

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061020\
 Data File : BP002383.D
 Acq On : 10 Jun 2020 19:59
 Operator : CG/JU
 Sample : L1161-01
 Misc : LOD-MDL-S-8PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Quant Time: Jun 11 04:40:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 03:54:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	170864	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	653469	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	427892	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	963269	20.00	ng	0.00
76) Chrysene-d12	21.10	240	968256	20.00	ng	-0.01
86) Perylene-d12	23.30	264	1115167	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1478644	160.13	ng	0.00
7) Phenol-d6	6.78	99	1995231	162.30	ng	0.00
23) Nitrobenzene-d5	8.73	82	1322118	120.83	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	986207	240.73	ng	0.00
45) 2-Fluorobiphenyl	12.86	172	3009188	118.25	ng	0.00
79) Terphenyl-d14	19.59	244	4492834	121.58	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.16	88	35043	8.239	ng	99
3) Pyridine	3.55	79	79775	6.901	ng	96
4) n-Nitrosodimethylamine	3.46	42	34937	7.333	ng	# 96
6) Aniline	6.92	93	132920	7.950	ng	97
8) 2-Chlorophenol	7.16	128	84364	8.126	ng	98
9) Benzaldehyde	6.73	77	78045	12.425	ng	96
10) Phenol	6.80	94	106330	7.975	ng	98
11) bis(2-Chloroethyl)ether	7.03	93	87338	7.845	ng	97
12) 1,3-Dichlorobenzene	7.48	146	98396	8.230	ng	99
13) 1,4-Dichlorobenzene	7.63	146	99690	8.288	ng	99
14) 1,2-Dichlorobenzene	7.94	146	95908	8.324	ng	96
15) Benzyl Alcohol	7.83	79	66661	6.996	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.12	45	114614	7.256	ng	99
17) 2-Methylphenol	8.04	107	68859	7.067	ng	97
18) Hexachloroethane	8.66	117	34957	7.977	ng	96
19) n-Nitroso-di-n-propylamine	8.39	70	65699	7.995	ng	98
20) 3+4-Methylphenols	8.36	107	92650	7.046	ng	97
22) Acetophenone	8.40	105	136352	9.288	ng	99
24) Nitrobenzene	8.78	77	103160	8.770	ng	96
25) Isophorone	9.30	82	184422	8.275	ng	98
26) 2-Nitrophenol	9.49	139	41458	7.910	ng	98
27) 2,4-Dimethylphenol	9.56	122	65372	7.950	ng	94
28) bis(2-Chloroethoxy)methane	9.79	93	117724	8.868	ng	99
29) 2,4-Dichlorophenol	10.02	162	77792	8.404	ng	98
30) 1,2,4-Trichlorobenzene	10.23	180	95944	9.299	ng	97
31) Naphthalene	10.41	128	277771	9.150	ng	99
32) Benzoic acid	9.64	122	9463	1.513	ng	91
33) 4-Chloroaniline	10.52	127	109751	8.281	ng	98
34) Hexachlorobutadiene	10.72	225	57128	9.488	ng	94
35) Caprolactam	11.26	113	26499	8.117	ng	98
36) 4-Chloro-3-methylphenol	11.66	107	80676	8.055	ng	97
37) 2-Methylnaphthalene	12.03	142	203832	9.459	ng	99
38) 1-Methylnaphthalene	12.26	142	192431	9.515	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.42	216	114804	10.178	ng	98

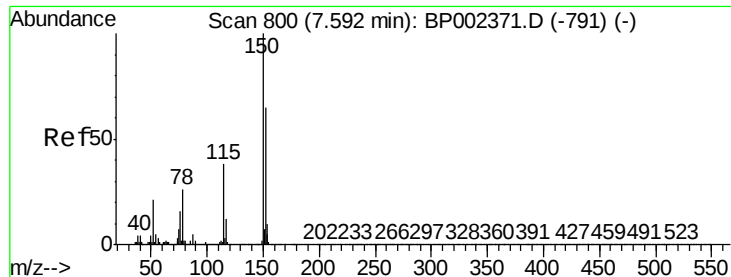
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.40	237	47070	7.849	ng	99
43) 2,4,6-Trichlorophenol	12.66	196	65359	8.188	ng	99
44) 2,4,5-Trichlorophenol	12.73	196	68491	7.410	ng	96
46) 1,1'-Biphenyl	13.06	154	272635	9.722	ng	99
47) 2-Chloronaphthalene	13.10	162	202639	8.834	ng	96
48) 2-Nitroaniline	13.30	65	46895	6.404	ng	98
49) Acenaphthylene	13.95	152	321249	8.774	ng	99
50) Dimethylphthalate	13.70	163	257588	8.786	ng	100
51) 2,6-Dinitrotoluene	13.81	165	50169	7.879	ng	98
52) Acenaphthene	14.30	154	192110	8.957	ng	99
53) 3-Nitroaniline	14.14	138	47748	6.567	ng	98
54) 2,4-Dinitrophenol	14.35	184	15127	4.332	ng	99
55) Dibenzofuran	14.64	168	321915	9.322	ng	98
56) 4-Nitrophenol	14.46	139	34987	6.061	ng	94
57) 2,4-Dinitrotoluene	14.60	165	64019	7.387	ng	99
58) Fluorene	15.29	166	252372	9.292	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.87	232	63696	8.681	ng	95
60) Diethylphthalate	15.08	149	250125	8.514	ng	99
61) 4-Chlorophenyl-phenylether	15.30	204	135507	10.292	ng	92
62) 4-Nitroaniline	15.30	138	49760	7.123	ng	97
63) Azobenzene	15.59	77	239988	8.207	ng	97
65) 4,6-Dinitro-2-methylphenol	15.37	198	31056	6.110	ng	99
66) n-Nitrosodiphenylamine	15.51	169	224051	9.105	ng	99
67) 4-Bromophenyl-phenylether	16.19	248	84863	9.300	ng	96
68) Hexachlorobenzene	16.30	284	99852	10.312	ng	95
69) Atrazine	16.47	200	83317	10.379	ng	99
70) Pentachlorophenol	16.65	266	39547	6.826	ng	96
71) Phenanthrene	17.03	178	420095	9.323	ng	99
72) Anthracene	17.13	178	415310	9.278	ng	98
73) Carbazole	17.40	167	375715	8.532	ng	99
74) Di-n-butylphthalate	17.99	149	403419	7.741	ng	98
75) Fluoranthene	19.02	202	497219	9.244	ng	99
77) Benzidine	19.20	184	222001	10.261	ng	98
78) Pyrene	19.37	202	527996	8.902	ng	98
80) Butylbenzylphthalate	20.27	149	168988	6.410	ng	93
81) Benzo(a)anthracene	21.08	228	520446	9.417	ng	97
82) 3,3'-Dichlorobenzidine	21.02	252	195893	9.537	ng	99
83) Chrysene	21.13	228	499667	9.542	ng	98
84) Bis(2-ethylhexyl)phthalate	21.04	149	278050	7.250	ng	98
85) Di-n-octyl phthalate	21.91	149	453544	6.743	ng	99
87) Indeno(1,2,3-cd)pyrene	25.51	276	613258	8.792	ng	97
88) Benzo(b)fluoranthene	22.64	252	496956	8.264	ng	99
89) Benzo(k)fluoranthene	22.68	252	544073	9.522	ng	100
90) Benzo(a)pyrene	23.20	252	465940	8.268	ng	98
91) Dibenzo(a,h)anthracene	25.52	278	518194	9.262	ng	99
92) Benzo(g,h,i)perylene	26.17	276	517234	8.926	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 800

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

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LOD-MDL-SOIL-01-QT1-2020

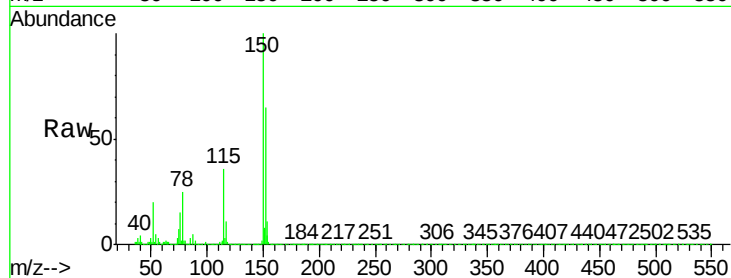
Tot Ion:152 Resp: 170864

Ion Ratio Lower Upper

152 100

150 153.3 124.0 186.0

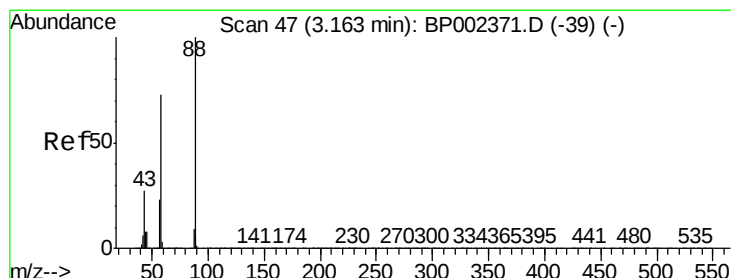
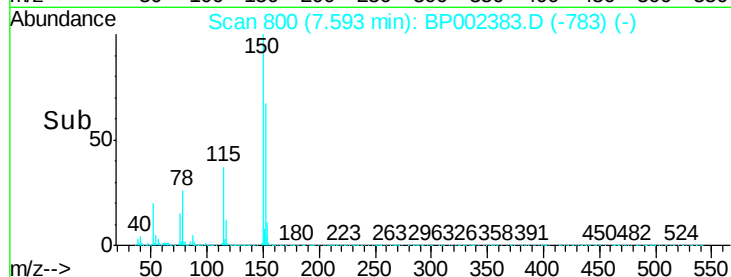
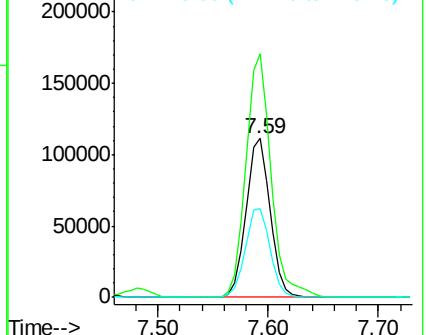
115 55.7 47.4 71.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 8.239 ng

RT: 3.16 min Scan# 47

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

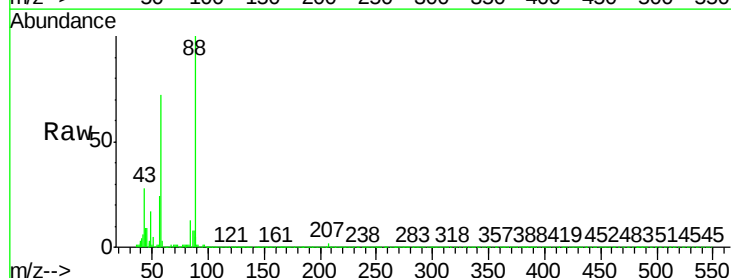
Tgt Ion: 88 Resp: 35043

Ion Ratio Lower Upper

88 100

58 73.6 58.2 87.4

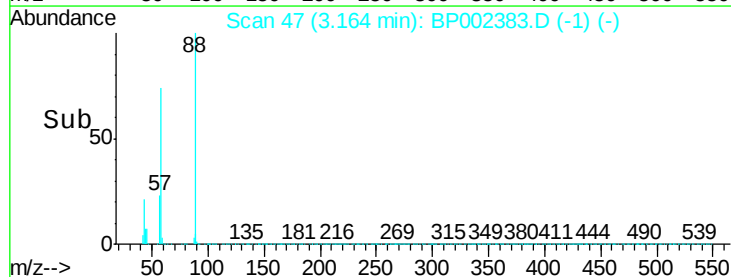
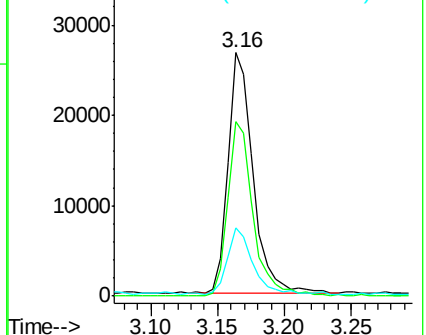
43 26.9 21.8 32.8

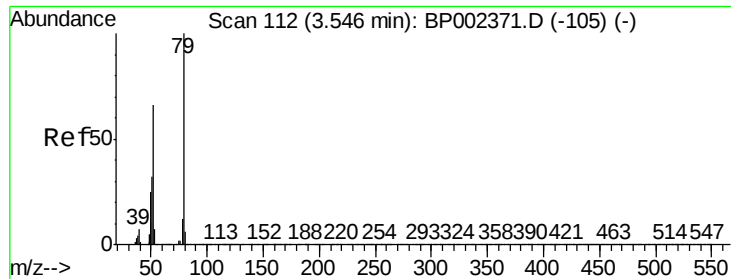


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0





#3

Pvridine

Concen: 6.901 ng

RT: 3.55 min Scan# 113

Delta R.T. 0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

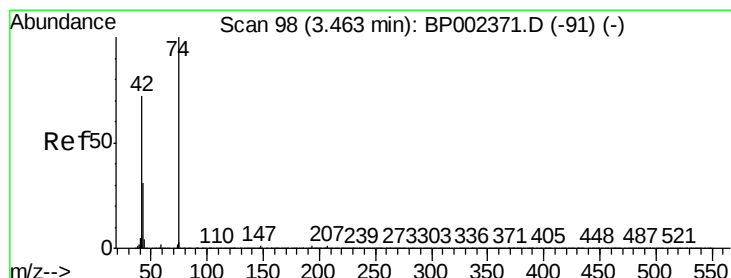
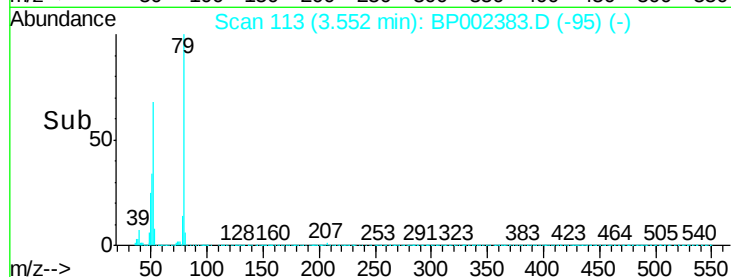
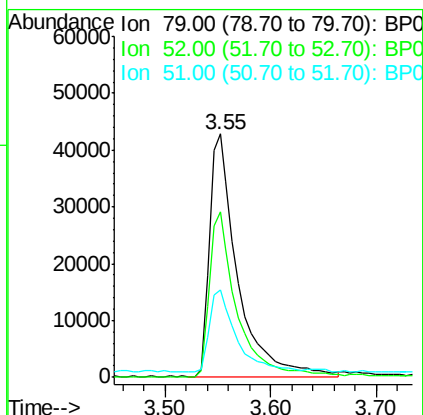
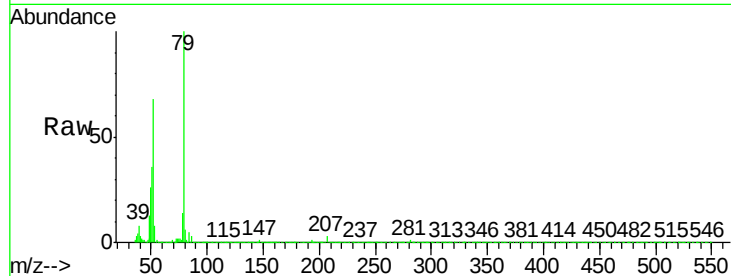
Tot Ion: 79 Resp: 79775

Ion Ratio Lower Upper

79 100

52 68.1 52.5 78.7

51 36.0 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 7.333 ng

RT: 3.46 min Scan# 98

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

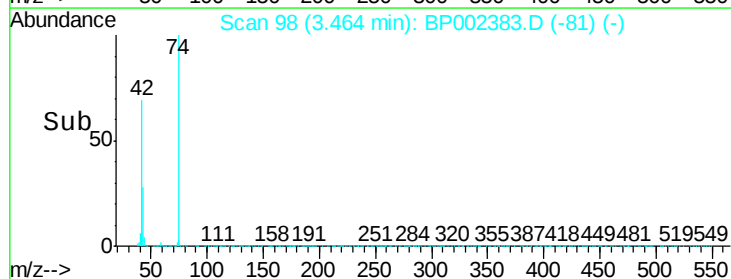
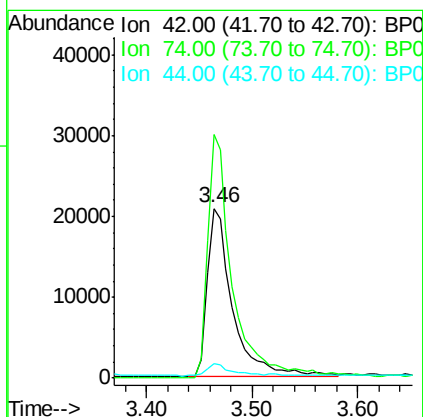
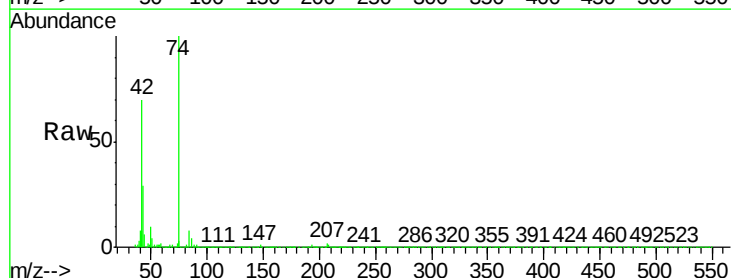
Tgt Ion: 42 Resp: 34937

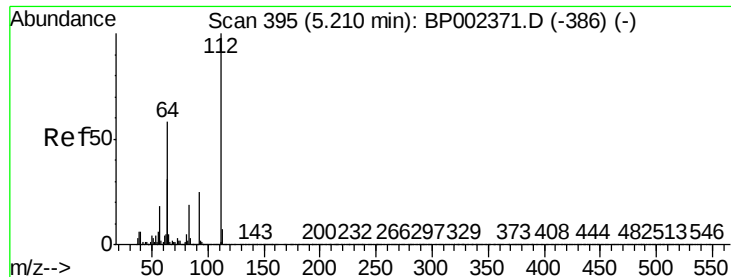
Ion Ratio Lower Upper

42 100

74 143.6 111.1 166.7

44 8.3 5.4 8.0#





#5

2-Fluorophenol

Concen: 160.133 ng

RT: 5.21 min Scan# 395

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

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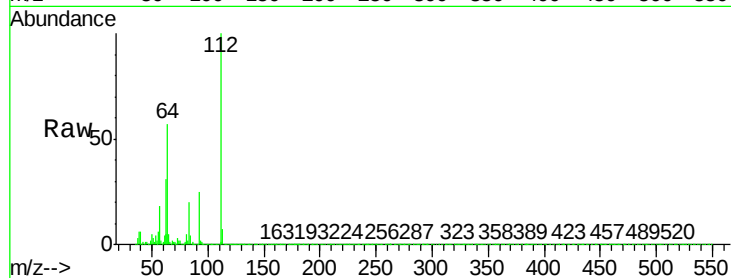
Tot Ion:112 Resp: 1478644

Ion Ratio Lower Upper

112 100

64 56.8 46.2 69.2

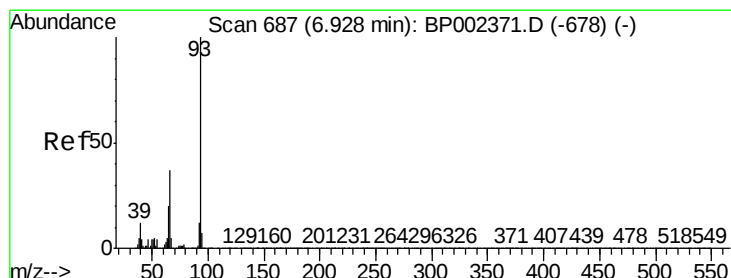
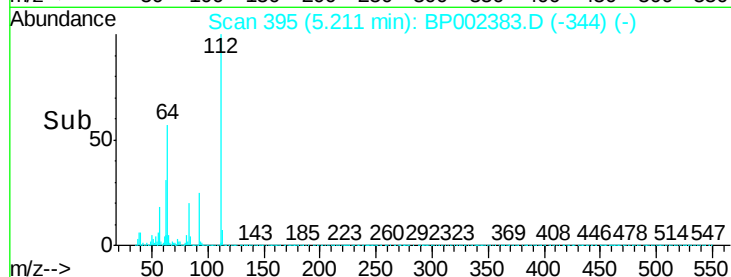
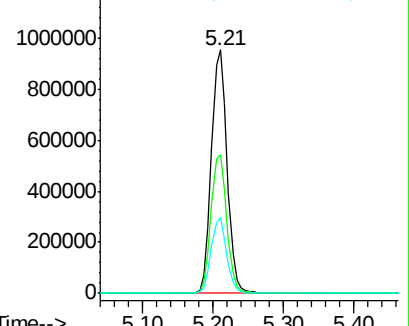
63 31.3 24.5 36.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 7.950 ng

RT: 6.92 min Scan# 686

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

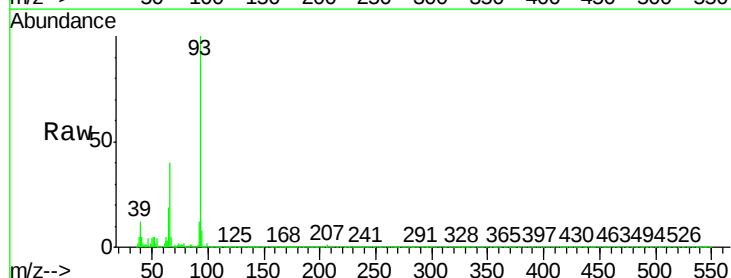
Tgt Ion: 93 Resp: 132920

Ion Ratio Lower Upper

93 100

66 39.8 29.8 44.6

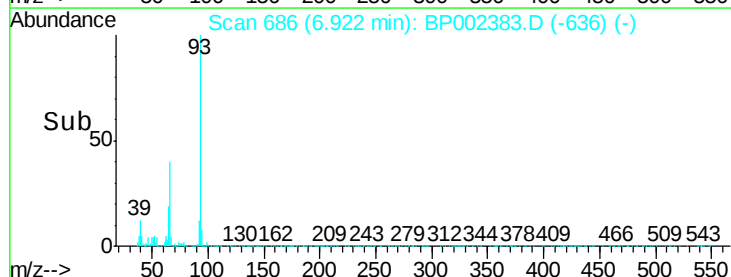
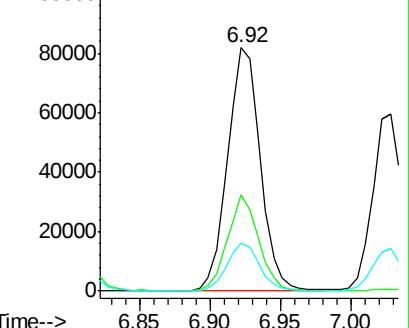
65 19.4 15.7 23.5

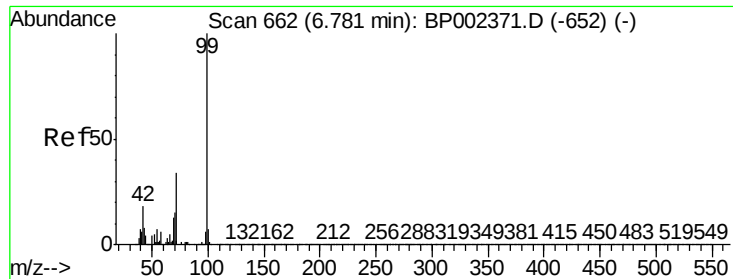


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 162.295 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

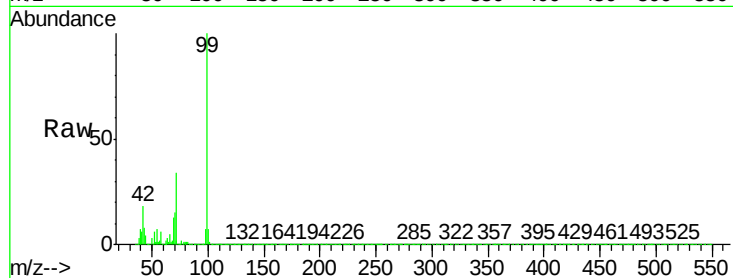
BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 99 Resp: 1995231

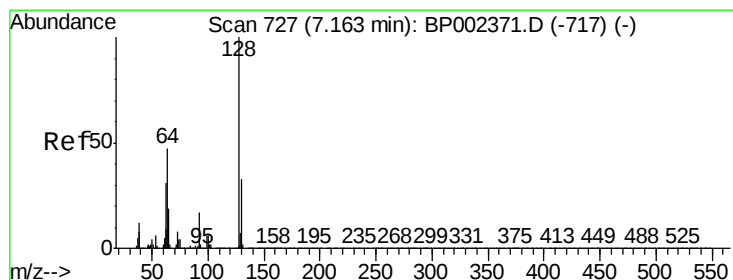
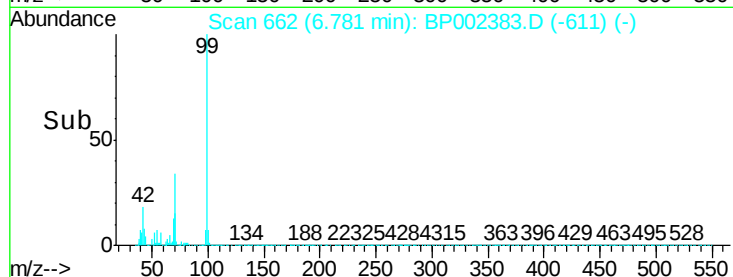
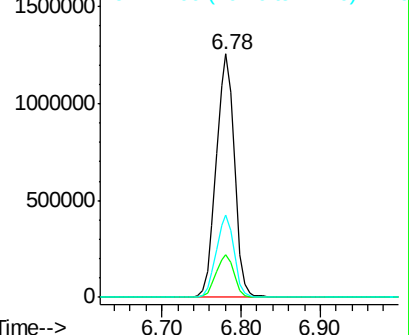
Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	22.0
71	34.0	27.2	40.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#8

2-Chlorophenol

Concen: 8.126 ng

RT: 7.16 min Scan# 727

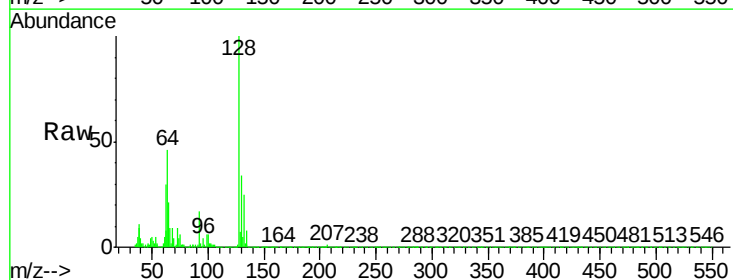
Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Tgt Ion: 128 Resp: 84364

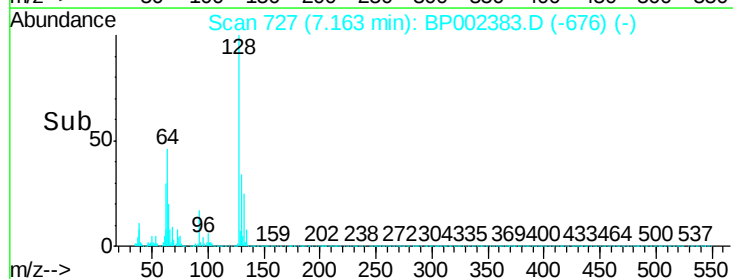
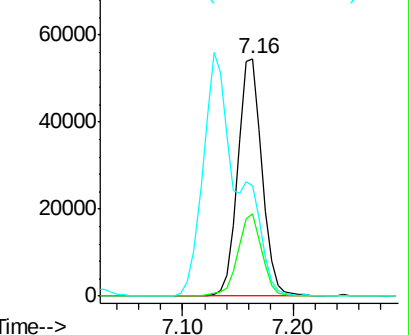
Ion	Ratio	Lower	Upper
128	100		
130	34.4	12.5	52.5
64	46.5	27.7	67.7

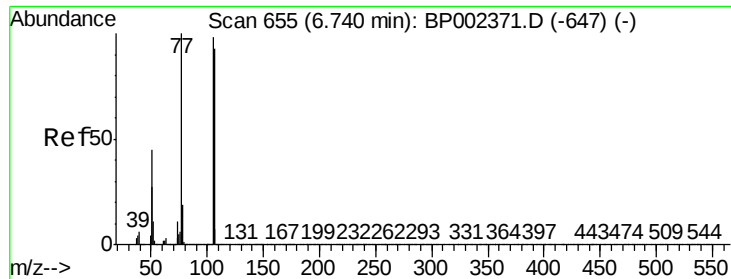


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0





#9

Benzaldehyde

Concen: 12.425 ng

RT: 6.73 min Scan# 654

Delta R.T. -0.00 min

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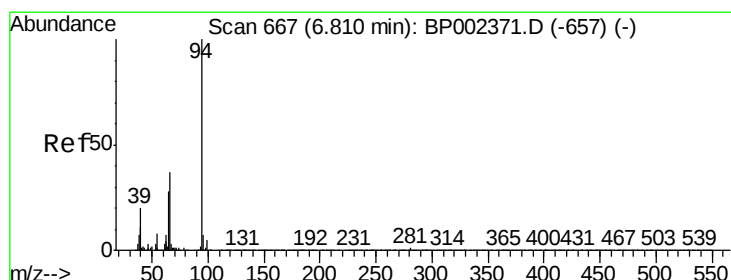
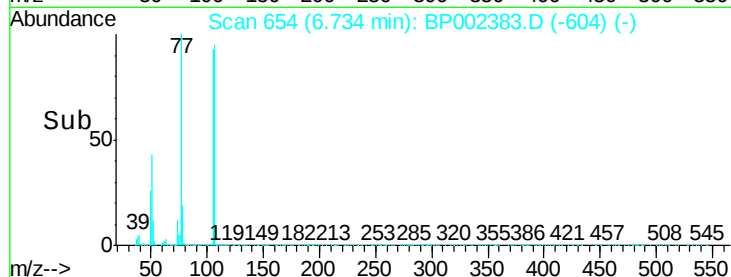
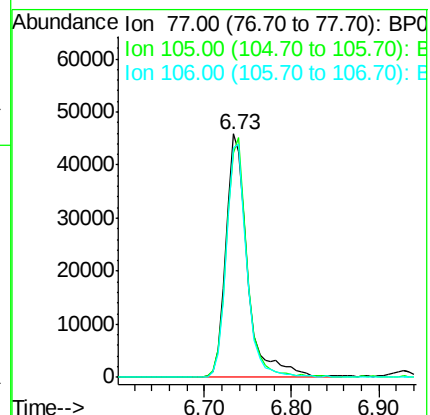
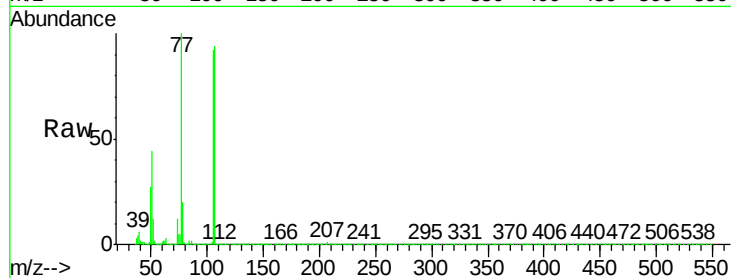
Tot Ion: 77 Resp: 78045

