

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061120\
 Data File : BP002392.D
 Acq On : 11 Jun 2020 14:45
 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 15:21:28 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	143020	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	574886	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	362330	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	772483	20.00	ng	0.00
76) Chrysene-d12	21.10	240	711604	20.00	ng	-0.01
86) Perylene-d12	23.30	264	788871	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1348306	174.45	ng	0.00
7) Phenol-d6	6.78	99	1821995	177.06	ng	0.00
23) Nitrobenzene-d5	8.73	82	1230503	127.82	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	639405	184.32	ng	0.00
45) 2-Fluorobiphenyl	12.86	172	2501650	116.09	ng	0.00
79) Terphenyl-d14	19.59	244	3381032	124.49	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.16	88	32956	9.257	ng	99
3) Pyridine	3.55	79	77443	8.003	ng	97
4) n-Nitrosodimethylamine	3.46	42	32822	8.231	ng	98
6) Aniline	6.92	93	121789	8.702	ng	98
8) 2-Chlorophenol	7.16	128	74254	8.544	ng	93
9) Benzaldehyde	6.73	77	71830	13.662	ng	96
10) Phenol	6.80	94	97963	8.777	ng	99
11) bis(2-Chloroethyl)ether	7.02	93	80268	8.614	ng	98
12) 1,3-Dichlorobenzene	7.48	146	83960	8.390	ng	96
13) 1,4-Dichlorobenzene	7.62	146	83304	8.274	ng	97
14) 1,2-Dichlorobenzene	7.94	146	80168	8.312	ng	99
15) Benzyl Alcohol	7.83	79	62530	7.840	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.13	45	112052	8.475	ng	99
17) 2-Methylphenol	8.04	107	63309	7.763	ng	99
18) Hexachloroethane	8.66	117	31031	8.460	ng	92
19) n-Nitroso-di-n-propylamine	8.39	70	62816	9.132	ng	99
20) 3+4-Methylphenols	8.36	107	84792	7.704	ng	97
22) Acetophenone	8.40	105	125099	9.686	ng	99
24) Nitrobenzene	8.78	77	97358	9.408	ng	98
25) Isophorone	9.30	82	173190	8.834	ng	99
26) 2-Nitrophenol	9.49	139	36069	7.822	ng	97
27) 2,4-Dimethylphenol	9.56	122	57492	7.948	ng	99
28) bis(2-Chloroethoxy)methane	9.79	93	107746	9.226	ng	99
29) 2,4-Dichlorophenol	10.02	162	65721	8.071	ng	97
30) 1,2,4-Trichlorobenzene	10.23	180	77253	8.511	ng	97
31) Naphthalene	10.41	128	247855	9.280	ng	100
32) Benzoic acid	9.64	122	8135	1.478	ng	88
33) 4-Chloroaniline	10.52	127	98235	8.425	ng	98
34) Hexachlorobutadiene	10.72	225	42778	8.076	ng	95
35) Caprolactam	11.26	113	22848	7.955	ng	96
36) 4-Chloro-3-methylphenol	11.66	107	74020	8.401	ng	96
37) 2-Methylnaphthalene	12.03	142	176788	9.326	ng	100
38) 1-Methylnaphthalene	12.26	142	169915	9.550	ng	96
40) 1,2,4,5-Tetrachlorobenzene	12.41	216	89983	9.421	ng	99

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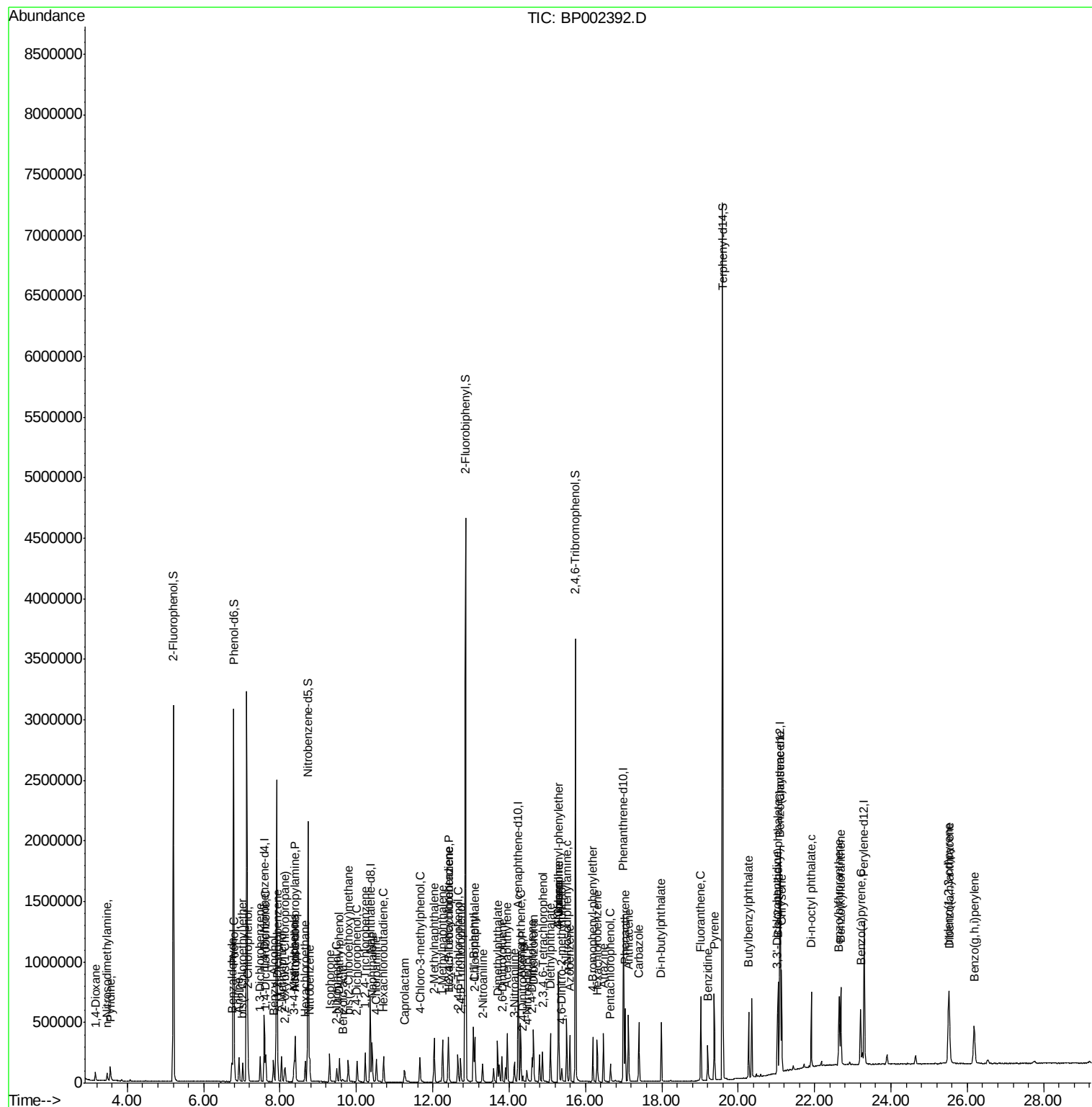
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.40	237	35064	6.905	ng	98
43) 2,4,6-Trichlorophenol	12.66	196	51217	7.577	ng	98
44) 2,4,5-Trichlorophenol	12.73	196	57057	7.290	ng	97
46) 1,1'-Biphenyl	13.06	154	234802	9.888	ng	99
47) 2-Chloronaphthalene	13.10	162	172317	8.871	ng	98
48) 2-Nitroaniline	13.30	65	44604	7.193	ng	93
49) Acenaphthylene	13.95	152	274386	8.850	ng	99
50) Dimethylphthalate	13.70	163	212872	8.574	ng	99
51) 2,6-Dinitrotoluene	13.81	165	42640	7.908	ng	94
52) Acenaphthene	14.30	154	165367	9.105	ng	97
53) 3-Nitroaniline	14.14	138	42376	6.883	ng	99
54) 2,4-Dinitrophenol	14.35	184	12074	4.083	ng	99
55) Dibenzofuran	14.64	168	270925	9.265	ng	100
56) 4-Nitrophenol	14.46	139	28949	5.922	ng	91
57) 2,4-Dinitrotoluene	14.60	165	52990	7.220	ng	94
58) Fluorene	15.29	166	211102	9.179	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.87	232	47912	7.711	ng	96
60) Diethylphthalate	15.08	149	215325	8.656	ng	97
61) 4-Chlorophenyl-phenylether	15.30	204	107504	9.643	ng	96
62) 4-Nitroaniline	15.30	138	42433	7.173	ng	95
63) Azobenzene	15.59	77	224627	9.072	ng	95
65) 4,6-Dinitro-2-methylphenol	15.37	198	24707	6.061	ng	88
66) n-Nitrosodiphenylamine	15.51	169	185382	9.394	ng	99
67) 4-Bromophenyl-phenylether	16.19	248	60685	8.293	ng	96
68) Hexachlorobenzene	16.31	284	71289	9.181	ng	99
69) Atrazine	16.47	200	65268	10.139	ng	98
70) Pentachlorophenol	16.66	266	28745	6.187	ng	99
71) Phenanthrene	17.03	178	345896	9.572	ng	99
72) Anthracene	17.13	178	334771	9.326	ng	99
73) Carbazole	17.40	167	303628	8.598	ng	99
74) Di-n-butylphthalate	17.99	149	337429	8.074	ng	98
75) Fluoranthene	19.02	202	390281	9.048	ng	99
77) Benzidine	19.20	184	169413	10.654	ng	98
78) Pyrene	19.37	202	410429	9.416	ng	100
80) Butylbenzylphthalate	20.27	149	139709	7.210	ng	97
81) Benzo(a)anthracene	21.09	228	379511	9.343	ng	99
82) 3,3'-Dichlorobenzidine	21.02	252	140046	9.278	ng	98
83) Chrysene	21.13	228	392657	10.203	ng	96
84) Bis(2-ethylhexyl)phthalate	21.05	149	235156	8.343	ng	95
85) Di-n-octyl phthalate	21.91	149	376066	7.607	ng	98
87) Indeno(1,2,3-cd)pyrene	25.51	276	426532	8.645	ng	98
88) Benzo(b)fluoranthene	22.64	252	361958	8.508	ng	98
89) Benzo(k)fluoranthene	22.69	252	379596	9.391	ng	99
90) Benzo(a)pyrene	23.20	252	328869	8.249	ng	99
91) Dibenzo(a,h)anthracene	25.53	278	354594	8.959	ng	99
92) Benzo(g,h,i)perylene	26.18	276	358349	8.742	ng	97

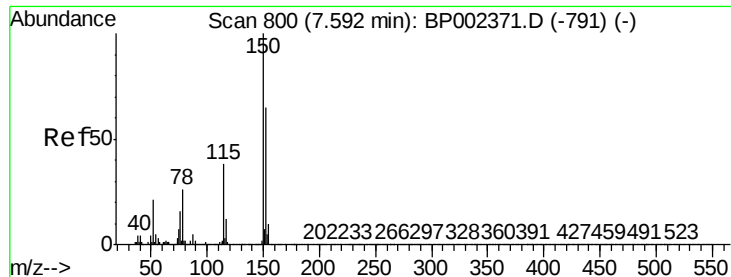
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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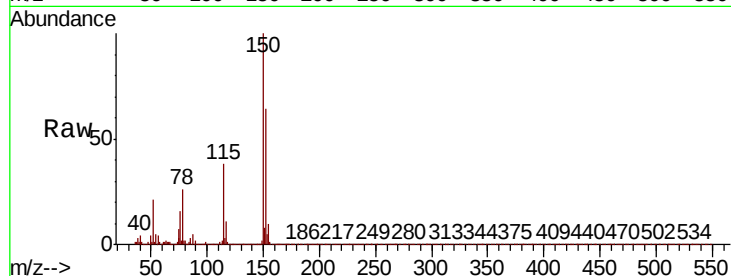


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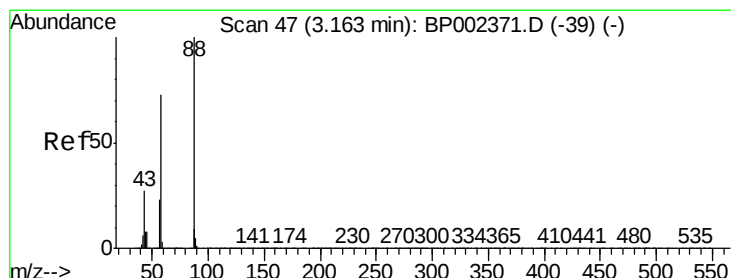
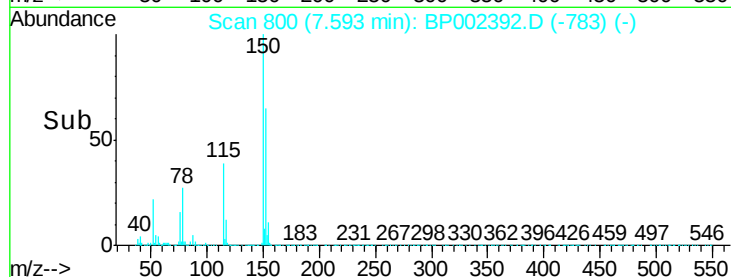
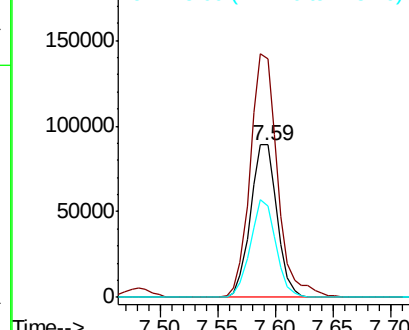
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.59 min Scan# 800
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

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

Tot Ion:152 Resp: 143020
Ion Ratio Lower Upper
152 100
150 155.9 124.0 186.0
115 59.8 47.4 71.0



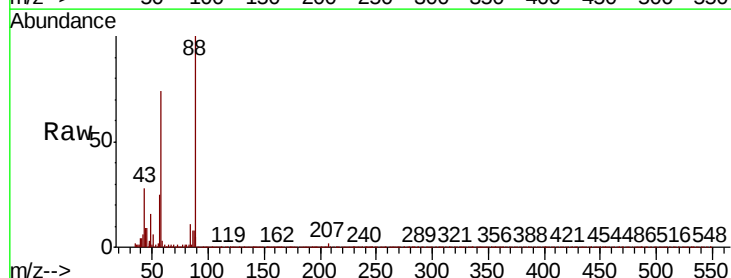
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



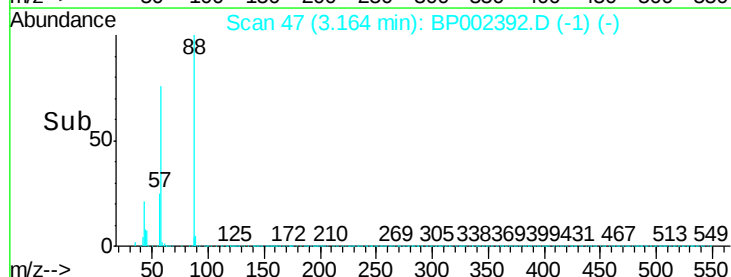
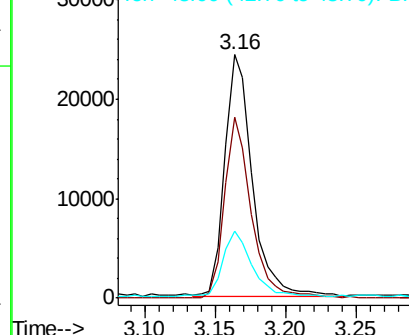
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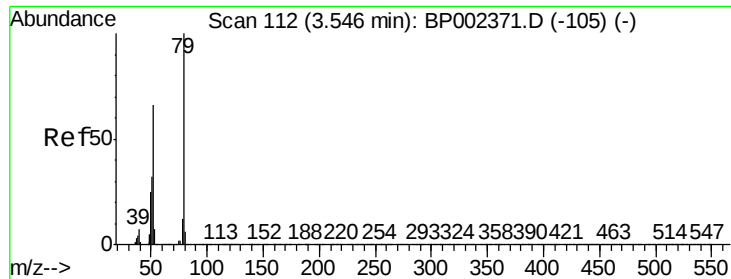
1,4-Dioxane
Concen: 9.257 ng
RT: 3.16 min Scan# 47
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion: 88 Resp: 32956
Ion Ratio Lower Upper
88 100
58 72.5 58.2 87.4
43 28.6 21.8 32.8



Abundance Ion 88.00 (87.70 to 88.70): BP0
Ion 58.00 (57.70 to 58.70): BP0
Ion 43.00 (42.70 to 43.70): BP0

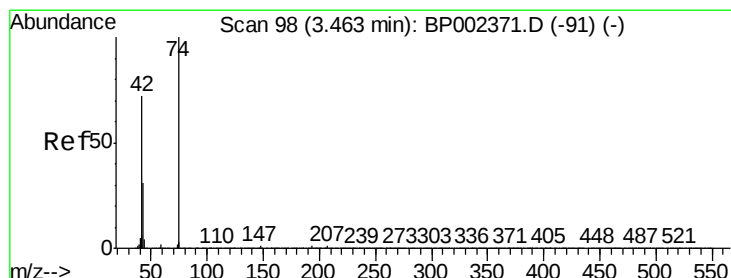
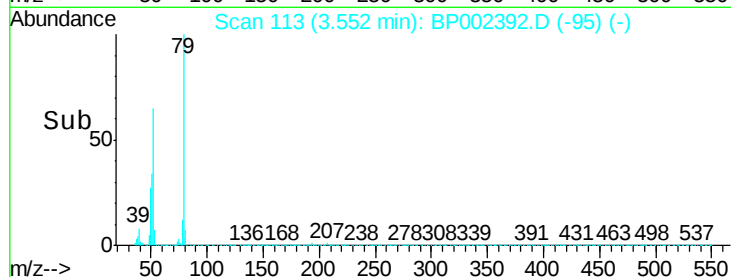
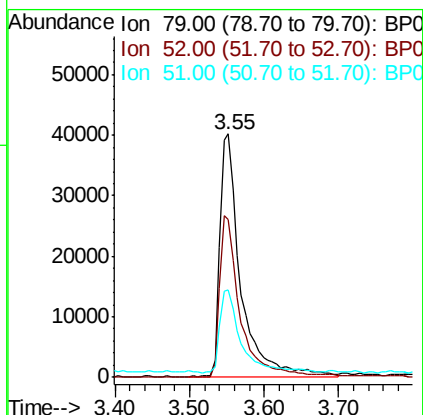
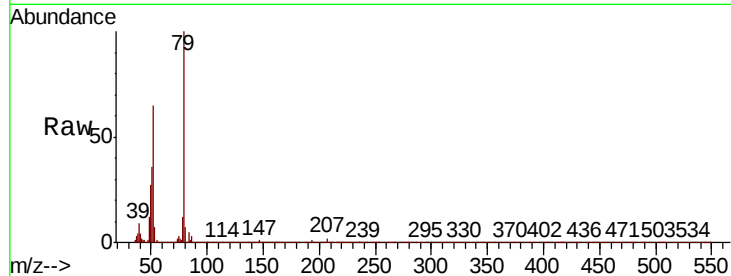




#3
 Pvridine
 Concen: 8.003 ng
 RT: 3.55 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 14:45

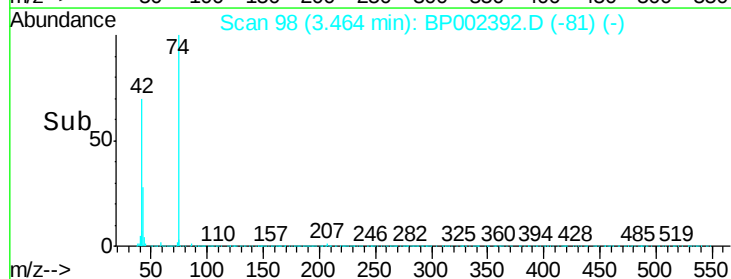
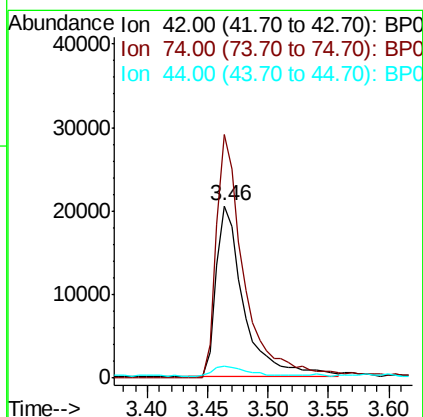
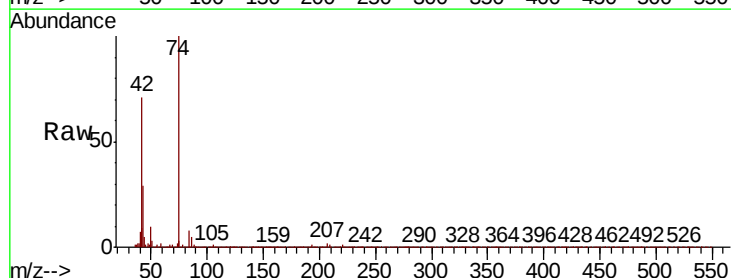
Instrument :
 BNA_P
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 MDL-SOIL-03-QT1-2020

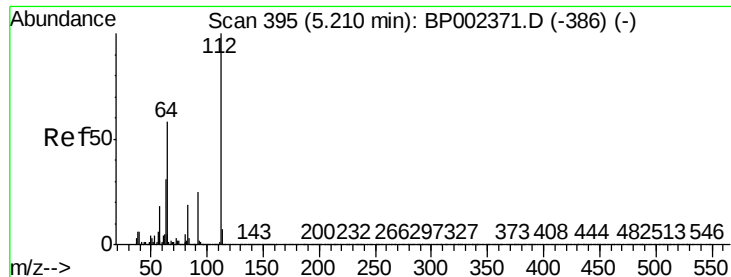
Tot Ion: 79 Resp: 77443
 Ion Ratio Lower Upper
 79 100
 52 64.8 52.5 78.7
 51 36.0 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 8.231 ng
 RT: 3.46 min Scan# 98
 Delta R.T. 0.00 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 14:45

Tgt Ion: 42 Resp: 32822
 Ion Ratio Lower Upper
 42 100
 74 141.6 111.1 166.7
 44 7.1 5.4 8.0





#5

2-Fluorophenol

Concen: 174.446 ng

RT: 5.20 min Scan# 394

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

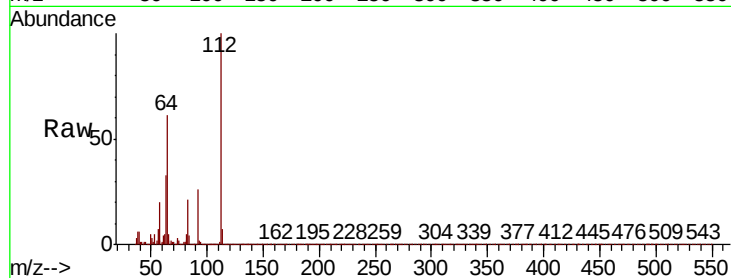
Tot Ion:112 Resp: 1348306

Ion Ratio Lower Upper

112 100

64 61.2 46.2 69.2

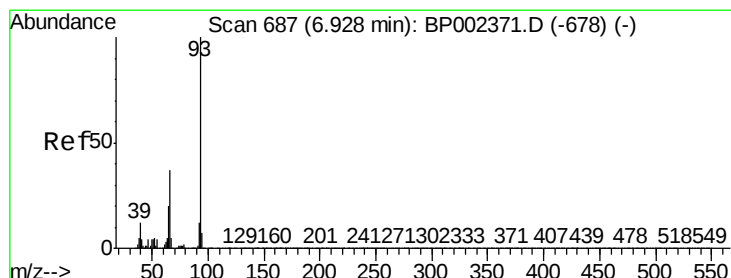
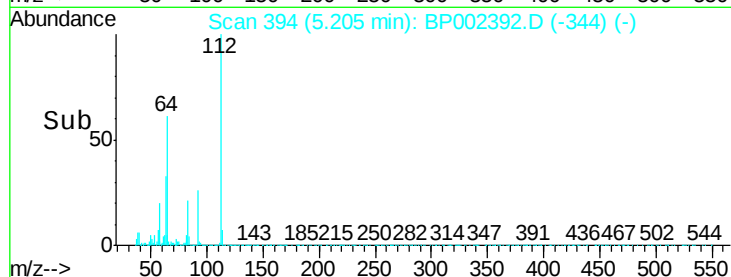
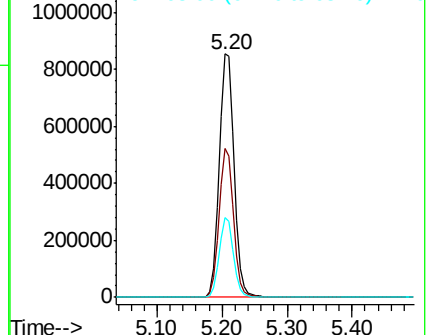
63 32.8 24.5 36.7



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: 8.702 ng

RT: 6.92 min Scan# 686

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

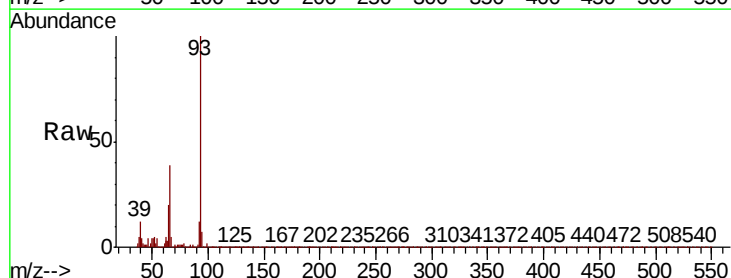
Tgt Ion: 93 Resp: 121789

Ion Ratio Lower Upper

93 100

66 38.6 29.8 44.6

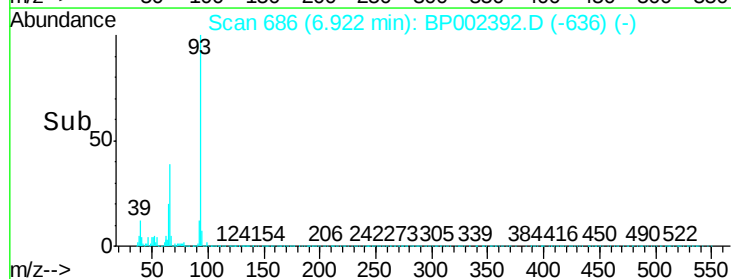
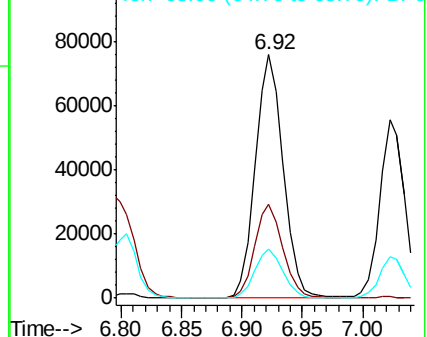
65 19.9 15.7 23.5



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: 177.057 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

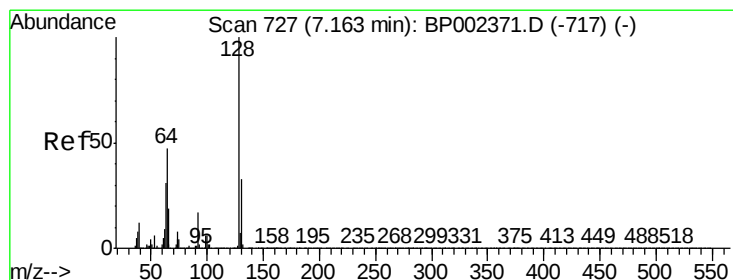
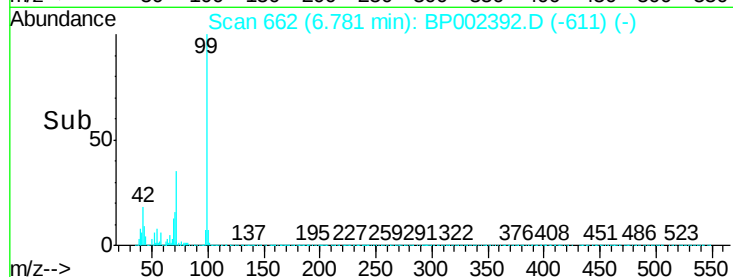
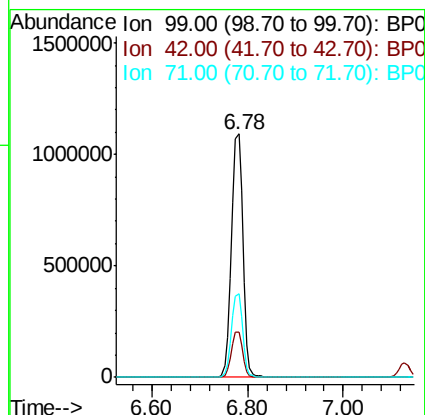
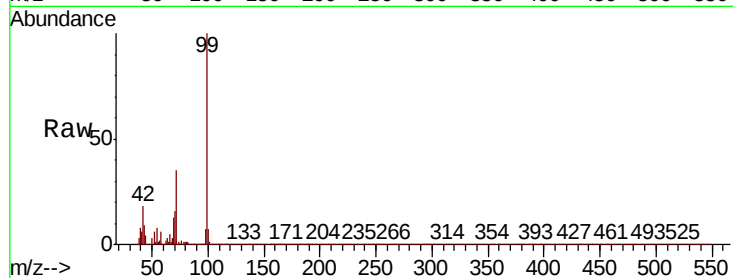
BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion: 99 Resp: 1821995

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.6	22.0
71	34.6	27.2	40.8



#8

2-Chlorophenol

Concen: 8.544 ng

RT: 7.16 min Scan# 726

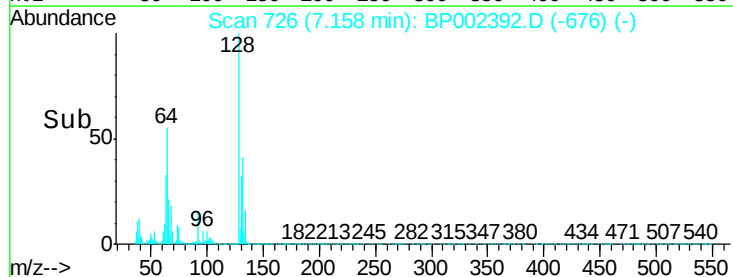
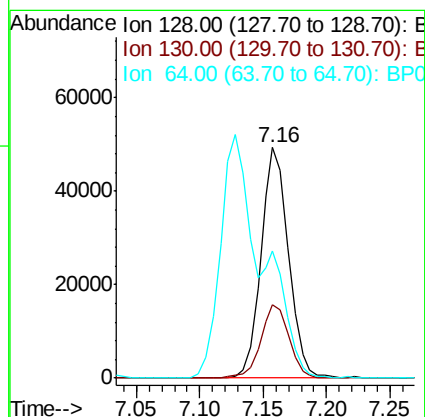
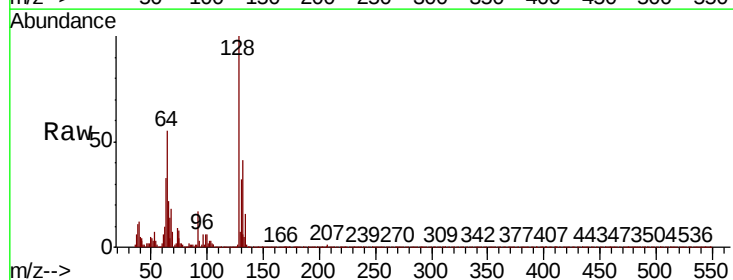
Delta R.T. -0.01 min

