

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061220\
 Data File : BP002401.D
 Acq On : 12 Jun 2020 16:48
 Operator : CG/JU
 Sample : L2182-01
 Misc : MDL-MDL-S-8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Quant Time: Jun 12 17:34:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:44:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	156933	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	623064	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	383484	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	809041	20.00	ng	0.00
76) Chrysene-d12	21.10	240	771283	20.00	ng	-0.01
86) Perylene-d12	23.30	264	854176	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	1385888	163.41	ng	0.00
7) Phenol-d6	6.78	99	1902639	168.50	ng	0.00
23) Nitrobenzene-d5	8.73	82	1277836	122.48	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	671276	182.83	ng	0.00
45) 2-Fluorobiphenyl	12.86	172	2556930	112.11	ng	0.00
79) Terphenyl-d14	19.59	244	3434688	116.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.16	88	34315	8.784	ng	99
3) Pyridine	3.55	79	78154	7.361	ng	97
4) n-Nitrosodimethylamine	3.46	42	34744	7.940	ng	98
6) Aniline	6.92	93	127927	8.331	ng	99
8) 2-Chlorophenol	7.16	128	78290	8.210	ng	98
9) Benzaldehyde	6.73	77	76009	13.175	ng	96
10) Phenol	6.80	94	102394	8.361	ng	99
11) bis(2-Chloroethyl)ether	7.02	93	83532	8.170	ng	96
12) 1,3-Dichlorobenzene	7.48	146	86528	7.880	ng	98
13) 1,4-Dichlorobenzene	7.62	146	89214	8.075	ng	98
14) 1,2-Dichlorobenzene	7.94	146	85037	8.035	ng	97
15) Benzyl Alcohol	7.83	79	63655	7.273	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.12	45	114677	7.905	ng	100
17) 2-Methylphenol	8.03	107	66542	7.436	ng	96
18) Hexachloroethane	8.66	117	31236	7.761	ng	93
19) n-Nitroso-di-n-propylamine	8.39	70	65660	8.700	ng	98
20) 3+4-Methylphenols	8.36	107	88944	7.365	ng	96
22) Acetophenone	8.40	105	130631	9.332	ng	98
24) Nitrobenzene	8.78	77	101012	9.007	ng	98
25) Isophorone	9.30	82	175853	8.276	ng	99
26) 2-Nitrophenol	9.48	139	37255	7.455	ng	100
27) 2,4-Dimethylphenol	9.56	122	61224	7.809	ng	98
28) bis(2-Chloroethoxy)methane	9.79	93	111913	8.842	ng	99
29) 2,4-Dichlorophenol	10.02	162	67516	7.650	ng	98
30) 1,2,4-Trichlorobenzene	10.23	180	81585	8.293	ng	97
31) Naphthalene	10.41	128	255205	8.817	ng	99
32) Benzoic acid	9.63	122	7409	1.242	ng	89
33) 4-Chloroaniline	10.52	127	100948	7.988	ng	99
34) Hexachlorobutadiene	10.72	225	44735	7.792	ng	96
35) Caprolactam	11.26	113	23298	7.485	ng	93
36) 4-Chloro-3-methylphenol	11.66	107	75138	7.869	ng	97
37) 2-Methylnaphthalene	12.03	142	182617	8.889	ng	99
38) 1-Methylnaphthalene	12.26	142	171924	8.915	ng	97
40) 1,2,4,5-Tetrachlorobenzene	12.41	216	92553	9.156	ng	99

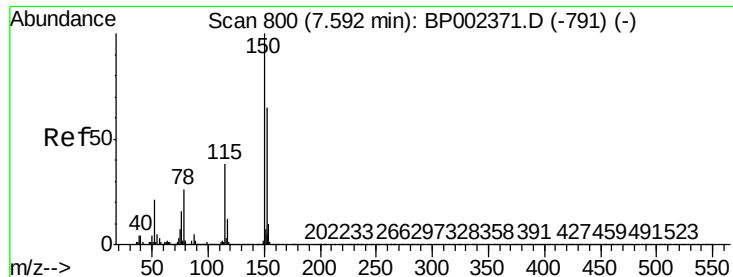
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.40	237	36176	6.731	ng	99
43) 2,4,6-Trichlorophenol	12.66	196	52306	7.311	ng	99
44) 2,4,5-Trichlorophenol	12.73	196	59427	7.174	ng	97
46) 1,1'-Biphenyl	13.06	154	242309	9.641	ng	98
47) 2-Chloronaphthalene	13.10	162	178299	8.673	ng	98
48) 2-Nitroaniline	13.30	65	45744	6.970	ng	92
49) Acenaphthylene	13.95	152	283559	8.642	ng	100
50) Dimethylphthalate	13.70	163	218684	8.322	ng	100
51) 2,6-Dinitrotoluene	13.81	165	43379	7.602	ng	92
52) Acenaphthene	14.30	154	172225	8.960	ng	99
53) 3-Nitroaniline	14.14	138	42690	6.552	ng	98
54) 2,4-Dinitrophenol	14.35	184	12378	3.955	ng	95
55) Dibenzofuran	14.64	168	278837	9.010	ng	99
56) 4-Nitrophenol	14.46	139	30885	5.970	ng	94
57) 2,4-Dinitrotoluene	14.60	165	54977	7.078	ng	93
58) Fluorene	15.29	166	216569	8.897	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.87	232	51314	7.803	ng	100
60) Diethylphthalate	15.08	149	217086	8.245	ng	98
61) 4-Chlorophenyl-phenylether	15.30	204	110580	9.371	ng	94
62) 4-Nitroaniline	15.30	138	43641	6.970	ng	95
63) Azobenzene	15.59	77	231588	8.837	ng	98
65) 4,6-Dinitro-2-methylphenol	15.37	198	25072	5.873	ng	88
66) n-Nitrosodiphenylamine	15.51	169	192130	9.296	ng	100
67) 4-Bromophenyl-phenylether	16.19	248	63954	8.345	ng	98
68) Hexachlorobenzene	16.31	284	70216	8.634	ng	99
69) Atrazine	16.47	200	66406	9.849	ng	100
70) Pentachlorophenol	16.65	266	29300	6.022	ng	96
71) Phenanthrene	17.03	178	357152	9.437	ng	99
72) Anthracene	17.13	178	353224	9.395	ng	96
73) Carbazole	17.40	167	312502	8.450	ng	99
74) Di-n-butylphthalate	17.99	149	337812	7.718	ng	98
75) Fluoranthene	19.02	202	398535	8.822	ng	98
77) Benzidine	19.20	184	171304	9.940	ng	98
78) Pyrene	19.37	202	422840	8.950	ng	98
80) Butylbenzylphthalate	20.27	149	140779	6.703	ng	98
81) Benzo(a)anthracene	21.08	228	403763	9.171	ng	99
82) 3,3'-Dichlorobenzidine	21.02	252	145248	8.878	ng	95
83) Chrysene	21.13	228	399192	9.571	ng	99
84) Bis(2-ethylhexyl)phthalate	21.04	149	239627	7.844	ng	100
85) Di-n-octyl phthalate	21.90	149	381952	7.128	ng	99
87) Indeno(1,2,3-cd)pyrene	25.50	276	458330	8.579	ng	97
88) Benzo(b)fluoranthene	22.64	252	403881	8.768	ng	97
89) Benzo(k)fluoranthene	22.68	252	394502	9.014	ng	# 97
90) Benzo(a)pyrene	23.20	252	361832	8.382	ng	98
91) Dibenzo(a,h)anthracene	25.52	278	387256	9.036	ng	97
92) Benzo(g,h,i)perylene	26.17	276	387636	8.733	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 799

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

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LOD-MDL-SOIL-01-QT2-2020

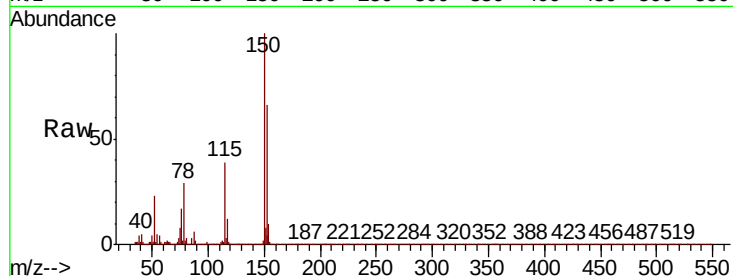
Tot Ion:152 Resp: 156933

Ion Ratio Lower Upper

152 100

150 152.6 124.0 186.0

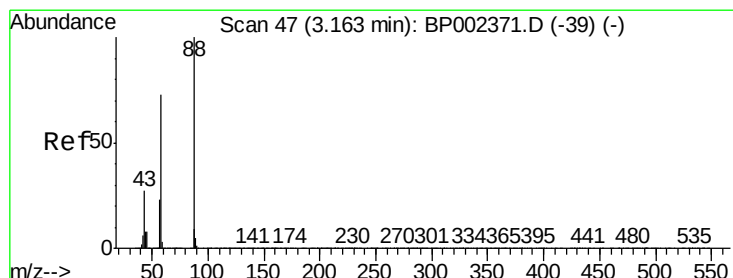
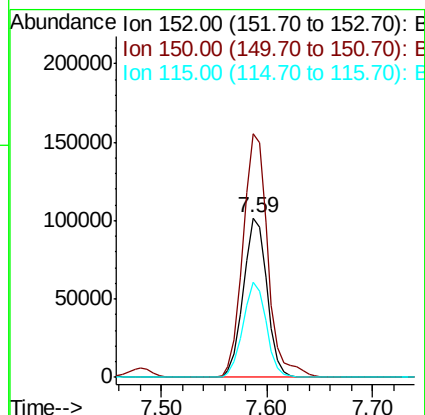
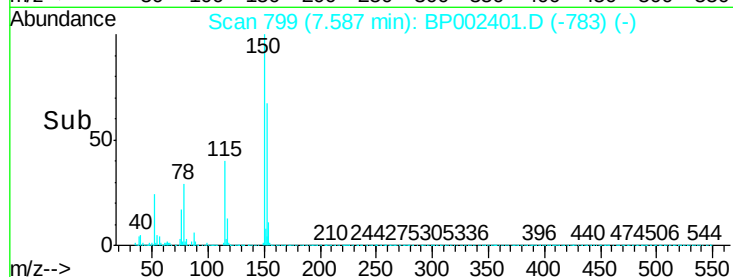
115 59.9 47.4 71.0



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: 8.784 ng

RT: 3.16 min Scan# 47

Delta R.T. 0.00 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

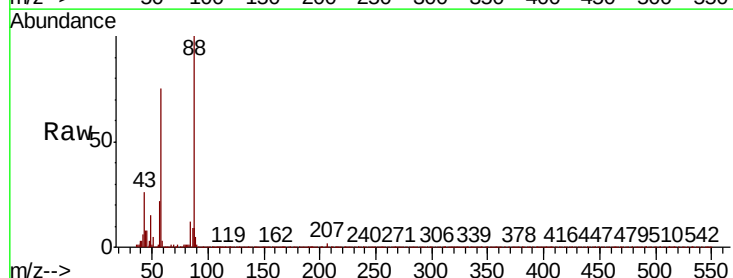
Tgt Ion: 88 Resp: 34315

Ion Ratio Lower Upper

88 100

58 71.6 58.2 87.4

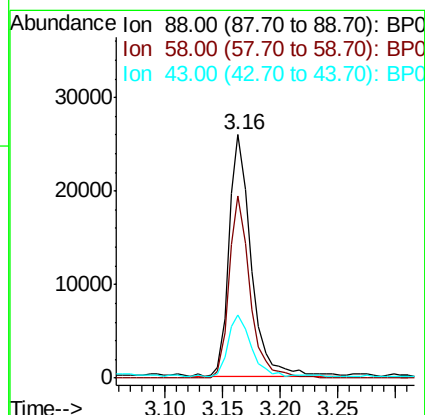
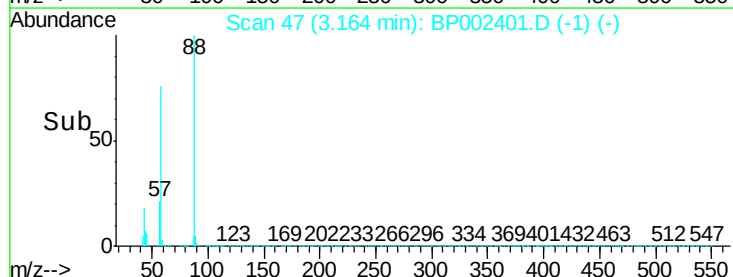
43 26.9 21.8 32.8

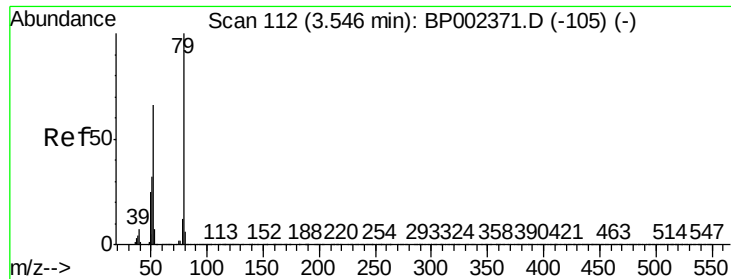


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0





#3

Pvridine

Concen: 7.361 ng

RT: 3.55 min Scan# 112

Delta R.T. 0.00 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

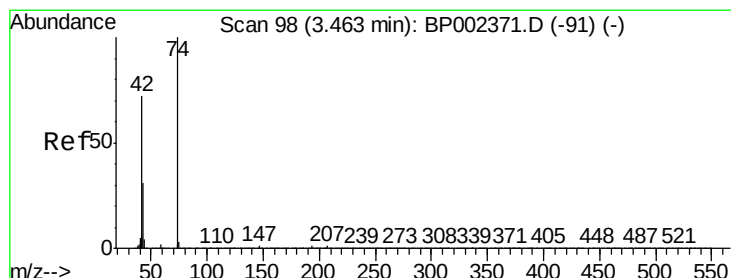
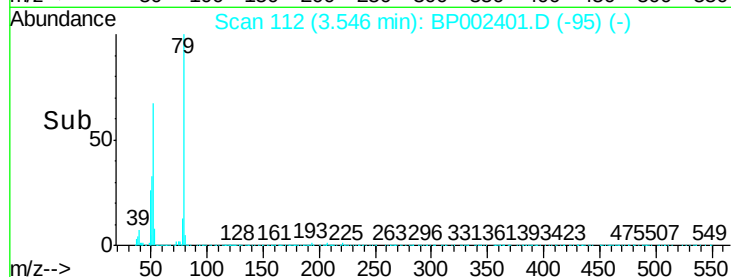
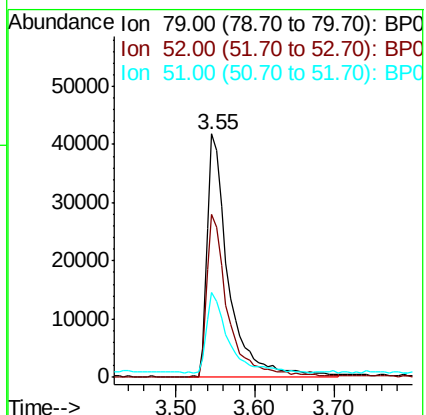
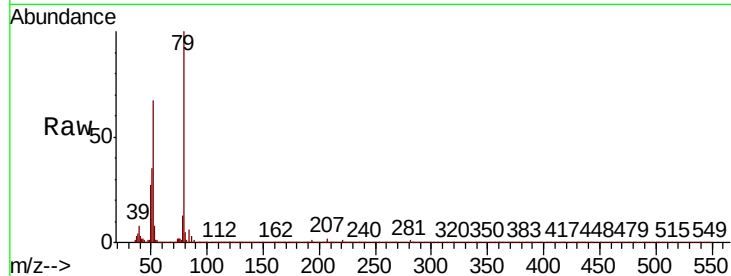
Tot Ion: 79 Resp: 78154

Ion Ratio Lower Upper

79 100

52 67.1 52.5 78.7

51 35.0 26.1 39.1



#4

n-Nitrosodimethylamine

Concen: 7.940 ng

RT: 3.46 min Scan# 98

Delta R.T. 0.00 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

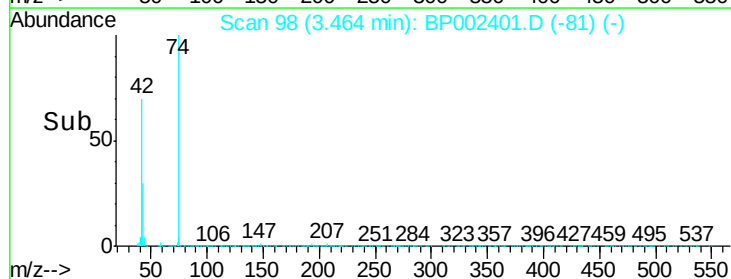
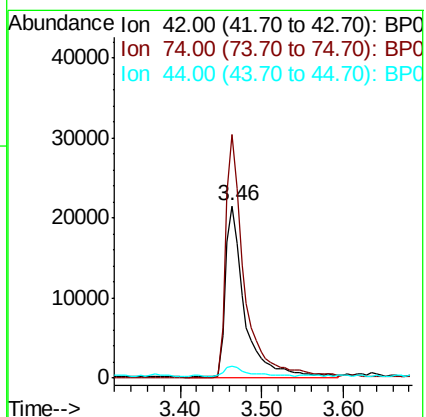
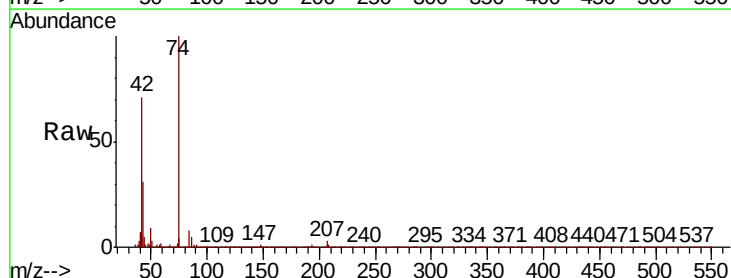
Tgt Ion: 42 Resp: 34744

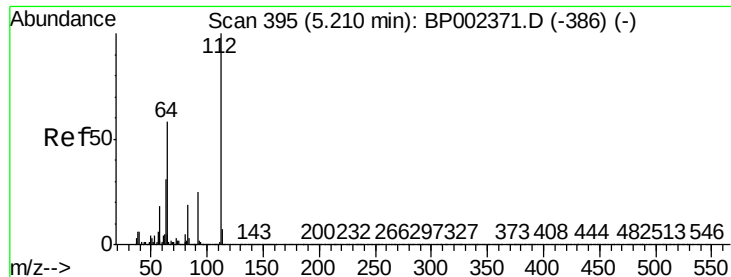
Ion Ratio Lower Upper

42 100

74 141.5 111.1 166.7

44 6.8 5.4 8.0





#5

2-Fluorophenol

Concen: 163.411 ng

RT: 5.20 min Scan# 394

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

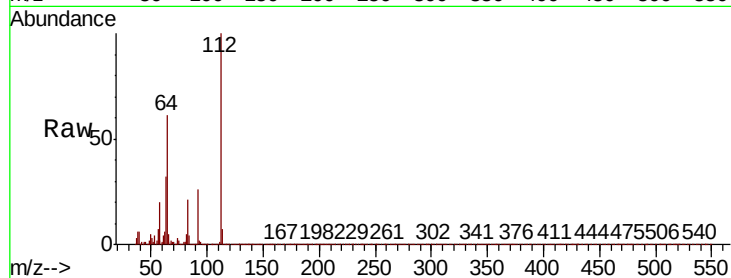
Tot Ion:112 Resp: 1385888

Ion Ratio Lower Upper

112 100

64 60.7 46.2 69.2

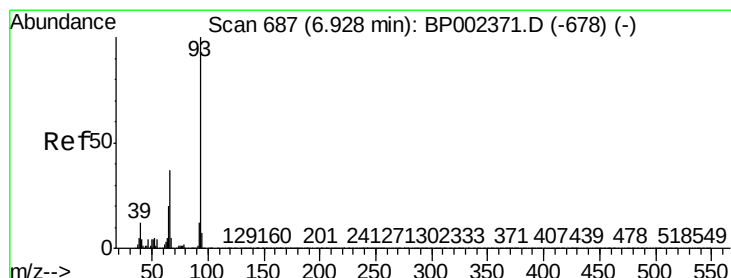
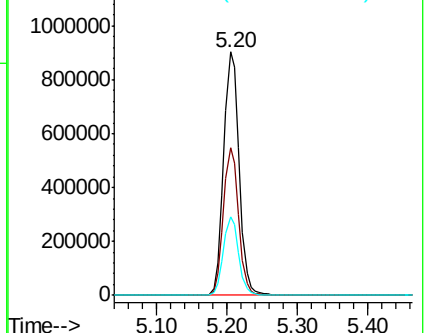
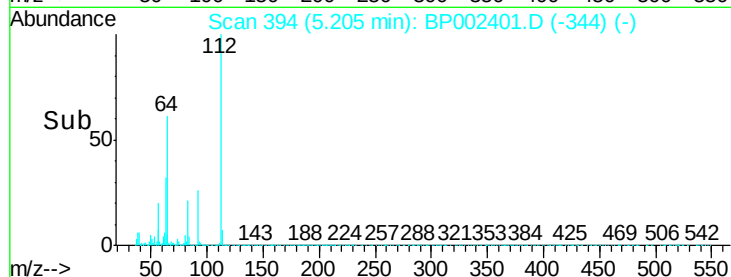
63 32.2 24.5 36.7



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 8.331 ng

RT: 6.92 min Scan# 686

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

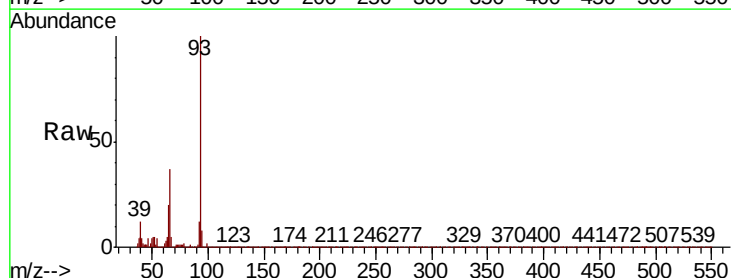
Tgt Ion: 93 Resp: 127927

Ion Ratio Lower Upper

93 100

66 36.7 29.8 44.6

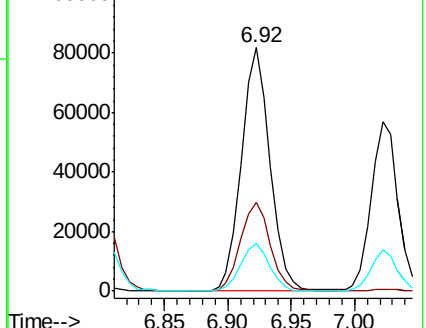
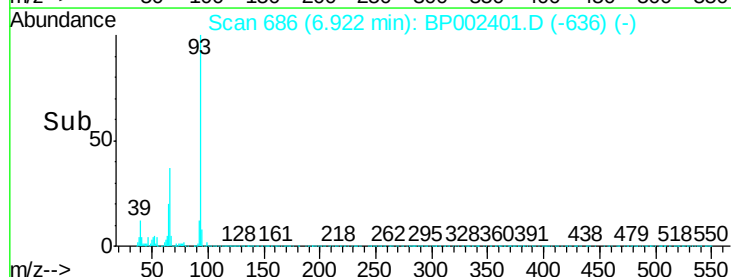
65 19.7 15.7 23.5

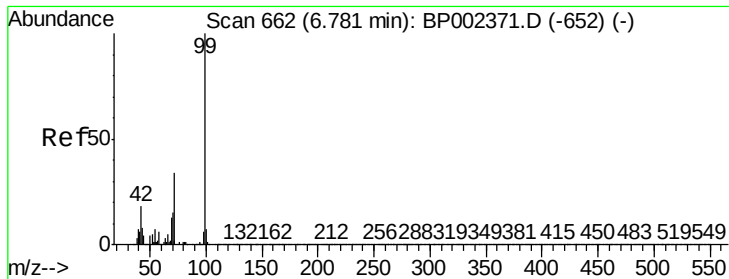


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 168.502 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002401.D

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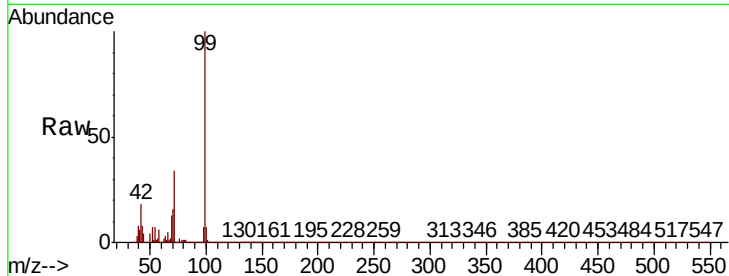
Tot Ion: 99 Resp: 1902639

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.6	22.0
71	33.8	27.2	40.8

99 100

42 18.1 14.6 22.0

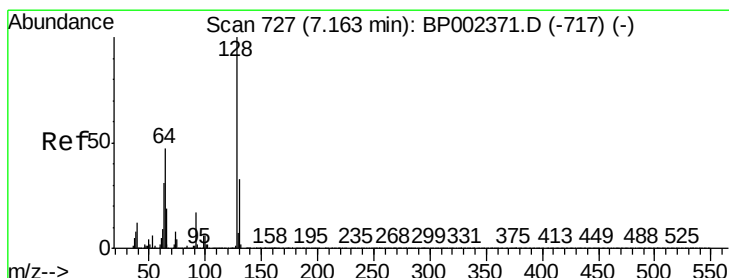
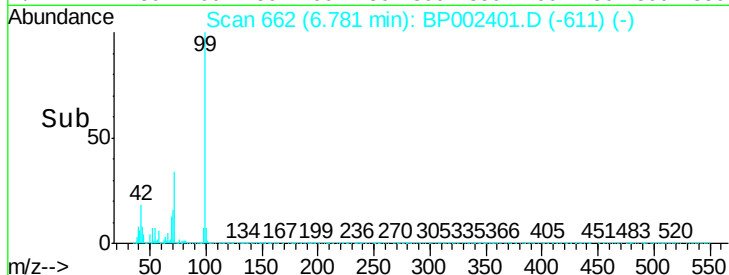
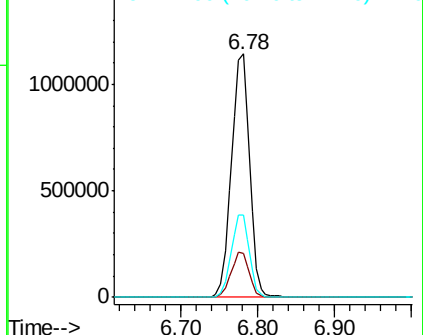
71 33.8 27.2 40.8



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: 8.210 ng

RT: 7.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BP002401.D

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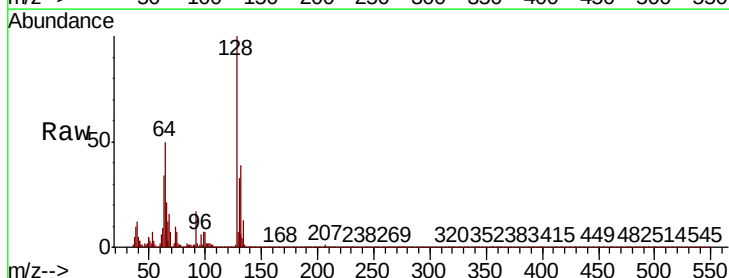
Tgt Ion: 128 Resp: 78290

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	49.7	27.7	67.7

128 100

130 32.6 12.5 52.5

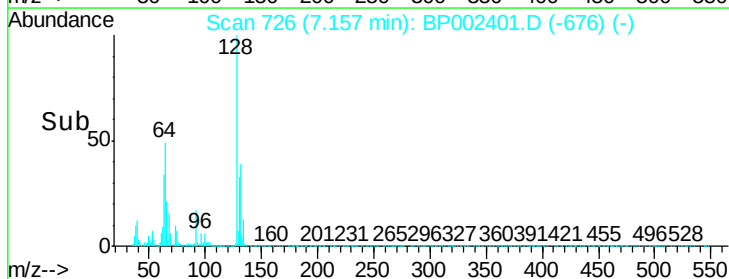
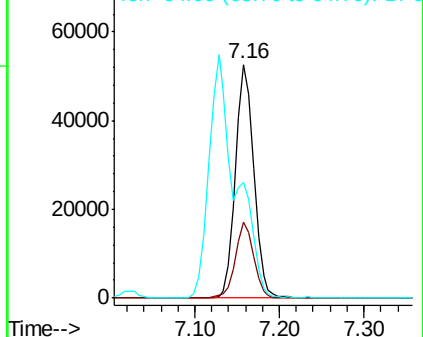
64 49.7 27.7 67.7

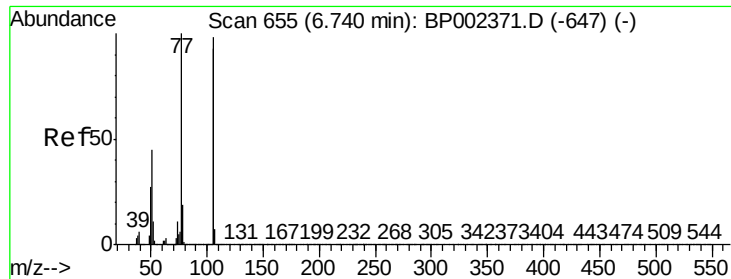


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0





#9

Benzaldehyde

Concen: 13.175 ng

RT: 6.73 min Scan# 654

Delta R.T. -0.01 min

Lab File: BP002401.D

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ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

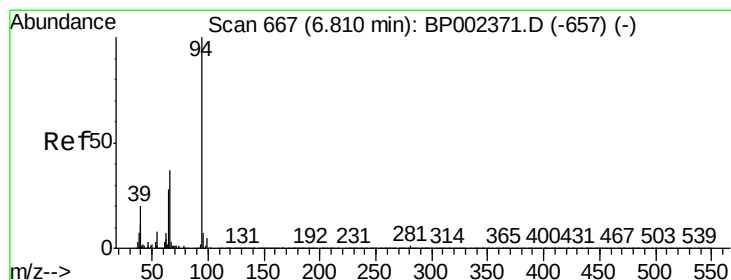
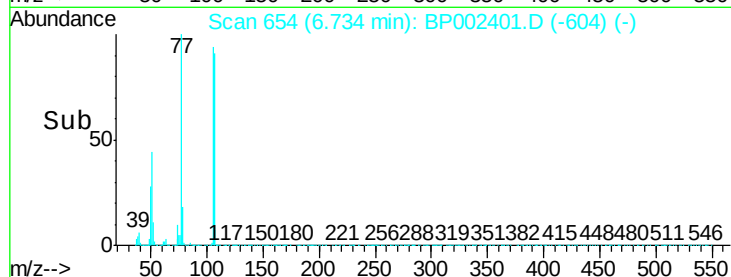
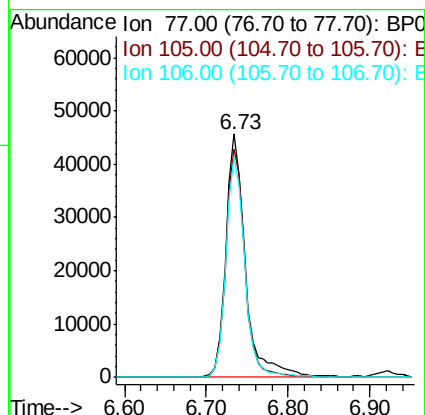
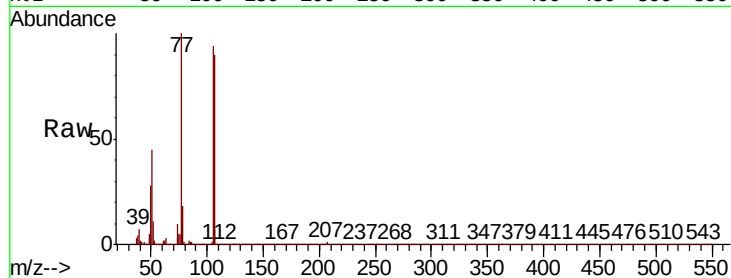
Tot Ion: 77 Resp: 76009

