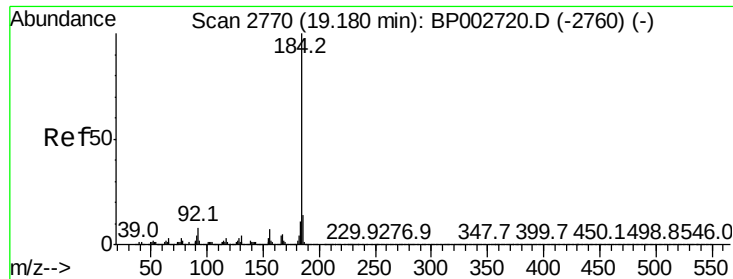


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 5.992 ng

RT: 19.19 min Scan# 2771

Delta R.T. 0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

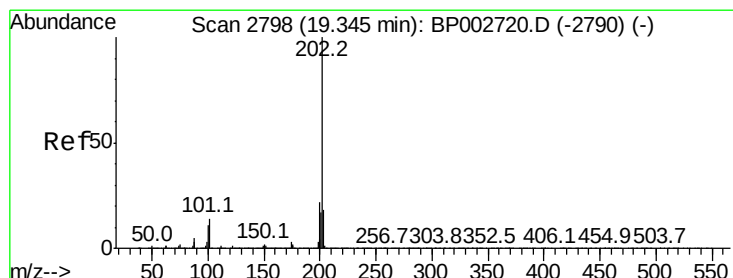
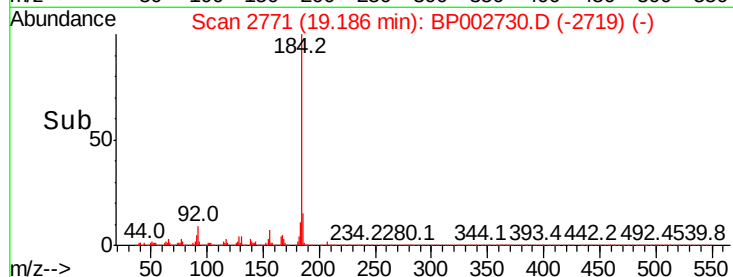
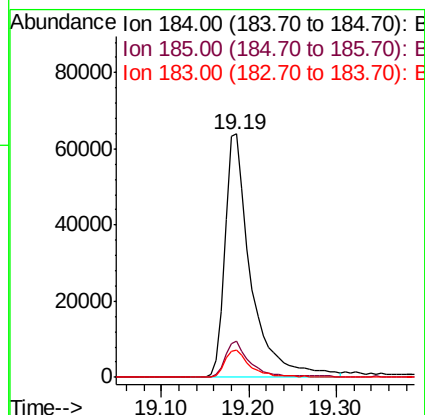
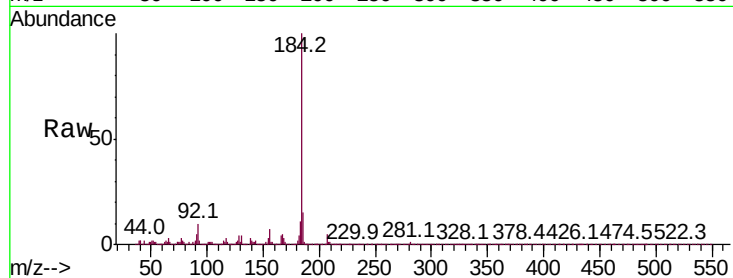
Tot Ion:184 Resp: 130330

Ion Ratio Lower Upper

184 100

185 14.9 11.4 17.2

183 11.4 9.0 13.4



#78

Pyrene

Concen: 6.663 ng

RT: 19.35 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

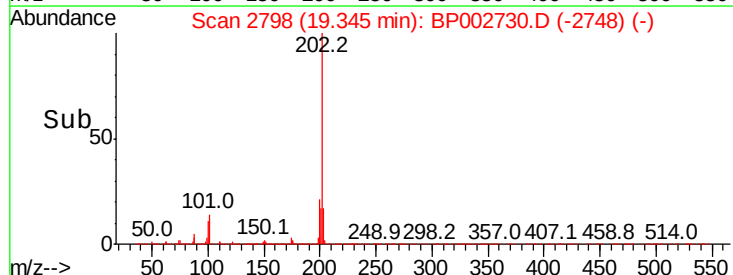
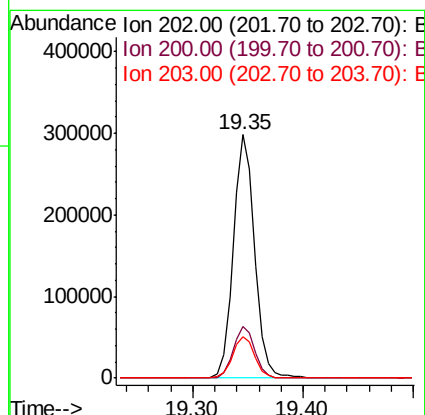
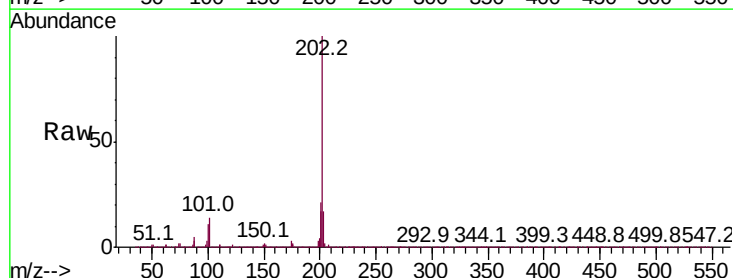
Tgt Ion:202 Resp: 403743