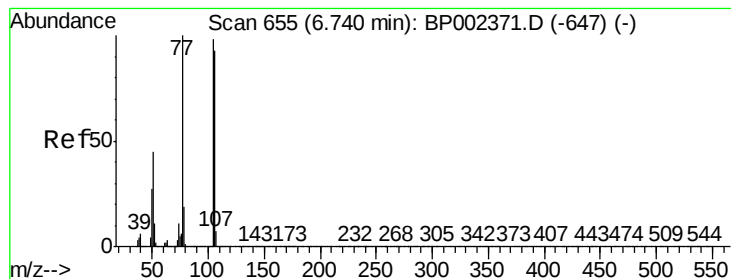
Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Tgt Ion: 128 Resp: 74254

Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.5	52.5
64	55.2	27.7	67.7





#9

Benzaldehyde

Concen: 13.662 ng

RT: 6.73 min Scan# 654

Delta R.T. -0.00 min

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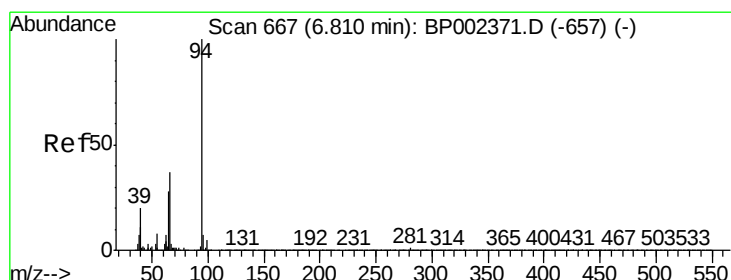
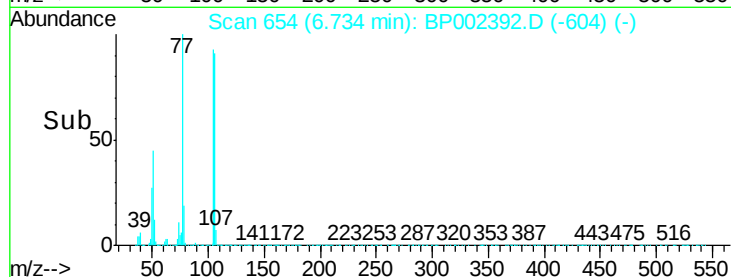
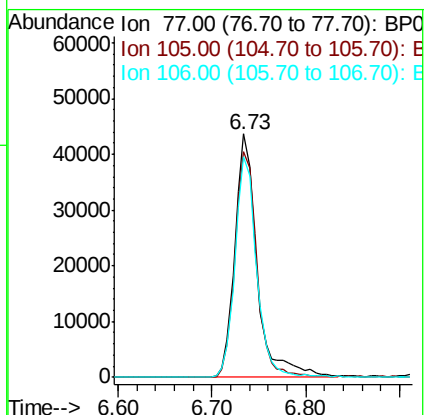
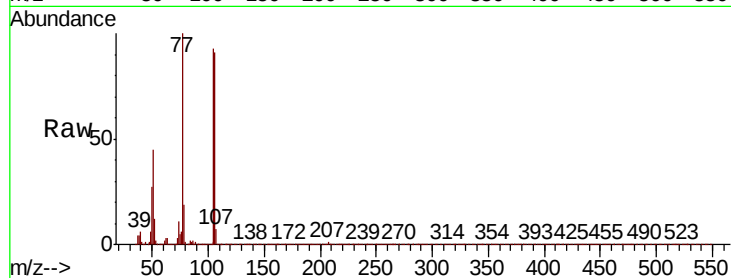
Tot Ion: 77 Resp: 71830

Ion Ratio Lower Upper

77 100

105 92.8 78.1 118.1

106 90.7 73.2 113.2



#10

Phenol

Concen: 8.777 ng

RT: 6.80 min Scan# 666

Delta R.T. -0.01 min

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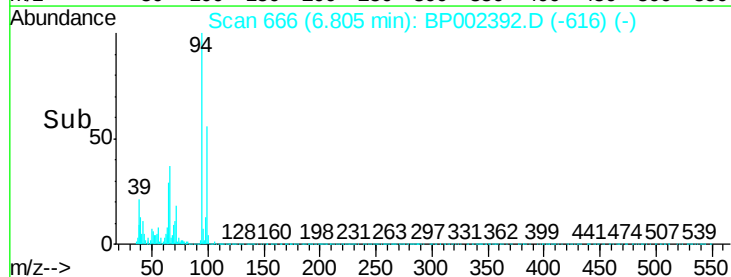
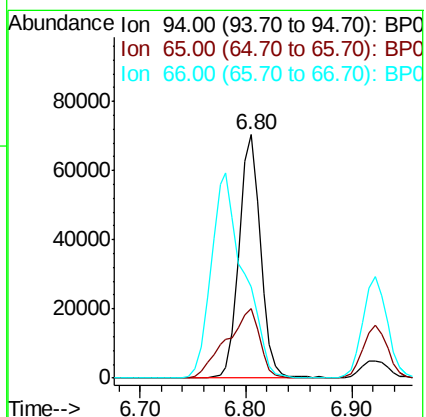
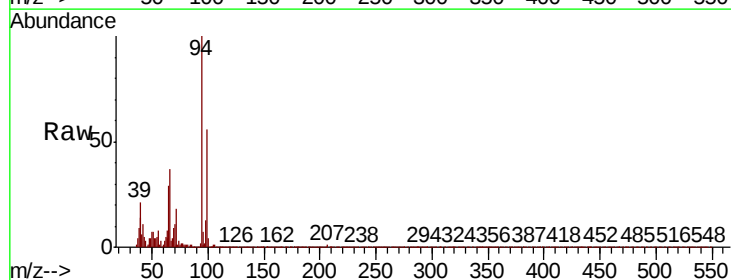
Tgt Ion: 94 Resp: 97963

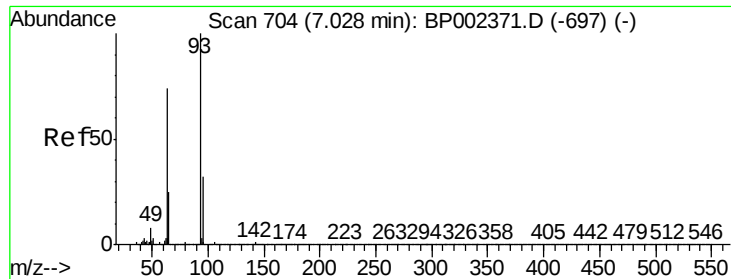
Ion Ratio Lower Upper

94 100

65 28.6 7.7 47.7

66 37.2 16.9 56.9

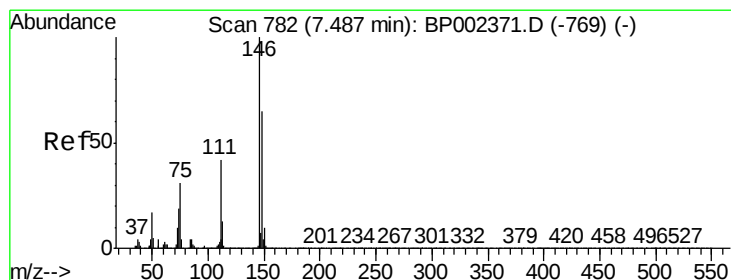
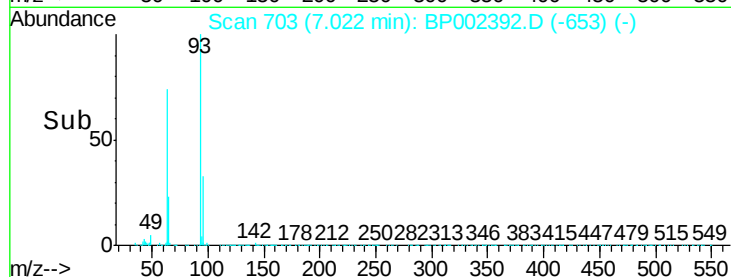
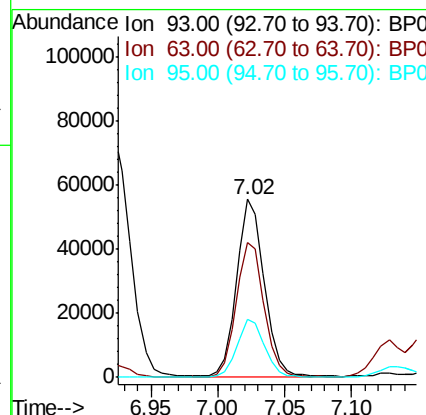
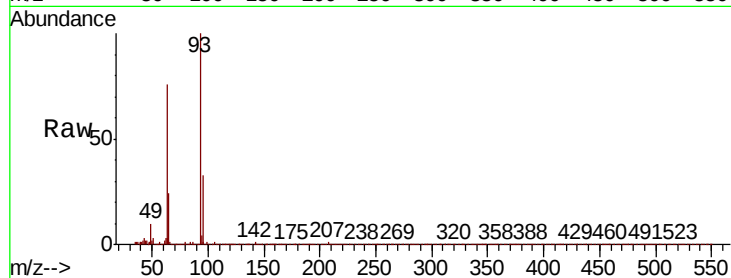




#11
bis(2-Chloroethyl)ether
Concen: 8.614 ng
RT: 7.02 min Scan# 703
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

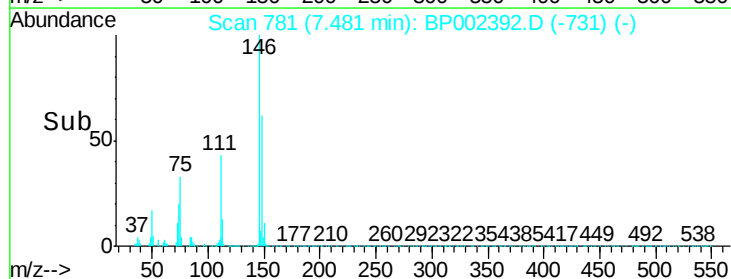
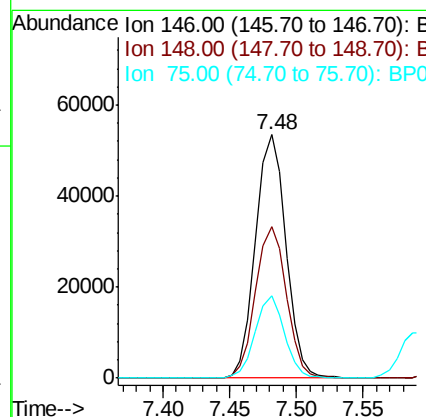
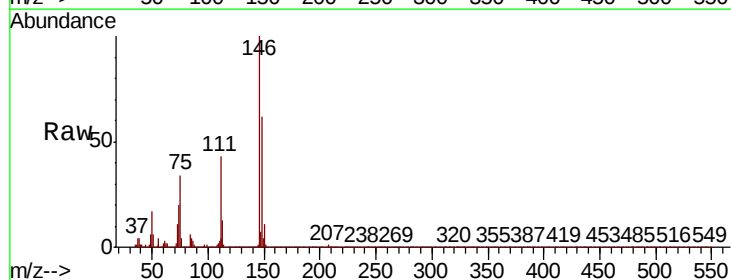
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

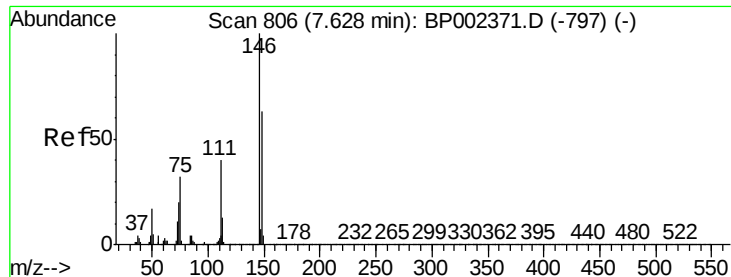
Tot Ion	Ratio	Lower	Upper
93	100		
63	75.6	54.2	94.2
95	32.9	11.8	51.8



#12
1,3-Dichlorobenzene
Concen: 8.390 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.1	51.6	77.4
75	33.8	25.0	37.4

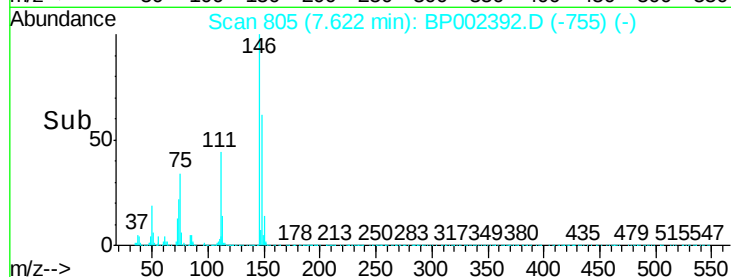
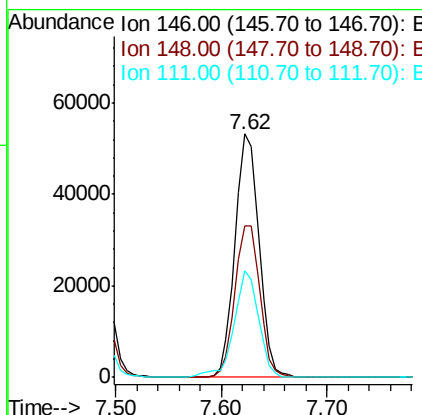
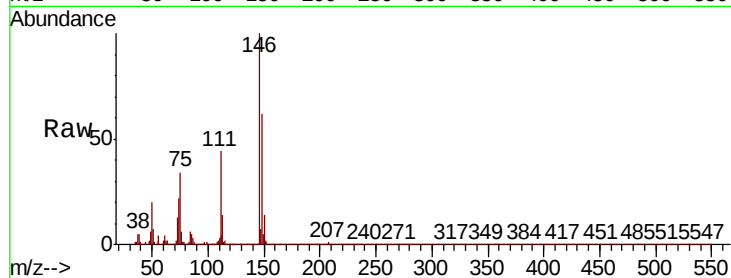




#13
1,4-Dichlorobenzene
Concen: 8.274 ng
RT: 7.62 min Scan# 805
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

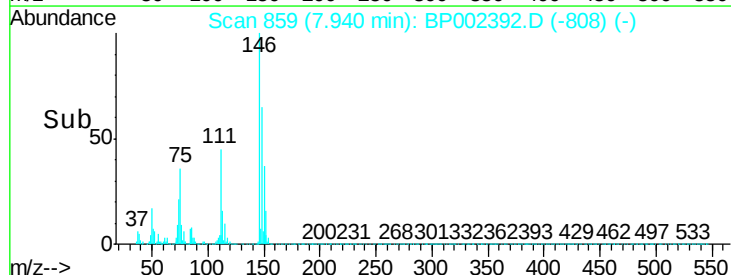
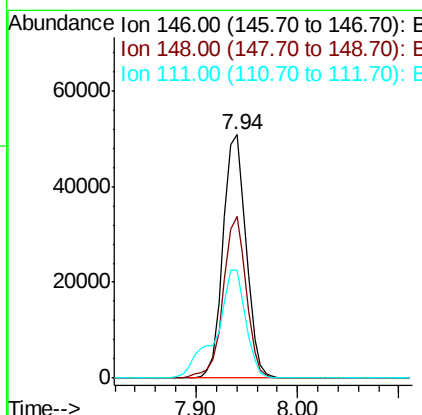
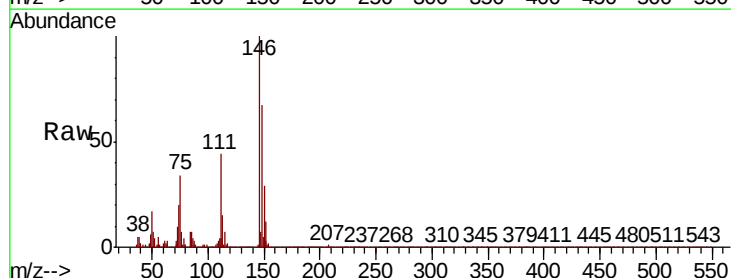
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

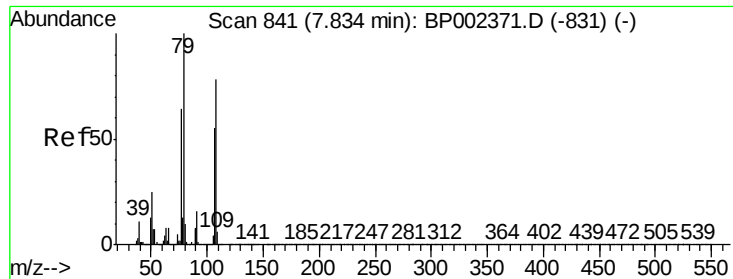
Tot Ion:146 Resp: 83304
Ion Ratio Lower Upper
146 100
148 62.0 50.7 76.1
111 43.9 32.2 48.2



#14
1,2-Dichlorobenzene
Concen: 8.312 ng
RT: 7.94 min Scan# 859
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:146 Resp: 80168
Ion Ratio Lower Upper
146 100
148 66.5 51.8 77.6
111 44.5 35.4 53.2

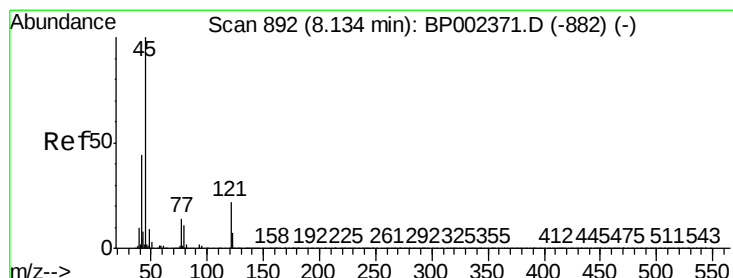
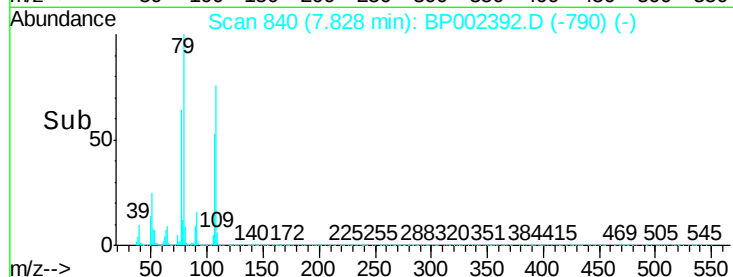
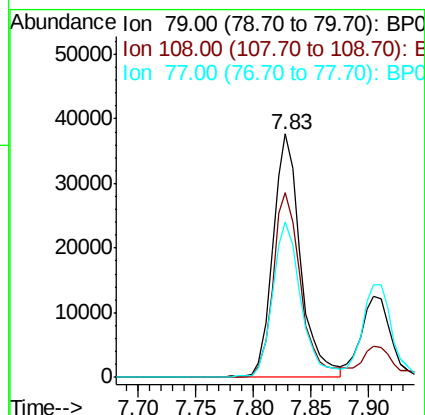
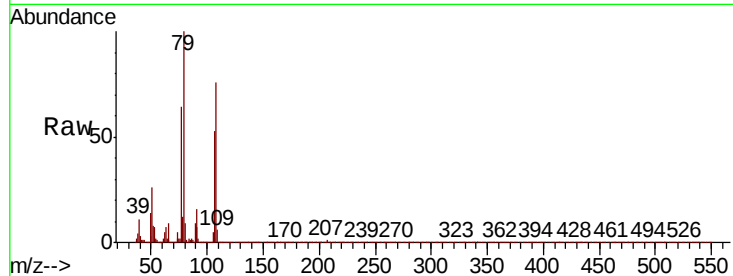




#15
Benzyl Alcohol
Concen: 7.840 ng
RT: 7.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

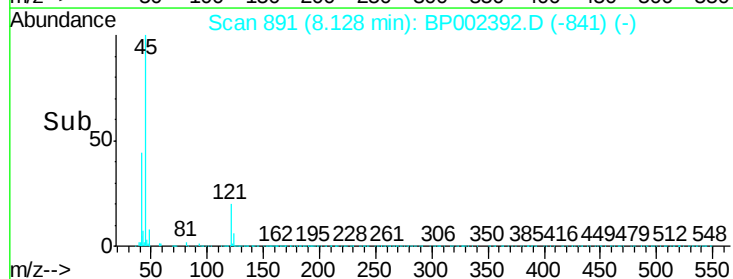
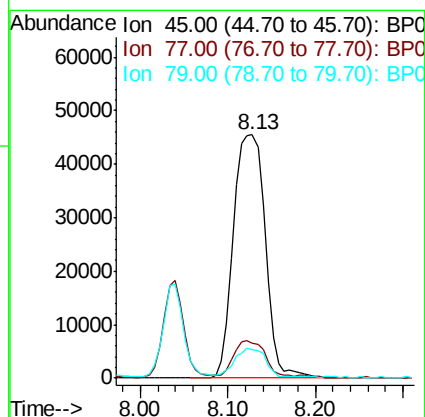
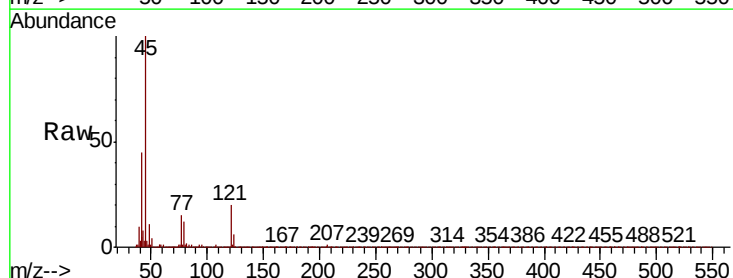
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

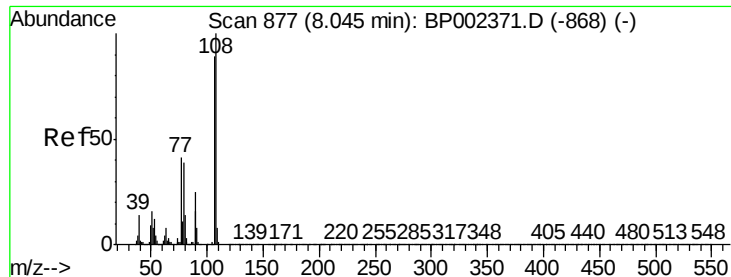
Tot Ion:	79	Resp:	62530
Ion	Ratio	Lower	Upper
79	100		
108	76.1	62.6	94.0
77	63.6	51.5	77.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.475 ng
RT: 8.13 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:	45	Resp:	112052
Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.0
79	11.9	0.0	32.0





#17

2-Methylphenol

Concen: 7.763 ng

RT: 8.04 min Scan# 876

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:107 Resp: 63309

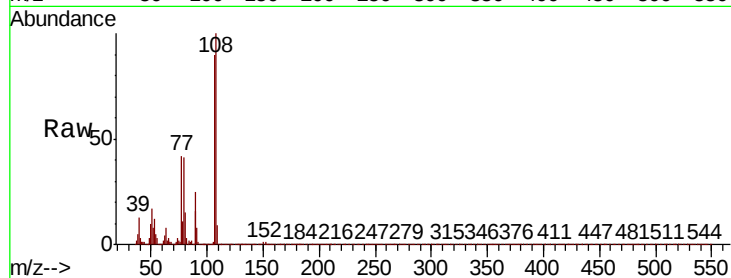
Ion Ratio Lower Upper

107 100

108 111.0 90.3 135.5

77 46.4 37.1 55.7

79 45.0 35.8 53.6

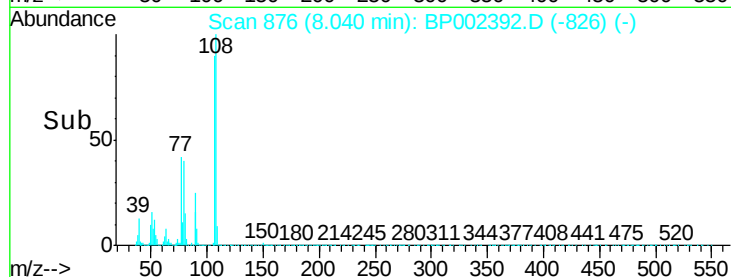


Abundance Ion 107.00 (106.70 to 107.70): E

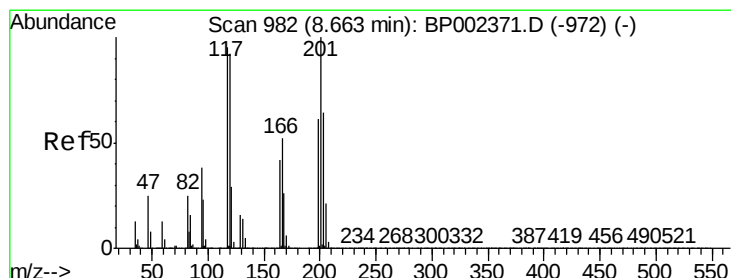
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



Time-->



#18

Hexachloroethane

Concen: 8.460 ng

RT: 8.66 min Scan# 981

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

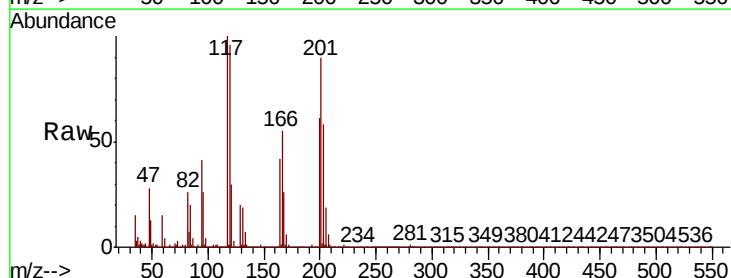
Tgt Ion:117 Resp: 31031

Ion Ratio Lower Upper

117 100

119 96.2 77.8 116.8

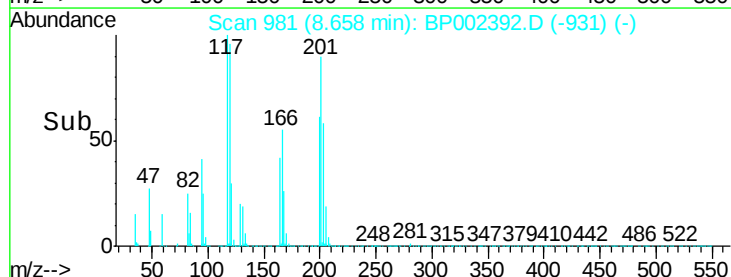
201 89.9 84.2 126.4



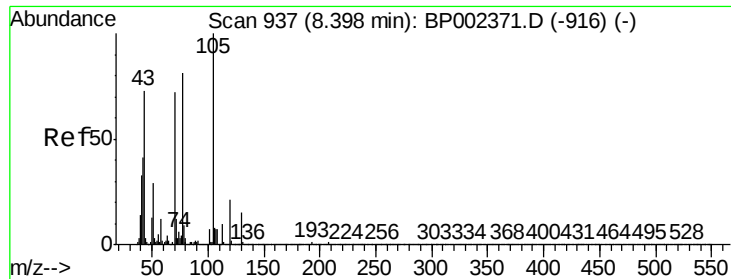
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



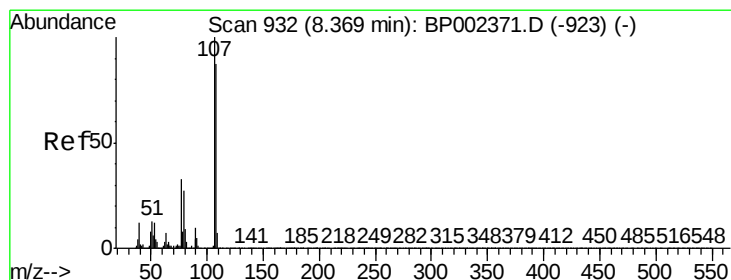
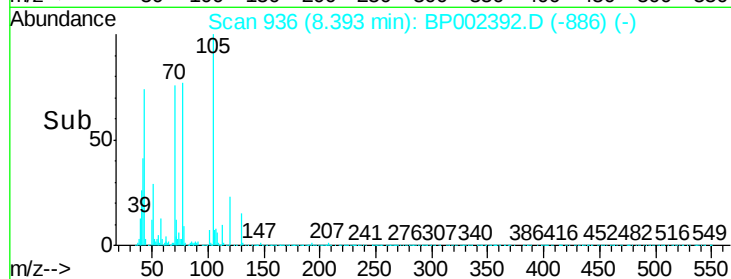
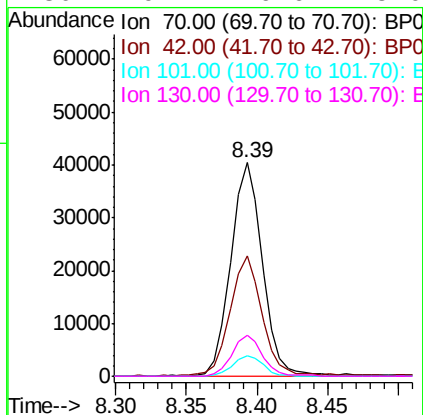
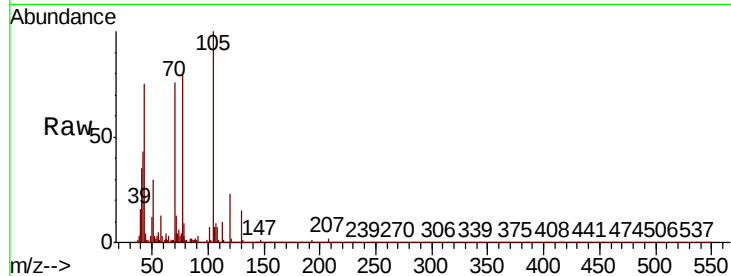
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 9.132 ng
RT: 8.39 min Scan# 936
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

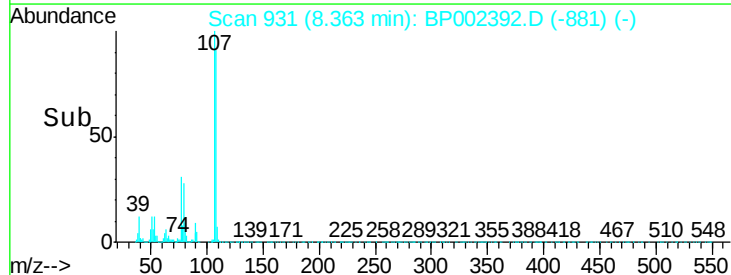
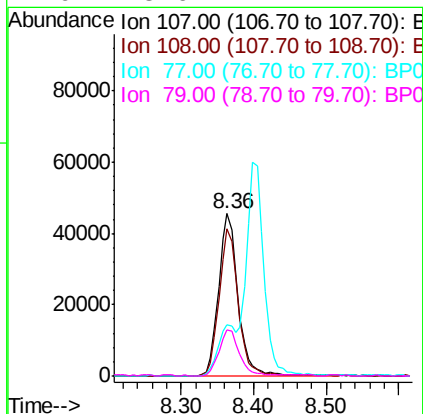
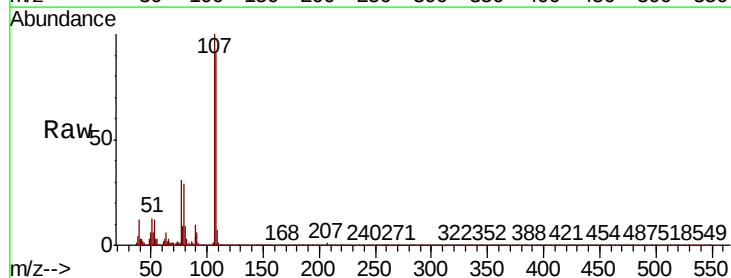
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