Ion Ratio Lower Upper

77 100

105 93.9 78.1 118.1

106 90.5 73.2 113.2



#10

Phenol

Concen: 8.361 ng

RT: 6.80 min Scan# 666

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

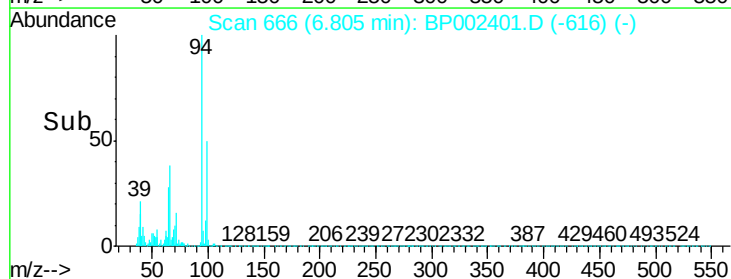
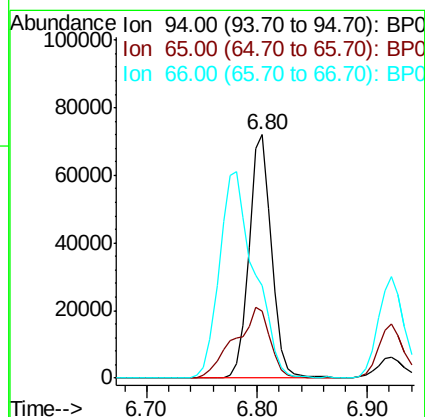
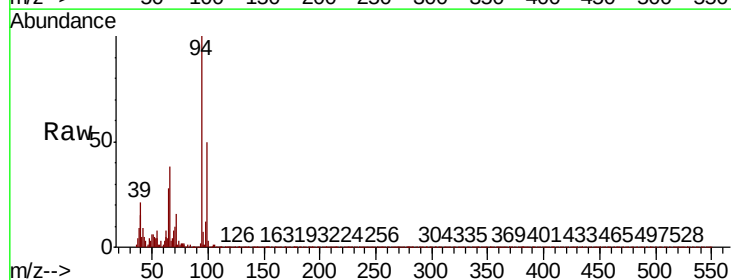
Tgt Ion: 94 Resp: 102394

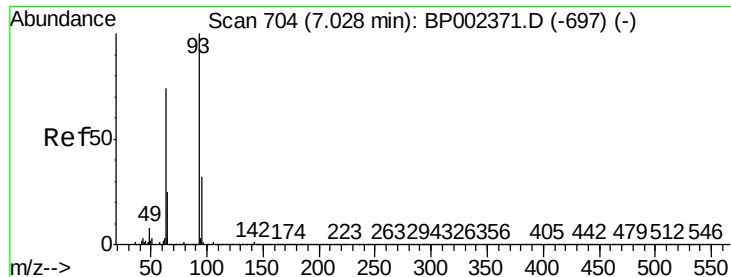
Ion Ratio Lower Upper

94 100

65 27.6 7.7 47.7

66 37.9 16.9 56.9

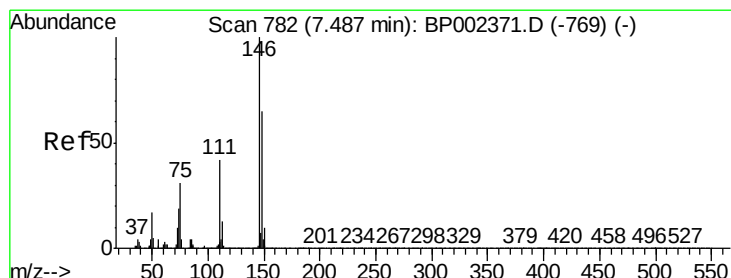
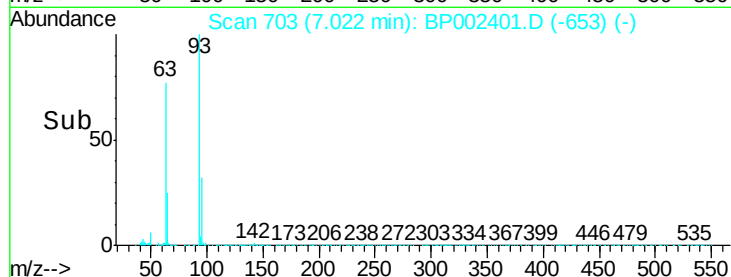
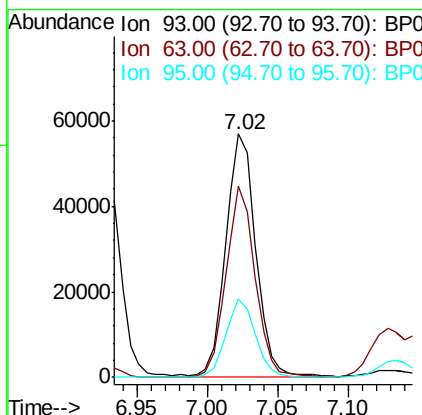
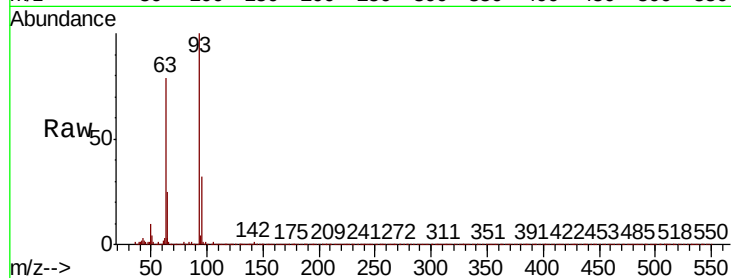




#11
bis(2-Chloroethyl)ether
Concen: 8.170 ng
RT: 7.02 min Scan# 703
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

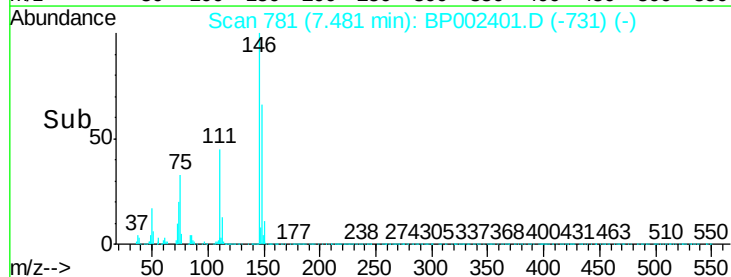
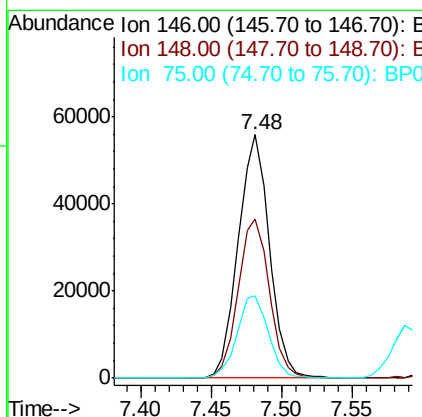
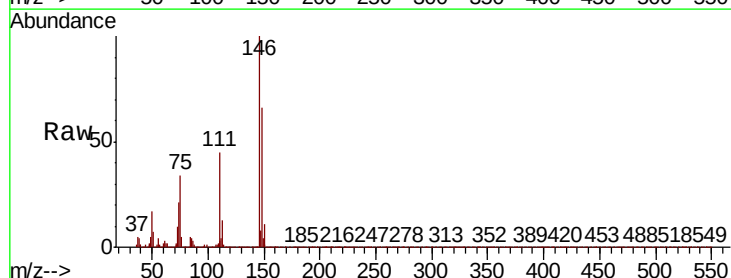
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

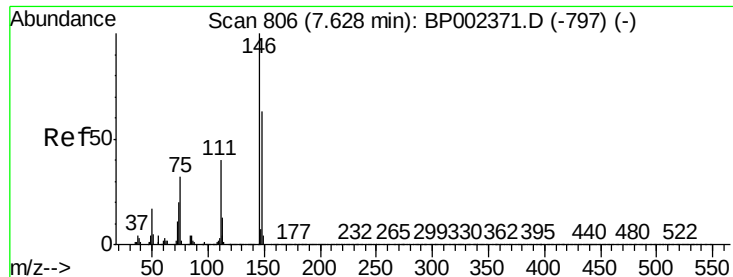
Tot Ion:	93	Resp:	83532
Ion	Ratio	Lower	Upper
93	100		
63	78.7	54.2	94.2
95	32.1	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 7.880 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:	146	Resp:	86528
Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.6	77.4
75	33.6	25.0	37.4





#13

1,4-Dichlorobenzene

Concen: 8.075 ng

RT: 7.62 min Scan# 805

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

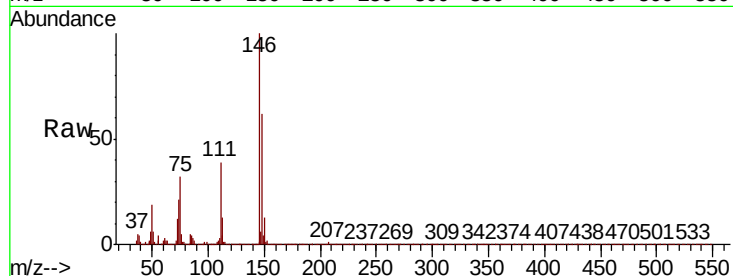
Tot Ion:146 Resp: 89214

Ion Ratio Lower Upper

146 100

148 62.2 50.7 76.1

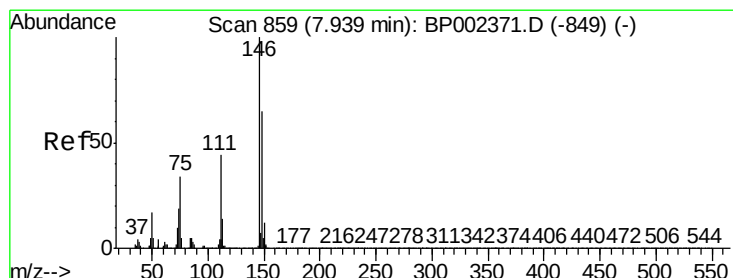
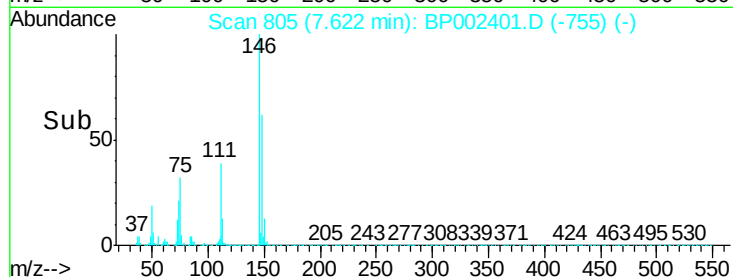
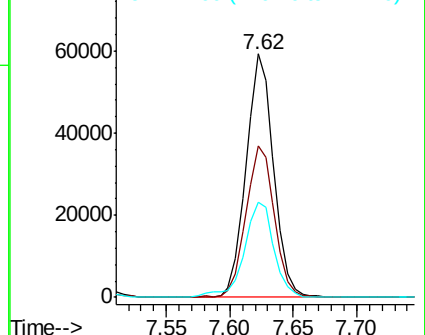
111 39.2 32.2 48.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 8.035 ng

RT: 7.94 min Scan# 859

Delta R.T. 0.00 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

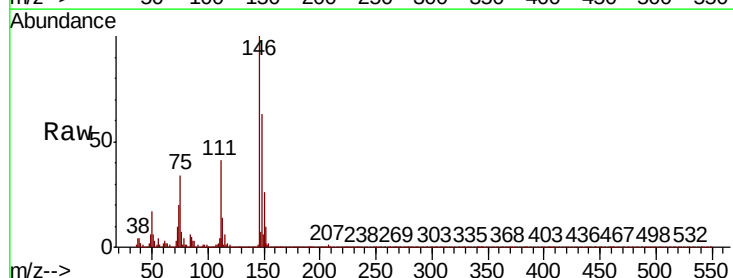
Tgt Ion:146 Resp: 85037

Ion Ratio Lower Upper

146 100

148 63.5 51.8 77.6

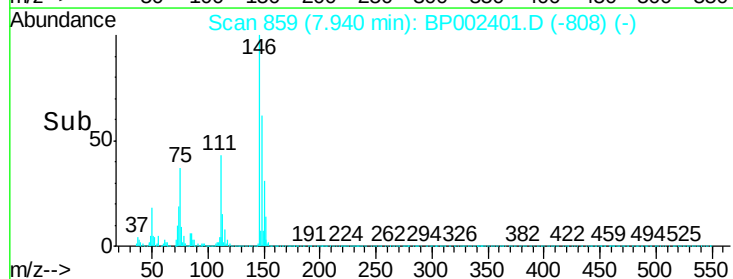
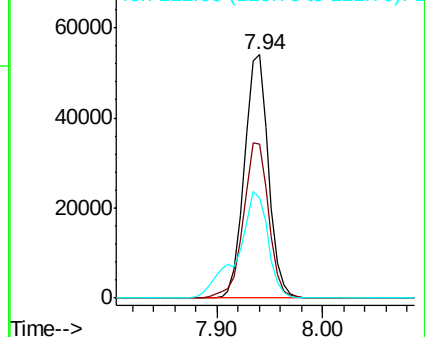
111 41.1 35.4 53.2

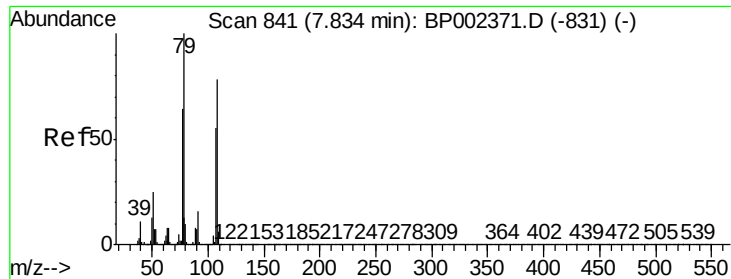


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

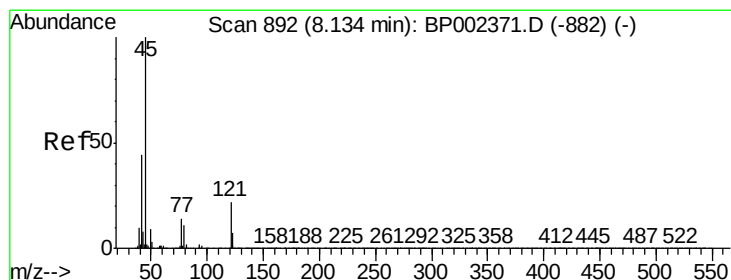
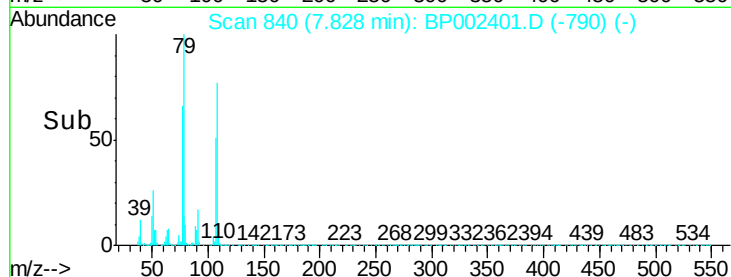
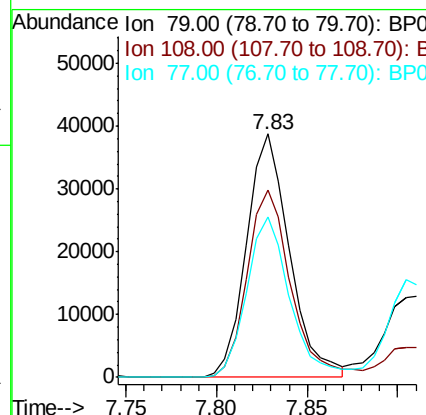
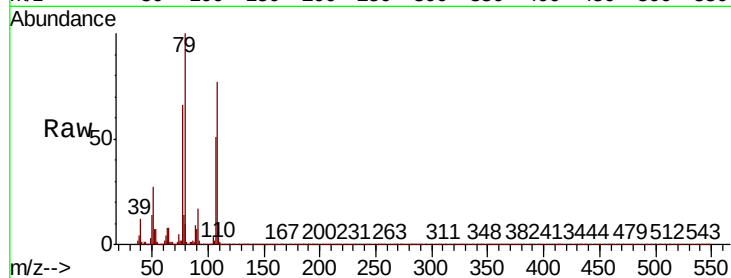




#15
Benzyl Alcohol
Concen: 7.273 ng
RT: 7.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

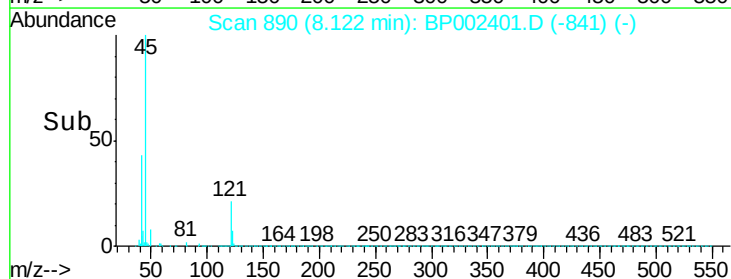
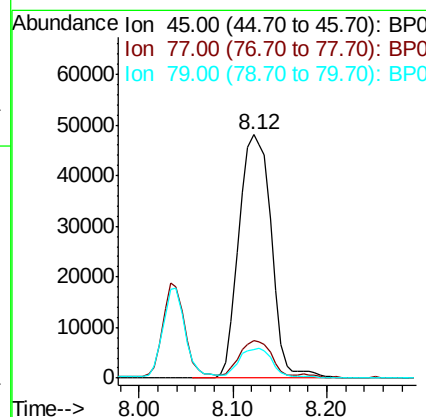
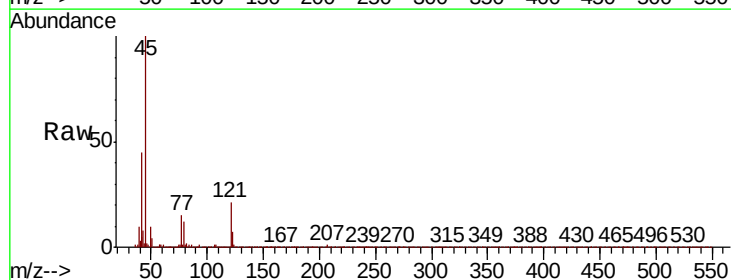
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

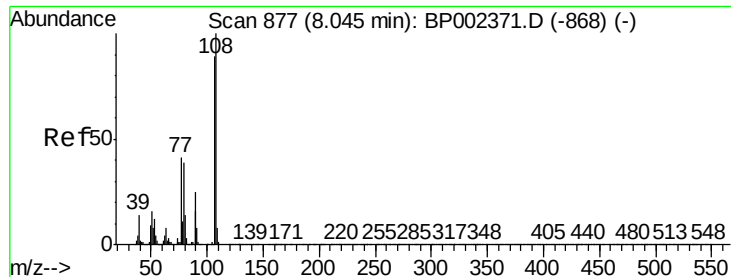
Tot Ion	Ratio	Lower	Upper
79	100		
108	76.9	62.6	94.0
77	66.0	51.5	77.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.905 ng
RT: 8.12 min Scan# 890
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	35.0
79	12.0	0.0	32.0





#17

2-Methylphenol

Concen: 7.436 ng

RT: 8.03 min Scan# 875

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:107 Resp: 66542

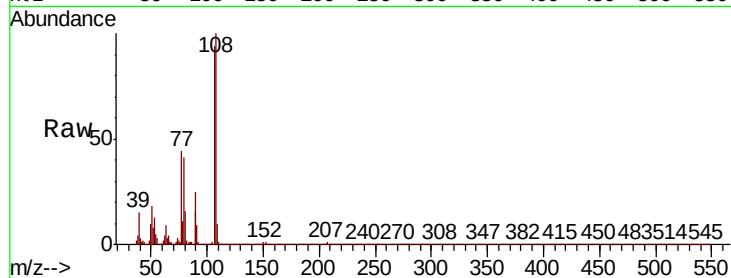
Ion Ratio Lower Upper

107 100

108 106.2 90.3 135.5

77 46.4 37.1 55.7

79 43.4 35.8 53.6

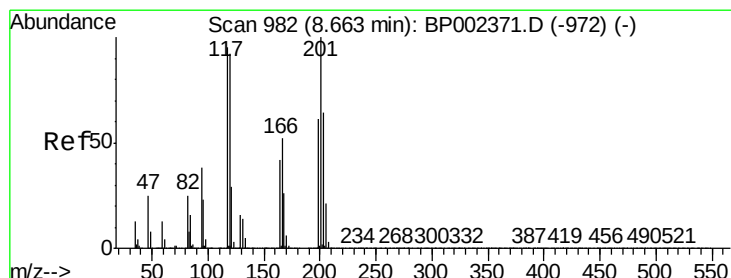
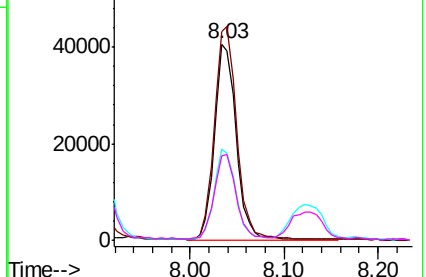
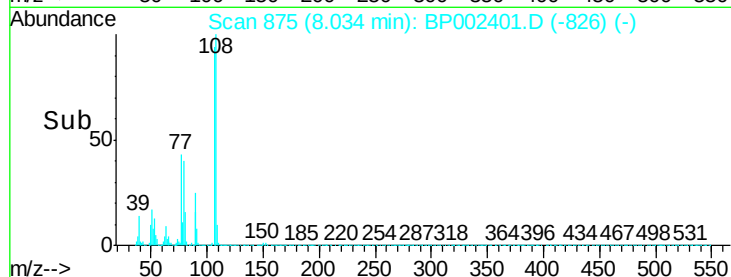


Abundance Ion 107.00 (106.70 to 107.70): E

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: 7.761 ng

RT: 8.66 min Scan# 981

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

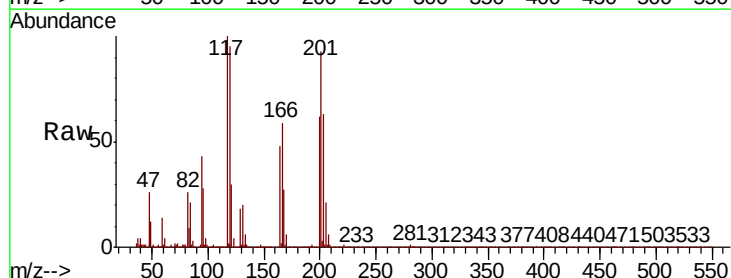
Tgt Ion:117 Resp: 31236

Ion Ratio Lower Upper

117 100

119 95.1 77.8 116.8

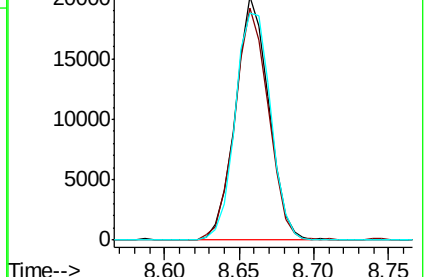
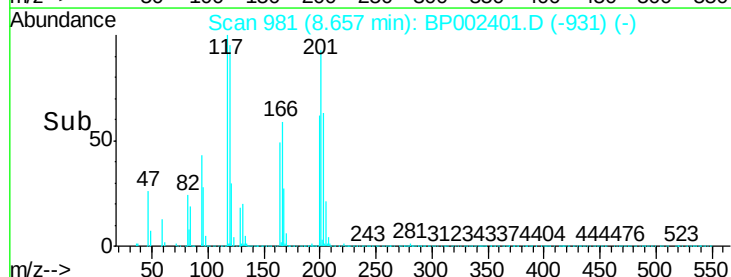
201 93.1 84.2 126.4

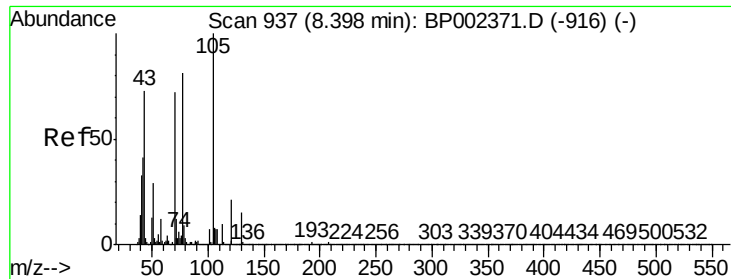


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

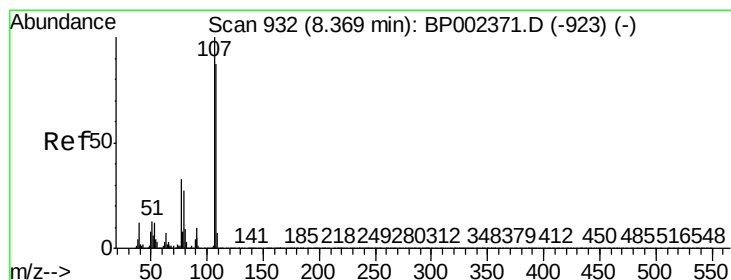
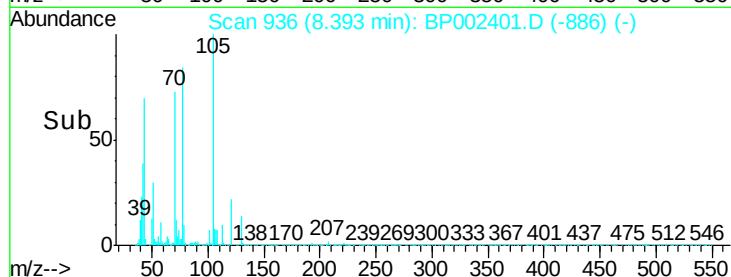
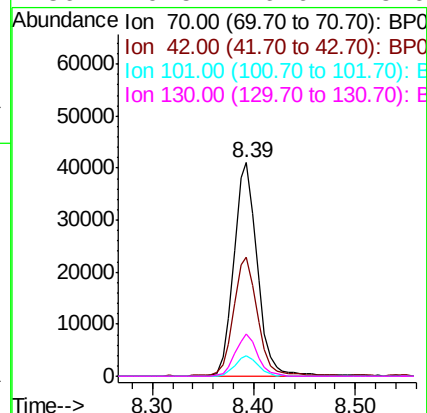
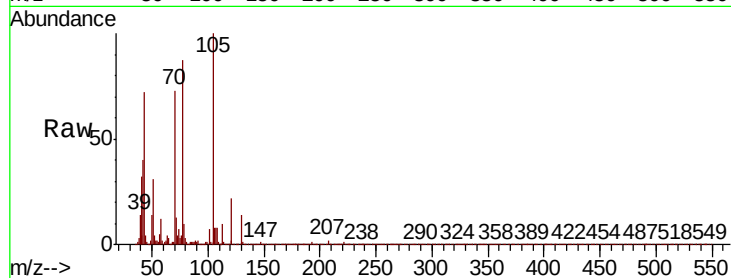




#19
n-Nitroso-di-n-propylamine
Concen: 8.700 ng
RT: 8.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

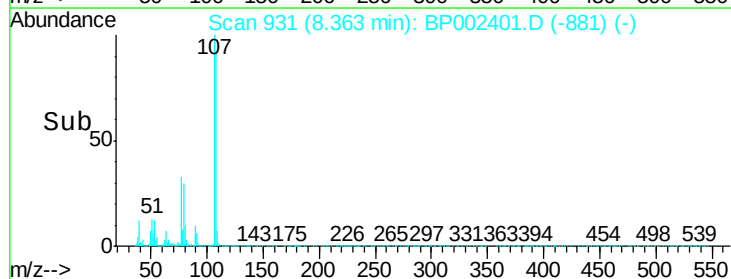
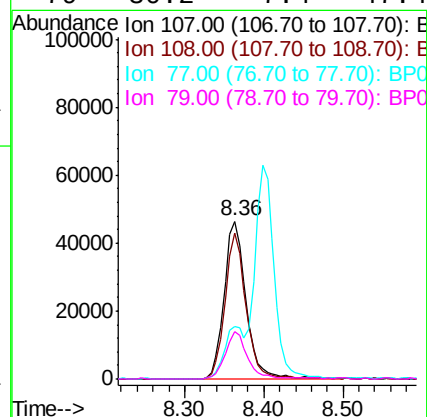
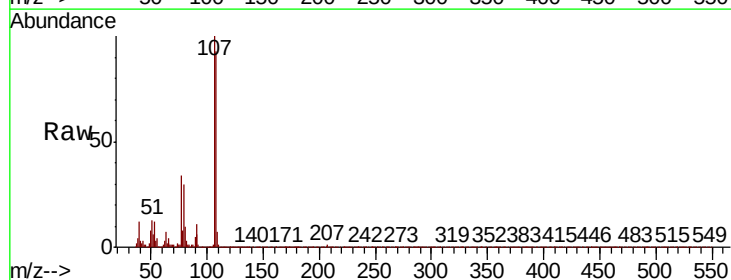
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

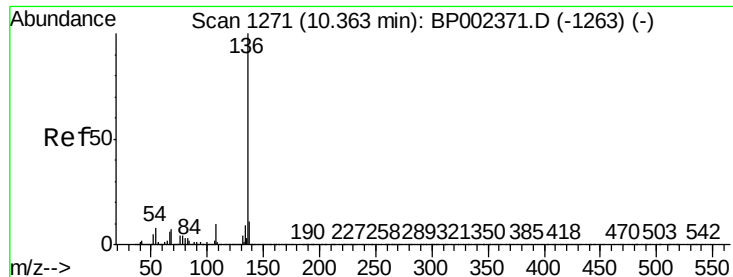
Tot Ion:	70	Resp:	65660
Ion	Ratio	Lower	Upper
70	100		
42	55.5	45.7	68.5
101	9.3	7.5	11.3
130	19.5	16.6	25.0



#20
3+4-Methylphenols
Concen: 7.365 ng
RT: 8.36 min Scan# 931
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:	107	Resp:	88944
Ion	Ratio	Lower	Upper
107	100		
108	92.9	67.5	107.5
77	33.7	13.5	53.5
79	30.2	7.4	47.4

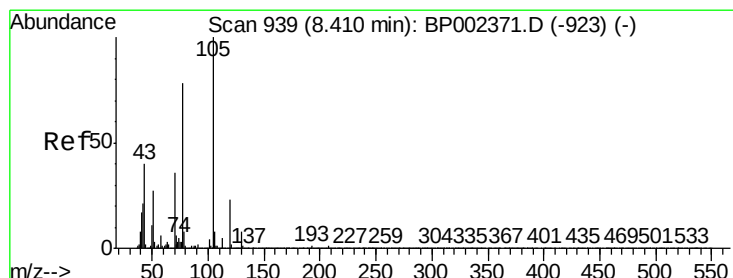
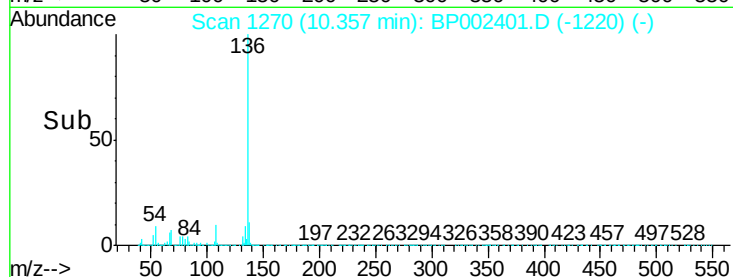
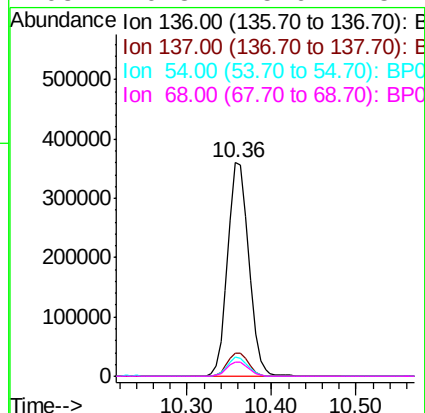
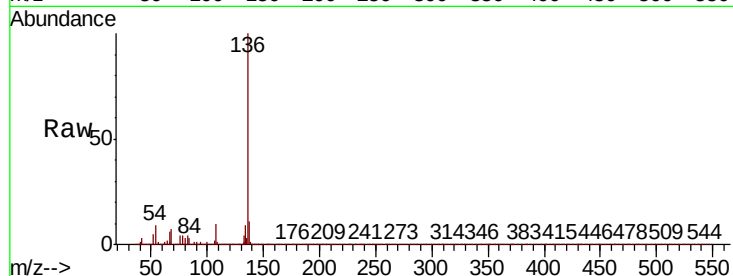




