

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061120\
 Data File : BP002392.D
 Acq On : 11 Jun 2020 15:55
 Operator : CG/JU
 Sample : L1161-03
 Misc : MDL-MDL-S-8PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

Quant Time: Jun 11 16:27:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 15:13:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	145489	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	571805	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	353802	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	776790	20.00	ng	0.00
76) Chrysene-d12	21.11	240	746410	20.00	ng	0.00
86) Perylene-d12	23.31	264	820757	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	1322702	168.23	ng	0.00
7) Phenol-d6	6.78	99	1783126	170.34	ng	0.00
23) Nitrobenzene-d5	8.74	82	1189999	124.28	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	635448	187.59	ng	0.00
45) 2-Fluorobiphenyl	12.86	172	2409300	114.50	ng	0.00
79) Terphenyl-d14	19.59	244	3352362	117.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.16	88	32363	8.936	ng	98
3) Pyridine	3.55	79	74703	7.589	ng	98
4) n-Nitrosodimethylamine	3.46	42	32224	7.944	ng	# 98
6) Aniline	6.92	93	119683	8.407	ng	98
8) 2-Chlorophenol	7.16	128	74117	8.384	ng	98
9) Benzaldehyde	6.74	77	70334	13.150	ng	99
10) Phenol	6.80	94	96401	8.491	ng	98
11) bis(2-Chloroethyl)ether	7.03	93	78217	8.252	ng	96
12) 1,3-Dichlorobenzene	7.48	146	82032	8.058	ng	95
13) 1,4-Dichlorobenzene	7.63	146	82607	8.065	ng	97
14) 1,2-Dichlorobenzene	7.94	146	79405	8.093	ng	98
15) Benzyl Alcohol	7.83	79	59276	7.306	ng	97
16) 2,2'-oxybis(1-Chloropropan	8.13	45	107089	7.962	ng	98
17) 2-Methylphenol	8.04	107	59858	7.215	ng	98
18) Hexachloroethane	8.66	117	29747	7.972	ng	89
19) n-Nitroso-di-n-propylamine	8.40	70	59115	8.448	ng	97
20) 3+4-Methylphenols	8.37	107	80012	7.146	ng	94
22) Acetophenone	8.40	105	121325	9.444	ng	99
24) Nitrobenzene	8.78	77	92987	9.034	ng	99
25) Isophorone	9.30	82	164827	8.452	ng	97
26) 2-Nitrophenol	9.49	139	33771	7.363	ng	96
27) 2,4-Dimethylphenol	9.56	122	55014	7.646	ng	98
28) bis(2-Chloroethoxy)methane	9.79	93	104316	8.981	ng	99
29) 2,4-Dichlorophenol	10.02	162	63612	7.854	ng	98
30) 1,2,4-Trichlorobenzene	10.24	180	75746	8.390	ng	94
31) Naphthalene	10.42	128	237576	8.943	ng	100
32) Benzoic acid	9.64	122	9441	1.725	ng	86
33) 4-Chloroaniline	10.53	127	93365	8.051	ng	98
34) Hexachlorobutadiene	10.72	225	41888	7.951	ng	99
35) Caprolactam	11.26	113	22673	7.937	ng	98
36) 4-Chloro-3-methylphenol	11.67	107	70516	8.047	ng	99
37) 2-Methylnaphthalene	12.04	142	171785	9.111	ng	98
38) 1-Methylnaphthalene	12.26	142	161475	9.124	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.42	216	87173	9.347	ng	99

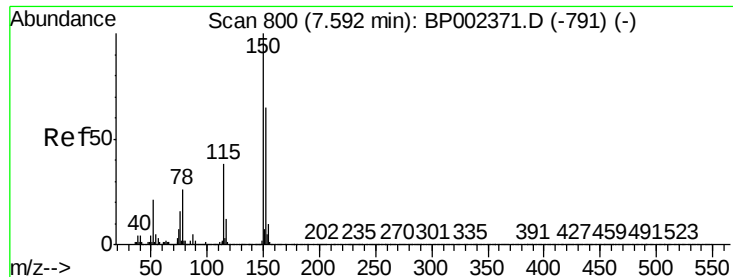
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061120\
 Data File : BP002392.D
 Acq On : 11 Jun 2020 15:55
 Operator : CG/JU
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 ALS Vial : 4 Sample Multiplier: 1

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 ClientSampleId :
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.40	237	34155	6.888	ng	97
43) 2,4,6-Trichlorophenol	12.66	196	49465	7.494	ng	99
44) 2,4,5-Trichlorophenol	12.73	196	54069	7.074	ng	99
46) 1,1'-Biphenyl	13.07	154	224382	9.677	ng	98
47) 2-Chloronaphthalene	13.10	162	165211	8.710	ng	99
48) 2-Nitroaniline	13.31	65	42323	6.990	ng	95
49) Acenaphthylene	13.96	152	263159	8.693	ng	99
50) Dimethylphthalate	13.70	163	212180	8.752	ng	98
51) 2,6-Dinitrotoluene	13.82	165	40109	7.618	ng	94
52) Acenaphthene	14.30	154	157938	8.906	ng	100
53) 3-Nitroaniline	14.15	138	39939	6.644	ng	95
54) 2,4-Dinitrophenol	14.36	184	11723	4.060	ng	91
55) Dibenzofuran	14.65	168	259040	9.072	ng	99
56) 4-Nitrophenol	14.47	139	28970	6.069	ng	97
57) 2,4-Dinitrotoluene	14.61	165	49668	6.931	ng	90
58) Fluorene	15.30	166	201854	8.988	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.88	232	47552	7.838	ng	98
60) Diethylphthalate	15.09	149	205330	8.453	ng	98
61) 4-Chlorophenyl-phenylether	15.30	204	102837	9.446	ng	97
62) 4-Nitroaniline	15.32	138	40590	7.027	ng	93
63) Azobenzene	15.60	77	217673	9.003	ng	98
65) 4,6-Dinitro-2-methylphenol	15.39	198	23878	5.825	ng	98
66) n-Nitrosodiphenylamine	15.52	169	174027	8.770	ng	97
67) 4-Bromophenyl-phenylether	16.20	248	60300	8.194	ng	95
68) Hexachlorobenzene	16.32	284	65632	8.405	ng	93
69) Atrazine	16.48	200	63188	9.761	ng	98
70) Pentachlorophenol	16.66	266	27555	5.898	ng	99
71) Phenanthrene	17.05	178	338638	9.319	ng	98
72) Anthracene	17.13	178	325526	9.018	ng	98
73) Carbazole	17.40	167	299036	8.421	ng	100
74) Di-n-butylphthalate	17.99	149	324378	7.719	ng	98
75) Fluoranthene	19.03	202	380548	8.774	ng	98
77) Benzidine	19.21	184	172001	10.313	ng	100
78) Pyrene	19.38	202	406968	8.901	ng	99
80) Butylbenzylphthalate	20.28	149	137418	6.761	ng	98
81) Benzo(a)anthracene	21.09	228	389838	9.150	ng	96
82) 3,3'-Dichlorobenzidine	21.03	252	137466	8.682	ng	99
83) Chrysene	21.15	228	384128	9.516	ng	98
84) Bis(2-ethylhexyl)phthalate	21.05	149	230358	7.792	ng	96
85) Di-n-octyl phthalate	21.92	149	371932	7.173	ng	98
87) Indeno(1,2,3-cd)pyrene	25.52	276	424177	8.263	ng	97
88) Benzo(b)fluoranthene	22.65	252	375986	8.495	ng	99
89) Benzo(k)fluoranthene	22.69	252	375045	8.918	ng	96
90) Benzo(a)pyrene	23.21	252	335416	8.087	ng	97
91) Dibenzo(a,h)anthracene	25.54	278	356013	8.645	ng	98
92) Benzo(g,h,i)perylene	26.20	276	351947	8.252	ng	97

(#) = 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: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

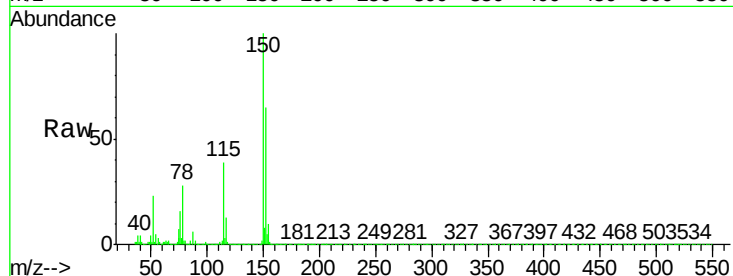
Tot Ion:152 Resp: 145489

Ion Ratio Lower Upper

152 100

150 153.5 124.0 186.0

115 59.6 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

200000

150000

100000

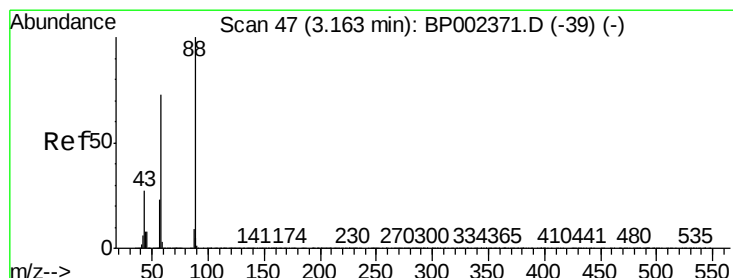
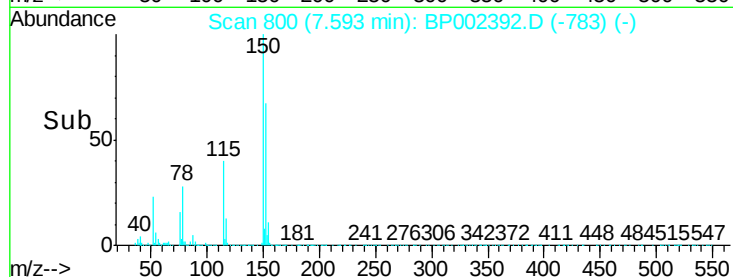
50000

0

7.59

7.50 7.55 7.60 7.65 7.70

Time-->



#2

1,4-Dioxane

Concen: 8.936 ng

RT: 3.16 min Scan# 47

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

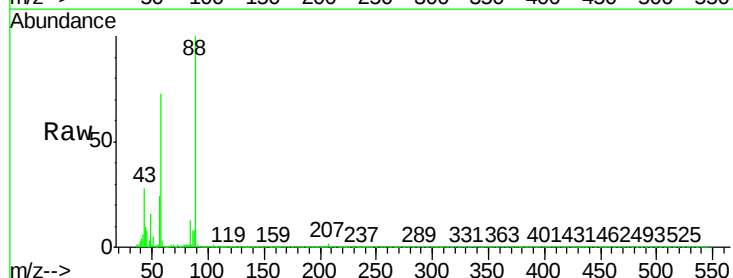
Tgt Ion: 88 Resp: 32363

Ion Ratio Lower Upper

88 100

58 73.8 58.2 87.4

43 29.5 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

30000

20000

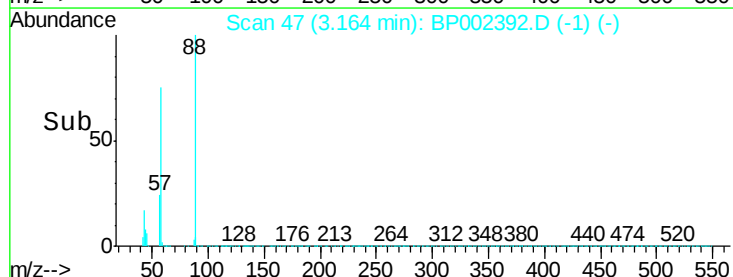
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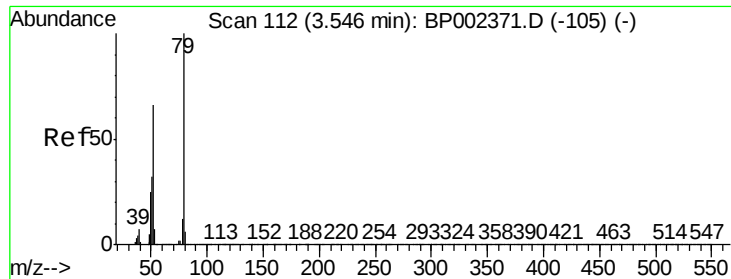
0

3.16

3.10 3.20 3.30

Time-->

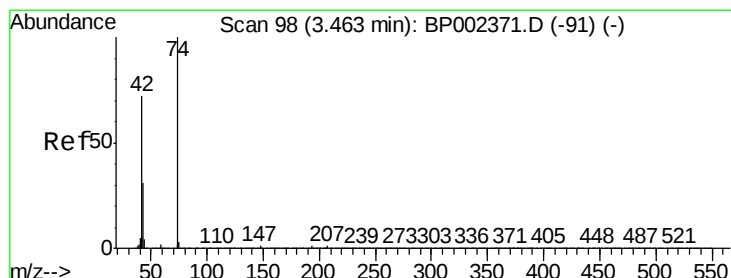
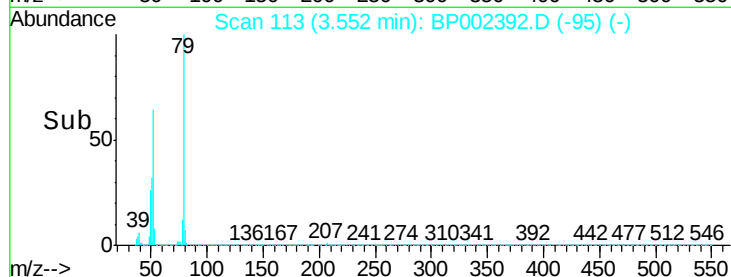
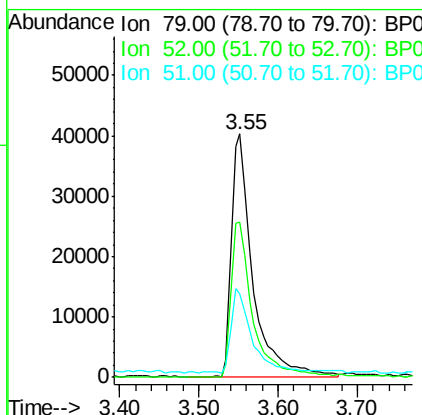
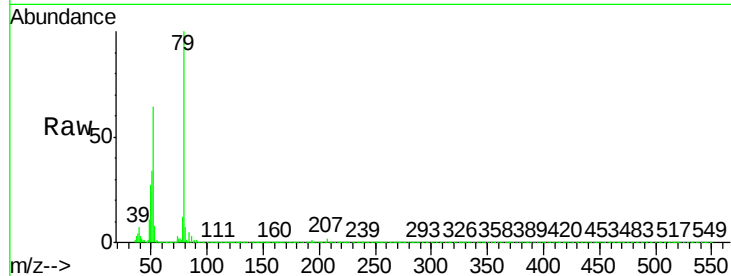




#3
 Pvridine
 Concen: 7.589 ng
 RT: 3.55 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 15:55

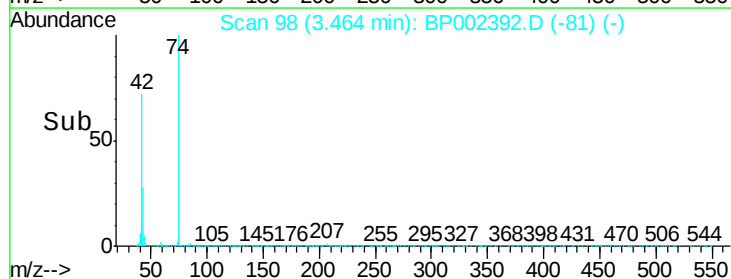
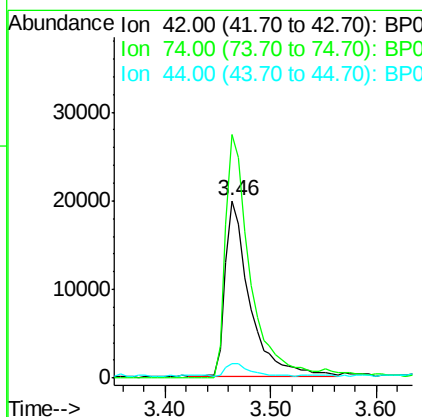
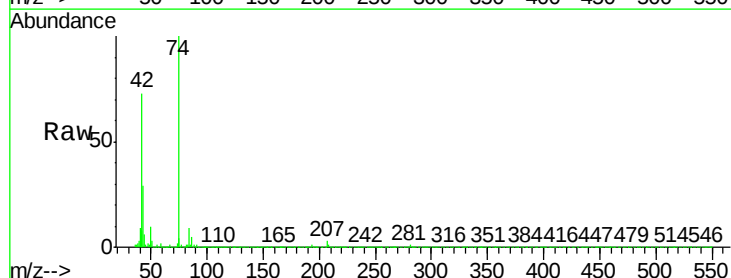
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

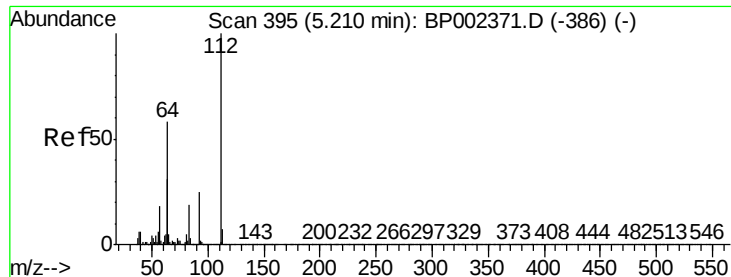
Tot Ion: 79 Resp: 74703
 Ion Ratio Lower Upper
 79 100
 52 63.9 52.5 78.7
 51 34.3 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 7.944 ng
 RT: 3.46 min Scan# 98
 Delta R.T. 0.00 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 15:55

Tgt Ion: 42 Resp: 32224
 Ion Ratio Lower Upper
 42 100
 74 137.2 111.1 166.7
 44 8.2 5.4 8.0#





#5

2-Fluorophenol

Concen: 168.229 ng

RT: 5.21 min Scan# 395

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

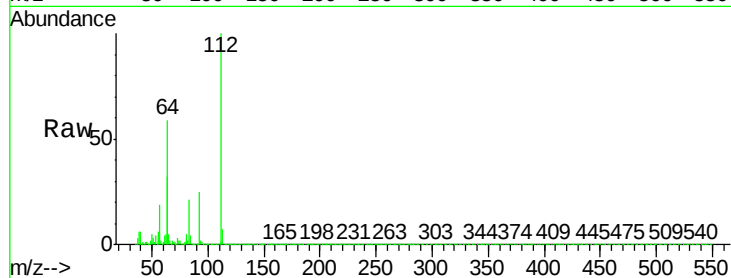
Tot Ion:112 Resp: 1322702

Ion Ratio Lower Upper

112 100

64 58.9 46.2 69.2

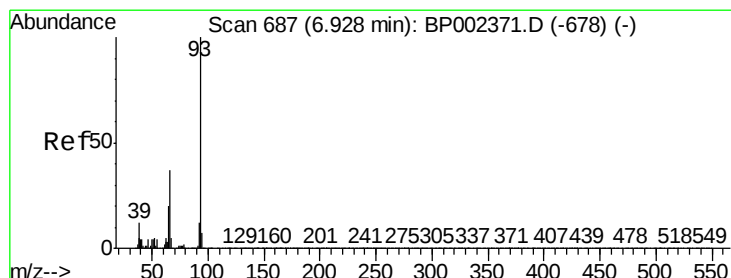
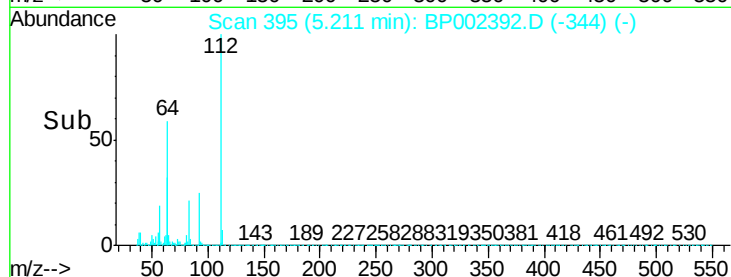
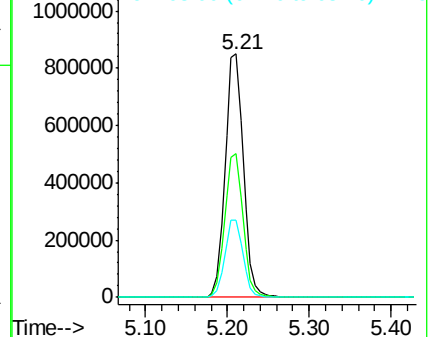
63 31.7 24.5 36.7



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: 8.407 ng

RT: 6.92 min Scan# 686

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

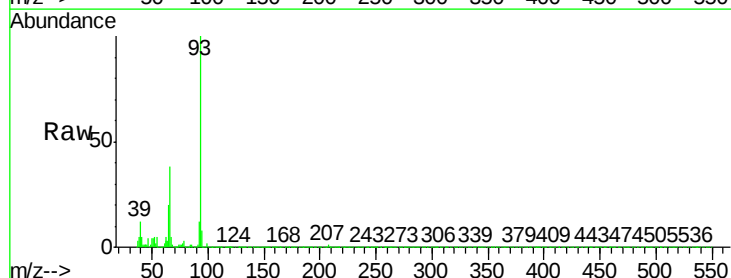
Tgt Ion: 93 Resp: 119683

Ion Ratio Lower Upper

93 100

66 38.4 29.8 44.6

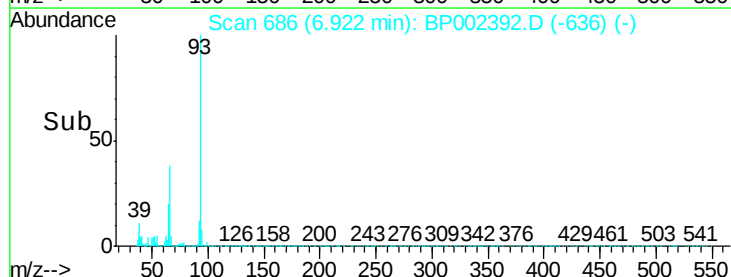
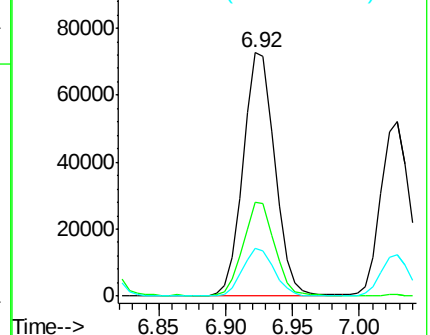
65 19.9 15.7 23.5

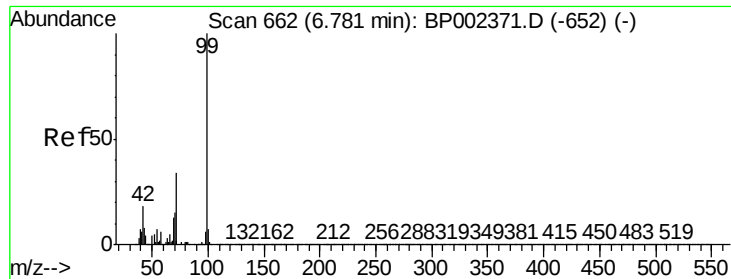


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 170.339 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

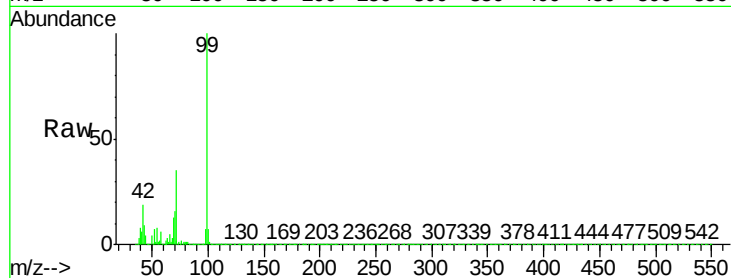
Tot Ion: 99 Resp: 1783126

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.6	22.0
71	34.6	27.2	40.8

99 100

42 18.5 14.6 22.0

71 34.6 27.2 40.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

1500000 Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

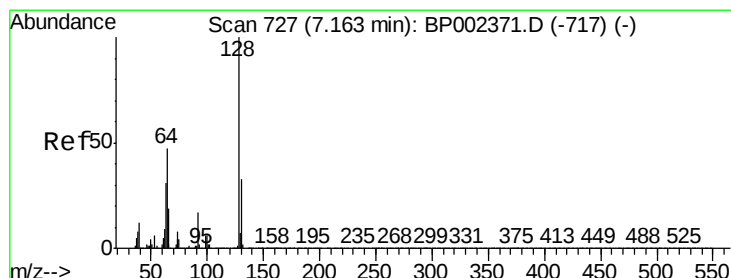
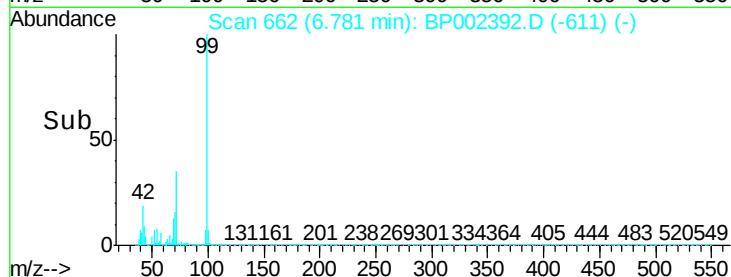
6.78

1000000

500000

0

Time--> 6.60 6.70 6.80 6.90 7.00



#8

2-Chlorophenol

Concen: 8.384 ng

RT: 7.16 min Scan# 727

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

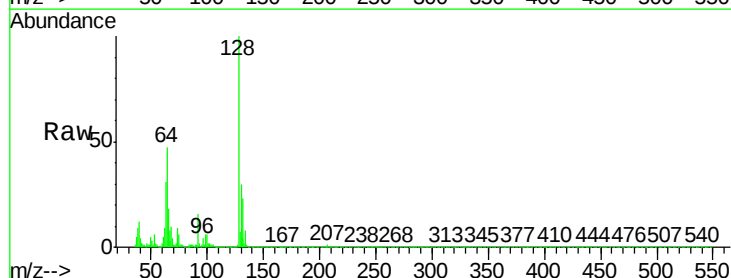
Tgt Ion: 128 Resp: 74117

Ion	Ratio	Lower	Upper
128	100		
130	30.4	12.5	52.5
64	47.1	27.7	67.7

128 100

130 30.4 12.5 52.5

64 47.1 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

7.16

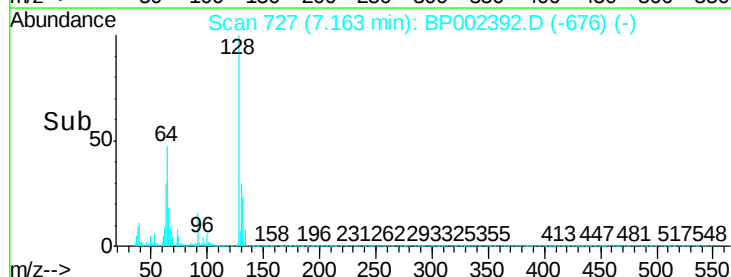
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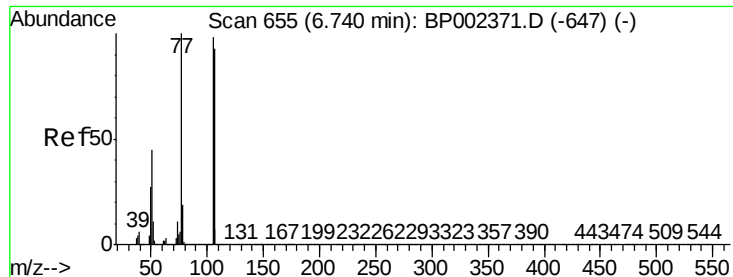
40000

20000

0

Time--> 7.10 7.20 7.30





#9

Benzaldehyde

Concen: 13.150 ng

RT: 6.74 min Scan# 655

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

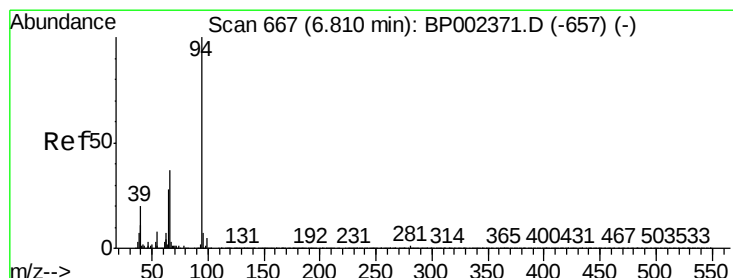
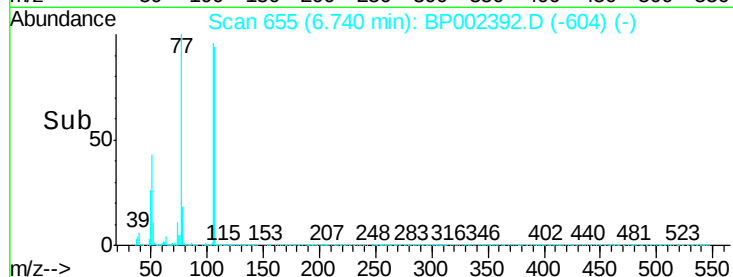
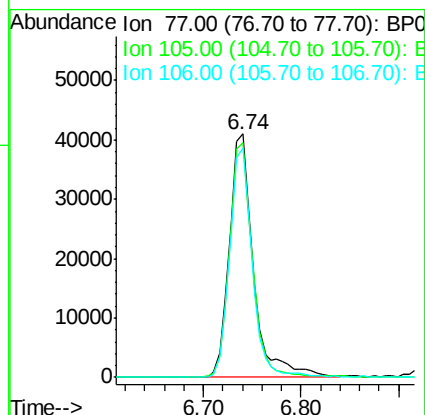
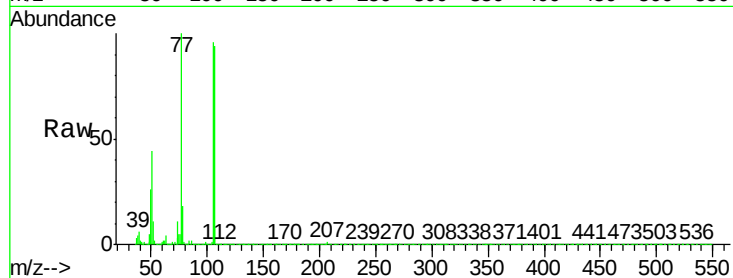
Tot Ion: 77 Resp: 70334

Ion Ratio Lower Upper

77 100

105 96.4 78.1 118.1

106 94.0 73.2 113.2



#10

Phenol

Concen: 8.491 ng

RT: 6.80 min Scan# 666

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

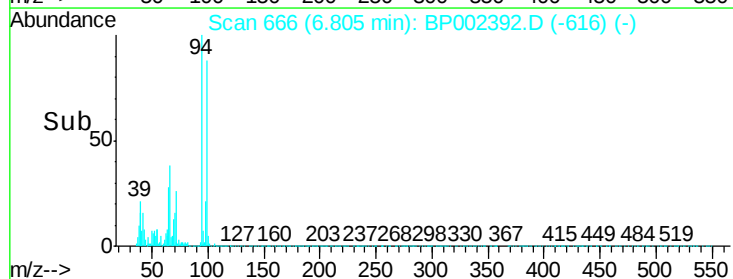
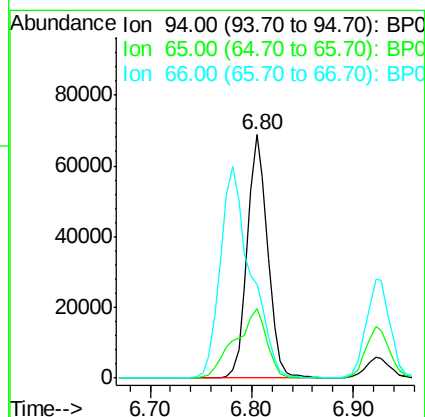
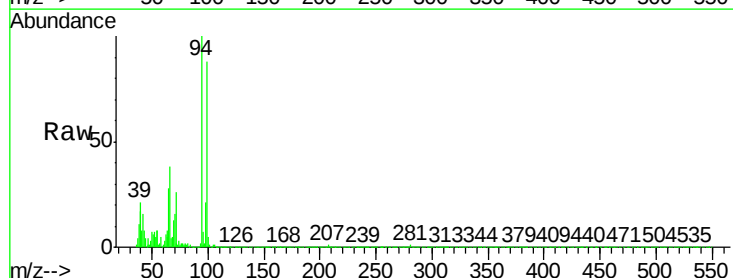
Tgt Ion: 94 Resp: 96401

