

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061020\
 Data File : BP002382.D
 Acq On : 10 Jun 2020 19:25
 Operator : CG/JU
 Sample : L1161-01
 Misc : LOD-MDL-S-5PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 11 04:39:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 03:54:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	174007	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	662866	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	436454	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	991217	20.00	ng	0.00
76) Chrysene-d12	21.10	240	1001243	20.00	ng	-0.01
86) Perylene-d12	23.29	264	1158071	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1486261	158.05	ng	0.00
7) Phenol-d6	6.78	99	1932726	154.37	ng	0.00
23) Nitrobenzene-d5	8.73	82	1280693	115.38	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	942104	225.45	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2935655	113.09	ng	0.00
79) Terphenyl-d14	19.59	244	4483754	117.34	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.17	88	22538	5.203	ng	98
3) Pyridine	3.56	79	52376	4.449	ng	96
4) n-Nitrosodimethylamine	3.47	42	21853	4.504	ng	# 98
6) Aniline	6.92	93	82955	4.872	ng	98
8) 2-Chlorophenol	7.16	128	53614	5.071	ng	94
9) Benzaldehyde	6.74	77	50697	7.925	ng	97
10) Phenol	6.80	94	66437	4.893	ng	94
11) bis(2-Chloroethyl)ether	7.03	93	54460	4.804	ng	99
12) 1,3-Dichlorobenzene	7.48	146	61006	5.011	ng	97
13) 1,4-Dichlorobenzene	7.63	146	63047	5.147	ng	98
14) 1,2-Dichlorobenzene	7.94	146	60694	5.172	ng	95
15) Benzyl Alcohol	7.83	79	40687	4.193	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.13	45	72326	4.496	ng	98
17) 2-Methylphenol	8.04	107	42608	4.294	ng	97
18) Hexachloroethane	8.66	117	21771	4.878	ng	96
19) n-Nitroso-di-n-propylamine	8.39	70	41591	4.970	ng	96
20) 3+4-Methylphenols	8.36	107	55922	4.176	ng	97
22) Acetophenone	8.40	105	83851	5.631	ng	# 99
24) Nitrobenzene	8.78	77	66316	5.558	ng	100
25) Isophorone	9.30	82	112658	4.983	ng	100
26) 2-Nitrophenol	9.49	139	23735	4.464	ng	100
27) 2,4-Dimethylphenol	9.56	122	28886	3.463	ng	92
28) bis(2-Chloroethoxy)methane	9.79	93	72184	5.361	ng	99
29) 2,4-Dichlorophenol	10.02	162	47014	5.007	ng	98
30) 1,2,4-Trichlorobenzene	10.23	180	59750	5.709	ng	97
31) Naphthalene	10.41	128	175044	5.684	ng	99
32) Benzoic acid	9.64	122	2309	0.364	ng	# 78
33) 4-Chloroaniline	10.52	127	67918	5.052	ng	99
34) Hexachlorobutadiene	10.72	225	34532	5.654	ng	98
35) Caprolactam	11.26	113	15838	4.783	ng	93
36) 4-Chloro-3-methylphenol	11.66	107	48985	4.822	ng	99
37) 2-Methylnaphthalene	12.03	142	125544	5.744	ng	98
38) 1-Methylnaphthalene	12.26	142	120285	5.863	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.42	216	71588	6.222	ng	99

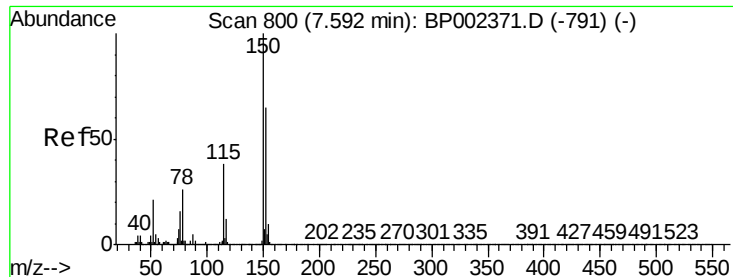
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.40	237	26253	4.292	ng	97
43) 2,4,6-Trichlorophenol	12.66	196	38863	4.773	ng	98
44) 2,4,5-Trichlorophenol	12.73	196	40829	4.330	ng	96
46) 1,1'-Biphenyl	13.06	154	176032	6.154	ng	97
47) 2-Chloronaphthalene	13.10	162	129037	5.515	ng	95
48) 2-Nitroaniline	13.30	65	26865	3.597	ng	97
49) Acenaphthylene	13.95	152	197877	5.299	ng	99
50) Dimethylphthalate	13.70	163	161676	5.406	ng	99
51) 2,6-Dinitrotoluene	13.81	165	29033	4.470	ng	98
52) Acenaphthene	14.30	154	121353	5.547	ng	100
53) 3-Nitroaniline	14.14	138	28227	3.806	ng	96
54) 2,4-Dinitrophenol	14.36	184	7010	1.968	ng	98
55) Dibenzofuran	14.64	168	207049	5.878	ng	98
56) 4-Nitrophenol	14.46	139	19393	3.294	ng	98
57) 2,4-Dinitrotoluene	14.60	165	37537	4.246	ng	98
58) Fluorene	15.29	166	159568	5.760	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.87	232	40002	5.345	ng	94
60) Diethylphthalate	15.08	149	157545	5.258	ng	99
61) 4-Chlorophenyl-phenylether	15.30	204	85858	6.393	ng	92
62) 4-Nitroaniline	15.30	138	28694	4.027	ng	92
63) Azobenzene	15.59	77	149180	5.001	ng	98
65) 4,6-Dinitro-2-methylphenol	15.37	198	17133	3.276	ng	94
66) n-Nitrosodiphenylamine	15.51	169	139100	5.493	ng	97
67) 4-Bromophenyl-phenylether	16.19	248	53009	5.645	ng	94
68) Hexachlorobenzene	16.30	284	63435	6.366	ng	97
69) Atrazine	16.47	200	51315	6.212	ng	99
70) Pentachlorophenol	16.65	266	22223	3.728	ng	96
71) Phenanthrene	17.03	178	266033	5.738	ng	99
72) Anthracene	17.13	178	261666	5.681	ng	96
73) Carbazole	17.40	167	232005	5.120	ng	99
74) Di-n-butylphthalate	17.99	149	241907	4.511	ng	98
75) Fluoranthene	19.02	202	308233	5.569	ng	99
77) Benzidine	19.20	184	116805	5.221	ng	99
78) Pyrene	19.37	202	332975	5.429	ng	97
80) Butylbenzylphthalate	20.27	149	100245	3.677	ng	95
81) Benzo(a)anthracene	21.08	228	329978	5.774	ng	99
82) 3,3'-Dichlorobenzidine	21.02	252	115965	5.460	ng	97
83) Chrysene	21.13	228	328416	6.065	ng	97
84) Bis(2-ethylhexyl)phthalate	21.04	149	167060	4.213	ng	99
85) Di-n-octyl phthalate	21.90	149	275768	3.965	ng	99
87) Indeno(1,2,3-cd)pyrene	25.50	276	388439	5.363	ng	97
88) Benzo(b)fluoranthene	22.64	252	316717	5.071	ng	99
89) Benzo(k)fluoranthene	22.68	252	337492	5.688	ng	100
90) Benzo(a)pyrene	23.20	252	293129	5.009	ng	98
91) Dibenzo(a,h)anthracene	25.52	278	323545	5.569	ng	99
92) Benzo(g,h,i)perylene	26.17	276	324215	5.388	ng	95

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 800

Delta R.T. 0.00 min

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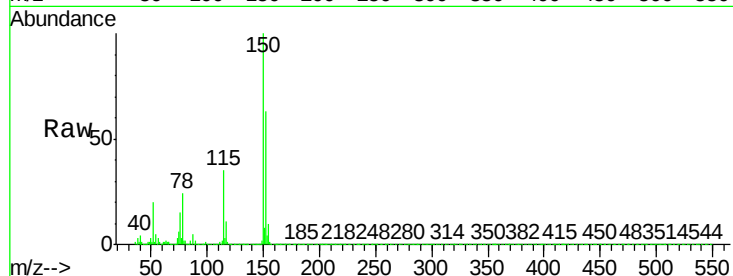
Tot Ion:152 Resp: 174007

Ion Ratio Lower Upper

152 100

150 158.0 124.0 186.0

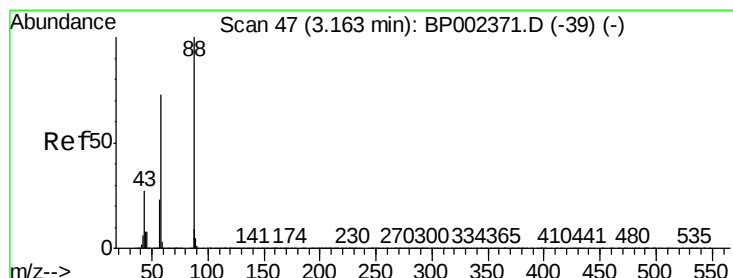
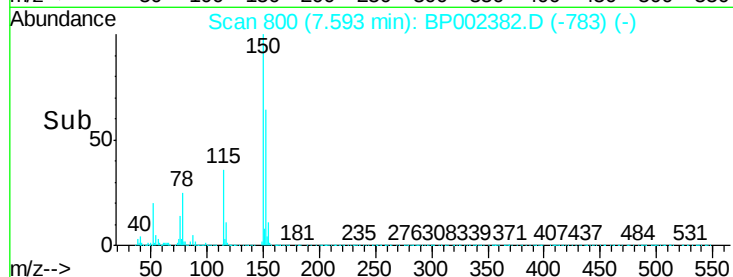
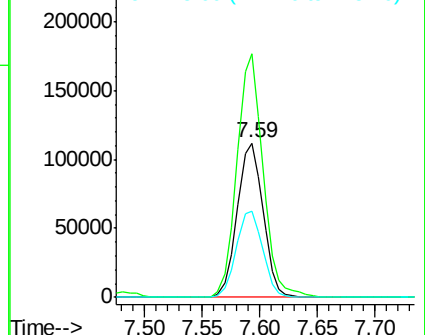
115 55.7 47.4 71.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 5.203 ng

RT: 3.17 min Scan# 48

Delta R.T. 0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

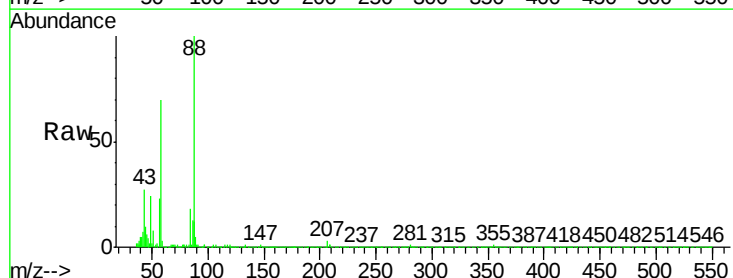
Tgt Ion: 88 Resp: 22538

Ion Ratio Lower Upper

88 100

58 71.3 58.2 87.4

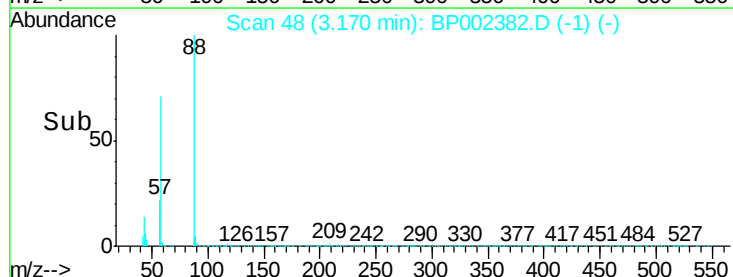
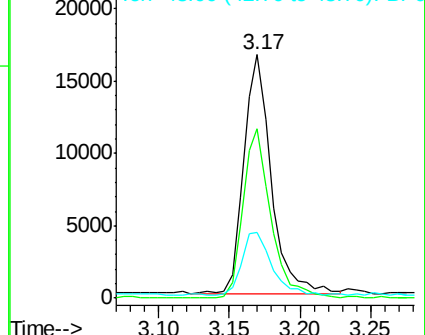
43 28.7 21.8 32.8



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: 4.449 ng

RT: 3.56 min Scan# 114

Delta R.T. 0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

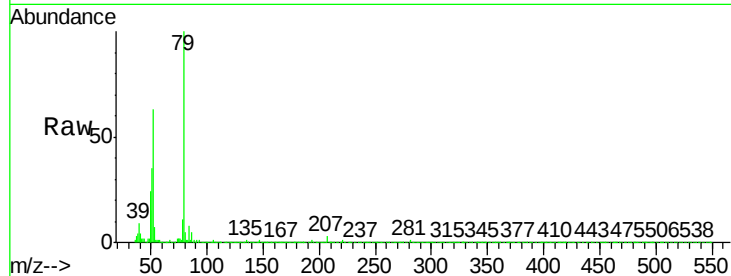
Tot Ion: 79 Resp: 52376

Ion Ratio Lower Upper

79 100

52 62.7 52.5 78.7

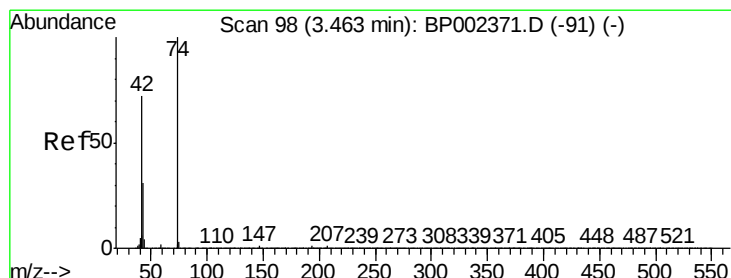
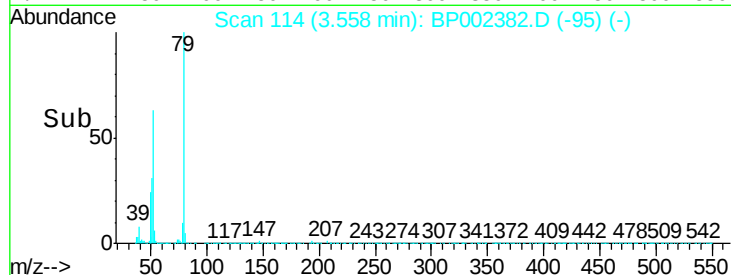
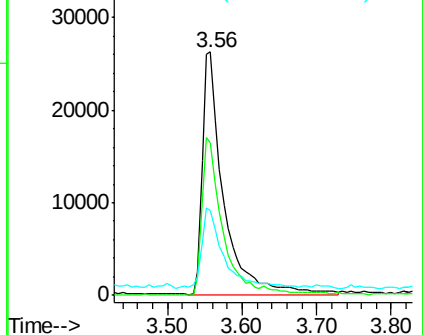
51 35.1 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BP0

Ion 52.00 (51.70 to 52.70): BP0

Ion 51.00 (50.70 to 51.70): BP0



#4

n-Nitrosodimethylamine

Concen: 4.504 ng

RT: 3.47 min Scan# 99

Delta R.T. 0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

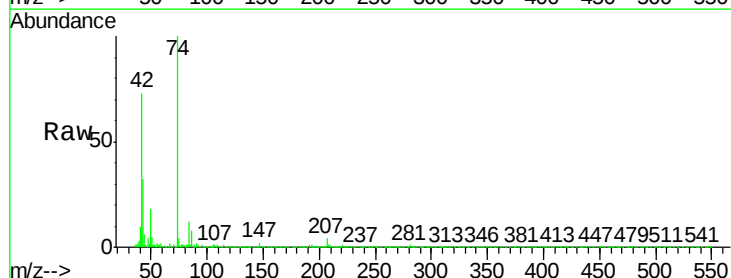
Tgt Ion: 42 Resp: 21853

Ion Ratio Lower Upper

42 100

74 137.0 111.1 166.7

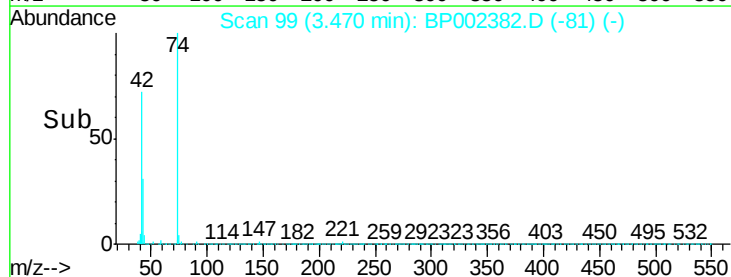
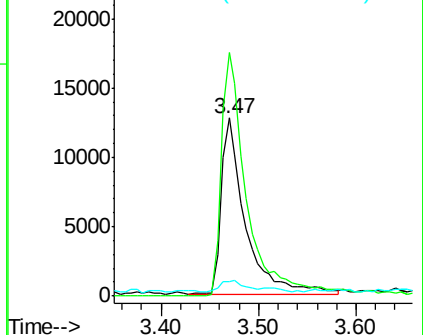
44 8.1 5.4 8.0#

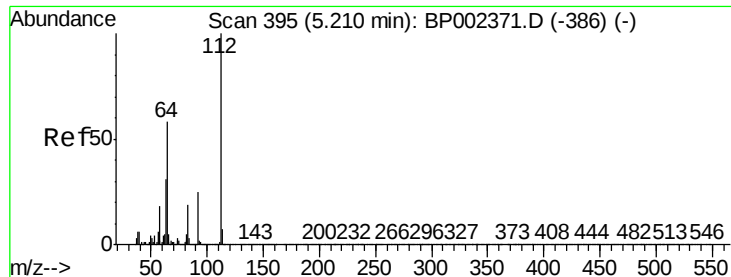


Abundance Ion 42.00 (41.70 to 42.70): BP0

Ion 74.00 (73.70 to 74.70): BP0

Ion 44.00 (43.70 to 44.70): BP0





#5

2-Fluorophenol

Concen: 158.051 ng

RT: 5.21 min Scan# 395

Delta R.T. 0.00 min

Lab File: BP002382.D

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Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

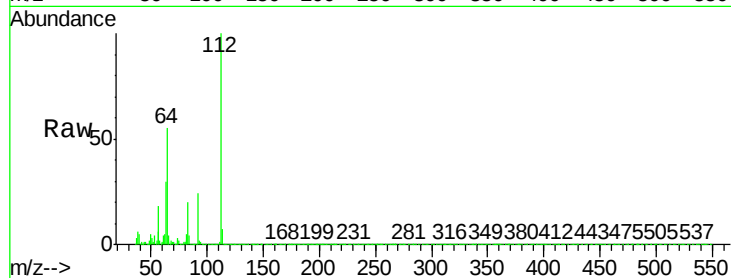
Tot Ion:112 Resp: 1486261

Ion Ratio Lower Upper

112 100

64 55.4 46.2 69.2

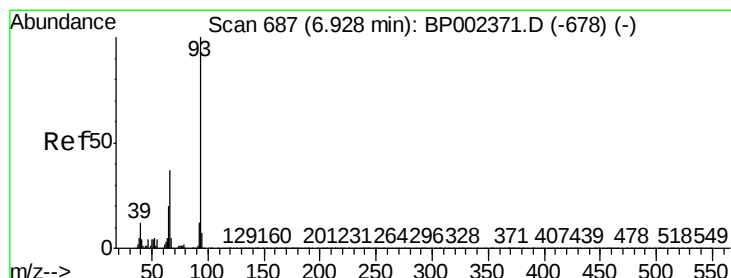
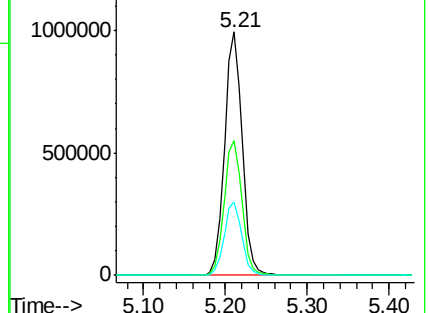
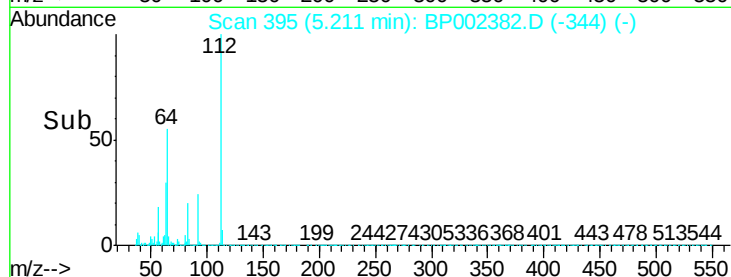
63 30.0 24.5 36.7



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 4.872 ng

RT: 6.92 min Scan# 686

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

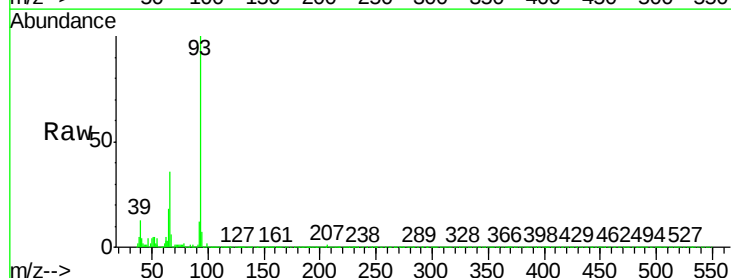
Tgt Ion: 93 Resp: 82955

Ion Ratio Lower Upper

93 100

66 36.0 29.8 44.6

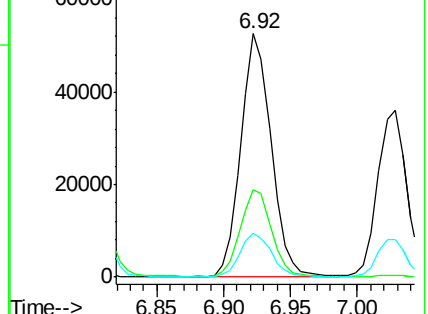
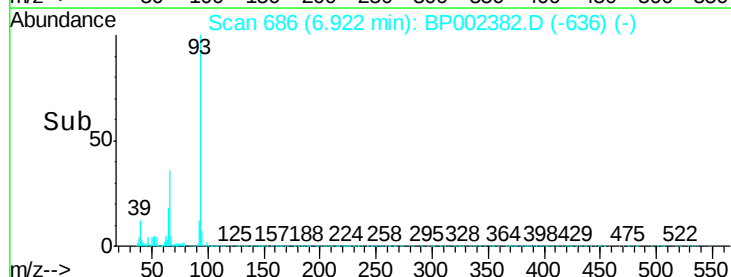
65 18.1 15.7 23.5

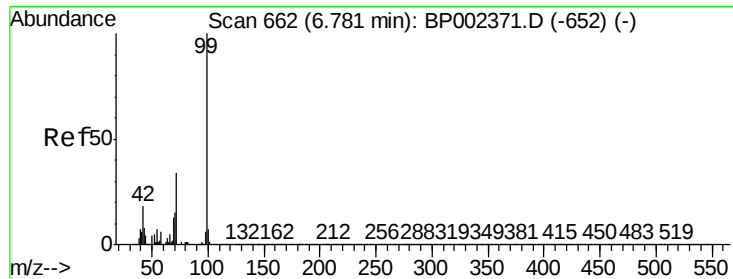


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 154.371 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

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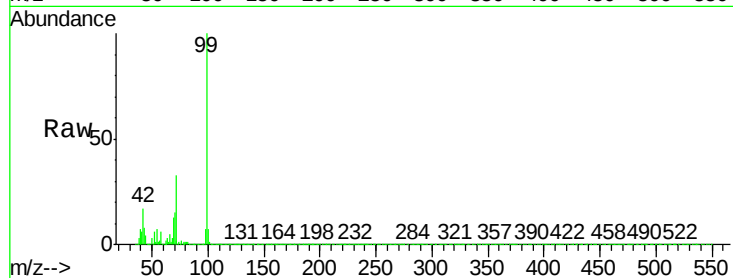
Tot Ion: 99 Resp: 1932726

Ion Ratio Lower Upper

99 100

42 17.5 14.6 22.0

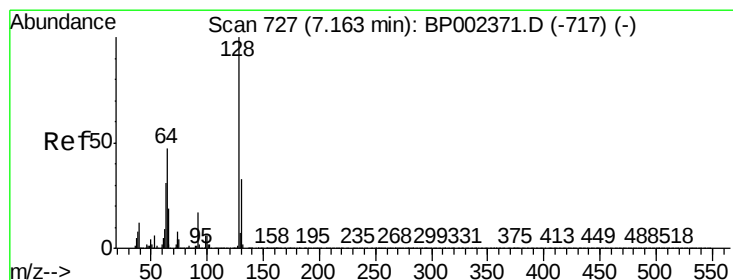
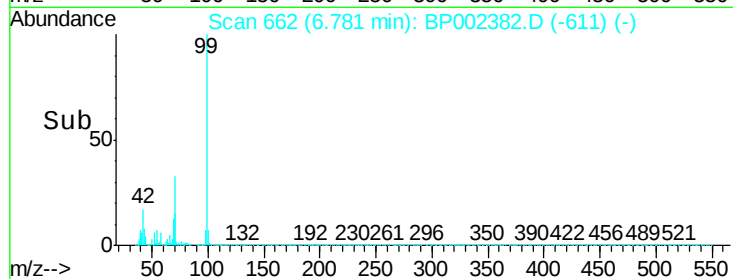
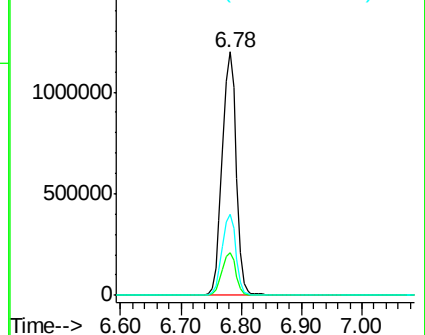
71 33.2 27.2 40.8



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: 5.071 ng

RT: 7.16 min Scan# 726

Delta R.T. -0.01 min

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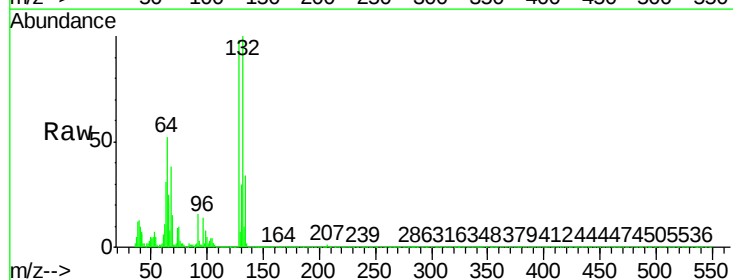
Tgt Ion: 128 Resp: 53614

Ion Ratio Lower Upper

128 100

130 30.9 12.5 52.5

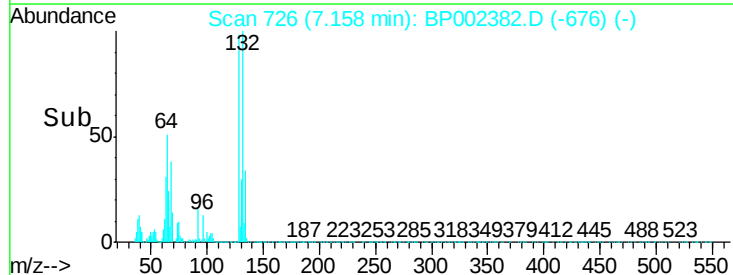
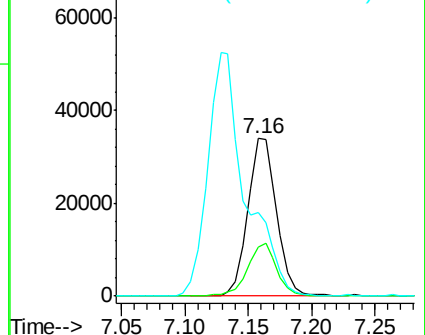
64 52.8 27.7 67.7

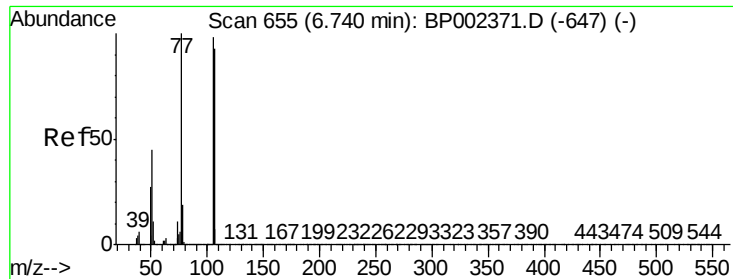


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0

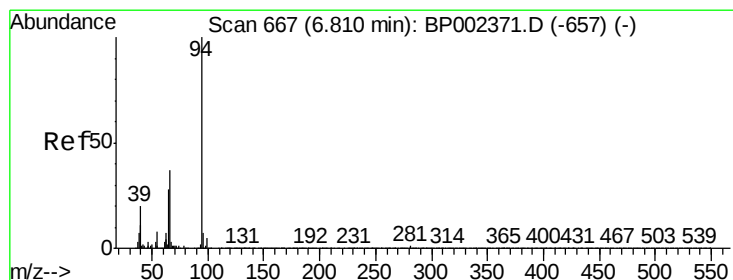
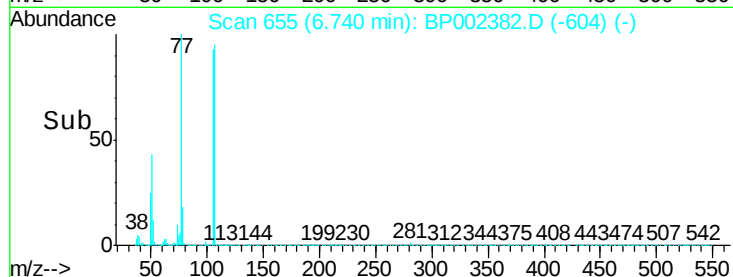
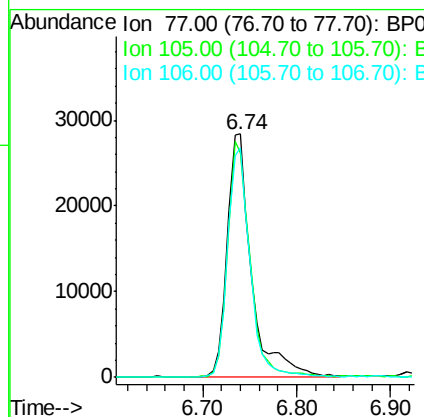
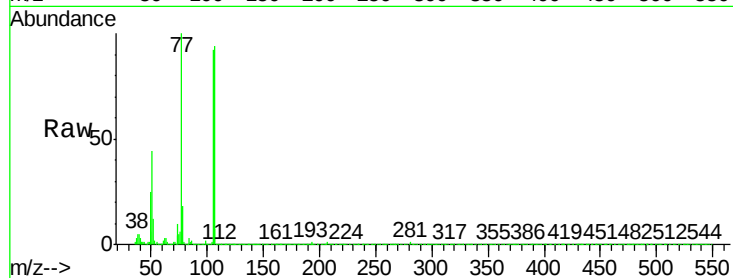