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

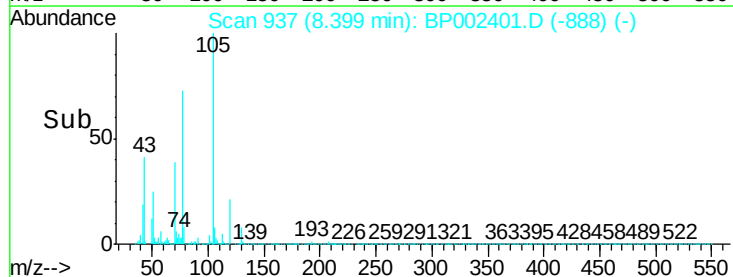
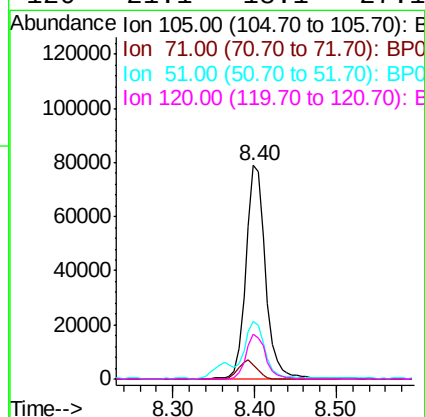
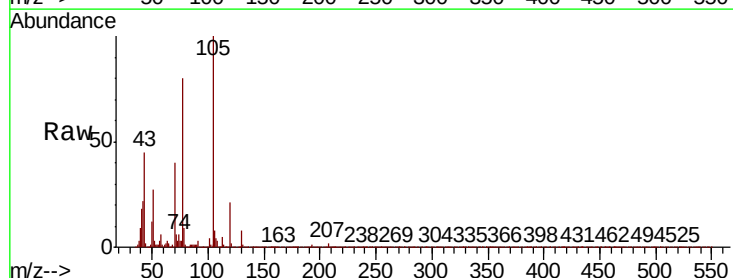
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

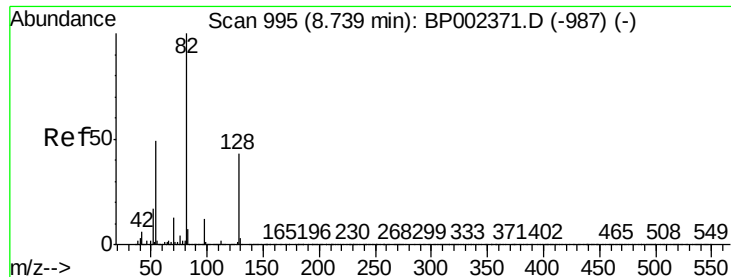
Tot Ion:136	Resp:	623064
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	8.7	6.4 9.6
68	6.8	5.6 8.4



#22
Acetophenone
Concen: 9.332 ng
RT: 8.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:105	Resp:	130631
Ion	Ratio	Lower Upper
105	100	
71	6.4	4.7 7.1
51	27.0	21.4 32.0
120	21.1	18.1 27.1

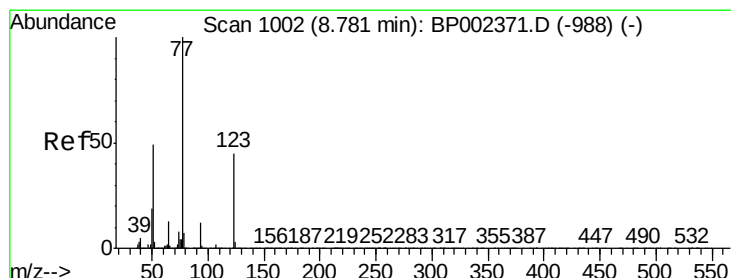
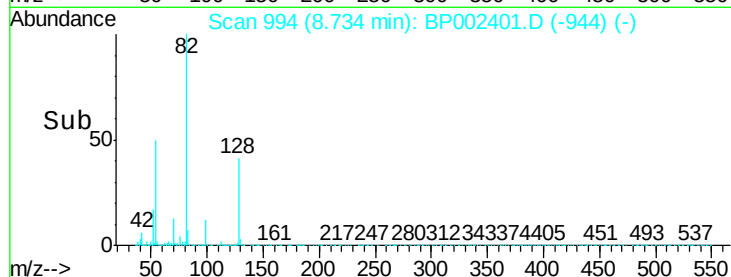
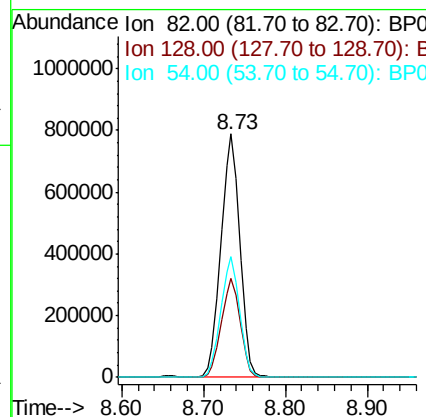
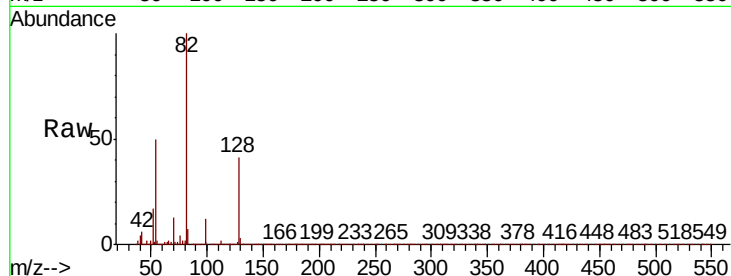




#23
Nitrobenzene-d5
Concen: 122.477 ng
RT: 8.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

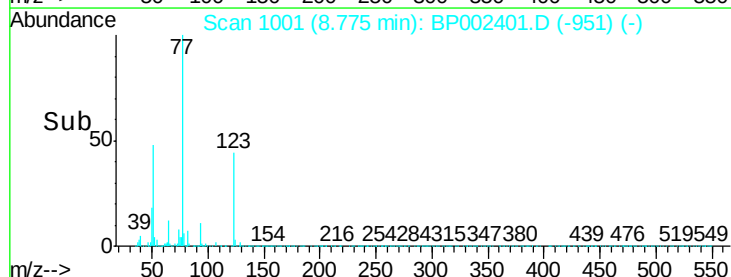
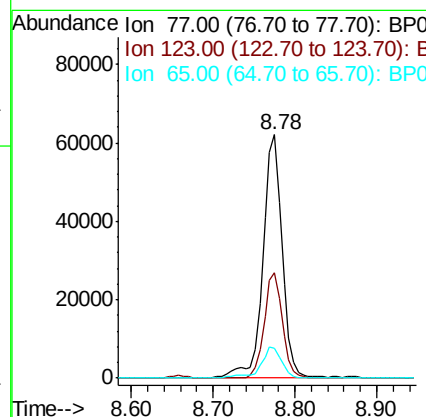
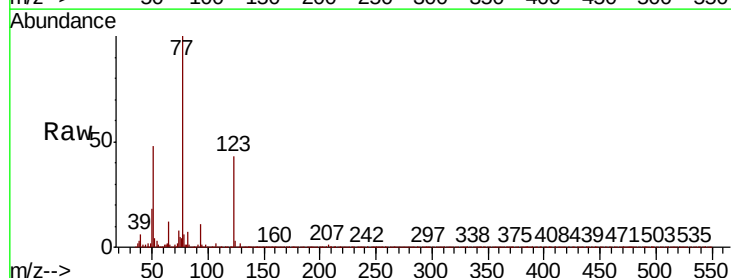
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

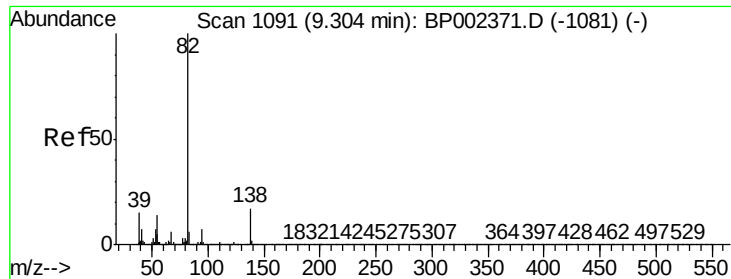
Tot Ion: 82 Resp: 1277836
Ion Ratio Lower Upper
82 100
128 40.6 34.5 51.7
54 49.7 39.4 59.2



#24
Nitrobenzene
Concen: 9.007 ng
RT: 8.78 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion: 77 Resp: 101012
Ion Ratio Lower Upper
77 100
123 43.4 35.8 53.8
65 12.2 10.5 15.7

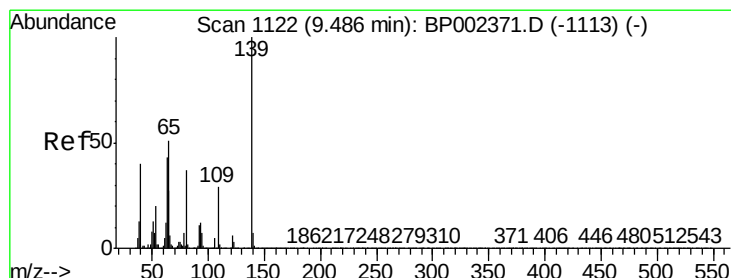
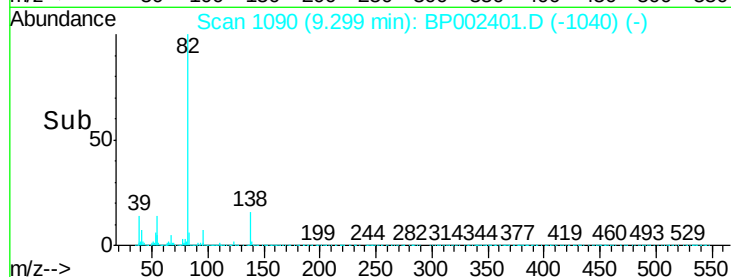
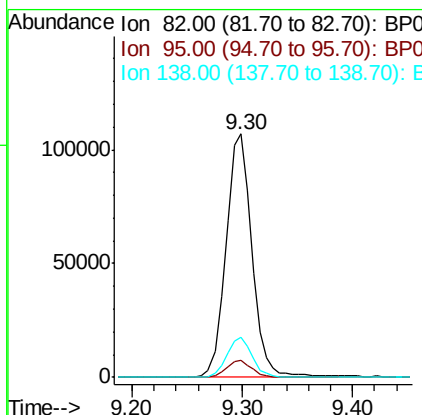
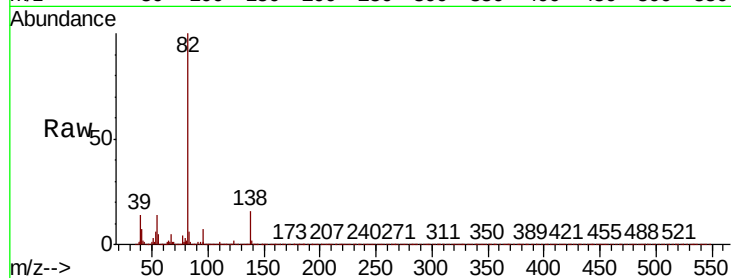




#25
Isophorone
Concen: 8.276 ng
RT: 9.30 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

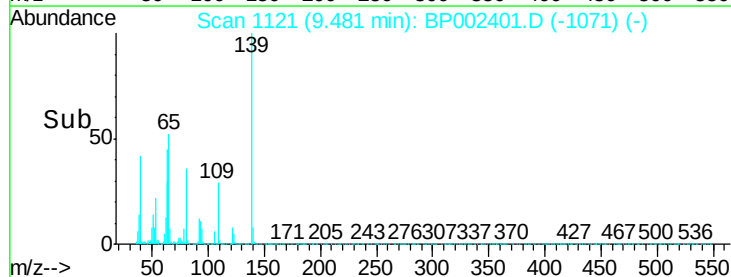
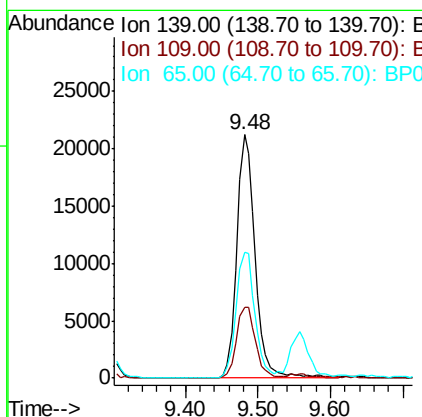
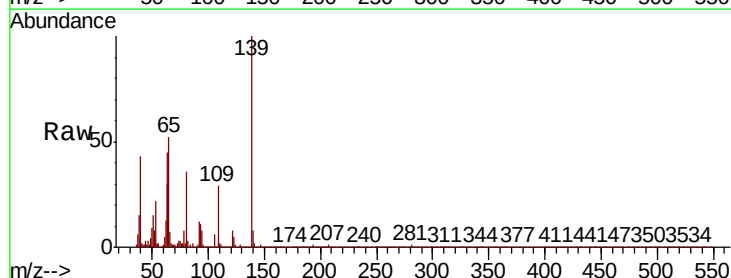
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

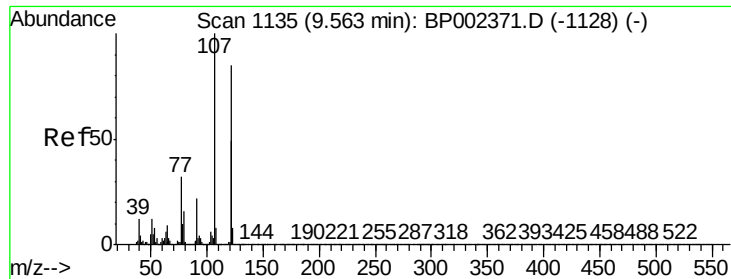
Tot Ion: 82 Resp: 175853
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.2
138 16.3 13.4 20.0



#26
2-Nitrophenol
Concen: 7.455 ng
RT: 9.48 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion: 139 Resp: 37255
Ion Ratio Lower Upper
139 100
109 29.2 23.4 35.2
65 51.8 41.1 61.7

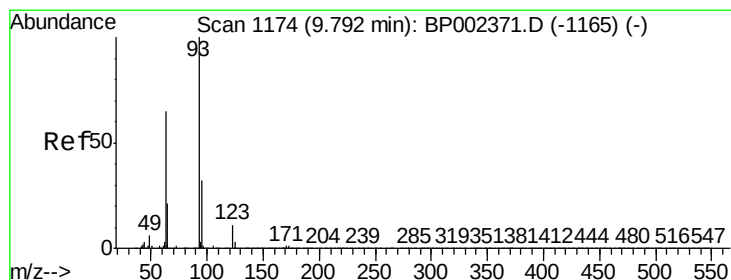
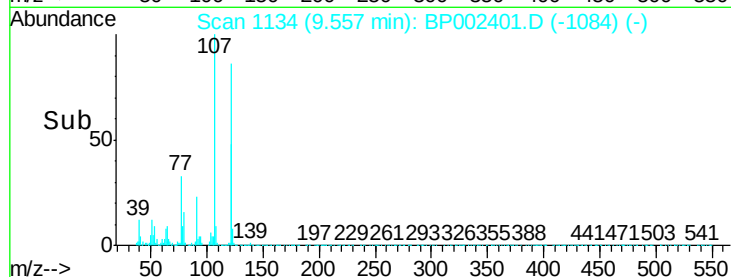
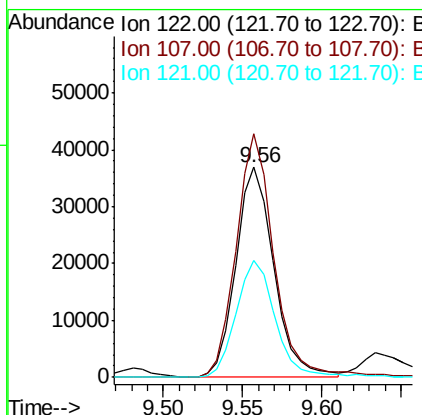
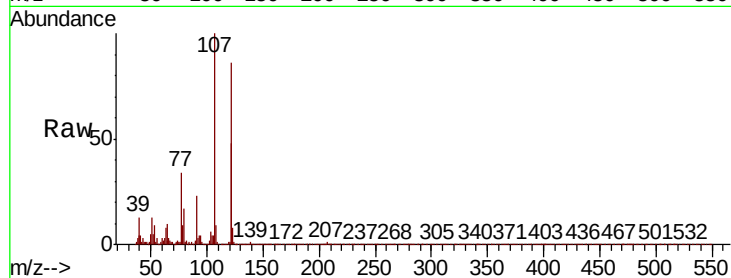




#27
2,4-Dimethylphenol
Concen: 7.809 ng
RT: 9.56 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

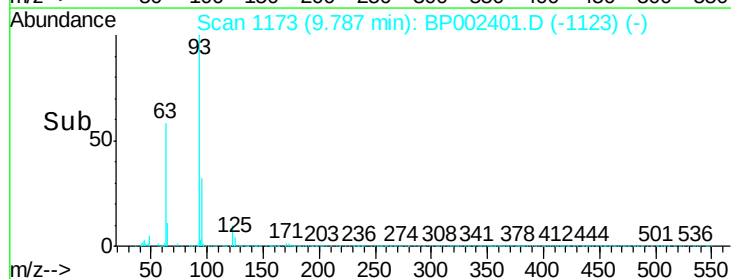
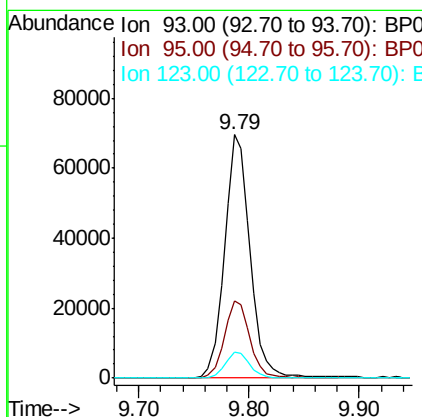
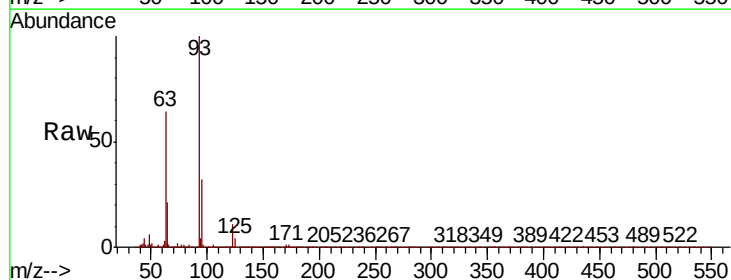
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

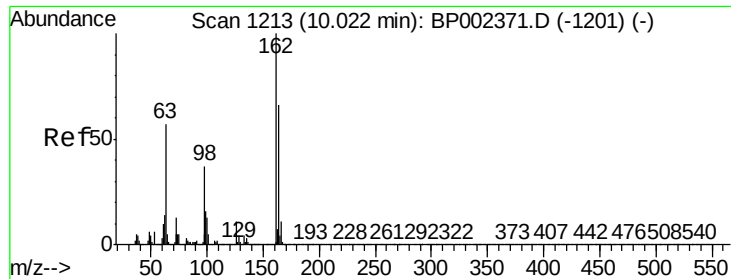
Tot Ion:122 Resp: 61224
Ion Ratio Lower Upper
122 100
107 116.1 94.0 141.0
121 56.0 46.4 69.6



#28
bis(2-Chloroethoxy)methane
Concen: 8.842 ng
RT: 9.79 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion: 93 Resp: 111913
Ion Ratio Lower Upper
93 100
95 31.7 25.8 38.8
123 10.8 8.7 13.1

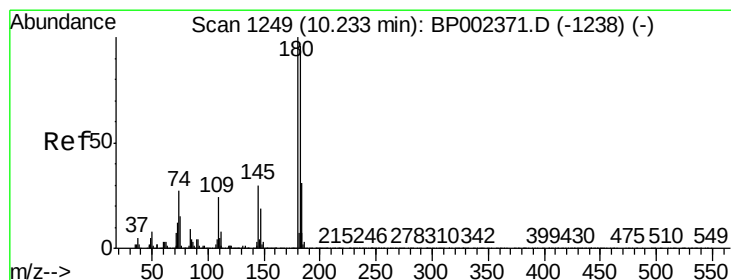
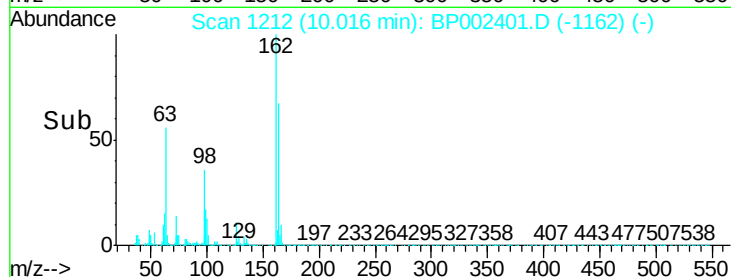
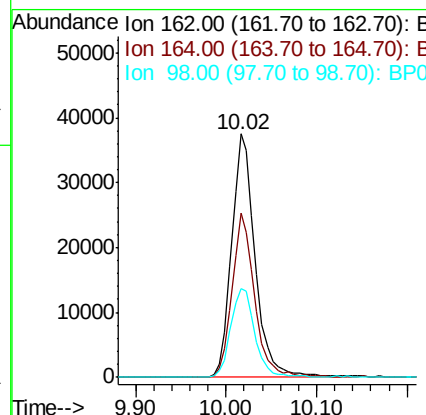
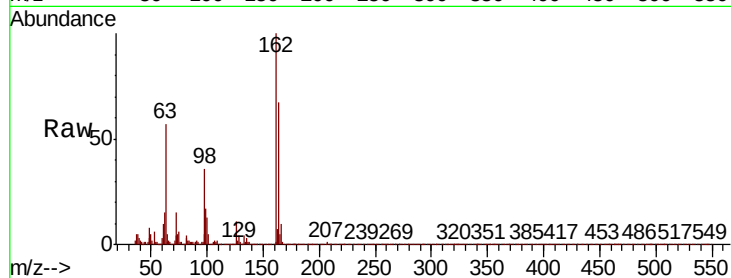




#29
2,4-Dichlorophenol
Concen: 7.650 ng
RT: 10.02 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

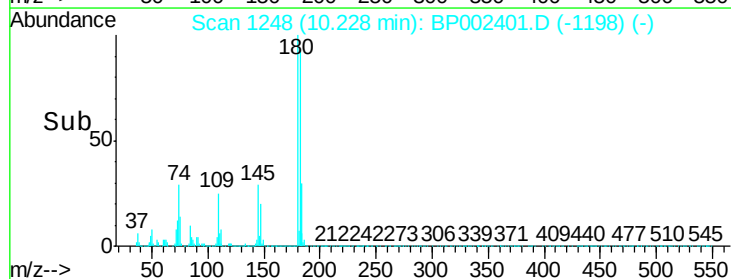
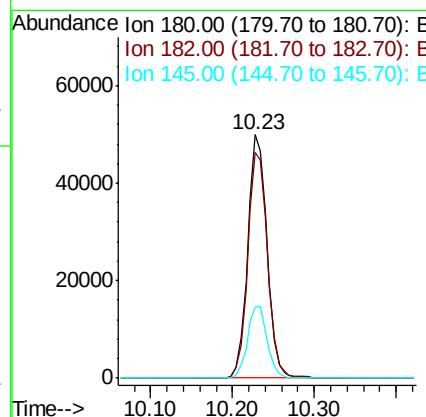
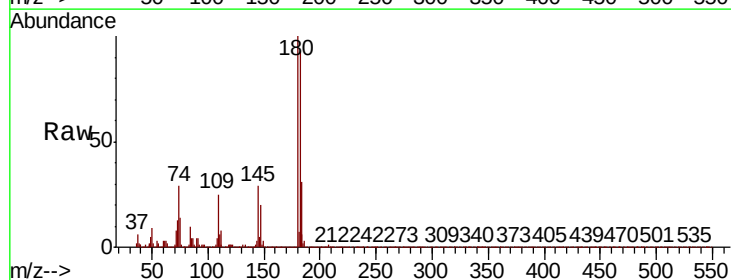
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

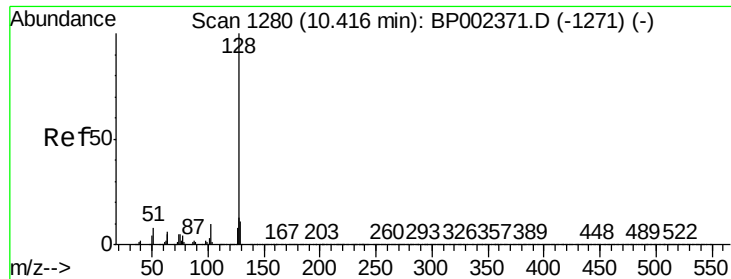
Tot Ion	Ratio	Lower	Upper
162	100		
164	67.4	45.5	85.5
98	36.2	16.6	56.6



#30
1,2,4-Trichlorobenzene
Concen: 8.293 ng
RT: 10.23 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.1	115.7
145	28.8	23.8	35.6

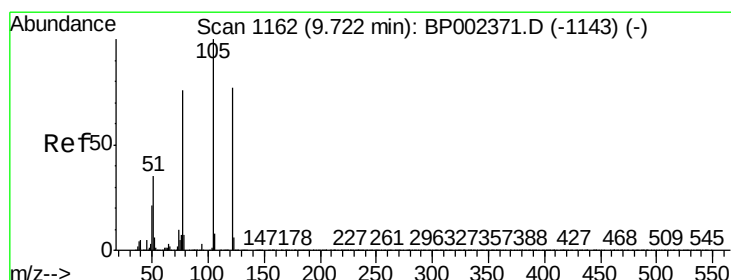
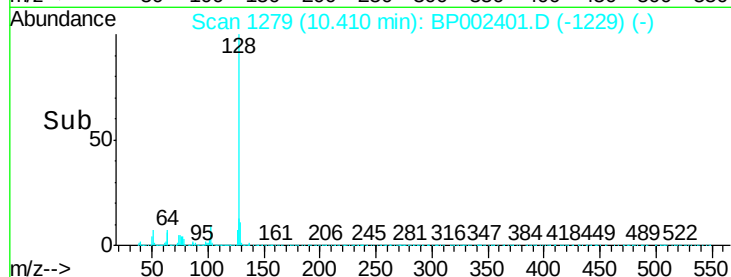
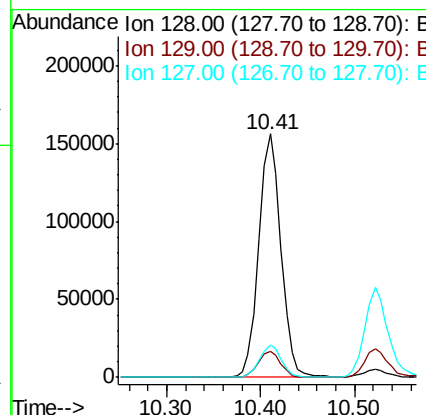
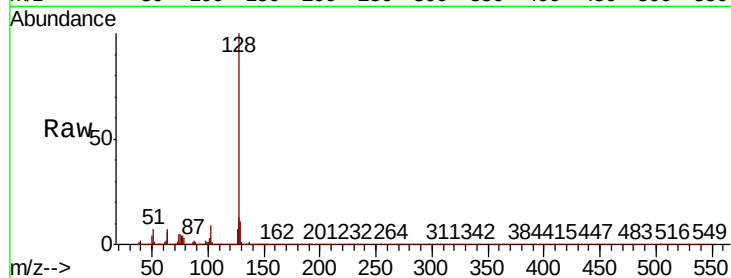




#31
Naphthalene
Concen: 8.817 ng
RT: 10.41 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

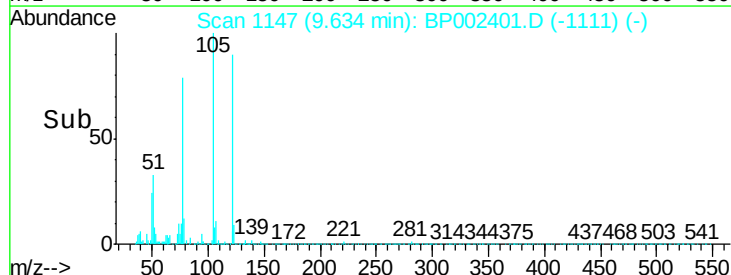
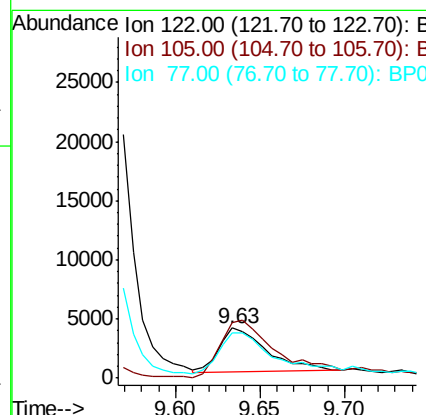
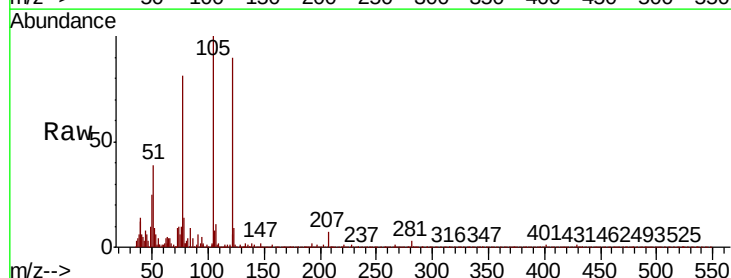
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

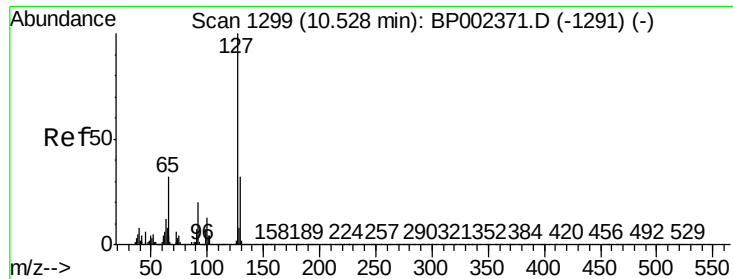
Tot Ion:	128	Resp:	255205
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	13.1	10.3	15.5



#32
Benzoic acid
Concen: 1.242 ng
RT: 9.63 min Scan# 1147
Delta R.T. -0.09 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:	122	Resp:	7409
Ion	Ratio	Lower	Upper
122	100		
105	111.2	106.3	146.3
77	89.6	77.5	117.5