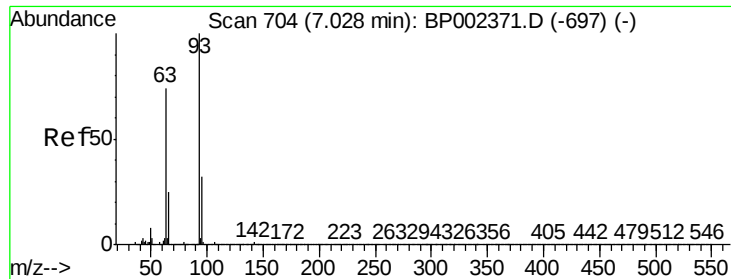
Ion Ratio Lower Upper

94 100

65 28.5 7.7 47.7

66 38.3 16.9 56.9

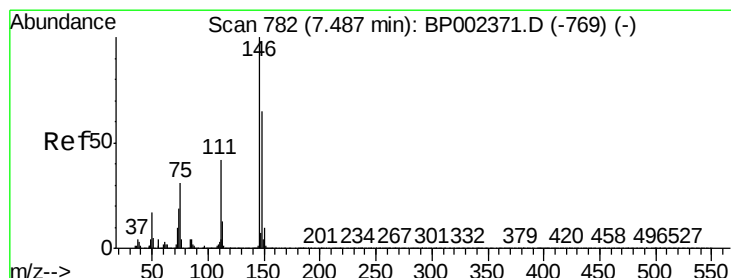
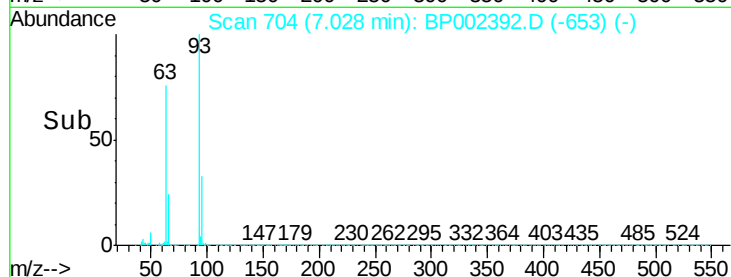
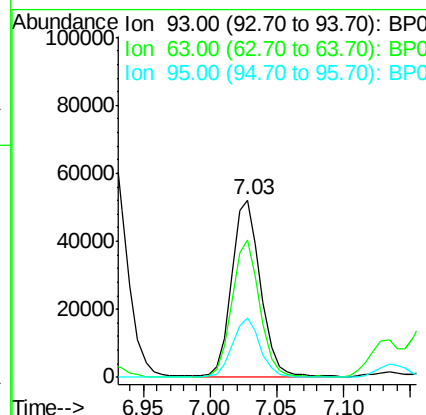
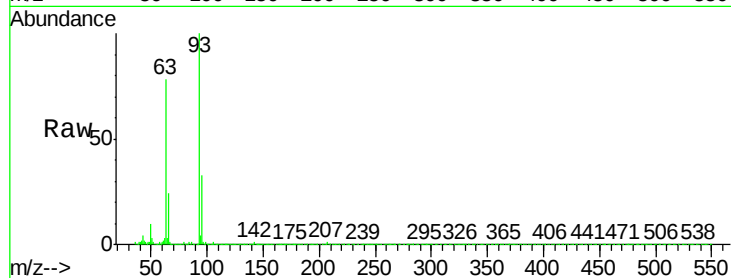




#11
bis(2-Chloroethyl)ether
Concen: 8.252 ng
RT: 7.03 min Scan# 704
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

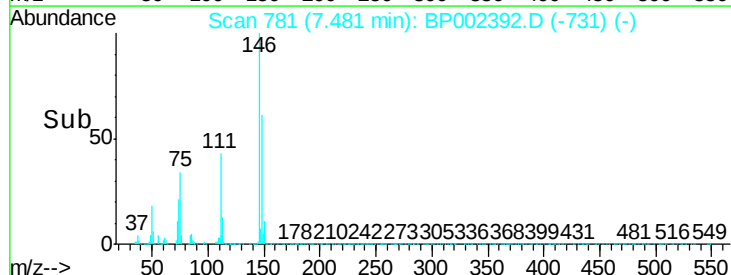
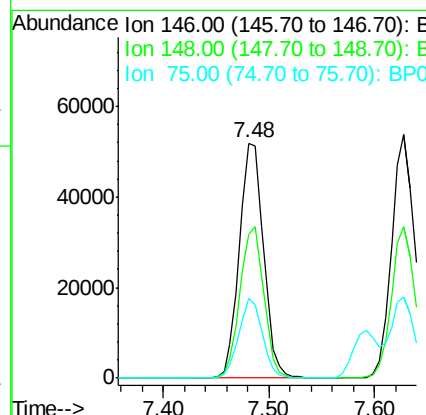
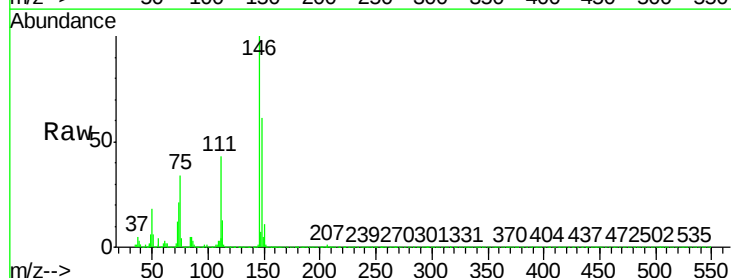
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

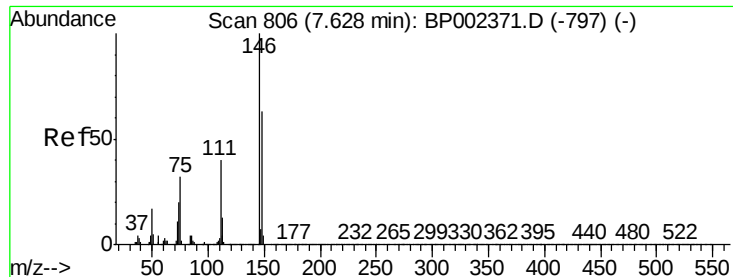
Tot Ion	Ratio	Lower	Upper
93	100		
63	77.6	54.2	94.2
95	33.1	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 8.058 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.0	51.6	77.4
75	34.2	25.0	37.4





#13

1,4-Dichlorobenzene

Concen: 8.065 ng

RT: 7.63 min Scan# 806

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

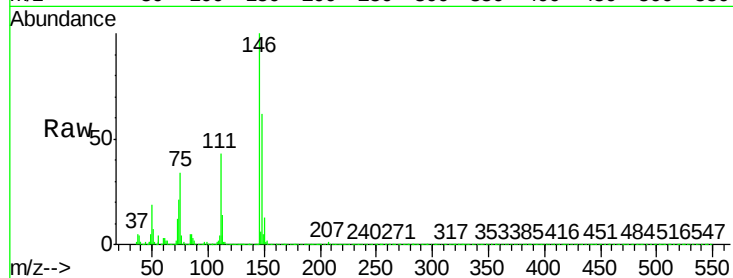
Tot Ion:146 Resp: 82607

Ion Ratio Lower Upper

146 100

148 62.1 50.7 76.1

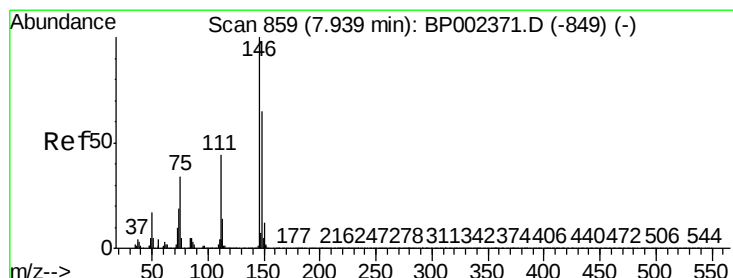
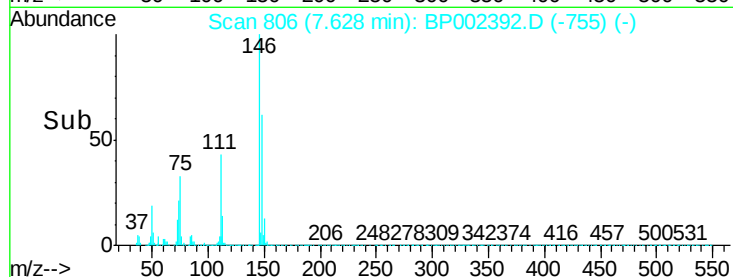
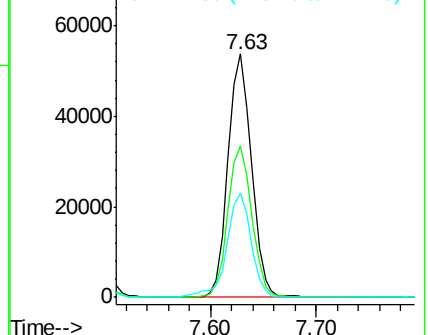
111 42.5 32.2 48.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 8.093 ng

RT: 7.94 min Scan# 859

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

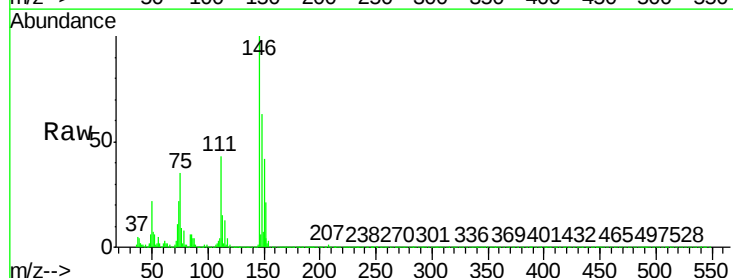
Tgt Ion:146 Resp: 79405

Ion Ratio Lower Upper

146 100

148 62.9 51.8 77.6

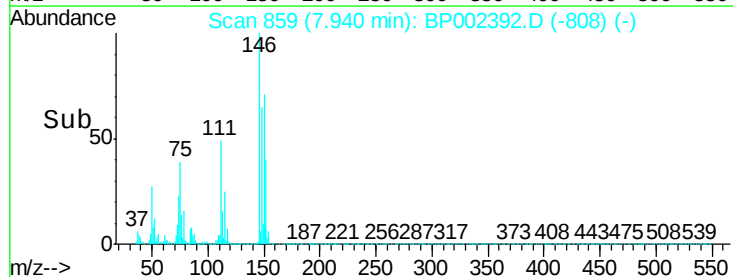
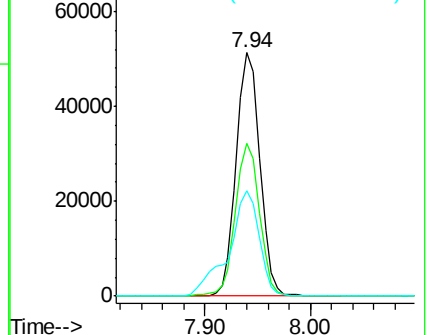
111 43.5 35.4 53.2

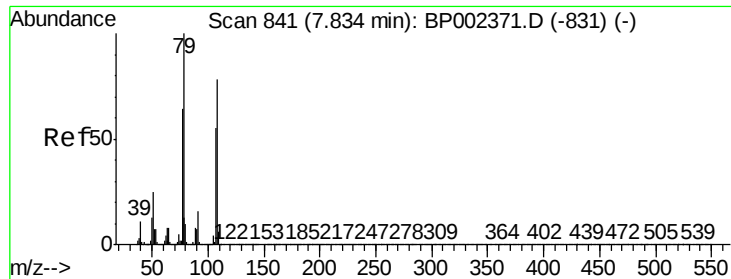


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 7.306 ng

RT: 7.83 min Scan# 840

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

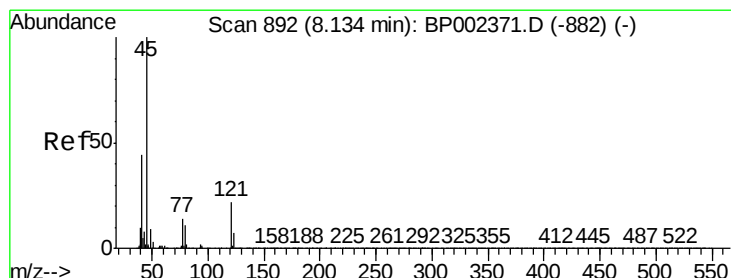
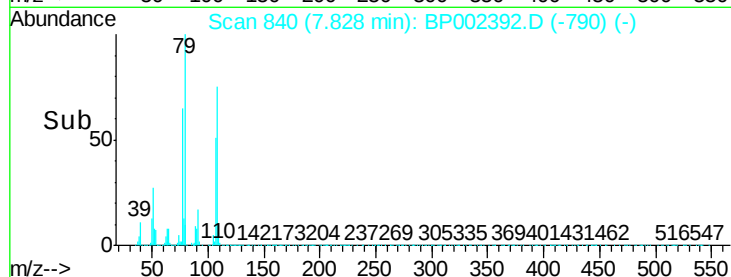
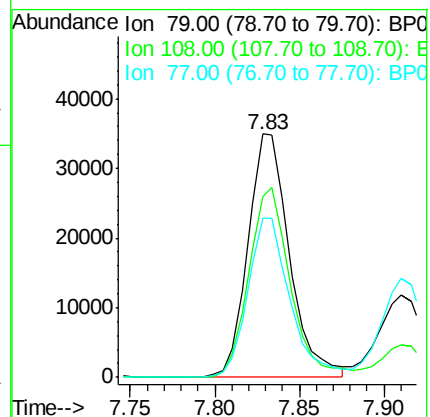
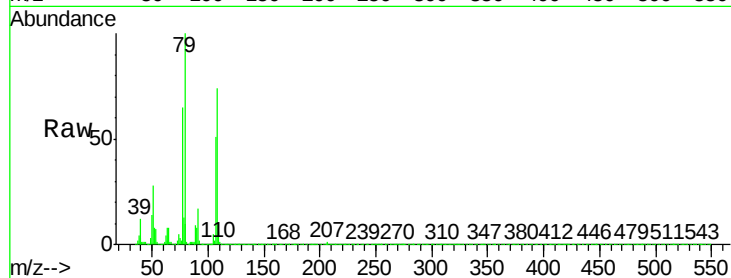
Tot Ion: 79 Resp: 59276

Ion Ratio Lower Upper

79 100

108 74.4 62.6 94.0

77 65.5 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 7.962 ng

RT: 8.13 min Scan# 891

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

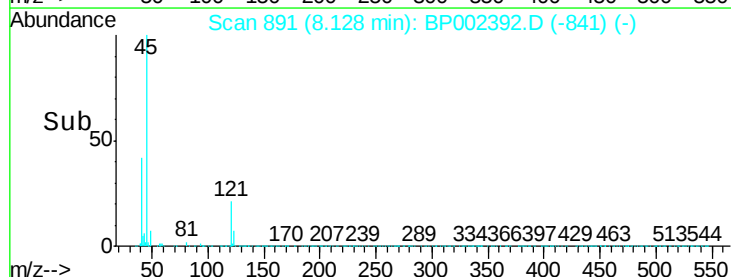
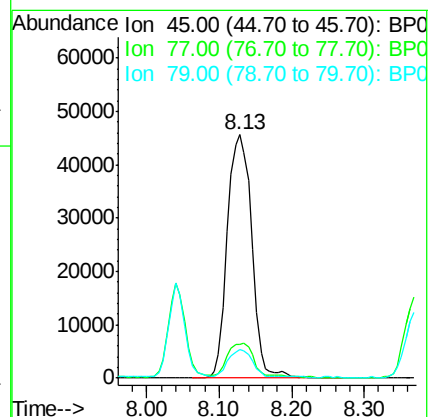
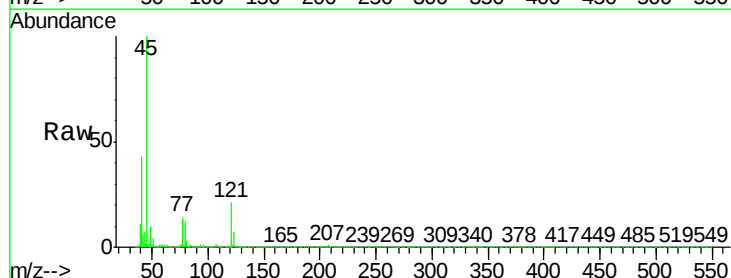
Tgt Ion: 45 Resp: 107089

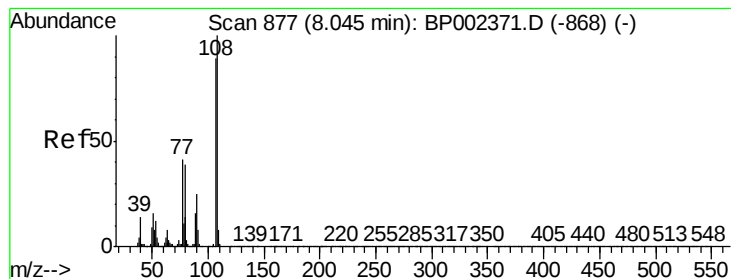
Ion Ratio Lower Upper

45 100

77 13.8 0.0 35.0

79 11.9 0.0 32.0





#17

2-Methylphenol

Concen: 7.215 ng

RT: 8.04 min Scan# 876

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:107 Resp: 59858

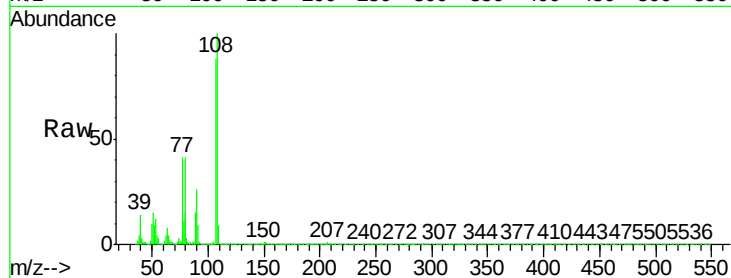
Ion Ratio Lower Upper

107 100

108 114.1 90.3 135.5

77 47.3 37.1 55.7

79 47.1 35.8 53.6

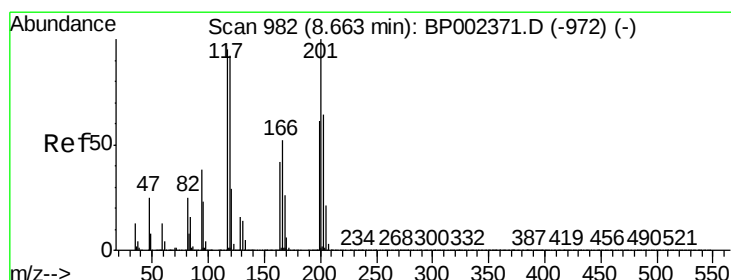
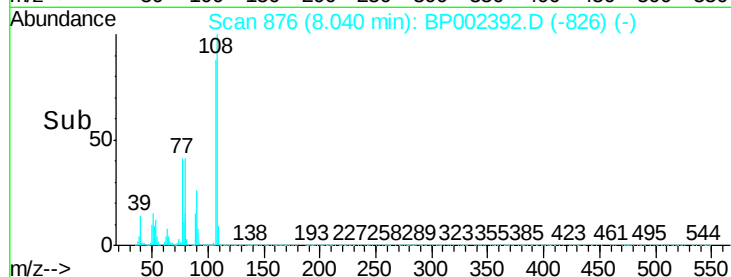
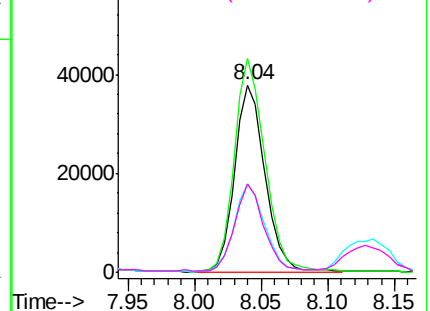


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#18

Hexachloroethane

Concen: 7.972 ng

RT: 8.66 min Scan# 982

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

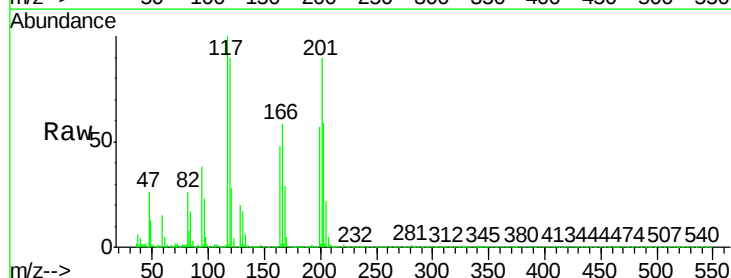
Tgt Ion:117 Resp: 29747

Ion Ratio Lower Upper

117 100

119 90.3 77.8 116.8

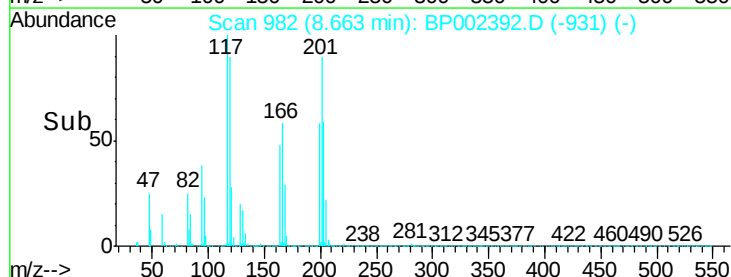
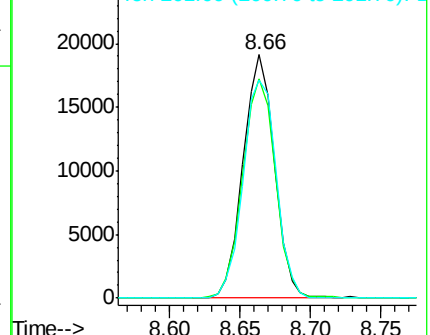
201 89.7 84.2 126.4

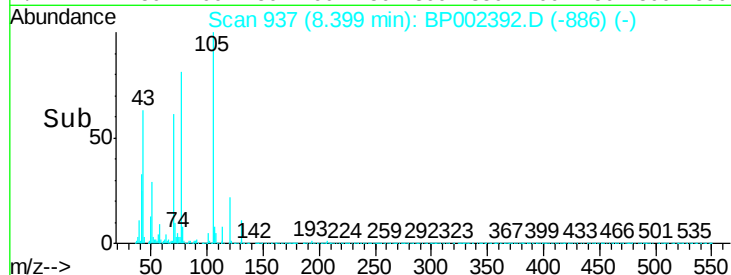
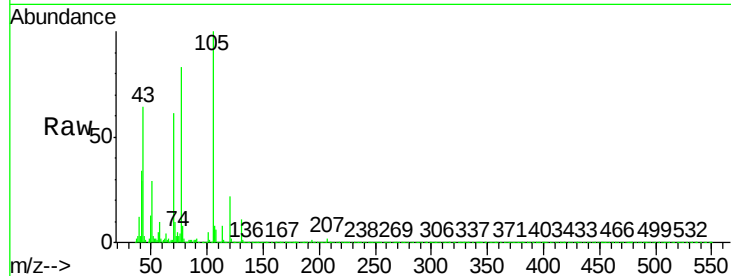
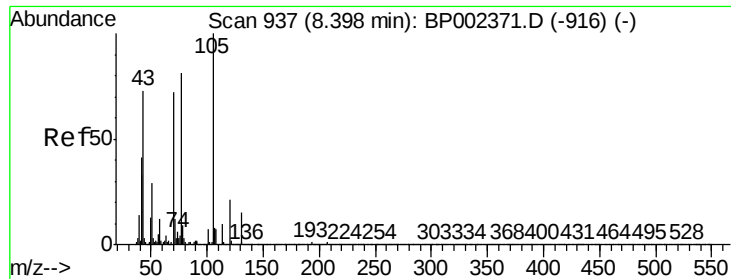


Abundance Ion 117.00 (116.70 to 117.70): E

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: 8.448 ng

RT: 8.40 min Scan# 937

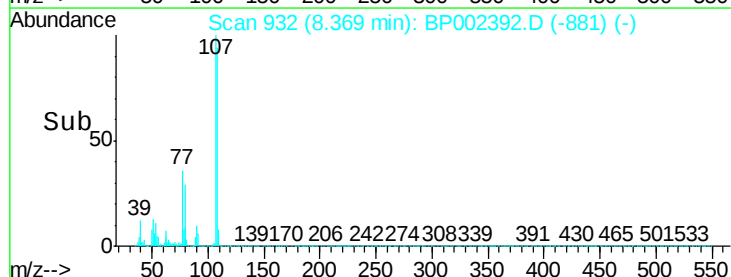
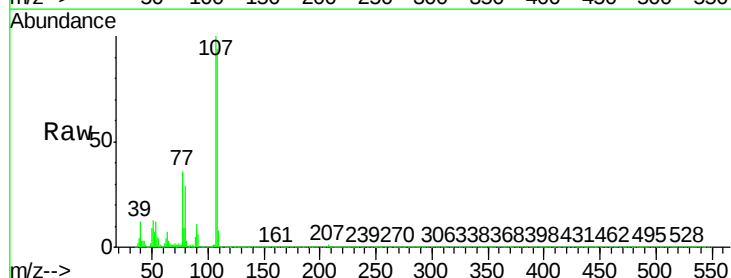
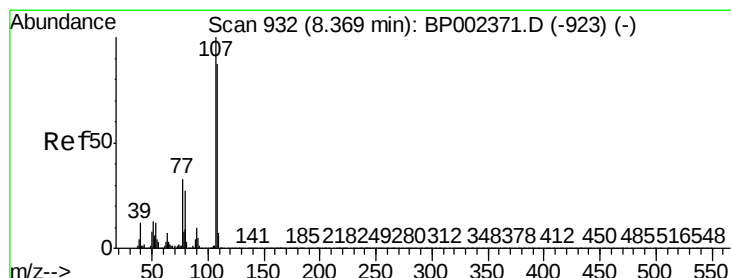
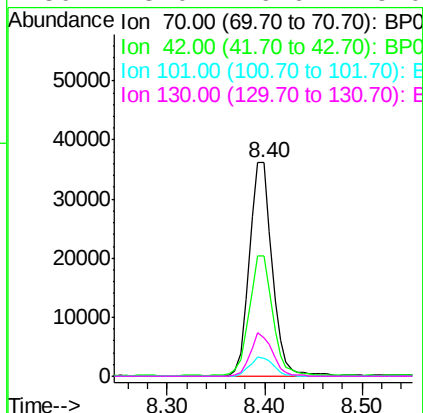
Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:	70	Resp:	59115
Ion	Ratio	Lower	Upper
70	100		
42	56.1	45.7	68.5
101	8.4	7.5	11.3
130	18.0	16.6	25.0



#20

3+4-Methylphenols

Concen: 7.146 ng

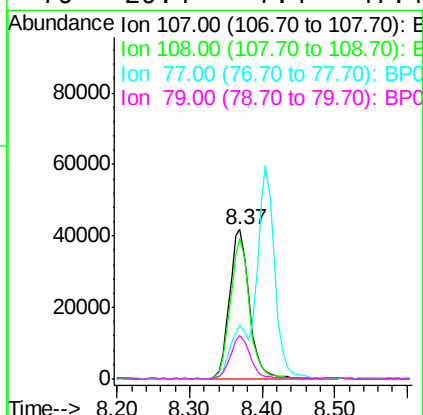
RT: 8.37 min Scan# 932

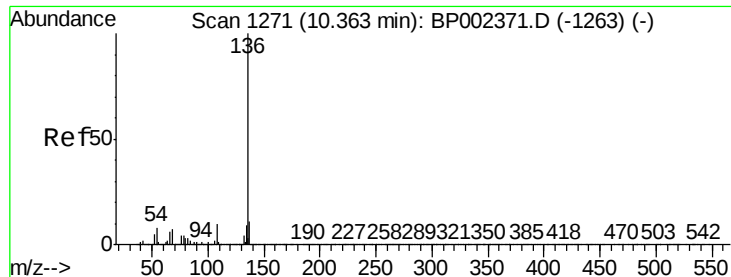
Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Tgt Ion:	107	Resp:	80012
Ion	Ratio	Lower	Upper
107	100		
108	93.8	67.5	107.5
77	36.3	13.5	53.5
79	29.4	7.4	47.4

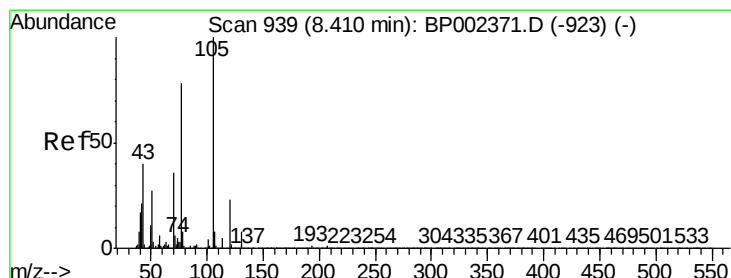
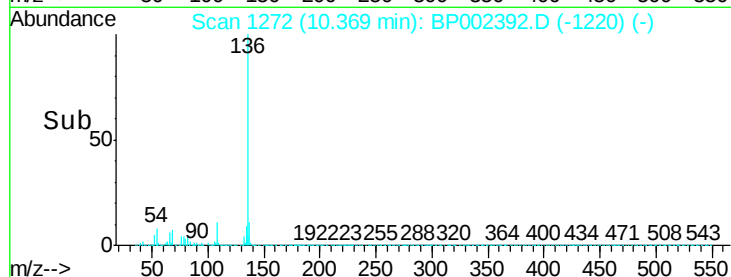
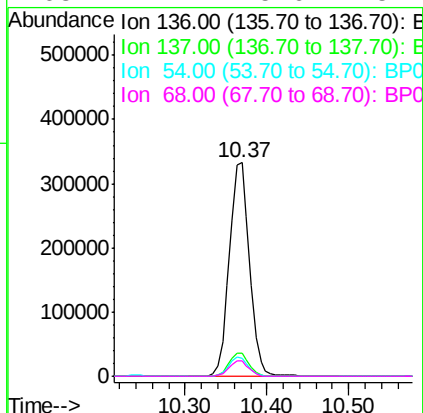
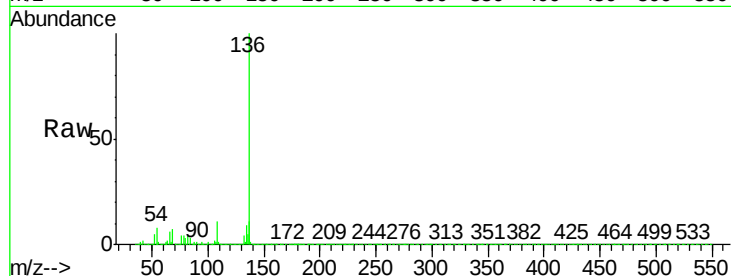




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.37 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