Ion Ratio Lower Upper

77 100

105 92.3 78.1 118.1

106 94.3 73.2 113.2



#10

Phenol

Concen: 7.975 ng

RT: 6.80 min Scan# 666

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

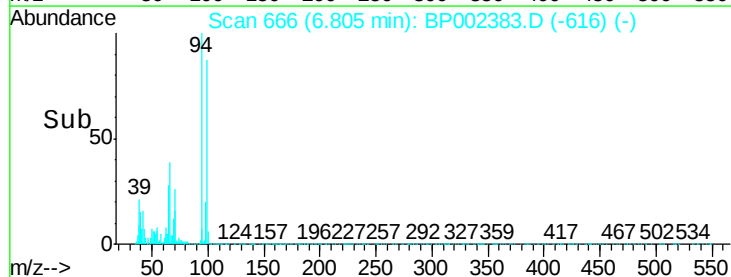
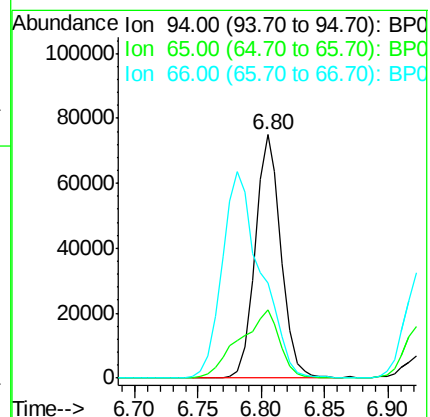
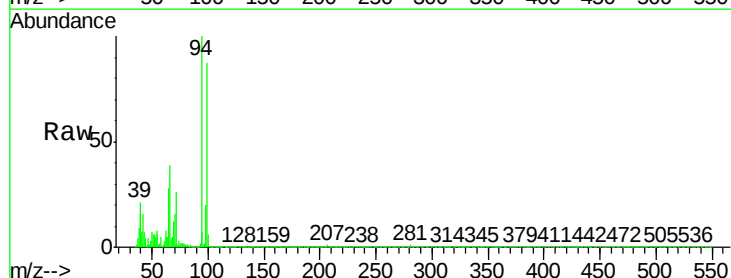
Tgt Ion: 94 Resp: 106330

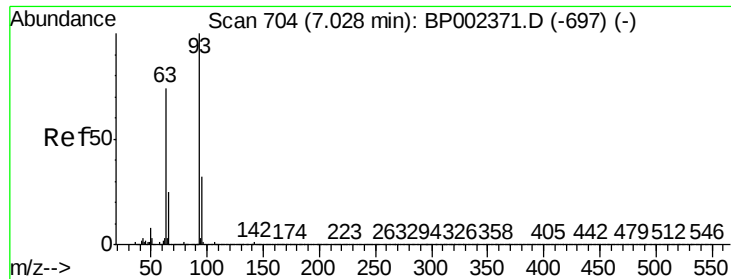
Ion Ratio Lower Upper

94 100

65 27.9 7.7 47.7

66 39.0 16.9 56.9

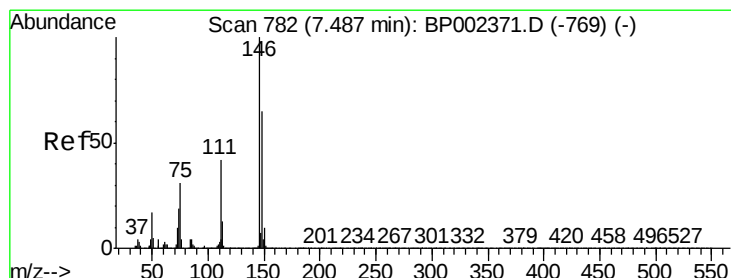
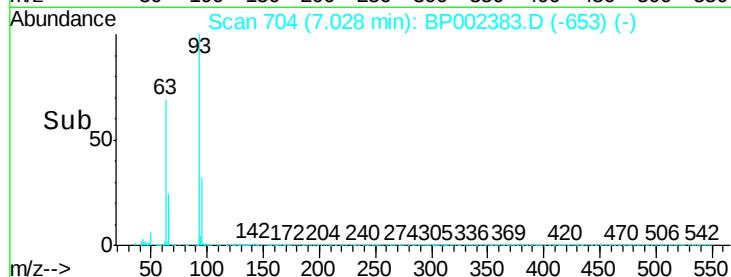
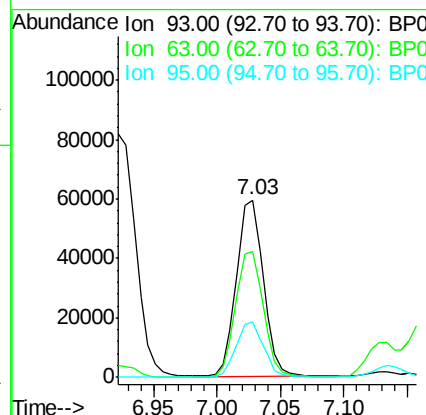
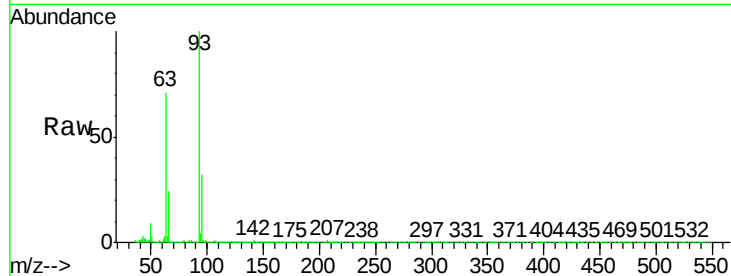




#11
bis(2-Chloroethyl)ether
Concen: 7.845 ng
RT: 7.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

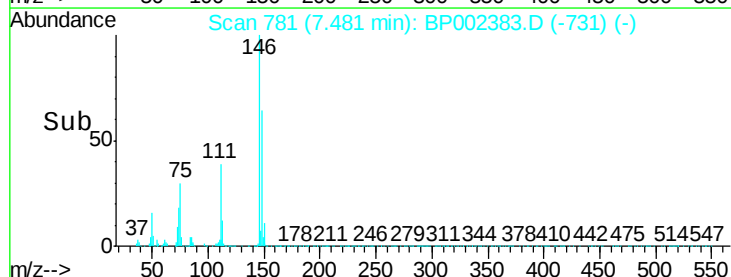
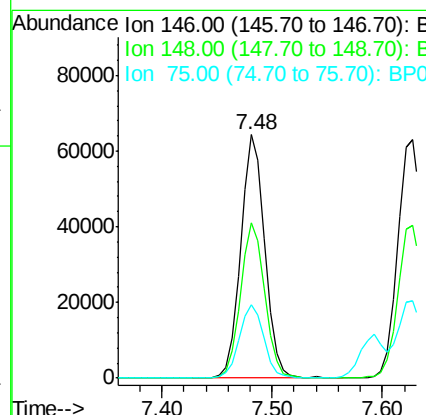
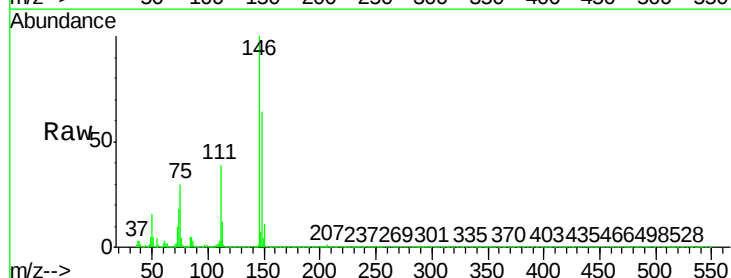
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

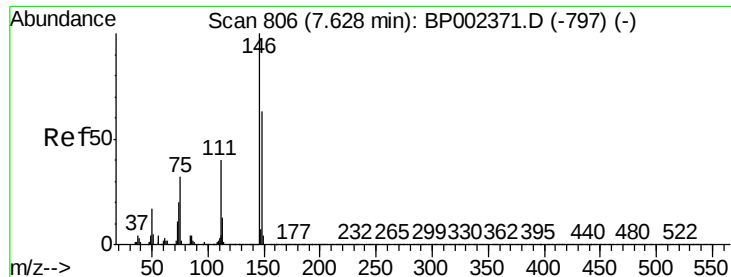
Tot Ion:	93	Resp:	87338
Ion	Ratio	Lower	Upper
93	100		
63	70.9	54.2	94.2
95	31.6	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 8.230 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:	146	Resp:	98396
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.6	77.4
75	30.3	25.0	37.4

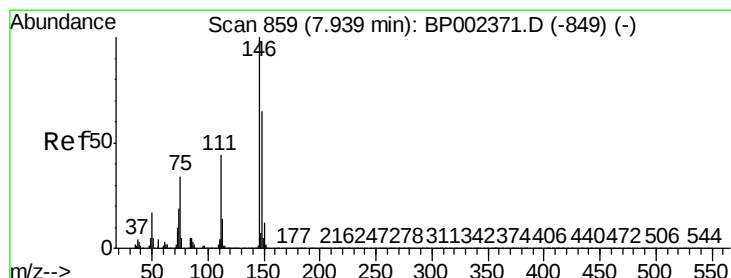
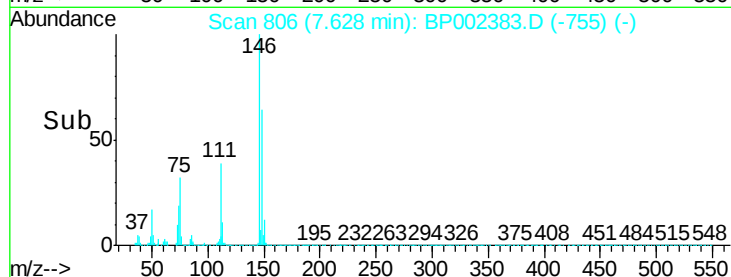
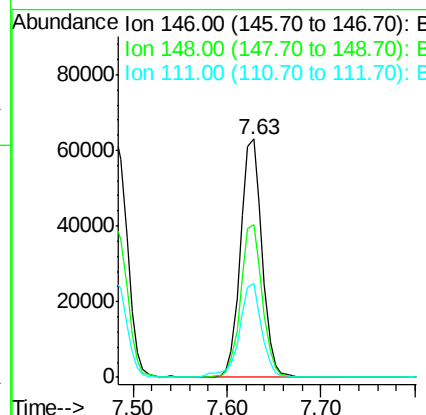
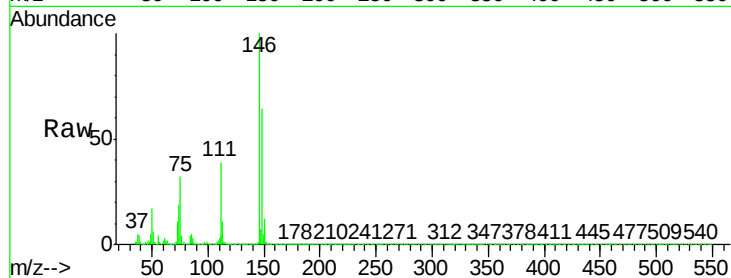




#13
1,4-Dichlorobenzene
Concen: 8.288 ng
RT: 7.63 min Scan# 806
Delta R.T. 0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

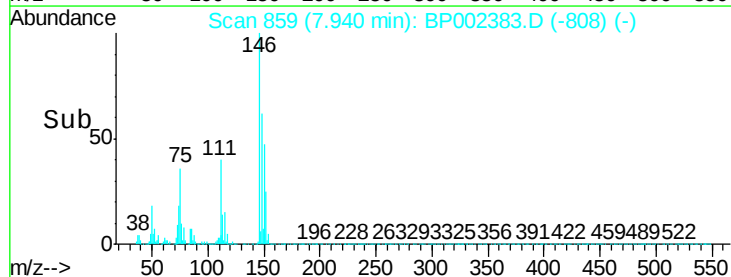
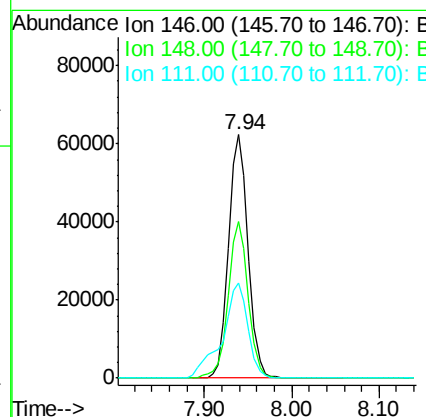
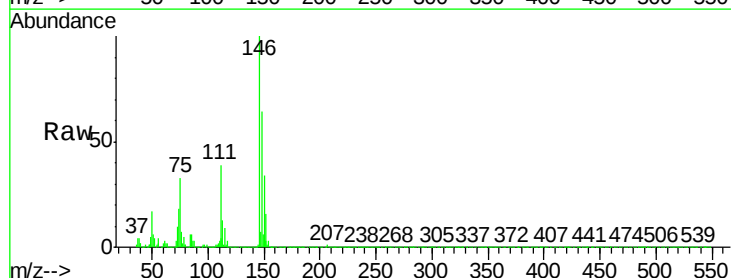
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

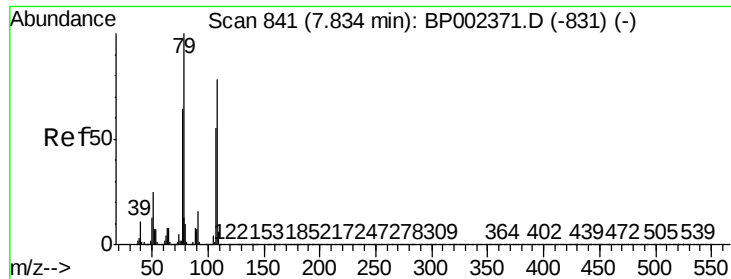
Tot Ion:146 Resp: 99690
Ion Ratio Lower Upper
146 100
148 64.2 50.7 76.1
111 39.1 32.2 48.2



#14
1,2-Dichlorobenzene
Concen: 8.324 ng
RT: 7.94 min Scan# 859
Delta R.T. 0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:146 Resp: 95908
Ion Ratio Lower Upper
146 100
148 64.2 51.8 77.6
111 39.2 35.4 53.2

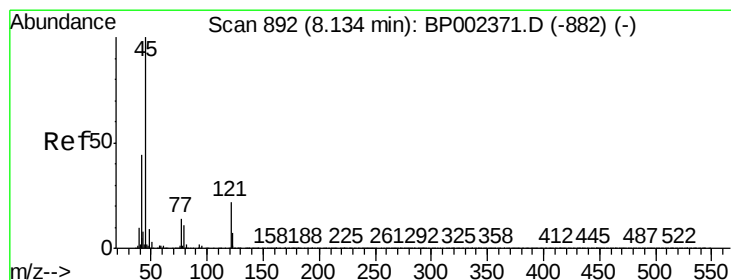
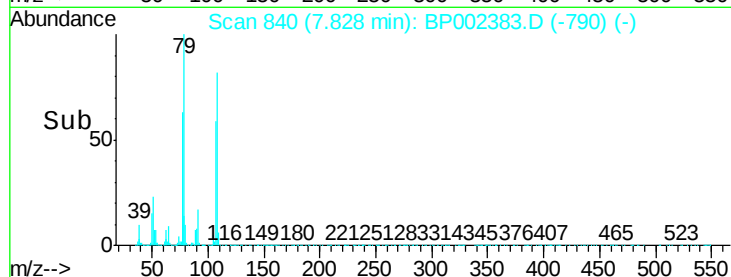
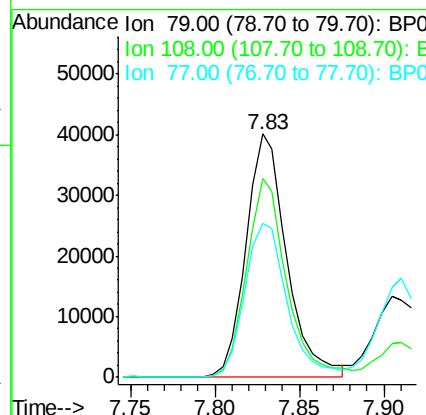
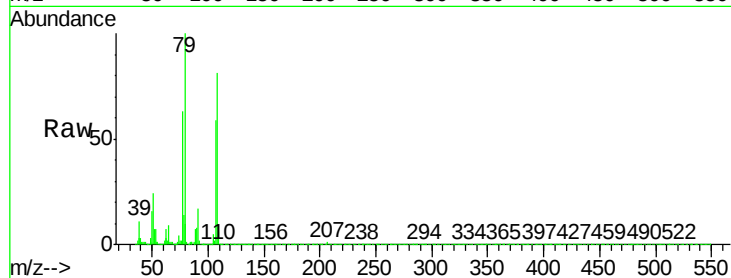




#15
Benzyl Alcohol
Concen: 6.996 ng
RT: 7.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

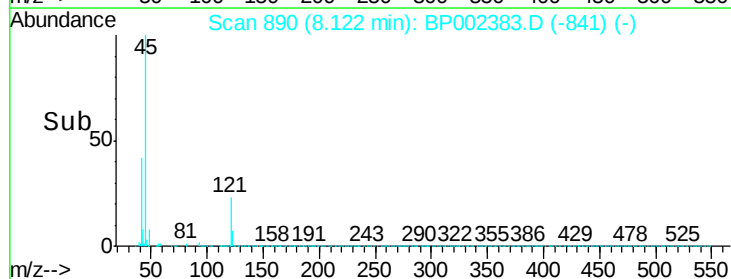
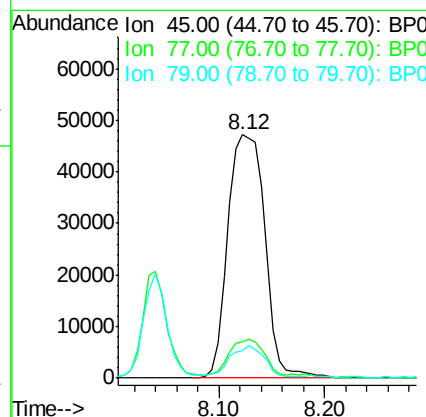
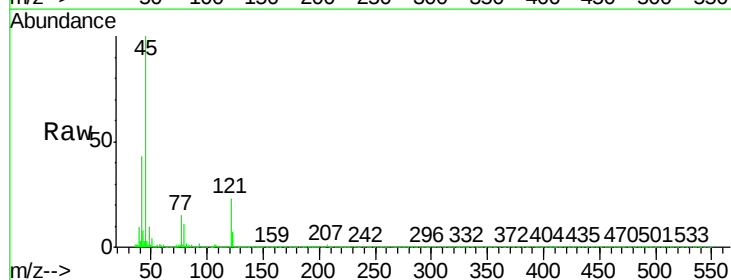
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

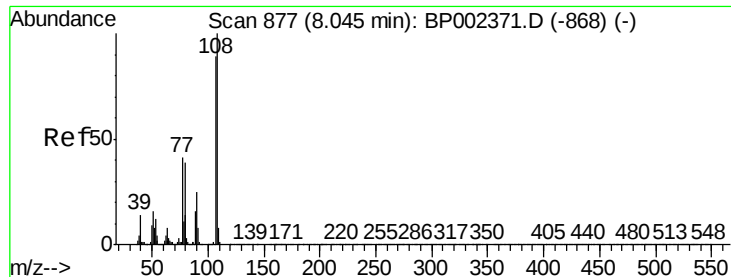
Tot Ion: 79 Resp: 66661
Ion Ratio Lower Upper
79 100
108 81.5 62.6 94.0
77 63.1 51.5 77.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 7.256 ng
RT: 8.12 min Scan# 890
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion: 45 Resp: 114614
Ion Ratio Lower Upper
45 100
77 14.9 0.0 35.0
79 11.2 0.0 32.0





#17

2-Methylphenol

Concen: 7.067 ng

RT: 8.04 min Scan# 876

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:107 Resp: 68859

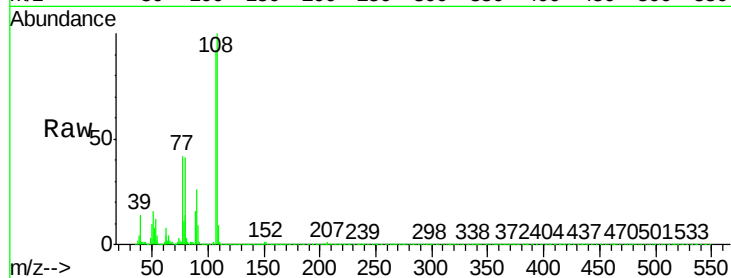
Ion Ratio Lower Upper

107 100

108 108.6 90.3 135.5

77 45.8 37.1 55.7

79 45.0 35.8 53.6

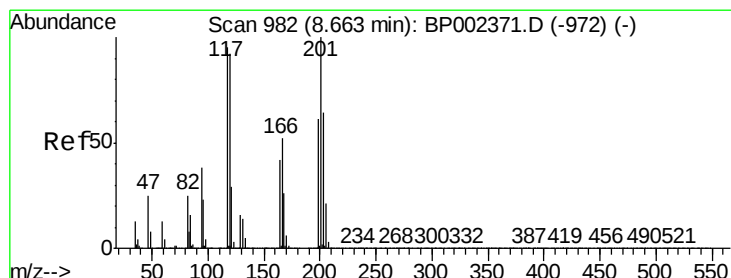
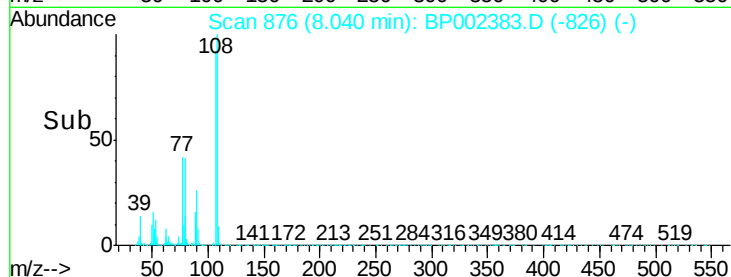
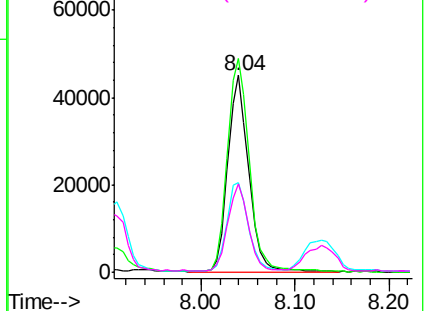


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#18

Hexachloroethane

Concen: 7.977 ng

RT: 8.66 min Scan# 982

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

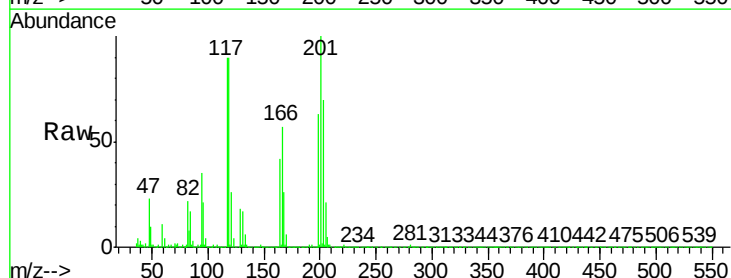
Tgt Ion:117 Resp: 34957

Ion Ratio Lower Upper

117 100

119 99.5 77.8 116.8

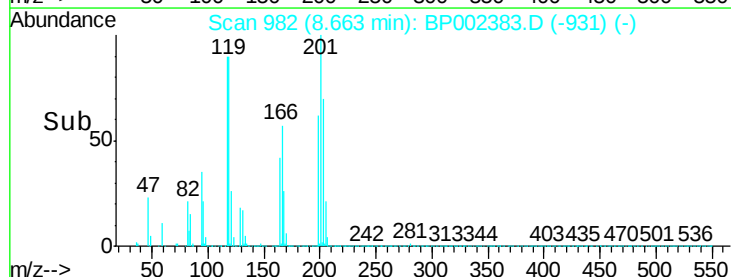
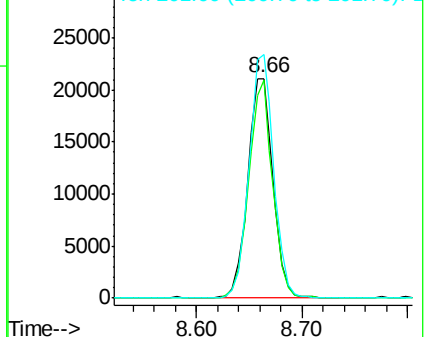
201 110.8 84.2 126.4

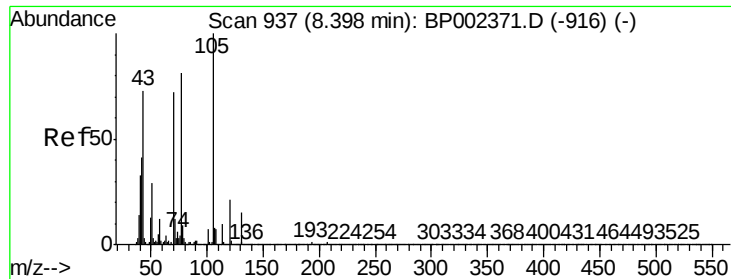


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

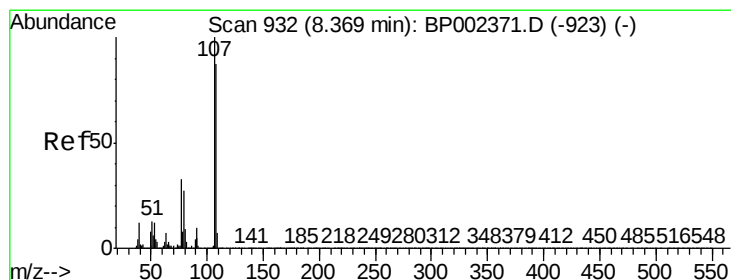
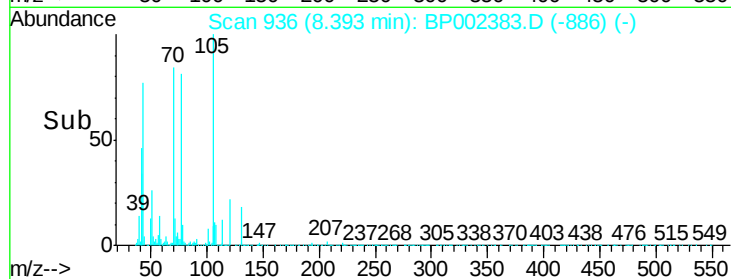
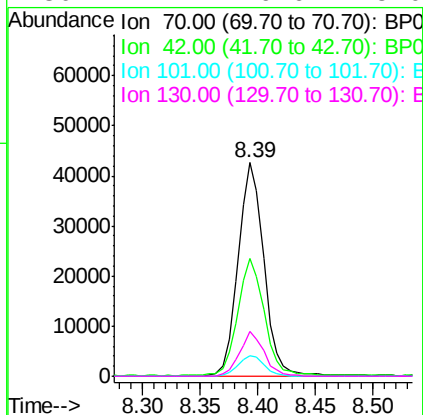
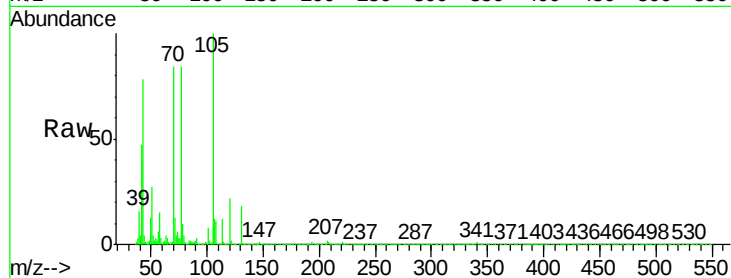




#19
n-Nitroso-di-n-propylamine
Concen: 7.995 ng
RT: 8.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

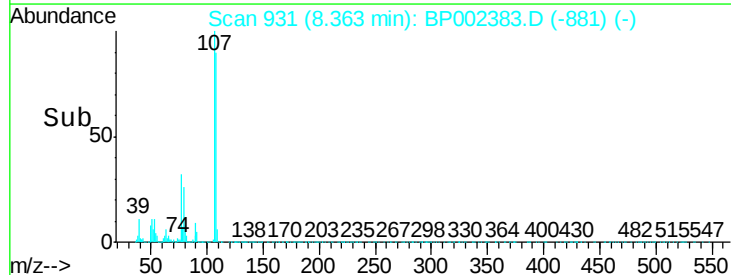
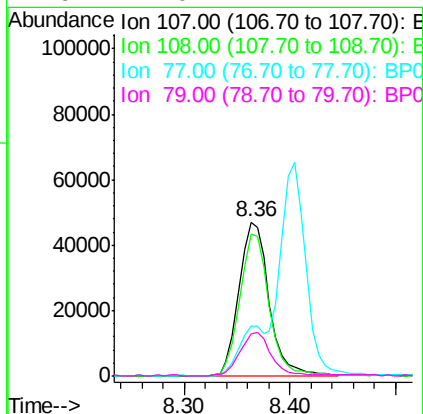
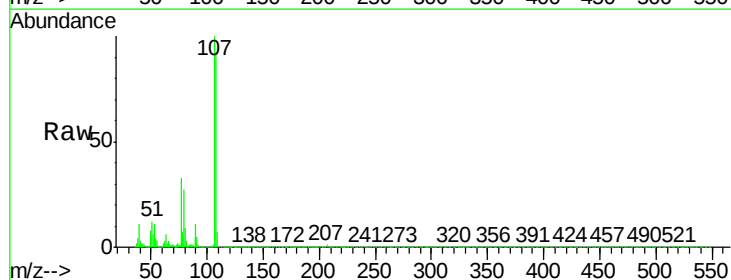
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

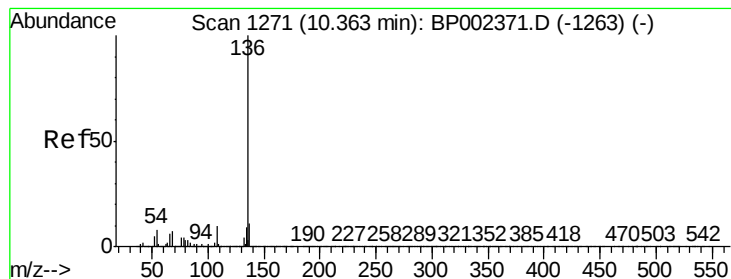
Tot Ion:	70	Resp:	65699
Ion	Ratio	Lower	Upper
70	100		
42	55.2	45.7	68.5
101	9.4	7.5	11.3
130	21.1	16.6	25.0



#20
3+4-Methylphenols
Concen: 7.046 ng
RT: 8.36 min Scan# 931
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:	107	Resp:	92650
Ion	Ratio	Lower	Upper
107	100		
108	92.2	67.5	107.5
77	32.6	13.5	53.5
79	27.0	7.4	47.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:136 Resp: 653469

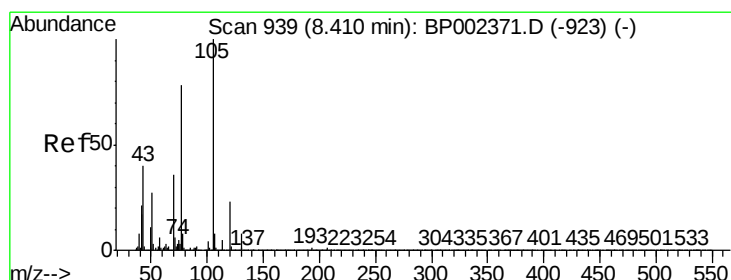
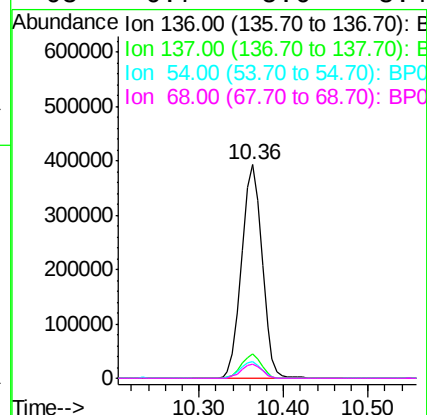
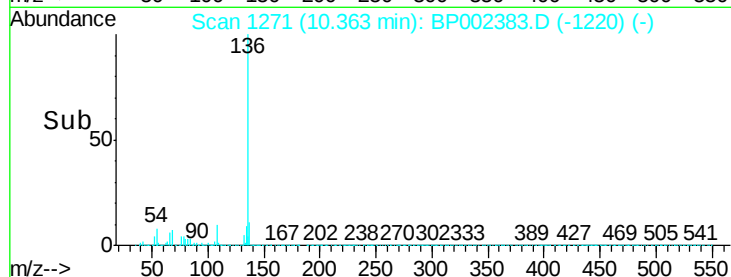
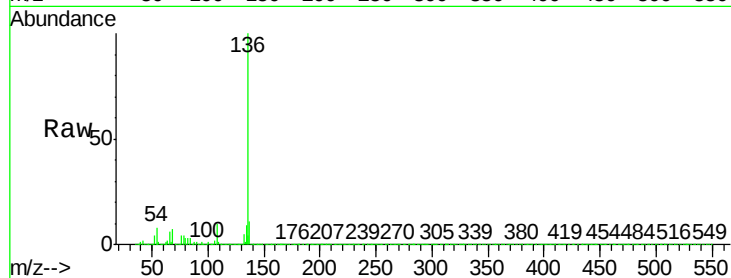
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 7.6 6.4 9.6

