

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

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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

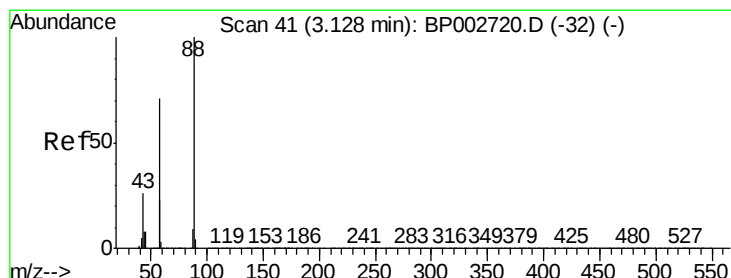
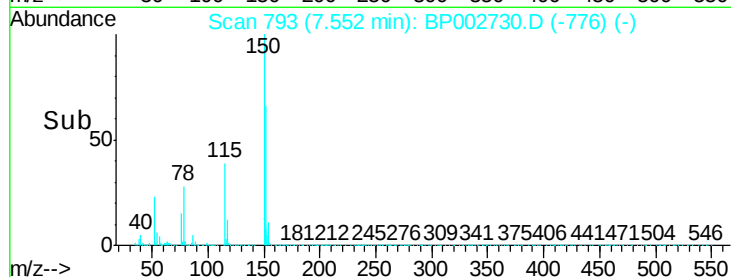
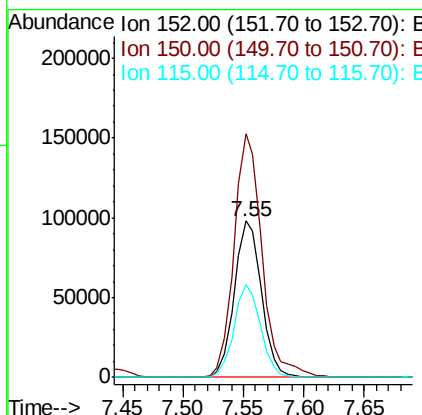
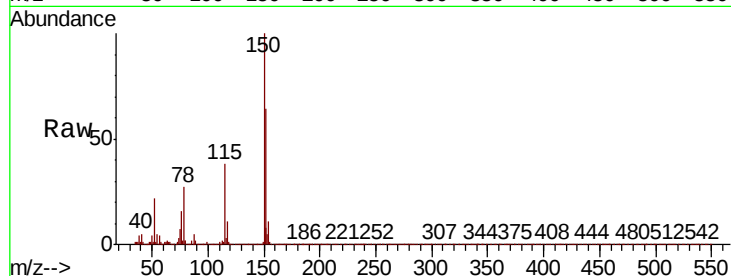


#1

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

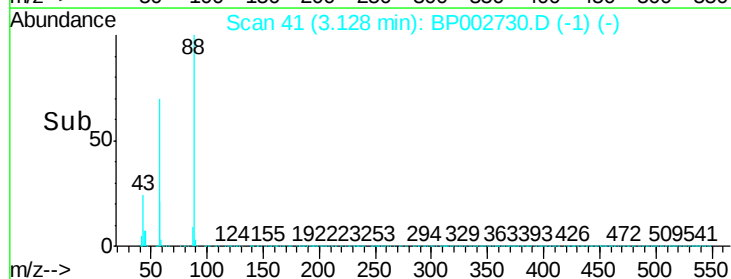
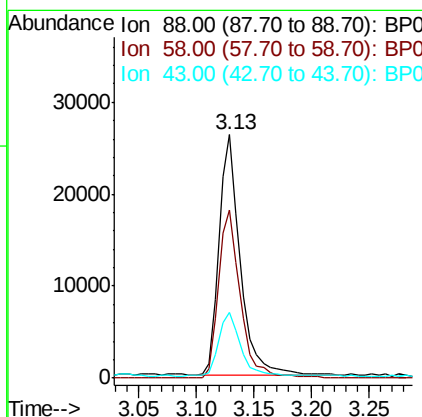
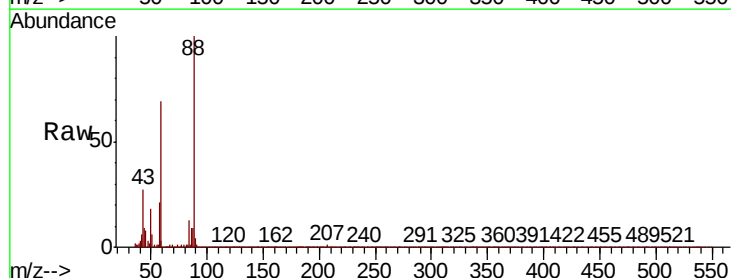
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.7	185.5
115	59.6	47.2	70.8

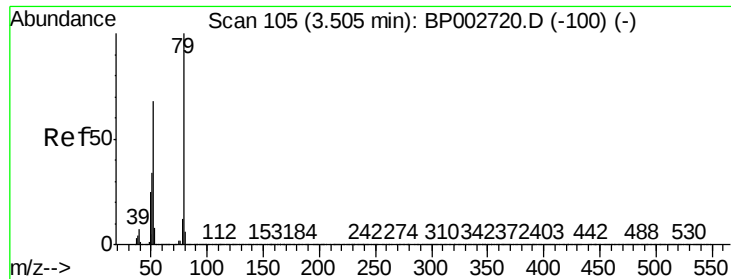


#2

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	Ratio	Lower	Upper
88	100		
58	71.8	58.2	87.4
43	27.9	21.5	32.3

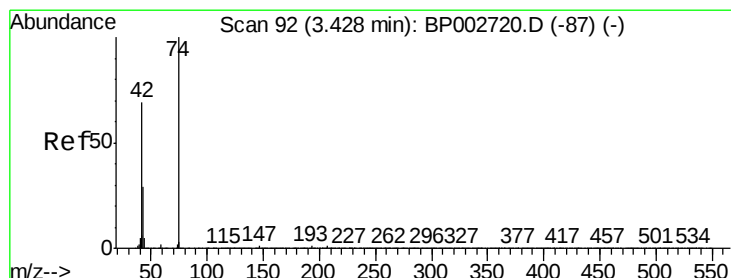
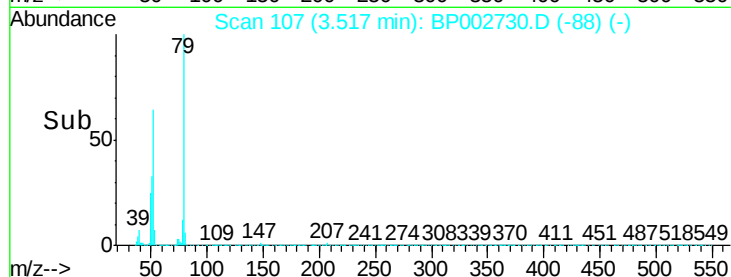
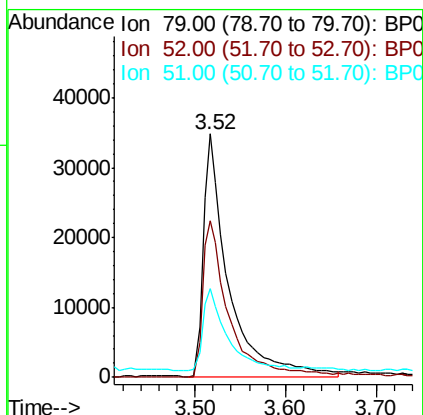
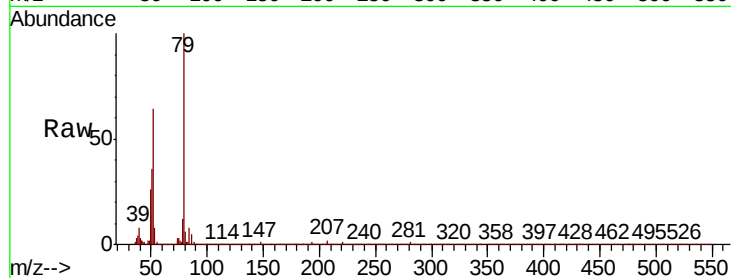




#3
 Pvridine
 Concen: 5.643 ng
 RT: 3.52 min Scan# 107
 Delta R.T. 0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

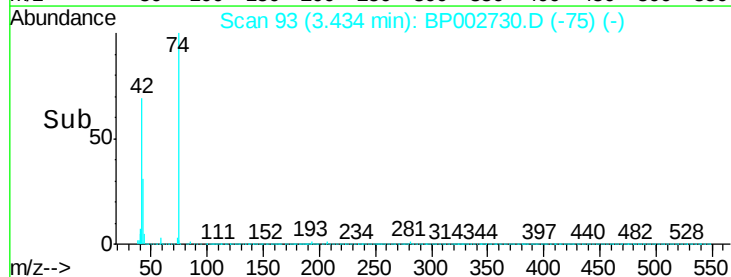
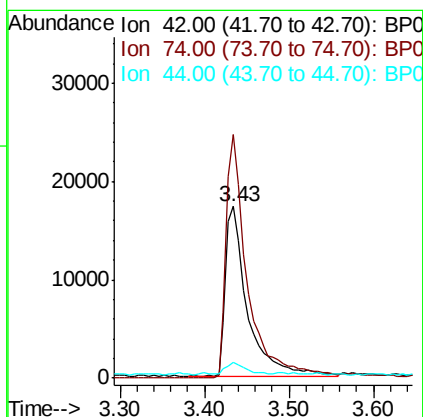
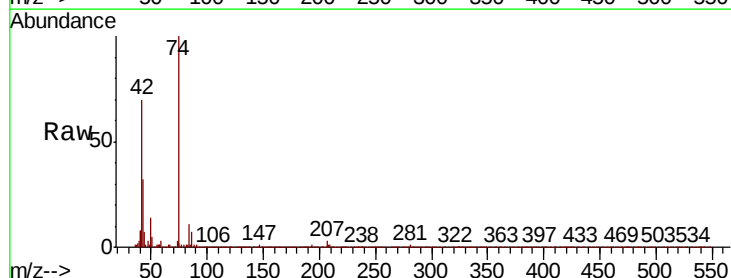
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

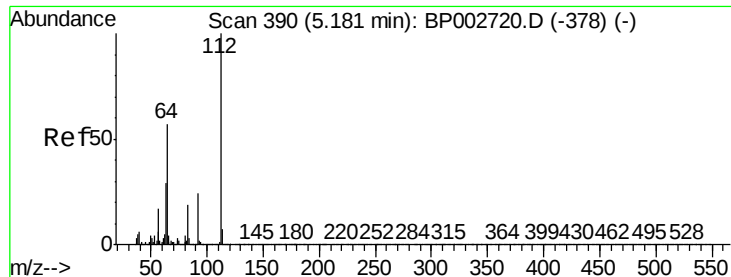
Tot Ion: 79 Resp: 66947
 Ion Ratio Lower Upper
 79 100
 52 64.3 54.2 81.2
 51 36.4 27.3 40.9



#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

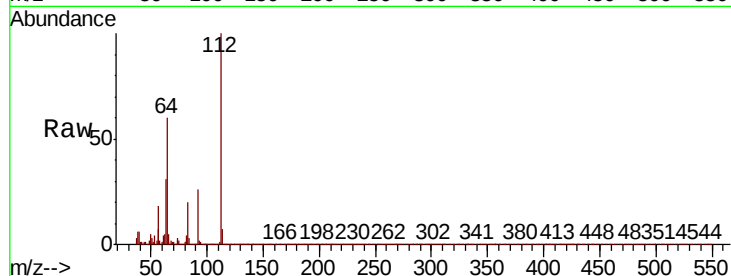
Tot Ion: 112 Resp: 866308

Ion Ratio Lower Upper

112 100

64 60.1 45.6 68.4

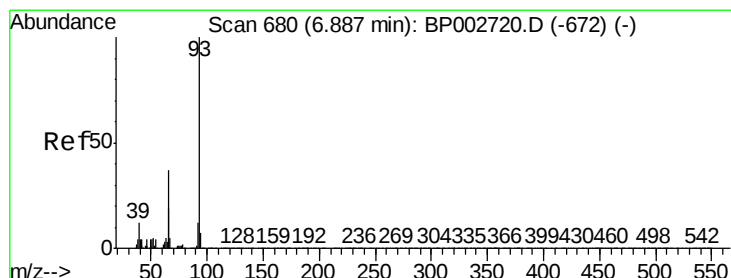
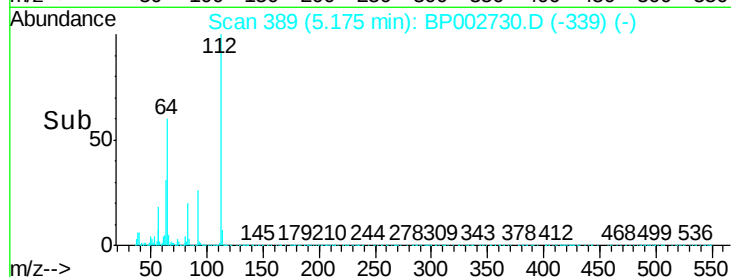
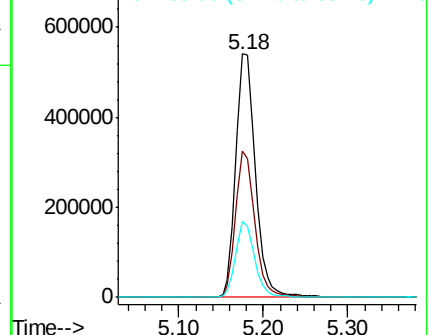
63 31.0 23.5 35.3



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

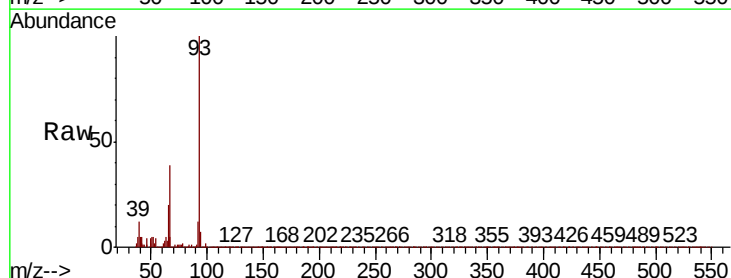
Tgt Ion: 93 Resp: 117790

Ion Ratio Lower Upper

93 100

66 39.2 30.1 45.1

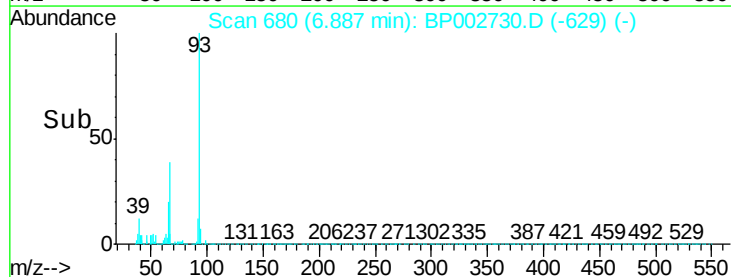
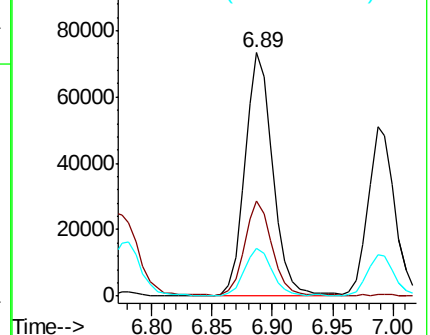
65 19.8 15.4 23.2

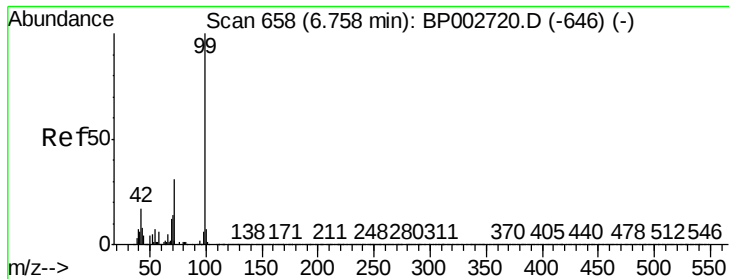


Abundance Ion 93.00 (92.70 to 93.70): BP0

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

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

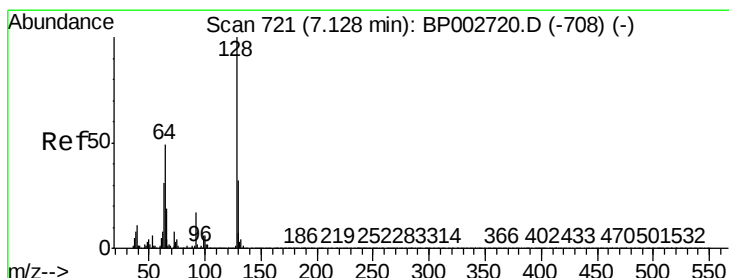
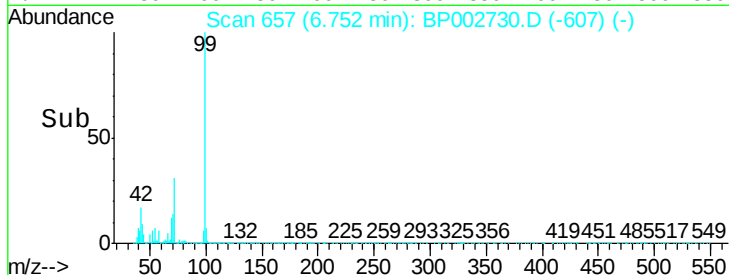
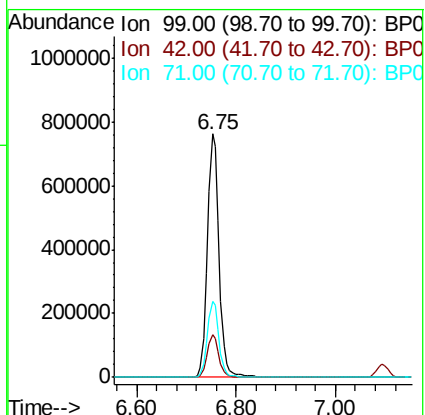
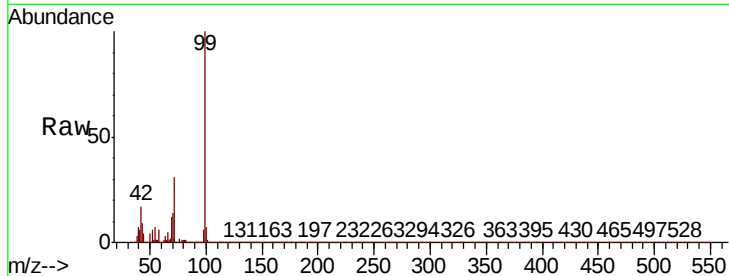
Tot Ion: 99 Resp: 1250361

Ion Ratio Lower Upper

99 100

42 17.4 13.4 20.2

71 31.4 24.6 36.8



#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

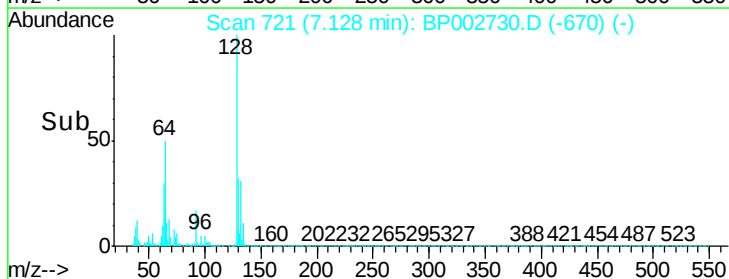
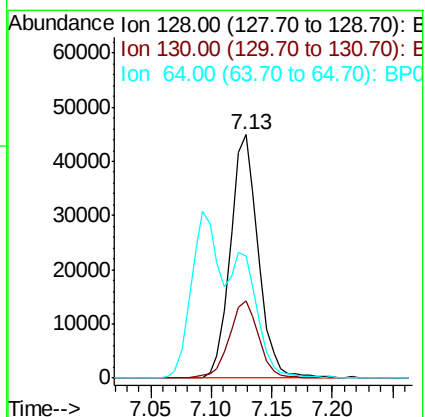
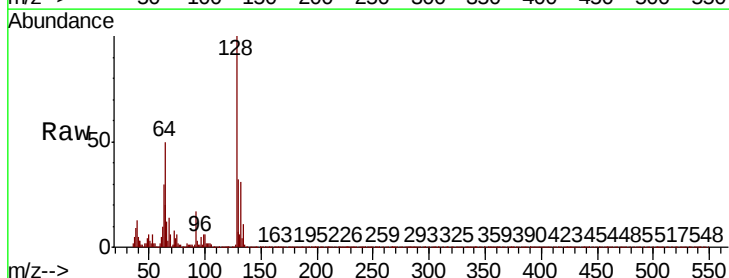
Tgt Ion: 128 Resp: 72147

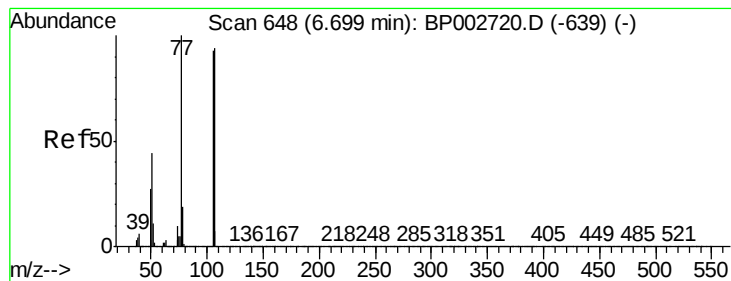
Ion Ratio Lower Upper

128 100

130 31.7 12.2 52.2

64 50.0 28.8 68.8





#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

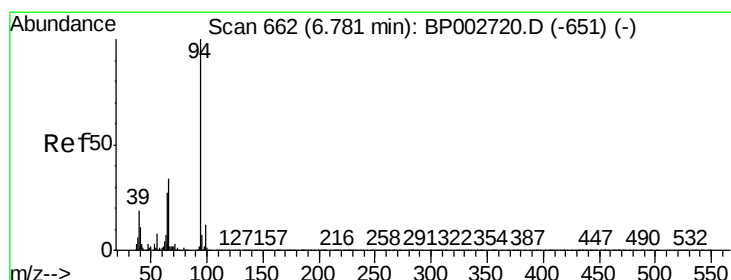
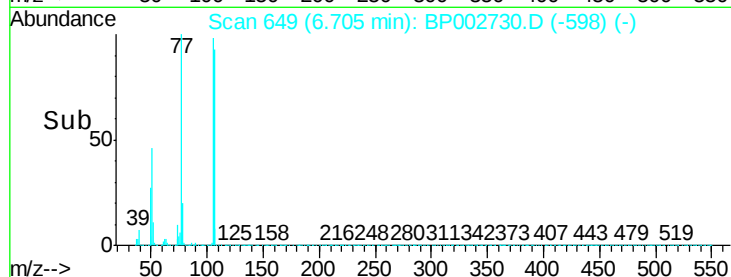
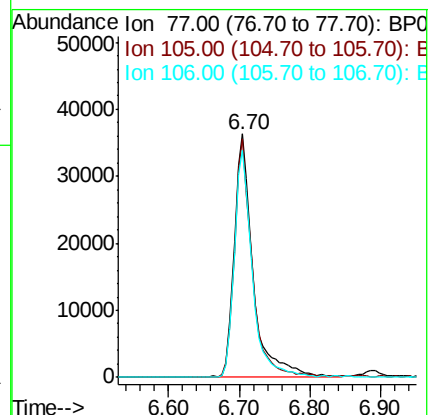
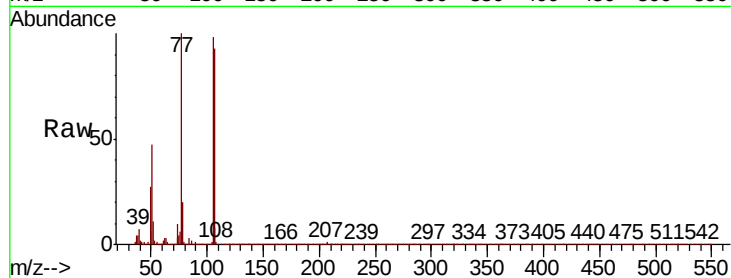
Tot Ion: 77 Resp: 67256

Ion	Ratio	Lower	Upper
77	100		
105	97.9	73.2	113.2
106	93.0	73.6	113.6

77 100

105 97.9 73.2 113.2

106 93.0 73.6 113.6



#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

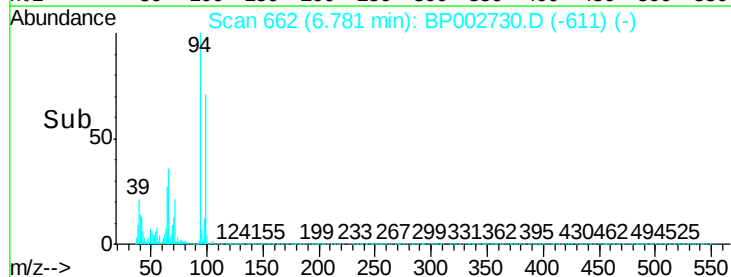
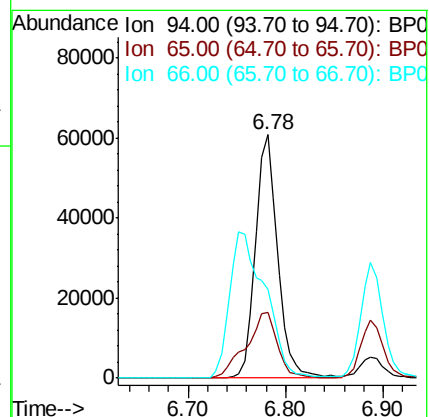
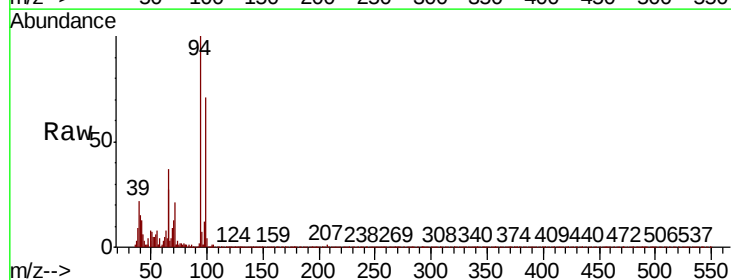
Tgt Ion: 94 Resp: 96572

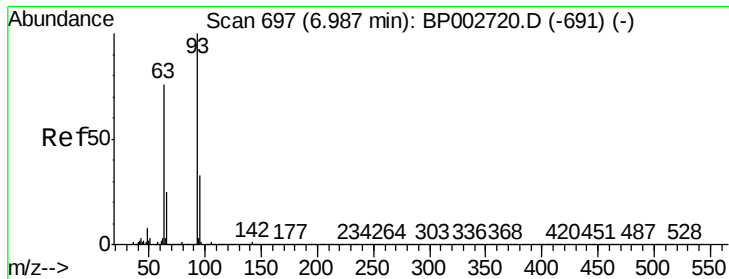
Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.0	47.0
66	36.5	13.7	53.7

94 100

65 26.9 7.0 47.0

66 36.5 13.7 53.7

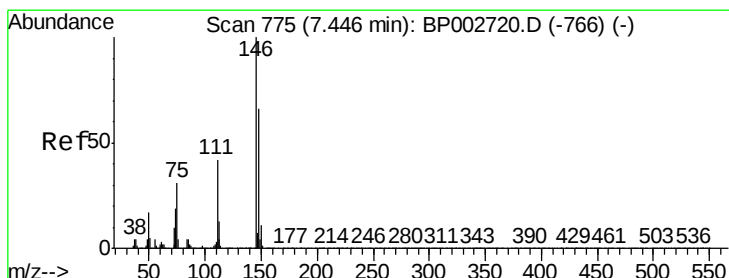
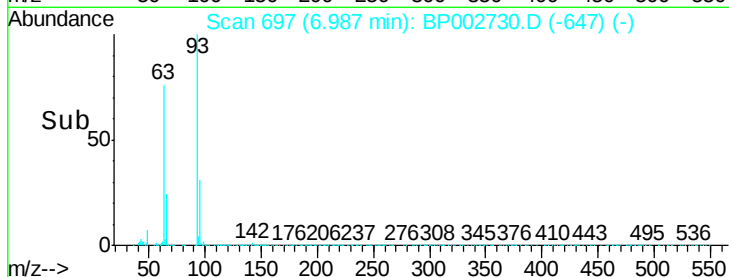
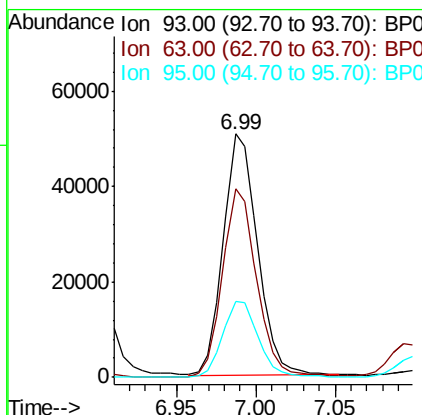
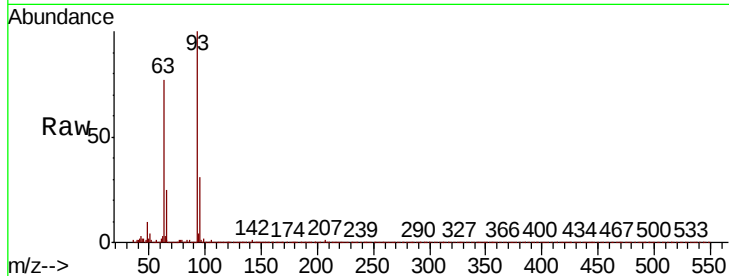




#11
bis(2-Chloroethyl)ether
Concen: 6.859 ng
RT: 6.99 min Scan# 697
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