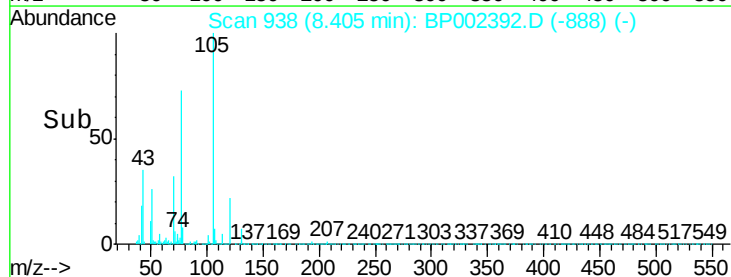
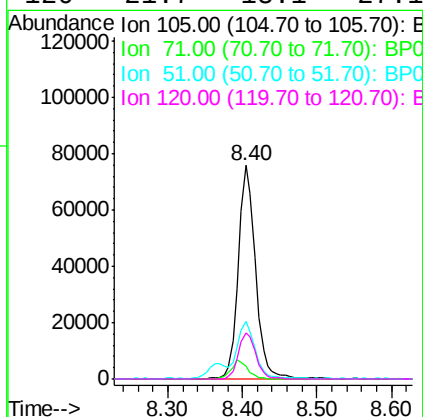
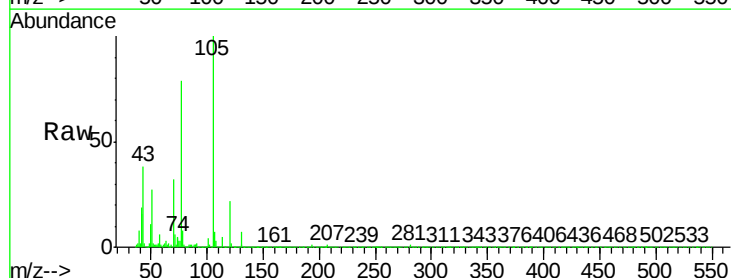
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

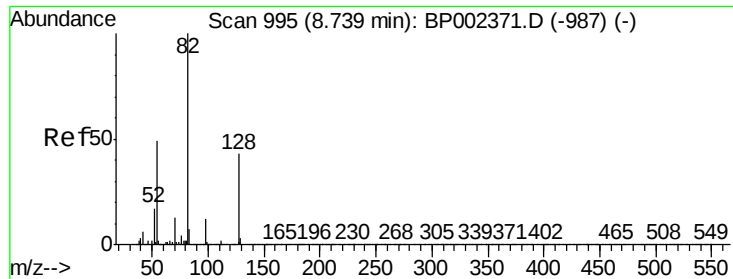
Tot Ion:136	Resp:	571805
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.8 13.2
54	8.4	6.4 9.6
68	7.1	5.6 8.4



#22
Acetophenone
Concen: 9.444 ng
RT: 8.40 min Scan# 938
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:105	Resp:	121325
Ion	Ratio	Lower Upper
105	100	
71	5.8	4.7 7.1
51	27.3	21.4 32.0
120	21.7	18.1 27.1

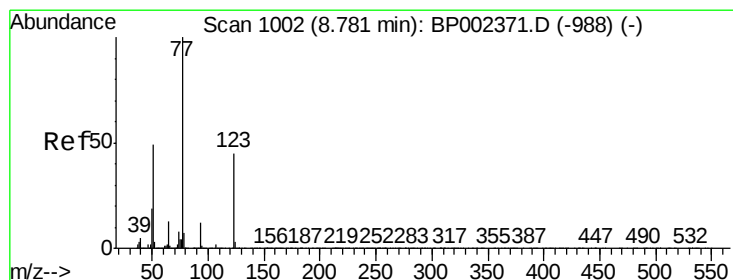
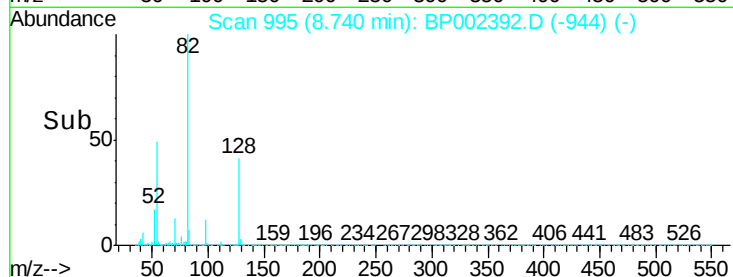
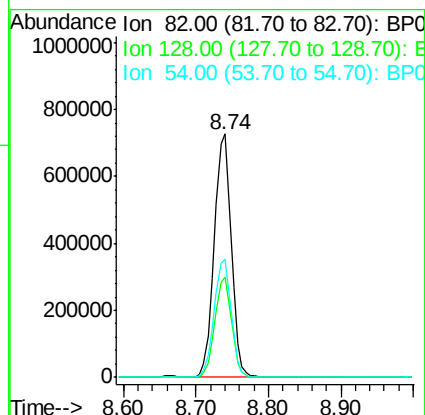
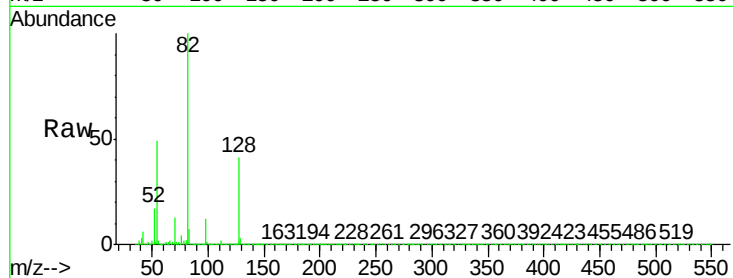




#23
Nitrobenzene-d5
Concen: 124.283 ng
RT: 8.74 min Scan# 995
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

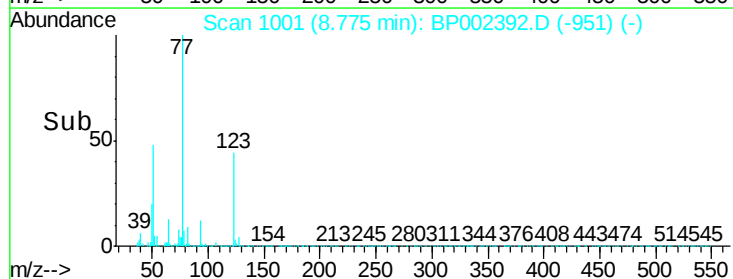
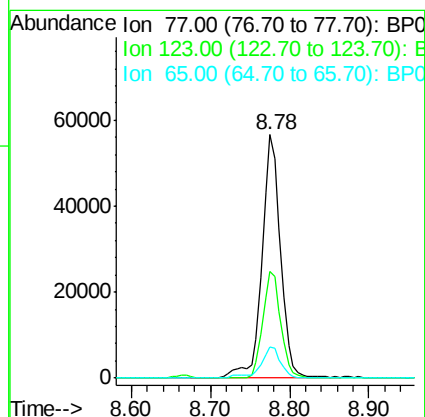
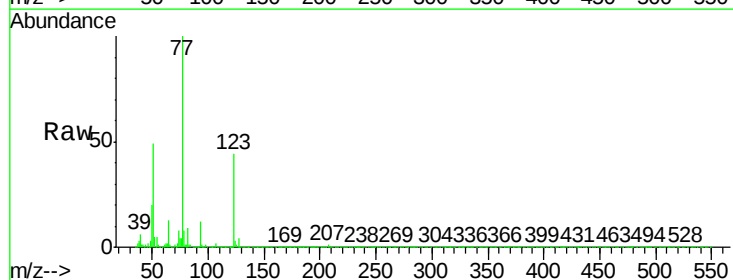
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

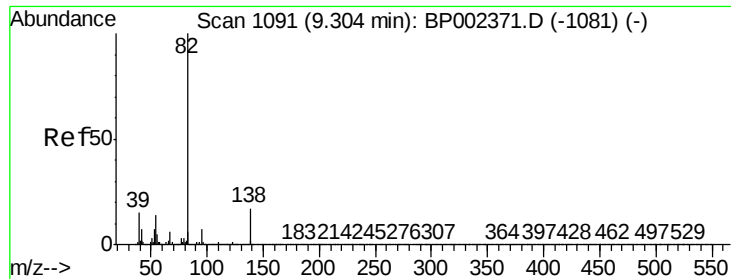
Tot Ion: 82 Resp: 1189999
Ion Ratio Lower Upper
82 100
128 41.1 34.5 51.7
54 48.7 39.4 59.2



#24
Nitrobenzene
Concen: 9.034 ng
RT: 8.78 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion: 77 Resp: 92987
Ion Ratio Lower Upper
77 100
123 43.9 35.8 53.8
65 13.0 10.5 15.7





#25

Isophorone

Concen: 8.452 ng

RT: 9.30 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

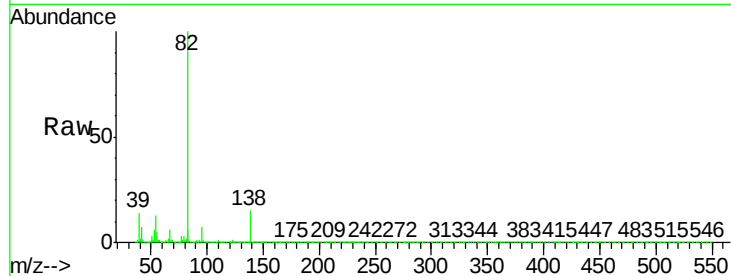
Tot Ion: 82 Resp: 164827

Ion Ratio Lower Upper

82 100

95 6.8 5.4 8.2

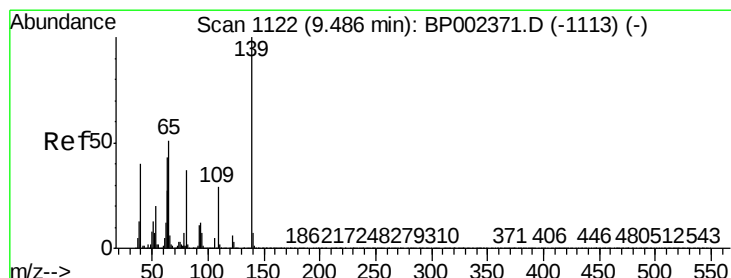
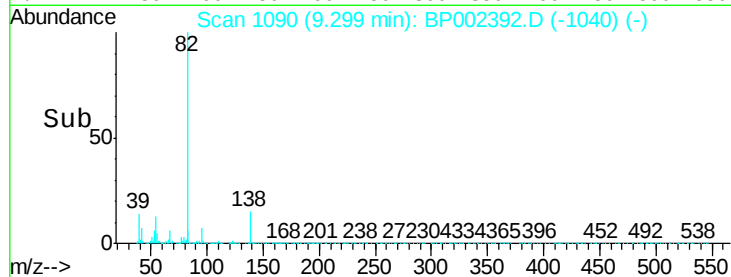
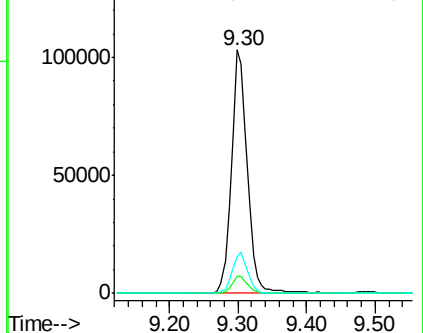
138 15.1 13.4 20.0



Abundance Ion 82.00 (81.70 to 82.70): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): BP0



#26

2-Nitrophenol

Concen: 7.363 ng

RT: 9.49 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

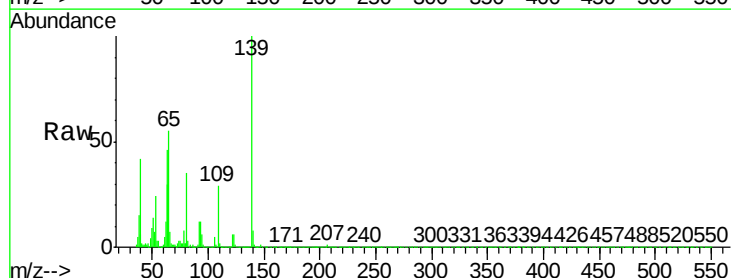
Tgt Ion: 139 Resp: 33771

Ion Ratio Lower Upper

139 100

109 29.4 23.4 35.2

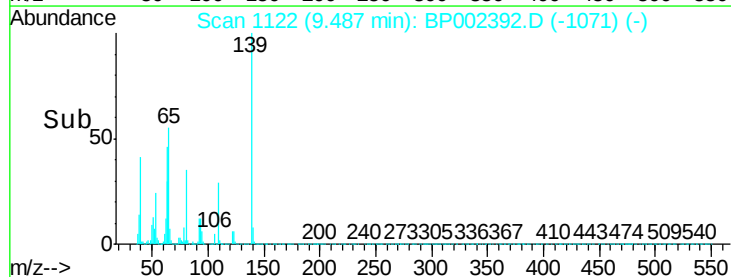
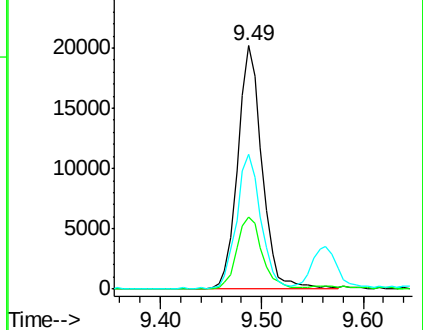
65 55.4 41.1 61.7

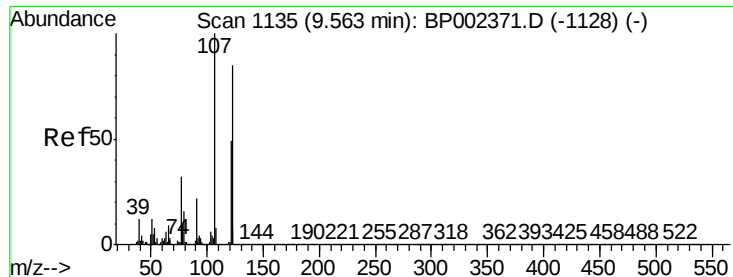


Abundance Ion 139.00 (138.70 to 139.70): BP0

Ion 109.00 (108.70 to 109.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

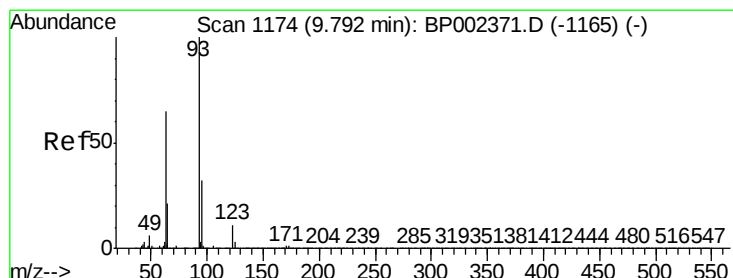
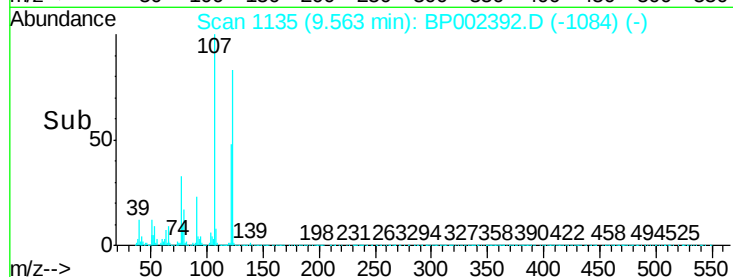
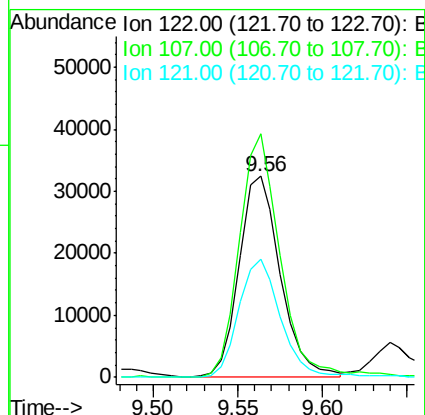
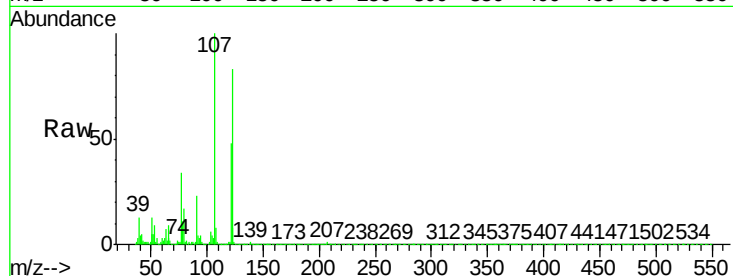




#27
2,4-Dimethylphenol
Concen: 7.646 ng
RT: 9.56 min Scan# 1135
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

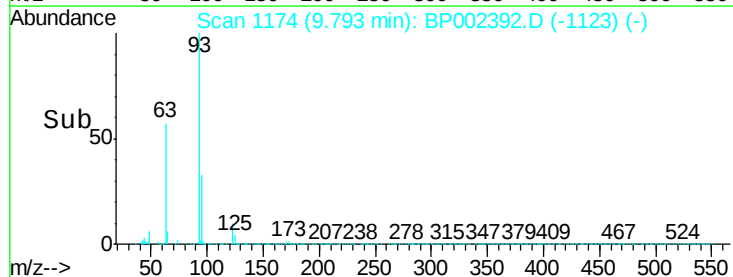
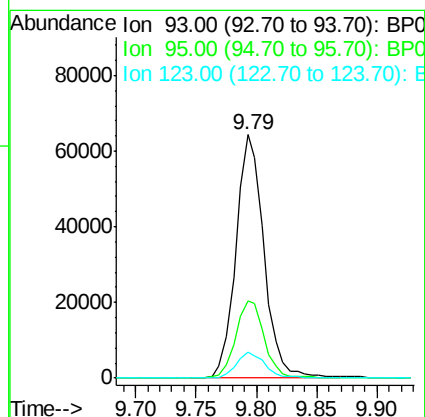
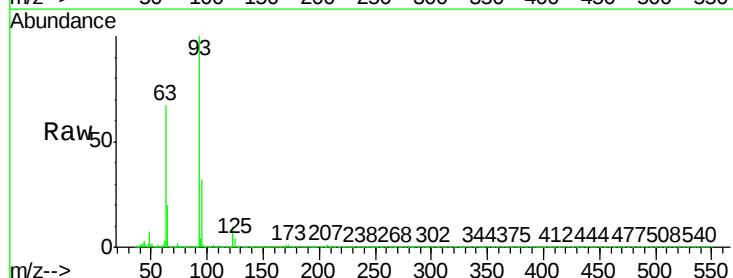
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

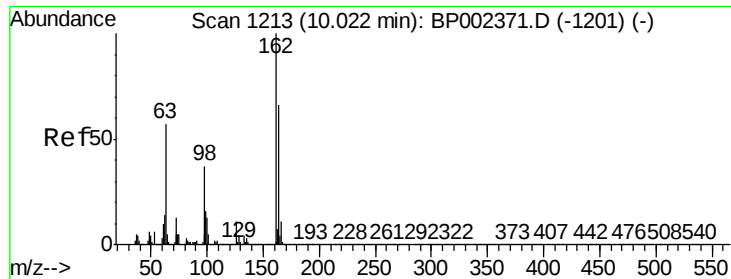
Tot Ion:122 Resp: 55014
Ion Ratio Lower Upper
122 100
107 121.0 94.0 141.0
121 58.5 46.4 69.6



#28
bis(2-Chloroethoxy)methane
Concen: 8.981 ng
RT: 9.79 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion: 93 Resp: 104316
Ion Ratio Lower Upper
93 100
95 31.9 25.8 38.8
123 10.4 8.7 13.1

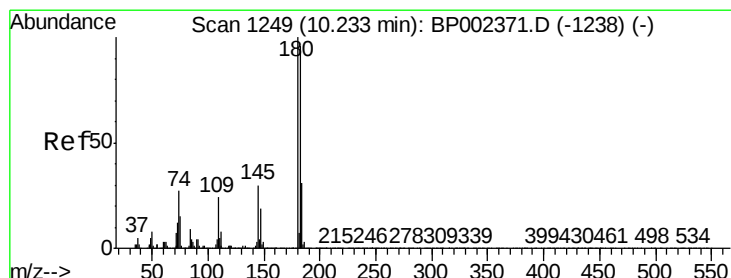
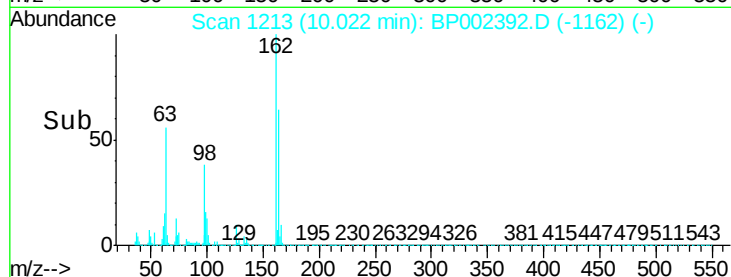
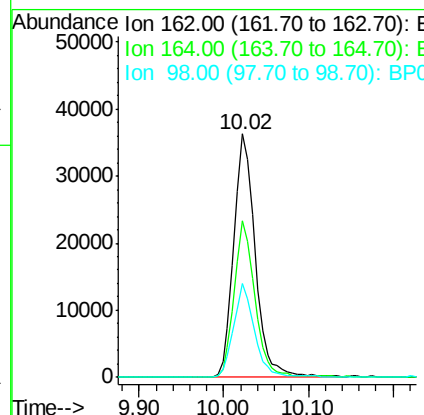
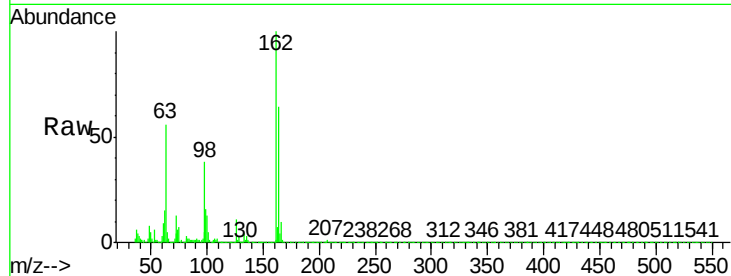




#29
2,4-Dichlorophenol
Concen: 7.854 ng
RT: 10.02 min Scan# 1213
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

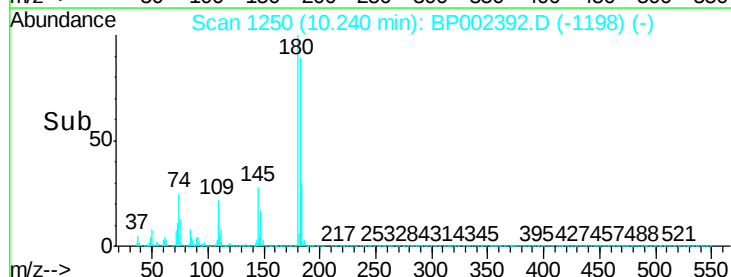
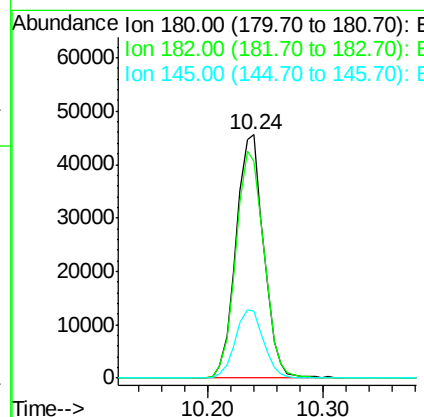
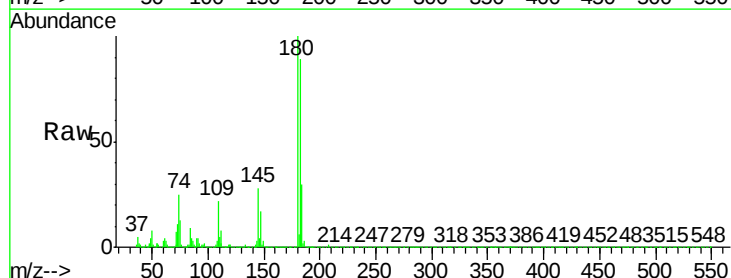
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

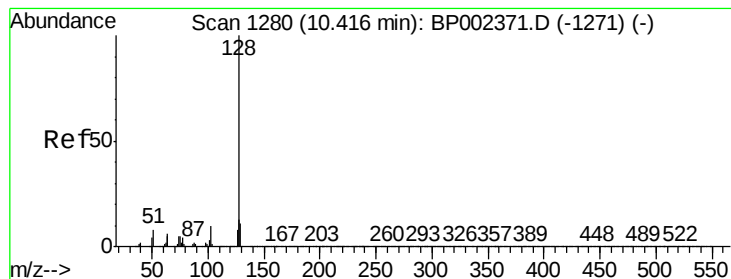
Tot Ion	162	Resp	63612
Ion Ratio	Lower	Upper	
162	100		
164	64.5	45.5	85.5
98	38.4	16.6	56.6



#30
1,2,4-Trichlorobenzene
Concen: 8.390 ng
RT: 10.24 min Scan# 1250
Delta R.T. 0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion	180	Resp	75746
Ion Ratio	Lower	Upper	
180	100		
182	89.3	77.1	115.7
145	27.7	23.8	35.6





#31

Naphthalene

Concen: 8.943 ng

RT: 10.42 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

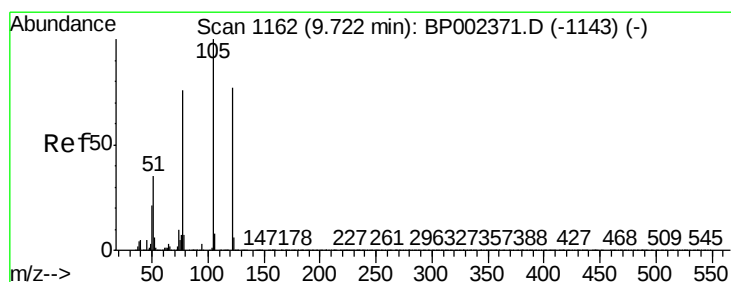
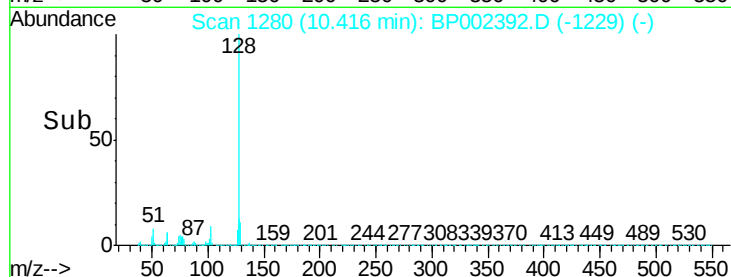
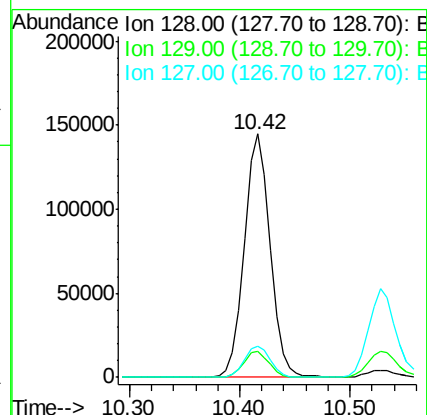
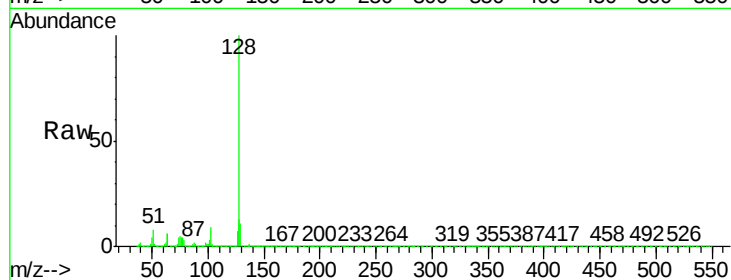
Tot Ion:128 Resp: 237576

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

127 12.9 10.3 15.5



#32

Benzoic acid

Concen: 1.725 ng

RT: 9.64 min Scan# 1148

Delta R.T. -0.08 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

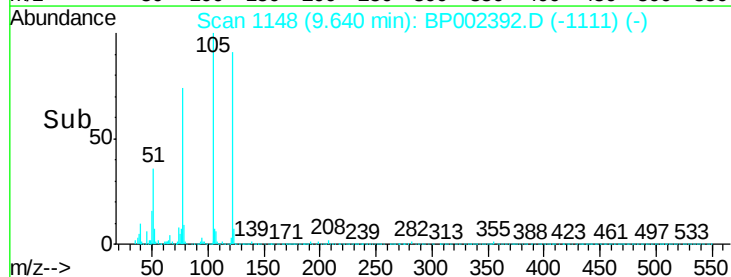
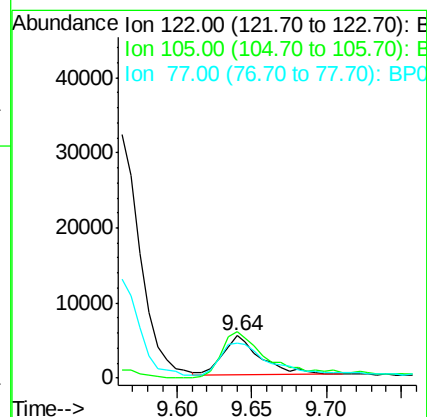
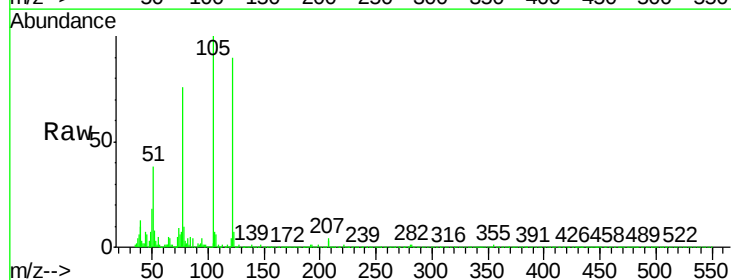
Tgt Ion:122 Resp: 9441

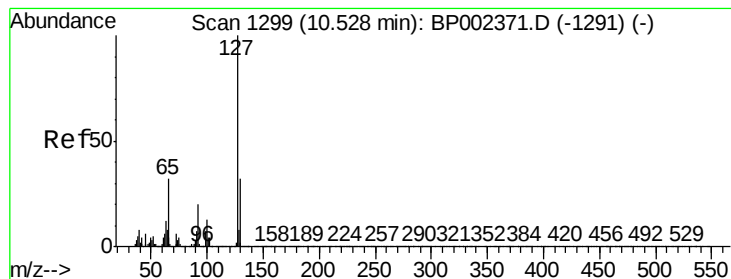
Ion Ratio Lower Upper

122 100

105 110.6 106.3 146.3

77 83.5 77.5 117.5





#33

4-Chloroaniline

Concen: 8.051 ng

RT: 10.53 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:127 Resp: 93365

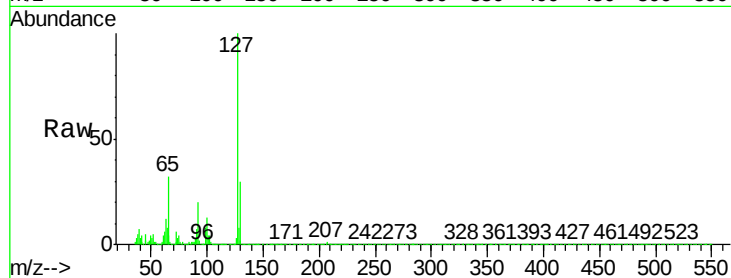
Ion Ratio Lower Upper

127 100

129 29.6 25.4 38.2

65 31.7 25.3 37.9

92 20.0 15.8 23.6



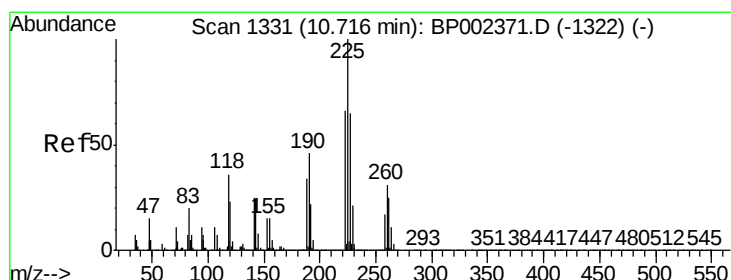
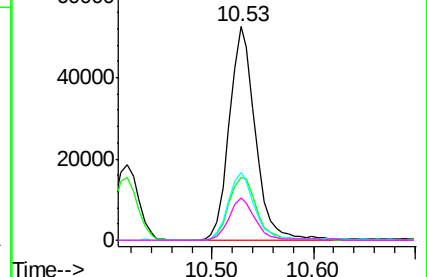
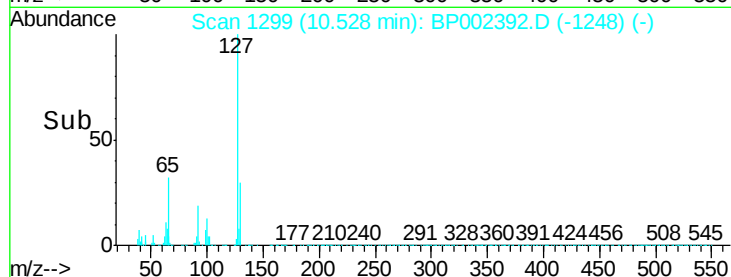
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BP0