68 6.7 5.6 8.4



#22

Acetophenone

Concen: 9.288 ng

RT: 8.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Tgt Ion:105 Resp: 136352

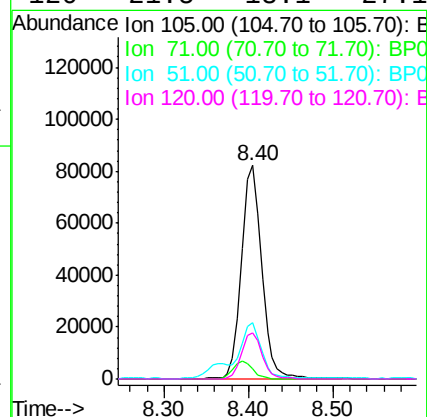
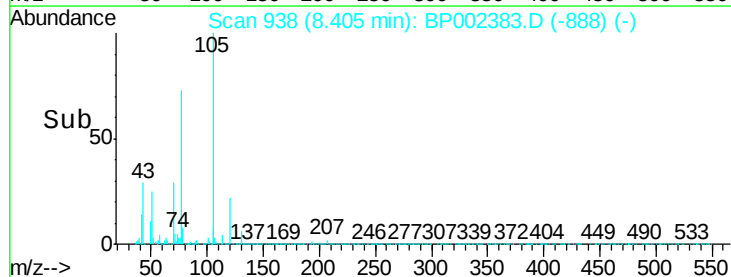
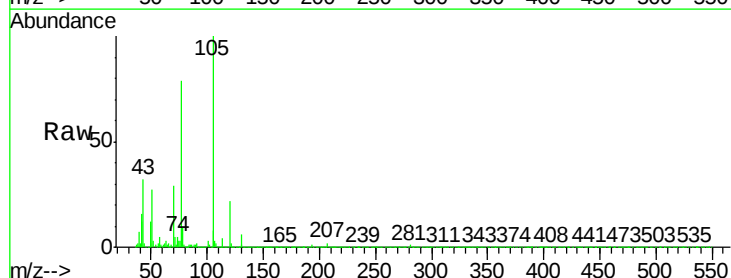
Ion Ratio Lower Upper

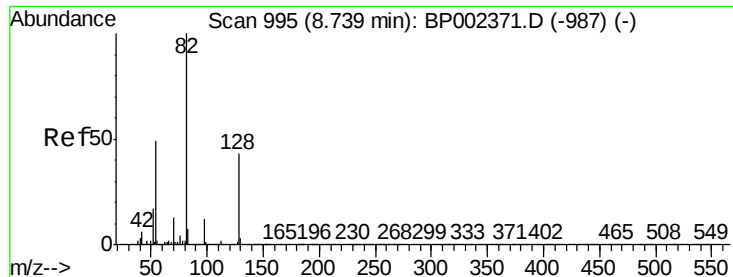
105 100

71 4.8 4.7 7.1

51 26.6 21.4 32.0

120 21.5 18.1 27.1

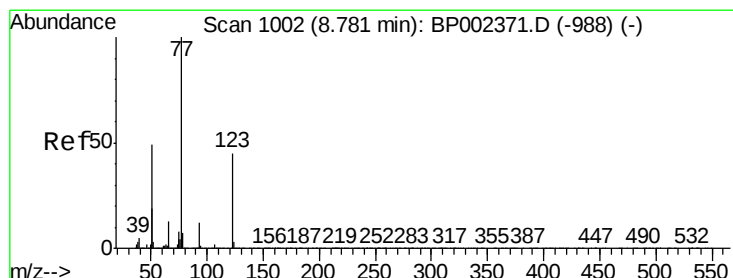
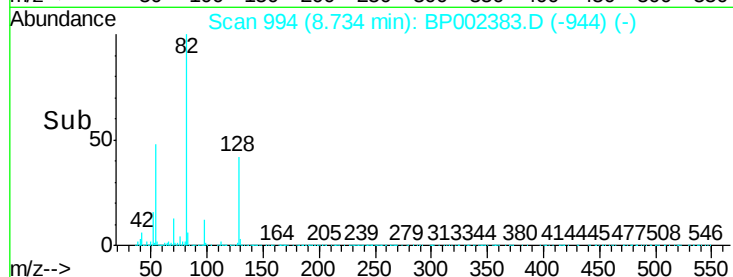
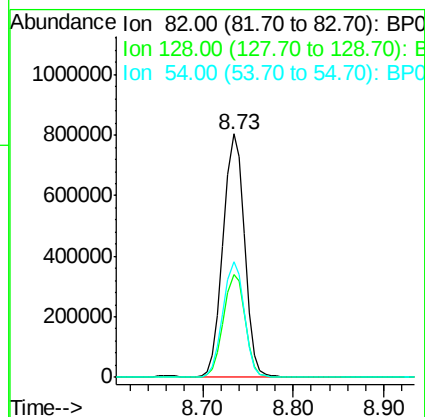
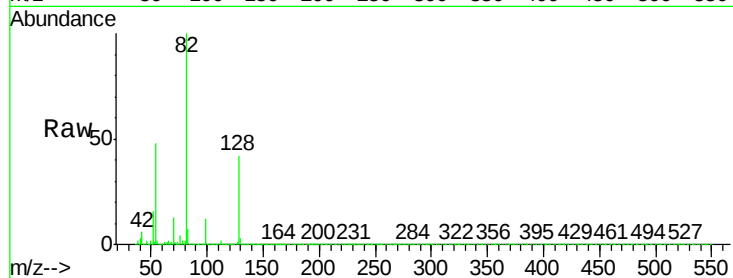




#23
Nitrobenzene-d5
Concen: 120.825 ng
RT: 8.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

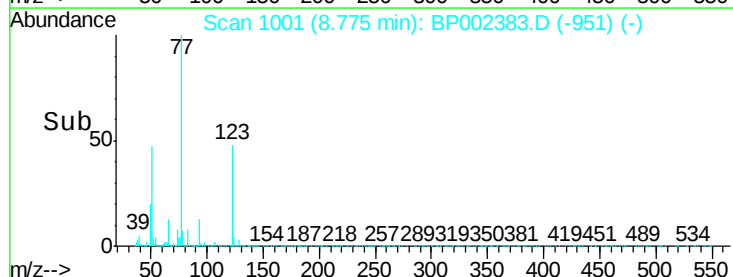
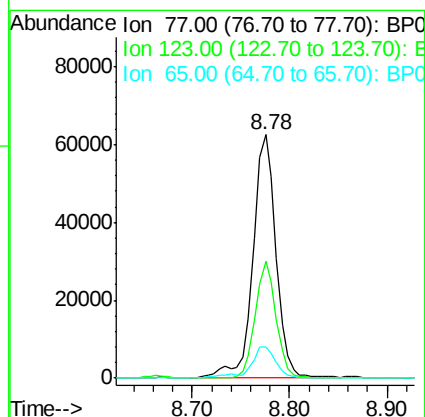
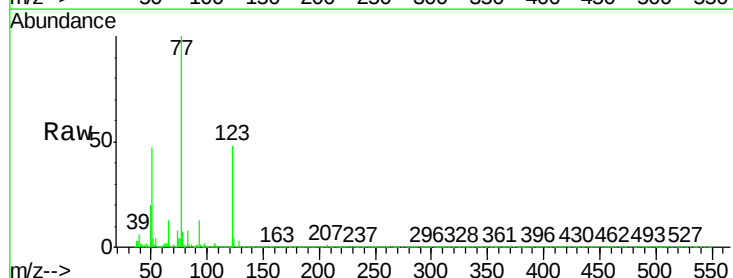
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

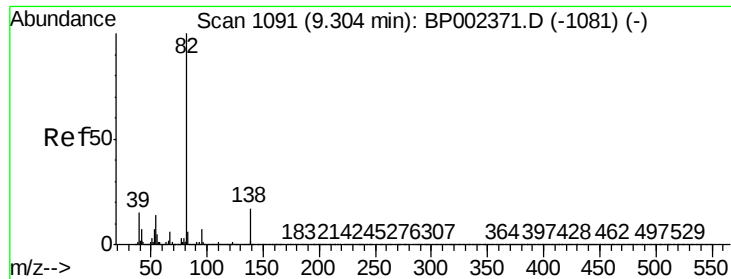
Tot Ion: 82 Resp: 1322118
Ion Ratio Lower Upper
82 100
128 42.3 34.5 51.7
54 47.6 39.4 59.2



#24
Nitrobenzene
Concen: 8.770 ng
RT: 8.78 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion: 77 Resp: 103160
Ion Ratio Lower Upper
77 100
123 48.2 35.8 53.8
65 12.8 10.5 15.7





#25

Isophorone

Concen: 8.275 ng

RT: 9.30 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

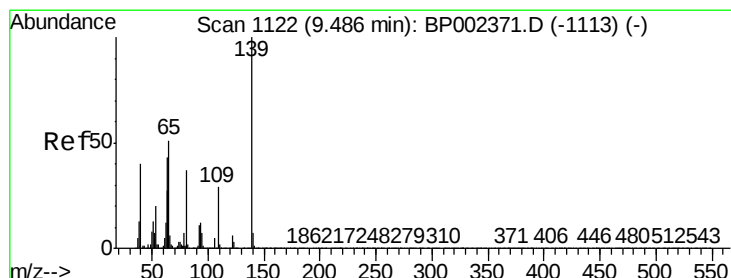
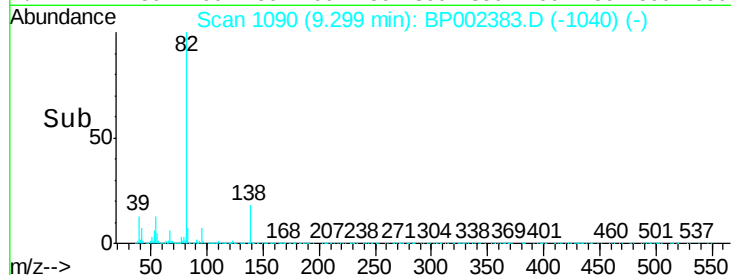
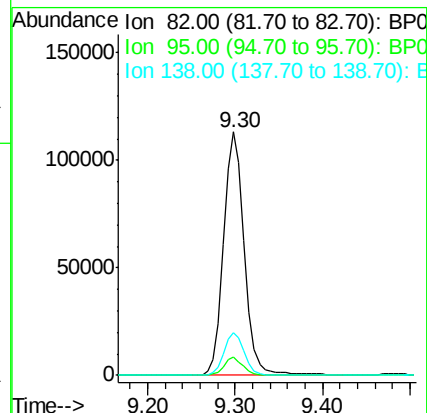
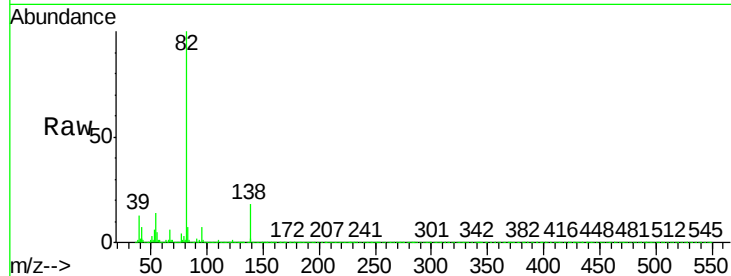
Tot Ion: 82 Resp: 184422

Ion Ratio Lower Upper

82 100

95 7.3 5.4 8.2

138 17.7 13.4 20.0



#26

2-Nitrophenol

Concen: 7.910 ng

RT: 9.49 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

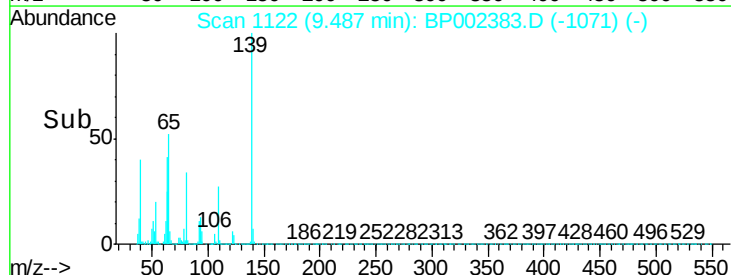
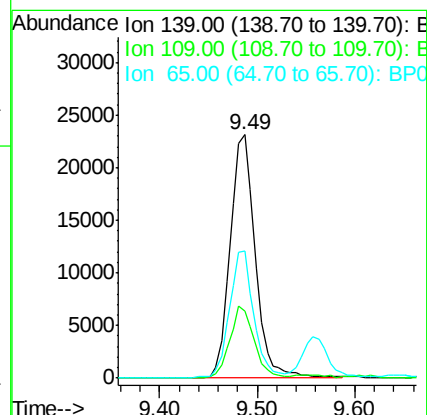
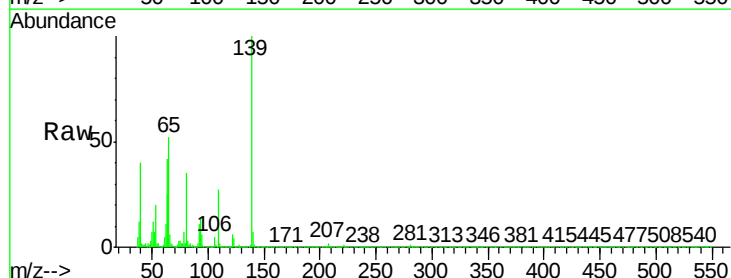
Tgt Ion: 139 Resp: 41458

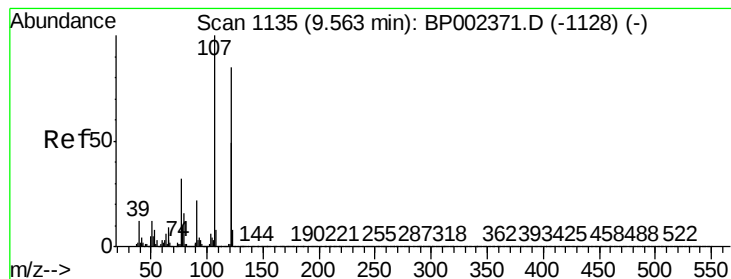
Ion Ratio Lower Upper

139 100

109 27.4 23.4 35.2

65 52.3 41.1 61.7





#27

2,4-Dimethylphenol

Concen: 7.950 ng

RT: 9.56 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

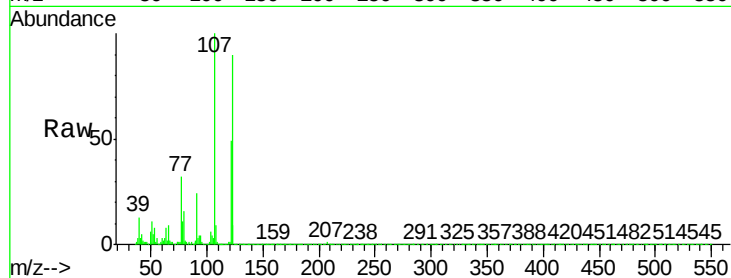
Tot Ion:122 Resp: 65372

Ion Ratio Lower Upper

122 100

107 110.6 94.0 141.0

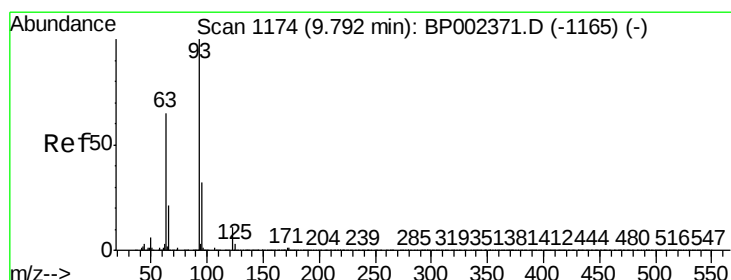
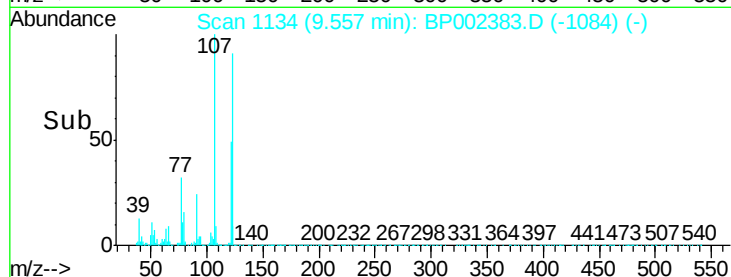
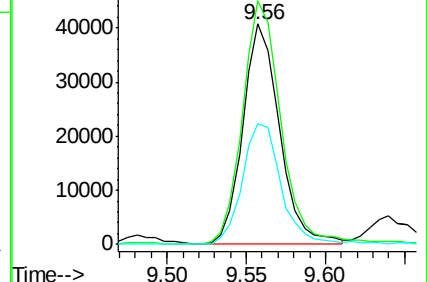
121 54.6 46.4 69.6



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 8.868 ng

RT: 9.79 min Scan# 1174

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

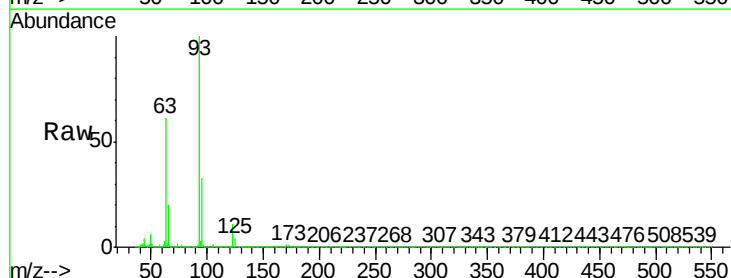
Tgt Ion: 93 Resp: 117724

Ion Ratio Lower Upper

93 100

95 32.7 25.8 38.8

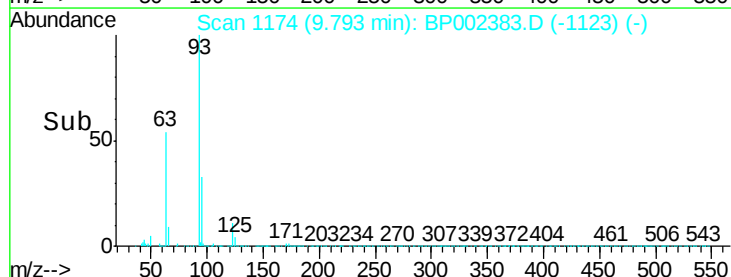
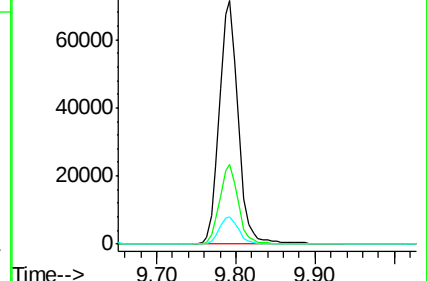
123 11.3 8.7 13.1

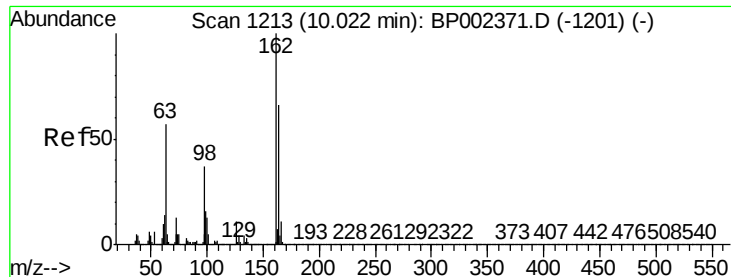


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 8.404 ng

RT: 10.02 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

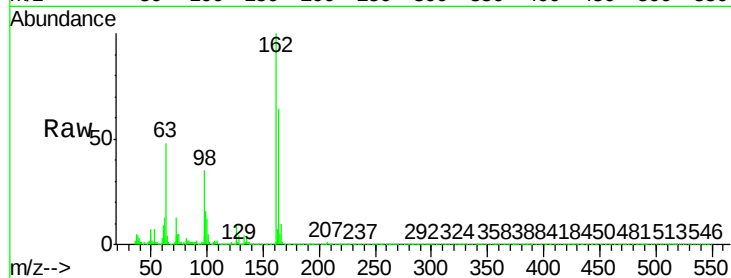
Tot Ion:162 Resp: 77792

Ion Ratio Lower Upper

162 100

164 64.2 45.5 85.5

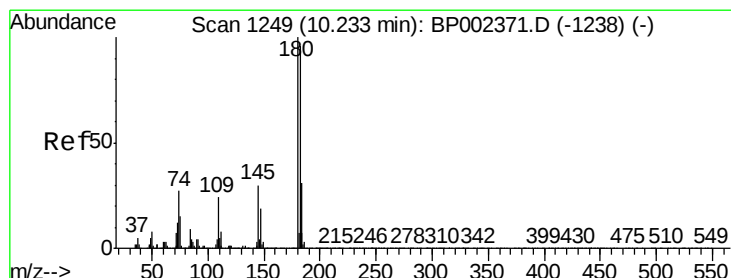
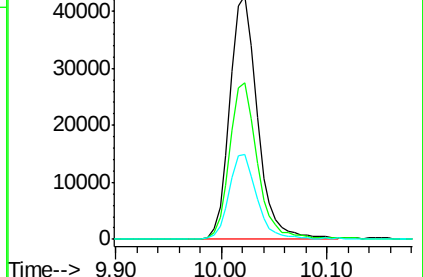
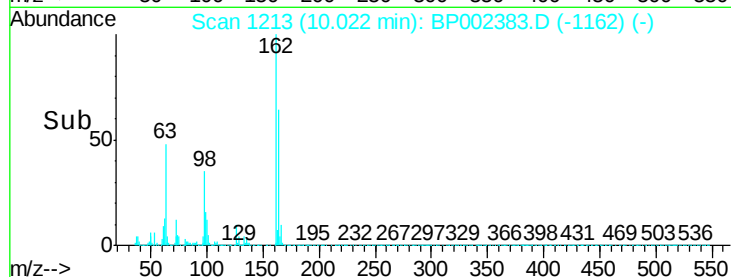
98 34.8 16.6 56.6



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BP0



#30

1,2,4-Trichlorobenzene

Concen: 9.299 ng

RT: 10.23 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

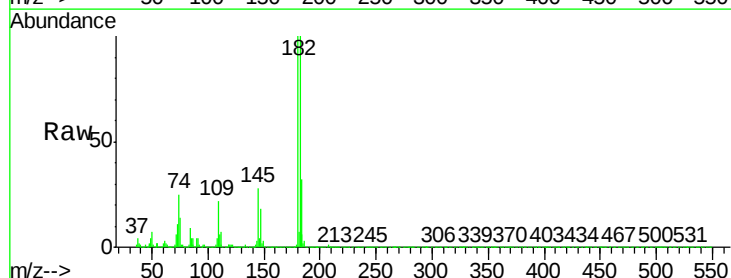
Tgt Ion:180 Resp: 95944

Ion Ratio Lower Upper

180 100

182 99.5 77.1 115.7

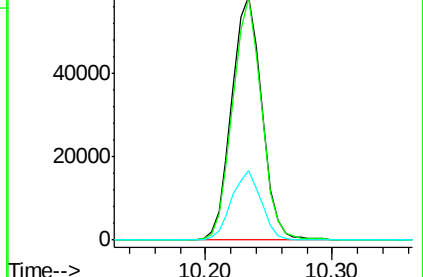
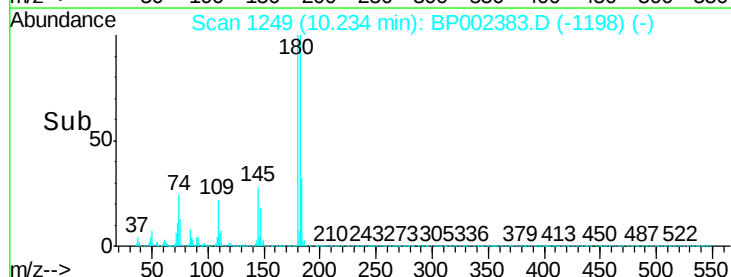
145 28.4 23.8 35.6

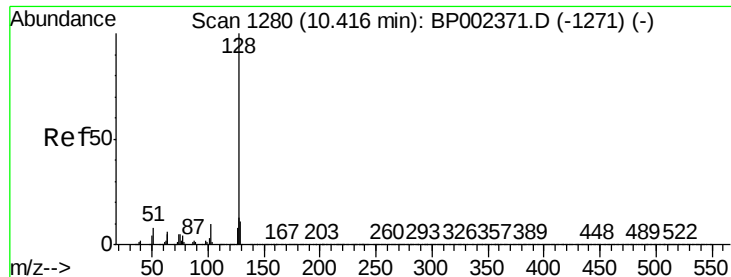


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

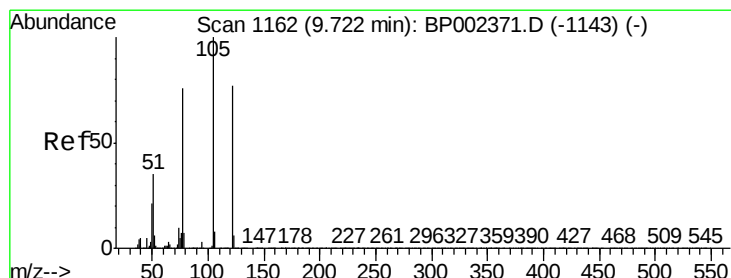
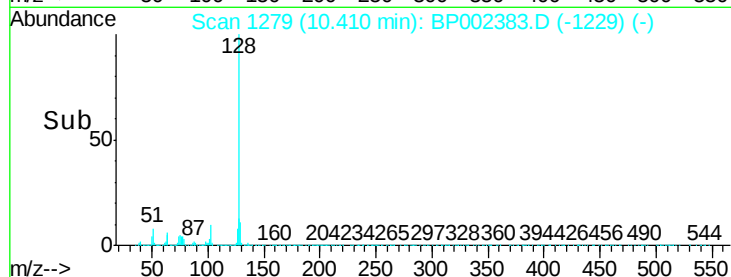
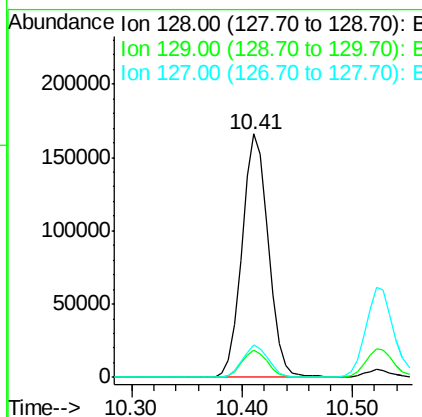
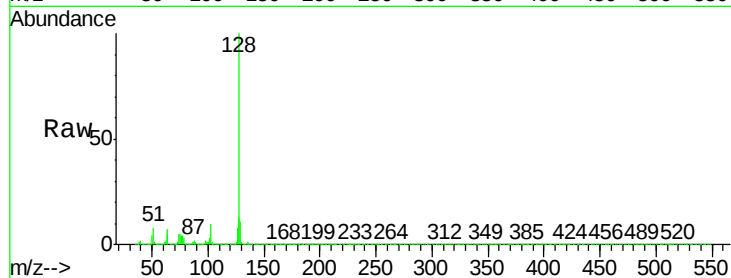




#31
Naphthalene
Concen: 9.150 ng
RT: 10.41 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

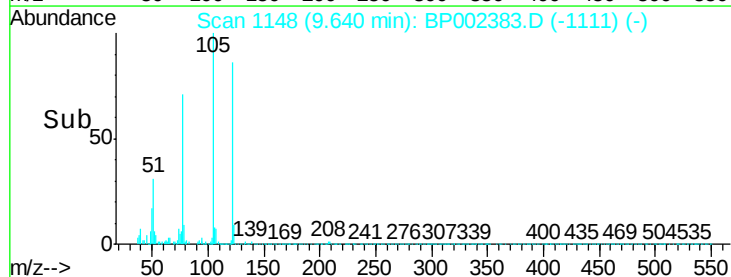
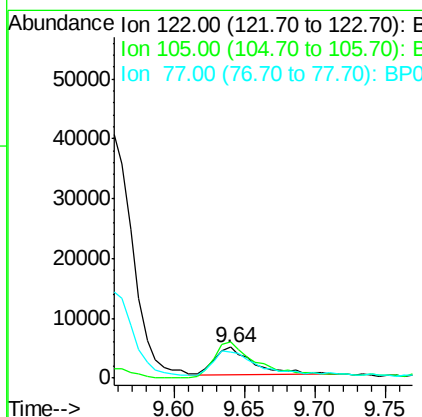
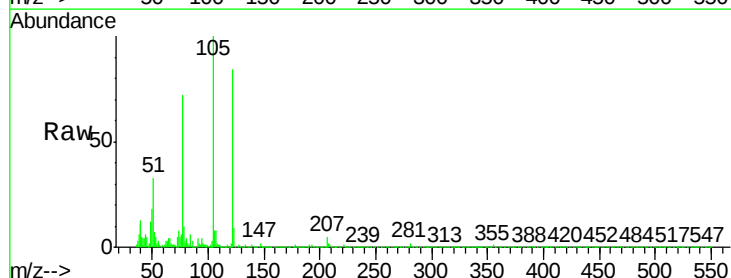
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

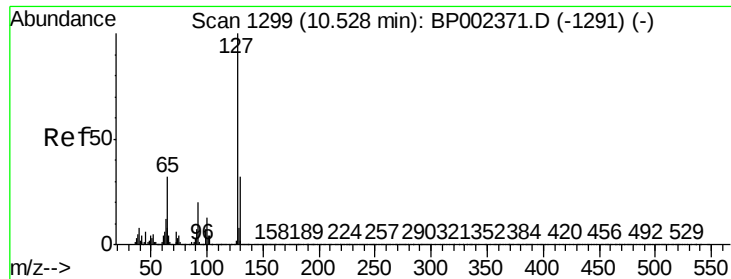
Tot Ion:128 Resp: 277771
Ion Ratio Lower Upper
128 100
129 11.2 8.7 13.1
127 13.1 10.3 15.5



#32
Benzoic acid
Concen: 1.513 ng
RT: 9.64 min Scan# 1148
Delta R.T. -0.08 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:122 Resp: 9463
Ion Ratio Lower Upper
122 100
105 118.5 106.3 146.3
77 85.7 77.5 117.5

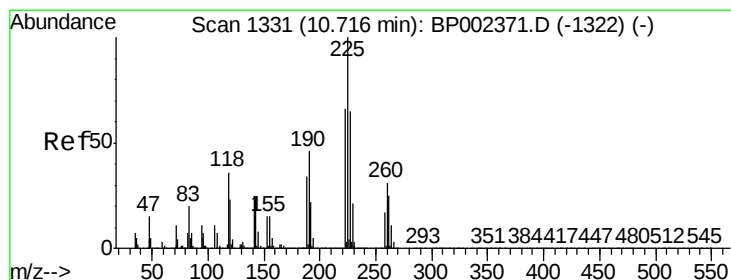
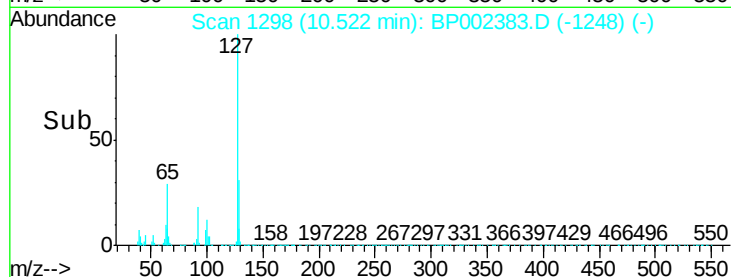
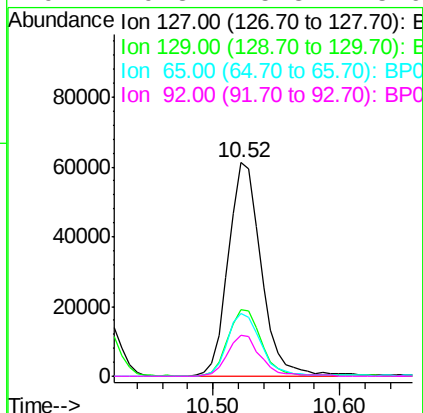
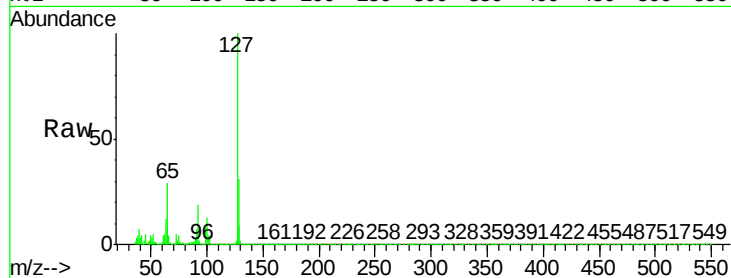




