

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061220\
 Data File : BP002400.D
 Acq On : 12 Jun 2020 16:14
 Operator : CG/JU
 Sample : L2182-01
 Misc : MDL-MDL-S-5PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jun 12 17:05:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:44:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	157650	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	610152	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	372125	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	793656	20.00	ng	0.00
76) Chrysene-d12	21.10	240	768324	20.00	ng	0.00
86) Perylene-d12	23.30	264	885485	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	1396310	163.89	ng	0.00
7) Phenol-d6	6.78	99	1860797	164.05	ng	0.00
23) Nitrobenzene-d5	8.73	82	1248408	122.19	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	621913	174.56	ng	0.00
45) 2-Fluorobiphenyl	12.86	172	2499447	112.94	ng	0.00
79) Terphenyl-d14	19.59	244	3314746	113.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.16	88	21954	5.594	ng	98
3) Pyridine	3.55	79	49818	4.671	ng	93
4) n-Nitrosodimethylamine	3.46	42	21364	4.860	ng	# 92
6) Aniline	6.92	93	81177	5.262	ng	97
8) 2-Chlorophenol	7.16	128	49608	5.179	ng	94
9) Benzaldehyde	6.74	77	48806	8.421	ng	96
10) Phenol	6.80	94	66209	5.382	ng	94
11) bis(2-Chloroethyl)ether	7.03	93	52212	5.083	ng	99
12) 1,3-Dichlorobenzene	7.48	146	56853	5.154	ng	99
13) 1,4-Dichlorobenzene	7.63	146	57282	5.161	ng	99
14) 1,2-Dichlorobenzene	7.94	146	55327	5.204	ng	96
15) Benzyl Alcohol	7.83	79	38972	4.433	ng	99
16) 2,2'-oxybis(1-Chloropropan	8.13	45	73417	5.038	ng	99
17) 2-Methylphenol	8.04	107	39559	4.401	ng	97
18) Hexachloroethane	8.66	117	19504	4.824	ng	99
19) n-Nitroso-di-n-propylamine	8.39	70	38456	5.072	ng	97
20) 3+4-Methylphenols	8.36	107	53172	4.383	ng	99
22) Acetophenone	8.40	105	80208	5.851	ng	99
24) Nitrobenzene	8.77	77	65267	5.943	ng	97
25) Isophorone	9.30	82	106703	5.128	ng	97
26) 2-Nitrophenol	9.49	139	21978	4.491	ng	93
27) 2,4-Dimethylphenol	9.56	122	25057	3.264	ng	99
28) bis(2-Chloroethoxy)methane	9.79	93	68450	5.523	ng	98
29) 2,4-Dichlorophenol	10.02	162	40424	4.677	ng	100
30) 1,2,4-Trichlorobenzene	10.23	180	52168	5.415	ng	99
31) Naphthalene	10.42	128	161511	5.698	ng	99
33) 4-Chloroaniline	10.53	127	61555	4.974	ng	98
34) Hexachlorobutadiene	10.72	225	27869	4.957	ng	98
35) Caprolactam	11.26	113	12177	3.995	ng	98
36) 4-Chloro-3-methylphenol	11.67	107	44425	4.751	ng	96
37) 2-Methylnaphthalene	12.04	142	111753	5.554	ng	96
38) 1-Methylnaphthalene	12.26	142	106413	5.635	ng	96
40) 1,2,4,5-Tetrachlorobenzene	12.42	216	59031	6.018	ng	98
41) Hexachlorocyclopentadiene	12.40	237	19670	3.772	ng	97

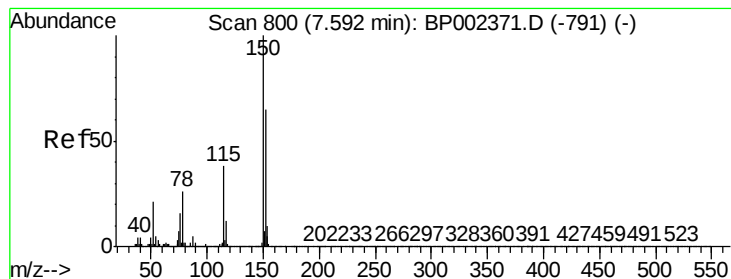
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061220\
 Data File : BP002400.D
 Acq On : 12 Jun 2020 16:14
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,6-Trichlorophenol	12.66	196	29836	4.298	ng	93
44) 2,4,5-Trichlorophenol	12.73	196	33123	4.120	ng	97
46) 1,1'-Biphenyl	13.07	154	147936	6.066	ng	96
47) 2-Chloronaphthalene	13.10	162	108869	5.457	ng	99
48) 2-Nitroaniline	13.31	65	24718	3.881	ng	91
49) Acenaphthylene	13.96	152	172683	5.423	ng	98
50) Dimethylphthalate	13.70	163	131941	5.175	ng	99
51) 2,6-Dinitrotoluene	13.82	165	23915	4.319	ng	92
52) Acenaphthene	14.30	154	105132	5.636	ng	96
53) 3-Nitroaniline	14.15	138	23801	3.764	ng	# 94
55) Dibenzofuran	14.65	168	171035	5.695	ng	99
56) 4-Nitrophenol	14.47	139	15080	3.004	ng	91
57) 2,4-Dinitrotoluene	14.61	165	29975	3.977	ng	88
58) Fluorene	15.30	166	129475	5.481	ng	97
59) 2,3,4,6-Tetrachlorophenol	14.88	232	30124	4.721	ng	99
60) Diethylphthalate	15.09	149	129960	5.087	ng	97
61) 4-Chlorophenyl-phenylether	15.30	204	66860	5.839	ng	98
62) 4-Nitroaniline	15.31	138	22782	3.750	ng	94
63) Azobenzene	15.60	77	137739	5.416	ng	97
65) 4,6-Dinitro-2-methylphenol	15.38	198	13243	3.162	ng	93
66) n-Nitrosodiphenylamine	15.52	169	114855	5.665	ng	98
67) 4-Bromophenyl-phenylether	16.20	248	38012	5.056	ng	96
68) Hexachlorobenzene	16.31	284	43657	5.472	ng	# 93
69) Atrazine	16.48	200	38350	5.798	ng	98
70) Pentachlorophenol	16.66	266	15980	3.348	ng	97
71) Phenanthrene	17.04	178	221222	5.959	ng	98
72) Anthracene	17.13	178	204813	5.553	ng	99
73) Carbazole	17.40	167	191578	5.280	ng	97
74) Di-n-butylphthalate	17.99	149	197965	4.611	ng	98
75) Fluoranthene	19.03	202	244346	5.514	ng	98
77) Benzidine	19.21	184	90148	5.251	ng	98
78) Pyrene	19.38	202	261943	5.566	ng	98
80) Butylbenzylphthalate	20.27	149	82726	3.954	ng	96
81) Benzo(a)anthracene	21.09	228	255126	5.817	ng	97
82) 3,3'-Dichlorobenzidine	21.03	252	85804	5.265	ng	99
83) Chrysene	21.14	228	254330	6.121	ng	98
84) Bis(2-ethylhexyl)phthalate	21.05	149	135218	4.443	ng	99
85) Di-n-octyl phthalate	21.92	149	231595	4.339	ng	99
87) Indeno(1,2,3-cd)pyrene	25.52	276	291505	5.263	ng	97
88) Benzo(b)fluoranthene	22.64	252	249621	5.227	ng	97
89) Benzo(k)fluoranthene	22.64	252	249621	5.502	ng	98
90) Benzo(a)pyrene	23.20	252	225002	5.028	ng	97
91) Dibenzo(a,h)anthracene	25.53	278	245516	5.526	ng	97
92) Benzo(g,h,i)perylene	26.19	276	245198	5.329	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 800

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

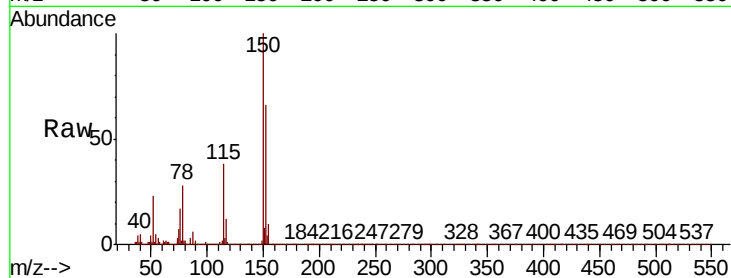
Tot Ion:152 Resp: 157650

Ion Ratio Lower Upper

152 100

150 150.8 124.0 186.0

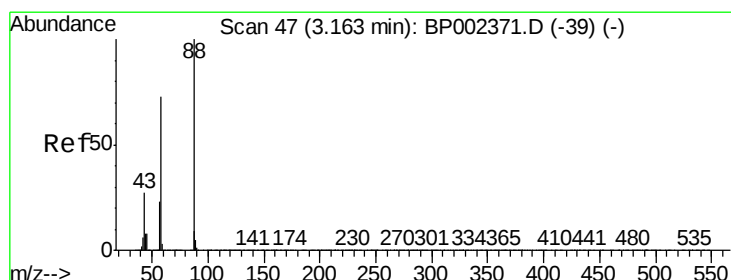
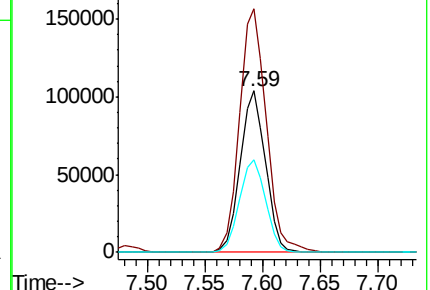
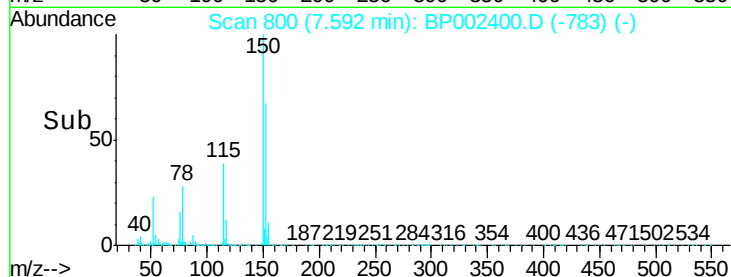
115 57.6 47.4 71.0



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: 5.594 ng

RT: 3.16 min Scan# 47

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

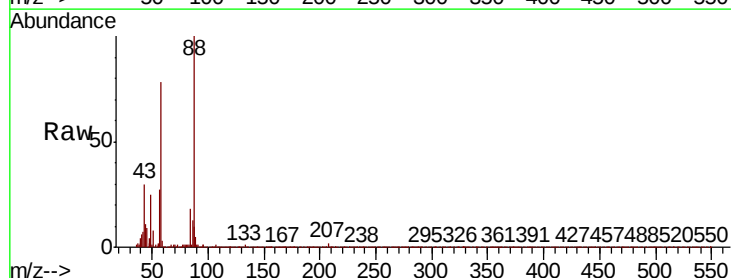
Tgt Ion: 88 Resp: 21954

Ion Ratio Lower Upper

88 100

58 70.9 58.2 87.4

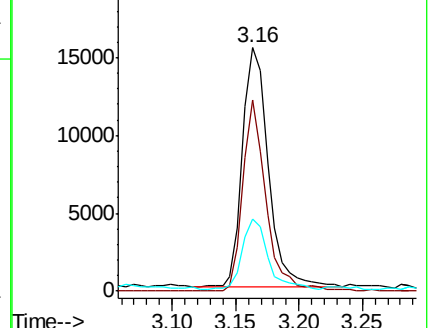
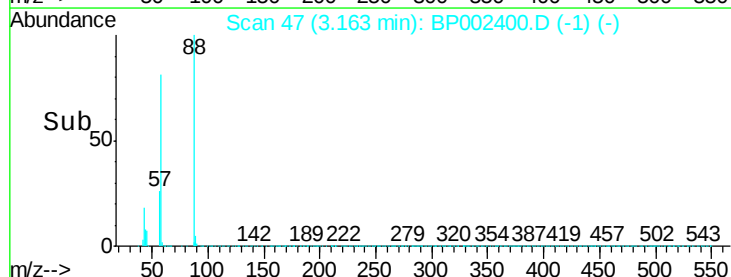
43 28.6 21.8 32.8



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: 4.671 ng

RT: 3.55 min Scan# 113

Delta R.T. 0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

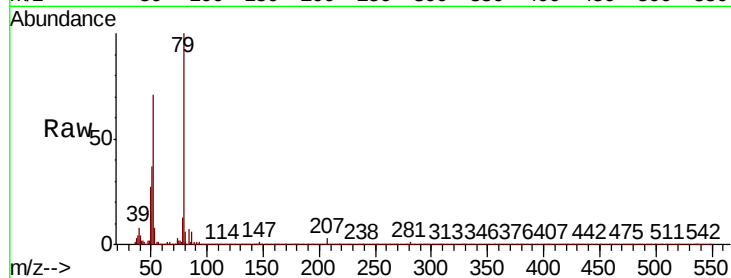
Tot Ion: 79 Resp: 49818

Ion Ratio Lower Upper

79 100

52 70.7 52.5 78.7

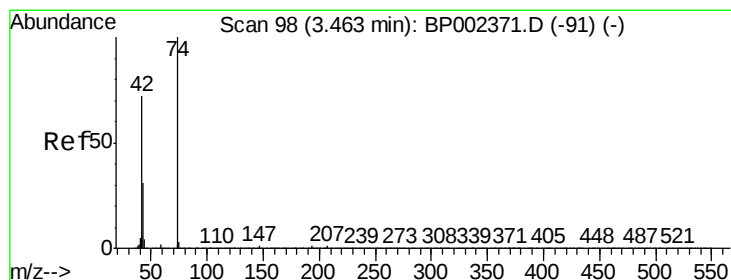
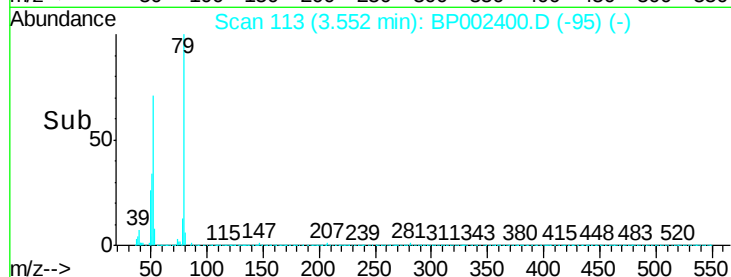
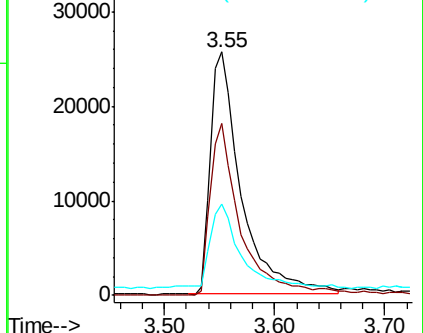
51 37.3 26.1 39.1



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: 4.860 ng

RT: 3.46 min Scan# 98

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

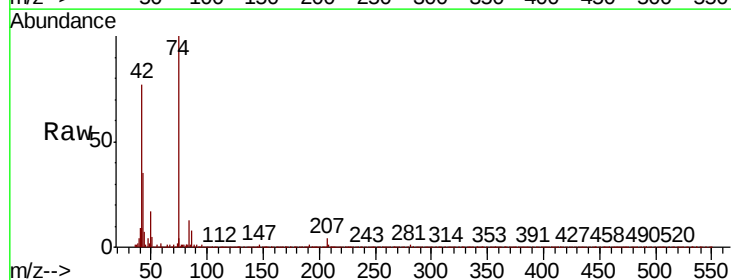
Tgt Ion: 42 Resp: 21364

Ion Ratio Lower Upper

42 100

74 129.7 111.1 166.7

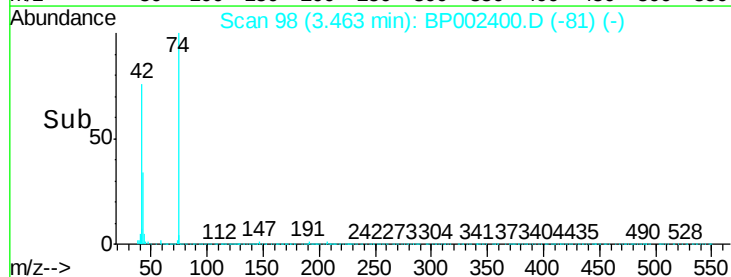
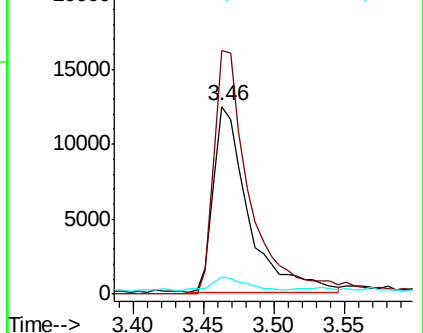
44 8.9 5.4 8.0#

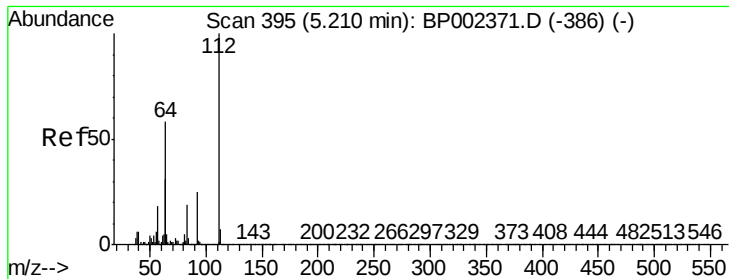


Abundance Ion 42.00 (41.70 to 42.70): BP0

Ion 74.00 (73.70 to 74.70): BP0

Ion 44.00 (43.70 to 44.70): BP0





#5

2-Fluorophenol

Concen: 163.892 ng

RT: 5.20 min Scan# 394

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

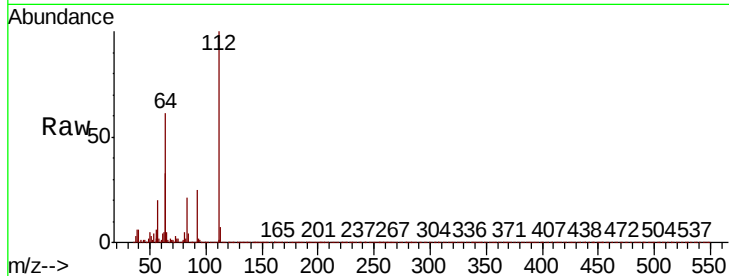
Tot Ion:112 Resp: 1396310

Ion Ratio Lower Upper

112 100

64 61.2 46.2 69.2

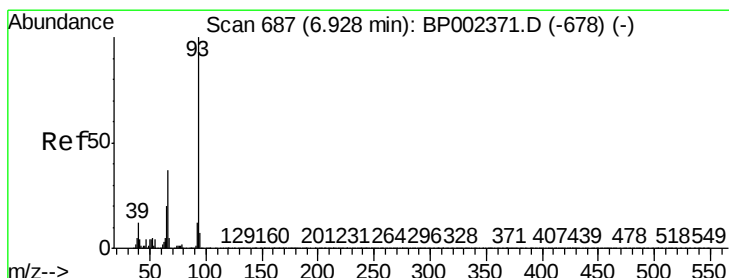
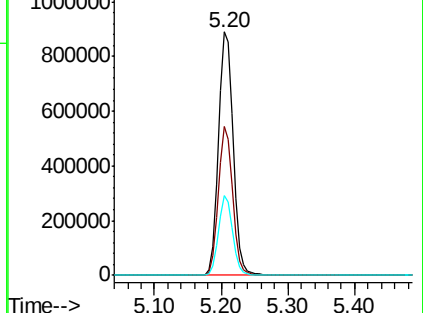
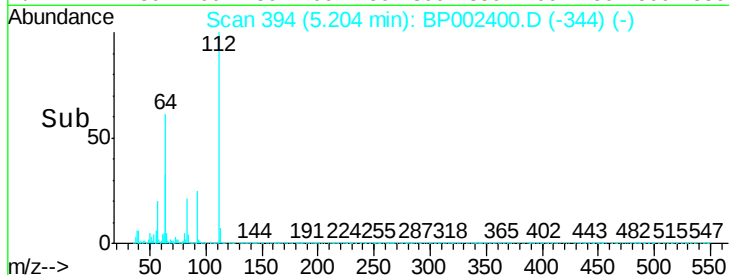
63 32.6 24.5 36.7



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: 5.262 ng

RT: 6.92 min Scan# 686

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

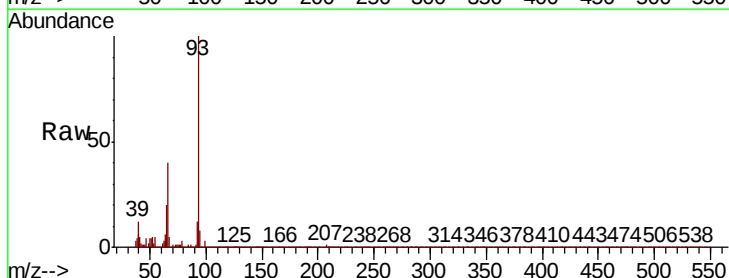
Tgt Ion: 93 Resp: 81177

Ion Ratio Lower Upper

93 100

66 40.2 29.8 44.6

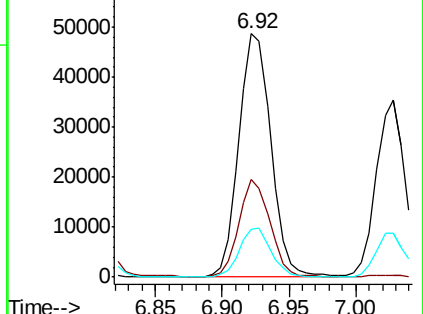
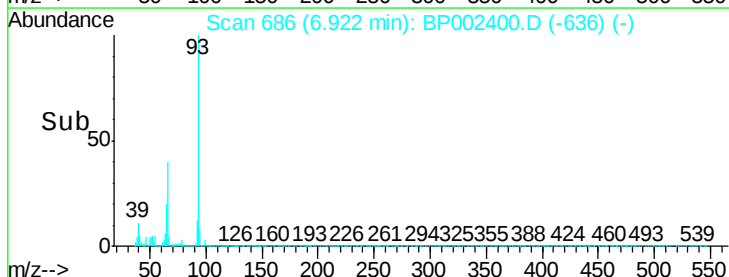
65 19.8 15.7 23.5

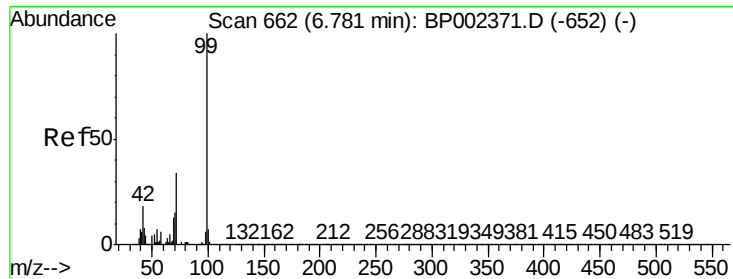


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 164.047 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

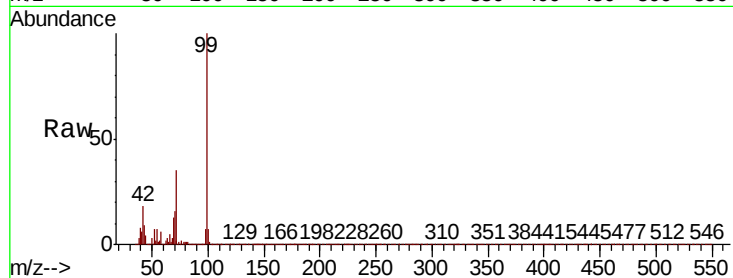
BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion: 99 Resp: 1860797

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.6	22.0
71	34.5	27.2	40.8

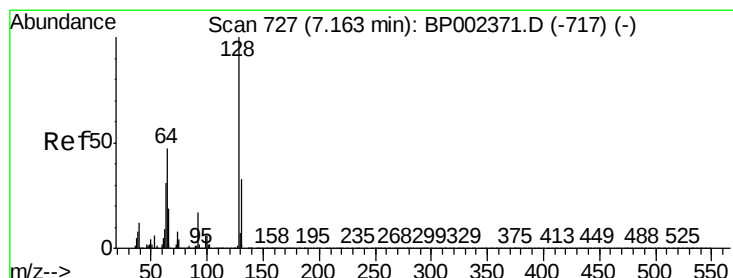
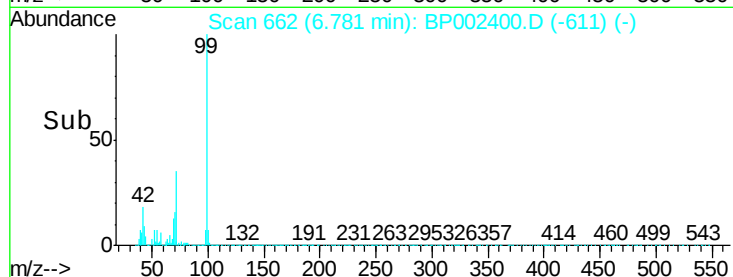
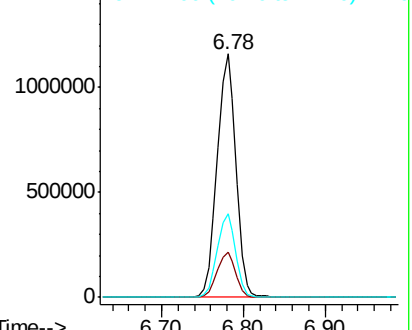


Abundance

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: 5.179 ng

RT: 7.16 min Scan# 727

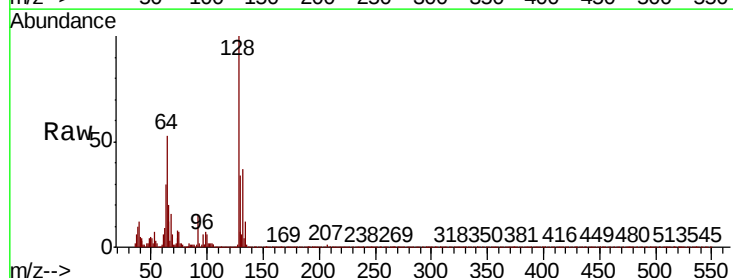
Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Tgt Ion: 128 Resp: 49608

Ion	Ratio	Lower	Upper
128	100		
130	34.1	12.5	52.5
64	52.7	27.7	67.7

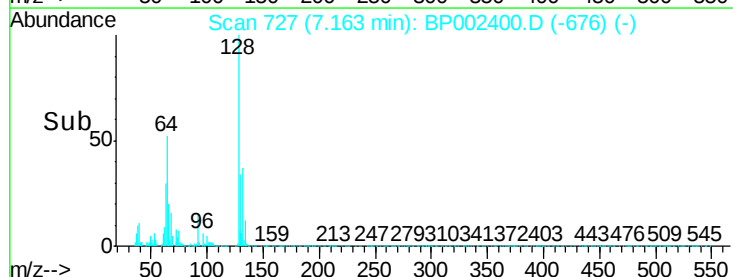
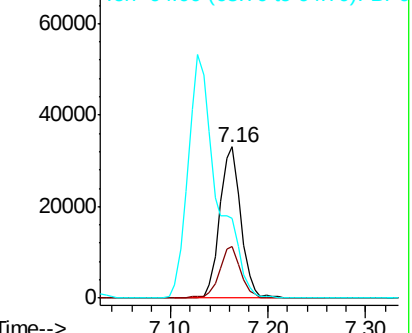


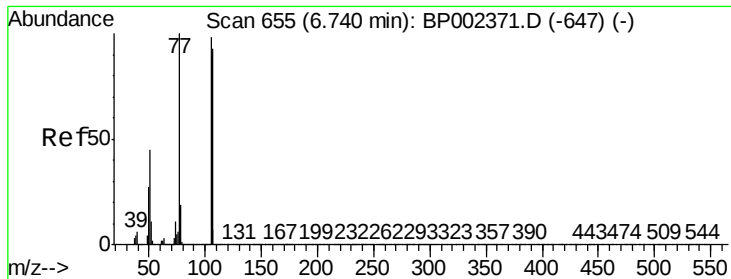
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0





#9

Benzaldehyde

Concen: 8.421 ng

RT: 6.74 min Scan# 655

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

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LOD-MDL-SOIL-01-QT2-2020

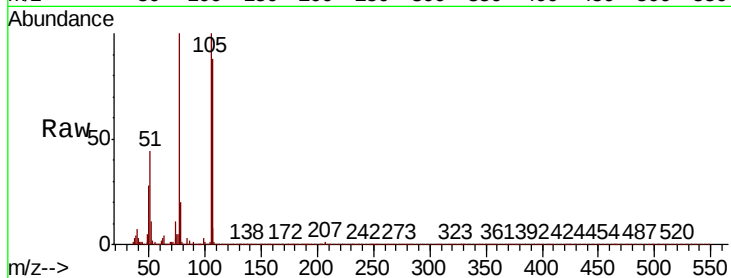
Tot Ion: 77 Resp: 48806

Ion Ratio Lower Upper

77 100

105 100.4 78.1 118.1

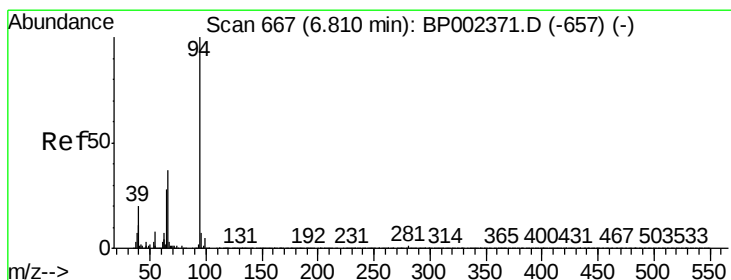
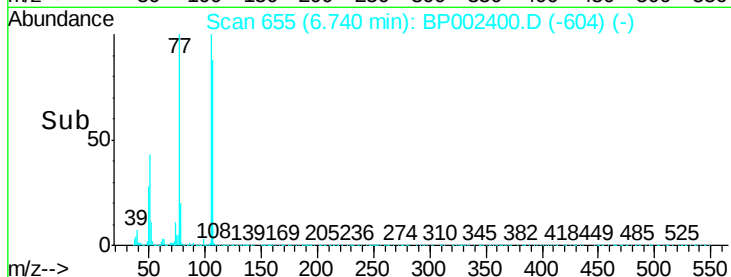
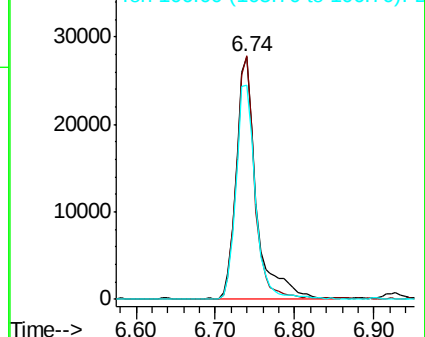
106 88.1 73.2 113.2



Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B



#10

Phenol

Concen: 5.382 ng

RT: 6.80 min Scan# 666

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

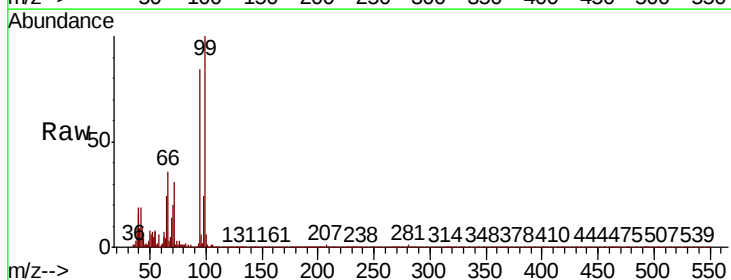
Tgt Ion: 94 Resp: 66209

Ion Ratio Lower Upper

94 100

65 28.8 7.7 47.7

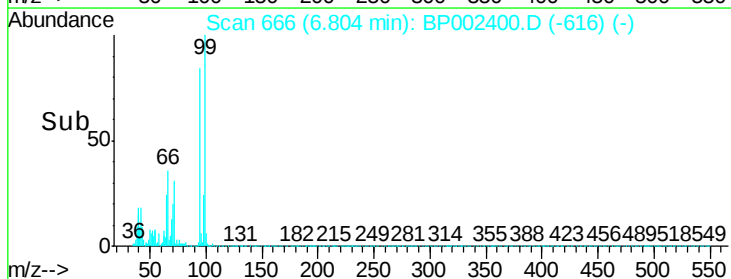
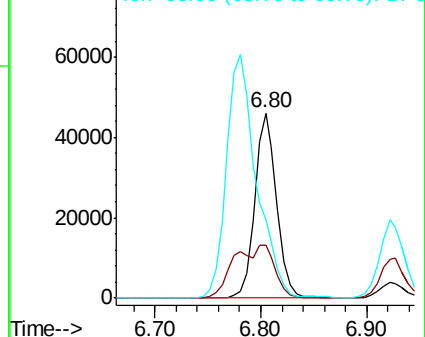
66 42.6 16.9 56.9

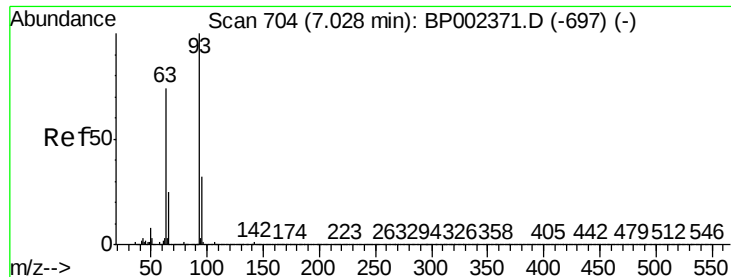


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

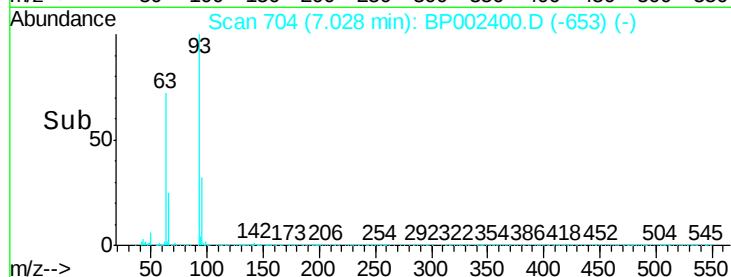
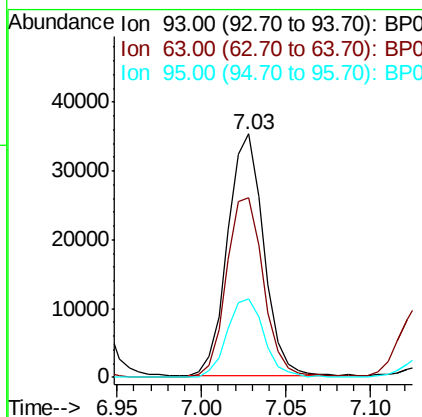
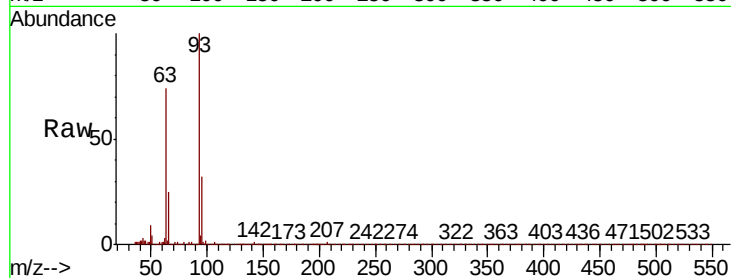




#11
bis(2-Chloroethyl)ether
Concen: 5.083 ng
RT: 7.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

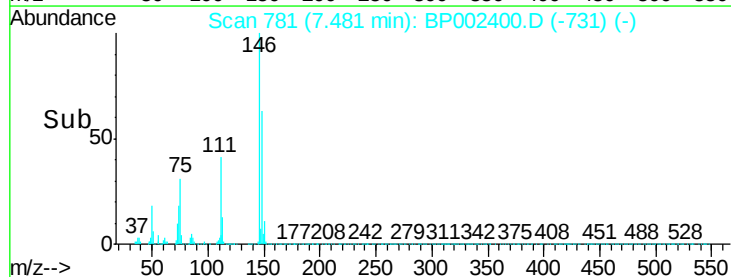
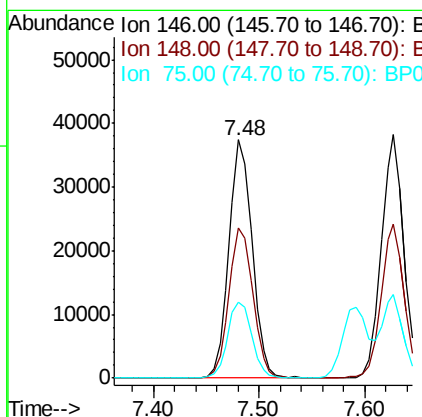
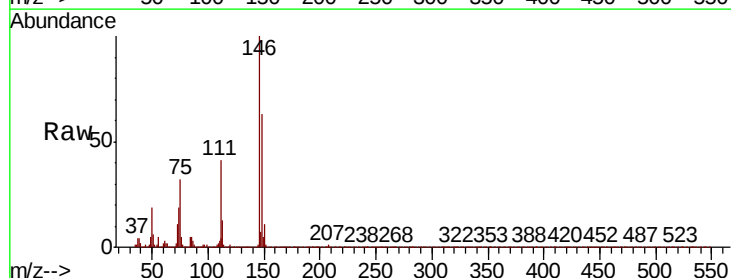
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

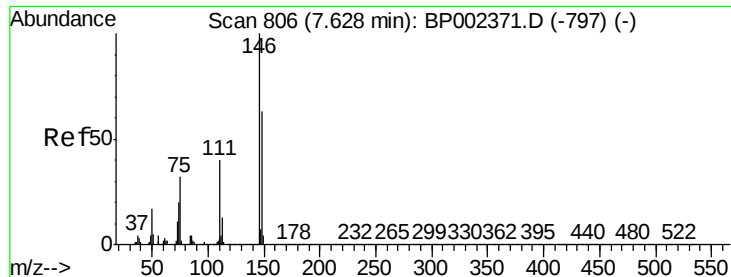
Tot Ion: 93 Resp: 52212
Ion Ratio Lower Upper
93 100
63 73.9 54.2 94.2
95 32.5 11.8 51.8



#12
1,3-Dichlorobenzene
Concen: 5.154 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion: 146 Resp: 56853
Ion Ratio Lower Upper
146 100
148 63.2 51.6 77.4
75 31.9 25.0 37.4

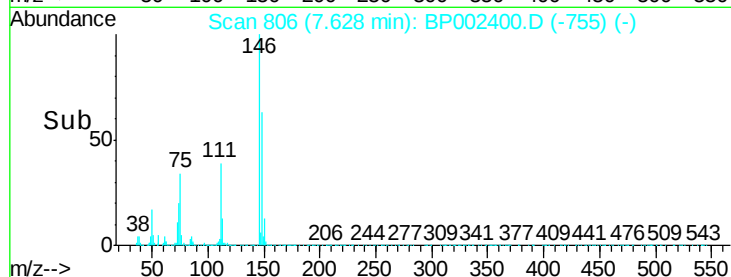
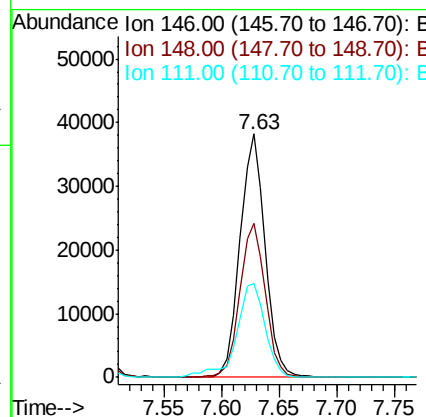
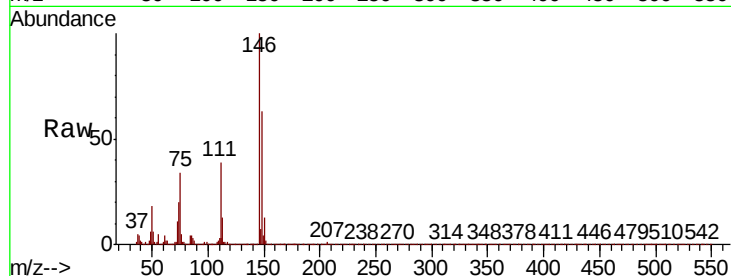




#13
 1,4-Dichlorobenzene
 Concen: 5.161 ng
 RT: 7.63 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

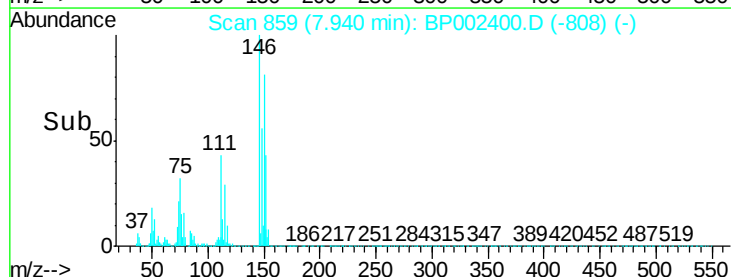
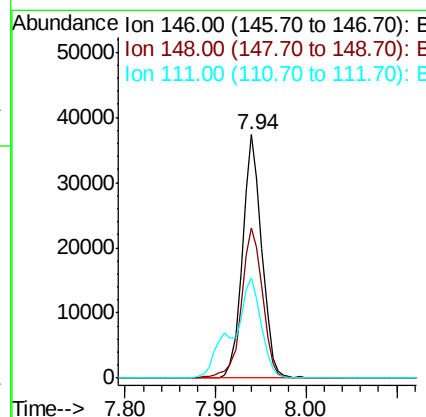
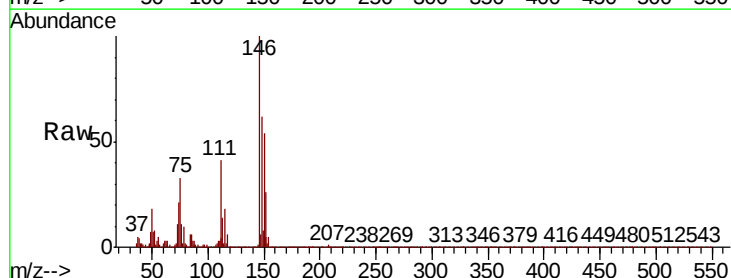
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

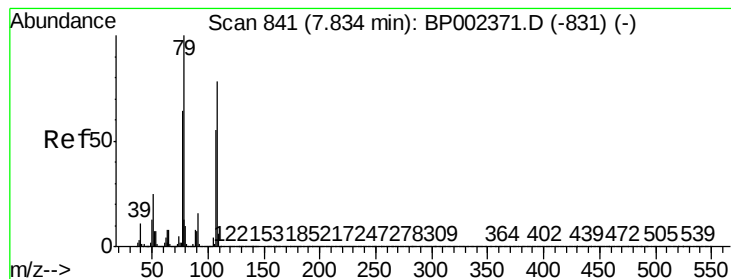
Tot Ion:146 Resp: 57282
 Ion Ratio Lower Upper
 146 100
 148 63.5 50.7 76.1
 111 38.6 32.2 48.2



#14
 1,2-Dichlorobenzene
 Concen: 5.204 ng
 RT: 7.94 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

Tgt Ion:146 Resp: 55327
 Ion Ratio Lower Upper
 146 100
 148 61.6 51.8 77.6
 111 41.3 35.4 53.2





#15

Benzyl Alcohol

Concen: 4.433 ng

RT: 7.83 min Scan# 841

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

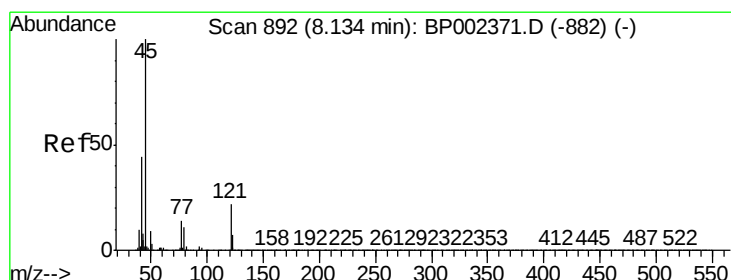
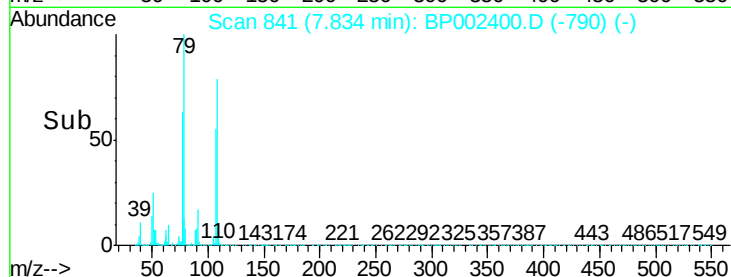
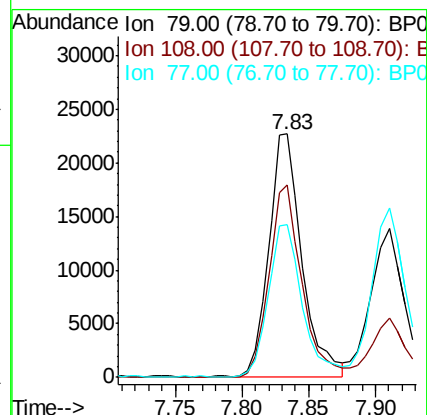
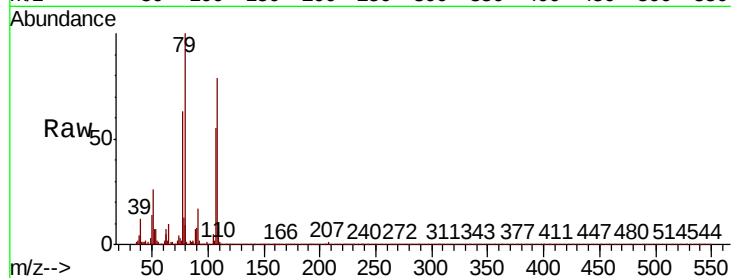
Tot Ion: 79 Resp: 38972

Ion Ratio Lower Upper

79 100

108 79.1 62.6 94.0

77 62.8 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 5.038 ng

RT: 8.13 min Scan# 892

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

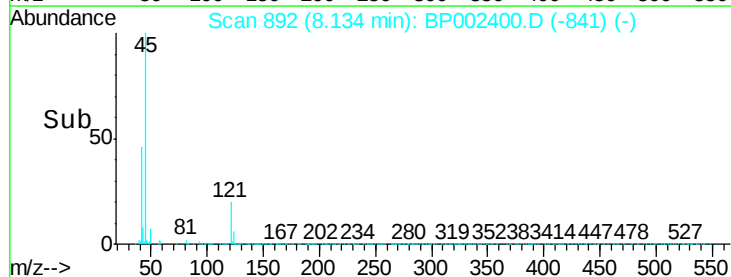
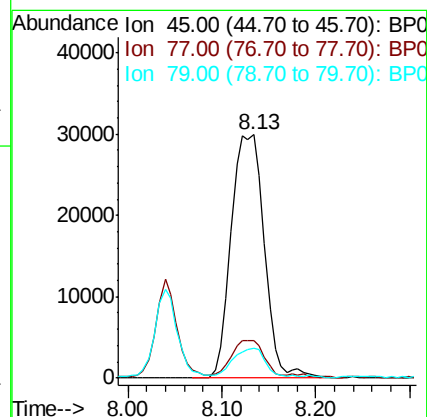
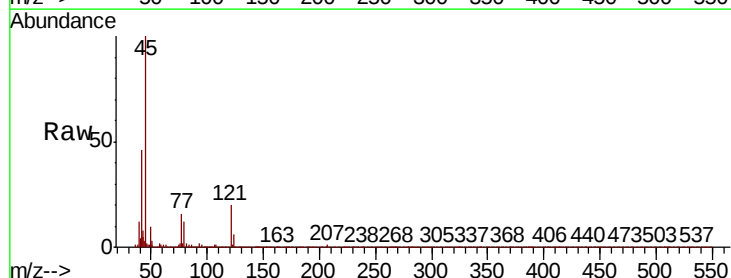
Tgt Ion: 45 Resp: 73417

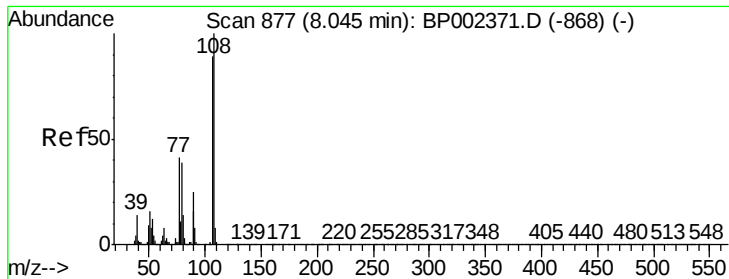
Ion Ratio Lower Upper

45 100

77 15.6 0.0 35.0

79 12.1 0.0 32.0





#17

2-Methylphenol

Concen: 4.401 ng

RT: 8.04 min Scan# 876

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:107 Resp: 39559

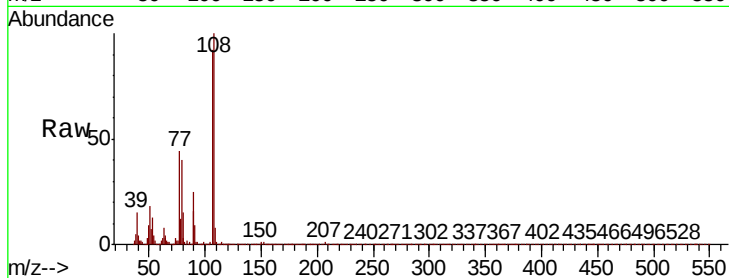
Ion Ratio Lower Upper

107 100

108 108.9 90.3 135.5

77 48.2 37.1 55.7

79 43.2 35.8 53.6

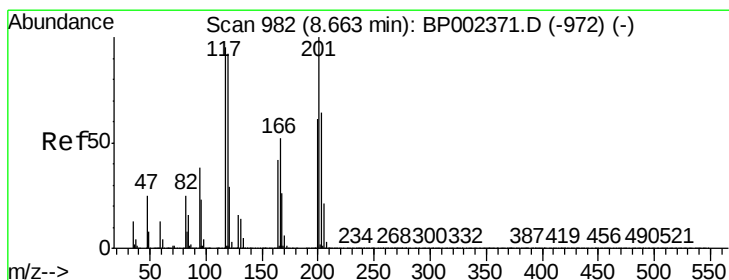
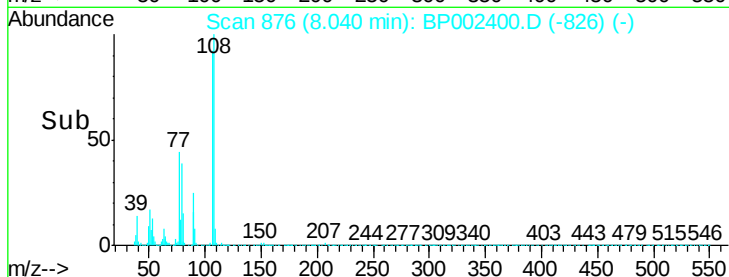
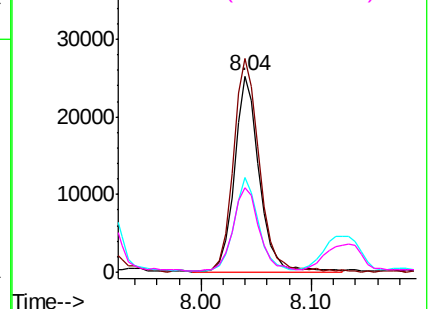


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#18

Hexachloroethane

Concen: 4.824 ng

RT: 8.66 min Scan# 982

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

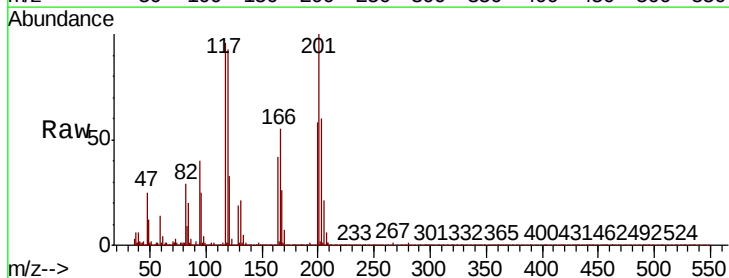
Tgt Ion:117 Resp: 19504

Ion Ratio Lower Upper

117 100

119 96.8 77.8 116.8

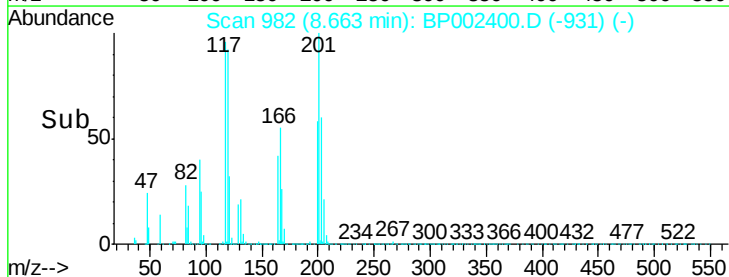
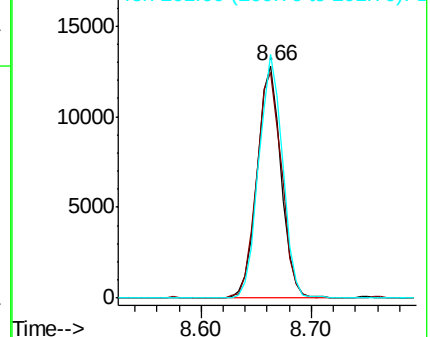
201 104.7 84.2 126.4

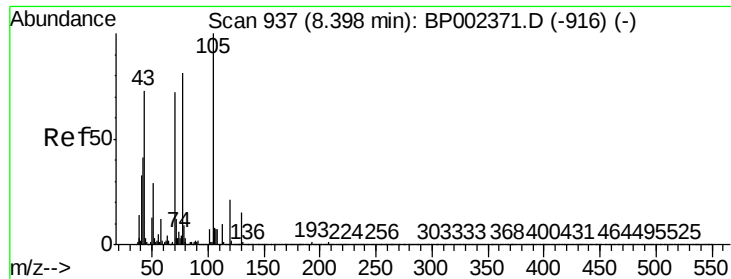


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

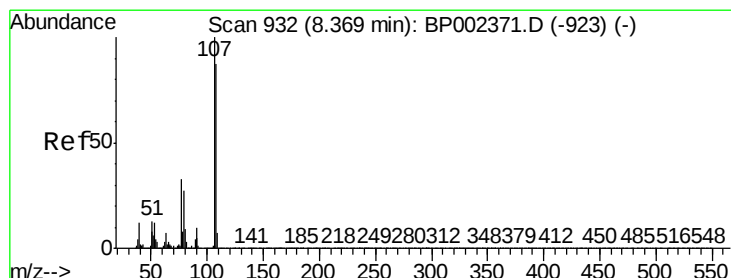
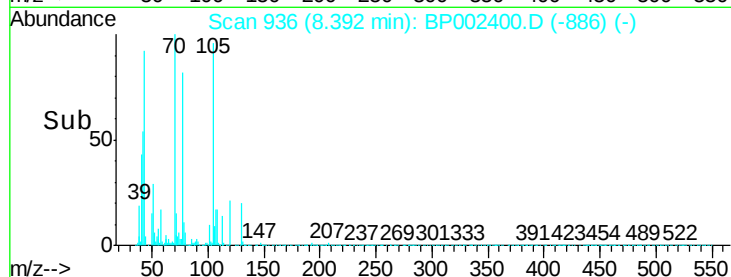
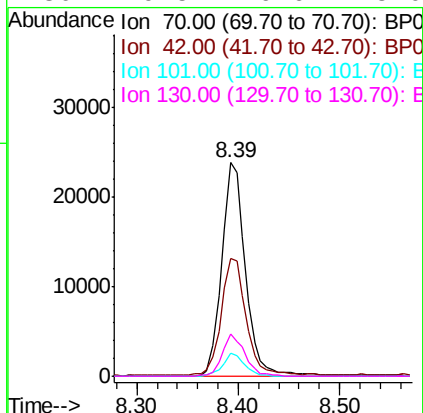
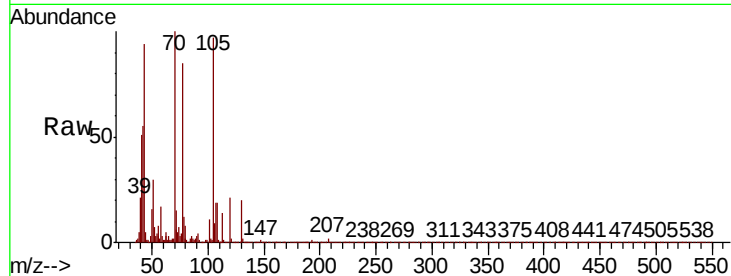




#19
n-Nitroso-di-n-propylamine
Concen: 5.072 ng
RT: 8.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

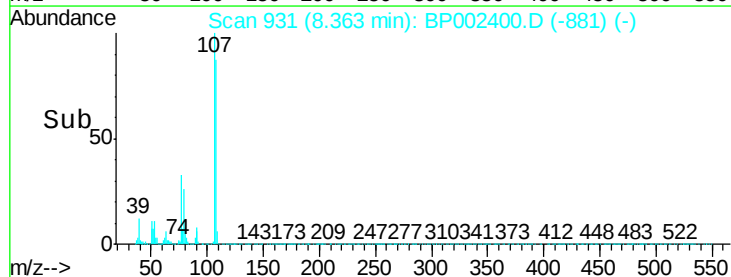
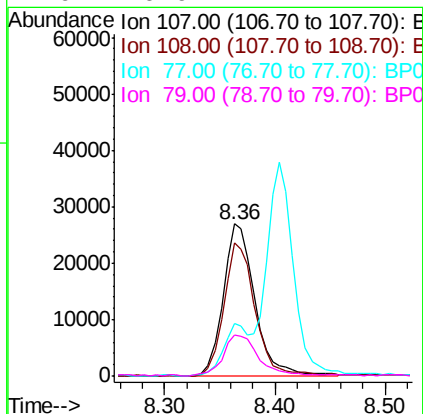
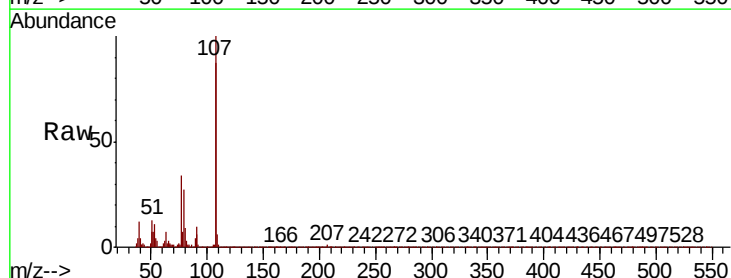
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

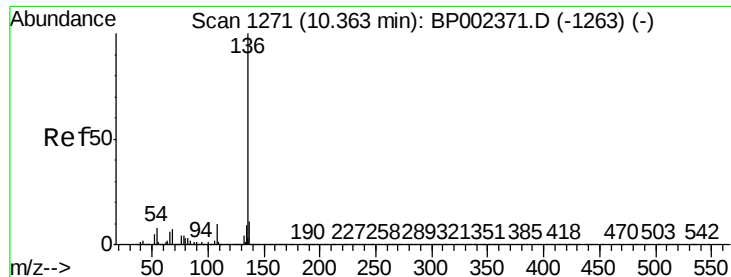
Tot Ion:	70	Resp:	38456
Ion	Ratio	Lower	Upper
70	100		
42	55.0	45.7	68.5
101	10.6	7.5	11.3
130	19.5	16.6	25.0



#20
3+4-Methylphenols
Concen: 4.383 ng
RT: 8.36 min Scan# 931
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion:	107	Resp:	53172
Ion	Ratio	Lower	Upper
107	100		
108	87.5	67.5	107.5
77	34.5	13.5	53.5
79	26.9	7.4	47.4

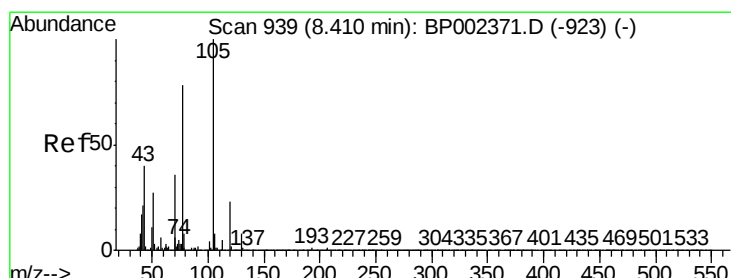
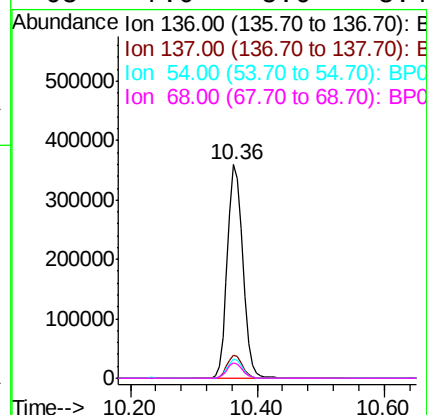
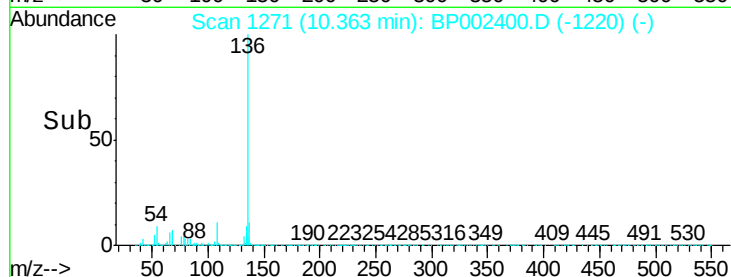
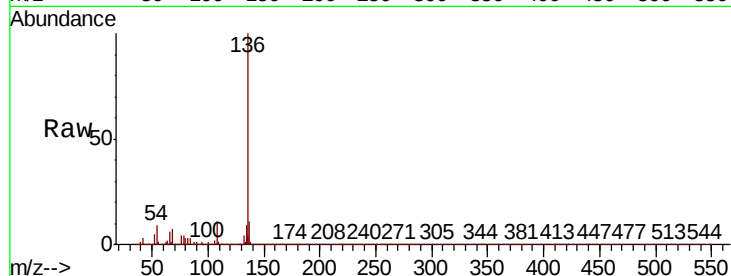