Ion 92.00 (91.70 to 92.70): BP0

Time-->



#34

Hexachlorobutadiene

Concen: 7.951 ng

RT: 10.72 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

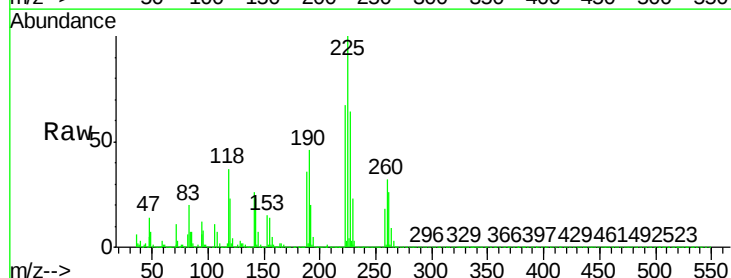
Tgt Ion:225 Resp: 41888

Ion Ratio Lower Upper

225 100

223 67.2 52.6 78.8

227 64.4 52.2 78.2

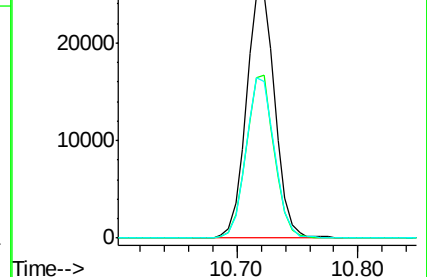
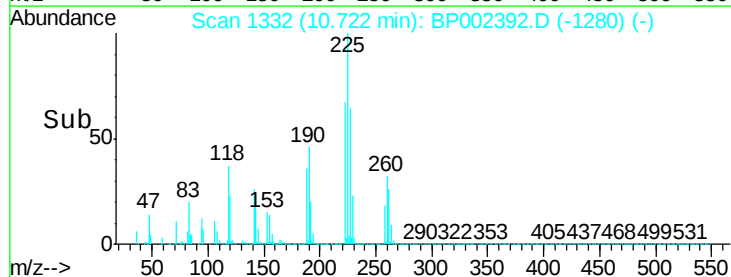


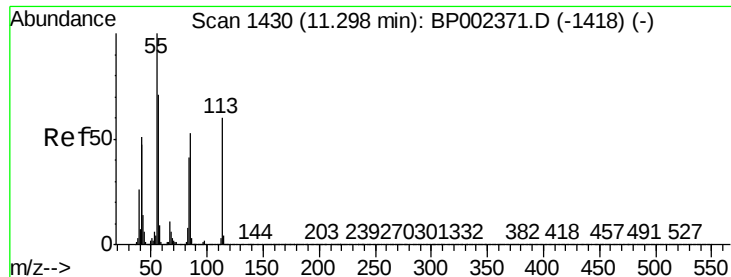
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

Time-->

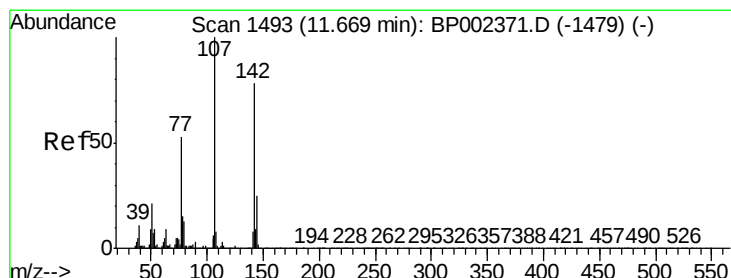
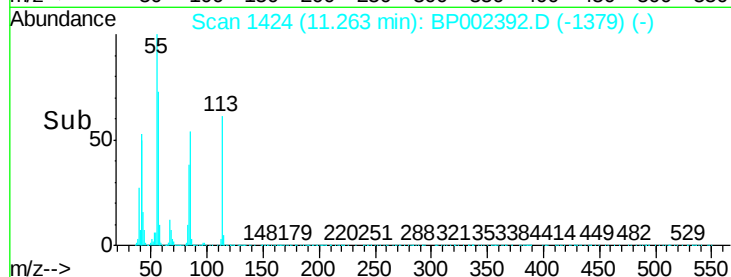
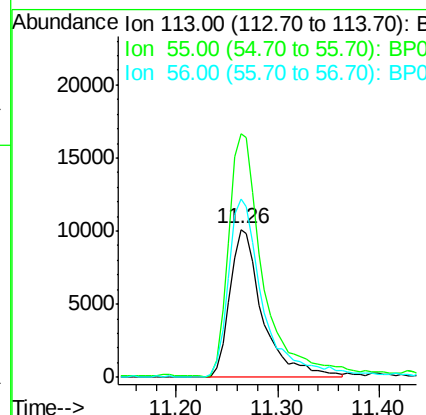
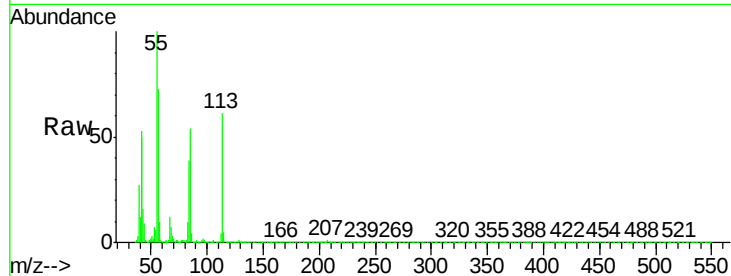




#35
Caprolactam
Concen: 7.937 ng
RT: 11.26 min Scan# 1424
Delta R.T. -0.03 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

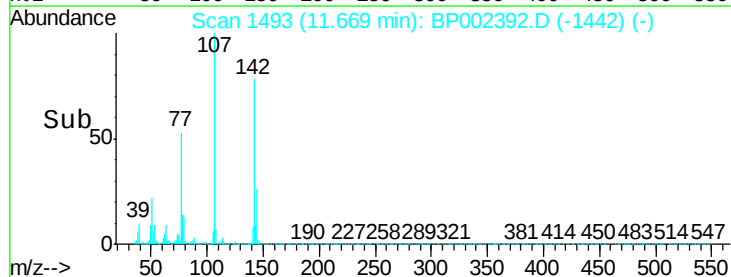
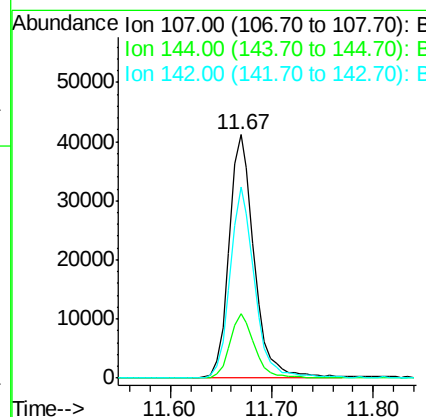
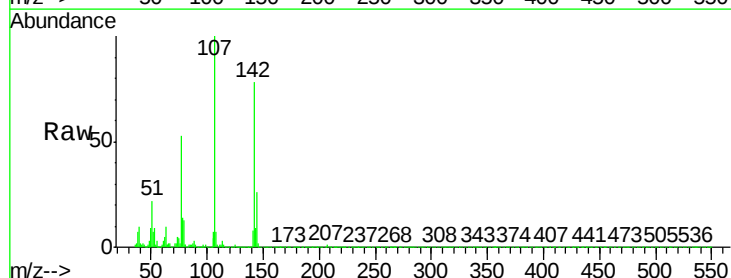
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

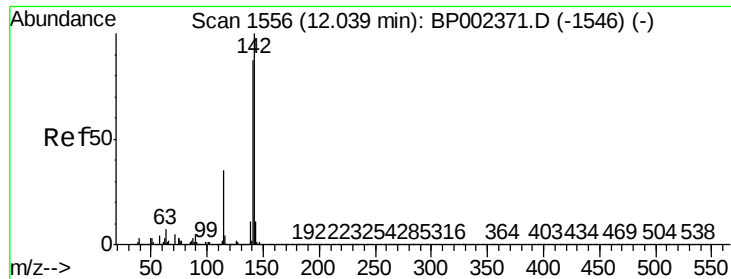
Tot Ion:113 Resp: 22673
Ion Ratio Lower Upper
113 100
55 165.0 147.9 187.9
56 120.7 99.9 139.9



#36
4-Chloro-3-methylphenol
Concen: 8.047 ng
RT: 11.67 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:107 Resp: 70516
Ion Ratio Lower Upper
107 100
144 26.4 20.4 30.6
142 78.5 62.2 93.4

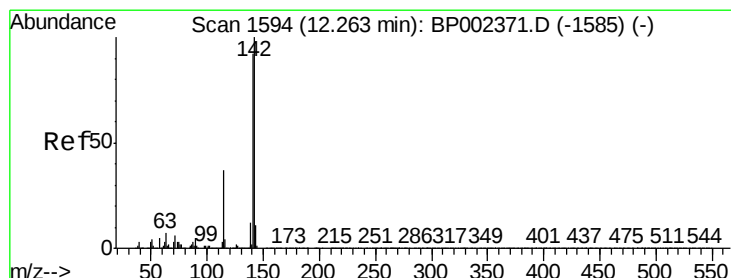
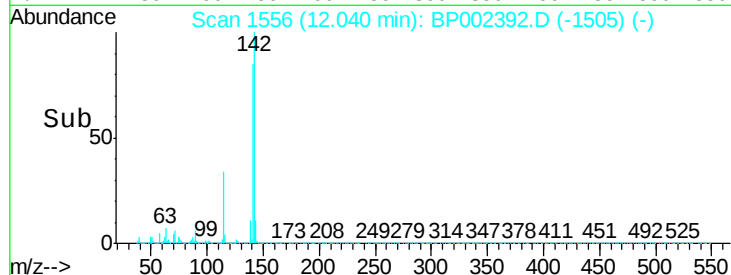
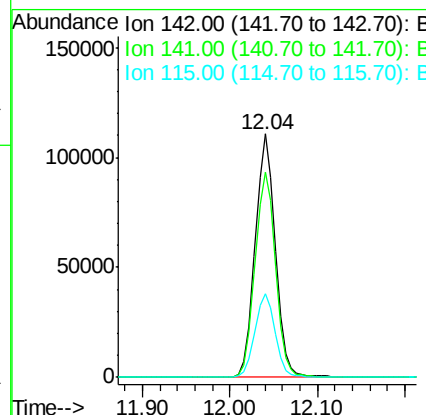
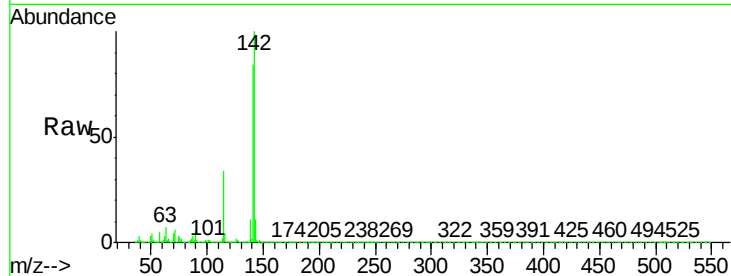




#37
2-Methylnaphthalene
Concen: 9.111 ng
RT: 12.04 min Scan# 1556
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

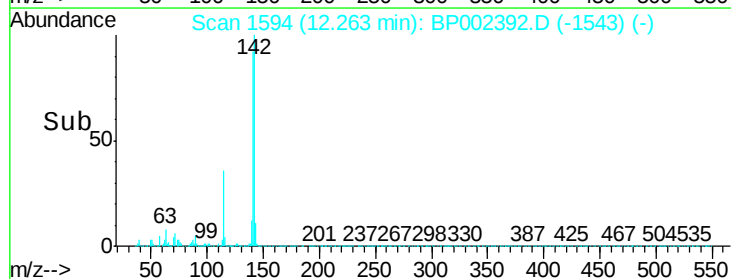
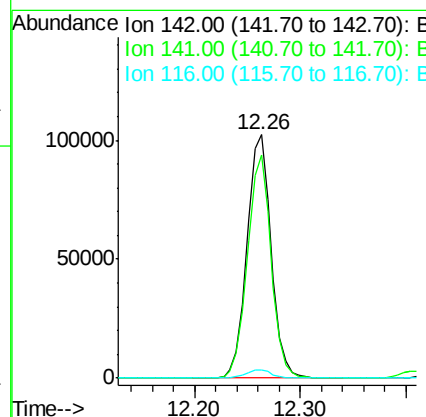
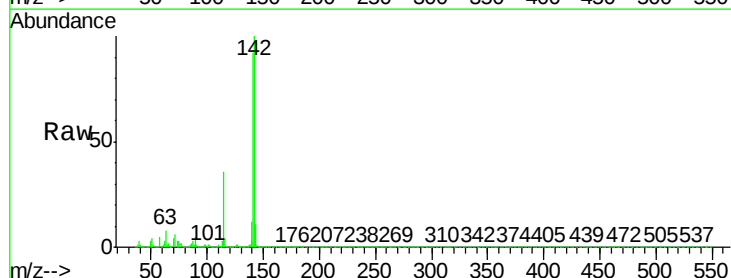
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

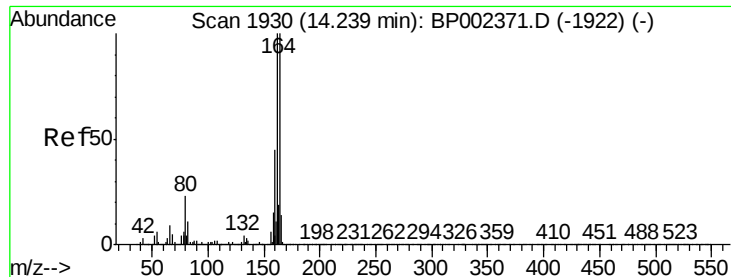
Tot Ion	Ratio	Lower	Upper
142	100		
141	84.4	69.7	104.5
115	34.3	27.8	41.8



#38
1-Methylnaphthalene
Concen: 9.124 ng
RT: 12.26 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.6	110.4
116	3.5	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.25 min Scan# 1931

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

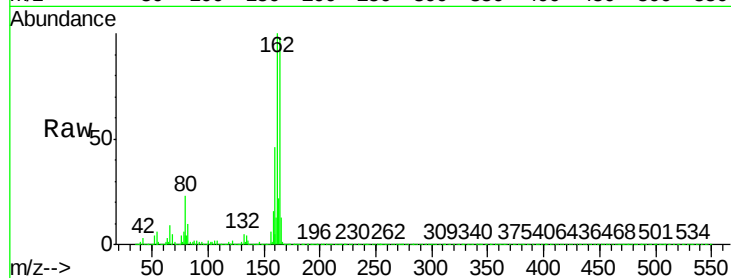
Tot Ion:164 Resp: 353802

Ion Ratio Lower Upper

164 100

162 102.1 79.8 119.8

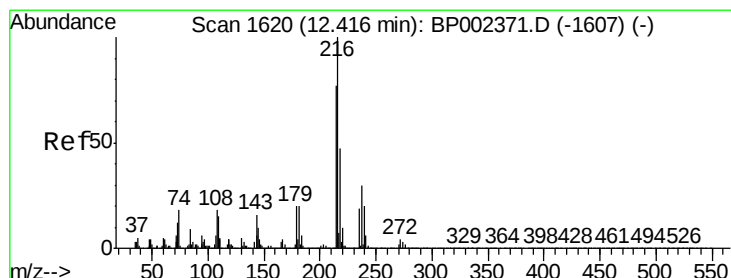
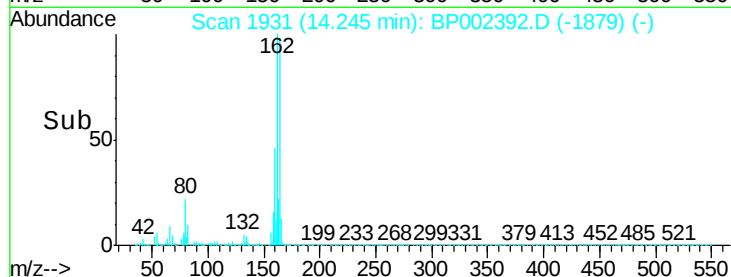
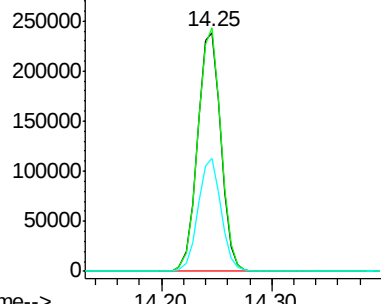
160 47.1 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.347 ng

RT: 12.42 min Scan# 1621

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Tgt Ion:216 Resp: 87173

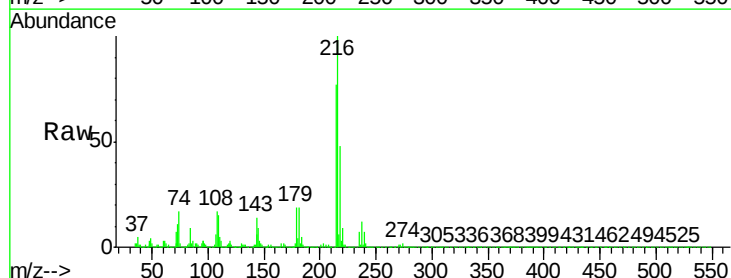
Ion Ratio Lower Upper

216 100

214 77.3 62.6 94.0

179 20.5 16.4 24.6

108 19.5 15.5 23.3

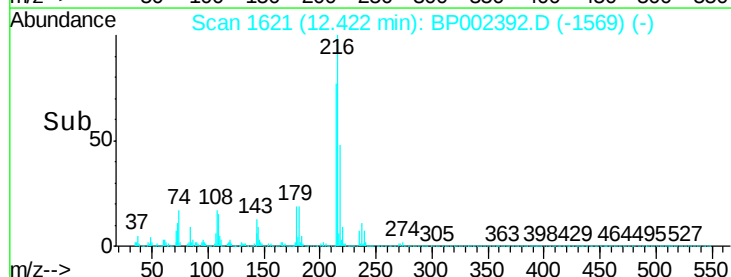
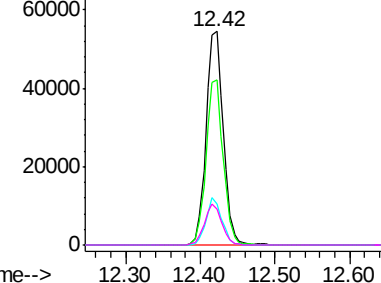


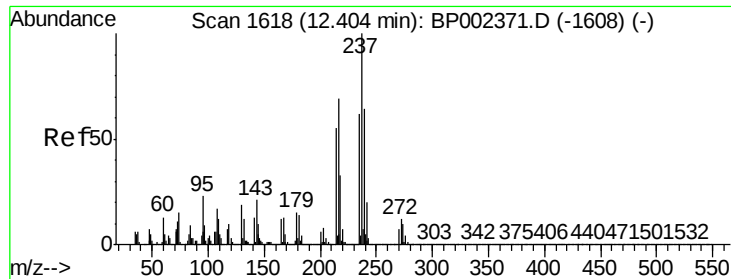
Abundance Ion 216.00 (215.70 to 216.70): E

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

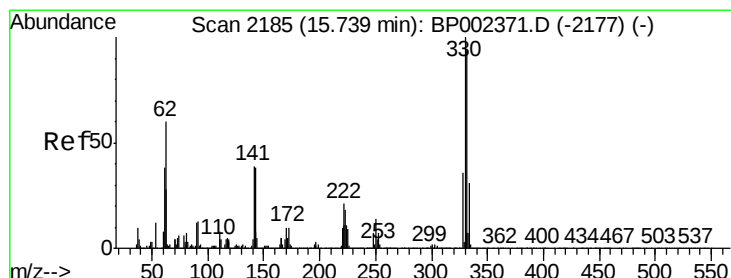
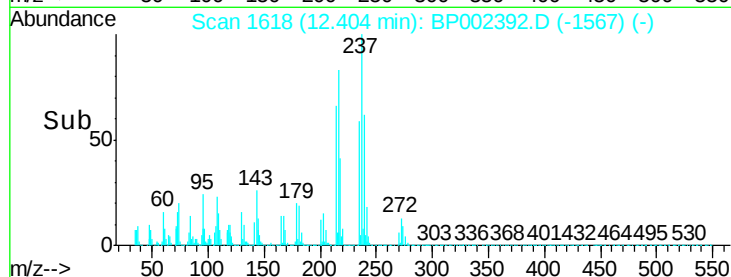
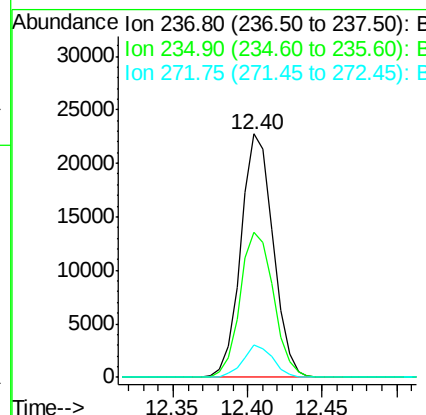
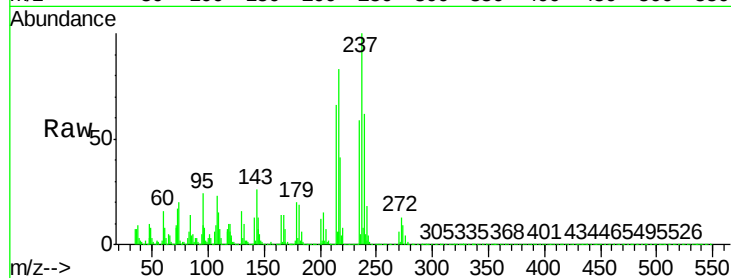




#41
Hexachlorocyclopentadiene
Concen: 6.888 ng
RT: 12.40 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

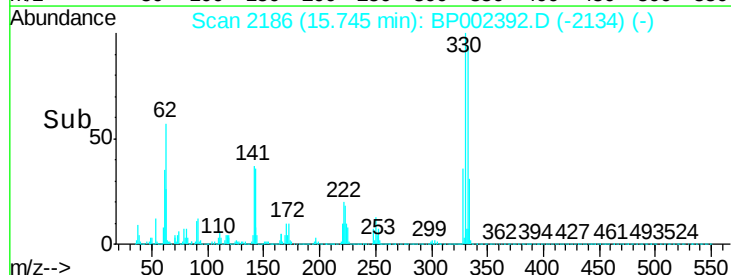
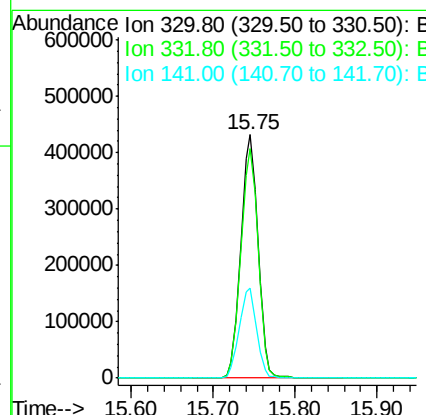
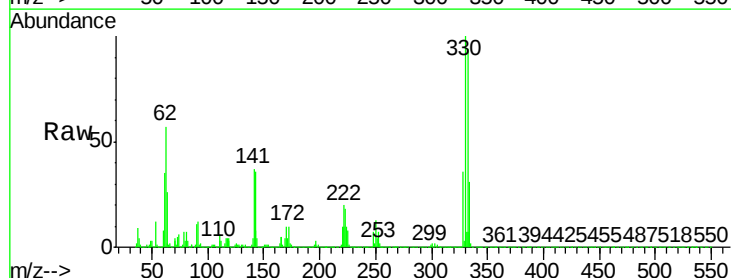
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

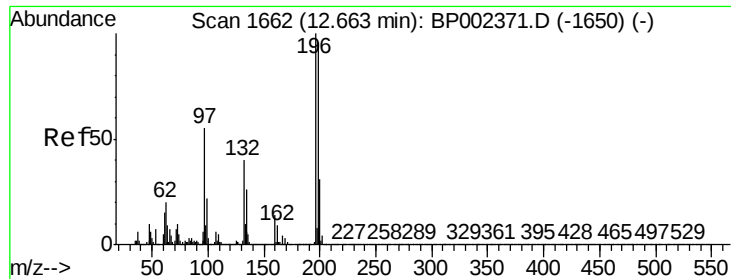
Tot Ion:237 Resp: 34155
Ion Ratio Lower Upper
237 100
235 59.5 42.0 82.0
272 13.1 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 187.592 ng
RT: 15.75 min Scan# 2186
Delta R.T. 0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:330 Resp: 635448
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 37.3 30.3 45.5

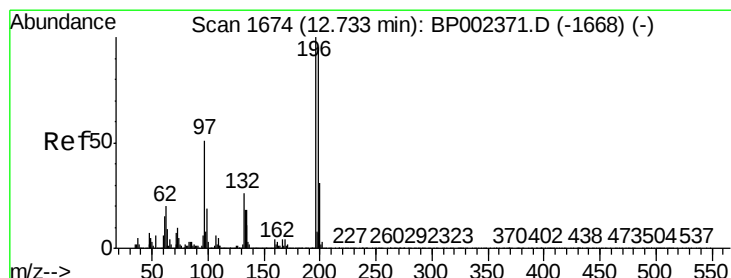
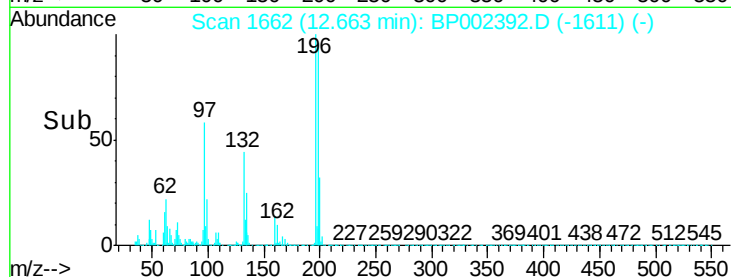
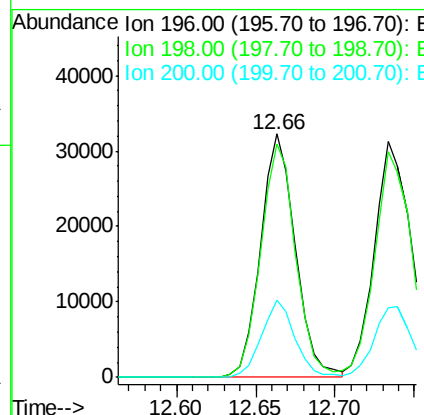
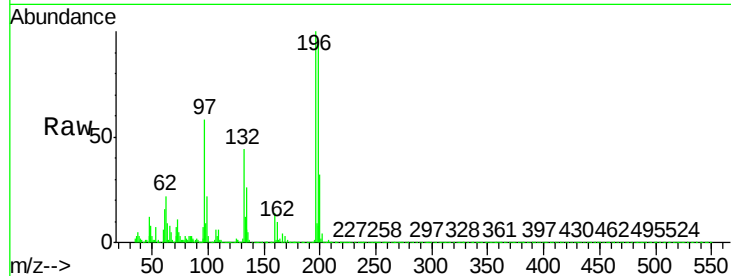




#43
2,4,6-Trichlorophenol
Concen: 7.494 ng
RT: 12.66 min Scan# 1662
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

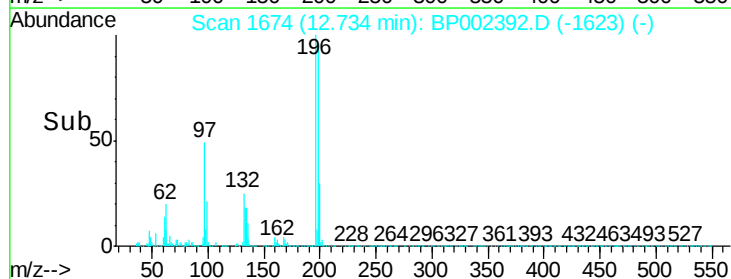
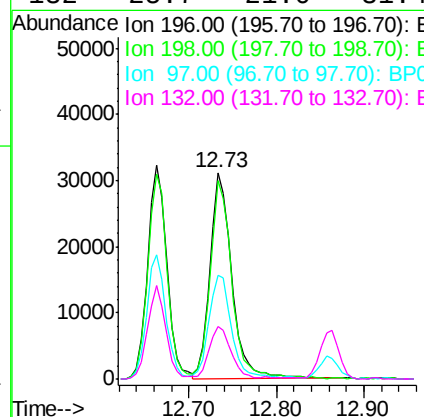
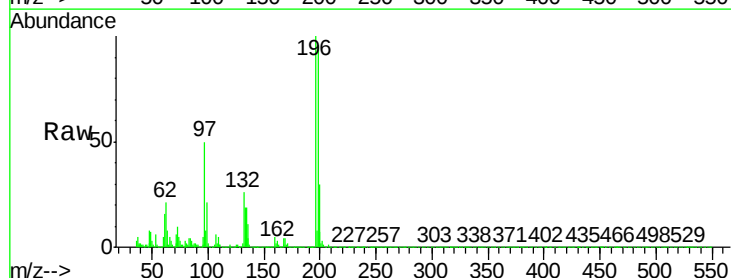
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

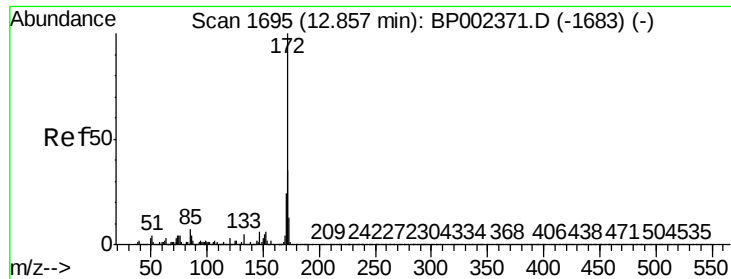
Tot Ion:196 Resp: 49465
Ion Ratio Lower Upper
196 100
198 96.0 76.6 115.0
200 32.0 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 7.074 ng
RT: 12.73 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:196 Resp: 54069
Ion Ratio Lower Upper
196 100
198 96.0 76.2 114.2
97 50.2 40.6 61.0
132 25.7 21.0 31.4