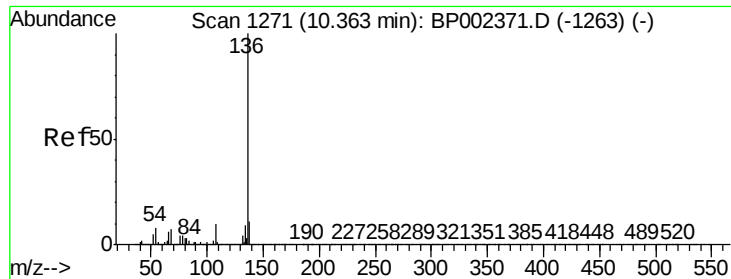
Tot Ion:	70	Resp:	62816
Ion	Ratio	Lower	Upper
70	100		
42	56.3	45.7	68.5
101	9.6	7.5	11.3
130	19.4	16.6	25.0



#20
3+4-Methylphenols
Concen: 7.704 ng
RT: 8.36 min Scan# 931
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:	107	Resp:	84792
Ion	Ratio	Lower	Upper
107	100		
108	90.6	67.5	107.5
77	31.2	13.5	53.5
79	28.6	7.4	47.4

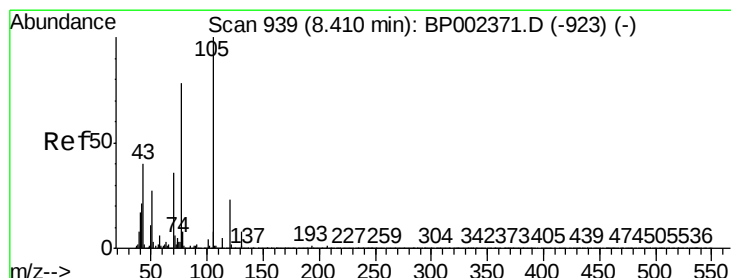
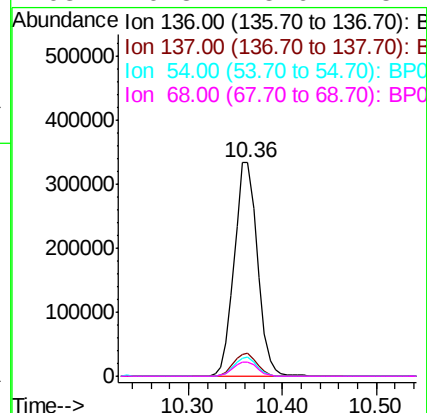
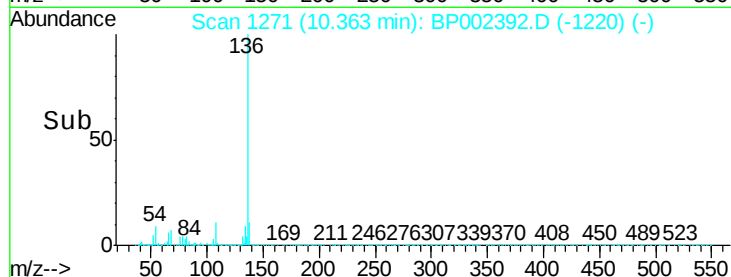
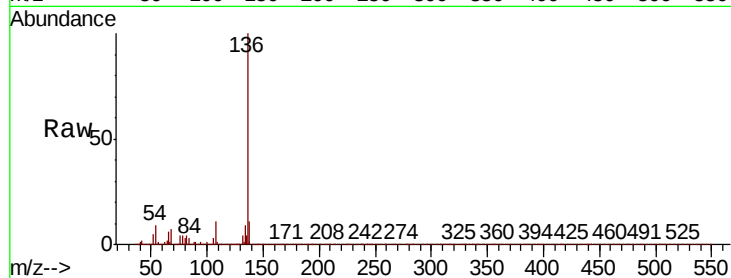




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

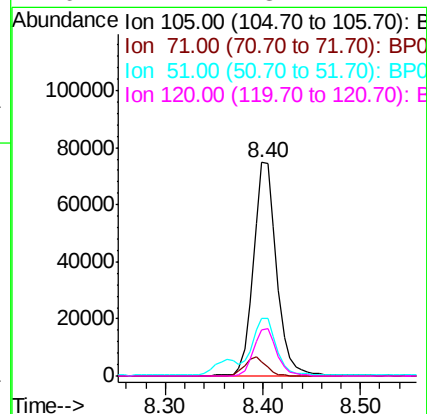
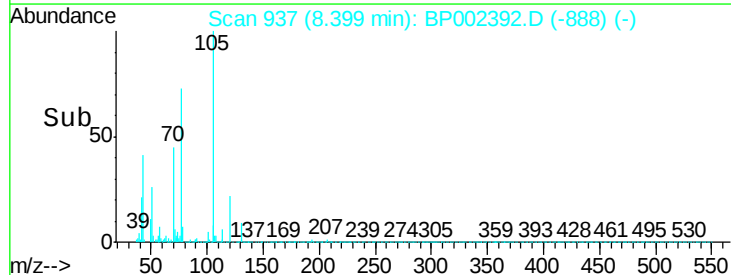
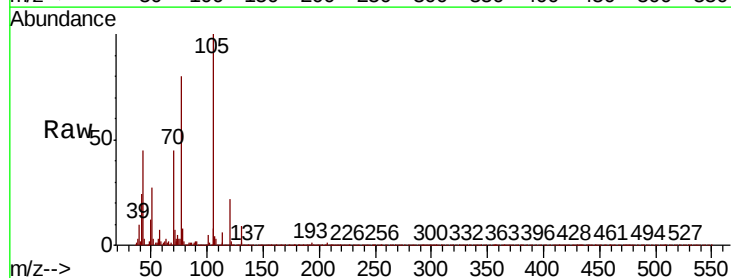
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

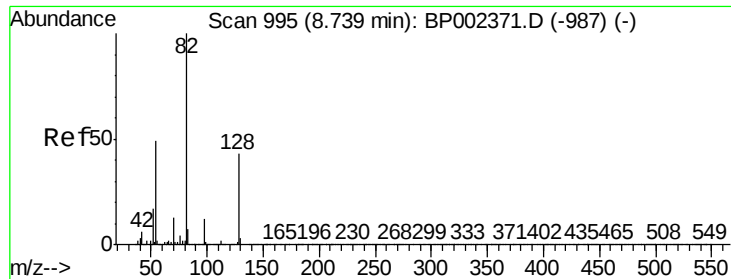
Tot Ion:136	Resp: 574886
Ion Ratio	Lower Upper
136 100	
137 10.8	8.8 13.2
54 8.8	6.4 9.6
68 6.8	5.6 8.4



#22
Acetophenone
Concen: 9.686 ng
RT: 8.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt	Ion:105	Resp:	125099
Ion	Ratio	Lower	Upper
105	100		
71	6.6	4.7	7.1
51	27.2	21.4	32.0
120	21.7	18.1	27.1

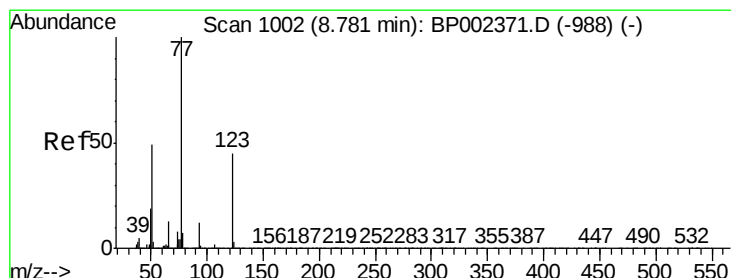
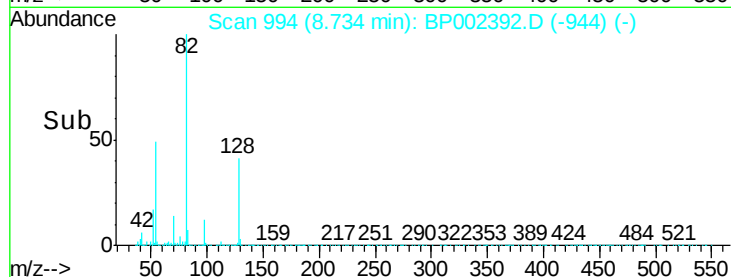
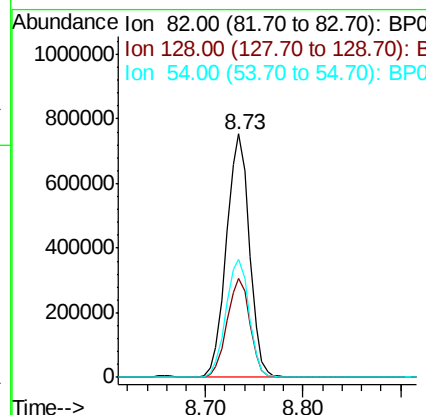
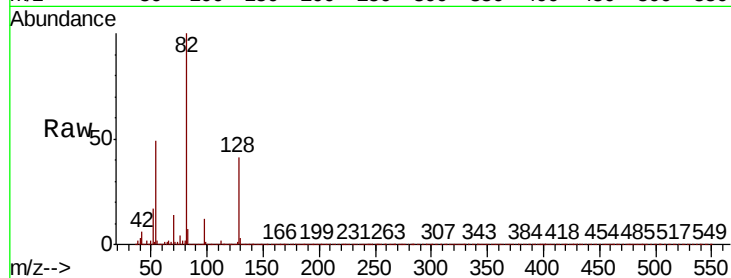




#23
Nitrobenzene-d5
Concen: 127.824 ng
RT: 8.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

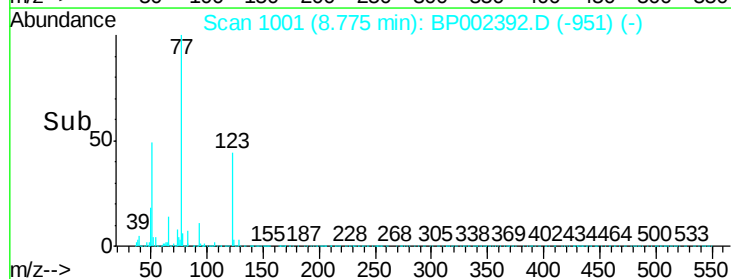
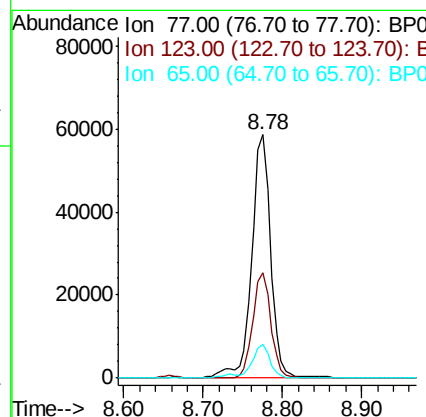
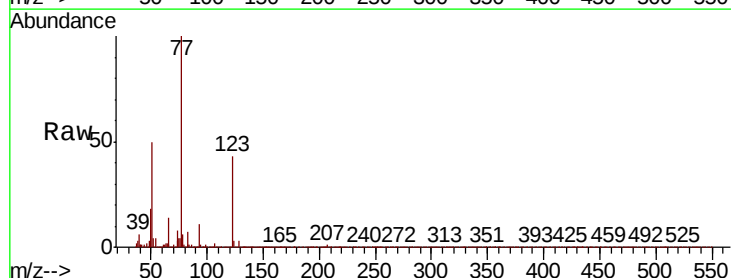
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

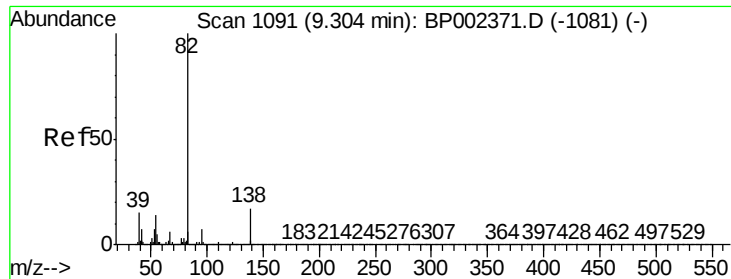
Tot Ion: 82 Resp: 1230503
Ion Ratio Lower Upper
82 100
128 40.8 34.5 51.7
54 48.8 39.4 59.2



#24
Nitrobenzene
Concen: 9.408 ng
RT: 8.78 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion: 77 Resp: 97358
Ion Ratio Lower Upper
77 100
123 43.3 35.8 53.8
65 13.6 10.5 15.7





#25

Isophorone

Concen: 8.834 ng

RT: 9.30 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

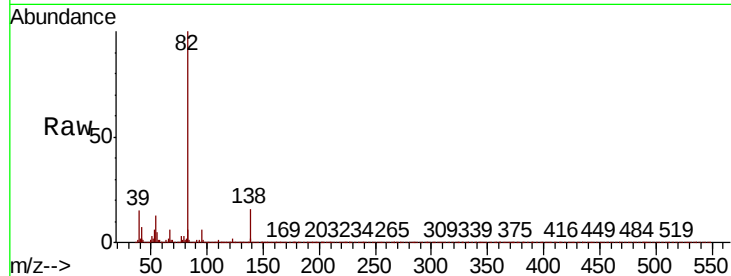
Tot Ion: 82 Resp: 173190

Ion Ratio Lower Upper

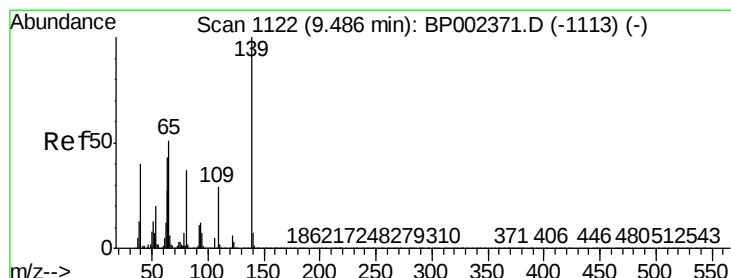
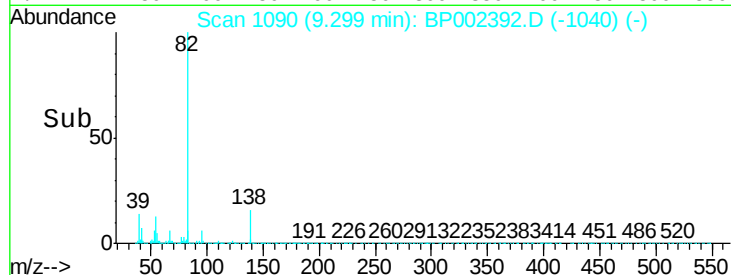
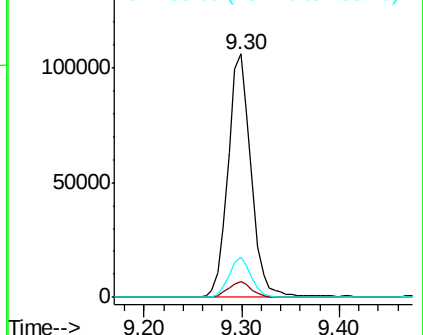
82 100

95 6.4 5.4 8.2

138 16.2 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: 7.822 ng

RT: 9.49 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

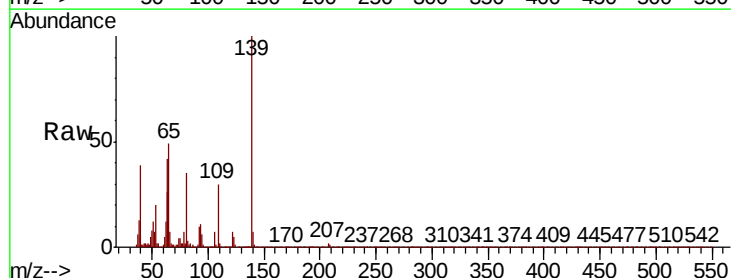
Tgt Ion: 139 Resp: 36069

Ion Ratio Lower Upper

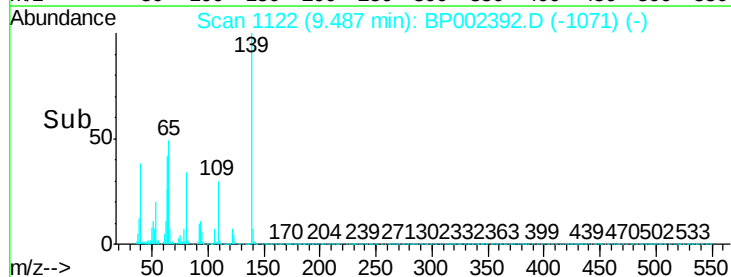
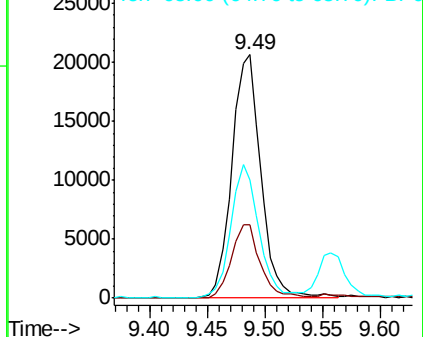
139 100

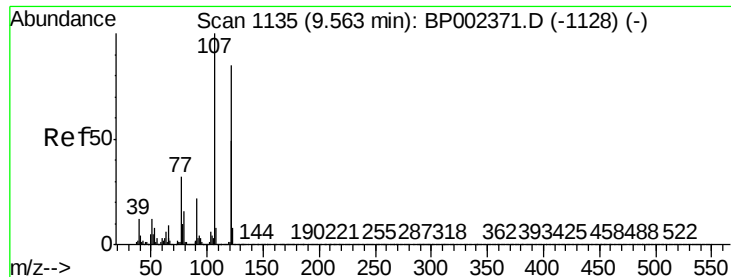
109 30.2 23.4 35.2

65 48.5 41.1 61.7



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BP0

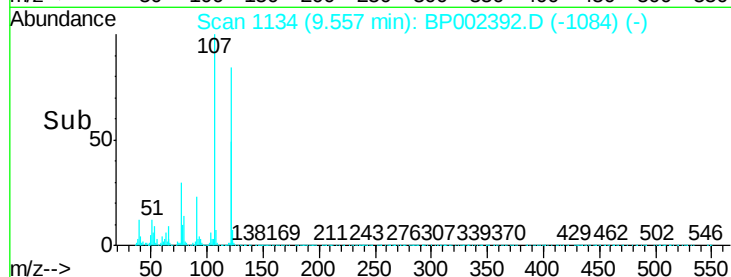
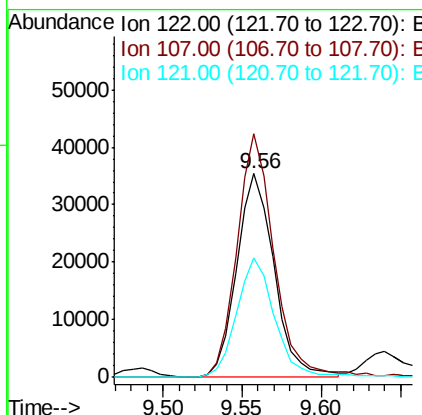
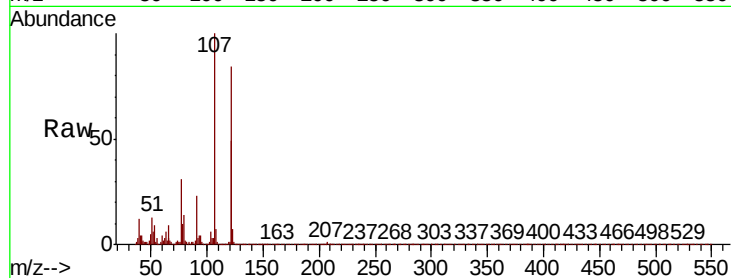




#27
2,4-Dimethylphenol
Concen: 7.948 ng
RT: 9.56 min Scan# 1134
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

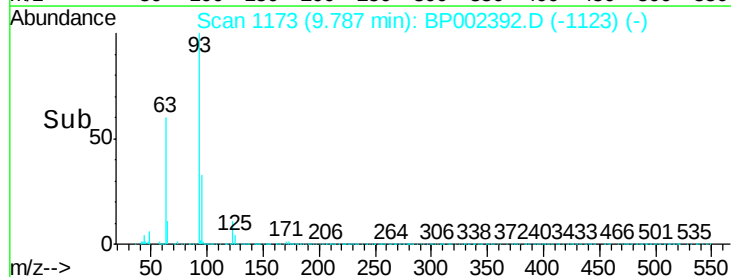
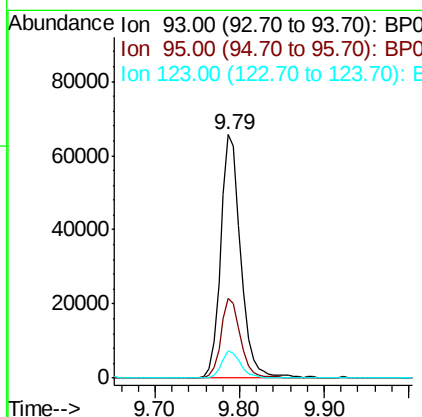
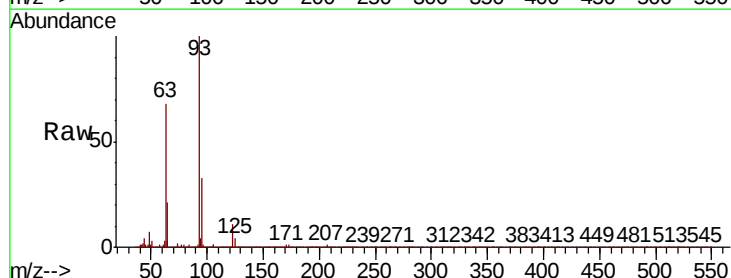
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

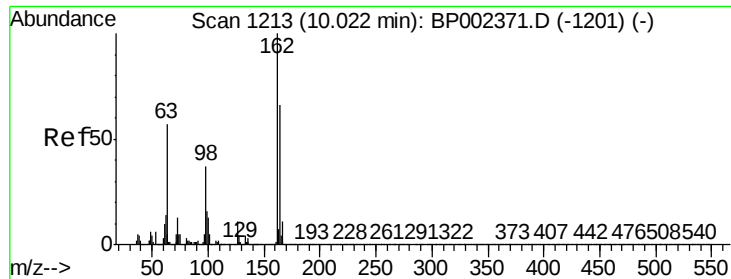
Tot Ion	Ratio	Lower	Upper
122	100		
107	119.5	94.0	141.0
121	58.4	46.4	69.6



#28
bis(2-Chloroethoxy)methane
Concen: 9.226 ng
RT: 9.79 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.8
123	11.3	8.7	13.1

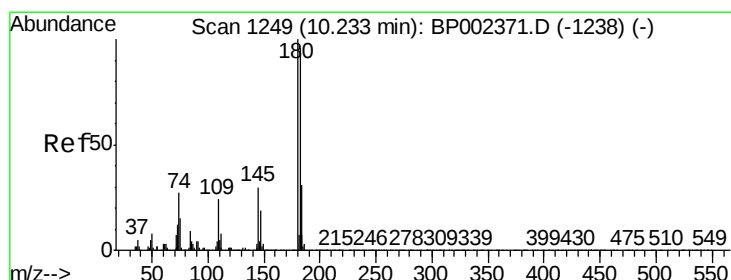
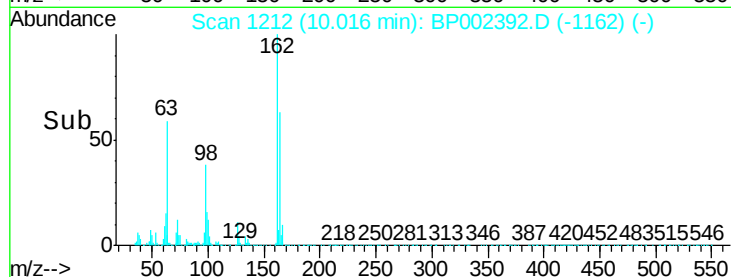
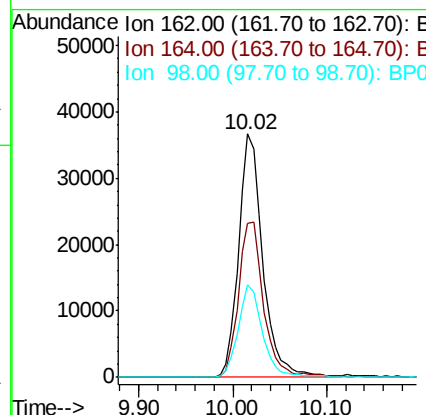
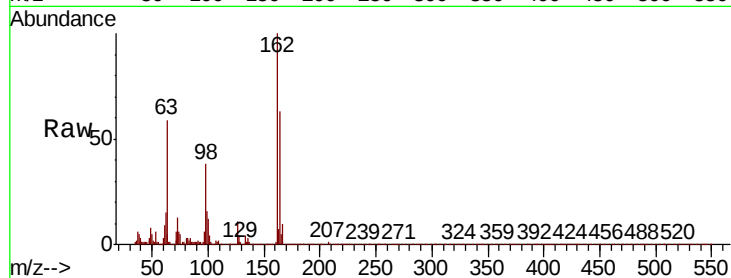




#29
2,4-Dichlorophenol
Concen: 8.071 ng
RT: 10.02 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

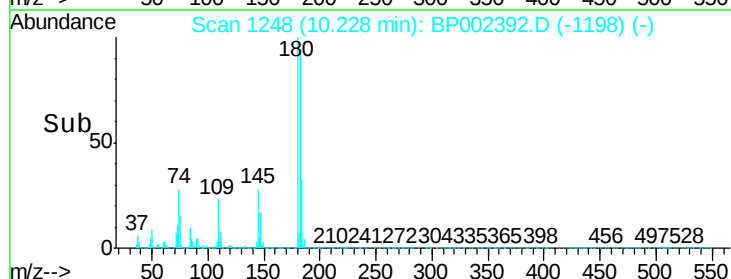
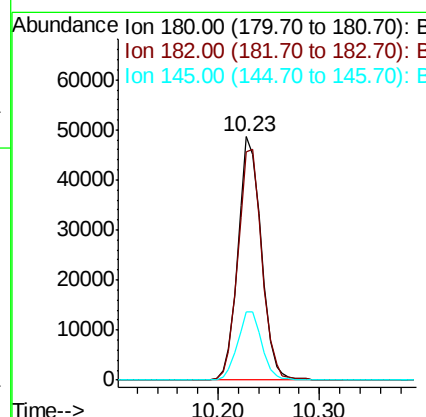
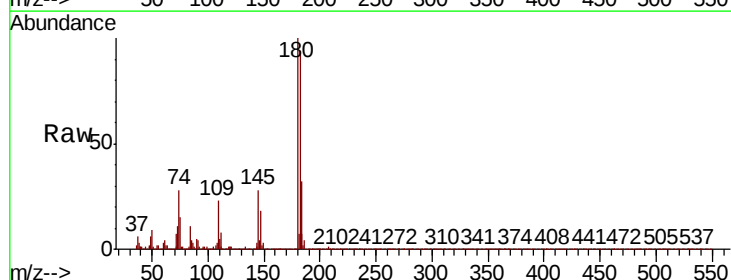
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

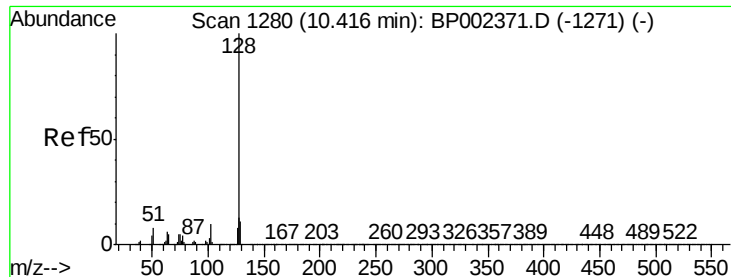
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.2	45.5	85.5
98	37.9	16.6	56.6



#30
1,2,4-Trichlorobenzene
Concen: 8.511 ng
RT: 10.23 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.1	115.7
145	28.0	23.8	35.6





#31

Naphthalene

Concen: 9.280 ng

RT: 10.41 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

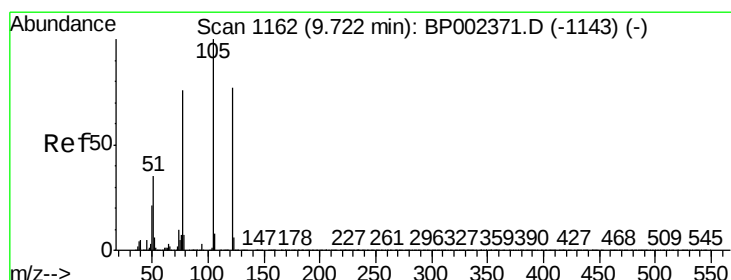
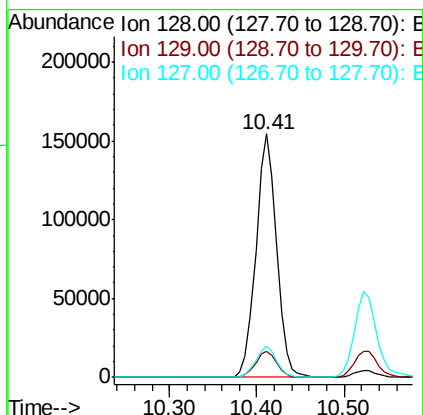
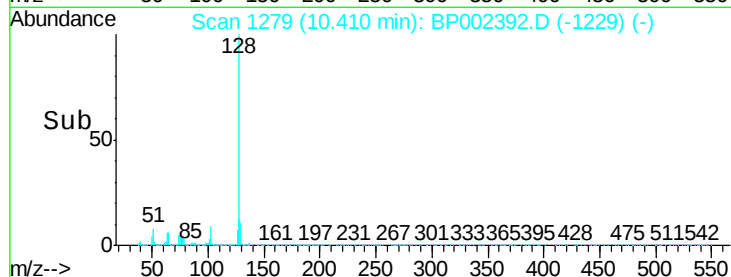
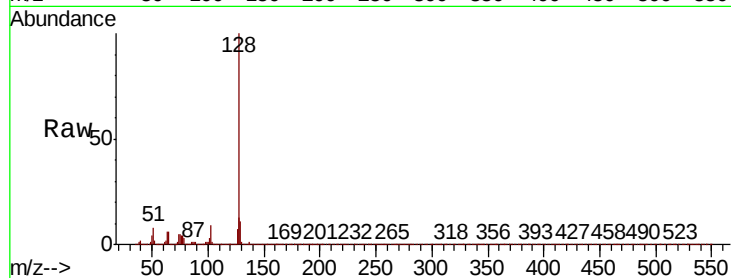
BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:128 Resp: 247855