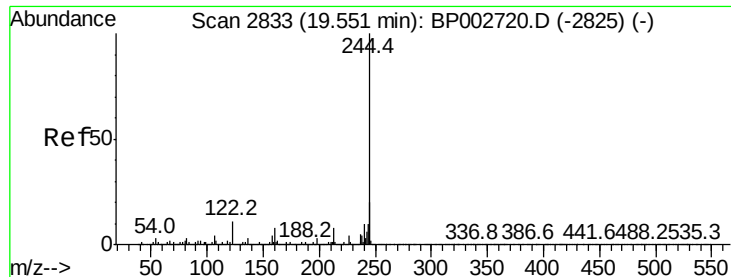
Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

203 17.1 14.5 21.7





#79

Terphenyl-d14

Concen: 62.769 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

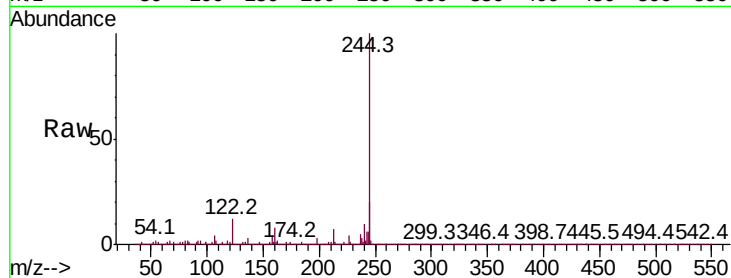
Tot Ion:244 Resp: 2402556

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

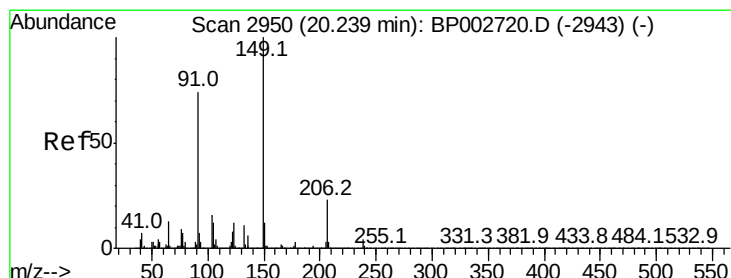
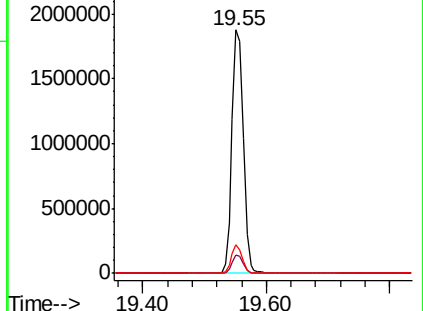
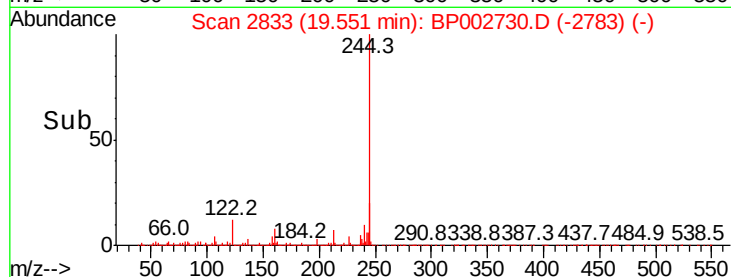
122 11.5 8.9 13.3



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: 5.209 ng

RT: 20.24 min Scan# 2950

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

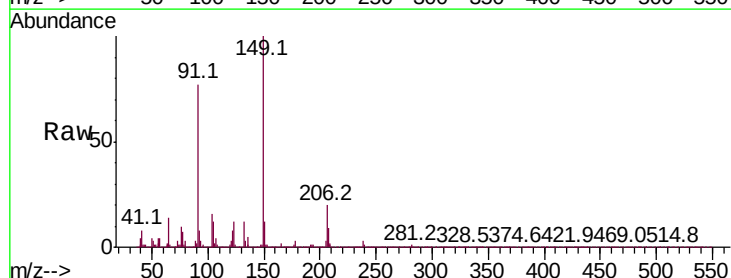
Tgt Ion:149 Resp: 124552

Ion Ratio Lower Upper

149 100

91 77.1 59.4 89.2

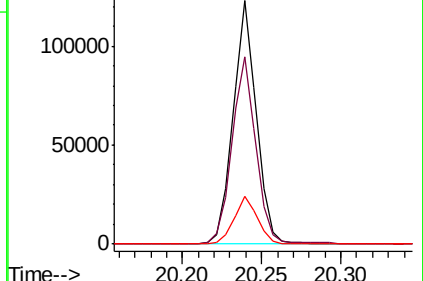
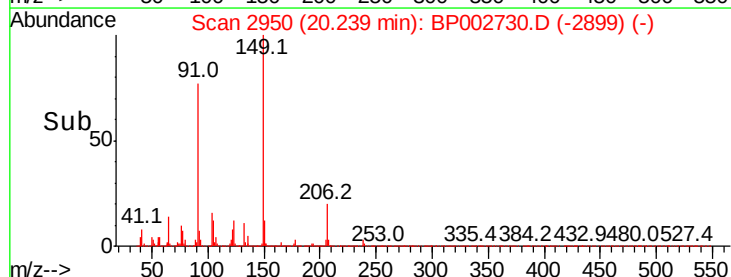
206 19.7 18.3 27.5