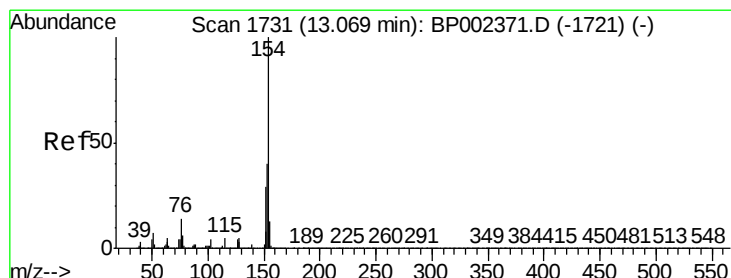
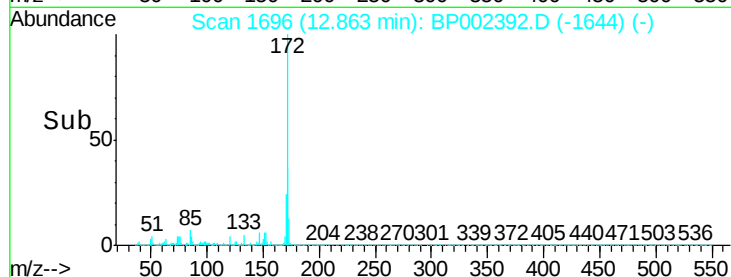
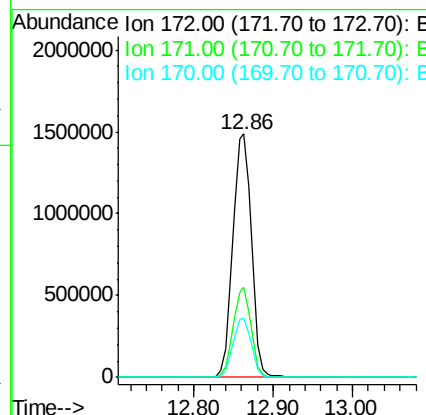
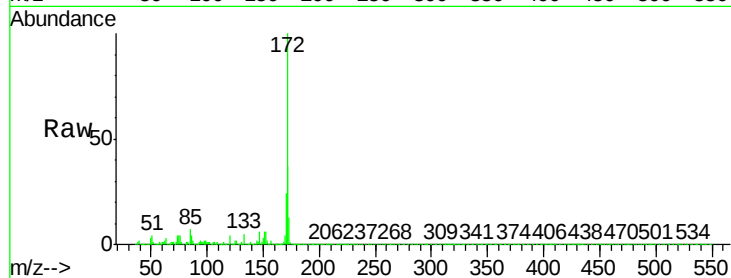




#45
2-Fluorobiphenyl
Concen: 114.500 ng
RT: 12.86 min Scan# 1696
Delta R.T. 0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

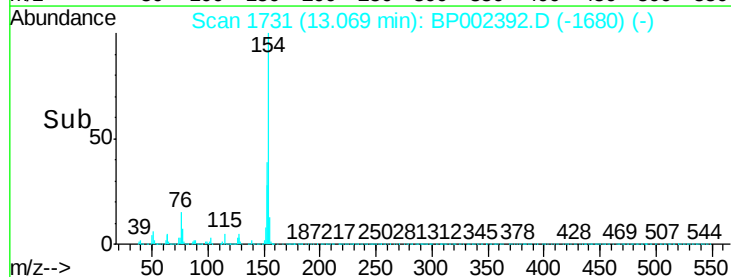
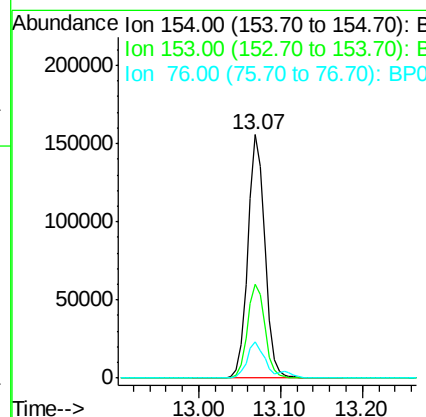
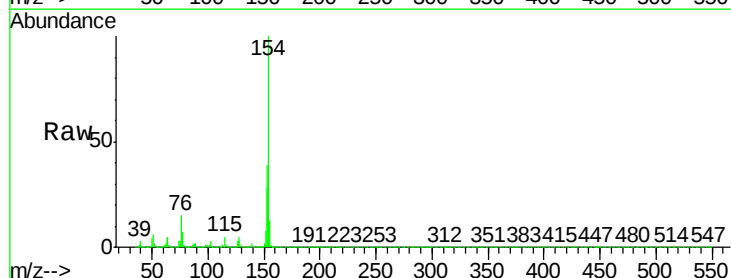
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

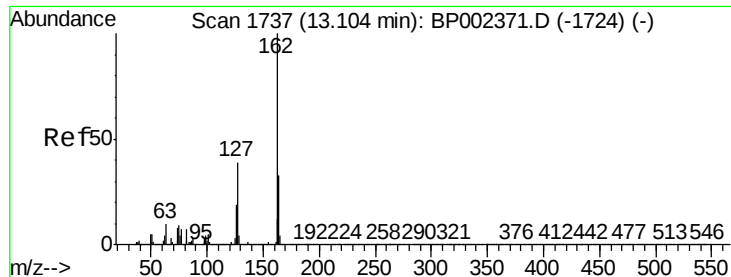
Tot Ion:172 Resp: 2409300
Ion Ratio Lower Upper
172 100
171 36.9 27.8 41.8
170 24.4 19.0 28.6



#46
1,1'-Biphenyl
Concen: 9.677 ng
RT: 13.07 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:154 Resp: 224382
Ion Ratio Lower Upper
154 100
153 38.8 20.2 60.2
76 14.8 0.0 34.2

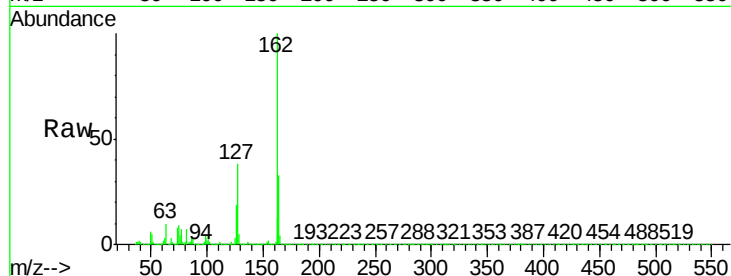




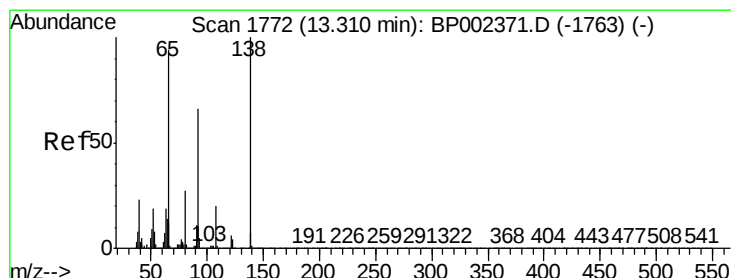
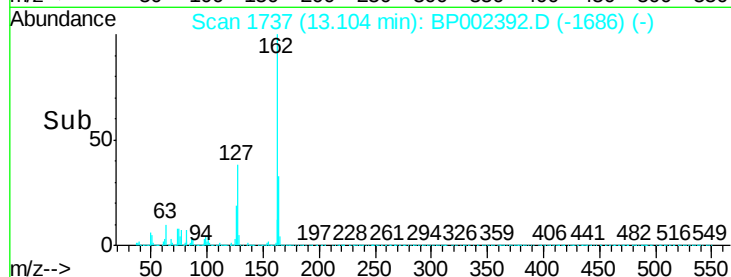
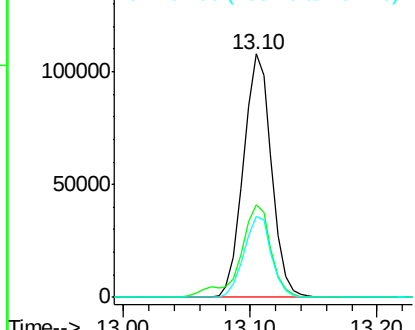
#47
2-Chloronaphthalene
Concen: 8.710 ng
RT: 13.10 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.2	31.0	46.4
164	33.4	26.6	40.0

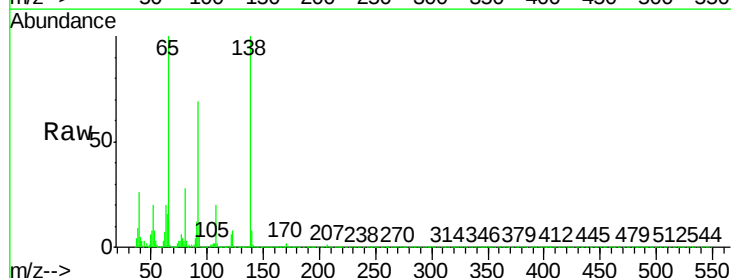


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

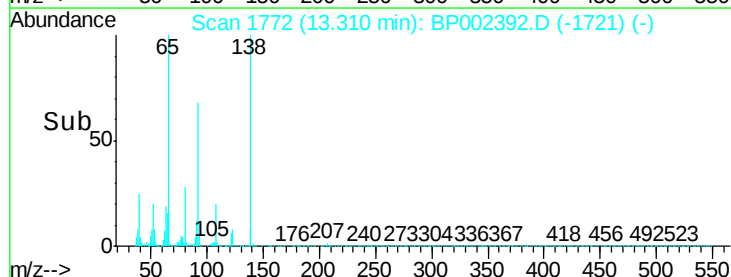
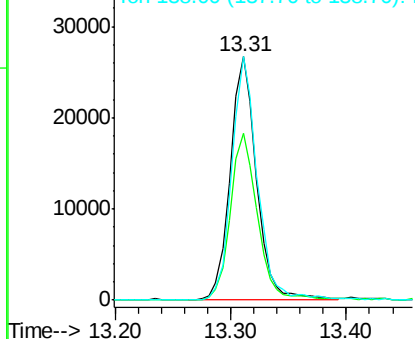


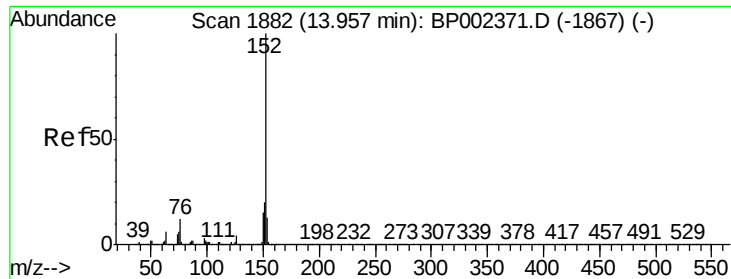
#48
2-Nitroaniline
Concen: 6.990 ng
RT: 13.31 min Scan# 1772
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.5	56.3	84.5
138	100.0	85.0	127.6



Abundance Ion 65.00 (64.70 to 65.70): BP0
Ion 92.00 (91.70 to 92.70): BP0
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 8.693 ng

RT: 13.96 min Scan# 1882

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

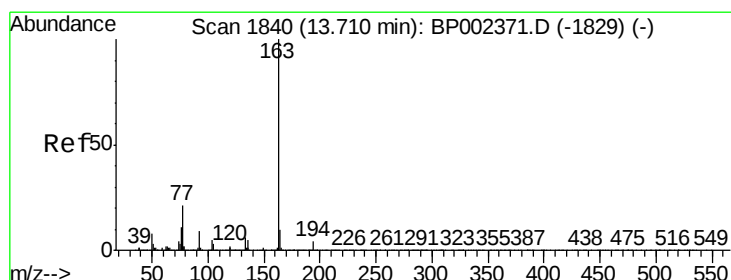
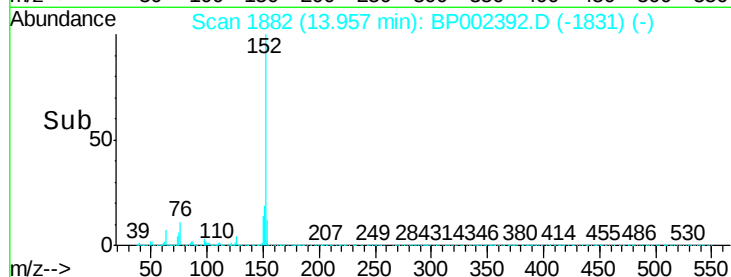
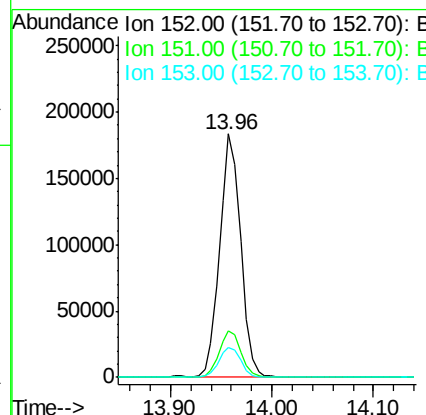
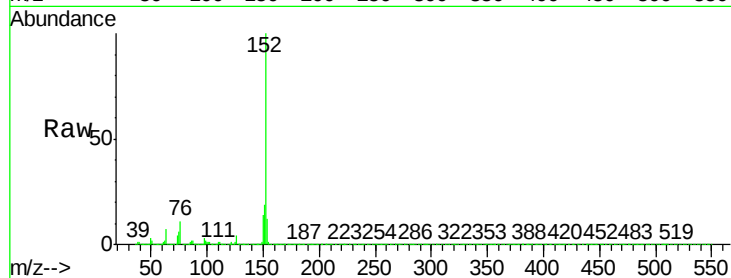
Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:	152	Resp:	263159
Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.7	23.5
153	12.5	10.5	15.7



#50

Dimethylphthalate

Concen: 8.752 ng

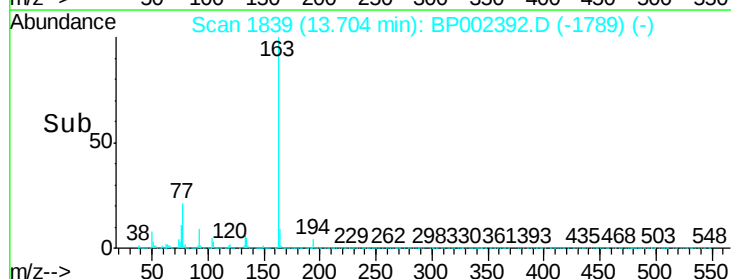
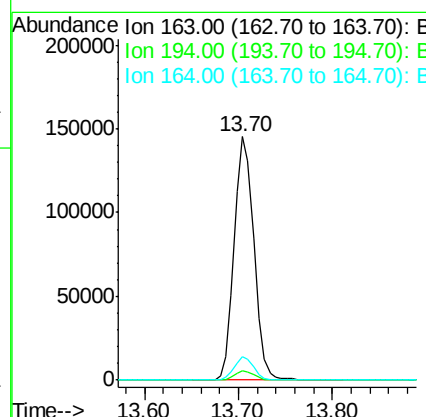
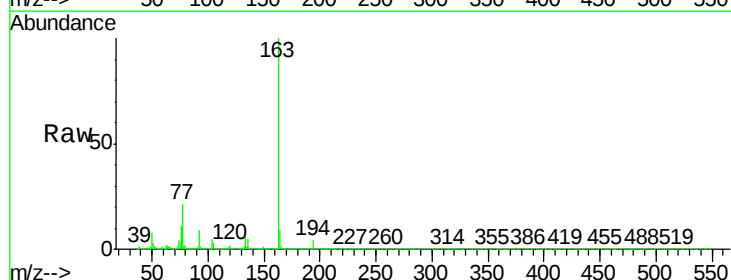
RT: 13.70 min Scan# 1839

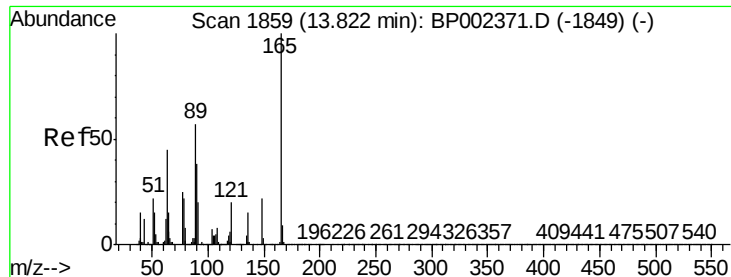
Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Tgt Ion:	163	Resp:	212180
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.0
164	9.5	8.1	12.1

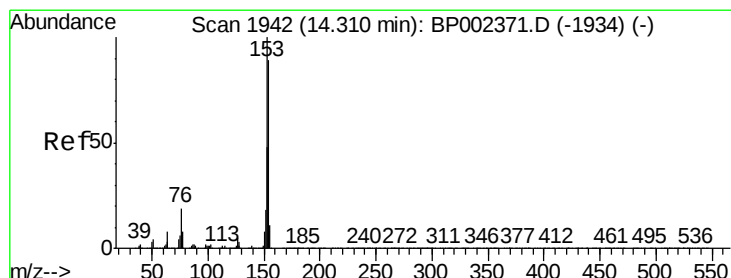
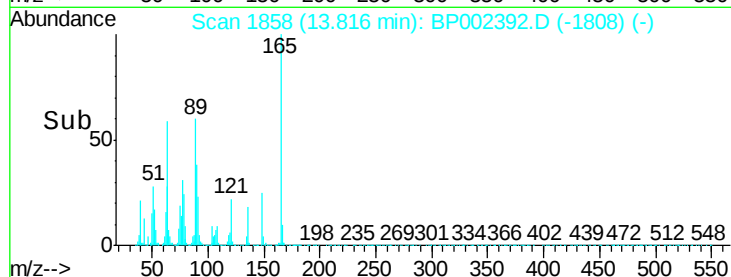
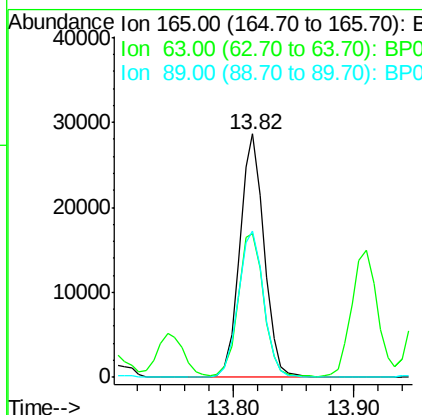
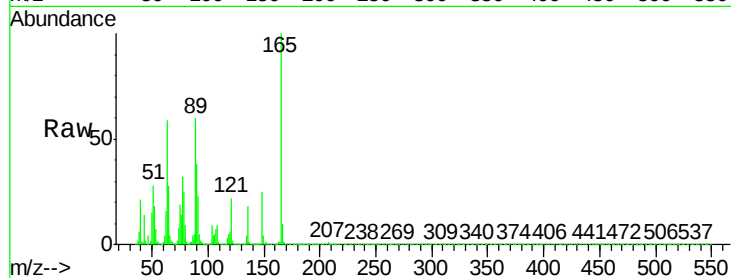




#51
2,6-Dinitrotoluene
Concen: 7.618 ng
RT: 13.82 min Scan# 1858
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

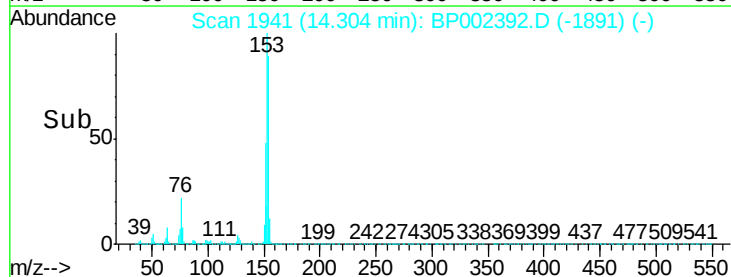
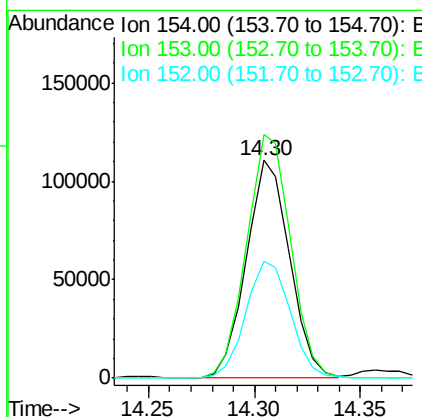
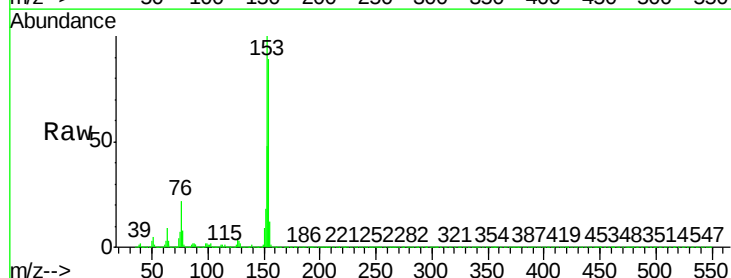
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

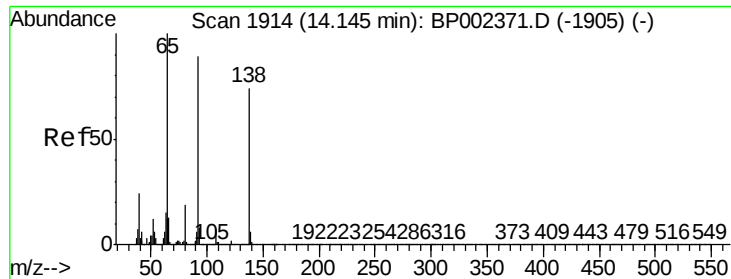
Tot Ion:165 Resp: 40109
Ion Ratio Lower Upper
165 100
63 59.3 43.1 64.7
89 60.1 45.3 67.9



#52
Acenaphthene
Concen: 8.906 ng
RT: 14.30 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:154 Resp: 157938
Ion Ratio Lower Upper
154 100
153 111.9 89.5 134.3
152 53.9 43.3 64.9

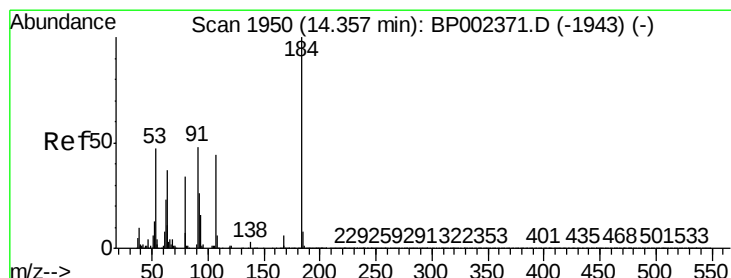
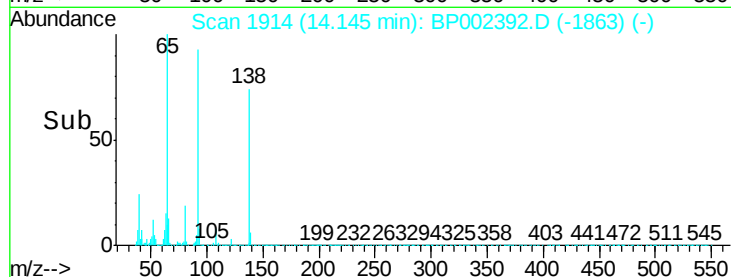
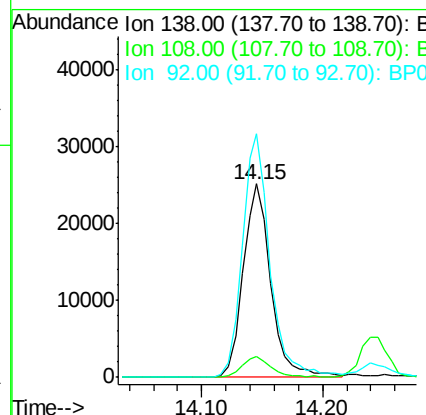
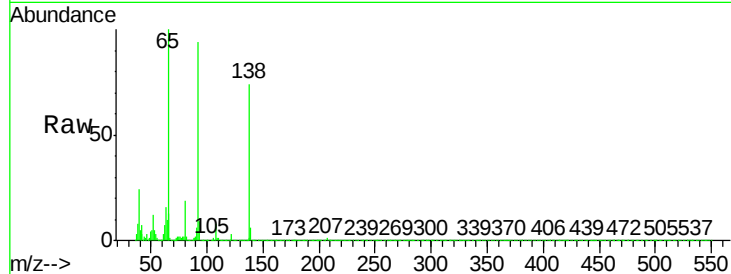




#53
3-Nitroaniline
Concen: 6.644 ng
RT: 14.15 min Scan# 1914
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

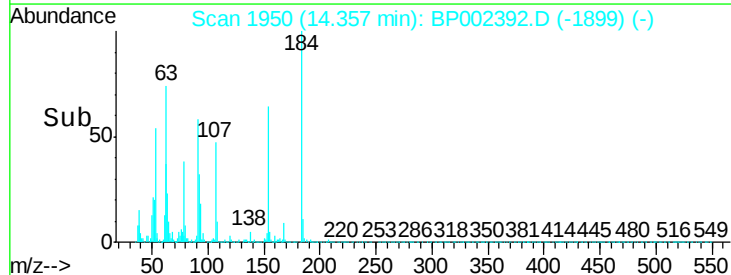
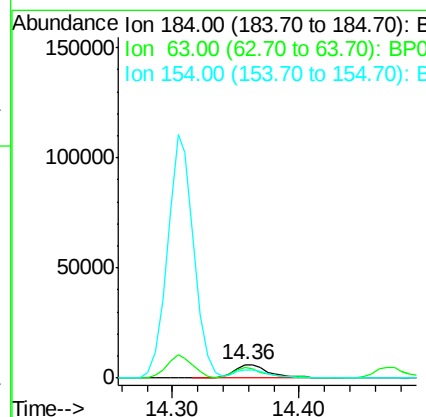
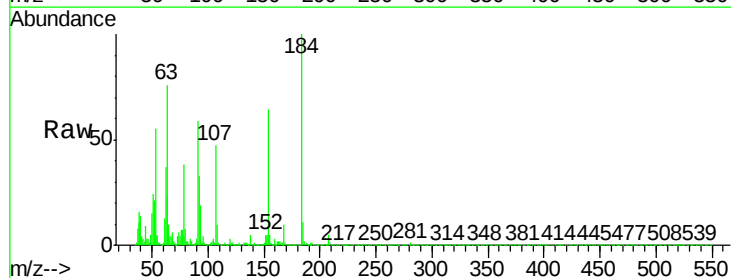
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

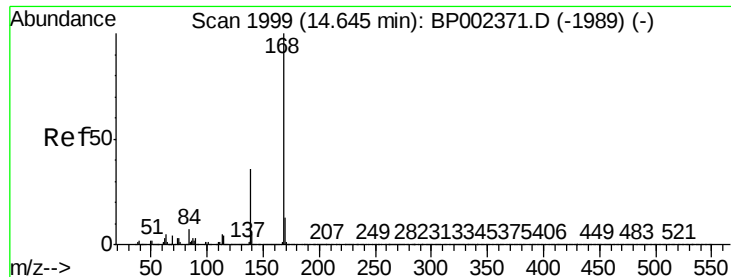
Tot Ion:138 Resp: 39939
Ion Ratio Lower Upper
138 100
108 10.6 8.0 12.0
92 125.9 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 4.060 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:184 Resp: 11723
Ion Ratio Lower Upper
184 100
63 76.2 52.3 78.5
154 63.9 48.6 72.8





#55

Dibenzofuran

Concen: 9.072 ng

RT: 14.65 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

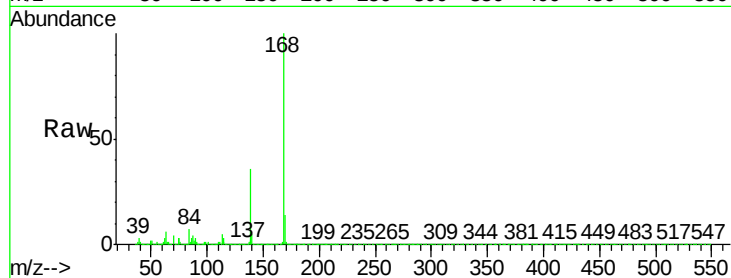
Tot Ion:168 Resp: 259040

Ion Ratio Lower Upper

168 100

139 36.5 28.9 43.3

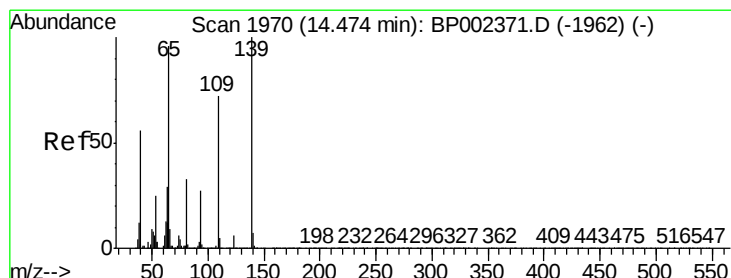
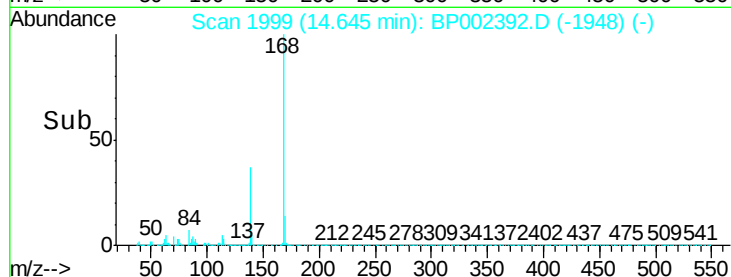
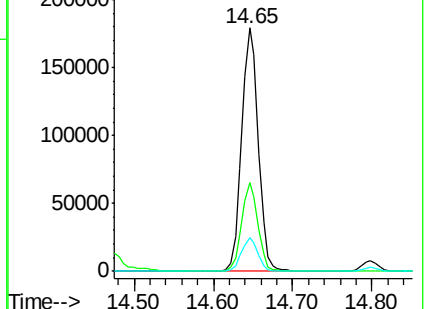
169 13.6 10.6 15.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 6.069 ng

RT: 14.47 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

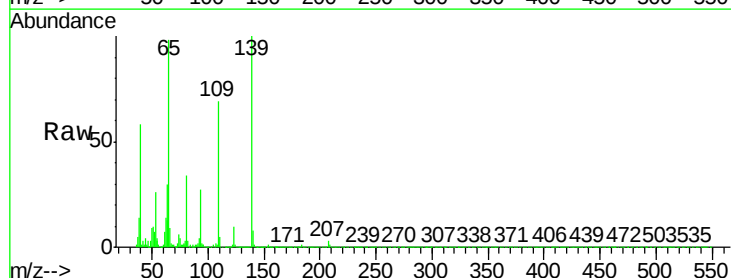
Tgt Ion:139 Resp: 28970

Ion Ratio Lower Upper

139 100

109 68.8 52.0 92.0

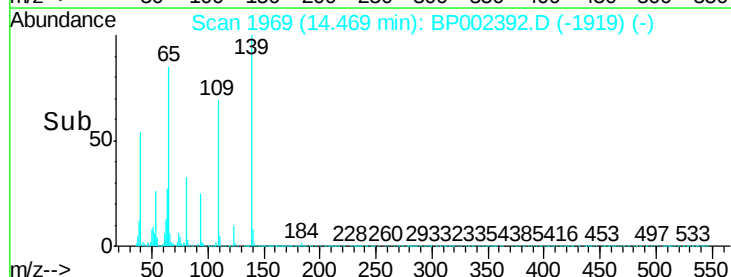
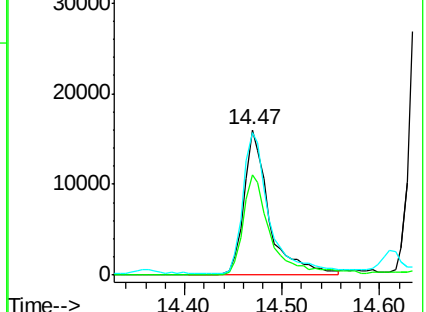
65 98.0 76.3 116.3