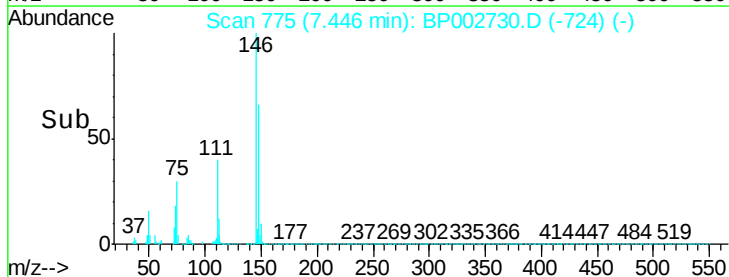
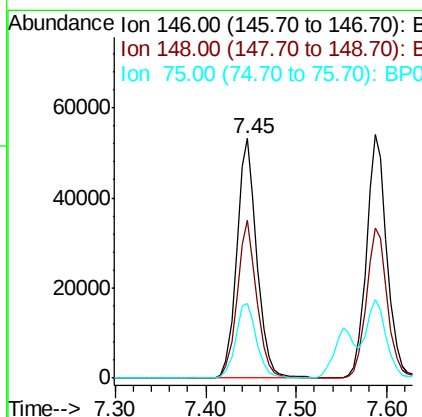
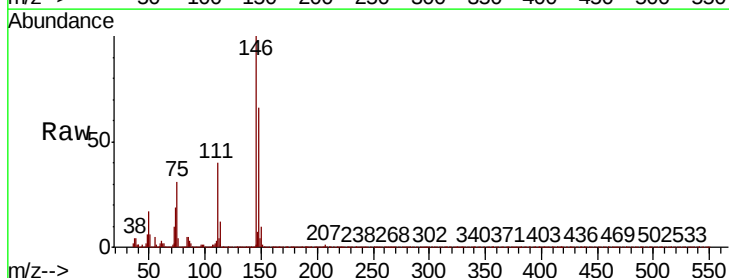
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

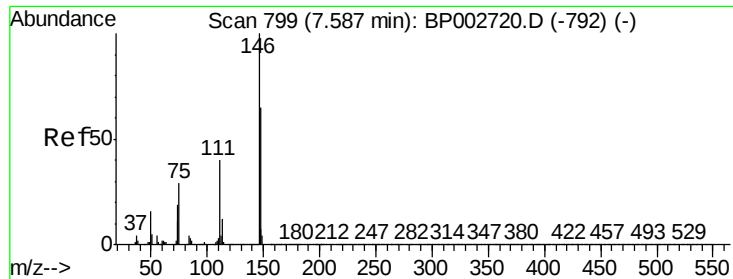
Tot Ion:	93	Resp:	76167
Ion	Ratio	Lower	Upper
93	100		
63	77.2	55.1	95.1
95	31.0	12.7	52.7



#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

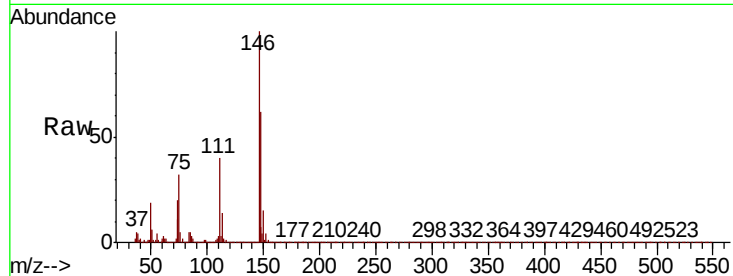
Tot Ion:146 Resp: 84434

Ion Ratio Lower Upper

146 100

148 61.5 52.1 78.1

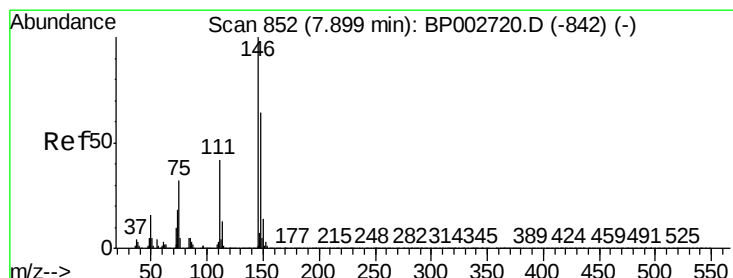
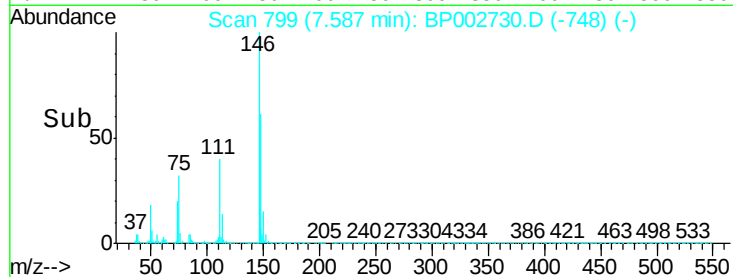
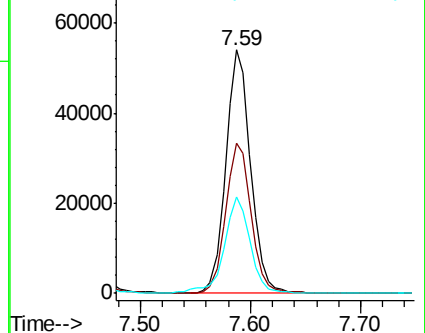
111 39.8 32.2 48.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 7.144 ng

RT: 7.90 min Scan# 852

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

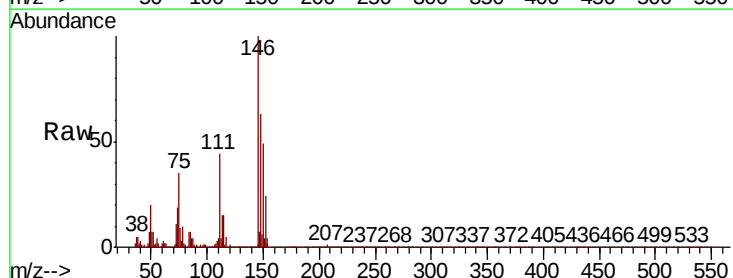
Tgt Ion:146 Resp: 80546

Ion Ratio Lower Upper

146 100

148 63.4 51.0 76.6

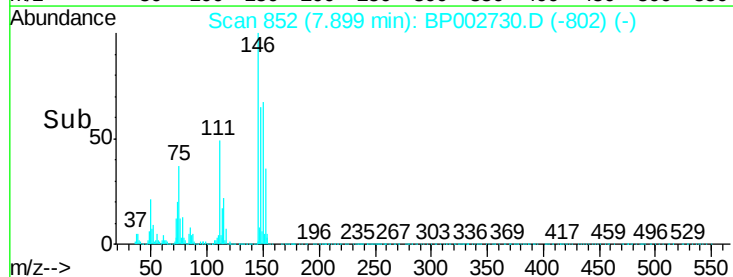
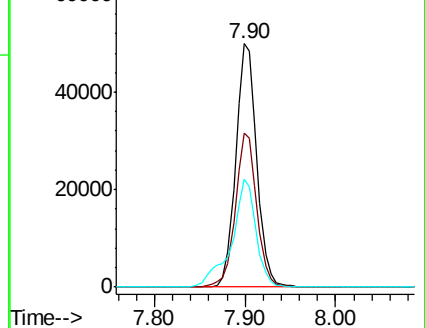
111 44.2 33.9 50.9

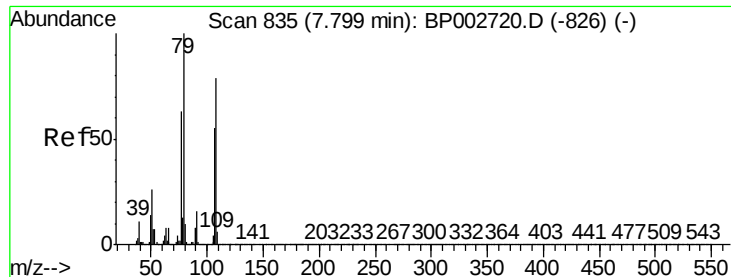


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

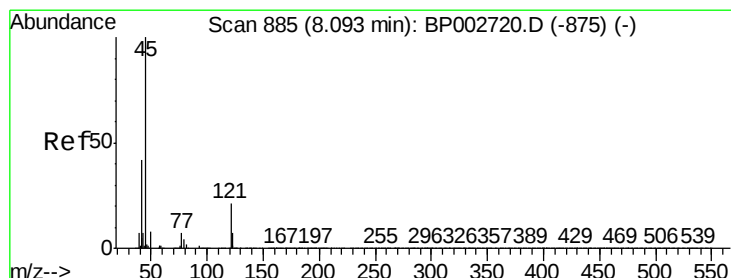
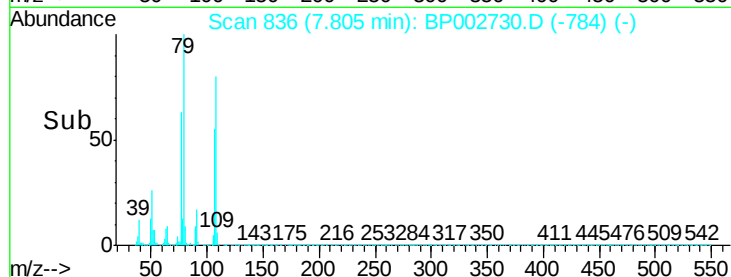
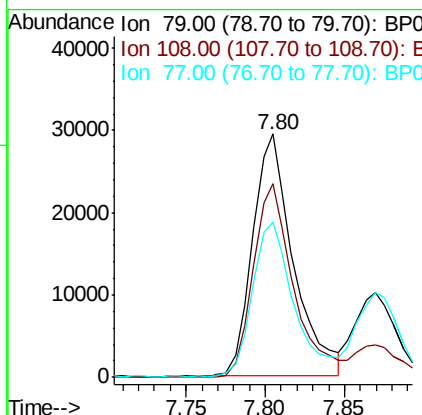
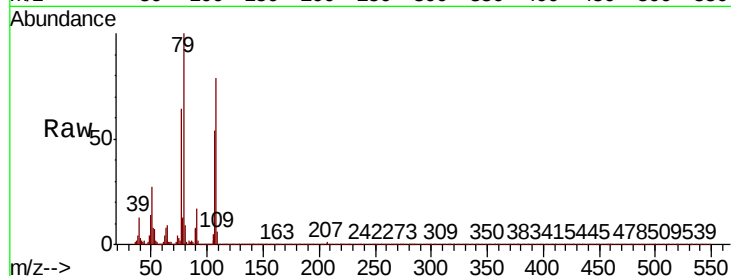




#15
Benzyl Alcohol
Concen: 6.044 ng
RT: 7.80 min Scan# 836
Delta R.T. 0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

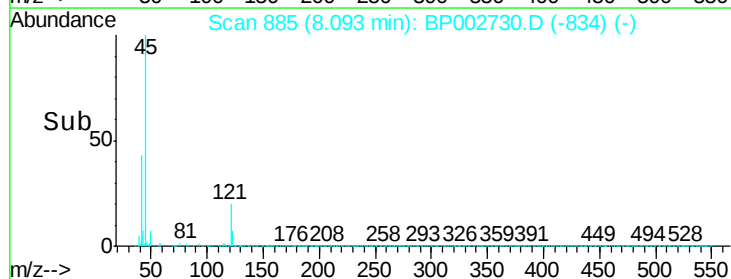
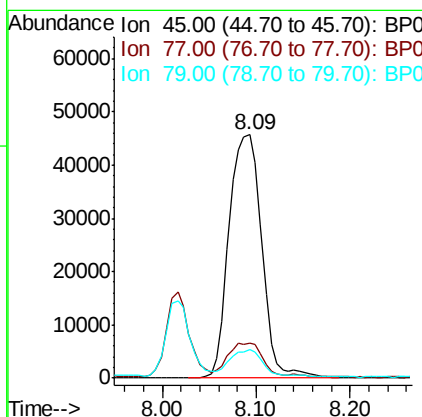
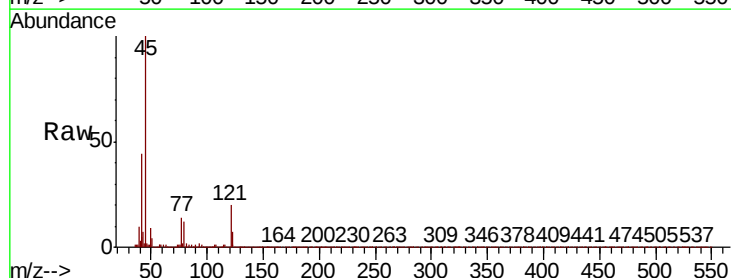
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

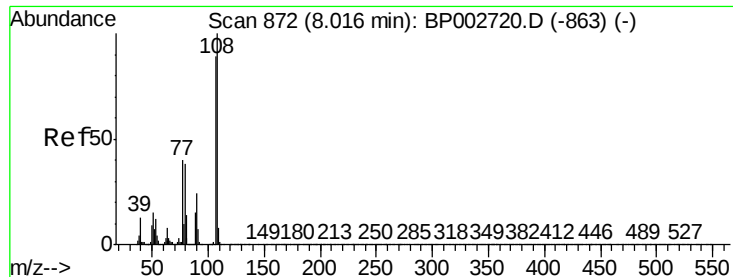
Tot Ion	Ratio	Lower	Upper
79	100		
108	79.4	63.1	94.7
77	63.7	50.8	76.2



#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	Ratio	Lower	Upper
45	100		
77	14.2	0.0	34.8
79	11.8	0.0	31.6

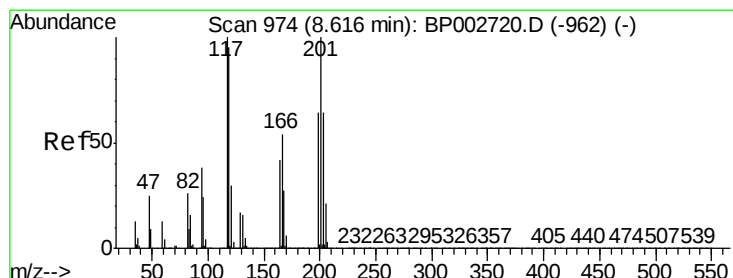
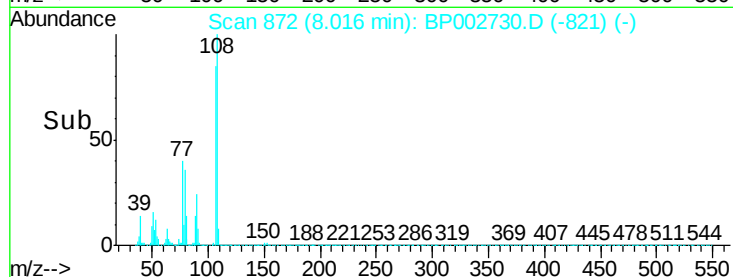
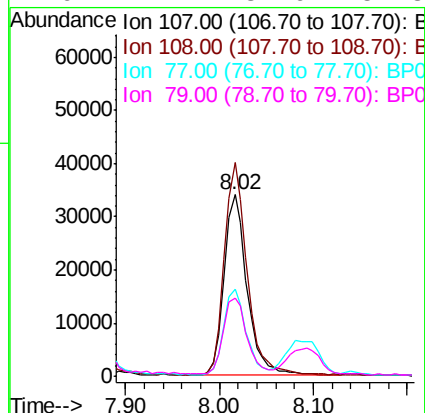
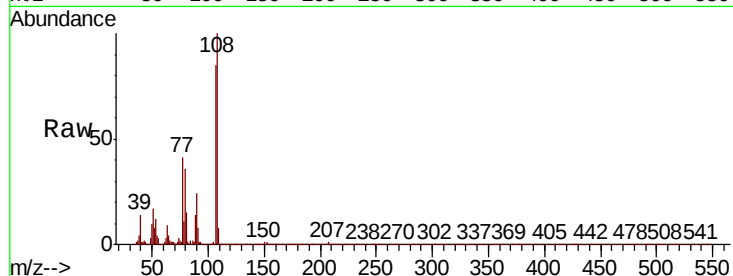




#17
2-Methylphenol
Concen: 6.161 ng
RT: 8.02 min Scan# 872
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

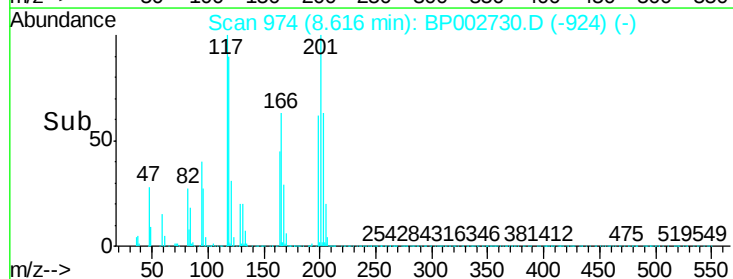
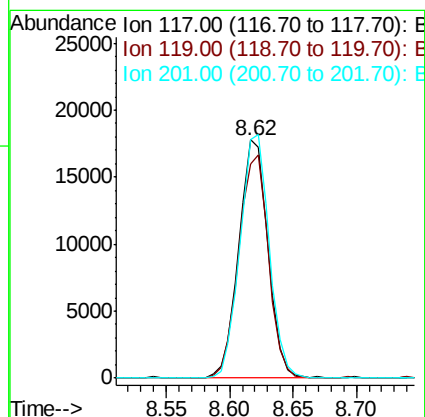
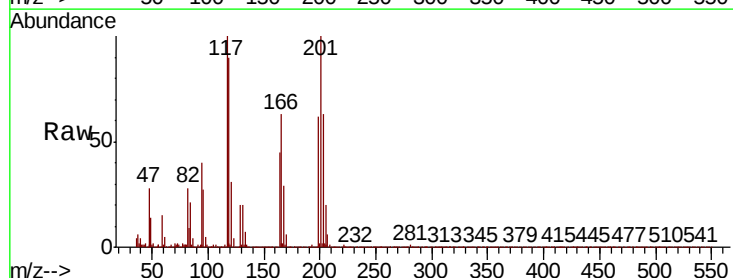
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

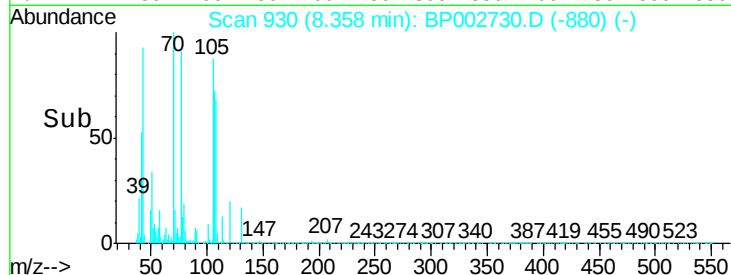
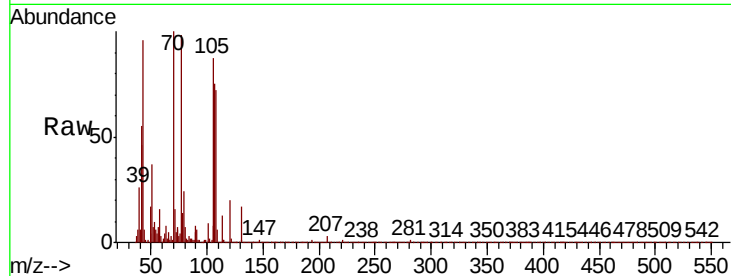
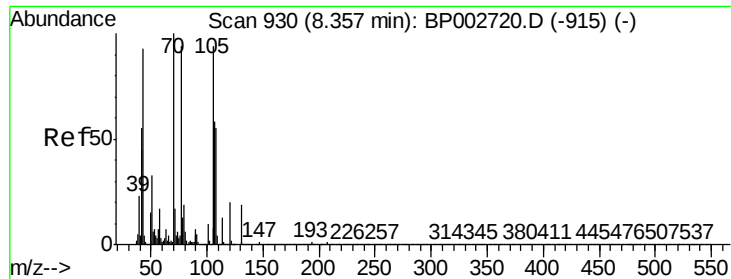
Tot Ion:	107	Resp:	58592
Ion	Ratio	Lower	Upper
107	100		
108	117.7	89.9	134.9
77	47.7	36.6	54.8
79	42.7	34.9	52.3



#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

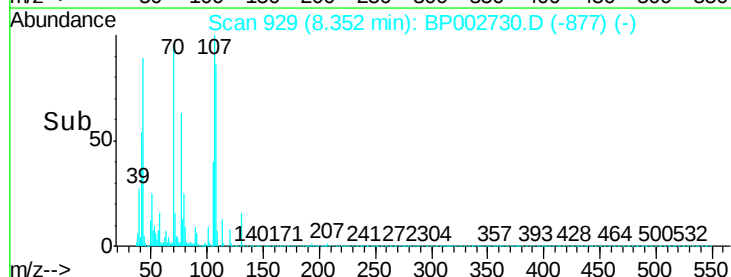
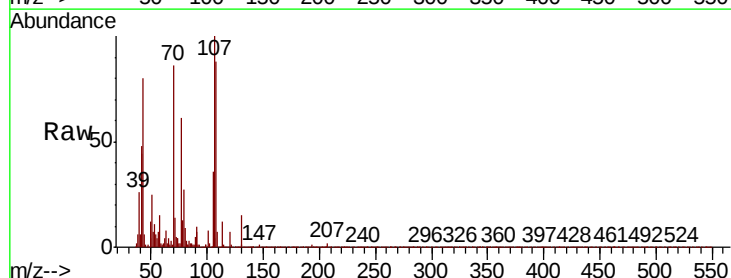
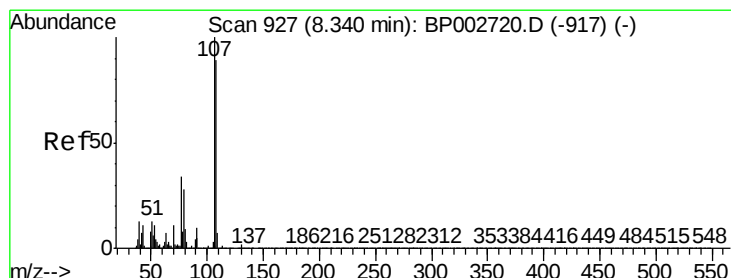
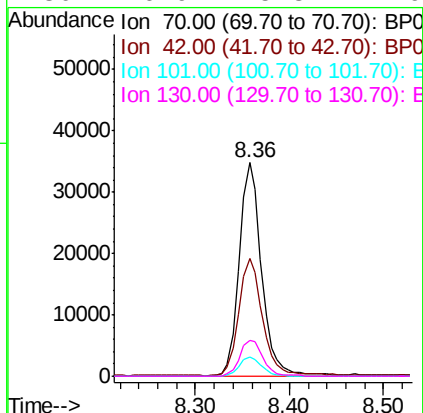




#19
n-Nitroso-di-n-propylamine
Concen: 7.230 ng
RT: 8.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

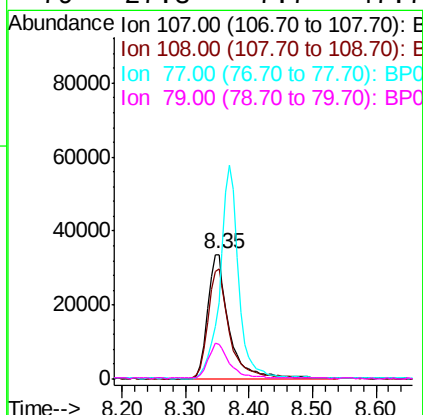
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

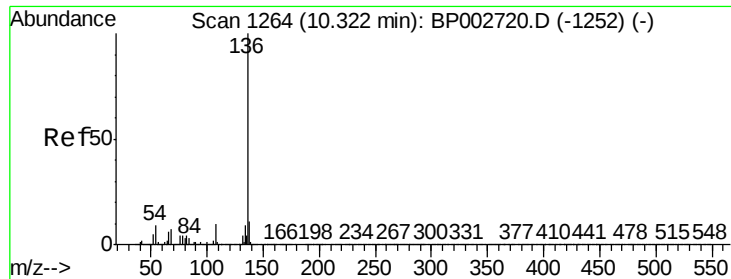
Tot Ion:	70	Resp:	57375
Ion	Ratio	Lower	Upper
70	100		
42	54.9	44.2	66.4
101	8.8	7.7	11.5
130	16.9	15.3	22.9



#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

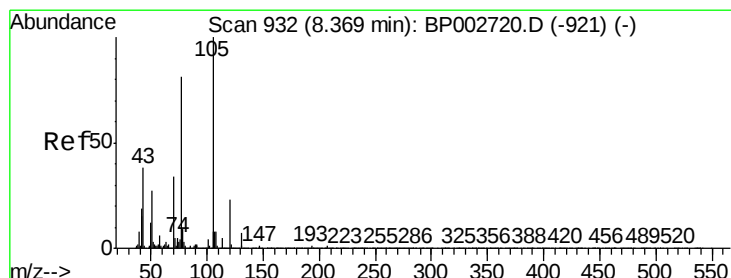
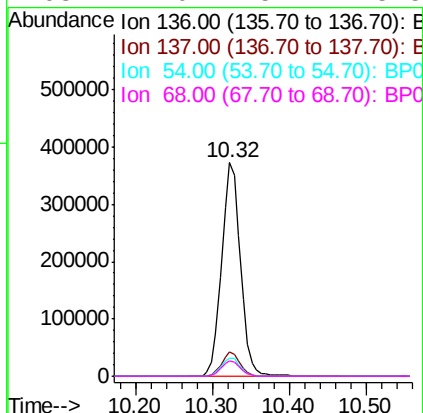
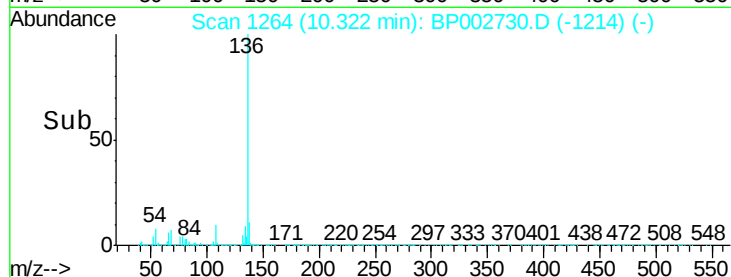
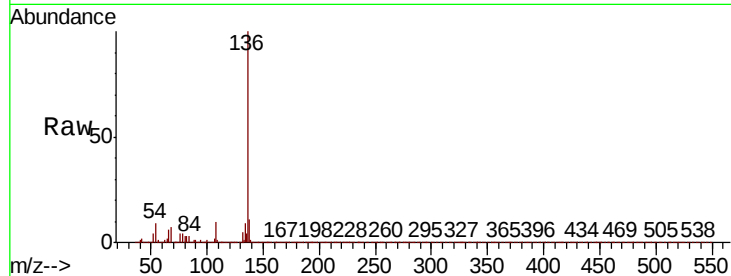




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

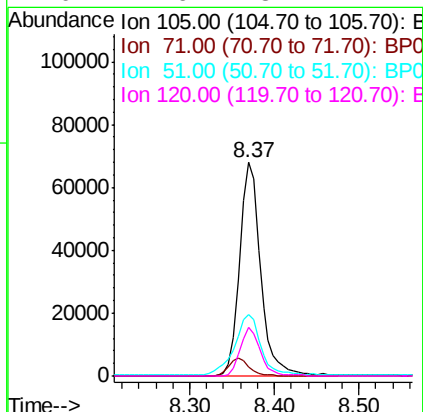
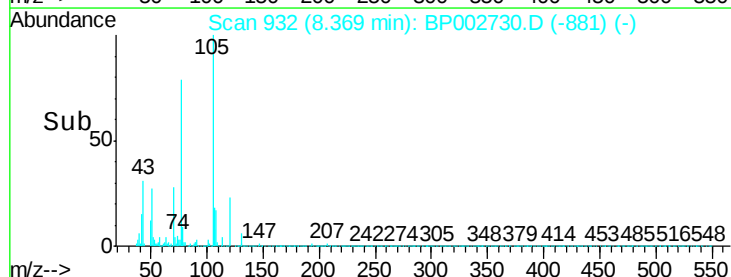
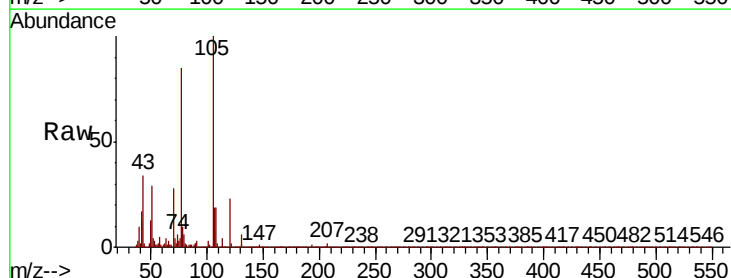
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

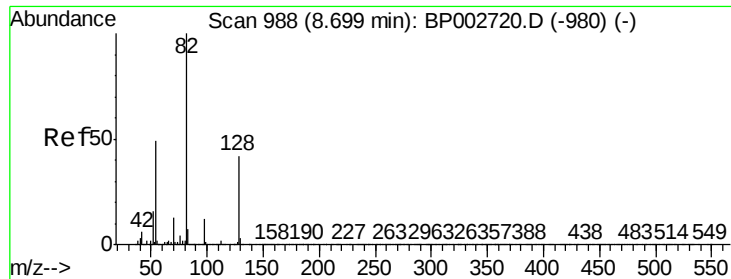
Tot Ion:136	Resp:	632700	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	8.6	13.0	
54 8.5	6.9	10.3	
68 7.0	5.7	8.5	