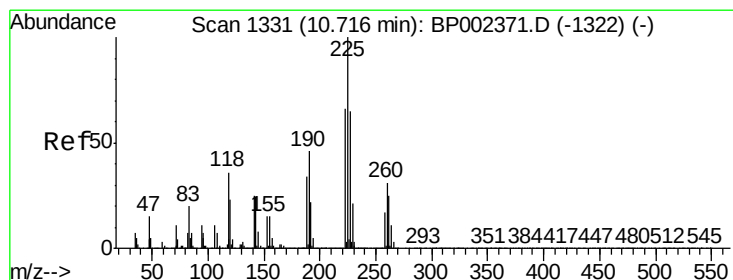
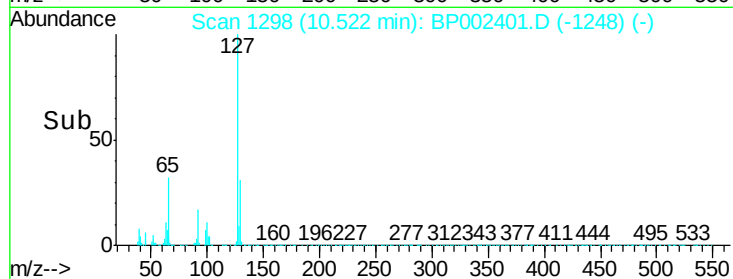
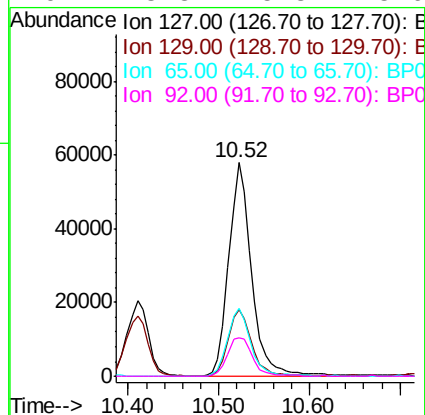
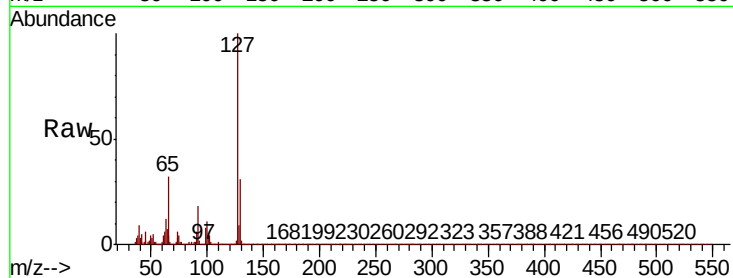




#33
4-Chloroaniline
Concen: 7.988 ng
RT: 10.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

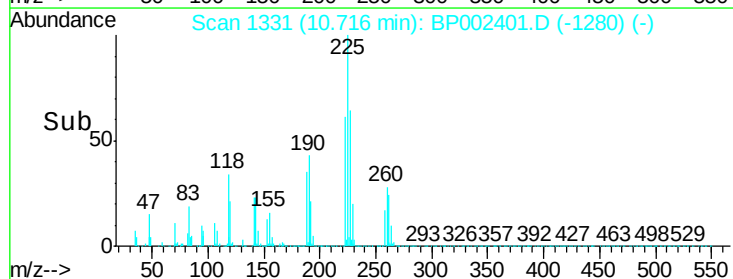
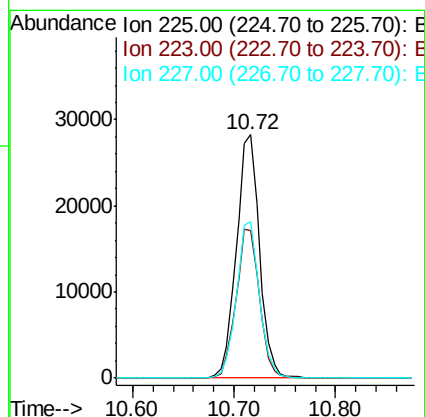
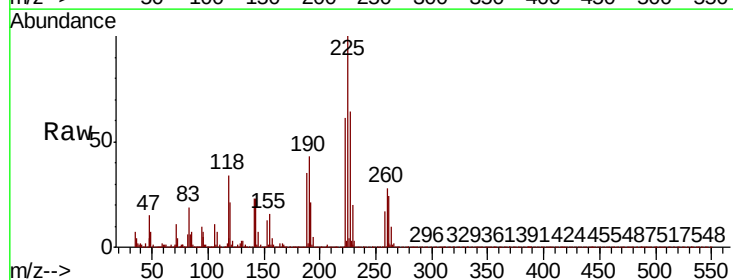
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

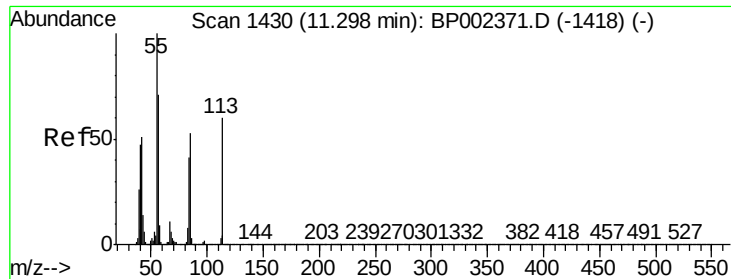
Tot Ion:	127	Resp:	100948
Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.4	38.2
65	31.9	25.3	37.9
92	18.3	15.8	23.6



#34
Hexachlorobutadiene
Concen: 7.792 ng
RT: 10.72 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:	225	Resp:	44735
Ion	Ratio	Lower	Upper
225	100		
223	60.8	52.6	78.8
227	64.1	52.2	78.2

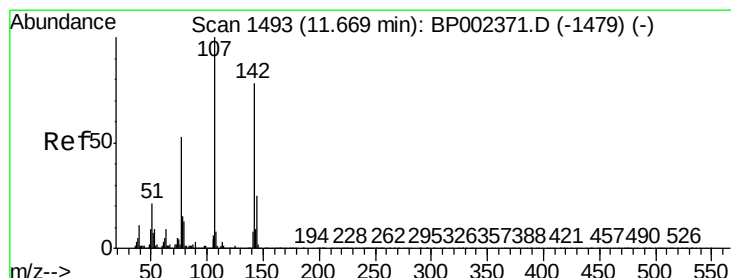
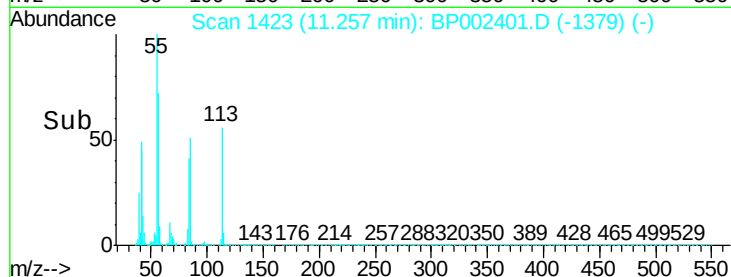
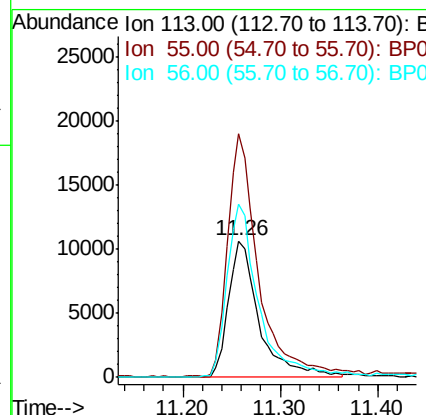
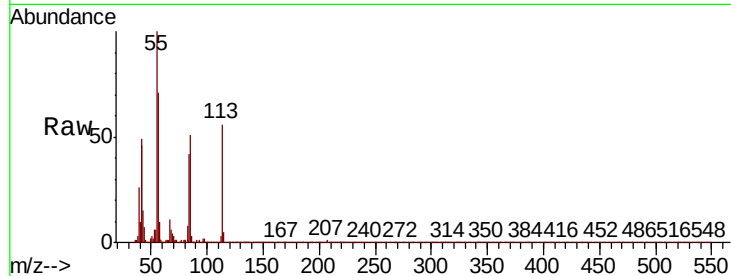




#35
Caprolactam
Concen: 7.485 ng
RT: 11.26 min Scan# 1423
Delta R.T. -0.04 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

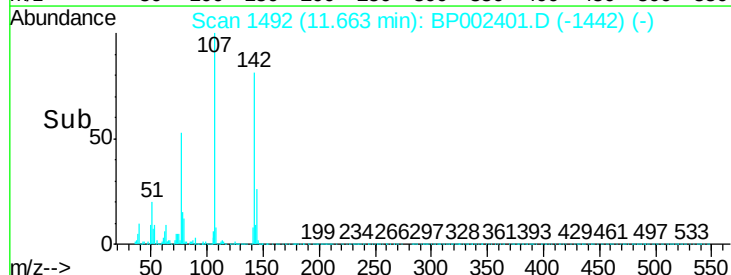
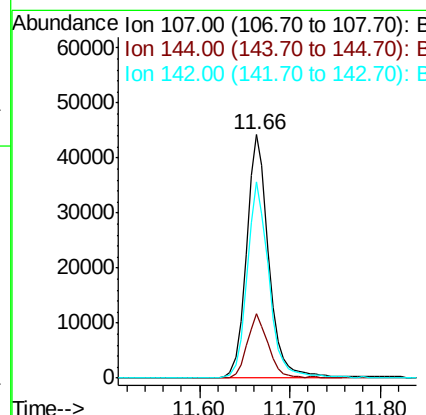
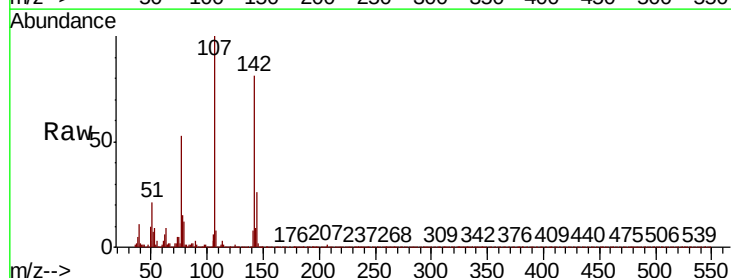
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

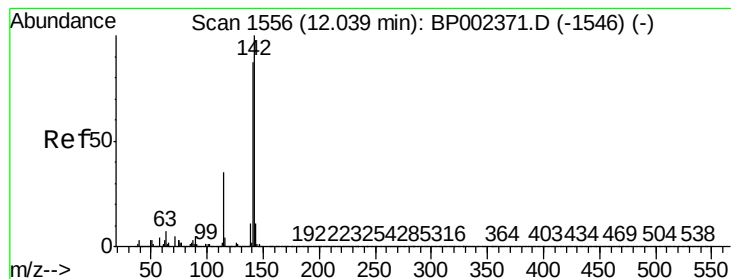
Tot Ion:113 Resp: 23298
Ion Ratio Lower Upper
113 100
55 178.4 147.9 187.9
56 126.8 99.9 139.9



#36
4-Chloro-3-methylphenol
Concen: 7.869 ng
RT: 11.66 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:107 Resp: 75138
Ion Ratio Lower Upper
107 100
144 26.3 20.4 30.6
142 80.6 62.2 93.4





#37

2-Methylnaphthalene

Concen: 8.889 ng

RT: 12.03 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

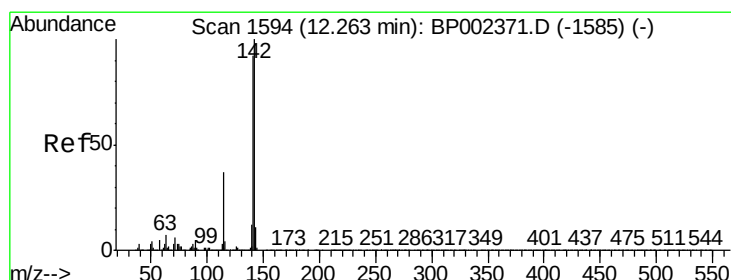
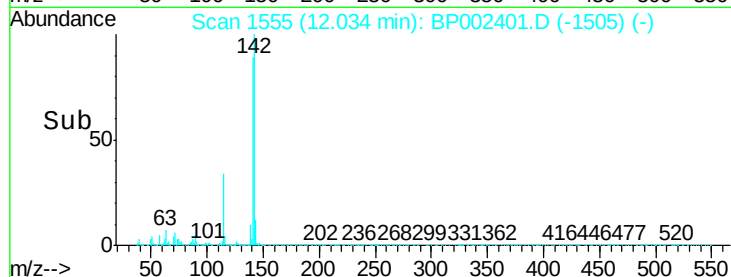
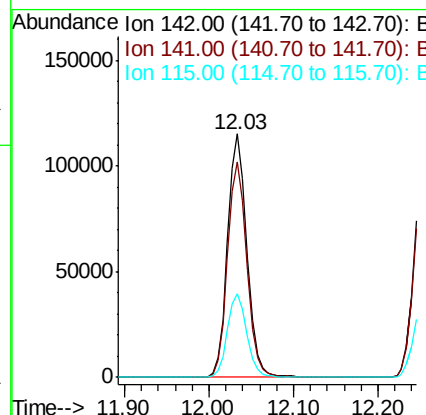
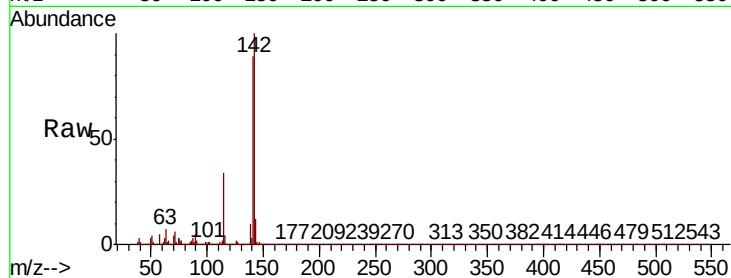
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:142	Resp:	182617
Ion Ratio	Lower	Upper
142	100	
141	88.6	69.7 104.5
115	34.2	27.8 41.8



#38

1-Methylnaphthalene

Concen: 8.915 ng

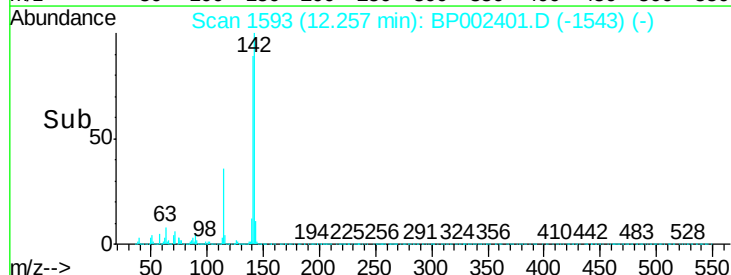
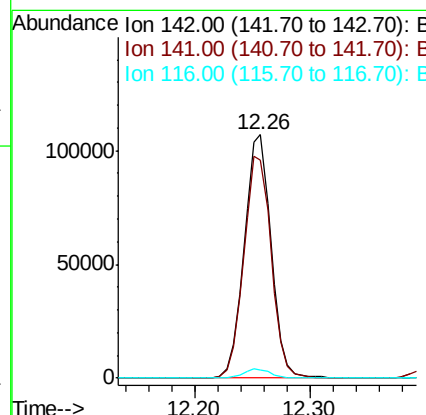
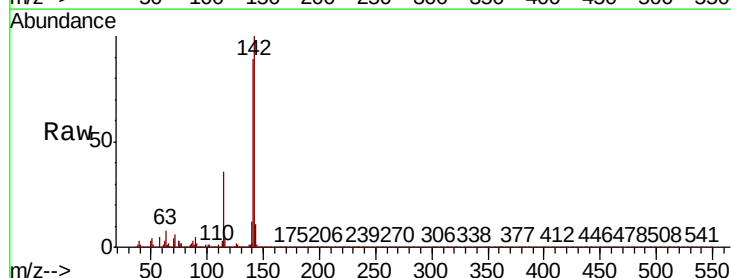
RT: 12.26 min Scan# 1593

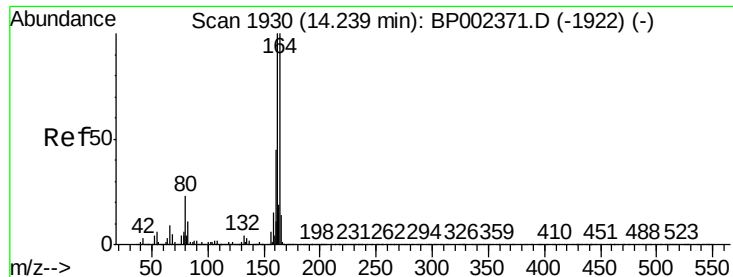
Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Tgt Ion:142	Resp:	171924
Ion Ratio	Lower	Upper
142	100	
141	89.4	73.6 110.4
116	3.5	3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

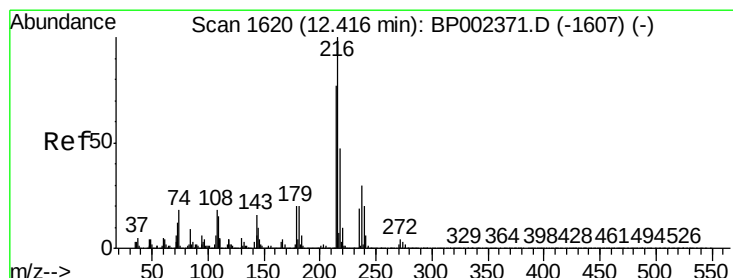
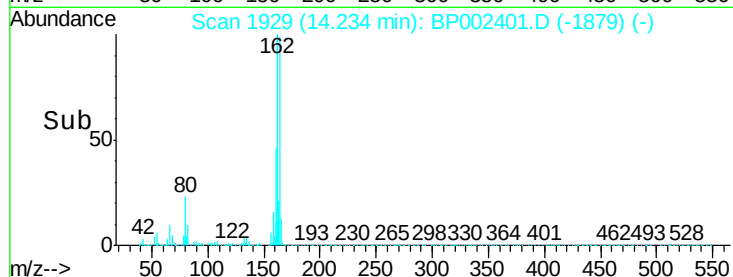
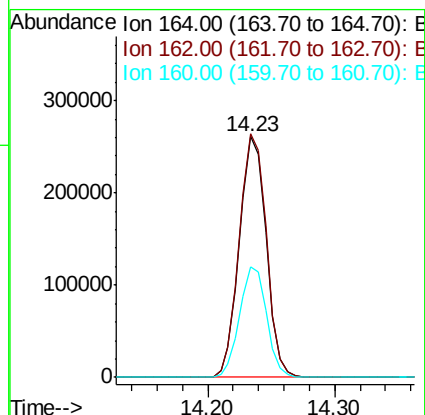
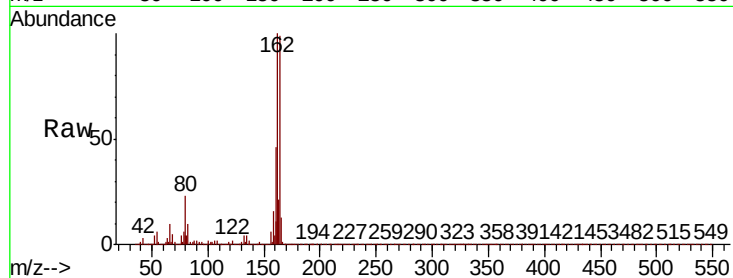
Tot Ion:164 Resp: 383484

Ion Ratio Lower Upper

164 100

162 101.3 79.8 119.8

160 46.2 36.2 54.2



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.156 ng

RT: 12.41 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Tgt Ion:216 Resp: 92553

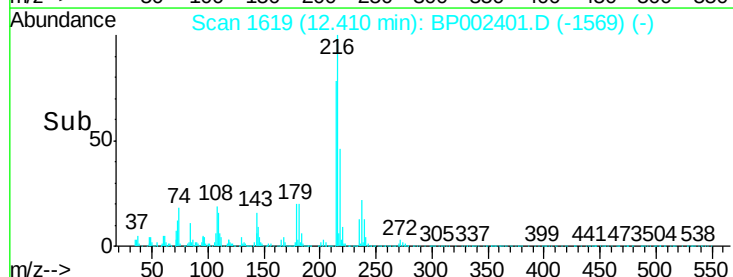
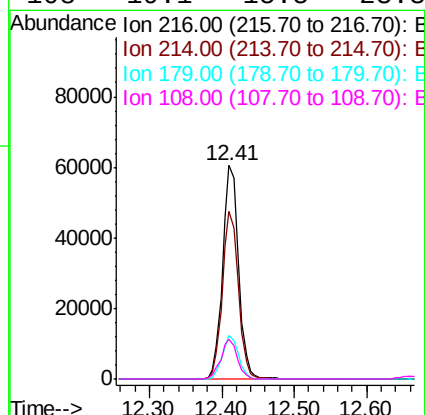
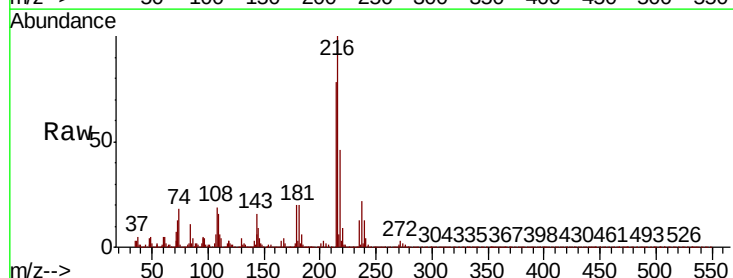
Ion Ratio Lower Upper

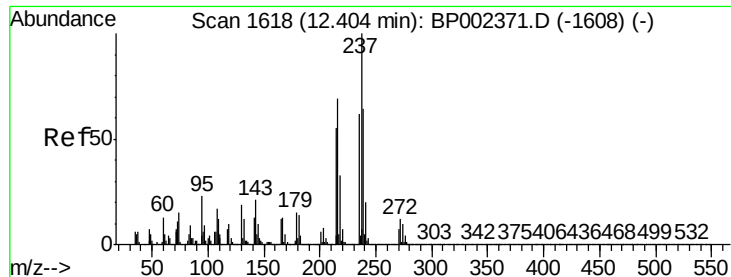
216 100

214 79.2 62.6 94.0

179 20.6 16.4 24.6

108 19.1 15.5 23.3





#41

Hexachlorocyclopentadiene

Concen: 6.731 ng

RT: 12.40 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

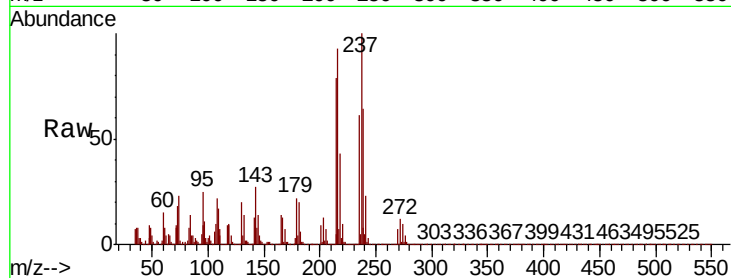
Tot Ion:237 Resp: 36176

Ion Ratio Lower Upper

237 100

235 61.0 42.0 82.0

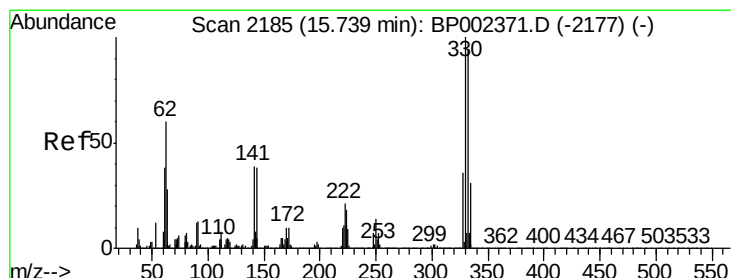
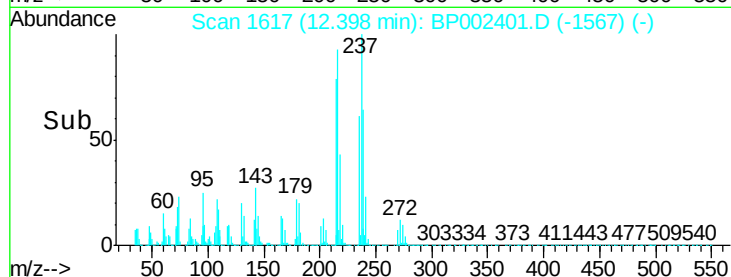
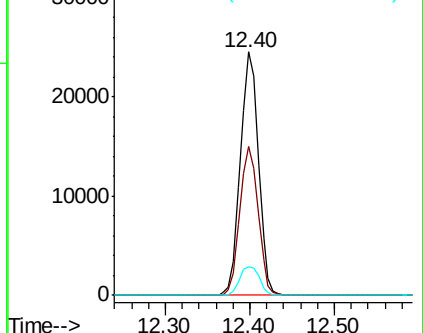
272 11.7 0.0 32.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 182.830 ng

RT: 15.73 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

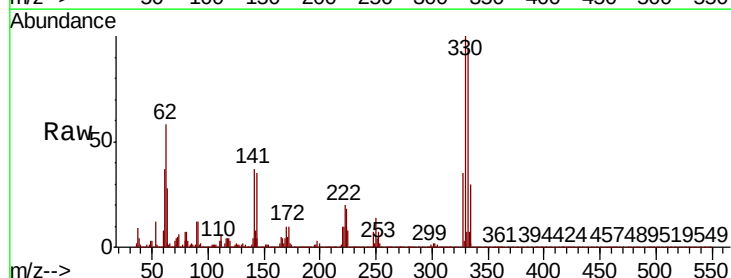
Tgt Ion:330 Resp: 671276

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

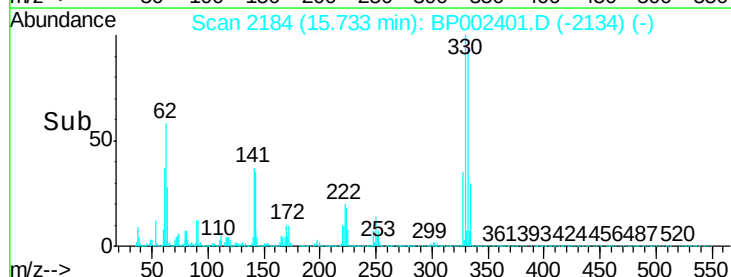
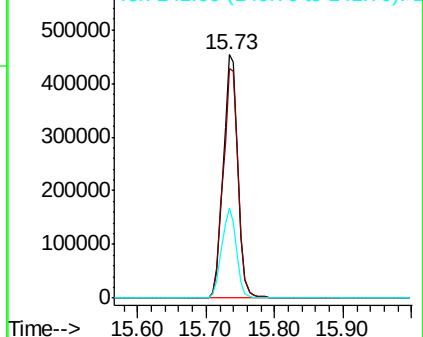
141 37.0 30.3 45.5

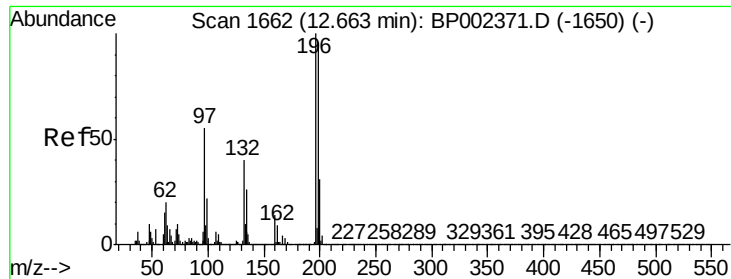


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

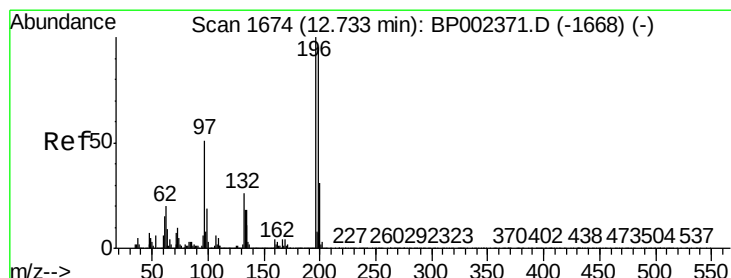
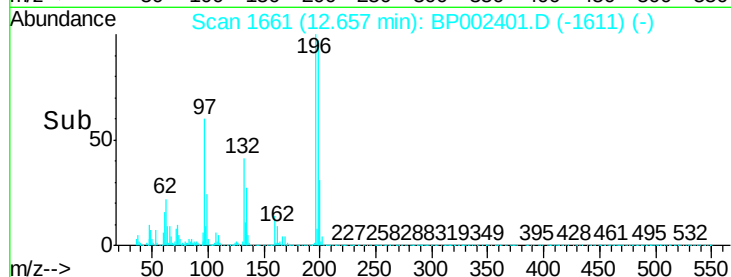
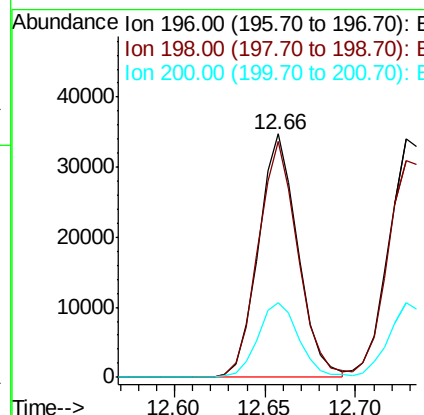
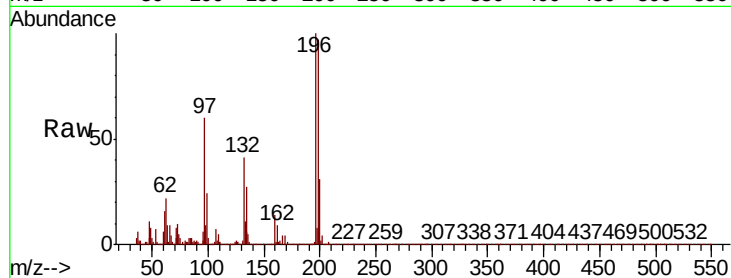




#43
2,4,6-Trichlorophenol
Concen: 7.311 ng
RT: 12.66 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

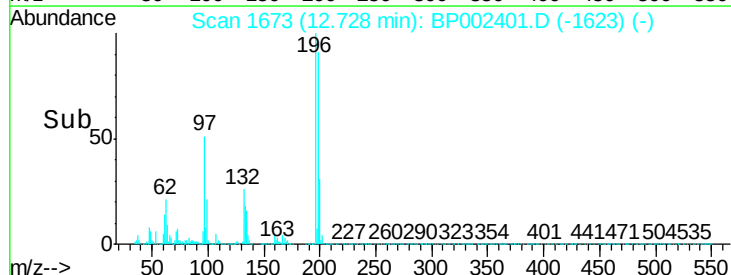
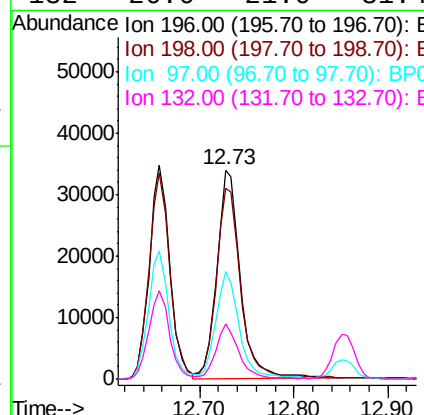
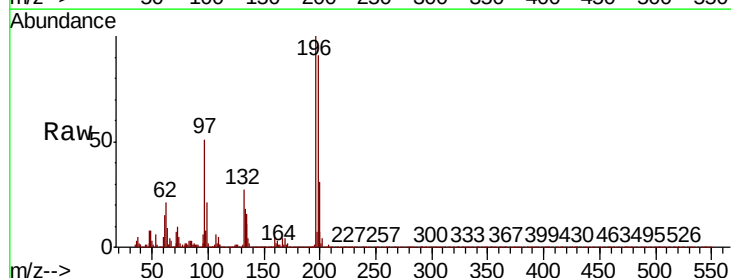
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

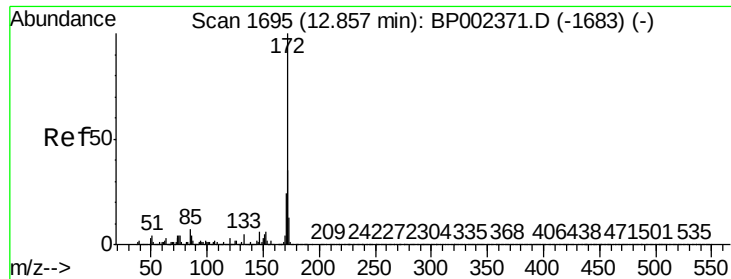
Tot Ion:196 Resp: 52306
Ion Ratio Lower Upper
196 100
198 96.7 76.6 115.0
200 30.9 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 7.174 ng
RT: 12.73 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:196 Resp: 59427
Ion Ratio Lower Upper
196 100
198 91.0 76.2 114.2
97 51.2 40.6 61.0
132 26.6 21.0 31.4