#33
4-Chloroaniline
Concen: 8.281 ng
RT: 10.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

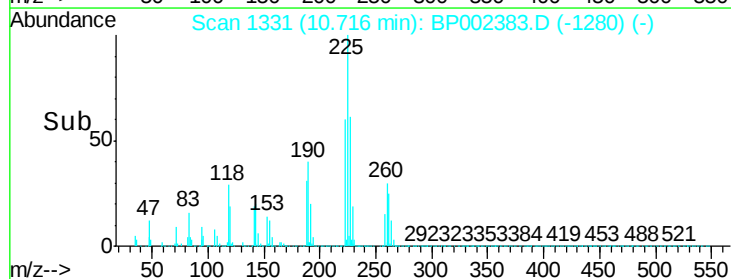
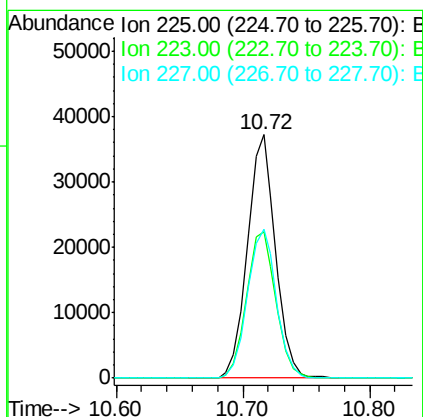
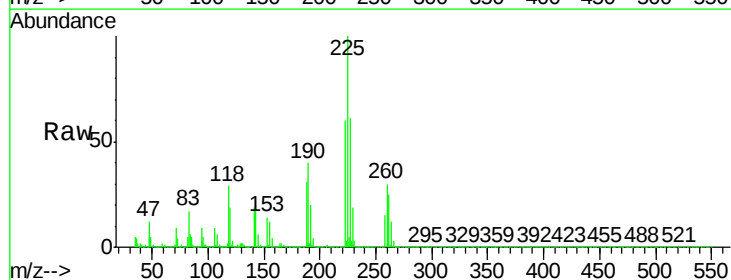
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

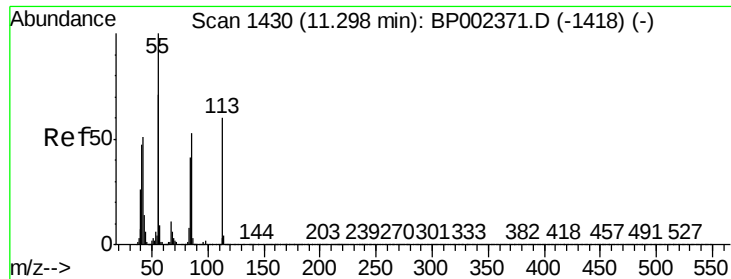
Tot Ion:	127	Resp:	109751
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.4	38.2
65	29.1	25.3	37.9
92	19.3	15.8	23.6



#34
Hexachlorobutadiene
Concen: 9.488 ng
RT: 10.72 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:	225	Resp:	57128
Ion	Ratio	Lower	Upper
225	100		
223	60.2	52.6	78.8
227	61.2	52.2	78.2

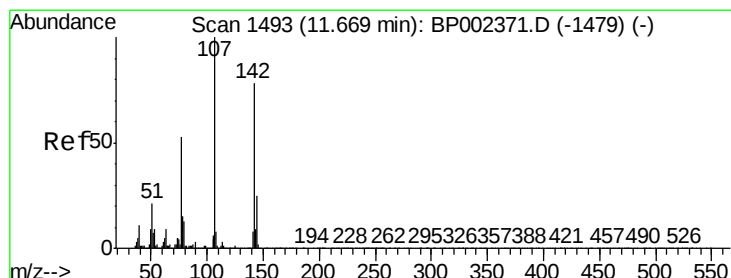
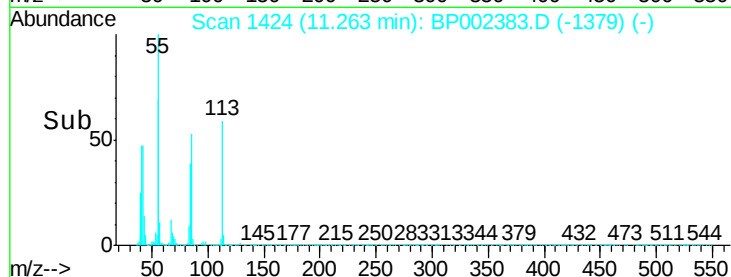
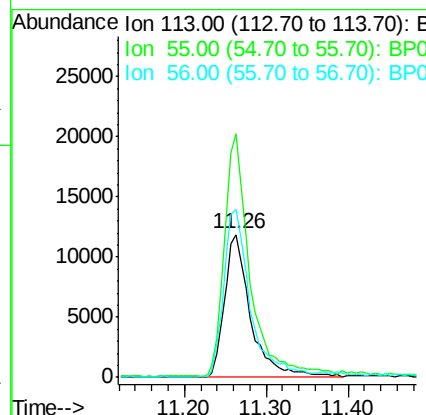
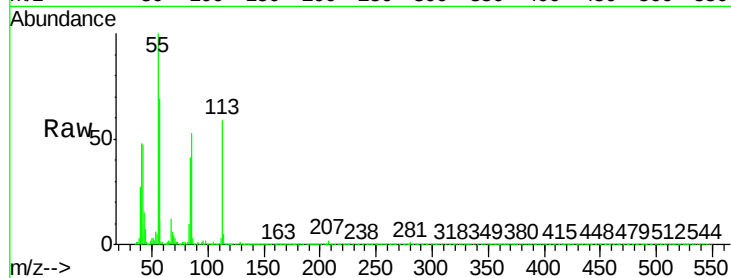




#35
Caprolactam
Concen: 8.117 ng
RT: 11.26 min Scan# 1424
Delta R.T. -0.03 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

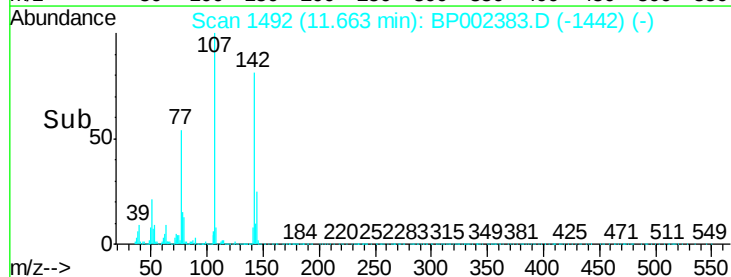
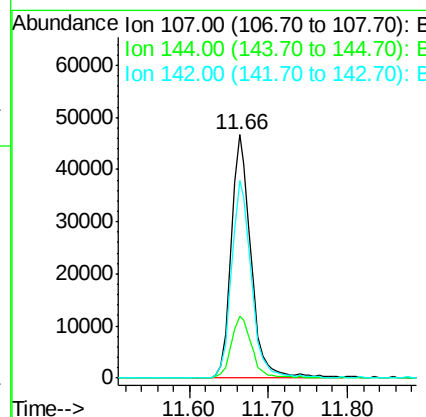
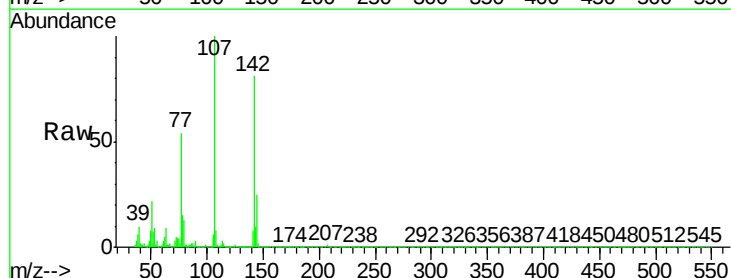
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

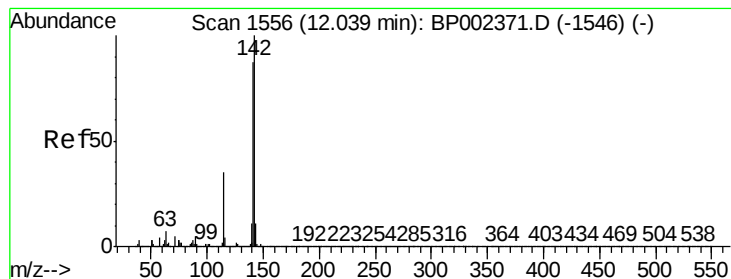
Tot Ion:113 Resp: 26499
Ion Ratio Lower Upper
113 100
55 170.7 147.9 187.9
56 118.3 99.9 139.9



#36
4-Chloro-3-methylphenol
Concen: 8.055 ng
RT: 11.66 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:107 Resp: 80676
Ion Ratio Lower Upper
107 100
144 25.4 20.4 30.6
142 81.3 62.2 93.4





#37

2-Methylnaphthalene

Concen: 9.459 ng

RT: 12.03 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

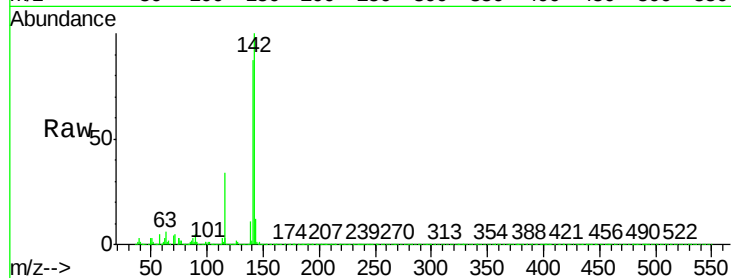
Tot Ion:142 Resp: 203832

Ion Ratio Lower Upper

142 100

141 87.3 69.7 104.5

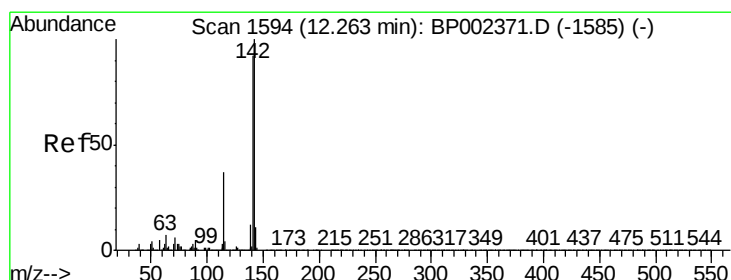
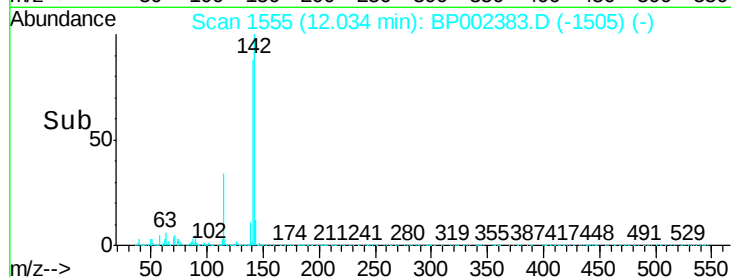
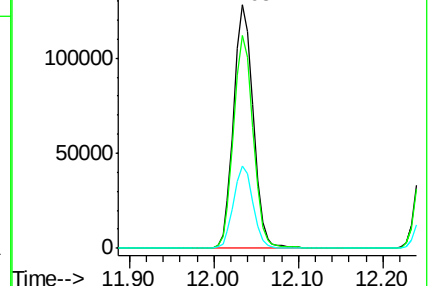
115 33.6 27.8 41.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 9.515 ng

RT: 12.26 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

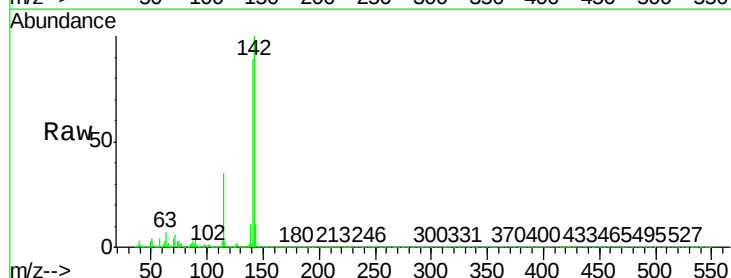
Tgt Ion:142 Resp: 192431

Ion Ratio Lower Upper

142 100

141 89.3 73.6 110.4

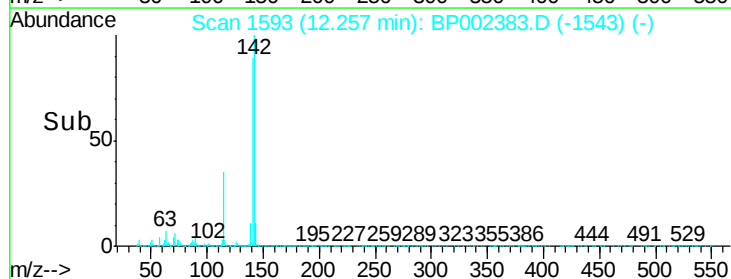
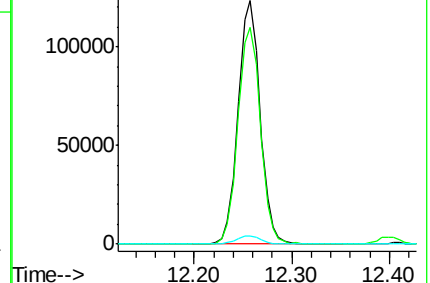
116 3.2 3.1 4.7

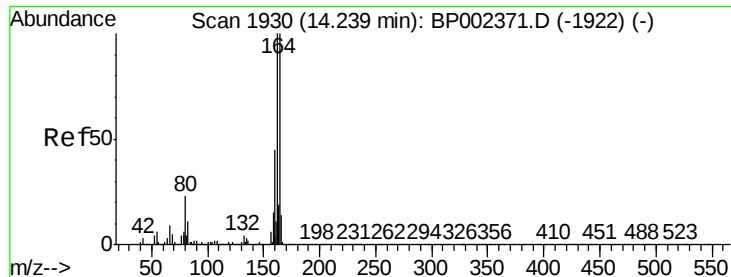


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

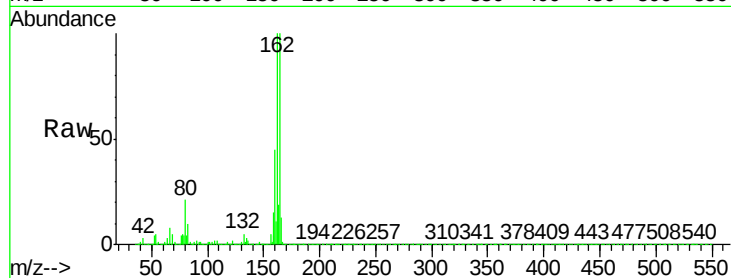
Tot Ion:164 Resp: 427892

Ion Ratio Lower Upper

164 100

162 100.2 79.8 119.8

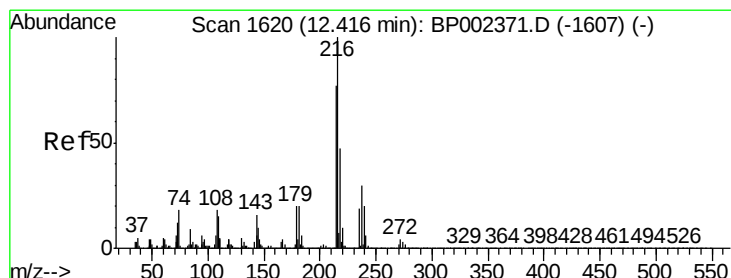
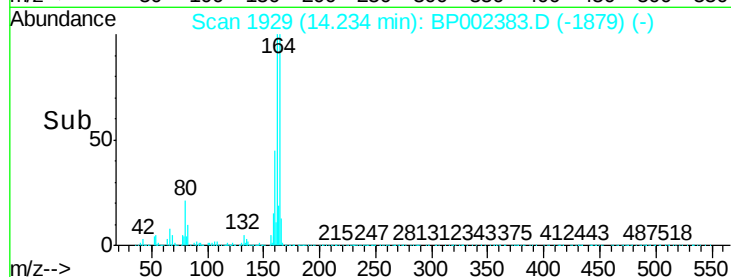
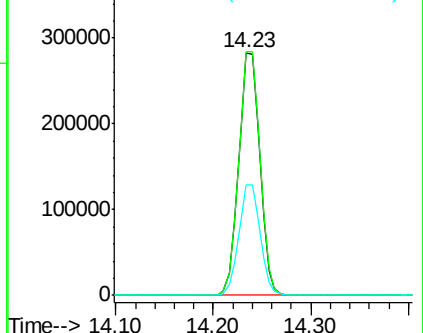
160 45.4 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.178 ng

RT: 12.42 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Tgt Ion:216 Resp: 114804

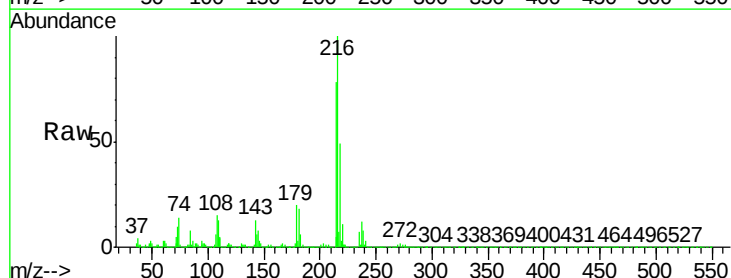
Ion Ratio Lower Upper

216 100

214 79.3 62.6 94.0

179 19.3 16.4 24.6

108 16.9 15.5 23.3

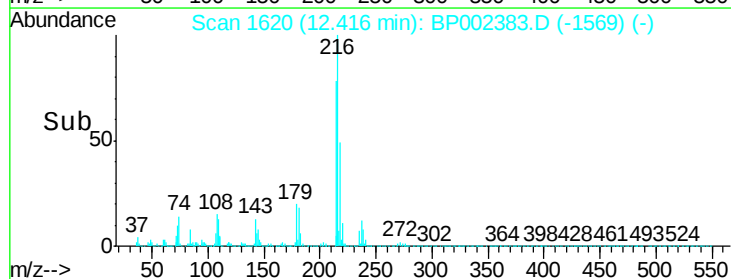
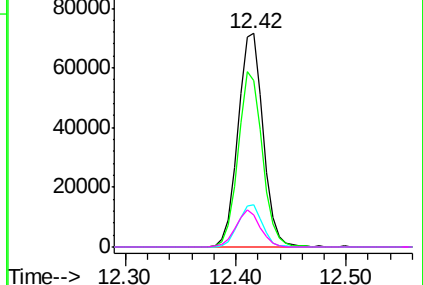


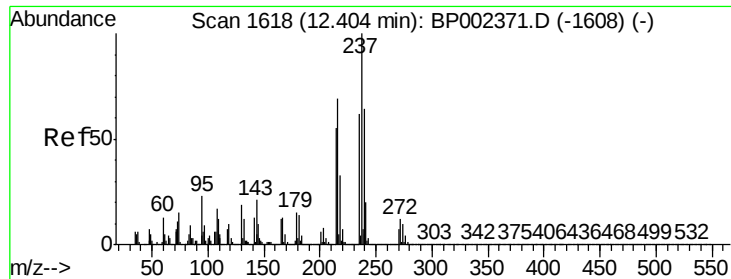
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

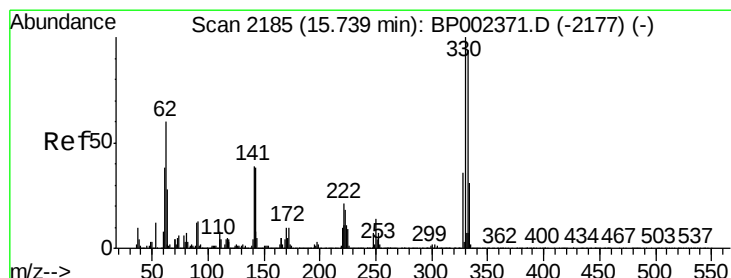
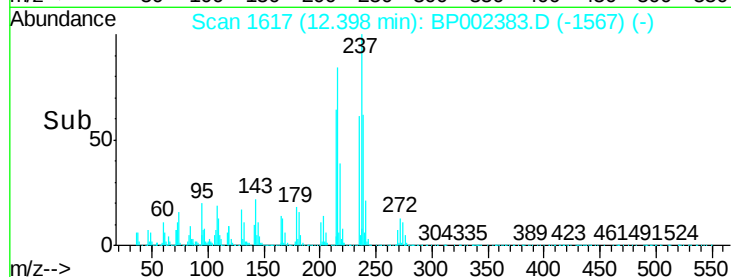
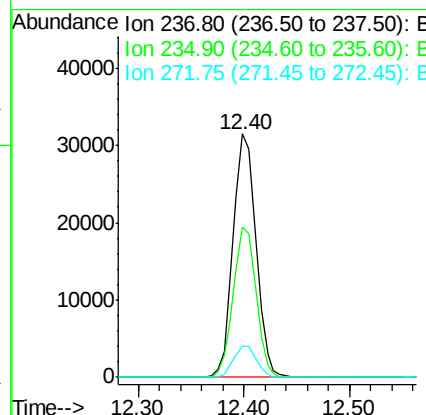
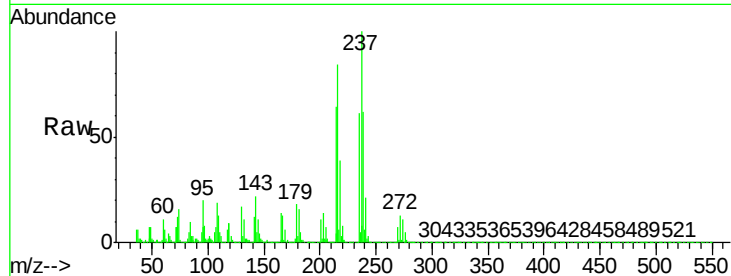




#41
Hexachlorocyclopentadiene
Concen: 7.849 ng
RT: 12.40 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

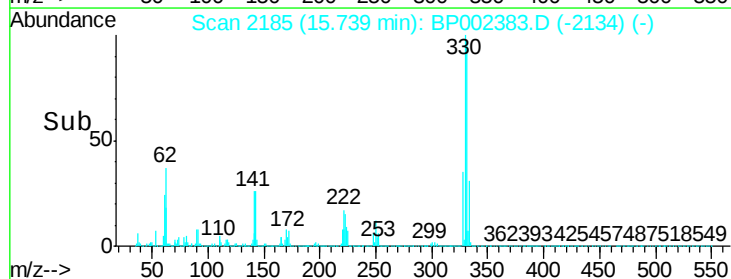
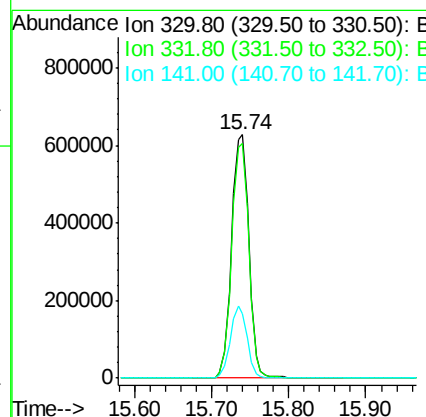
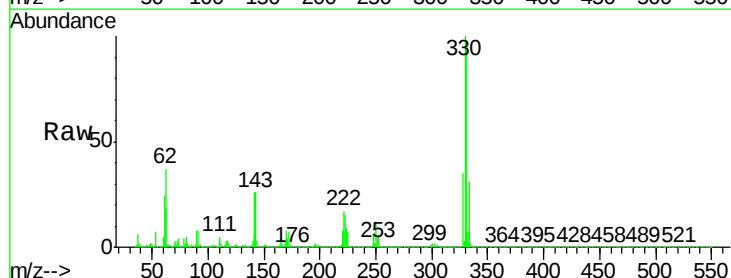
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

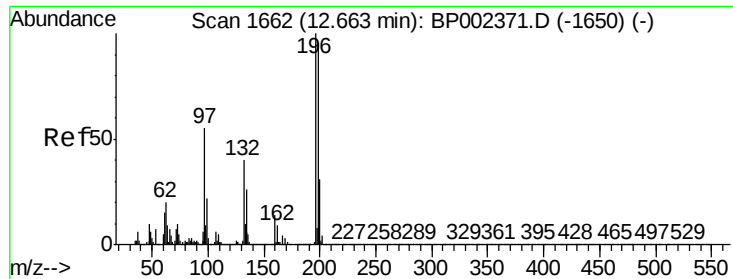
Tot Ion:237 Resp: 47070
Ion Ratio Lower Upper
237 100
235 61.4 42.0 82.0
272 12.6 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 240.729 ng
RT: 15.74 min Scan# 2185
Delta R.T. 0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:330 Resp: 986207
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 28.7 30.3 45.5#

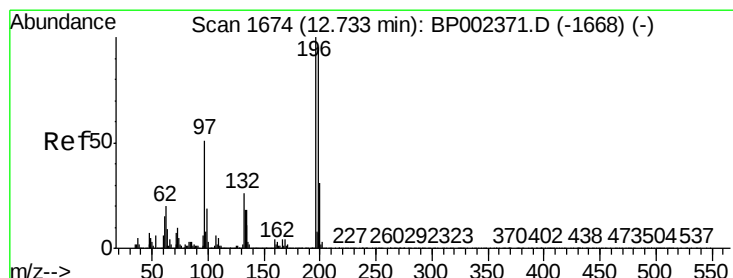
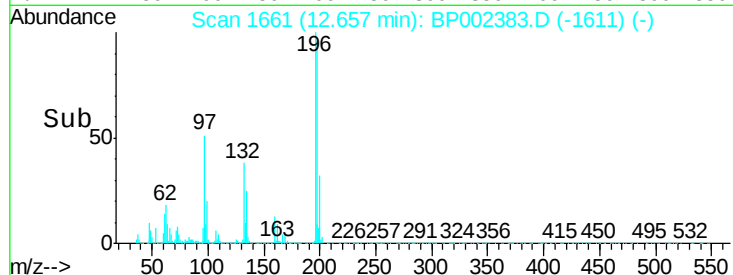
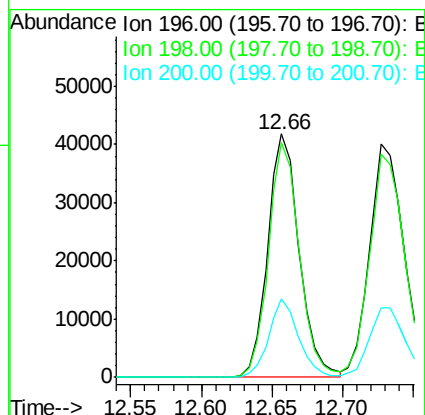
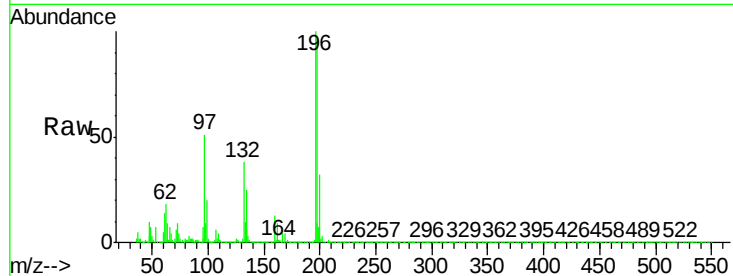




#43
2,4,6-Trichlorophenol
Concen: 8.188 ng
RT: 12.66 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

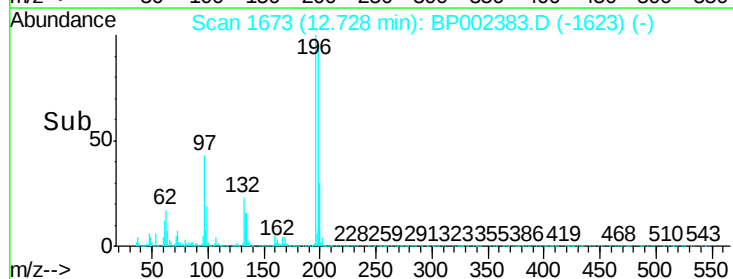
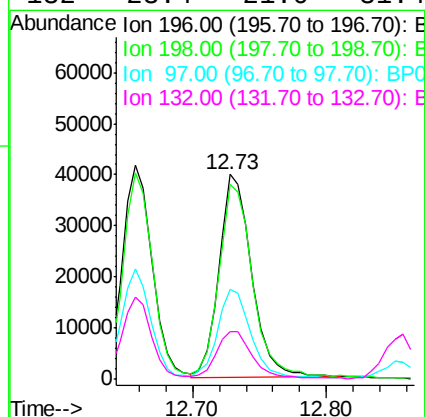
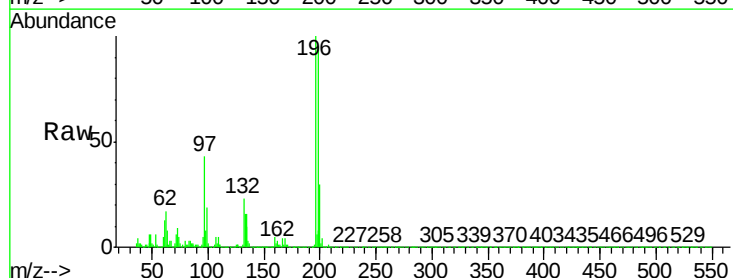
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

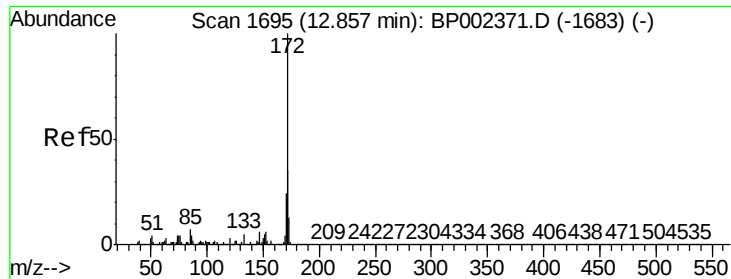
Tot Ion:196 Resp: 65359
Ion Ratio Lower Upper
196 100
198 96.5 76.6 115.0
200 32.0 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 7.410 ng
RT: 12.73 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:196 Resp: 68491
Ion Ratio Lower Upper
196 100
198 95.3 76.2 114.2
97 43.5 40.6 61.0
132 23.4 21.0 31.4