#9
Benzaldehyde
Concen: 7.925 ng
RT: 6.74 min Scan# 655
Delta R.T. 0.00 min
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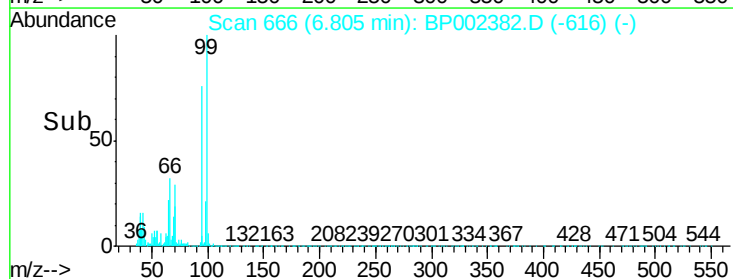
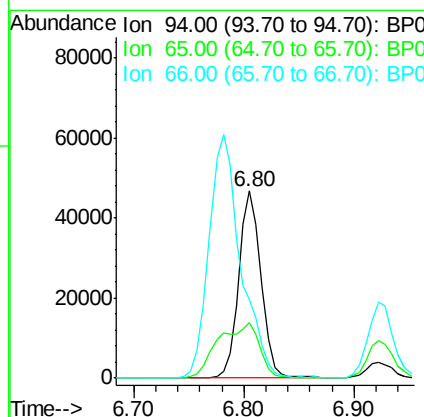
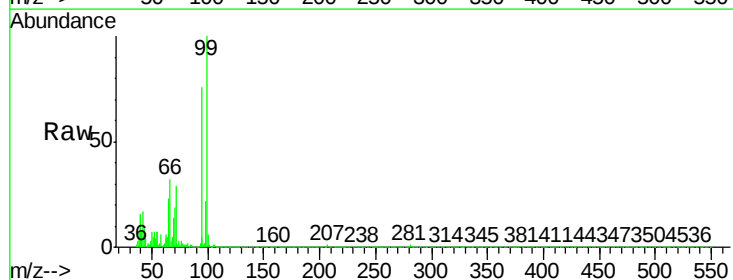
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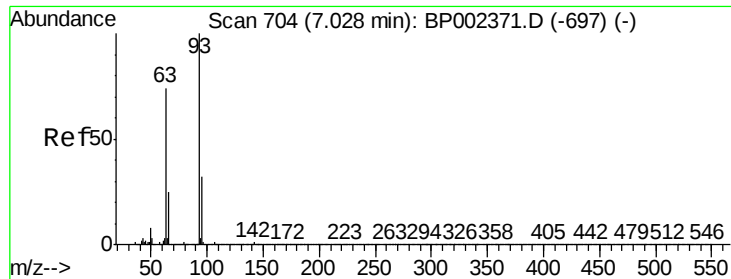
Tot Ion: 77 Resp: 50697
Ion Ratio Lower Upper
77 100
105 92.3 78.1 118.1
106 94.0 73.2 113.2



#10
Phenol
Concen: 4.893 ng
RT: 6.80 min Scan# 666
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion: 94 Resp: 66437
Ion Ratio Lower Upper
94 100
65 29.9 7.7 47.7
66 41.7 16.9 56.9

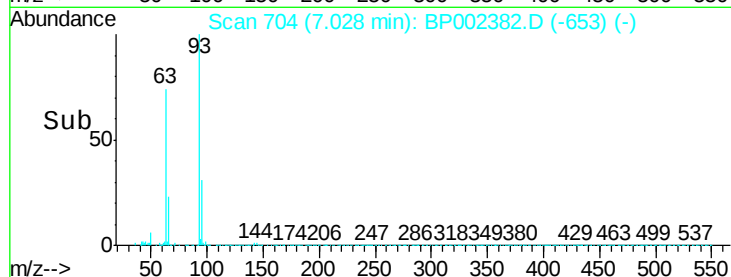
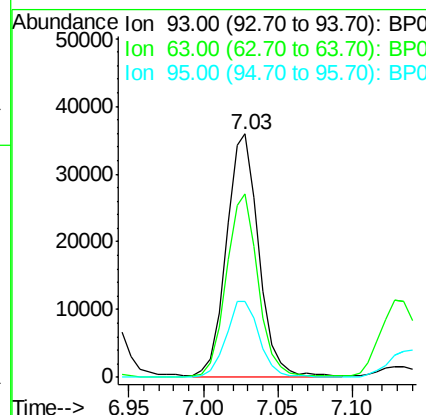
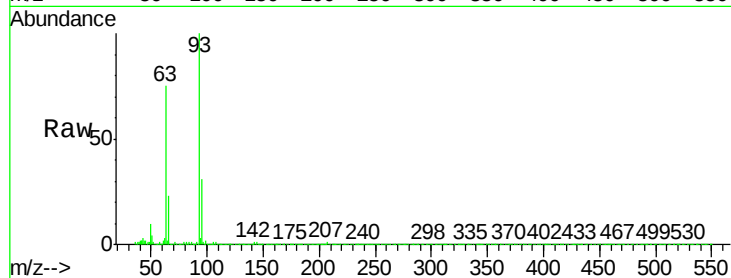




#11
bis(2-Chloroethyl)ether
Concen: 4.804 ng
RT: 7.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

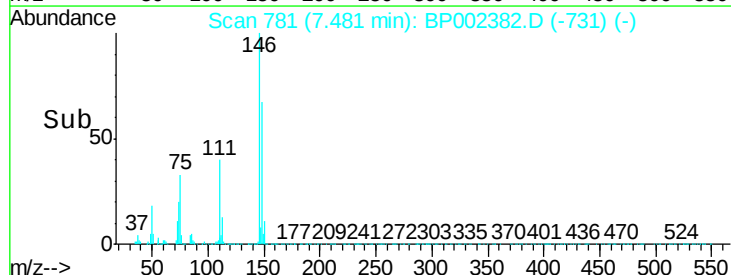
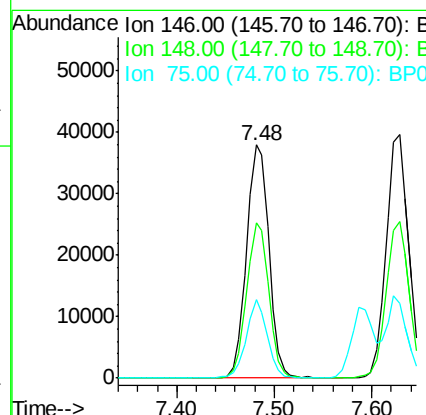
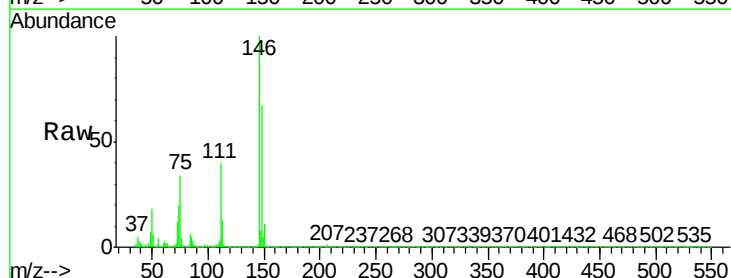
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

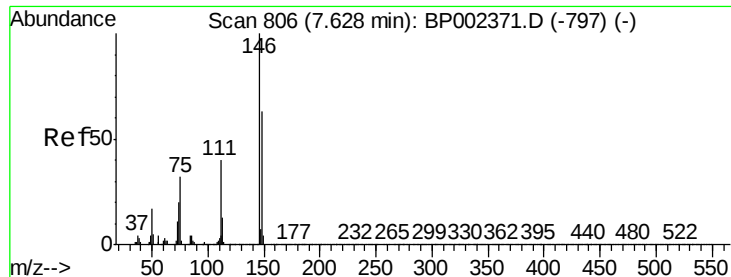
Tot Ion	93	Resp	54460
Ion Ratio	Lower	Upper	
93	100		
63	75.2	54.2	94.2
95	31.0	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 5.011 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion	146	Resp	61006
Ion Ratio	Lower	Upper	
146	100		
148	66.5	51.6	77.4
75	33.6	25.0	37.4





#13

1,4-Dichlorobenzene

Concen: 5.147 ng

RT: 7.63 min Scan# 806

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

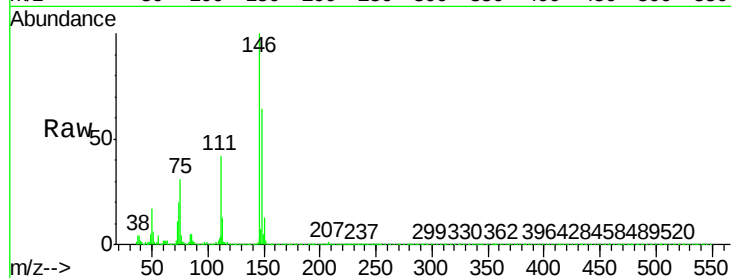
Tot Ion:146 Resp: 63047

Ion Ratio Lower Upper

146 100

148 64.2 50.7 76.1

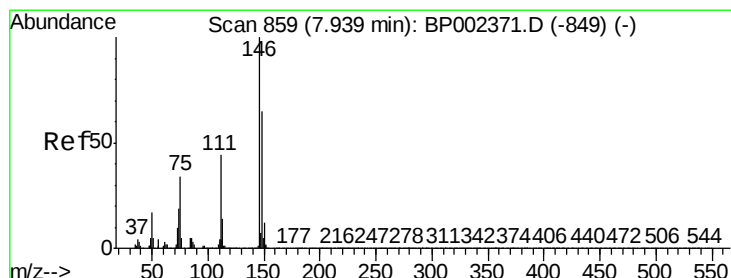
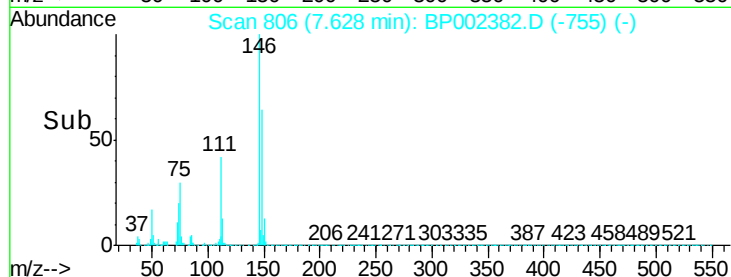
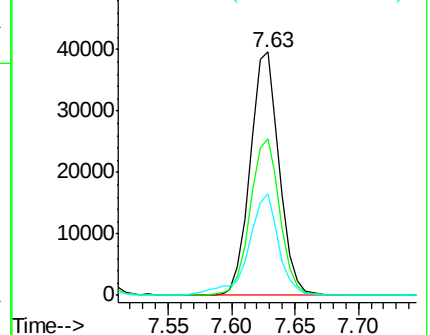
111 41.9 32.2 48.2



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: 5.172 ng

RT: 7.94 min Scan# 859

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

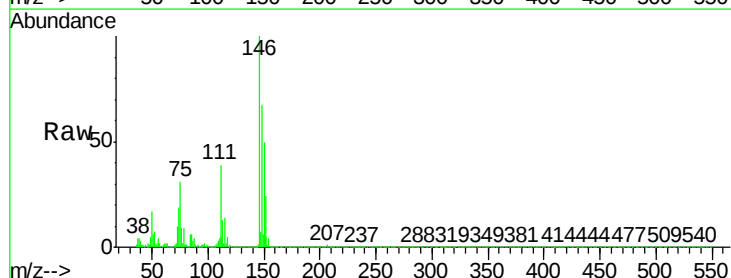
Tgt Ion:146 Resp: 60694

Ion Ratio Lower Upper

146 100

148 67.5 51.8 77.6

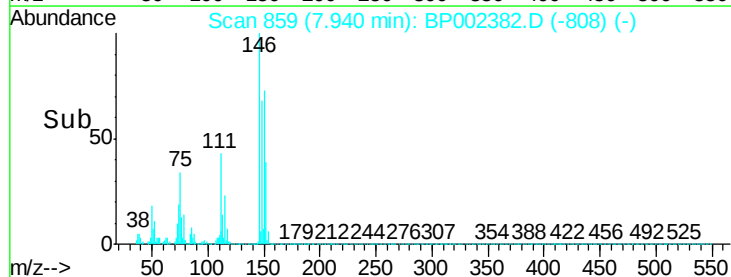
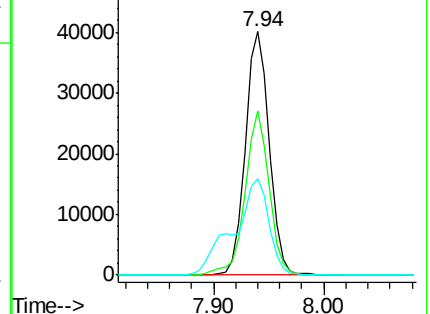
111 39.4 35.4 53.2



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

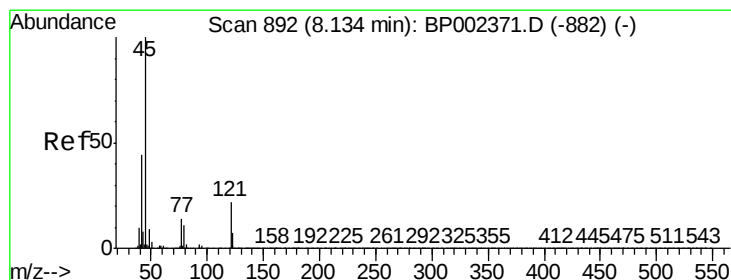
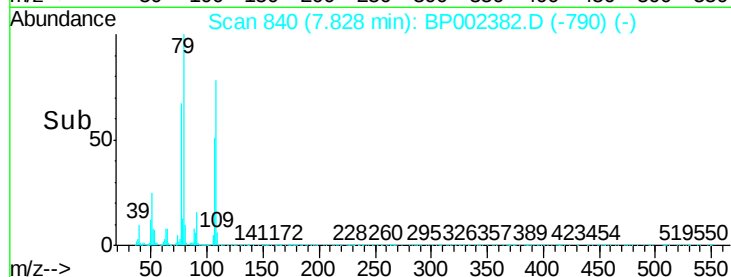
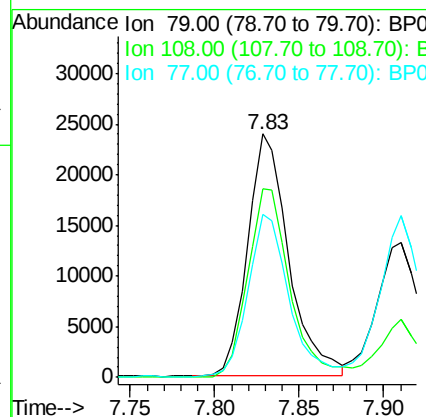
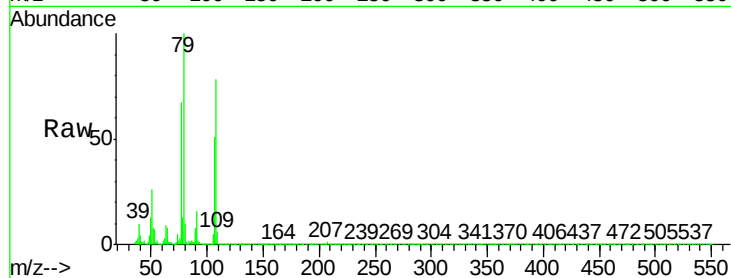




#15
Benzyl Alcohol
Concen: 4.193 ng
RT: 7.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

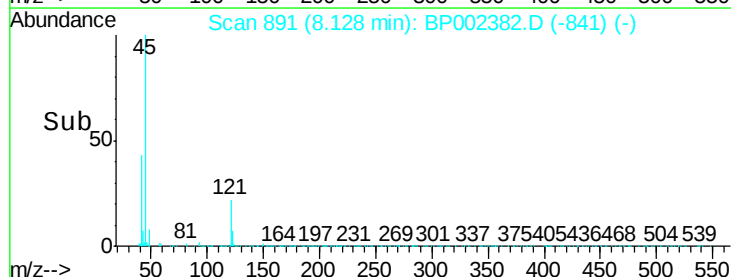
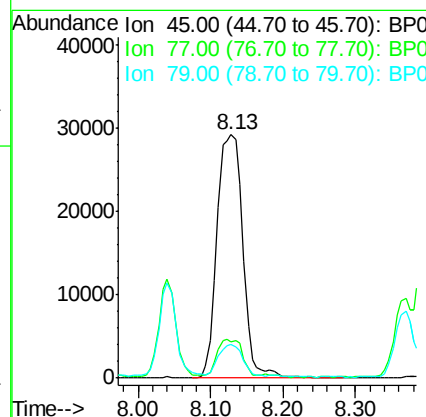
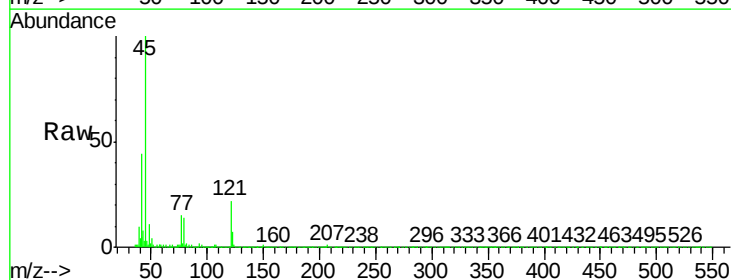
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

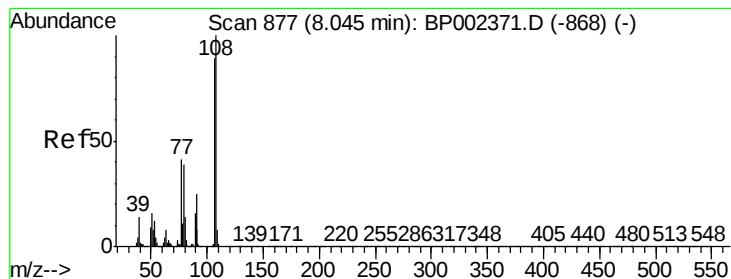
Tot Ion	Ratio	Lower	Upper
79	100		
108	77.7	62.6	94.0
77	67.1	51.5	77.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 4.496 ng
RT: 8.13 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	35.0
79	13.6	0.0	32.0





#17

2-Methylphenol

Concen: 4.294 ng

RT: 8.04 min Scan# 876

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:107 Resp: 42608

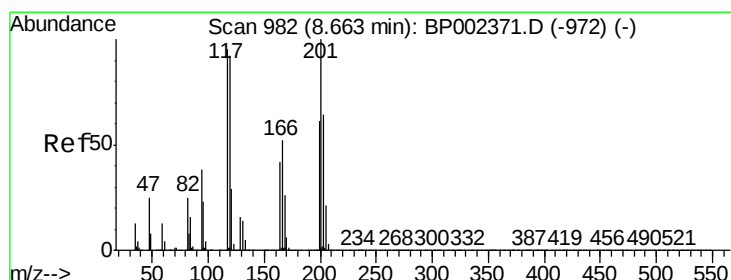
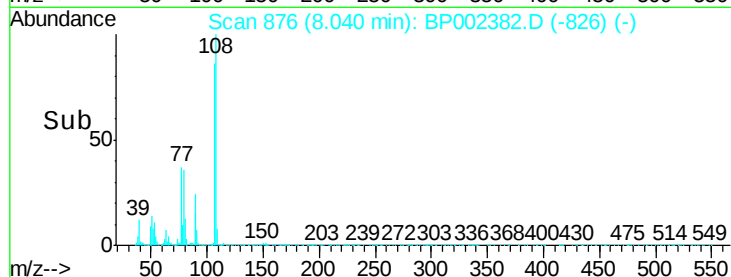
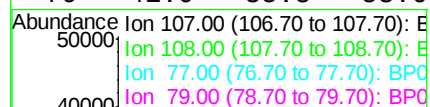
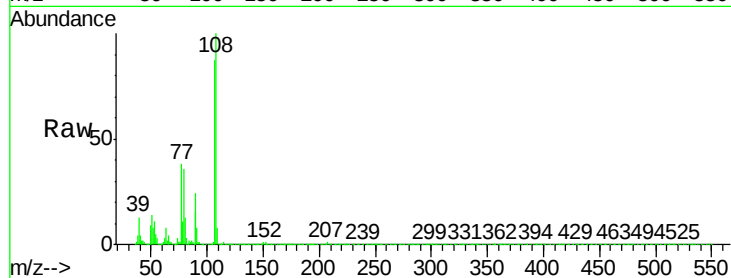
Ion Ratio Lower Upper

107 100

108 115.6 90.3 135.5

77 43.6 37.1 55.7

79 41.9 35.8 53.6



#18

Hexachloroethane

Concen: 4.878 ng

RT: 8.66 min Scan# 981

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

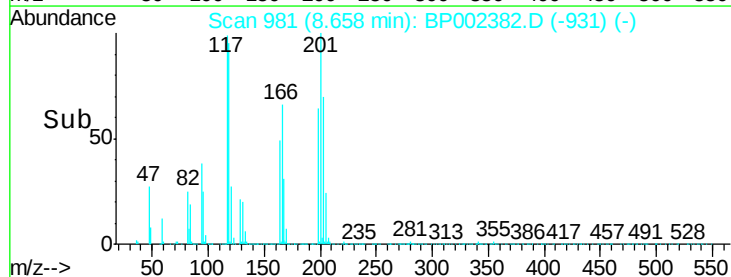
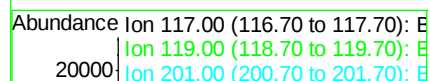
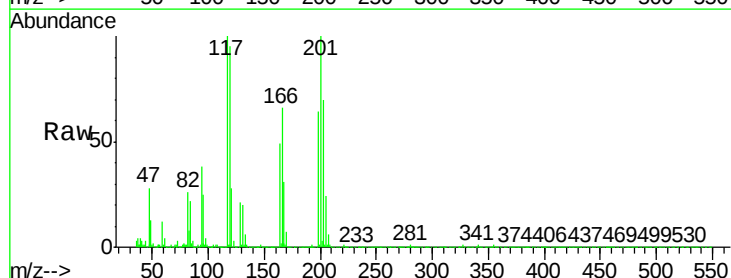
Tgt Ion:117 Resp: 21771

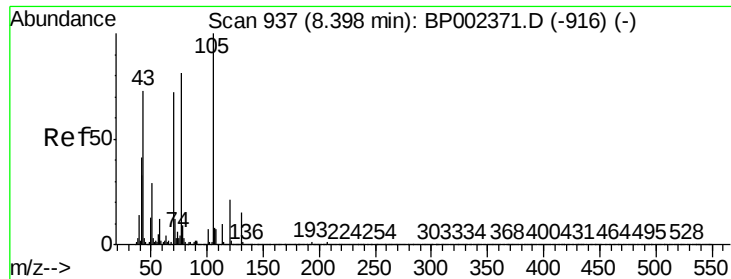
Ion Ratio Lower Upper

117 100

119 94.7 77.8 116.8

201 100.1 84.2 126.4

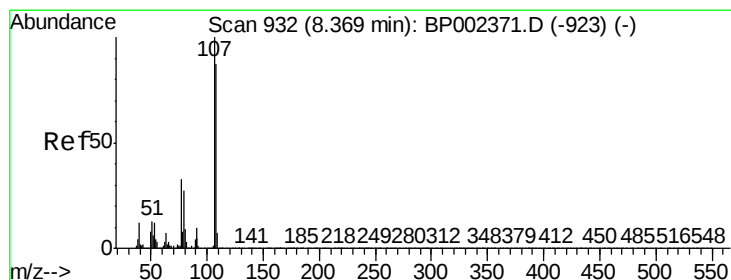
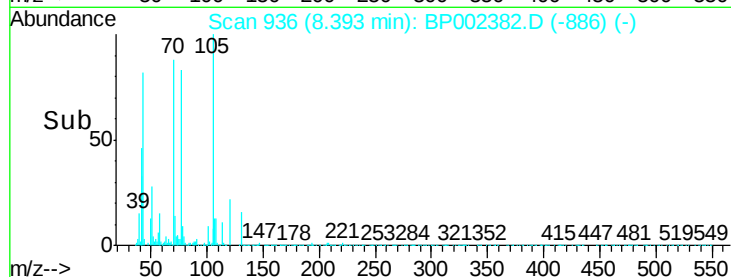
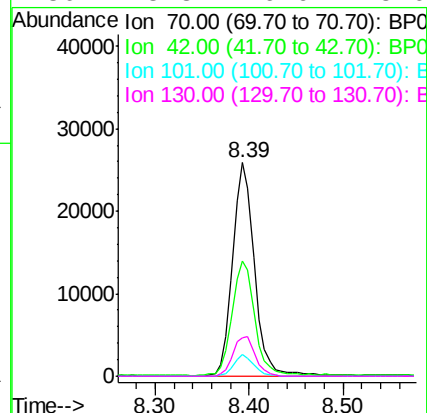
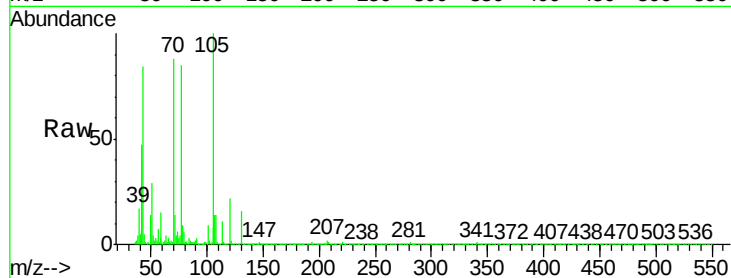




#19
n-Nitroso-di-n-propylamine
Concen: 4.970 ng
RT: 8.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

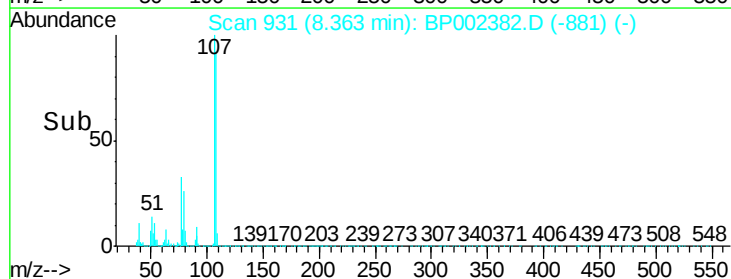
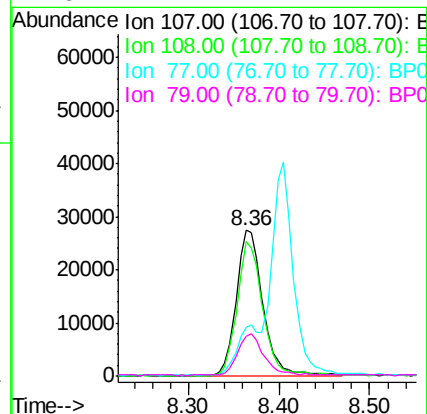
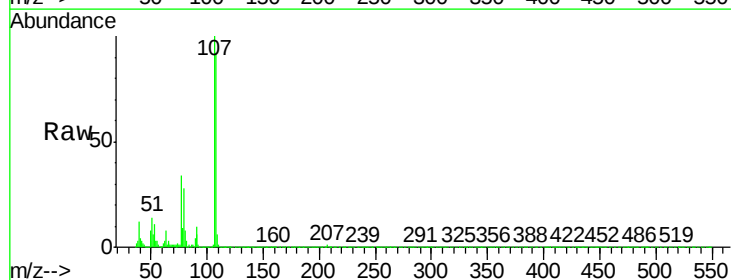
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

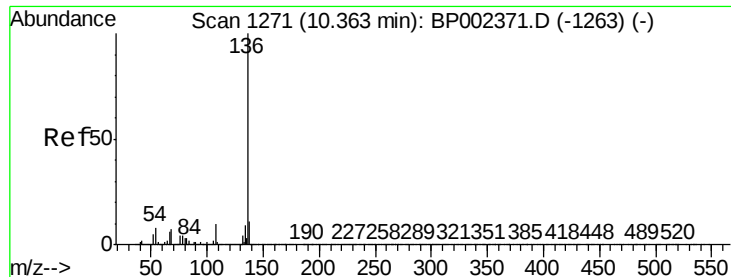
Tot Ion:	70	Resp:	41591
Ion	Ratio	Lower	Upper
70	100		
42	53.8	45.7	68.5
101	10.0	7.5	11.3
130	18.3	16.6	25.0



#20
3+4-Methylphenols
Concen: 4.176 ng
RT: 8.36 min Scan# 931
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:	107	Resp:	55922
Ion	Ratio	Lower	Upper
107	100		
108	92.4	67.5	107.5
77	33.5	13.5	53.5
79	27.7	7.4	47.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1271

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:136 Resp: 662866

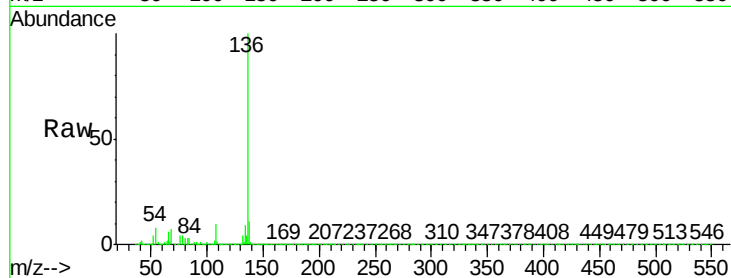
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.9 6.4 9.6

68 6.8 5.6 8.4

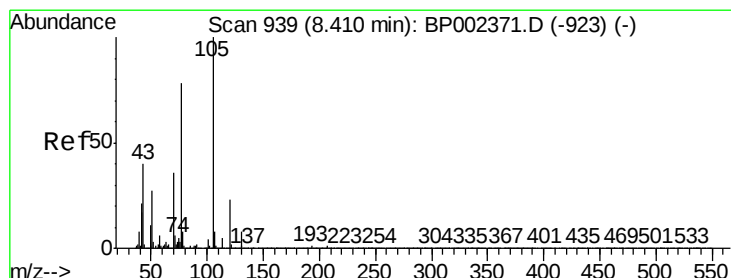
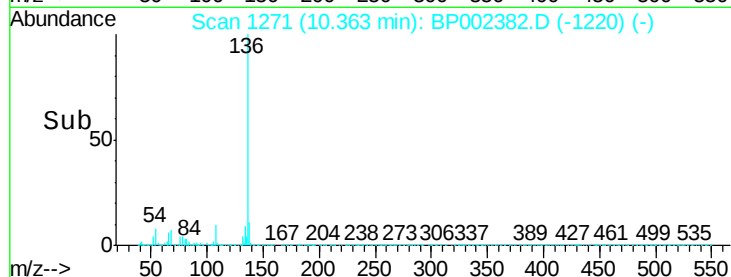
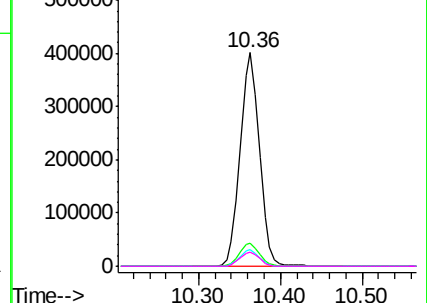


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0



#22

Acetophenone

Concen: 5.631 ng

RT: 8.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Tgt Ion:105 Resp: 83851