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

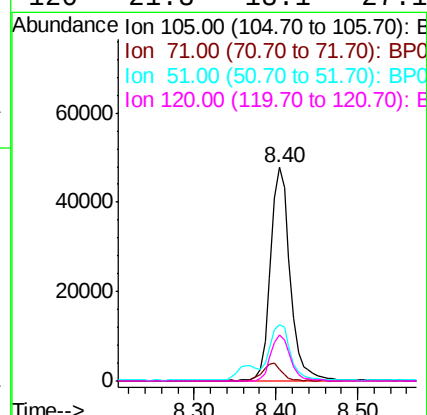
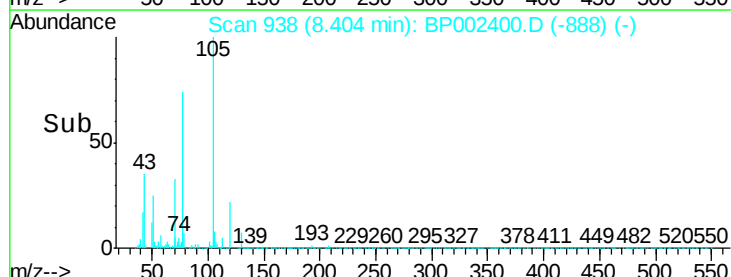
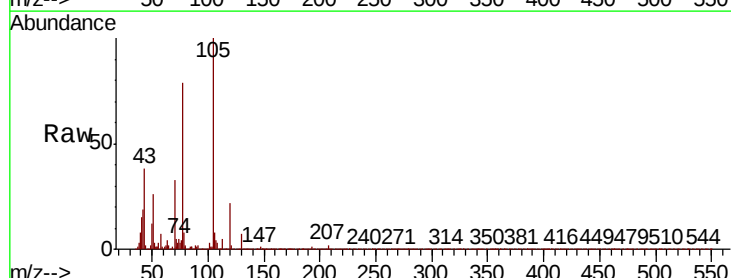
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

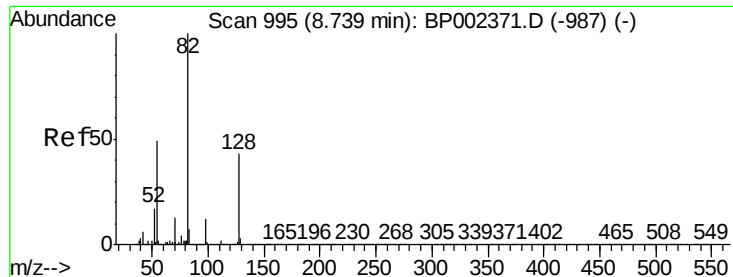
Tot Ion:136	Resp: 610152
Ion Ratio	Lower Upper
136 100	
137 10.6	8.8 13.2
54 8.9	6.4 9.6
68 7.0	5.6 8.4



#22
Acetophenone
Concen: 5.851 ng
RT: 8.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt	Ion:105	Resp:	80208
Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.7	7.1
51	26.4	21.4	32.0
120	21.8	18.1	27.1

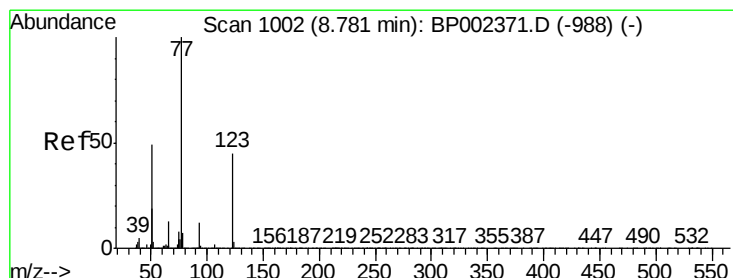
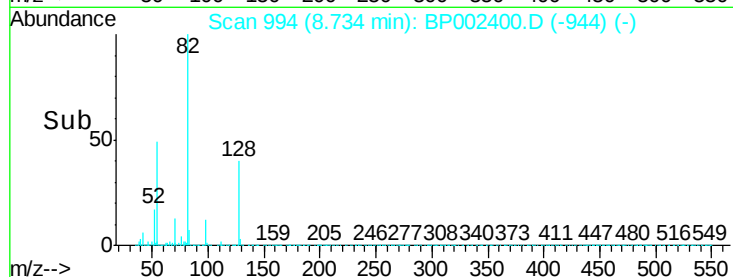
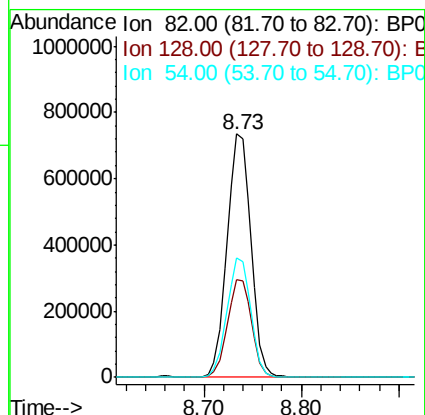
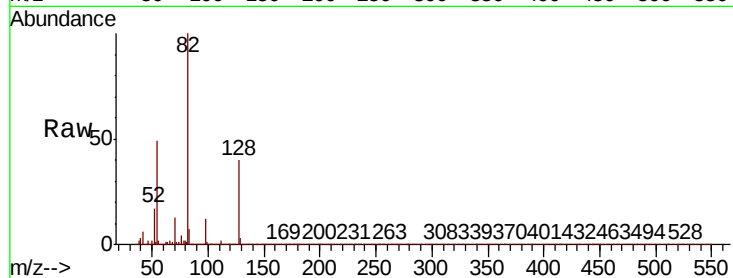




#23
Nitrobenzene-d5
Concen: 122.189 ng
RT: 8.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

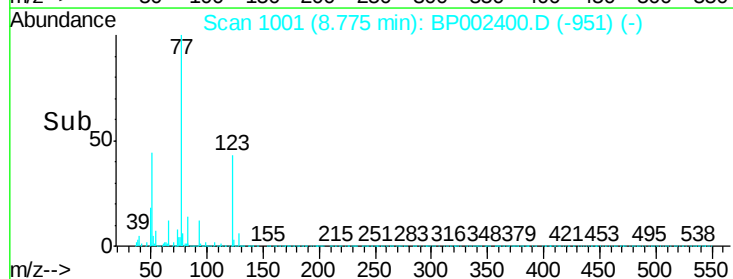
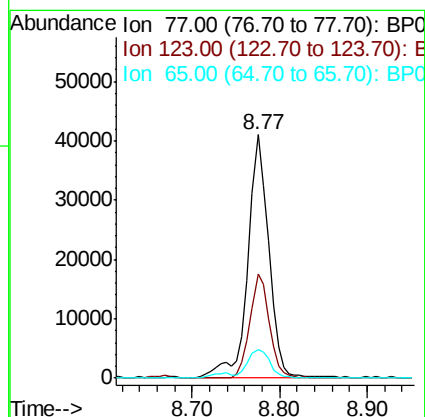
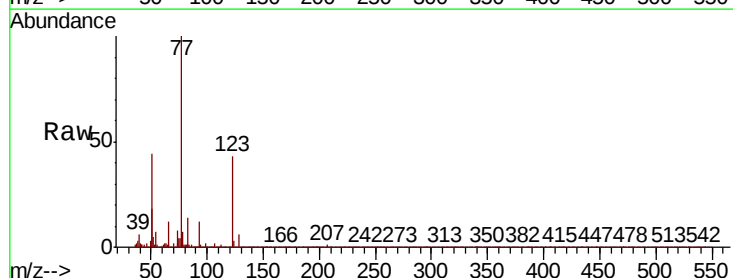
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

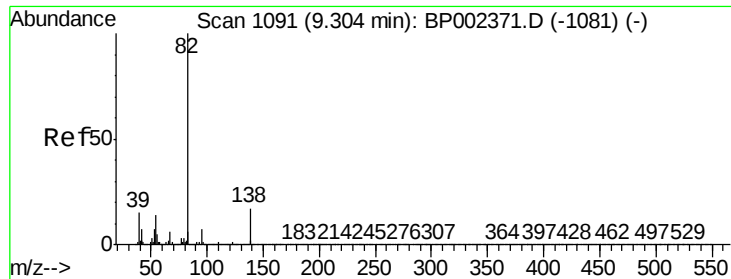
Tot Ion: 82 Resp: 1248408
Ion Ratio Lower Upper
82 100
128 40.1 34.5 51.7
54 49.2 39.4 59.2



#24
Nitrobenzene
Concen: 5.943 ng
RT: 8.77 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion: 77 Resp: 65267
Ion Ratio Lower Upper
77 100
123 42.7 35.8 53.8
65 12.0 10.5 15.7

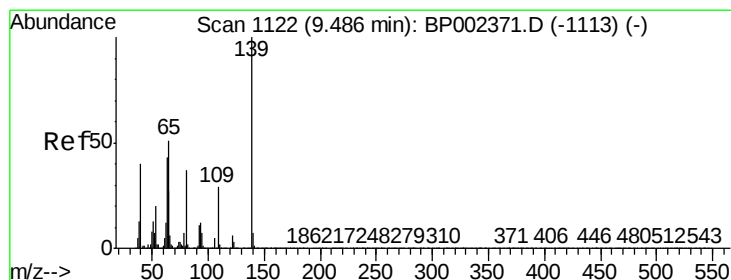
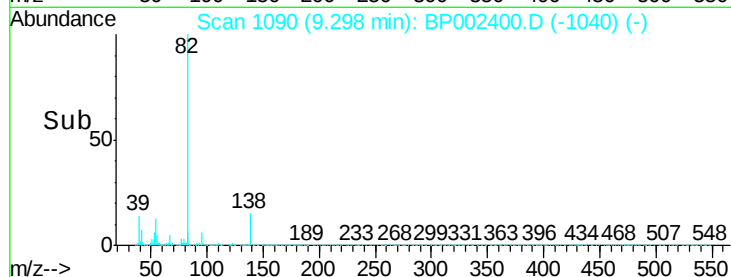
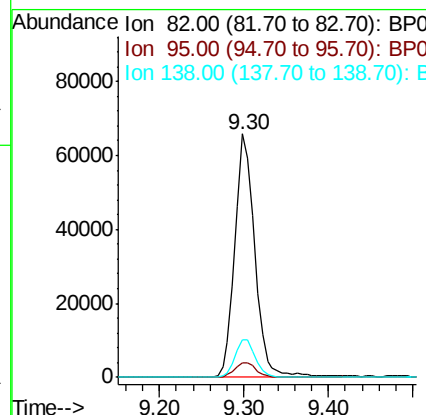
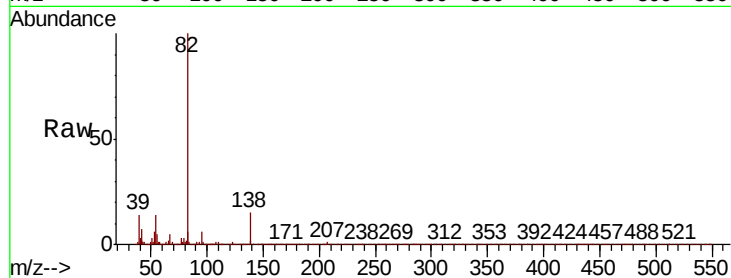




#25
Isophorone
Concen: 5.128 ng
RT: 9.30 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

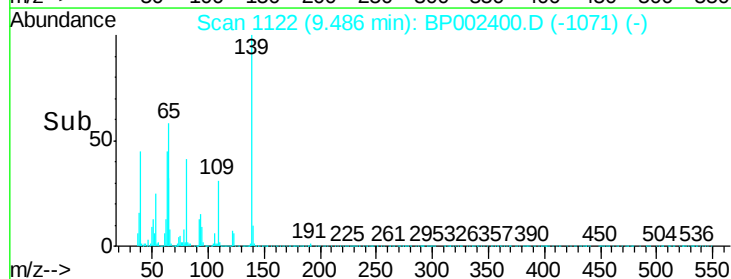
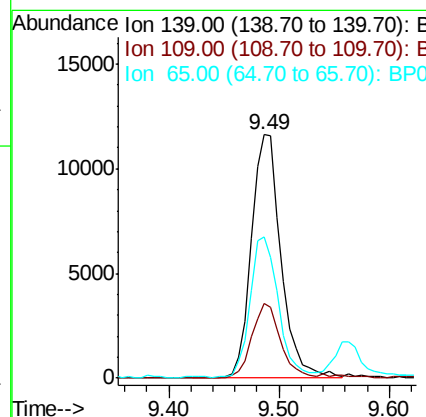
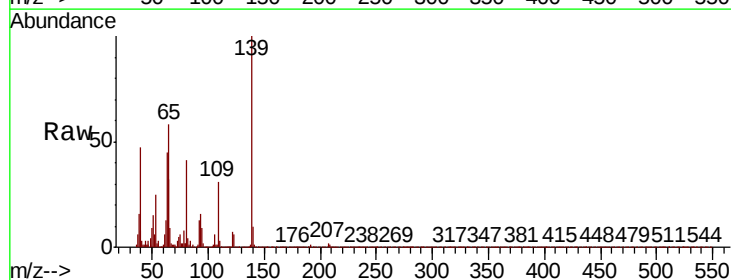
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

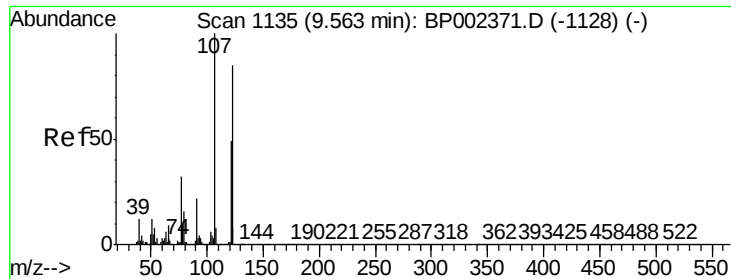
Tot Ion: 82 Resp: 106703
Ion Ratio Lower Upper
82 100
95 6.0 5.4 8.2
138 15.3 13.4 20.0



#26
2-Nitrophenol
Concen: 4.491 ng
RT: 9.49 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion: 139 Resp: 21978
Ion Ratio Lower Upper
139 100
109 30.7 23.4 35.2
65 58.1 41.1 61.7

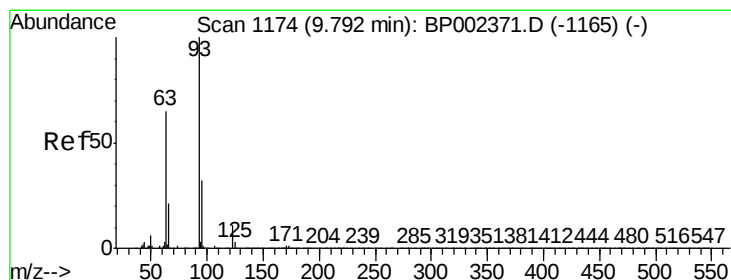
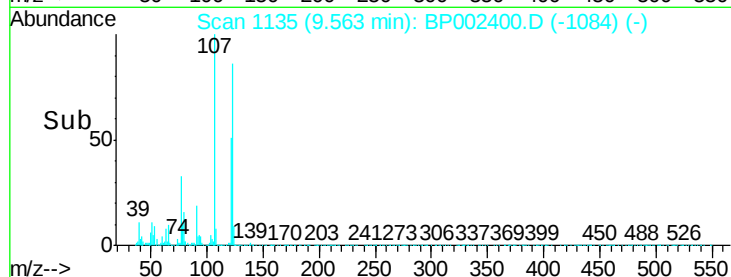
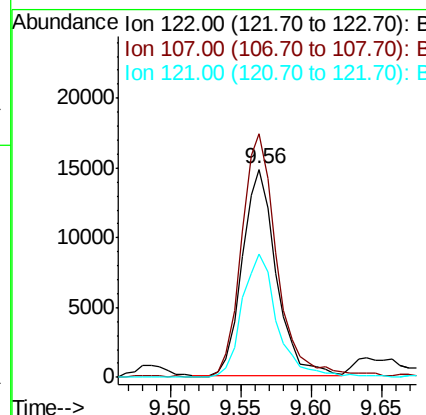
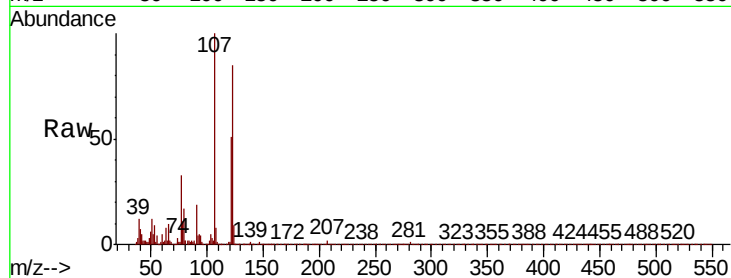




#27
2,4-Dimethylphenol
Concen: 3.264 ng
RT: 9.56 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

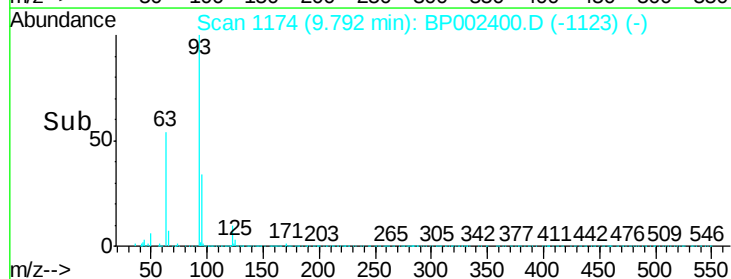
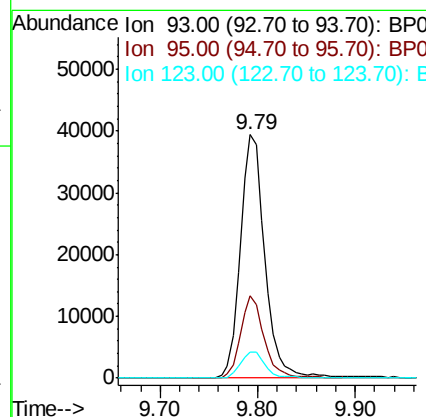
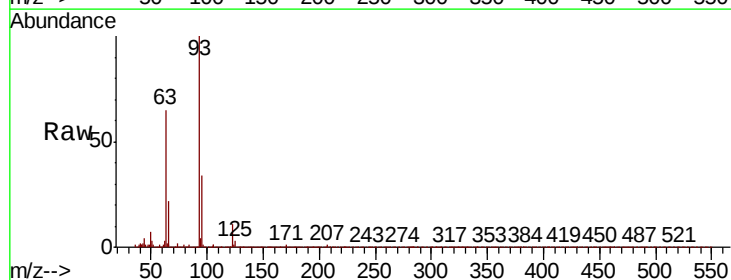
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

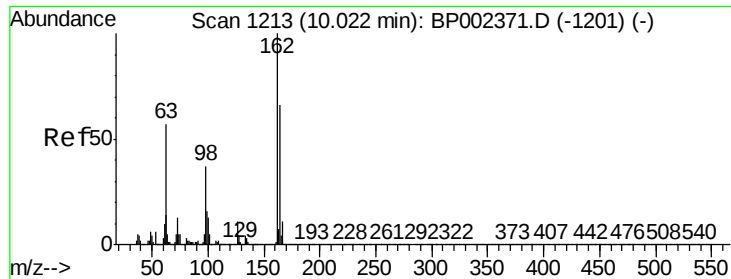
Tot Ion	Ratio	Lower	Upper
122	100		
107	117.0	94.0	141.0
121	59.4	46.4	69.6



#28
bis(2-Chloroethoxy)methane
Concen: 5.523 ng
RT: 9.79 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.7	25.8	38.8
123	10.6	8.7	13.1

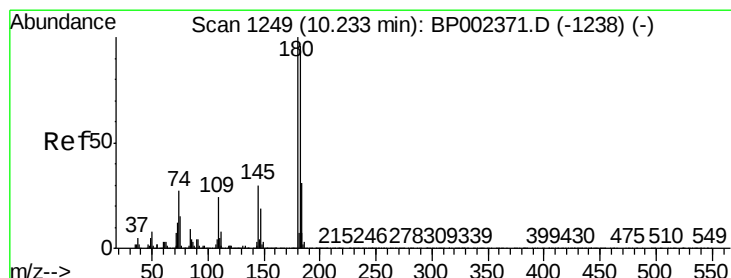
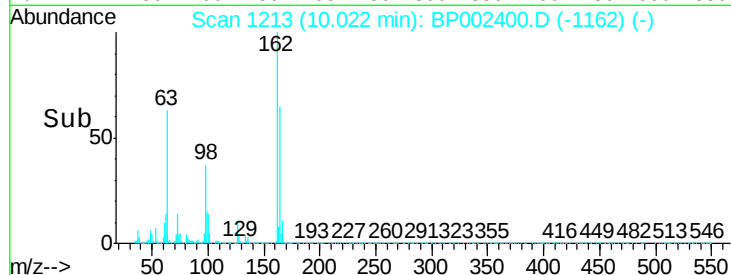
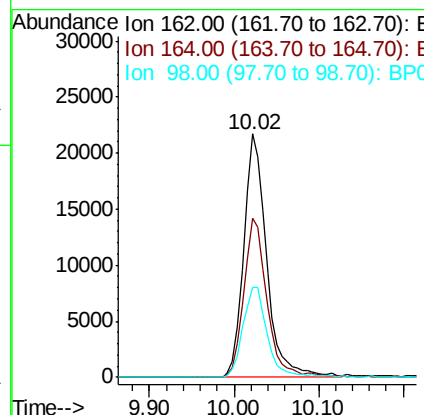
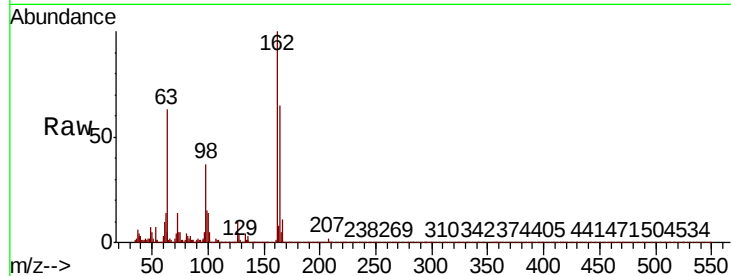




#29
2,4-Dichlorophenol
Concen: 4.677 ng
RT: 10.02 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

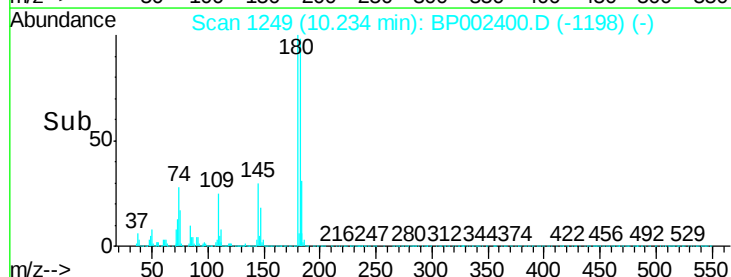
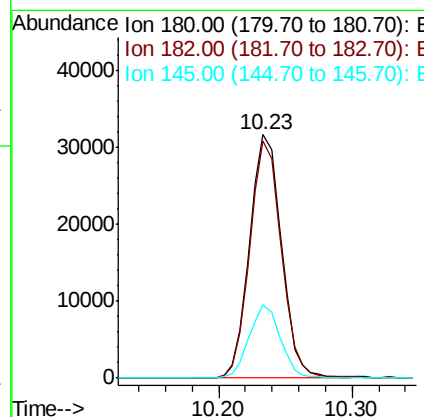
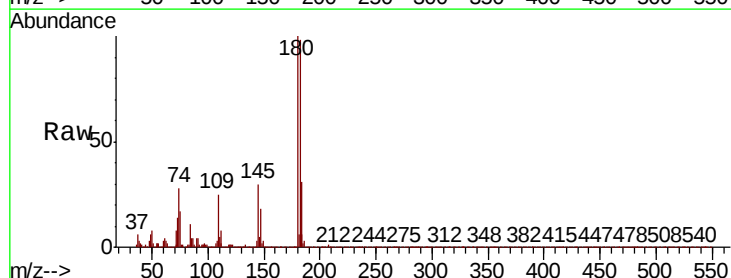
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.5	85.5
98	37.0	16.6	56.6



#30
1,2,4-Trichlorobenzene
Concen: 5.415 ng
RT: 10.23 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.1	115.7
145	29.9	23.8	35.6

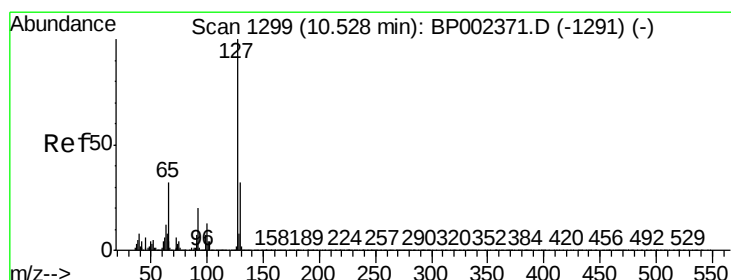
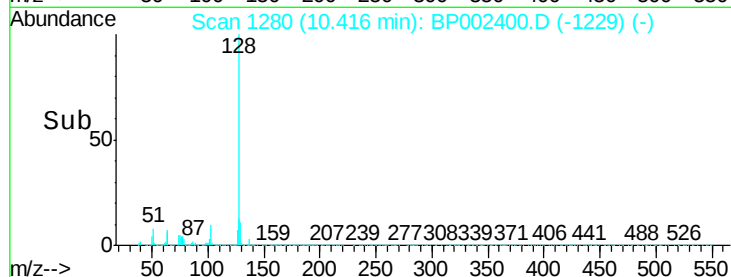
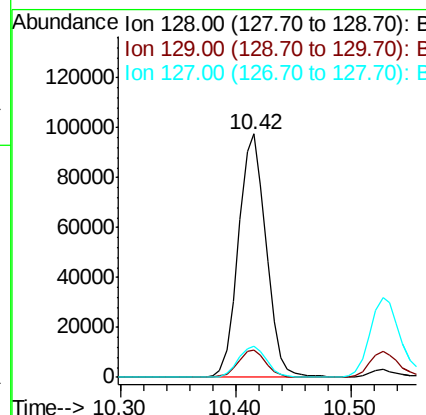
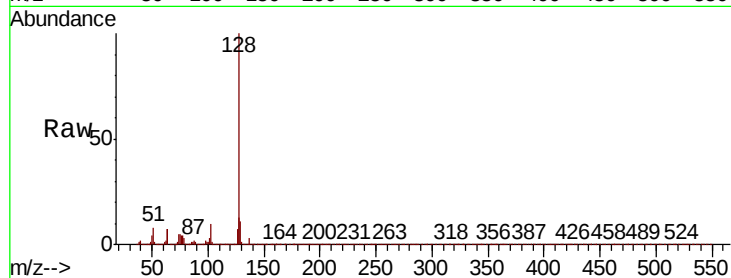




#31
Naphthalene
Concen: 5.698 ng
RT: 10.42 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

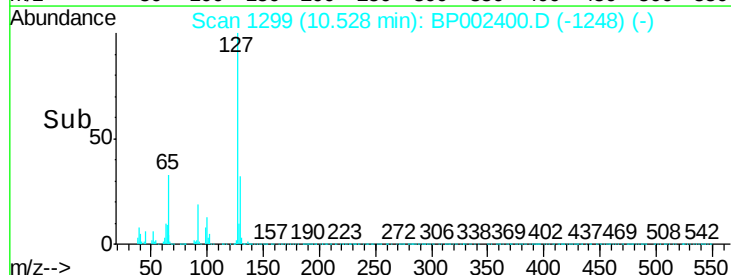
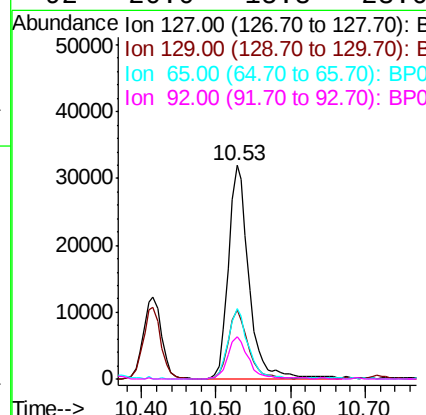
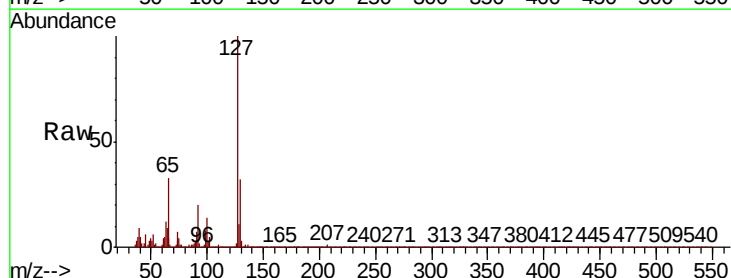
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

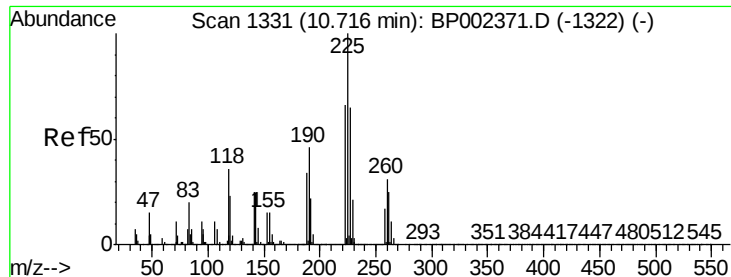
Tot	Ion:128	Resp:	161511
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.6	10.3	15.5



#33
4-Chloroaniline
Concen: 4.974 ng
RT: 10.53 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt	Ion:127	Resp:	61555
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2
65	33.1	25.3	37.9
92	20.0	15.8	23.6