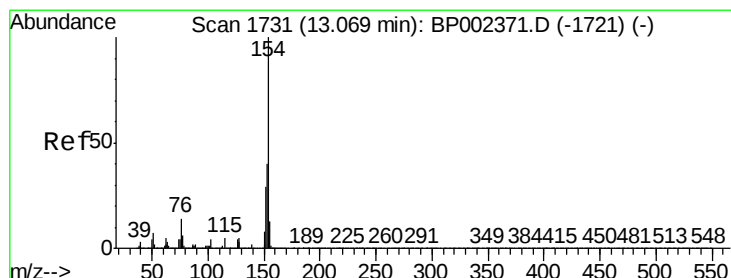
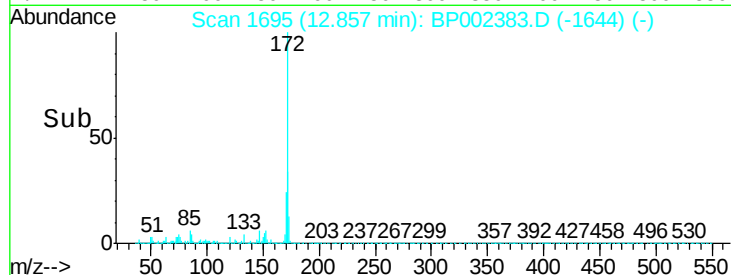
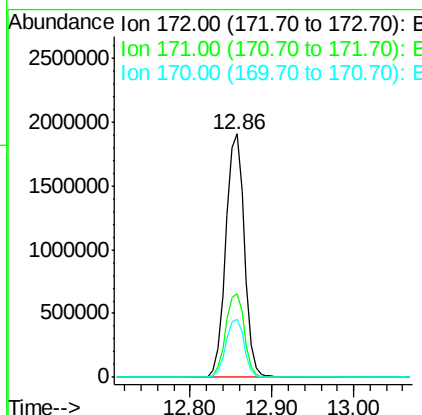
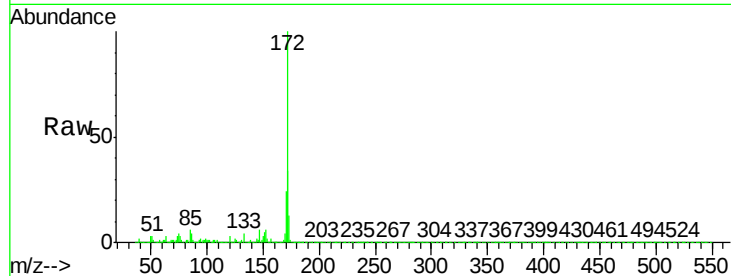




#45
2-Fluorobiphenyl
Concen: 118.247 ng
RT: 12.86 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

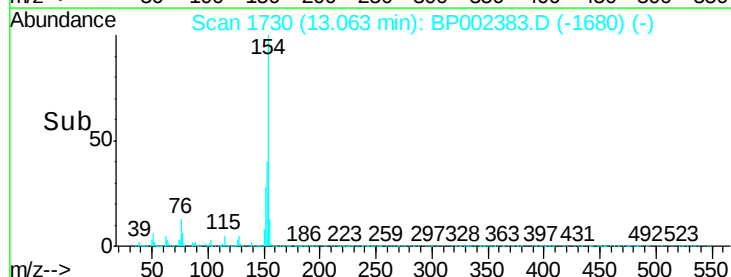
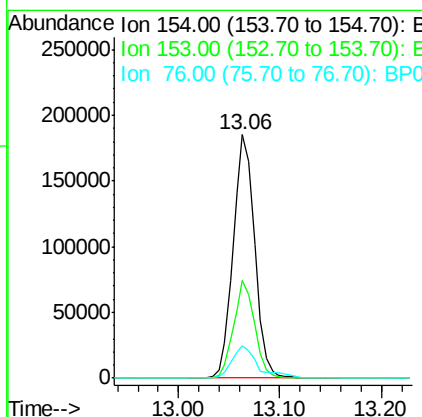
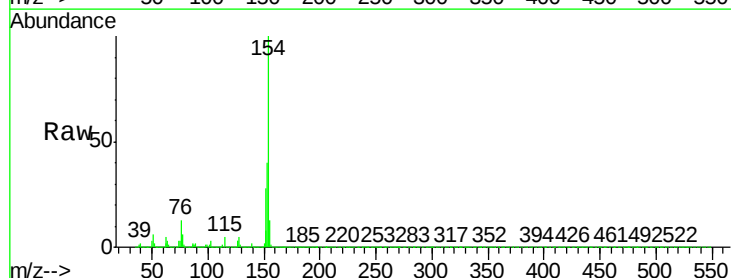
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

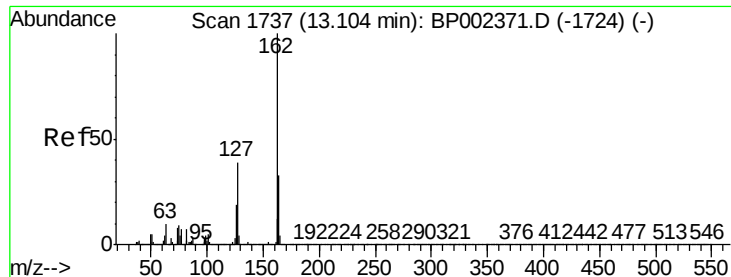
Tot Ion:172 Resp: 3009188
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.8
170 23.9 19.0 28.6



#46
1,1'-Biphenyl
Concen: 9.722 ng
RT: 13.06 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:154 Resp: 272635
Ion Ratio Lower Upper
154 100
153 40.2 20.2 60.2
76 13.1 0.0 34.2

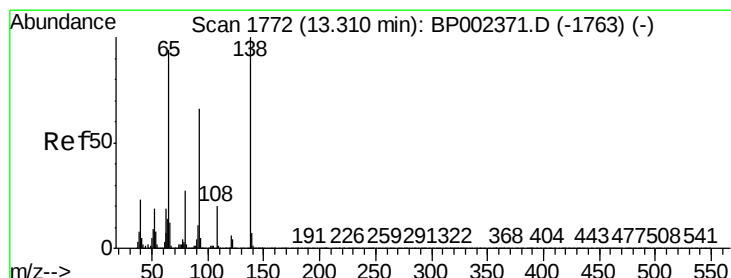
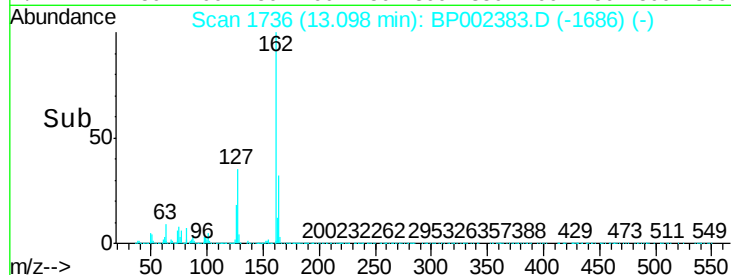
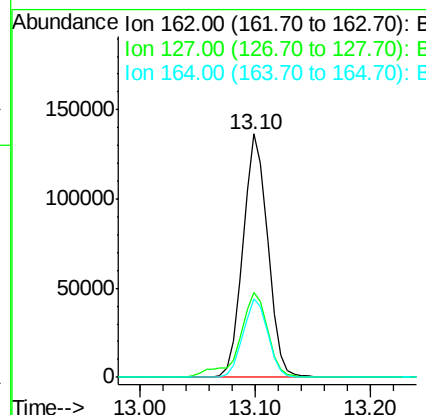
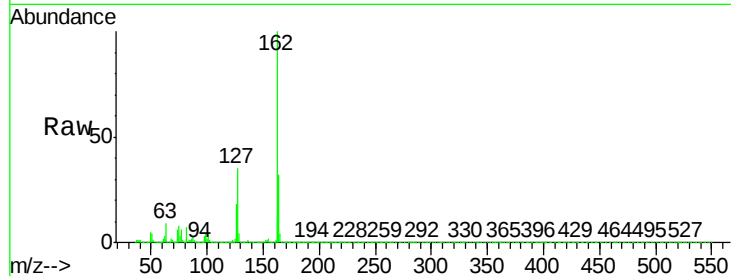




#47
2-Chloronaphthalene
Concen: 8.834 ng
RT: 13.10 min Scan# 1736
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

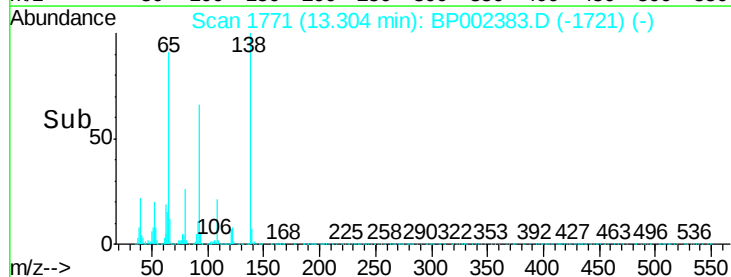
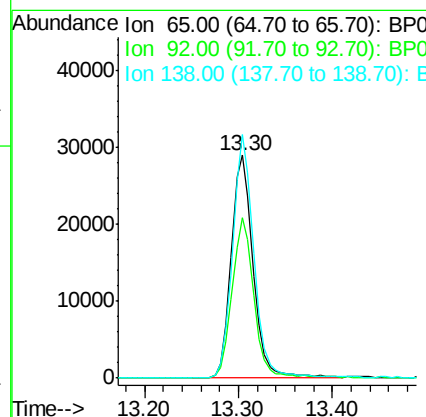
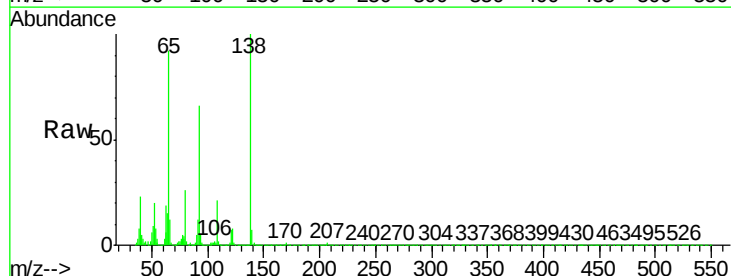
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

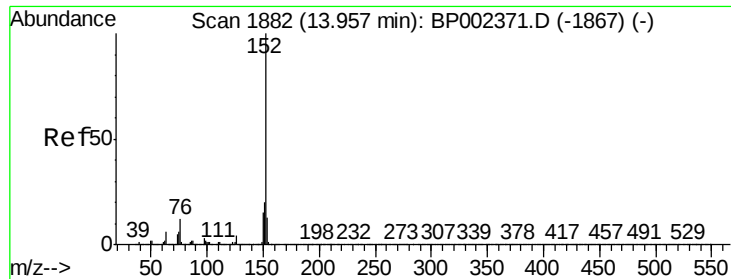
Tot Ion	Ratio	Lower	Upper
162	100		
127	34.9	31.0	46.4
164	32.3	26.6	40.0



#48
2-Nitroaniline
Concen: 6.404 ng
RT: 13.30 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.0	56.3	84.5
138	109.1	85.0	127.6





#49

Acenaphthylene

Concen: 8.774 ng

RT: 13.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

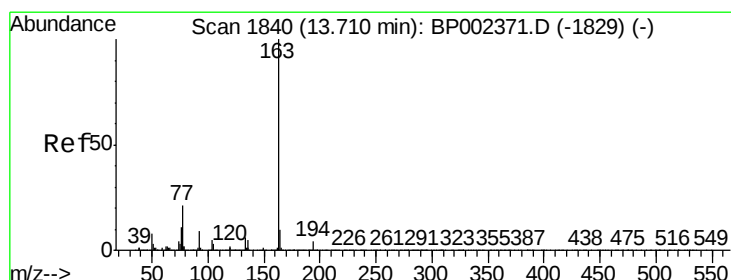
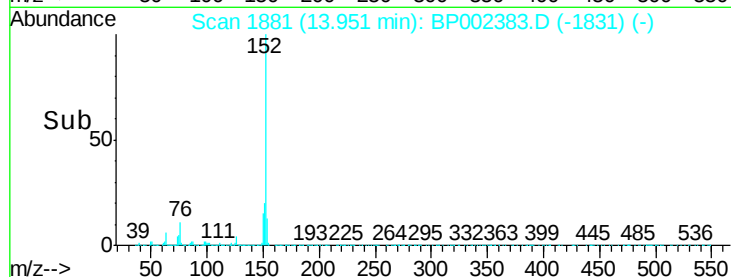
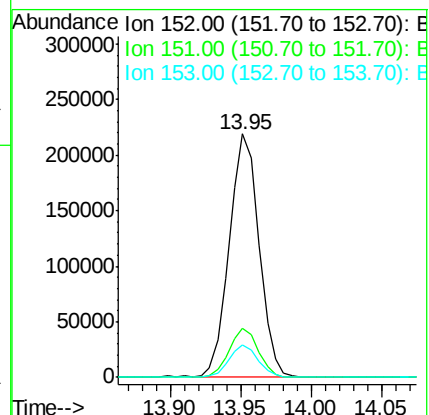
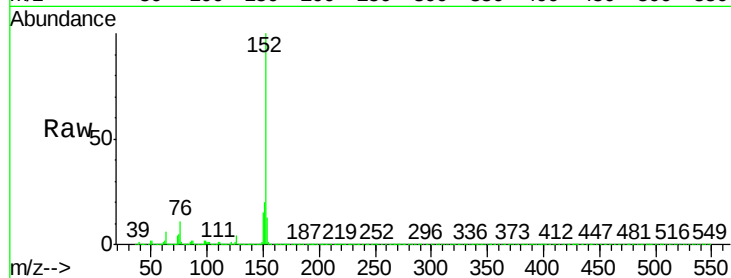
Tot Ion:152 Resp: 321249

Ion Ratio Lower Upper

152 100

151 20.1 15.7 23.5

153 13.3 10.5 15.7



#50

Dimethylphthalate

Concen: 8.786 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

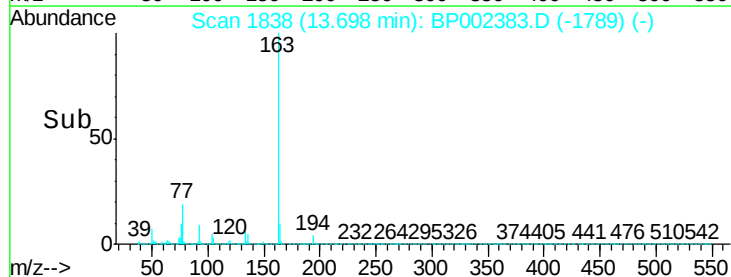
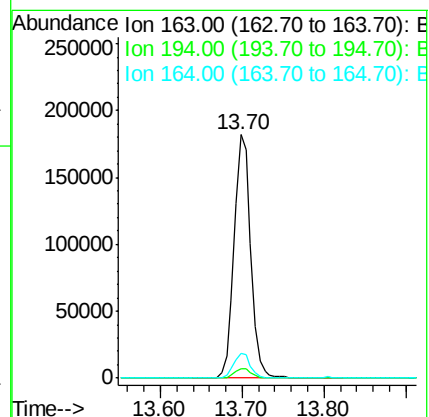
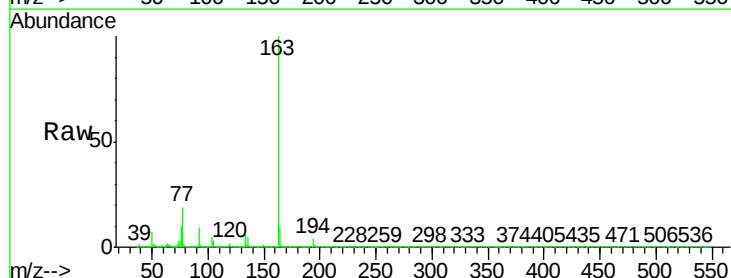
Tgt Ion:163 Resp: 257588

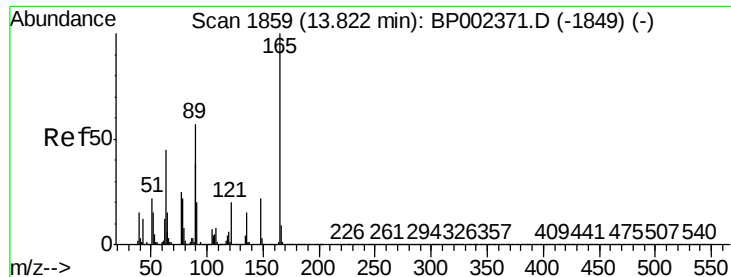
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.1 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 7.879 ng

RT: 13.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

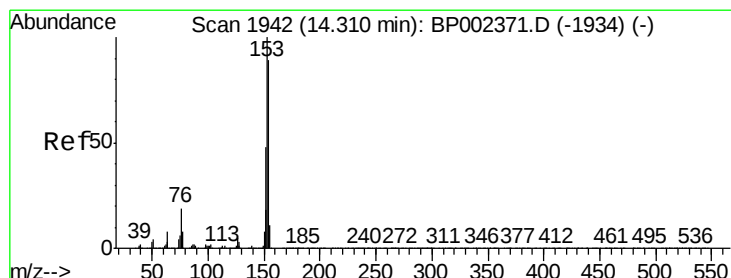
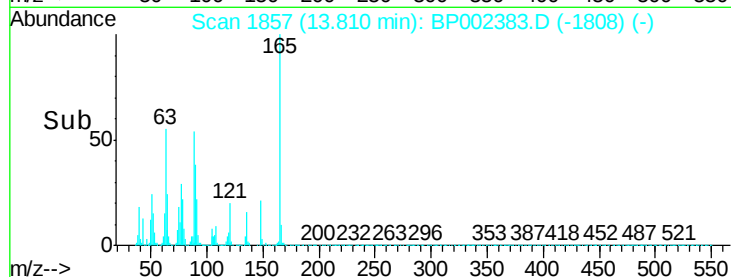
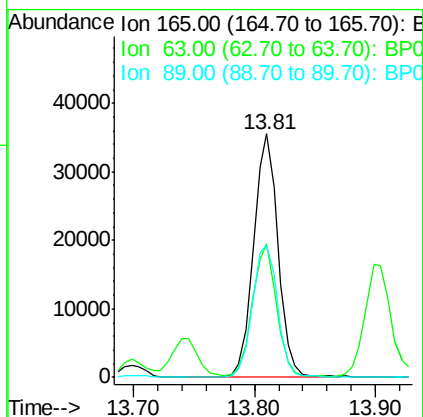
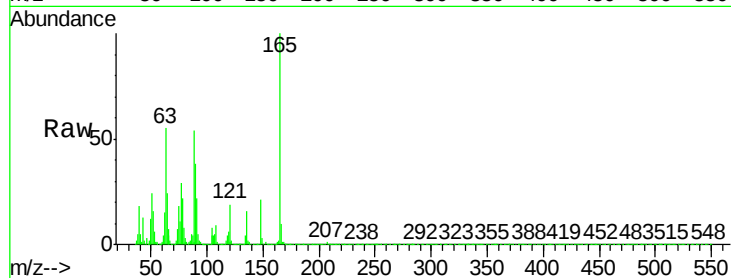
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:165	Resp:	50169
Ion Ratio	Lower	Upper
165	100	
63	54.8	43.1 64.7
89	54.5	45.3 67.9



#52

Acenaphthene

Concen: 8.957 ng

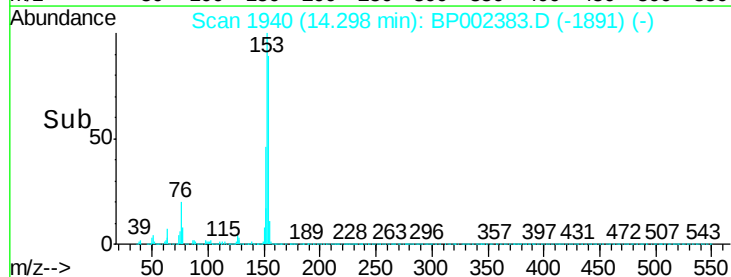
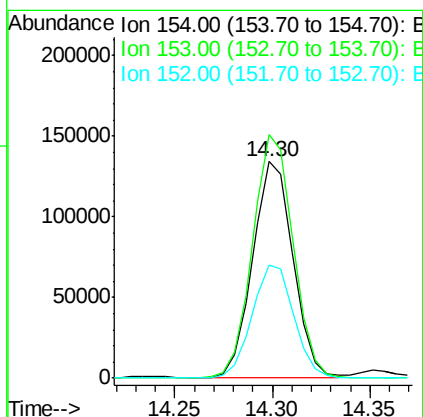
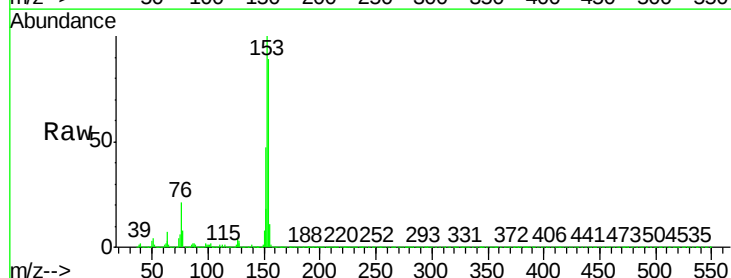
RT: 14.30 min Scan# 1940

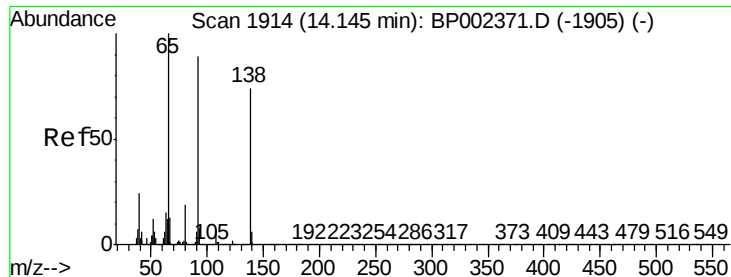
Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Tgt Ion:154	Resp:	192110
Ion Ratio	Lower	Upper
154	100	
153	112.5	89.5 134.3
152	52.5	43.3 64.9

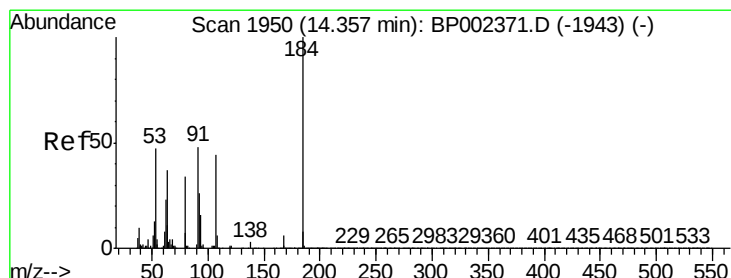
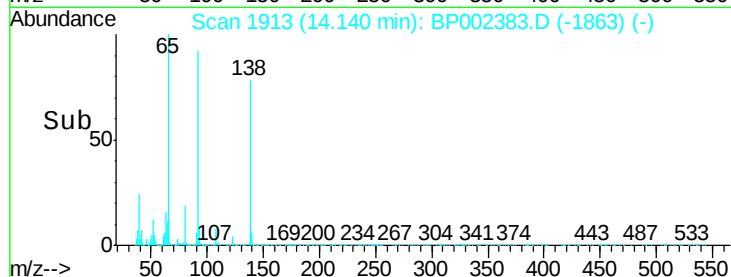
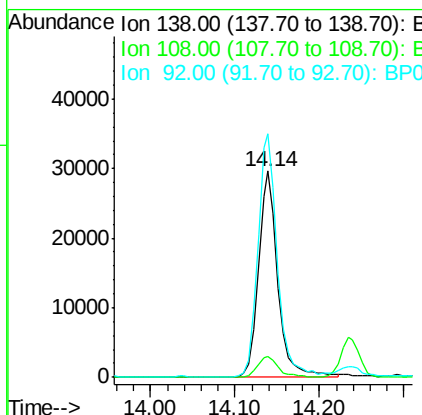
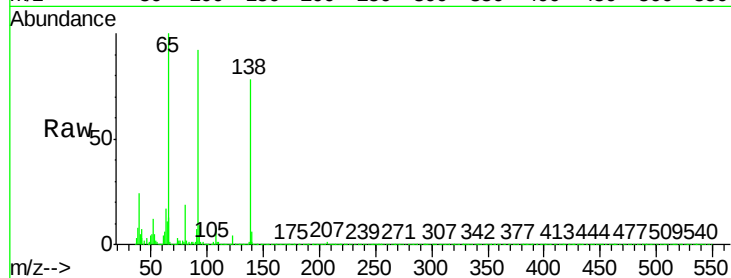




#53
3-Nitroaniline
Concen: 6.567 ng
RT: 14.14 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

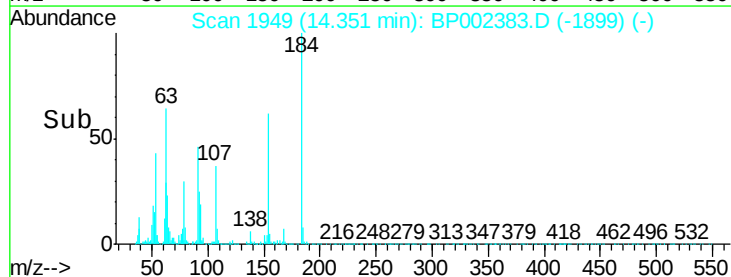
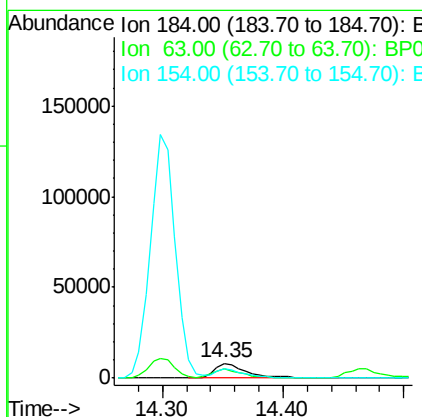
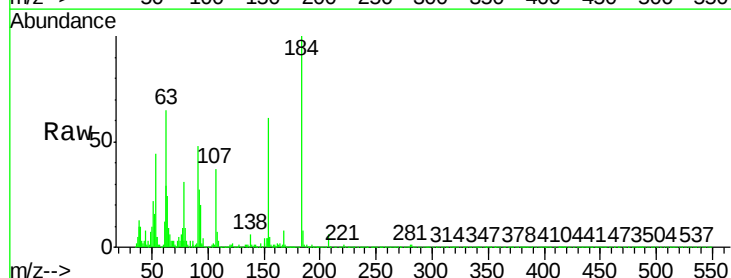
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

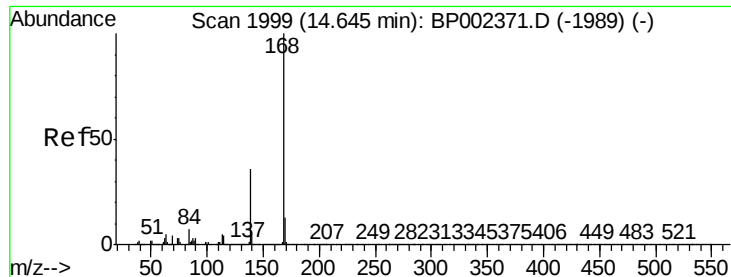
Tot Ion:138 Resp: 47748
Ion Ratio Lower Upper
138 100
108 10.4 8.0 12.0
92 118.0 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 4.332 ng
RT: 14.35 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:184 Resp: 15127
Ion Ratio Lower Upper
184 100
63 65.2 52.3 78.5
154 61.5 48.6 72.8





#55

Dibenzenofuran

Concen: 9.322 ng

RT: 14.64 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

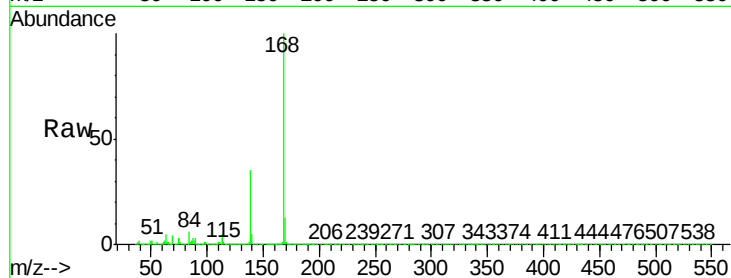
Tot Ion:168 Resp: 321915

Ion	Ratio	Lower	Upper
168	100		
139	34.9	28.9	43.3
169	13.1	10.6	15.8

168 100

139 34.9 28.9 43.3

169 13.1 10.6 15.8

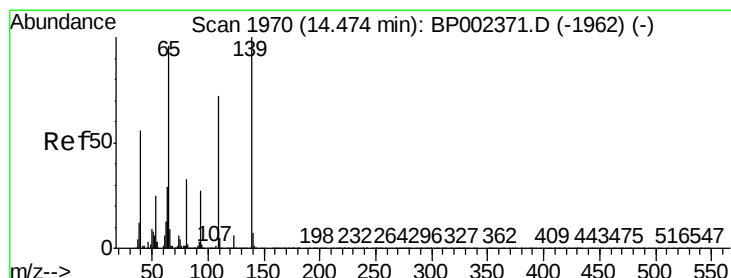
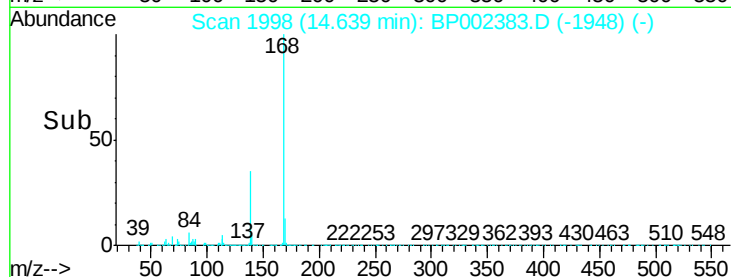
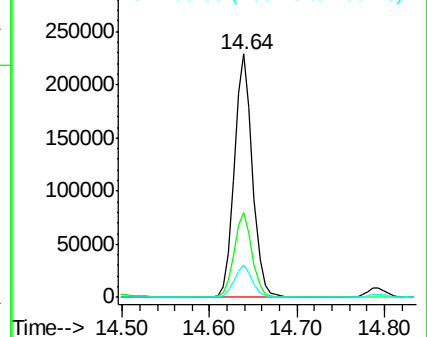


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 6.061 ng

RT: 14.46 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

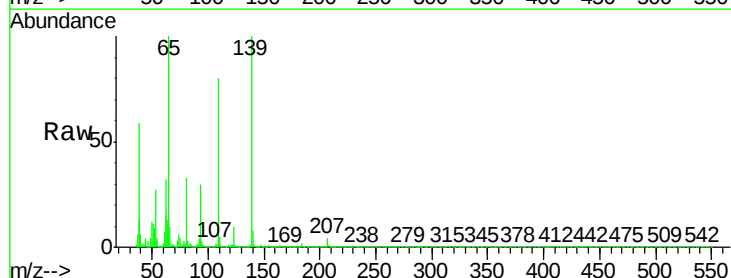
Tgt Ion:139 Resp: 34987

Ion	Ratio	Lower	Upper
139	100		
109	80.3	52.0	92.0
65	100.0	76.3	116.3

139 100

109 80.3 52.0 92.0

65 100.0 76.3 116.3

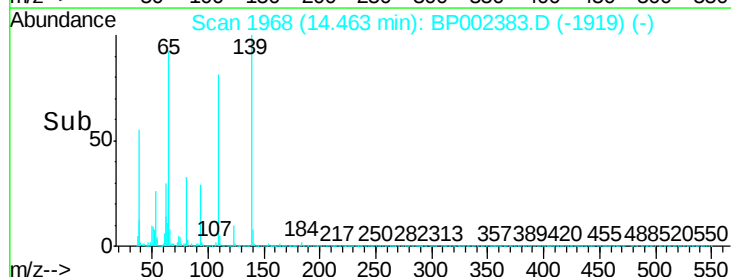
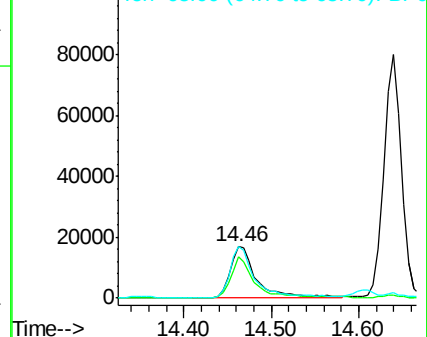


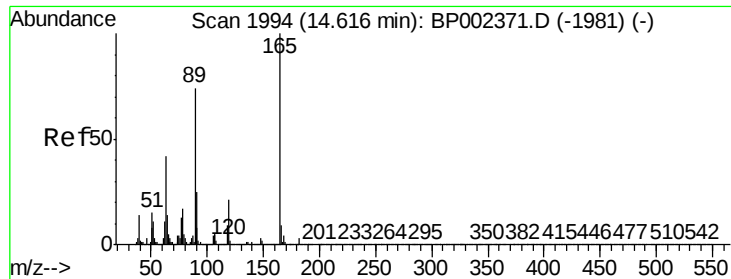
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BP0