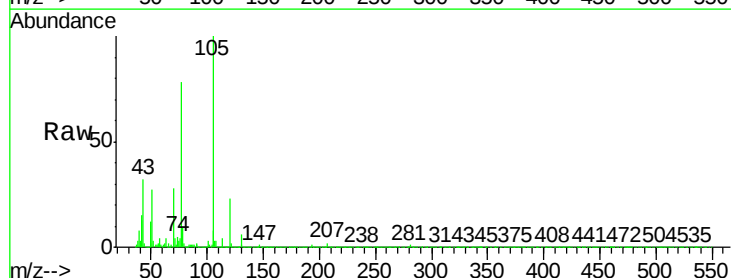
Ion Ratio Lower Upper

105 100

71 4.2 4.7 7.1#

51 26.9 21.4 32.0

120 22.7 18.1 27.1

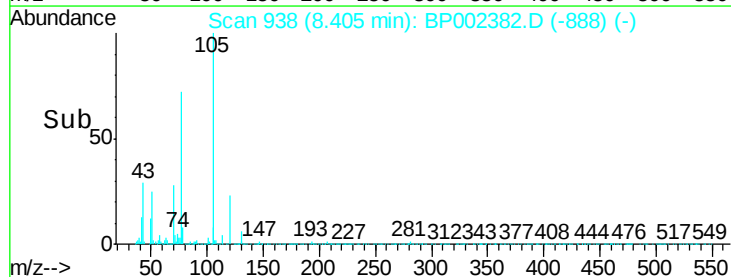
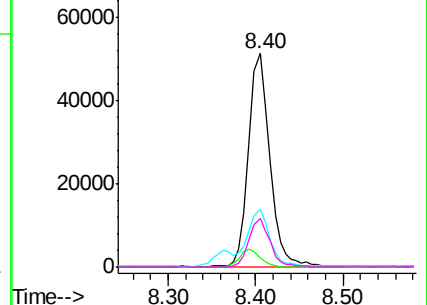


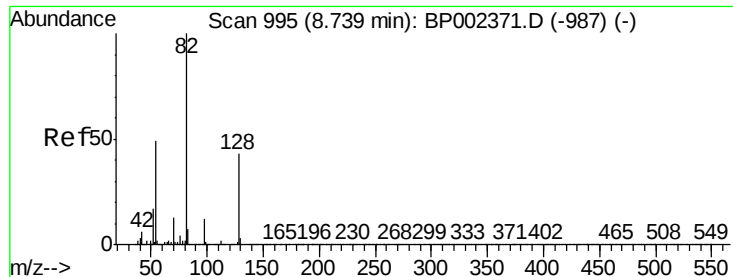
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BP0

Ion 51.00 (50.70 to 51.70): BP0

Ion 120.00 (119.70 to 120.70): E

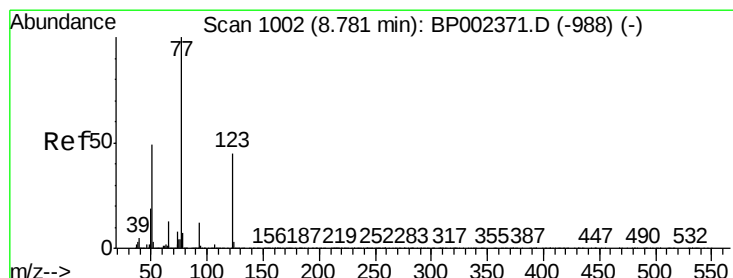
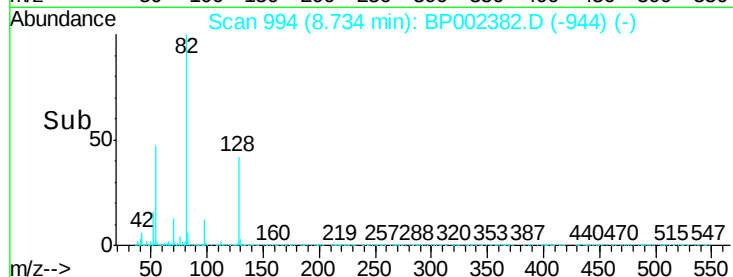
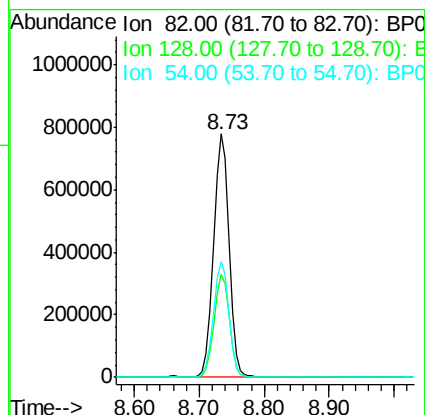
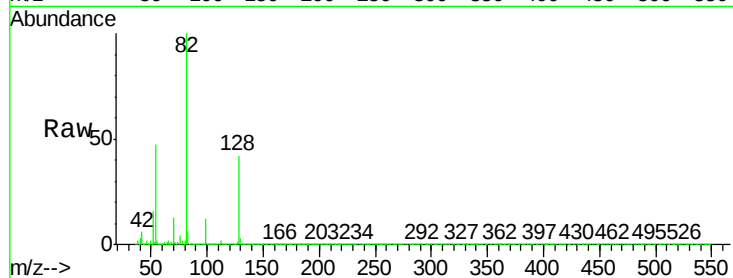




#23
Nitrobenzene-d5
Concen: 115.380 ng
RT: 8.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

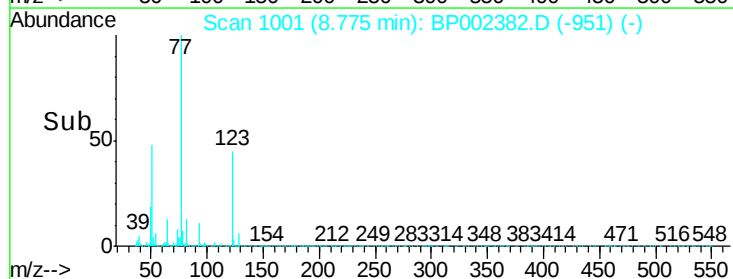
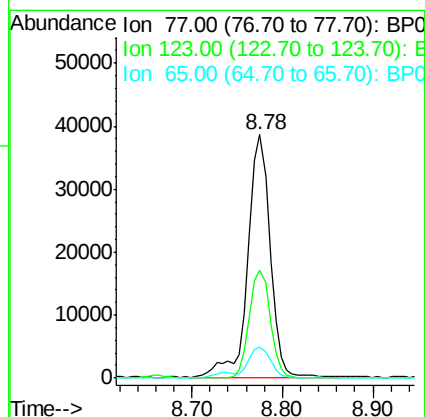
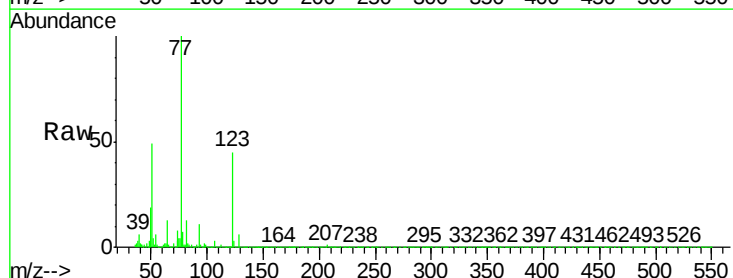
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

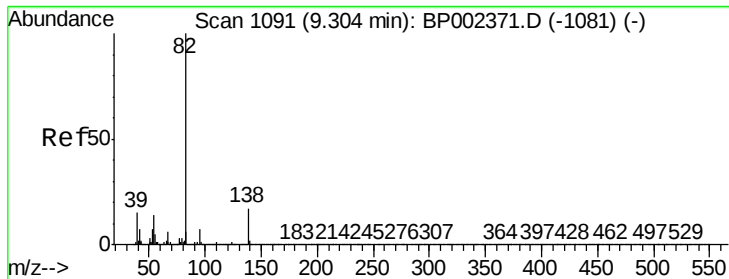
Tot Ion: 82 Resp: 1280693
Ion Ratio Lower Upper
82 100
128 42.5 34.5 51.7
54 47.4 39.4 59.2



#24
Nitrobenzene
Concen: 5.558 ng
RT: 8.78 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion: 77 Resp: 66316
Ion Ratio Lower Upper
77 100
123 44.6 35.8 53.8
65 12.9 10.5 15.7





#25

Isophorone

Concen: 4.983 ng

RT: 9.30 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

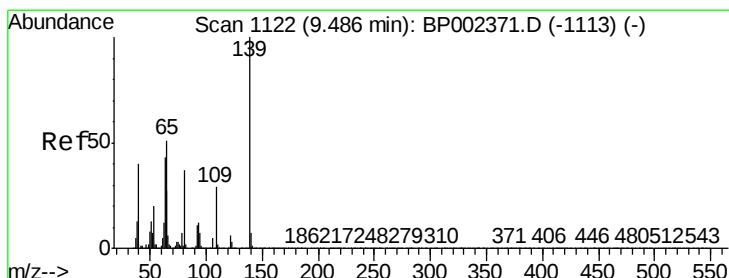
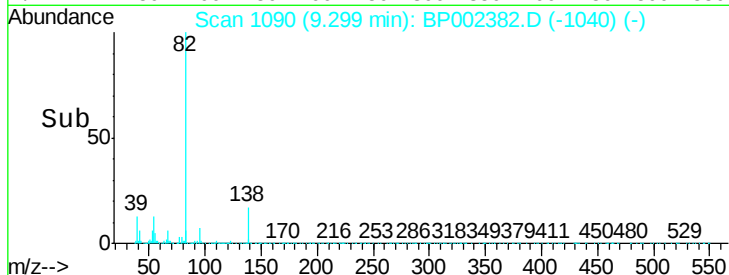
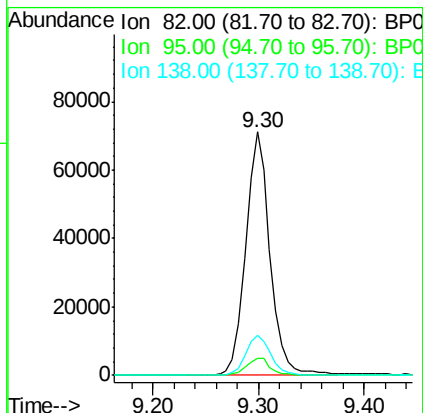
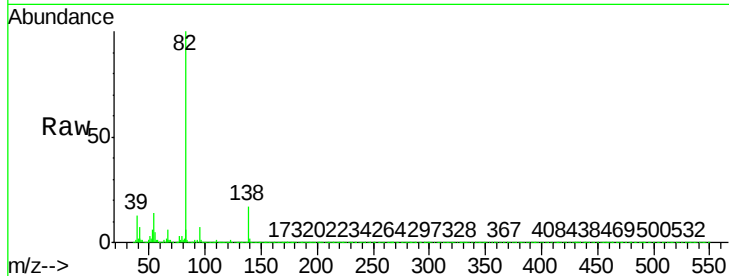
Tot Ion: 82 Resp: 112658

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.2

138 16.5 13.4 20.0



#26

2-Nitrophenol

Concen: 4.464 ng

RT: 9.49 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

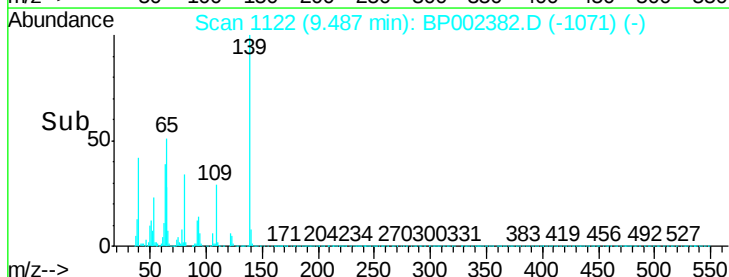
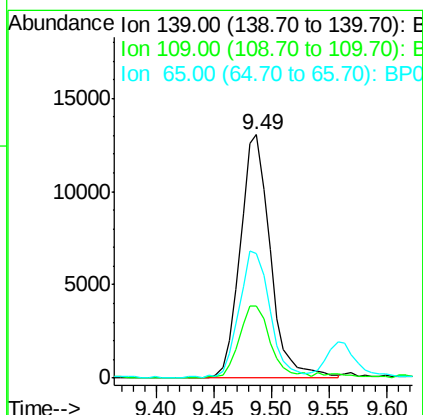
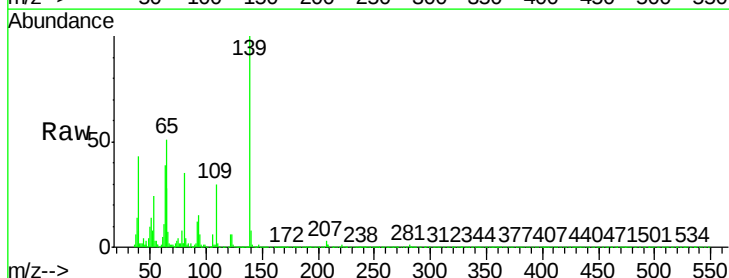
Tgt Ion: 139 Resp: 23735

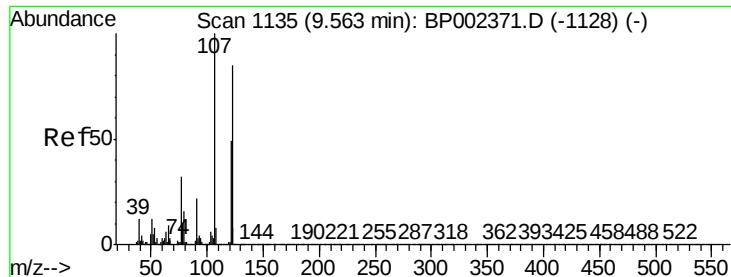
Ion Ratio Lower Upper

139 100

109 29.7 23.4 35.2

65 51.4 41.1 61.7

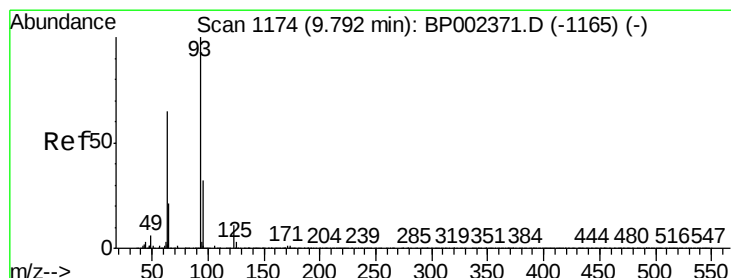
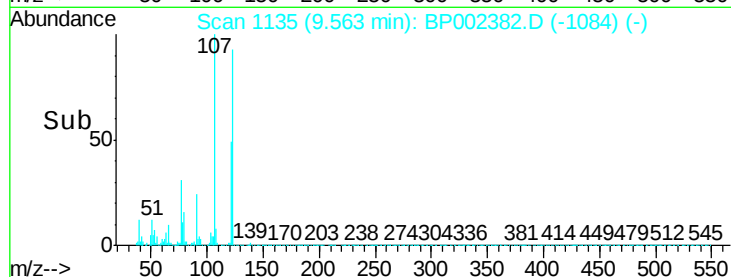
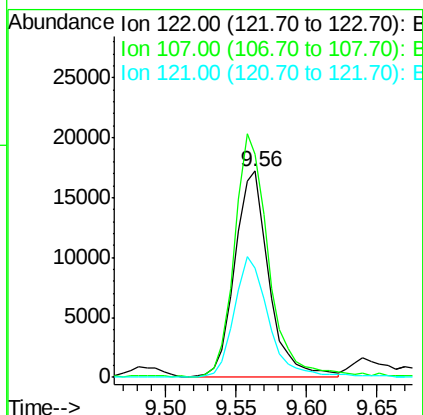
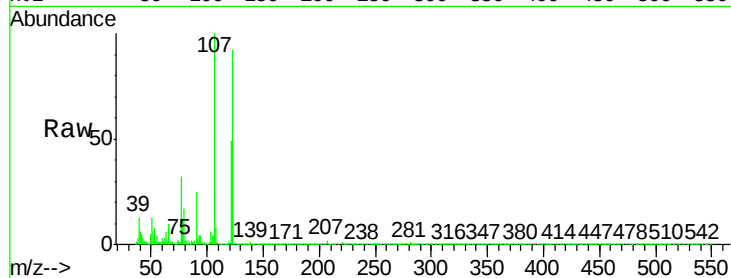




#27
2,4-Dimethylphenol
Concen: 3.463 ng
RT: 9.56 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

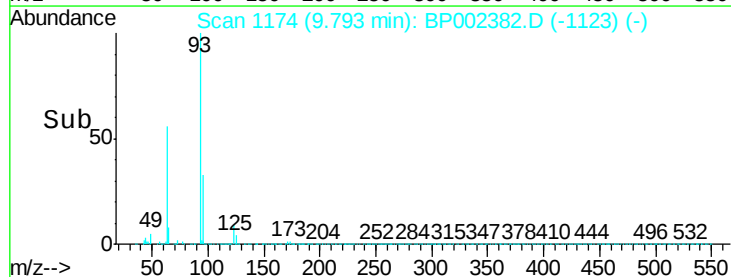
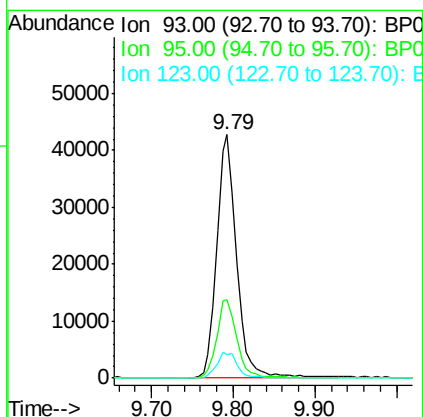
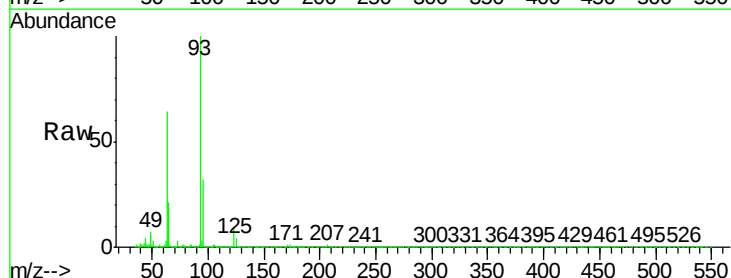
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

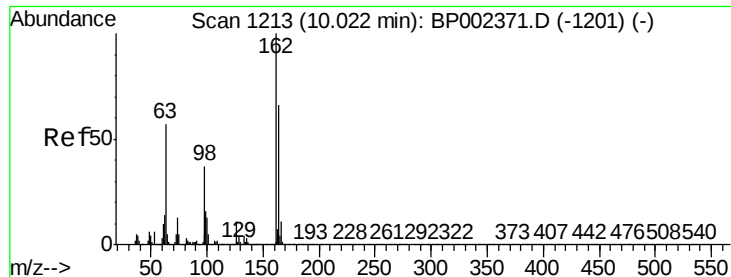
Tot Ion	Ratio	Lower	Upper
122	100		
107	108.2	94.0	141.0
121	53.2	46.4	69.6



#28
bis(2-Chloroethoxy)methane
Concen: 5.361 ng
RT: 9.79 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.8
123	9.9	8.7	13.1

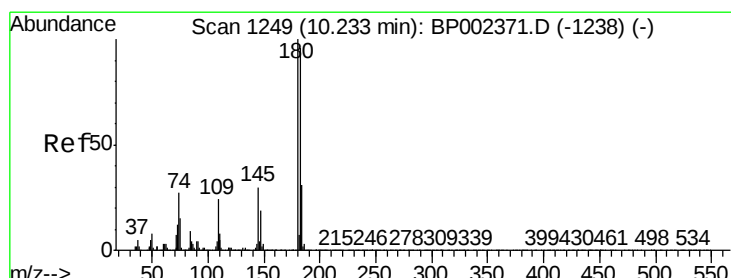
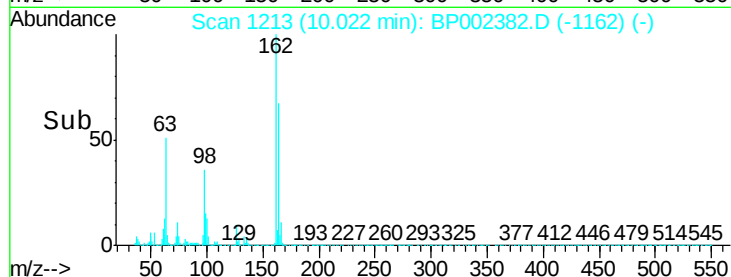
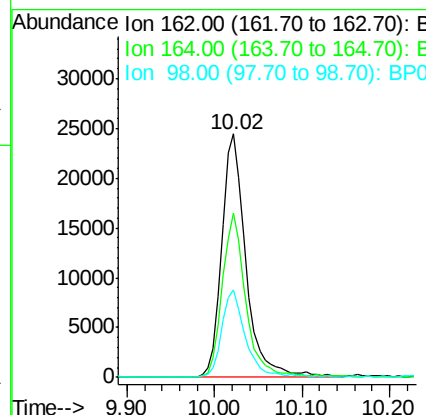
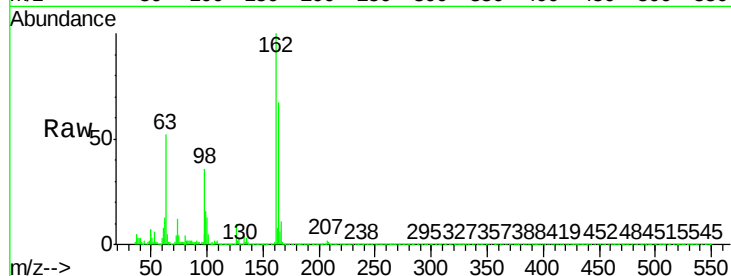




#29
2,4-Dichlorophenol
Concen: 5.007 ng
RT: 10.02 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

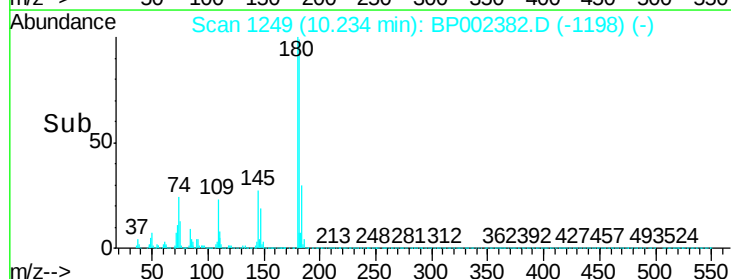
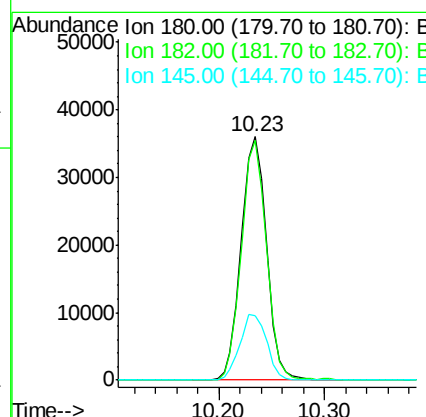
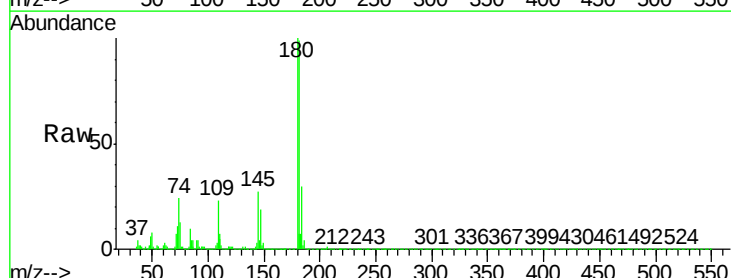
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

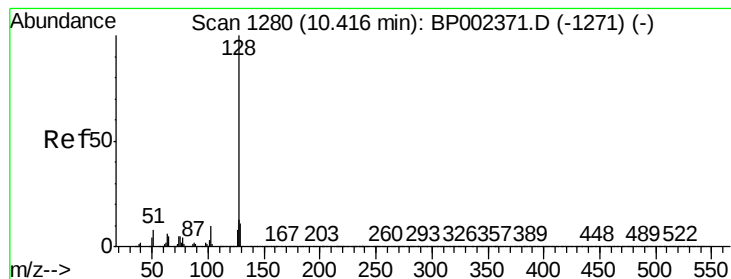
Tot Ion	162	Resp	47014
Ion Ratio	Lower	Upper	
162	100		
164	67.3	45.5	85.5
98	36.1	16.6	56.6



#30
1,2,4-Trichlorobenzene
Concen: 5.709 ng
RT: 10.23 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion	180	Resp	59750
Ion Ratio	Lower	Upper	
180	100		
182	98.5	77.1	115.7
145	26.5	23.8	35.6





#31

Naphthalene

Concen: 5.684 ng

RT: 10.41 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

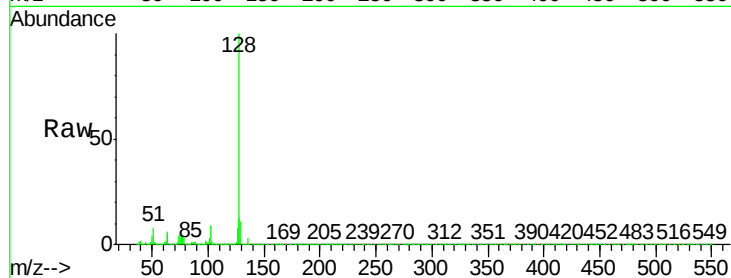
Tot Ion:128 Resp: 175044

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

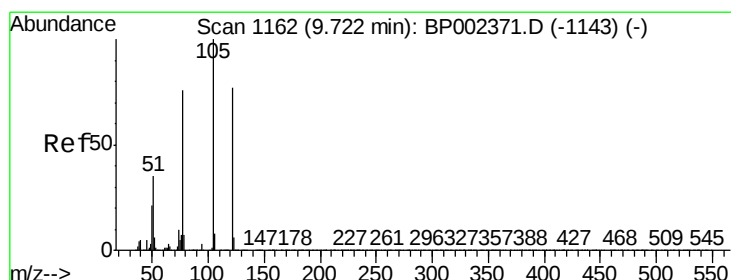
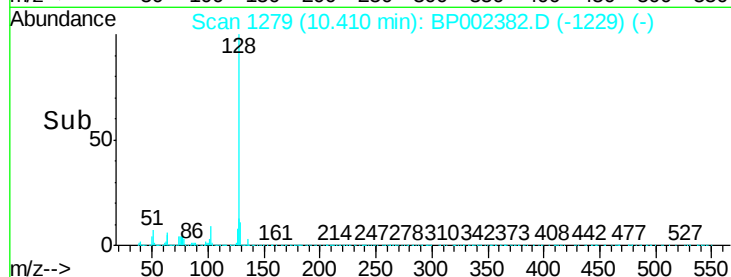
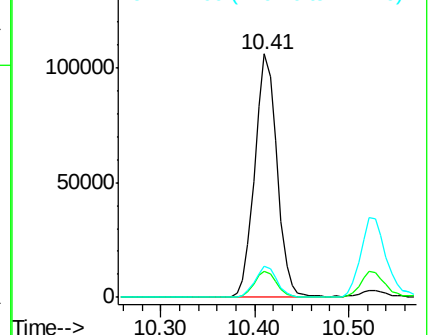
127 12.7 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 0.364 ng

RT: 9.64 min Scan# 1148

Delta R.T. -0.08 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

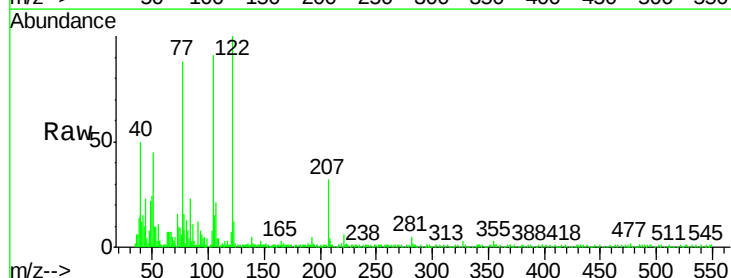
Tgt Ion:122 Resp: 2309

Ion Ratio Lower Upper

122 100

105 91.1 106.3 146.3#

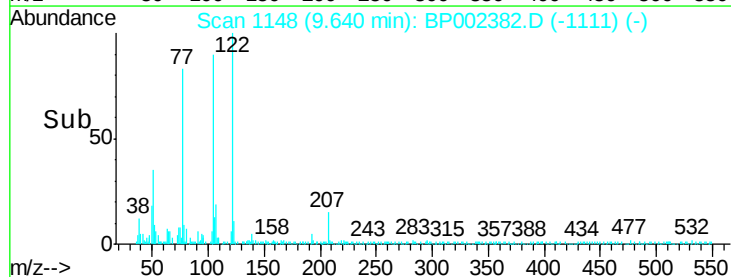
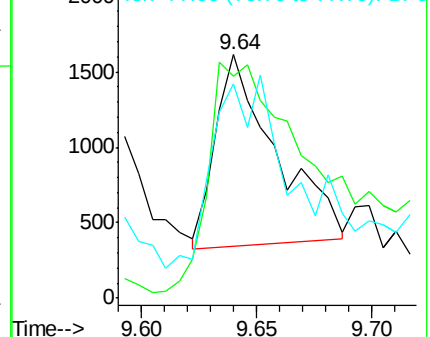
77 88.0 77.5 117.5

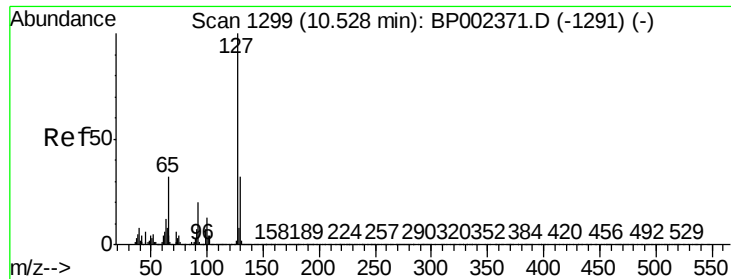


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BP0

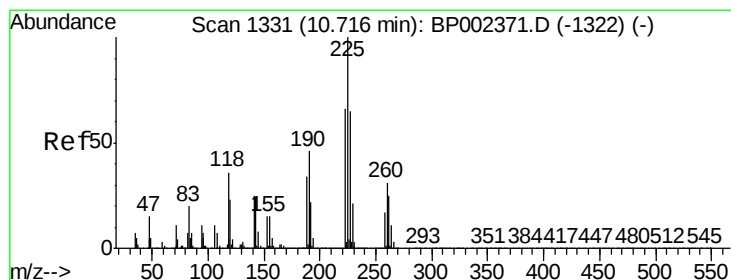
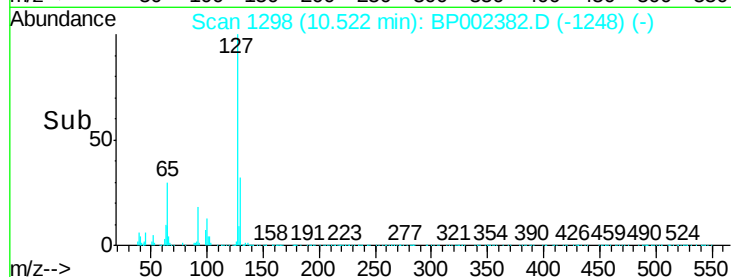
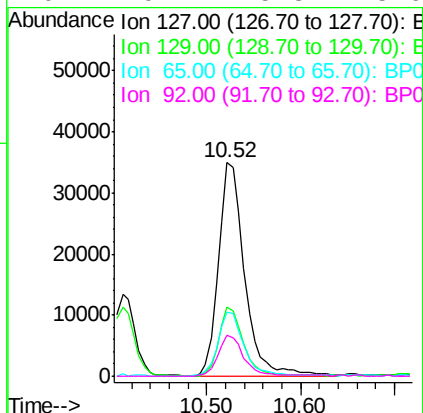
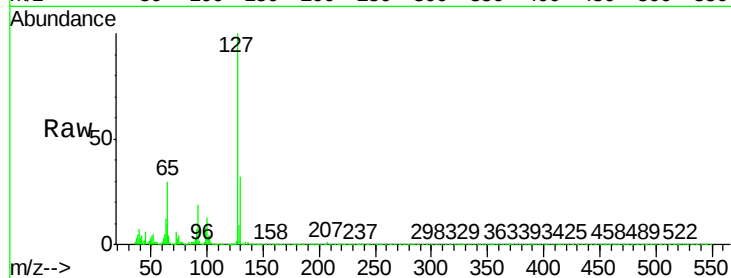