#34

Hexachlorobutadiene

Concen: 4.957 ng

RT: 10.72 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

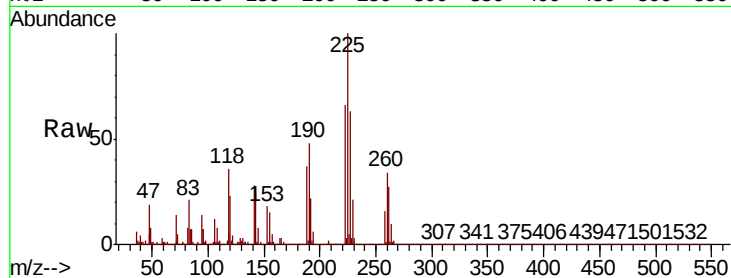
Tot Ion:225 Resp: 27869

Ion Ratio Lower Upper

225 100

223 66.4 52.6 78.8

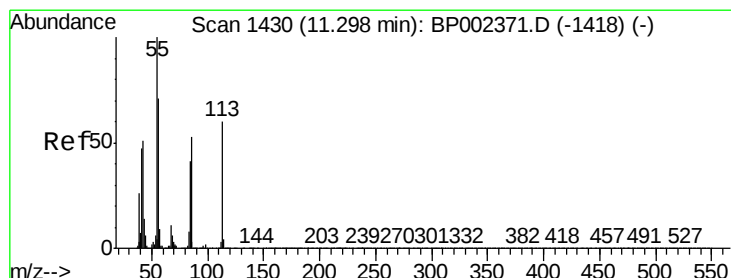
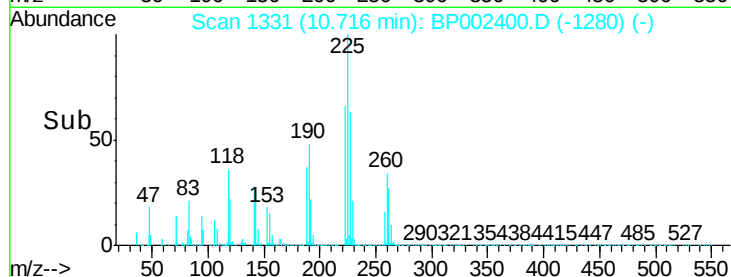
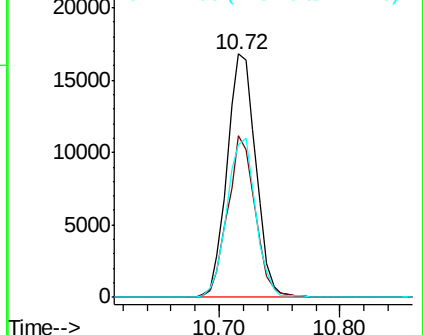
227 62.9 52.2 78.2



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 3.995 ng

RT: 11.26 min Scan# 1424

Delta R.T. -0.04 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

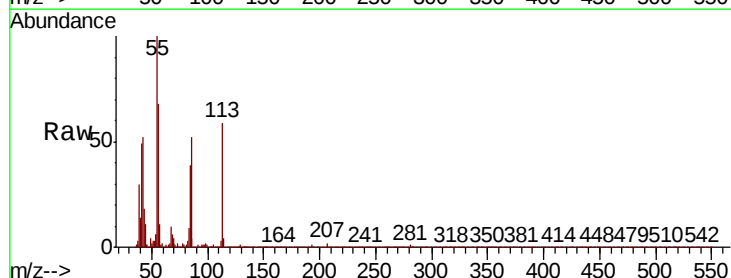
Tgt Ion:113 Resp: 12177

Ion Ratio Lower Upper

113 100

55 168.8 147.9 187.9

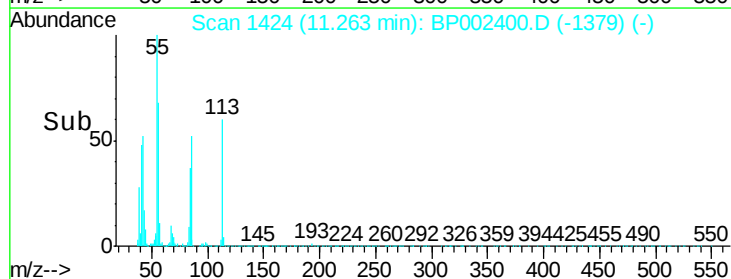
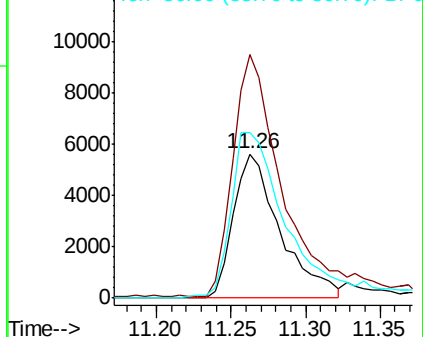
56 114.7 99.9 139.9

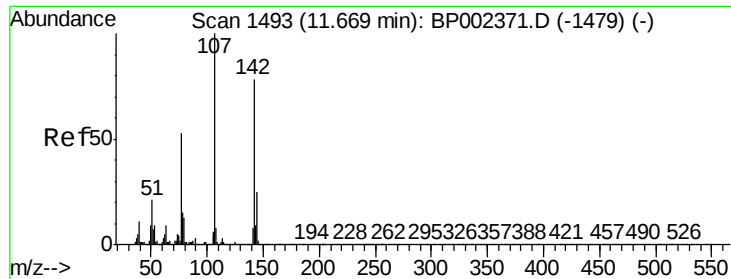


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BP0

Ion 56.00 (55.70 to 56.70): BP0

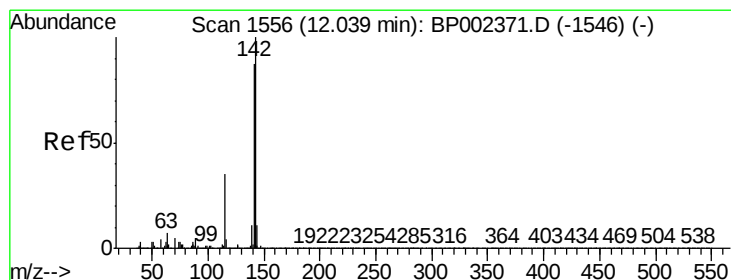
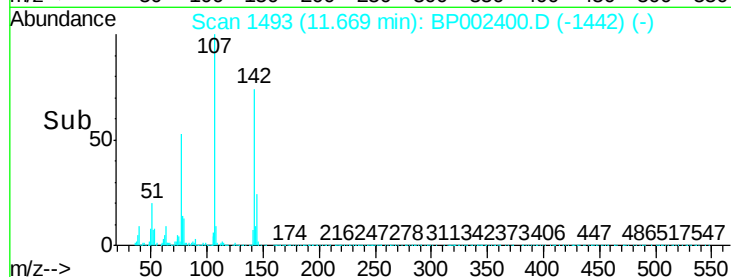
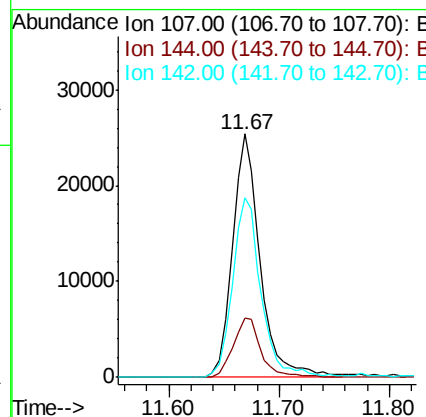
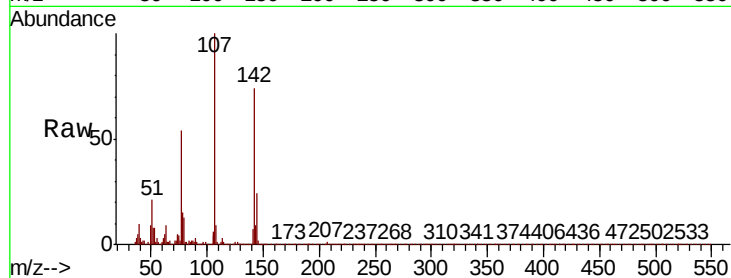




#36
 4-Chloro-3-methylphenol
 Concen: 4.751 ng
 RT: 11.67 min Scan# 1493
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

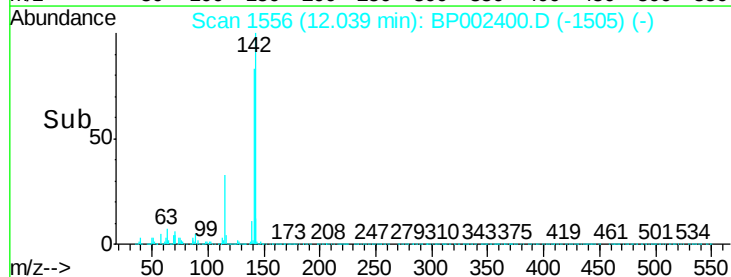
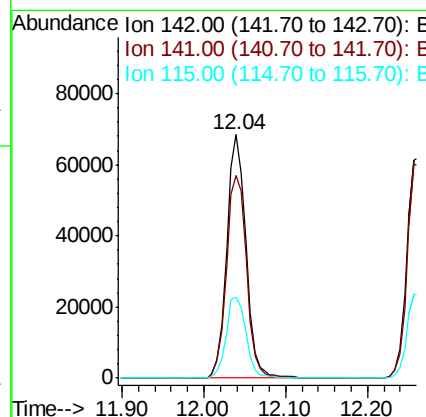
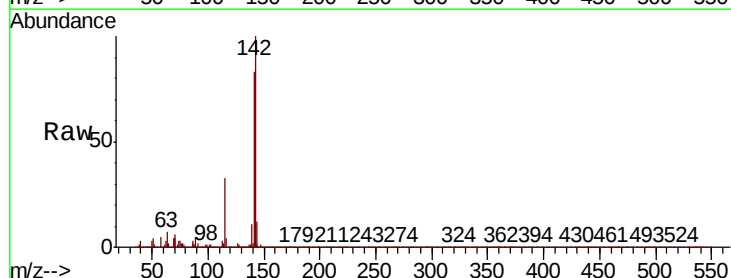
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

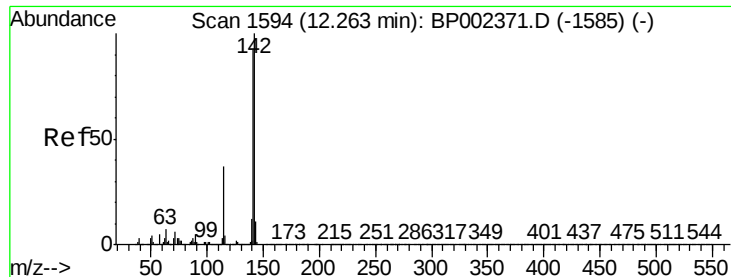
Tot Ion:107 Resp: 44425
 Ion Ratio Lower Upper
 107 100
 144 24.1 20.4 30.6
 142 73.9 62.2 93.4



#37
 2-Methylnaphthalene
 Concen: 5.554 ng
 RT: 12.04 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

Tgt Ion:142 Resp: 111753
 Ion Ratio Lower Upper
 142 100
 141 83.2 69.7 104.5
 115 33.4 27.8 41.8

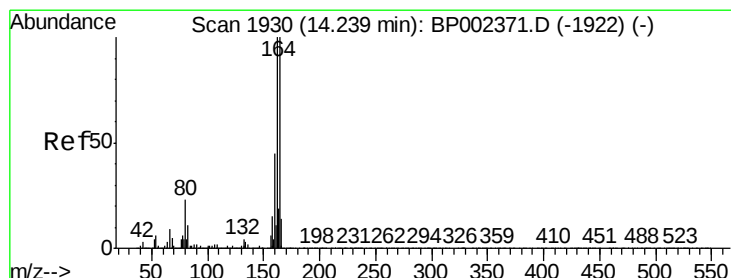
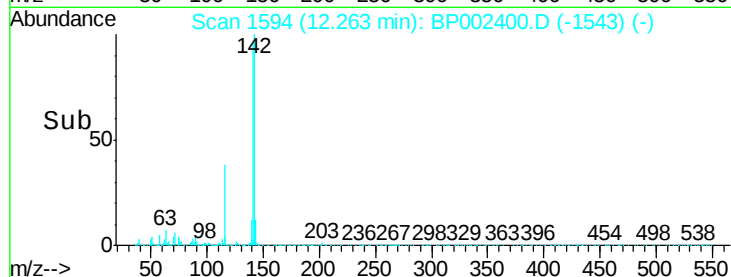
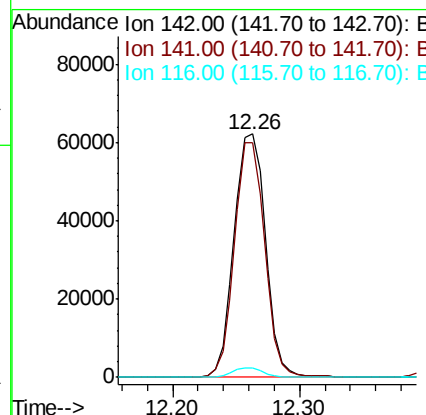
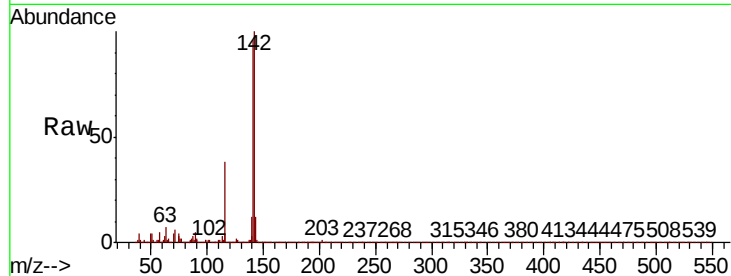




#38
1-Methylnaphthalene
Concen: 5.635 ng
RT: 12.26 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

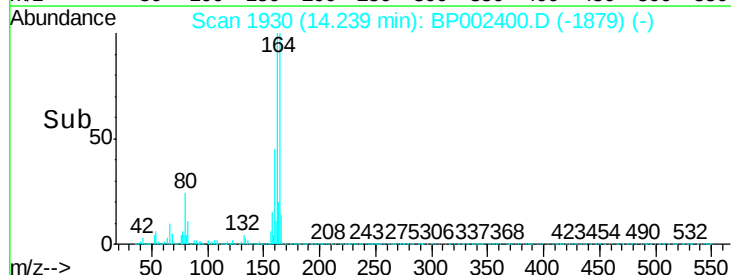
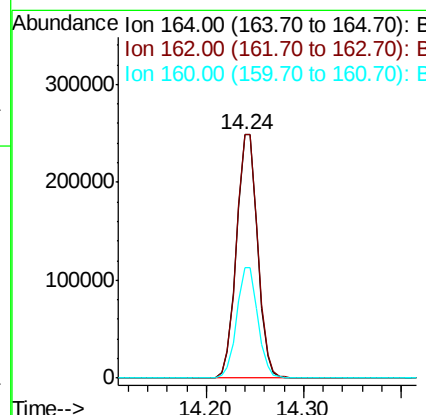
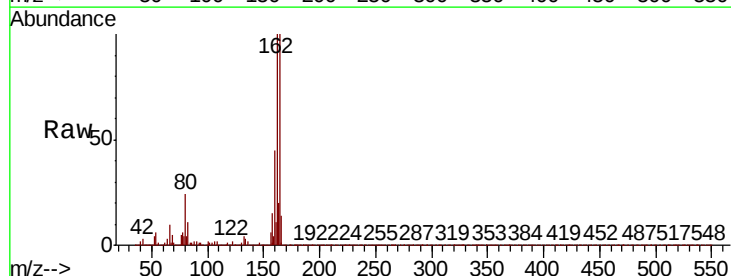
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

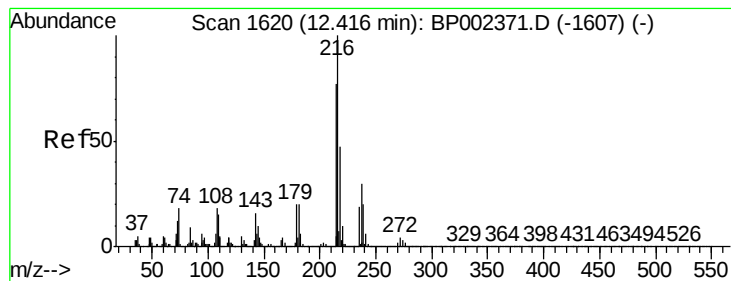
Tot Ion:142 Resp: 106413
Ion Ratio Lower Upper
142 100
141 96.4 73.6 110.4
116 3.9 3.1 4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.24 min Scan# 1930
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion:164 Resp: 372125
Ion Ratio Lower Upper
164 100
162 100.0 79.8 119.8
160 45.2 36.2 54.2





#40

1,2,4,5-Tetrachlorobenzene

Concen: 6.018 ng

RT: 12.42 min Scan# 1621

Delta R.T. 0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:216 Resp: 59031

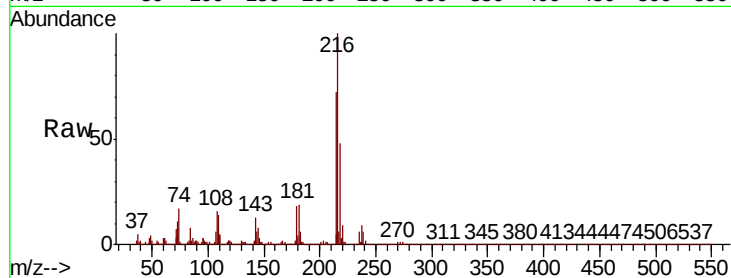
Ion Ratio Lower Upper

216 100

214 75.5 62.6 94.0

179 20.4 16.4 24.6

108 18.8 15.5 23.3

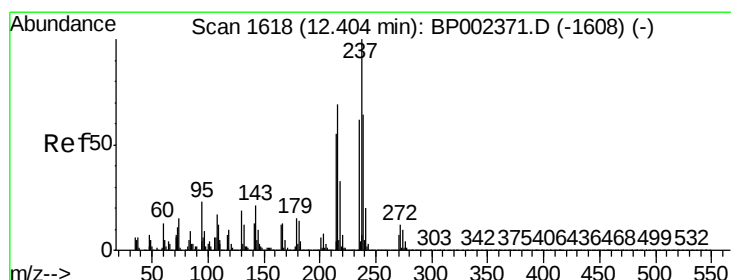
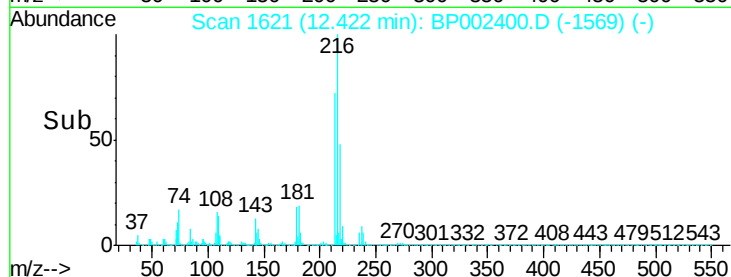
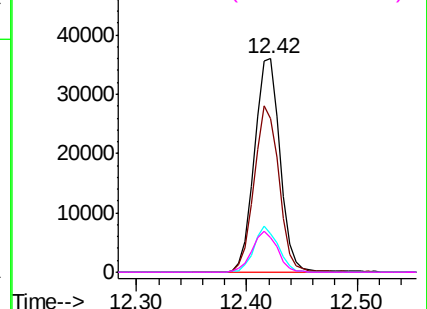


Abundance Ion 216.00 (215.70 to 216.70): E

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: 3.772 ng

RT: 12.40 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

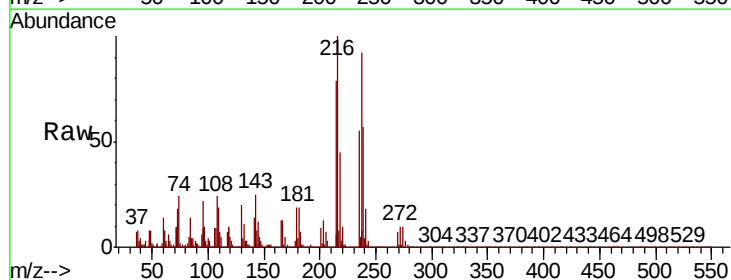
Tgt Ion:237 Resp: 19670

Ion Ratio Lower Upper

237 100

235 59.4 42.0 82.0

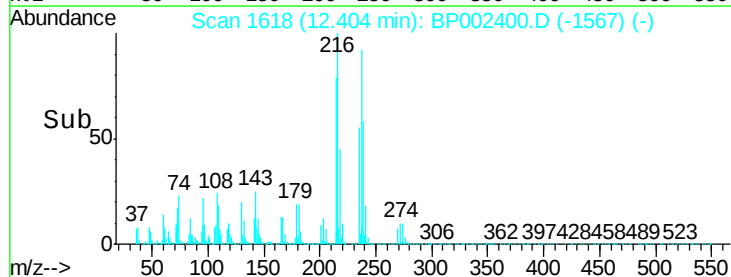
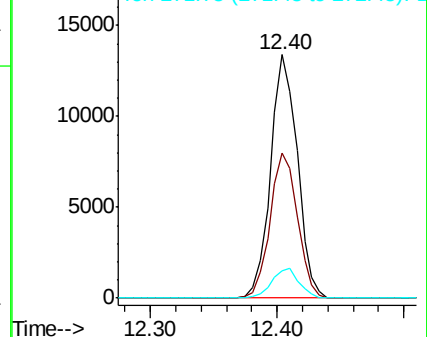
272 11.2 0.0 32.5

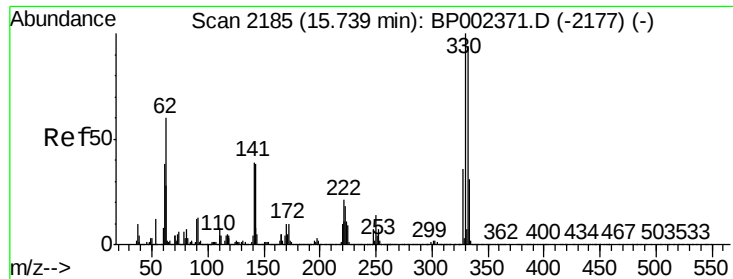


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

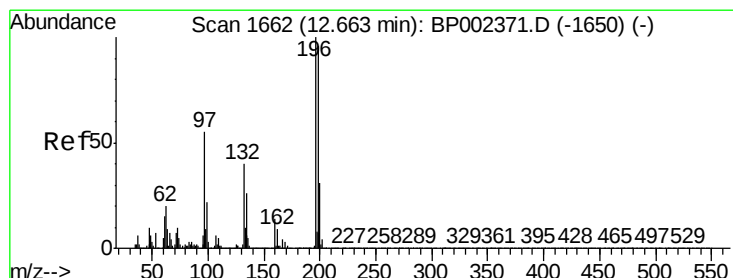
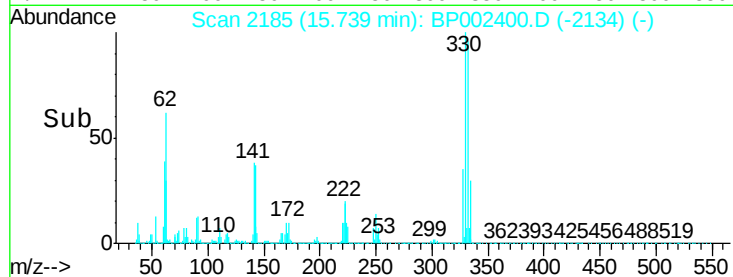
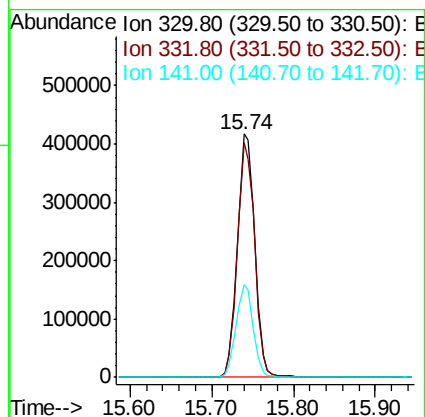
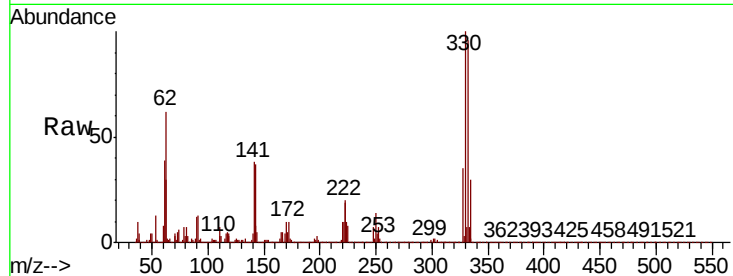




#42
 2,4,6-Tribromophenol
 Concen: 174.556 ng
 RT: 15.74 min Scan# 2185
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

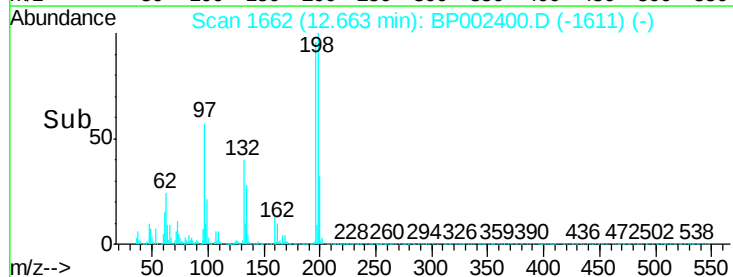
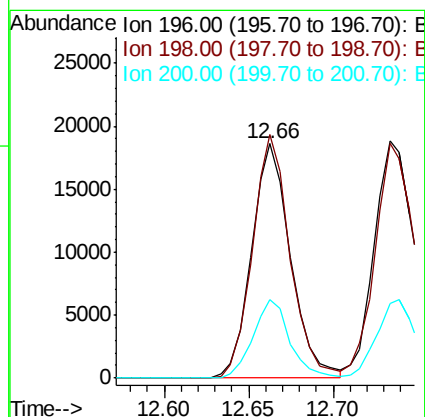
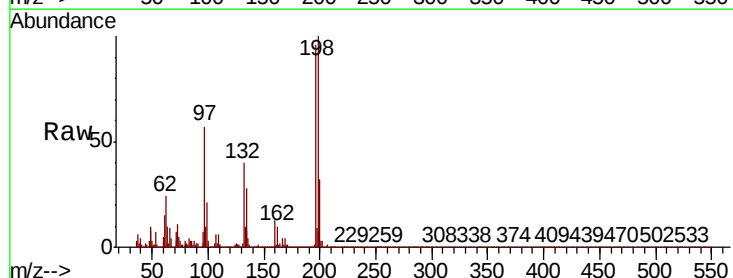
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

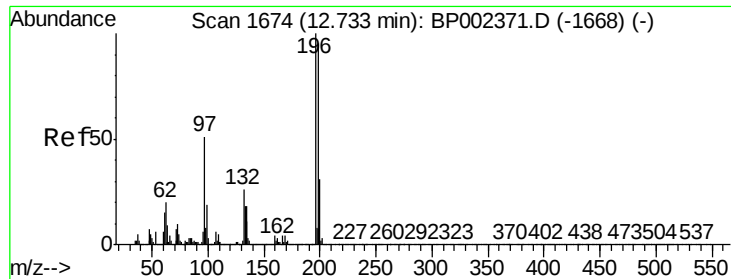
Tot Ion:330 Resp: 621913
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 37.7 30.3 45.5



#43
 2,4,6-Trichlorophenol
 Concen: 4.298 ng
 RT: 12.66 min Scan# 1662
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

Tgt Ion:196 Resp: 29836
 Ion Ratio Lower Upper
 196 100
 198 104.0 76.6 115.0
 200 33.3 24.7 37.1

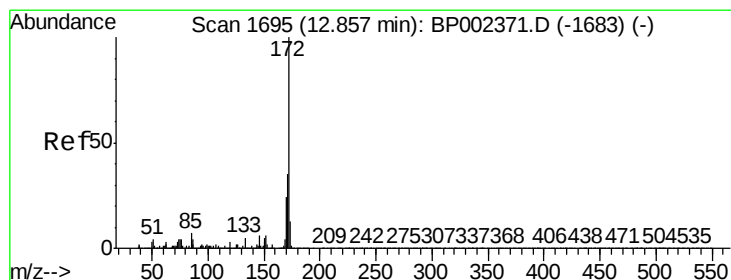
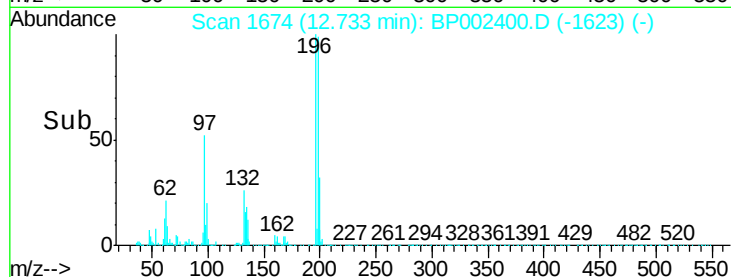
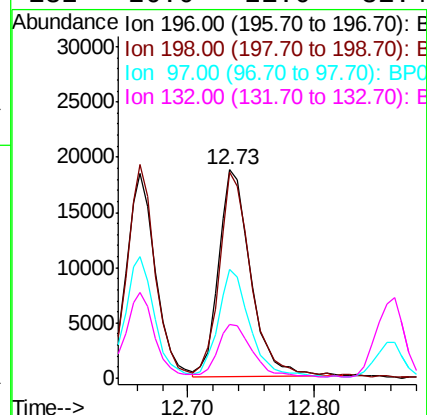
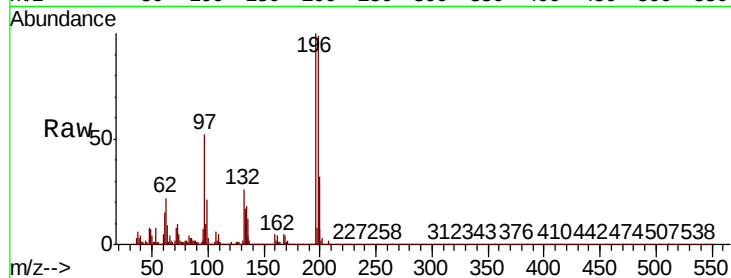




#44
 2,4,5-Trichlorophenol
 Concen: 4.120 ng
 RT: 12.73 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

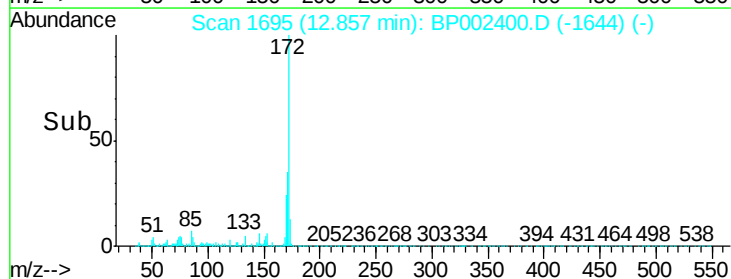
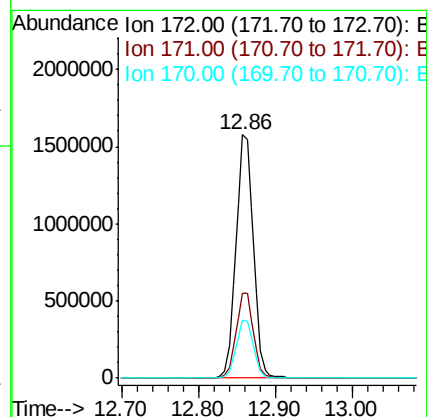
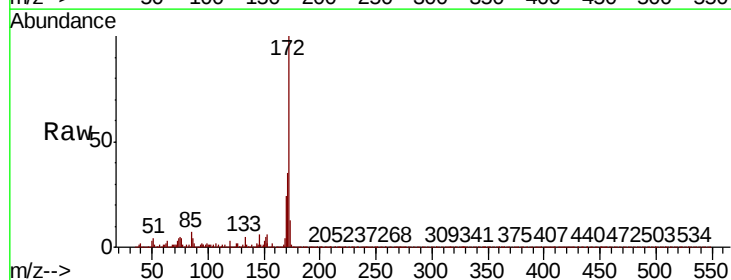
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