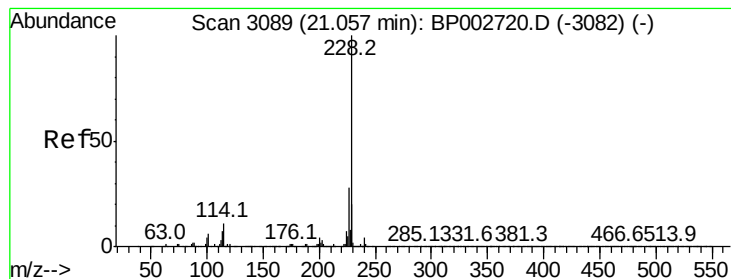


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 6.827 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

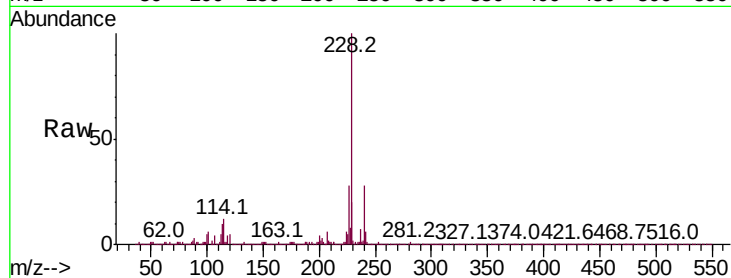
Tot Ion:228 Resp: 387816

Ion Ratio Lower Upper

228 100

226 27.5 22.6 34.0

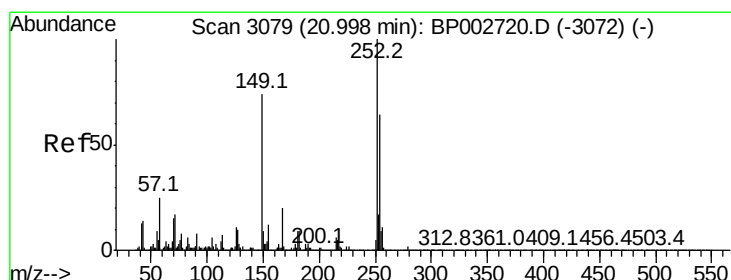
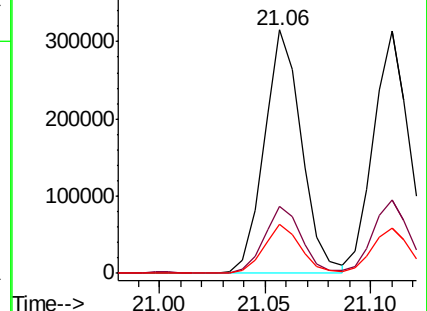
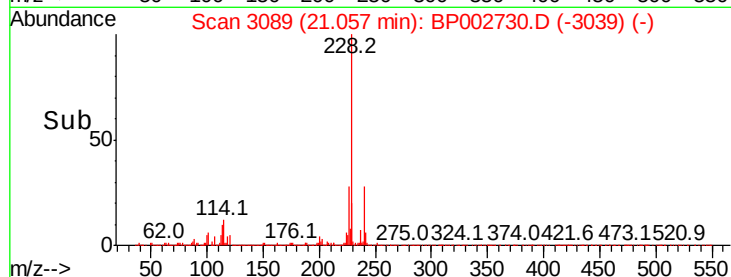
229 20.0 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 6.569 ng

RT: 21.00 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

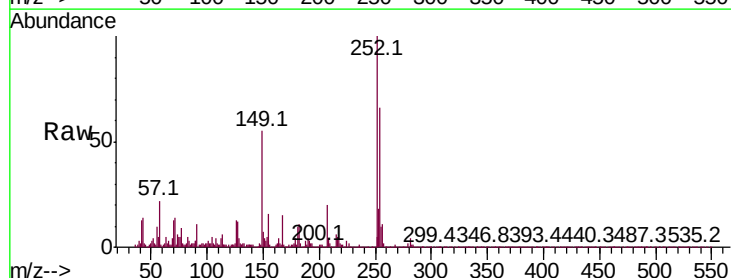
Tgt Ion:252 Resp: 123590

Ion Ratio Lower Upper

252 100

254 66.1 51.0 76.4

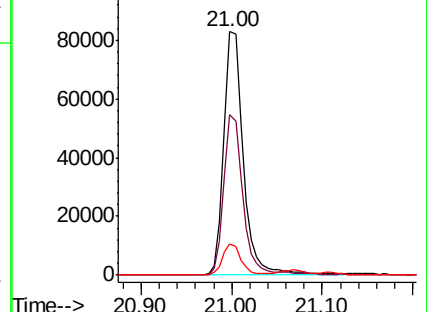
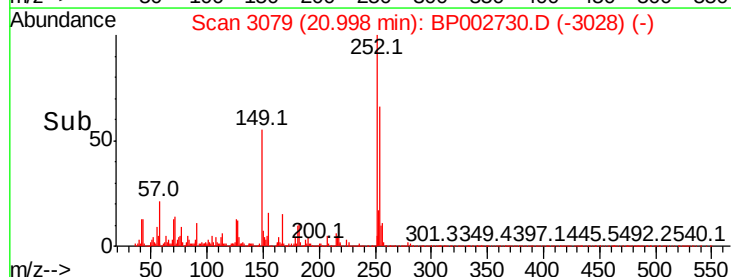
126 12.9 8.4 12.6#