#33
4-Chloroaniline
Concen: 5.052 ng
RT: 10.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

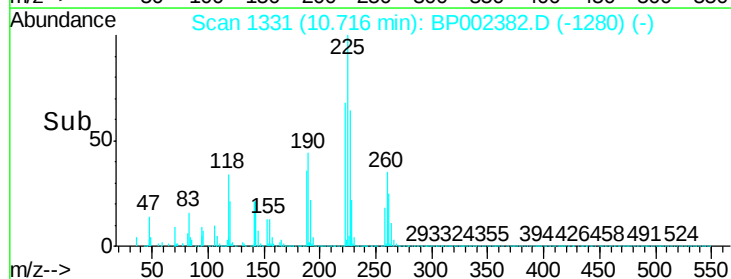
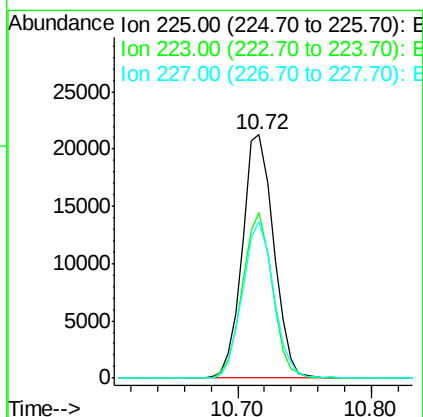
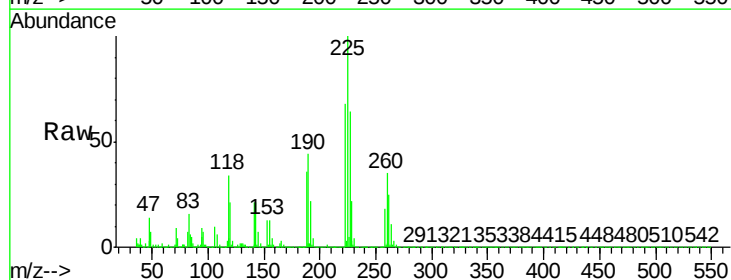
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

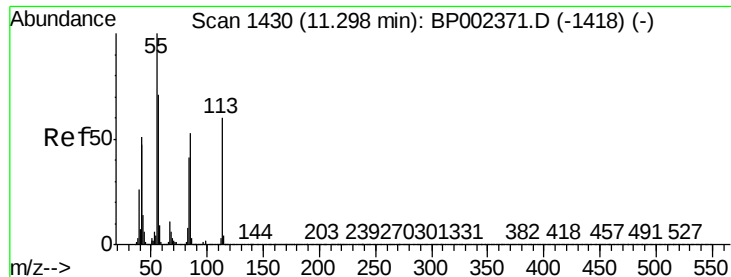
Tot Ion:	127	Resp:	67918
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	30.2	25.3	37.9
92	19.4	15.8	23.6



#34
Hexachlorobutadiene
Concen: 5.654 ng
RT: 10.72 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:	225	Resp:	34532
Ion	Ratio	Lower	Upper
225	100		
223	67.9	52.6	78.8
227	64.3	52.2	78.2

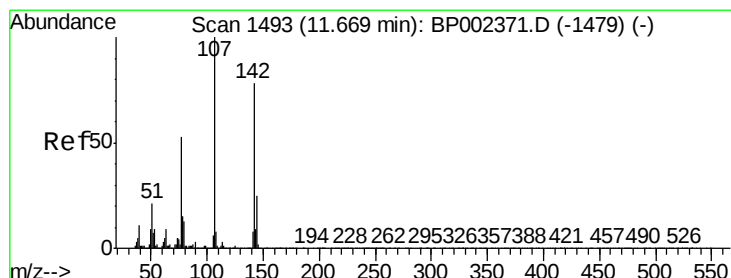
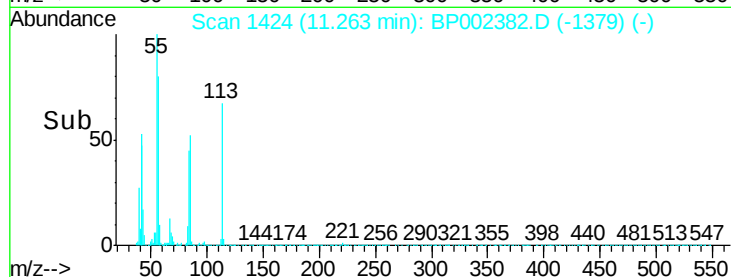
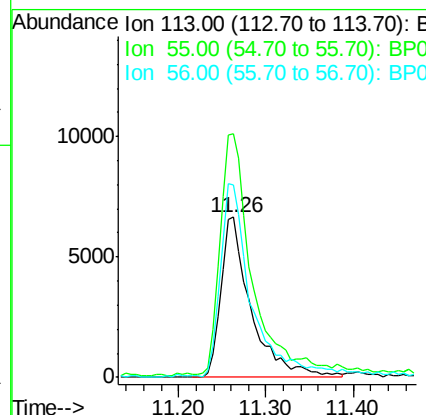
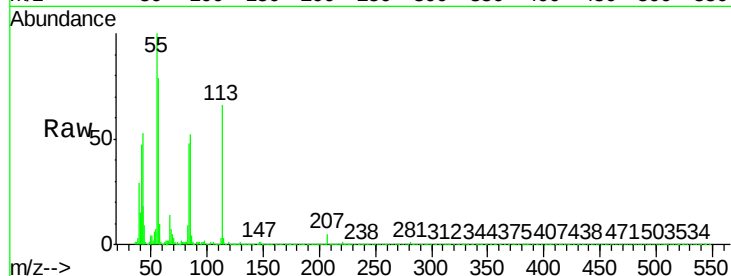




#35
Caprolactam
Concen: 4.783 ng
RT: 11.26 min Scan# 1424
Delta R.T. -0.03 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

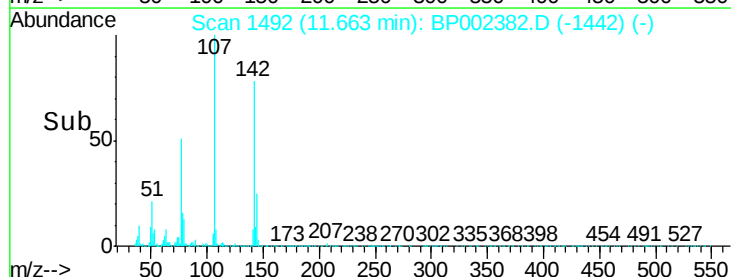
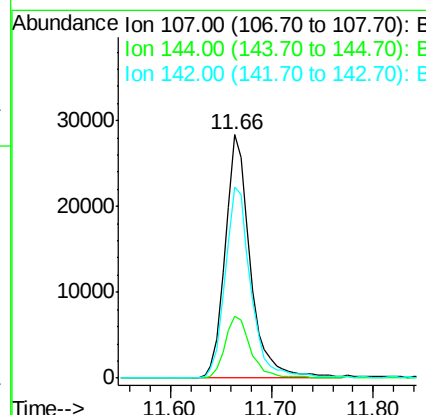
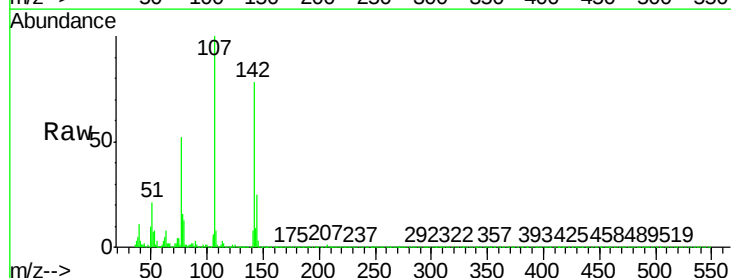
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

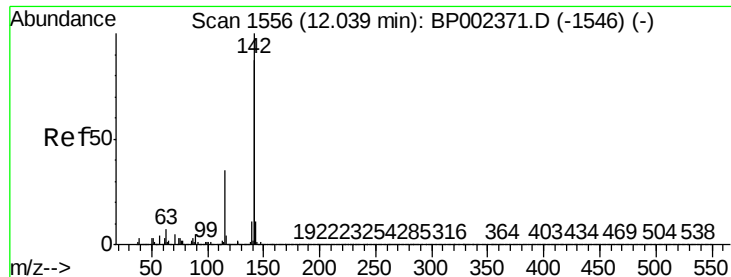
Tot Ion:113 Resp: 15838
Ion Ratio Lower Upper
113 100
55 151.8 147.9 187.9
56 120.4 99.9 139.9



#36
4-Chloro-3-methylphenol
Concen: 4.822 ng
RT: 11.66 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:107 Resp: 48985
Ion Ratio Lower Upper
107 100
144 25.2 20.4 30.6
142 78.3 62.2 93.4

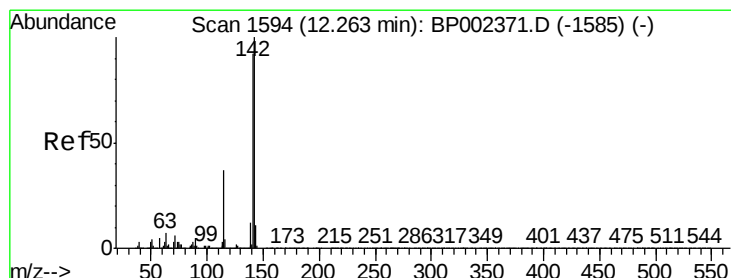
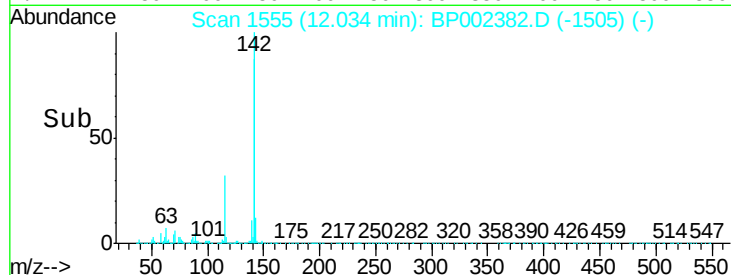
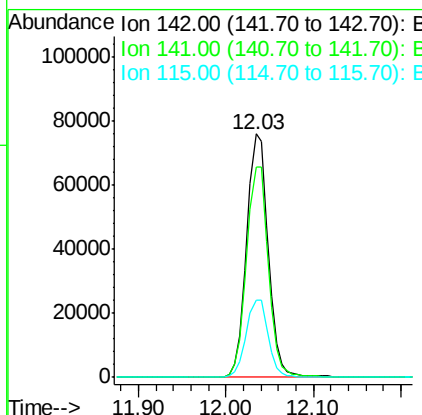
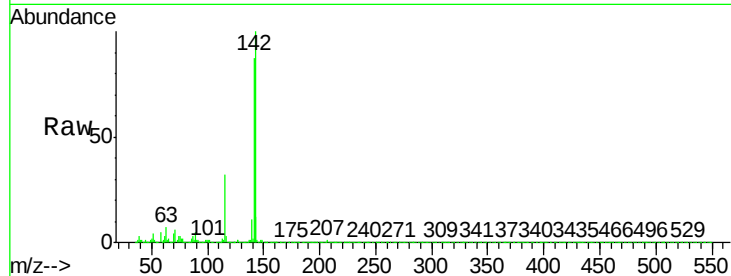




#37
2-Methylnaphthalene
Concen: 5.744 ng
RT: 12.03 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

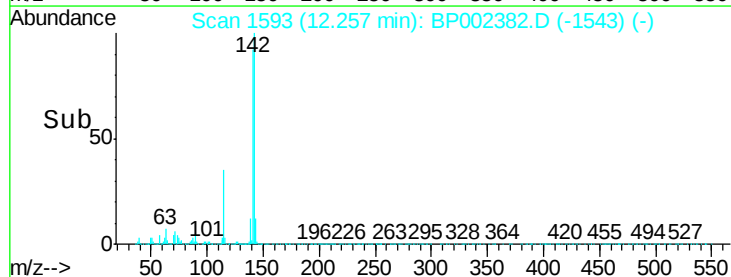
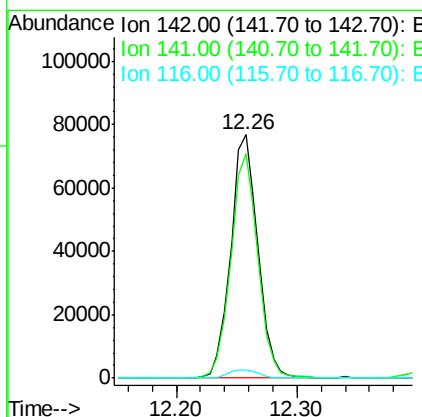
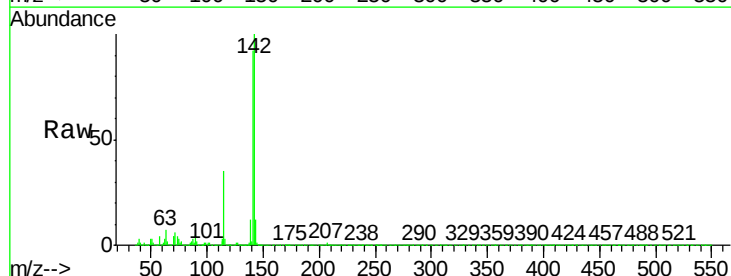
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

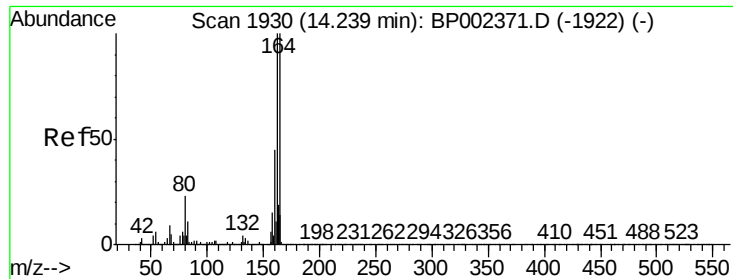
Tot Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.7	104.5
115	31.8	27.8	41.8



#38
1-Methylnaphthalene
Concen: 5.863 ng
RT: 12.26 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.6	110.4
116	3.5	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

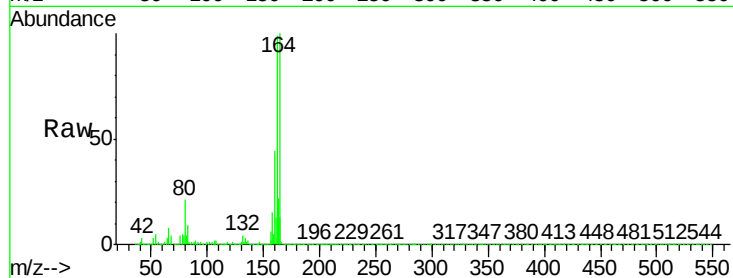
Tot Ion:164 Resp: 436454

Ion Ratio Lower Upper

164 100

162 99.3 79.8 119.8

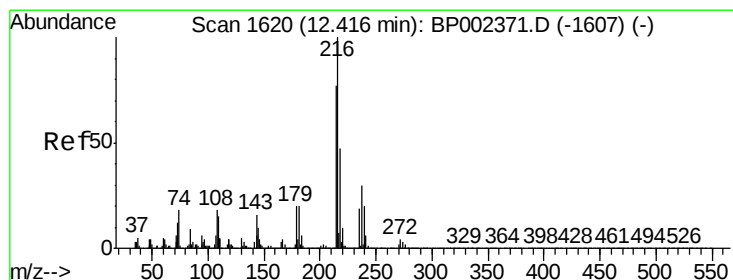
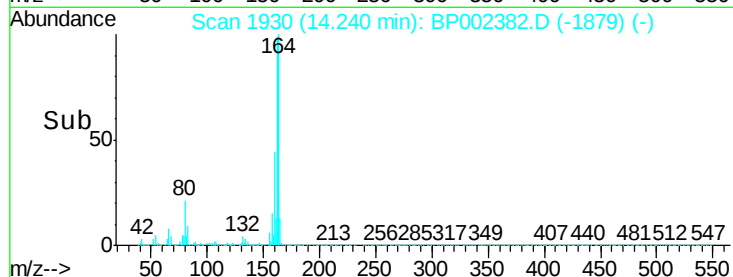
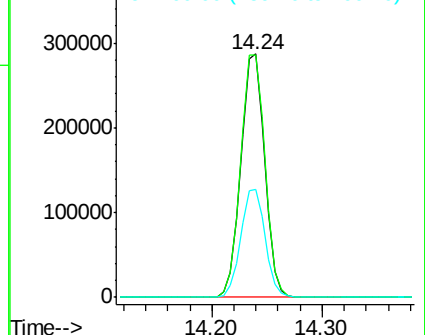
160 44.4 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.222 ng

RT: 12.42 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Tgt Ion:216 Resp: 71588

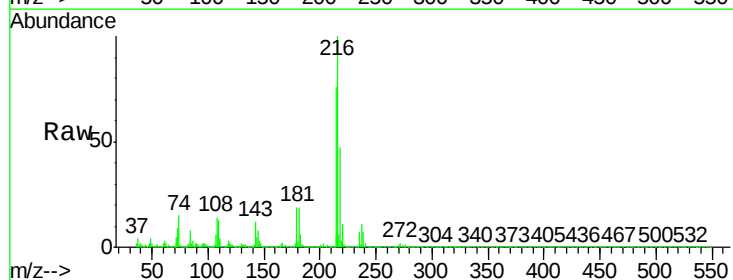
Ion Ratio Lower Upper

216 100

214 78.4 62.6 94.0

179 19.7 16.4 24.6

108 17.2 15.5 23.3

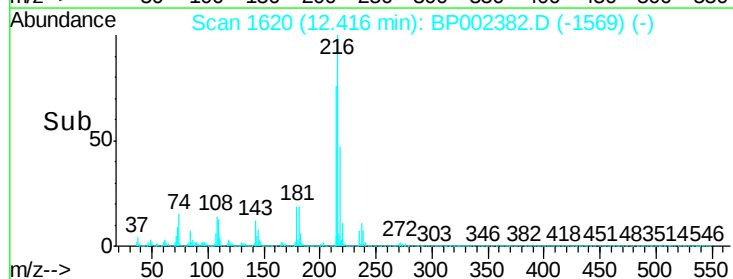
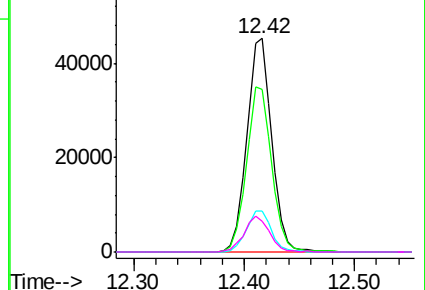


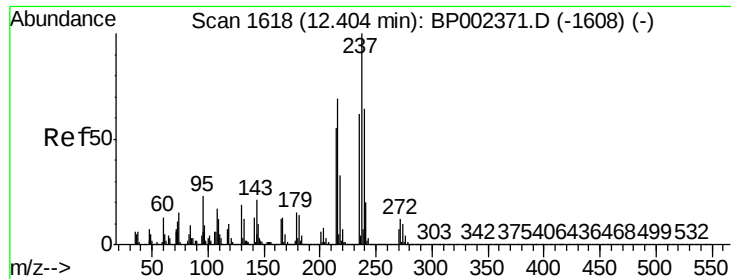
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

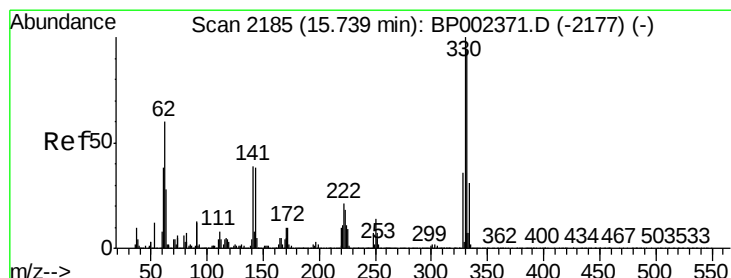
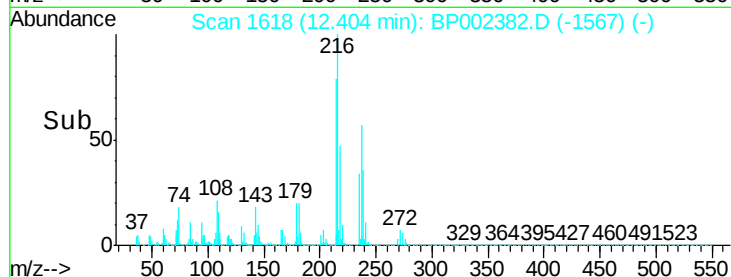
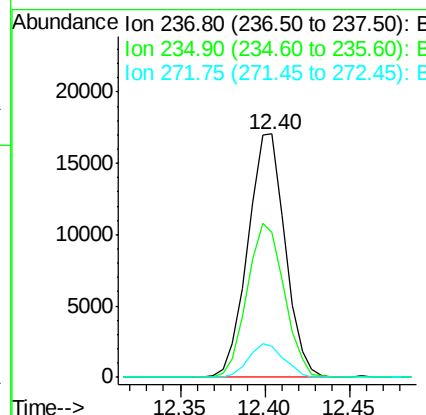
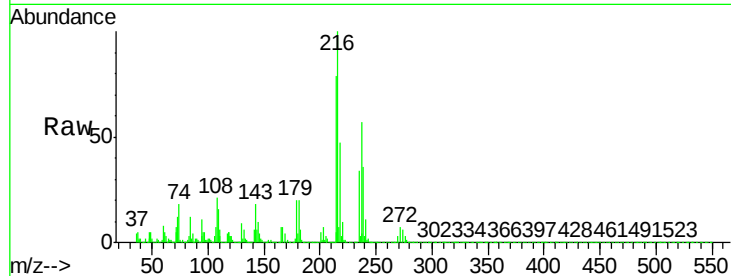




#41
Hexachlorocyclopentadiene
Concen: 4.292 ng
RT: 12.40 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

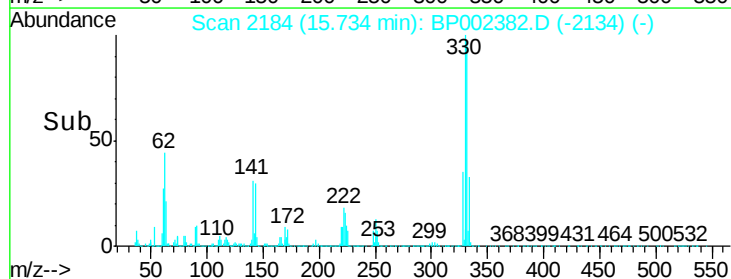
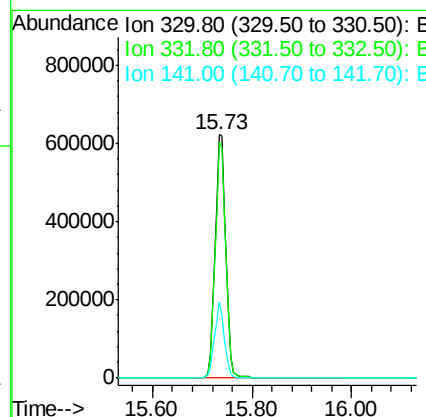
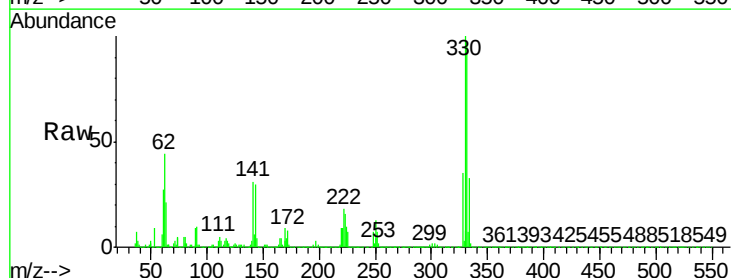
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion	Ratio	Lower	Upper
237	100		
235	59.6	42.0	82.0
272	12.7	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 225.452 ng
RT: 15.73 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	29.0	30.3	45.5

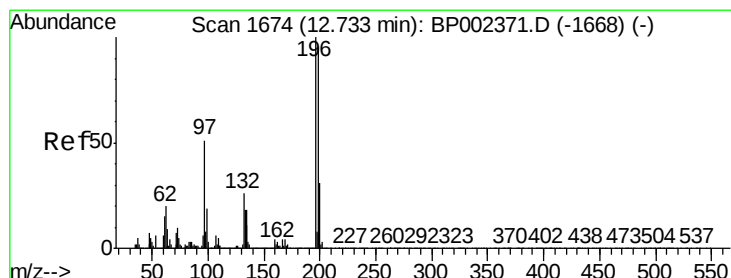
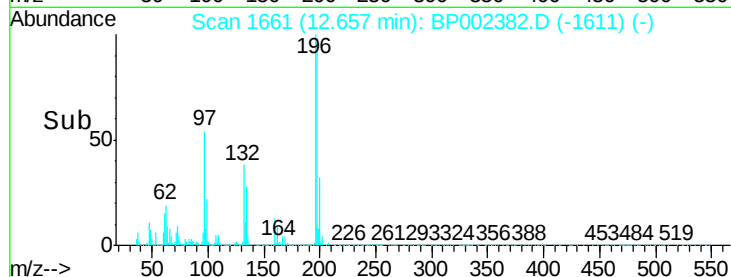
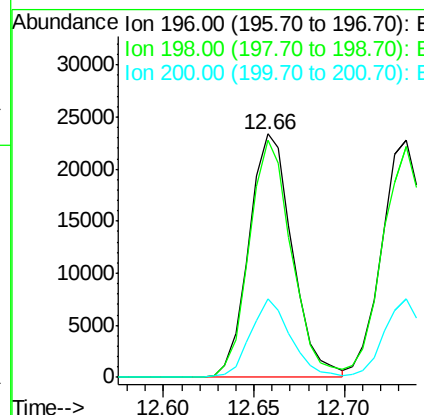
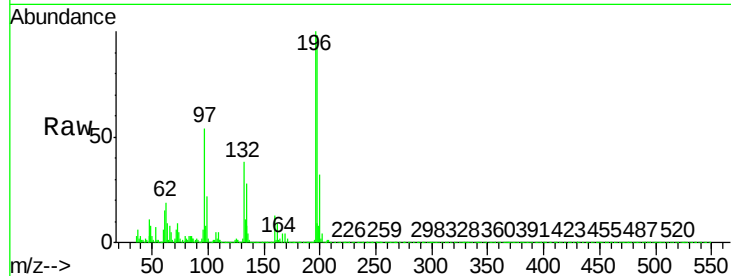




#43
 2,4,6-Trichlorophenol
 Concen: 4.773 ng
 RT: 12.66 min Scan# 1661
 Delta R.T. -0.01 min
 Lab File: BP002382.D
 Acq: 10 Jun 2020 19:25

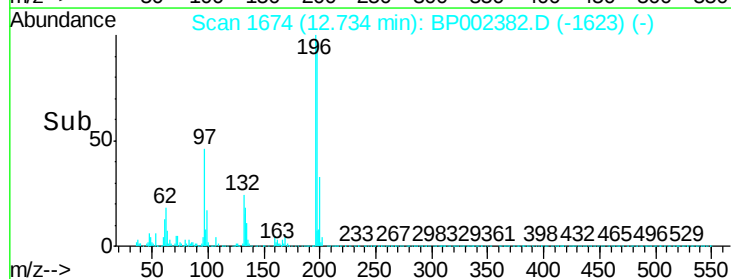
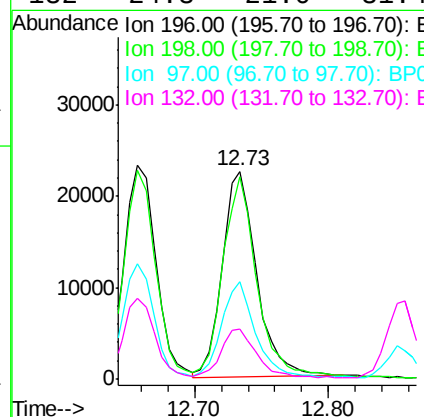
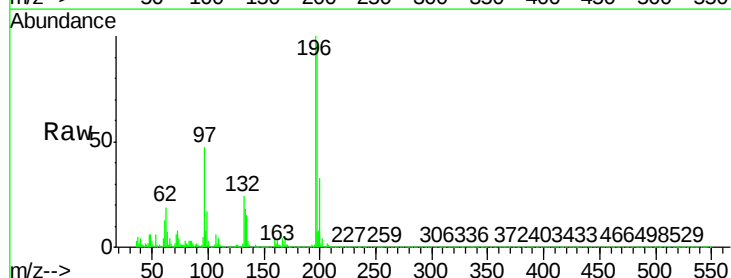
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

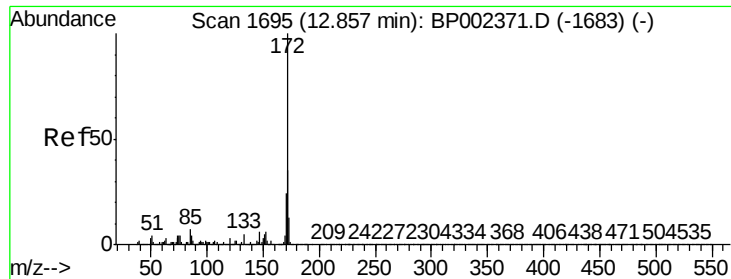
Tot Ion:196 Resp: 38863
 Ion Ratio Lower Upper
 196 100
 198 97.6 76.6 115.0
 200 32.4 24.7 37.1



#44
 2,4,5-Trichlorophenol
 Concen: 4.330 ng
 RT: 12.73 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: BP002382.D
 Acq: 10 Jun 2020 19:25

Tgt Ion:196 Resp: 40829
 Ion Ratio Lower Upper
 196 100
 198 97.5 76.2 114.2
 97 46.7 40.6 61.0
 132 24.3 21.0 31.4