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	13.0	10.3	15.5



#32

Benzoic acid

Concen: 1.478 ng

RT: 9.64 min Scan# 1148

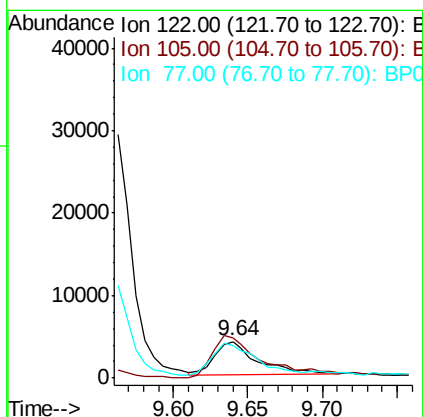
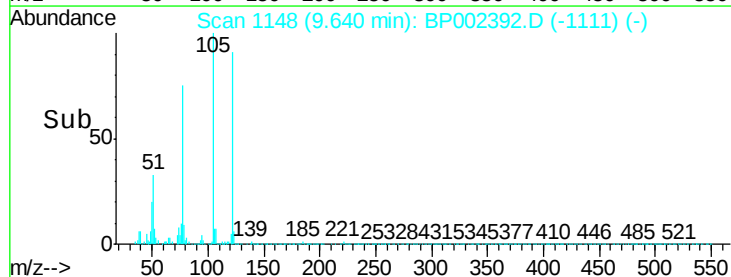
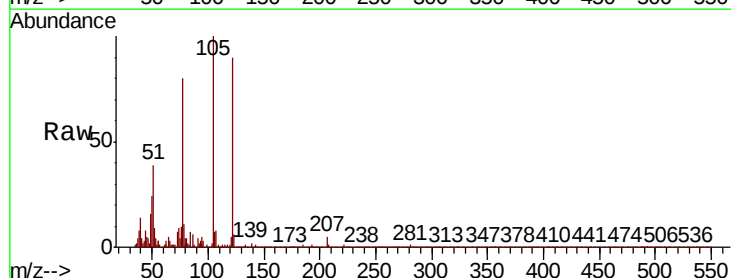
Delta R.T. -0.08 min

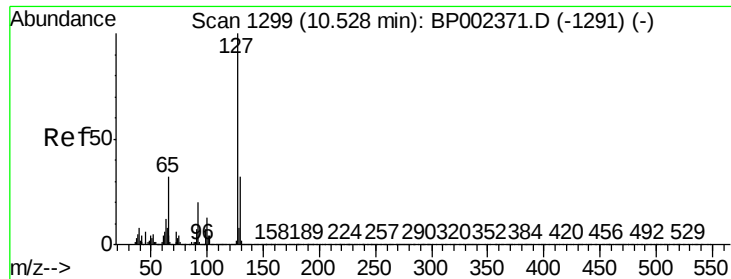
Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Tgt Ion:122 Resp: 8135

Ion	Ratio	Lower	Upper
122	100		
105	110.7	106.3	146.3
77	88.6	77.5	117.5

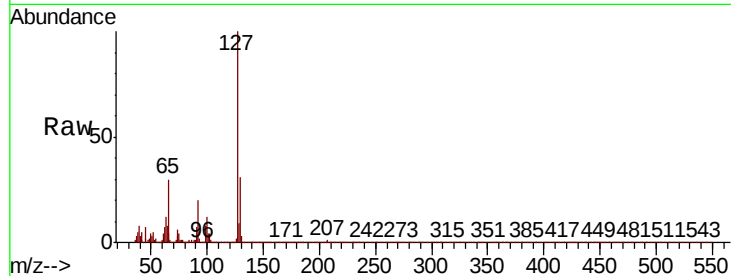




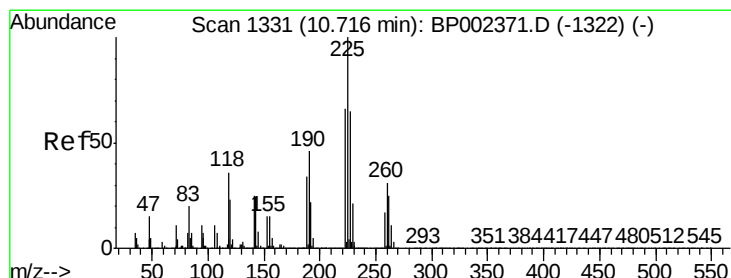
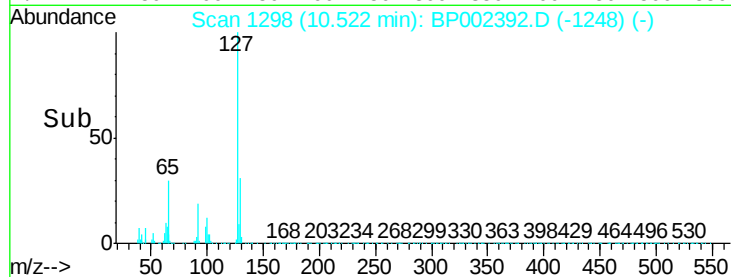
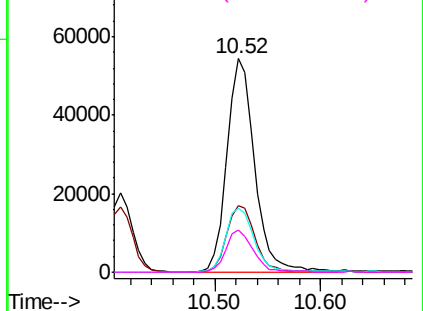
#33
4-Chloroaniline
Concen: 8.425 ng
RT: 10.52 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

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

Tot Ion:	127	Resp:	98235
Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.4	38.2
65	30.2	25.3	37.9
92	19.6	15.8	23.6

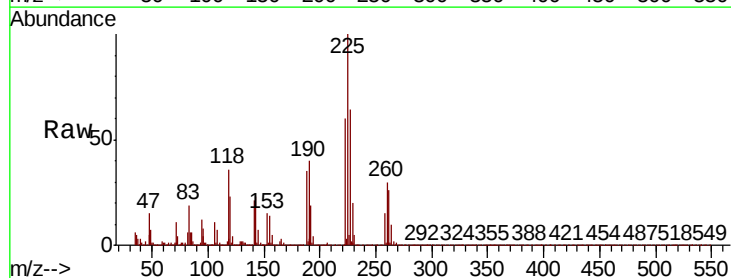


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BP0
Ion 92.00 (91.70 to 92.70): BP0

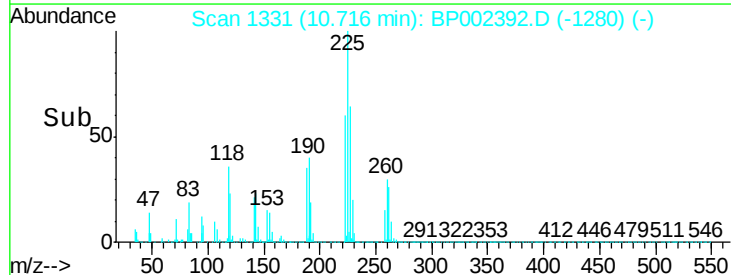
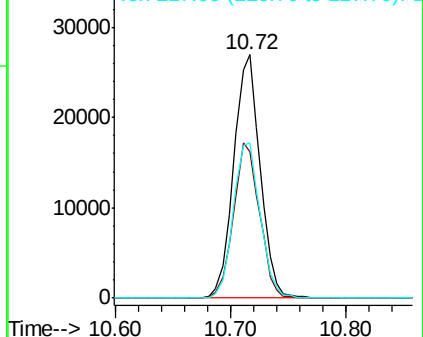


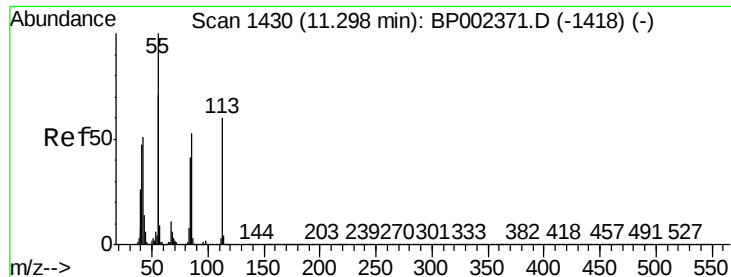
#34
Hexachlorobutadiene
Concen: 8.076 ng
RT: 10.72 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:	225	Resp:	42778
Ion	Ratio	Lower	Upper
225	100		
223	59.9	52.6	78.8
227	63.7	52.2	78.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

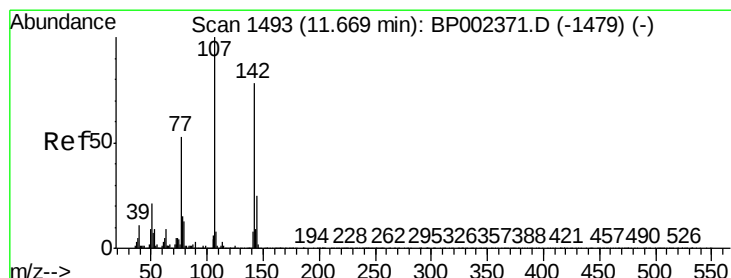
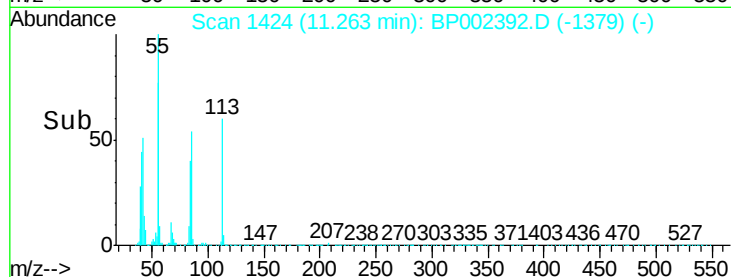
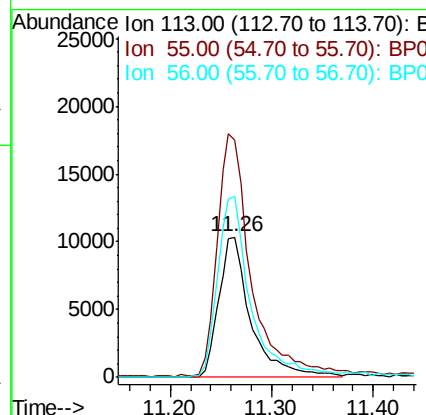
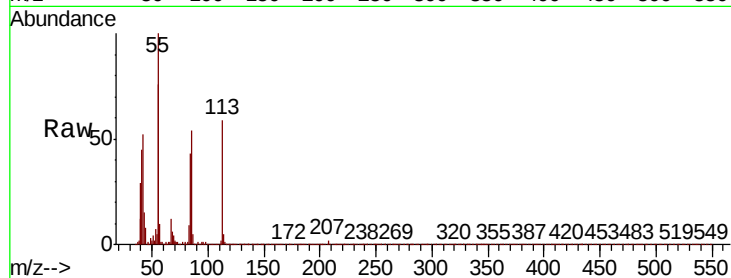




#35
 Caprolactam
 Concen: 7.955 ng
 RT: 11.26 min Scan# 1424
 Delta R.T. -0.03 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 14:45

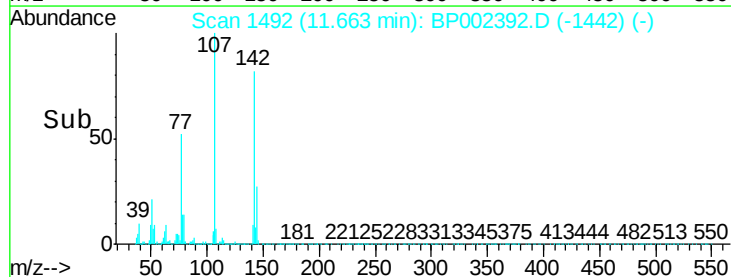
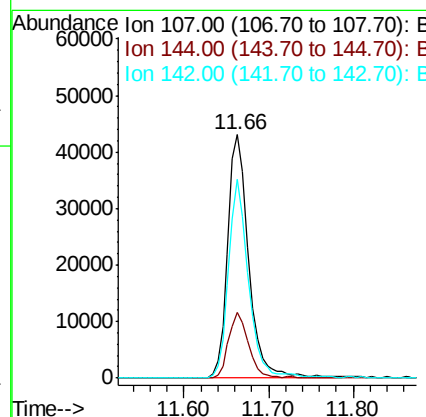
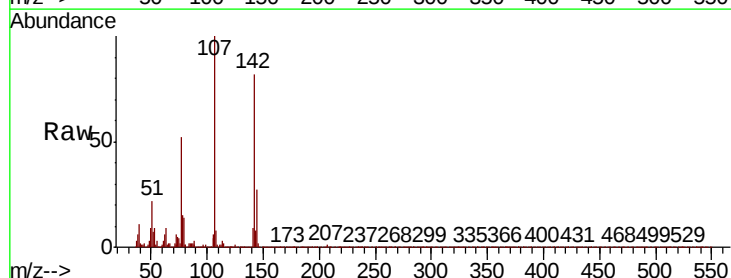
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

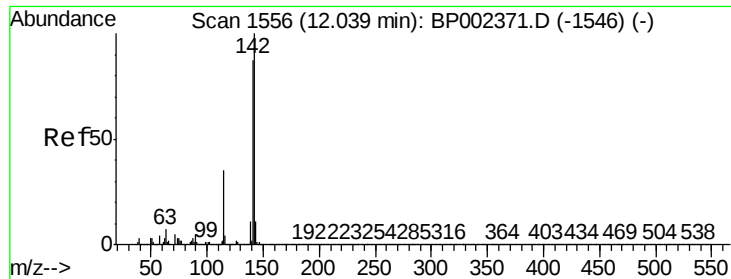
Tot Ion:113 Resp: 22848
 Ion Ratio Lower Upper
 113 100
 55 168.7 147.9 187.9
 56 128.4 99.9 139.9



#36
 4-Chloro-3-methylphenol
 Concen: 8.401 ng
 RT: 11.66 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 14:45

Tgt Ion:107 Resp: 74020
 Ion Ratio Lower Upper
 107 100
 144 27.0 20.4 30.6
 142 81.7 62.2 93.4

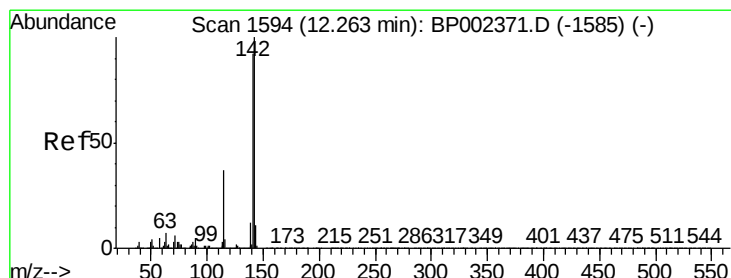
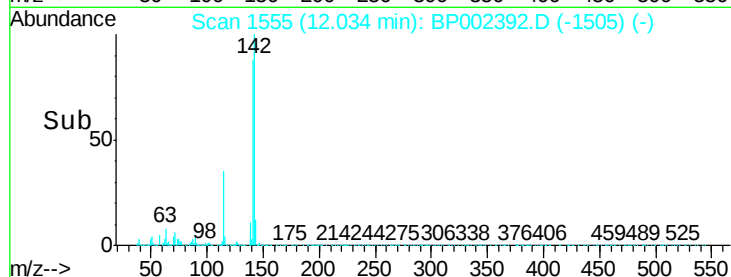
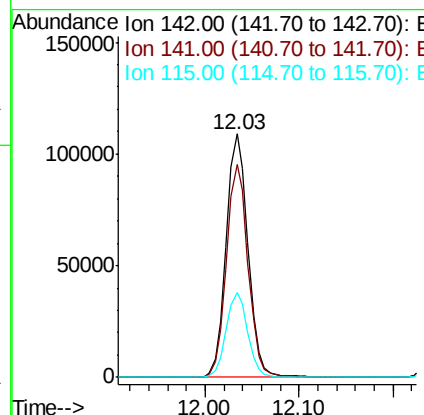
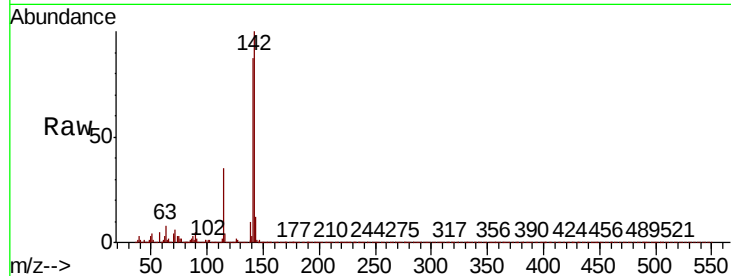




#37
2-Methylnaphthalene
Concen: 9.326 ng
RT: 12.03 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

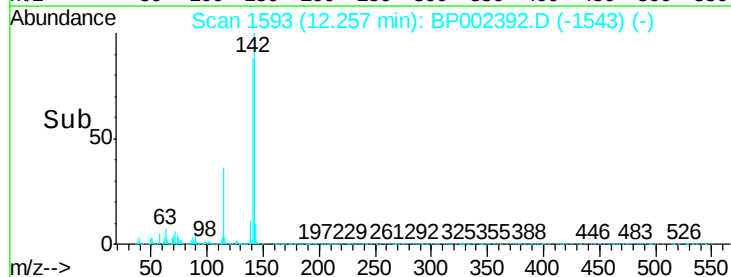
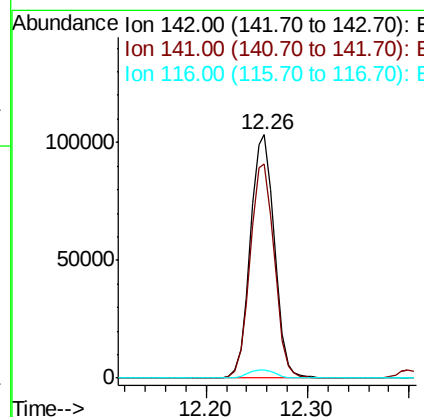
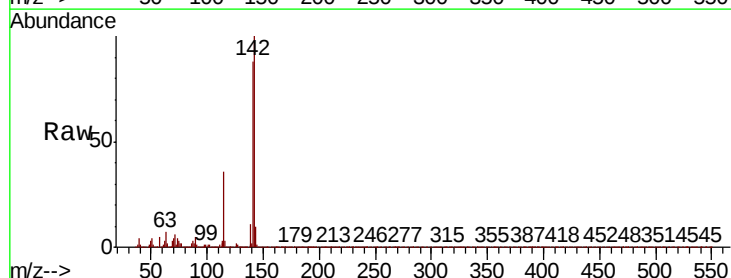
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

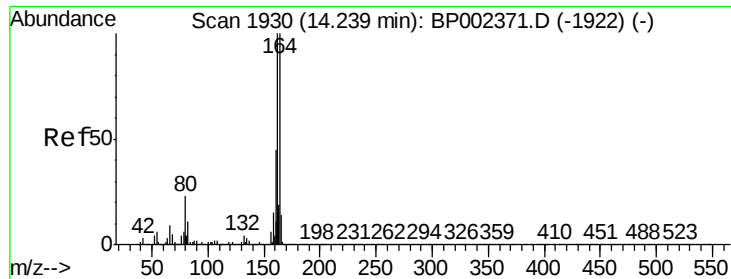
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.7	104.5
115	34.7	27.8	41.8



#38
1-Methylnaphthalene
Concen: 9.550 ng
RT: 12.26 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	73.6	110.4
116	3.4	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1930

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

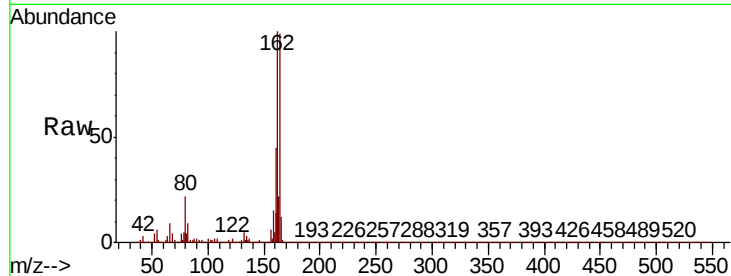
Tot Ion:164 Resp: 362330

Ion Ratio Lower Upper

164 100

162 101.1 79.8 119.8

160 45.5 36.2 54.2

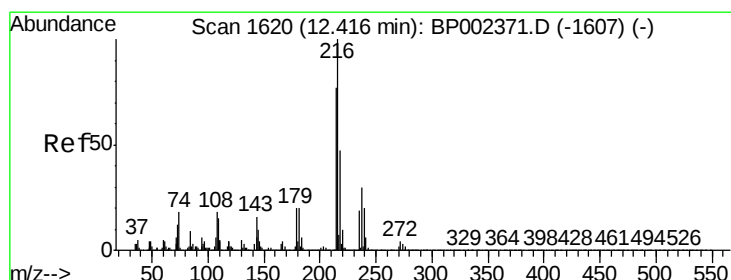
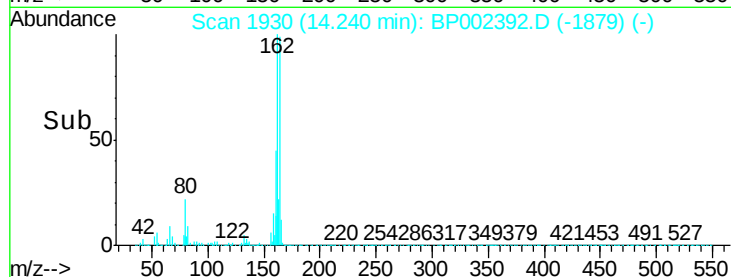
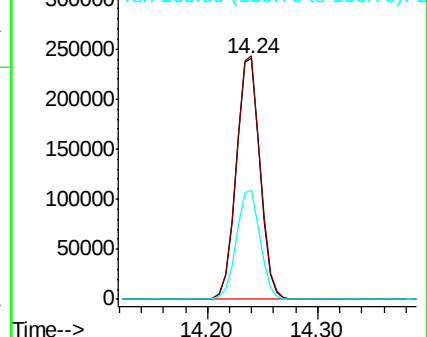


Abundance

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: 9.421 ng

RT: 12.41 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Tgt Ion:216 Resp: 89983

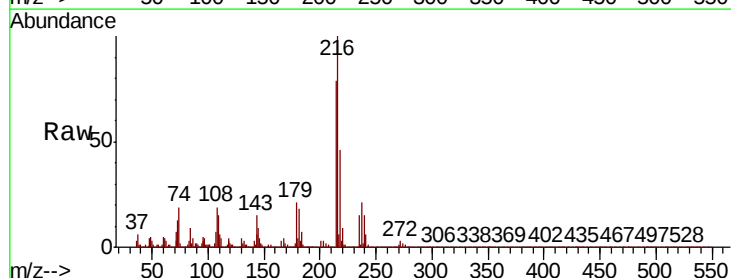
Ion Ratio Lower Upper

216 100

214 77.2 62.6 94.0

179 20.4 16.4 24.6

108 19.9 15.5 23.3



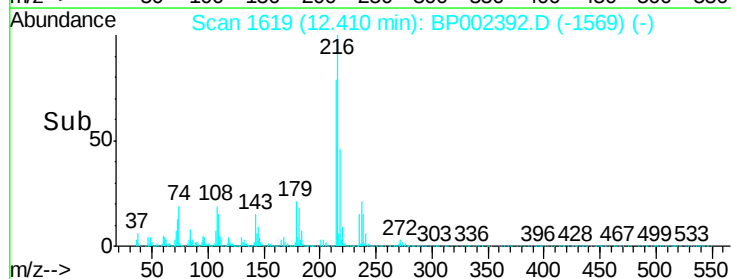
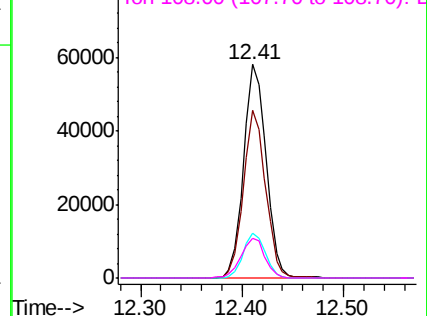
Abundance

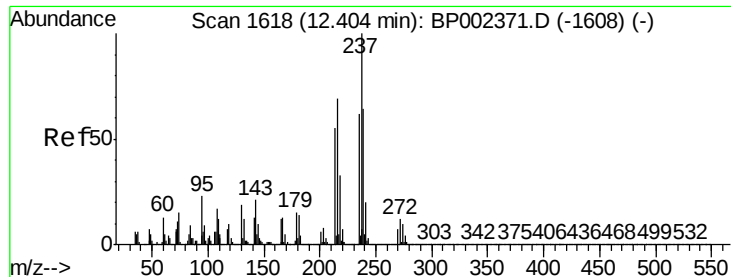
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

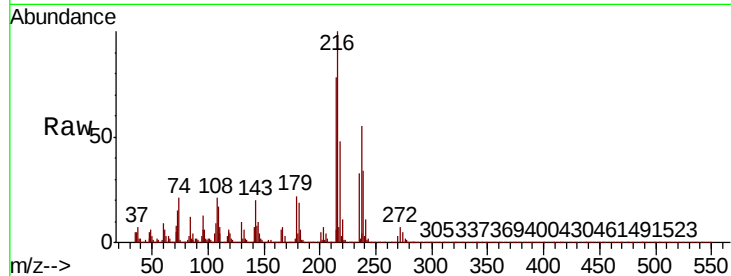




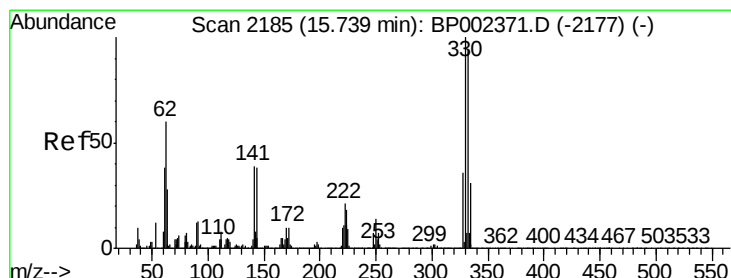
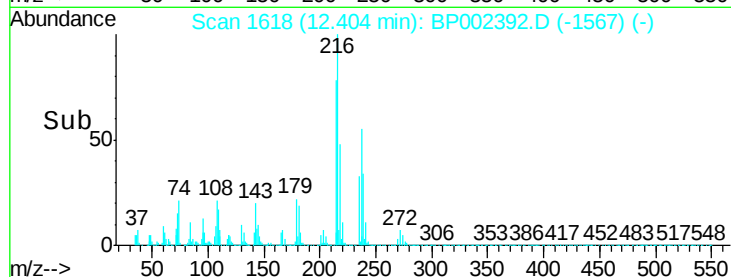
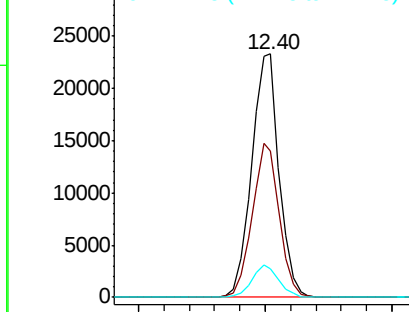
#41
Hexachlorocyclopentadiene
Concen: 6.905 ng
RT: 12.40 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

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

Tot Ion:237 Resp: 35064
Ion Ratio Lower Upper
237 100
235 60.2 42.0 82.0
272 11.8 0.0 32.5

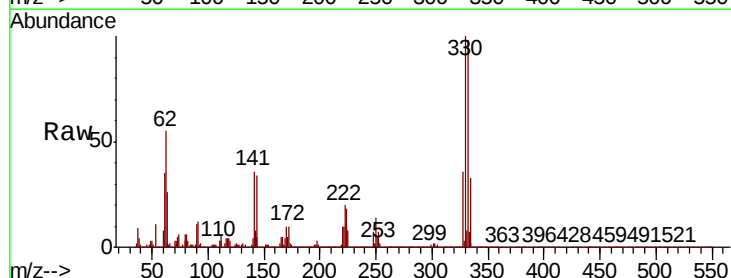


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

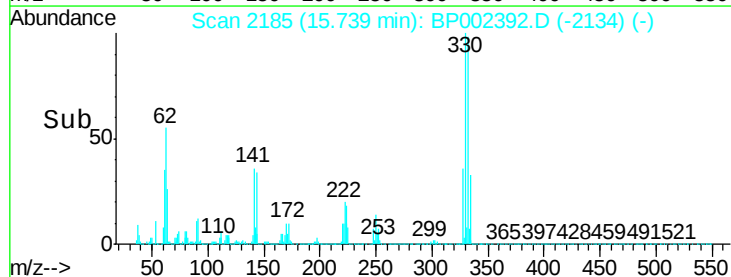
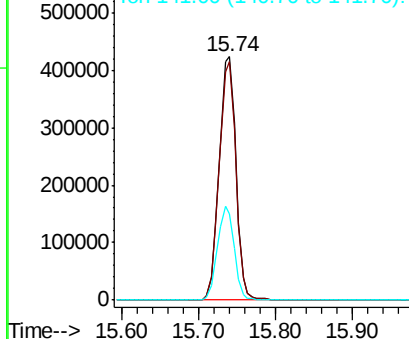


#42
2,4,6-Tribromophenol
Concen: 184.317 ng
RT: 15.74 min Scan# 2185
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:330 Resp: 639405
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 38.1 30.3 45.5



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

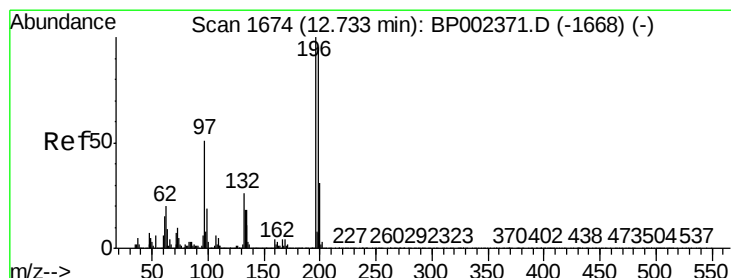
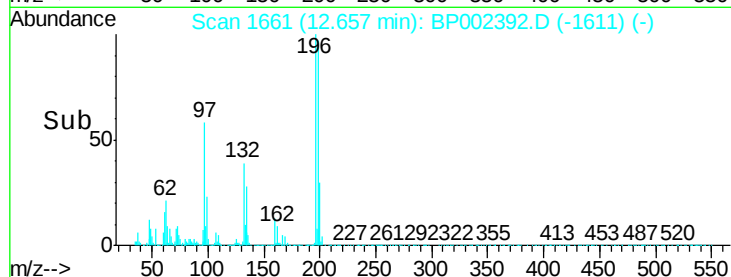
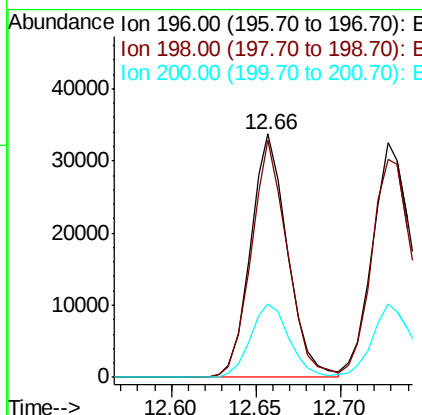
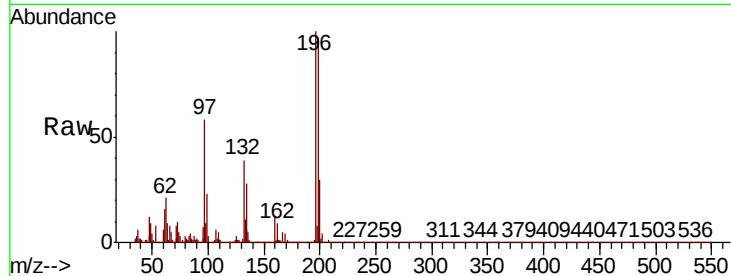