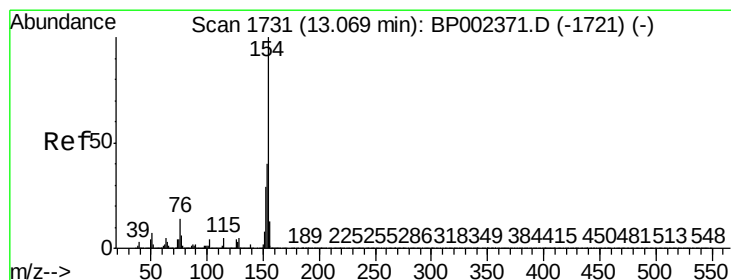
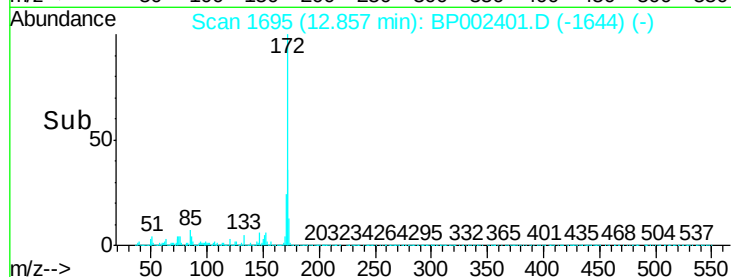
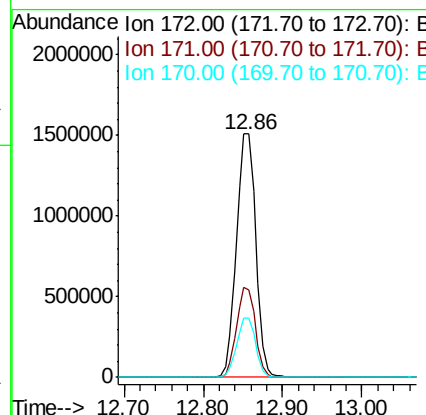
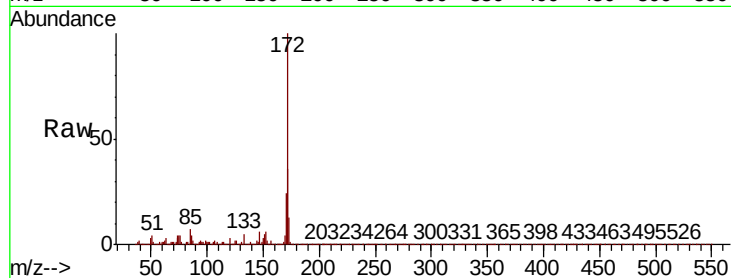




#45
2-Fluorobiphenyl
Concen: 112.111 ng
RT: 12.86 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

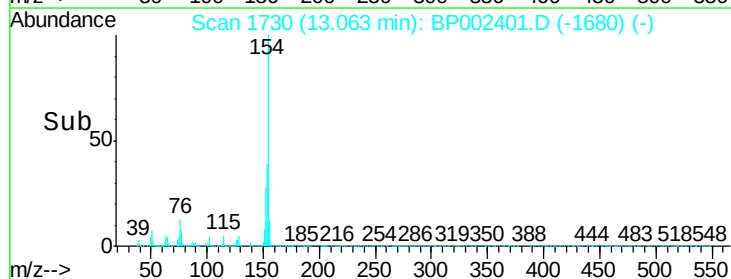
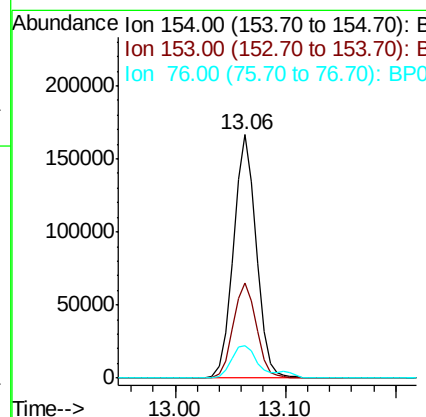
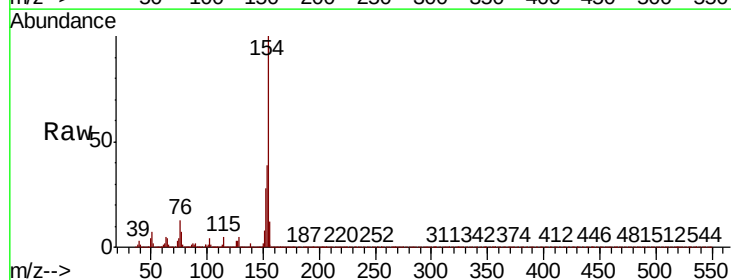
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

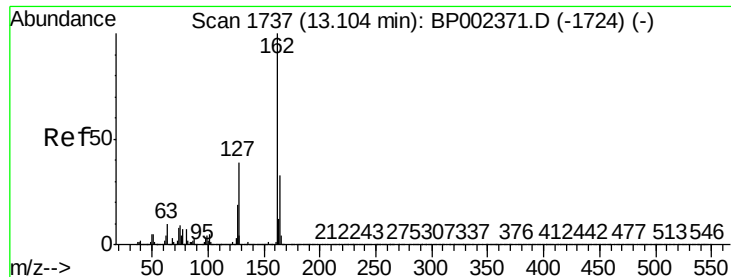
Tot Ion:172 Resp: 2556930
Ion Ratio Lower Upper
172 100
171 36.0 27.8 41.8
170 24.2 19.0 28.6



#46
1,1'-Biphenyl
Concen: 9.641 ng
RT: 13.06 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:154 Resp: 242309
Ion Ratio Lower Upper
154 100
153 39.3 20.2 60.2
76 13.4 0.0 34.2





#47

2-Chloronaphthalene

Concen: 8.673 ng

RT: 13.10 min Scan# 1736

Delta R.T. -0.01 min

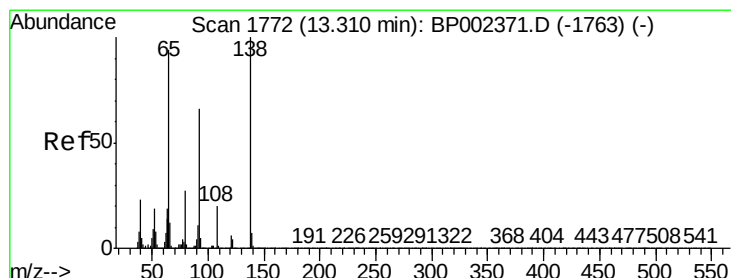
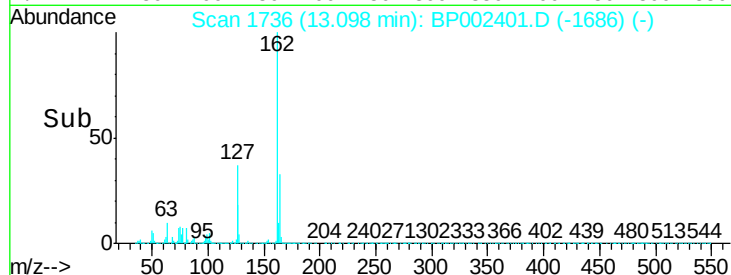
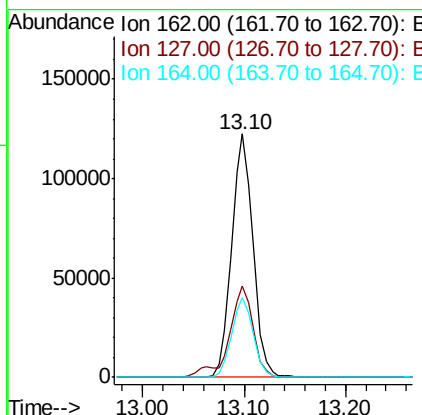
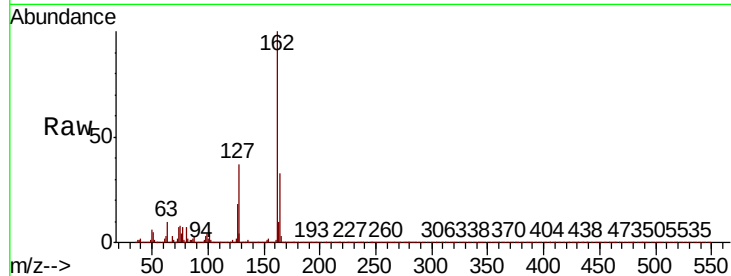
Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 162 Resp: 178299

Ion	Ratio	Lower	Upper
162	100		
127	37.3	31.0	46.4
164	32.5	26.6	40.0



#48

2-Nitroaniline

Concen: 6.970 ng

RT: 13.30 min Scan# 1771

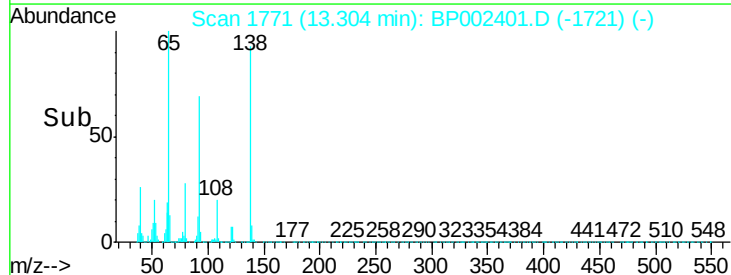
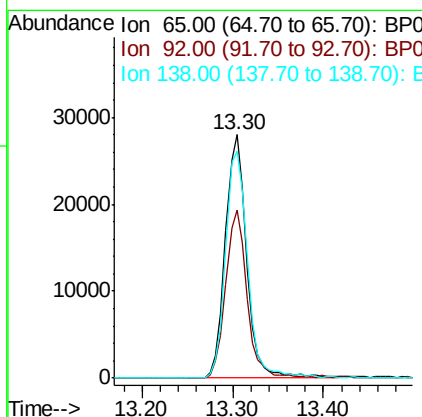
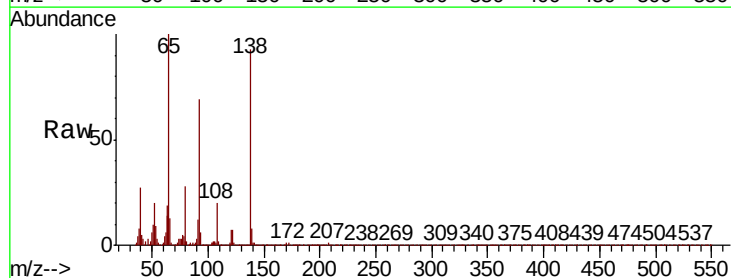
Delta R.T. -0.01 min

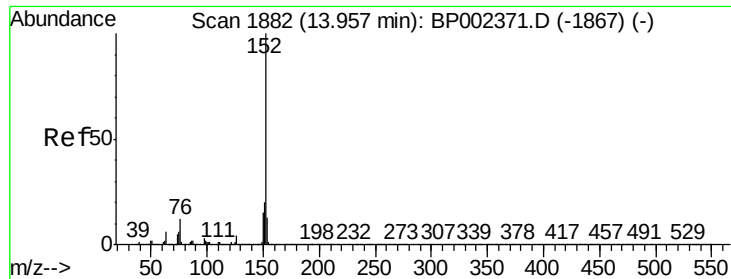
Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Tgt Ion: 65 Resp: 45744

Ion	Ratio	Lower	Upper
65	100		
92	68.9	56.3	84.5
138	93.1	85.0	127.6





#49

Acenaphthylene

Concen: 8.642 ng

RT: 13.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

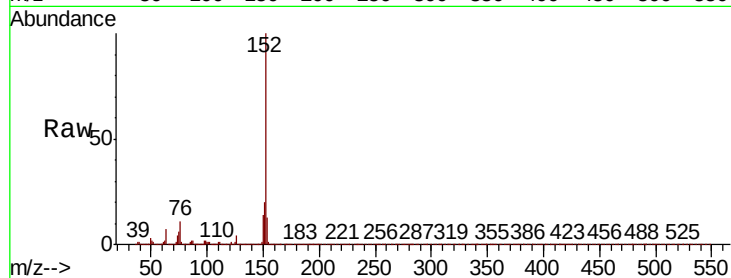
Tot Ion:152 Resp: 283559

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

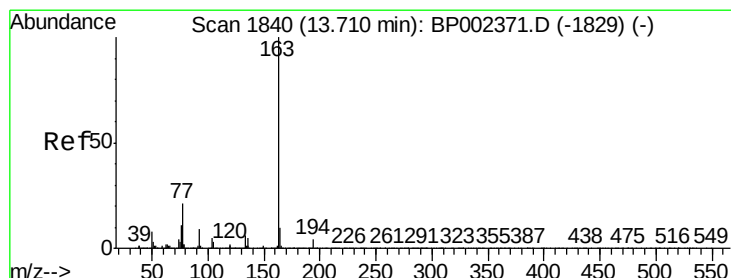
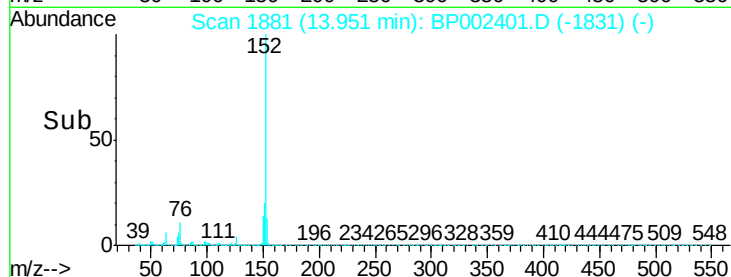
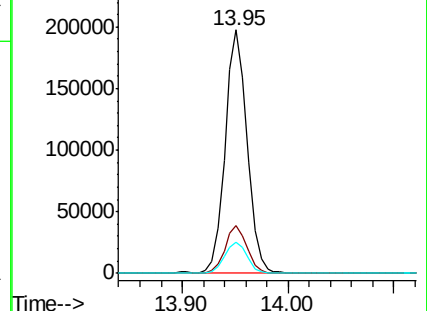
153 12.7 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.322 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

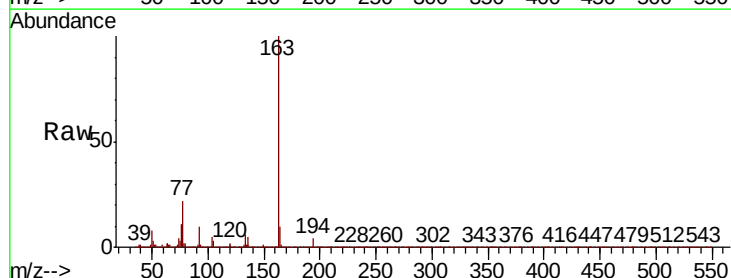
Tgt Ion:163 Resp: 218684

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

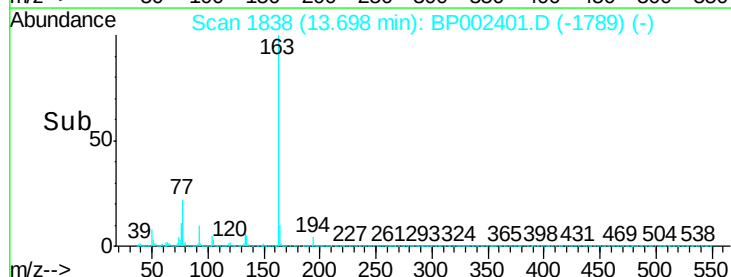
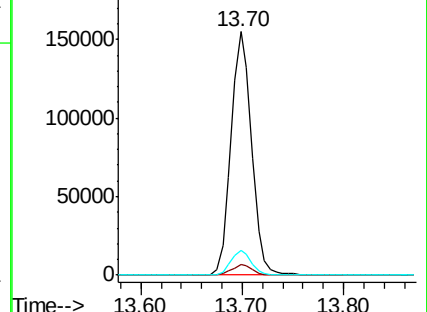
164 10.2 8.1 12.1

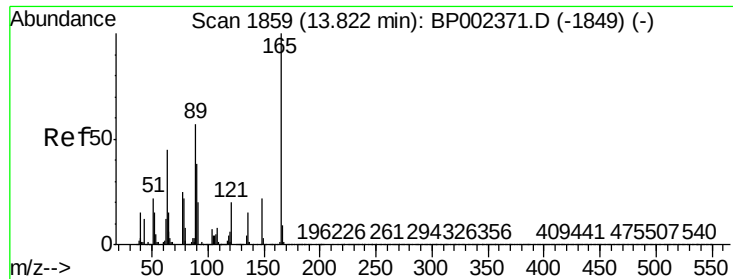


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

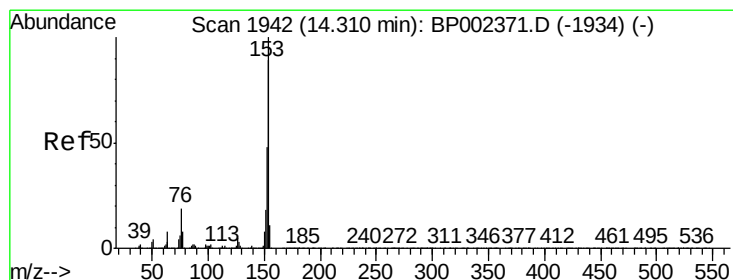
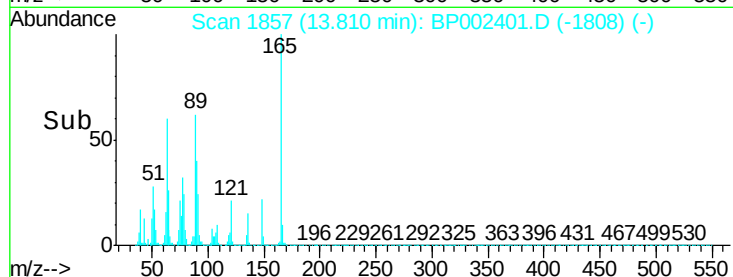
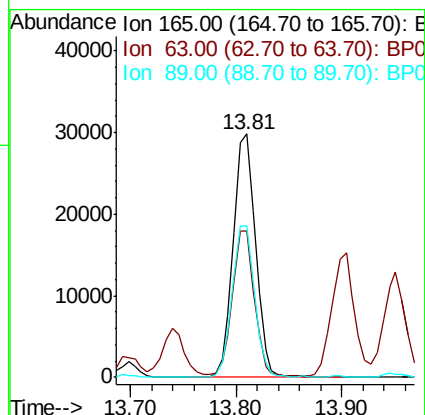
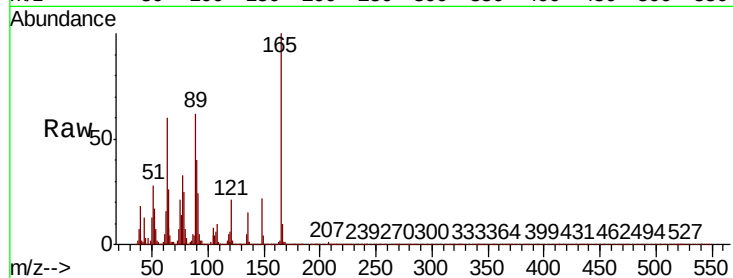




#51
2,6-Dinitrotoluene
Concen: 7.602 ng
RT: 13.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

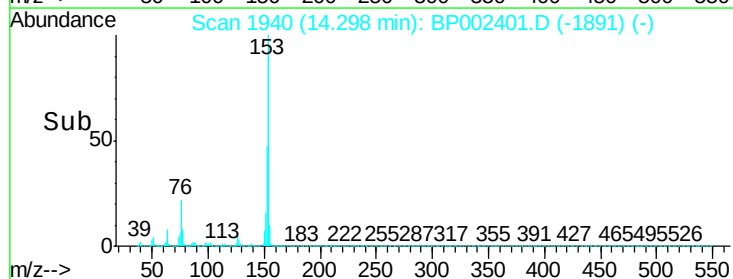
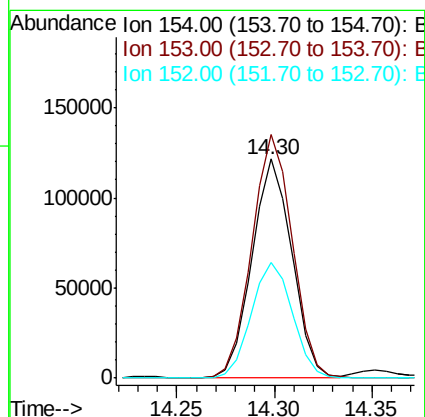
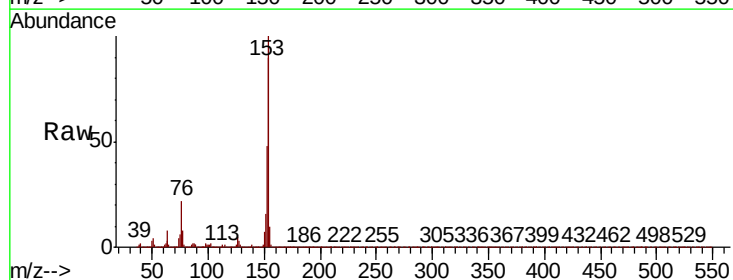
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

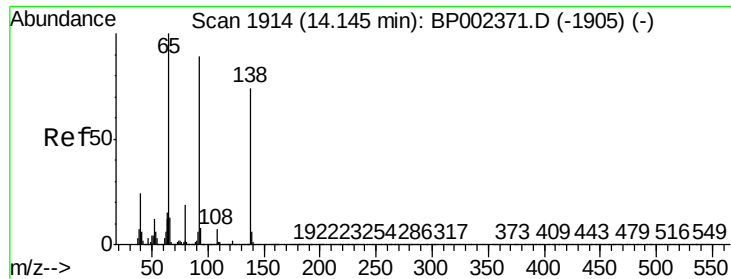
Tot Ion:165 Resp: 43379
Ion Ratio Lower Upper
165 100
63 60.0 43.1 64.7
89 62.0 45.3 67.9



#52
Acenaphthene
Concen: 8.960 ng
RT: 14.30 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:154 Resp: 172225
Ion Ratio Lower Upper
154 100
153 111.3 89.5 134.3
152 53.0 43.3 64.9

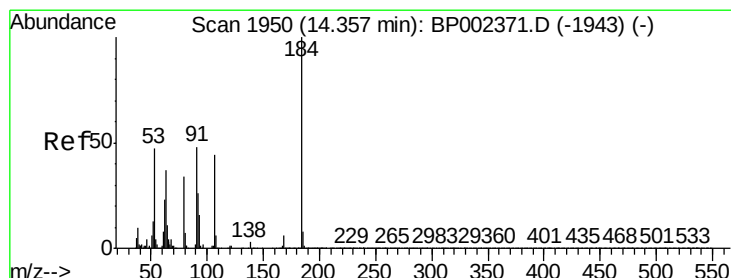
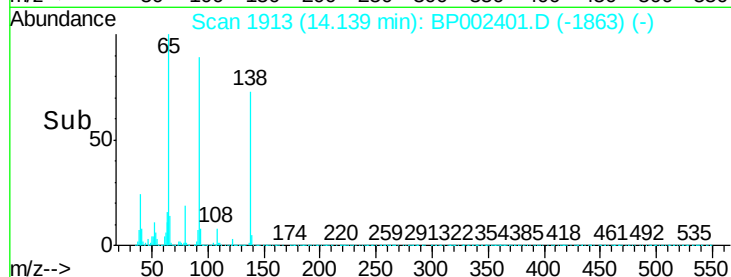
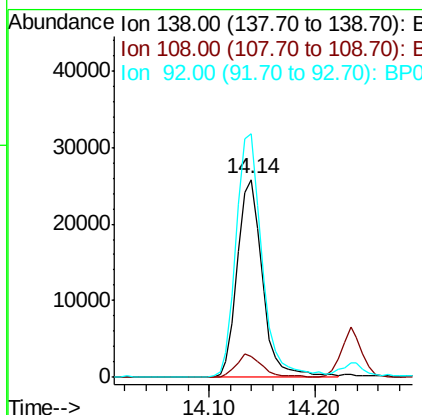
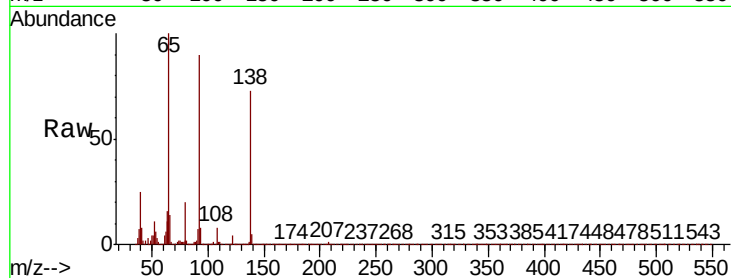




#53
3-Nitroaniline
Concen: 6.552 ng
RT: 14.14 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

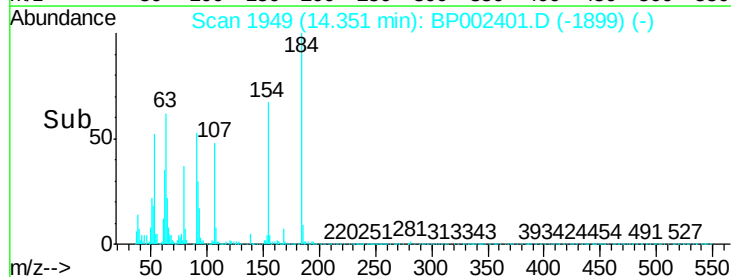
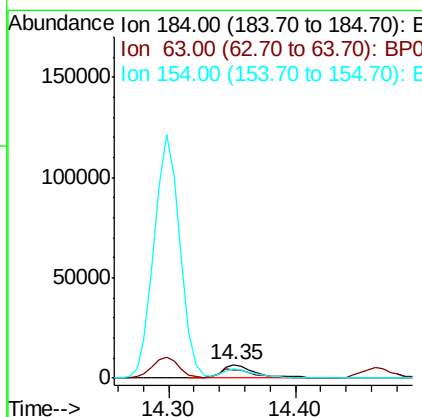
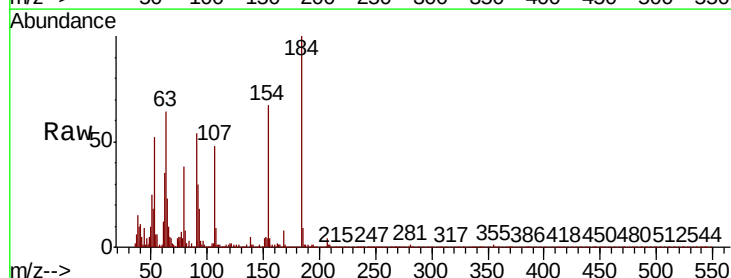
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

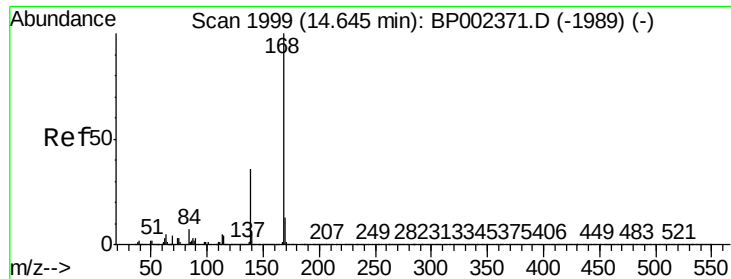
Tot Ion:138 Resp: 42690
Ion Ratio Lower Upper
138 100
108 10.8 8.0 12.0
92 123.0 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 3.955 ng
RT: 14.35 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:184 Resp: 12378
Ion Ratio Lower Upper
184 100
63 63.8 52.3 78.5
154 67.4 48.6 72.8

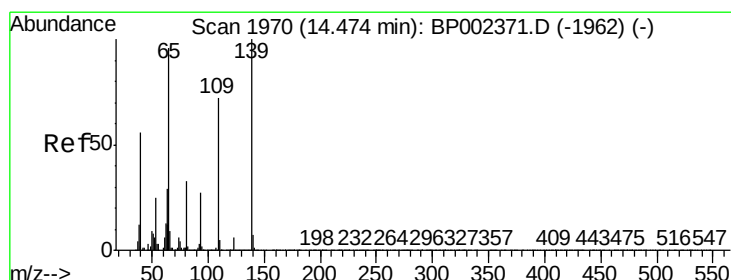
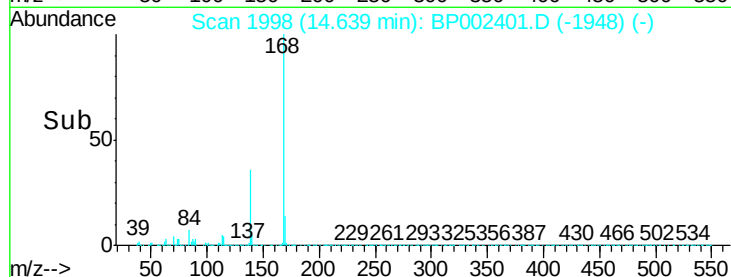
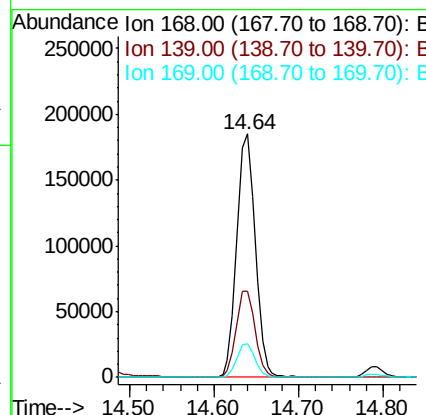
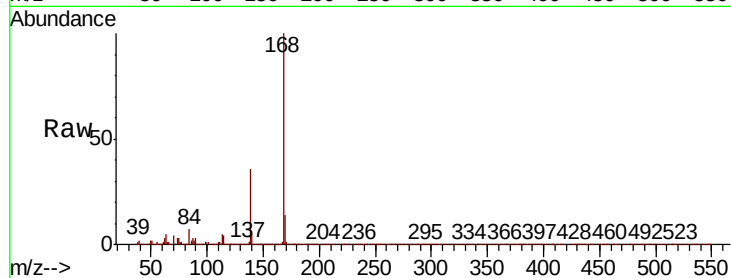




#55
Dibenzenofuran
Concen: 9.010 ng
RT: 14.64 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

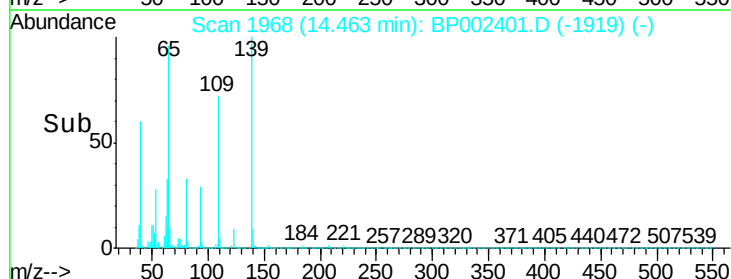
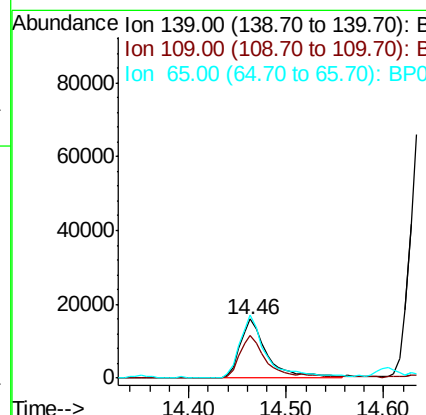
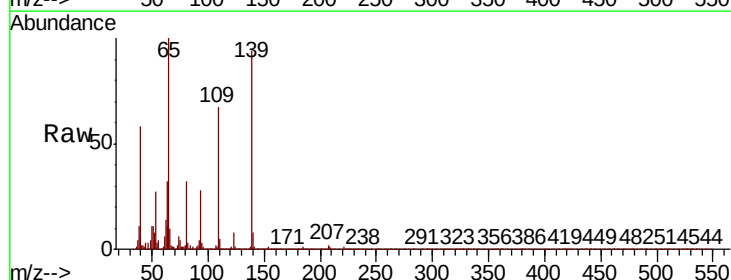
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