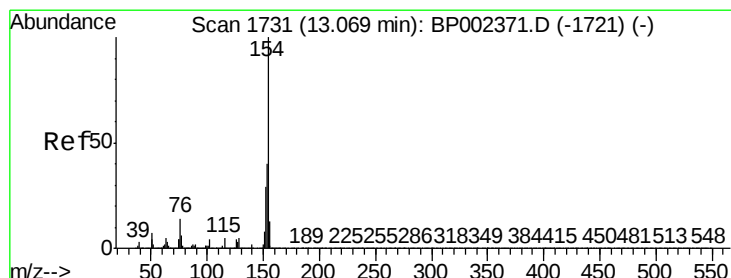
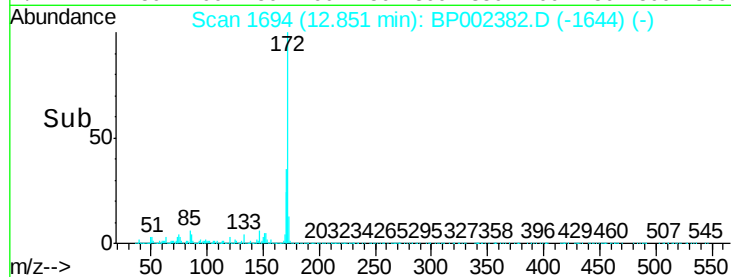
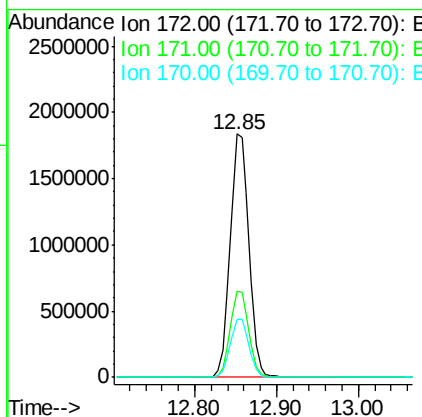
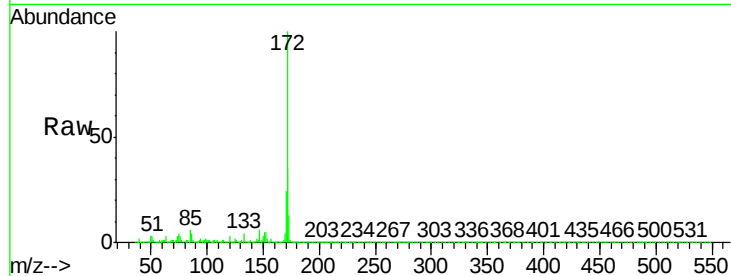




#45
2-Fluorobiphenyl
Concen: 113.095 ng
RT: 12.85 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

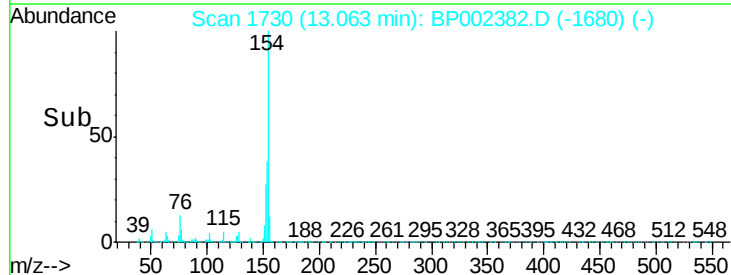
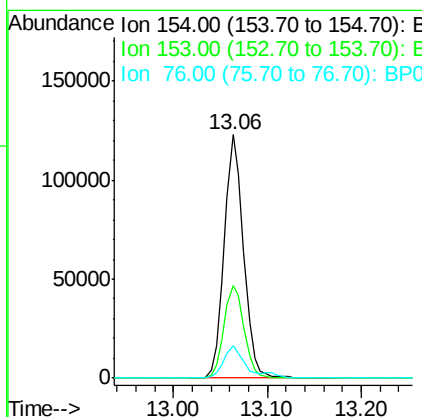
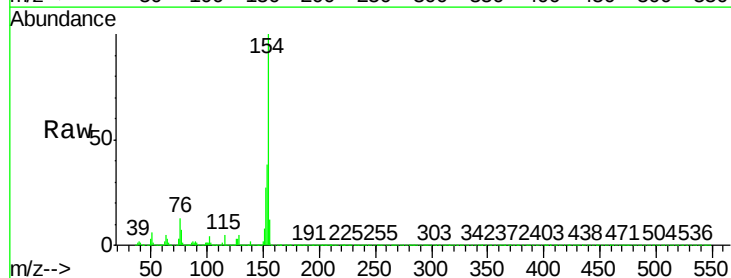
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

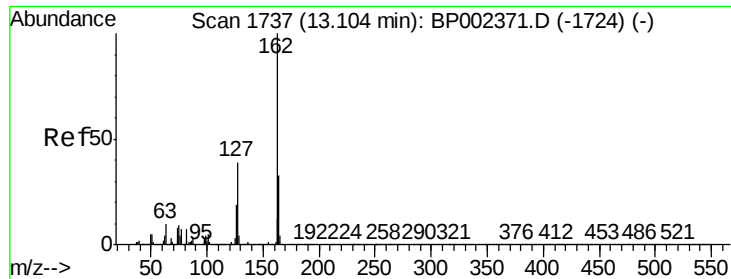
Tot Ion:172 Resp: 2935655
Ion Ratio Lower Upper
172 100
171 35.4 27.8 41.8
170 23.7 19.0 28.6



#46
1,1'-Biphenyl
Concen: 6.154 ng
RT: 13.06 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:154 Resp: 176032
Ion Ratio Lower Upper
154 100
153 38.1 20.2 60.2
76 13.1 0.0 34.2

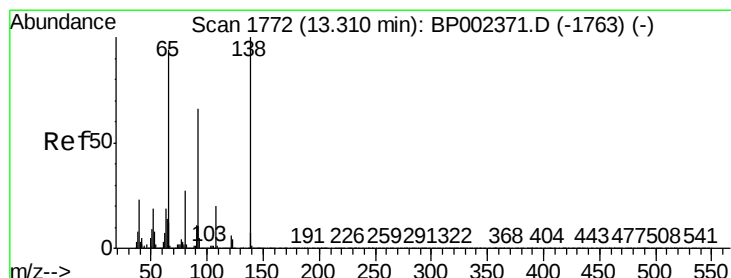
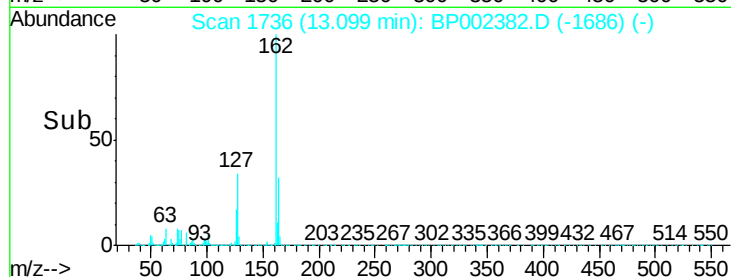
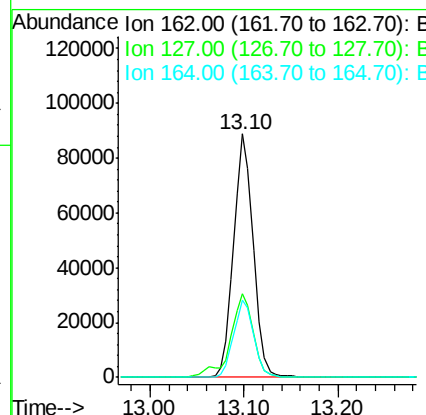
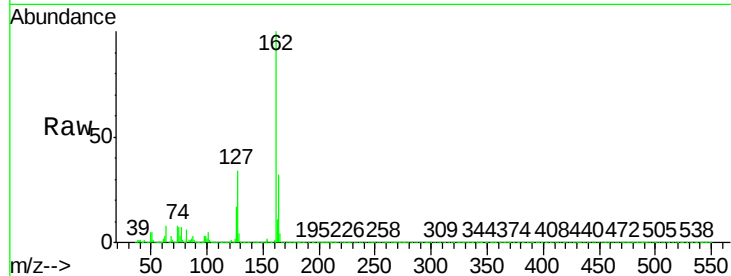




#47
2-Chloronaphthalene
Concen: 5.515 ng
RT: 13.10 min Scan# 1736
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

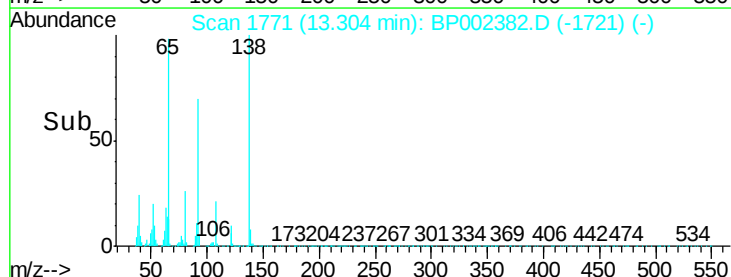
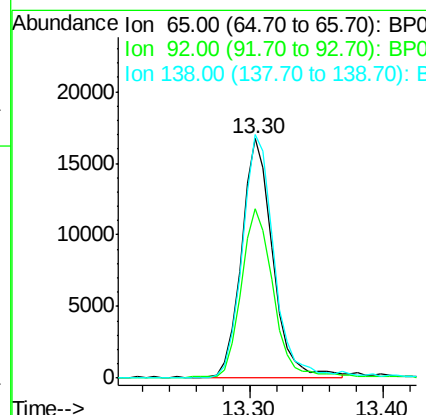
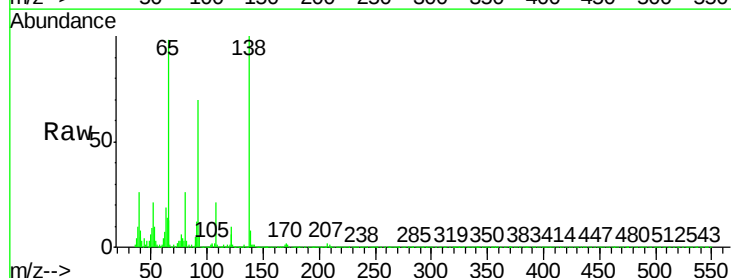
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

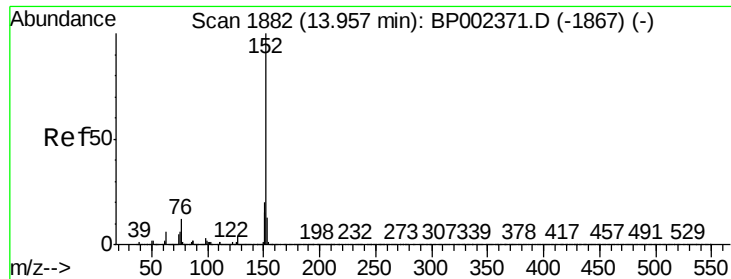
Tot Ion:	162	Resp:	129037
Ion	Ratio	Lower	Upper
162	100		
127	34.5	31.0	46.4
164	31.9	26.6	40.0



#48
2-Nitroaniline
Concen: 3.597 ng
RT: 13.30 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:	65	Resp:	26865
Ion	Ratio	Lower	Upper
65	100		
92	70.8	56.3	84.5
138	101.7	85.0	127.6





#49

Acenaphthylene

Concen: 5.299 ng

RT: 13.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

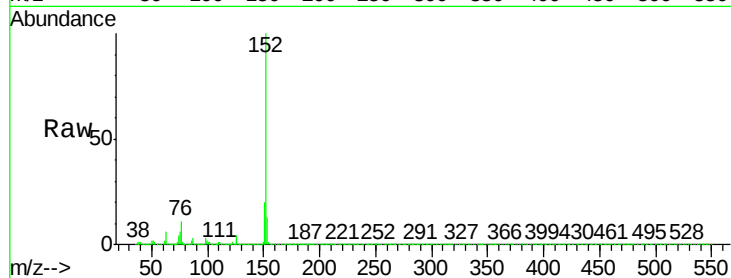
Tot Ion:152 Resp: 197877

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

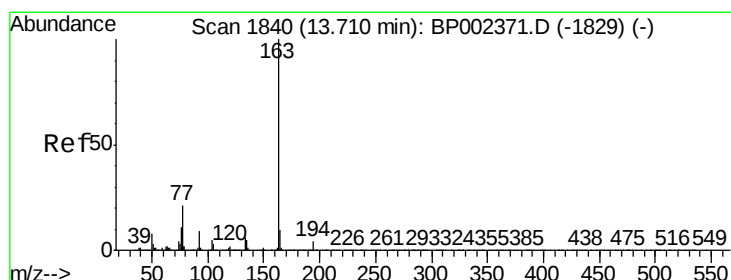
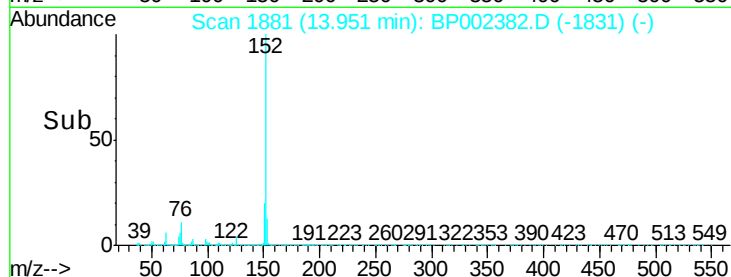
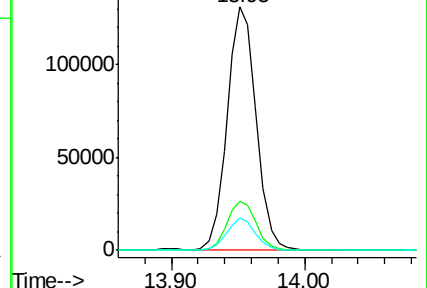
153 13.5 10.5 15.7



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: 5.406 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

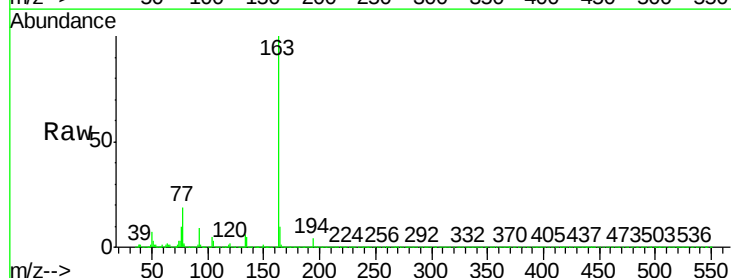
Tgt Ion:163 Resp: 161676

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.0

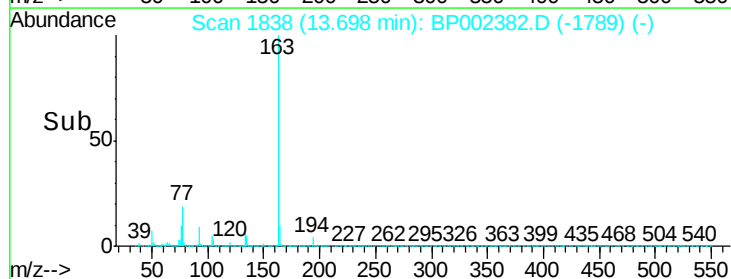
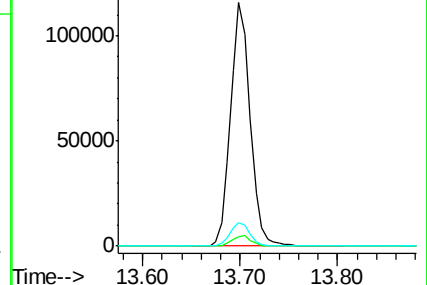
164 9.6 8.1 12.1

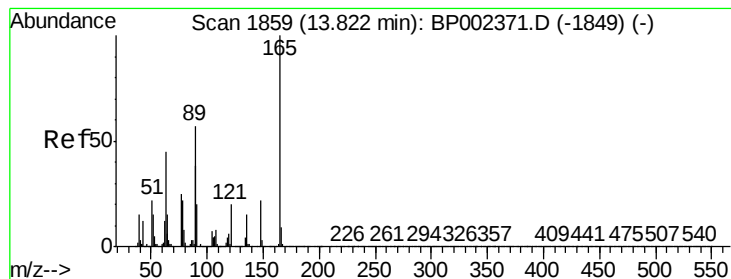


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 4.470 ng

RT: 13.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

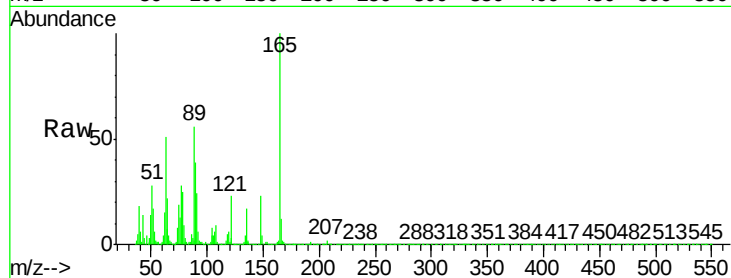
Tot Ion:165 Resp: 29033

Ion Ratio Lower Upper

165 100

63 50.8 43.1 64.7

89 56.1 45.3 67.9



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

25000

20000

15000

10000

5000

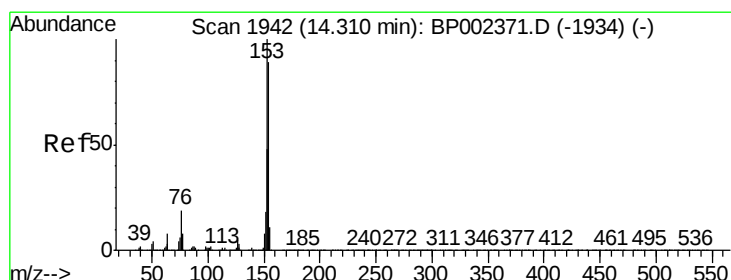
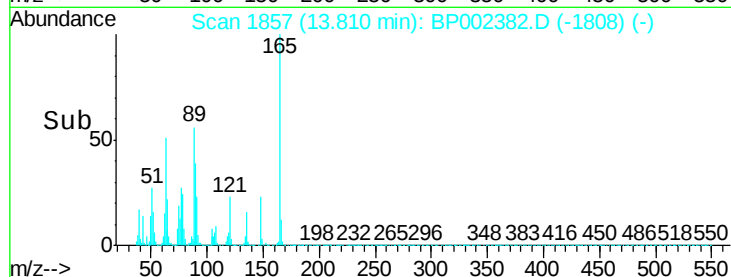
0

13.70

13.80

13.90

Time-->



#52

Acenaphthene

Concen: 5.547 ng

RT: 14.30 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

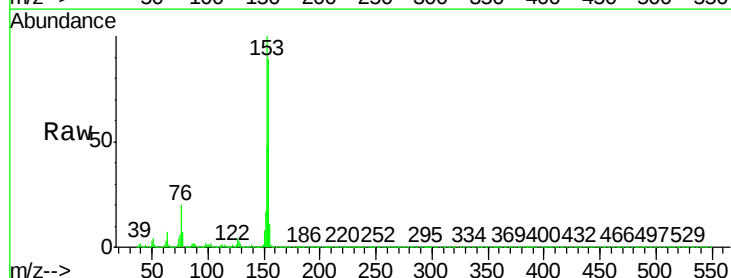
Tgt Ion:154 Resp: 121353

Ion Ratio Lower Upper

154 100

153 111.9 89.5 134.3

152 53.5 43.3 64.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

120000

100000

80000

60000

40000

20000

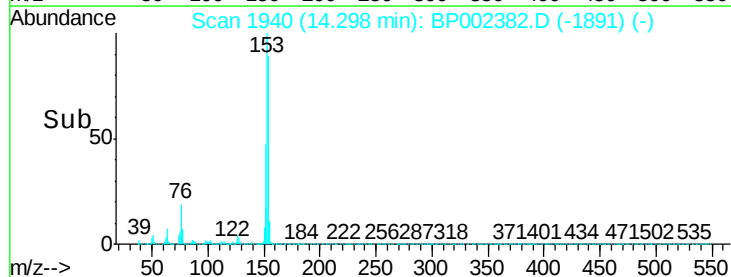
0

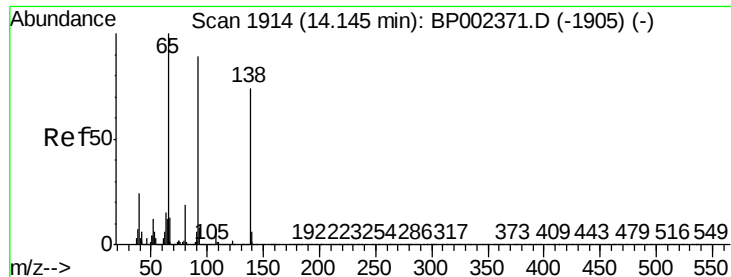
14.25

14.30

14.35

Time-->

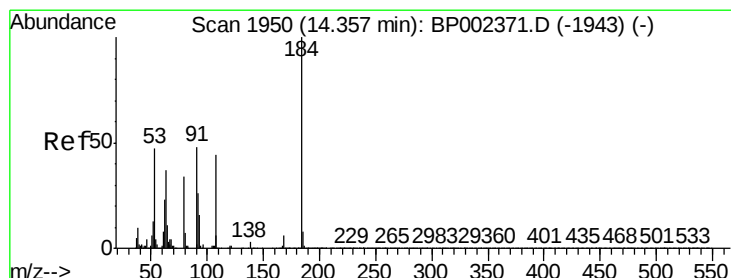
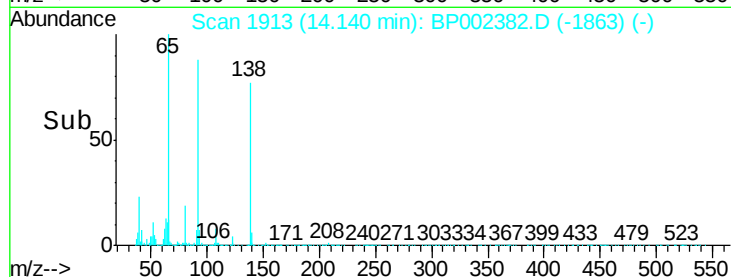
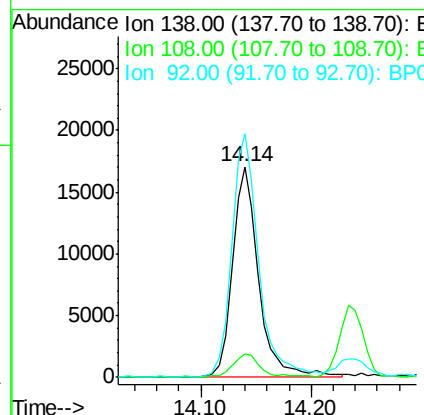
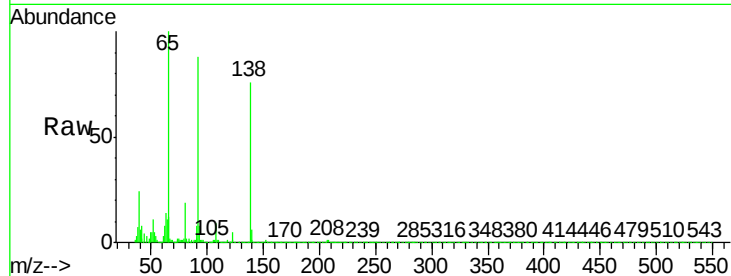




#53
3-Nitroaniline
Concen: 3.806 ng
RT: 14.14 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

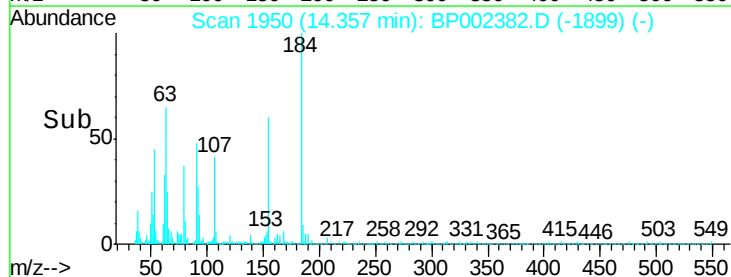
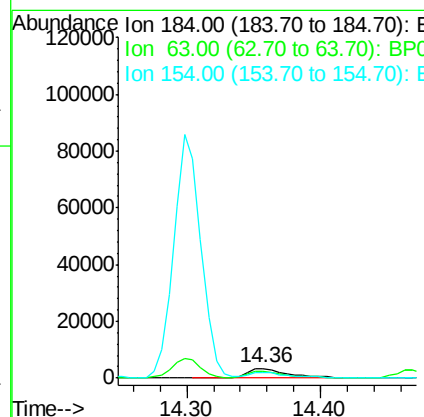
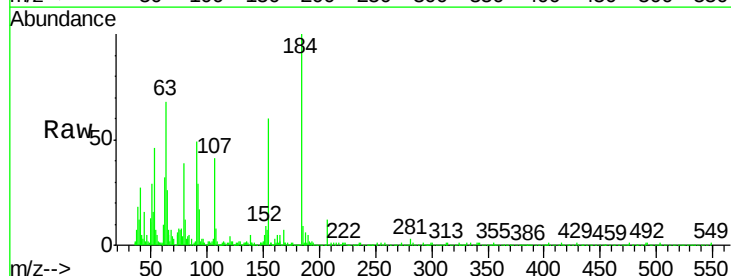
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

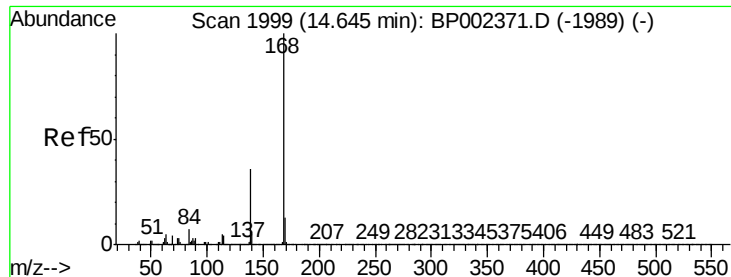
Tot Ion:138 Resp: 28227
Ion Ratio Lower Upper
138 100
108 11.2 8.0 12.0
92 115.7 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 1.968 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:184 Resp: 7010
Ion Ratio Lower Upper
184 100
63 68.1 52.3 78.5
154 60.2 48.6 72.8

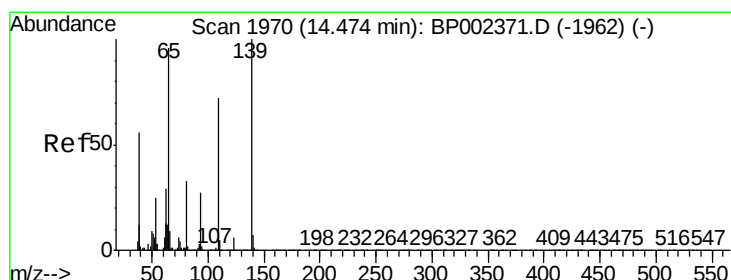
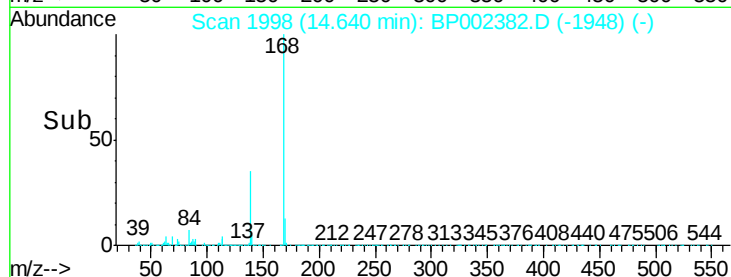
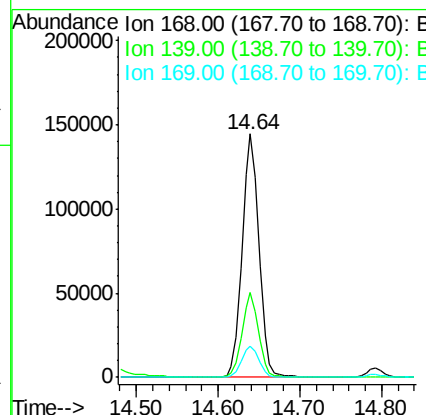
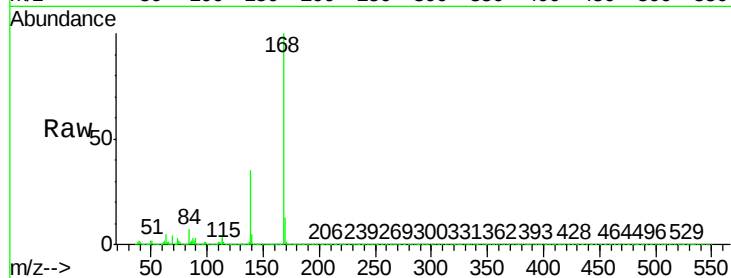




#55
Dibenzenofuran
Concen: 5.878 ng
RT: 14.64 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

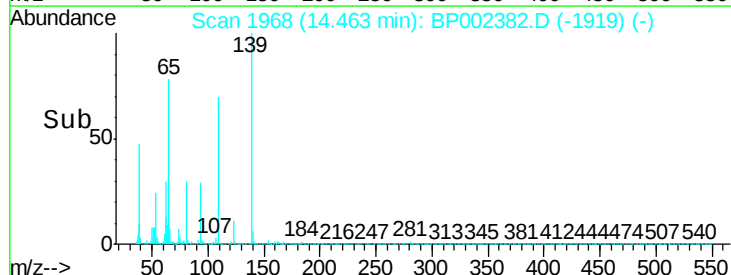
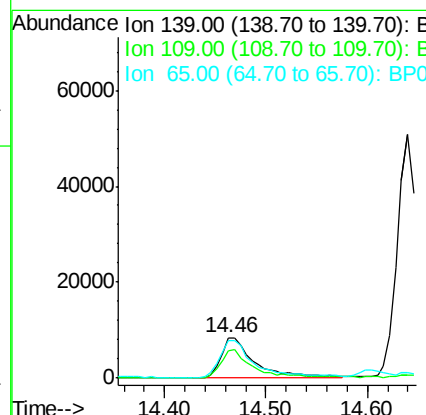
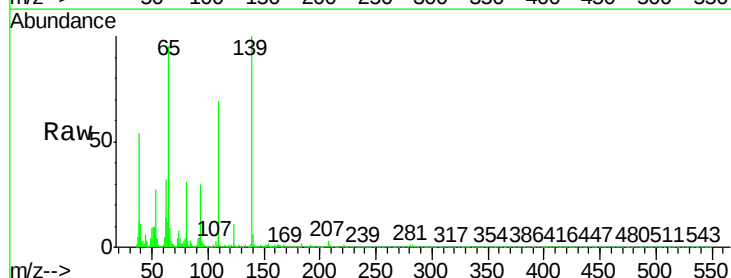
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

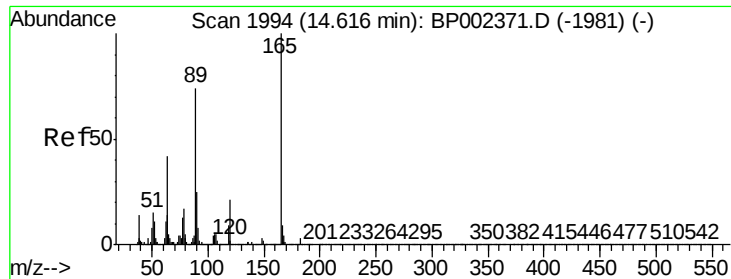
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.1	28.9	43.3
169	12.7	10.6	15.8



#56
4-Nitrophenol
Concen: 3.294 ng
RT: 14.46 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.0	52.0	92.0
65	95.2	76.3	116.3