#43
2,4,6-Trichlorophenol
Concen: 7.577 ng
RT: 12.66 min Scan# 1661
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

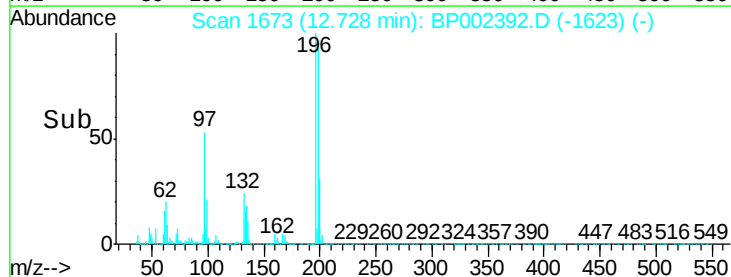
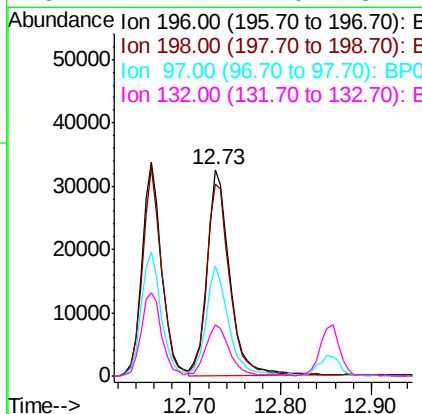
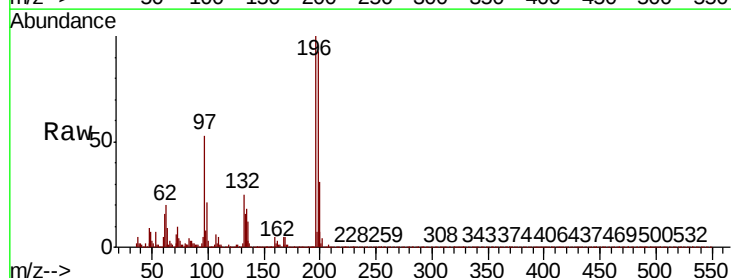
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

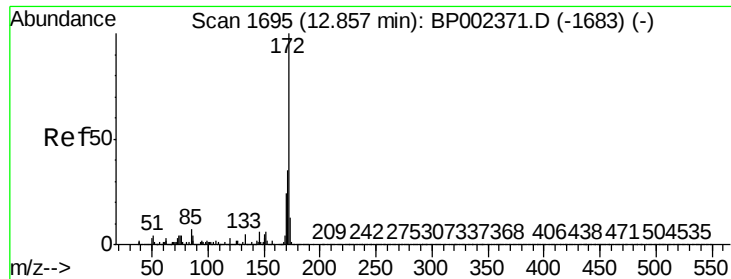
Tot Ion:196 Resp: 51217
Ion Ratio Lower Upper
196 100
198 97.5 76.6 115.0
200 29.9 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 7.290 ng
RT: 12.73 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:196 Resp: 57057
Ion Ratio Lower Upper
196 100
198 92.8 76.2 114.2
97 53.1 40.6 61.0
132 24.7 21.0 31.4

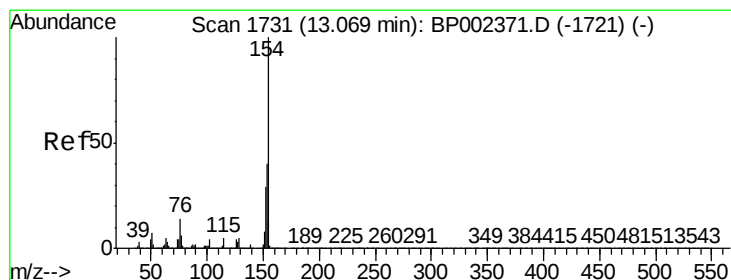
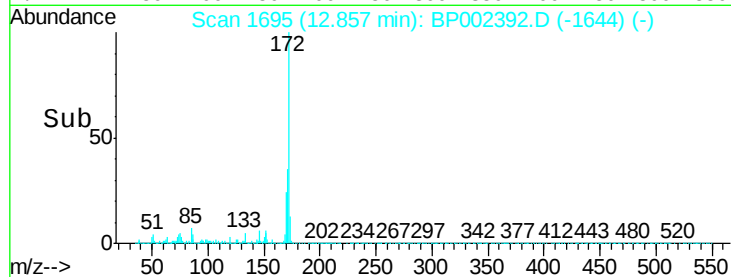
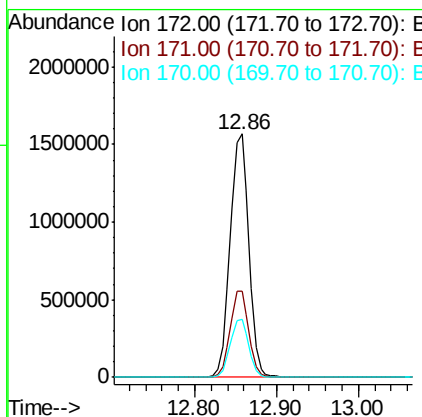
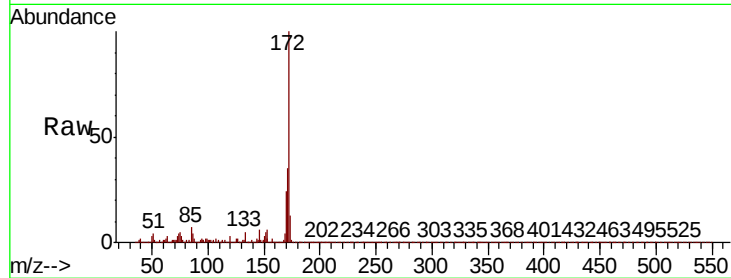




#45
2-Fluorobiphenyl
Concen: 116.091 ng
RT: 12.86 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

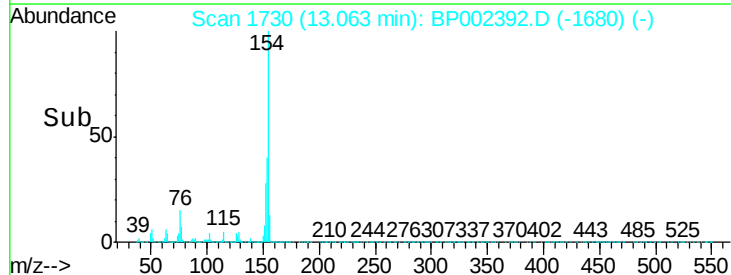
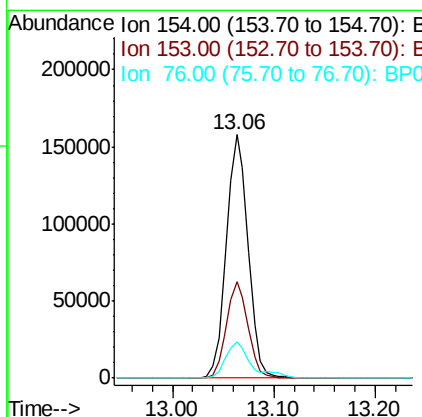
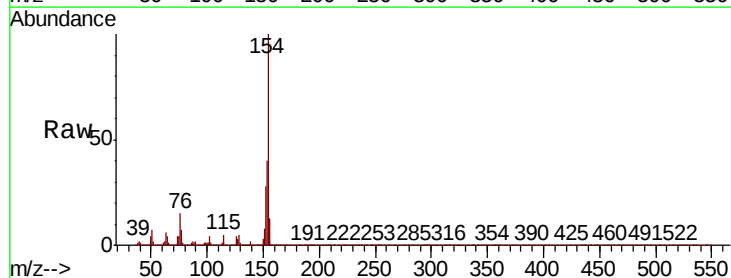
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

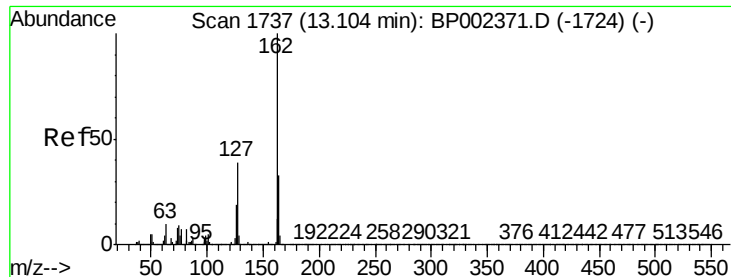
Tot Ion:172 Resp: 2501650
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.8
170 23.8 19.0 28.6



#46
1,1'-Biphenyl
Concen: 9.888 ng
RT: 13.06 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:154 Resp: 234802
Ion Ratio Lower Upper
154 100
153 39.9 20.2 60.2
76 15.1 0.0 34.2

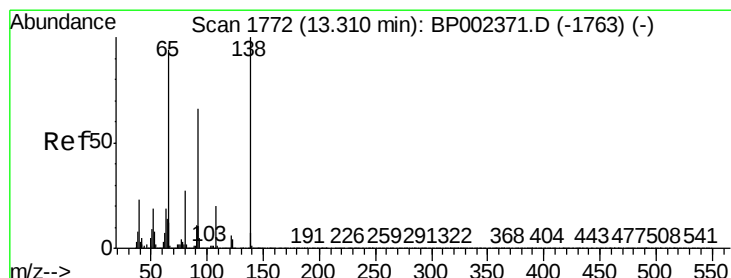
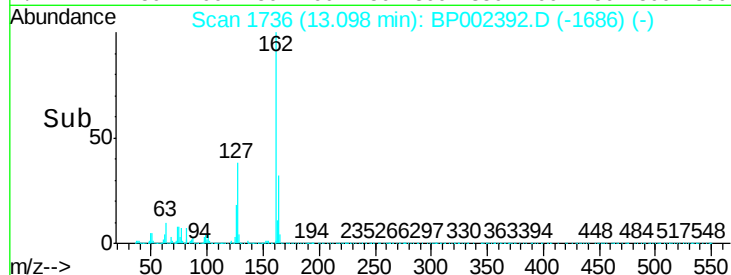
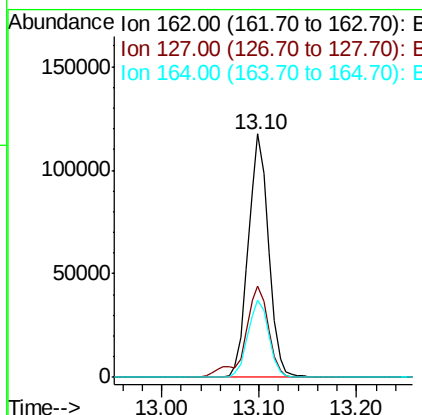
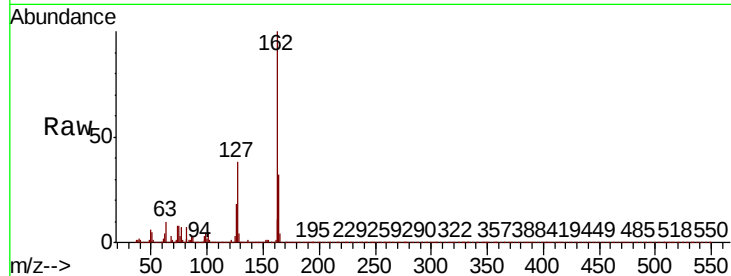




#47
2-Chloronaphthalene
Concen: 8.871 ng
RT: 13.10 min Scan# 1736
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

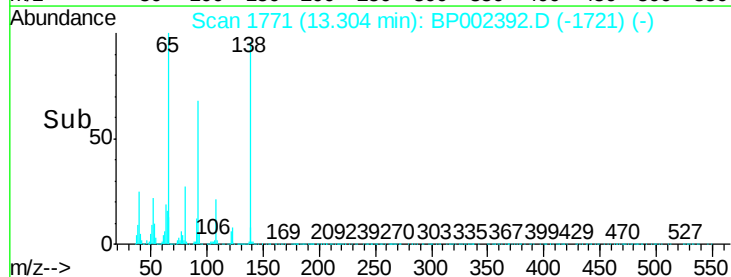
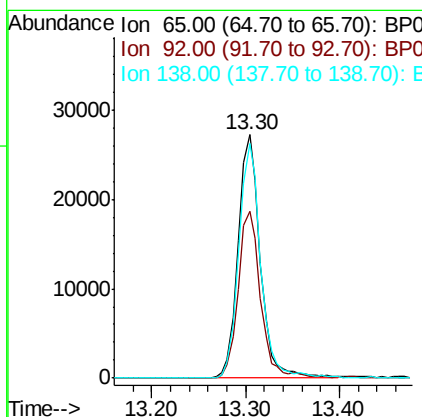
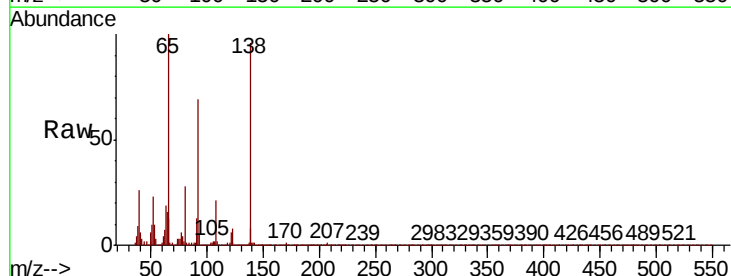
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

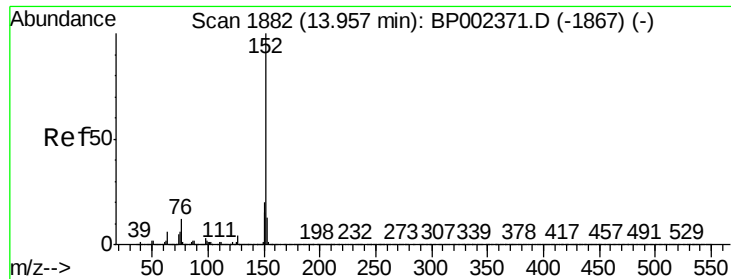
Tot Ion	Ratio	Lower	Upper
162	100		
127	37.8	31.0	46.4
164	31.8	26.6	40.0



#48
2-Nitroaniline
Concen: 7.193 ng
RT: 13.30 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.7	56.3	84.5
138	96.3	85.0	127.6





#49

Acenaphthylene

Concen: 8.850 ng

RT: 13.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

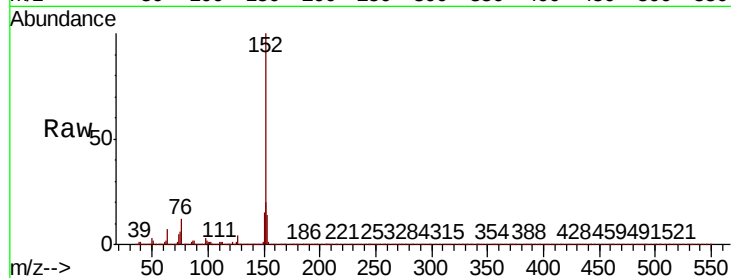
Tot Ion:152 Resp: 274386

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

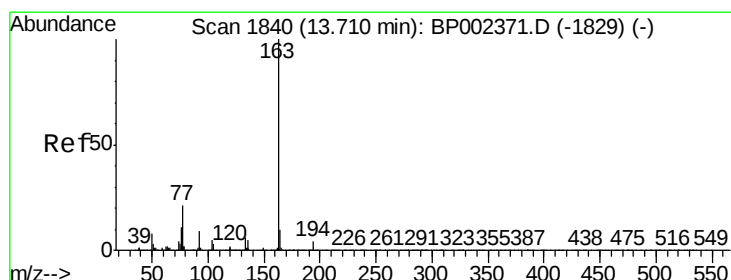
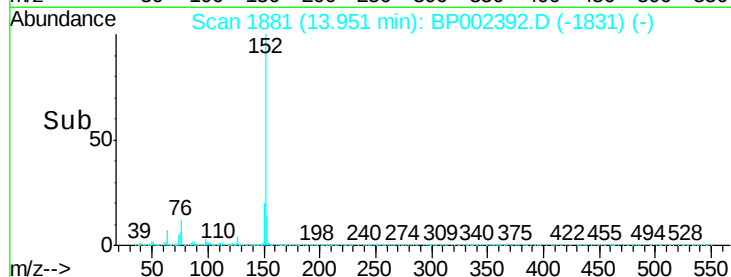
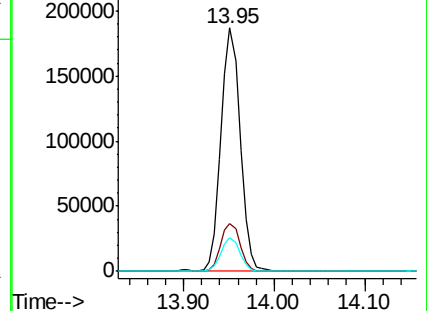
153 13.7 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 8.574 ng

RT: 13.70 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

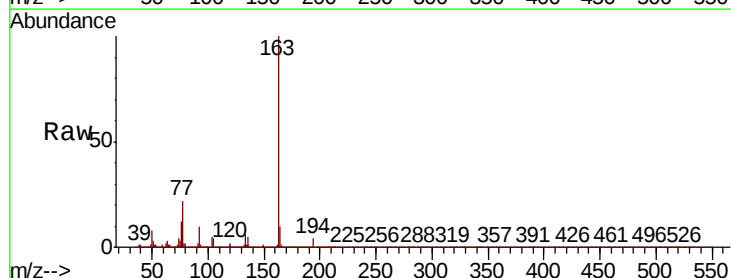
Tgt Ion:163 Resp: 212872

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

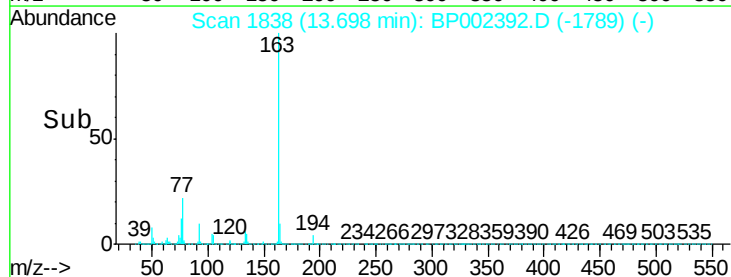
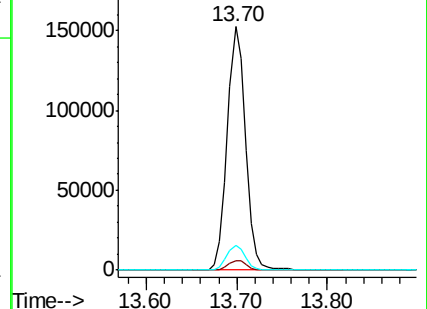
164 10.3 8.1 12.1

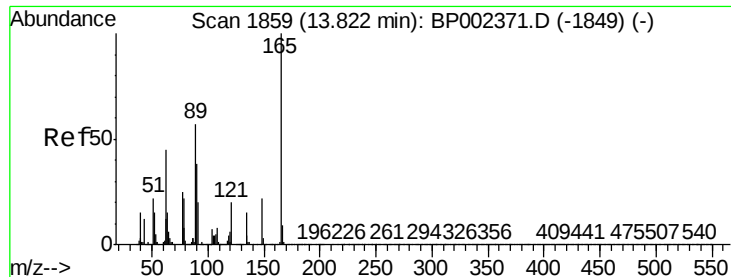


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

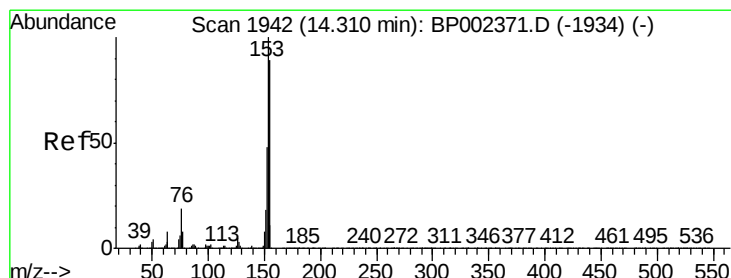
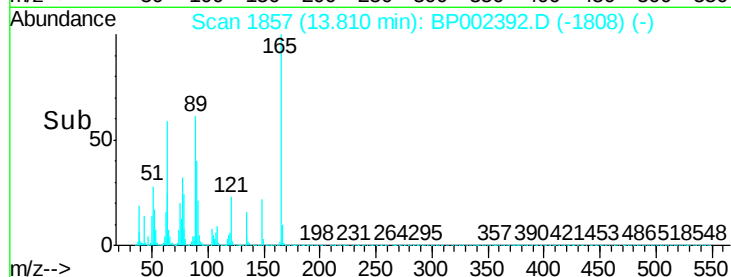
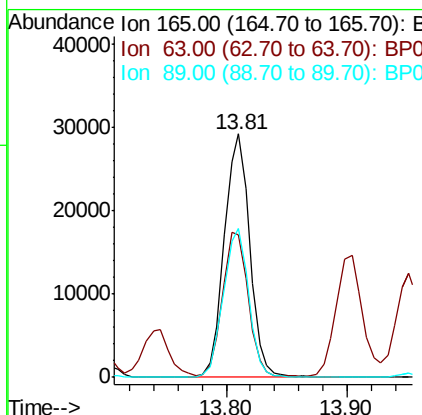
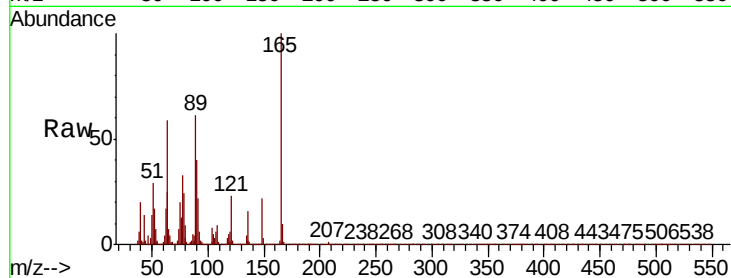




#51
2,6-Dinitrotoluene
Concen: 7.908 ng
RT: 13.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

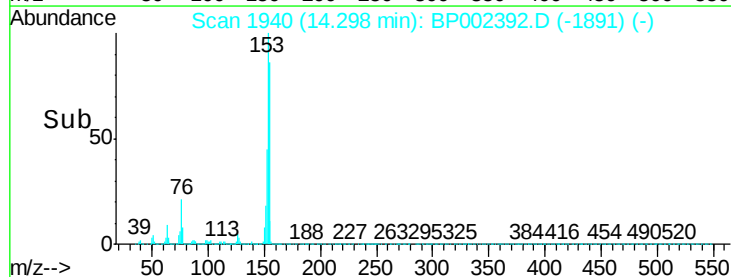
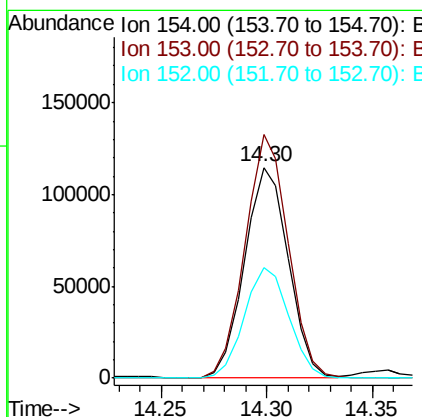
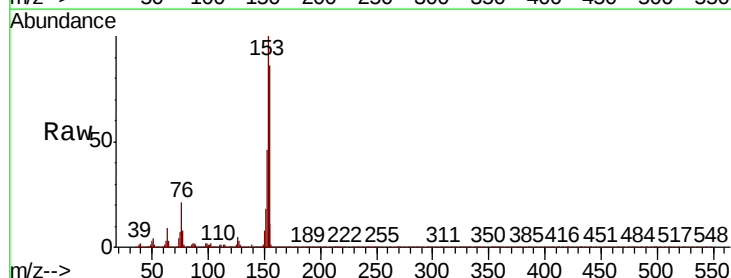
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

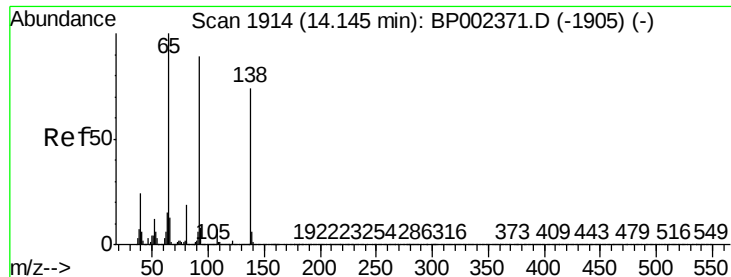
Tot Ion:165 Resp: 42640
Ion Ratio Lower Upper
165 100
63 58.7 43.1 64.7
89 61.0 45.3 67.9



#52
Acenaphthene
Concen: 9.105 ng
RT: 14.30 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:154 Resp: 165367
Ion Ratio Lower Upper
154 100
153 115.8 89.5 134.3
152 52.7 43.3 64.9

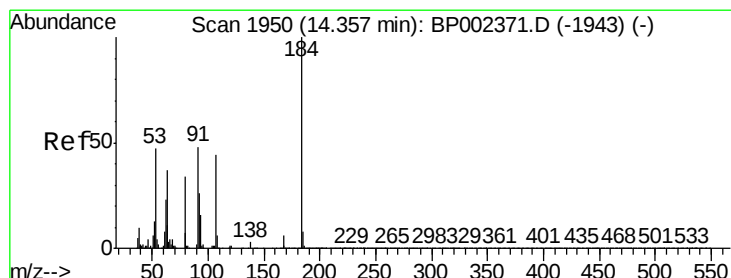
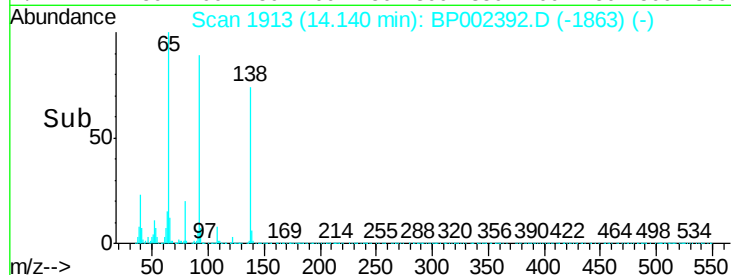
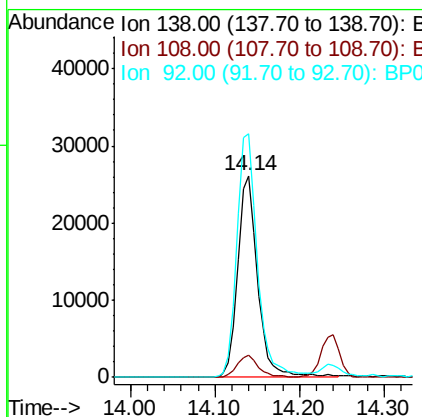
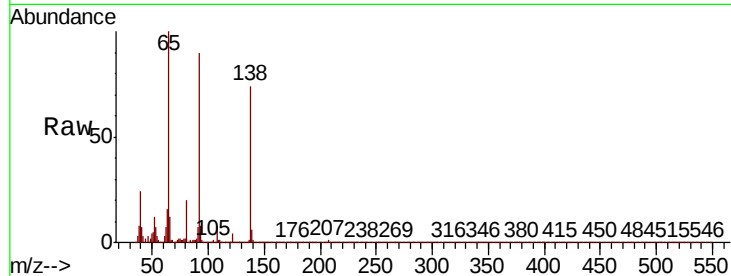




#53
3-Nitroaniline
Concen: 6.883 ng
RT: 14.14 min Scan# 1913
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

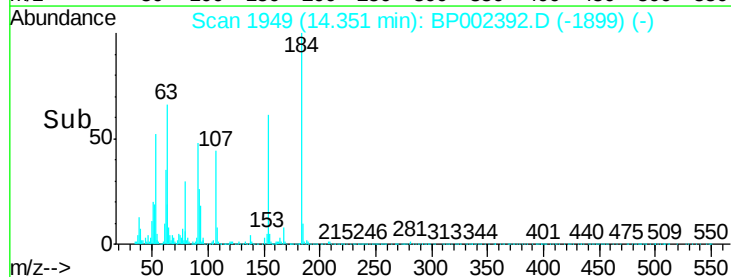
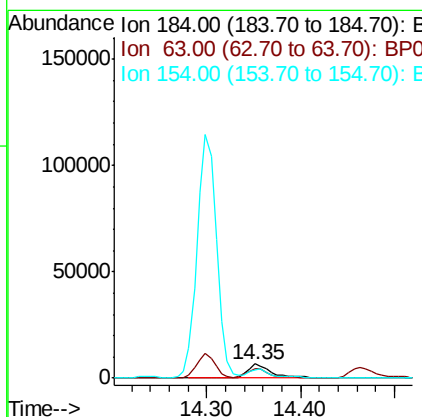
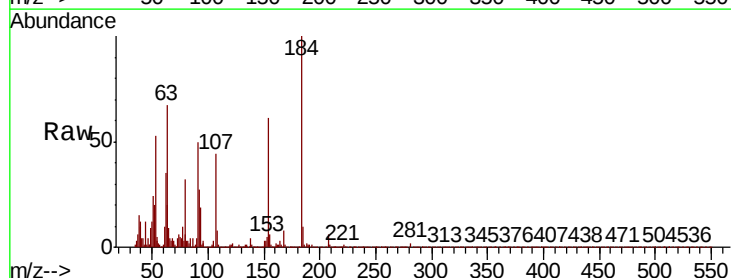
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

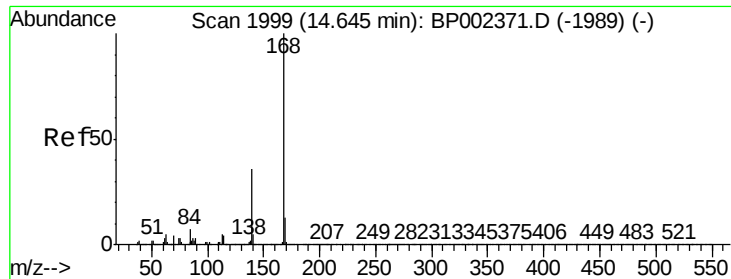
Tot Ion:138 Resp: 42376
Ion Ratio Lower Upper
138 100
108 11.2 8.0 12.0
92 120.6 96.2 144.2