#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

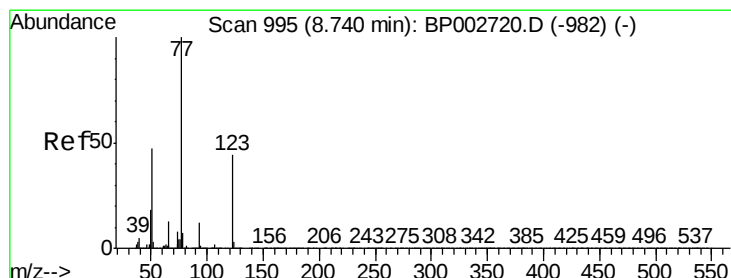
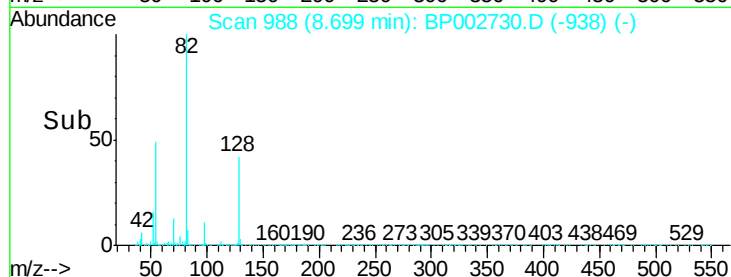
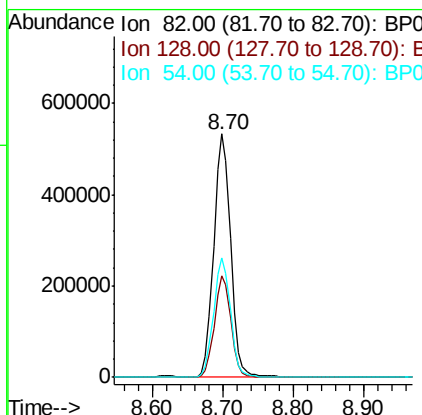
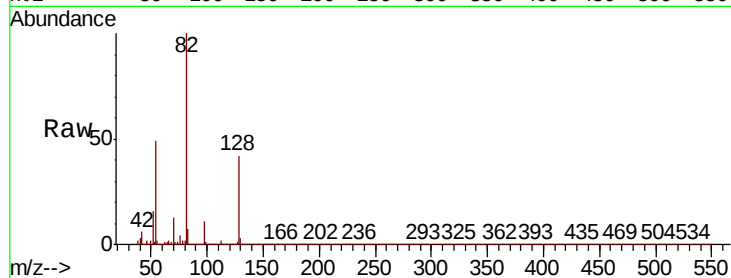




#23
 Nitrobenzene-d5
 Concen: 75.213 ng
 RT: 8.70 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

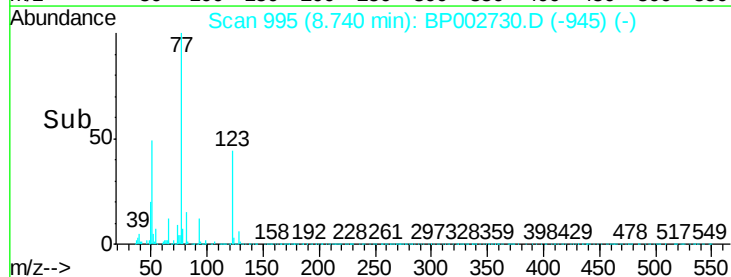
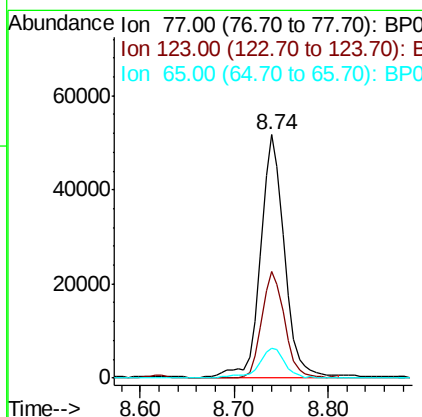
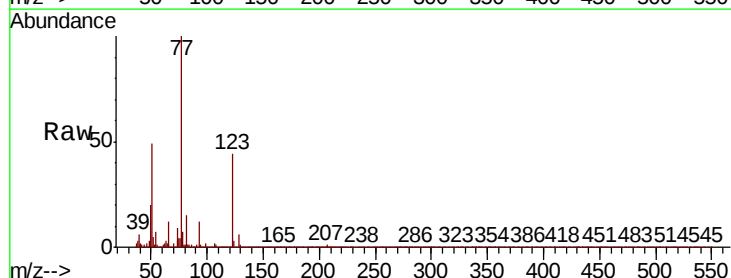
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

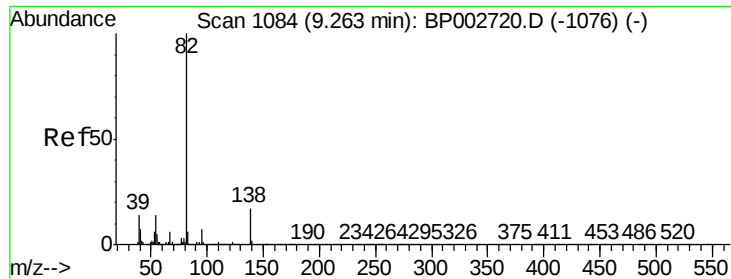
Tot Ion	82	Resp	889751
Ion Ratio	Lower	Upper	
82	100		
128	41.8	33.8	50.8
54	48.9	38.8	58.2



#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	Lower	Upper	
77	100		
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

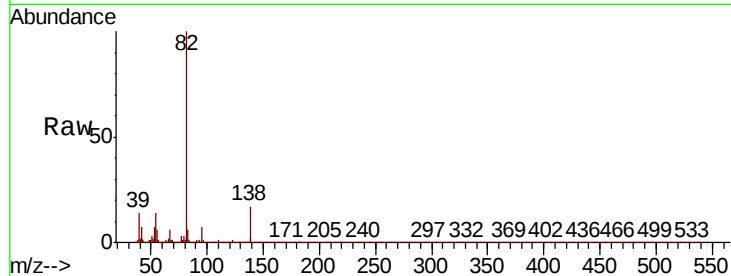
Tot Ion: 82 Resp: 153076

Ion Ratio Lower Upper

82 100

95 6.8 5.2 7.8

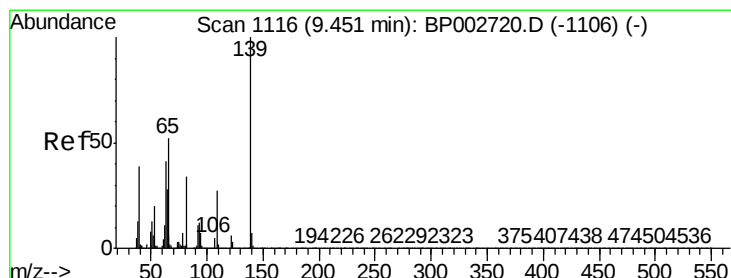
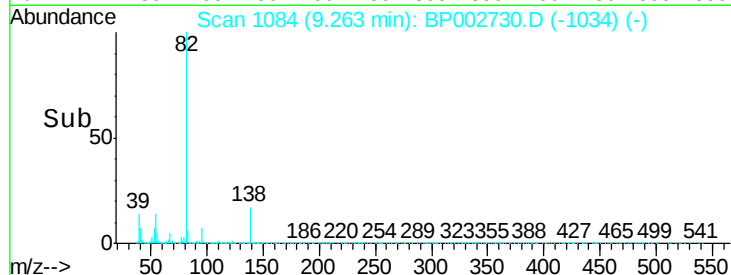
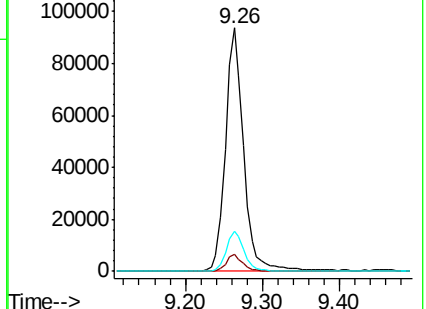
138 16.6 13.2 19.8



Abundance Ion 82.00 (81.70 to 82.70): BP002730.D (-1034) (-)

Ion 95.00 (94.70 to 95.70): BP002730.D (-1034) (-)

Ion 138.00 (137.70 to 138.70): BP002730.D (-1034) (-)



#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

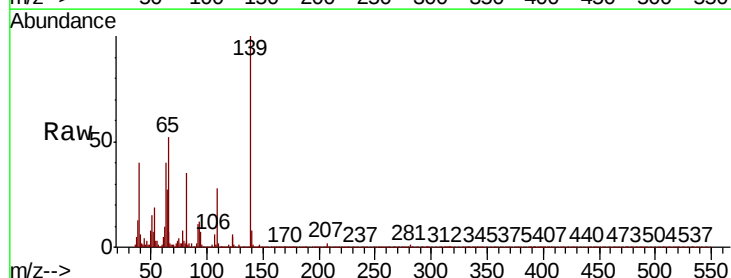
Tgt Ion: 139 Resp: 32423

Ion Ratio Lower Upper

139 100

109 28.1 21.9 32.9

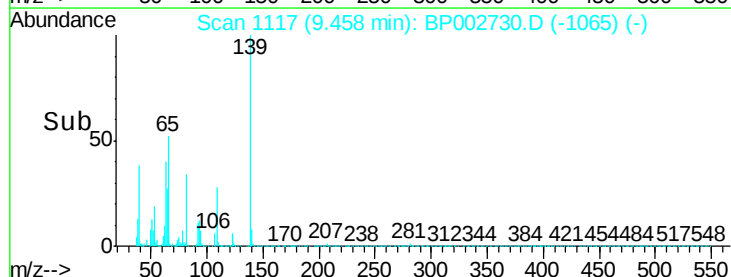
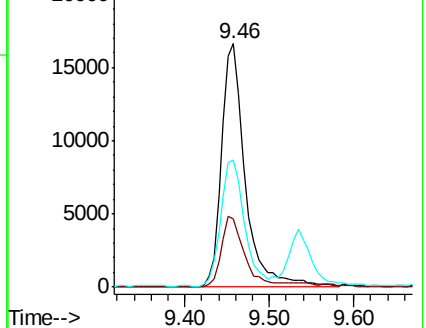
65 52.5 41.3 61.9

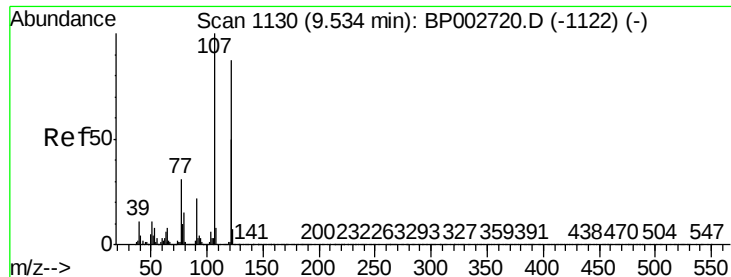


Abundance Ion 139.00 (138.70 to 139.70): BP002730.D (-1065) (-)

Ion 109.00 (108.70 to 109.70): BP002730.D (-1065) (-)

Ion 65.00 (64.70 to 65.70): BP002730.D (-1065) (-)

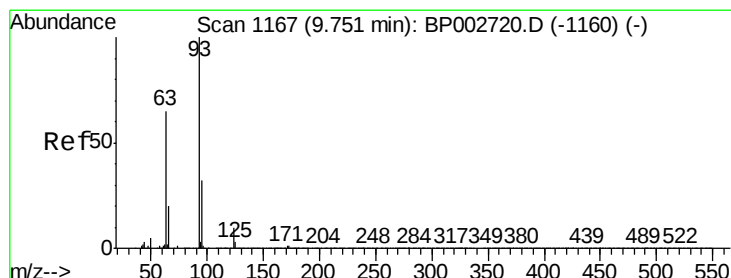
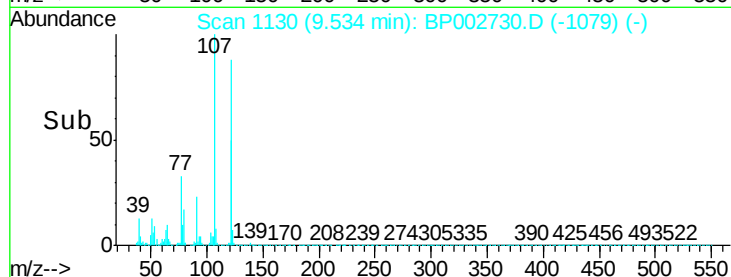
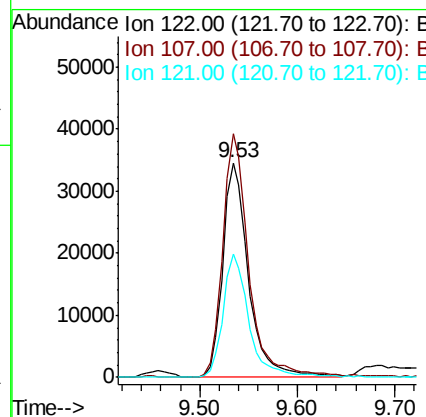
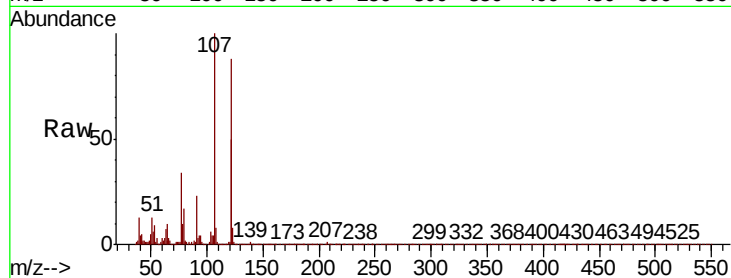




#27
2,4-Dimethylphenol
Concen: 6.994 ng
RT: 9.53 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

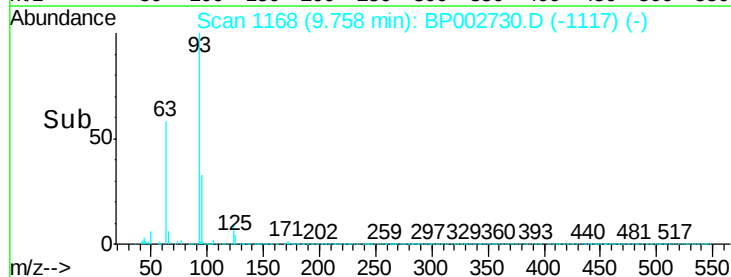
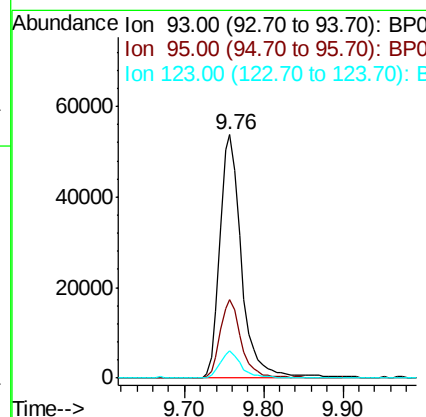
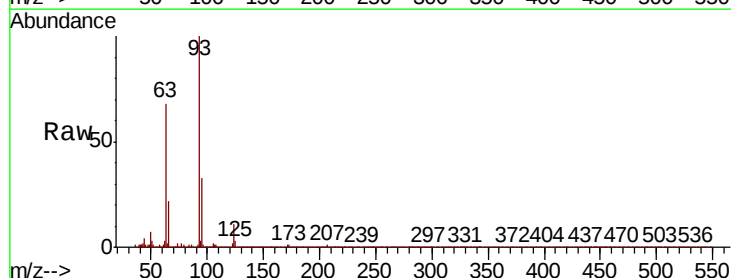
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

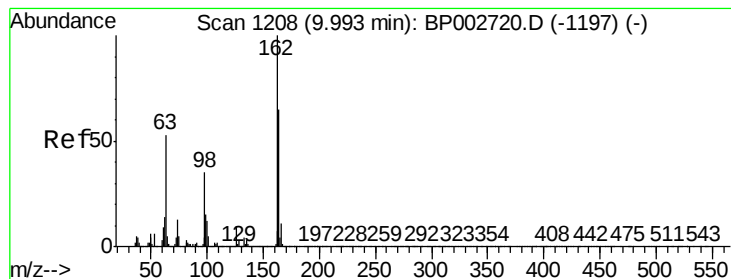
Tot Ion	Ratio	Lower	Upper
122	100		
107	113.4	92.2	138.4
121	57.2	45.8	68.6



#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	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

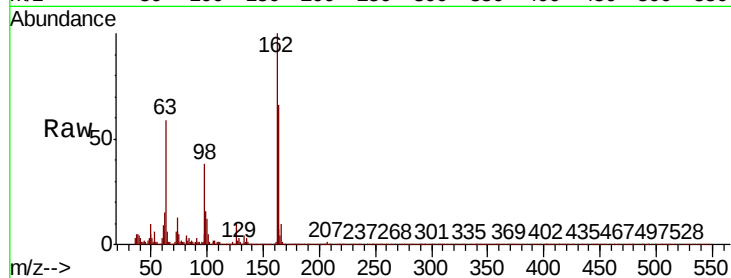
Tot Ion:162 Resp: 61662

Ion Ratio Lower Upper

162 100

164 65.9 44.5 84.5

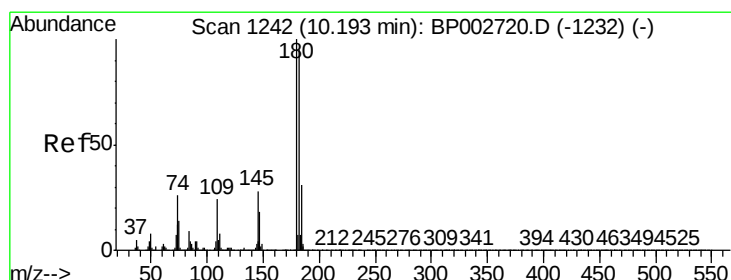
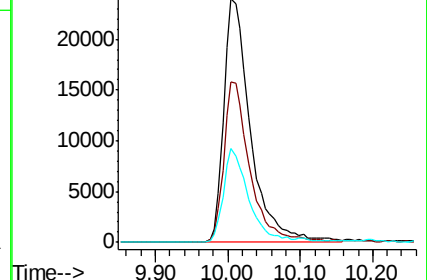
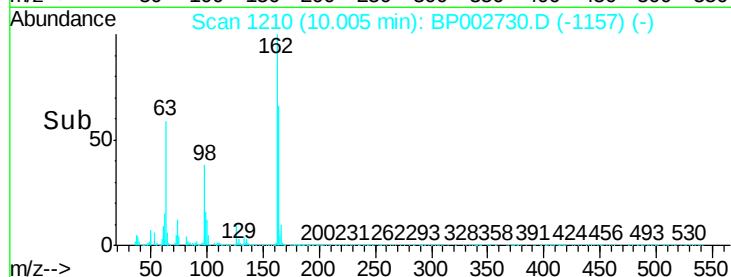
98 38.3 15.2 55.2



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): BPO



#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

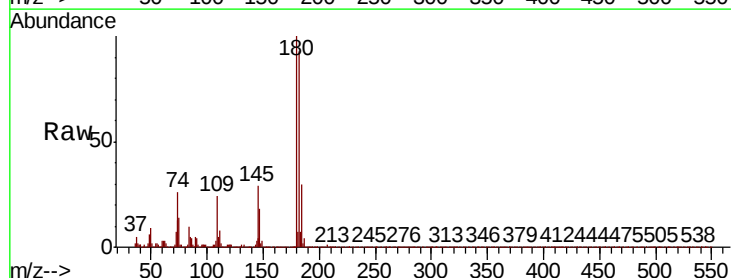
Tgt Ion:180 Resp: 77776

Ion Ratio Lower Upper

180 100

182 93.5 75.8 113.6

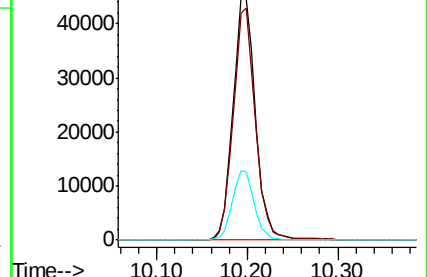
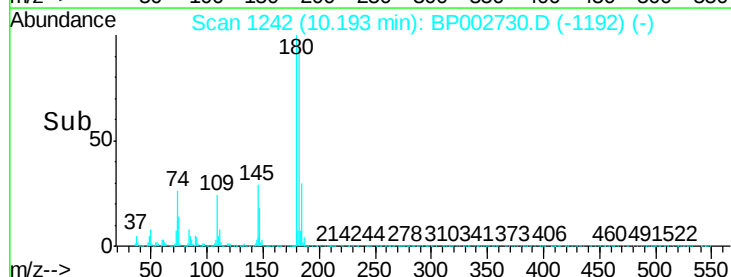
145 28.5 22.6 34.0

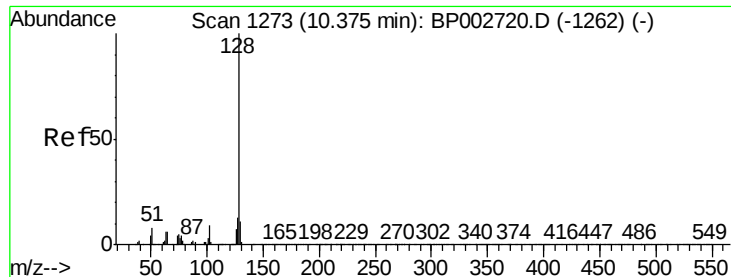


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

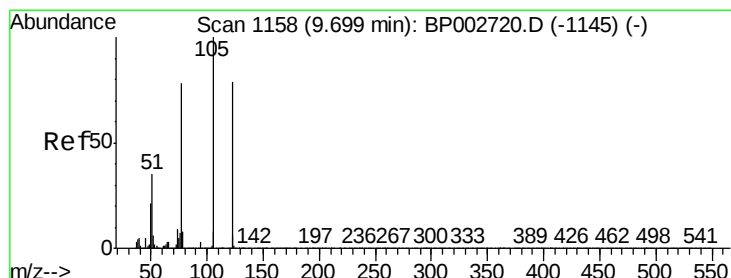
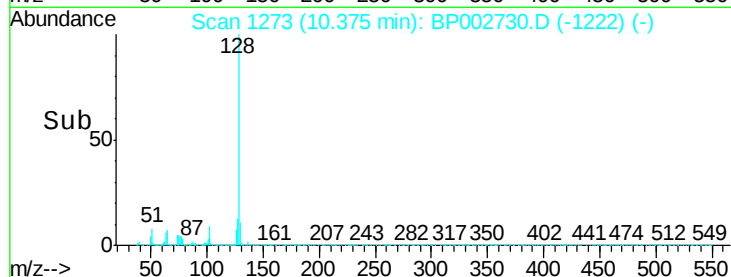
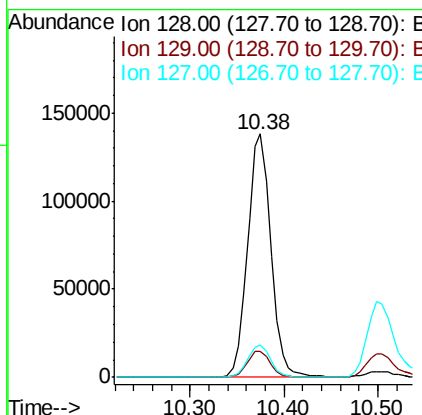
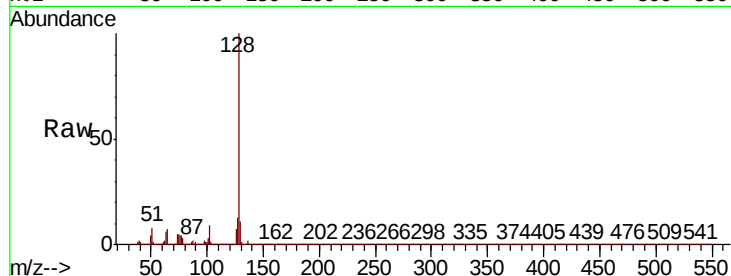




#31
Naphthalene
Concen: 7.085 ng
RT: 10.38 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

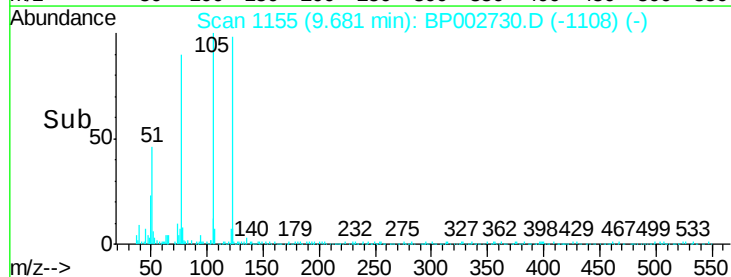
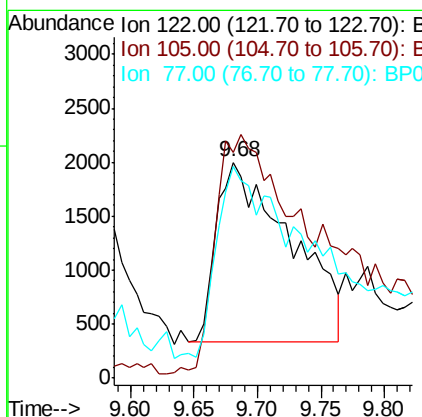
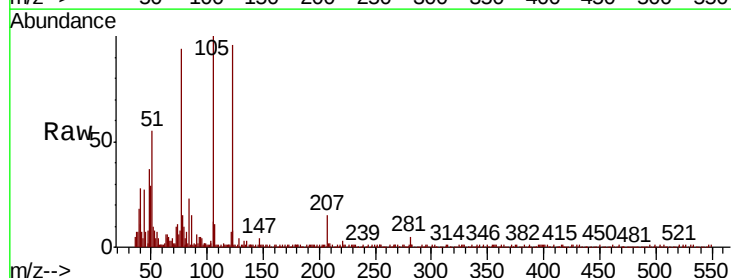
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

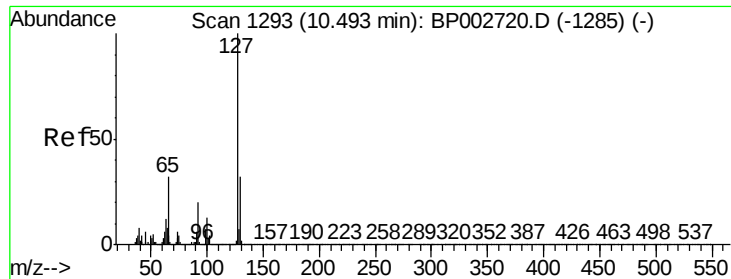
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	13.1	10.6	15.8



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

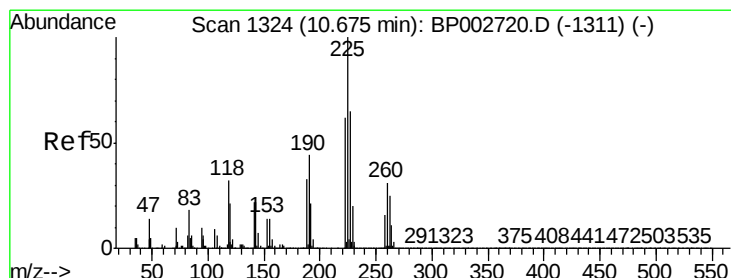
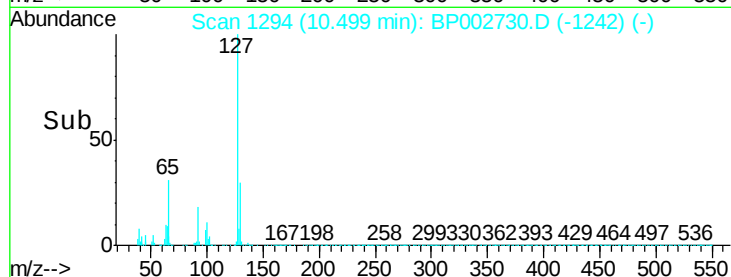
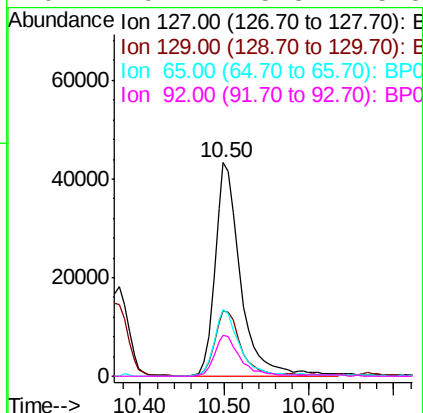
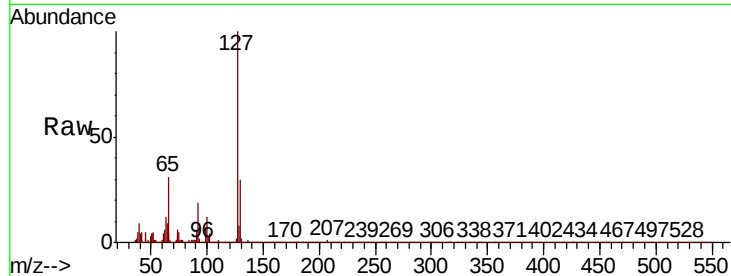




#33
4-Chloroaniline
Concen: 6.368 ng
RT: 10.50 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

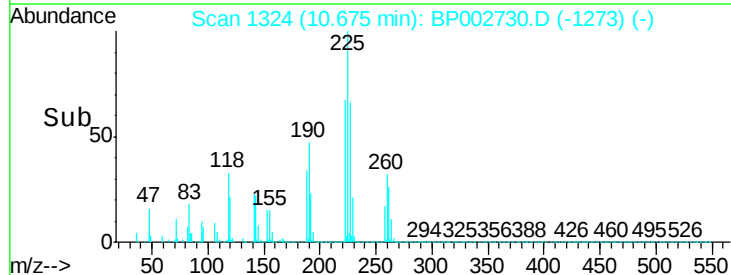
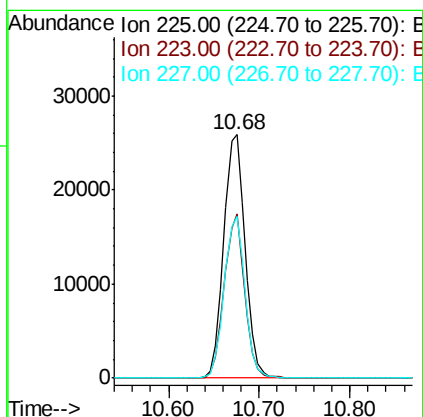
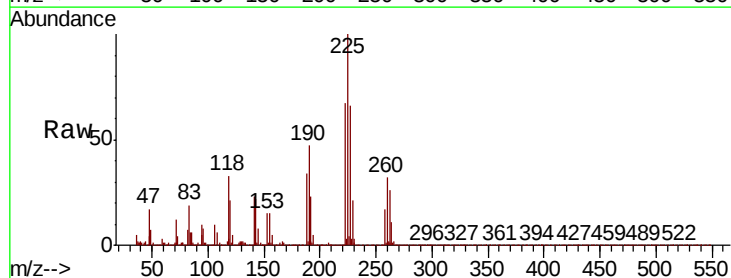
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