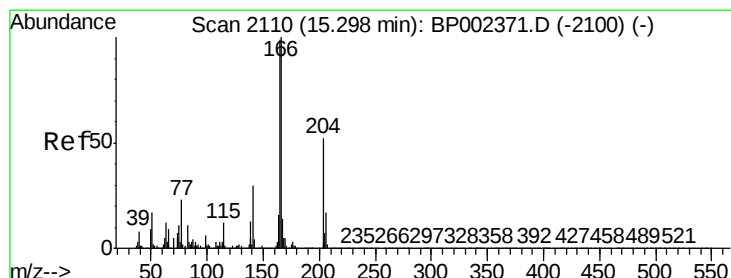
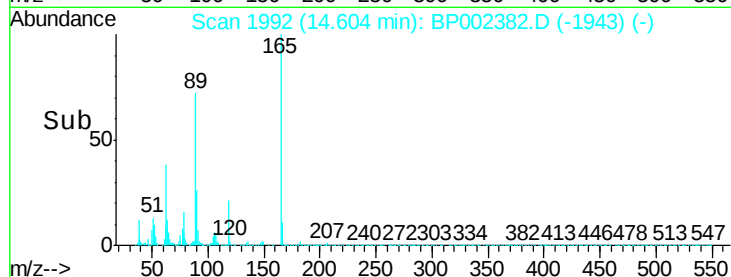
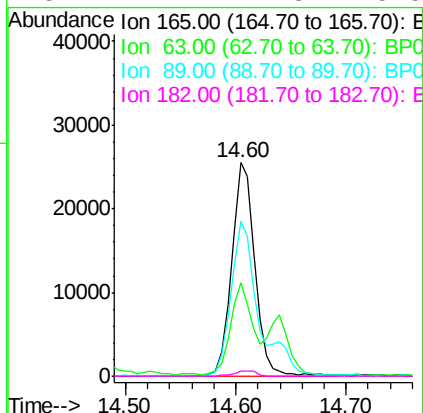
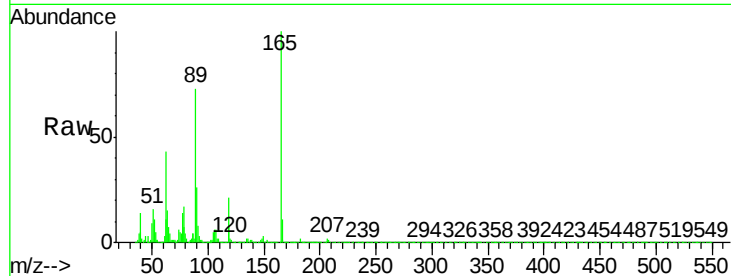




#57
2,4-Dinitrotoluene
Concen: 4.246 ng
RT: 14.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

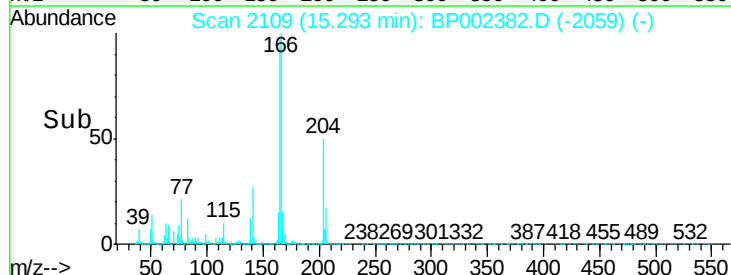
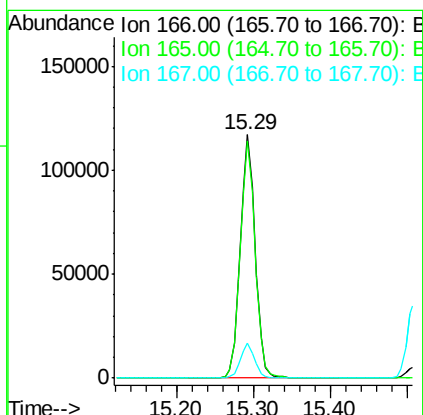
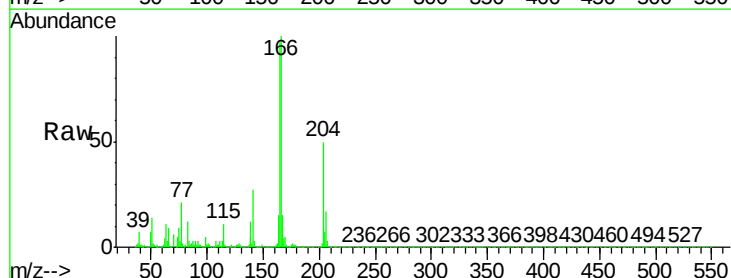
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

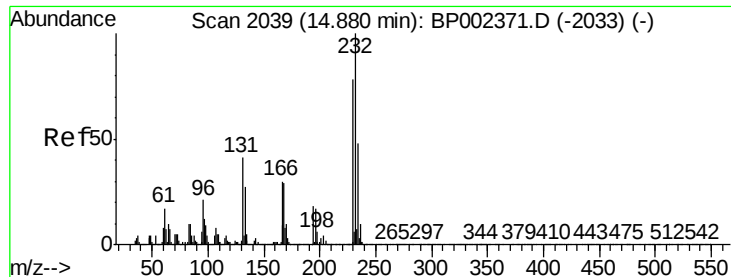
Tot Ion:165 Resp: 37537
Ion Ratio Lower Upper
165 100
63 43.5 34.2 51.2
89 72.6 59.3 88.9
182 2.4 2.3 3.5



#58
Fluorene
Concen: 5.760 ng
RT: 15.29 min Scan# 2109
Delta R.T. -0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:166 Resp: 159568
Ion Ratio Lower Upper
166 100
165 97.2 79.1 118.7
167 14.5 11.0 16.4

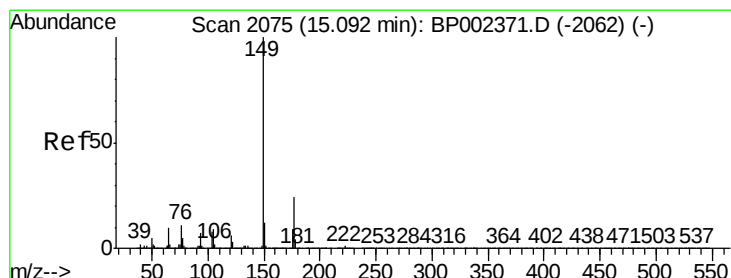
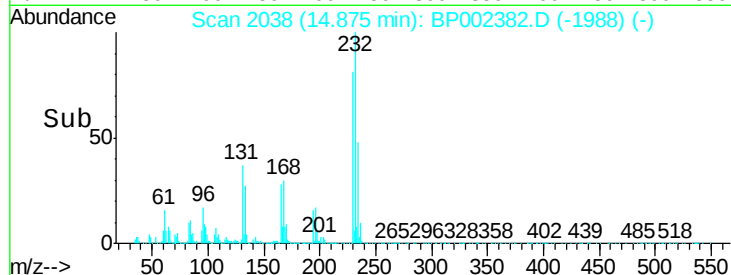
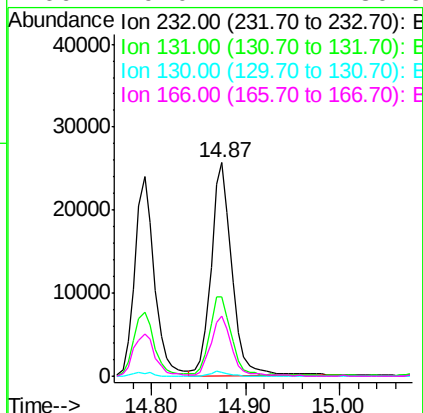
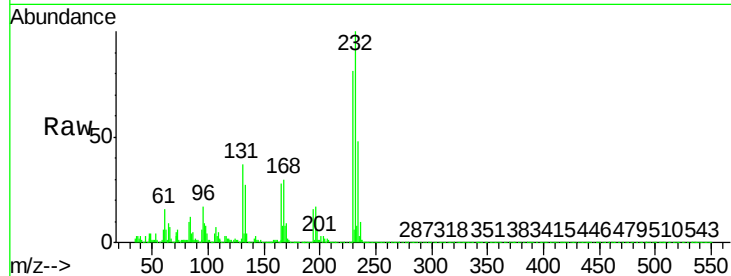




#59
2,3,4,6-Tetrachlorophenol
Concen: 5.345 ng
RT: 14.87 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

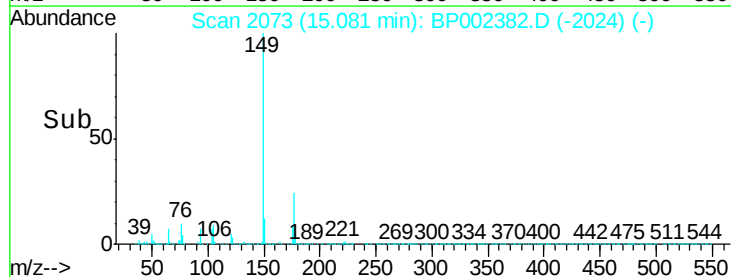
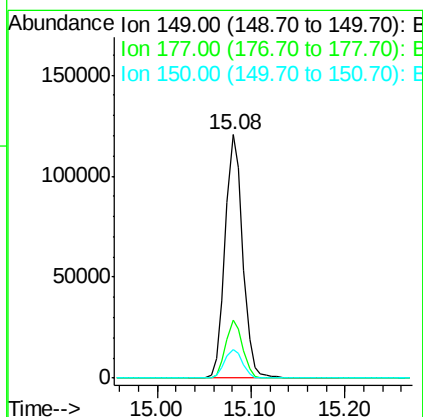
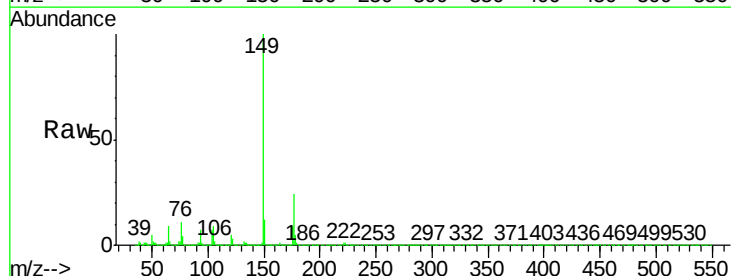
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

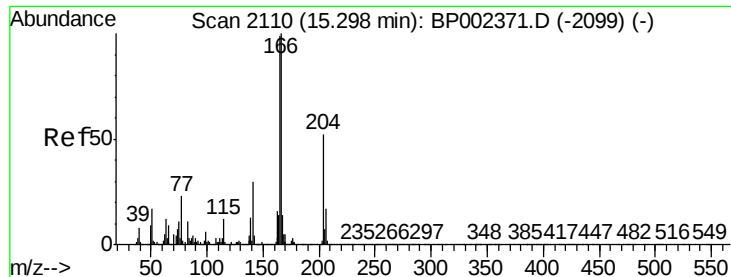
Tot Ion:232	Resp:	40002
Ion Ratio	Lower	Upper
232	100	
131	38.2	35.1 52.7
130	2.2	1.8 2.8
166	29.0	24.4 36.6



#60
Diethylphthalate
Concen: 5.258 ng
RT: 15.08 min Scan# 2073
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:149	Resp:	157545
Ion Ratio	Lower	Upper
149	100	
177	24.0	18.9 28.3
150	11.8	9.9 14.9

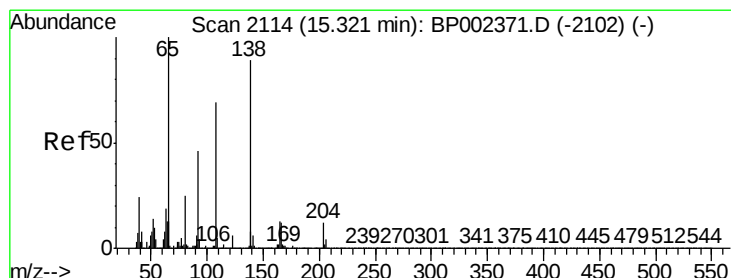
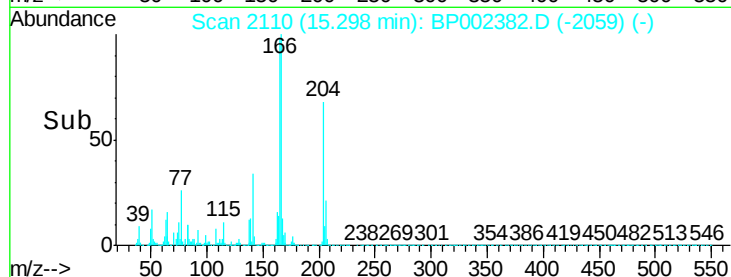
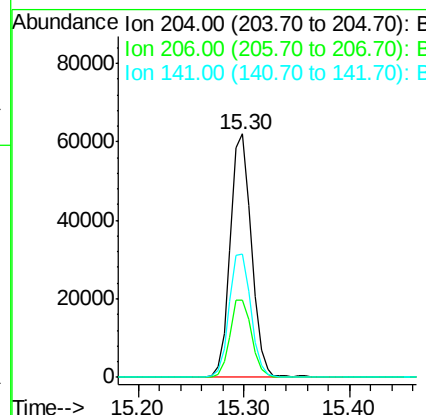
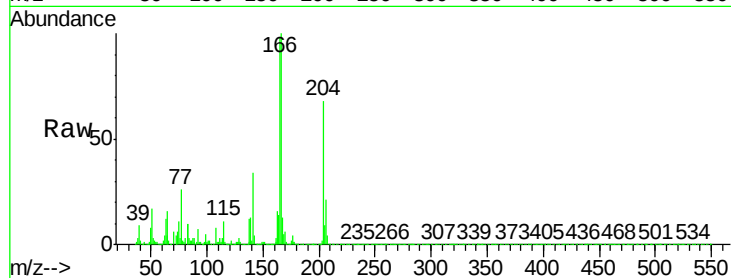




#61
4-Chlorophenyl-phenylether
Concen: 6.393 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

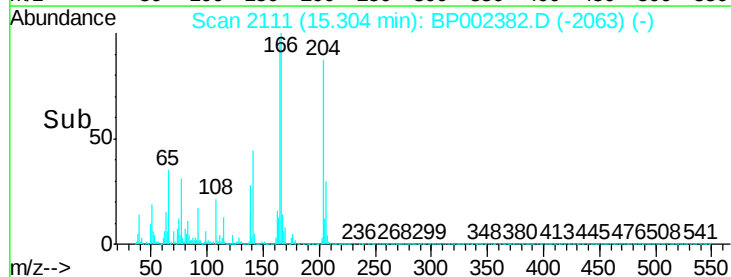
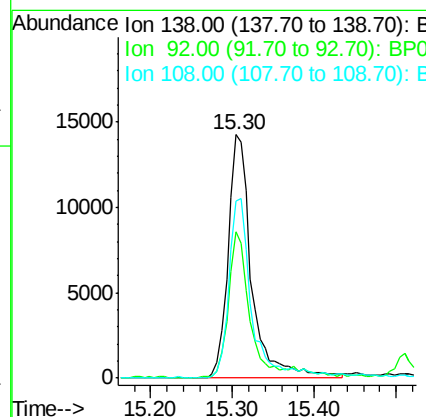
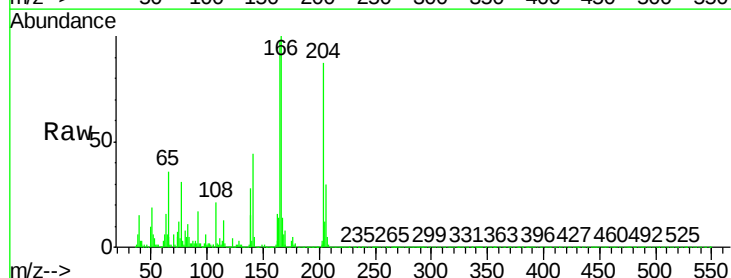
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

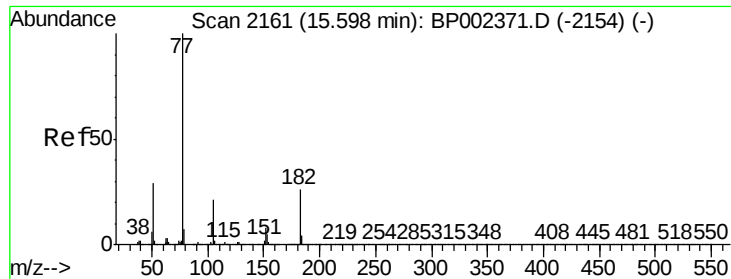
Tot Ion:204 Resp: 85858
Ion Ratio Lower Upper
204 100
206 31.6 26.8 40.2
141 50.4 46.6 69.8



#62
4-Nitroaniline
Concen: 4.027 ng
RT: 15.30 min Scan# 2111
Delta R.T. -0.02 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:138 Resp: 28694
Ion Ratio Lower Upper
138 100
92 60.3 31.7 71.7
108 72.6 57.5 97.5

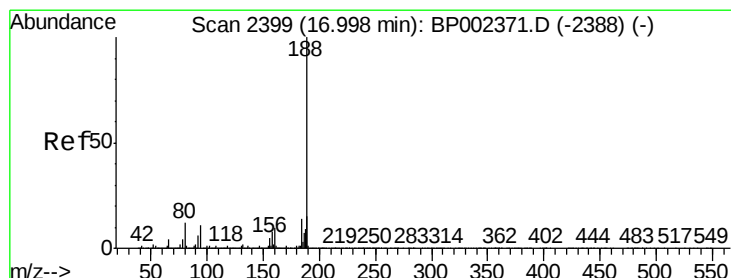
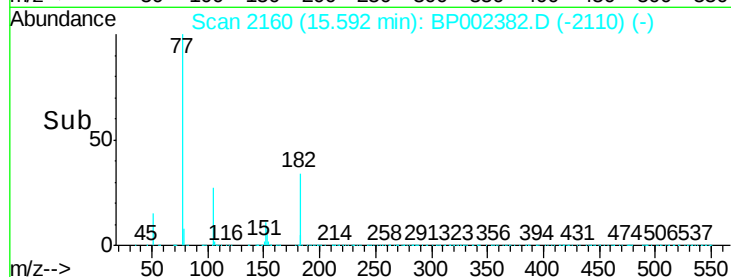
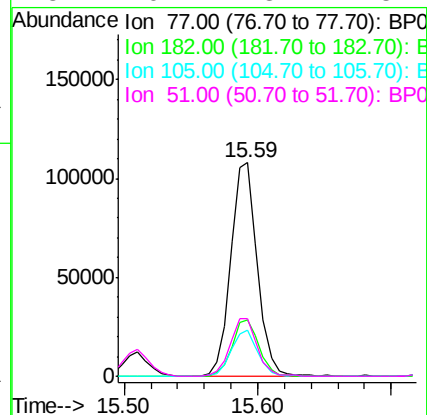
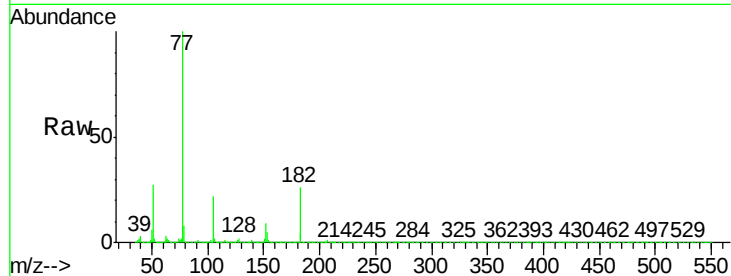




#63
Azobenzene
Concen: 5.001 ng
RT: 15.59 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

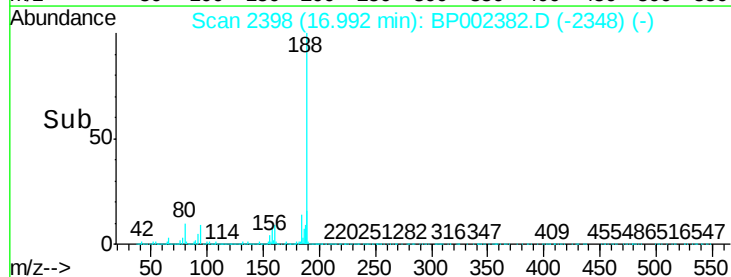
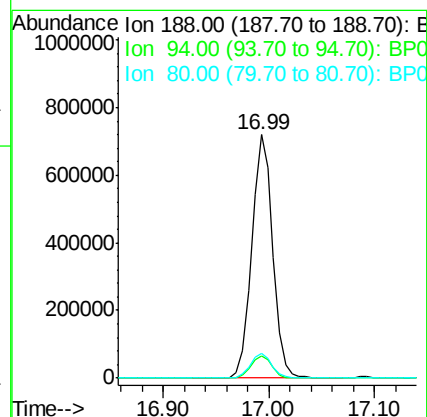
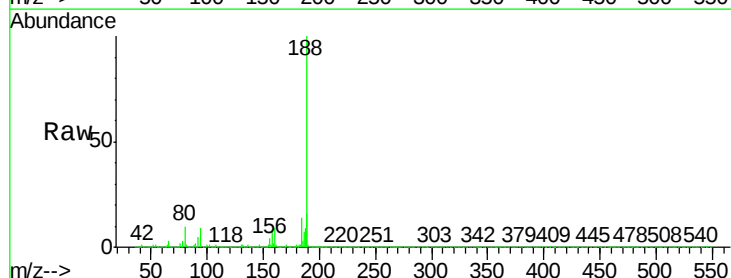
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

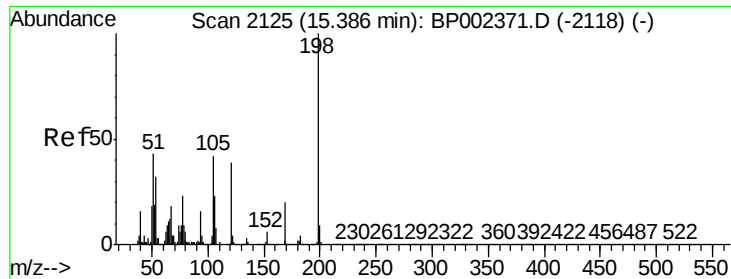
Tot Ion:	77	Resp:	149180
Ion	Ratio	Lower	Upper
77	100		
182	26.4	6.0	46.0
105	21.6	1.3	41.3
51	26.7	8.7	48.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:	188	Resp:	991217
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.1	9.4	14.0





#65

4,6-Dinitro-2-methylphenol

Concen: 3.276 ng

RT: 15.37 min Scan# 2123

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

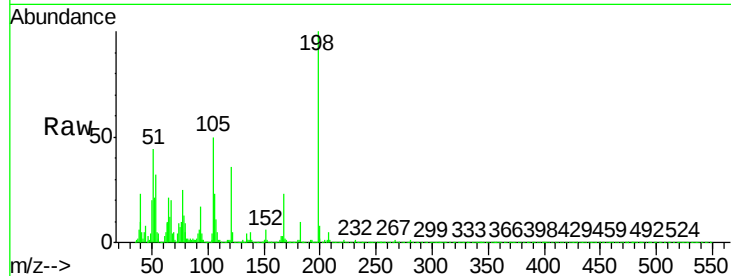
Tot Ion:198 Resp: 17133

Ion Ratio Lower Upper

198 100

51 43.6 23.4 63.4

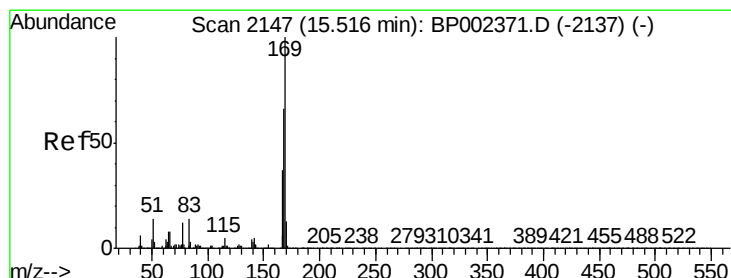
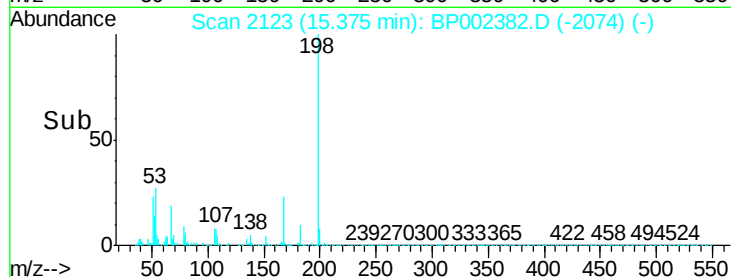
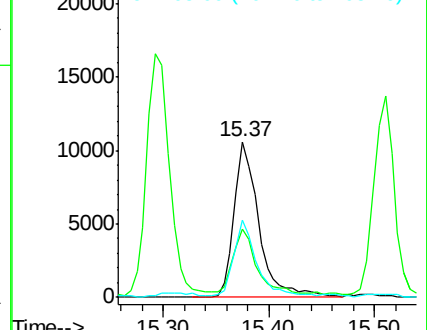
105 49.7 22.5 62.5



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: 5.493 ng

RT: 15.51 min Scan# 2146

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

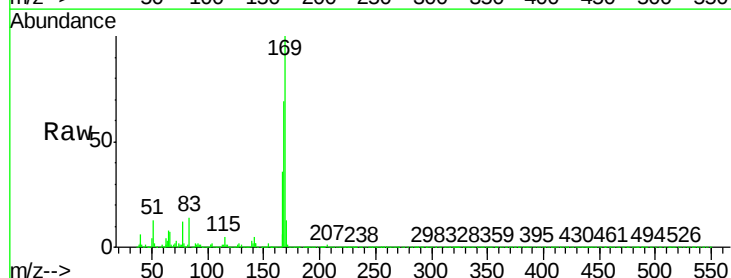
Tgt Ion:169 Resp: 139100

Ion Ratio Lower Upper

169 100

168 69.1 52.8 79.2

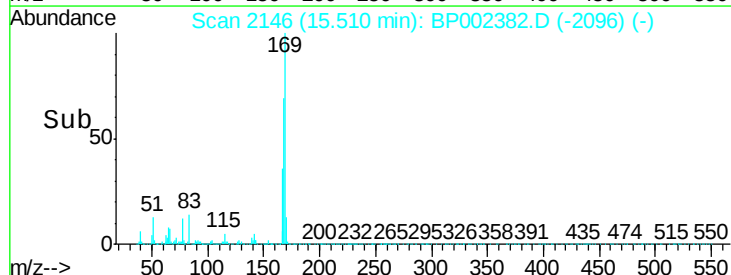
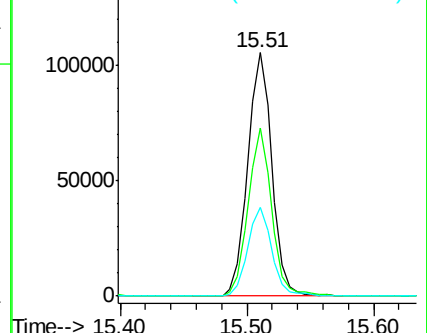
167 36.2 29.4 44.0

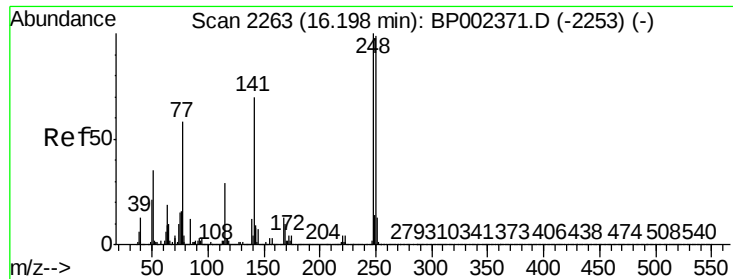


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 5.645 ng

RT: 16.19 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

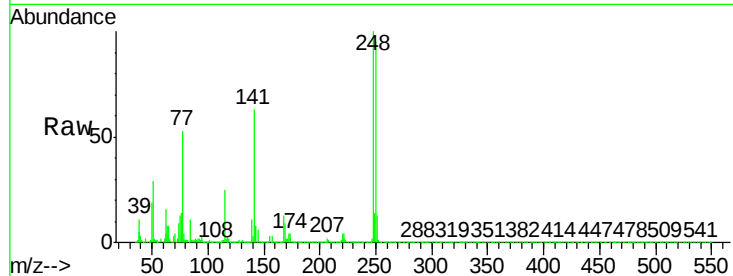
Tot Ion:248 Resp: 53009

Ion Ratio Lower Upper

248 100

250 95.4 79.3 118.9

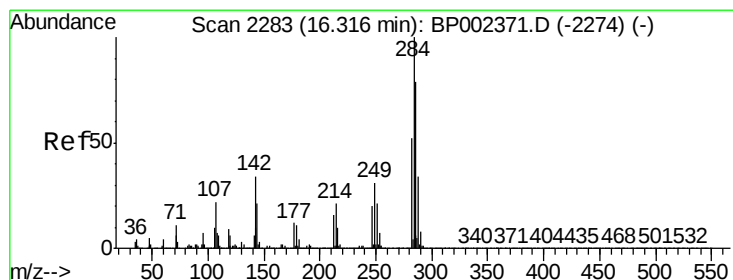
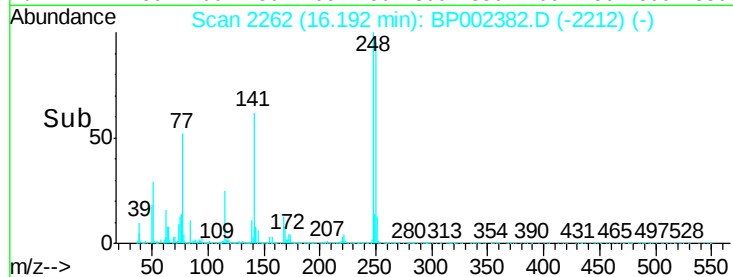
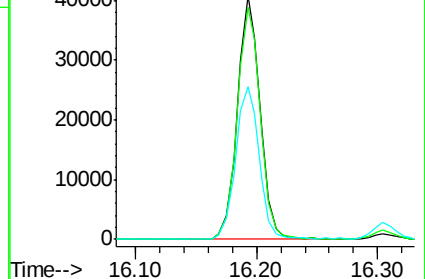
141 62.6 55.7 83.5



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 6.366 ng

RT: 16.30 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

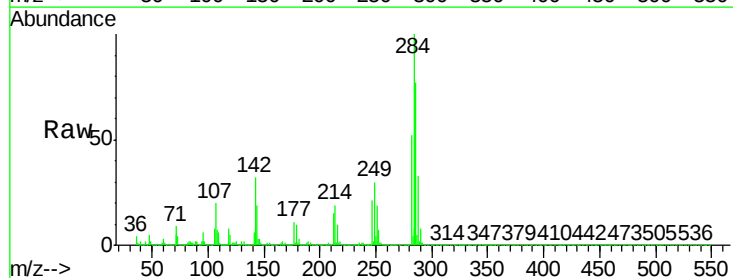
Tgt Ion:284 Resp: 63435

Ion Ratio Lower Upper

284 100

142 32.5 27.4 41.0

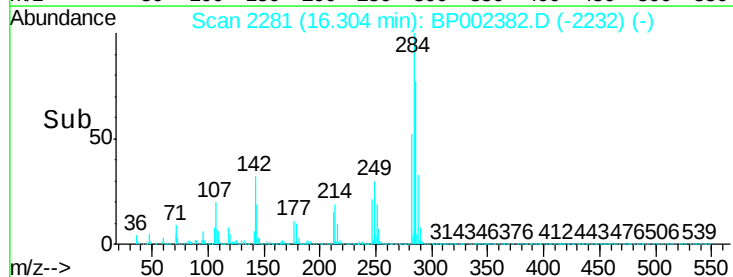
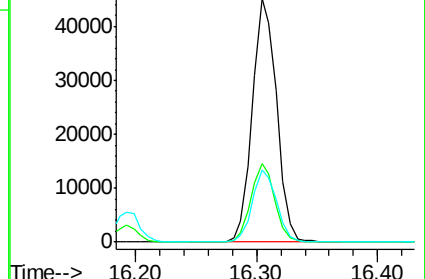
249 29.6 24.9 37.3