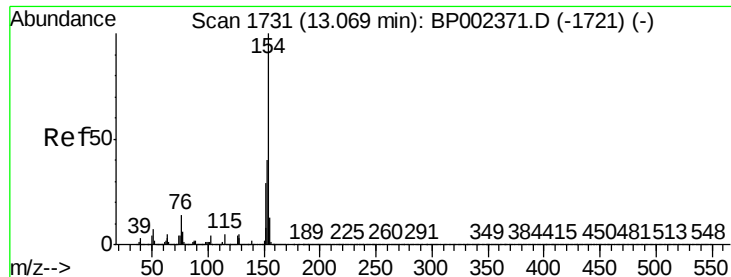
Tot Ion:196 Resp: 33123
 Ion Ratio Lower Upper
 196 100
 198 98.9 76.2 114.2
 97 52.4 40.6 61.0
 132 26.0 21.0 31.4



#45
 2-Fluorobiphenyl
 Concen: 112.936 ng
 RT: 12.86 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

Tgt Ion:172 Resp: 2499447
 Ion Ratio Lower Upper
 172 100
 171 35.1 27.8 41.8
 170 23.9 19.0 28.6

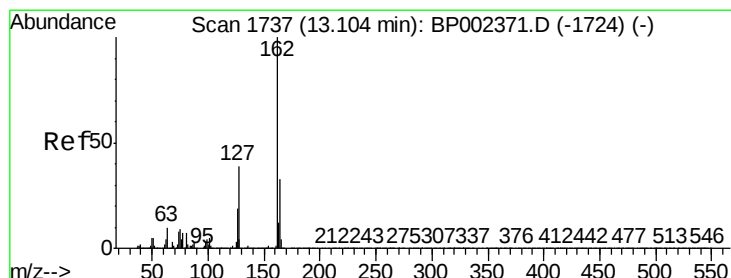
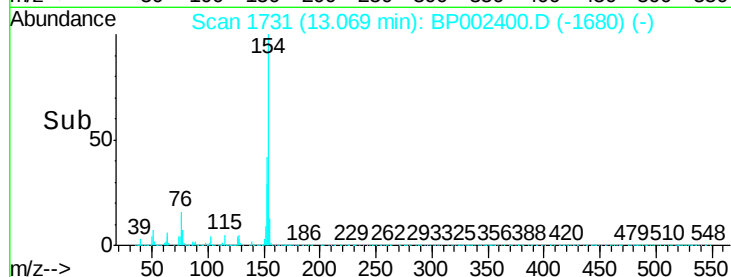
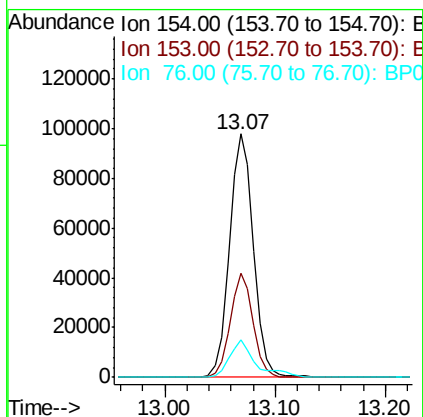
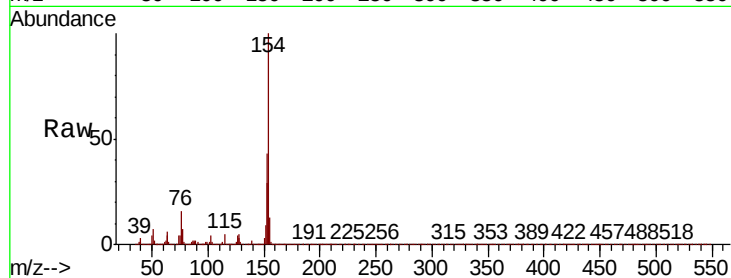




#46
1,1'-Biphenyl
Concen: 6.066 ng
RT: 13.07 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

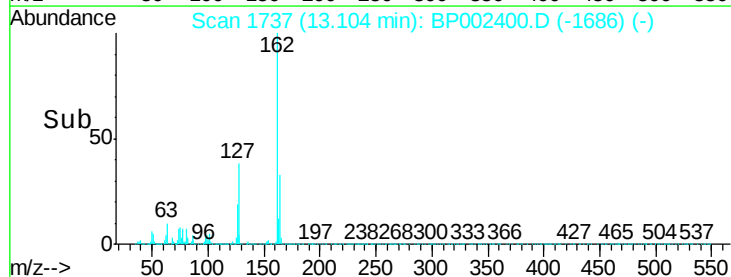
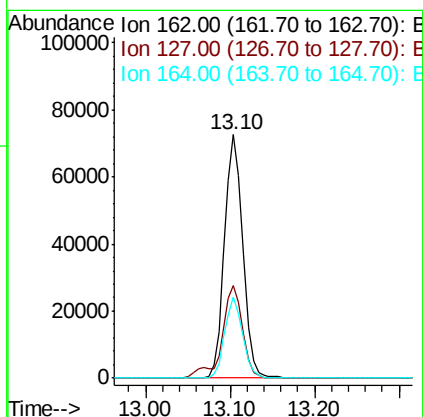
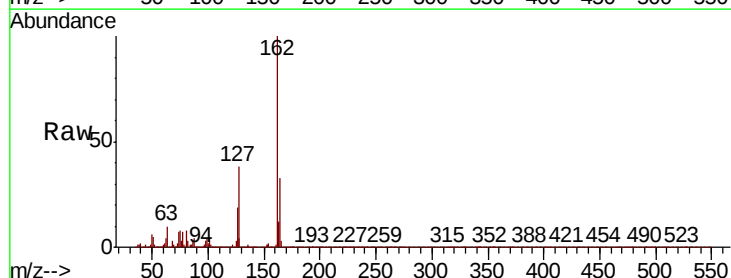
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

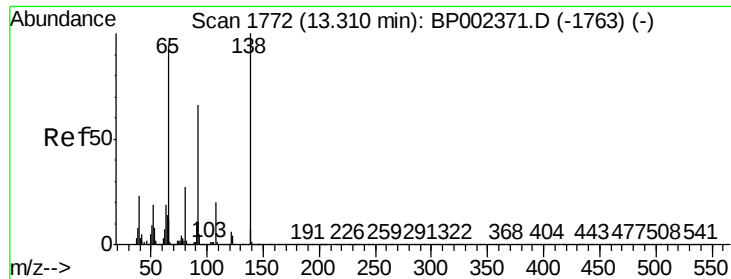
Tot Ion	Ratio	Lower	Upper
154	100		
153	42.5	20.2	60.2
76	15.5	0.0	34.2



#47
2-Chloronaphthalene
Concen: 5.457 ng
RT: 13.10 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.1	31.0	46.4
164	33.5	26.6	40.0

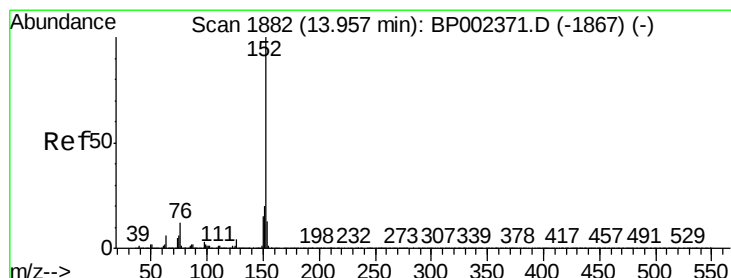
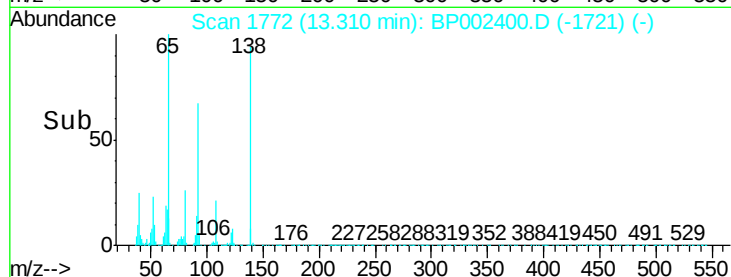
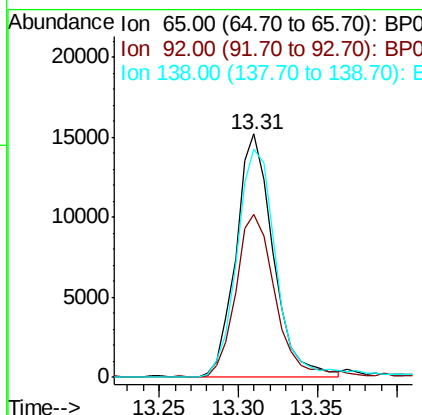
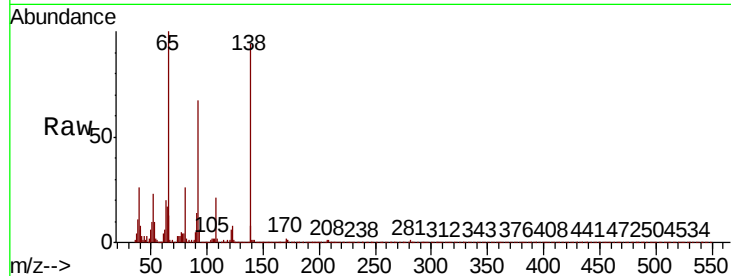




#48
2-Nitroaniline
Concen: 3.881 ng
RT: 13.31 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

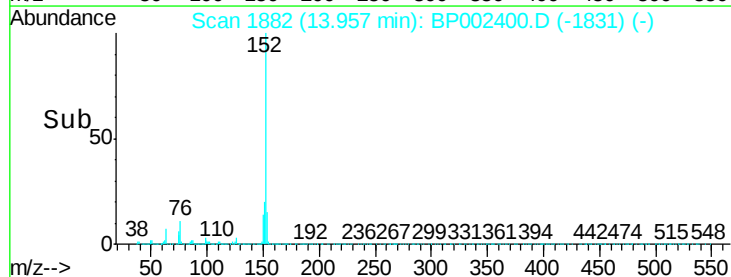
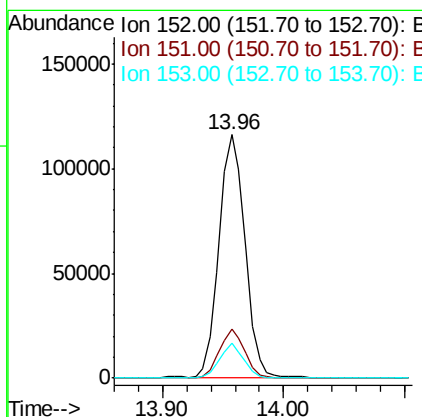
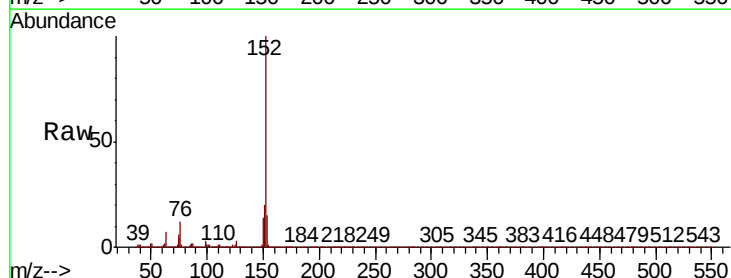
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

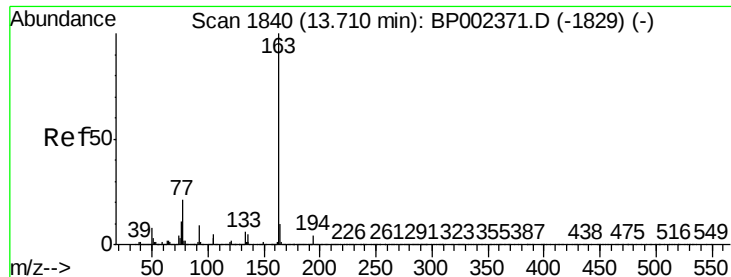
Tot Ion: 65 Resp: 24718
Ion Ratio Lower Upper
65 100
92 66.9 56.3 84.5
138 93.6 85.0 127.6



#49
Acenaphthylene
Concen: 5.423 ng
RT: 13.96 min Scan# 1882
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion: 152 Resp: 172683
Ion Ratio Lower Upper
152 100
151 20.2 15.7 23.5
153 14.6 10.5 15.7





#50

Dimethylphthalate

Concen: 5.175 ng

RT: 13.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

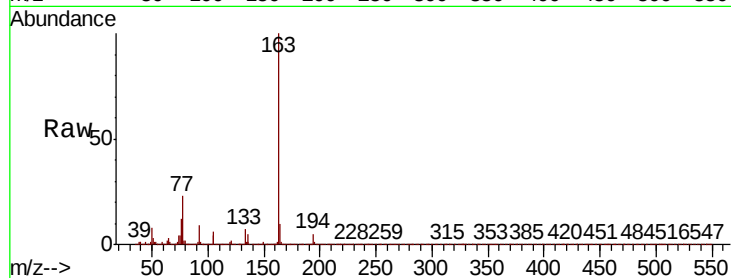
Tot Ion:163 Resp: 131941

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

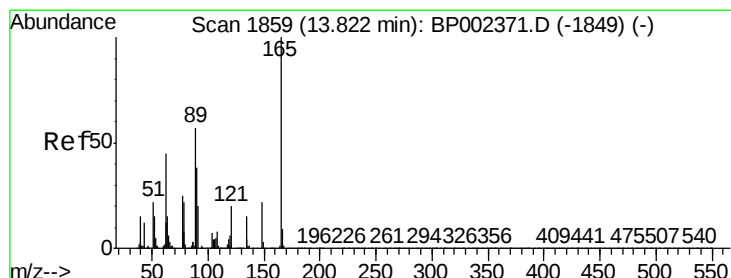
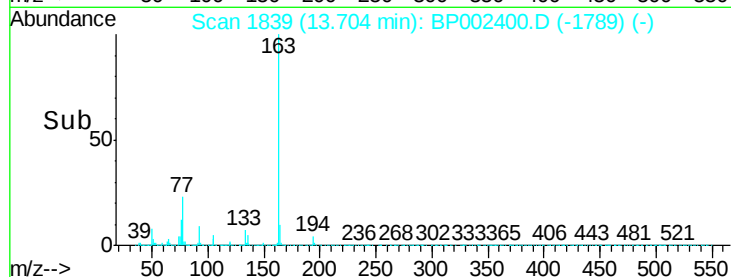
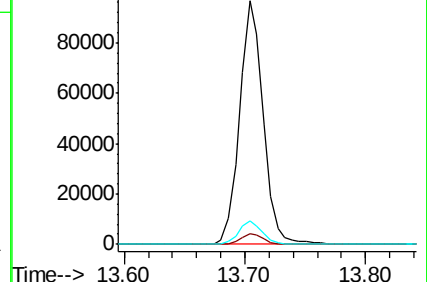
164 9.7 8.1 12.1



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: 4.319 ng

RT: 13.82 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

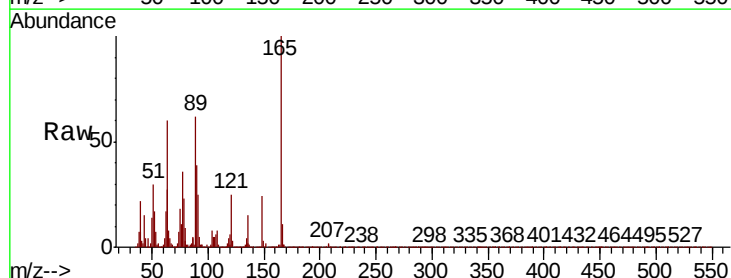
Tgt Ion:165 Resp: 23915

Ion Ratio Lower Upper

165 100

63 60.4 43.1 64.7

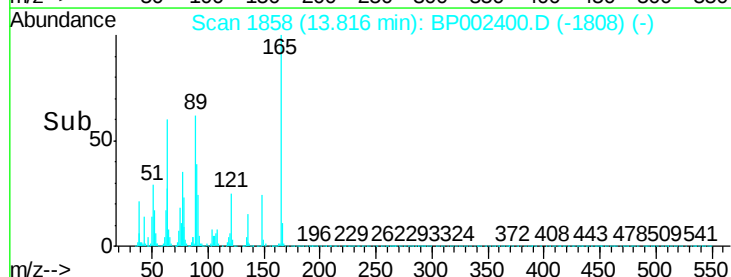
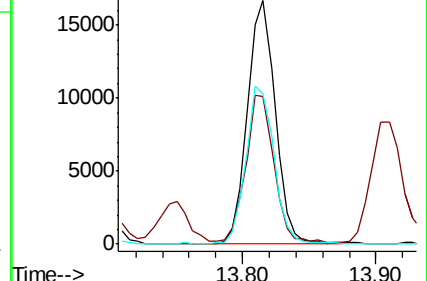
89 61.8 45.3 67.9

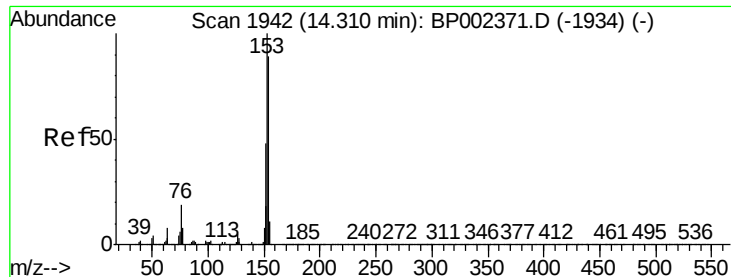


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

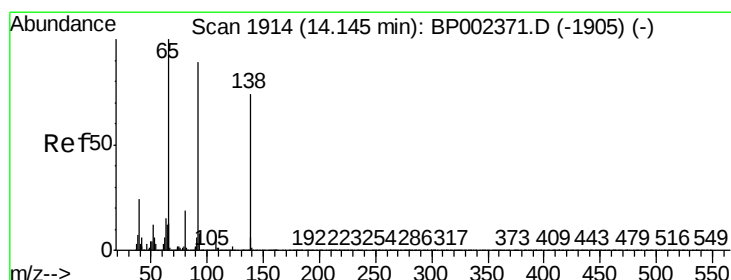
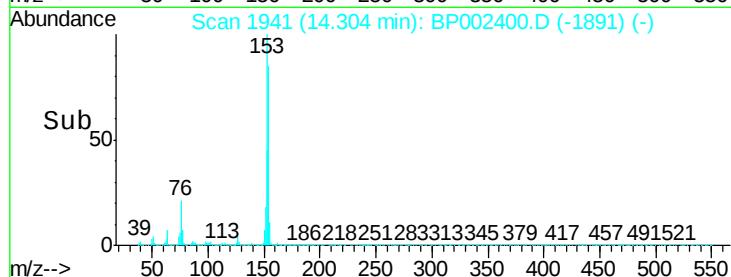
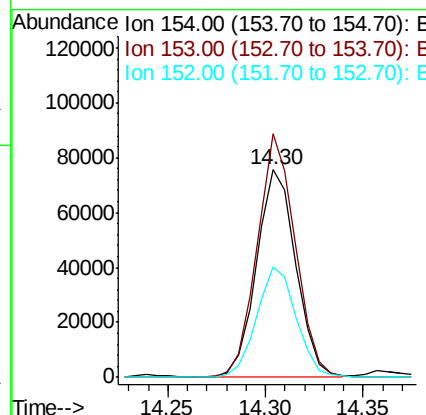
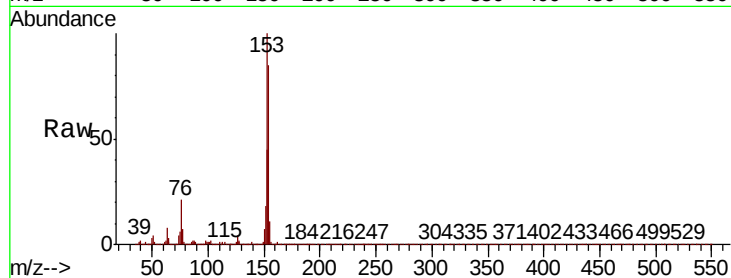




#52
Acenaphthene
Concen: 5.636 ng
RT: 14.30 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

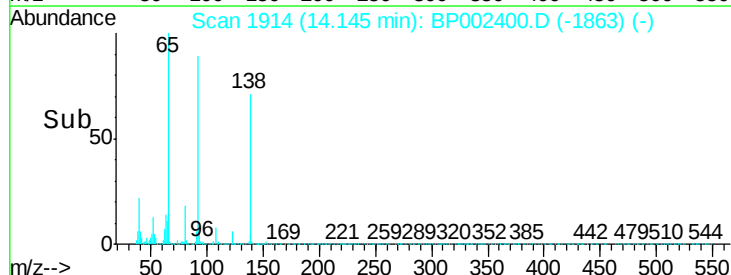
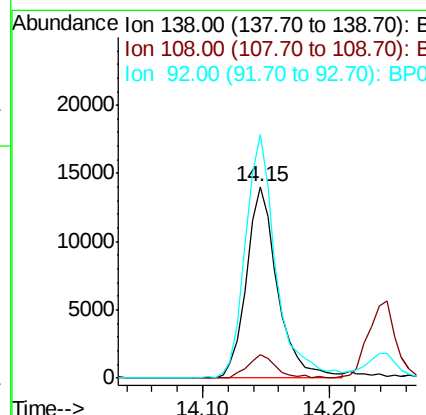
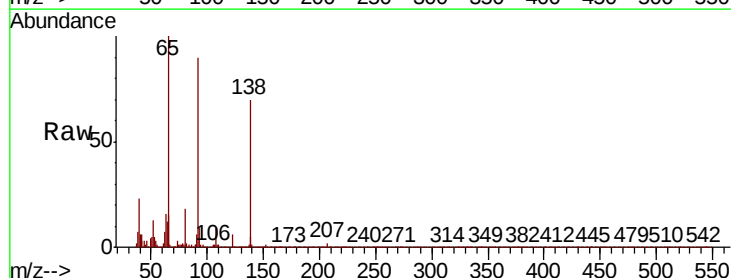
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

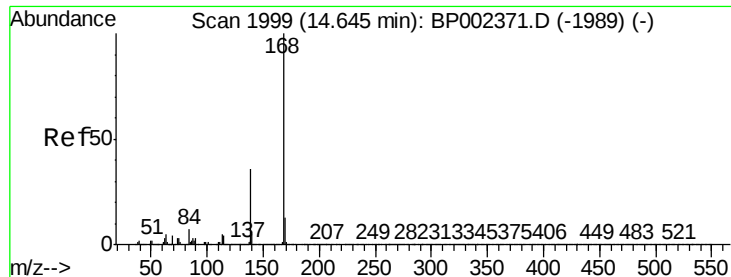
Tot Ion	Ratio	Lower	Upper
154	100		
153	117.4	89.5	134.3
152	53.3	43.3	64.9



#53
3-Nitroaniline
Concen: 3.764 ng
RT: 14.15 min Scan# 1914
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion	Ratio	Lower	Upper
138	100		
108	12.6	8.0	12.0#
92	127.0	96.2	144.2





#55

Dibenzofuran

Concen: 5.695 ng

RT: 14.65 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

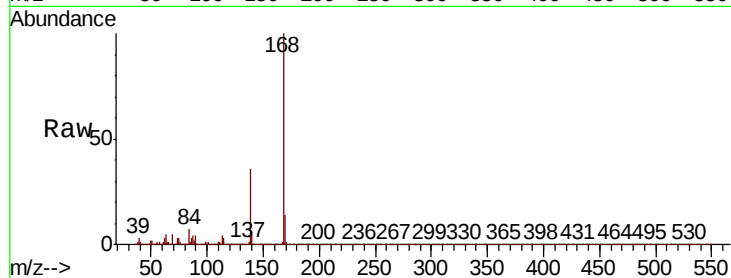
Tot Ion:168 Resp: 171035

Ion Ratio Lower Upper

168 100

139 36.2 28.9 43.3

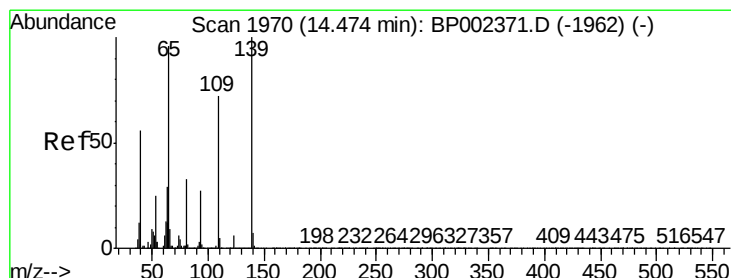
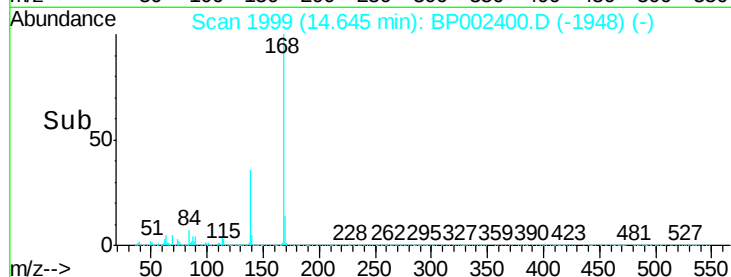
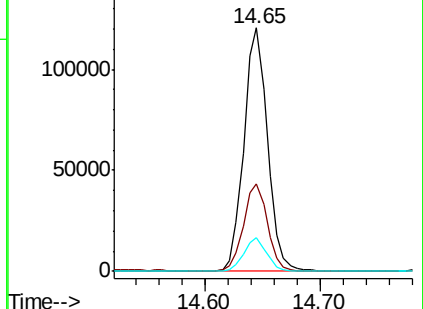
169 14.0 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 3.004 ng

RT: 14.47 min Scan# 1970

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

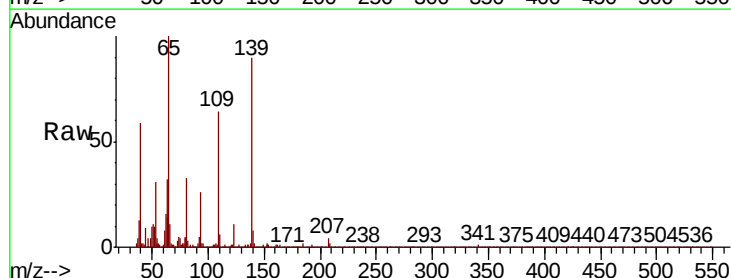
Tgt Ion:139 Resp: 15080

Ion Ratio Lower Upper

139 100

109 71.0 52.0 92.0

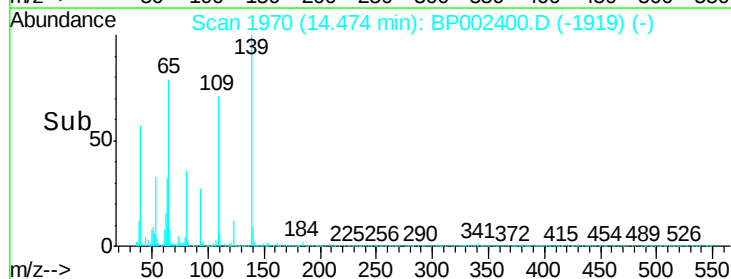
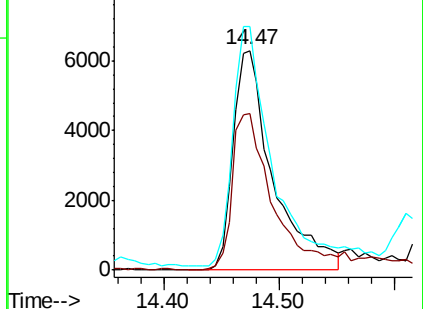
65 110.7 76.3 116.3

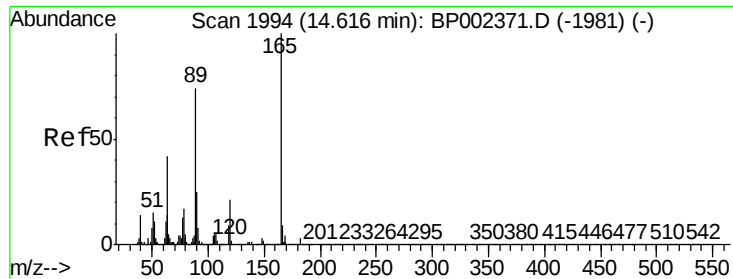


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO

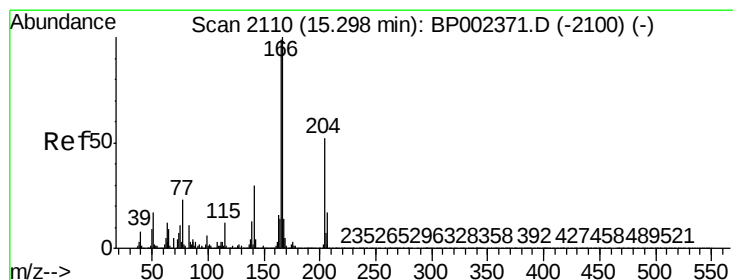
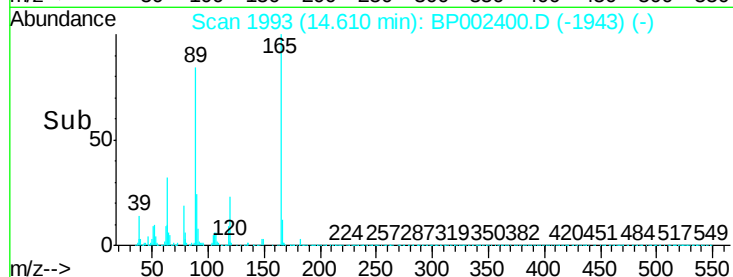
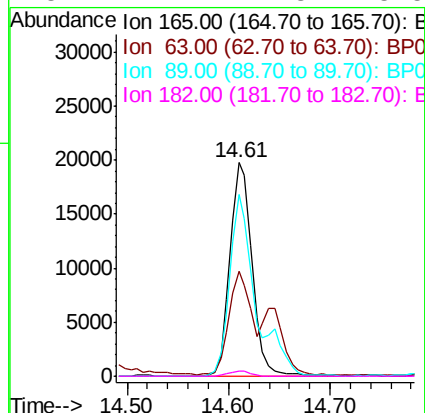
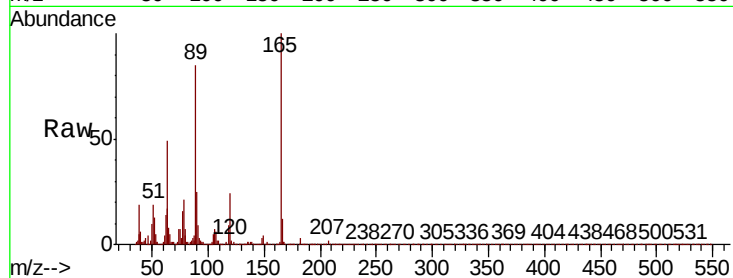