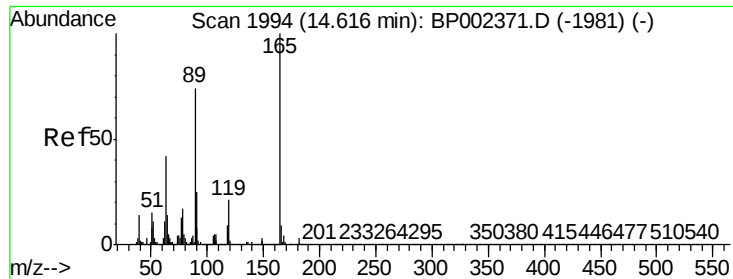


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO

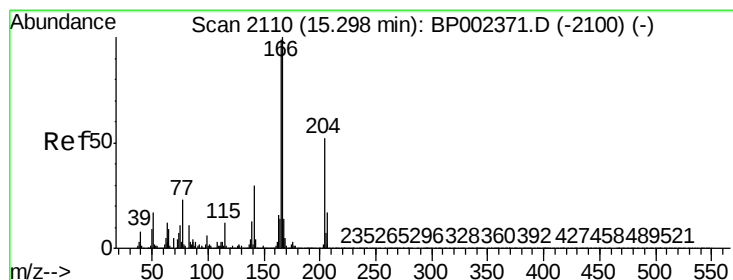
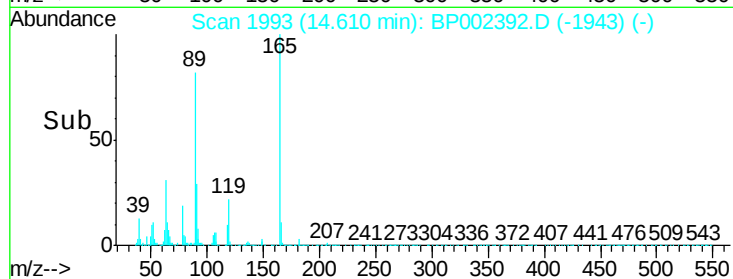
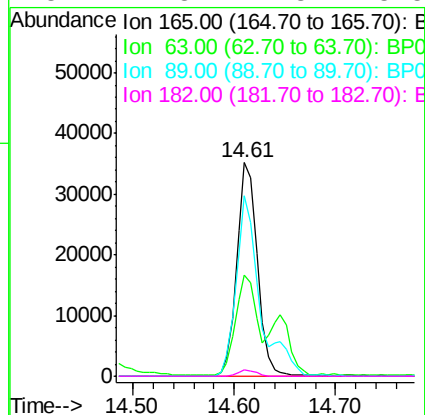
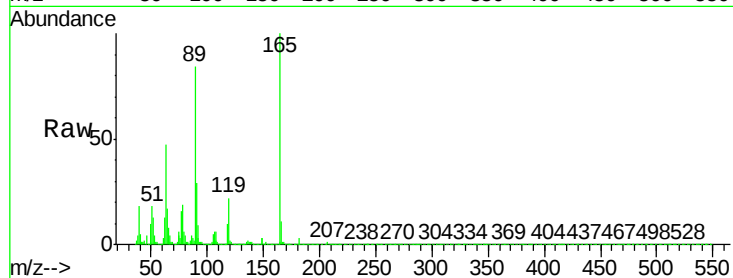




#57
2,4-Dinitrotoluene
Concen: 6.931 ng
RT: 14.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

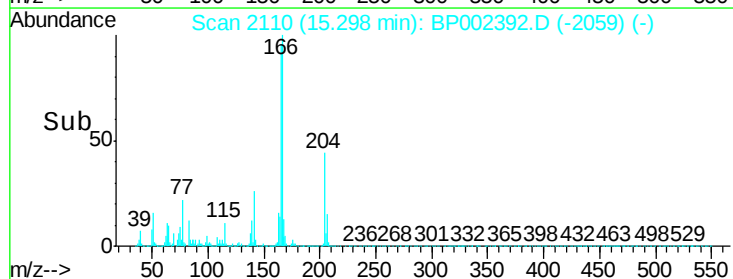
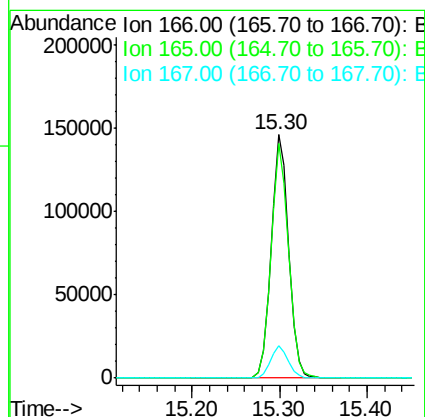
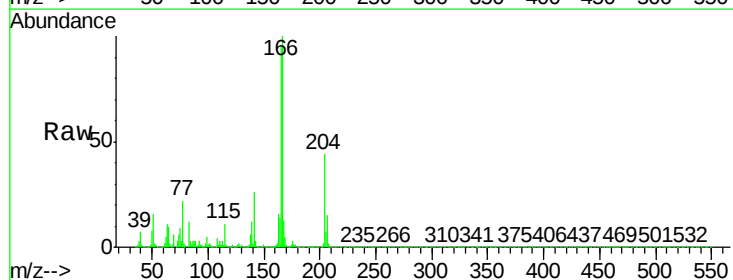
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

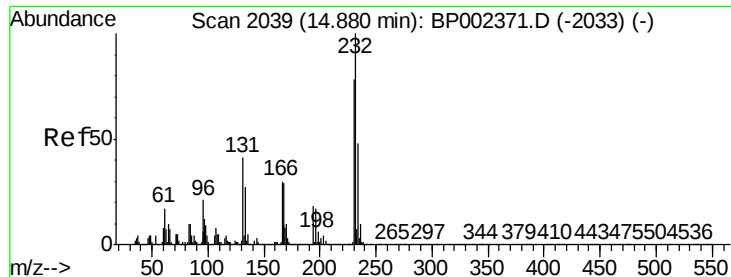
Tot Ion:165 Resp: 49668
Ion Ratio Lower Upper
165 100
63 47.1 34.2 51.2
89 84.3 59.3 88.9
182 2.8 2.3 3.5



#58
Fluorene
Concen: 8.988 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:166 Resp: 201854
Ion Ratio Lower Upper
166 100
165 96.5 79.1 118.7
167 13.3 11.0 16.4





#59

2,3,4,6-Tetrachlorophenol

Concen: 7.838 ng

RT: 14.88 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:232 Resp: 47552

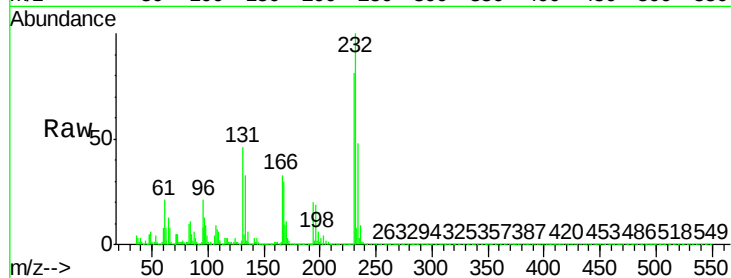
Ion Ratio Lower Upper

232 100

131 45.5 35.1 52.7

130 2.3 1.8 2.8

166 31.9 24.4 36.6

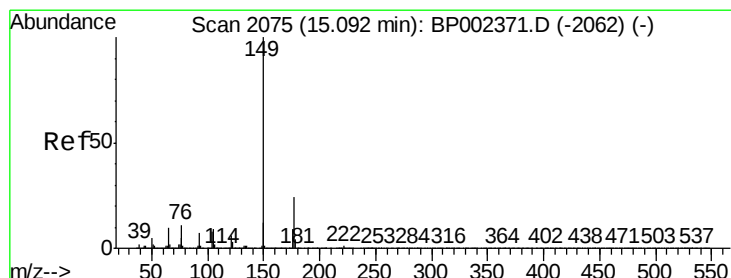
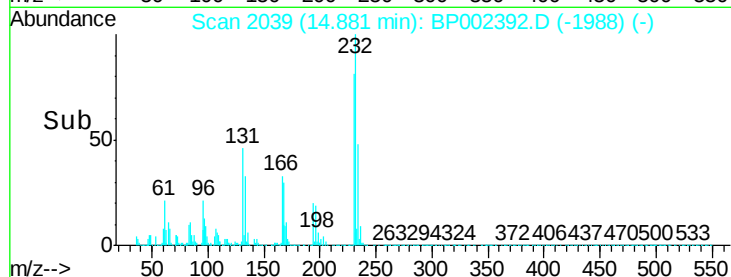
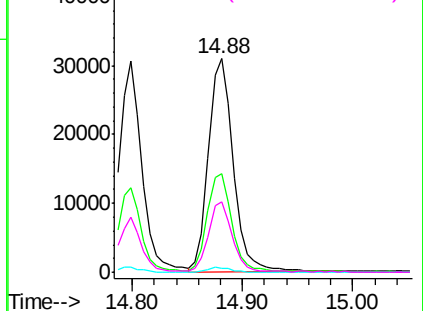


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 8.453 ng

RT: 15.09 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

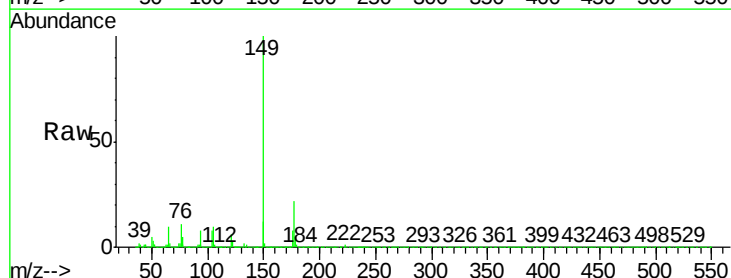
Tgt Ion:149 Resp: 205330

Ion Ratio Lower Upper

149 100

177 22.1 18.9 28.3

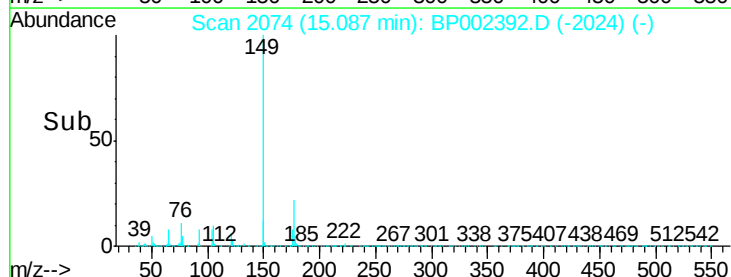
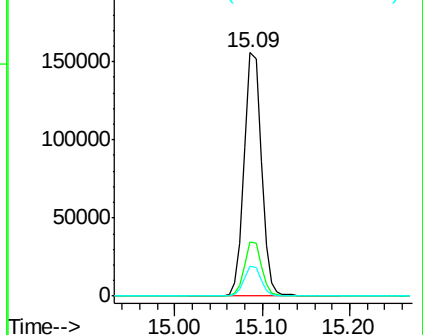
150 12.1 9.9 14.9

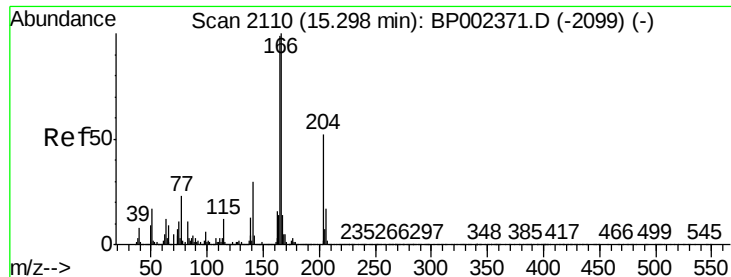


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

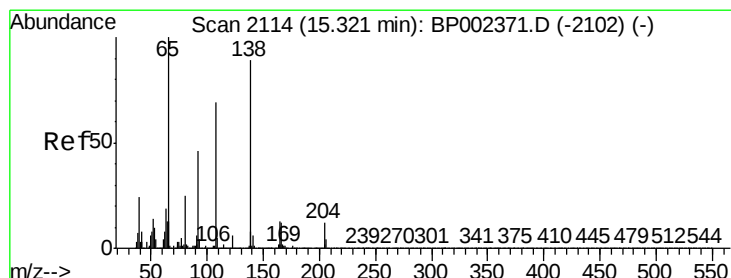
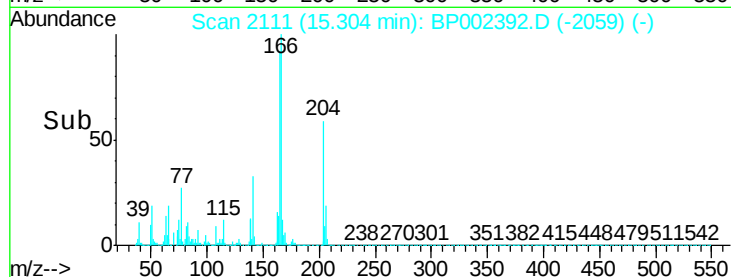
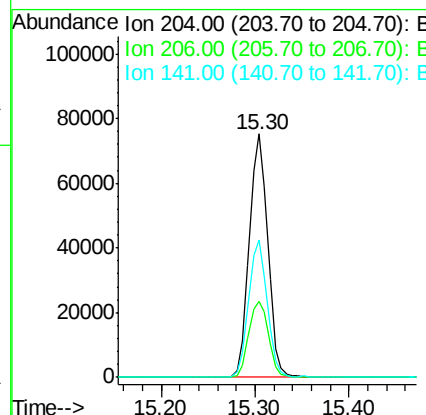
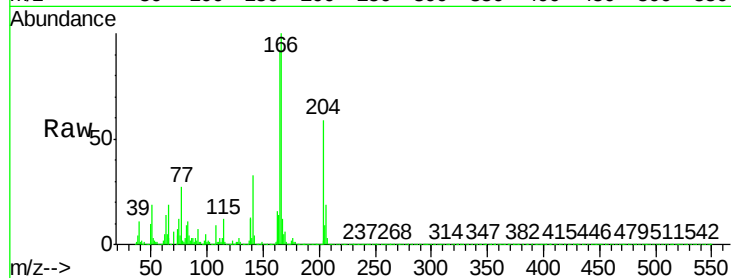




#61
4-Chlorophenyl-phenylether
Concen: 9.446 ng
RT: 15.30 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

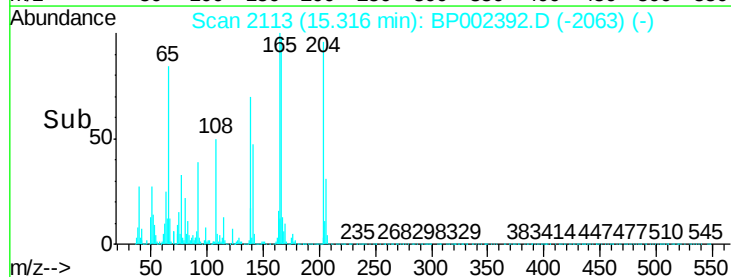
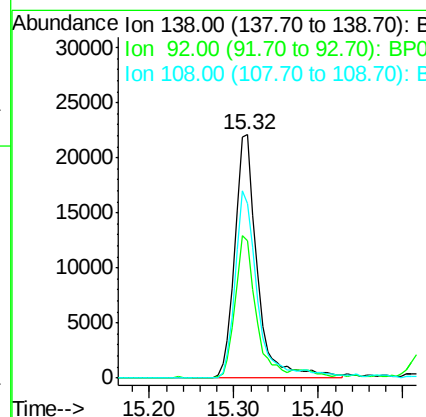
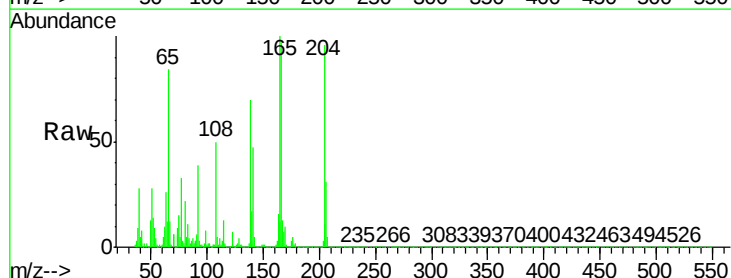
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

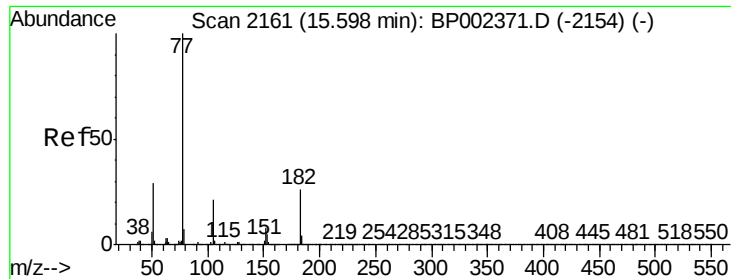
Tot Ion:204 Resp: 102837
Ion Ratio Lower Upper
204 100
206 31.4 26.8 40.2
141 56.4 46.6 69.8



#62
4-Nitroaniline
Concen: 7.027 ng
RT: 15.32 min Scan# 2113
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:138 Resp: 40590
Ion Ratio Lower Upper
138 100
92 56.5 31.7 71.7
108 71.8 57.5 97.5

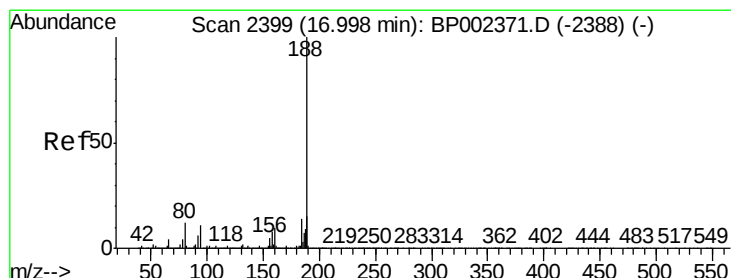
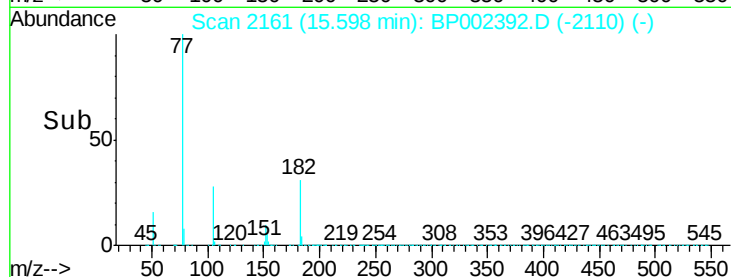
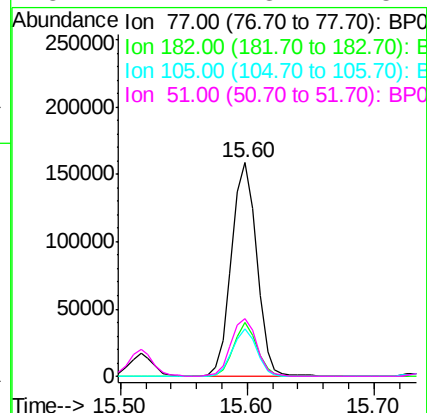
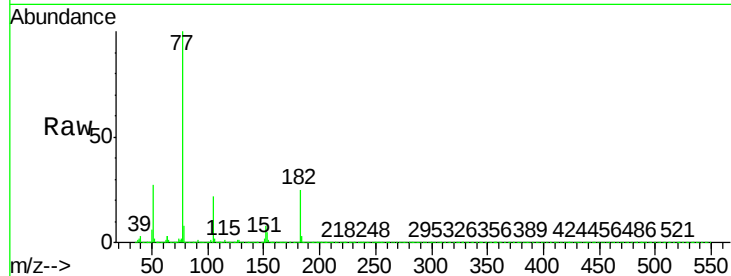




#63
Azobenzene
Concen: 9.003 ng
RT: 15.60 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

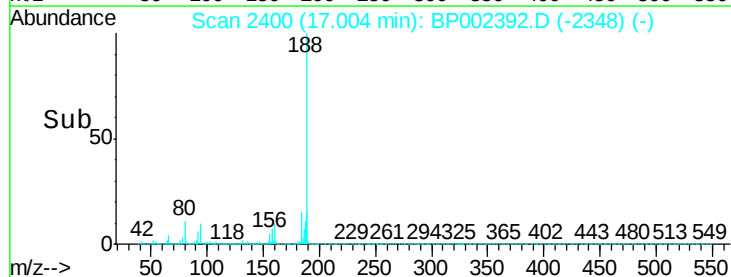
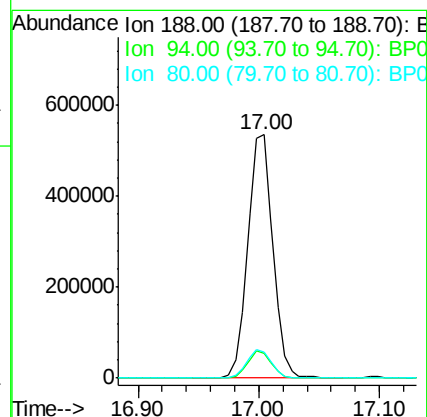
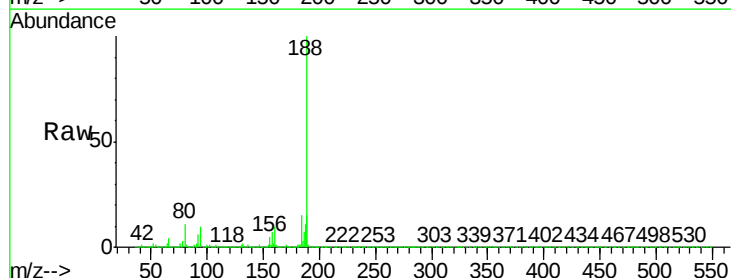
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

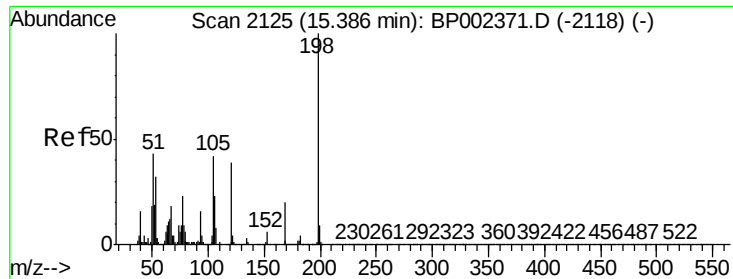
Tot Ion	Ratio	Lower	Upper
77	100		
182	25.0	6.0	46.0
105	22.1	1.3	41.3
51	27.2	8.7	48.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.00 min Scan# 2400
Delta R.T. 0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.9	9.4	14.0





#65

4,6-Dinitro-2-methylphenol

Concen: 5.825 ng

RT: 15.39 min Scan# 2125

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

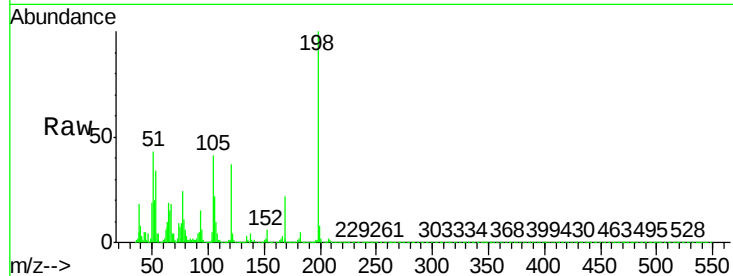
Tot Ion:198 Resp: 23878

Ion Ratio Lower Upper

198 100

51 43.0 23.4 63.4

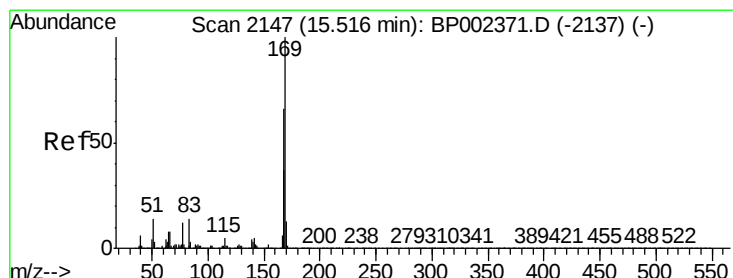
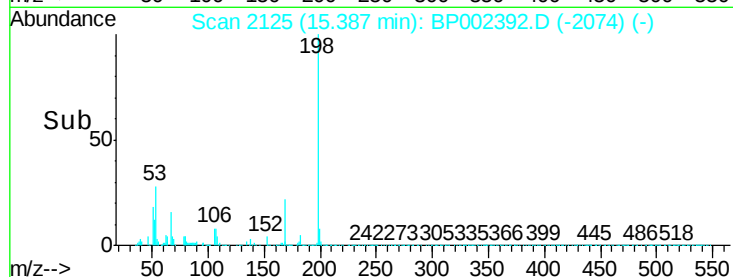
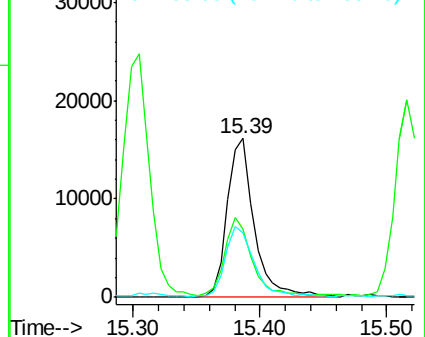
105 40.7 22.5 62.5



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 8.770 ng

RT: 15.52 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

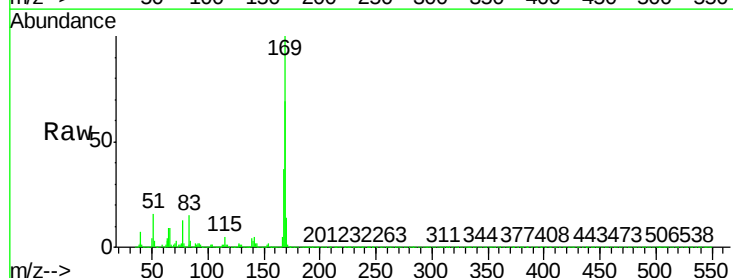
Tgt Ion:169 Resp: 174027

Ion Ratio Lower Upper

169 100

168 69.4 52.8 79.2

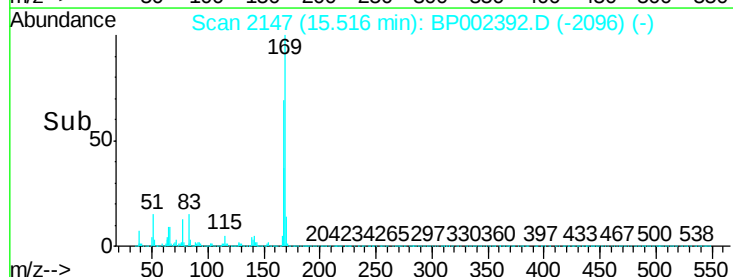
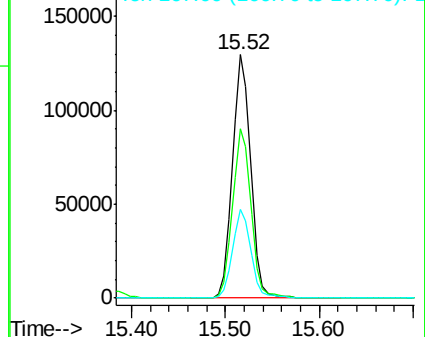
167 36.7 29.4 44.0

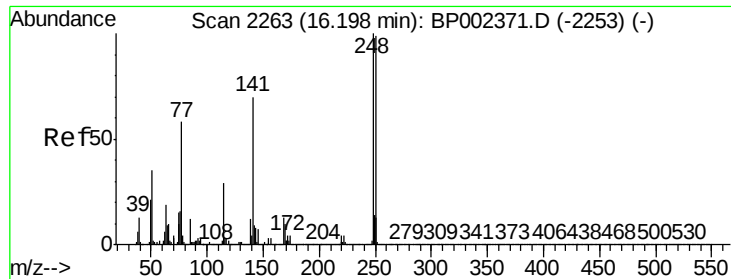


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

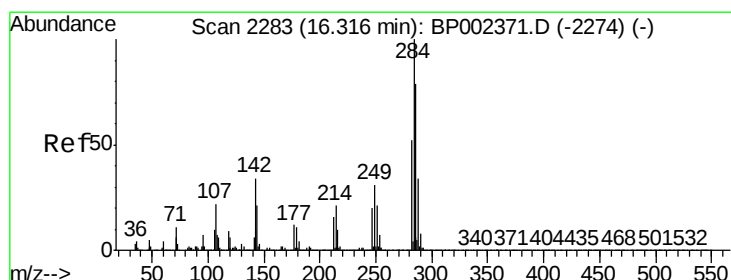
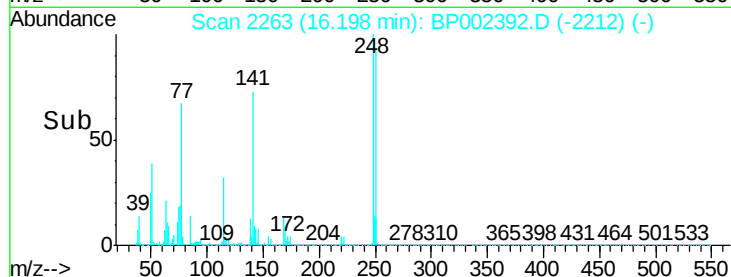
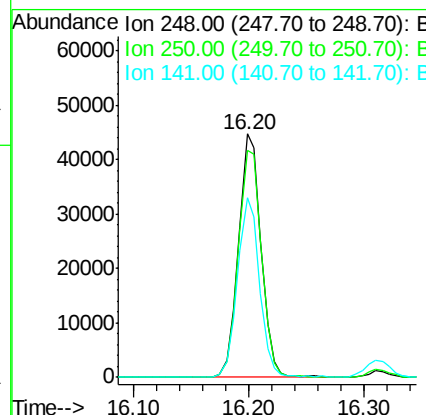
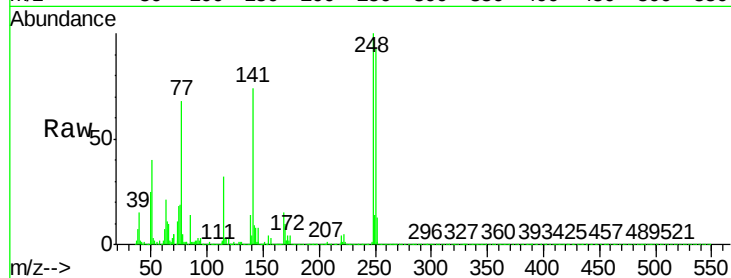




#67
4-Bromophenyl-phenylether
Concen: 8.194 ng
RT: 16.20 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

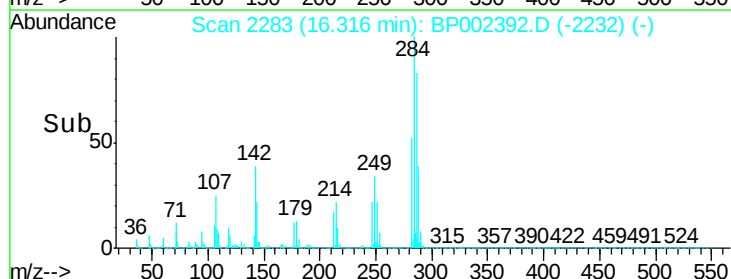
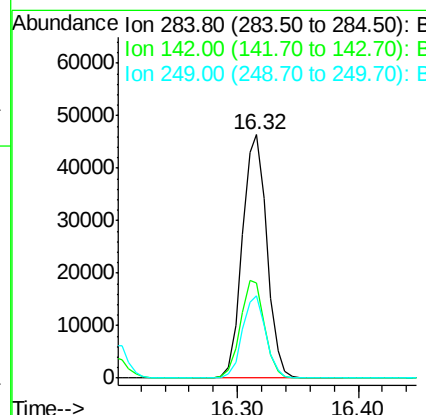
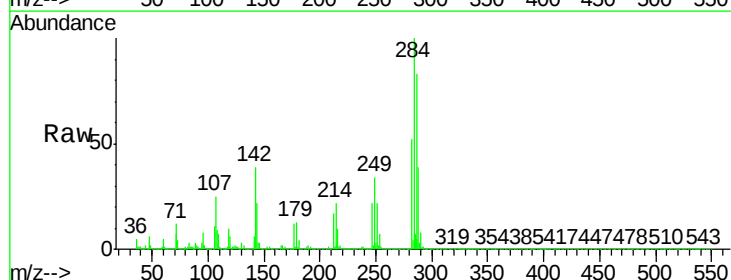
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