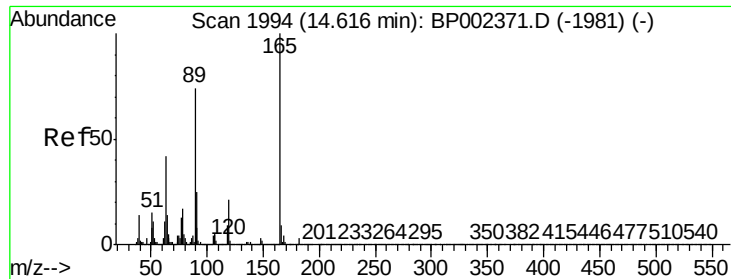
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.5	28.9	43.3
169	13.7	10.6	15.8



#56
4-Nitrophenol
Concen: 5.970 ng
RT: 14.46 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.5	52.0	92.0
65	106.7	76.3	116.3

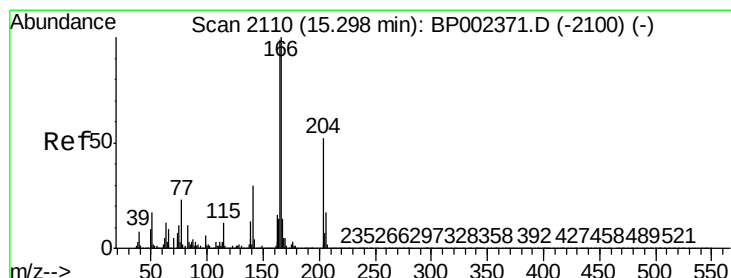
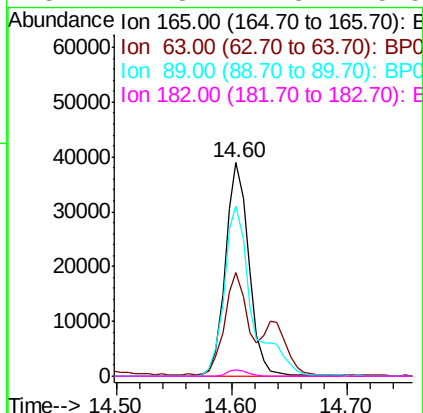
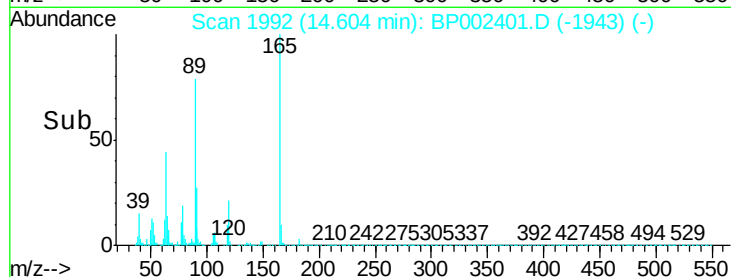
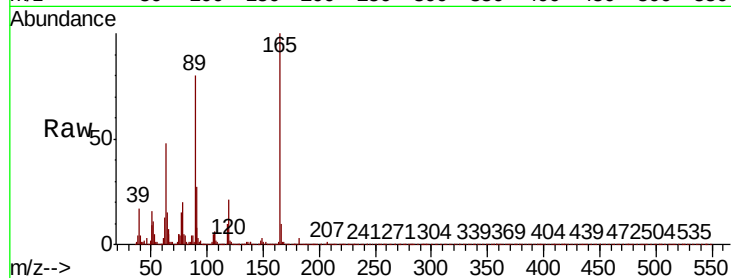




#57
2,4-Dinitrotoluene
Concen: 7.078 ng
RT: 14.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

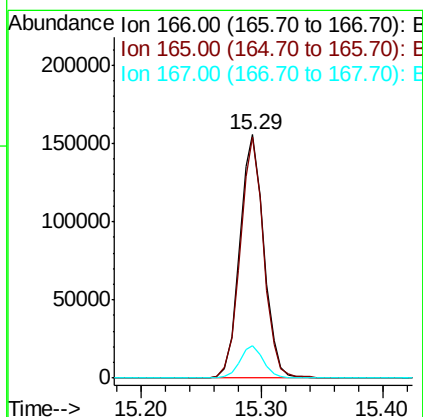
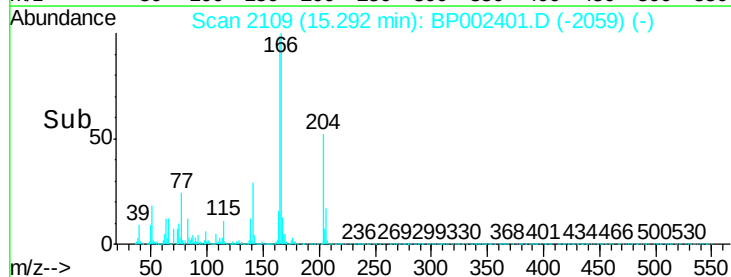
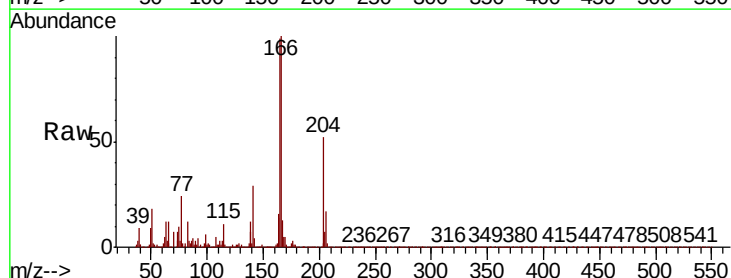
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

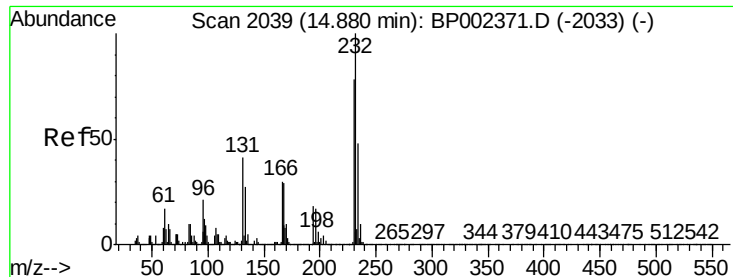
Tot Ion:165 Resp: 54977
Ion Ratio Lower Upper
165 100
63 48.3 34.2 51.2
89 79.7 59.3 88.9
182 2.8 2.3 3.5



#58
Fluorene
Concen: 8.897 ng
RT: 15.29 min Scan# 2109
Delta R.T. -0.00 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:166 Resp: 216569
Ion Ratio Lower Upper
166 100
165 98.8 79.1 118.7
167 13.4 11.0 16.4

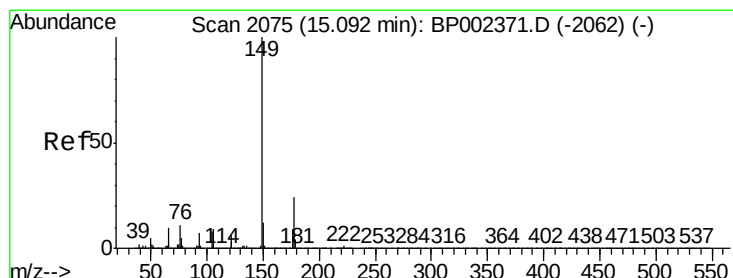
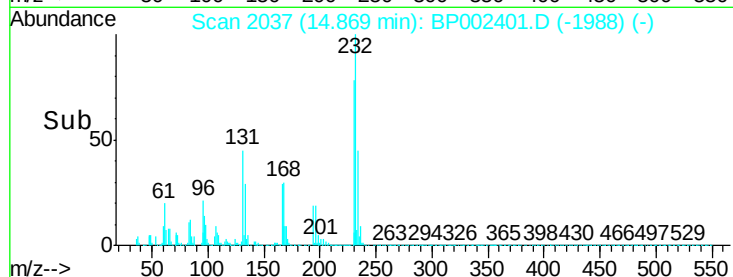
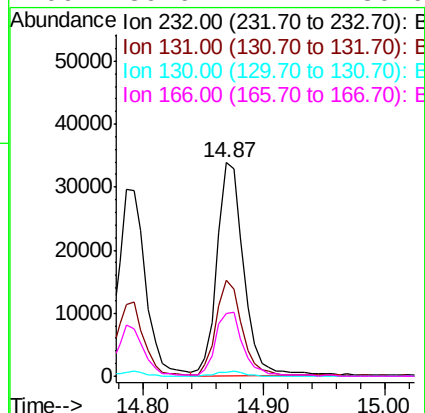
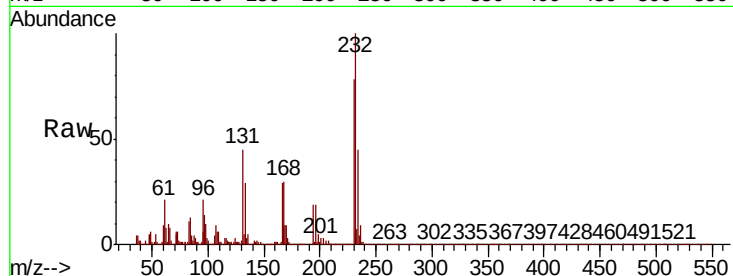




#59
2,3,4,6-Tetrachlorophenol
Concen: 7.803 ng
RT: 14.87 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

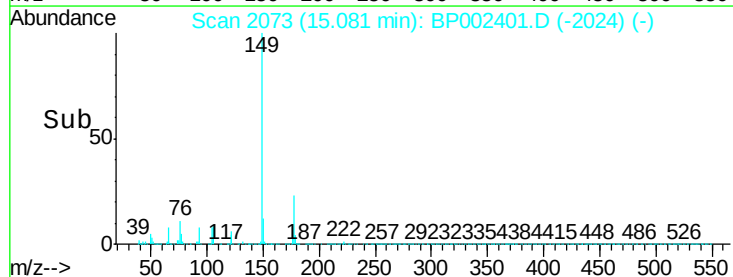
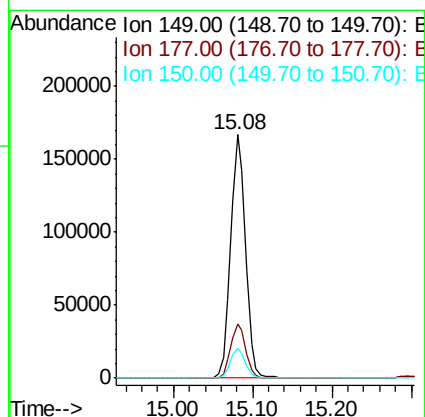
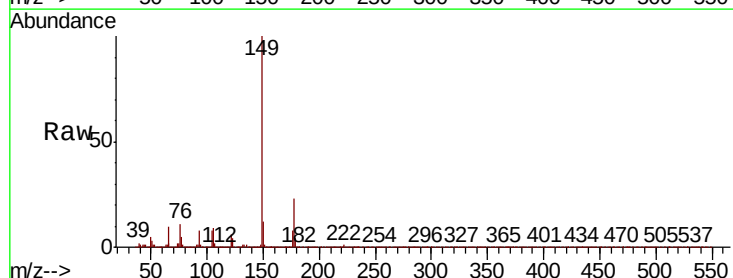
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

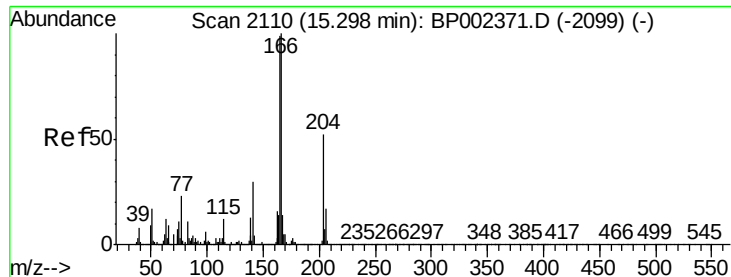
Tot Ion	Ratio	Lower	Upper
232	100		
131	43.8	35.1	52.7
130	2.4	1.8	2.8
166	30.6	24.4	36.6



#60
Diethylphthalate
Concen: 8.245 ng
RT: 15.08 min Scan# 2073
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.9	28.3
150	12.3	9.9	14.9

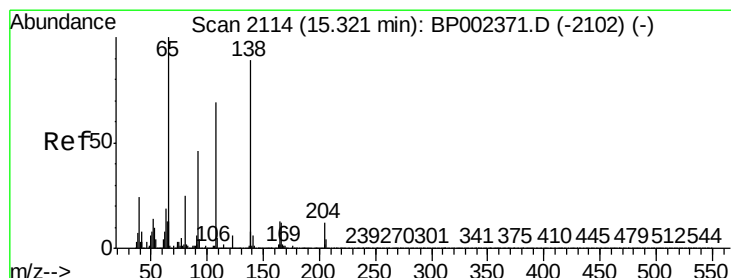
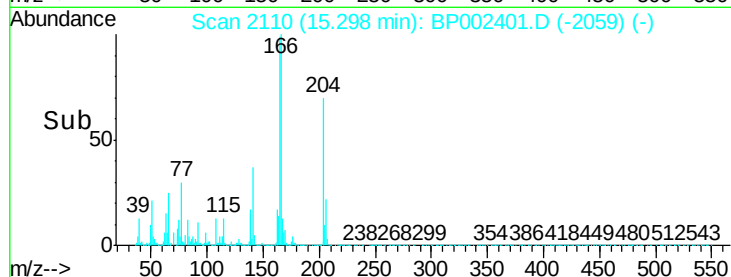
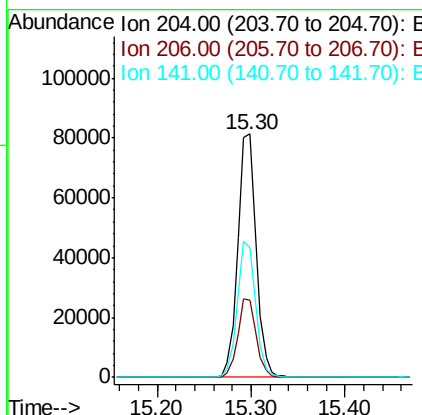
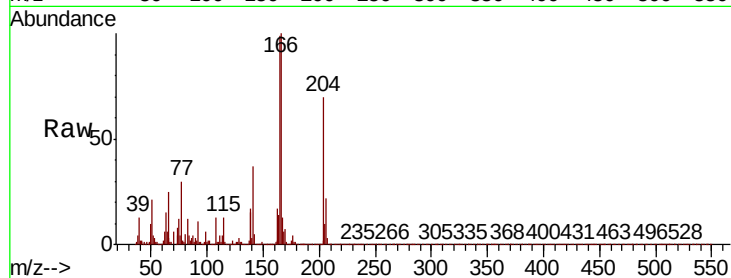




#61
4-Chlorophenyl-phenylether
Concen: 9.371 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

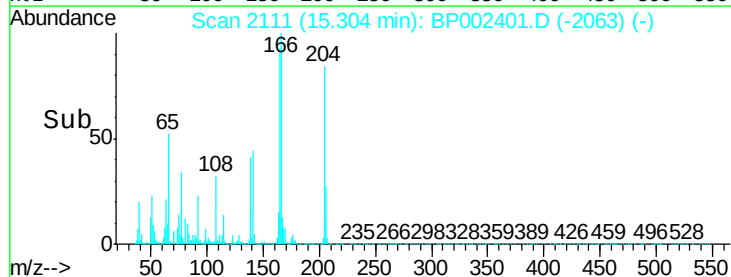
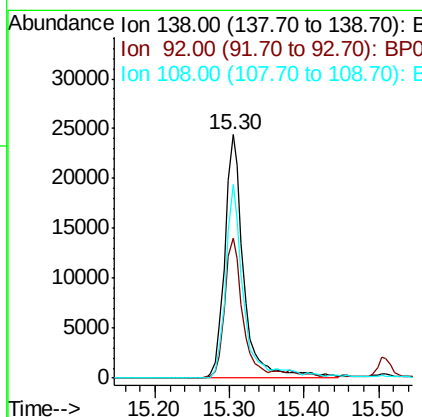
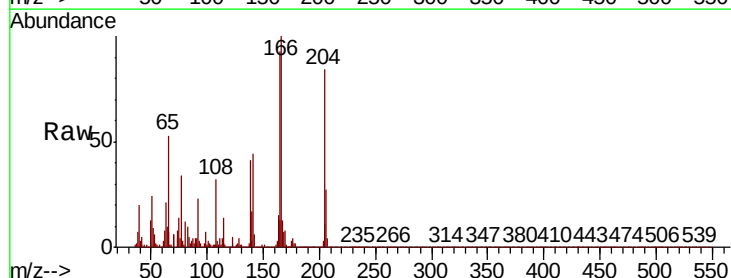
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

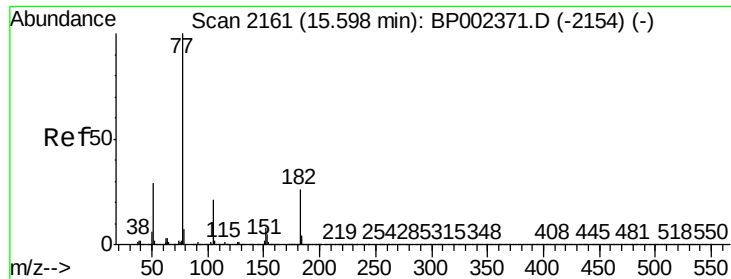
Tot Ion:204 Resp: 110580
Ion Ratio Lower Upper
204 100
206 31.5 26.8 40.2
141 53.2 46.6 69.8



#62
4-Nitroaniline
Concen: 6.970 ng
RT: 15.30 min Scan# 2111
Delta R.T. -0.02 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:138 Resp: 43641
Ion Ratio Lower Upper
138 100
92 57.3 31.7 71.7
108 79.4 57.5 97.5

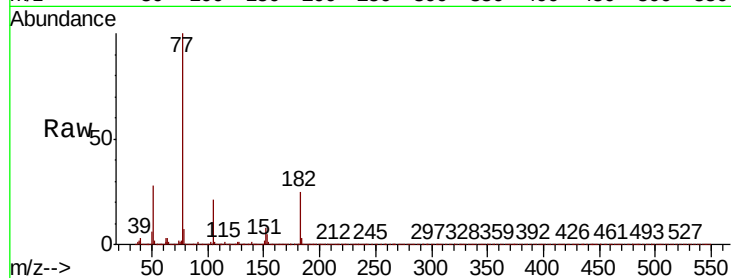




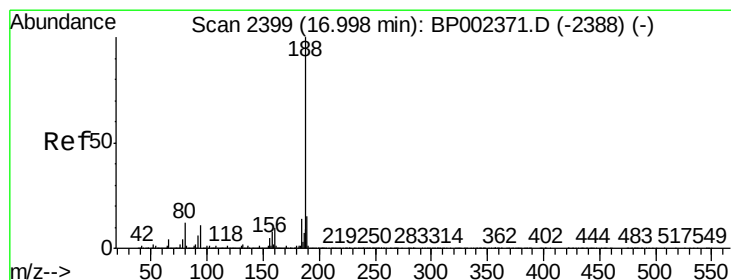
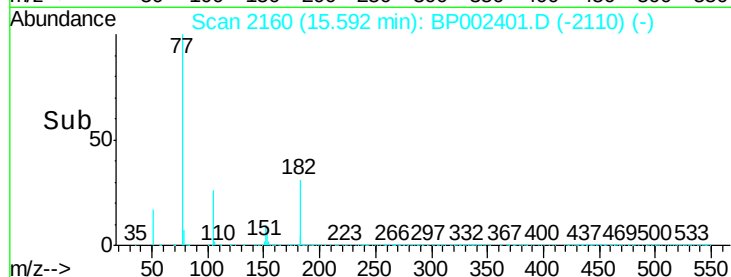
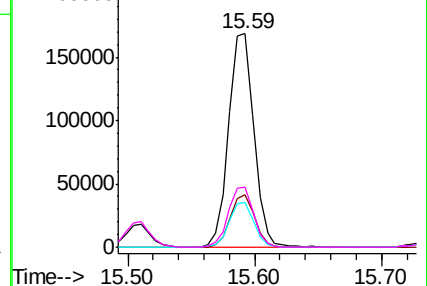
#63
Azobenzene
Concen: 8.837 ng
RT: 15.59 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion:	77	Resp:	231588
Ion	Ratio	Lower	Upper
77	100		
182	24.6	6.0	46.0
105	20.7	1.3	41.3
51	28.1	8.7	48.7

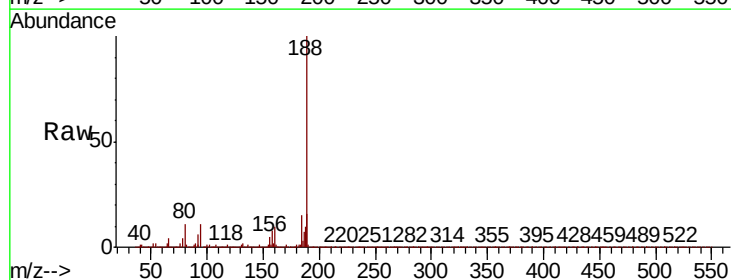


Abundance Ion 77.00 (76.70 to 77.70): BP0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BP0

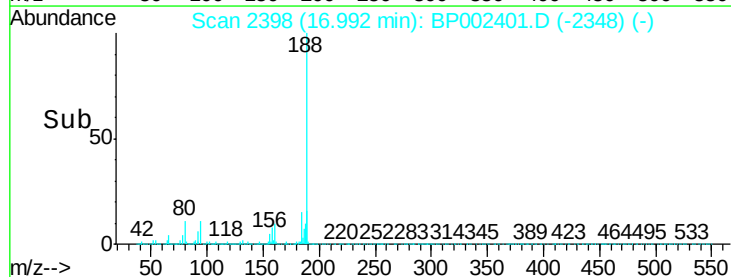
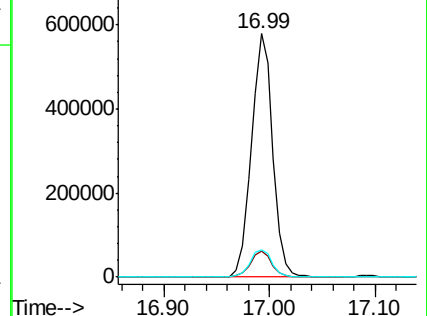


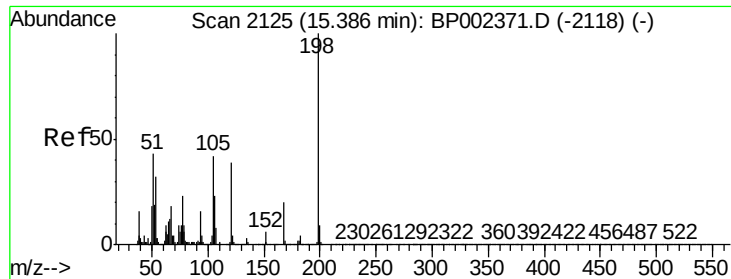
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:	188	Resp:	809041
Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.5	9.4	14.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BP0
Ion 80.00 (79.70 to 80.70): BP0





#65

4,6-Dinitro-2-methylphenol

Concen: 5.873 ng

RT: 15.37 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

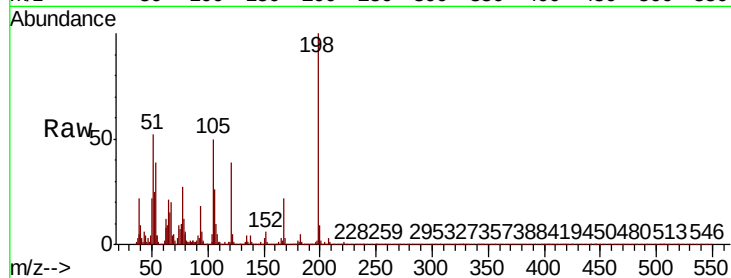
Tot Ion:198 Resp: 25072

Ion Ratio Lower Upper

198 100

51 51.5 23.4 63.4

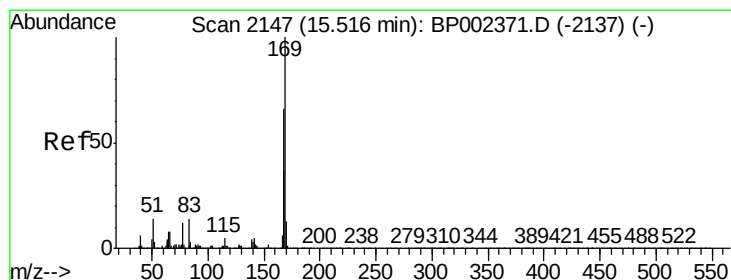
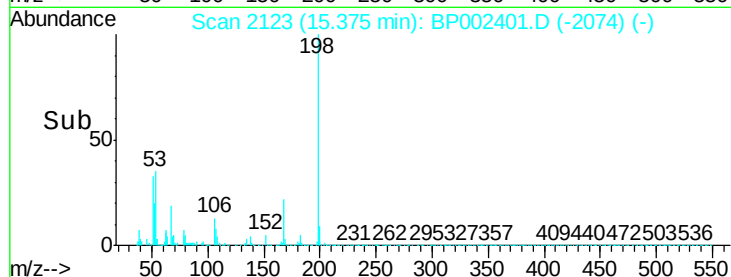
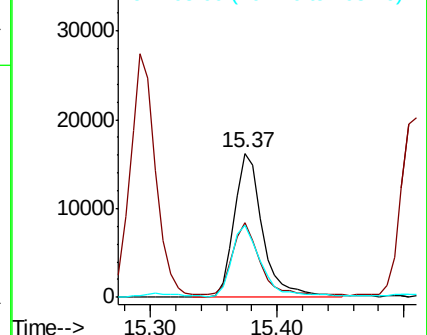
105 49.9 22.5 62.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 9.296 ng

RT: 15.51 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

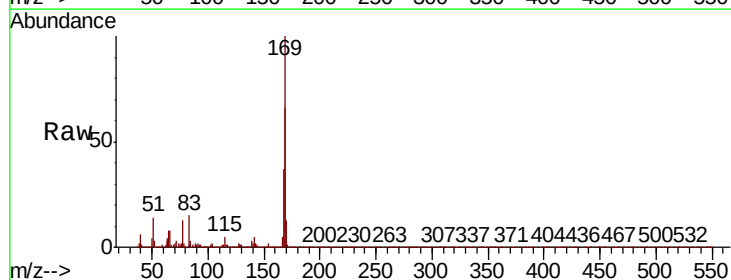
Tgt Ion:169 Resp: 192130

Ion Ratio Lower Upper

169 100

168 65.8 52.8 79.2

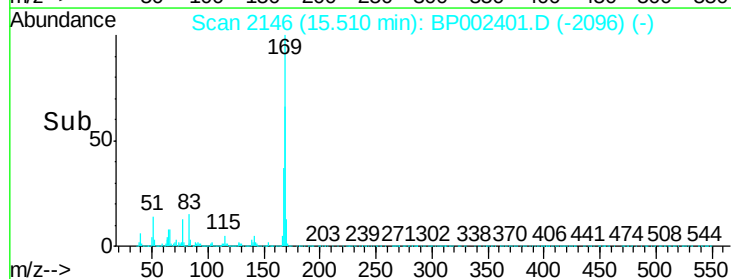
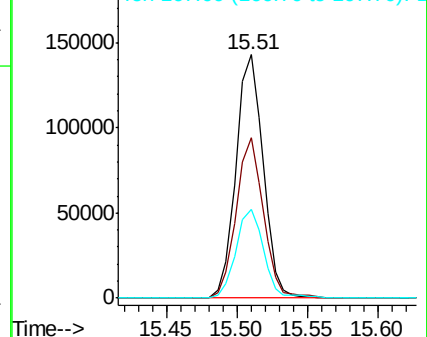
167 36.7 29.4 44.0

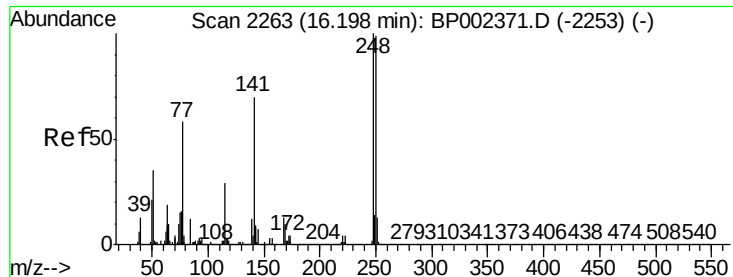


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

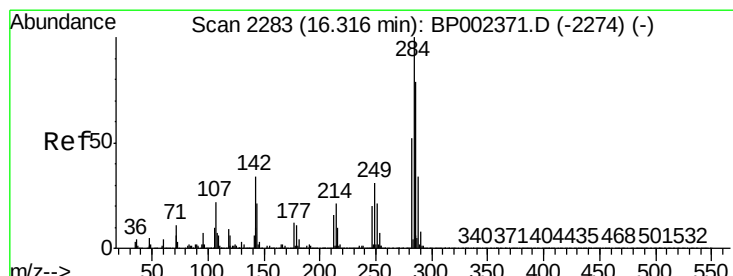
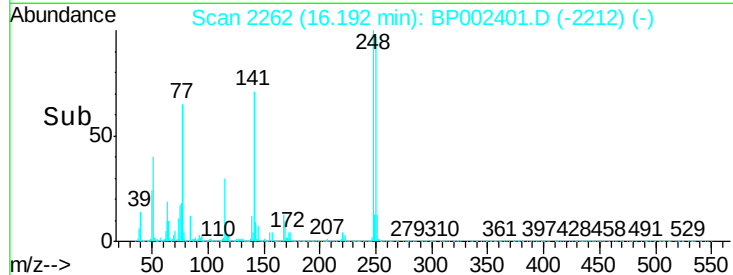
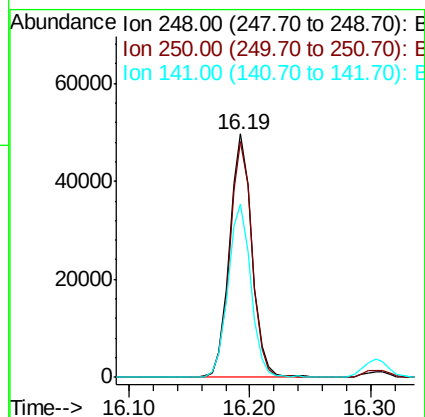
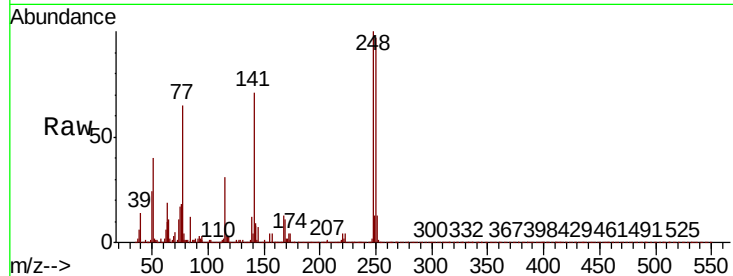




#67
4-Bromophenyl-phenylether
Concen: 8.345 ng
RT: 16.19 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