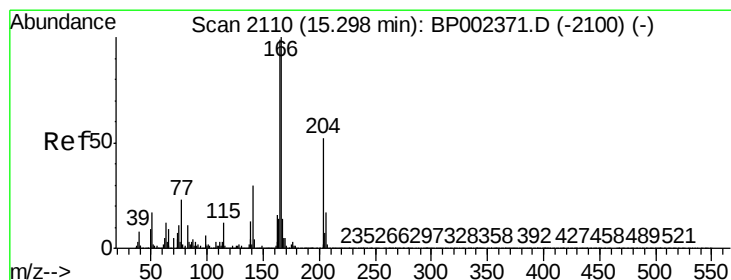
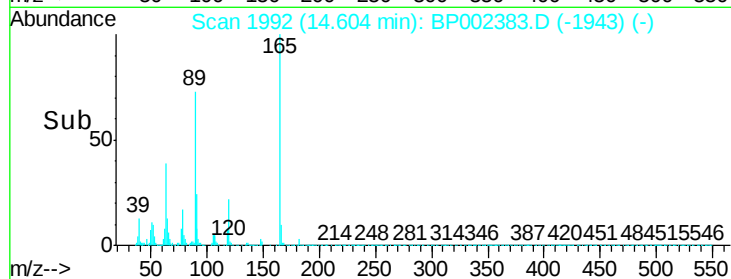
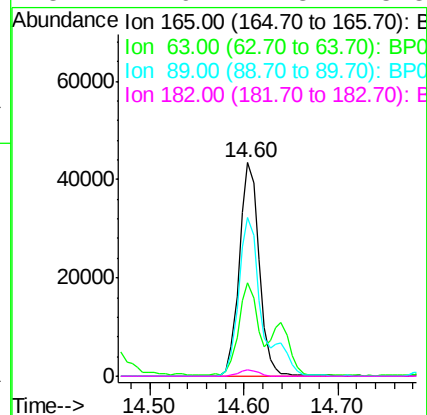
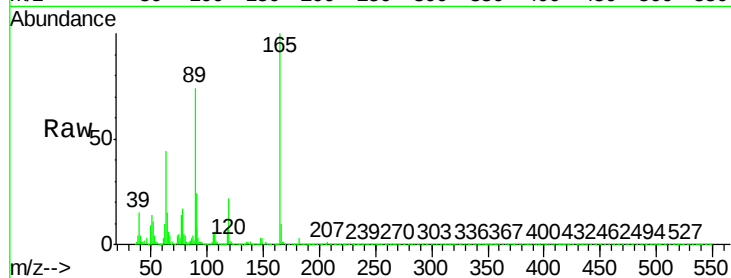




#57
2,4-Dinitrotoluene
Concen: 7.387 ng
RT: 14.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

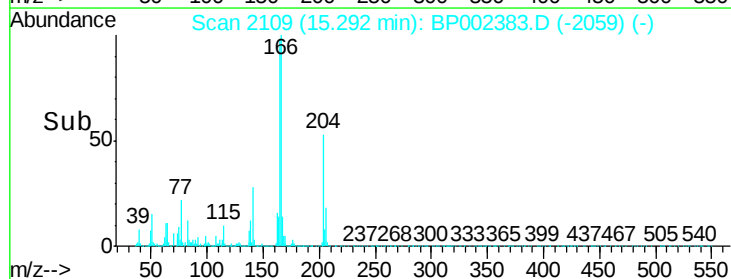
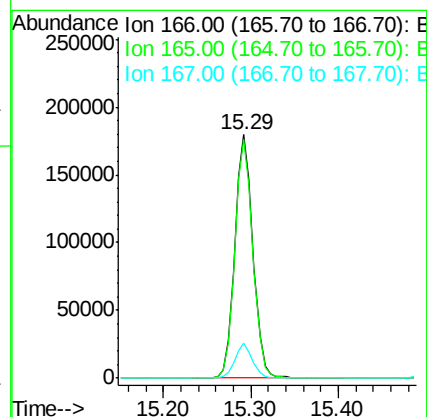
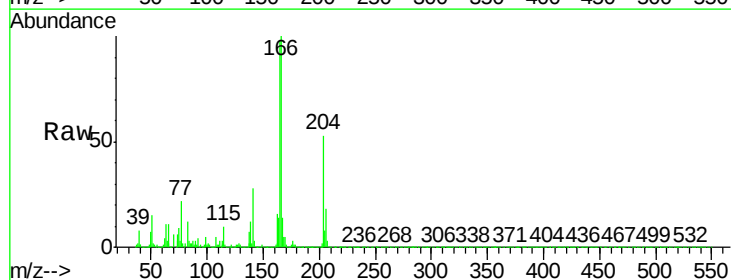
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

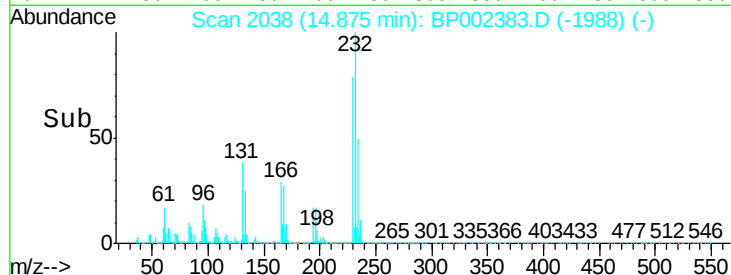
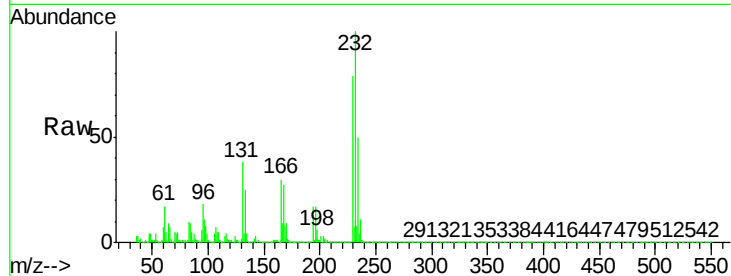
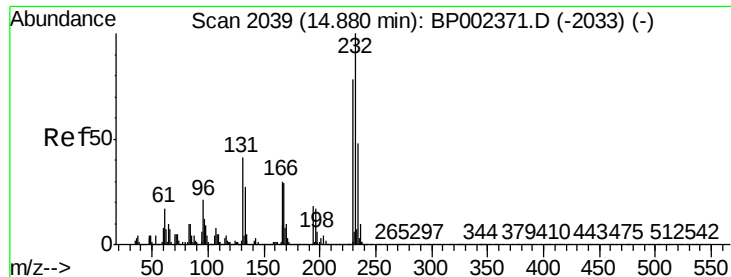
Tot Ion:165	Resp: 64019
Ion Ratio	Lower Upper
165 100	
63 44.0	34.2 51.2
89 74.1	59.3 88.9
182 2.9	2.3 3.5



#58
Fluorene
Concen: 9.292 ng
RT: 15.29 min Scan# 2109
Delta R.T. -0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt	Ion:166	Resp:	252372
Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.1	118.7
167	14.2	11.0	16.4

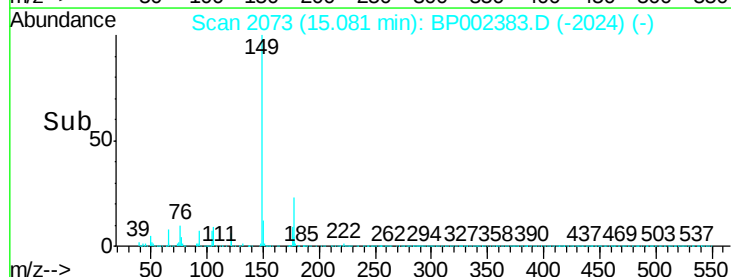
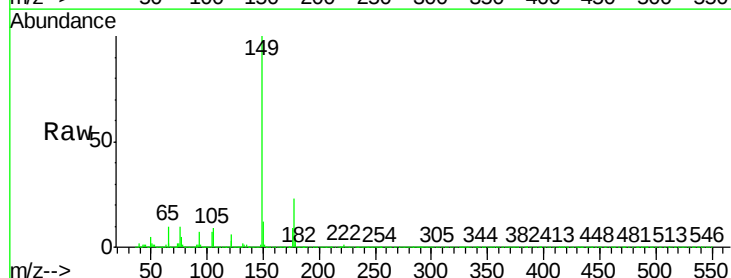
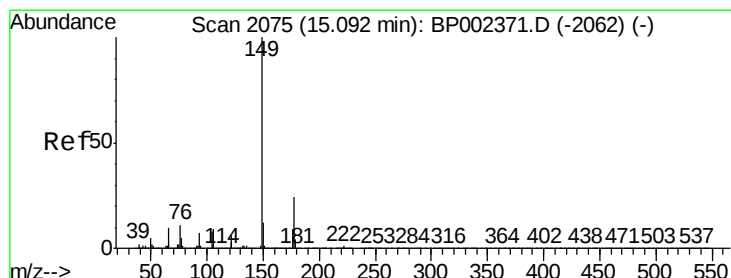
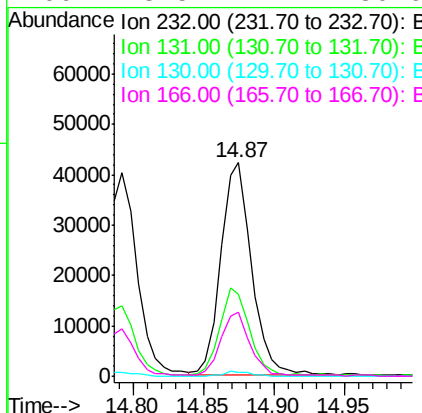




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.681 ng
RT: 14.87 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

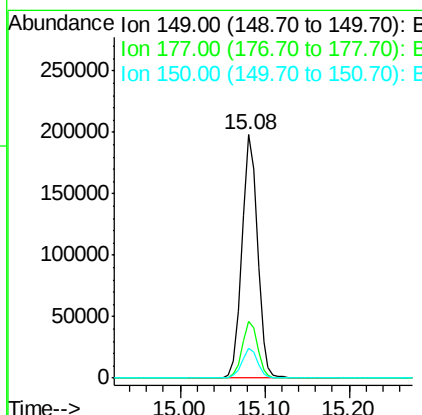
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

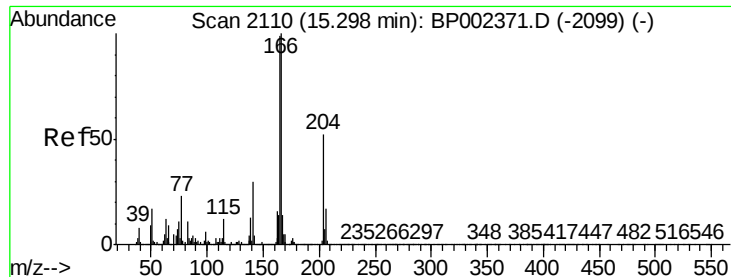
Tot Ion:232	Resp: 63696
Ion Ratio	Lower Upper
232 100	
131 39.8	35.1 52.7
130 2.3	1.8 2.8
166 28.5	24.4 36.6



#60
Diethylphthalate
Concen: 8.514 ng
RT: 15.08 min Scan# 2073
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:149	Resp: 250125
Ion Ratio	Lower Upper
149 100	
177 23.1	18.9 28.3
150 12.4	9.9 14.9

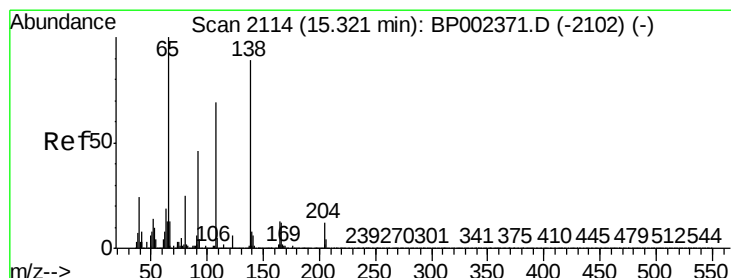
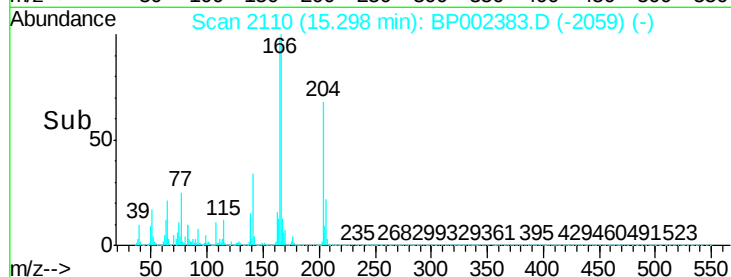
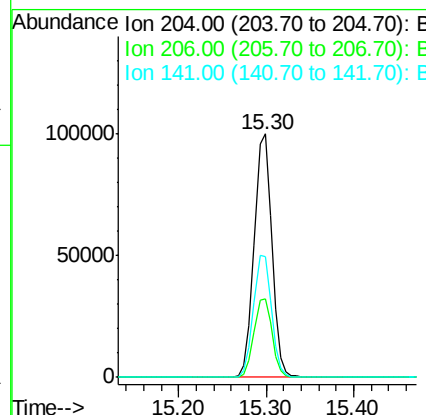
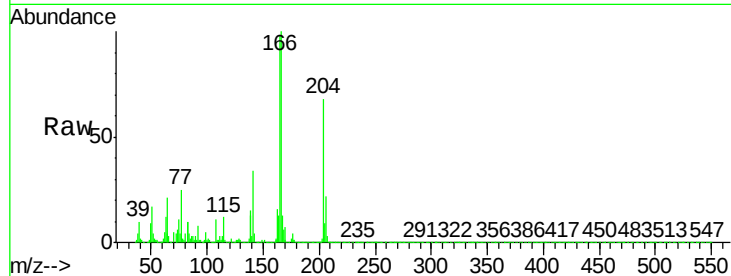




#61
4-Chlorophenyl-phenylether
Concen: 10.292 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

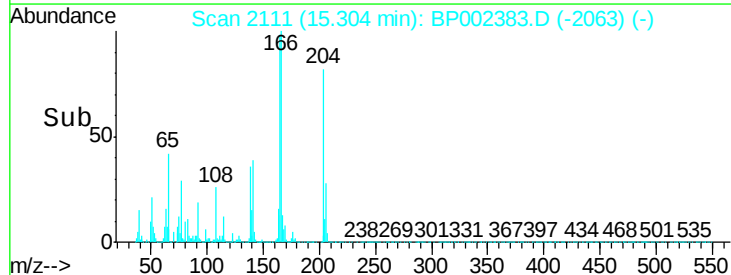
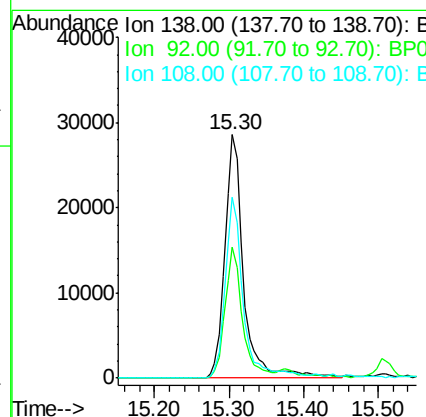
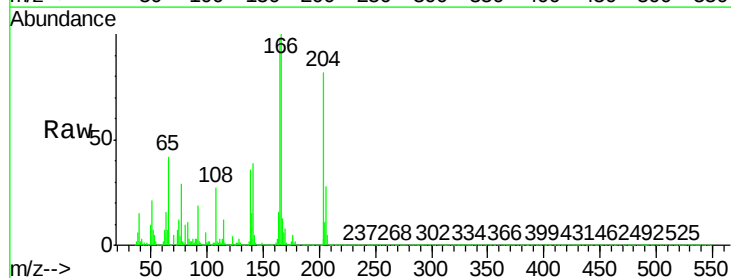
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

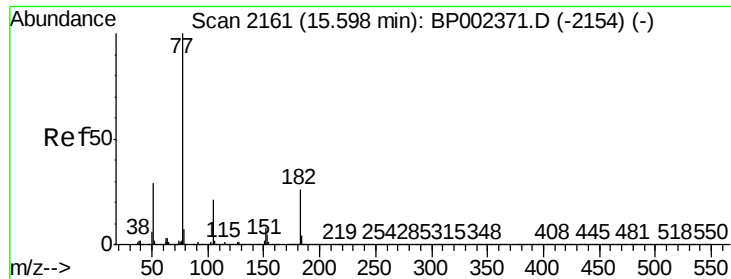
Tot Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.8	40.2
141	49.5	46.6	69.8



#62
4-Nitroaniline
Concen: 7.123 ng
RT: 15.30 min Scan# 2111
Delta R.T. -0.02 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.6	31.7	71.7
108	74.5	57.5	97.5

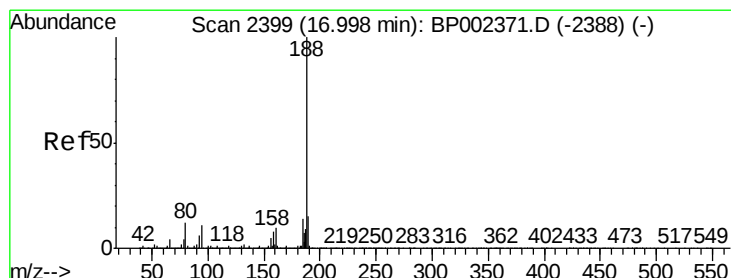
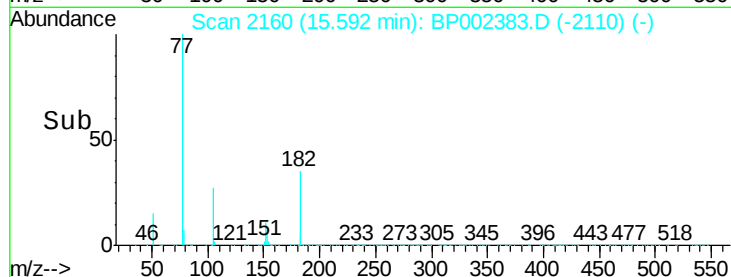
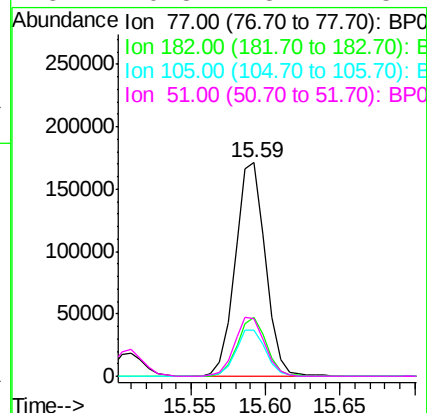
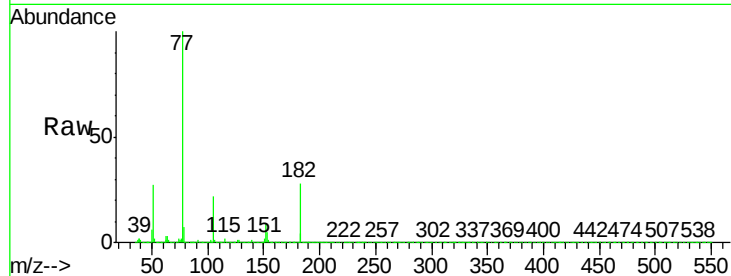




#63
Azobenzene
Concen: 8.207 ng
RT: 15.59 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

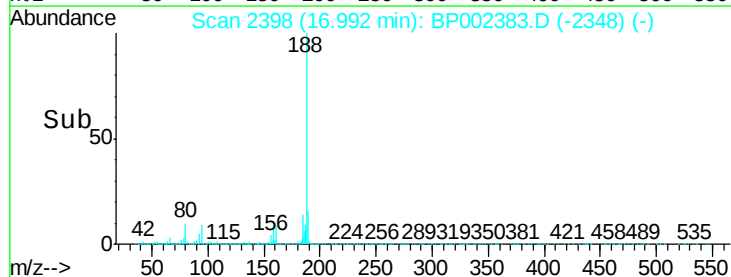
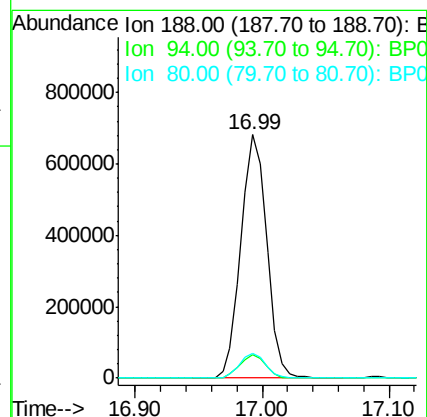
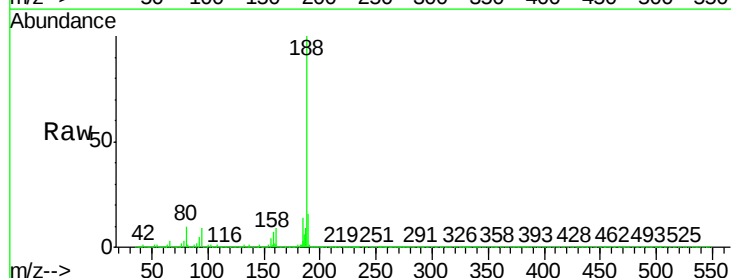
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

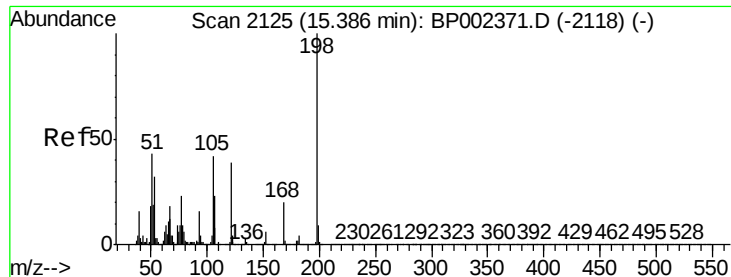
Tot Ion:	77	Resp:	239988
Ion	Ratio	Lower	Upper
77	100		
182	27.7	6.0	46.0
105	21.7	1.3	41.3
51	26.8	8.7	48.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:	188	Resp:	963269
Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.0	9.4	14.0





#65

4,6-Dinitro-2-methylphenol

Concen: 6.110 ng

RT: 15.37 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

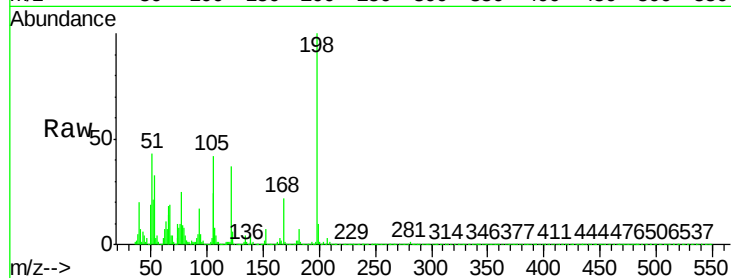
Tot Ion:198 Resp: 31056

Ion Ratio Lower Upper

198 100

51 42.9 23.4 63.4

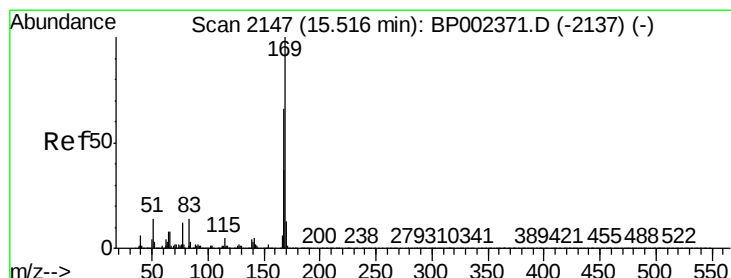
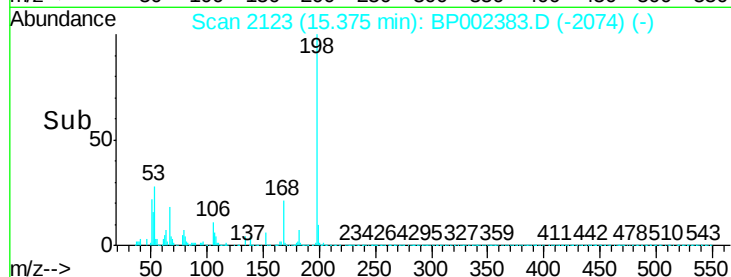
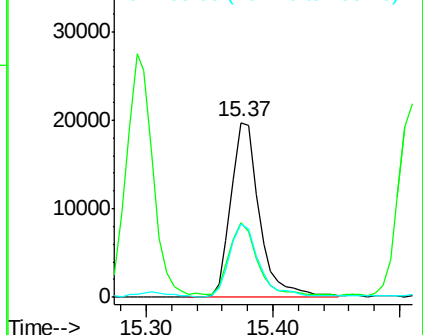
105 42.3 22.5 62.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BPO

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 9.105 ng

RT: 15.51 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

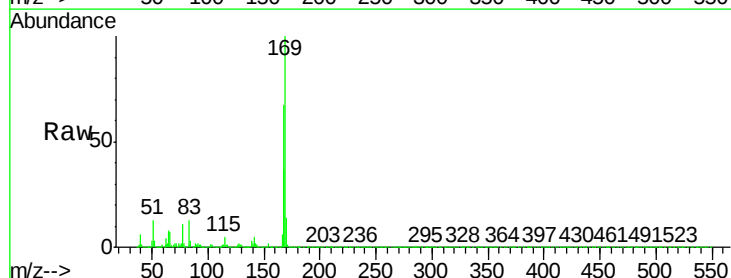
Tgt Ion:169 Resp: 224051

Ion Ratio Lower Upper

169 100

168 66.9 52.8 79.2

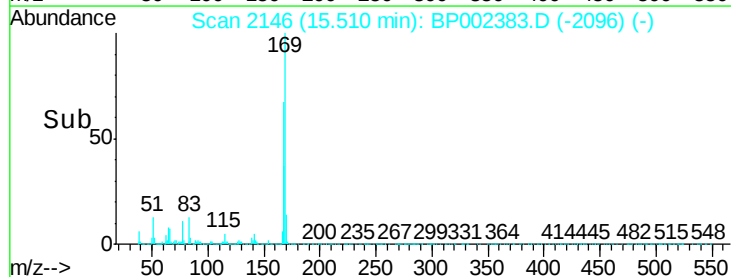
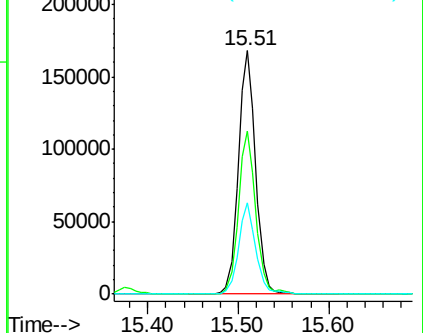
167 37.4 29.4 44.0

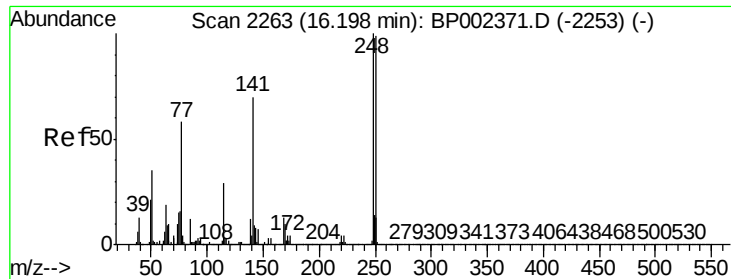


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

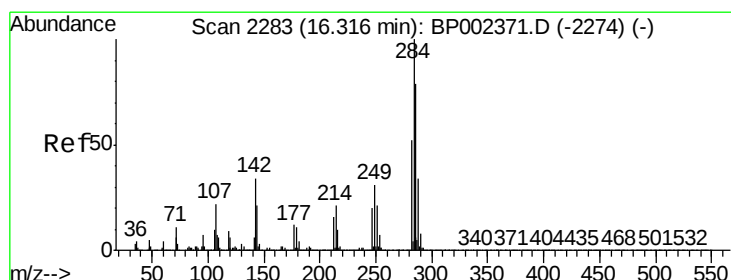
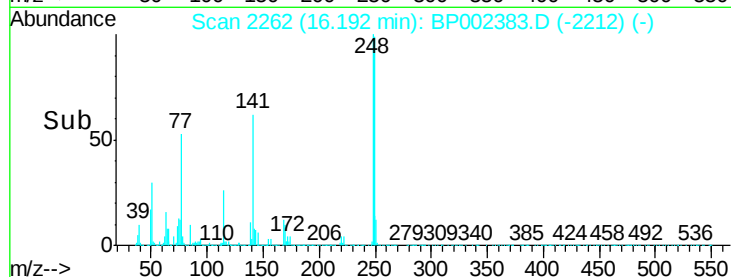
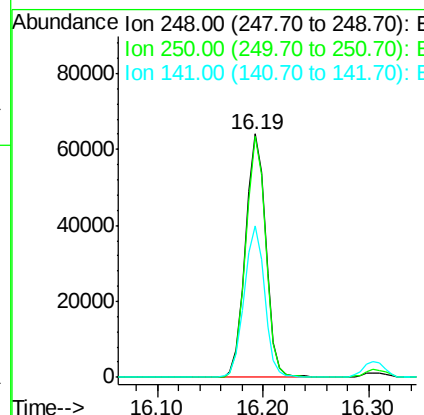
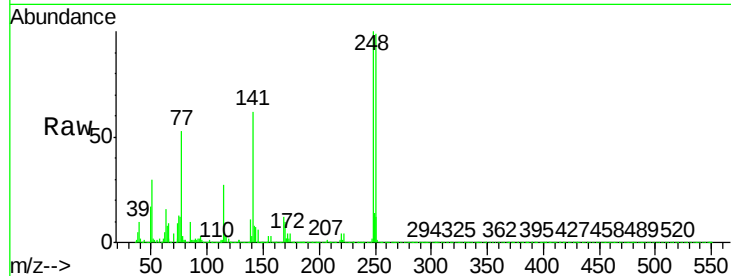




#67
4-Bromophenyl-phenylether
Concen: 9.300 ng
RT: 16.19 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

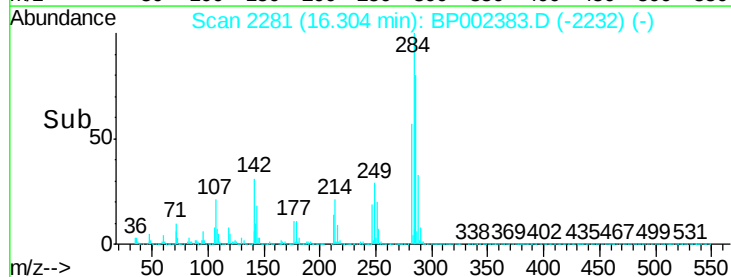
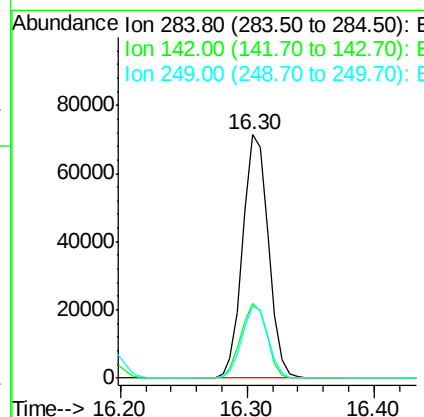
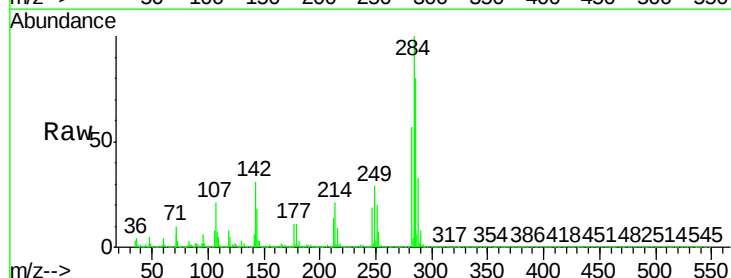
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

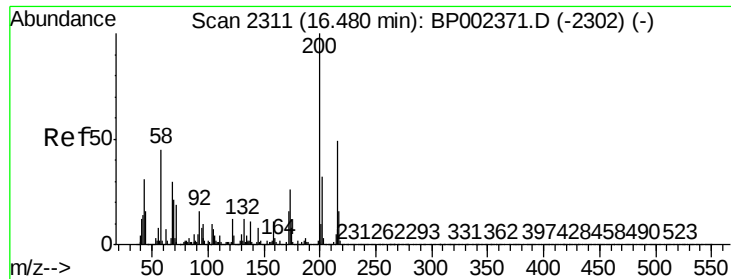
Tot Ion:248 Resp: 84863
Ion Ratio Lower Upper
248 100
250 98.8 79.3 118.9
141 62.3 55.7 83.5