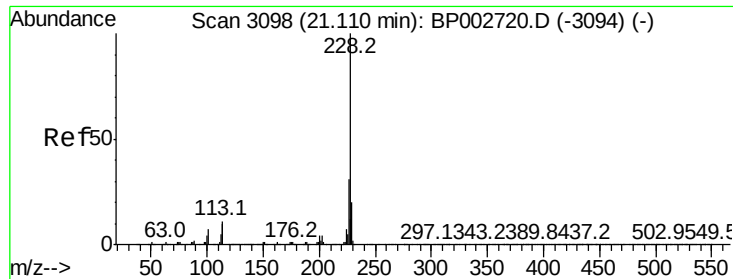


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

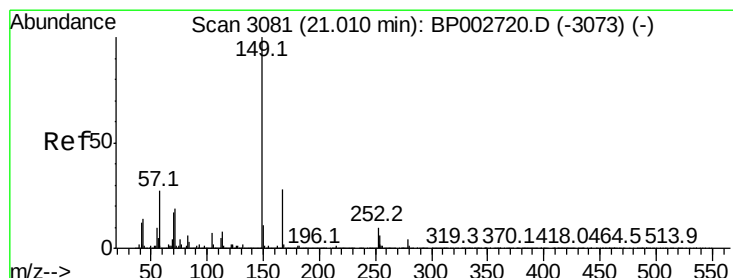
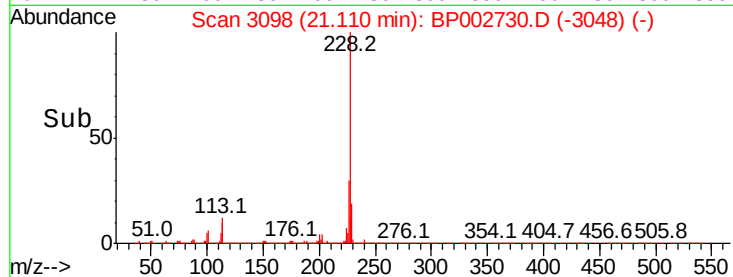
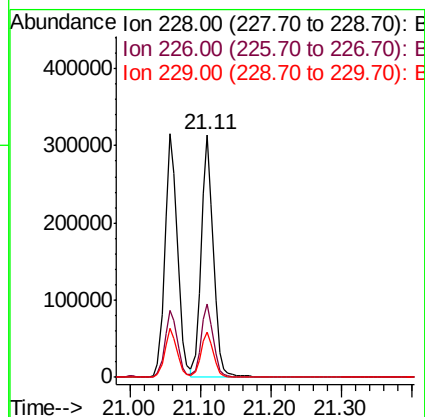
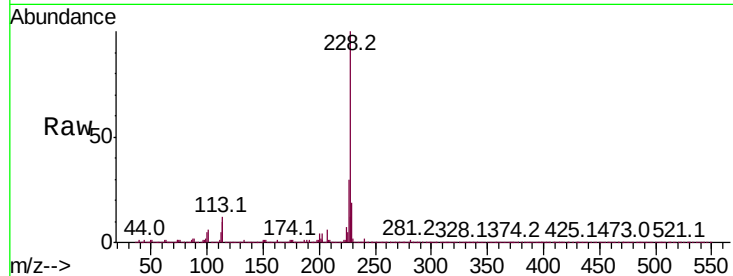




#83
Chrysene
Concen: 7.021 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

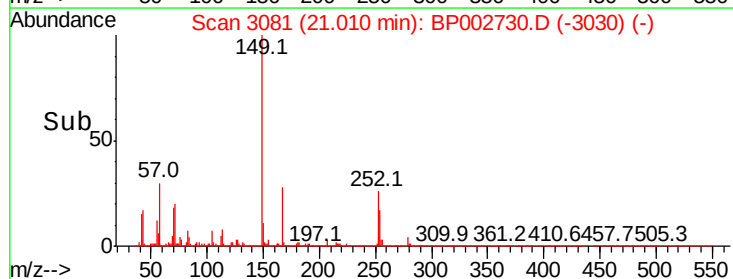
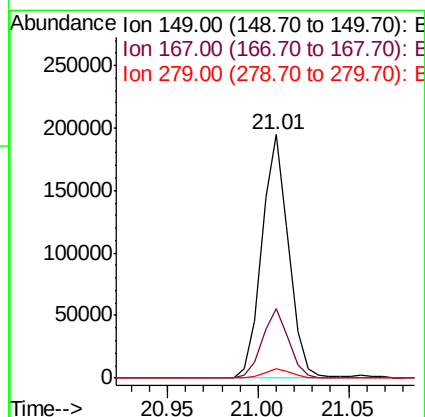
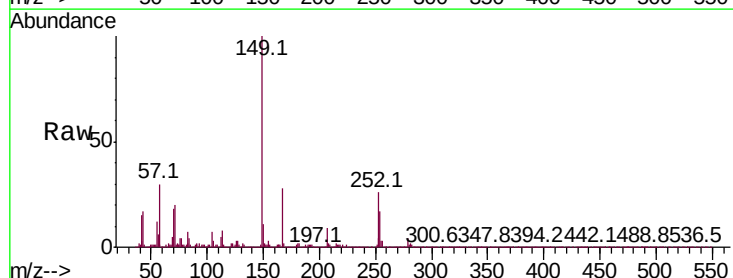
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