#54
2,4-Dinitrophenol
Concen: 4.083 ng
RT: 14.35 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:184 Resp: 12074
Ion Ratio Lower Upper
184 100
63 67.2 52.3 78.5
154 60.8 48.6 72.8

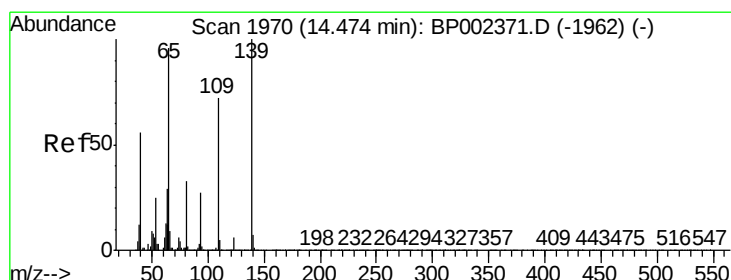
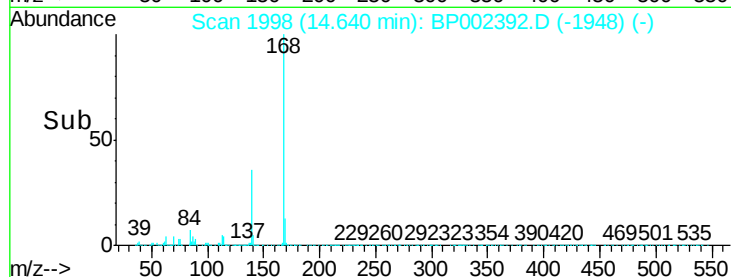
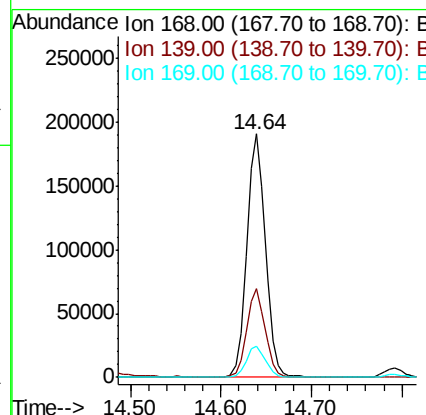
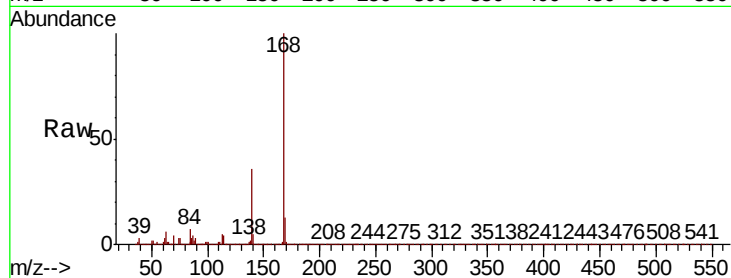




#55
Dibenzenofuran
Concen: 9.265 ng
RT: 14.64 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

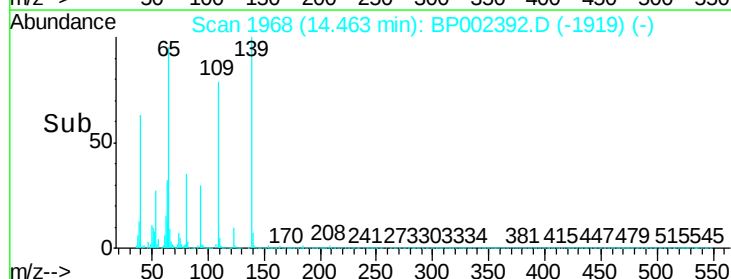
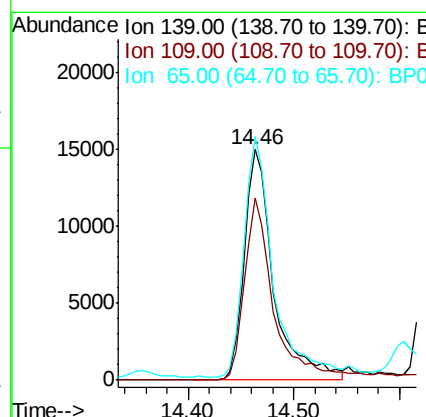
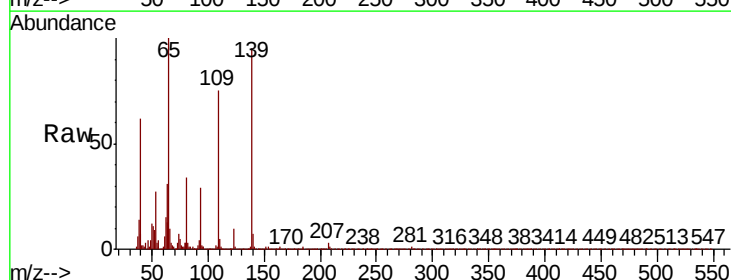
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

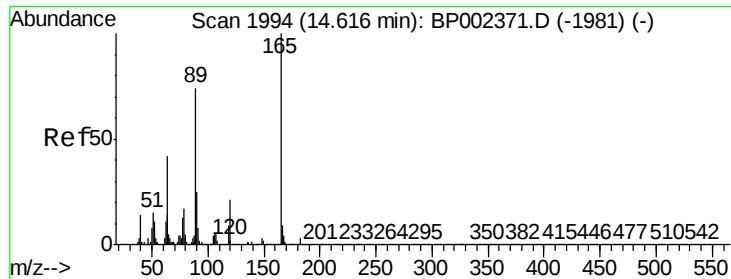
Tot Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.9	43.3
169	12.8	10.6	15.8



#56
4-Nitrophenol
Concen: 5.922 ng
RT: 14.46 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
139	100		
109	78.9	52.0	92.0
65	105.7	76.3	116.3

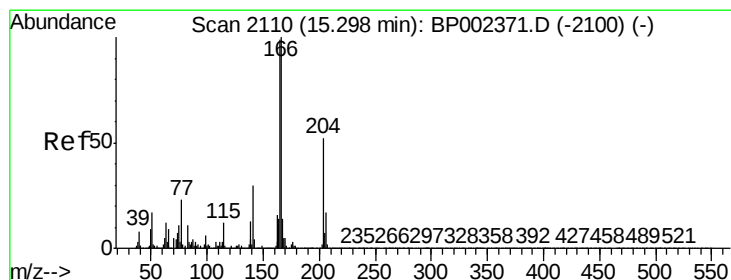
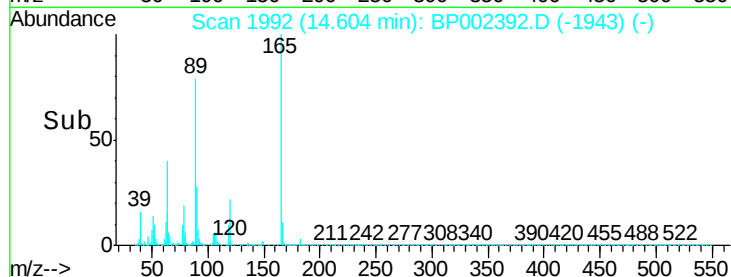
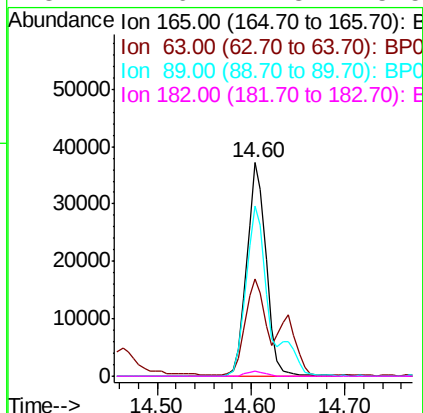
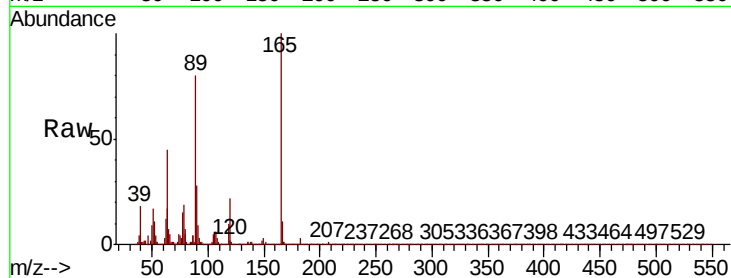




#57
2,4-Dinitrotoluene
Concen: 7.220 ng
RT: 14.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

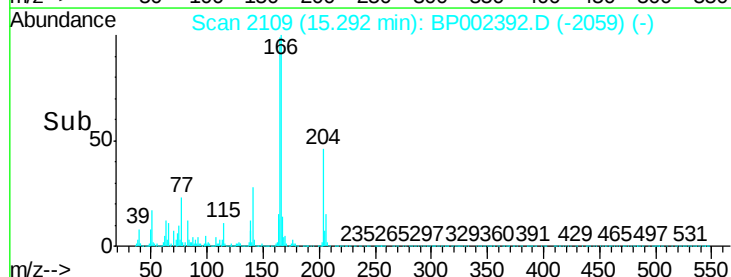
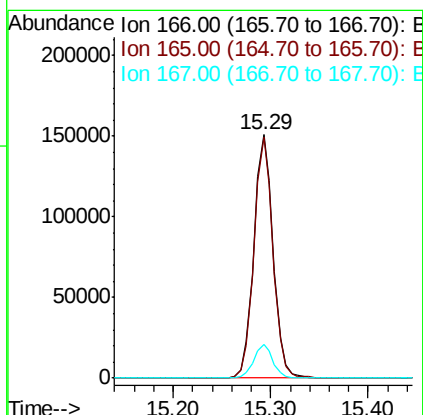
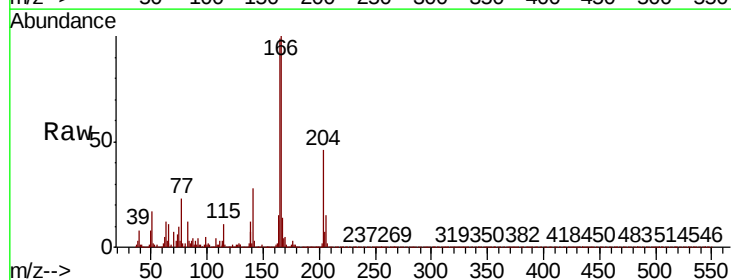
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

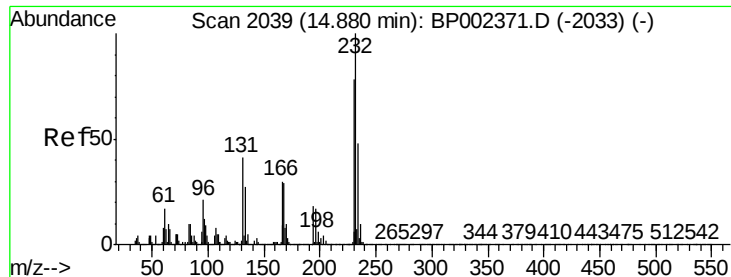
Tot Ion:165 Resp: 52990
Ion Ratio Lower Upper
165 100
63 45.5 34.2 51.2
89 79.8 59.3 88.9
182 2.6 2.3 3.5



#58
Fluorene
Concen: 9.179 ng
RT: 15.29 min Scan# 2109
Delta R.T. -0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:166 Resp: 211102
Ion Ratio Lower Upper
166 100
165 98.9 79.1 118.7
167 13.7 11.0 16.4

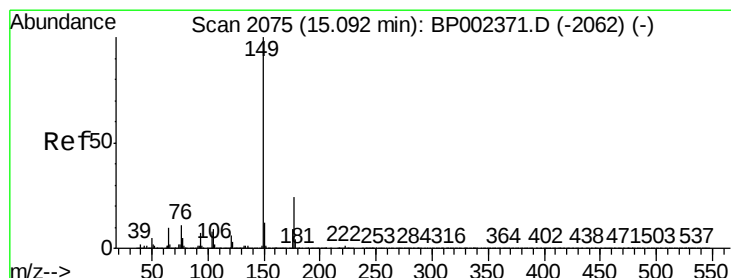
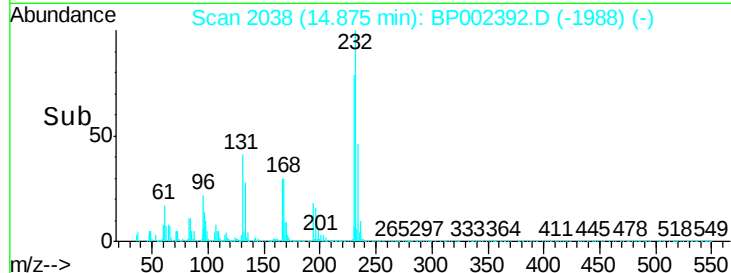
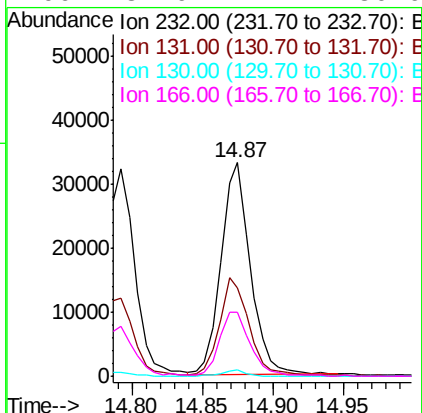
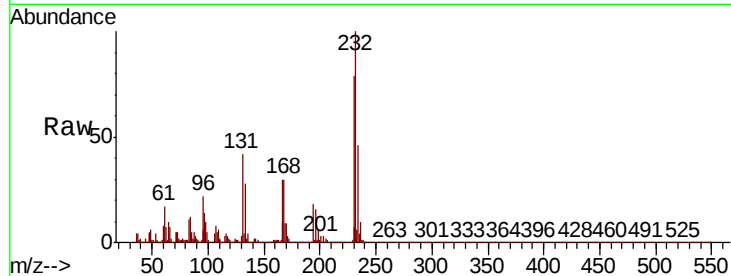




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 7.711 ng
 RT: 14.87 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 14:45

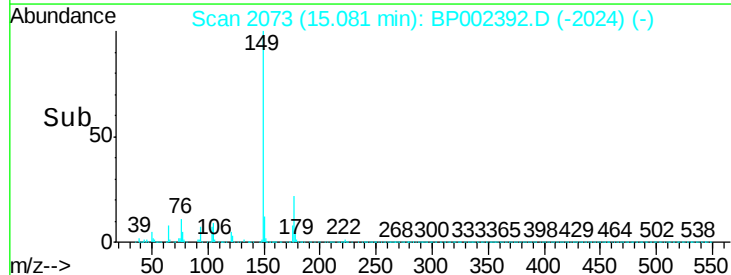
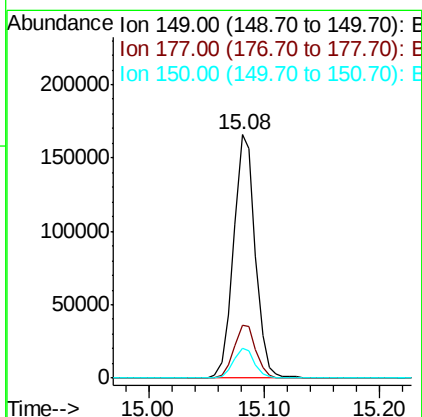
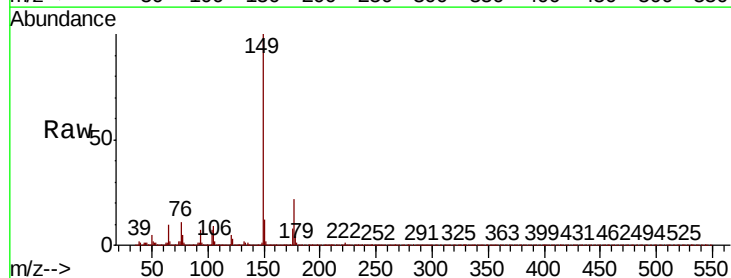
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT1-2020

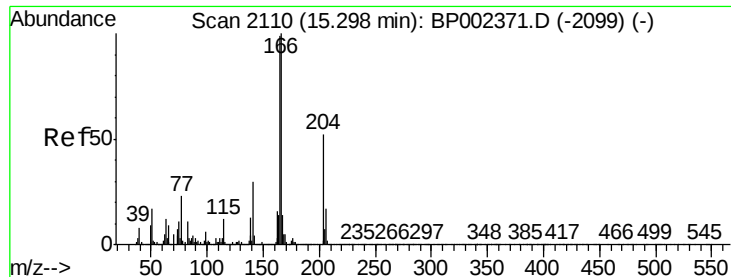
Tot Ion:232 Resp: 47912
 Ion Ratio Lower Upper
 232 100
 131 47.3 35.1 52.7
 130 2.4 1.8 2.8
 166 31.6 24.4 36.6



#60
 Diethylphthalate
 Concen: 8.656 ng
 RT: 15.08 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 14:45

Tgt Ion:149 Resp: 215325
 Ion Ratio Lower Upper
 149 100
 177 21.7 18.9 28.3
 150 12.5 9.9 14.9

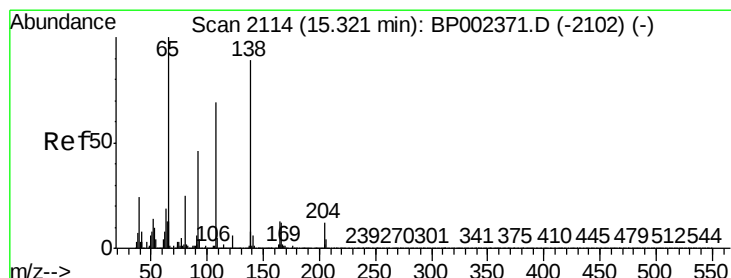
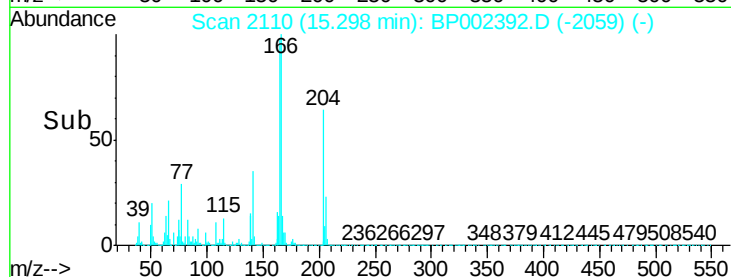
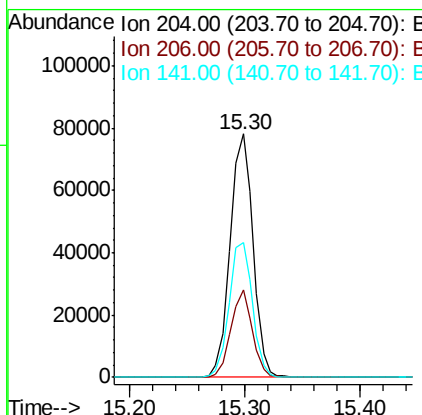
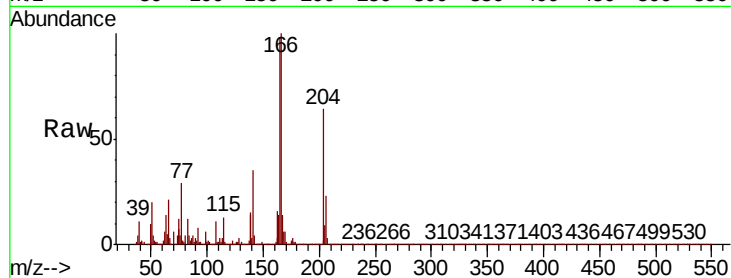




#61
4-Chlorophenyl-phenylether
Concen: 9.643 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

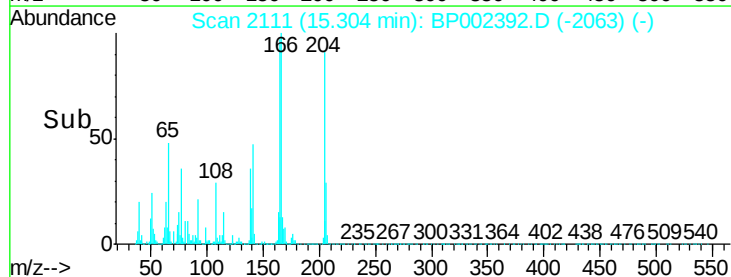
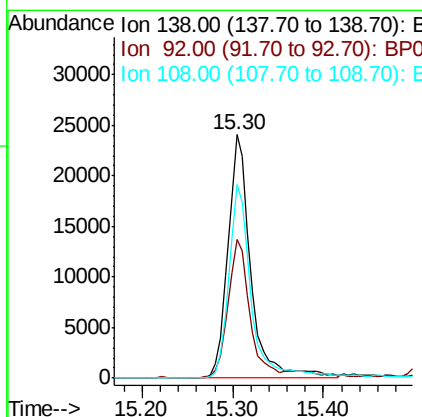
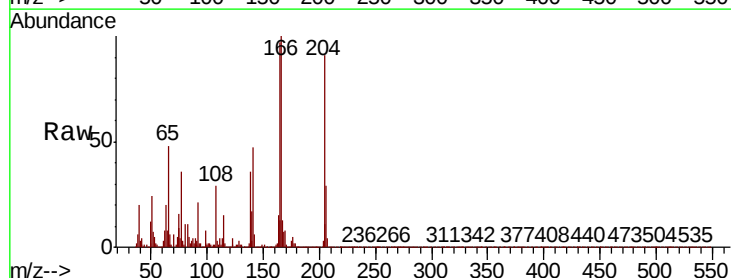
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

Tot Ion:204 Resp: 107504
Ion Ratio Lower Upper
204 100
206 35.7 26.8 40.2
141 55.5 46.6 69.8



#62
4-Nitroaniline
Concen: 7.173 ng
RT: 15.30 min Scan# 2111
Delta R.T. -0.02 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:138 Resp: 42433
Ion Ratio Lower Upper
138 100
92 57.2 31.7 71.7
108 79.5 57.5 97.5





#63

Azobenzene

Concen: 9.072 ng

RT: 15.59 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion: 77 Resp: 224627

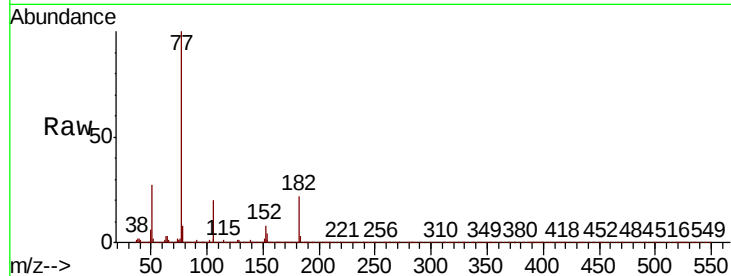
Ion Ratio Lower Upper

77 100

182 21.6 6.0 46.0

105 19.5 1.3 41.3

51 27.5 8.7 48.7

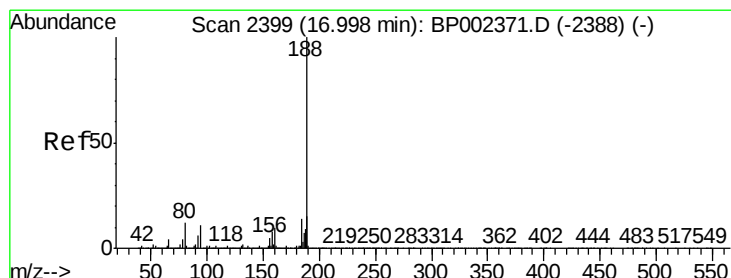
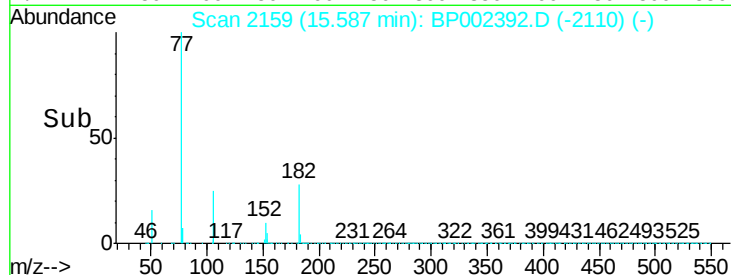
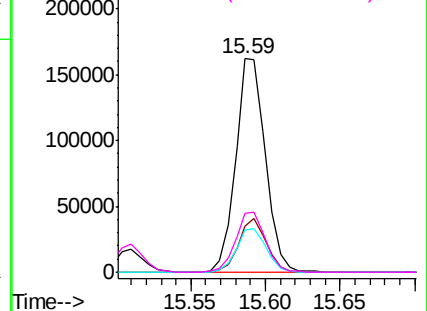


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BP0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2398

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

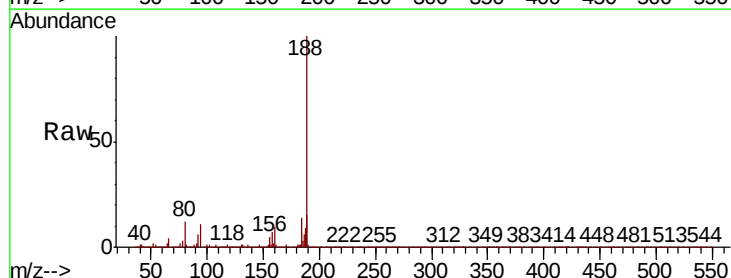
Tgt Ion: 188 Resp: 772483

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

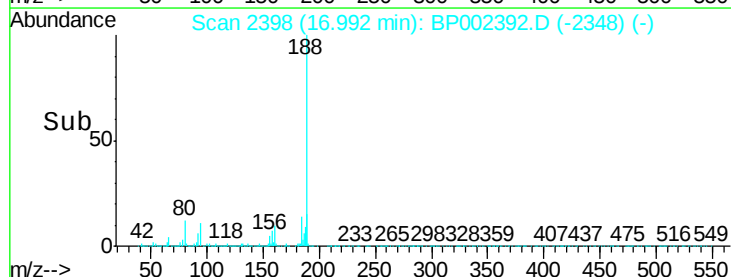
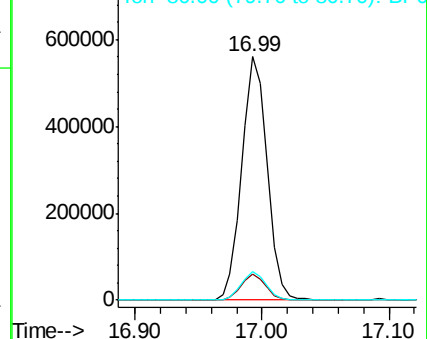
80 11.7 9.4 14.0

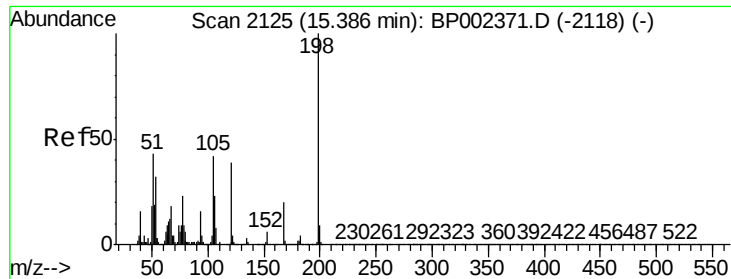


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

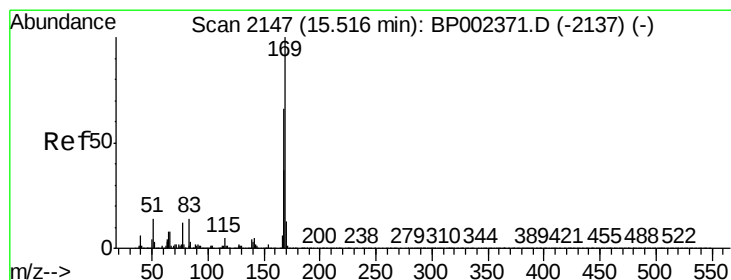
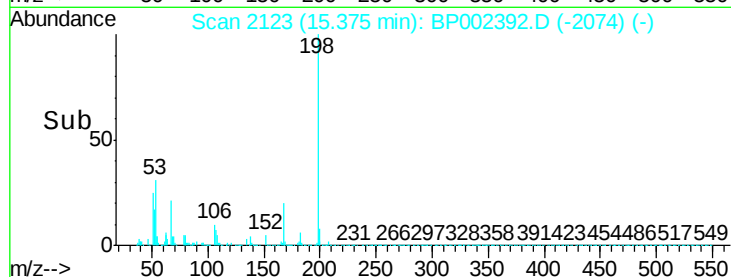
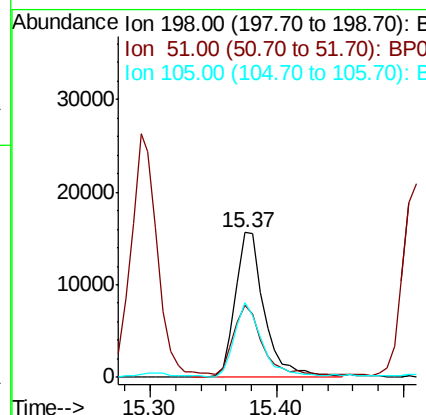
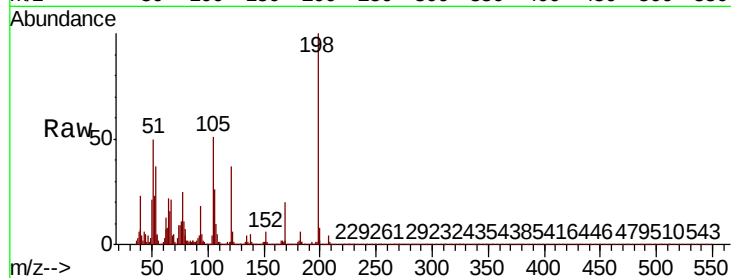




#65
4,6-Dinitro-2-methylphenol
Concen: 6.061 ng
RT: 15.37 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

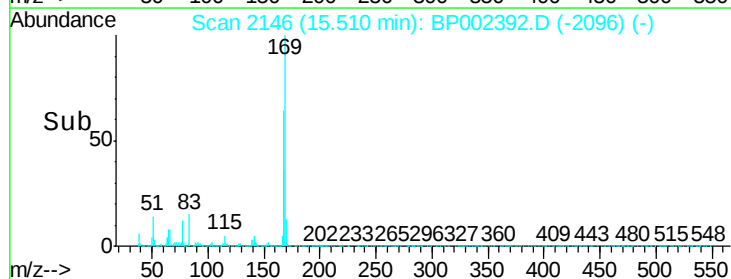
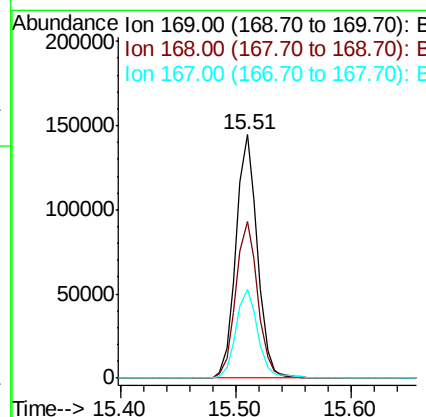
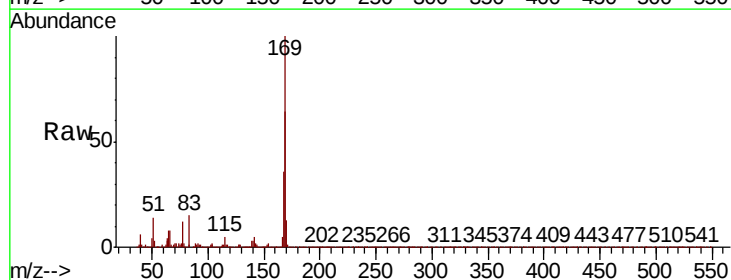
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