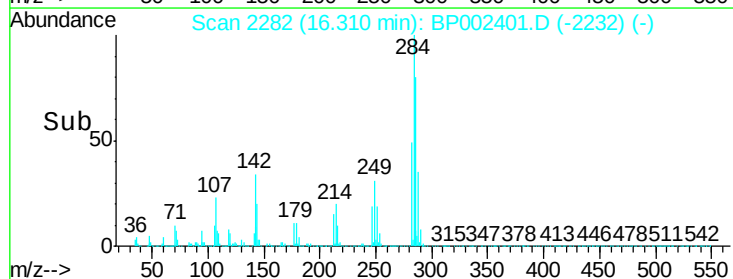
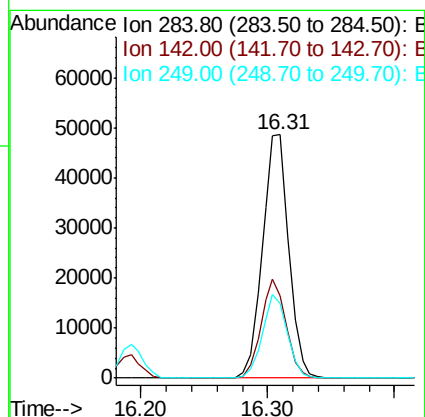
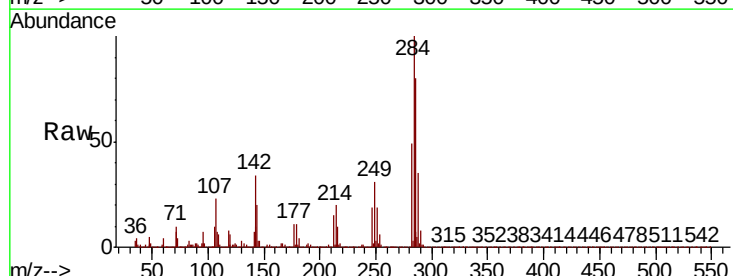
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

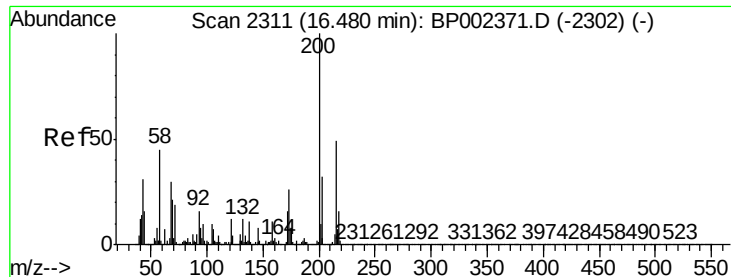
Tot Ion:248 Resp: 63954
Ion Ratio Lower Upper
248 100
250 97.0 79.3 118.9
141 71.1 55.7 83.5



#68
Hexachlorobenzene
Concen: 8.634 ng
RT: 16.31 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:284 Resp: 70216
Ion Ratio Lower Upper
284 100
142 33.7 27.4 41.0
249 30.5 24.9 37.3





#69

Atrazine

Concen: 9.849 ng

RT: 16.47 min Scan# 2309

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

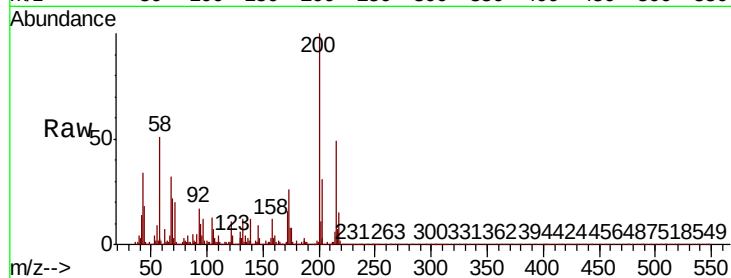
Tot Ion:200 Resp: 66406

Ion Ratio Lower Upper

200 100

173 26.4 6.4 46.4

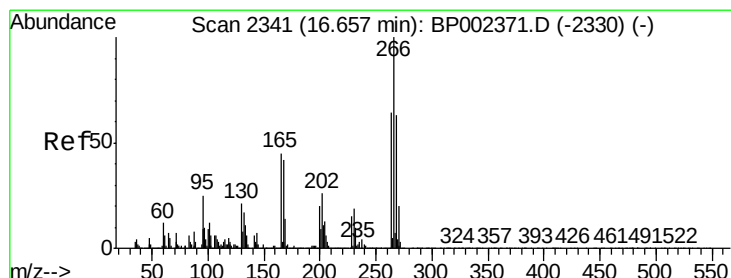
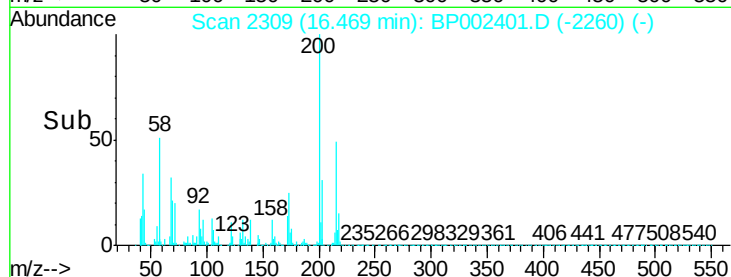
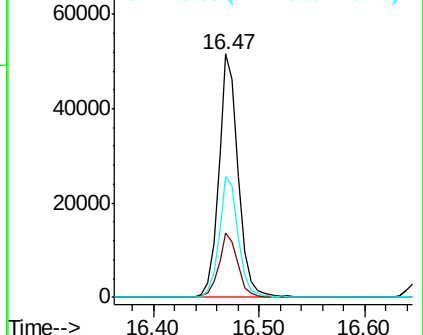
215 49.3 29.3 69.3



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: 6.022 ng

RT: 16.65 min Scan# 2340

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

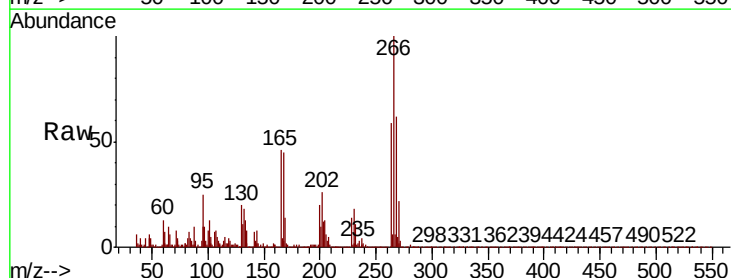
Tgt Ion:266 Resp: 29300

Ion Ratio Lower Upper

266 100

268 62.4 50.5 75.7

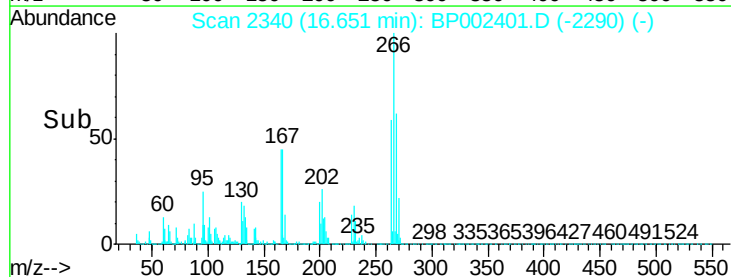
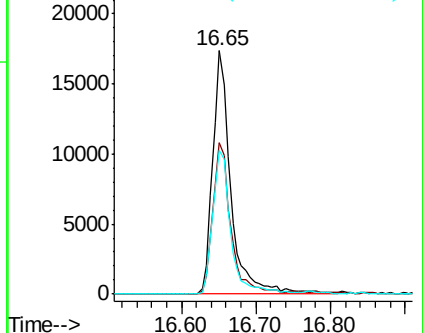
264 58.9 51.4 77.0

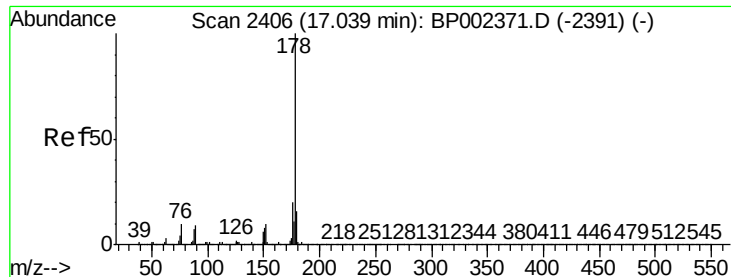


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

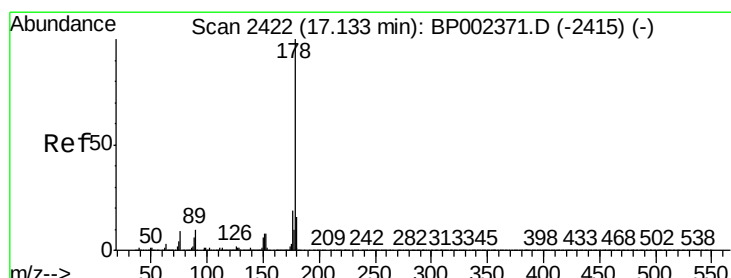
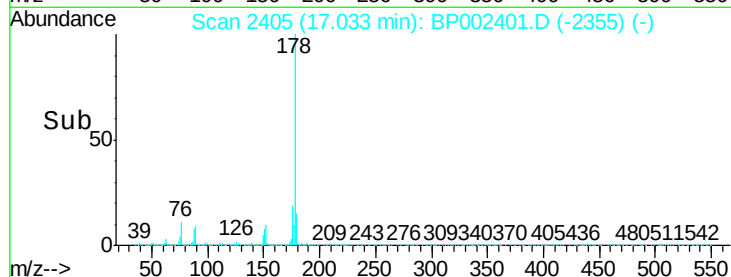
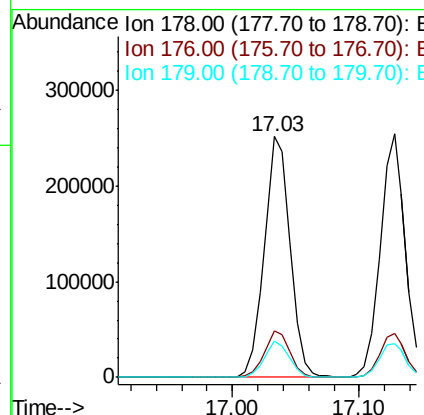
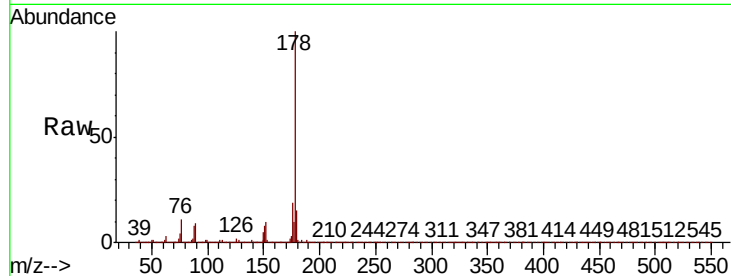




#71
Phenanthrene
Concen: 9.437 ng
RT: 17.03 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

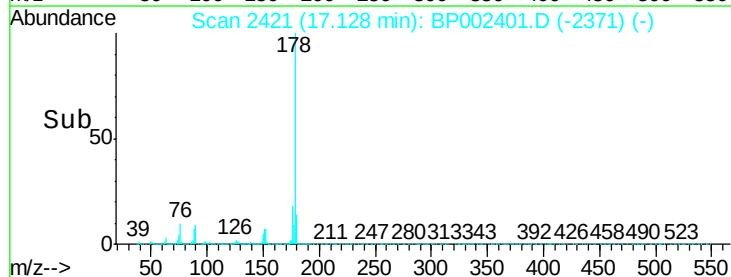
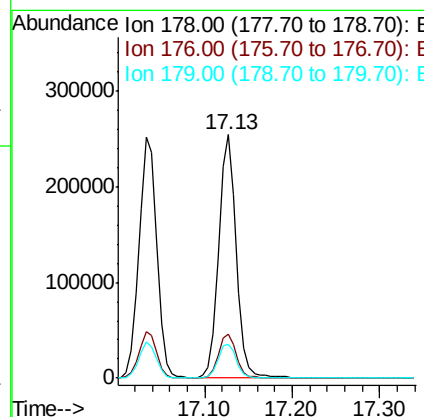
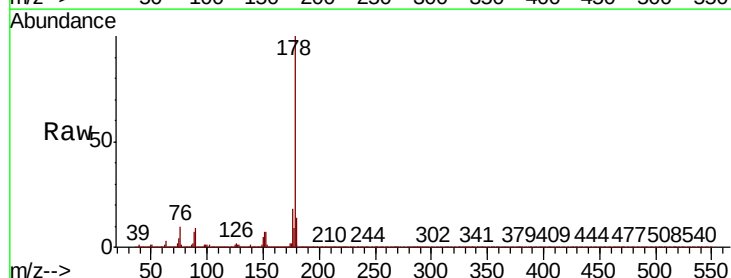
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

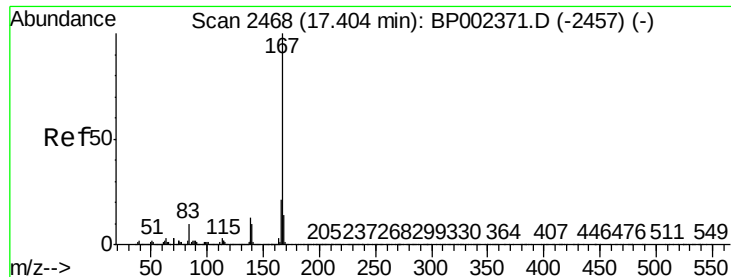
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.1	12.5	18.7



#72
Anthracene
Concen: 9.395 ng
RT: 17.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	14.1	13.0	19.4





#73

Carbazole

Concen: 8.450 ng

RT: 17.40 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

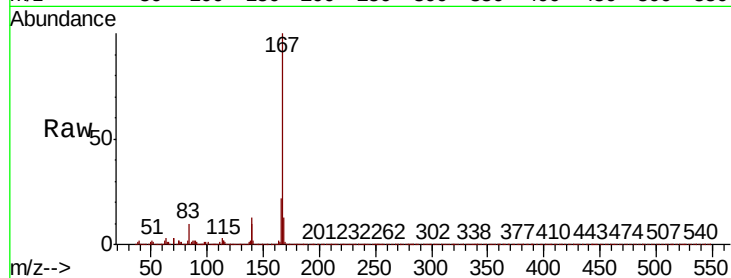
Tot Ion:167 Resp: 312502

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

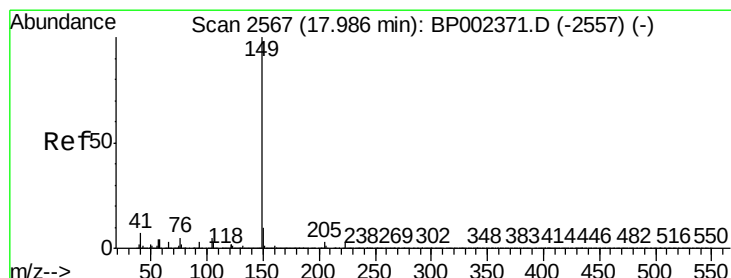
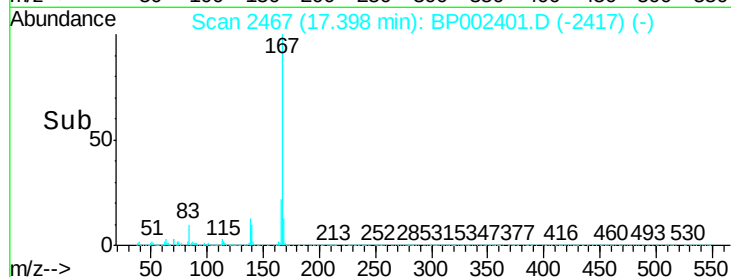
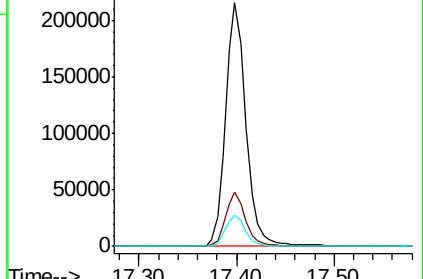
139 12.6 10.3 15.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 7.718 ng

RT: 17.99 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

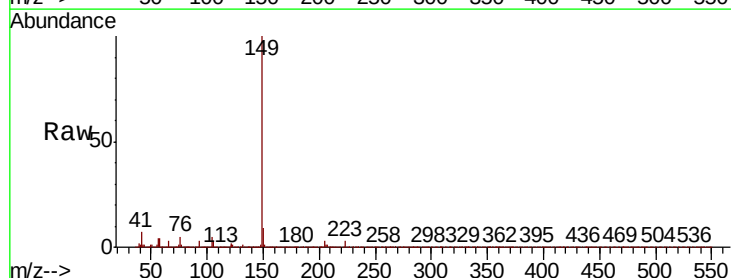
Tgt Ion:149 Resp: 337812

Ion Ratio Lower Upper

149 100

150 8.5 7.7 11.5

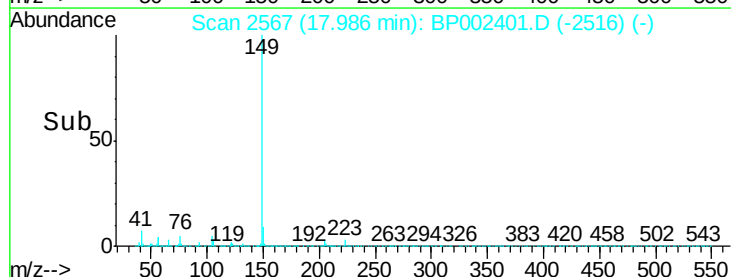
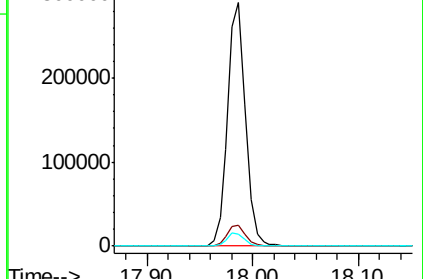
104 5.1 4.3 6.5

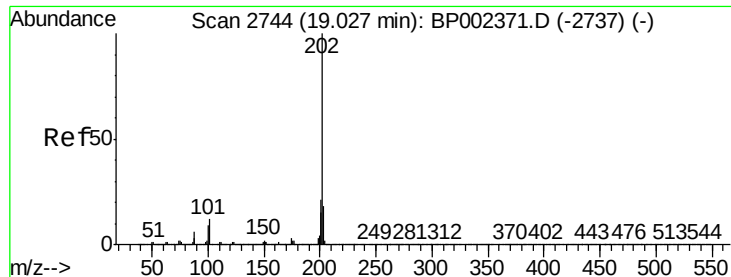


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 8.822 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

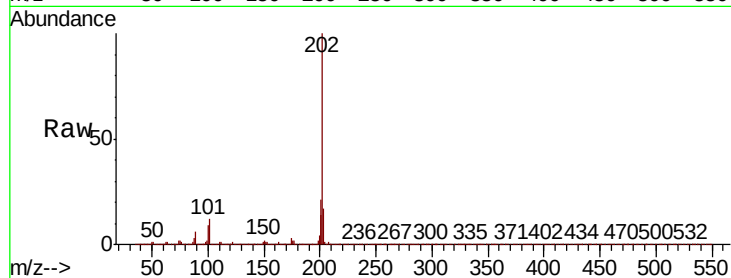
Tot Ion:202 Resp: 398535

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.8

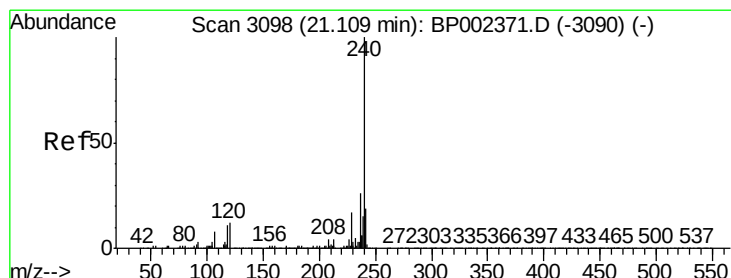
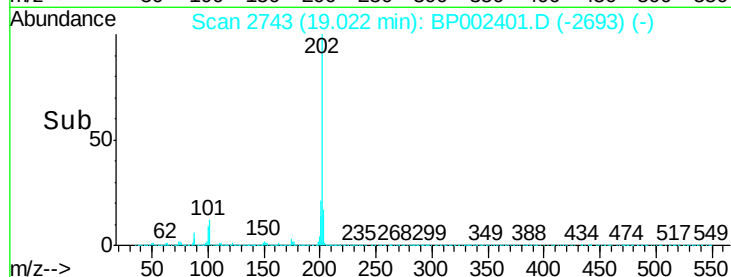
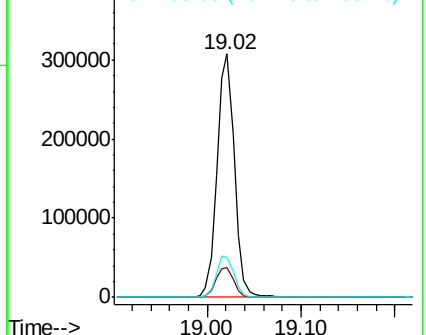
203 16.6 0.0 38.0



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: BP002401.D

Acq: 12 Jun 2020 16:48

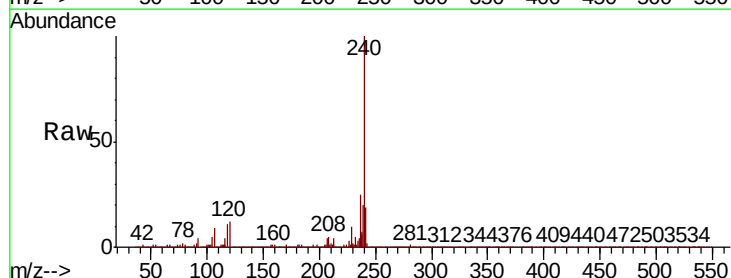
Tgt Ion:240 Resp: 771283

Ion Ratio Lower Upper

240 100

120 12.5 9.3 13.9

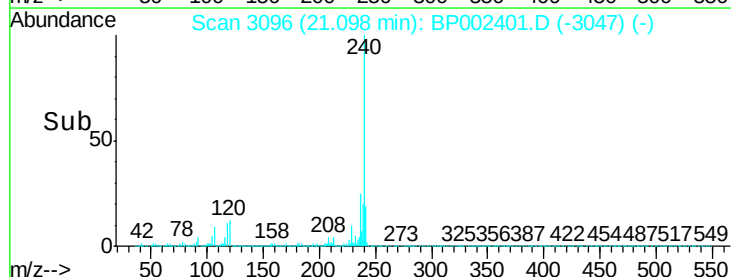
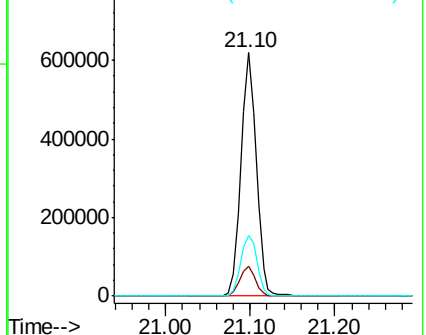
236 24.9 21.0 31.6

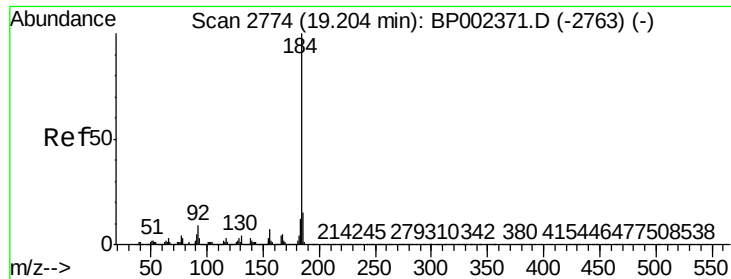


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

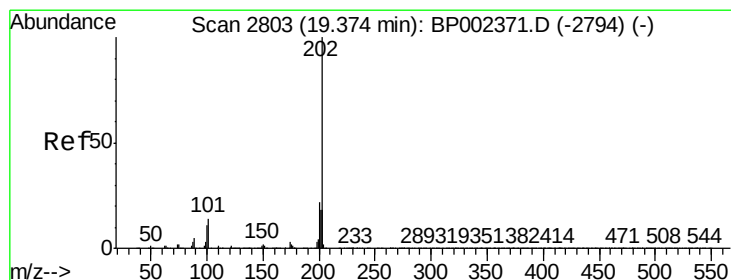
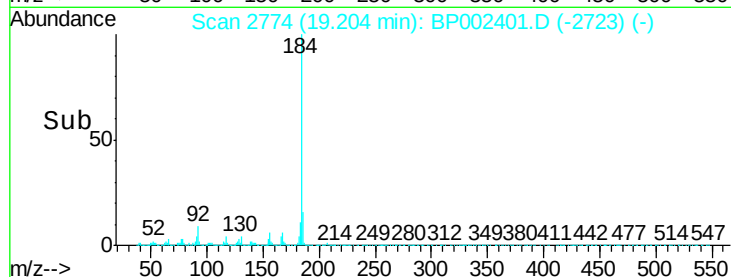
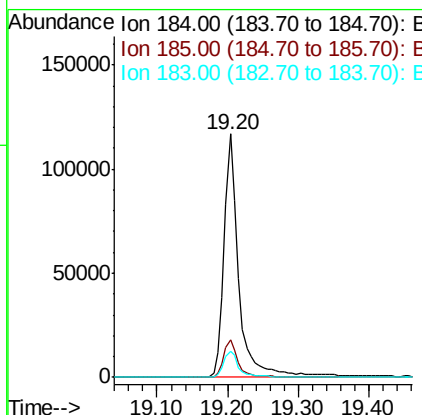
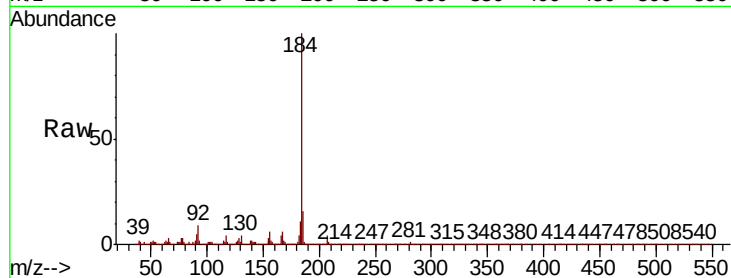




#77
Benzidine
Concen: 9.940 ng
RT: 19.20 min Scan# 2774
Delta R.T. 0.00 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

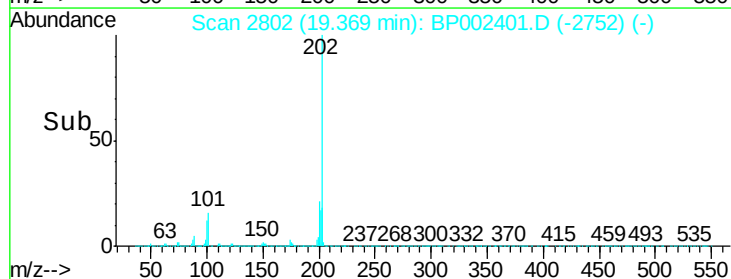
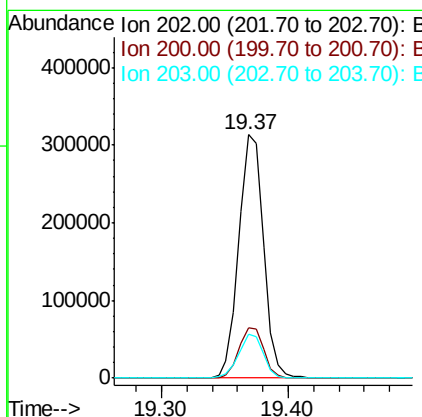
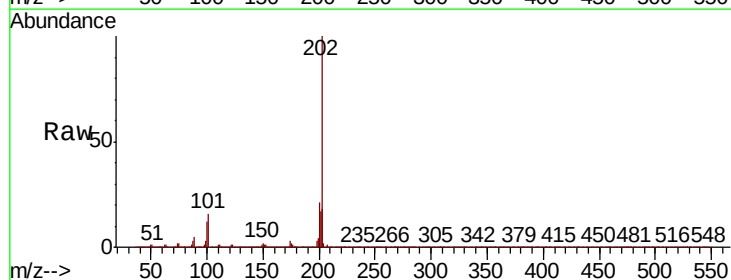
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

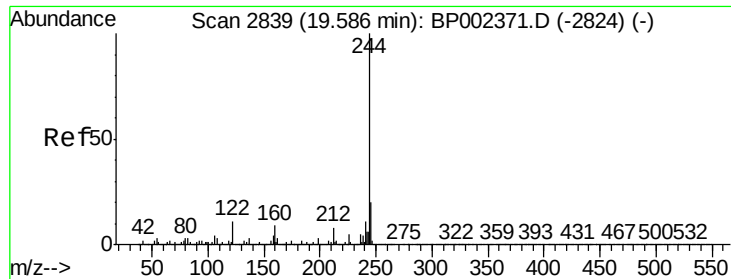
Tot Ion:184 Resp: 171304
Ion Ratio Lower Upper
184 100
185 15.6 11.8 17.8
183 10.9 9.2 13.8



#78
Pyrene
Concen: 8.950 ng
RT: 19.37 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion:202 Resp: 422840
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 18.3 14.6 22.0





#79

Terphenyl-d14

Concen: 116.683 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

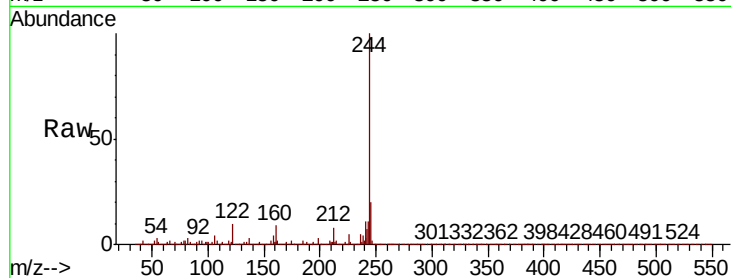
BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:244 Resp: 3434688

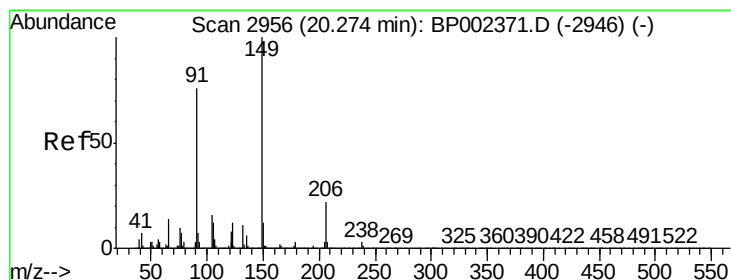
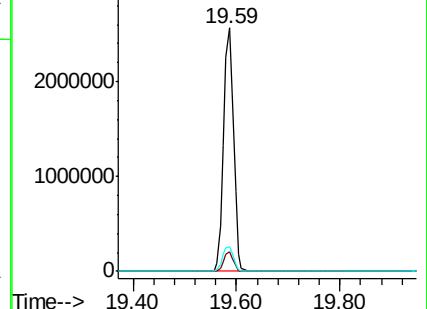
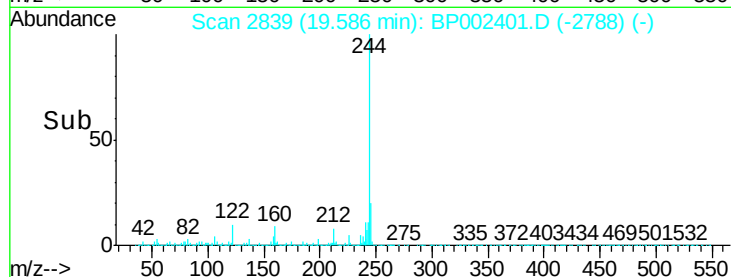
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.6	10.0
122	10.2	8.8	13.2



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: 6.703 ng

RT: 20.27 min Scan# 2955

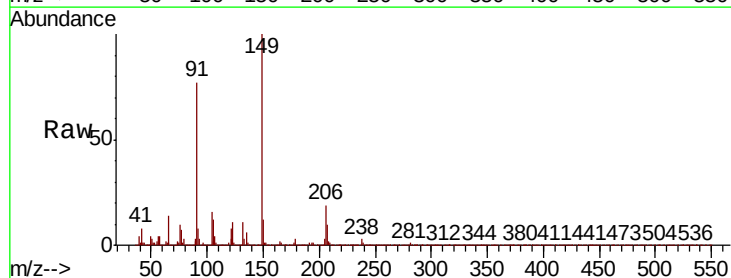
Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Tgt Ion:149 Resp: 140779