#68
Hexachlorobenzene
Concen: 10.312 ng
RT: 16.30 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:284 Resp: 99852
Ion Ratio Lower Upper
284 100
142 30.6 27.4 41.0
249 29.4 24.9 37.3





#69

Atrazine

Concen: 10.379 ng

RT: 16.47 min Scan# 2309

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

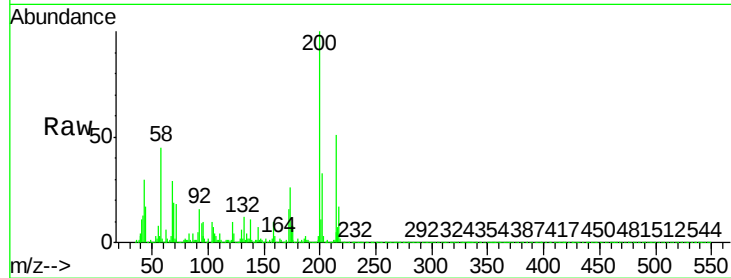
Tot Ion:200 Resp: 83317

Ion Ratio Lower Upper

200 100

173 26.0 6.4 46.4

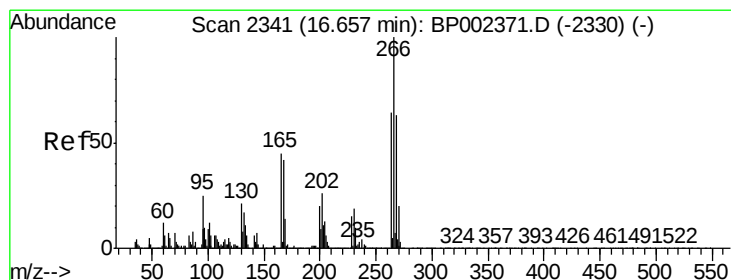
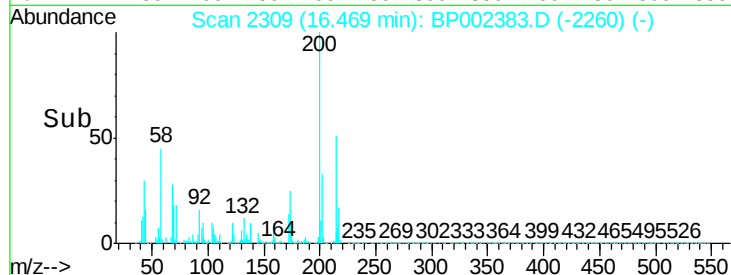
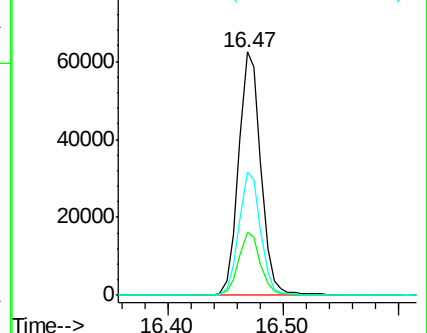
215 50.6 29.3 69.3



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 6.826 ng

RT: 16.65 min Scan# 2340

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

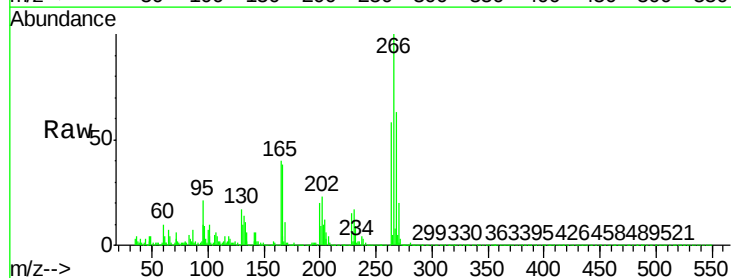
Tgt Ion:266 Resp: 39547

Ion Ratio Lower Upper

266 100

268 63.3 50.5 75.7

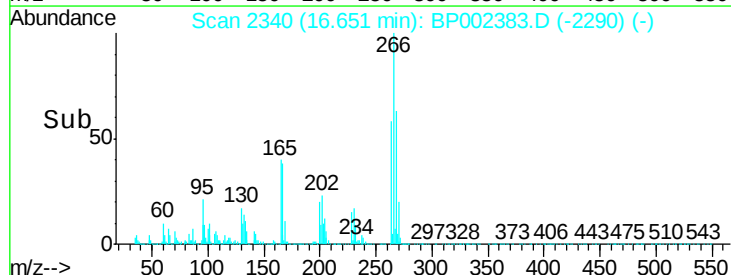
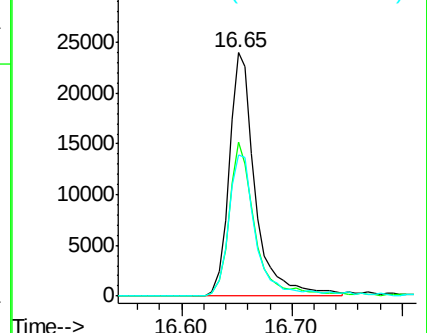
264 58.0 51.4 77.0

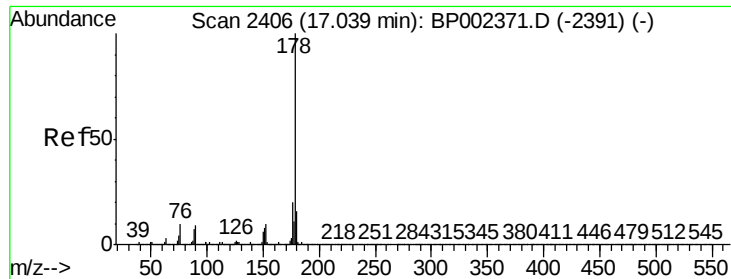


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

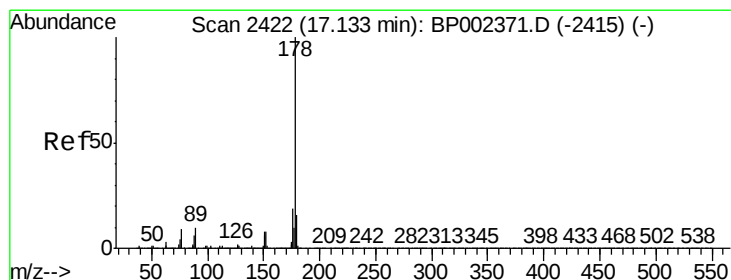
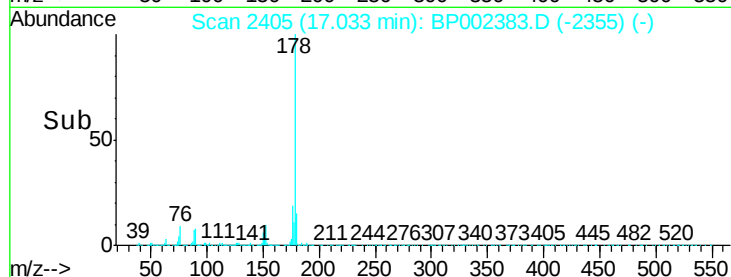
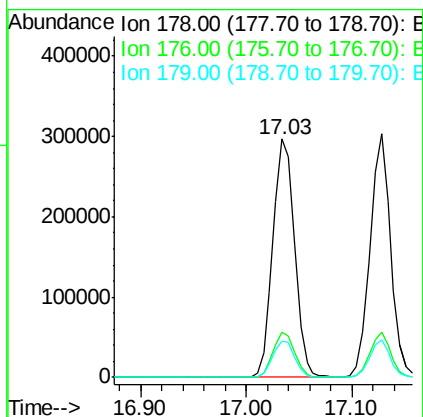
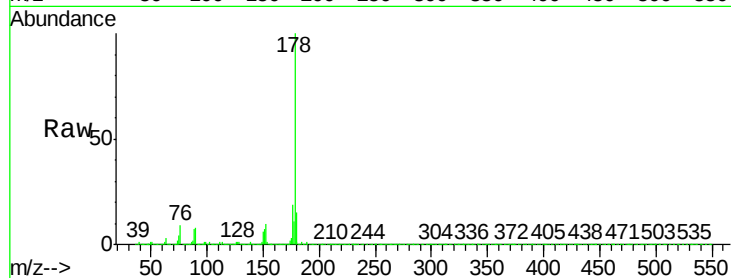




#71
Phenanthrene
Concen: 9.323 ng
RT: 17.03 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

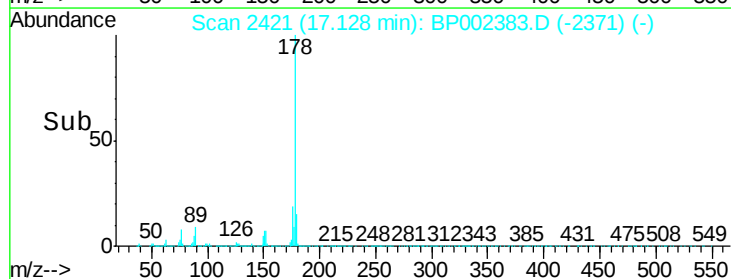
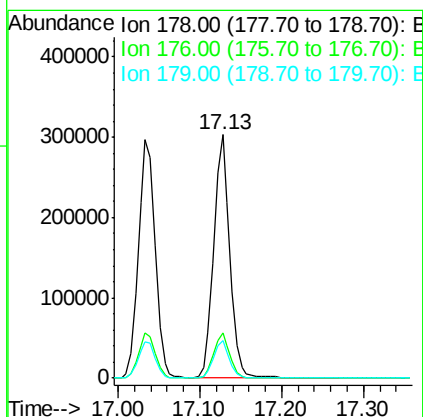
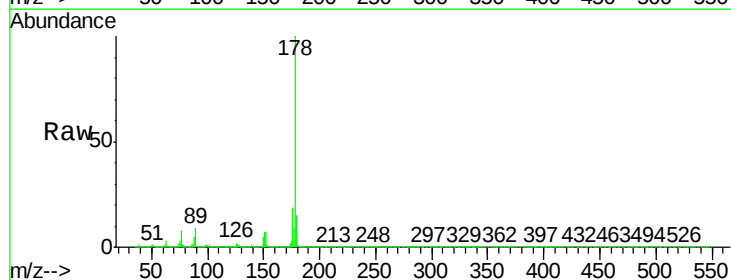
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

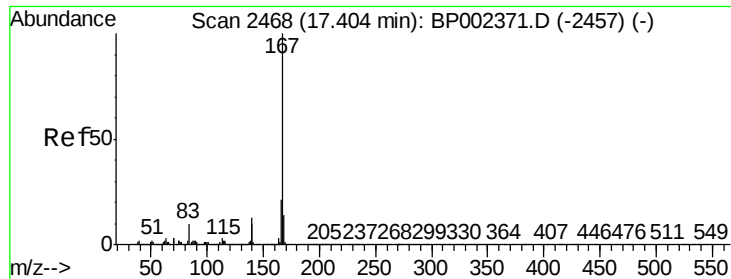
Tot Ion:178 Resp: 420095
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.4 12.5 18.7



#72
Anthracene
Concen: 9.278 ng
RT: 17.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:178 Resp: 415310
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.5 13.0 19.4

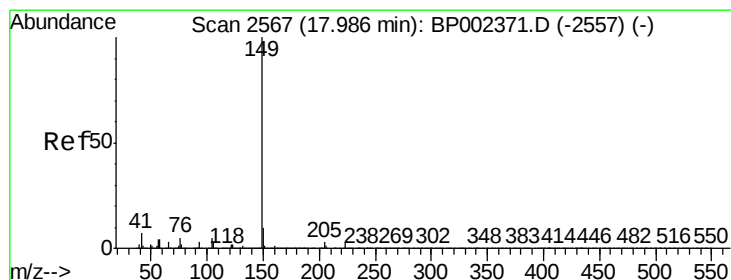
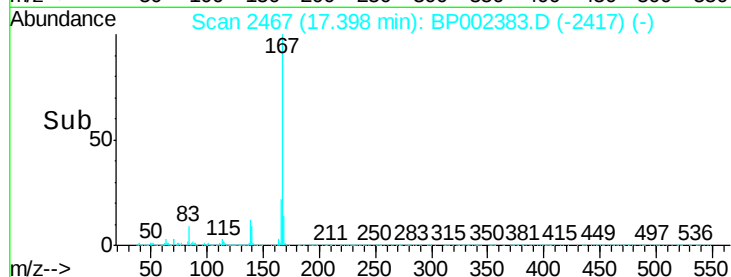
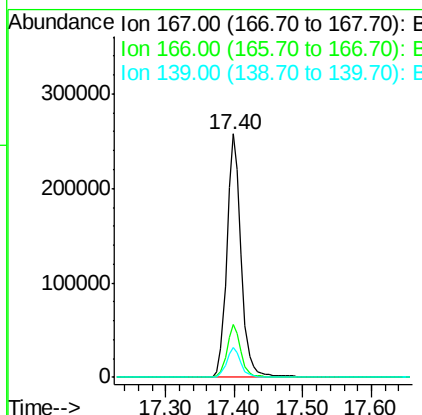
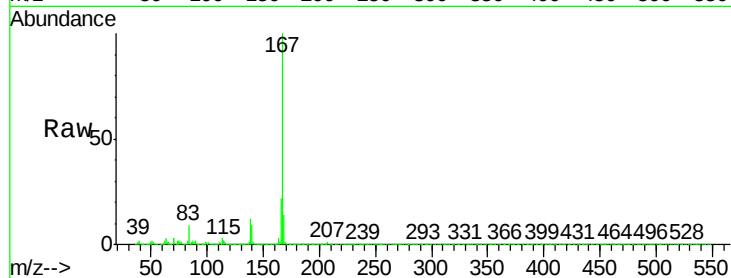




#73
 Carbazole
 Concen: 8.532 ng
 RT: 17.40 min Scan# 2467
 Delta R.T. -0.01 min
 Lab File: BP002383.D
 Acq: 10 Jun 2020 19:59

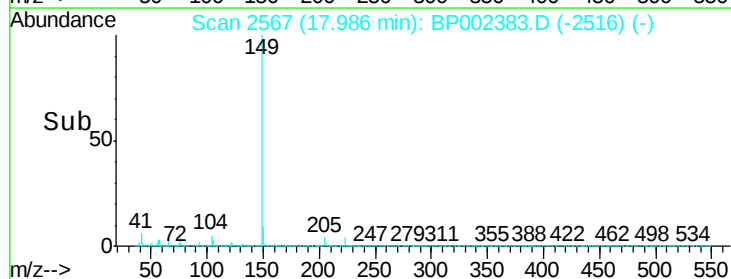
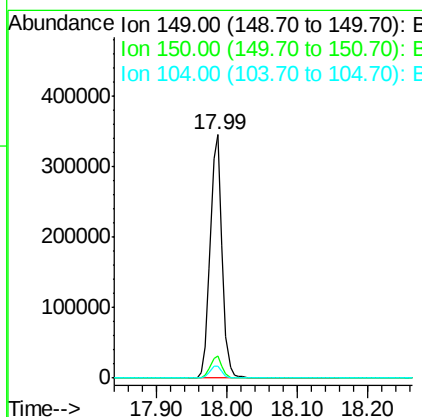
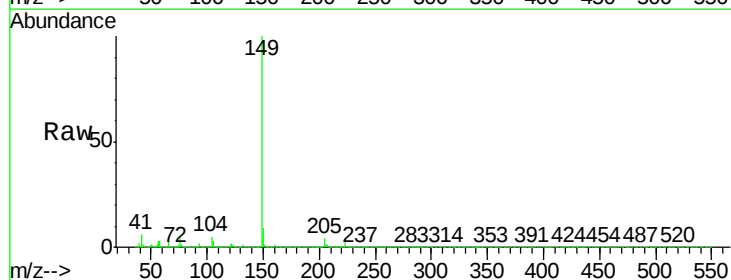
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

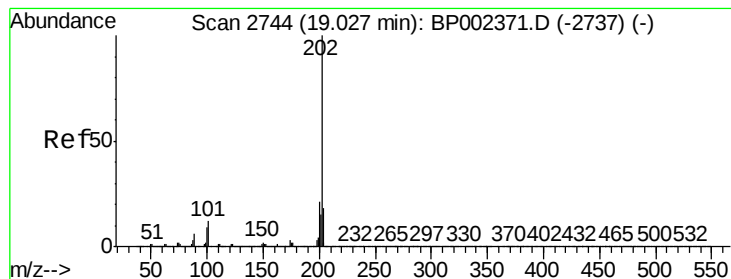
Tot Ion:167 Resp: 375715
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.1 25.7
 139 12.2 10.3 15.5



#74
 Di-n-butylphthalate
 Concen: 7.741 ng
 RT: 17.99 min Scan# 2567
 Delta R.T. 0.00 min
 Lab File: BP002383.D
 Acq: 10 Jun 2020 19:59

Tgt Ion:149 Resp: 403419
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.7 11.5
 104 4.7 4.3 6.5





#75

Fluoranthene

Concen: 9.244 ng

RT: 19.02 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

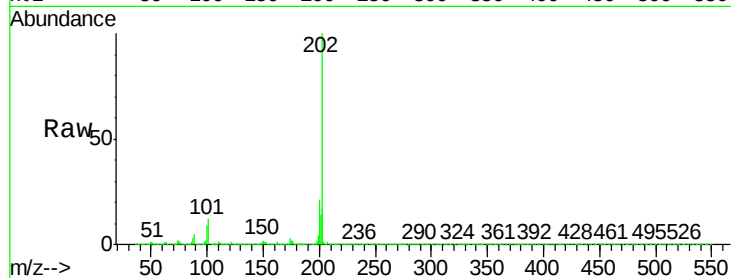
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

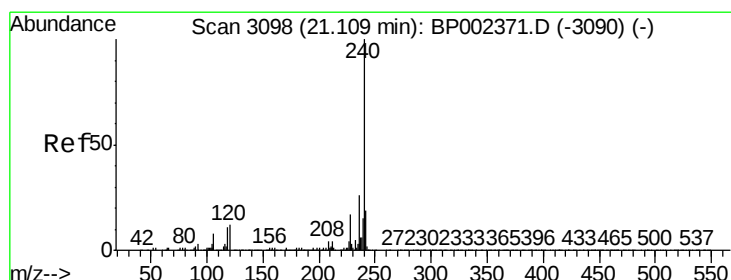
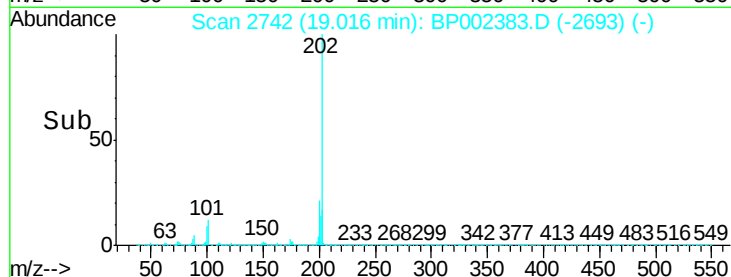
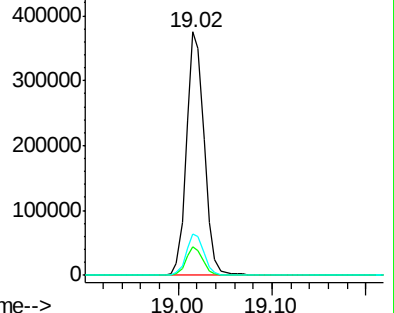
Tot Ion:	202	Resp:	497219
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.8
203	17.2	0.0	38.0



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

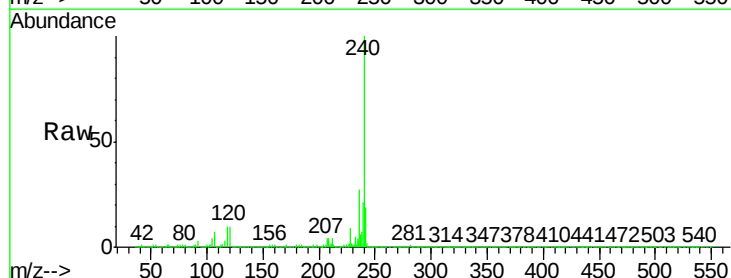
RT: 21.10 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

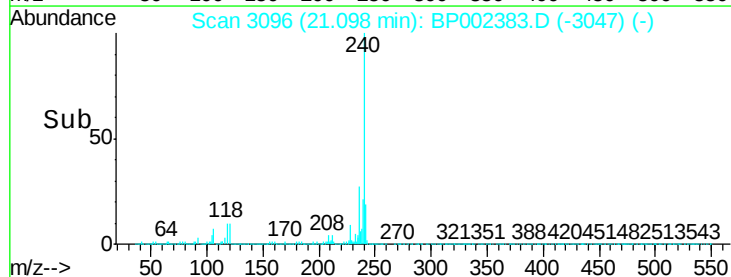
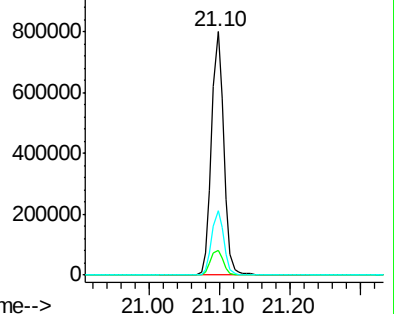
Tgt Ion:	240	Resp:	968256
Ion Ratio	Lower	Upper	
240	100		
120	10.4	9.3	13.9
236	26.6	21.0	31.6

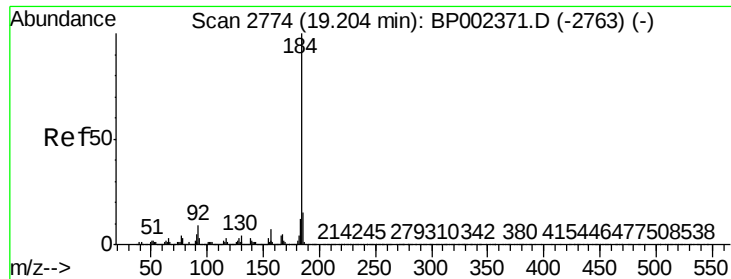


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

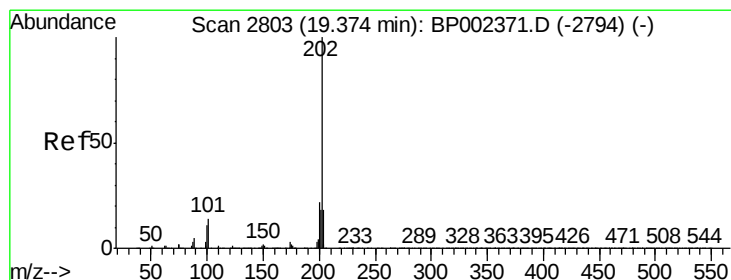
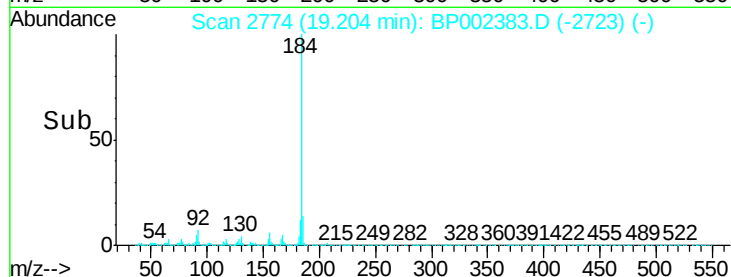
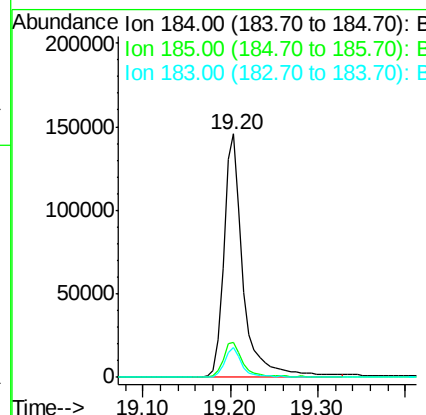
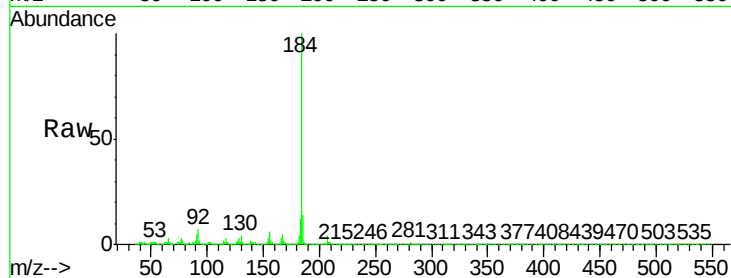




#77
Benzidine
Concen: 10.261 ng
RT: 19.20 min Scan# 2774
Delta R.T. 0.00 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

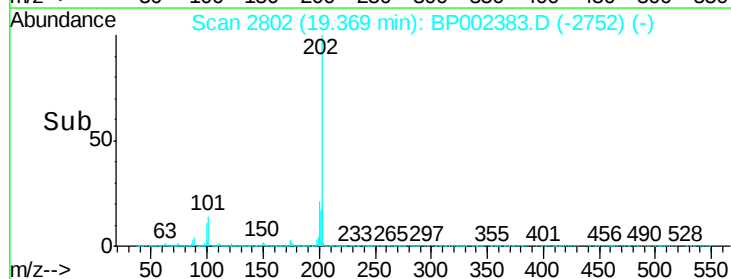
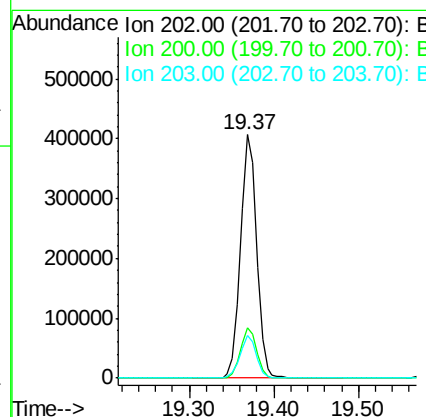
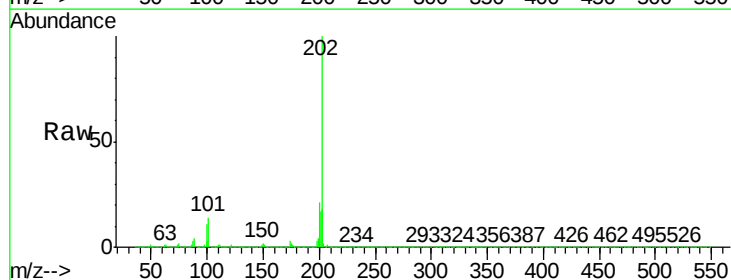
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

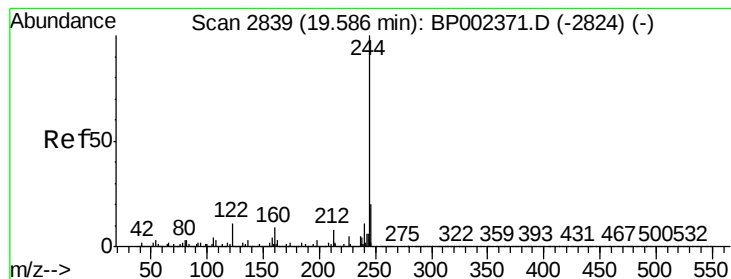
Tot Ion:184 Resp: 222001
Ion Ratio Lower Upper
184 100
185 14.4 11.8 17.8
183 12.4 9.2 13.8



#78
Pyrene
Concen: 8.902 ng
RT: 19.37 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:202 Resp: 527996
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.7 14.6 22.0





#79

Terphenyl-d14

Concen: 121.581 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

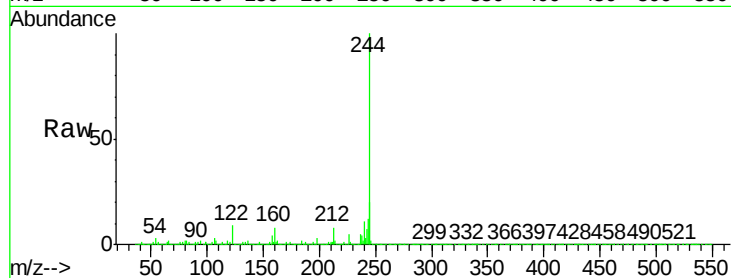
Tot Ion:244 Resp: 4492834

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

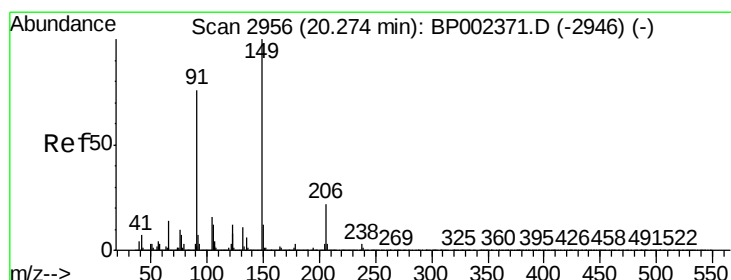
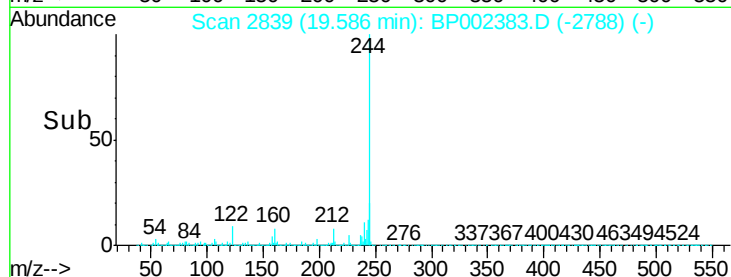
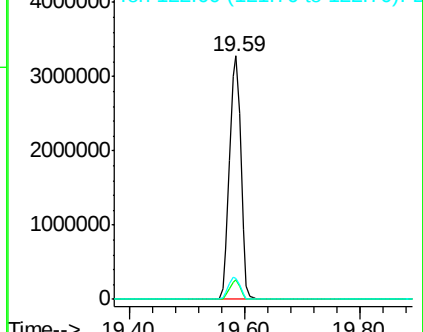
122 8.8 8.8 13.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.410 ng

RT: 20.27 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

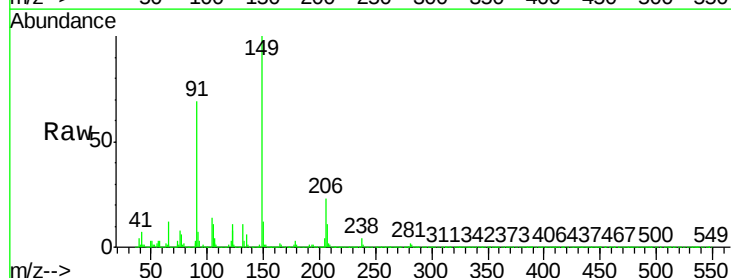
Tgt Ion:149 Resp: 168988

Ion Ratio Lower Upper

149 100

91 68.9 61.2 91.8

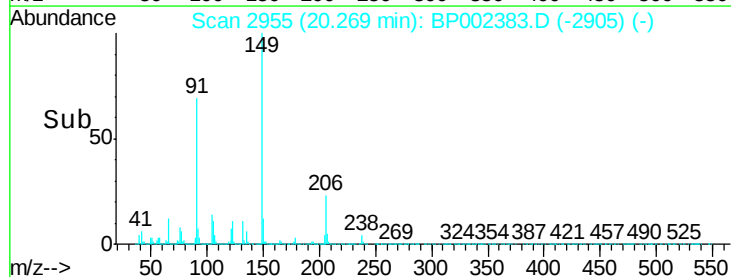
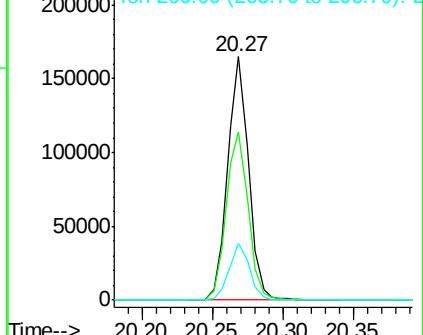
206 23.1 17.8 26.6