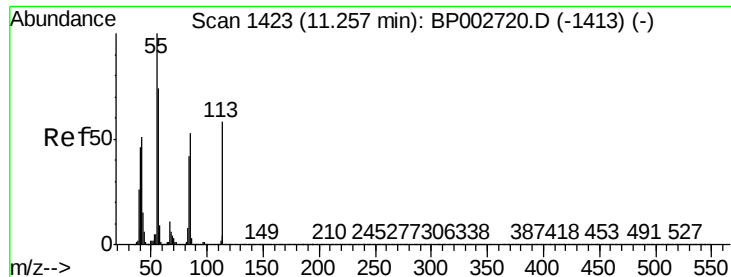
Tot Ion:	127	Resp:	91150
Ion	Ratio	Lower	Upper
127	100		
129	30.5	25.3	37.9
65	31.4	25.4	38.2
92	19.2	15.8	23.8



#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

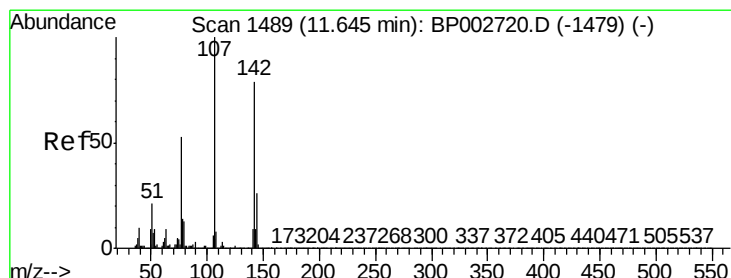
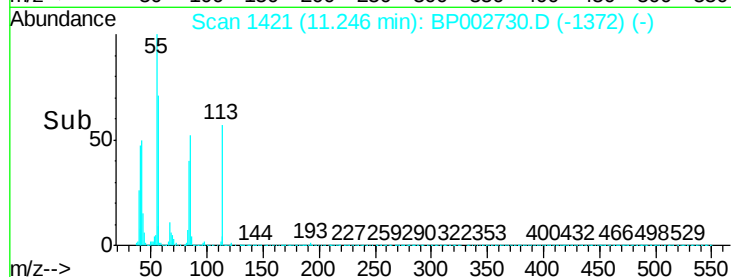
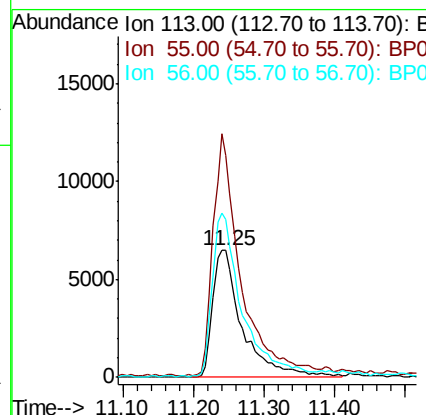
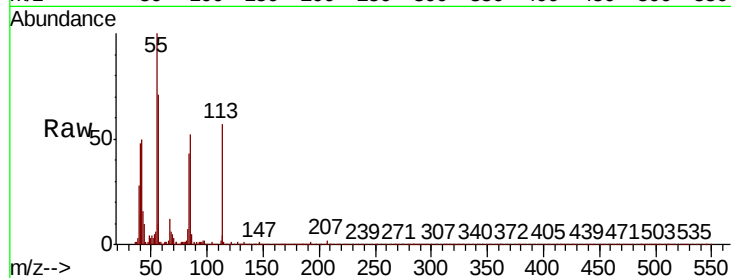




#35
Caprolactam
Concen: 5.511 ng
RT: 11.25 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

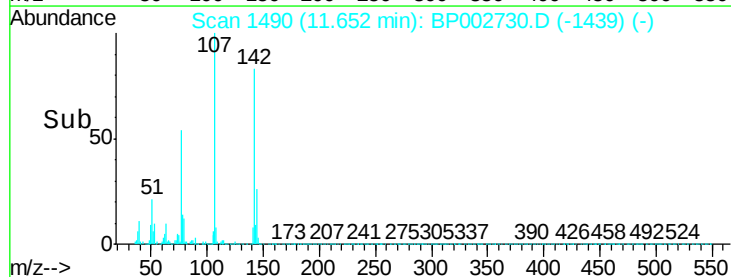
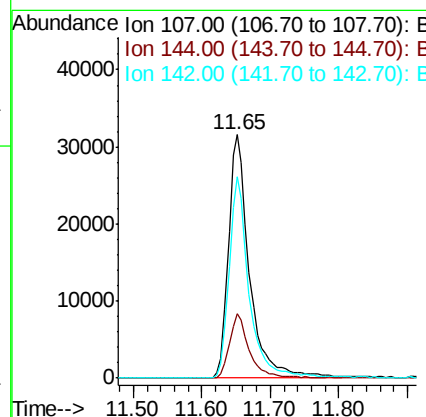
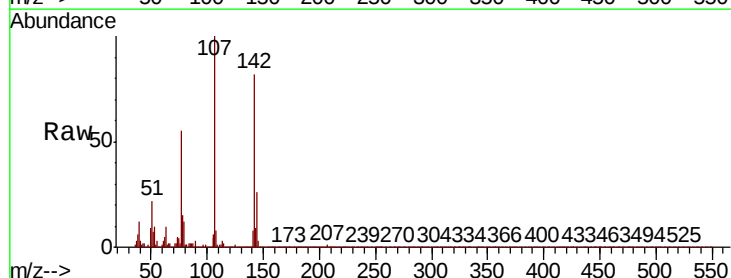
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

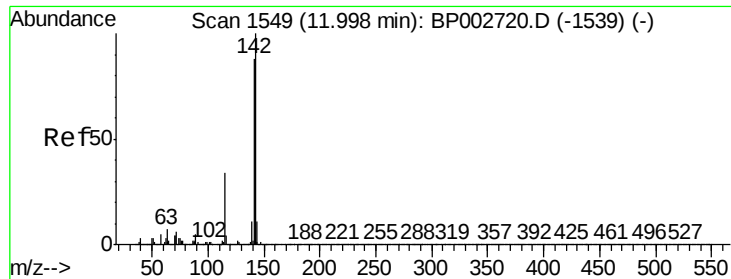
Tot Ion:113 Resp: 19084
Ion Ratio Lower Upper
113 100
55 174.9 152.8 192.8
56 124.3 107.5 147.5



#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

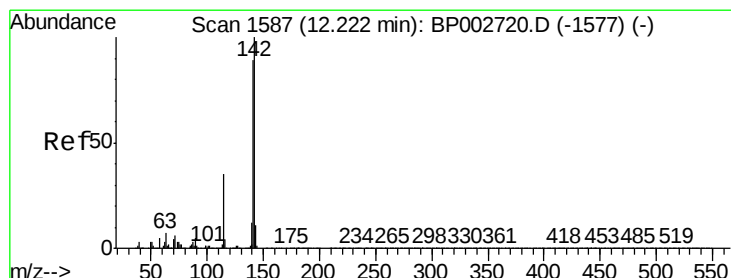
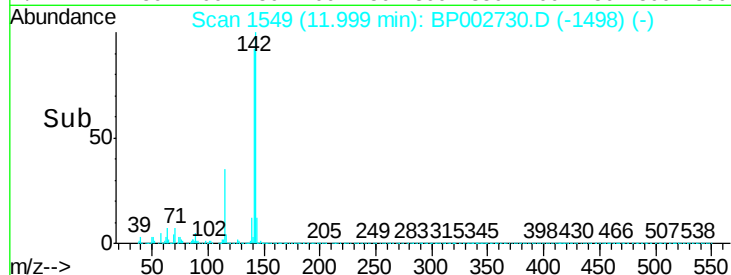
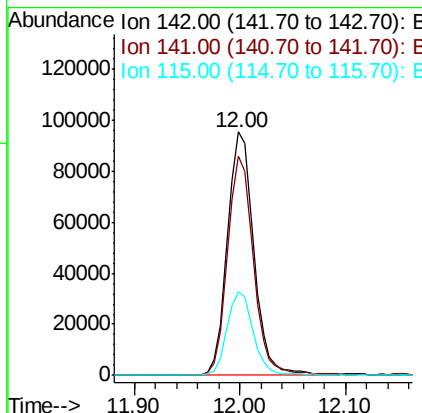
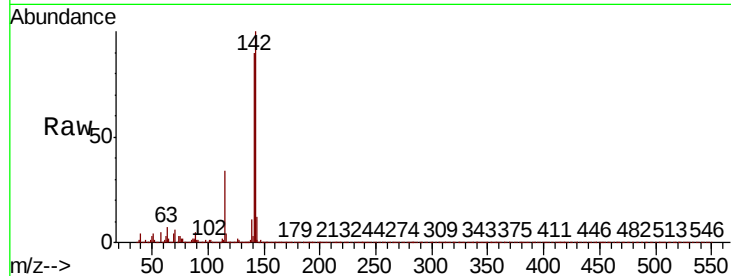




#37
2-Methylnaphthalene
Concen: 7.011 ng
RT: 12.00 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

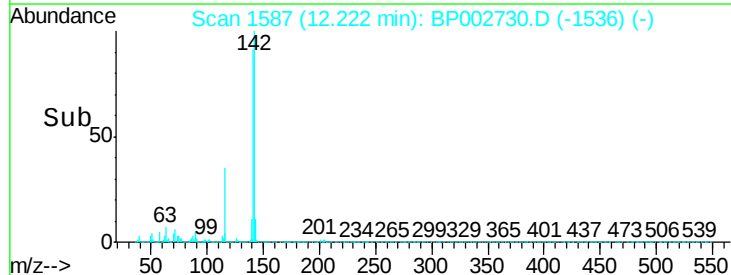
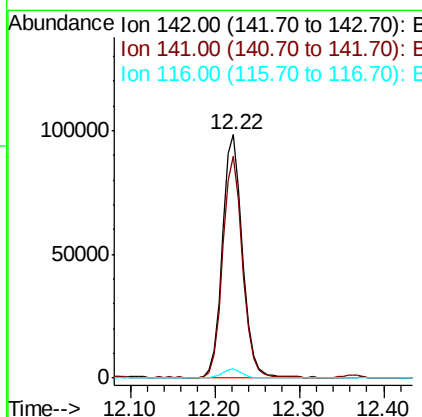
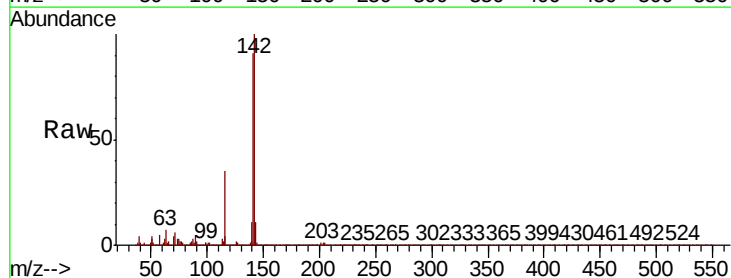
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

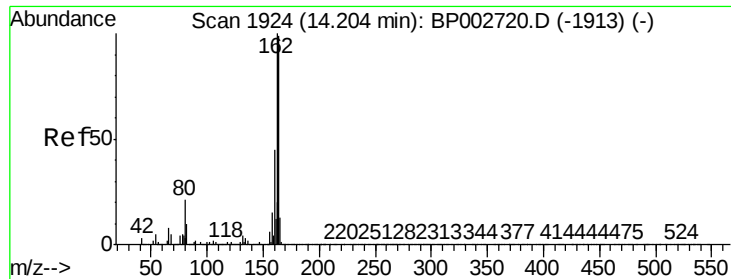
Tot Ion:142 Resp: 165269
Ion Ratio Lower Upper
142 100
141 90.3 70.4 105.6
115 34.5 27.0 40.6



#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:142 Resp: 160587
Ion Ratio Lower Upper
142 100
141 91.4 71.5 107.3
116 3.8 2.9 4.3

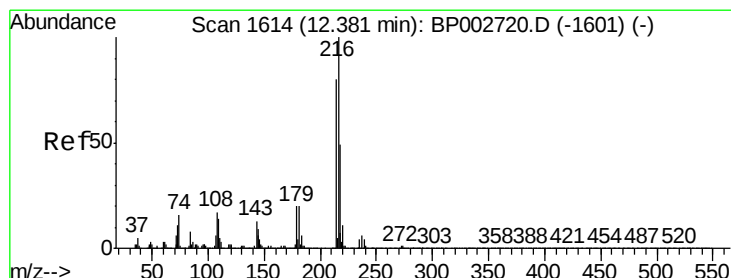
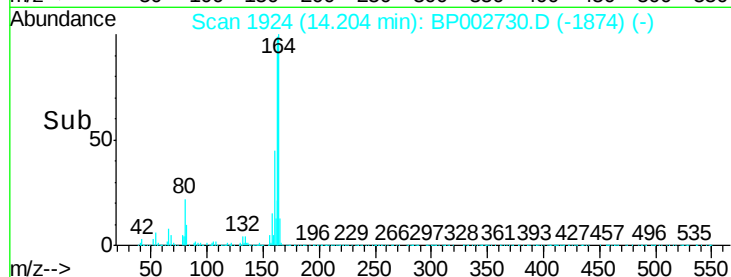
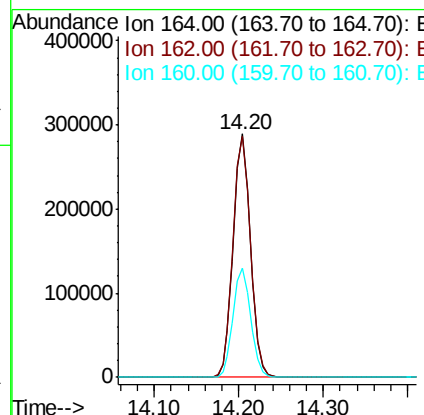
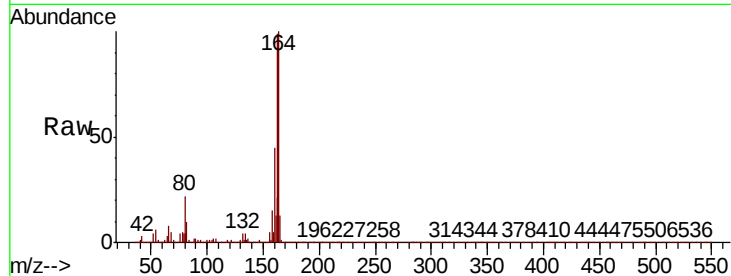




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.20 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

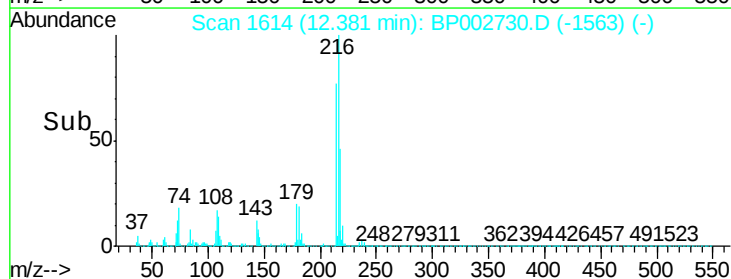
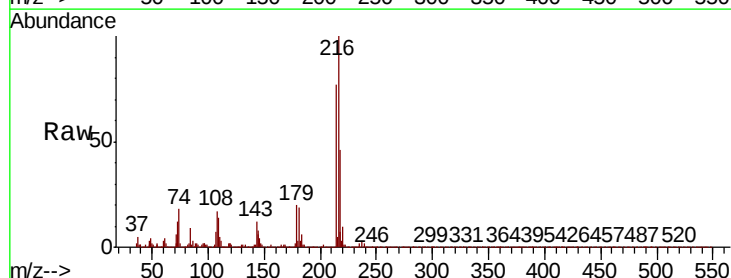
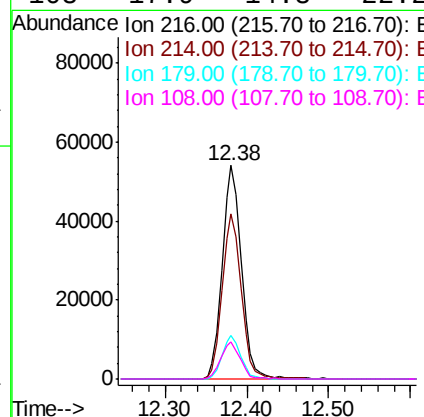
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.6	121.0
160	44.7	36.4	54.6



#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	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

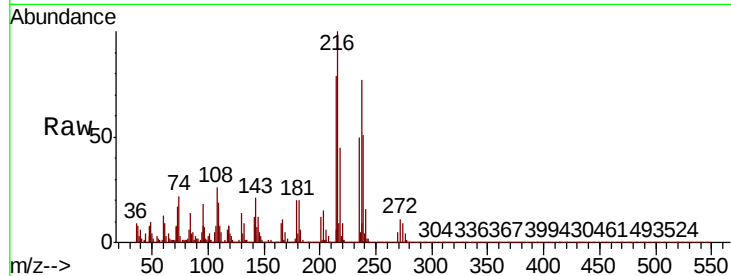




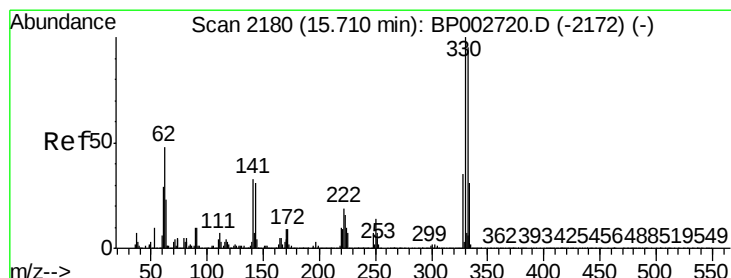
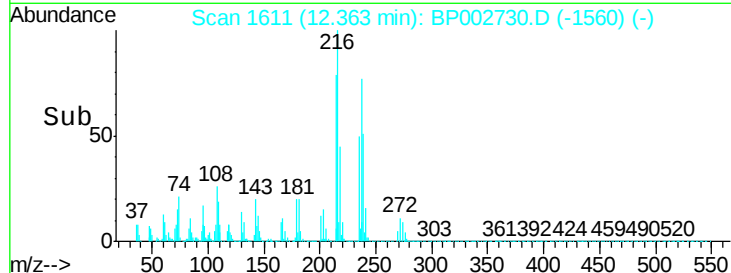
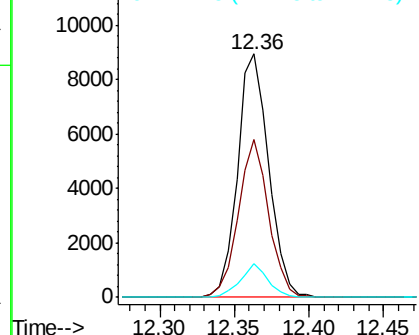
#41
Hexachlorocyclopentadiene
Concen: 9.561 ng
RT: 12.36 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

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

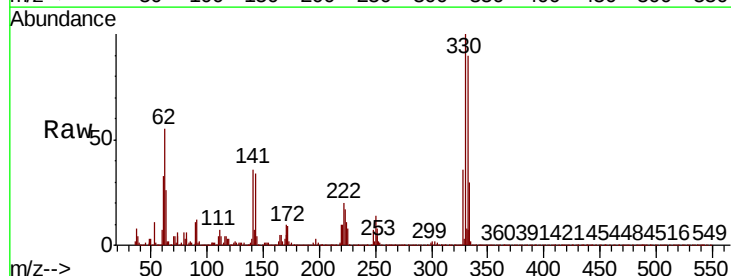


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

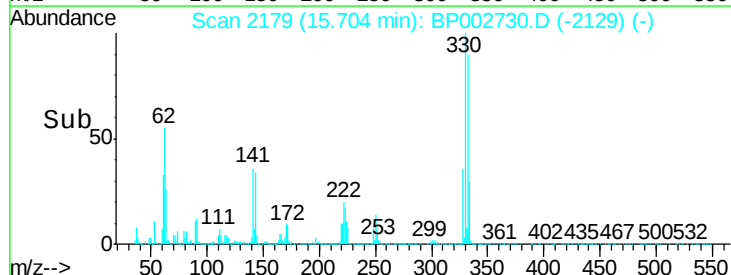
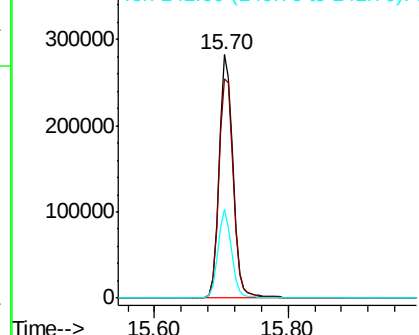


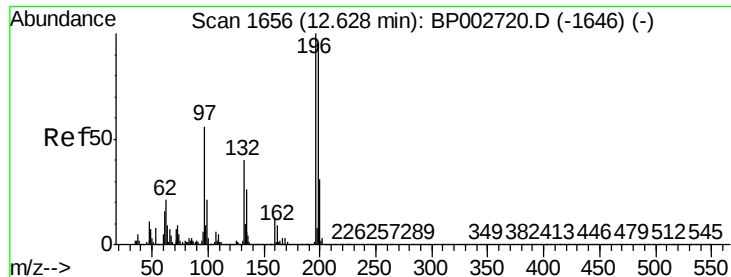
#42
2,4,6-Tribromophenol
Concen: 98.467 ng
RT: 15.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

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



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

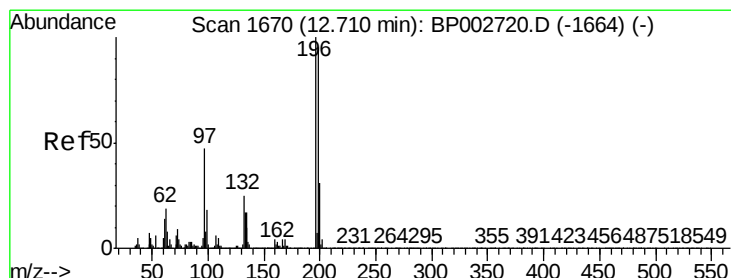
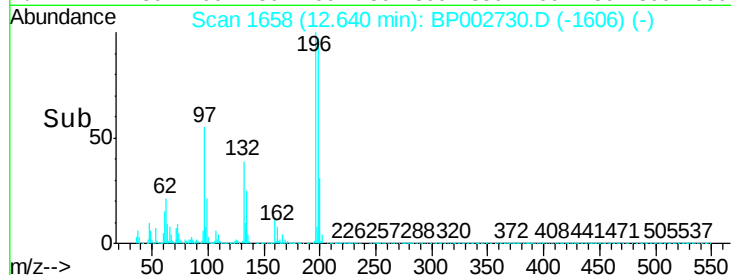
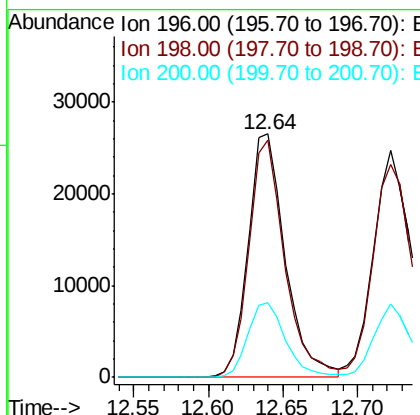
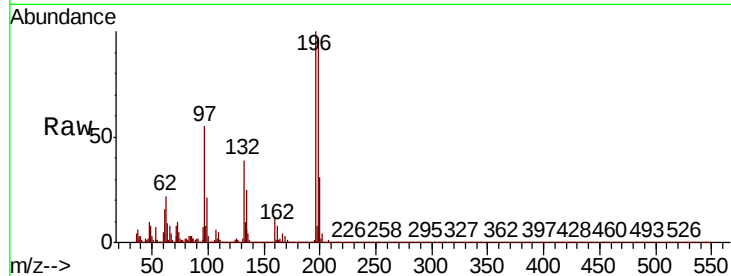




#43
 2,4,6-Trichlorophenol
 Concen: 5.686 ng
 RT: 12.64 min Scan# 1658
 Delta R.T. 0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

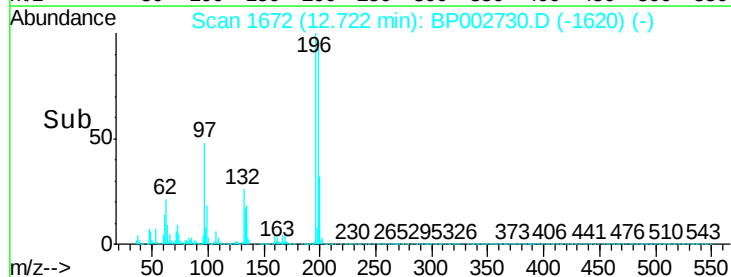
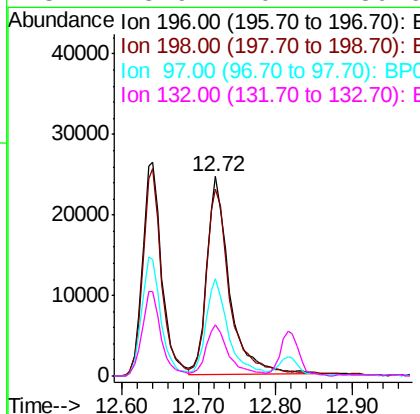
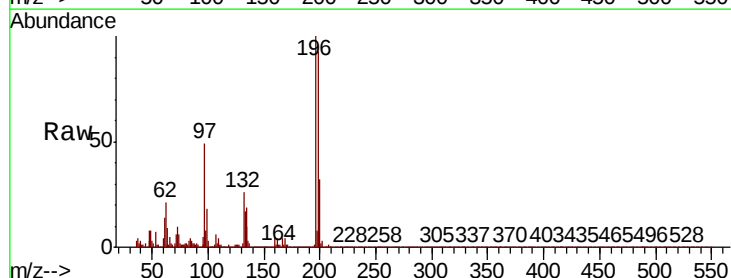
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

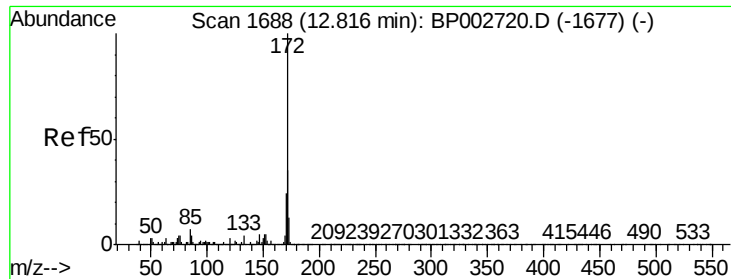
Tot Ion:196 Resp: 45504
 Ion Ratio Lower Upper
 196 100
 198 97.2 75.8 113.6
 200 30.8 24.5 36.7



#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

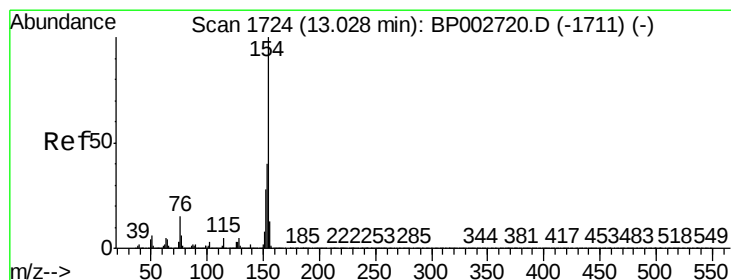
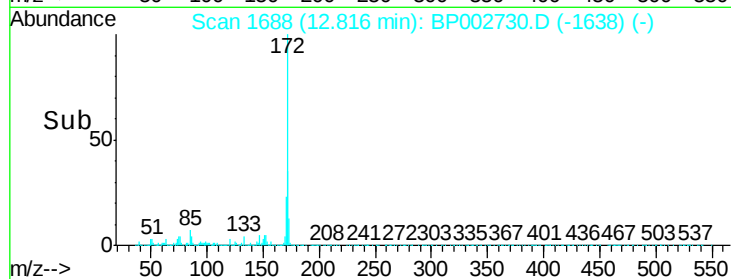
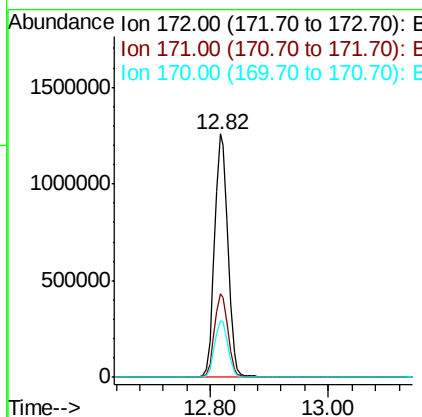
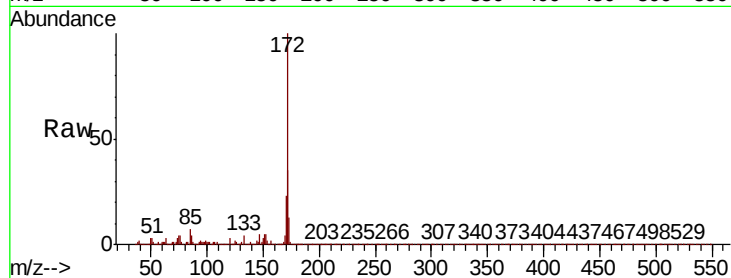




#45
2-Fluorobiphenyl
Concen: 75.549 ng
RT: 12.82 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