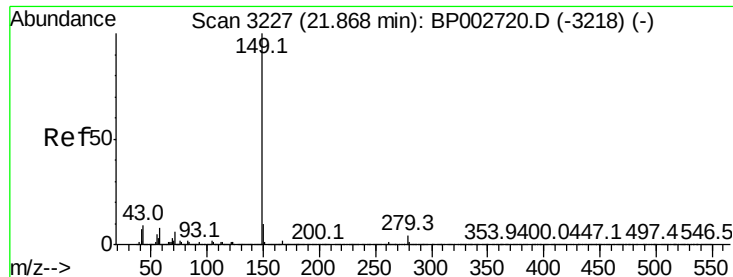
Tot Ion:228 Resp: 379645
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 18.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.961 ng
RT: 21.01 min Scan# 3081
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion:149 Resp: 198229
Ion Ratio Lower Upper
149 100
167 28.4 22.4 33.6
279 3.8 3.5 5.3

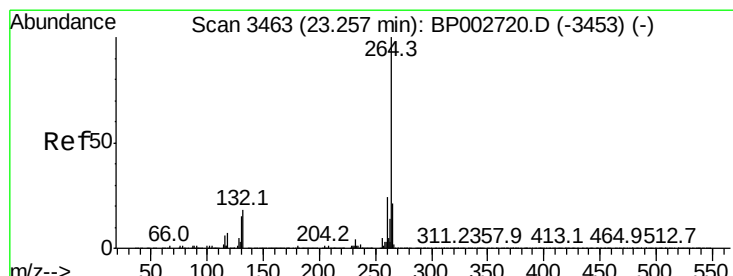
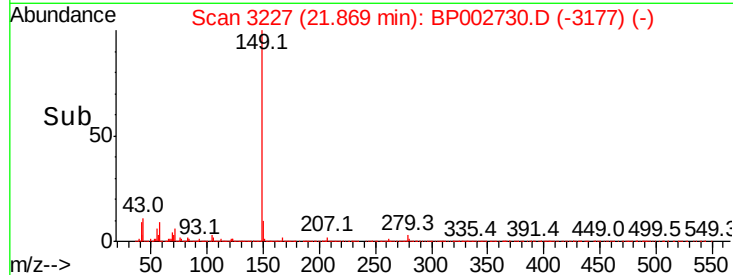
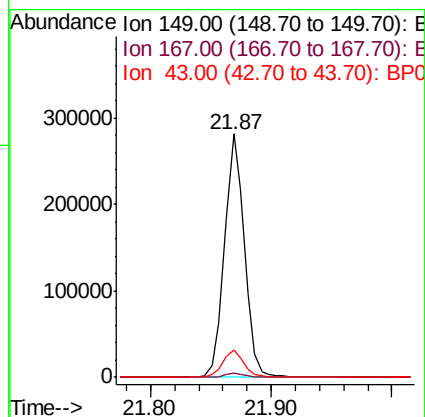
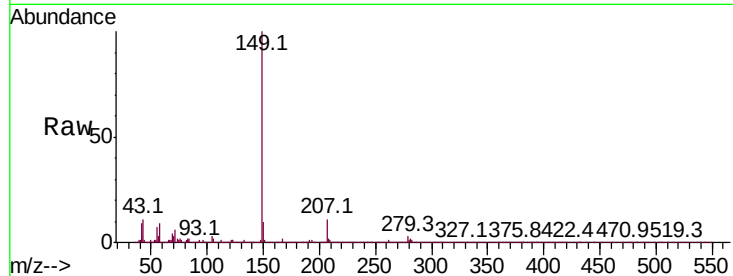




#85
Di-n-octyl phthalate
Concen: 5.318 ng
RT: 21.87 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

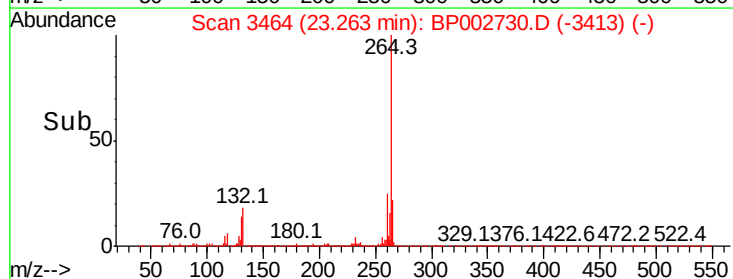
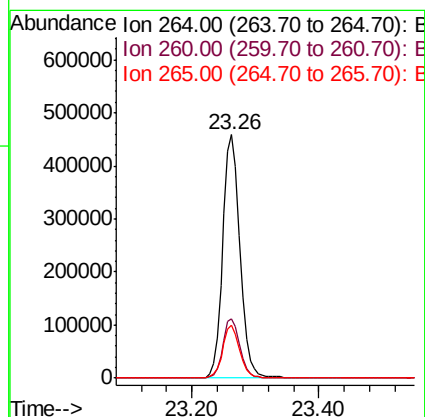
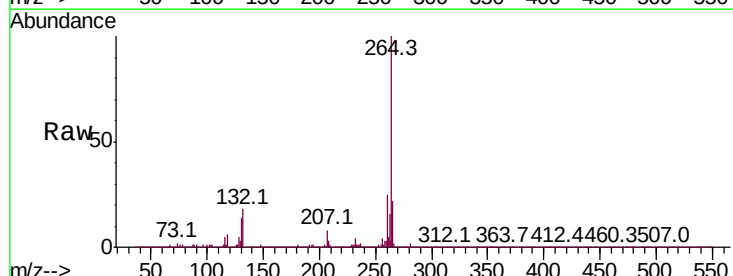
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