#57
2,4-Dinitrotoluene
Concen: 3.977 ng
RT: 14.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

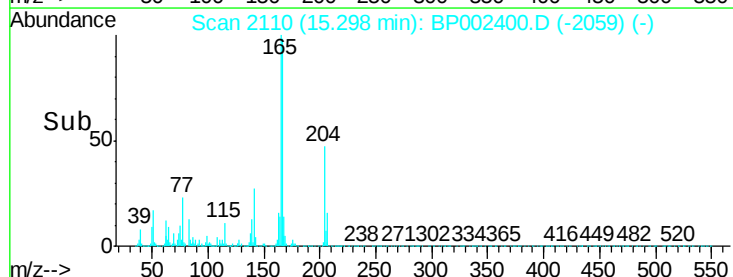
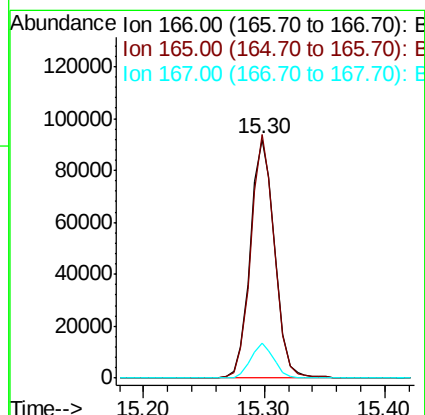
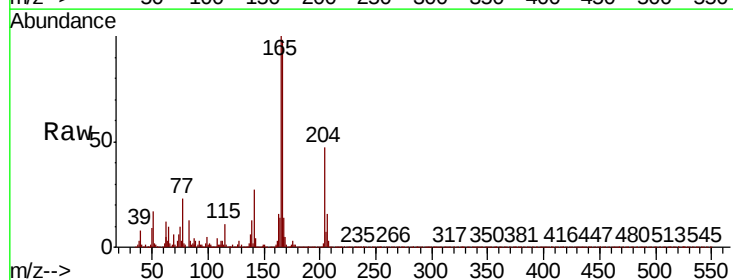
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

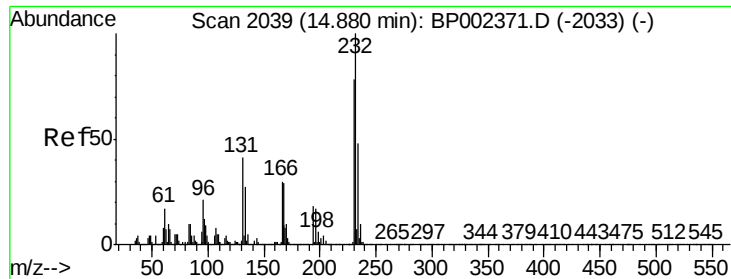
Tot Ion:165 Resp: 29975
Ion Ratio Lower Upper
165 100
63 49.1 34.2 51.2
89 85.3 59.3 88.9
182 2.7 2.3 3.5



#58
Fluorene
Concen: 5.481 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion:166 Resp: 129475
Ion Ratio Lower Upper
166 100
165 101.9 79.1 118.7
167 14.4 11.0 16.4

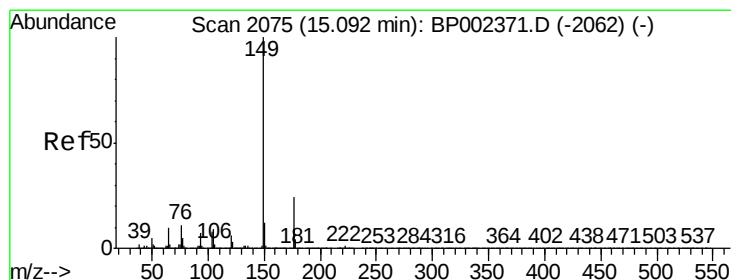
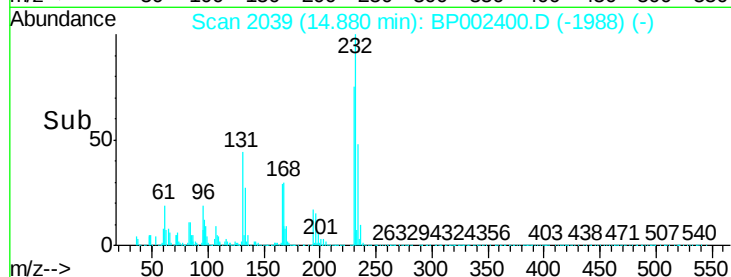
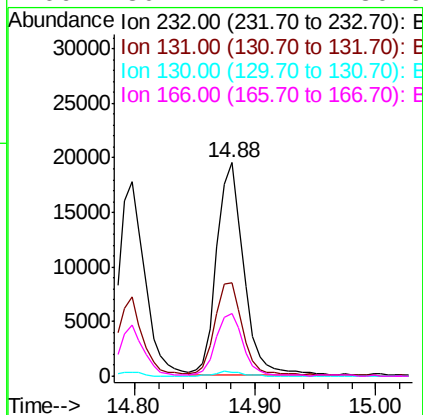
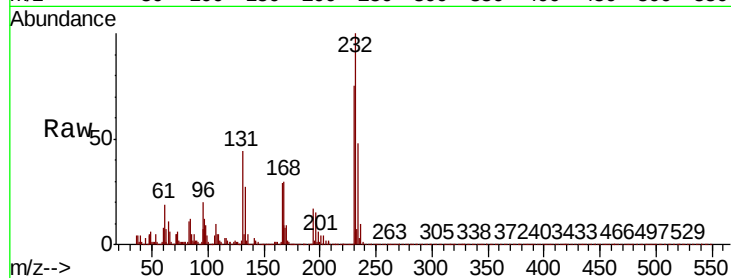




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.721 ng
RT: 14.88 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

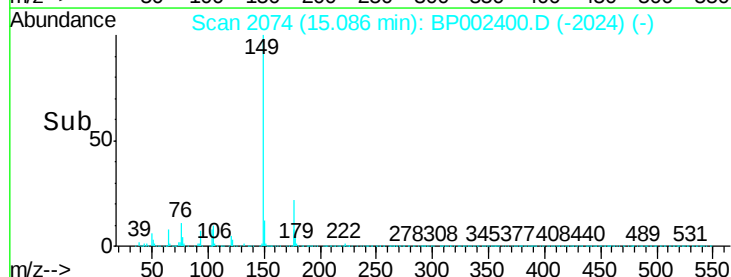
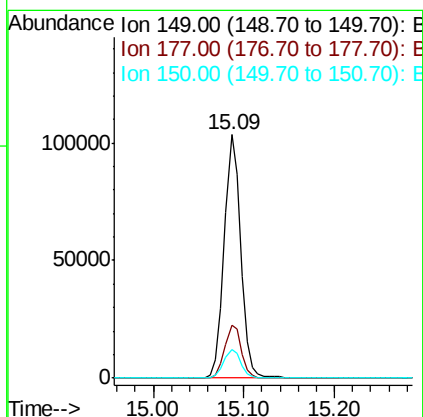
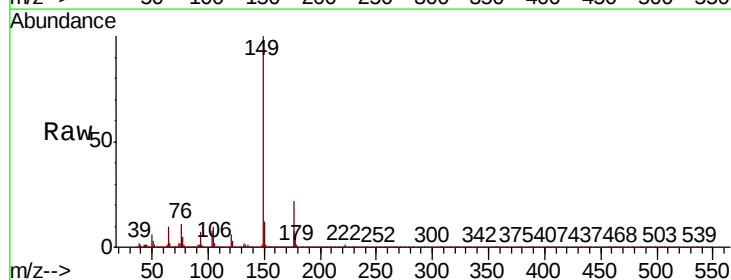
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

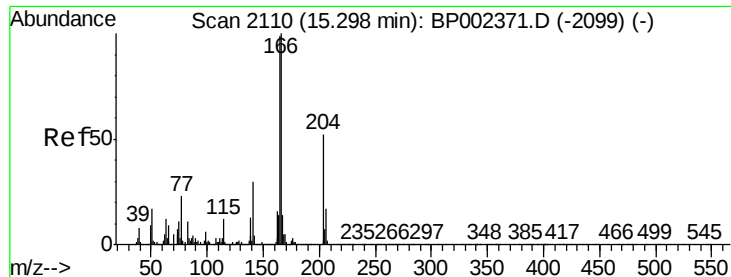
Tot Ion:232 Resp: 30124
Ion Ratio Lower Upper
232 100
131 44.6 35.1 52.7
130 2.2 1.8 2.8
166 30.2 24.4 36.6



#60
Diethylphthalate
Concen: 5.087 ng
RT: 15.09 min Scan# 2074
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion:149 Resp: 129960
Ion Ratio Lower Upper
149 100
177 21.8 18.9 28.3
150 12.0 9.9 14.9

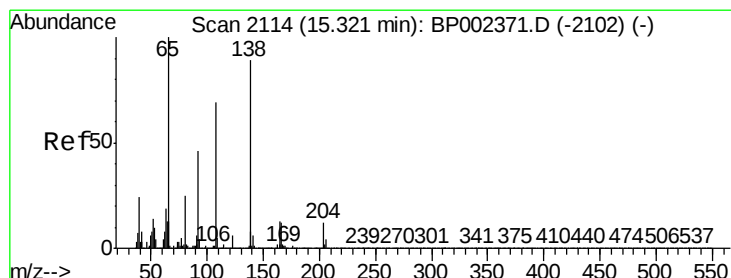
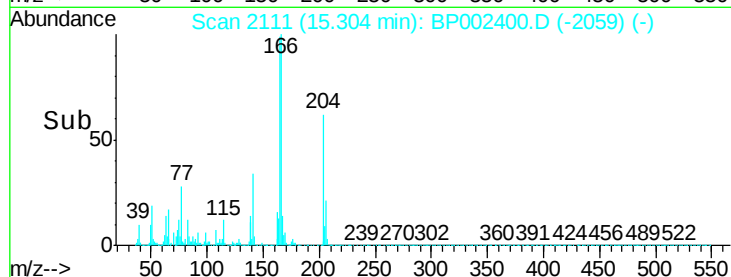
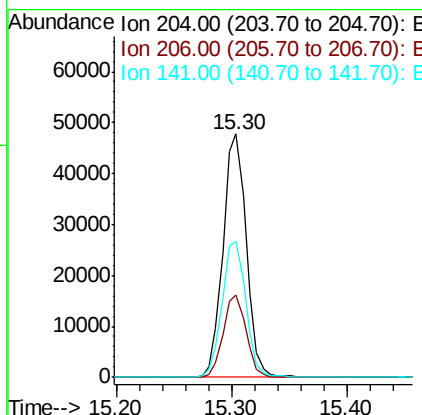
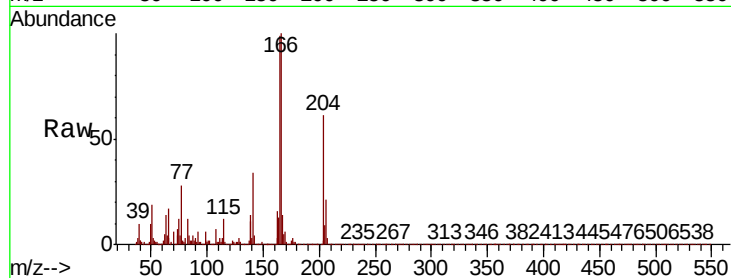




#61
4-Chlorophenyl-phenylether
Concen: 5.839 ng
RT: 15.30 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

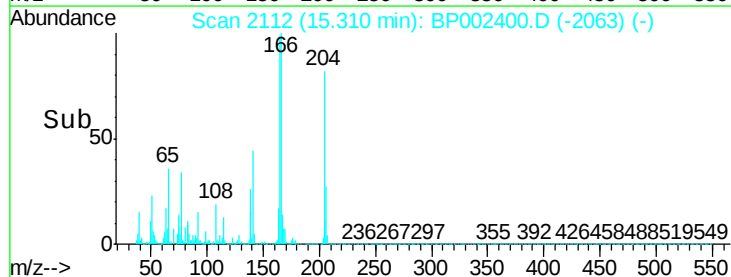
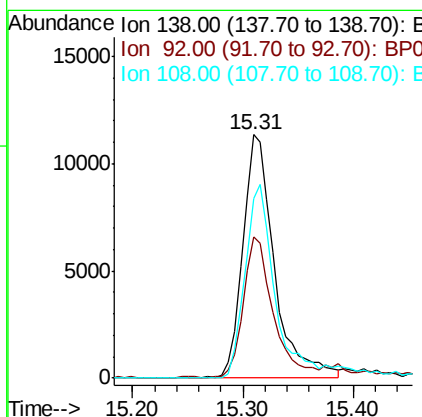
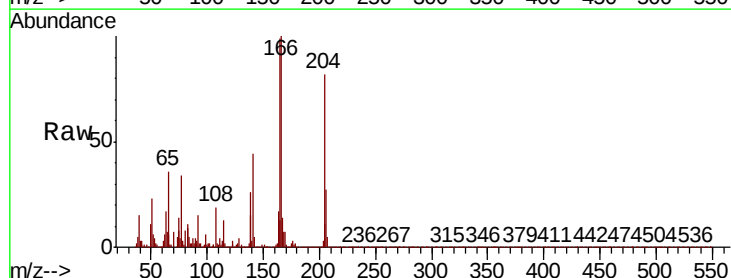
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

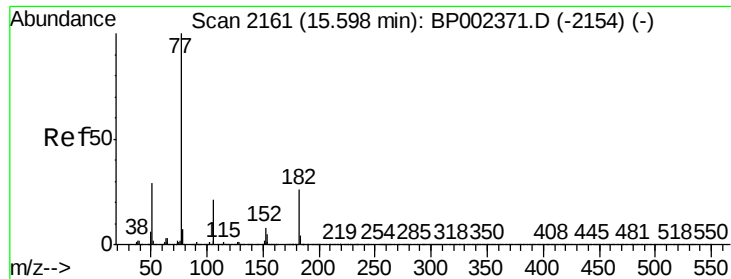
Tot Ion:204 Resp: 66860
Ion Ratio Lower Upper
204 100
206 33.7 26.8 40.2
141 55.7 46.6 69.8



#62
4-Nitroaniline
Concen: 3.750 ng
RT: 15.31 min Scan# 2112
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion:138 Resp: 22782
Ion Ratio Lower Upper
138 100
92 57.8 31.7 71.7
108 73.6 57.5 97.5

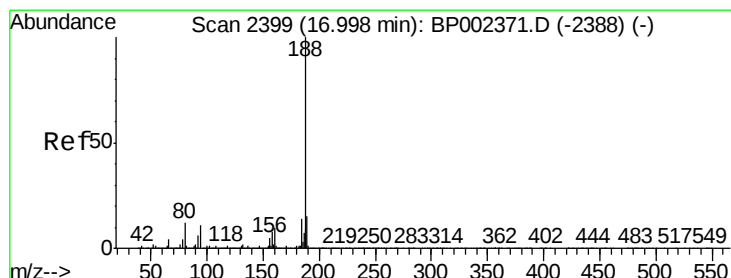
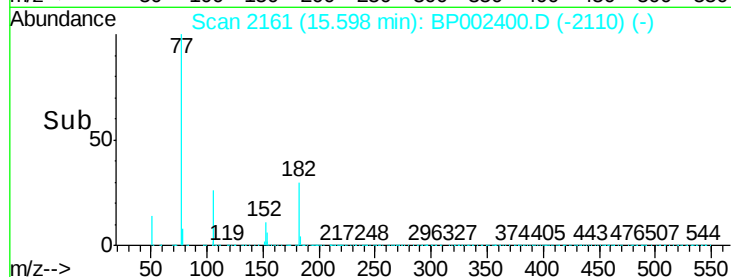
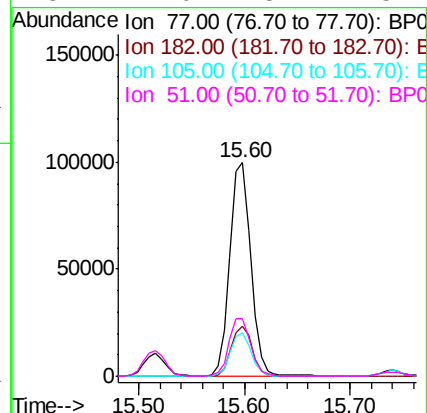
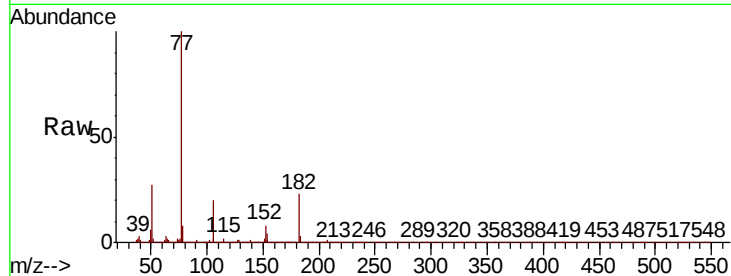




#63
Azobenzene
Concen: 5.416 ng
RT: 15.60 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

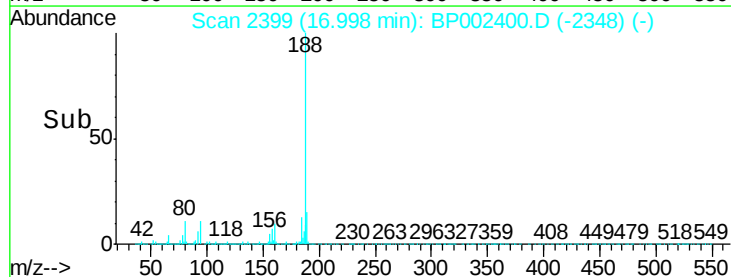
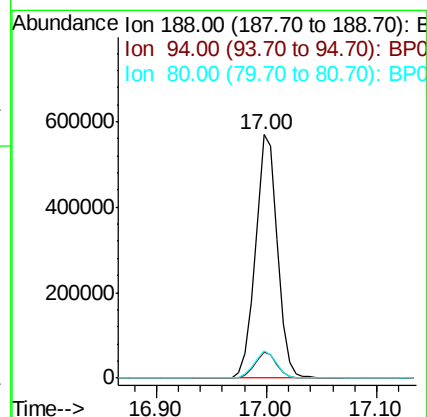
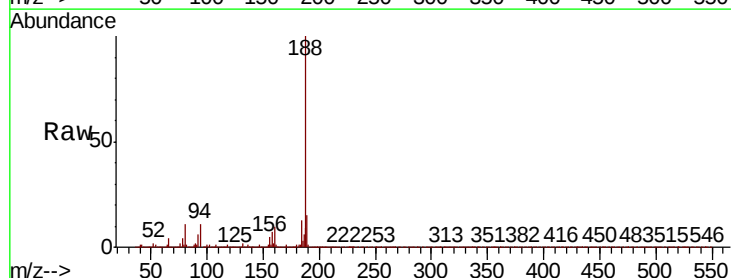
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

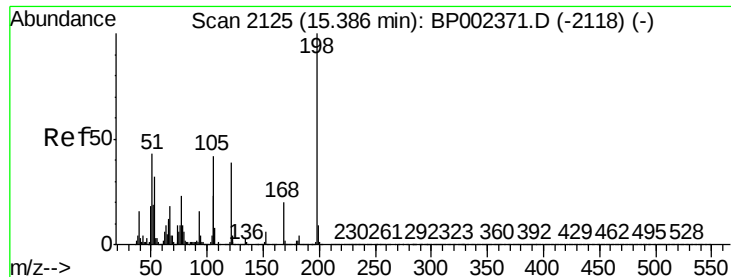
Tot Ion:	77	Resp:	137739
Ion	Ratio	Lower	Upper
77	100		
182	23.5	6.0	46.0
105	20.5	1.3	41.3
51	27.0	8.7	48.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.00 min Scan# 2399
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion:	188	Resp:	793656
Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.5	12.7
80	11.3	9.4	14.0





#65

4,6-Dinitro-2-methylphenol

Concen: 3.162 ng

RT: 15.38 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

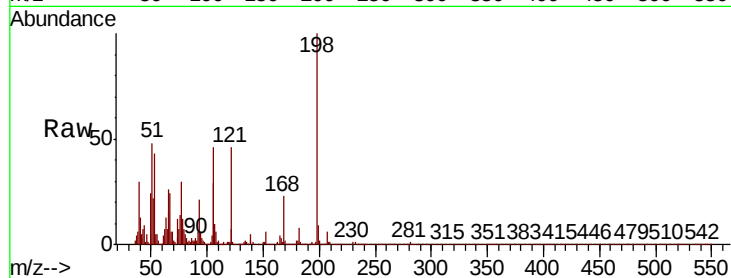
Tot Ion:198 Resp: 13243

Ion Ratio Lower Upper

198 100

51 48.3 23.4 63.4

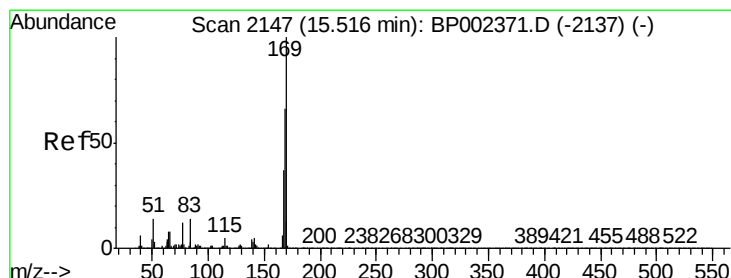
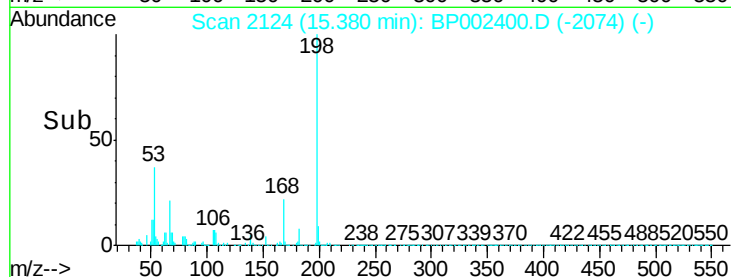
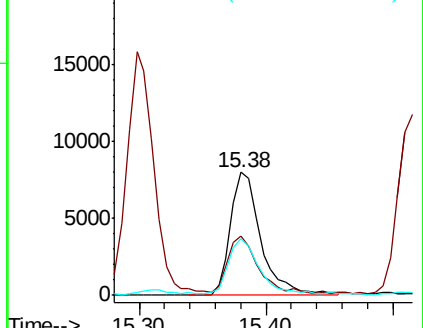
105 46.5 22.5 62.5



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: 5.665 ng

RT: 15.52 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

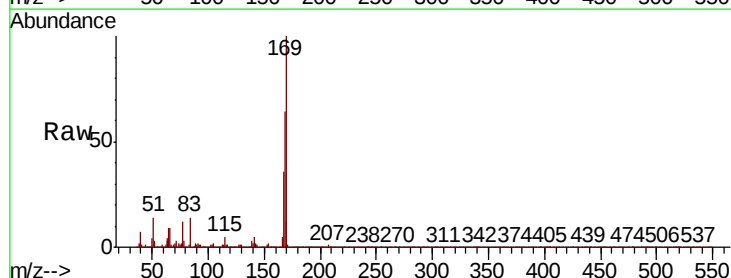
Tgt Ion:169 Resp: 114855

Ion Ratio Lower Upper

169 100

168 63.6 52.8 79.2

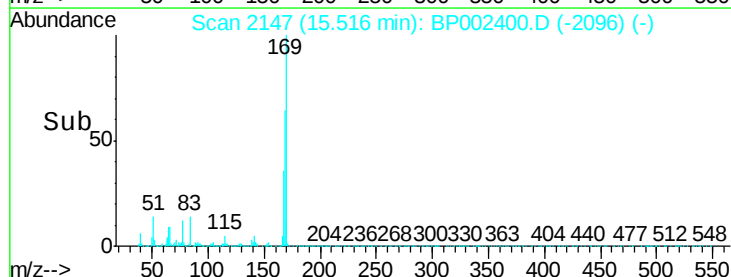
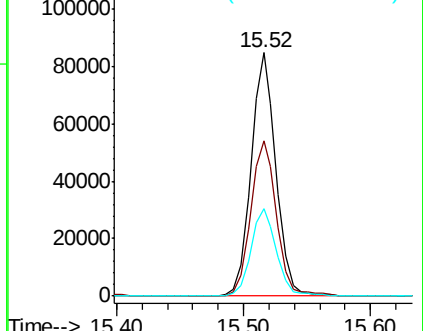
167 36.1 29.4 44.0

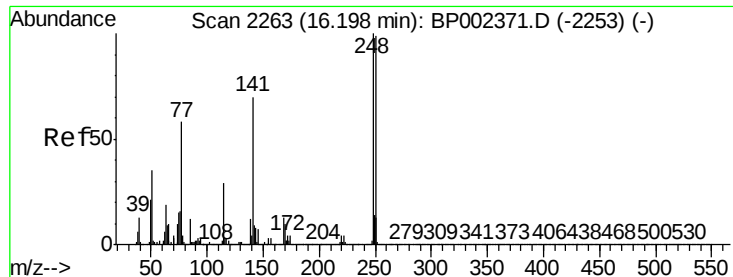


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

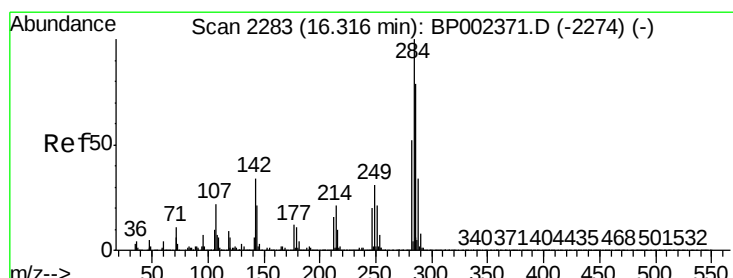
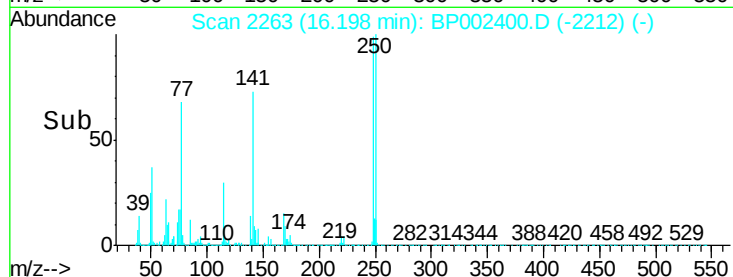
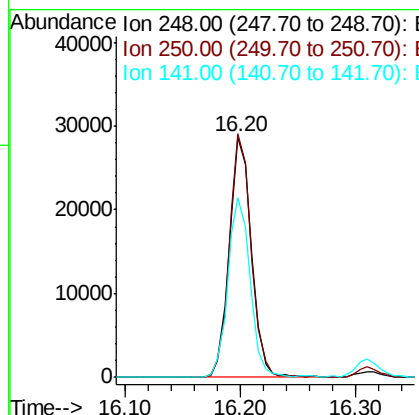
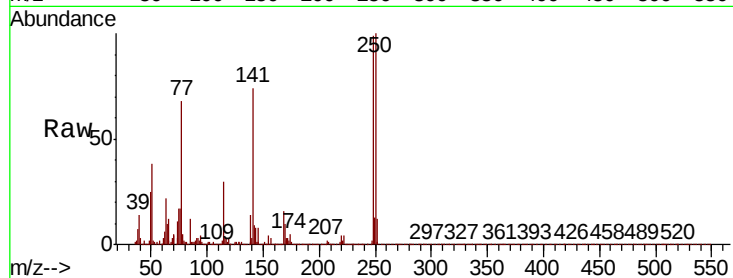




#67
4-Bromophenyl-phenylether
Concen: 5.056 ng
RT: 16.20 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

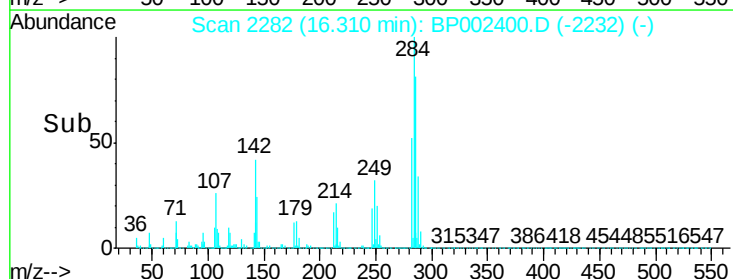
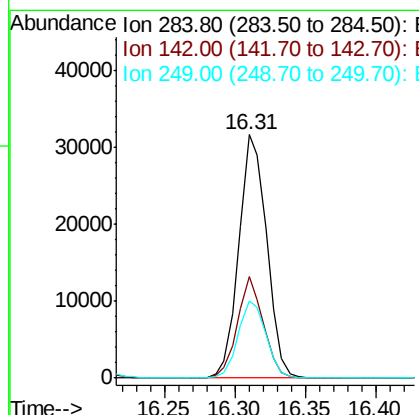
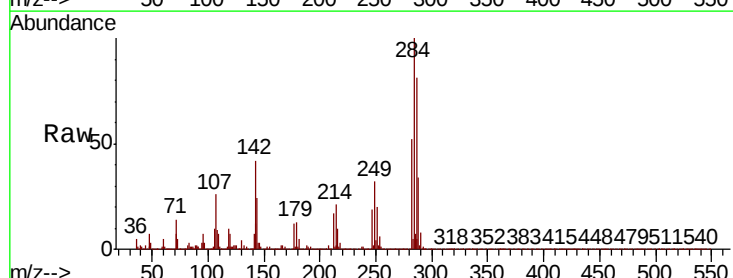
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

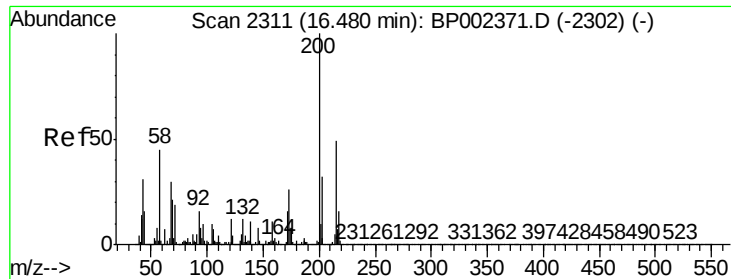
Tot Ion:248 Resp: 38012
Ion Ratio Lower Upper
248 100
250 101.3 79.3 118.9
141 74.7 55.7 83.5