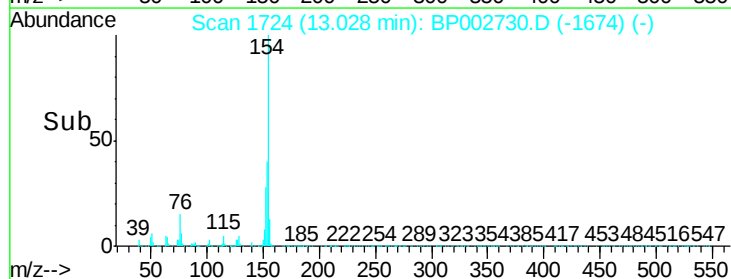
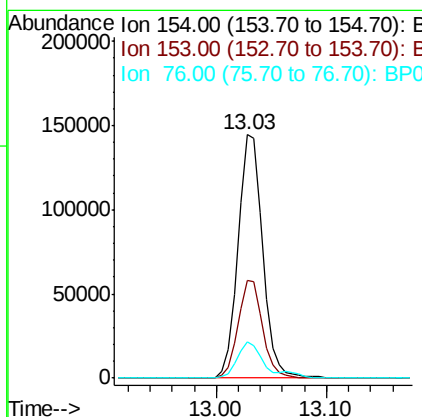
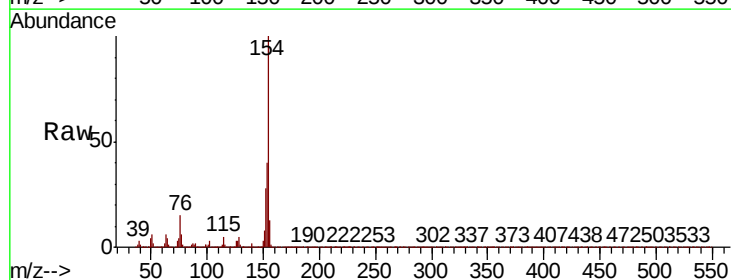
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

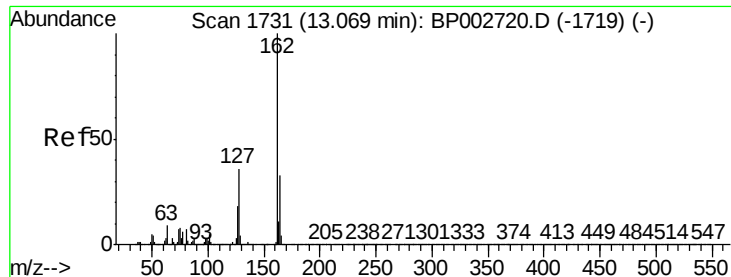
Tot Ion:172 Resp: 1986835
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.4 19.3 28.9



#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

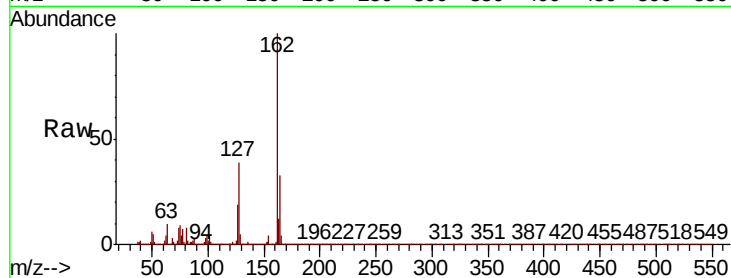




#47
2-Chloronaphthalene
Concen: 6.734 ng
RT: 13.06 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

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

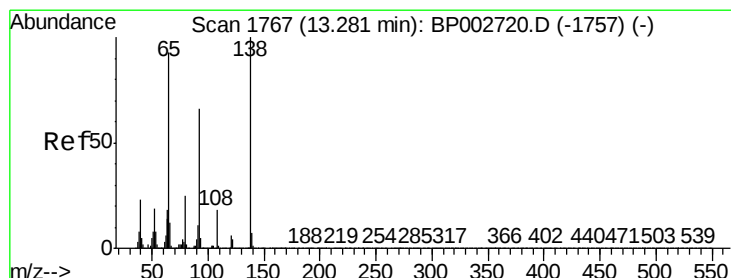
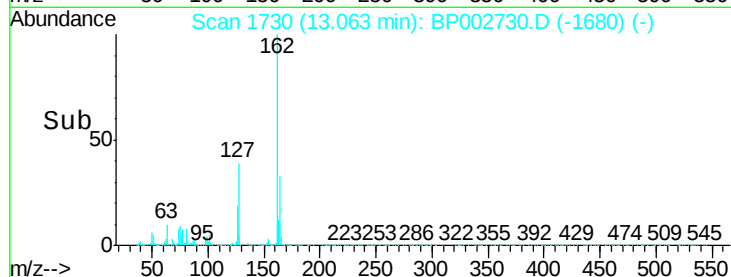
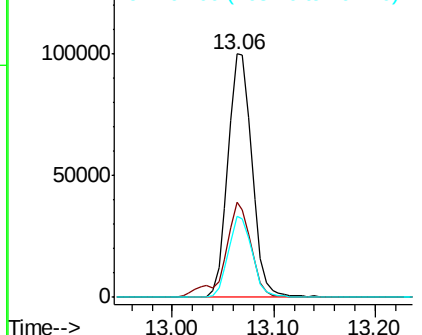


Abundance

Ion 162.00 (161.70 to 162.70): E

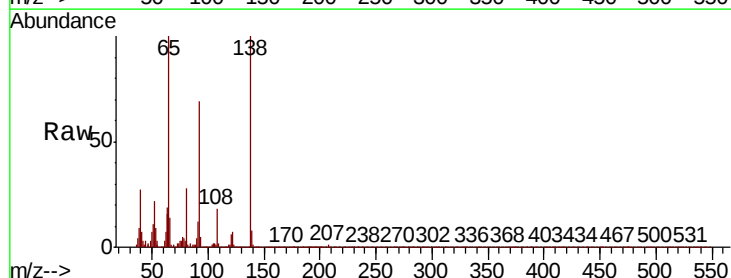
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48
2-Nitroaniline
Concen: 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

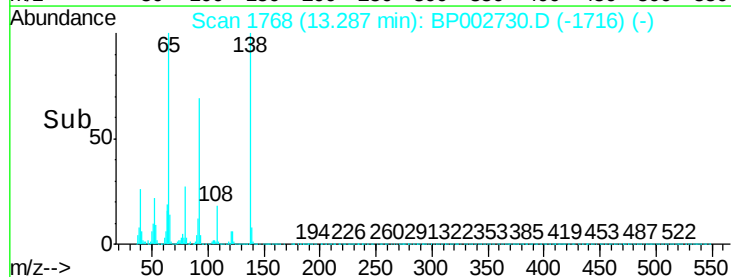
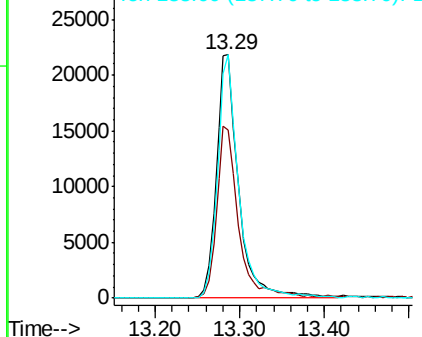


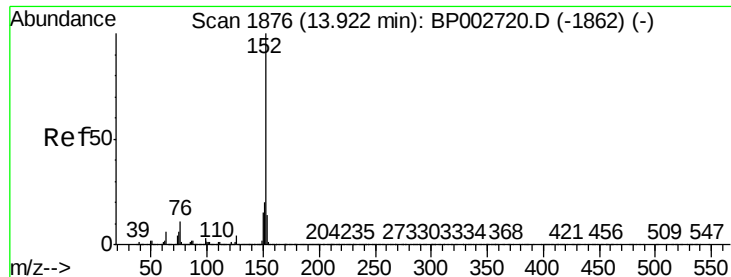
Abundance

Ion 65.00 (64.70 to 65.70): BP0

Ion 92.00 (91.70 to 92.70): BP0

Ion 138.00 (137.70 to 138.70): E





#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

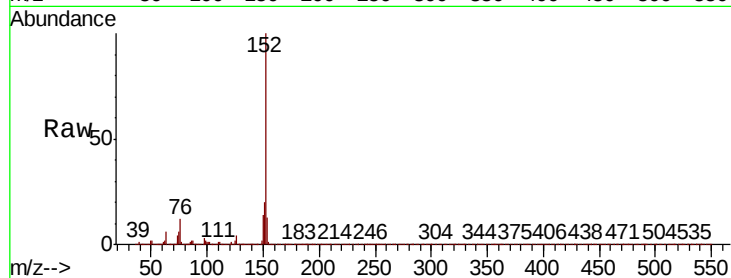
Tot Ion:152 Resp: 263948

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.4

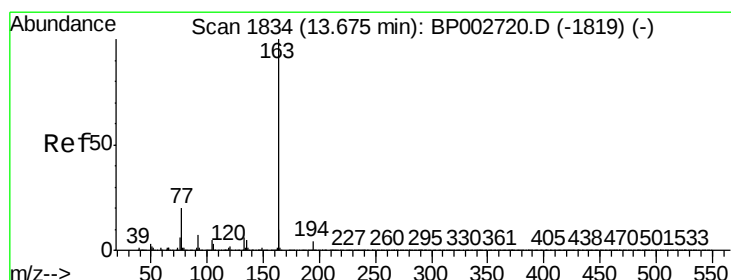
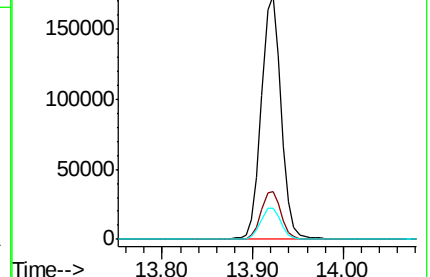
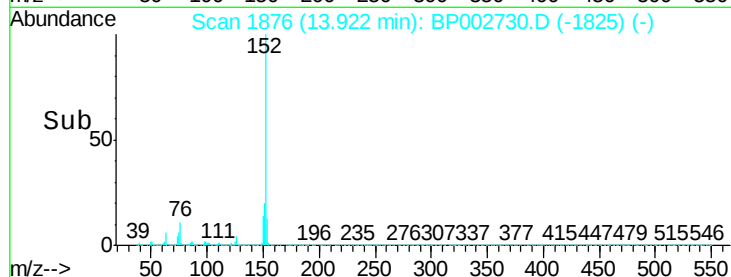
153 13.0 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 6.665 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

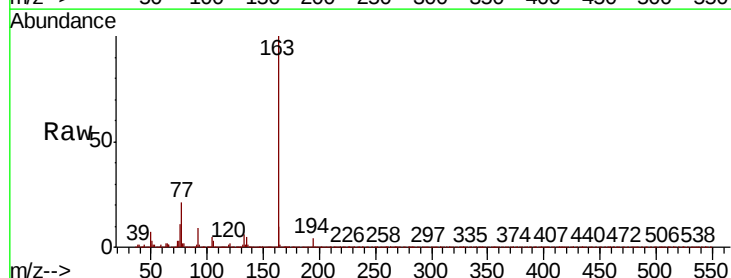
Tgt Ion:163 Resp: 206780

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

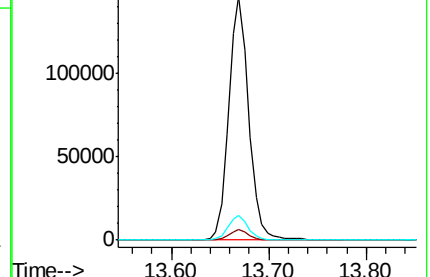
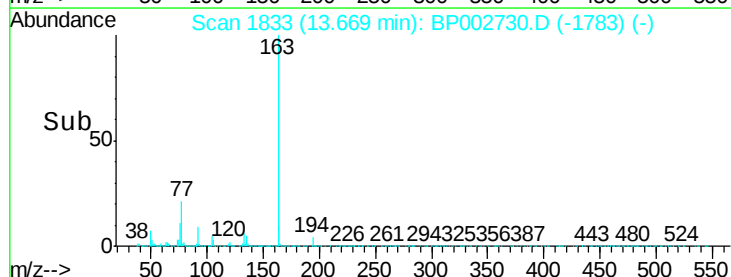
164 10.0 7.8 11.8

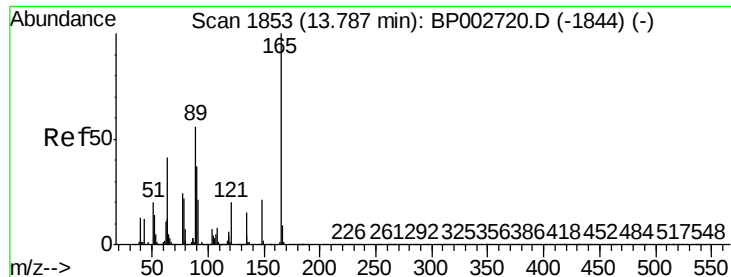


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

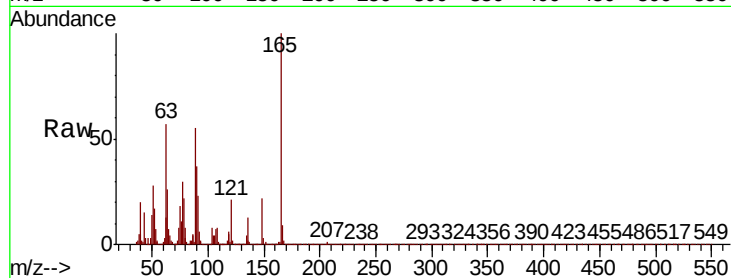




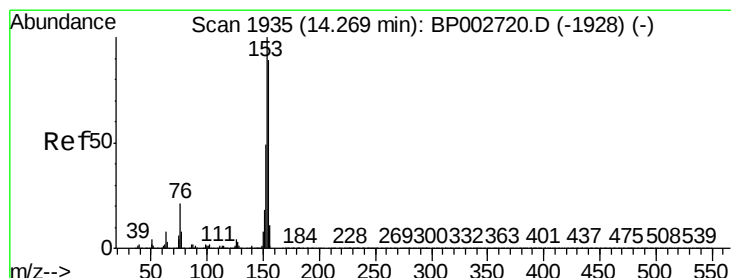
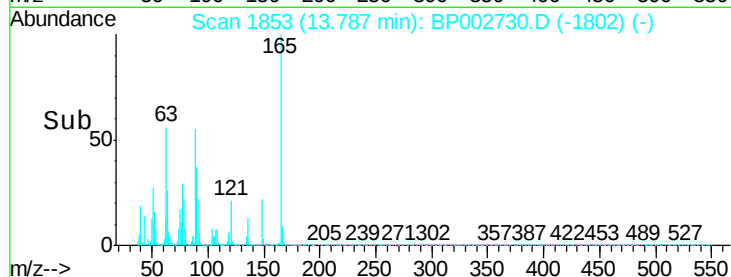
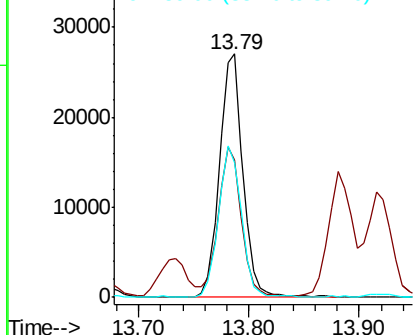
#51
2,6-Dinitrotoluene
Concen: 6.023 ng
RT: 13.79 min Scan# 1853
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

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

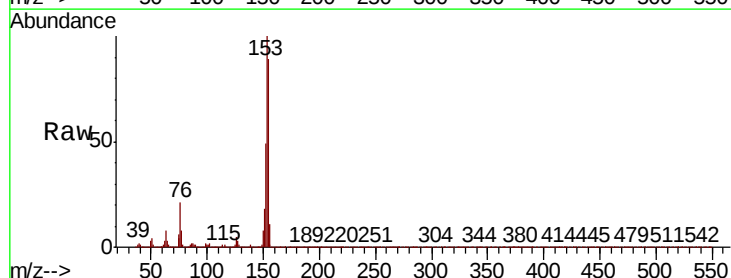


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 89.00 (88.70 to 89.70): BP0

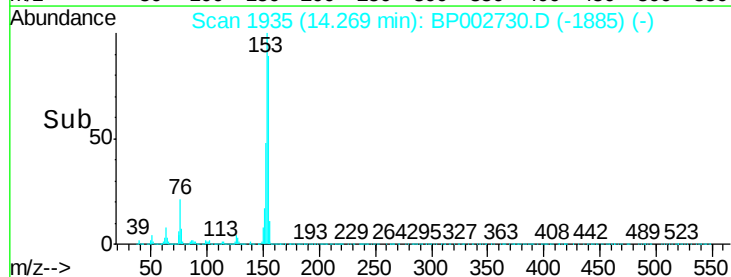
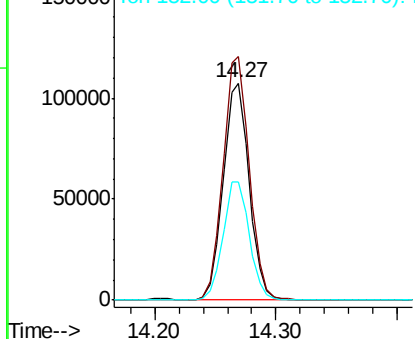


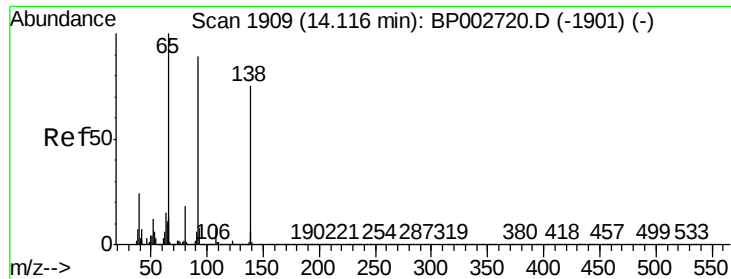
#52
Acenaphthene
Concen: 6.853 ng
RT: 14.27 min Scan# 1935
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

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



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

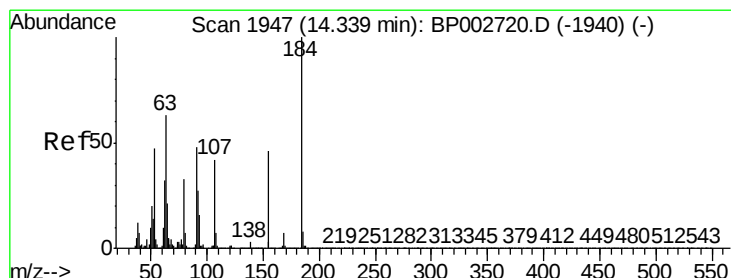
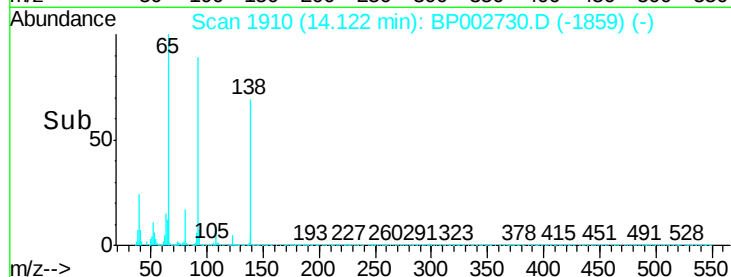
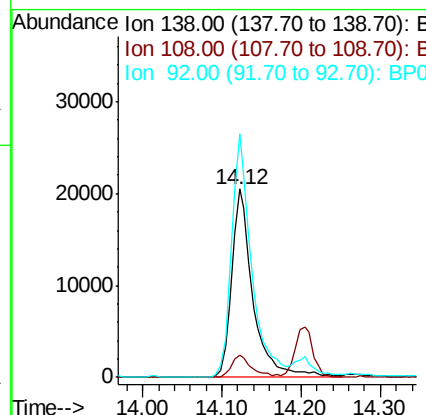
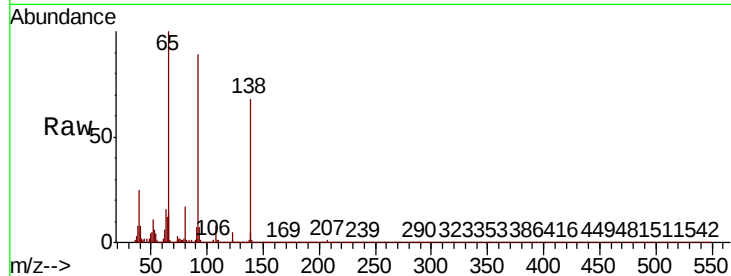




#53
3-Nitroaniline
Concen: 5.116 ng
RT: 14.12 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

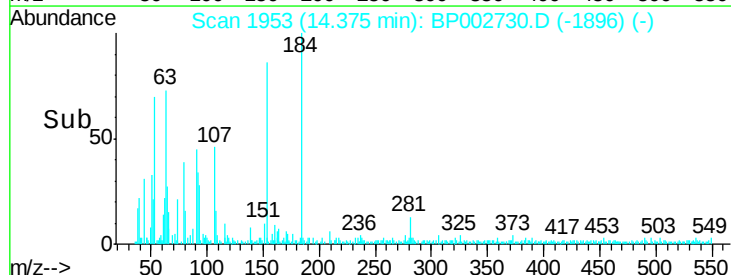
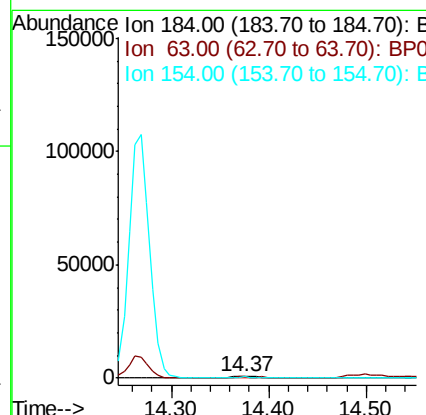
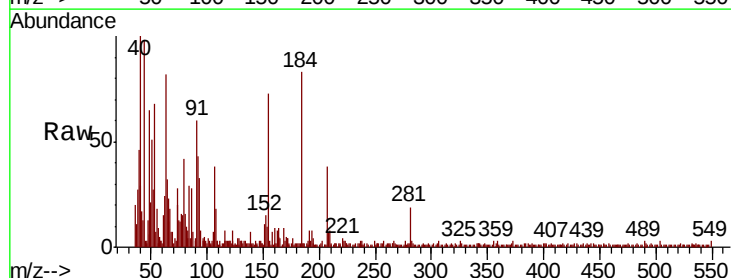
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

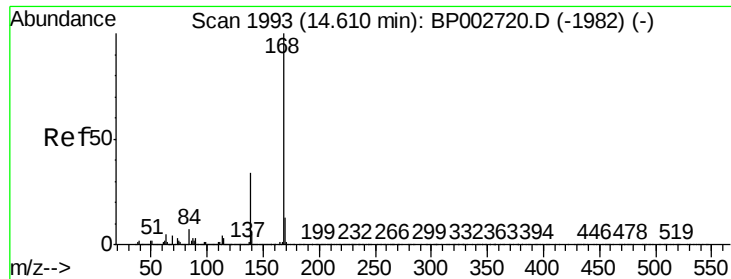
Tot Ion:138 Resp: 38020
Ion Ratio Lower Upper
138 100
108 11.6 8.2 12.2
92 129.5 94.3 141.5



#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#

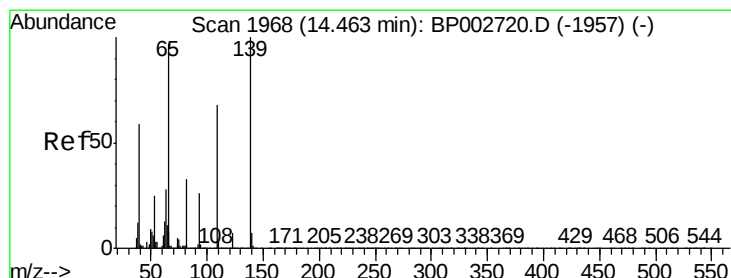
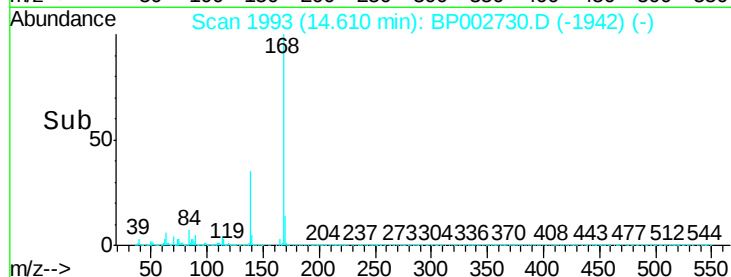
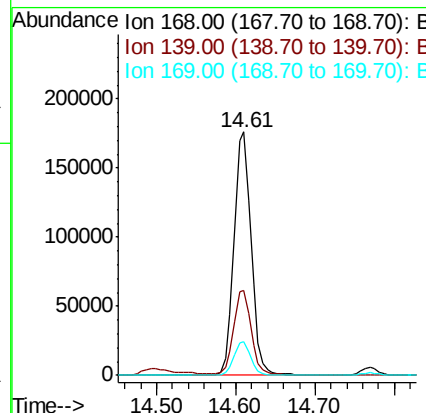
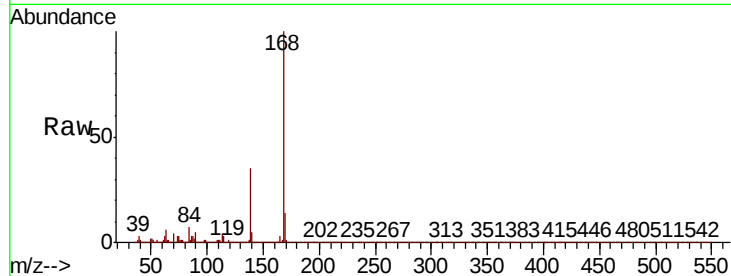




#55
Dibenzenofuran
Concen: 7.097 ng
RT: 14.61 min Scan# 1993
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

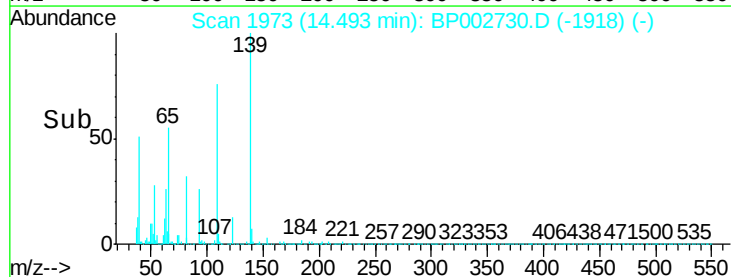
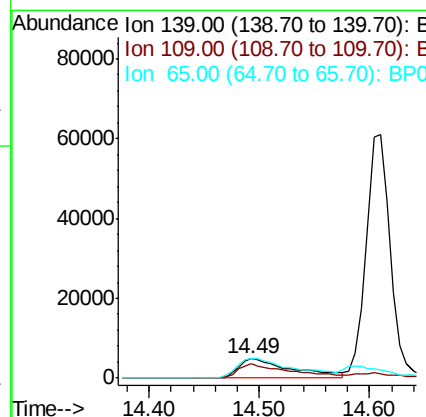
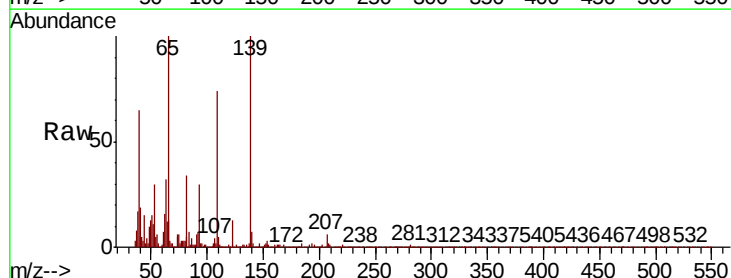
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

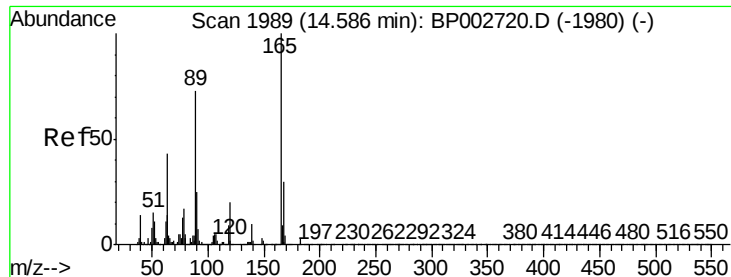
Tot Ion:168 Resp: 264190
Ion Ratio Lower Upper
168 100
139 34.6 27.1 40.7
169 13.6 10.8 16.2



#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

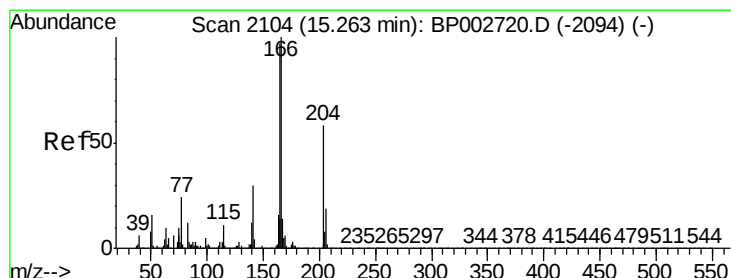
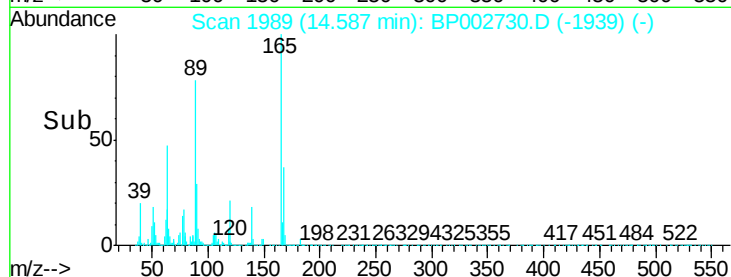
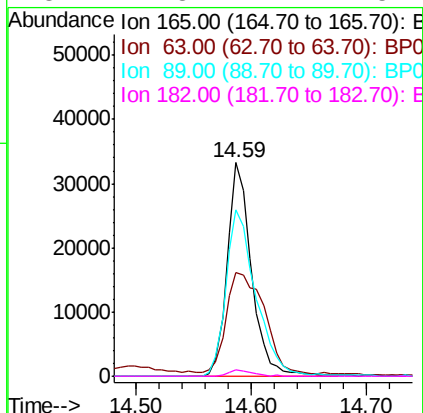
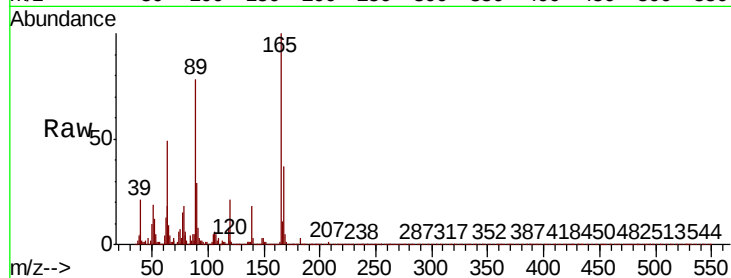