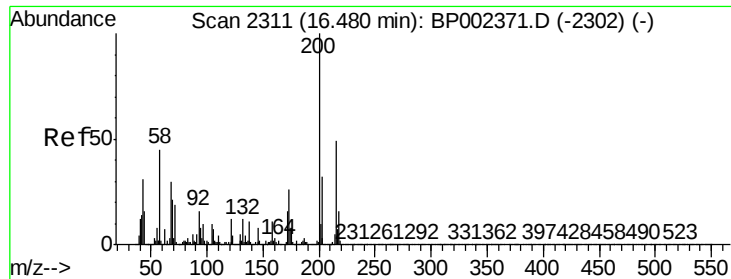
Tot Ion:248 Resp: 60300
Ion Ratio Lower Upper
248 100
250 93.3 79.3 118.9
141 73.6 55.7 83.5



#68
Hexachlorobenzene
Concen: 8.405 ng
RT: 16.32 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:284 Resp: 65632
Ion Ratio Lower Upper
284 100
142 39.1 27.4 41.0
249 33.8 24.9 37.3

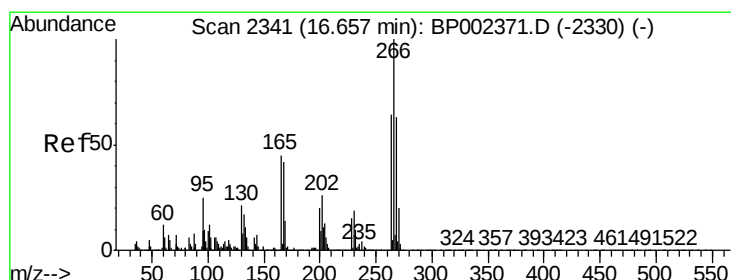
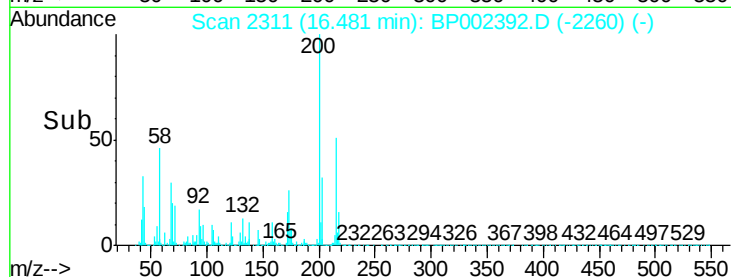
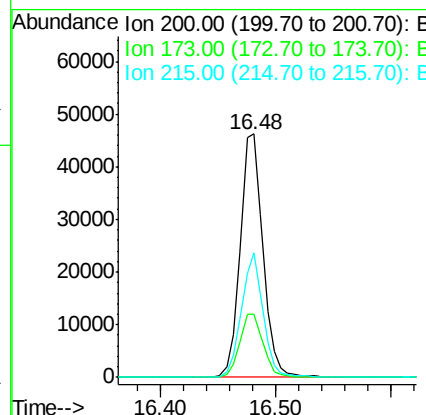
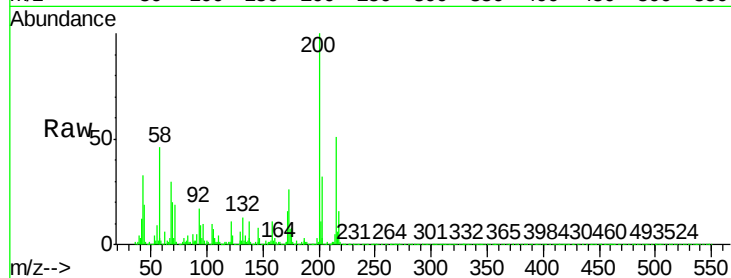




#69
Atrazine
Concen: 9.761 ng
RT: 16.48 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

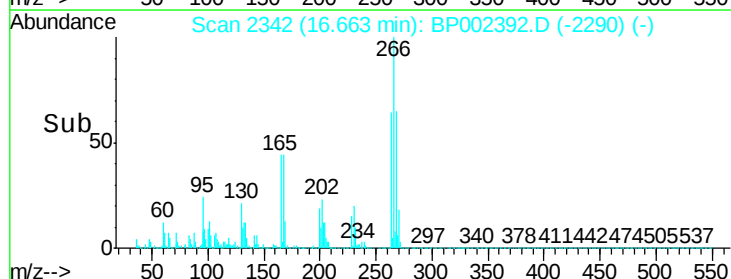
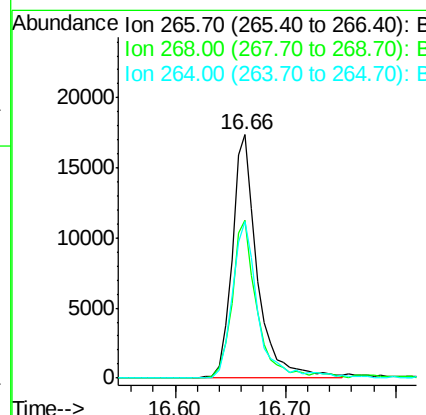
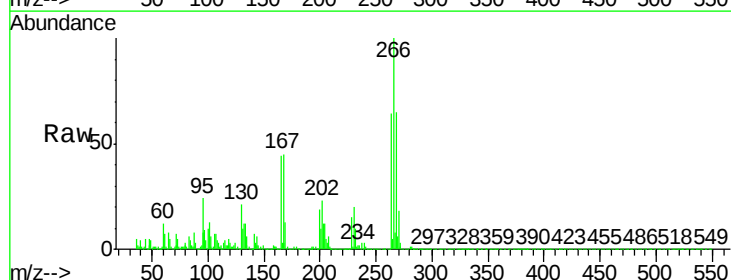
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

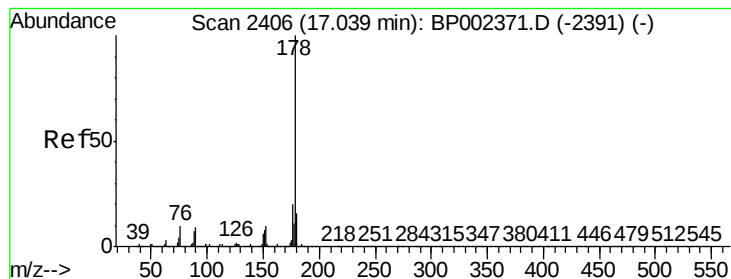
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.4	46.4
215	51.1	29.3	69.3



#70
Pentachlorophenol
Concen: 5.898 ng
RT: 16.66 min Scan# 2342
Delta R.T. 0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.5	75.7
264	64.2	51.4	77.0





#71

Phenanthrene

Concen: 9.319 ng

RT: 17.05 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

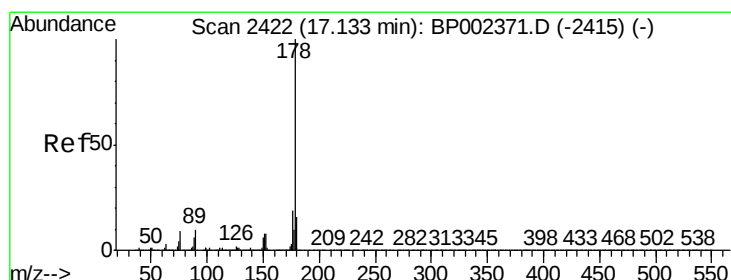
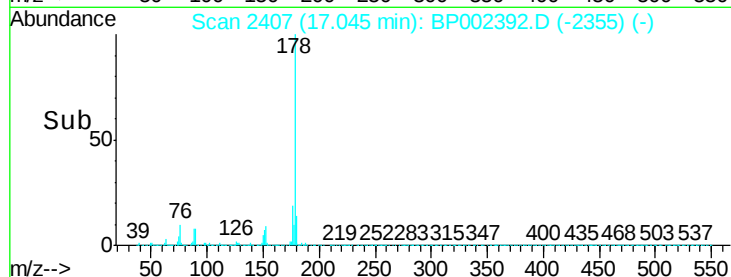
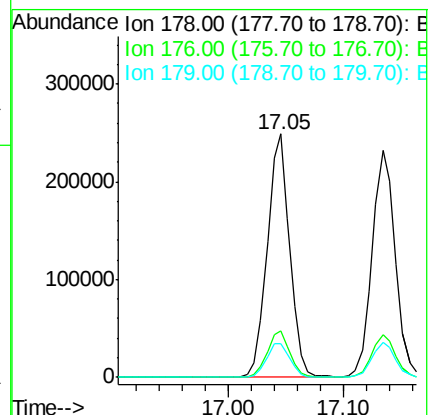
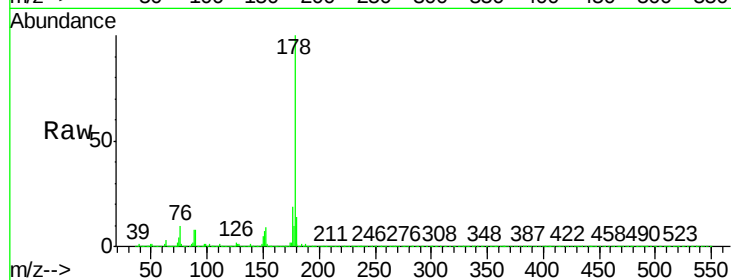
Tot Ion:178 Resp: 338638

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

179 13.9 12.5 18.7



#72

Anthracene

Concen: 9.018 ng

RT: 17.13 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

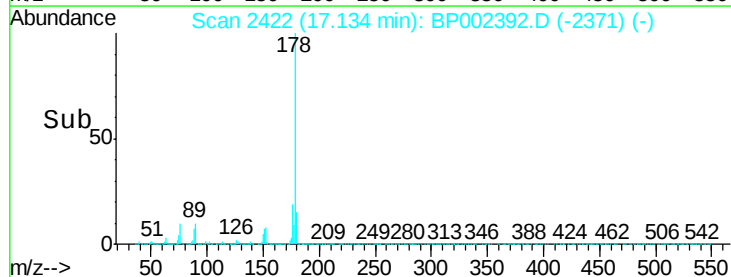
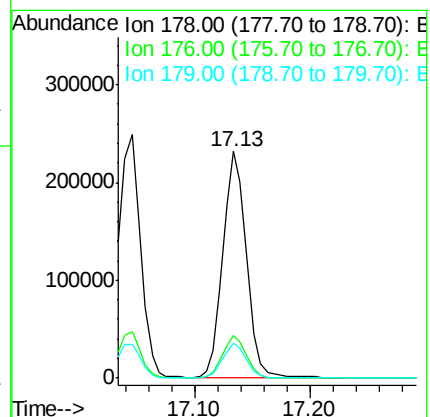
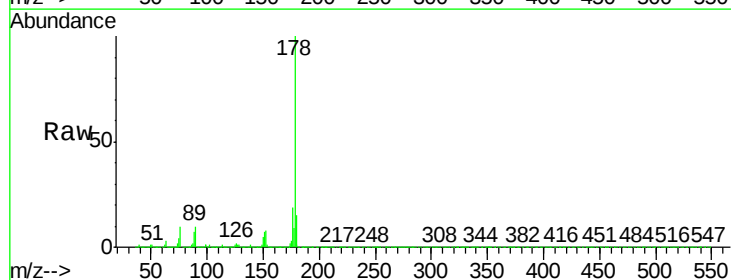
Tgt Ion:178 Resp: 325526

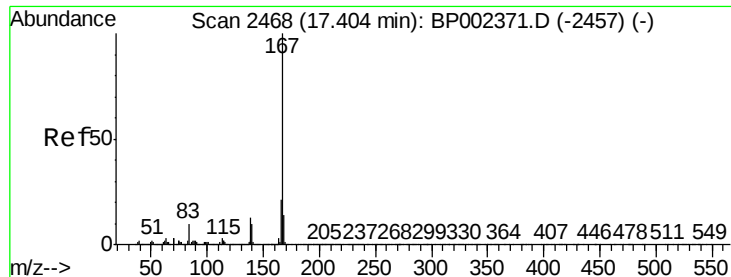
Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

179 15.4 13.0 19.4

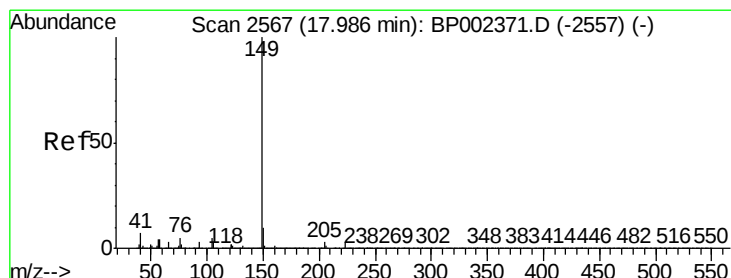
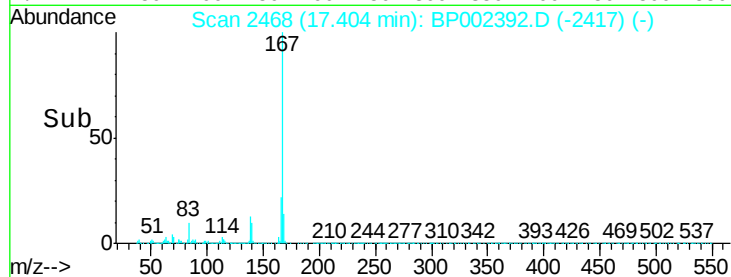
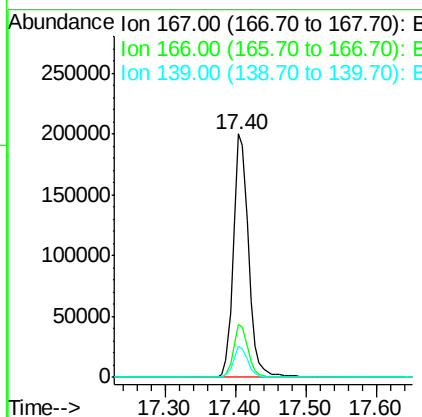
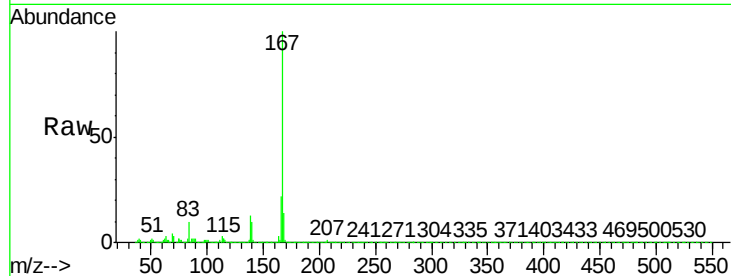




#73
 Carbazole
 Concen: 8.421 ng
 RT: 17.40 min Scan# 2468
 Delta R.T. 0.00 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 15:55

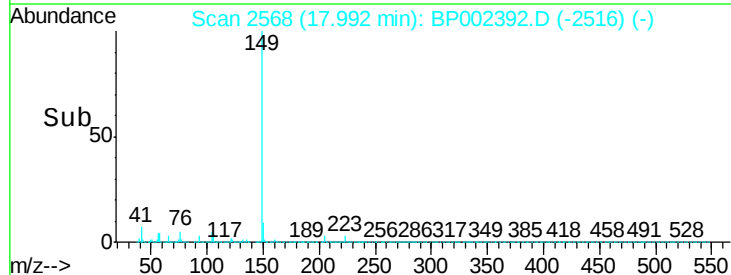
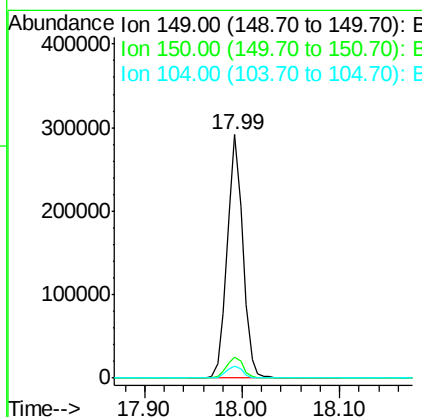
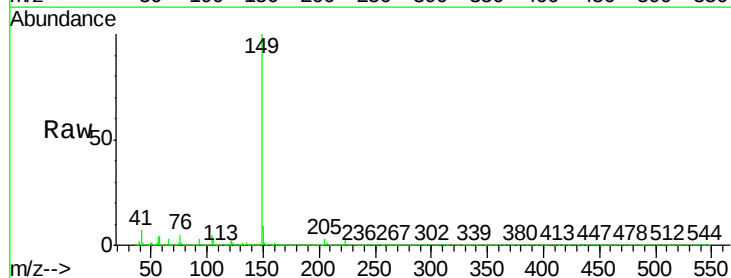
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

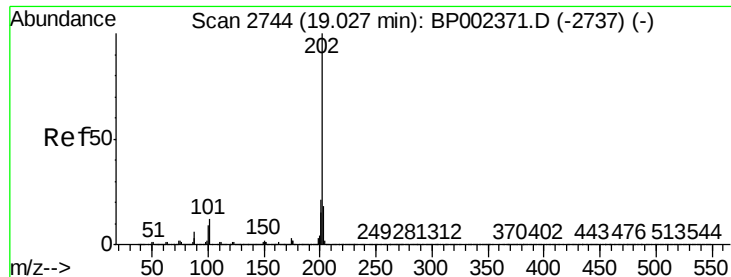
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	12.9	10.3	15.5



#74
 Di-n-butylphthalate
 Concen: 7.719 ng
 RT: 17.99 min Scan# 2568
 Delta R.T. 0.01 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.7	11.5
104	5.1	4.3	6.5





#75

Fluoranthene

Concen: 8.774 ng

RT: 19.03 min Scan# 2744

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

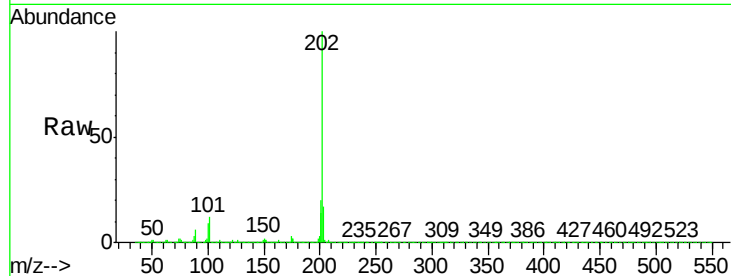
Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

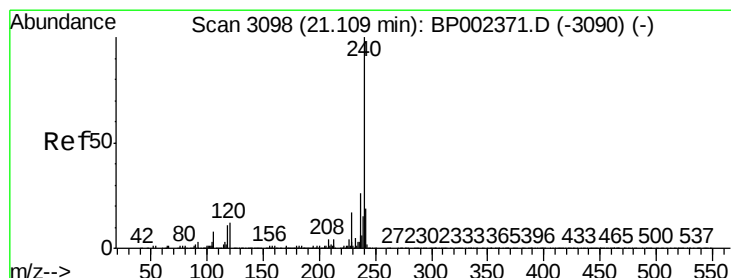
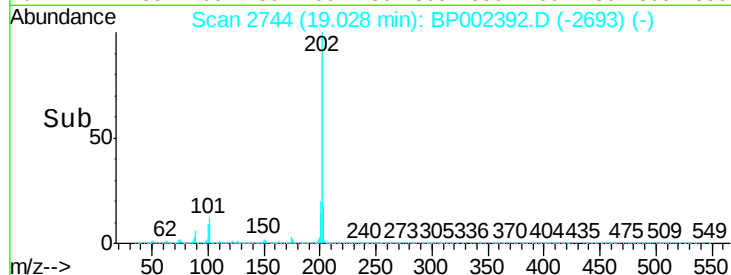
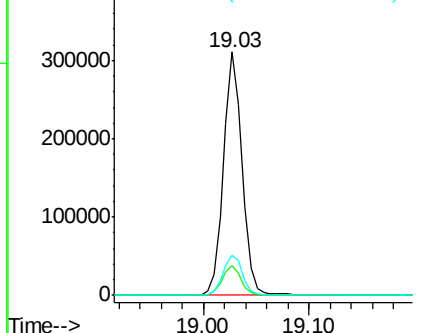
Tot Ion:	202	Resp:	380548
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	31.8
203	16.7	0.0	38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

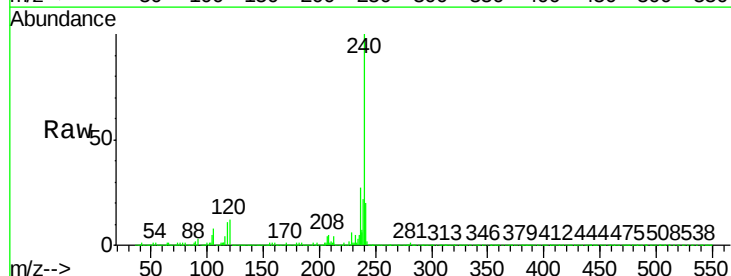
RT: 21.11 min Scan# 3098

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

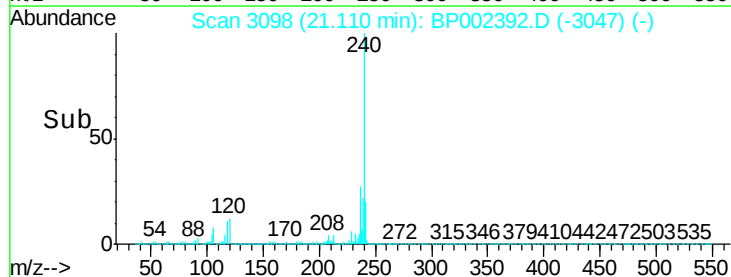
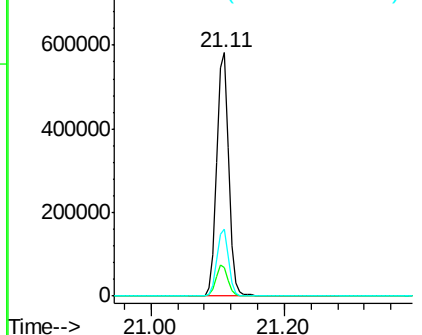
Tgt Ion:	240	Resp:	746410
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.3	13.9
236	27.3	21.0	31.6

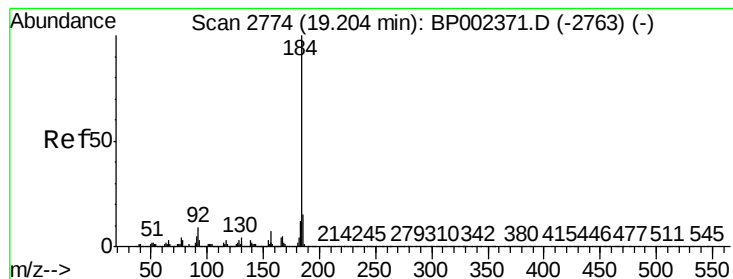


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 10.313 ng

RT: 19.21 min Scan# 2775

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

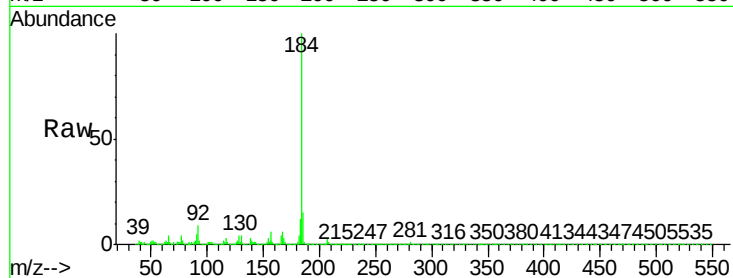
Tot Ion:184 Resp: 172001

Ion Ratio Lower Upper

184 100

185 14.9 11.8 17.8

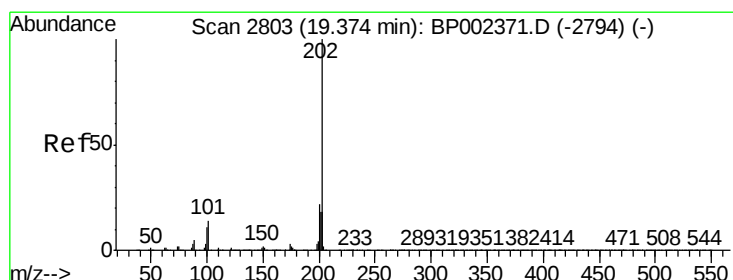
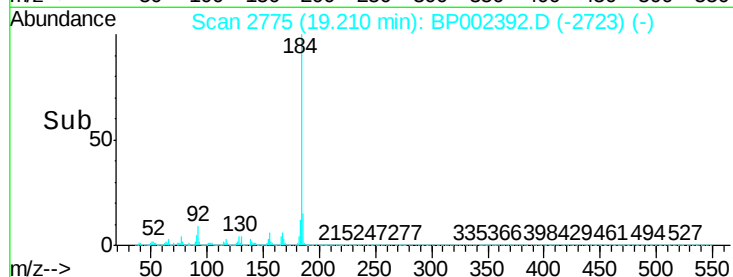
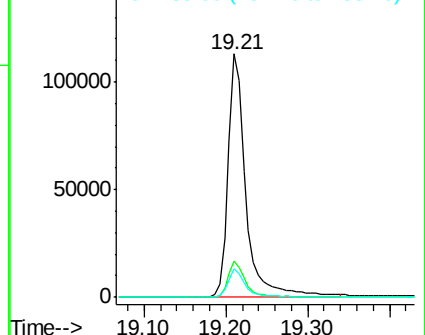
183 11.5 9.2 13.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.901 ng

RT: 19.38 min Scan# 2804

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

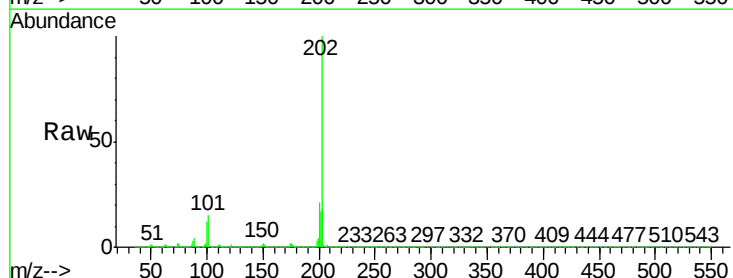
Tgt Ion:202 Resp: 406968

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

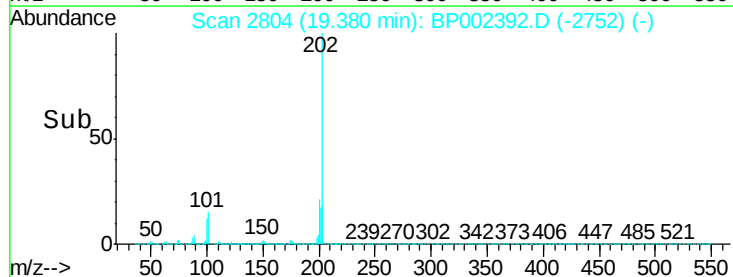
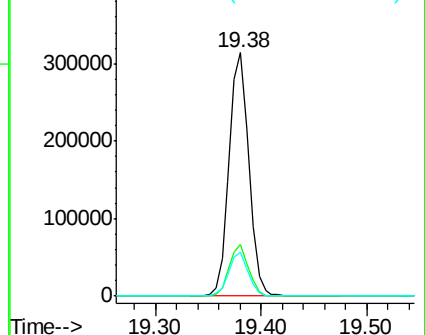
203 17.9 14.6 22.0

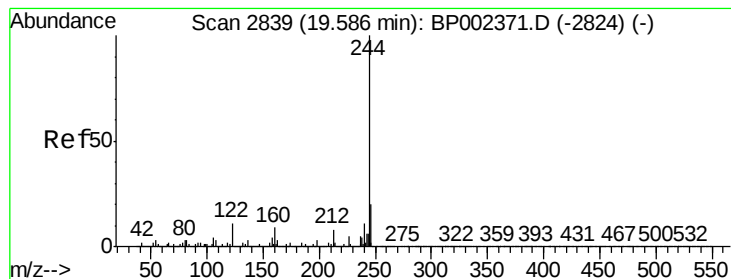


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 117.682 ng

RT: 19.59 min Scan# 2840

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

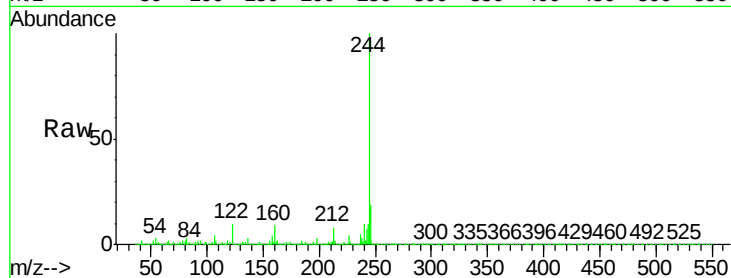
Tot Ion:244 Resp: 3352362

Ion Ratio Lower Upper

244 100

212 7.8 6.6 10.0

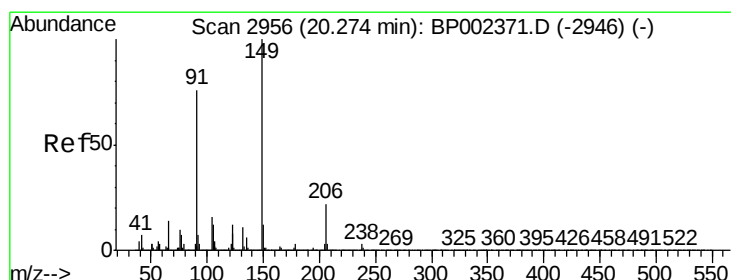
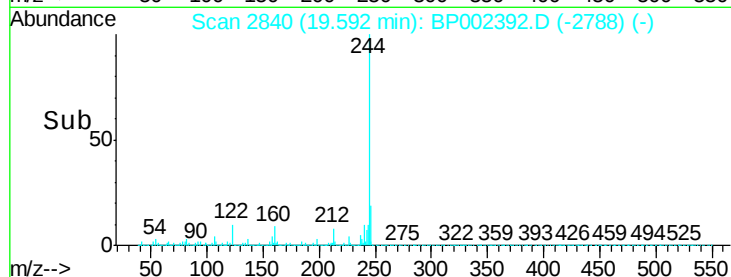
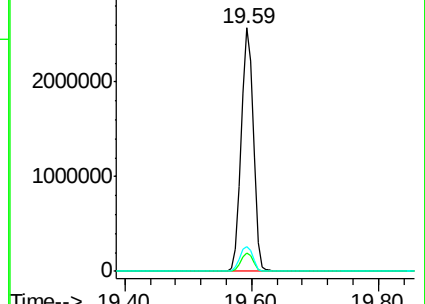
122 10.2 8.8 13.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 6.761 ng

RT: 20.28 min Scan# 2957

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

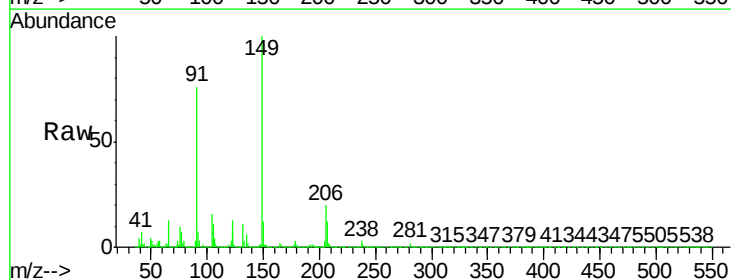
Tgt Ion:149 Resp: 137418

Ion Ratio Lower Upper

149 100

91 76.1 61.2 91.8

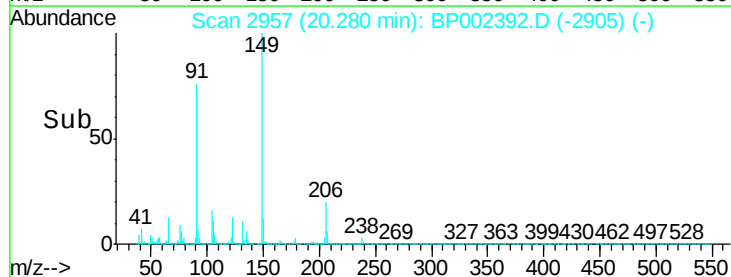
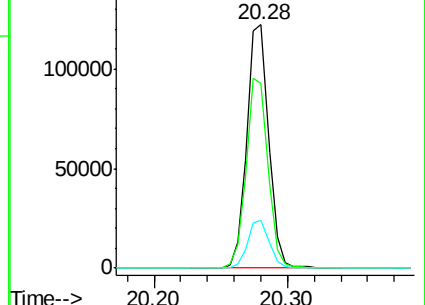
206 19.7 17.8 26.6