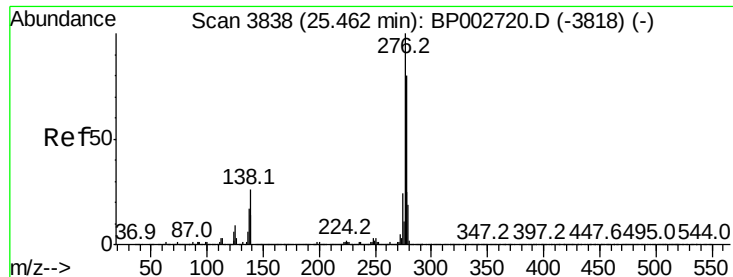
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	11.5	8.2	12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3464
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	21.7	16.8	25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.765 ng

RT: 25.46 min Scan# 3838

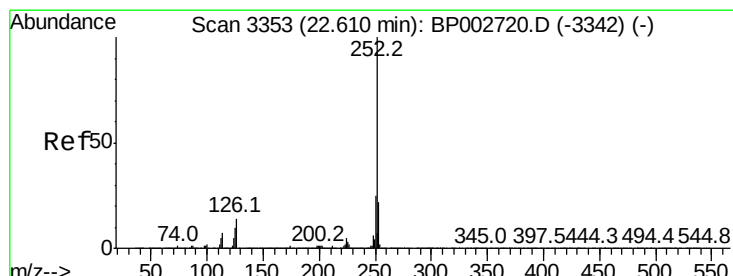
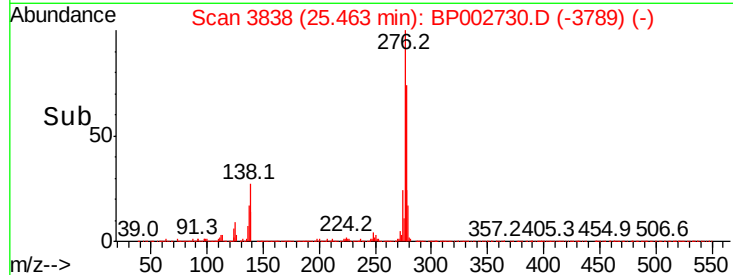
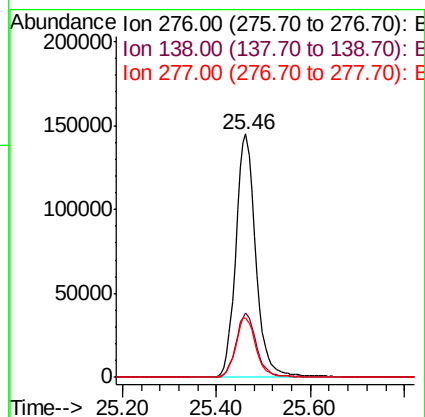
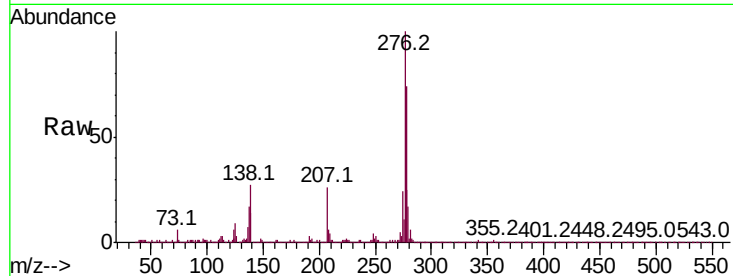
Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.8	31.2
277	24.9	20.0	30.0



#88

Benzo(b)fluoranthene

Concen: 6.634 ng

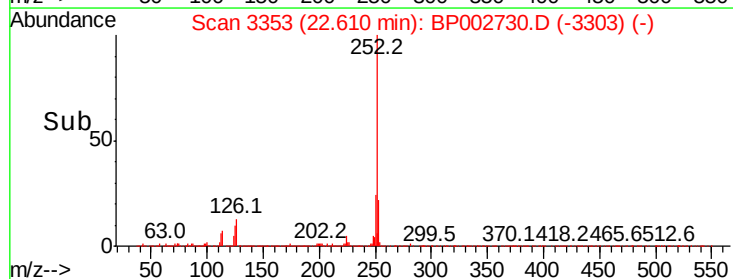
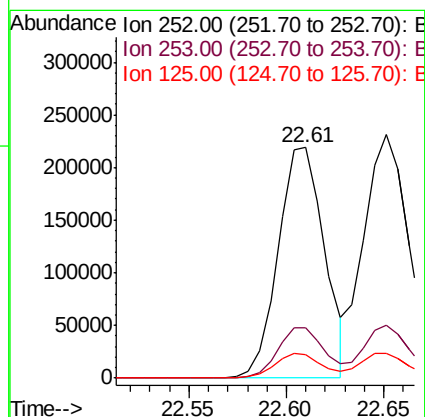
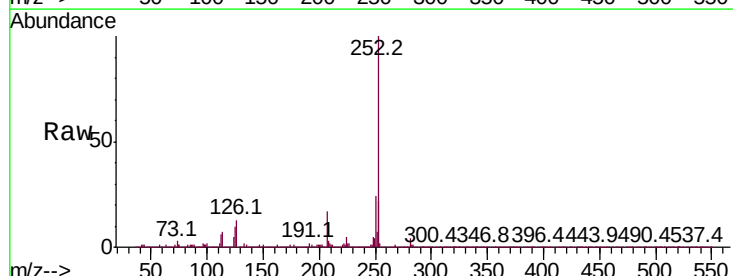
RT: 22.61 min Scan# 3353