#57
2,4-Dinitrotoluene
Concen: 5.539 ng
RT: 14.59 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

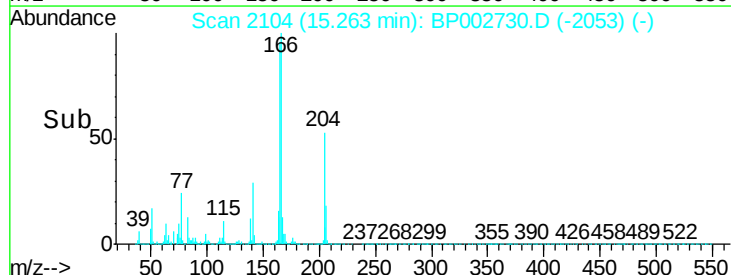
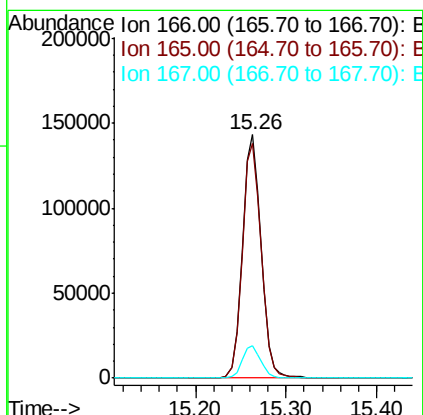
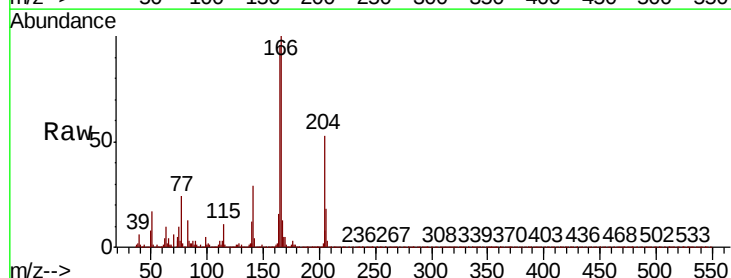
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

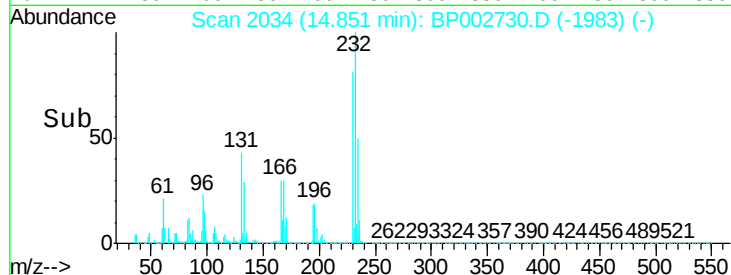
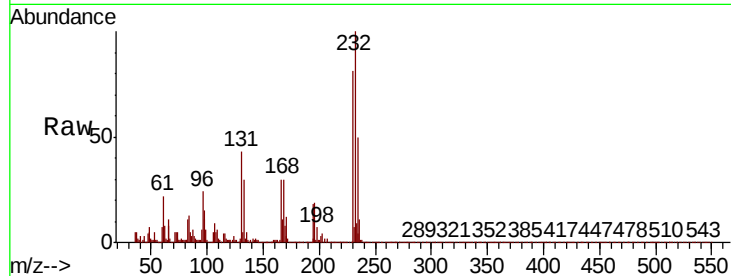
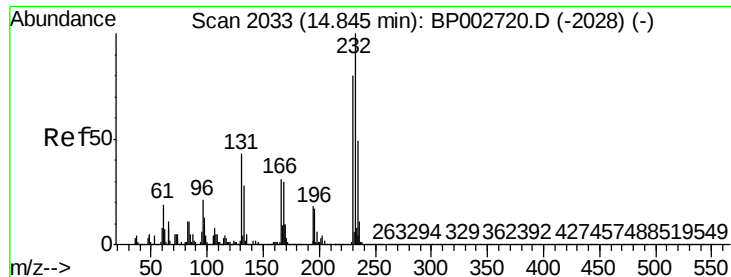
Tot Ion:165 Resp: 48454
Ion Ratio Lower Upper
165 100
63 48.6 35.1 52.7
89 78.1 58.4 87.6
182 2.8 2.2 3.2



#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:166 Resp: 204387
Ion Ratio Lower Upper
166 100
165 96.4 77.7 116.5
167 13.5 11.0 16.6

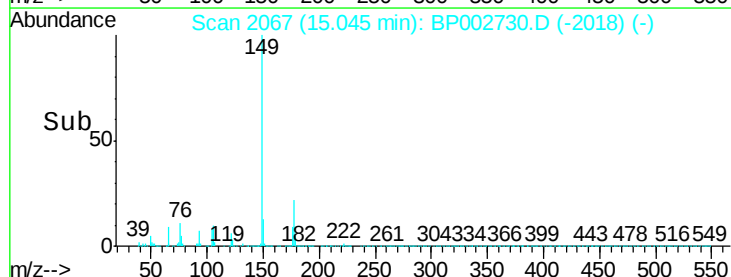
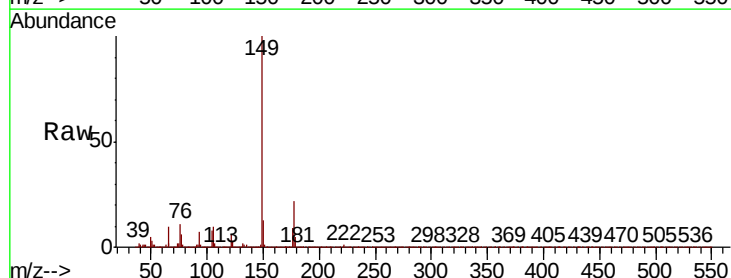
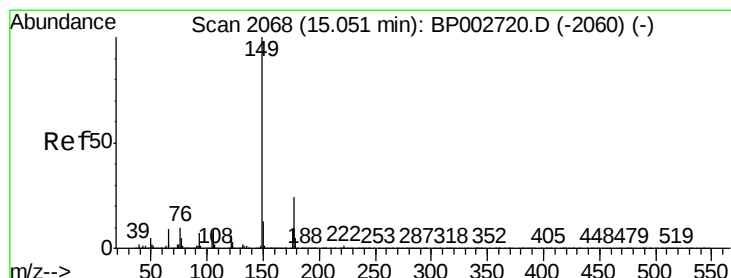
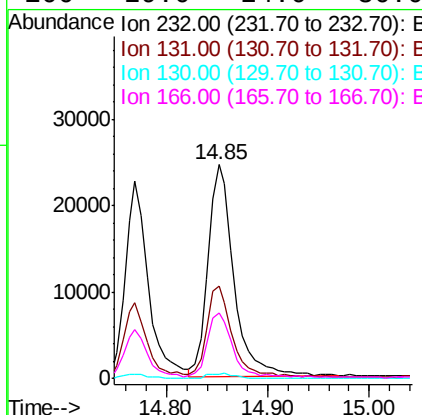




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.919 ng
RT: 14.85 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

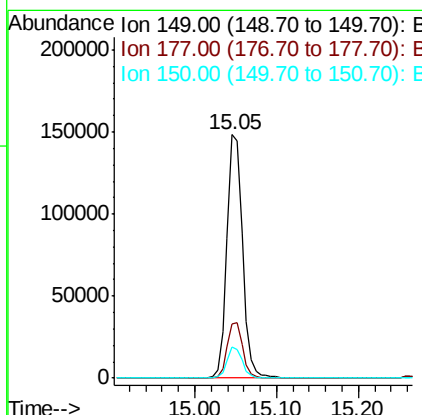
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

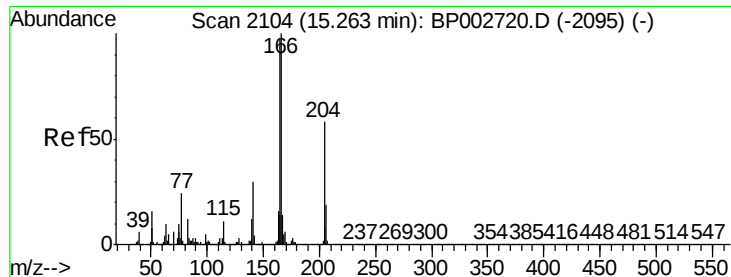
Tot Ion:232	Resp:	43306
Ion	Ratio	Lower Upper
232	100	
131	42.0	34.3 51.5
130	2.3	1.8 2.6
166	29.0	24.0 36.0



#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

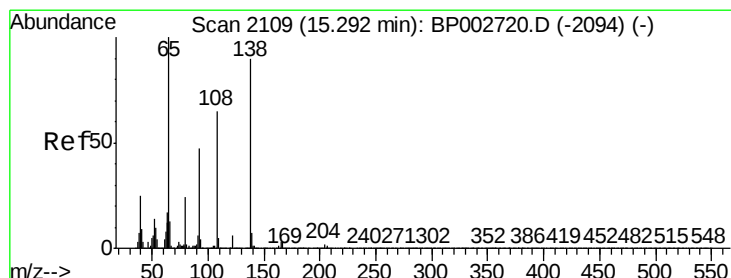
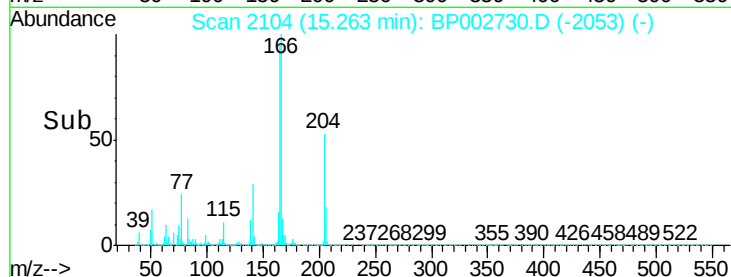
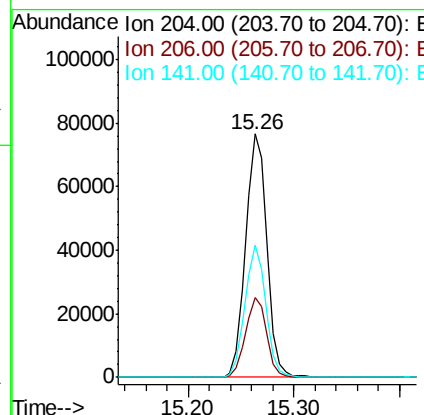
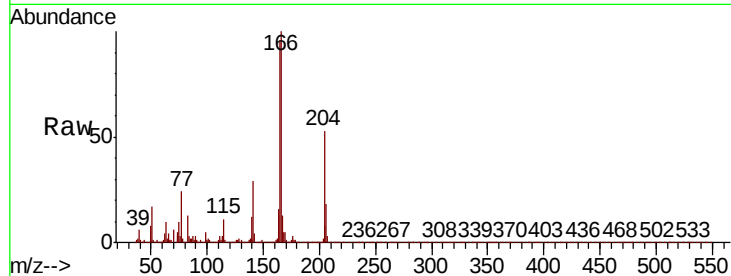




#61
4-Chlorophenyl-phenylether
Concen: 7.228 ng
RT: 15.26 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

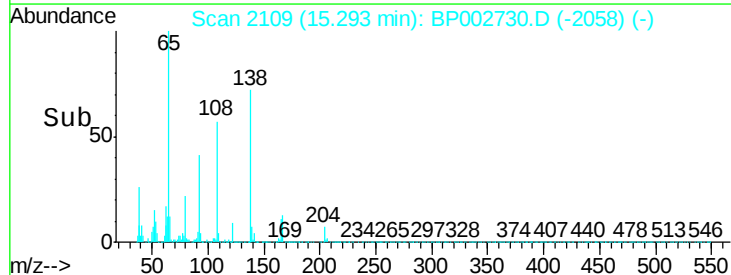
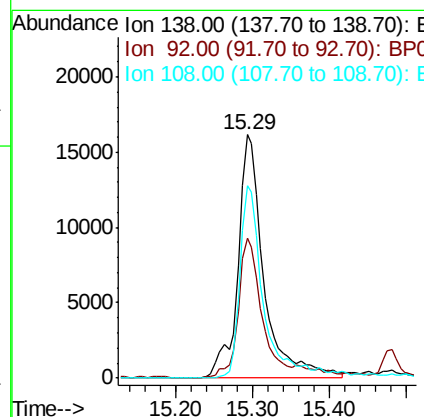
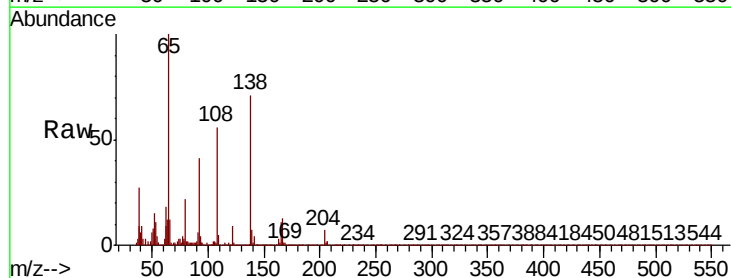
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

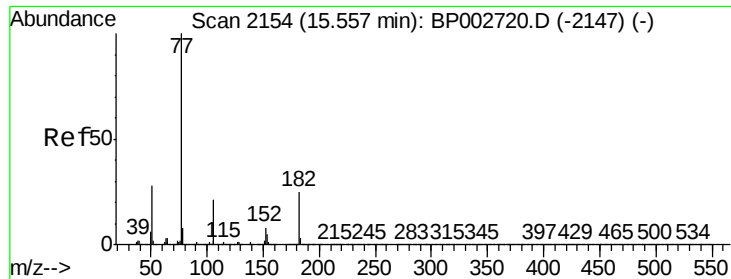
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.1	39.1
141	54.3	41.8	62.8



#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	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

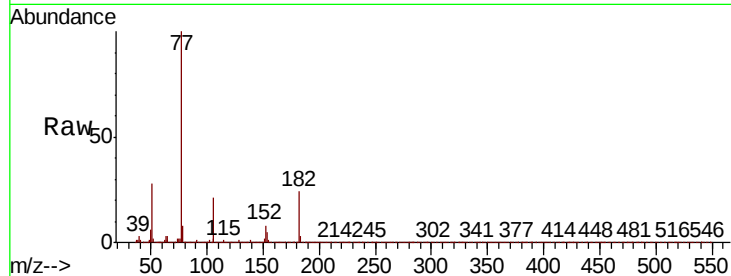
Instrument :

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

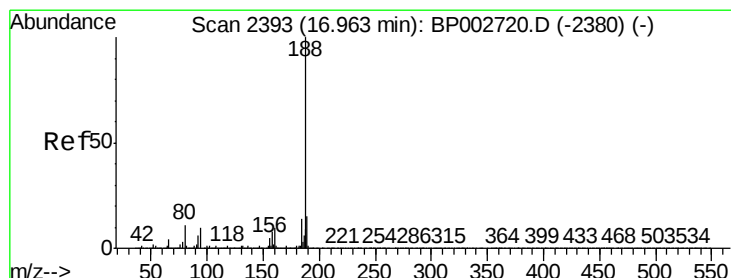
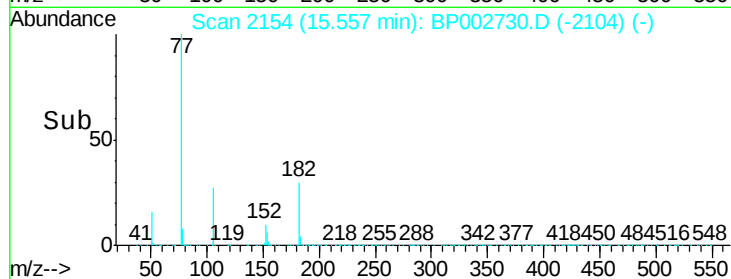
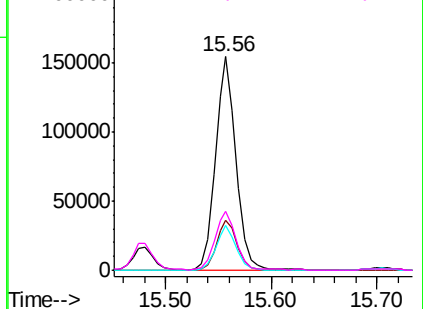


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BP0



#64

Phenanthrene-d10

Concen: 20.000 ng

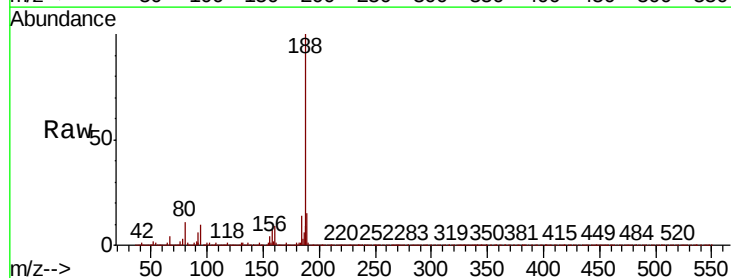
RT: 16.96 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

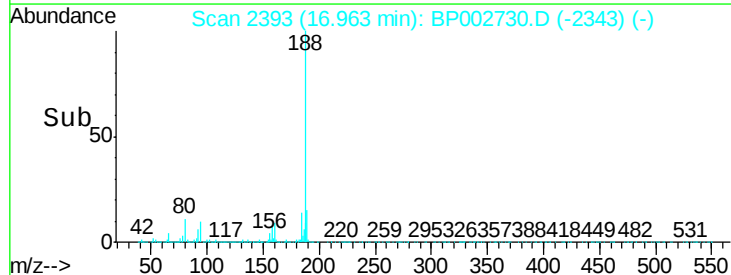
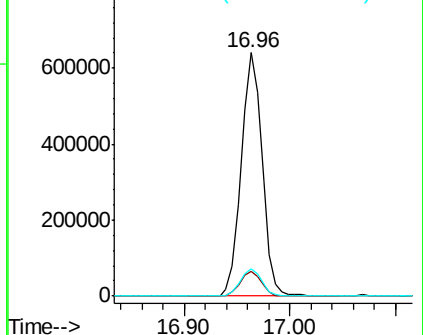
Tgt Ion:	188	Resp:	876543
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.3	8.9	13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#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

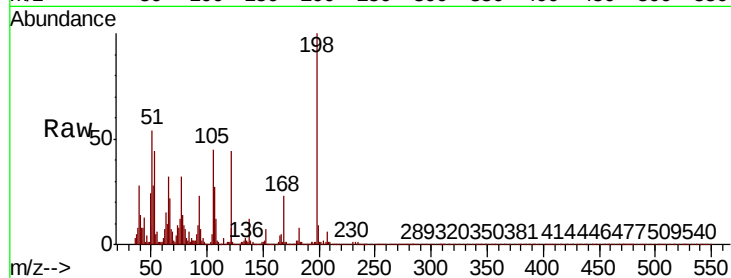
Tot Ion:198 Resp: 15341

Ion Ratio Lower Upper

198 100

51 53.9 27.1 67.1

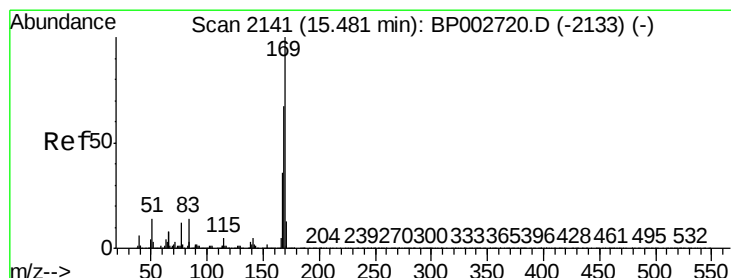
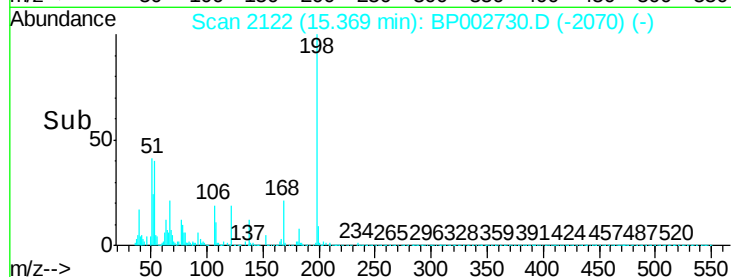
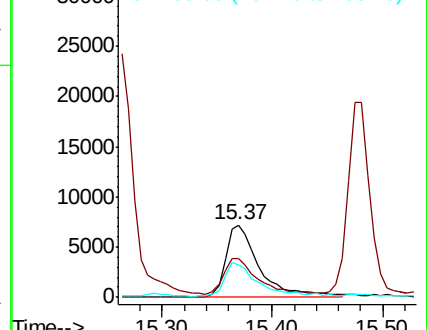
105 44.8 24.9 64.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E



#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

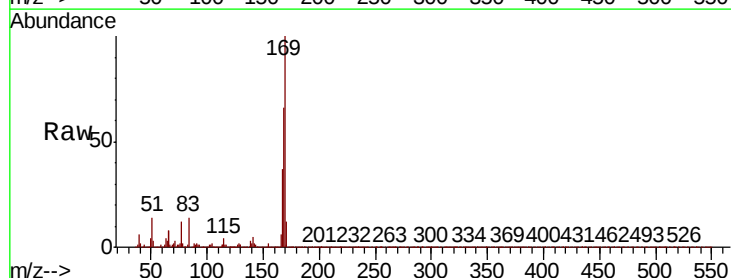
Tgt Ion:169 Resp: 180341

Ion Ratio Lower Upper

169 100

168 66.1 53.4 80.0

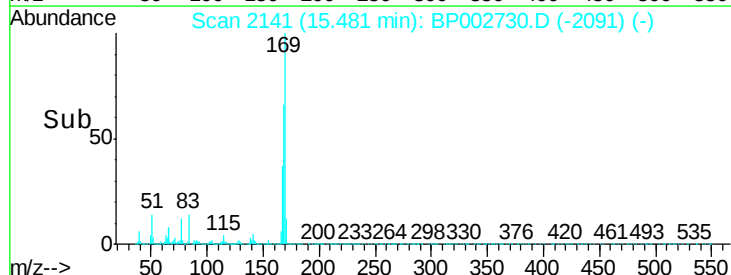
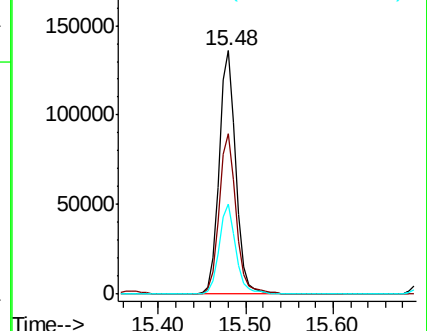
167 36.7 29.2 43.8

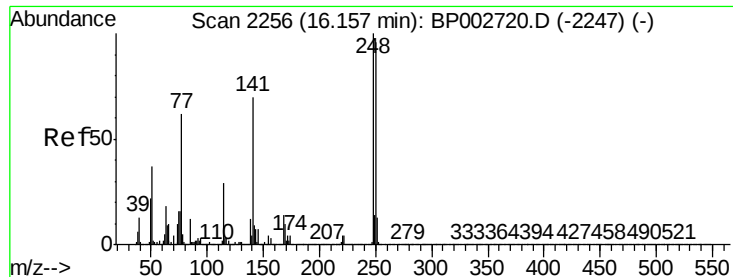


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

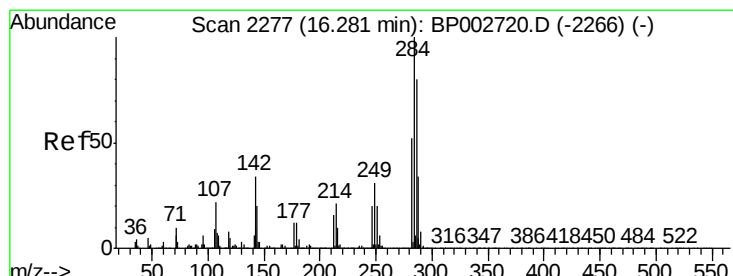
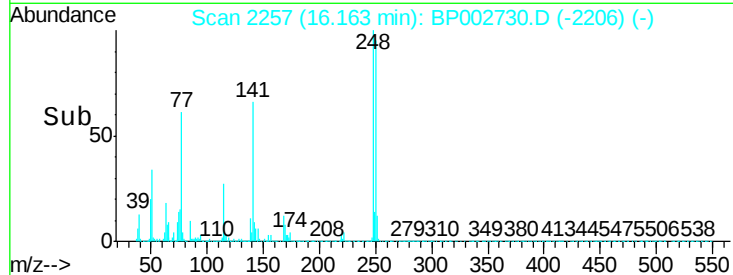
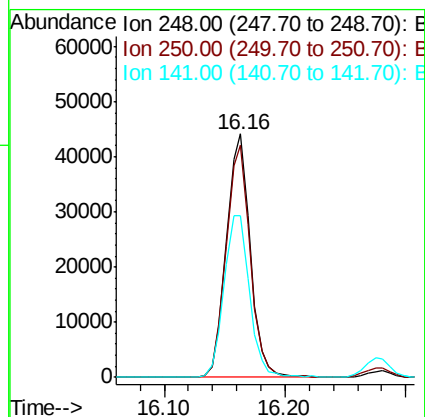
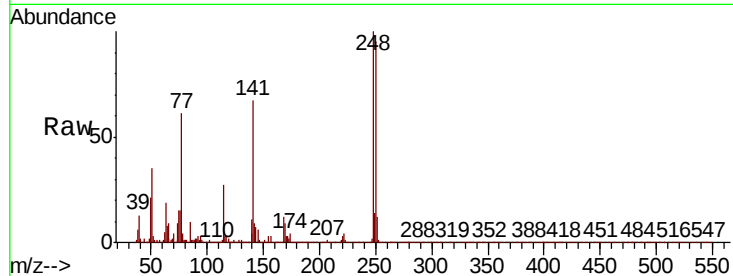




#67
4-Bromophenyl-phenylether
Concen: 6.335 ng
RT: 16.16 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

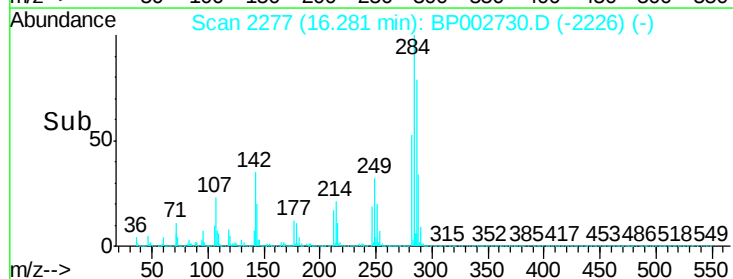
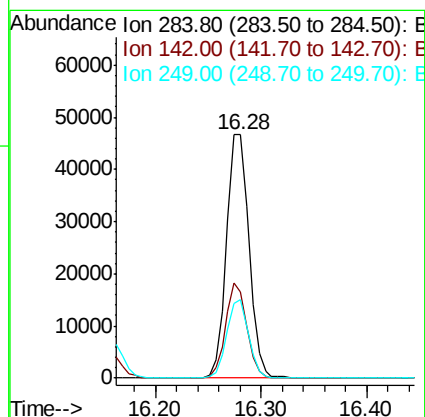
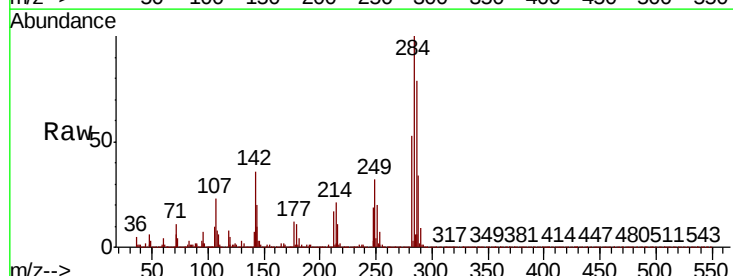
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

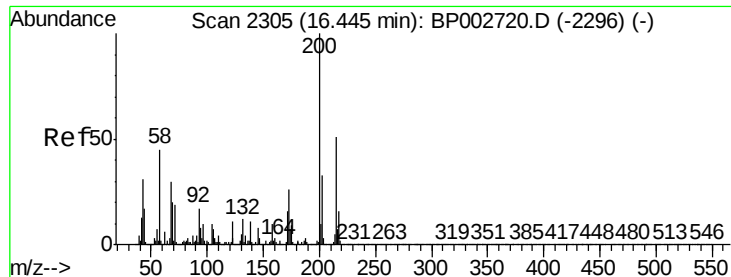
Tot Ion:248 Resp: 60483
Ion Ratio Lower Upper
248 100
250 95.4 76.7 115.1
141 66.6 55.9 83.9