#68
Hexachlorobenzene
Concen: 5.472 ng
RT: 16.31 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion:284 Resp: 43657
Ion Ratio Lower Upper
284 100
142 41.9 27.4 41.0#
249 31.6 24.9 37.3

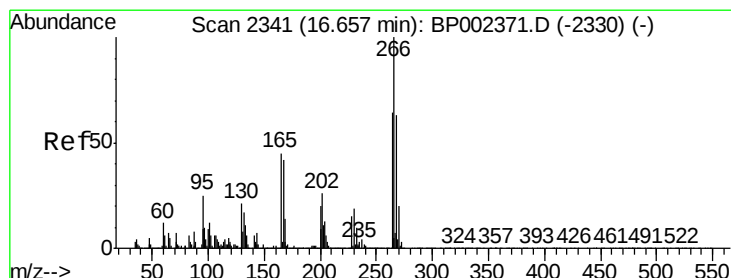
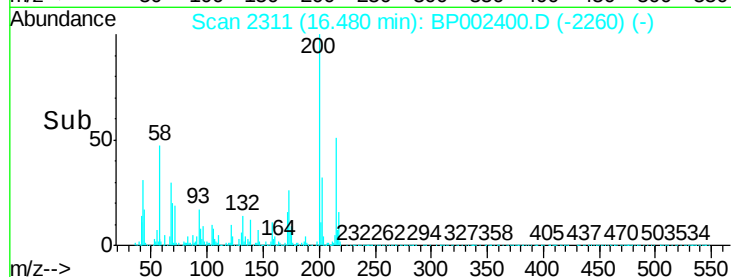
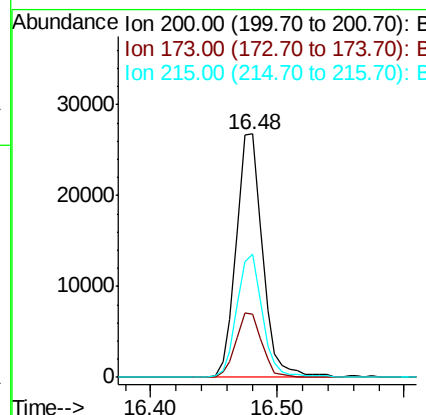
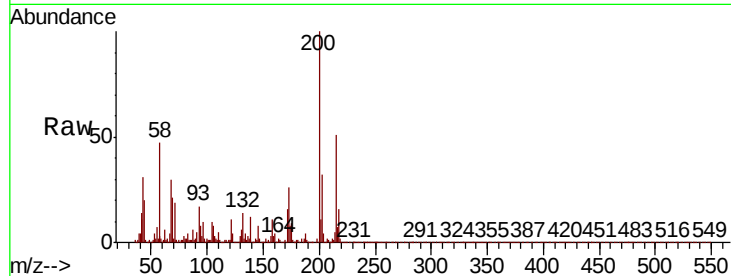




#69
Atrazine
Concen: 5.798 ng
RT: 16.48 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

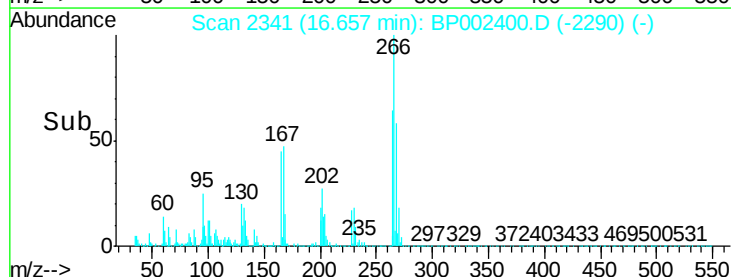
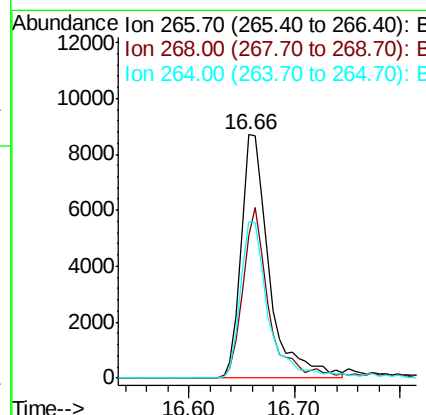
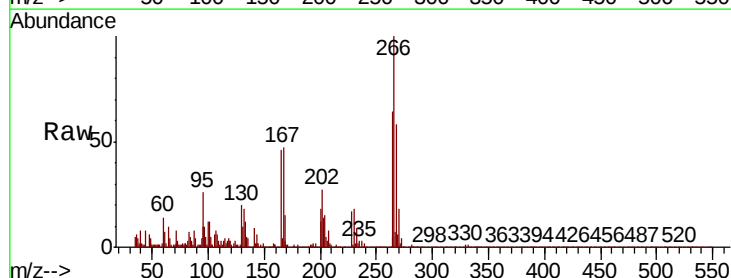
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

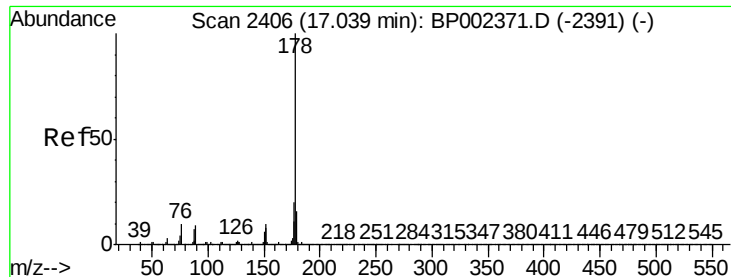
Tot Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.4	46.4
215	50.6	29.3	69.3



#70
Pentachlorophenol
Concen: 3.348 ng
RT: 16.66 min Scan# 2341
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion	Ratio	Lower	Upper
266	100		
268	58.4	50.5	75.7
264	64.2	51.4	77.0

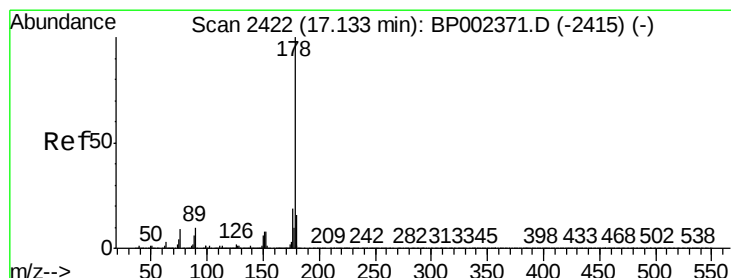
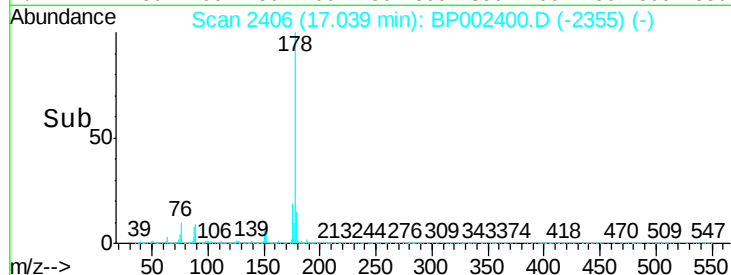
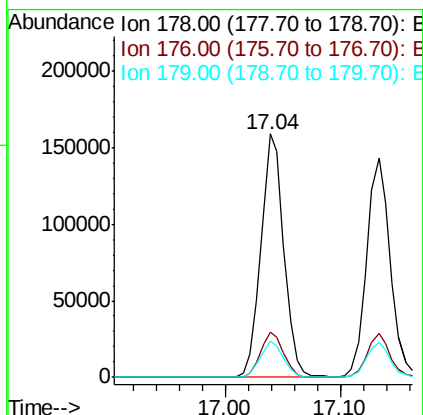
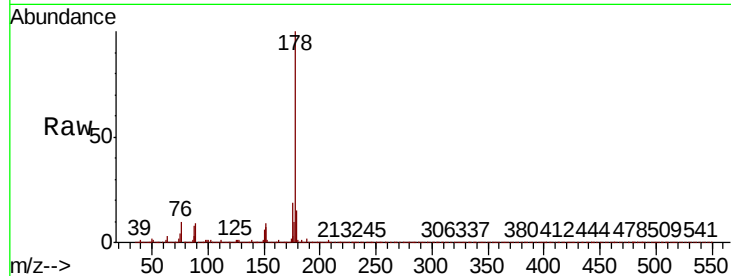




#71
Phenanthrene
Concen: 5.959 ng
RT: 17.04 min Scan# 2406
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

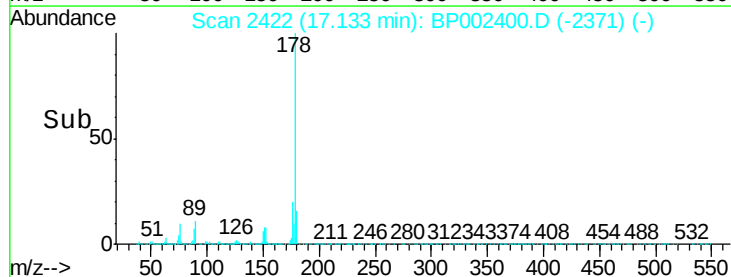
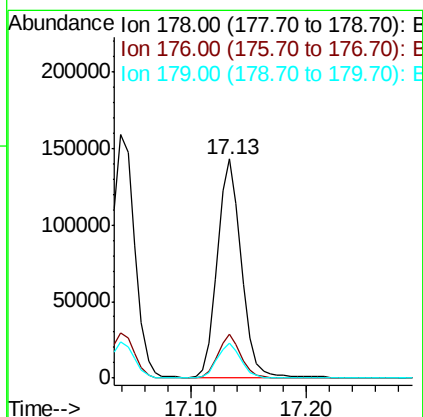
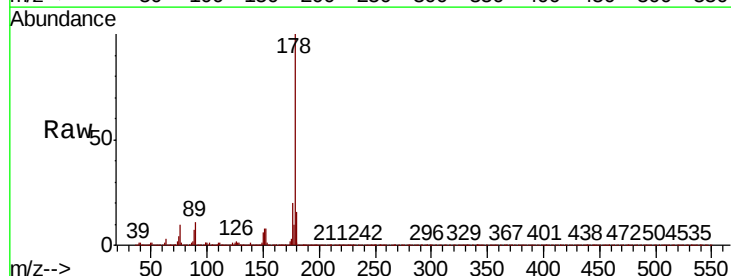
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2020

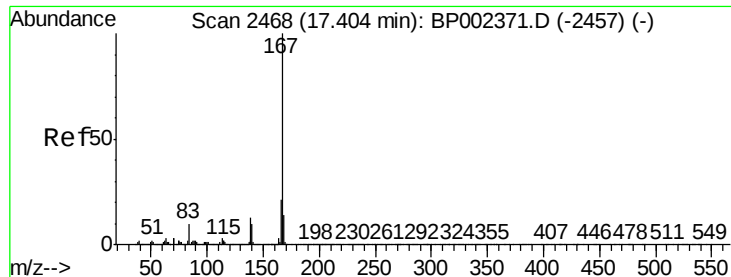
Tot Ion:178 Resp: 221222
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 15.1 12.5 18.7



#72
Anthracene
Concen: 5.553 ng
RT: 17.13 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BP002400.D
Acq: 12 Jun 2020 16:14

Tgt Ion:178 Resp: 204813
Ion Ratio Lower Upper
178 100
176 20.0 15.5 23.3
179 15.7 13.0 19.4

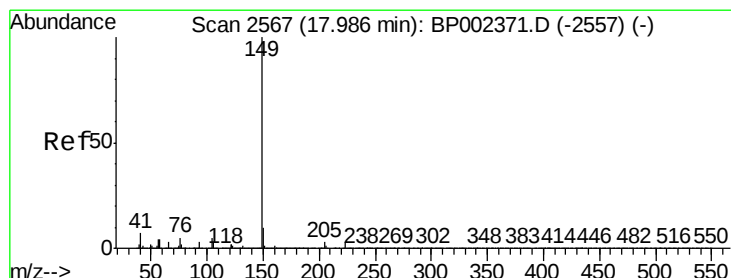
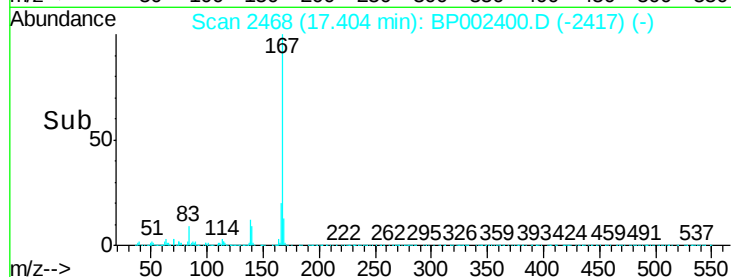
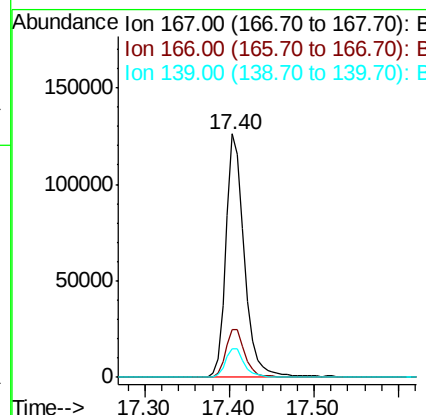
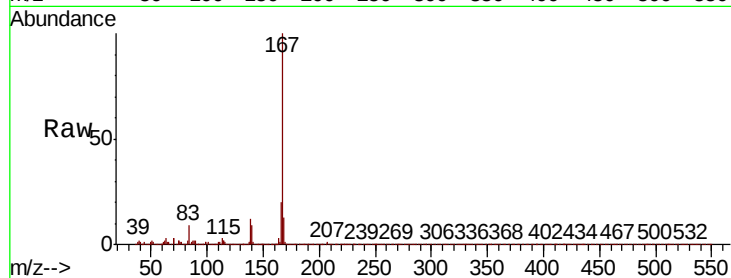




#73
 Carbazole
 Concen: 5.280 ng
 RT: 17.40 min Scan# 2468
 Delta R.T. 0.00 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

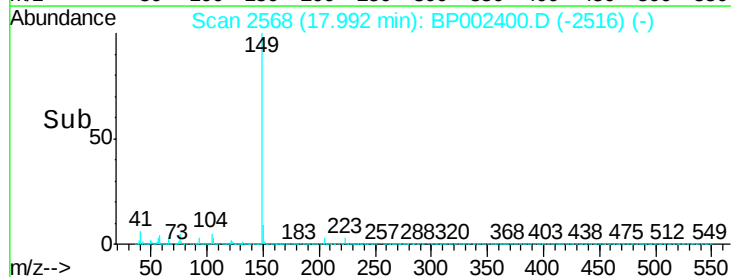
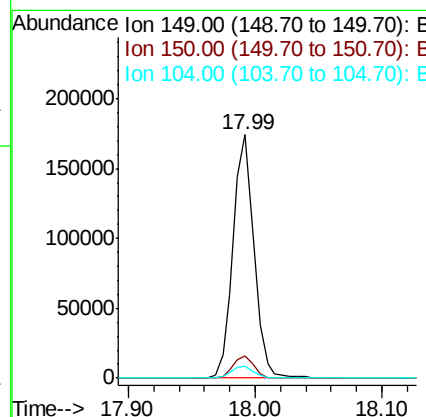
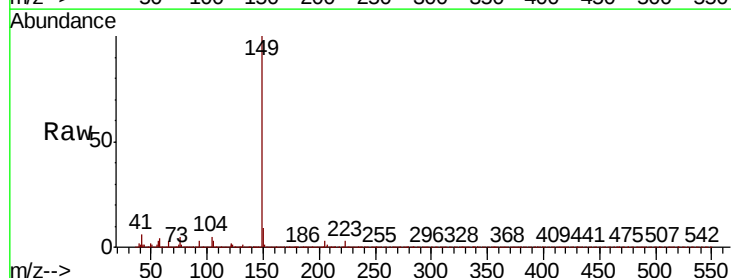
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

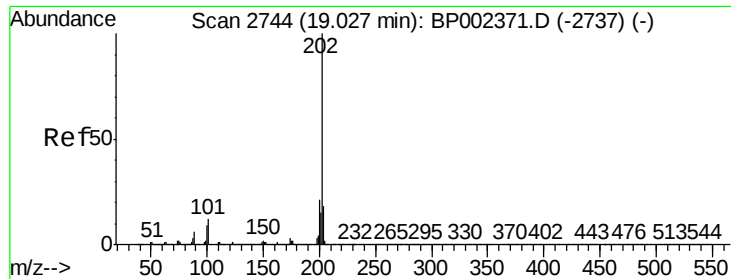
Tot Ion:167 Resp: 191578
 Ion Ratio Lower Upper
 167 100
 166 19.7 17.1 25.7
 139 11.6 10.3 15.5



#74
 Di-n-butylphthalate
 Concen: 4.611 ng
 RT: 17.99 min Scan# 2568
 Delta R.T. 0.01 min
 Lab File: BP002400.D
 Acq: 12 Jun 2020 16:14

Tgt Ion:149 Resp: 197965
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.7 11.5
 104 4.7 4.3 6.5





#75

Fluoranthene

Concen: 5.514 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

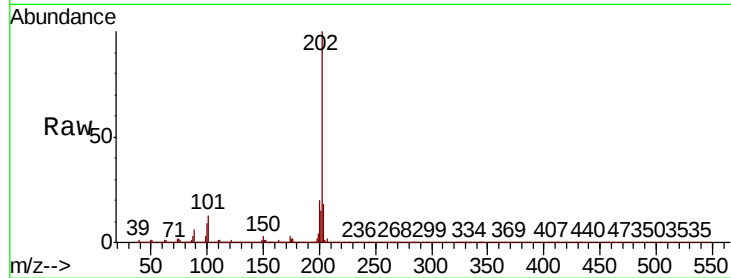
Tot Ion:202 Resp: 244346

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.8

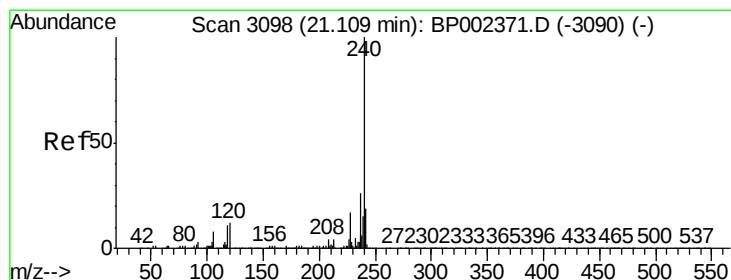
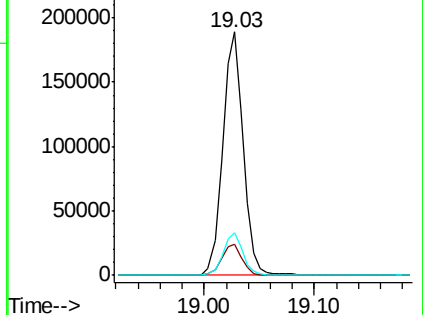
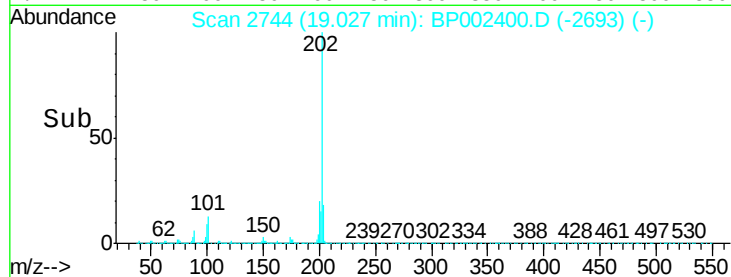
203 17.6 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

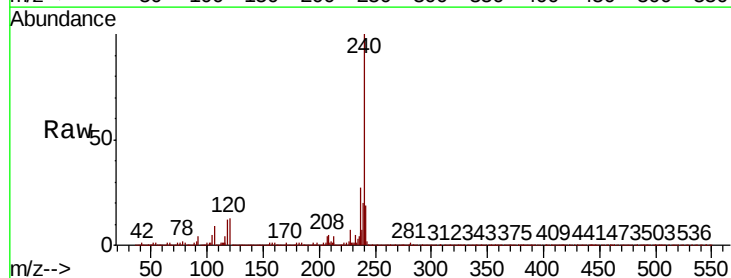
Tgt Ion:240 Resp: 768324

Ion Ratio Lower Upper

240 100

120 12.9 9.3 13.9

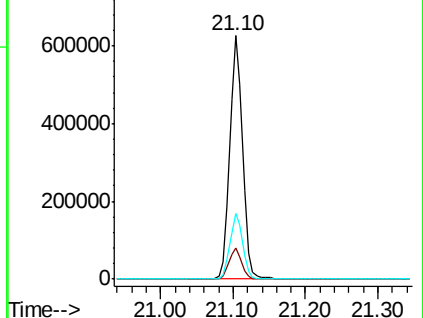
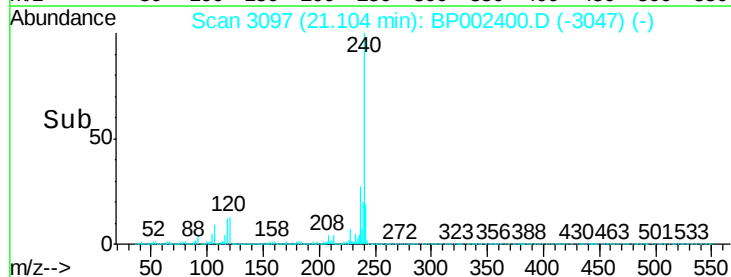
236 27.2 21.0 31.6

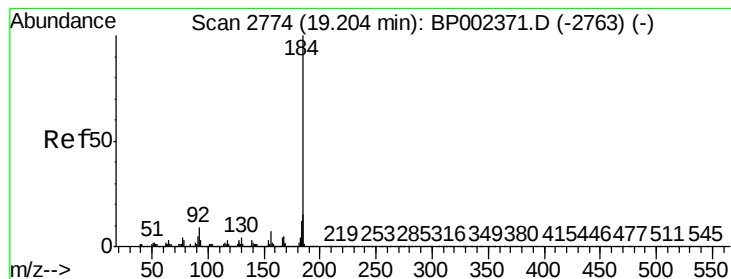


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 5.251 ng

RT: 19.21 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

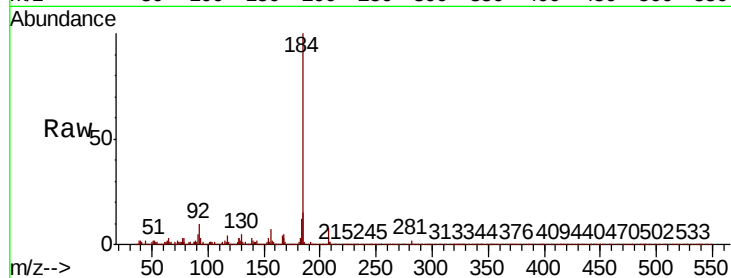
Tot Ion:184 Resp: 90148

Ion Ratio Lower Upper

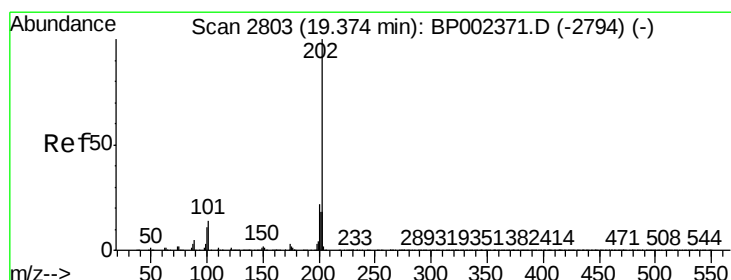
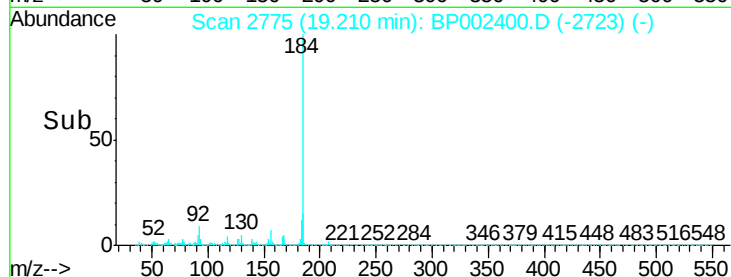
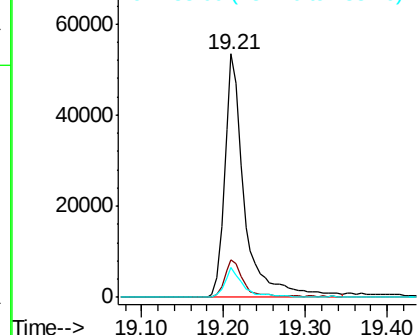
184 100

185 15.5 11.8 17.8

183 12.5 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: 5.566 ng

RT: 19.38 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

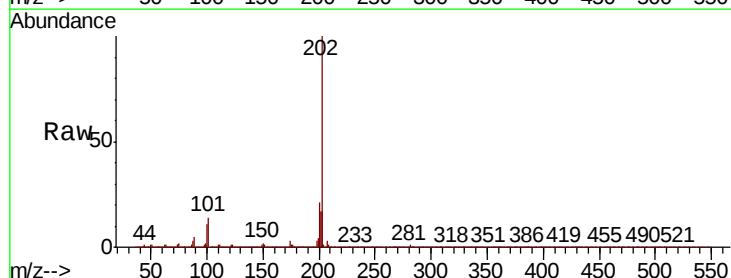
Tgt Ion:202 Resp: 261943

Ion Ratio Lower Upper

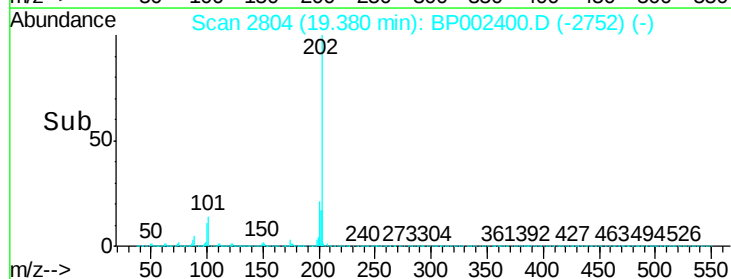
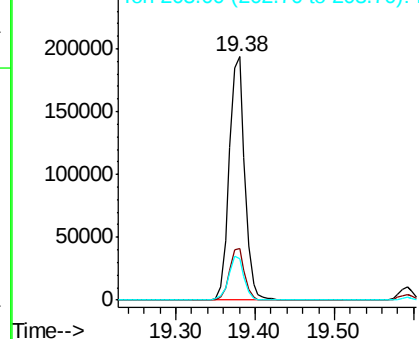
202 100

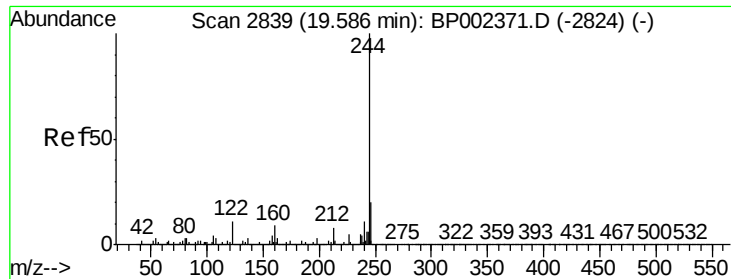
200 21.2 17.7 26.5

203 16.9 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: 113.042 ng

RT: 19.59 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

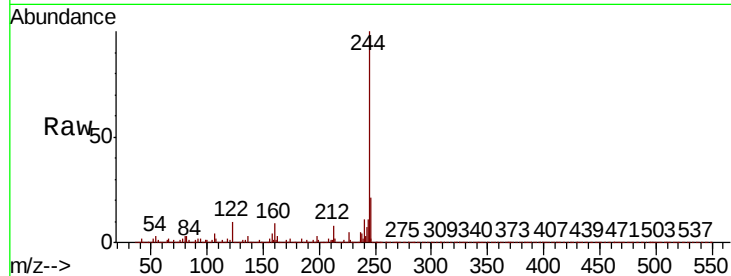
Tot Ion:244 Resp: 3314746

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

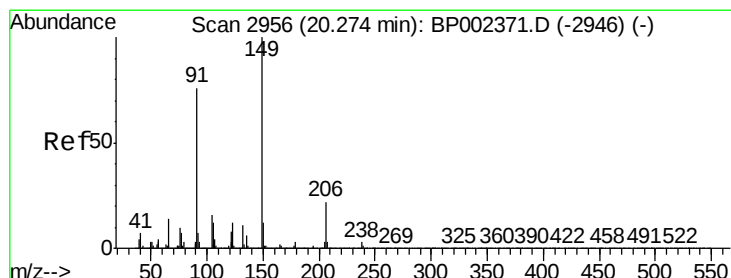
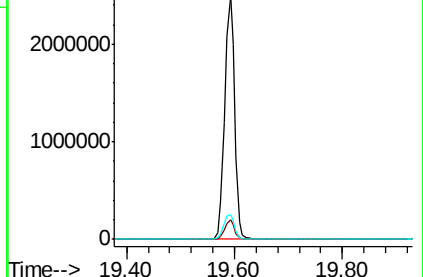
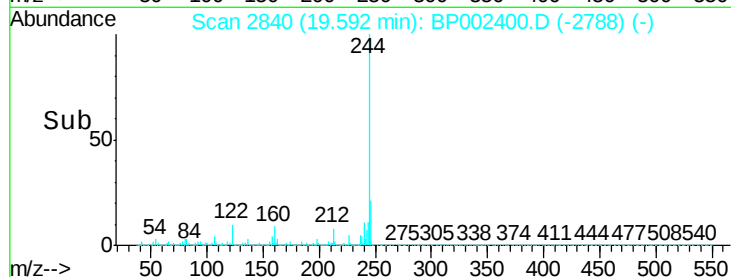
122 10.4 8.8 13.2



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: 3.954 ng

RT: 20.27 min Scan# 2956

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

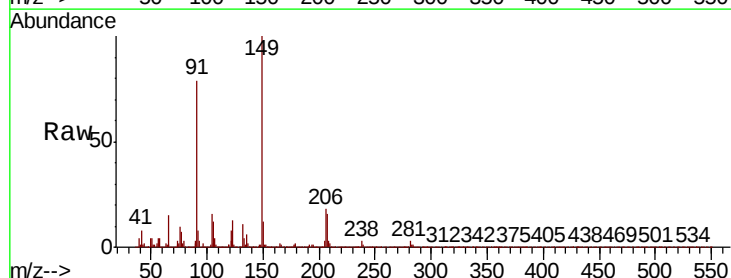
Tgt Ion:149 Resp: 82726

Ion Ratio Lower Upper

149 100

91 78.8 61.2 91.8

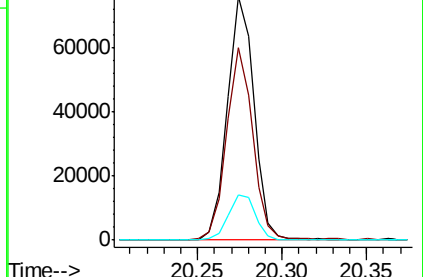
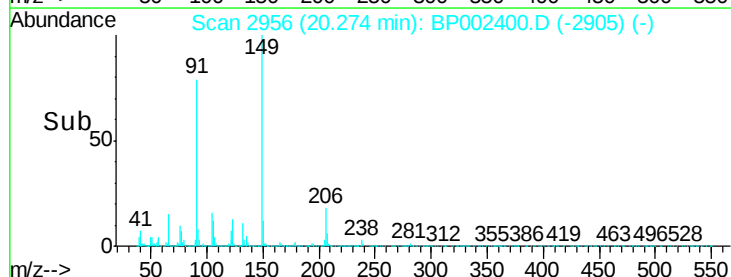
206 18.4 17.8 26.6