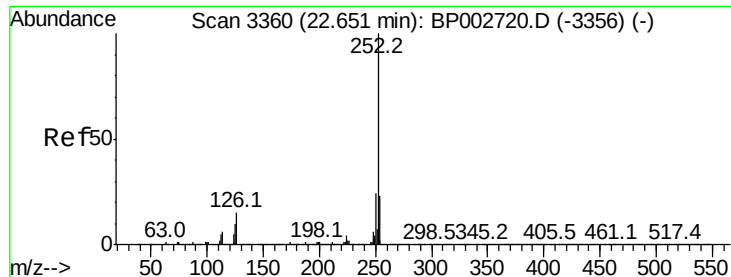
Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.2	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 7.249 ng

RT: 22.65 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

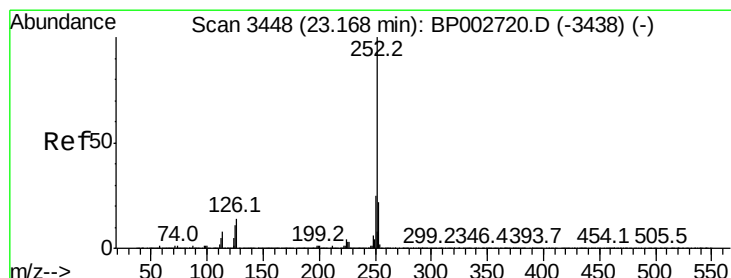
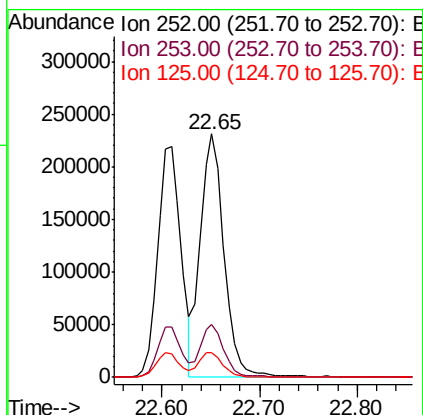
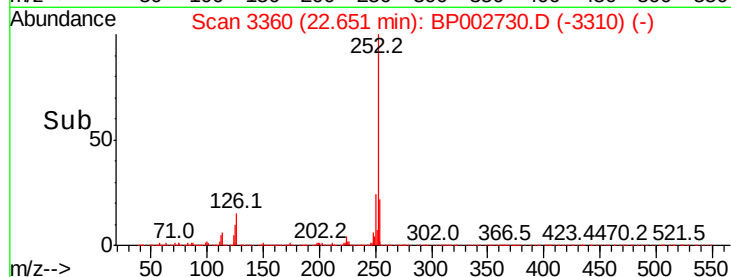
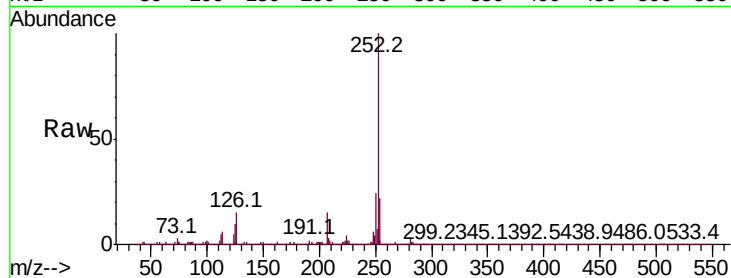
Tot Ion:252 Resp: 386741