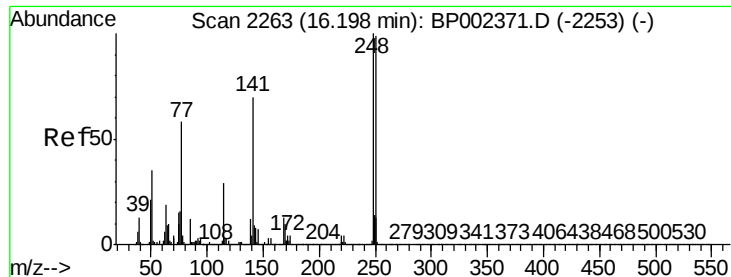
Tot Ion:198 Resp: 24707
Ion Ratio Lower Upper
198 100
51 50.1 23.4 63.4
105 51.3 22.5 62.5



#66
n-Nitrosodiphenylamine
Concen: 9.394 ng
RT: 15.51 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:169 Resp: 185382
Ion Ratio Lower Upper
169 100
168 64.4 52.8 79.2
167 36.4 29.4 44.0

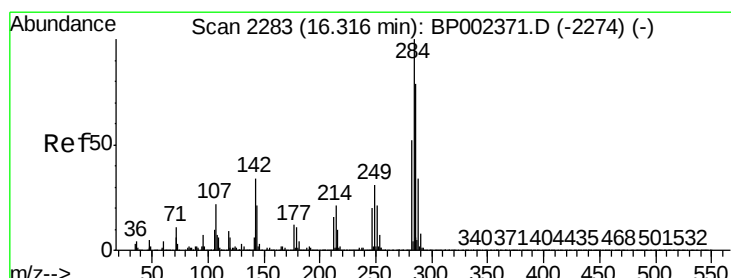
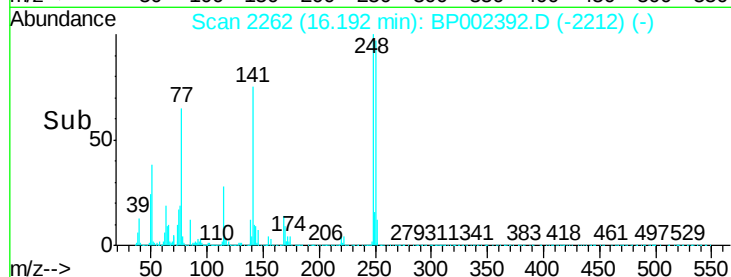
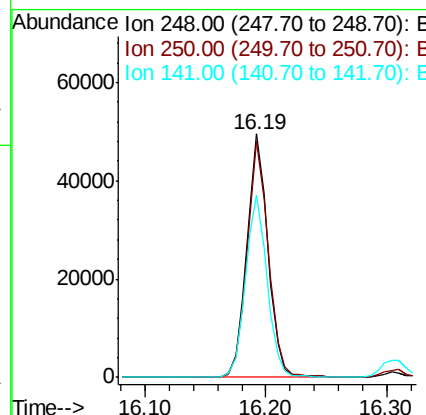
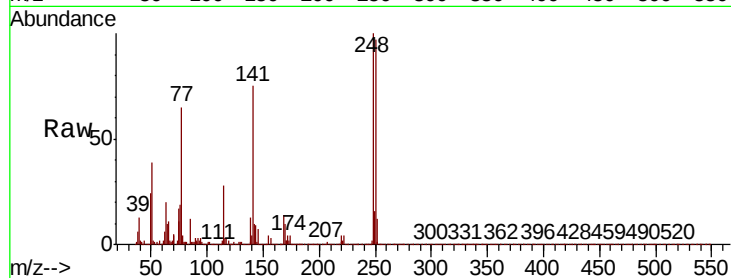




#67
4-Bromophenyl-phenylether
Concen: 8.293 ng
RT: 16.19 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

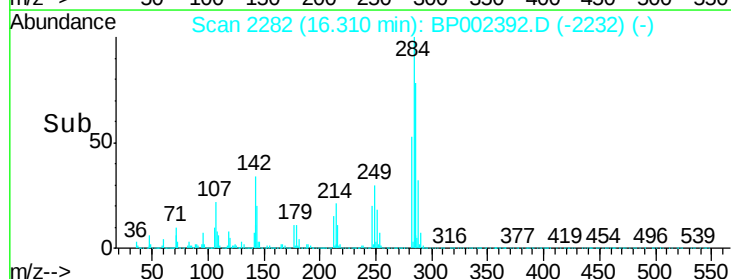
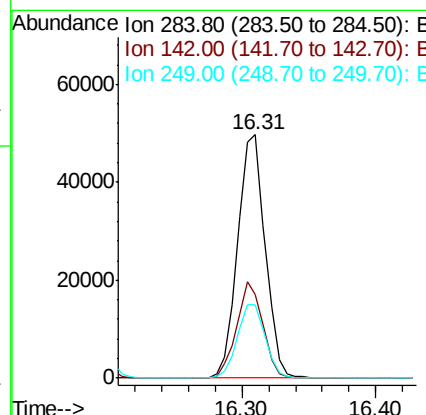
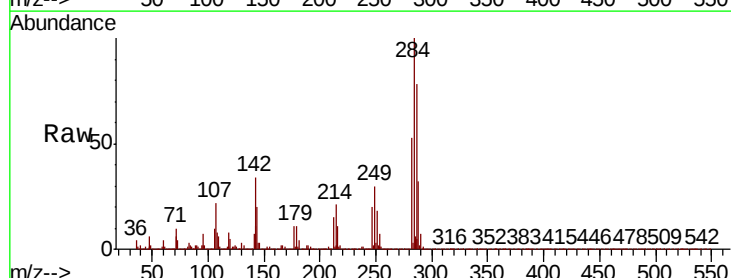
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

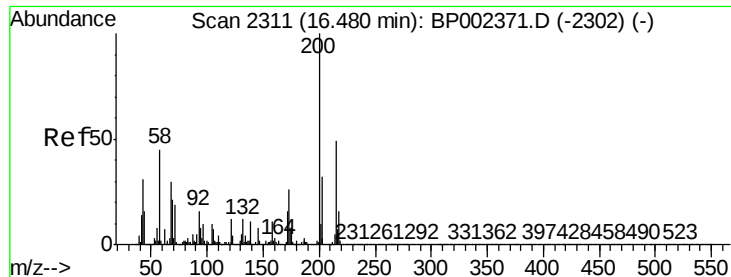
Tot Ion:248 Resp: 60685
Ion Ratio Lower Upper
248 100
250 96.8 79.3 118.9
141 75.1 55.7 83.5



#68
Hexachlorobenzene
Concen: 9.181 ng
RT: 16.31 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:284 Resp: 71289
Ion Ratio Lower Upper
284 100
142 34.2 27.4 41.0
249 30.2 24.9 37.3





#69

Atrazine

Concen: 10.139 ng

RT: 16.47 min Scan# 2309

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

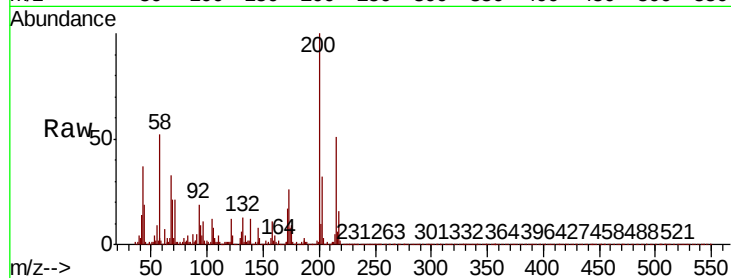
Tot Ion:200 Resp: 65268

Ion Ratio Lower Upper

200 100

173 25.9 6.4 46.4

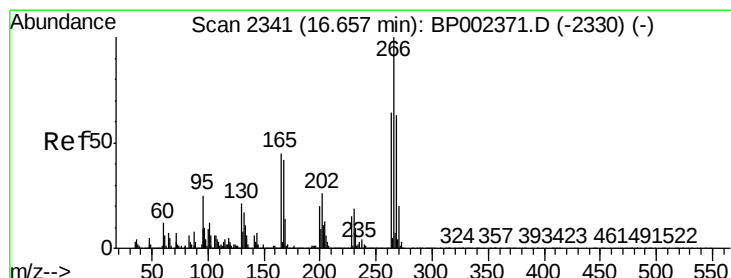
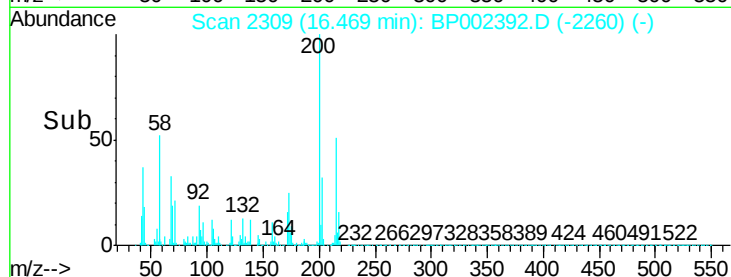
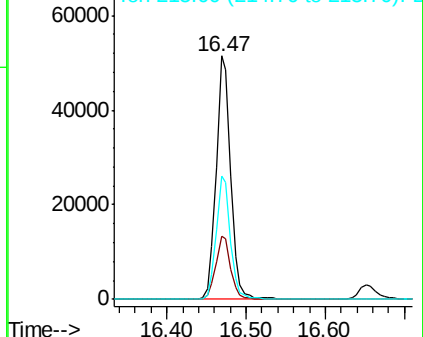
215 50.7 29.3 69.3



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 6.187 ng

RT: 16.66 min Scan# 2341

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

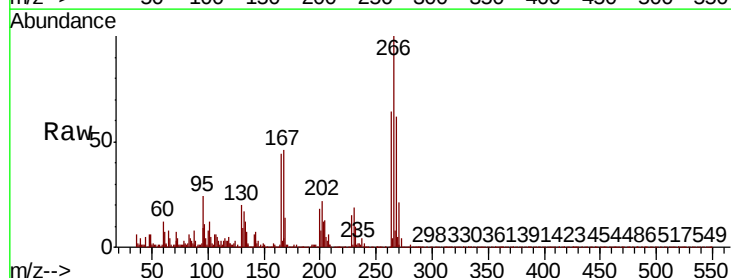
Tgt Ion:266 Resp: 28745

Ion Ratio Lower Upper

266 100

268 61.7 50.5 75.7

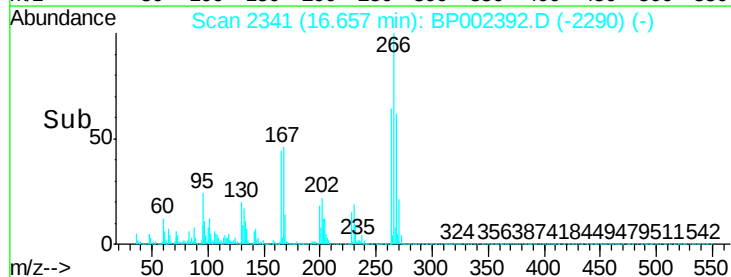
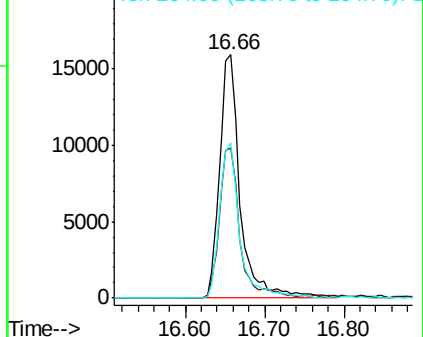
264 63.7 51.4 77.0

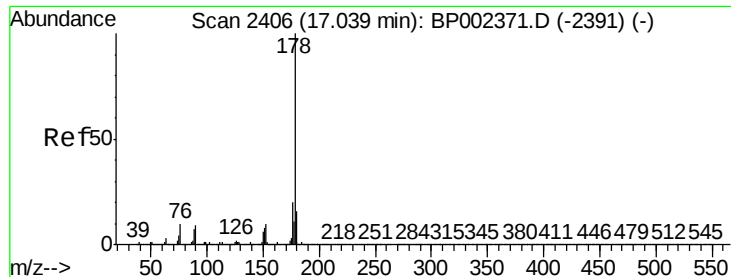


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 9.572 ng

RT: 17.03 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

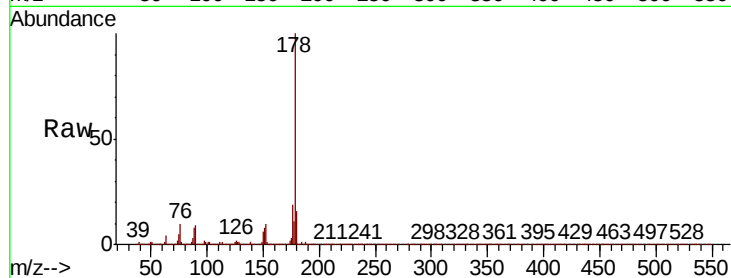
BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

Tot Ion:178 Resp: 345896

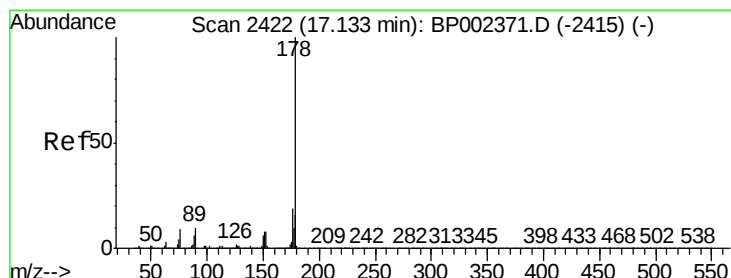
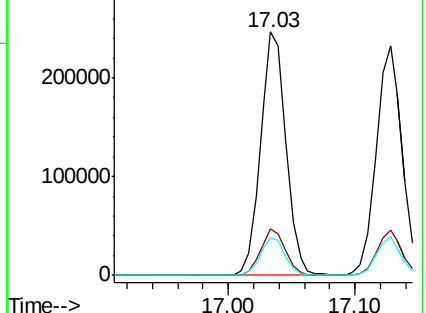
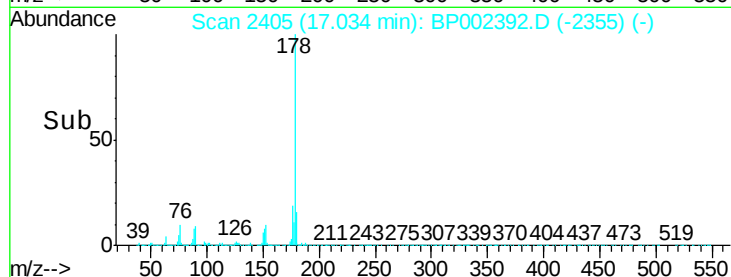
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.6
179	15.5	12.5	18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.326 ng

RT: 17.13 min Scan# 2421

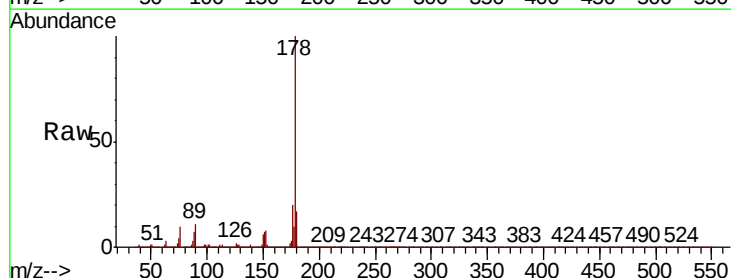
Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Tgt Ion:178 Resp: 334771

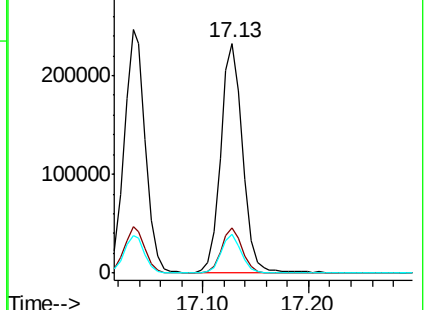
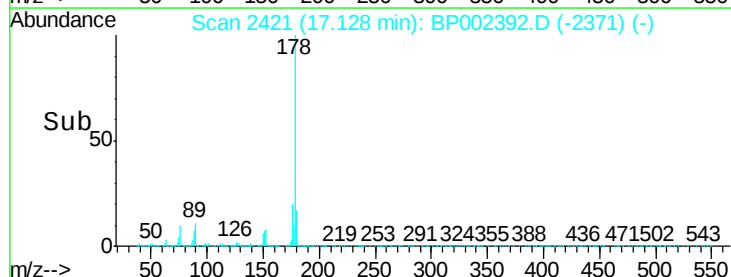
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	16.7	13.0	19.4

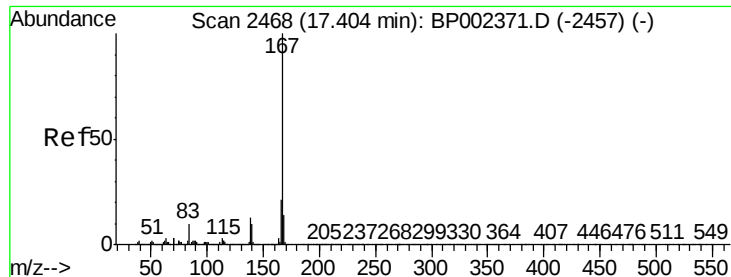


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 8.598 ng

RT: 17.40 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

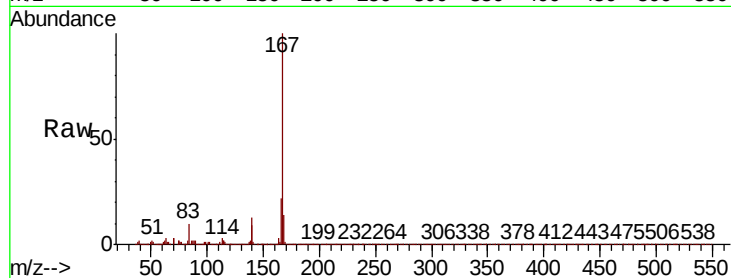
Tot Ion:167 Resp: 303628

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

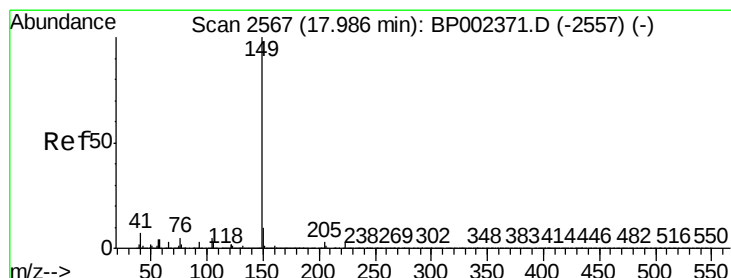
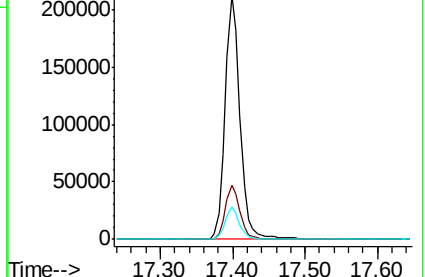
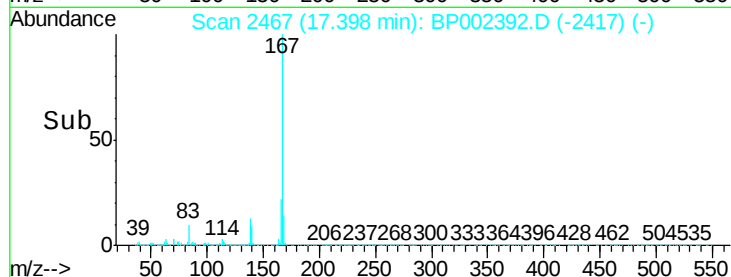
139 13.3 10.3 15.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 8.074 ng

RT: 17.99 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

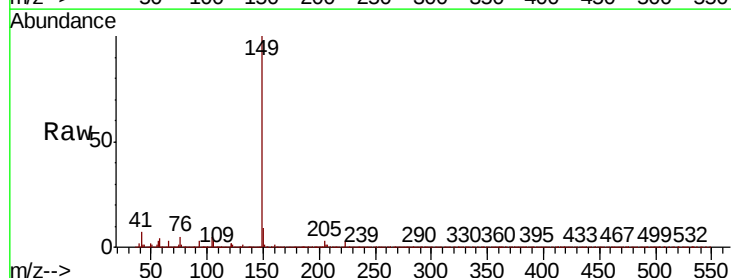
Tgt Ion:149 Resp: 337429

Ion Ratio Lower Upper

149 100

150 8.8 7.7 11.5

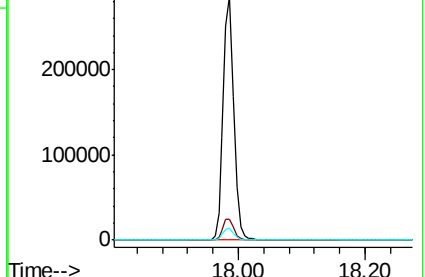
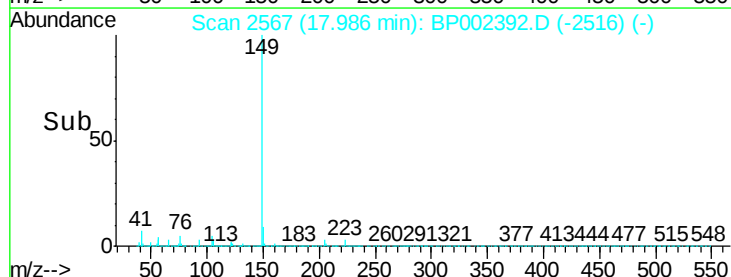
104 5.0 4.3 6.5

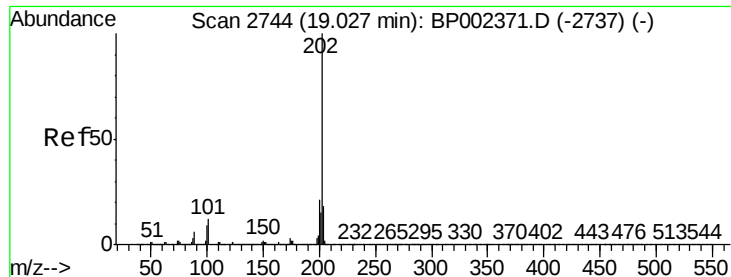


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 9.048 ng

RT: 19.02 min Scan# 2743

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

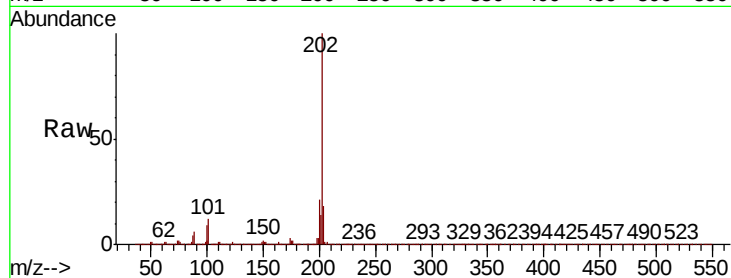
Tot Ion:202 Resp: 390281

Ion Ratio Lower Upper

202 100

101 12.4 0.0 31.8

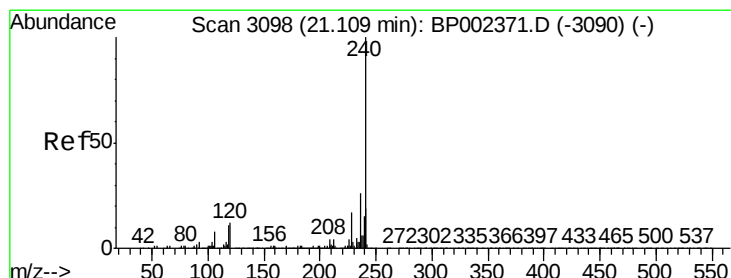
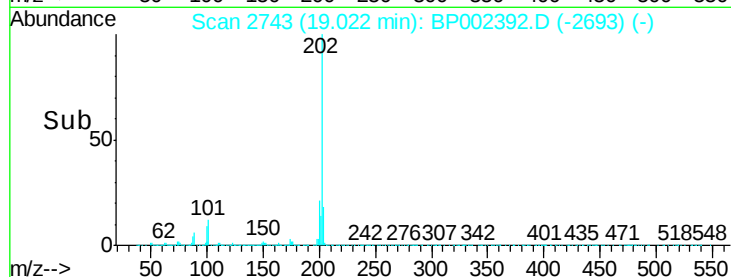
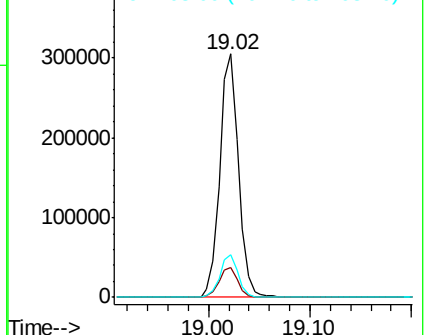
203 17.6 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.10 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

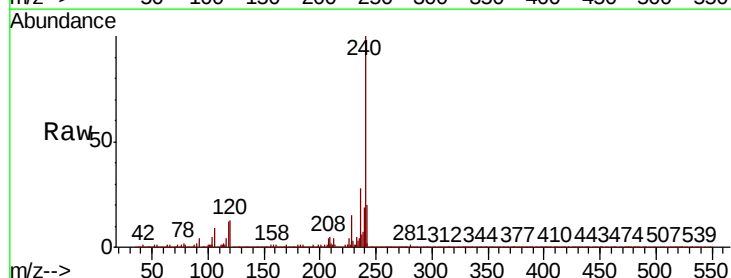
Tgt Ion:240 Resp: 711604

Ion Ratio Lower Upper

240 100

120 13.0 9.3 13.9

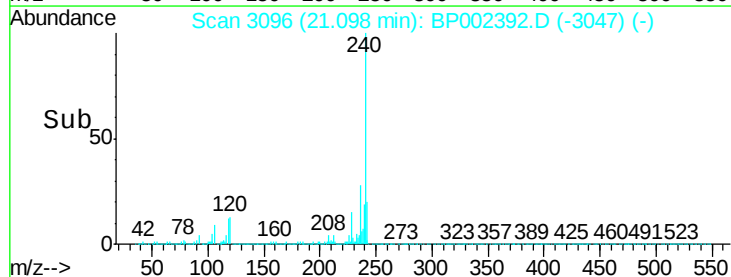
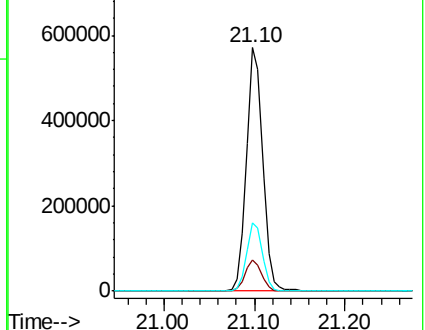
236 27.8 21.0 31.6

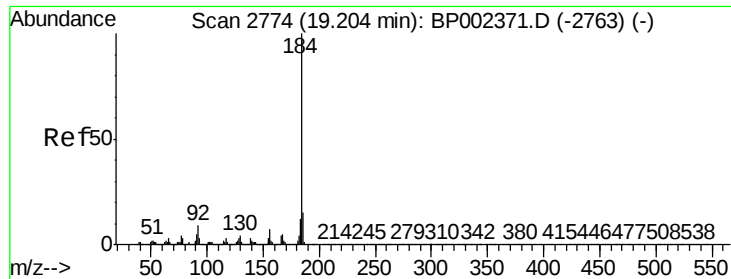


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

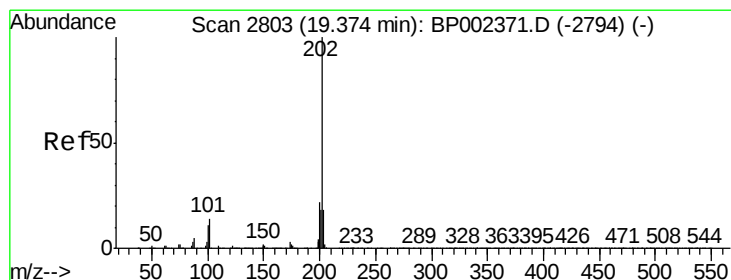
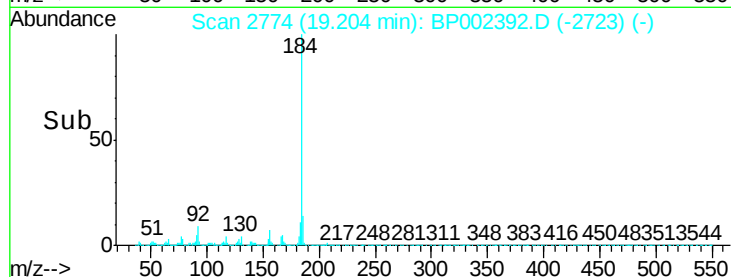
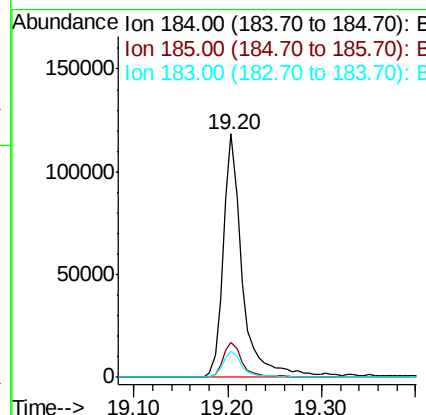
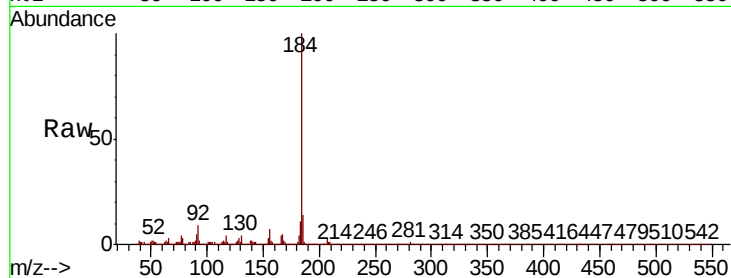




#77
Benzidine
Concen: 10.654 ng
RT: 19.20 min Scan# 2774
Delta R.T. 0.00 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