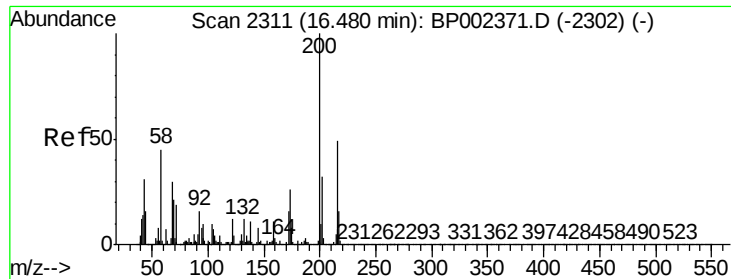


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 6.212 ng

RT: 16.47 min Scan# 2309

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

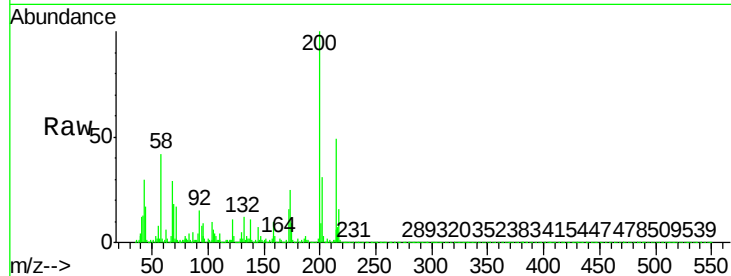
Tot Ion:200 Resp: 51315

Ion Ratio Lower Upper

200 100

173 25.2 6.4 46.4

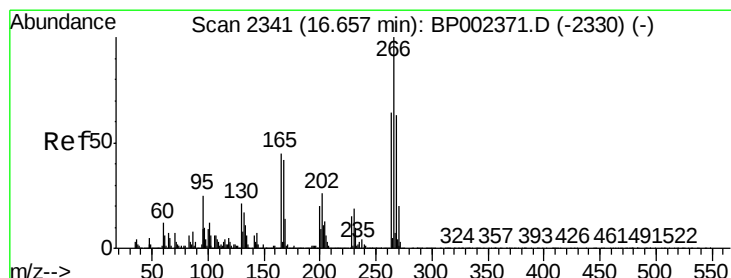
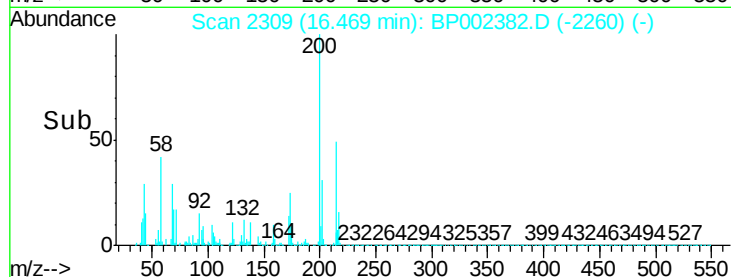
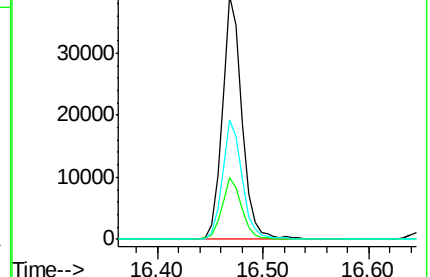
215 49.2 29.3 69.3



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: 3.728 ng

RT: 16.65 min Scan# 2340

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

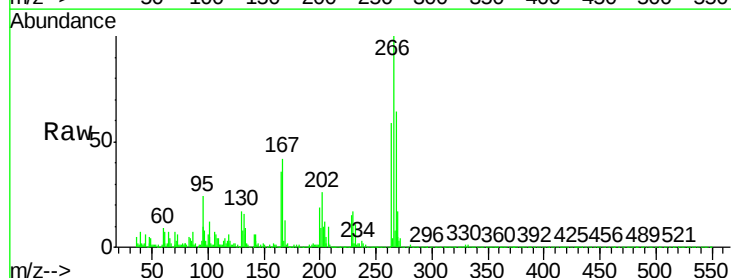
Tgt Ion:266 Resp: 22223

Ion Ratio Lower Upper

266 100

268 64.4 50.5 75.7

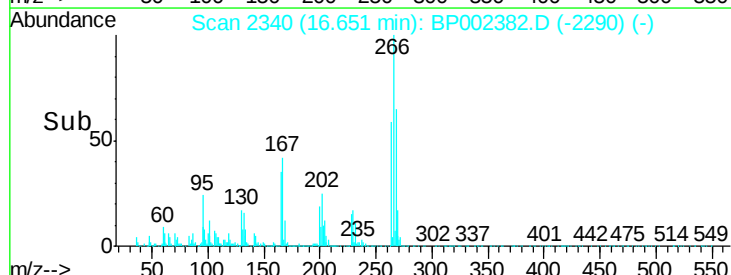
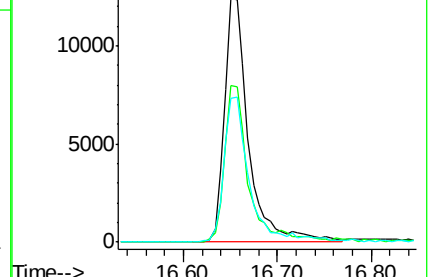
264 59.2 51.4 77.0

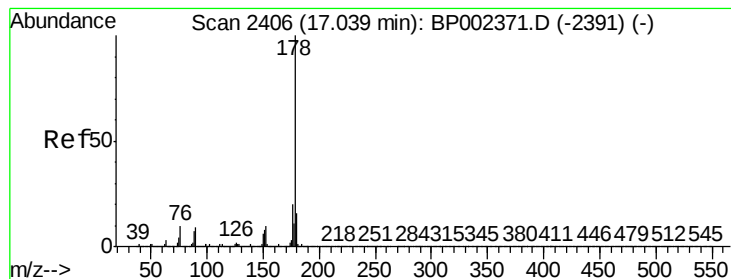


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 5.738 ng

RT: 17.03 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument:

BNA_P

ClientSampleId:

LOD-MDL-SOIL-01-QT1-2020

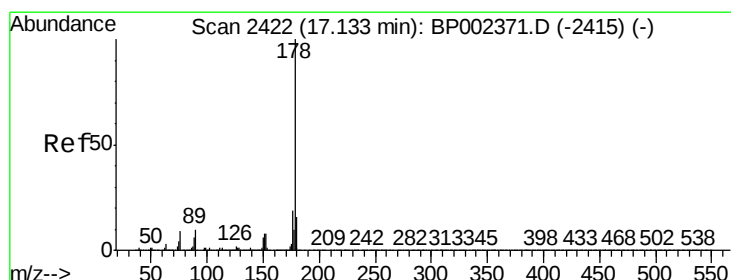
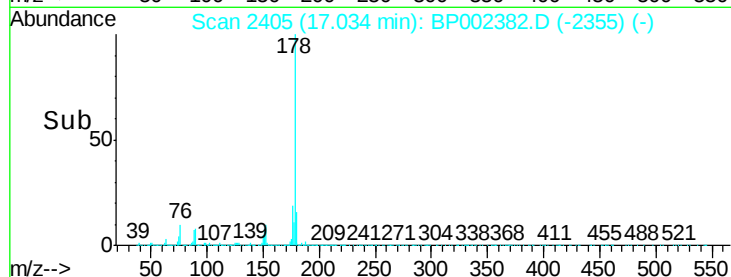
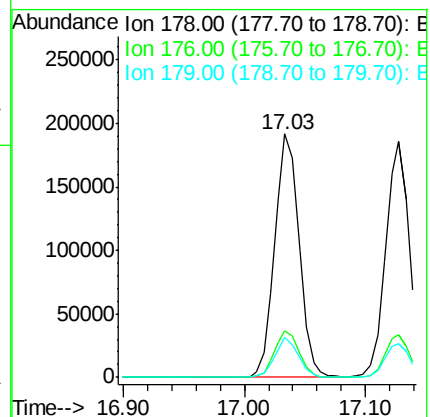
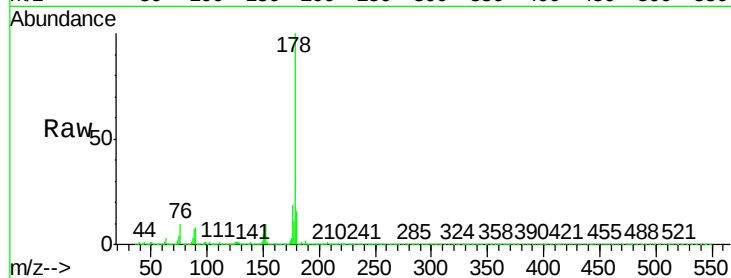
Tot Ion:178 Resp: 266033

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

179 16.4 12.5 18.7



#72

Anthracene

Concen: 5.681 ng

RT: 17.13 min Scan# 2421

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

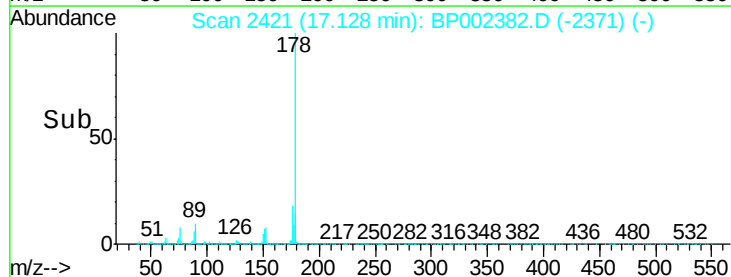
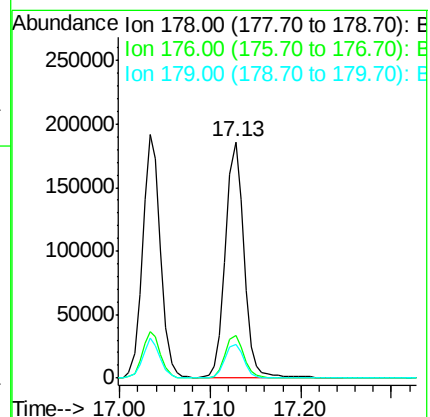
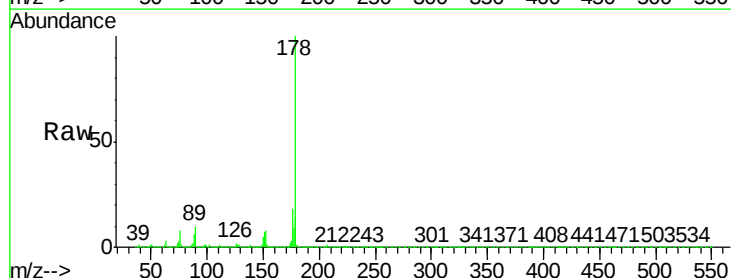
Tgt Ion:178 Resp: 261666

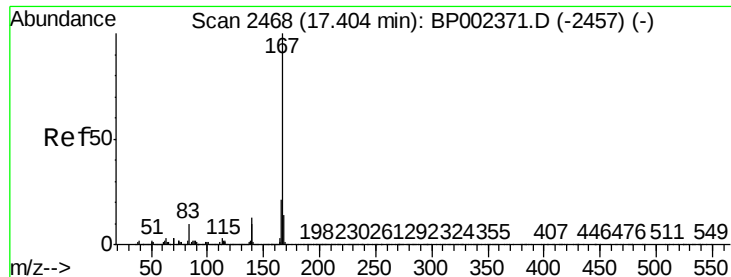
Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

179 14.1 13.0 19.4





#73

Carbazole

Concen: 5.120 ng

RT: 17.40 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

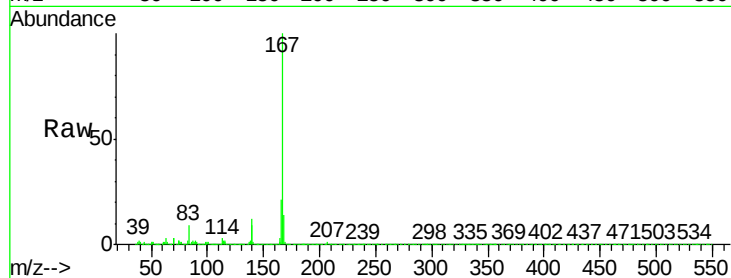
Tot Ion:167 Resp: 232005

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

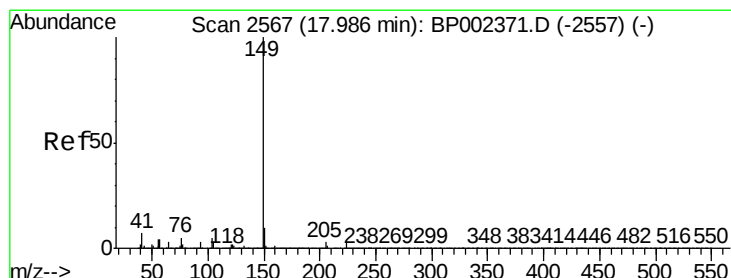
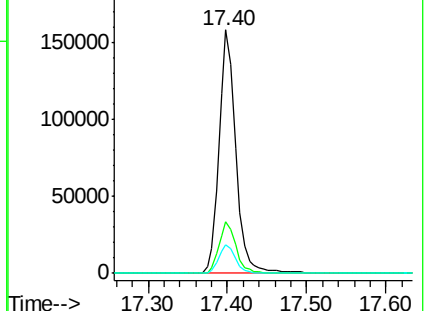
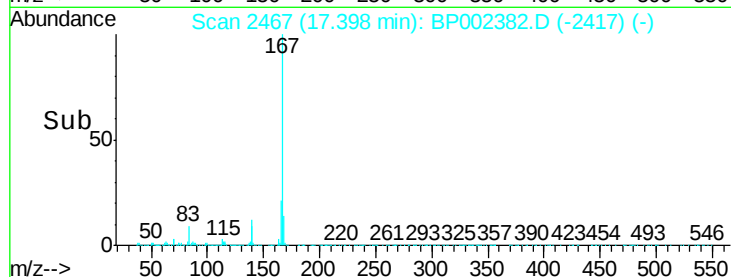
139 11.8 10.3 15.5



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: 4.511 ng

RT: 17.99 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

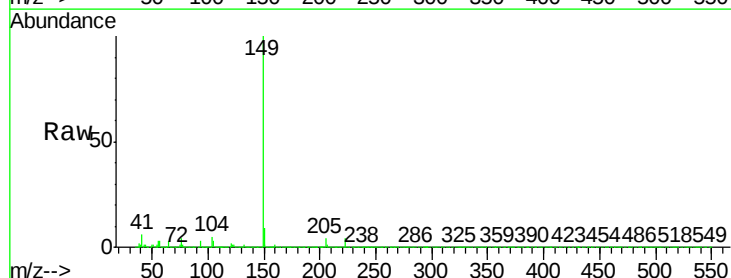
Tgt Ion:149 Resp: 241907

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

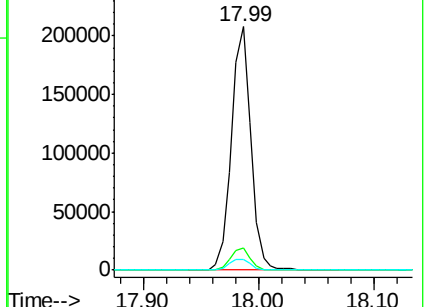
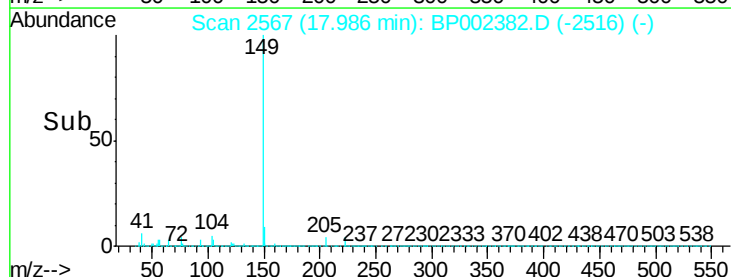
104 4.6 4.3 6.5

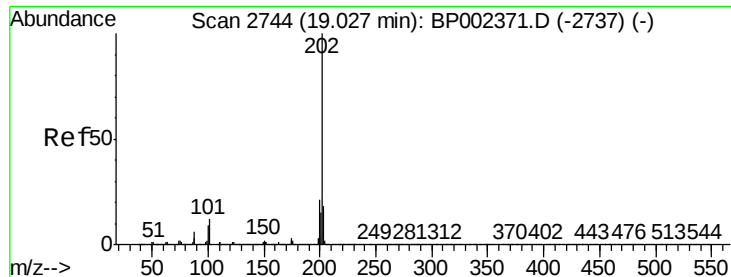


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 5.569 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

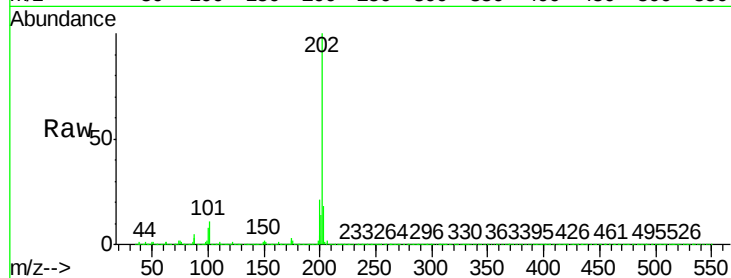
Tot Ion:202 Resp: 308233

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.8

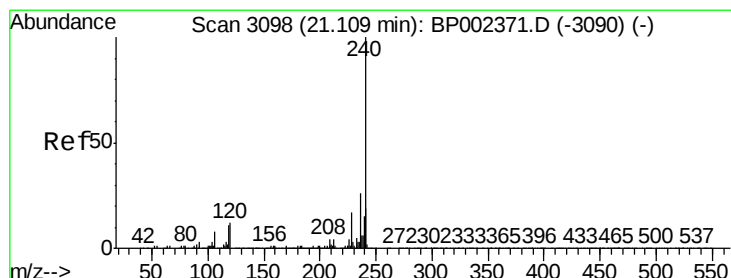
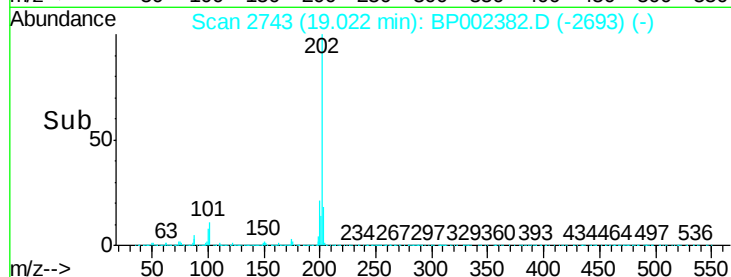
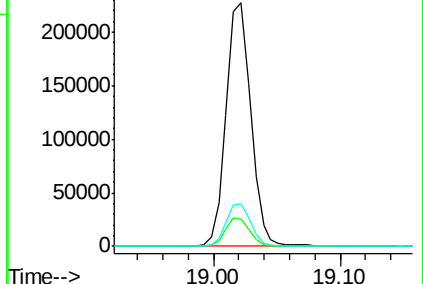
203 17.7 0.0 38.0



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: BP002382.D

Acq: 10 Jun 2020 19:25

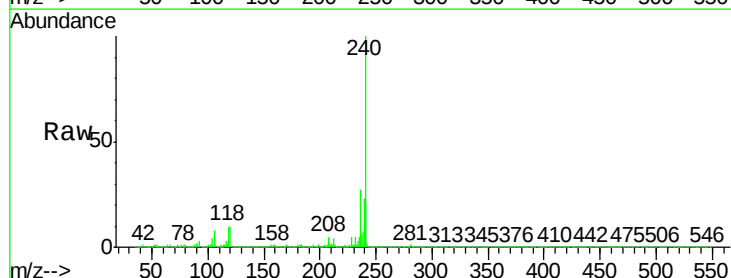
Tgt Ion:240 Resp: 1001243

Ion Ratio Lower Upper

240 100

120 10.4 9.3 13.9

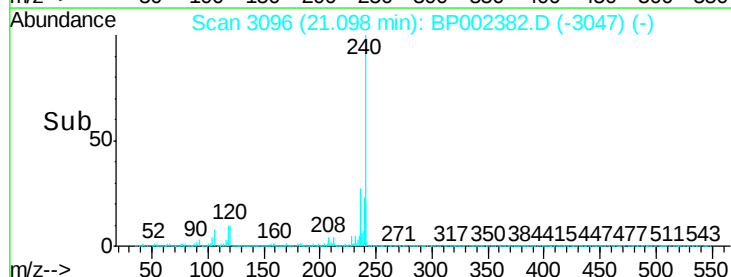
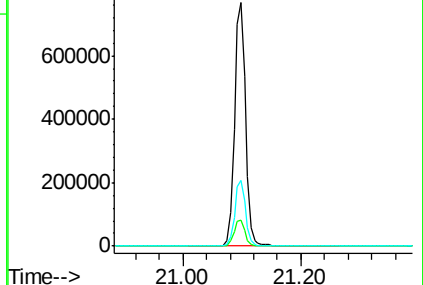
236 27.0 21.0 31.6

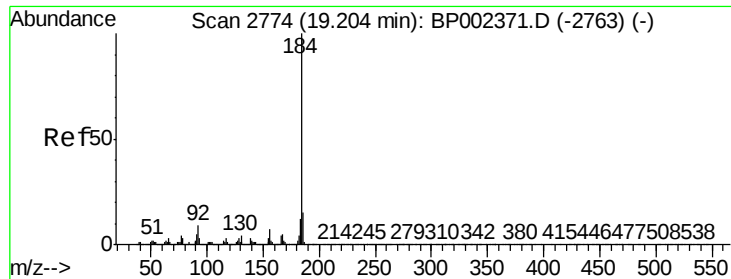


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 5.221 ng

RT: 19.20 min Scan# 2774

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

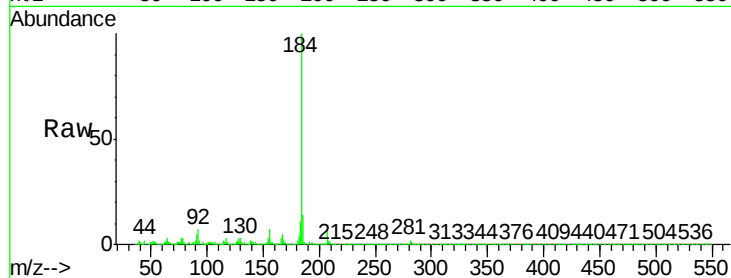
Tot Ion:184 Resp: 116805

Ion Ratio Lower Upper

184 100

185 14.4 11.8 17.8

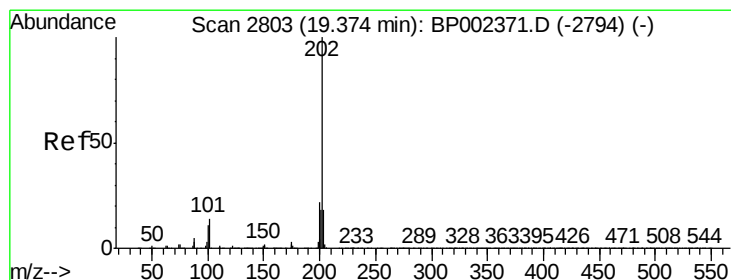
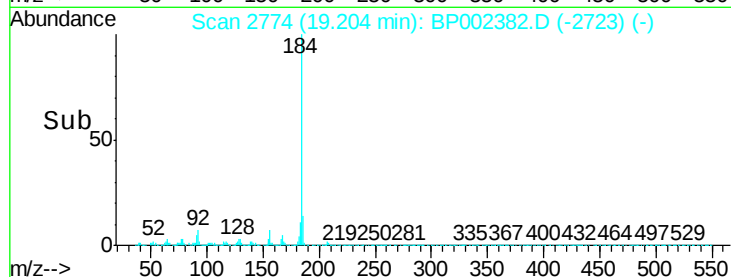
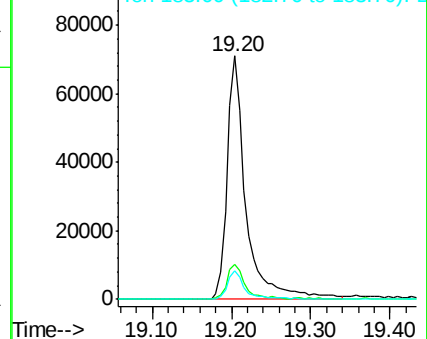
183 11.5 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 5.429 ng

RT: 19.37 min Scan# 2802

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

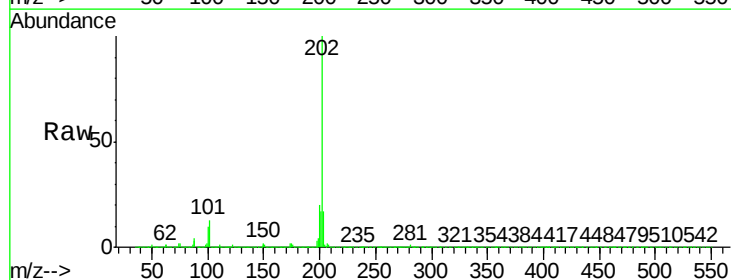
Tgt Ion:202 Resp: 332975

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

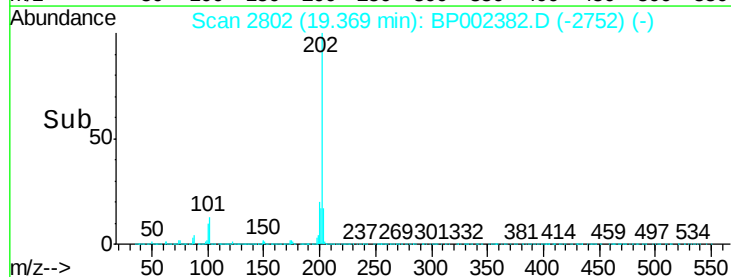
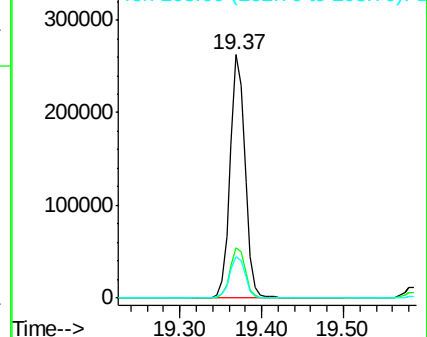
203 17.1 14.6 22.0

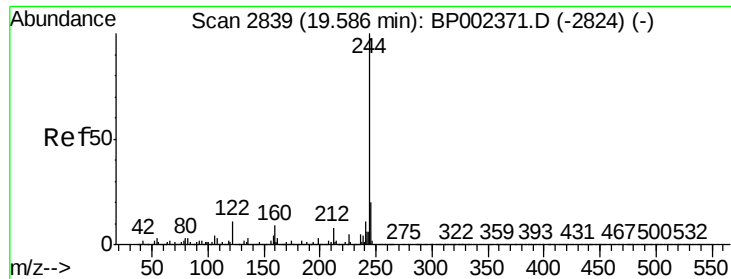


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 117.338 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

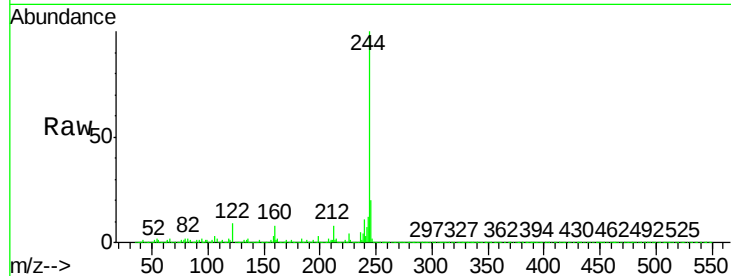
Tot Ion:244 Resp: 4483754

Ion Ratio Lower Upper

244 100

212 7.9 6.6 10.0

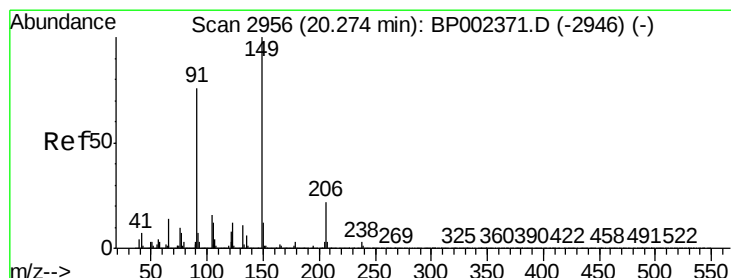
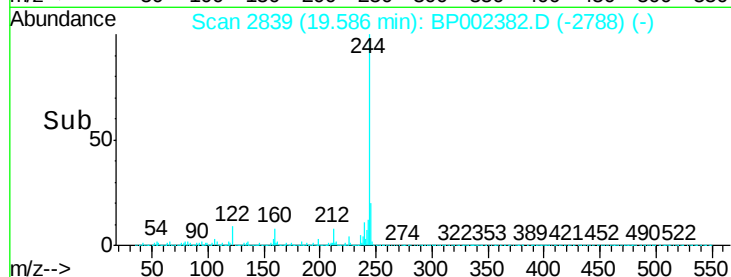
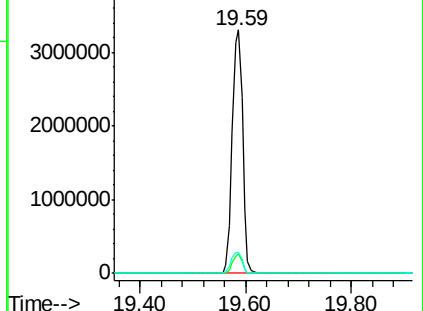
122 8.7 8.8 13.2#



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: 3.677 ng

RT: 20.27 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

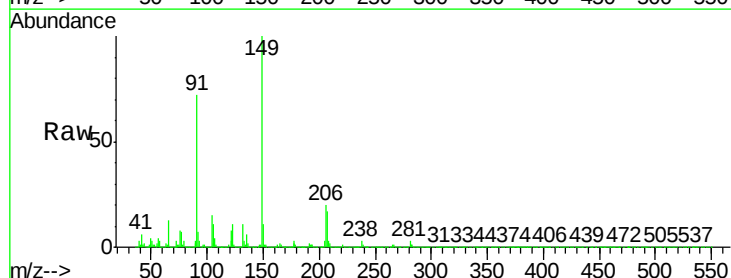
Tgt Ion:149 Resp: 100245

Ion Ratio Lower Upper

149 100

91 71.5 61.2 91.8

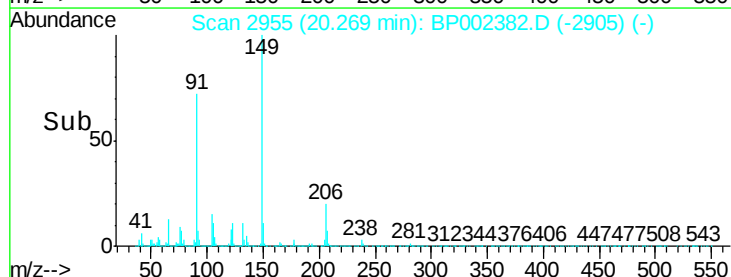
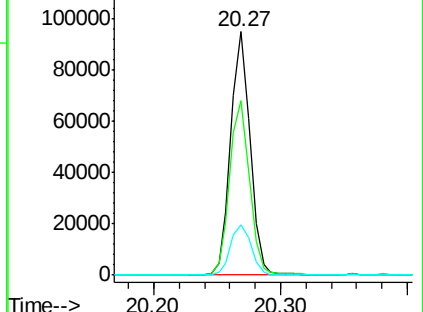
206 20.5 17.8 26.6