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 10.1 8.3 12.5



#90

Benzo(a)pyrene

Concen: 6.510 ng

RT: 23.17 min Scan# 3448

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

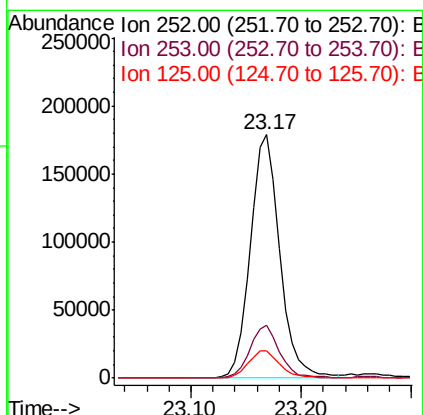
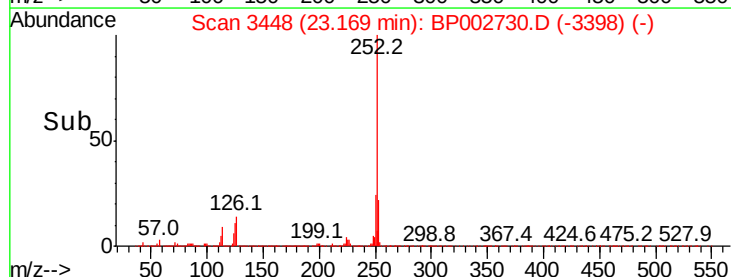
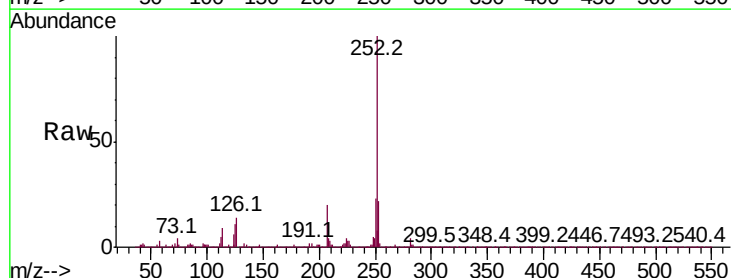
Tgt Ion:252 Resp: 334143

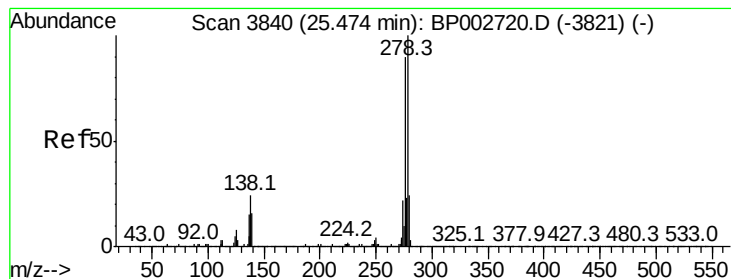
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 11.4 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 6.970 ng

RT: 25.47 min Scan# 3840

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Instrument :

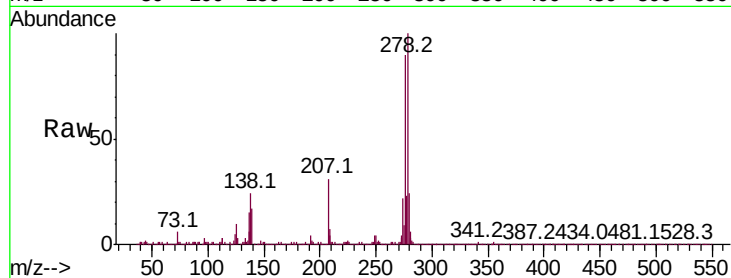
BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:278 Resp: 354395

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.1	19.7
279	23.8	19.0	28.6

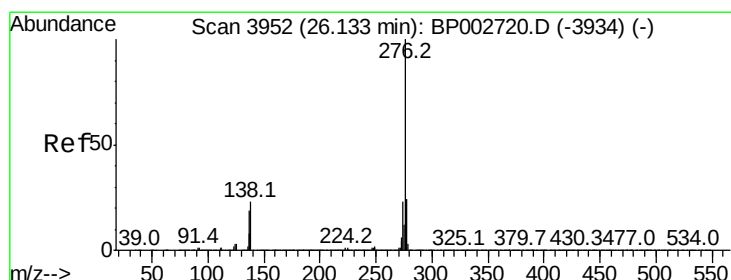
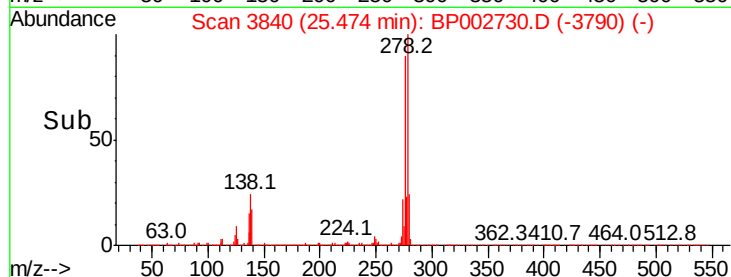
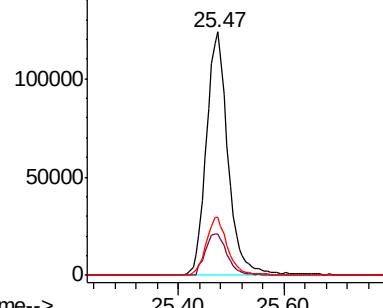


Abundance

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: 6.900 ng

RT: 26.13 min Scan# 3951

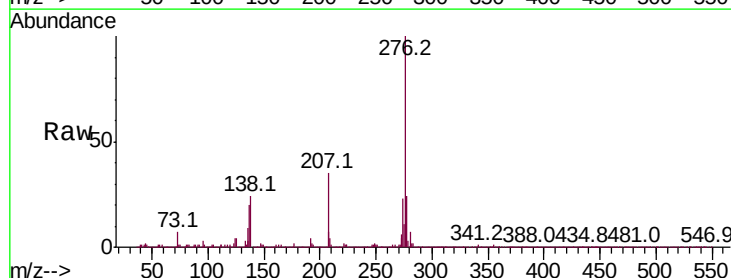
Delta R.T. -0.02 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

Tgt Ion:276 Resp: 355688

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	23.6	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