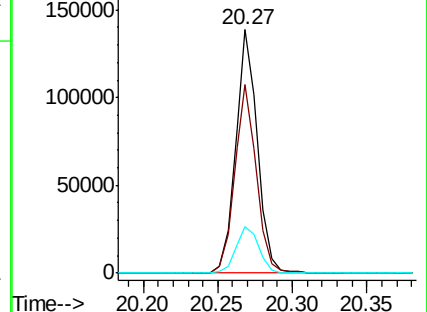
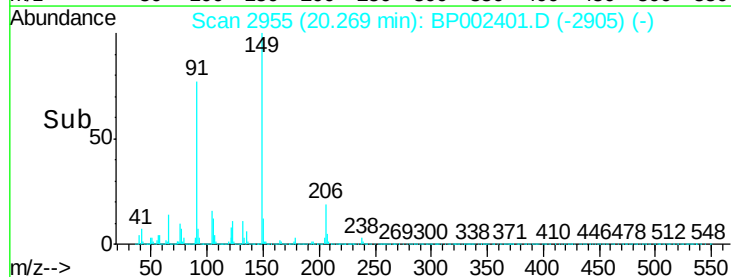
Ion	Ratio	Lower	Upper
149	100		
91	77.3	61.2	91.8
206	19.1	17.8	26.6

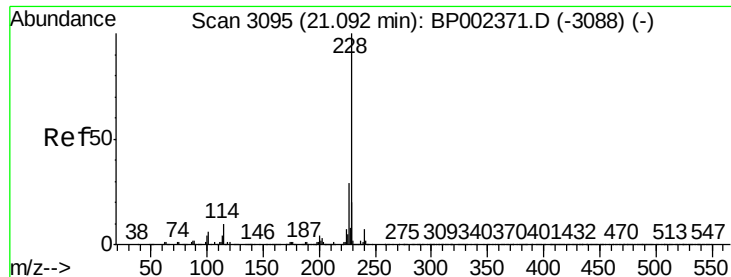


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 9.171 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

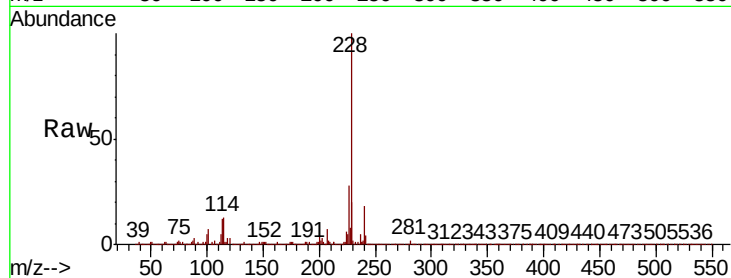
Tot Ion:228 Resp: 403763

Ion Ratio Lower Upper

228 100

226 27.8 22.8 34.2

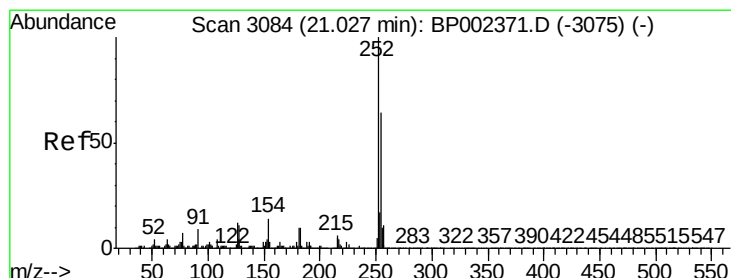
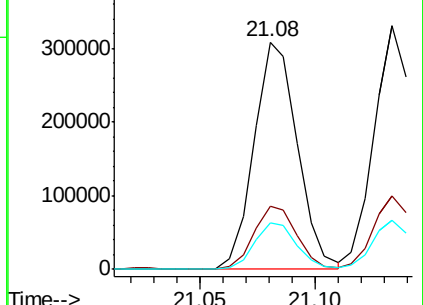
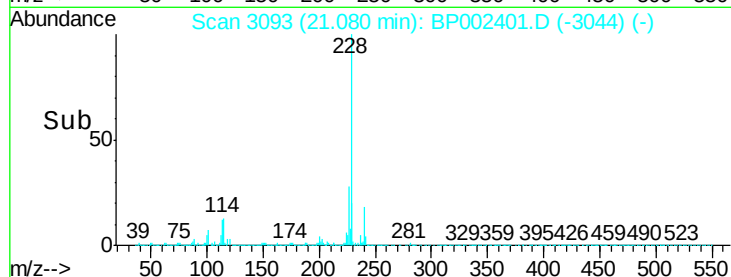
229 20.3 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 8.878 ng

RT: 21.02 min Scan# 3083

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

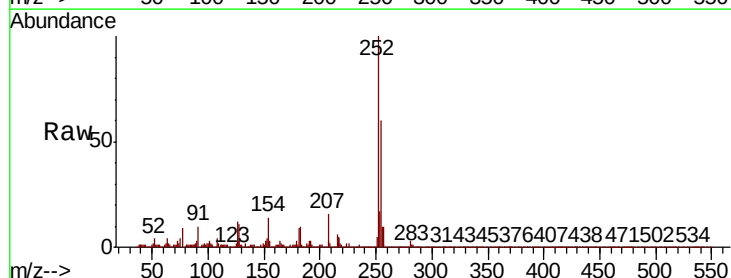
Tgt Ion:252 Resp: 145248

Ion Ratio Lower Upper

252 100

254 59.7 51.4 77.2

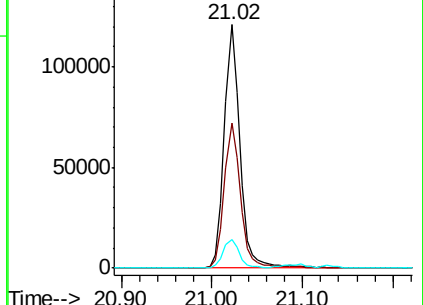
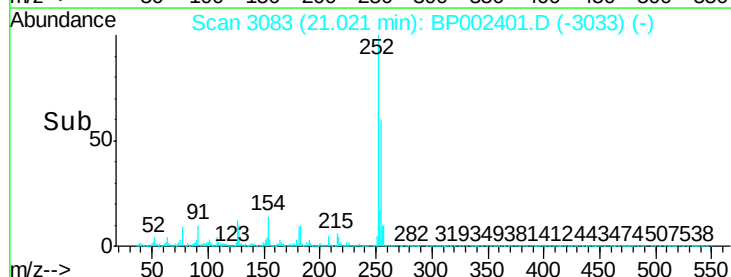
126 11.9 9.2 13.8

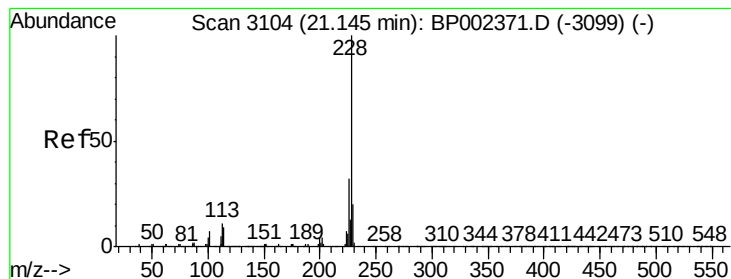


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 9.571 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

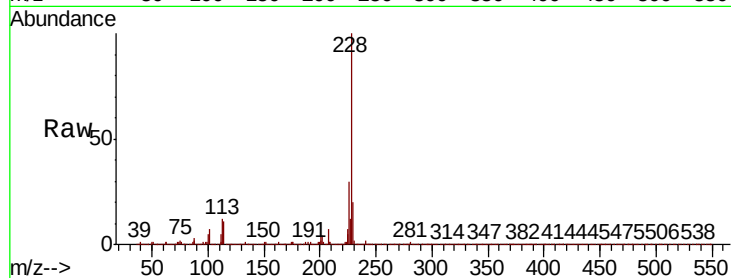
Tot Ion:228 Resp: 399192

Ion Ratio Lower Upper

228 100

226 30.2 25.2 37.8

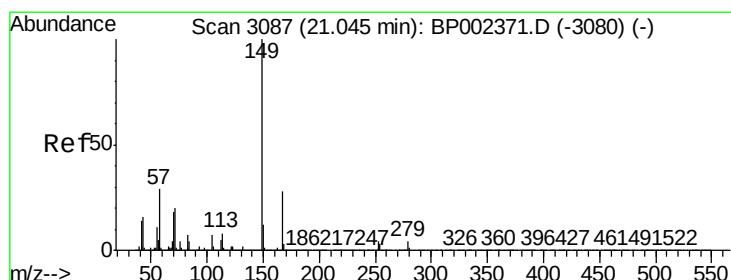
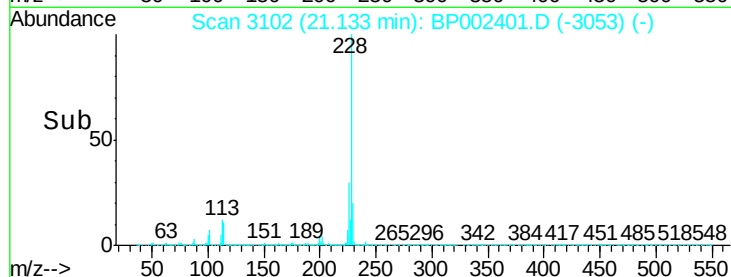
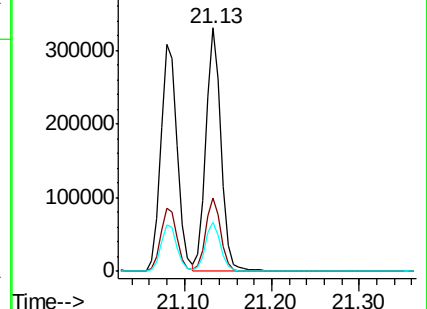
229 20.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.844 ng

RT: 21.04 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

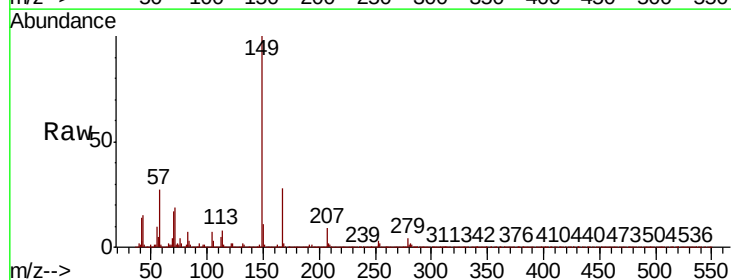
Tgt Ion:149 Resp: 239627

Ion Ratio Lower Upper

149 100

167 27.7 22.3 33.5

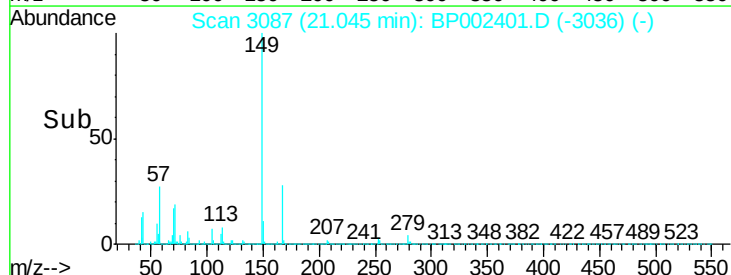
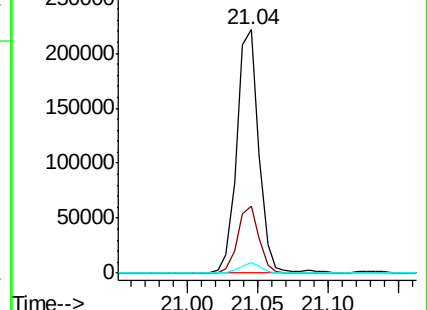
279 4.2 3.2 4.8

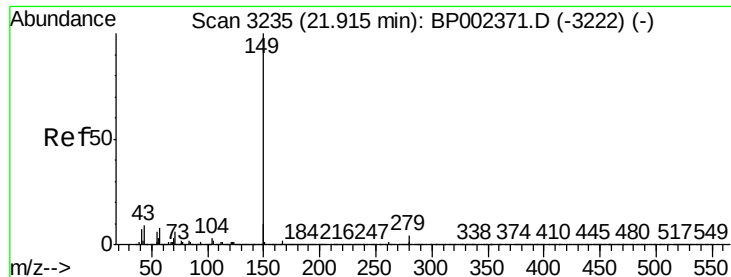


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

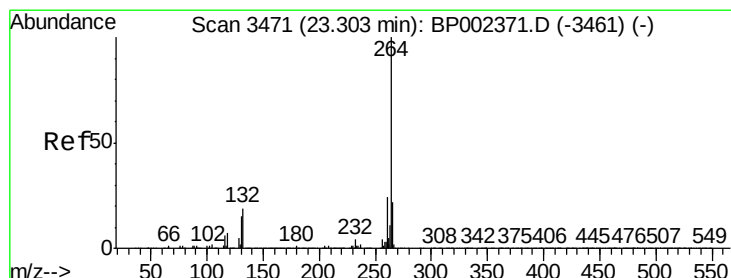
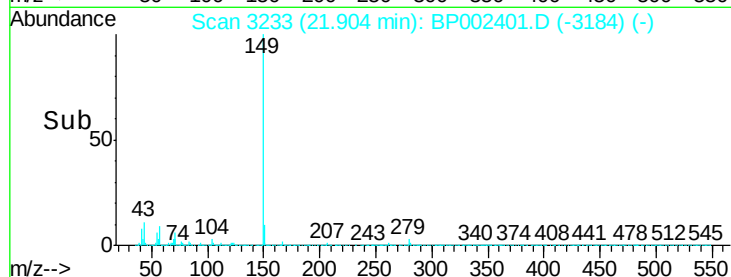
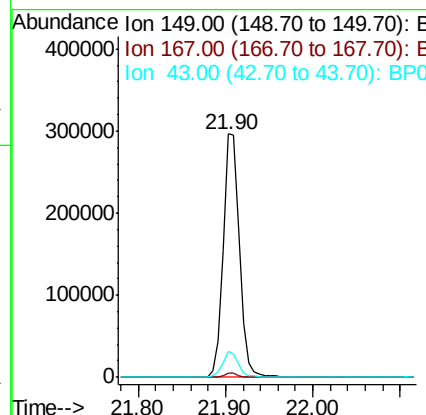
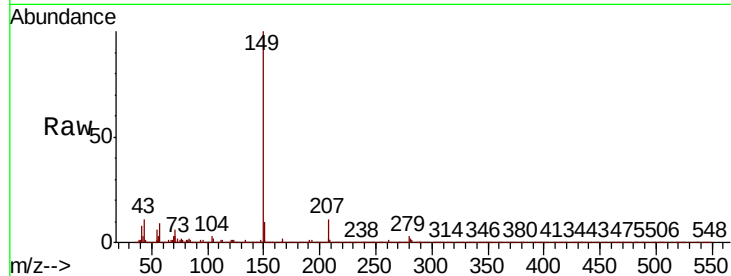




#85
Di-n-octyl phthalate
Concen: 7.128 ng
RT: 21.90 min Scan# 3233
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

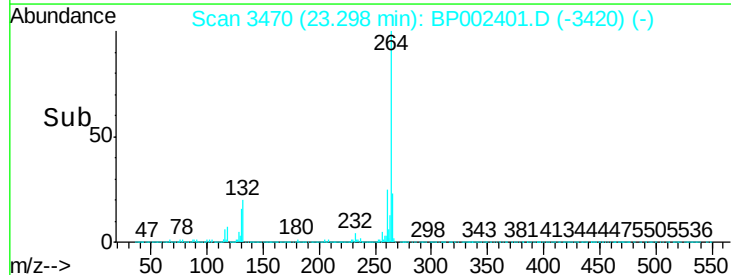
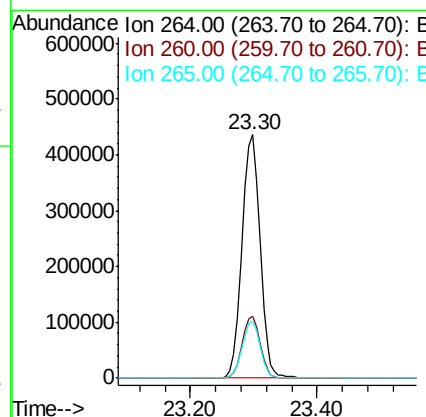
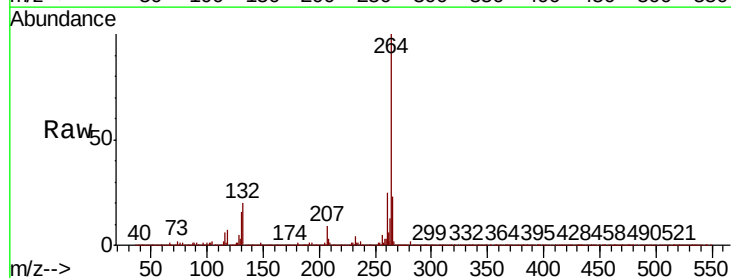
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

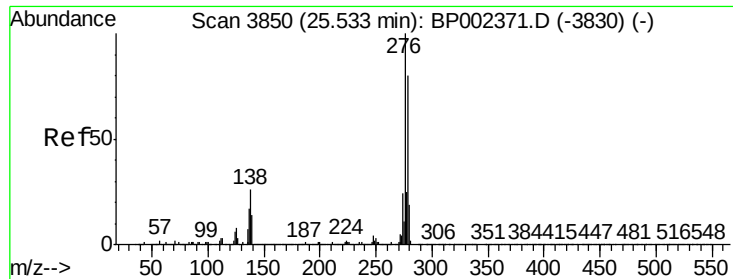
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.2	7.8	11.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.4	29.0
265	23.1	17.4	26.2

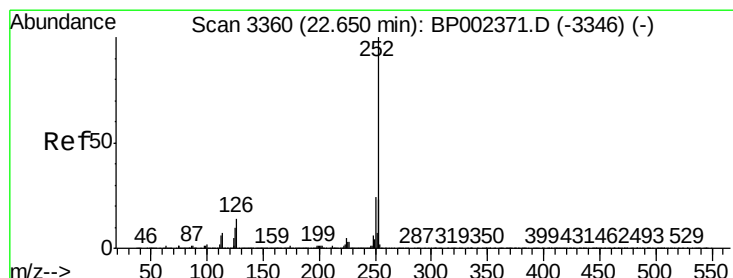
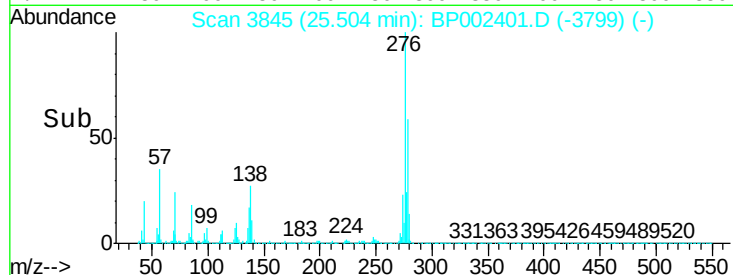
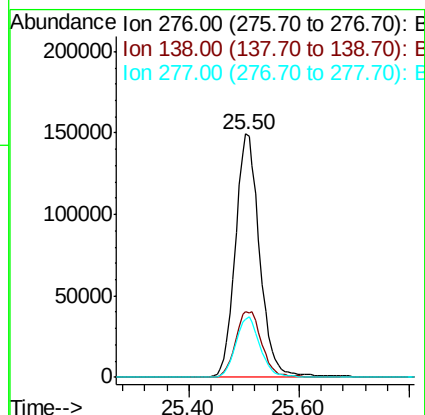
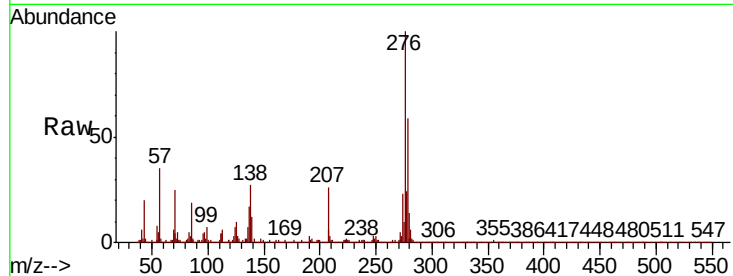




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.579 ng
 RT: 25.50 min Scan# 3845
 Delta R.T. -0.03 min
 Lab File: BP002401.D
 Acq: 12 Jun 2020 16:48

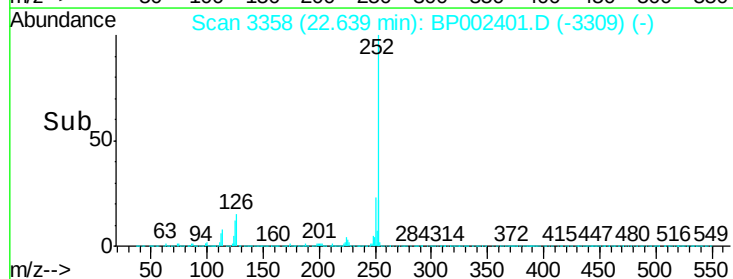
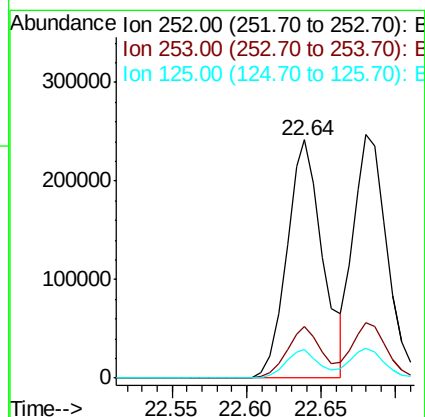
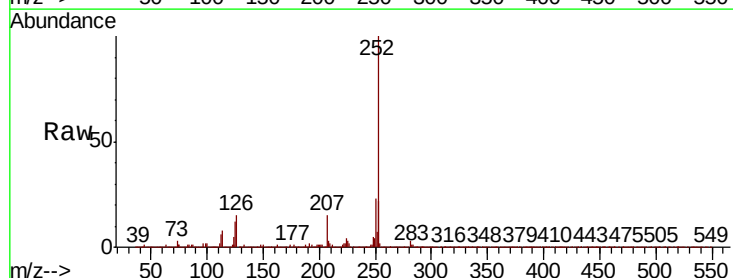
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

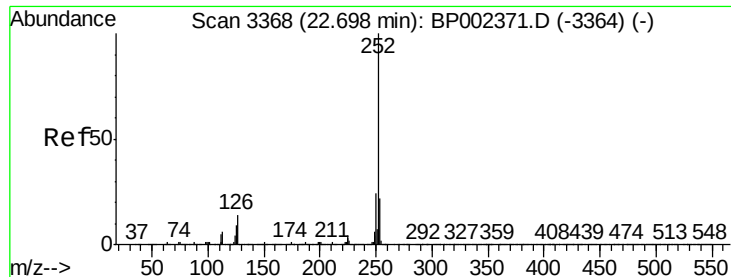
Tot	Ion:276	Resp:	458330
Ion	Ratio	Lower	Upper
276	100		
138	29.1	21.2	31.8
277	24.9	20.3	30.5



#88
 Benzo(b)fluoranthene
 Concen: 8.768 ng
 RT: 22.64 min Scan# 3358
 Delta R.T. -0.01 min
 Lab File: BP002401.D
 Acq: 12 Jun 2020 16:48

Tgt Ion:252	Resp: 403881
Ion Ratio	Lower Upper
252 100	
253 21.8	18.1 27.1
125 11.9	8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 9.014 ng

RT: 22.68 min Scan# 3365

Delta R.T. -0.02 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

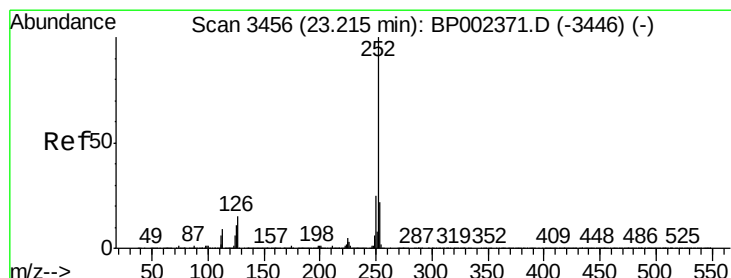
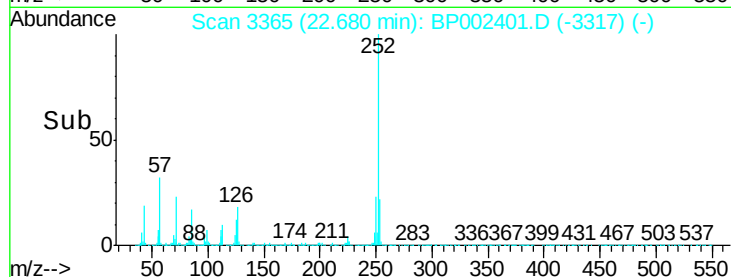
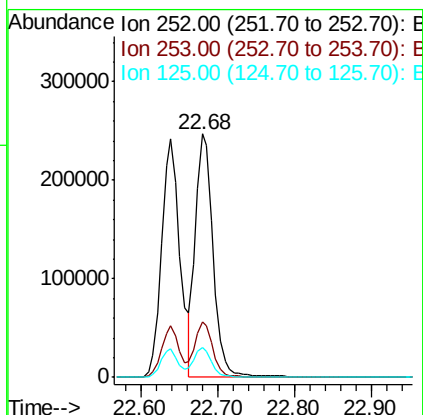
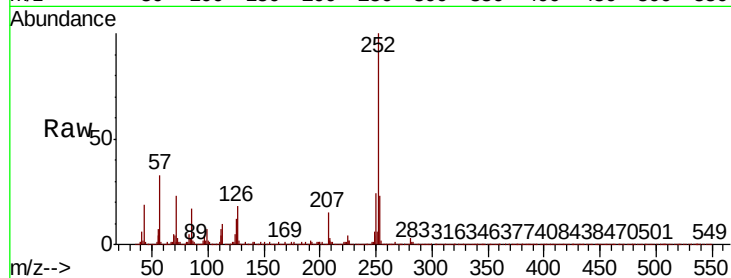
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:252	Resp:	394502
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.8 26.6
125	12.4	7.8 11.8#



#90

Benzo(a)pyrene

Concen: 8.382 ng

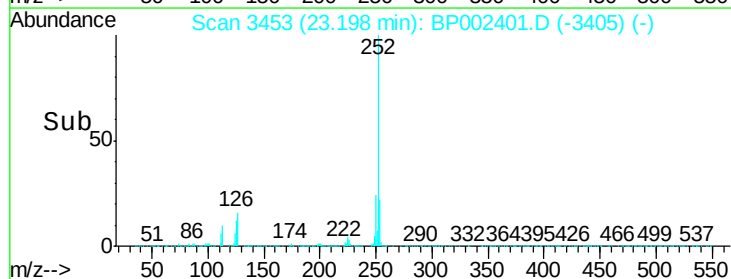
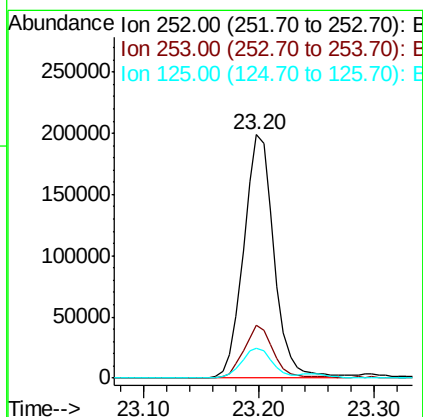
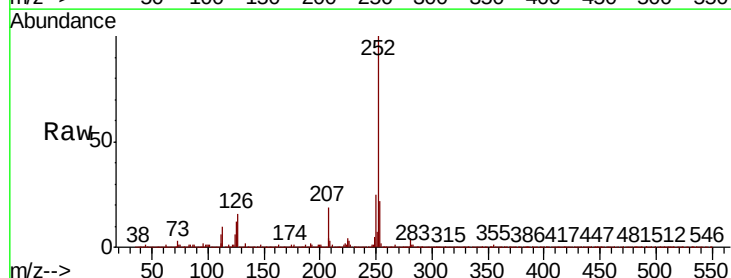
RT: 23.20 min Scan# 3453

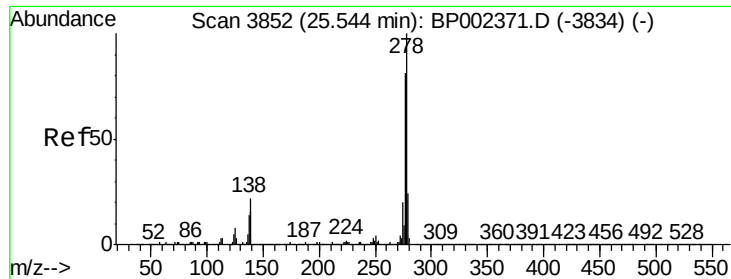
Delta R.T. -0.02 min

Lab File: BP002401.D

Acq: 12 Jun 2020 16:48

Tgt Ion:252	Resp:	361832
Ion Ratio	Lower	Upper
252	100	
253	21.7	17.8 26.8
125	12.3	9.2 13.8

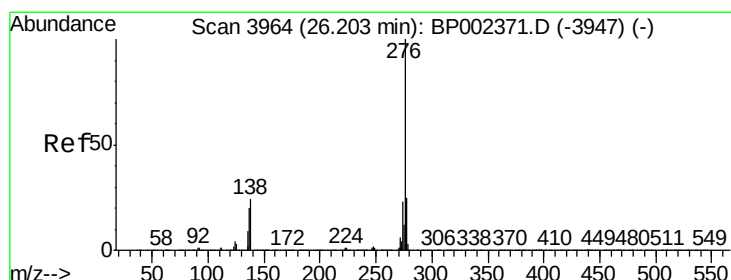
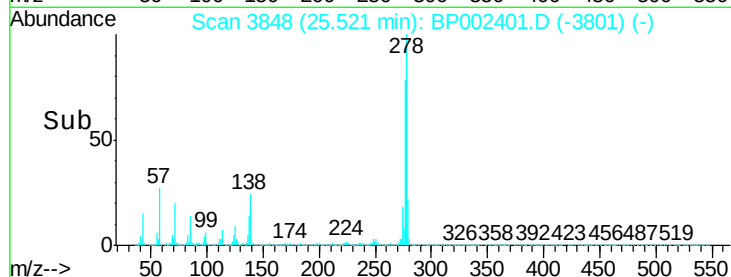
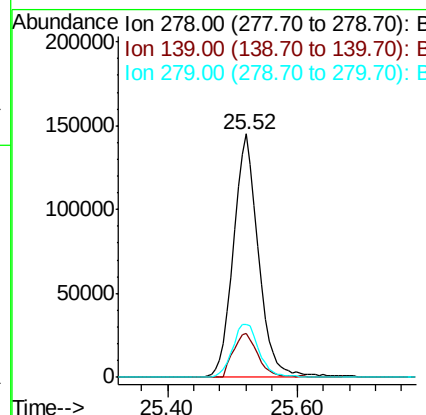
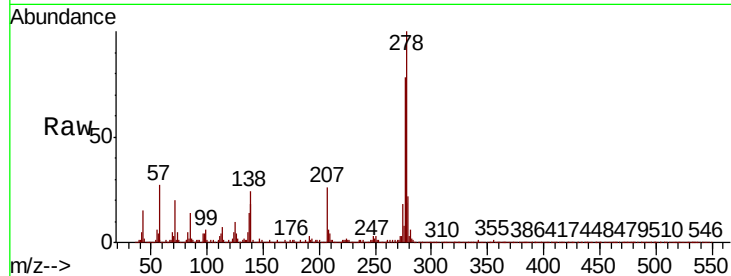




#91
Dibenzo(a,h)anthracene
Concen: 9.036 ng
RT: 25.52 min Scan# 3848
Delta R.T. -0.02 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot	Ion:278	Resp:	387256
Ion	Ratio	Lower	Upper
278	100		
139	18.0	13.1	19.7
279	22.0	18.9	28.3



#92
Benzo(g,h,i)perylene
Concen: 8.733 ng
RT: 26.17 min Scan# 3959
Delta R.T. -0.03 min
Lab File: BP002401.D
Acq: 12 Jun 2020 16:48

Tgt Ion	276	Resp: Lower	387636 Upper
	Ratio		
276	100		
277	23.5	19.8	29.6
138	23.3	19.2	28.8