#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

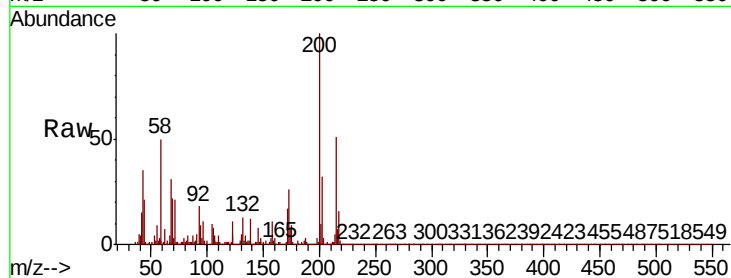
Tot Ion:200 Resp: 53350

Ion Ratio Lower Upper

200 100

173 26.4 6.3 46.3

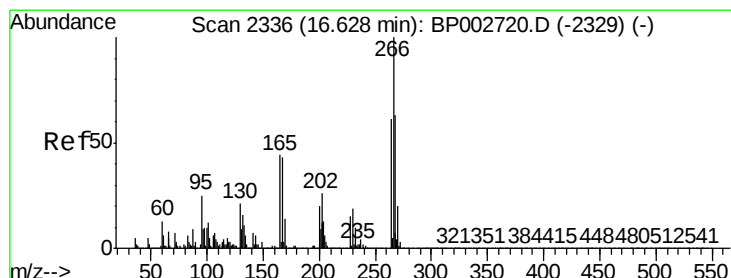
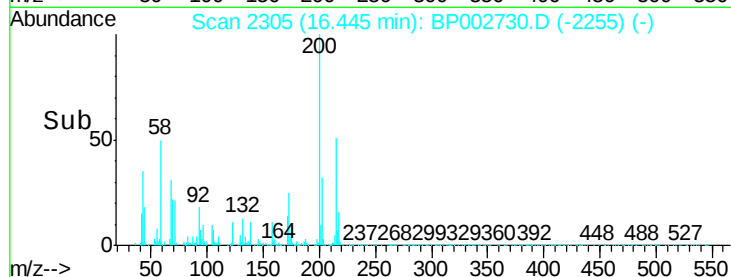
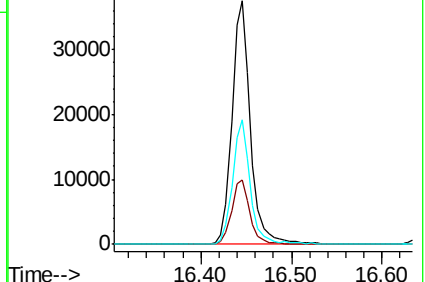
215 51.3 30.6 70.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 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

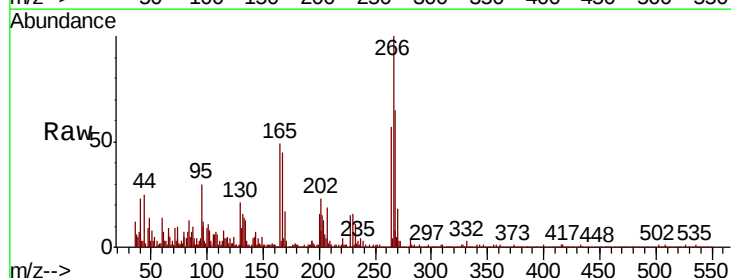
Tgt Ion:266 Resp: 8572

Ion Ratio Lower Upper

266 100

268 65.4 50.6 75.8

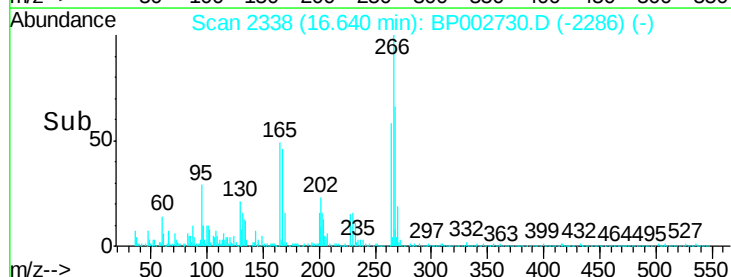
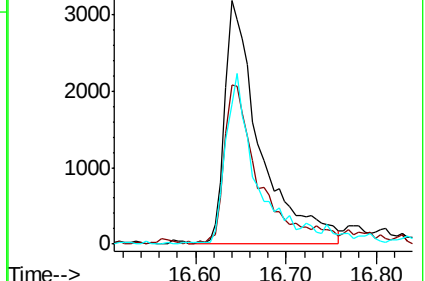
264 57.4 48.6 72.8

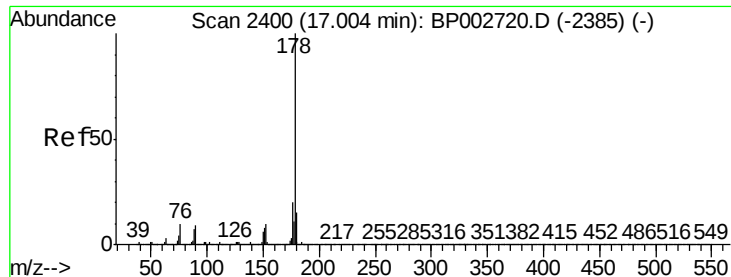


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

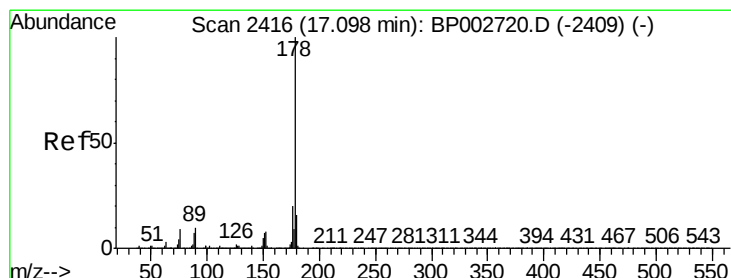
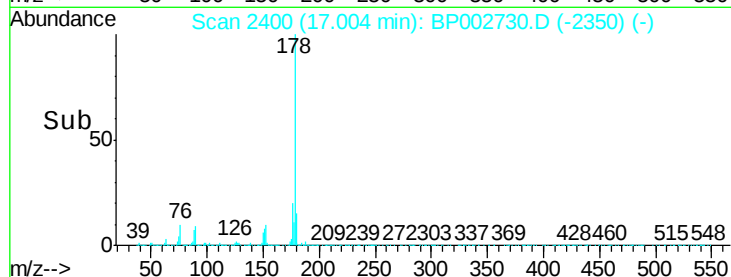
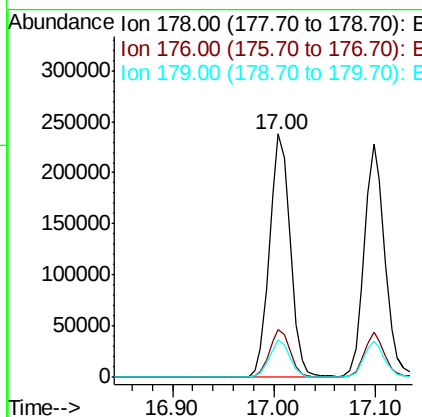
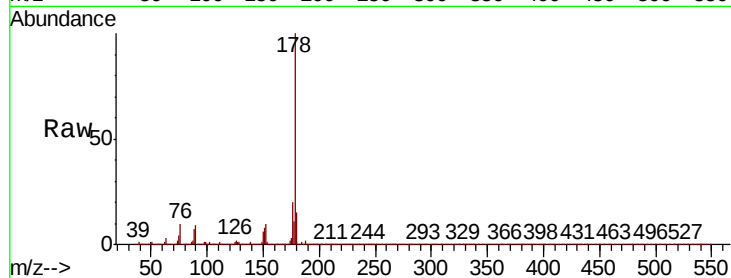




#71
Phenanthrene
Concen: 7.137 ng
RT: 17.00 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

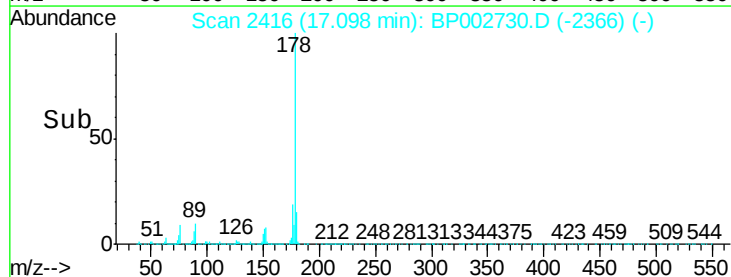
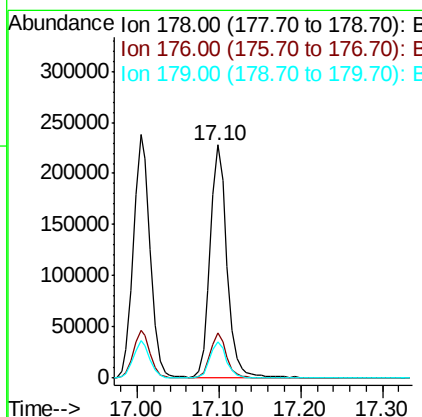
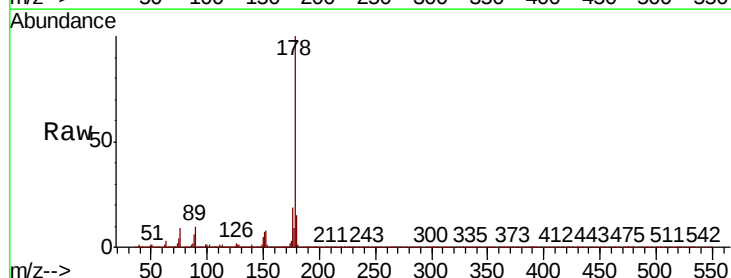
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

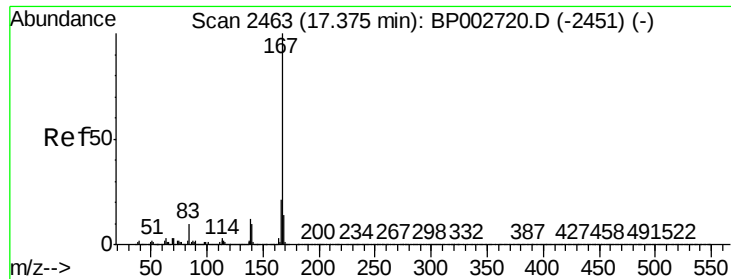
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.4	12.3	18.5



#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	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.3	12.6	19.0

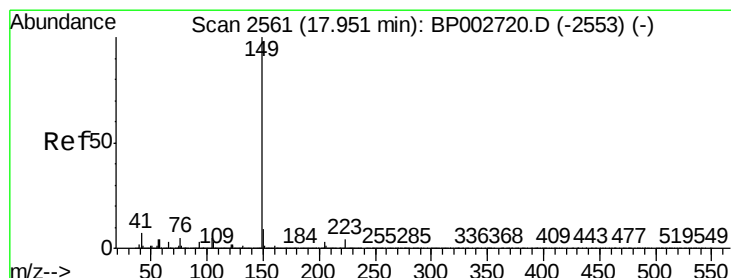
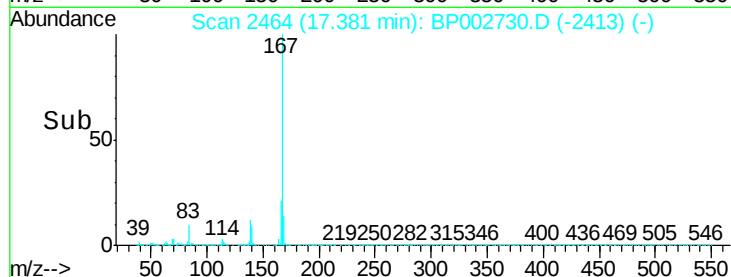
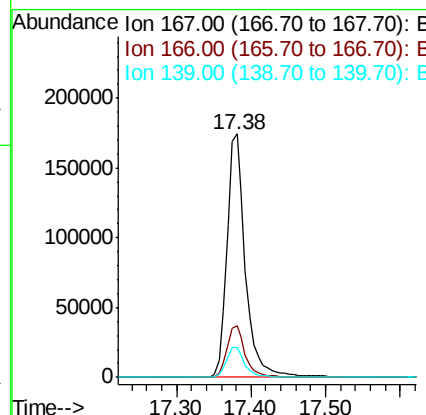
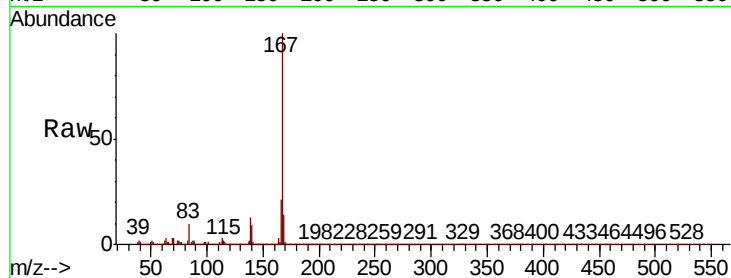




#73
 Carbazole
 Concen: 6.529 ng
 RT: 17.38 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

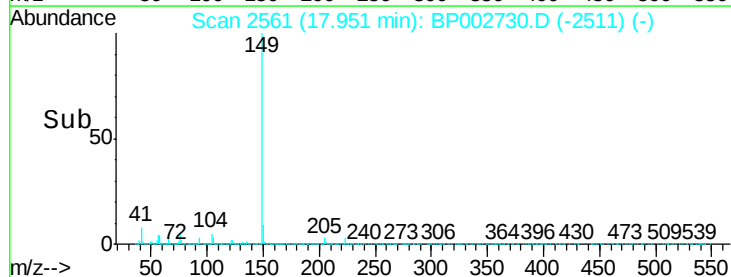
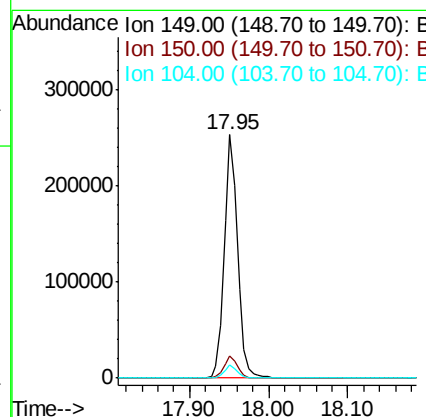
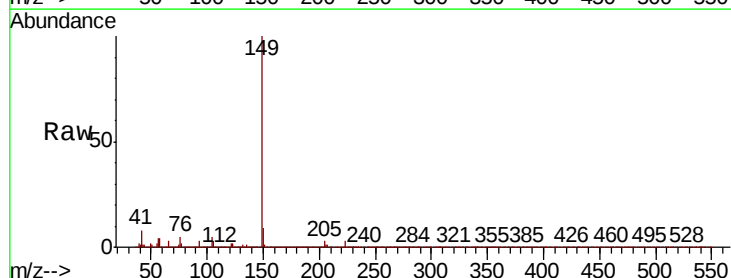
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

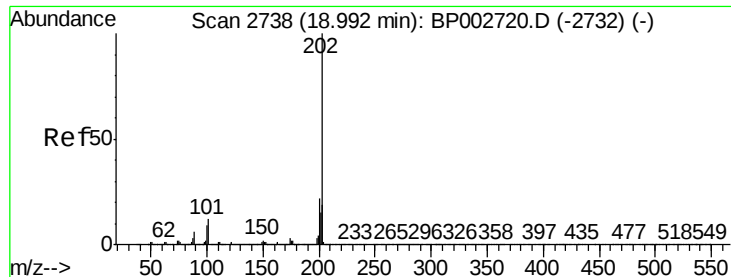
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.5	9.6	14.4



#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	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	5.4	4.0	6.0





#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

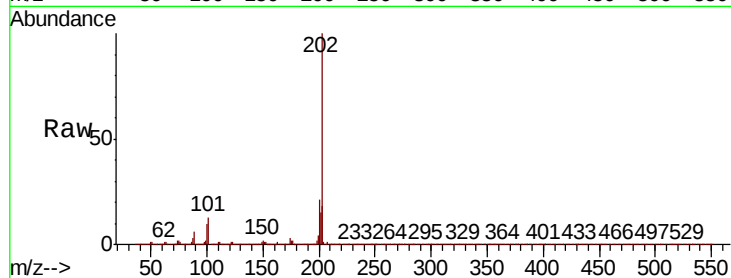
Tot Ion:202 Resp: 378776

Ion Ratio Lower Upper

202 100

101 12.6 0.0 32.5

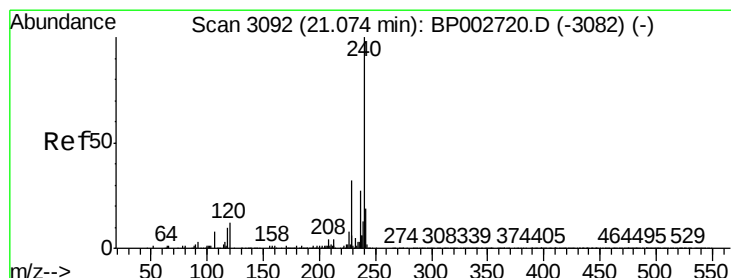
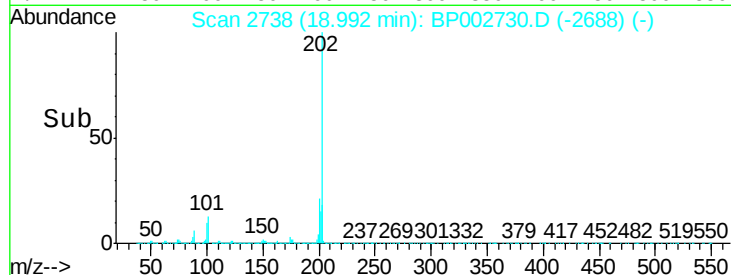
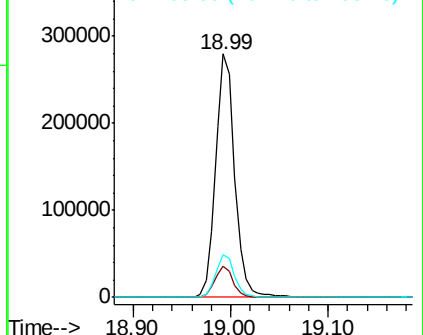
203 17.6 0.0 38.6



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

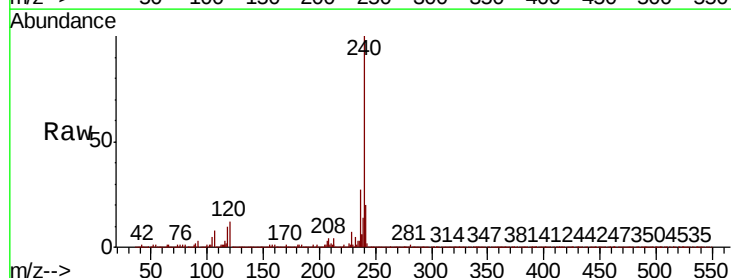
Tgt Ion:240 Resp: 877567

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

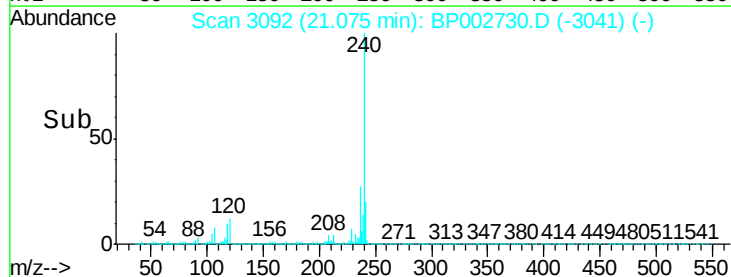
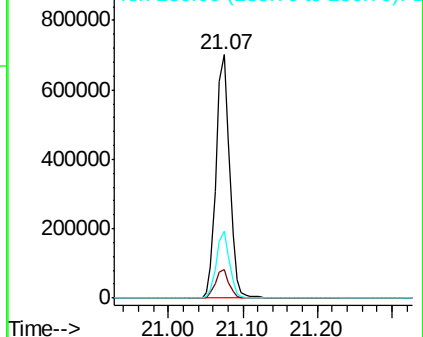
236 27.3 21.3 31.9

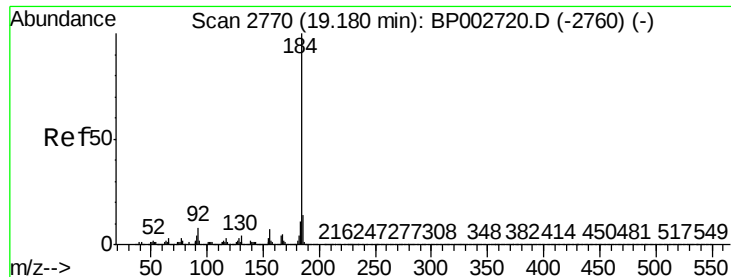


Abundance Ion 240.00 (239.70 to 240.70): E

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

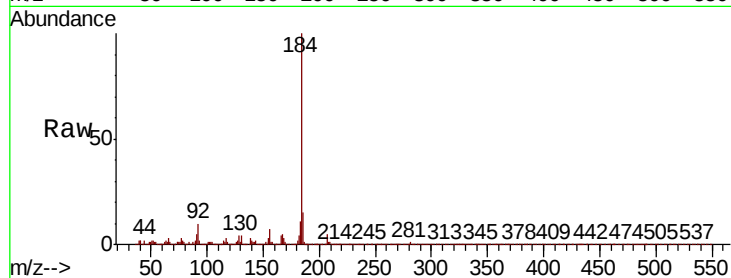
Tot Ion:184 Resp: 130330

Ion Ratio Lower Upper

184 100

185 14.9 11.4 17.2

183 11.4 9.0 13.4

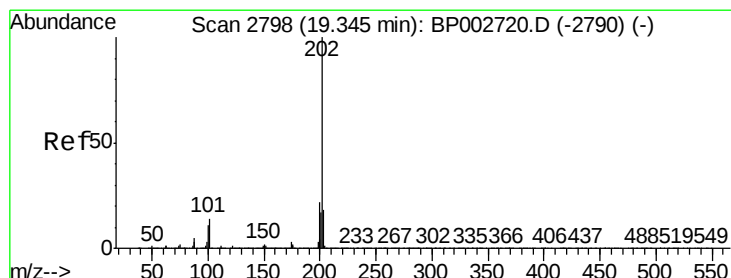
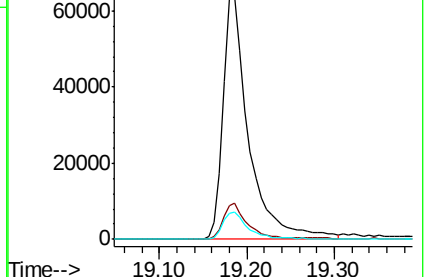
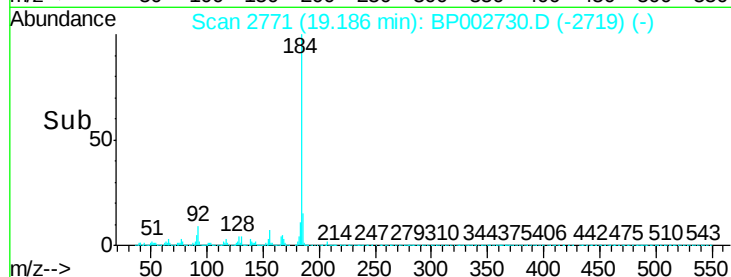


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

19.19



#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

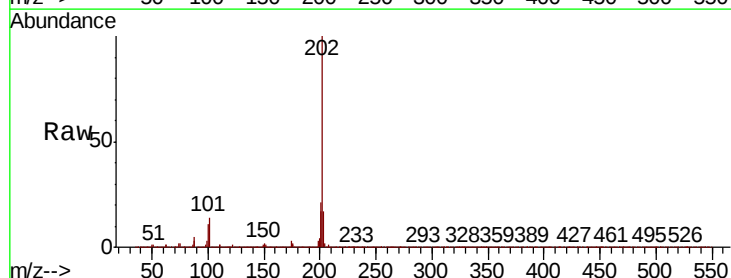
Tgt Ion:202 Resp: 403743

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

203 17.1 14.5 21.7

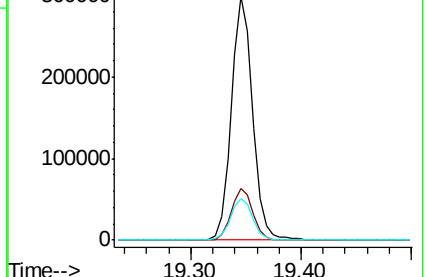
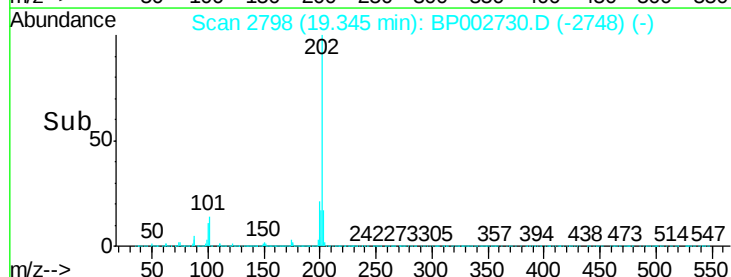


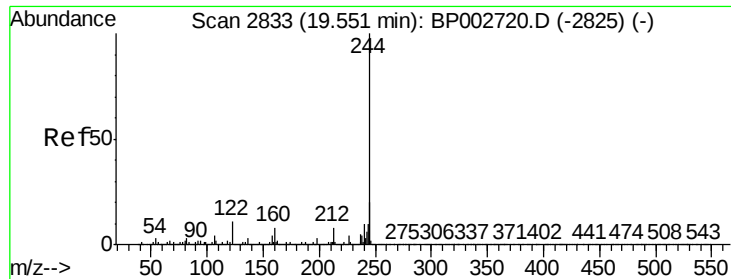
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

19.35

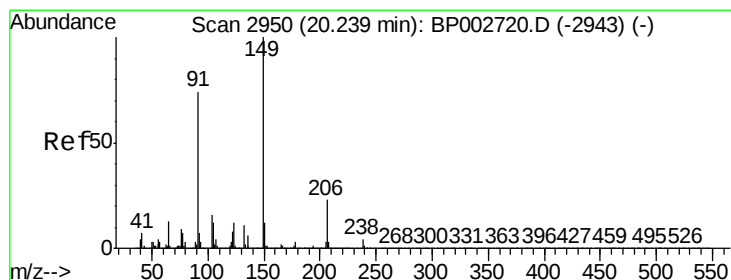
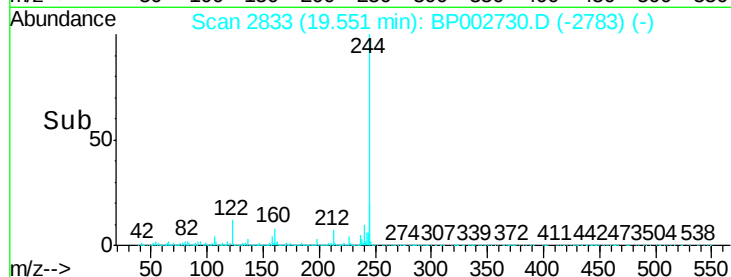
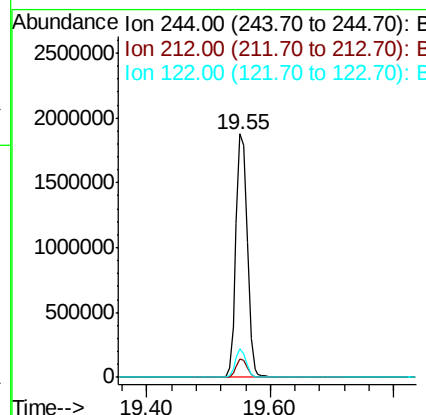
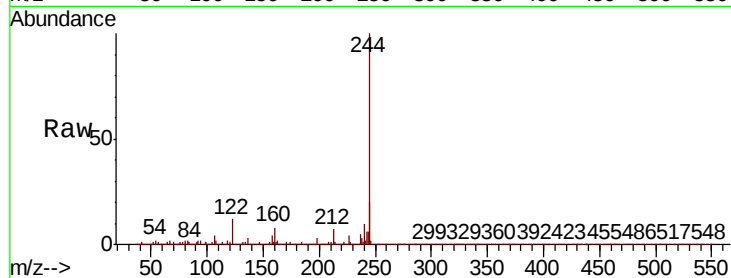




#79
 Terphenyl-d14
 Concen: 62.769 ng
 RT: 19.55 min Scan# 2833
 Delta R.T. -0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

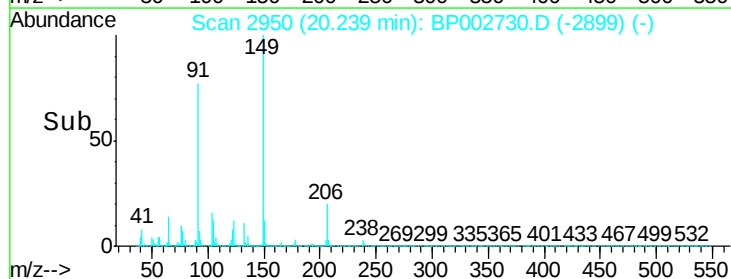
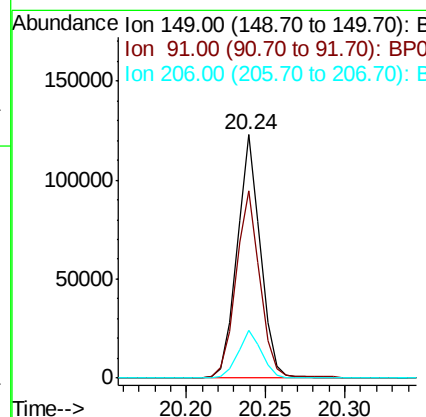
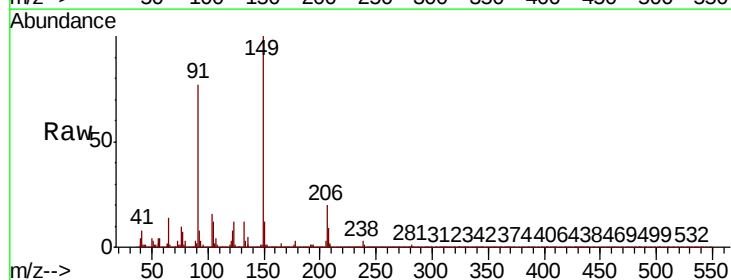
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