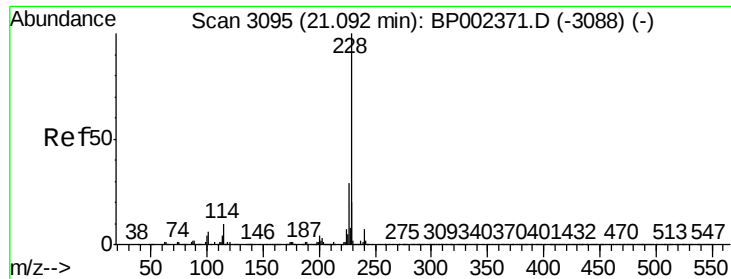


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

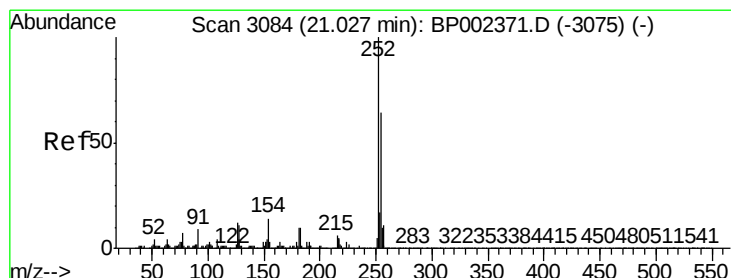
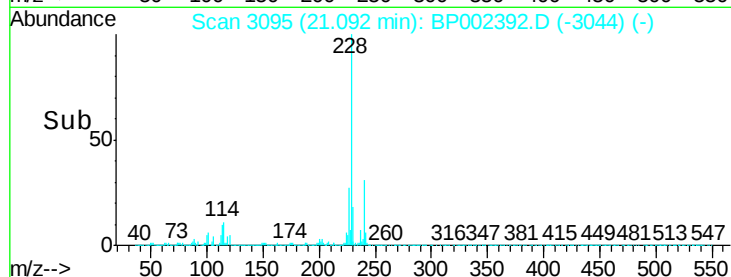
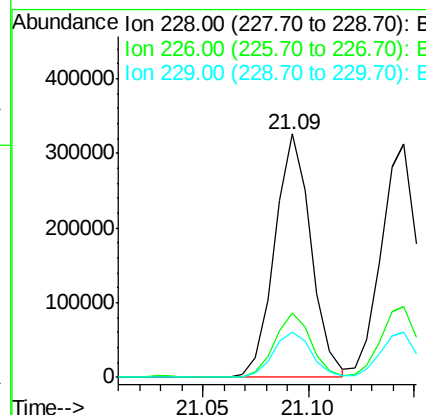
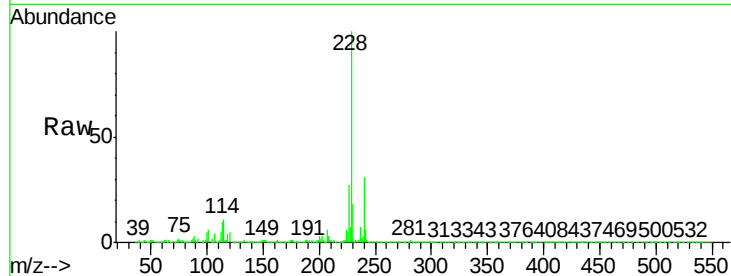




#81
Benzo(a)anthracene
Concen: 9.150 ng
RT: 21.09 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

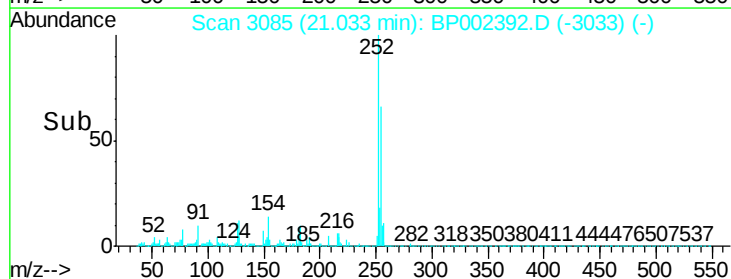
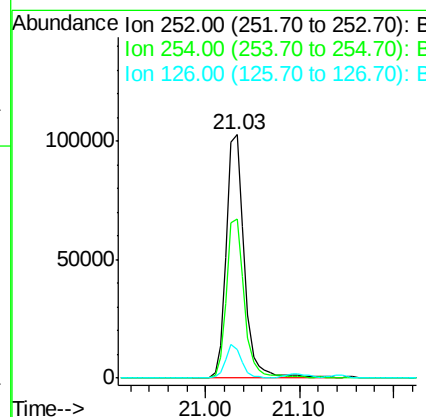
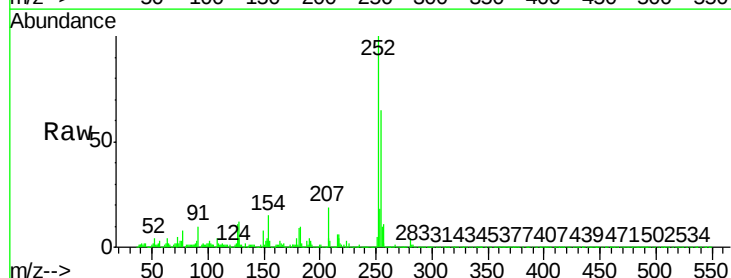
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

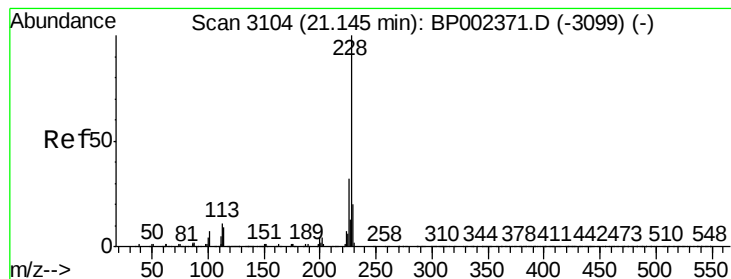
Tot Ion:228 Resp: 389838
Ion Ratio Lower Upper
228 100
226 26.7 22.8 34.2
229 18.4 16.2 24.2



#82
3,3'-Dichlorobenzidine
Concen: 8.682 ng
RT: 21.03 min Scan# 3085
Delta R.T. 0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion:252 Resp: 137466
Ion Ratio Lower Upper
252 100
254 65.5 51.4 77.2
126 11.5 9.2 13.8





#83

Chrysene

Concen: 9.516 ng

RT: 21.15 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

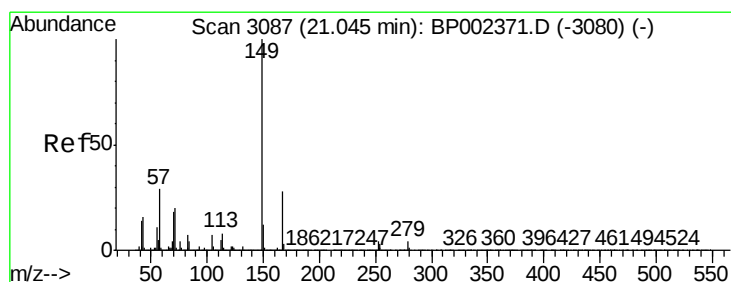
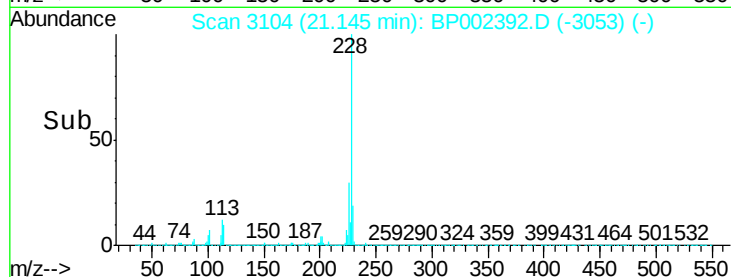
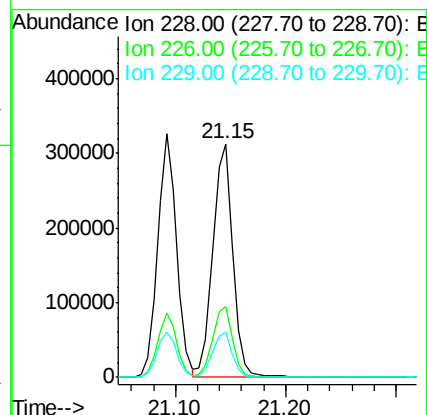
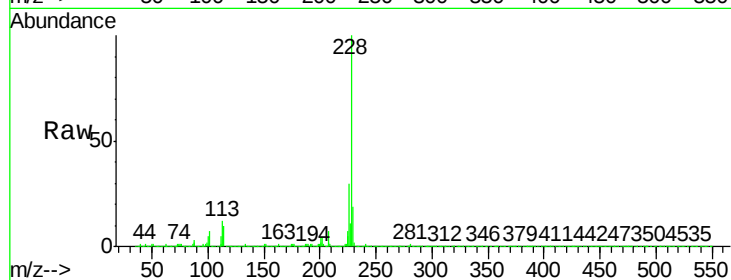
Tot Ion:228 Resp: 384128

Ion Ratio Lower Upper

228 100

226 30.5 25.2 37.8

229 19.3 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.792 ng

RT: 21.05 min Scan# 3088

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

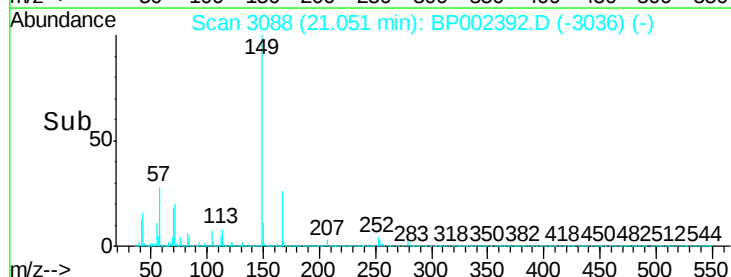
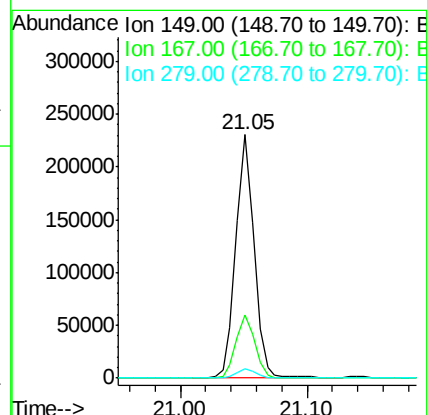
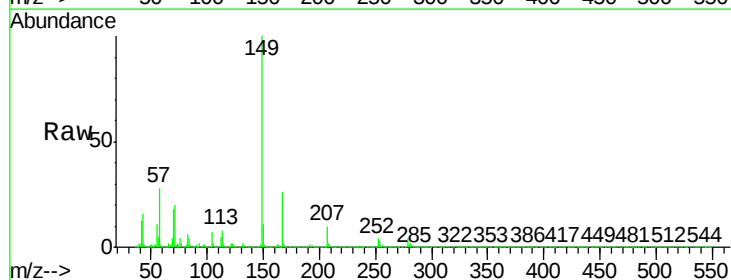
Tgt Ion:149 Resp: 230358

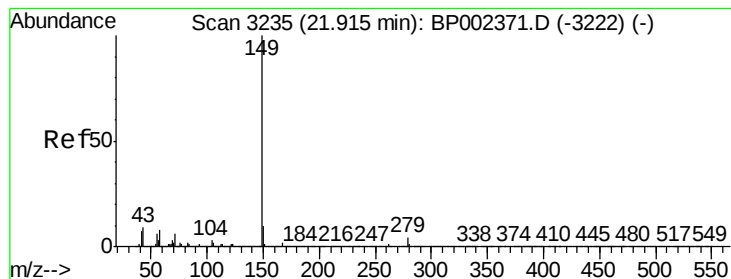
Ion Ratio Lower Upper

149 100

167 25.8 22.3 33.5

279 3.8 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 7.173 ng

RT: 21.92 min Scan# 3235

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

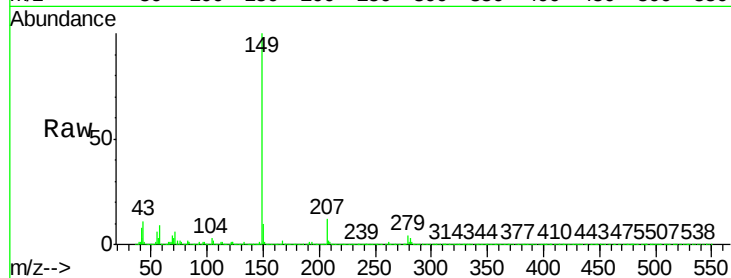
Tot Ion:149 Resp: 371932

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

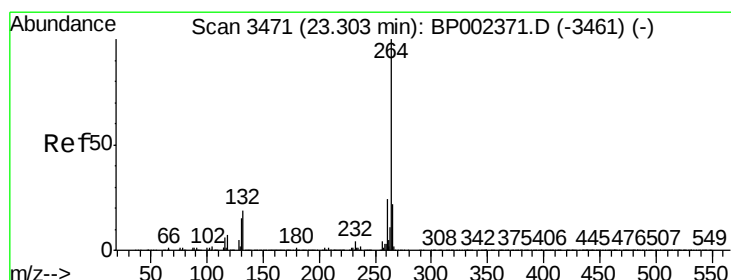
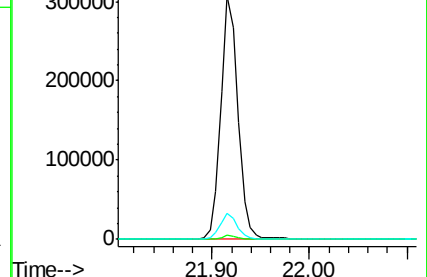
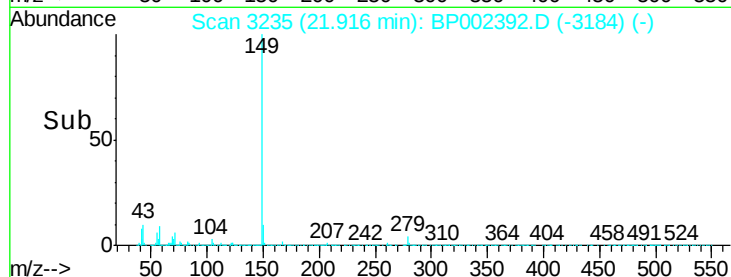
43 10.4 7.8 11.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): B



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.31 min Scan# 3472

Delta R.T. 0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

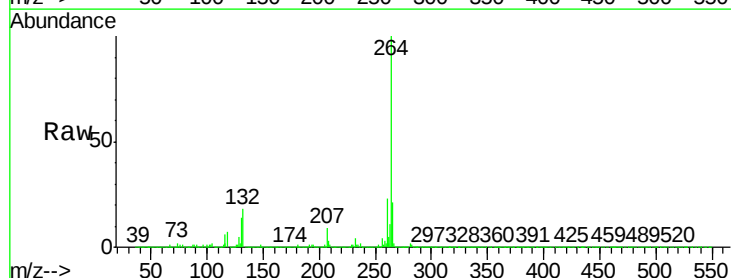
Tgt Ion:264 Resp: 820757

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

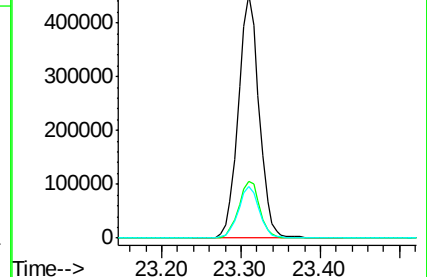
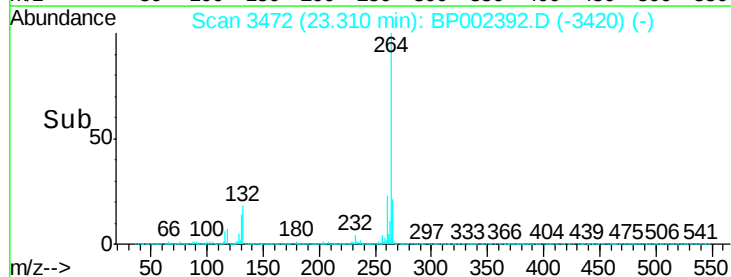
265 21.0 17.4 26.2

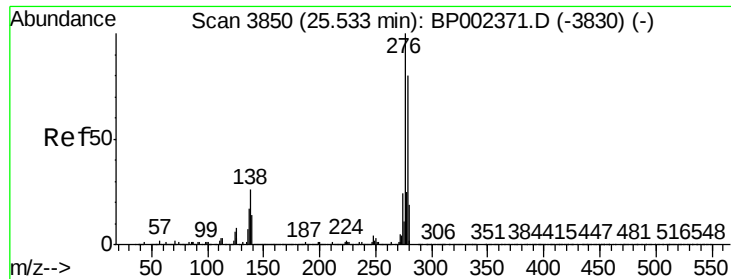


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

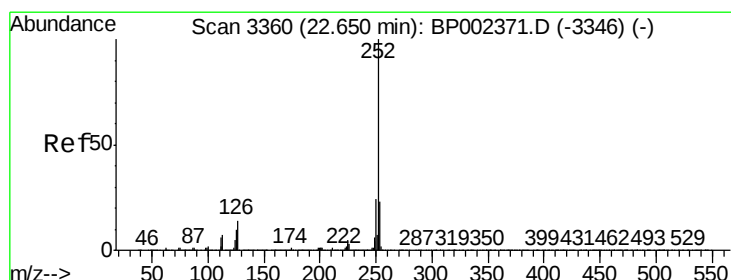
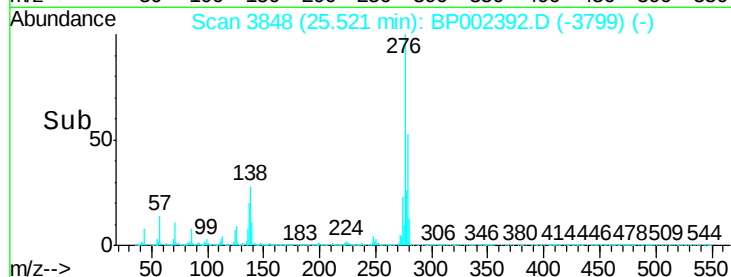
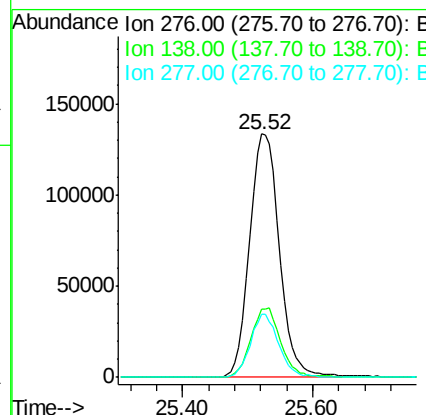
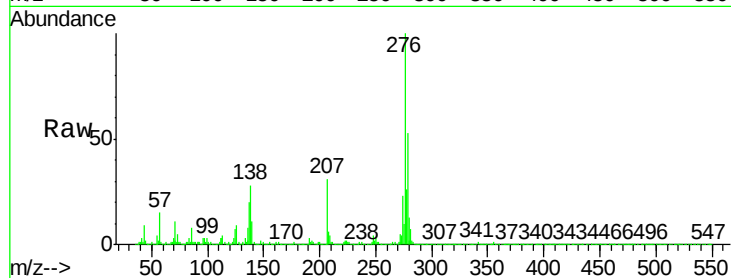




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.263 ng
 RT: 25.52 min Scan# 3848
 Delta R.T. -0.01 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 15:55

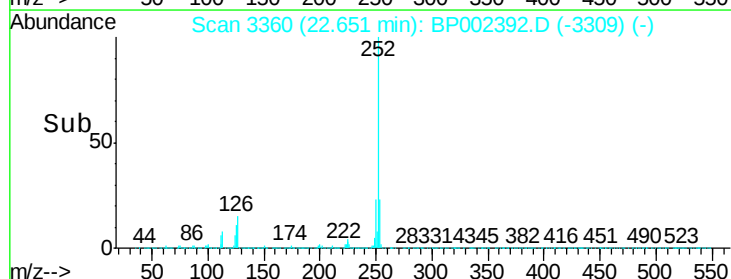
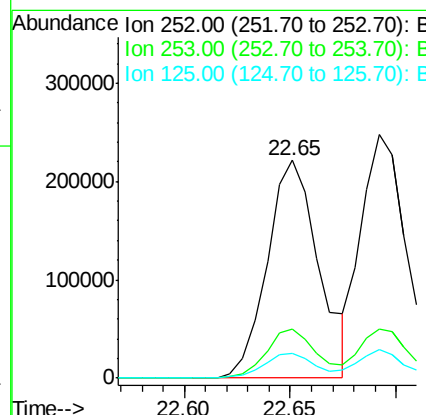
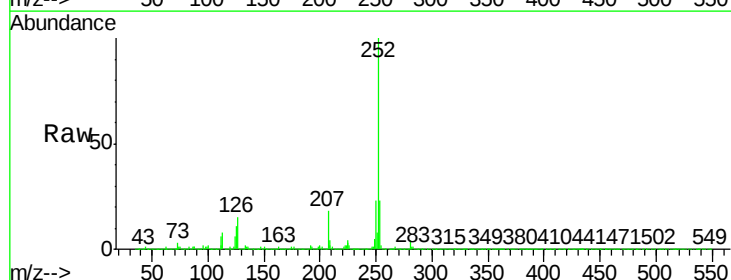
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

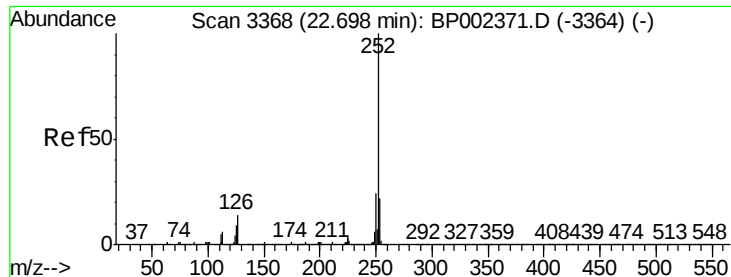
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.7	21.2	31.8
277	24.5	20.3	30.5



#88
 Benzo(b)fluoranthene
 Concen: 8.495 ng
 RT: 22.65 min Scan# 3360
 Delta R.T. 0.00 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.5	8.2	12.2

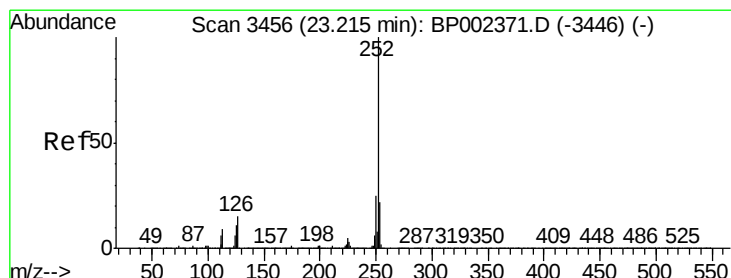
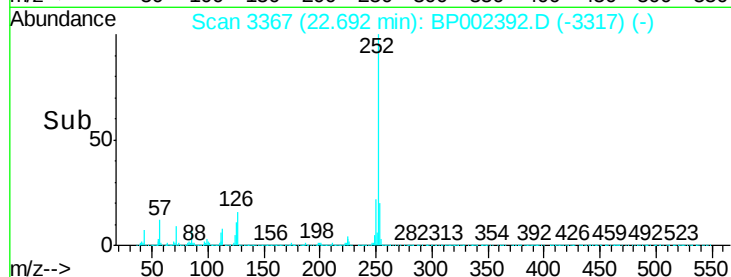
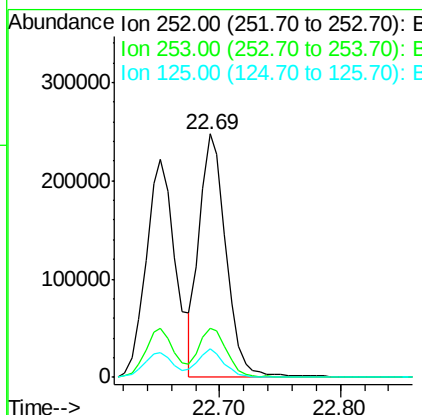
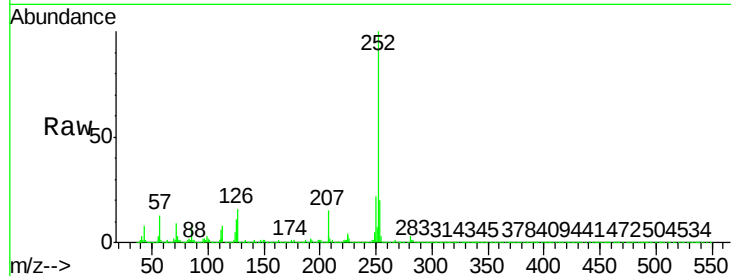




#89
Benzo(k)fluoranthene
Concen: 8.918 ng
RT: 22.69 min Scan# 3367
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

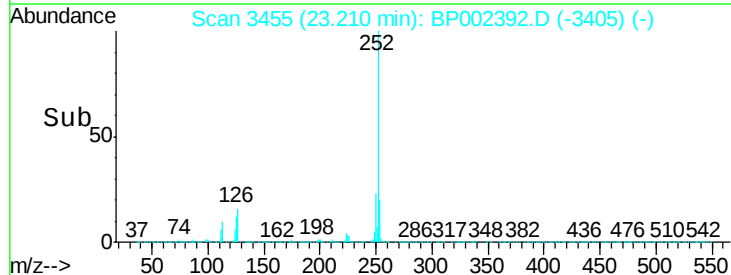
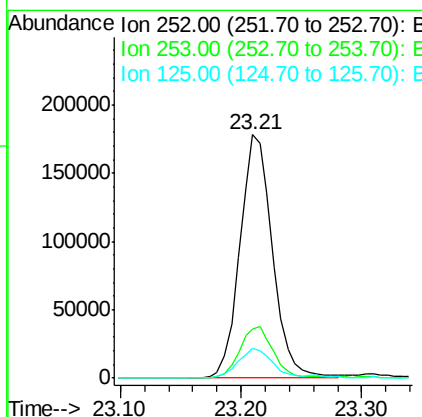
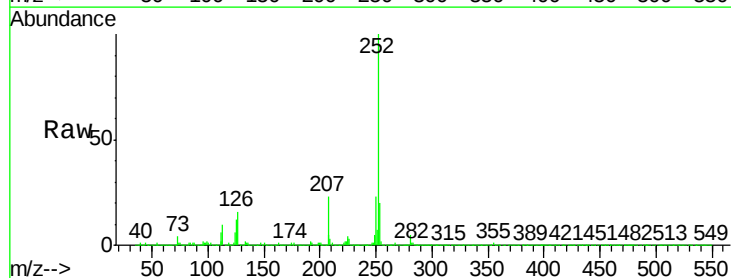
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

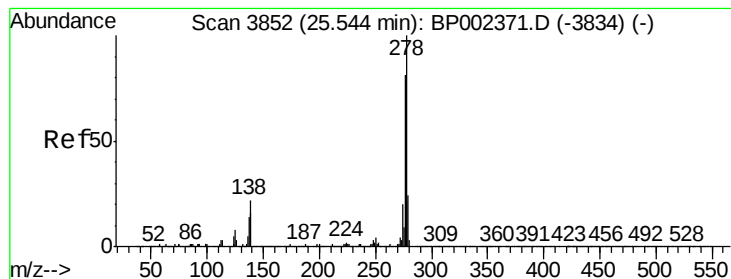
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.8	26.6
125	11.5	7.8	11.8



#90
Benzo(a)pyrene
Concen: 8.087 ng
RT: 23.21 min Scan# 3455
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 15:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.8	26.8
125	12.1	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 8.645 ng

RT: 25.54 min Scan# 3851

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

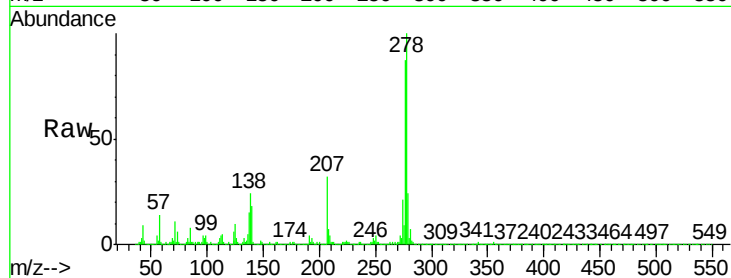
Tot Ion:278 Resp: 356013

Ion Ratio Lower Upper

278 100

139 17.9 13.1 19.7

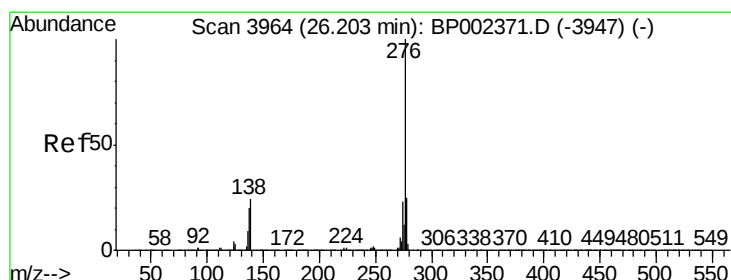
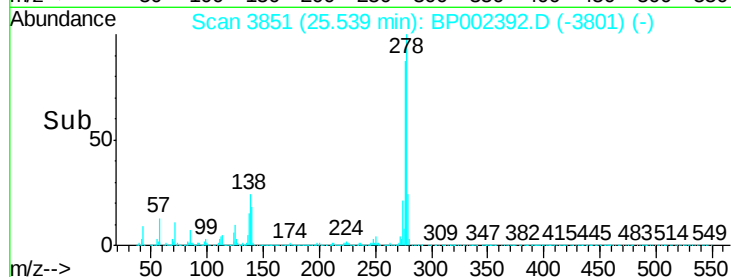
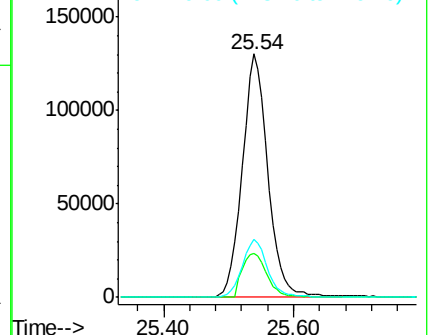
279 24.0 18.9 28.3



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.252 ng

RT: 26.20 min Scan# 3963

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 15:55

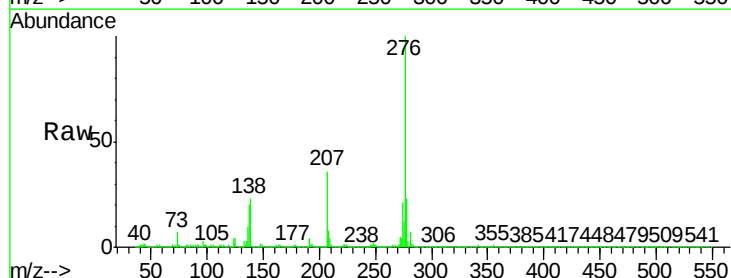
Tgt Ion:276 Resp: 351947

Ion Ratio Lower Upper

276 100

277 23.2 19.8 29.6

138 22.5 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