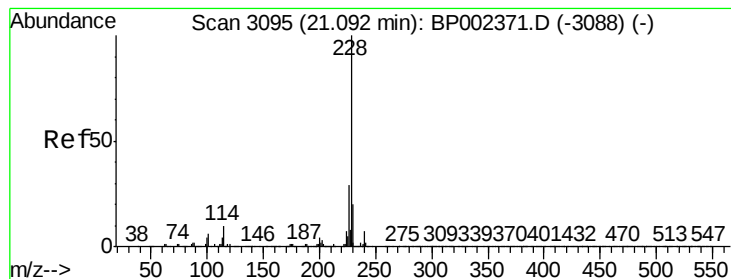


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.817 ng

RT: 21.09 min Scan# 3095

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

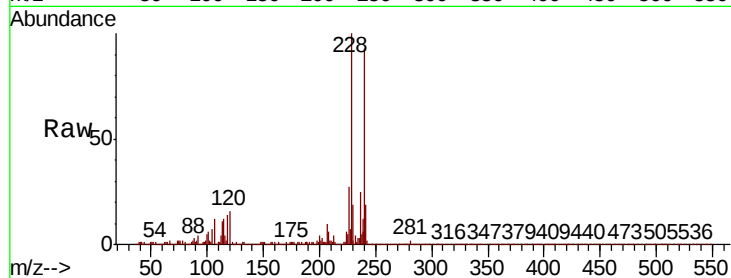
Tot Ion:228 Resp: 255126

Ion Ratio Lower Upper

228 100

226 26.6 22.8 34.2

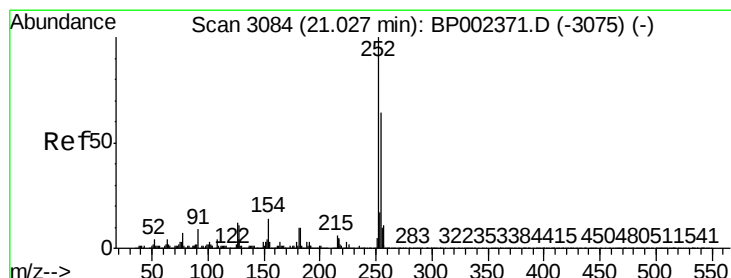
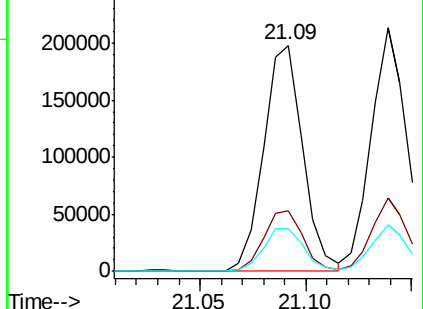
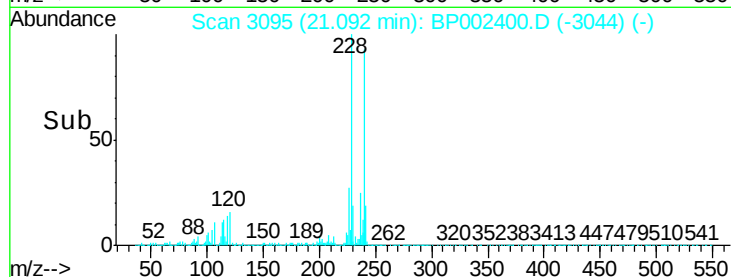
229 19.0 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 5.265 ng

RT: 21.03 min Scan# 3084

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

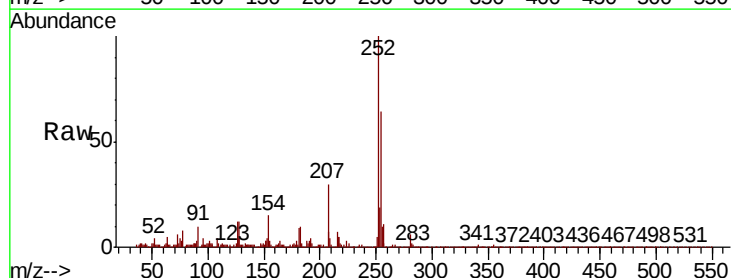
Tgt Ion:252 Resp: 85804

Ion Ratio Lower Upper

252 100

254 64.0 51.4 77.2

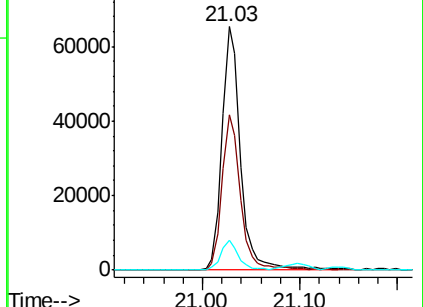
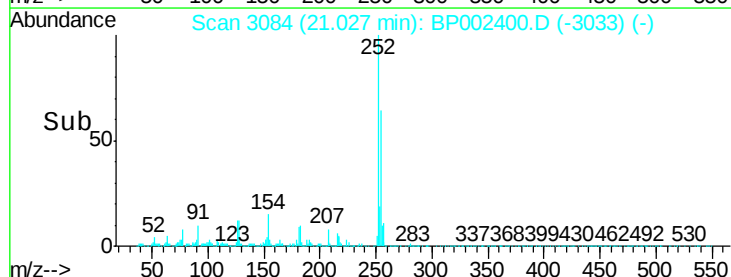
126 12.5 9.2 13.8

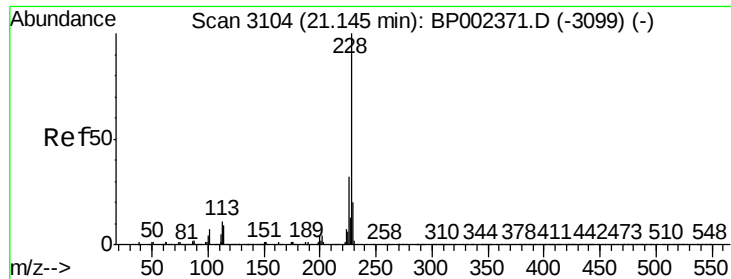


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 6.121 ng

RT: 21.14 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

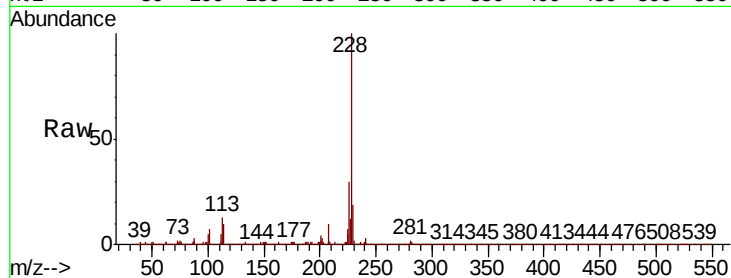
BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

Tot Ion:228 Resp: 254330

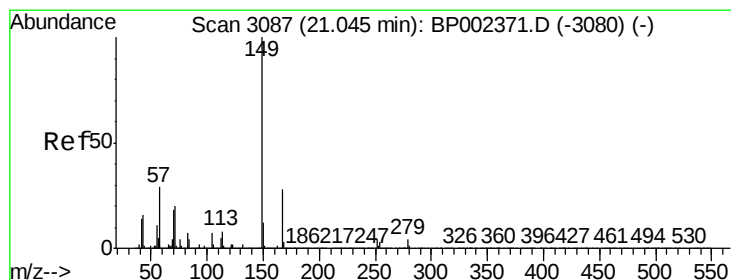
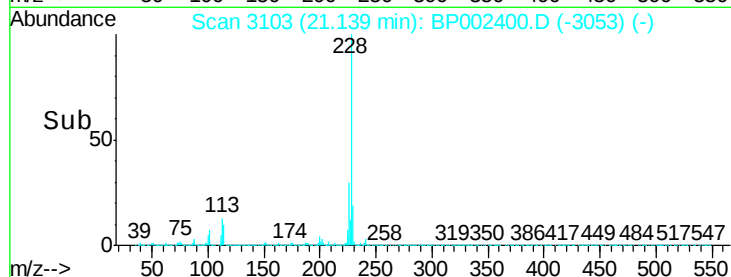
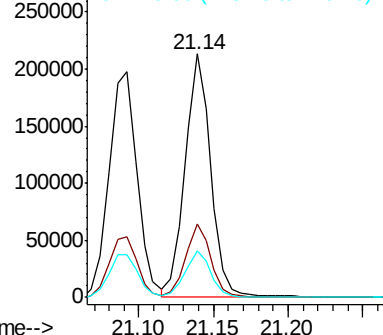
Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.2	37.8
229	19.2	16.1	24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.443 ng

RT: 21.05 min Scan# 3088

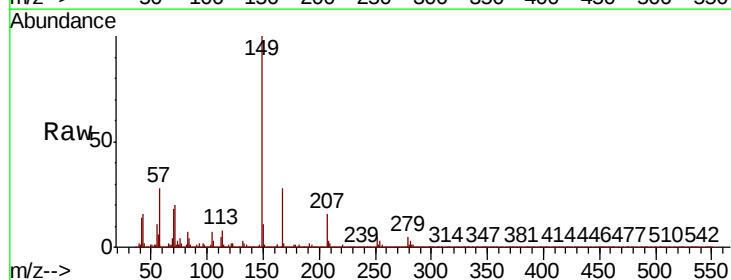
Delta R.T. 0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Tgt Ion:149 Resp: 135218

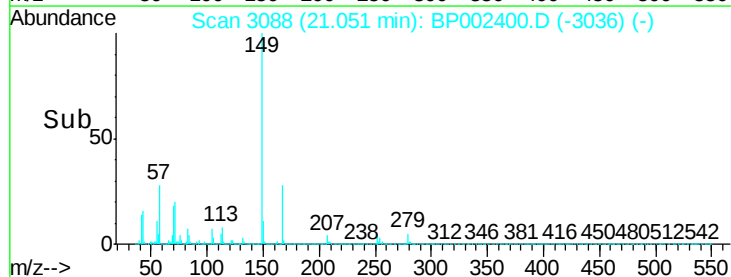
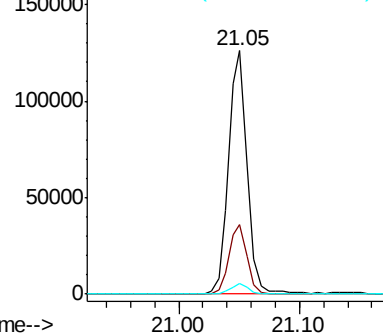
Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.3	33.5
279	4.6	3.2	4.8

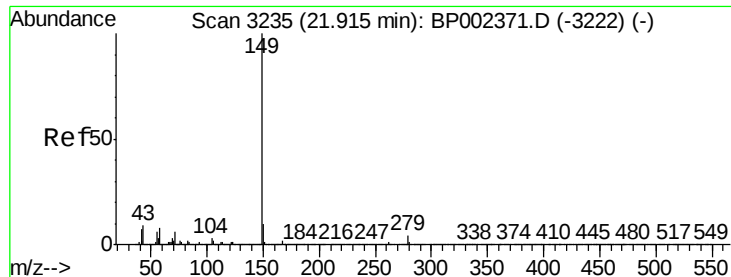


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 4.339 ng

RT: 21.92 min Scan# 3235

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

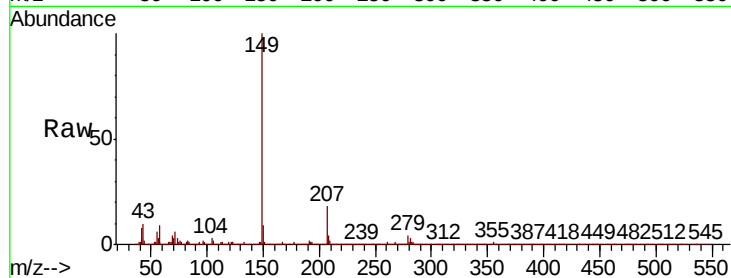
Tot Ion:149 Resp: 231595

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

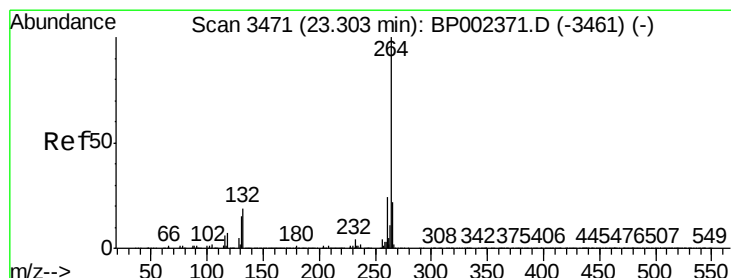
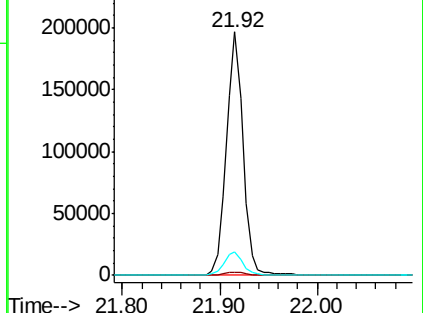
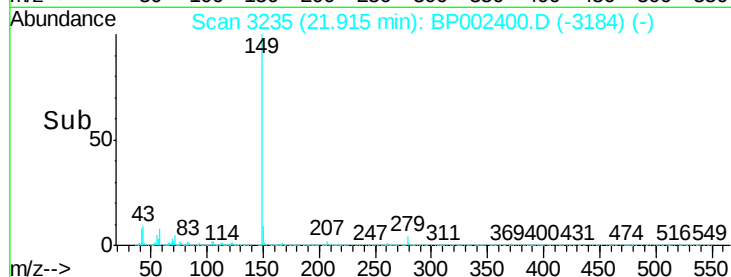
43 10.1 7.8 11.6



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): BP0



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.30 min Scan# 3471

Delta R.T. 0.00 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

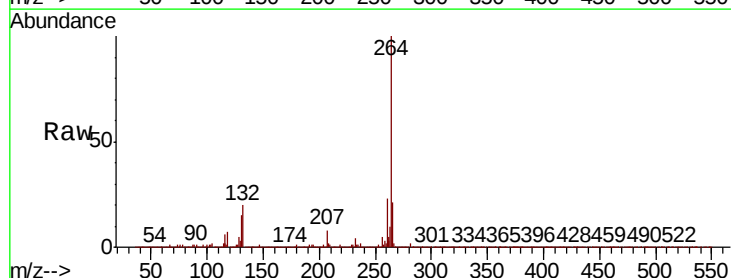
Tgt Ion:264 Resp: 885485

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

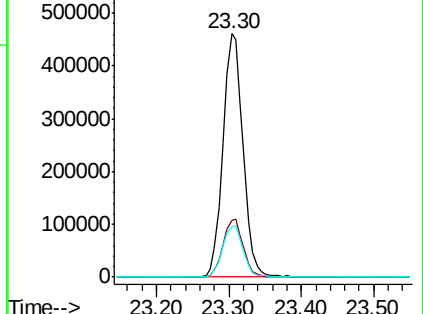
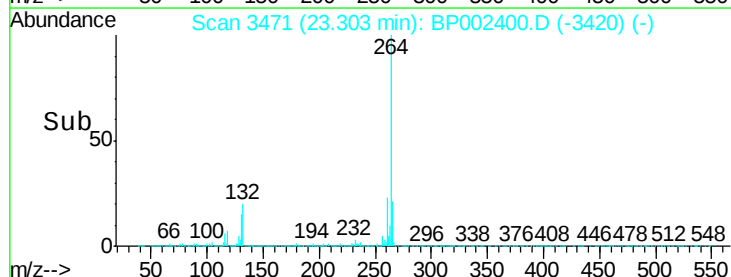
265 20.7 17.4 26.2

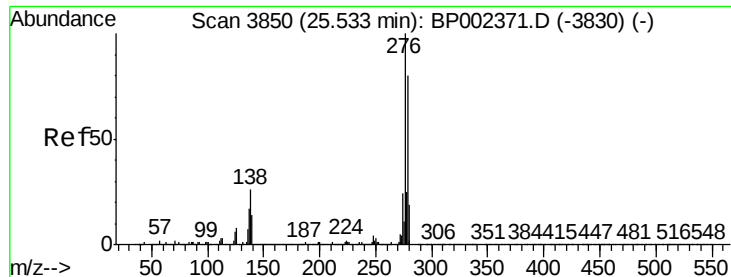


Abundance Ion 264.00 (263.70 to 264.70): E

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: 5.263 ng

RT: 25.52 min Scan# 3847

Delta R.T. -0.02 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

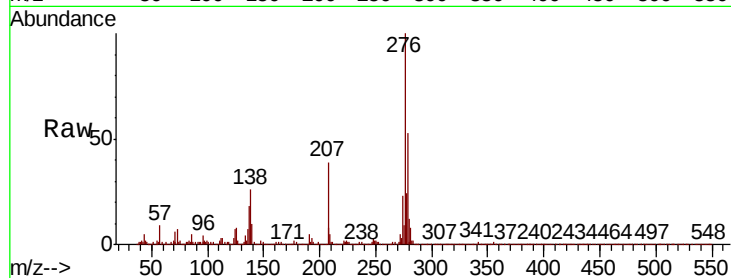
Tot Ion:276 Resp: 291505

Ion Ratio Lower Upper

276 100

138 28.8 21.2 31.8

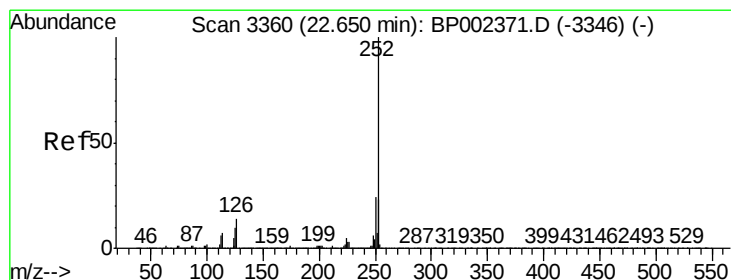
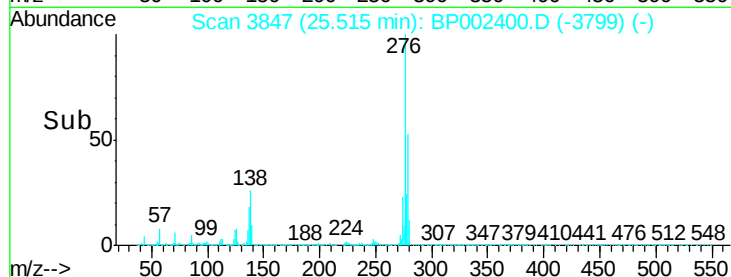
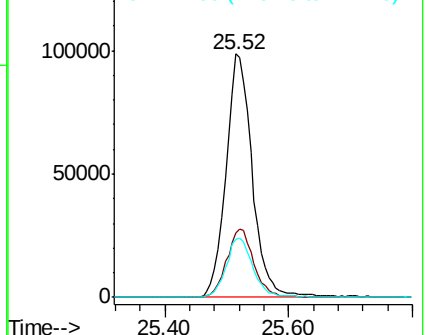
277 24.7 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 5.227 ng

RT: 22.64 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

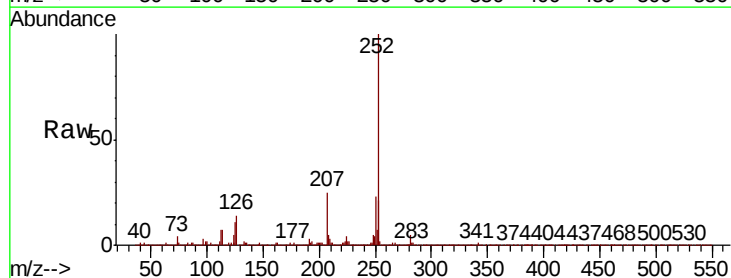
Tgt Ion:252 Resp: 249621

Ion Ratio Lower Upper

252 100

253 21.3 18.1 27.1

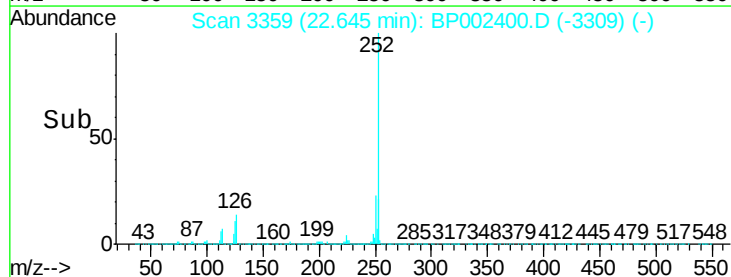
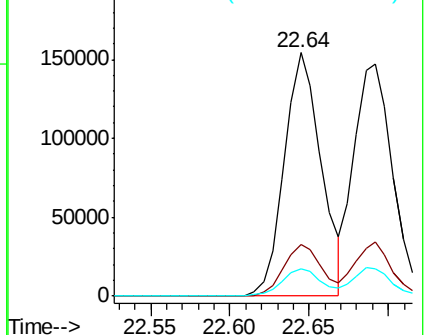
125 11.2 8.2 12.2

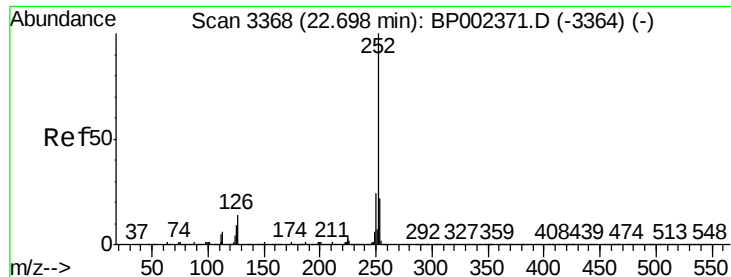


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.502 ng

RT: 22.64 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

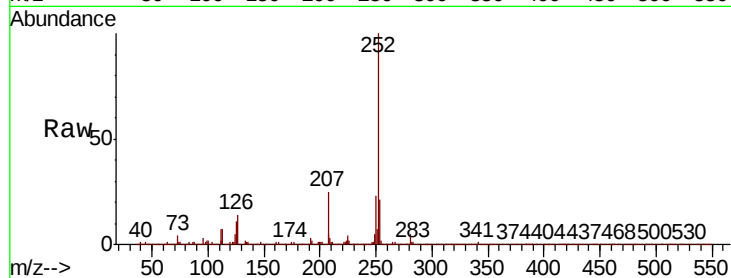
Tot Ion:252 Resp: 249621

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

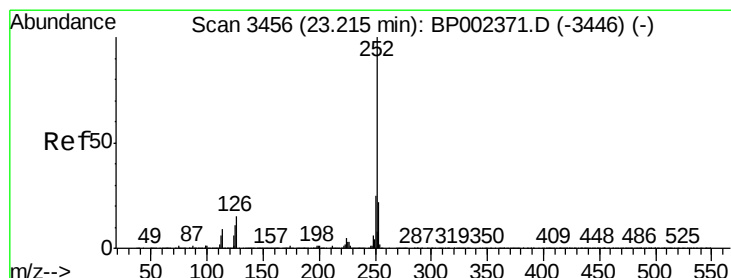
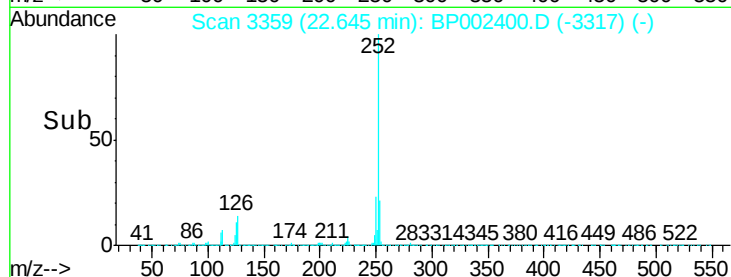
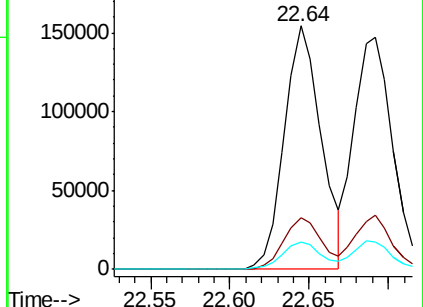
125 11.2 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 5.028 ng

RT: 23.20 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

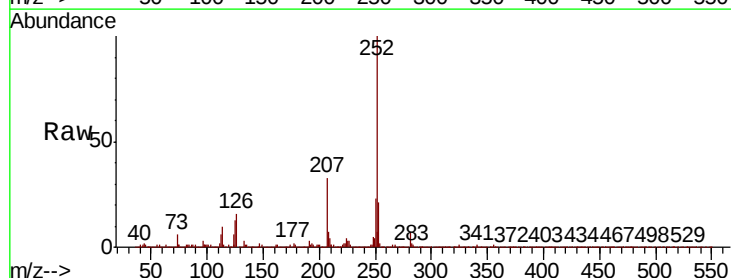
Tgt Ion:252 Resp: 225002

Ion Ratio Lower Upper

252 100

253 20.7 17.8 26.8

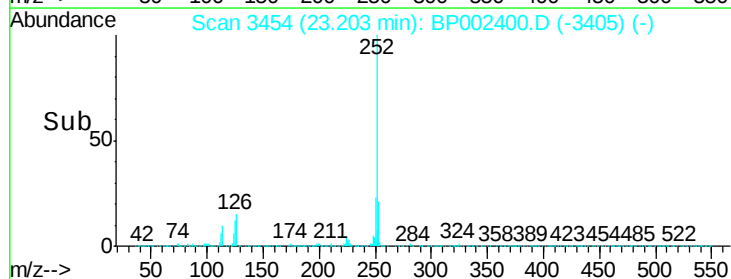
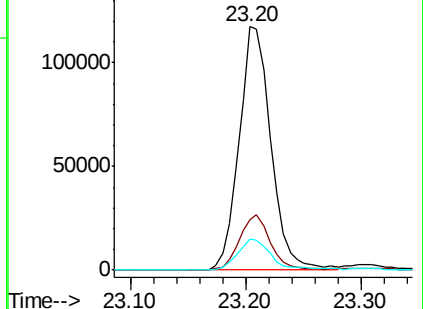
125 12.7 9.2 13.8

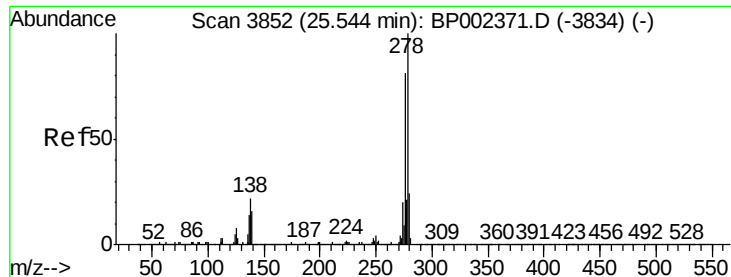


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 5.526 ng

RT: 25.53 min Scan# 3850

Delta R.T. -0.01 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2020

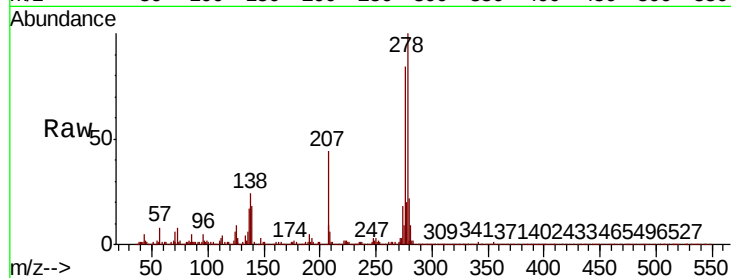
Tot Ion:278 Resp: 245516

Ion Ratio Lower Upper

278 100

139 17.5 13.1 19.7

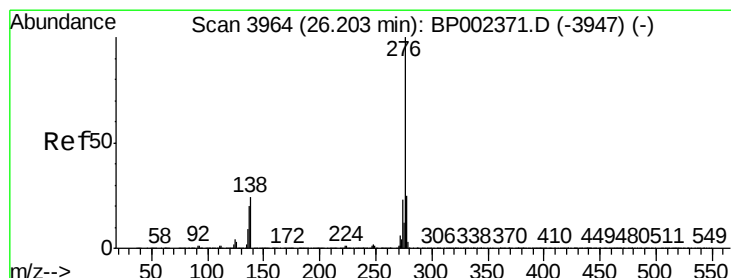
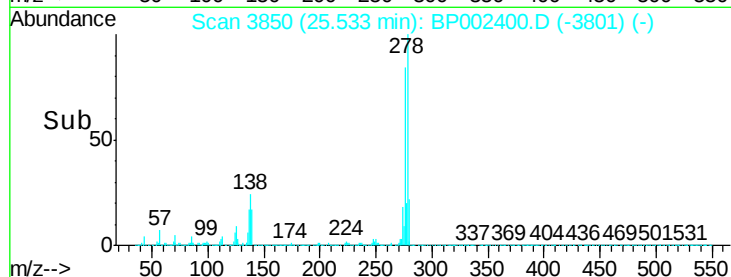
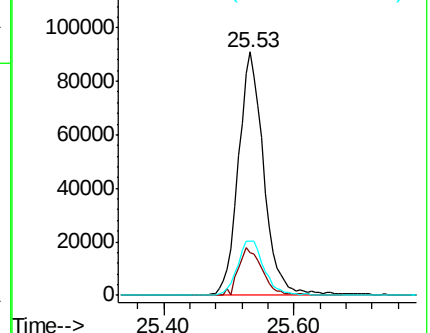
279 22.3 18.9 28.3



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: 5.329 ng

RT: 26.19 min Scan# 3961

Delta R.T. -0.02 min

Lab File: BP002400.D

Acq: 12 Jun 2020 16:14

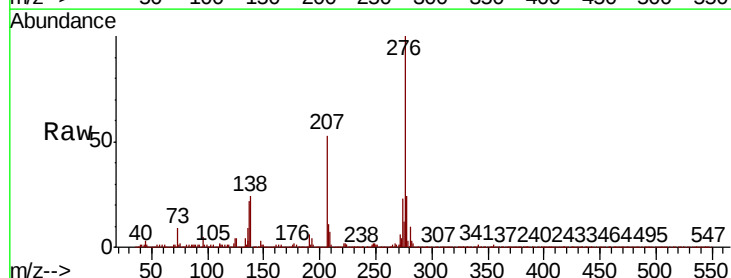
Tgt Ion:276 Resp: 245198

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.6

138 24.2 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