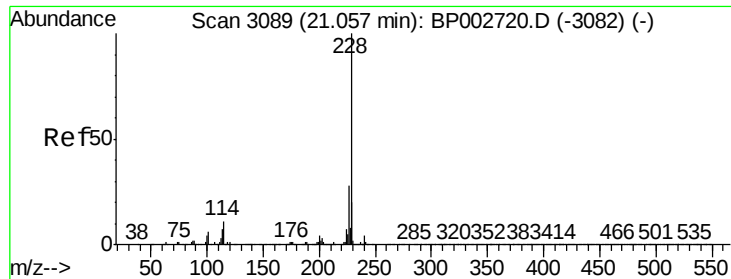
Tot Ion:244 Resp: 2402556
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 11.5 8.9 13.3



#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

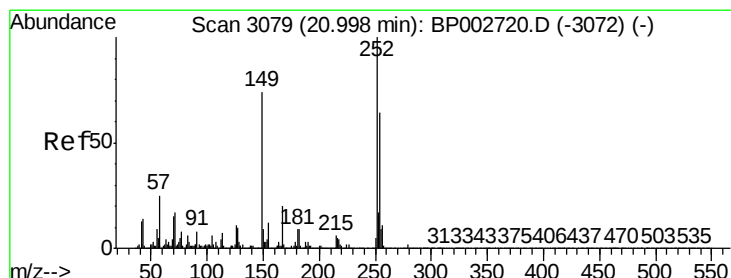
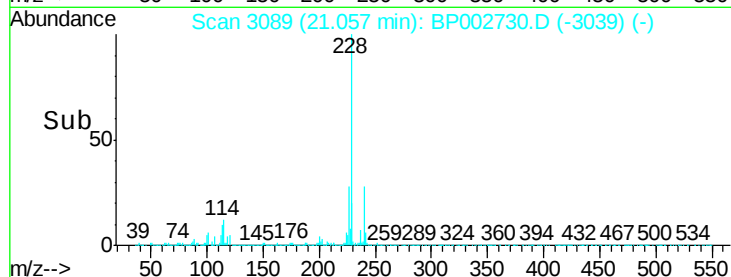
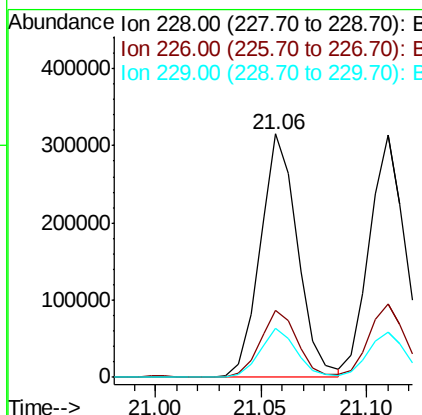
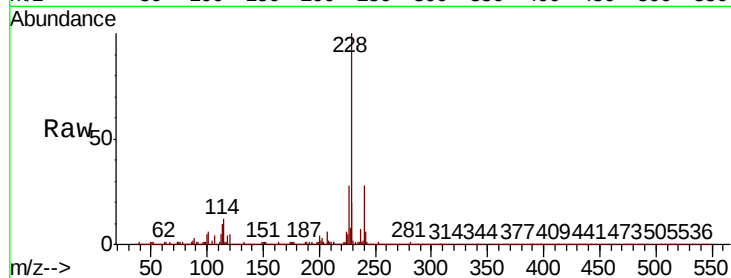




#81
Benzo(a)anthracene
Concen: 6.827 ng
RT: 21.06 min Scan# 3089
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

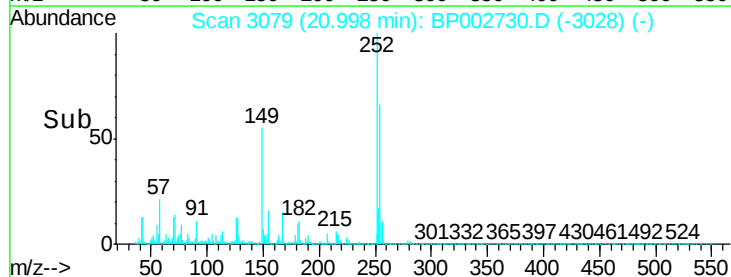
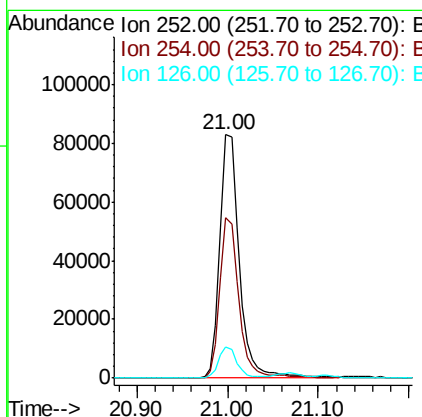
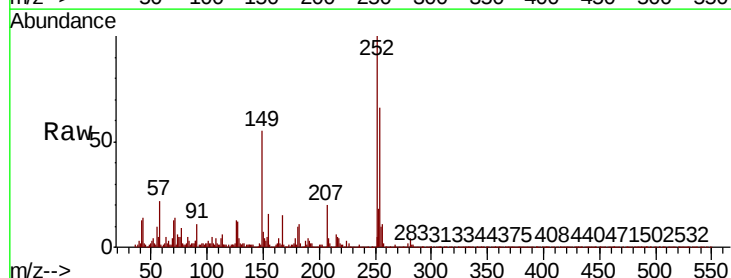
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

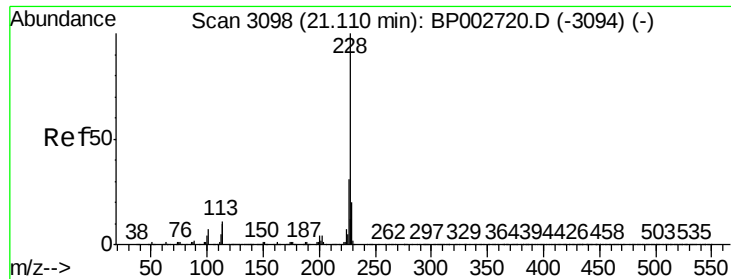
Tot Ion:228 Resp: 387816
Ion Ratio Lower Upper
228 100
226 27.5 22.6 34.0
229 20.0 16.0 24.0



#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#

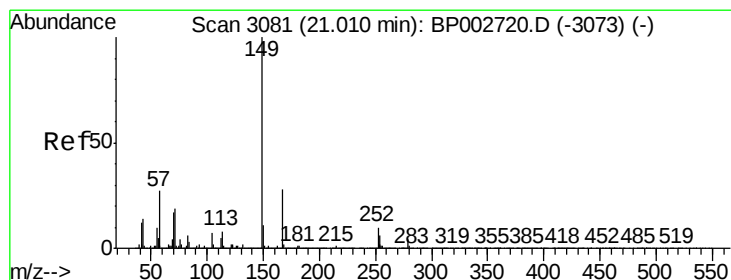
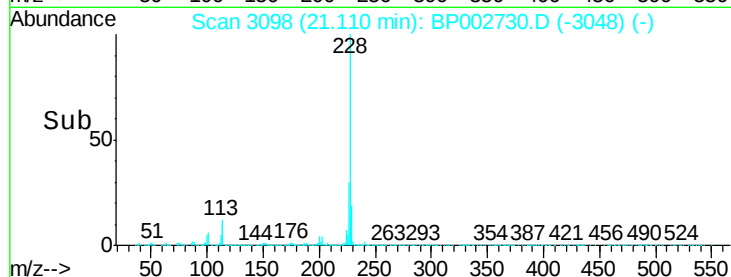
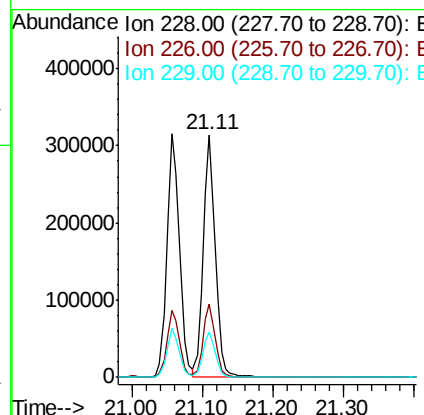
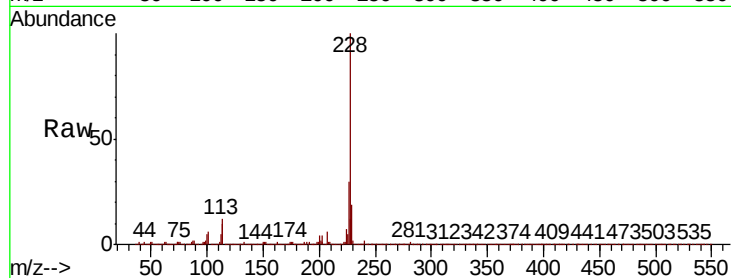




#83
Chrysene
Concen: 7.021 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

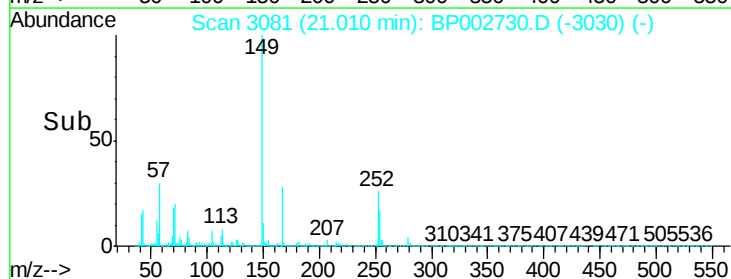
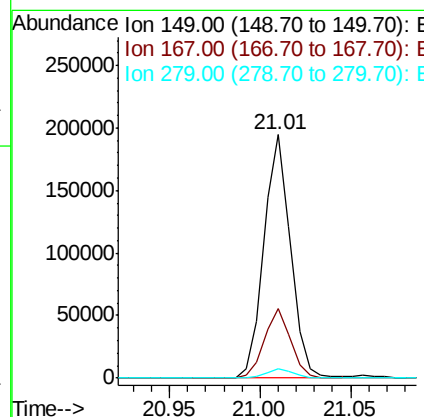
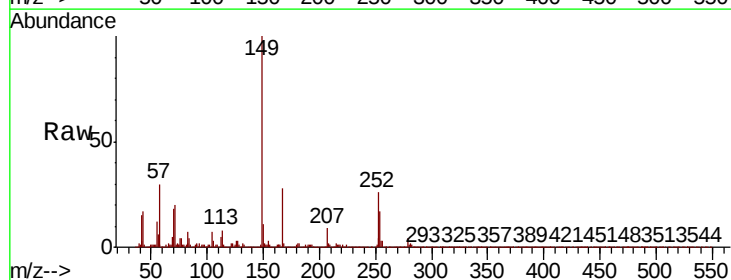
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

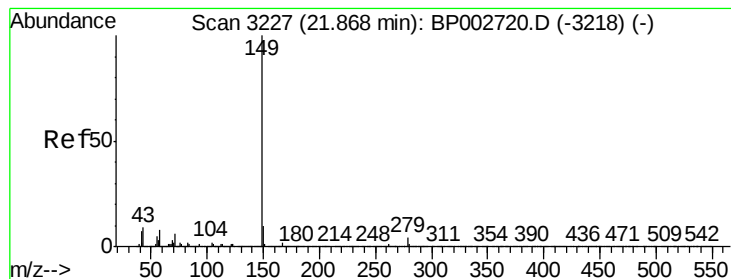
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	18.7	15.7	23.5



#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	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

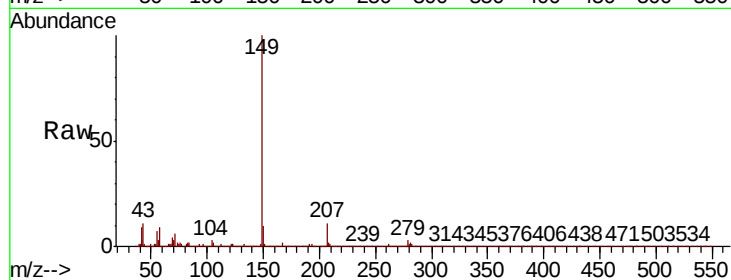
Tot Ion:149 Resp: 317974

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

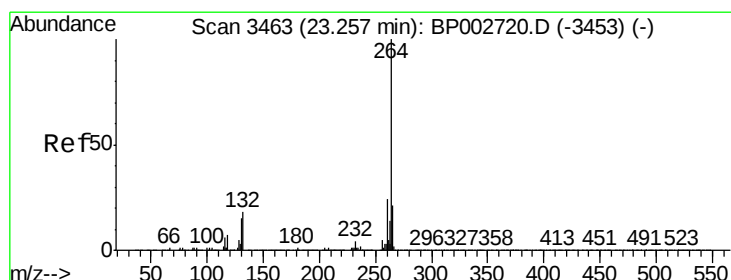
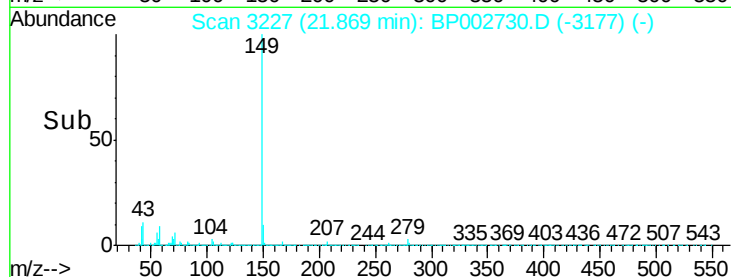
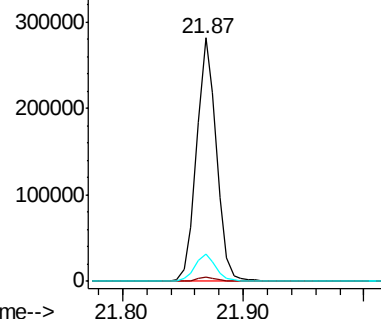
43 11.5 8.2 12.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BP0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.26 min Scan# 3464

Delta R.T. 0.00 min

Lab File: BP002730.D

Acq: 13 Jul 2020 11:43

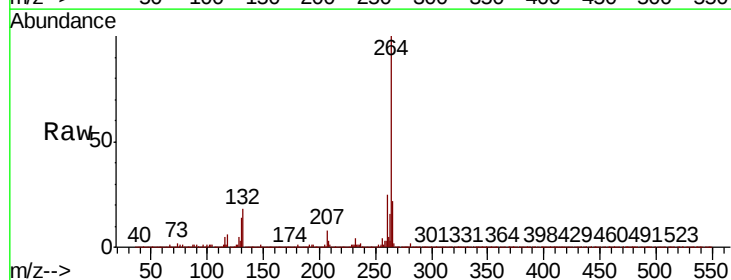
Tgt Ion:264 Resp: 872307

Ion Ratio Lower Upper

264 100

260 24.6 19.3 28.9

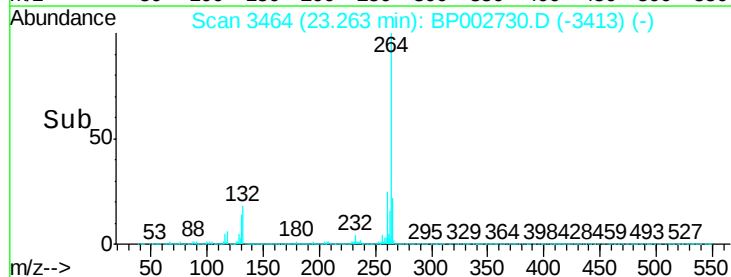
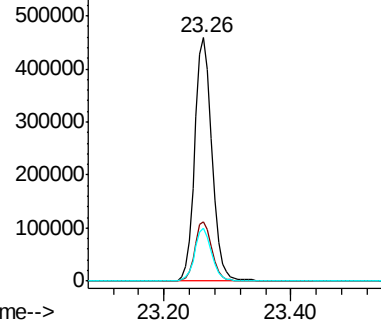
265 21.7 16.8 25.2

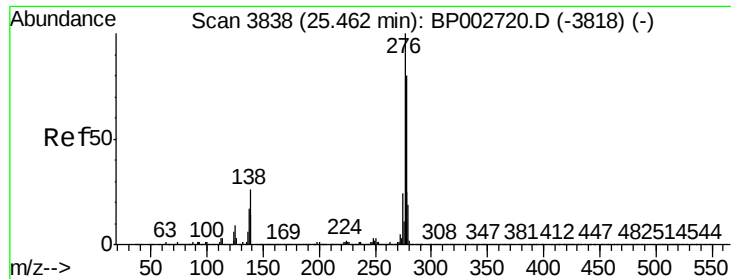


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

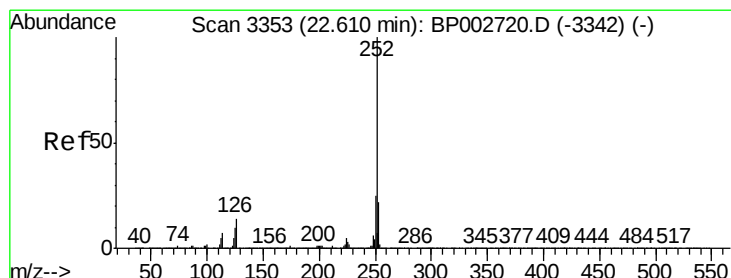
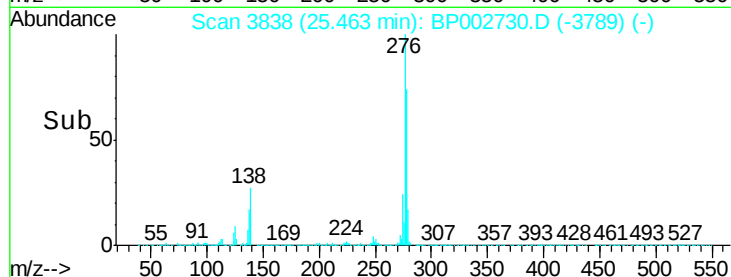
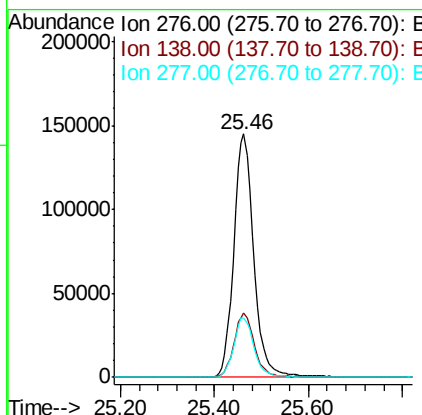
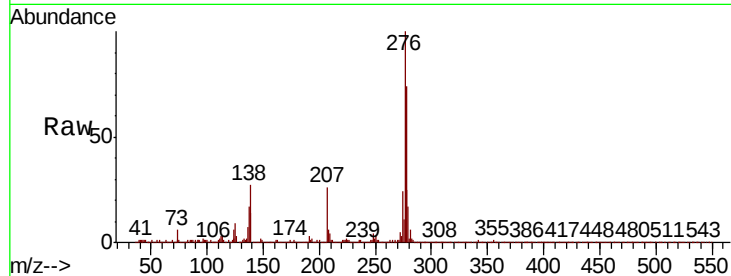




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.765 ng
 RT: 25.46 min Scan# 3838
 Delta R.T. -0.01 min
 Lab File: BP002730.D
 Acq: 13 Jul 2020 11:43

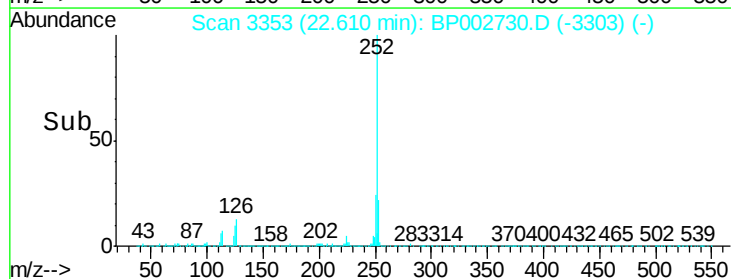
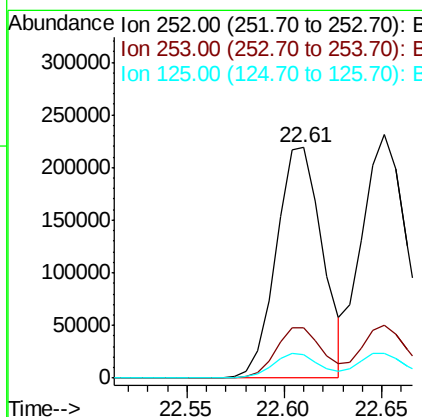
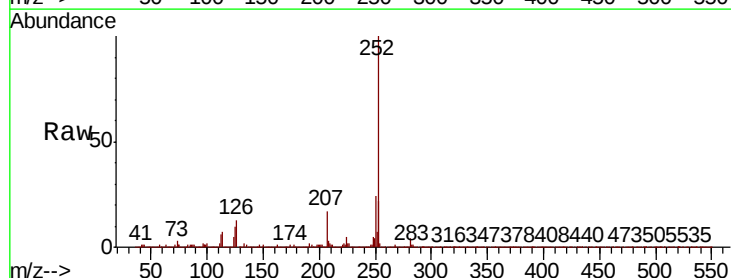
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

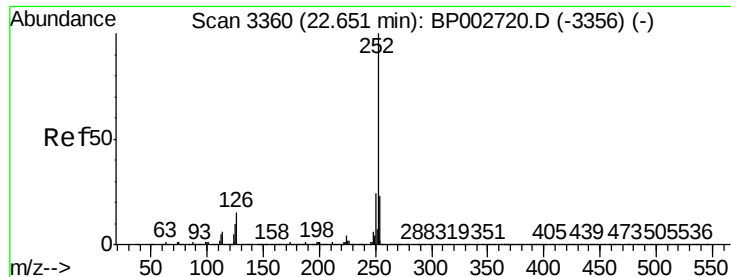
Tot Ion:	276	Resp:	426527
Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.8	31.2
277	24.9	20.0	30.0



#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:	252	Resp:	359329
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.2	8.2	12.2

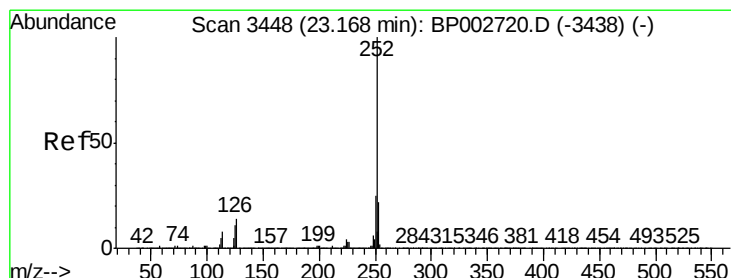
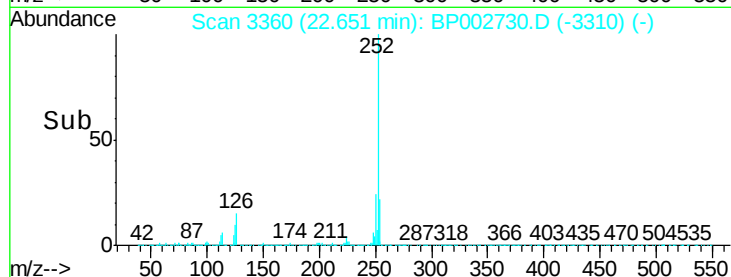
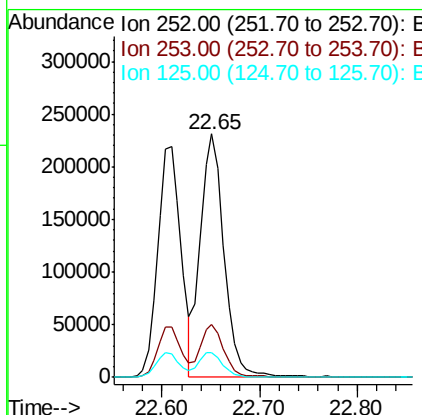
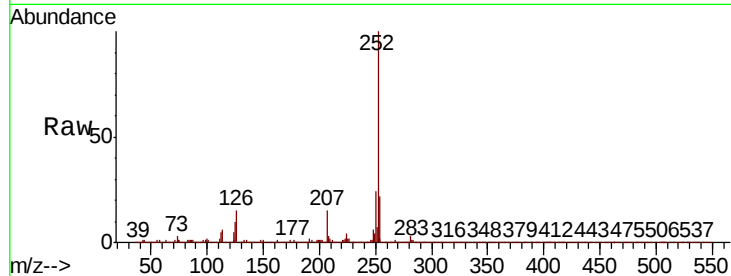




#89
Benzo(k)fluoranthene
Concen: 7.249 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BP002730.D
Acq: 13 Jul 2020 11:43

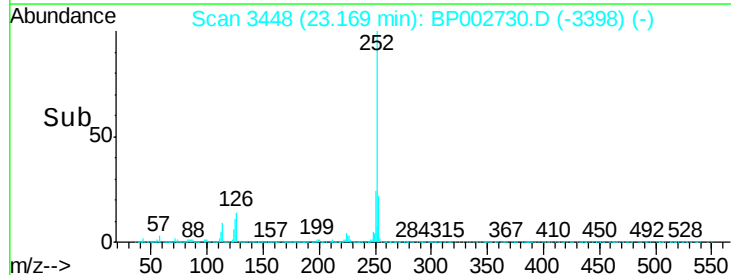
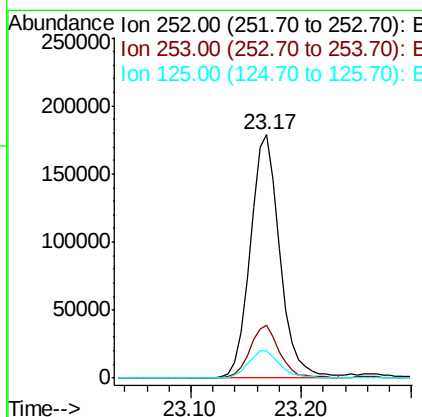
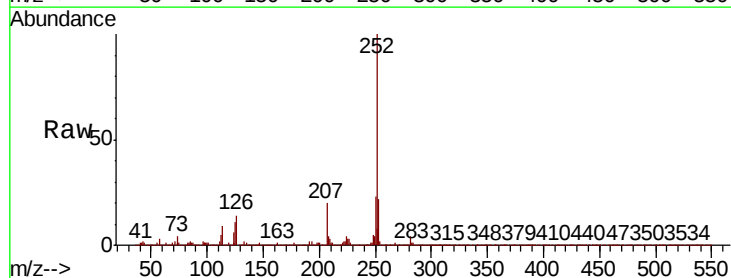
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

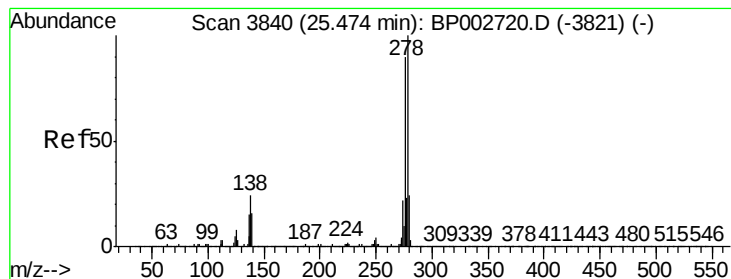
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.1	8.3	12.5



#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	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 :

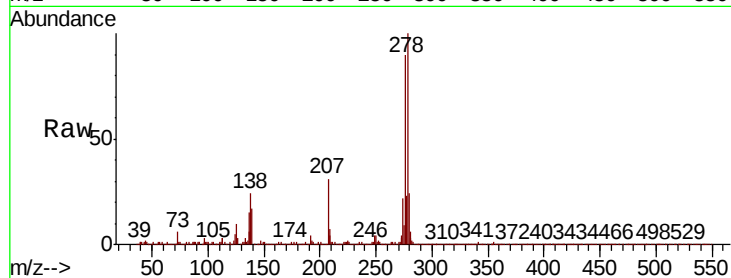
BNA_P

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

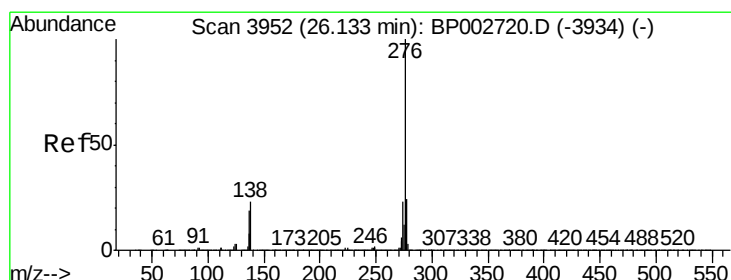
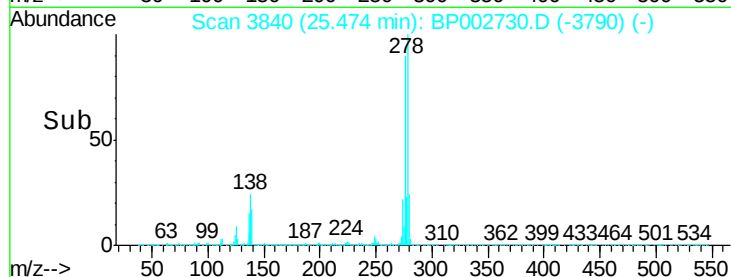
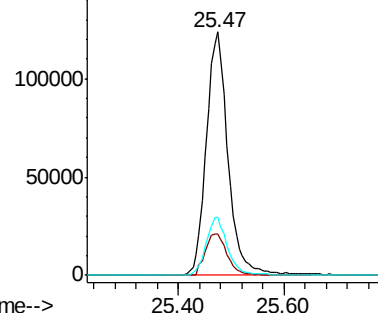


Abundance

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

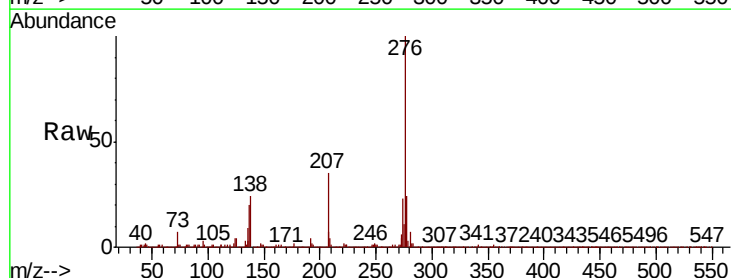
Delta R.T. -0.02 min

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