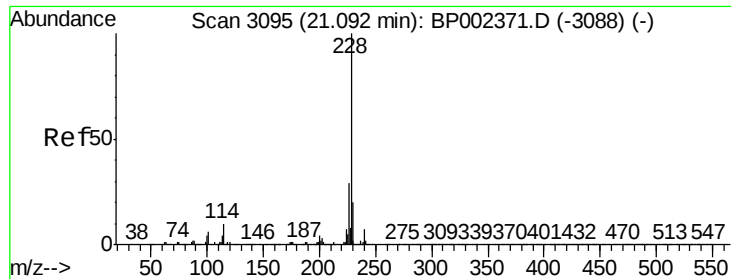


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

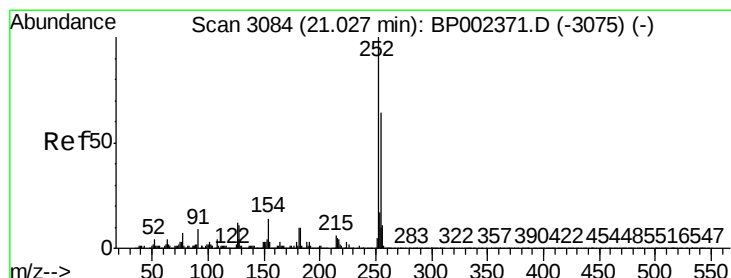
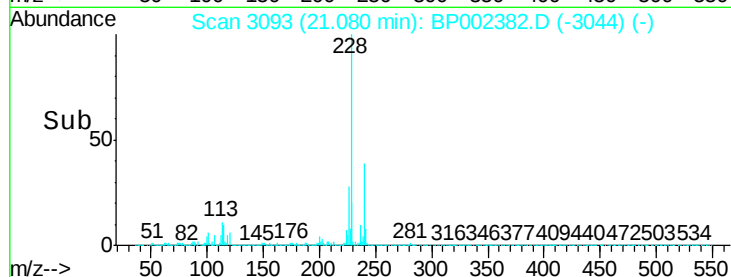
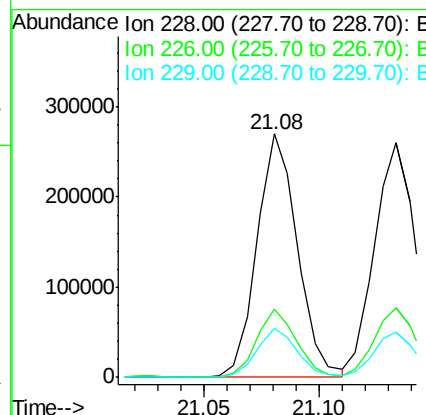
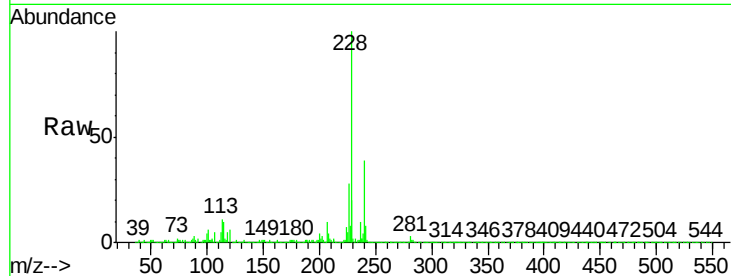




#81
Benzo(a)anthracene
Concen: 5.774 ng
RT: 21.08 min Scan# 3093
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

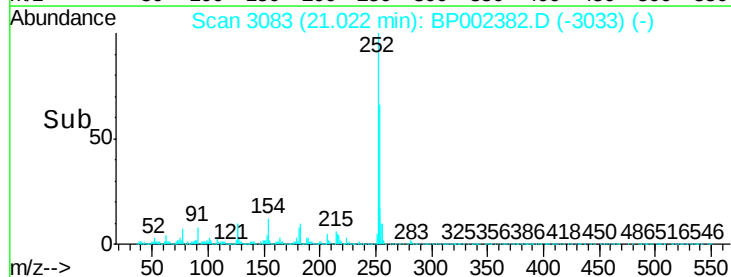
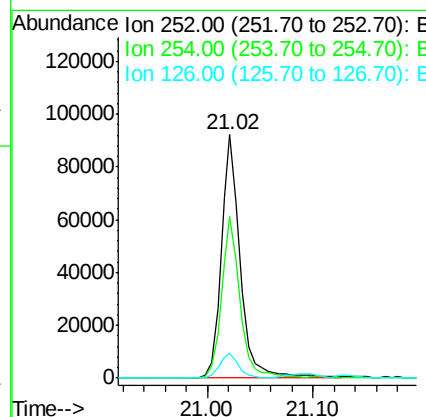
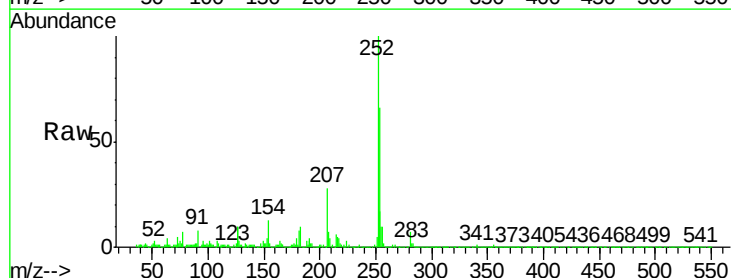
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

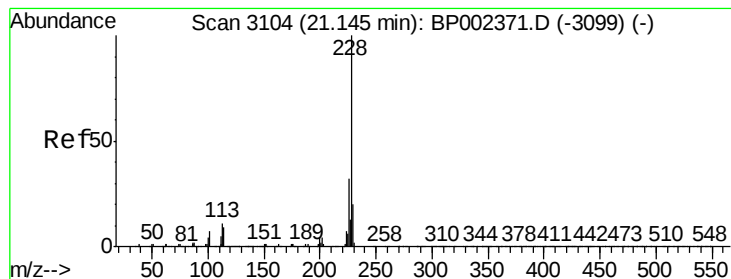
Tot Ion:228 Resp: 329978
Ion Ratio Lower Upper
228 100
226 27.9 22.8 34.2
229 20.0 16.2 24.2



#82
3,3'-Dichlorobenzidine
Concen: 5.460 ng
RT: 21.02 min Scan# 3083
Delta R.T. -0.01 min
Lab File: BP002382.D
Acq: 10 Jun 2020 19:25

Tgt Ion:252 Resp: 115965
Ion Ratio Lower Upper
252 100
254 66.2 51.4 77.2
126 9.9 9.2 13.8





#83

Chrysene

Concen: 6.065 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

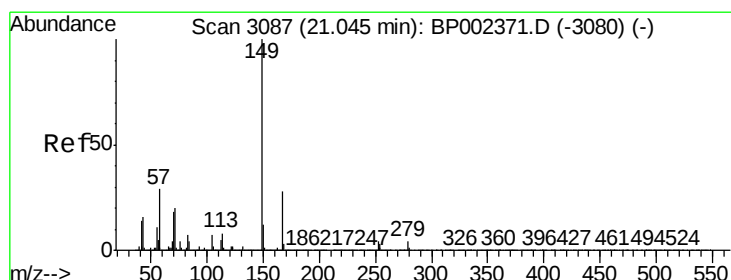
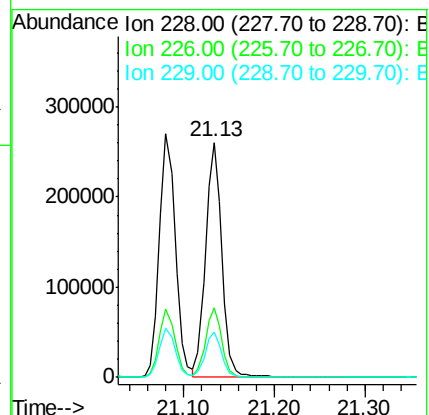
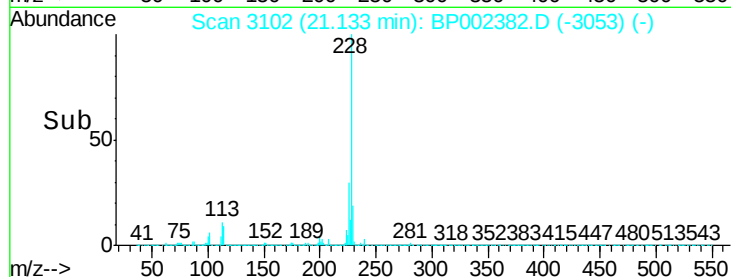
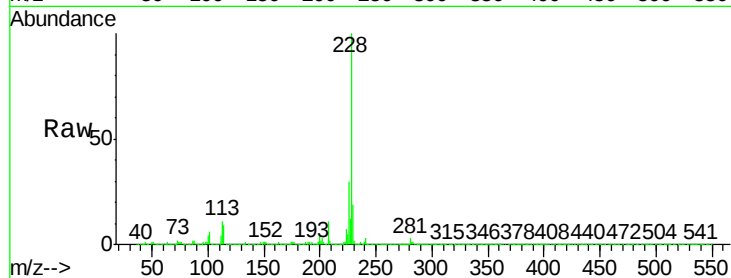
Tot Ion:228 Resp: 328416

Ion Ratio Lower Upper

228 100

226 29.7 25.2 37.8

229 19.3 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.213 ng

RT: 21.04 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

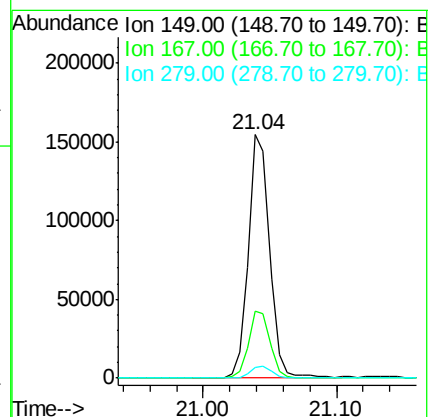
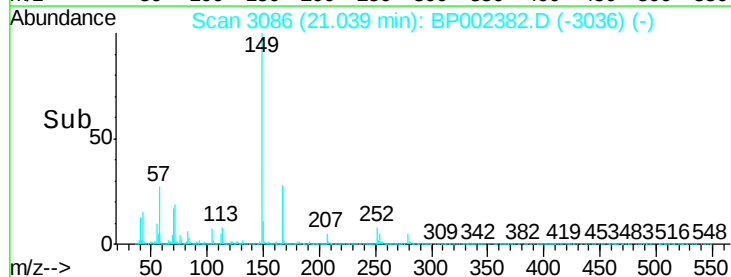
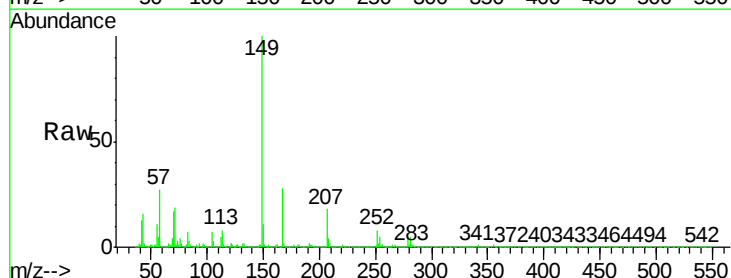
Tgt Ion:149 Resp: 167060

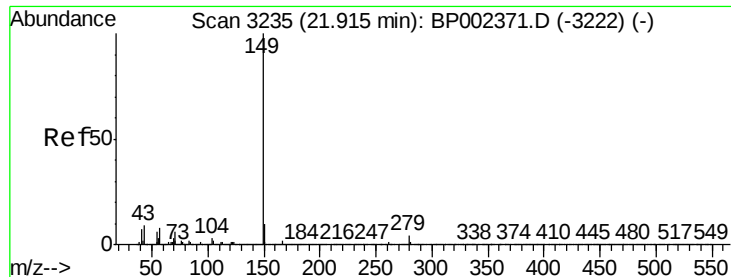
Ion Ratio Lower Upper

149 100

167 27.6 22.3 33.5

279 4.5 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 3.965 ng

RT: 21.90 min Scan# 3233

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

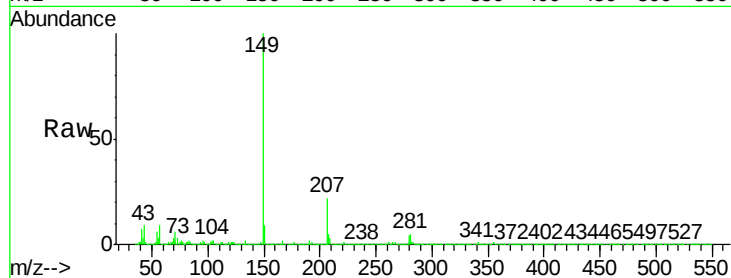
Tot Ion:149 Resp: 275768

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

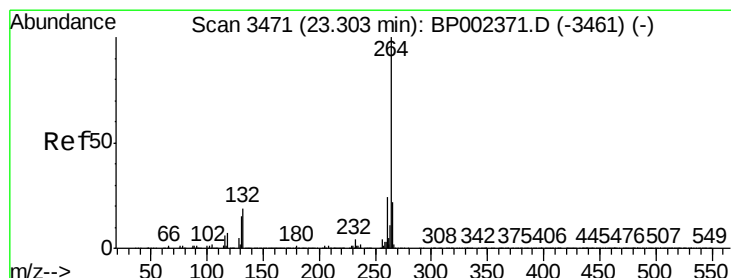
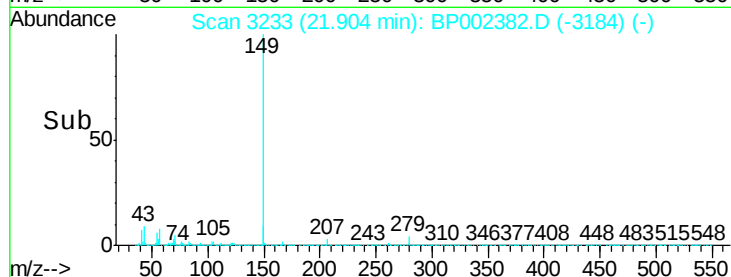
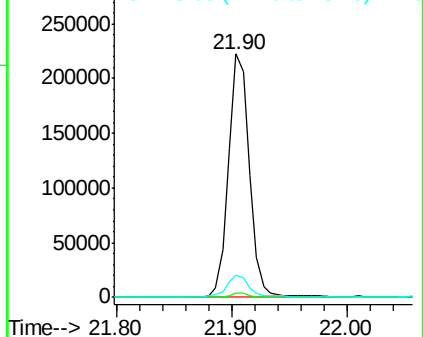
43 9.3 7.8 11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.29 min Scan# 3469

Delta R.T. -0.01 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

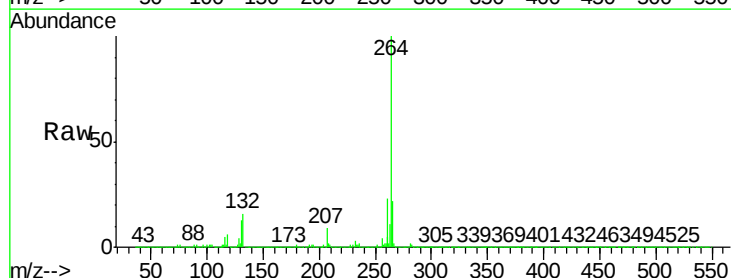
Tgt Ion:264 Resp: 1158071

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

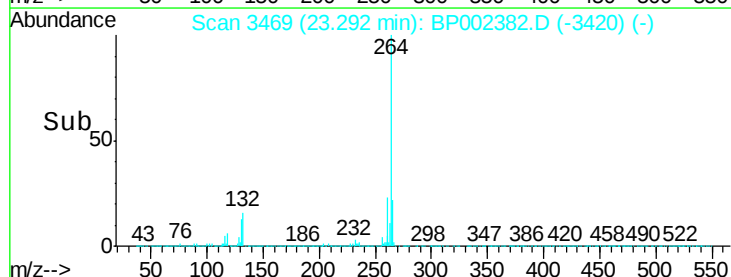
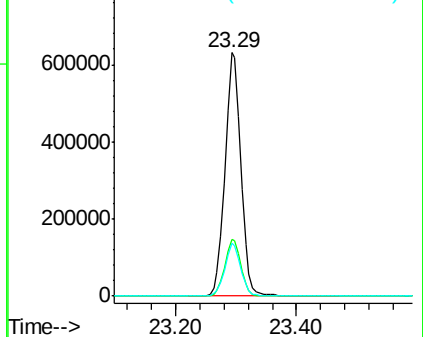
265 21.9 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

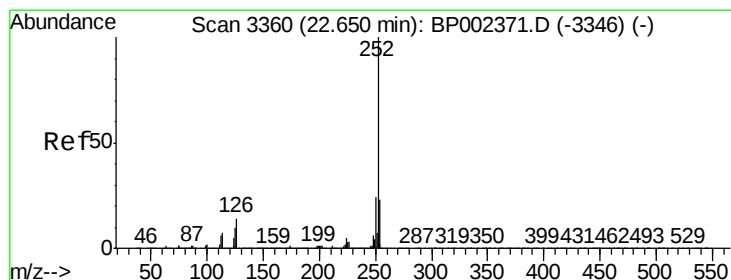
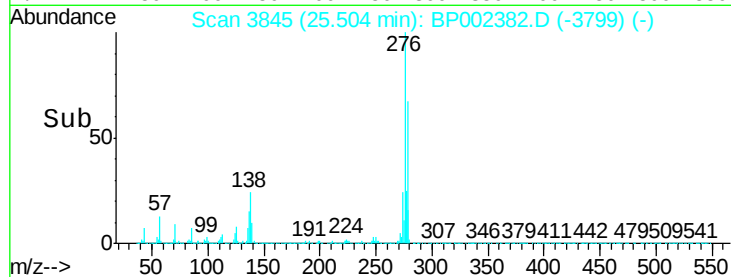
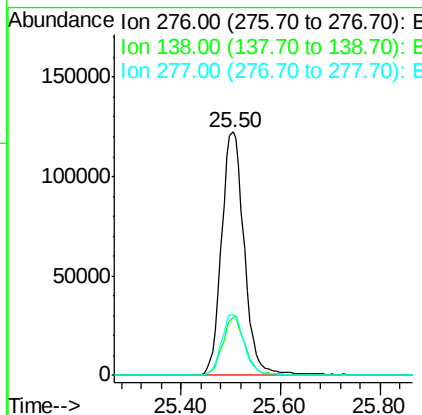
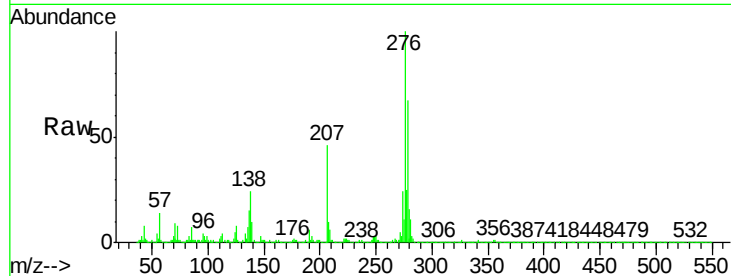




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.363 ng
 RT: 25.50 min Scan# 3845
 Delta R.T. -0.03 min
 Lab File: BP002382.D
 Acq: 10 Jun 2020 19:25

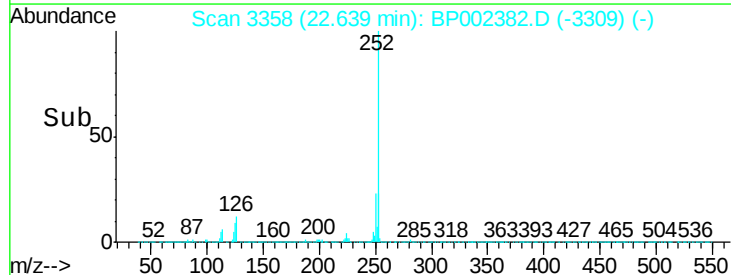
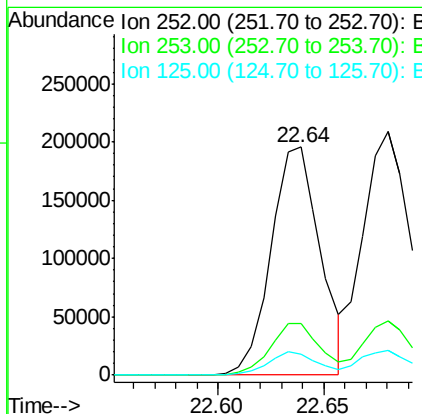
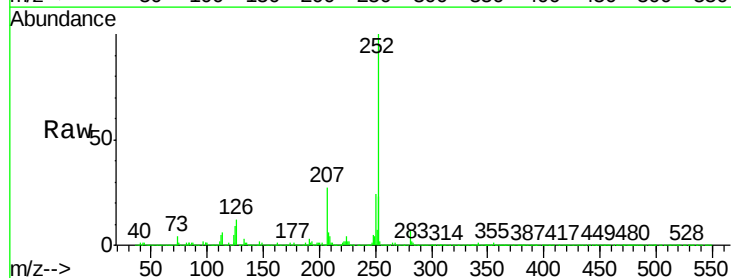
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion:276 Resp: 388439
 Ion Ratio Lower Upper
 276 100
 138 23.6 21.2 31.8
 277 25.0 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 5.071 ng
 RT: 22.64 min Scan# 3358
 Delta R.T. -0.01 min
 Lab File: BP002382.D
 Acq: 10 Jun 2020 19:25

Tgt Ion:252 Resp: 316717
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.1 27.1
 125 9.1 8.2 12.2





#89

Benzo(k)fluoranthene

Concen: 5.688 ng

RT: 22.68 min Scan# 3365

Delta R.T. -0.02 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

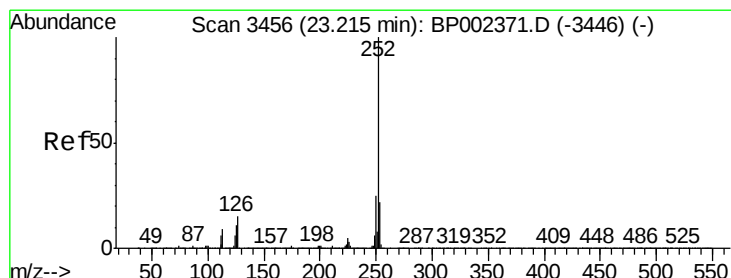
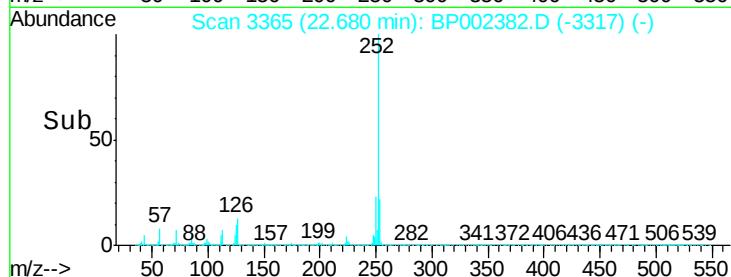
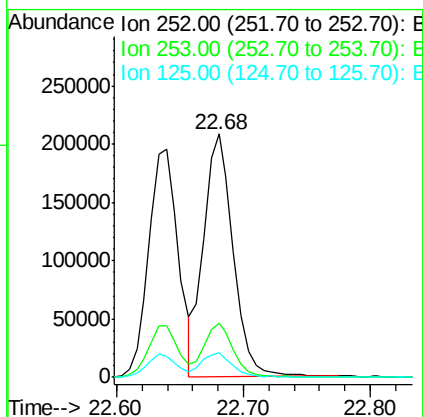
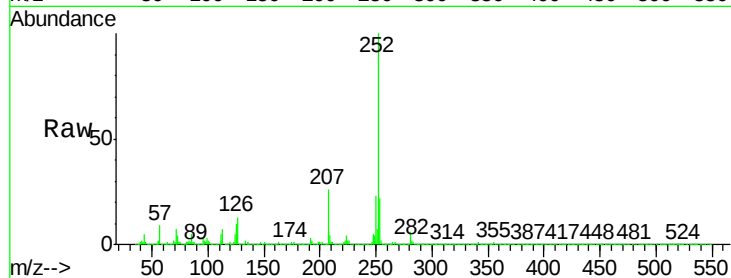
Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion:252	Resp:	337492
Ion Ratio	Lower	Upper
252	100	
253	22.2	17.8 26.6
125	10.0	7.8 11.8



#90

Benzo(a)pyrene

Concen: 5.009 ng

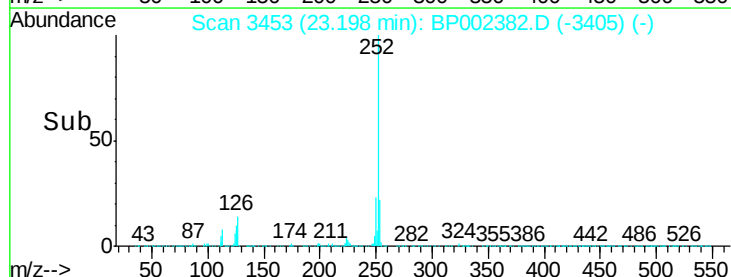
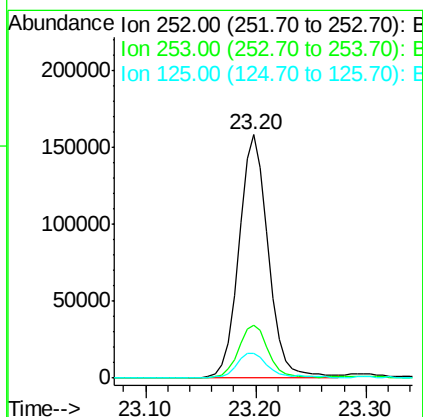
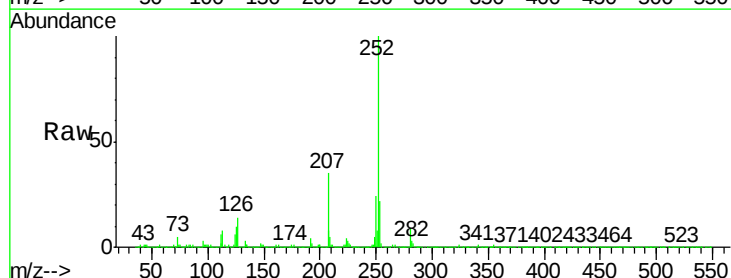
RT: 23.20 min Scan# 3453

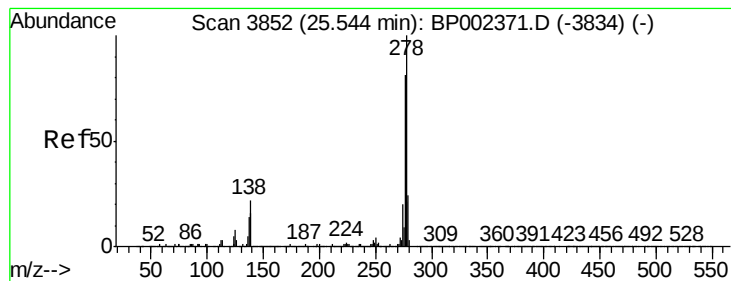
Delta R.T. -0.02 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Tgt Ion:252	Resp:	293129
Ion Ratio	Lower	Upper
252	100	
253	21.8	17.8 26.8
125	10.2	9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 5.569 ng

RT: 25.52 min Scan# 3847

Delta R.T. -0.03 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

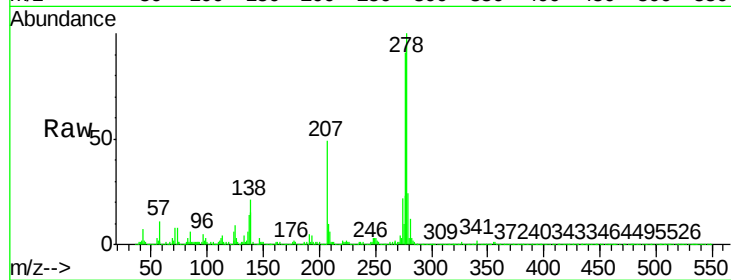
Tot Ion:278 Resp: 323545

Ion Ratio Lower Upper

278 100

139 15.0 13.1 19.7

279 23.7 18.9 28.3

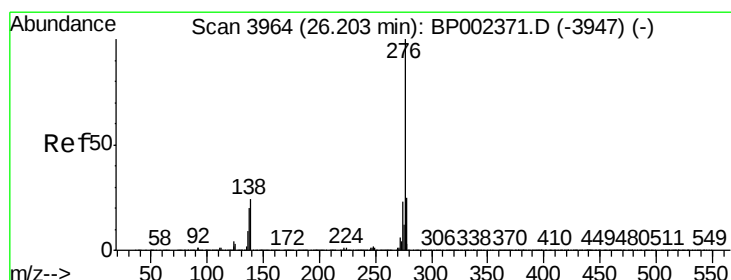
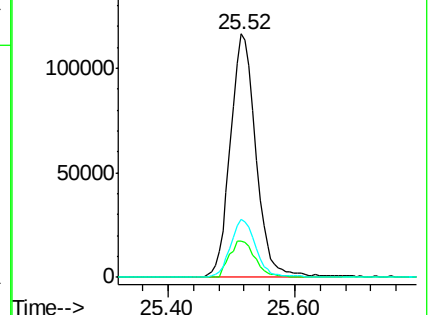
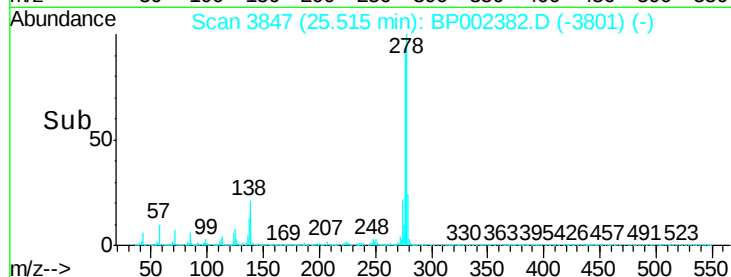


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 5.388 ng

RT: 26.17 min Scan# 3959

Delta R.T. -0.03 min

Lab File: BP002382.D

Acq: 10 Jun 2020 19:25

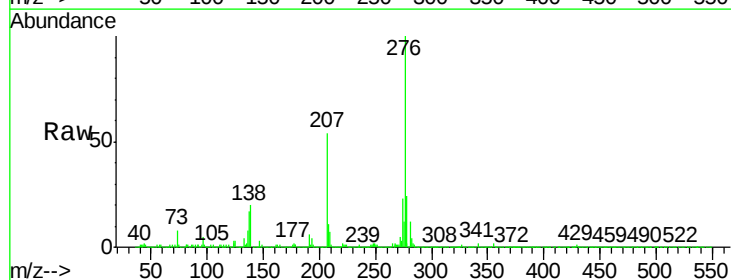
Tgt Ion:276 Resp: 324215

Ion Ratio Lower Upper

276 100

277 23.7 19.8 29.6

138 20.0 19.2 28.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