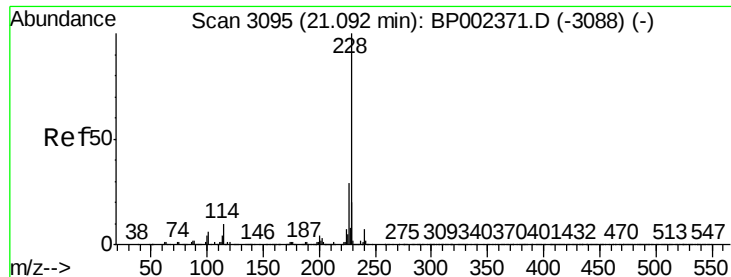


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.417 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

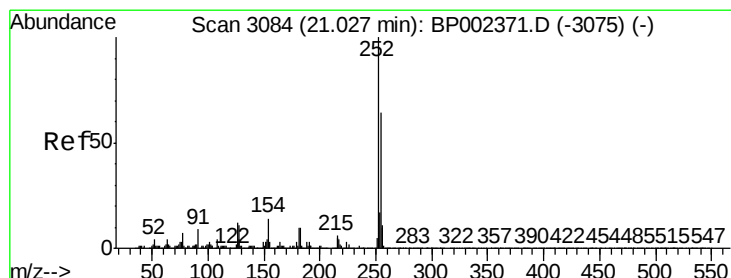
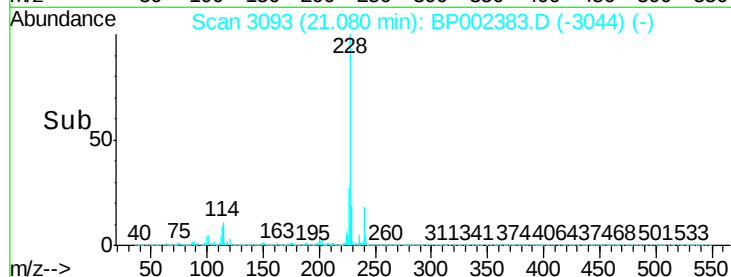
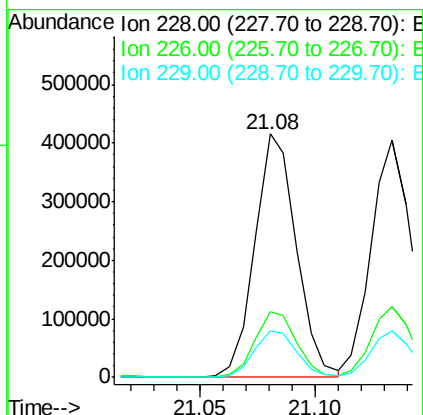
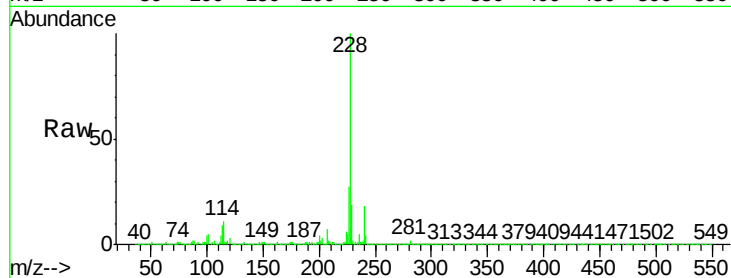
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:228	Resp:	520446
Ion	Ratio	Lower Upper
228	100	
226	26.9	22.8 34.2
229	18.9	16.2 24.2



#82

3,3'-Dichlorobenzidine

Concen: 9.537 ng

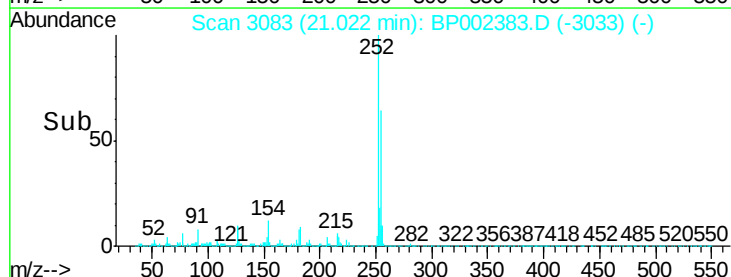
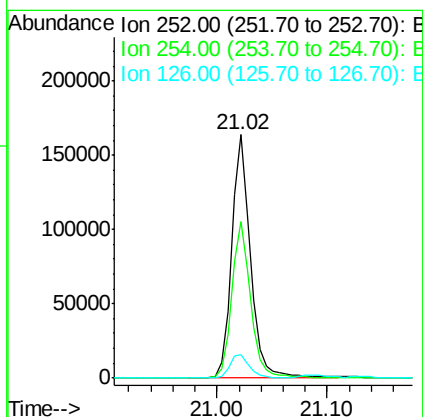
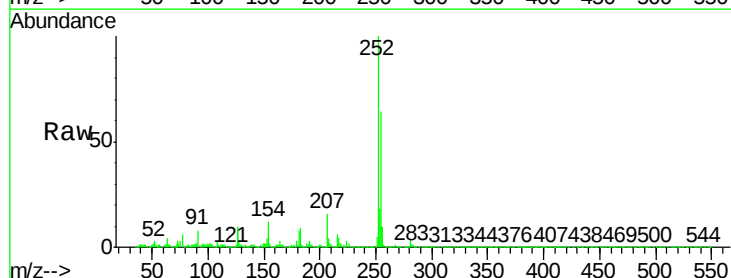
RT: 21.02 min Scan# 3083

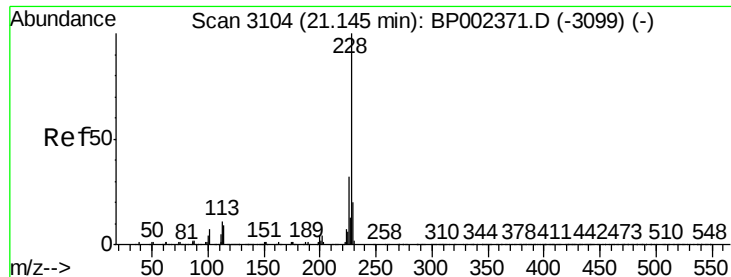
Delta R.T. -0.01 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Tgt Ion:252	Resp:	195893
Ion	Ratio	Lower Upper
252	100	
254	64.1	51.4 77.2
126	9.7	9.2 13.8

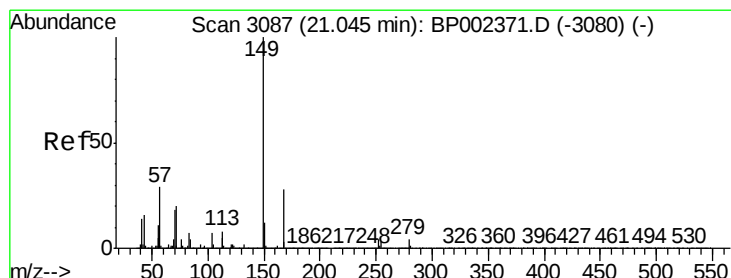
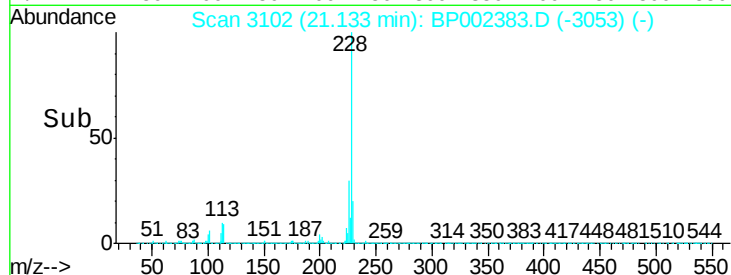
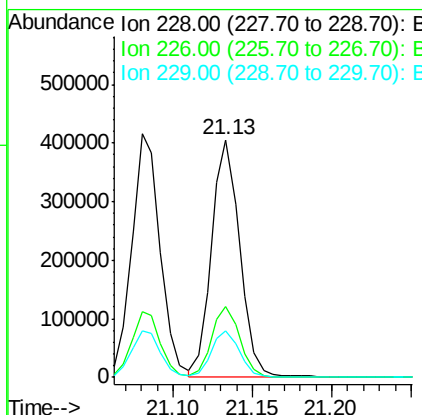
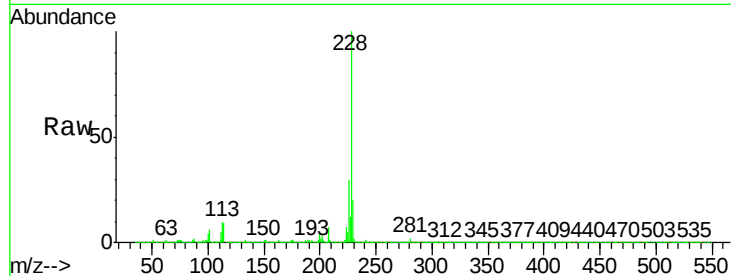




#83
Chrysene
Concen: 9.542 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

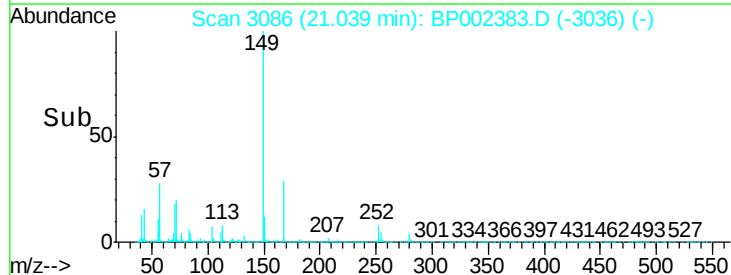
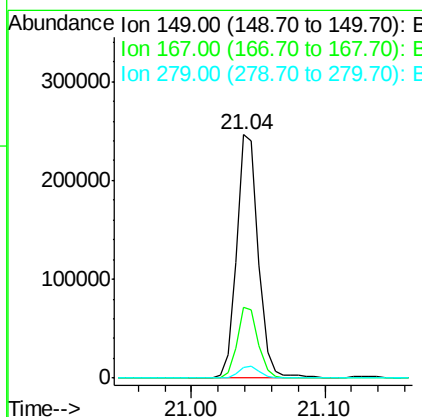
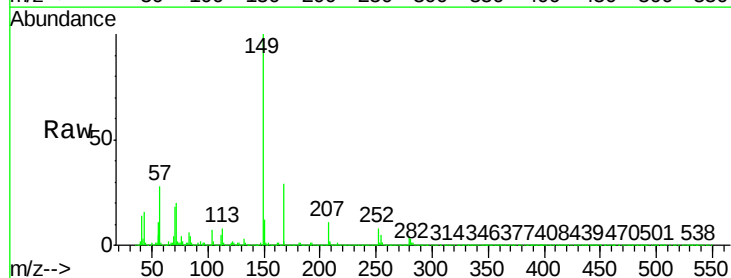
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

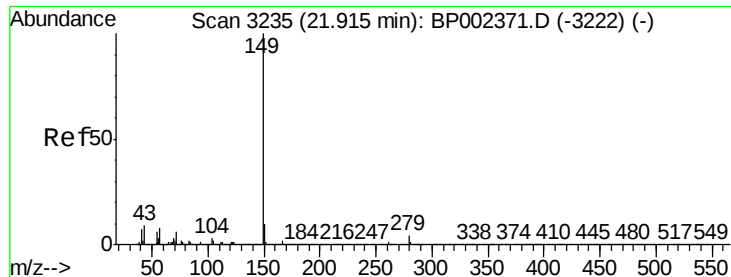
Tot Ion:228 Resp: 499667
Ion Ratio Lower Upper
228 100
226 29.6 25.2 37.8
229 19.7 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 7.250 ng
RT: 21.04 min Scan# 3086
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:149 Resp: 278050
Ion Ratio Lower Upper
149 100
167 29.0 22.3 33.5
279 4.4 3.2 4.8

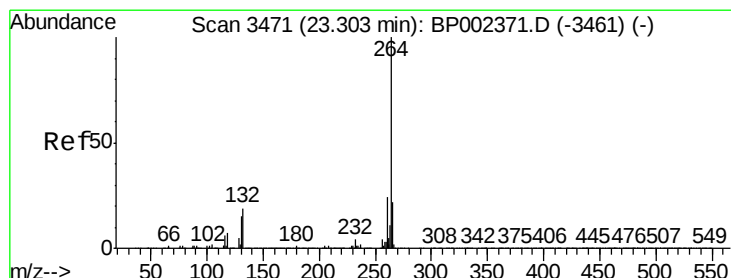
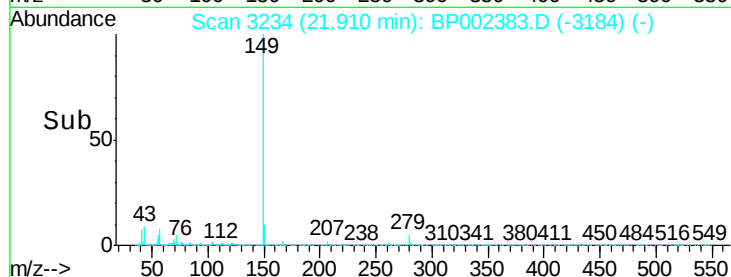
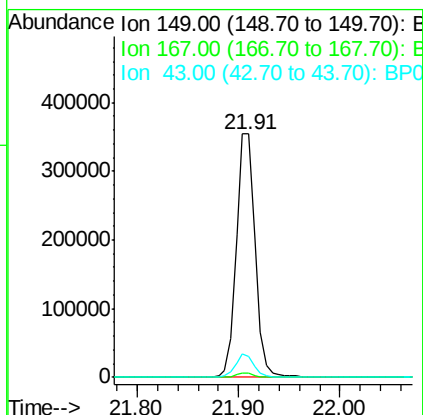
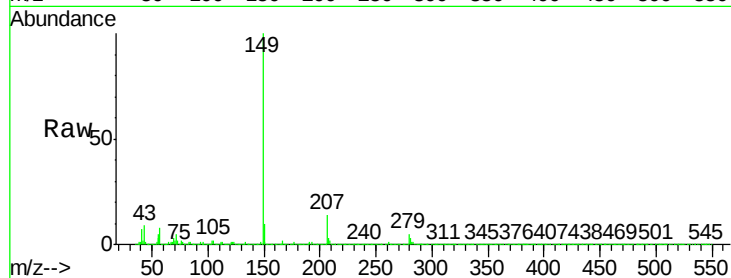




#85
Di-n-octyl phthalate
Concen: 6.743 ng
RT: 21.91 min Scan# 3234
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

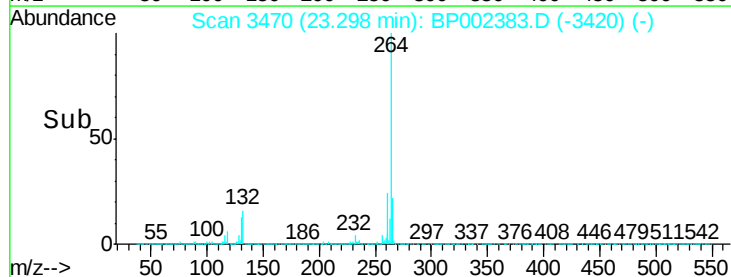
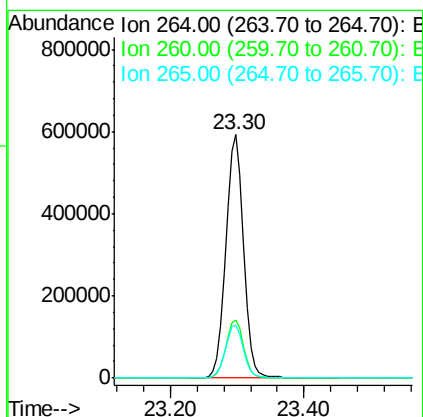
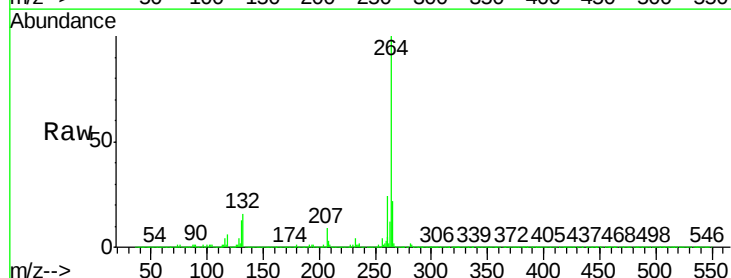
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

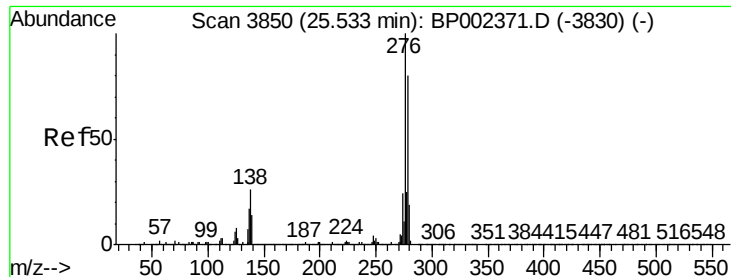
Tot Ion:149 Resp: 453544
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.4 7.8 11.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BP002383.D
Acq: 10 Jun 2020 19:59

Tgt Ion:264 Resp: 1115167
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 21.9 17.4 26.2

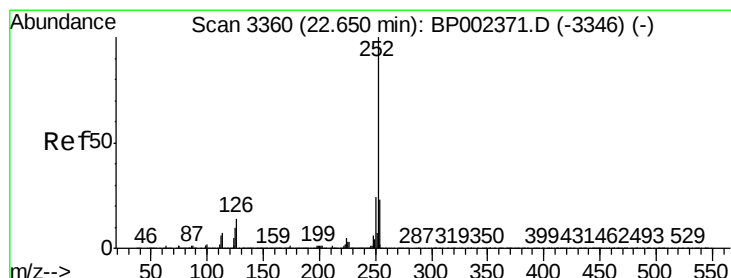
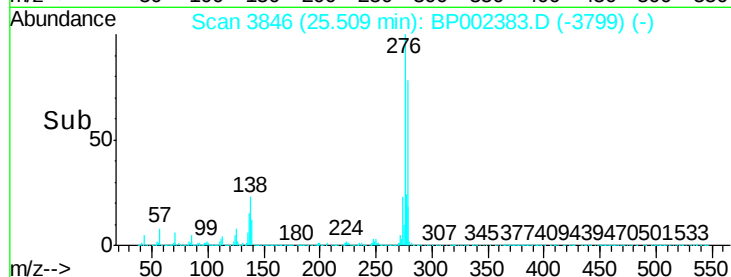
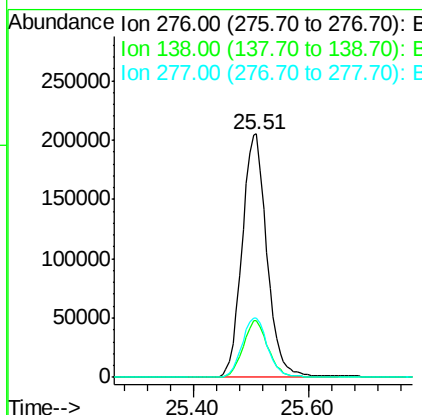
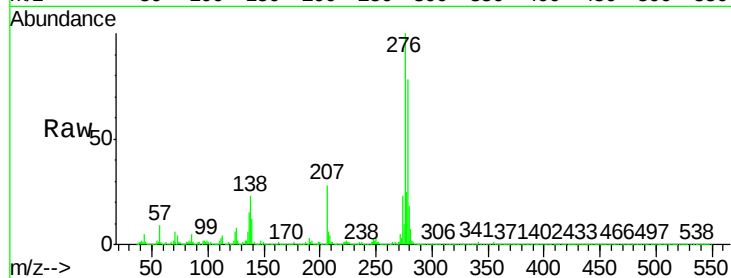




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.792 ng
 RT: 25.51 min Scan# 3846
 Delta R.T. -0.02 min
 Lab File: BP002383.D
 Acq: 10 Jun 2020 19:59

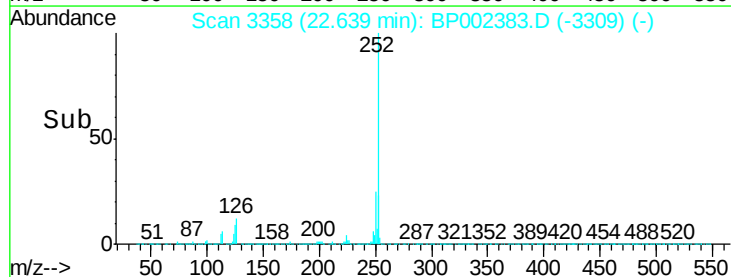
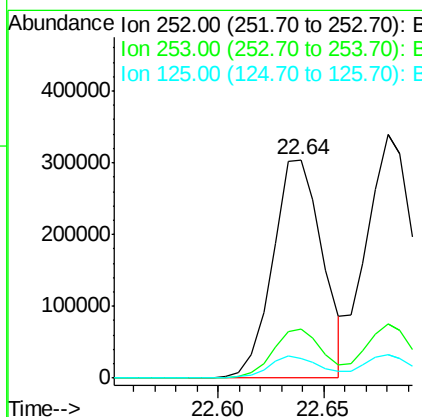
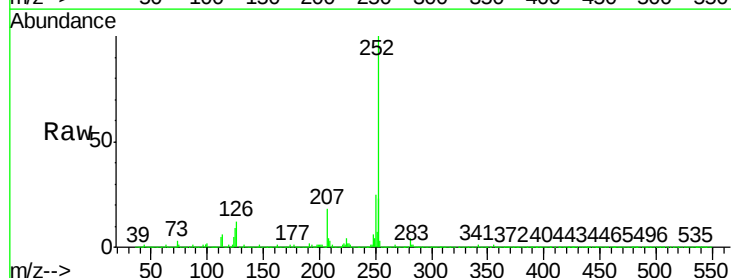
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

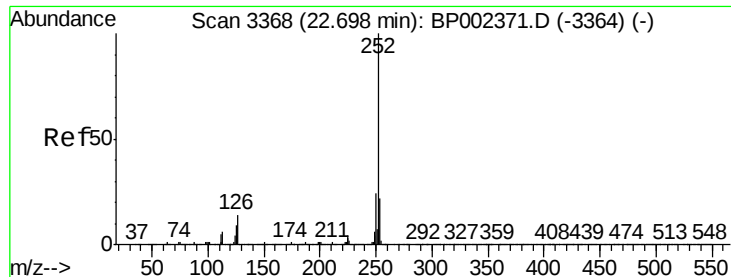
Tot Ion:276 Resp: 613258
 Ion Ratio Lower Upper
 276 100
 138 23.5 21.2 31.8
 277 25.2 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 8.264 ng
 RT: 22.64 min Scan# 3358
 Delta R.T. -0.01 min
 Lab File: BP002383.D
 Acq: 10 Jun 2020 19:59

Tgt Ion:252 Resp: 496956
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.1 27.1
 125 9.2 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 9.522 ng

RT: 22.68 min Scan# 3365

Delta R.T. -0.02 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

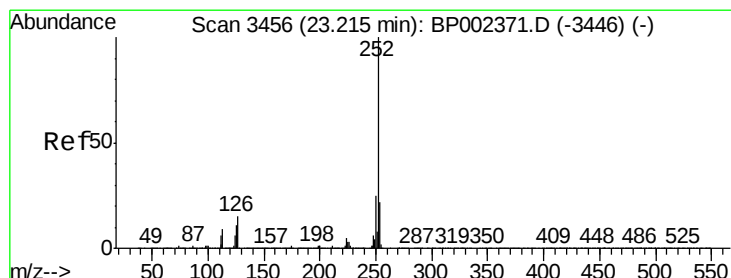
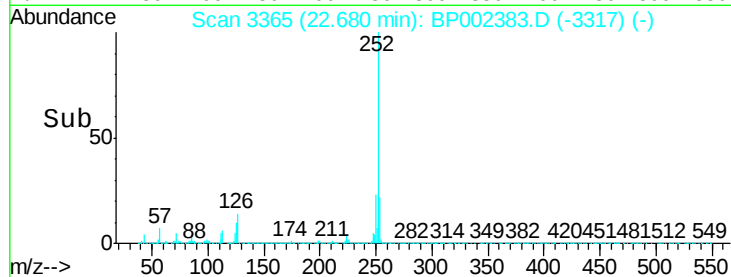
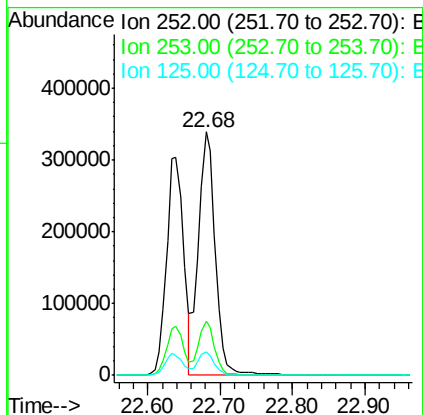
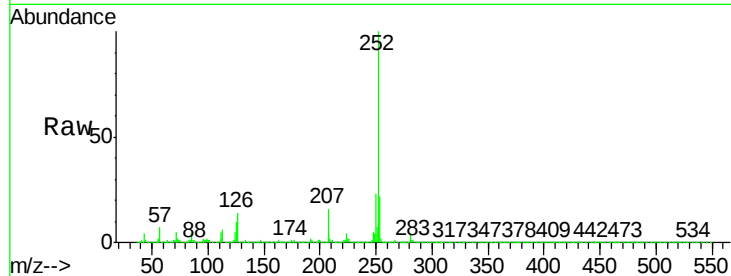
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:252	Resp:	544073
Ion Ratio	Lower	Upper
252	100	
253	22.2	17.8 26.6
125	9.7	7.8 11.8



#90

Benzo(a)pyrene

Concen: 8.268 ng

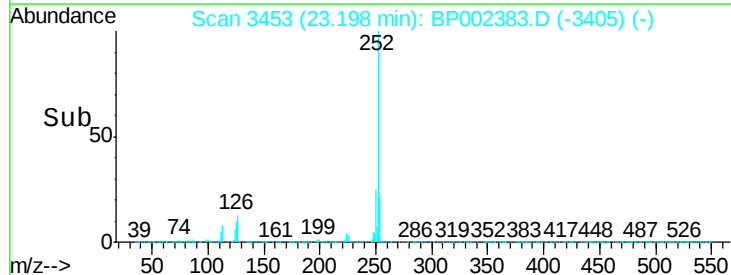
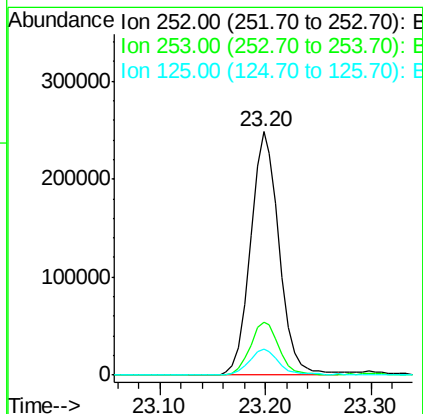
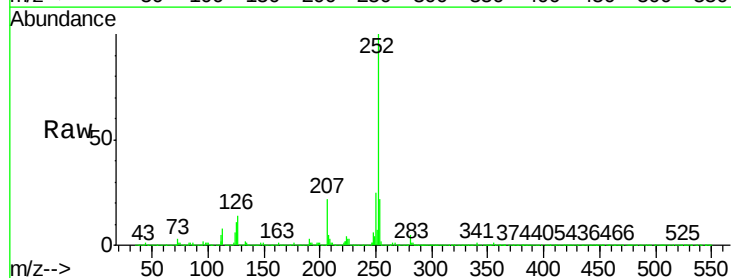
RT: 23.20 min Scan# 3453

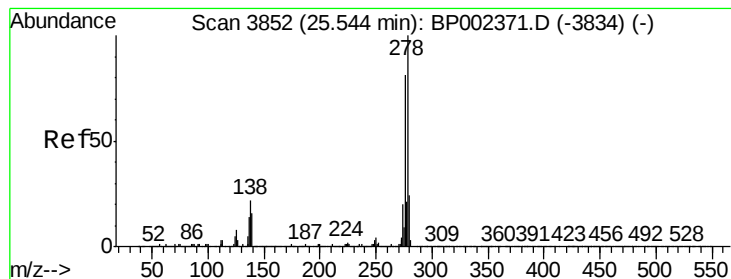
Delta R.T. -0.02 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Tgt Ion:252	Resp:	465940
Ion Ratio	Lower	Upper
252	100	
253	21.6	17.8 26.8
125	10.5	9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 9.262 ng

RT: 25.52 min Scan# 3848

Delta R.T. -0.02 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

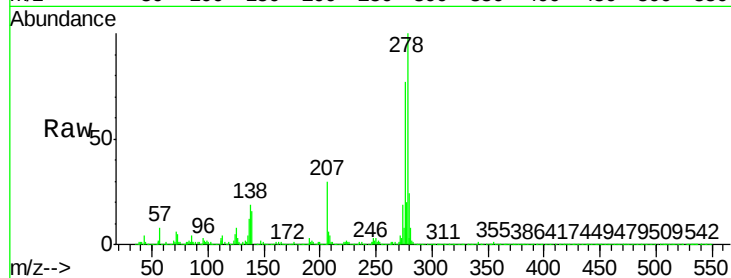
Tot Ion:278 Resp: 518194

Ion Ratio Lower Upper

278 100

139 16.0 13.1 19.7

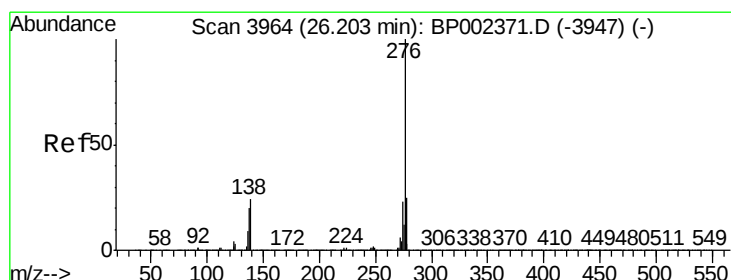
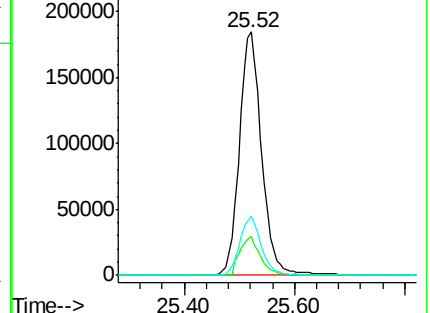
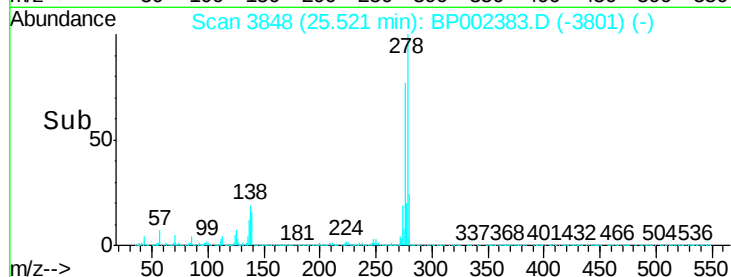
279 24.2 18.9 28.3



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: 8.926 ng

RT: 26.17 min Scan# 3959

Delta R.T. -0.03 min

Lab File: BP002383.D

Acq: 10 Jun 2020 19:59

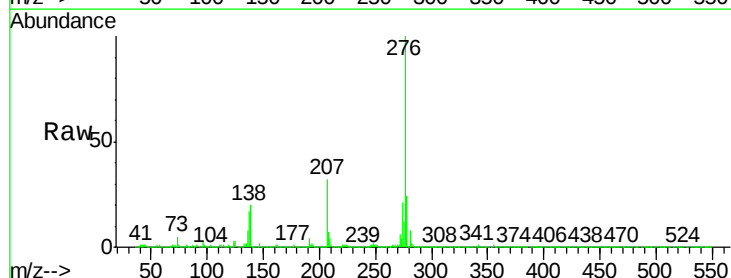
Tgt Ion:276 Resp: 517234

Ion Ratio Lower Upper

276 100

277 23.6 19.8 29.6

138 20.3 19.2 28.8



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