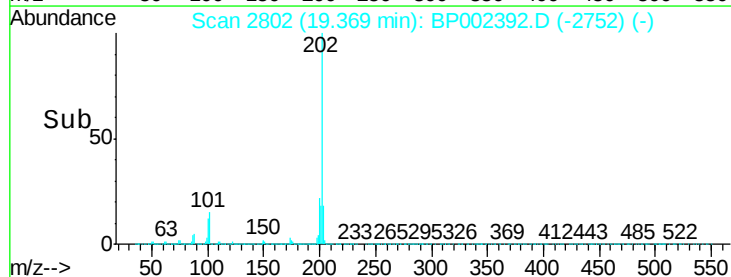
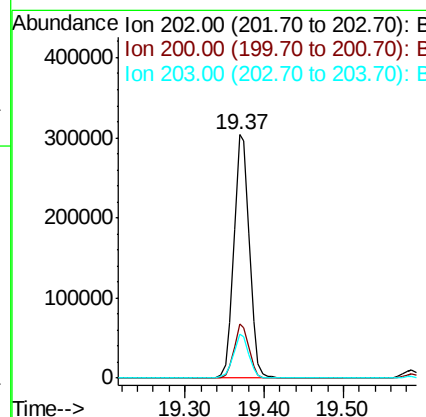
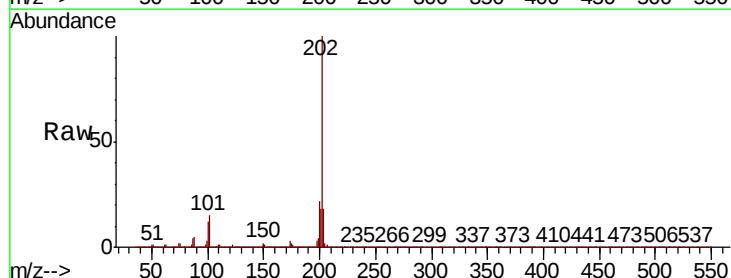
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

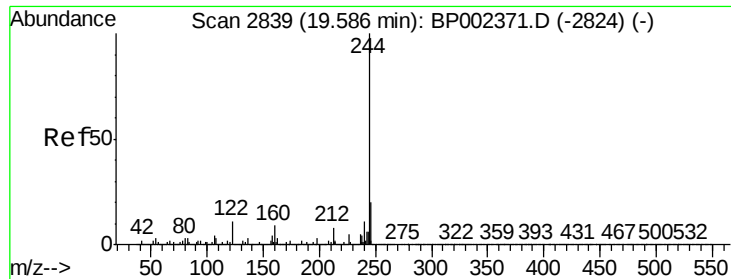
Tot Ion:184 Resp: 169413
Ion Ratio Lower Upper
184 100
185 14.3 11.8 17.8
183 10.7 9.2 13.8



#78
Pyrene
Concen: 9.416 ng
RT: 19.37 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:202 Resp: 410429
Ion Ratio Lower Upper
202 100
200 22.2 17.7 26.5
203 18.2 14.6 22.0





#79

Terphenyl-d14

Concen: 124.493 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

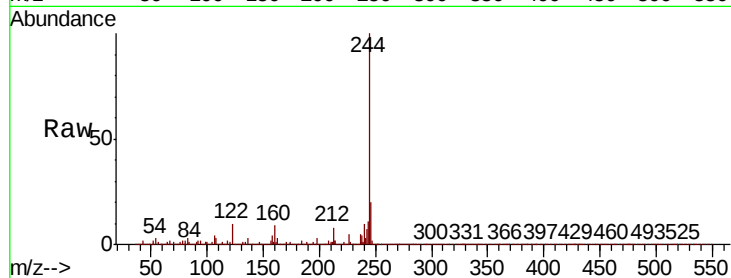
Tot Ion:244 Resp: 3381032

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

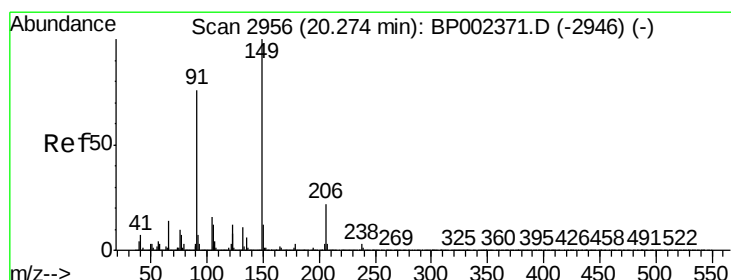
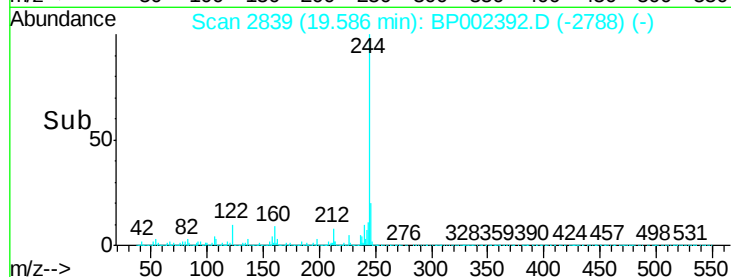
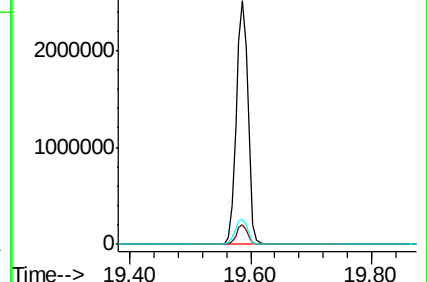
122 10.3 8.8 13.2



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: 7.210 ng

RT: 20.27 min Scan# 2955

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

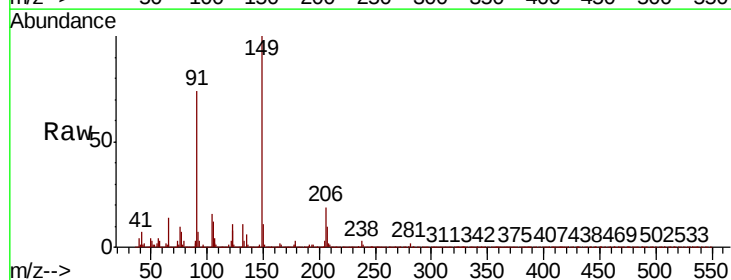
Tgt Ion:149 Resp: 139709

Ion Ratio Lower Upper

149 100

91 74.5 61.2 91.8

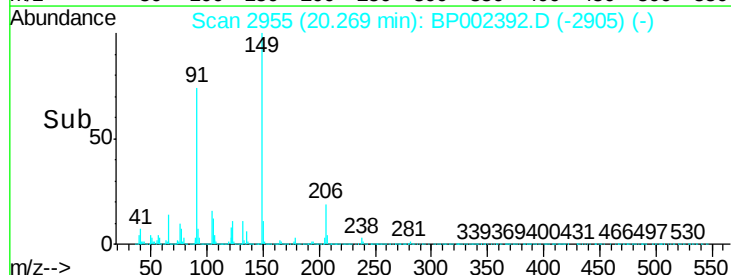
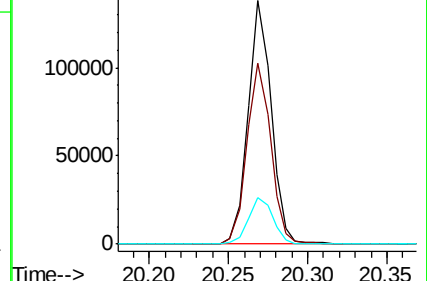
206 18.9 17.8 26.6

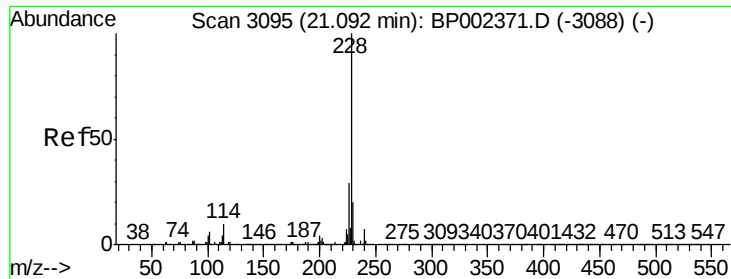


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E

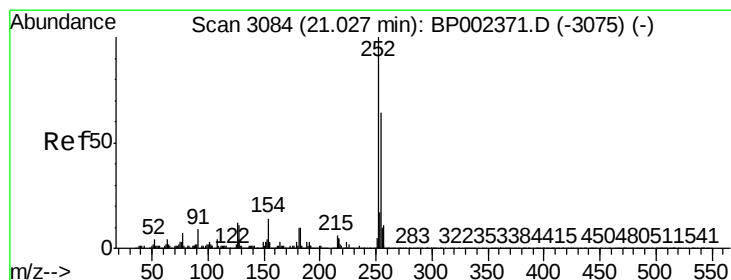
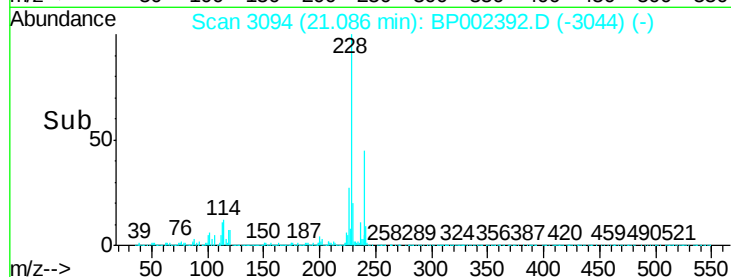
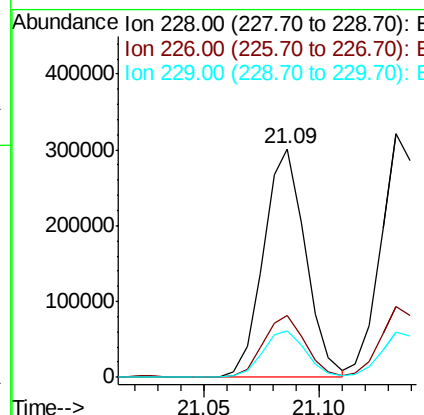
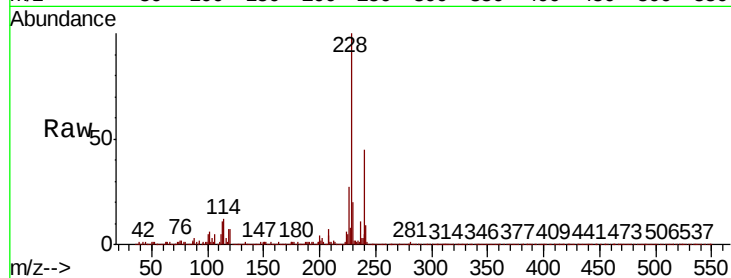




#81
Benzo(a)anthracene
Concen: 9.343 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

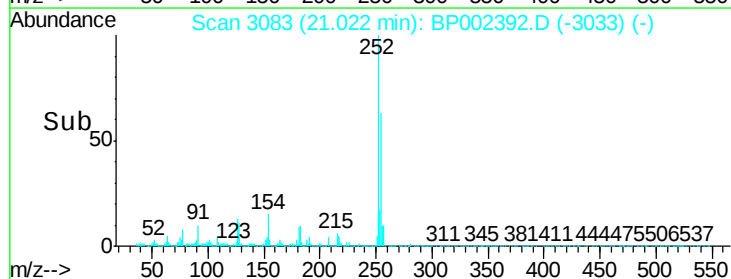
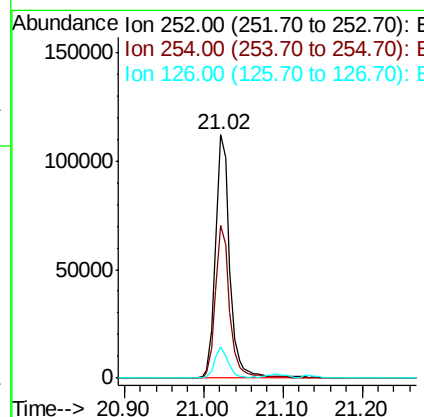
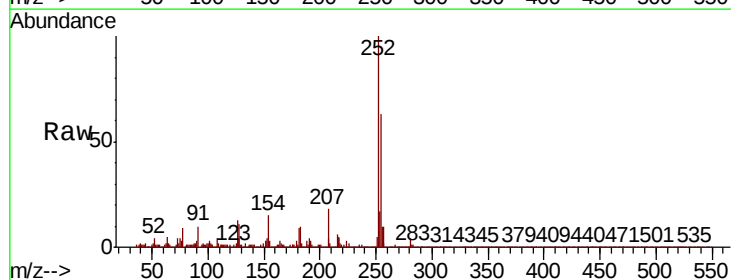
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

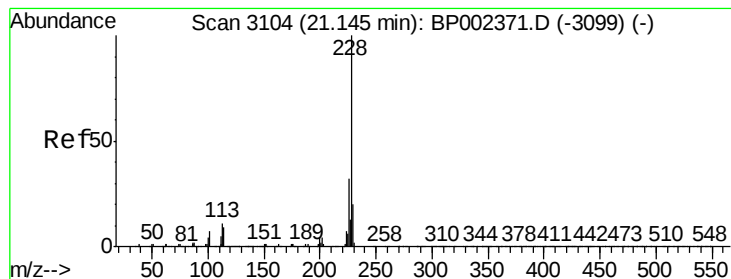
Tot Ion:228 Resp: 379511
Ion Ratio Lower Upper
228 100
226 27.4 22.8 34.2
229 20.2 16.2 24.2



#82
3,3'-Dichlorobenzidine
Concen: 9.278 ng
RT: 21.02 min Scan# 3083
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:252 Resp: 140046
Ion Ratio Lower Upper
252 100
254 62.8 51.4 77.2
126 12.8 9.2 13.8





#83

Chrysene

Concen: 10.203 ng

RT: 21.13 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

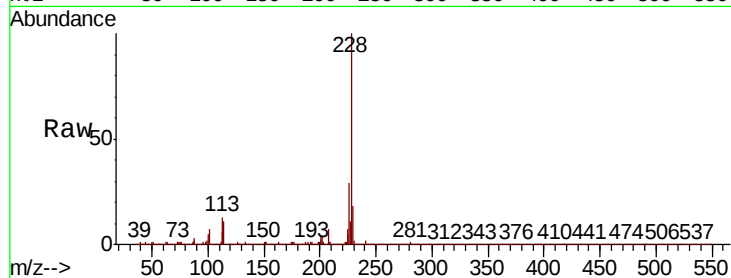
Tot Ion:228 Resp: 392657

Ion Ratio Lower Upper

228 100

226 29.1 25.2 37.8

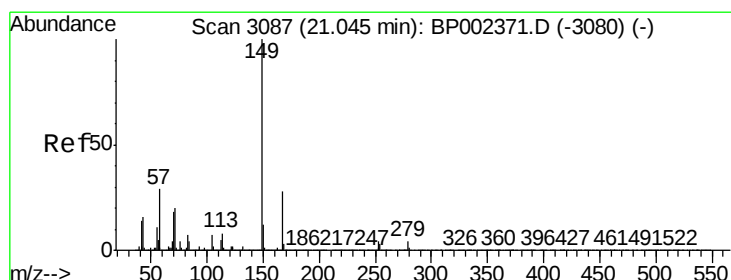
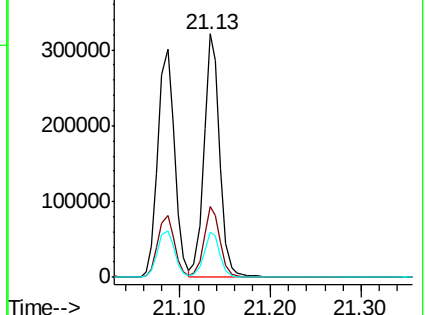
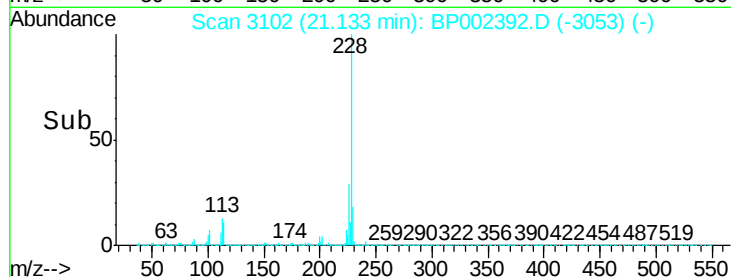
229 18.4 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.343 ng

RT: 21.05 min Scan# 3087

Delta R.T. 0.00 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

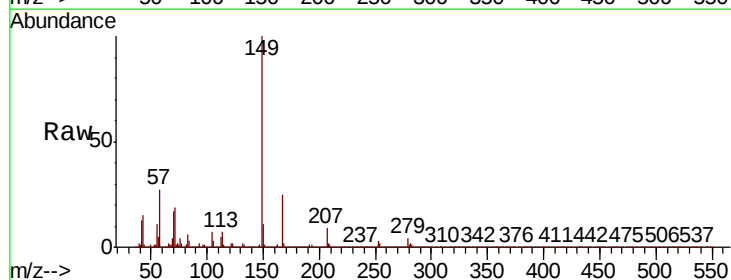
Tgt Ion:149 Resp: 235156

Ion Ratio Lower Upper

149 100

167 25.1 22.3 33.5

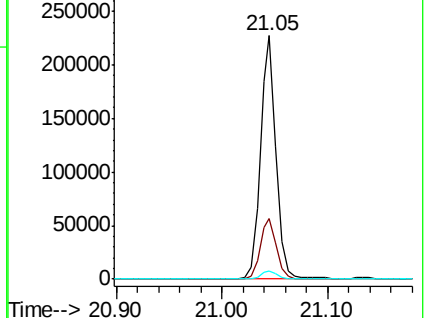
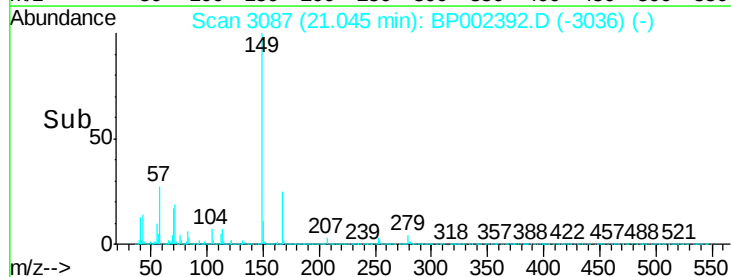
279 3.5 3.2 4.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

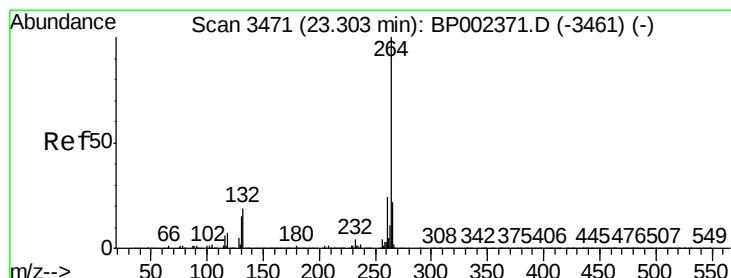
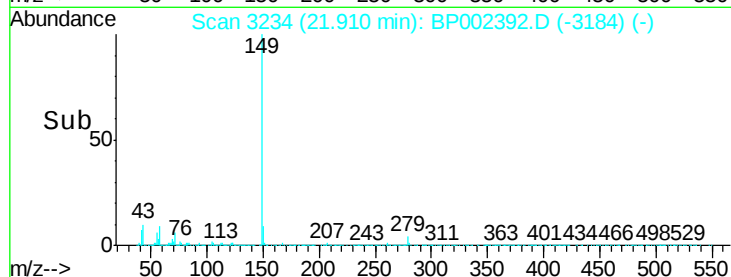
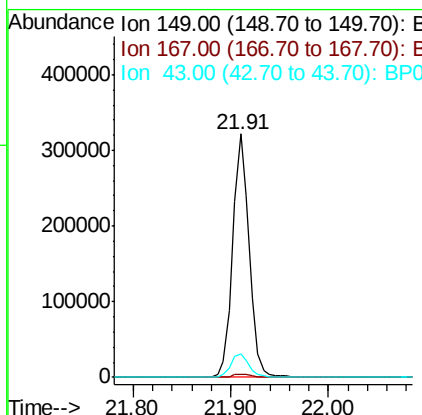
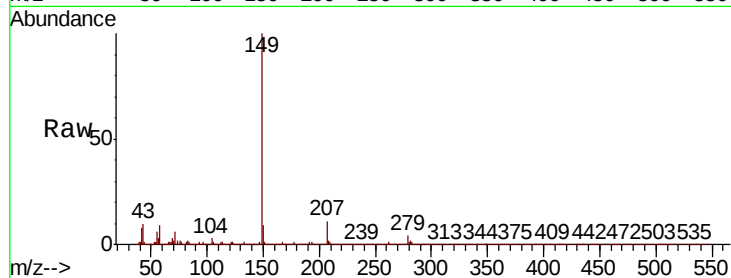




#85
Di-n-octyl phthalate
Concen: 7.607 ng
RT: 21.91 min Scan# 3234
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

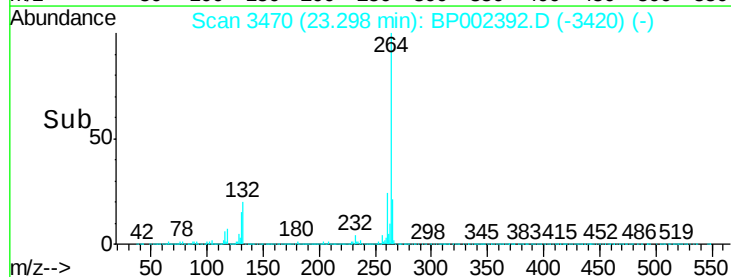
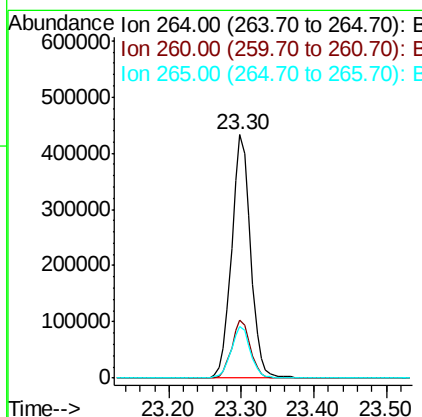
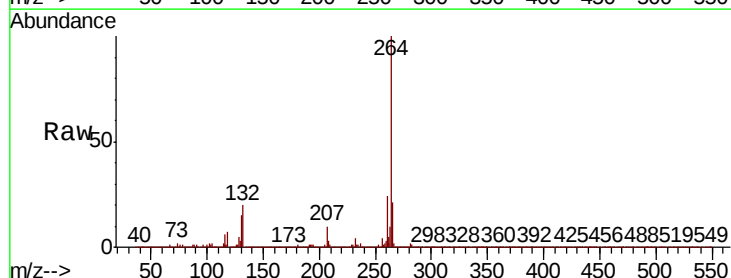
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT1-2020

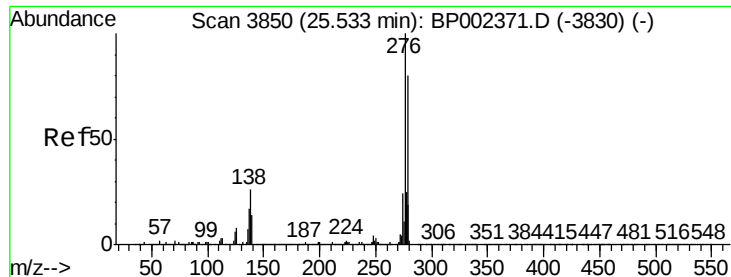
Tot Ion:149 Resp: 376066
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 10.4 7.8 11.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion:264 Resp: 788871
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.0
265 21.2 17.4 26.2

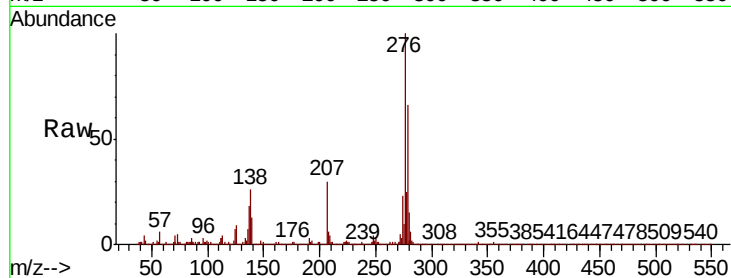




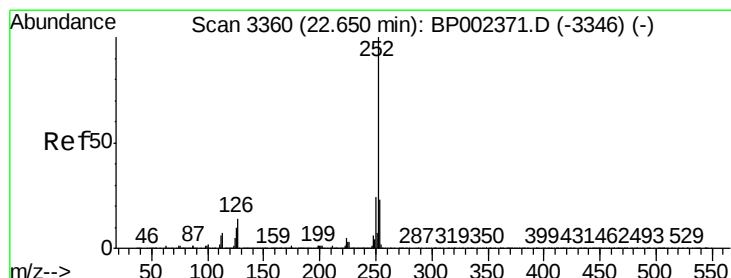
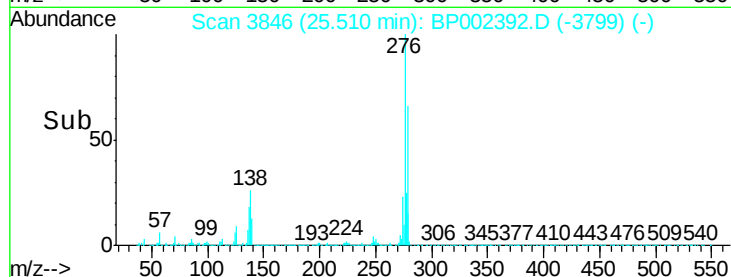
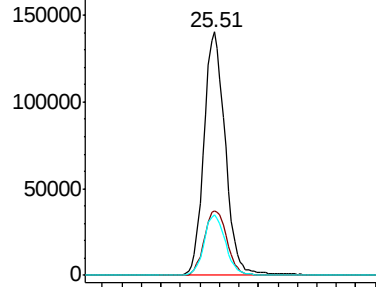
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.645 ng
 RT: 25.51 min Scan# 3846
 Delta R.T. -0.02 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.2	31.8
277	24.9	20.3	30.5

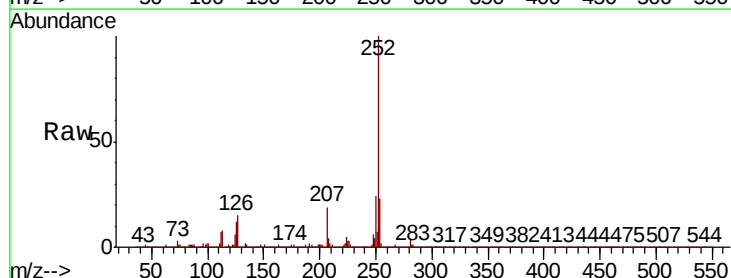


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

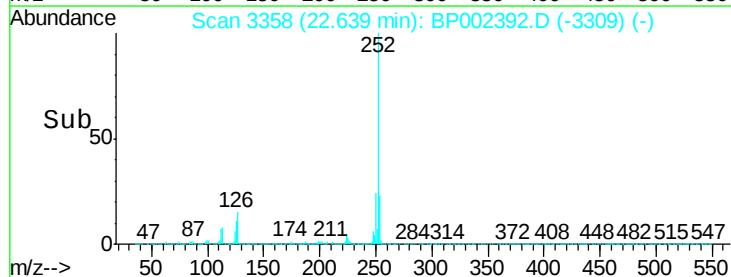
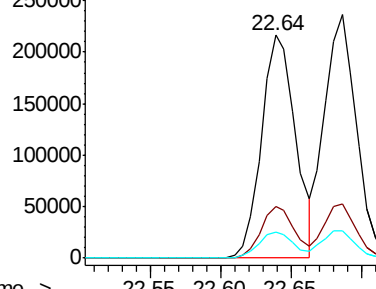


#88
 Benzo(b)fluoranthene
 Concen: 8.508 ng
 RT: 22.64 min Scan# 3358
 Delta R.T. -0.01 min
 Lab File: BP002392.D
 Acq: 11 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	11.6	8.2	12.2



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 9.391 ng

RT: 22.69 min Scan# 3366

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT1-2020

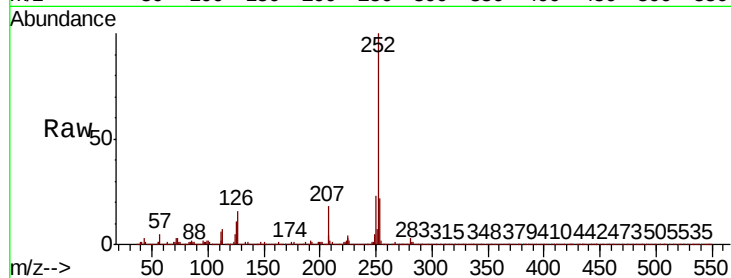
Tot Ion:252 Resp: 379596

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

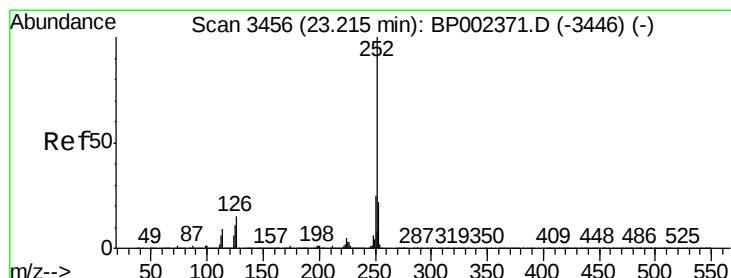
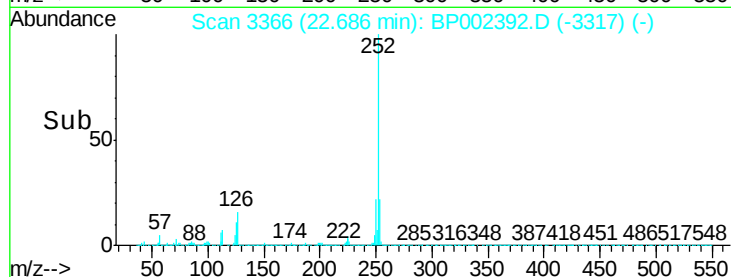
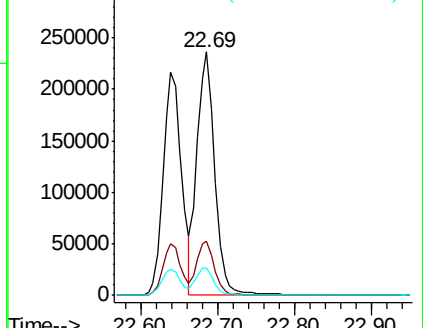
125 11.1 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 8.249 ng

RT: 23.20 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BP002392.D

Acq: 11 Jun 2020 14:45

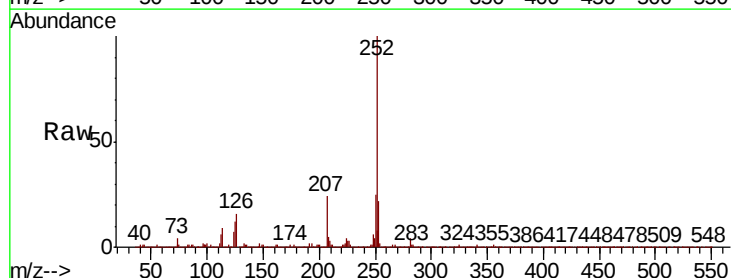
Tgt Ion:252 Resp: 328869

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

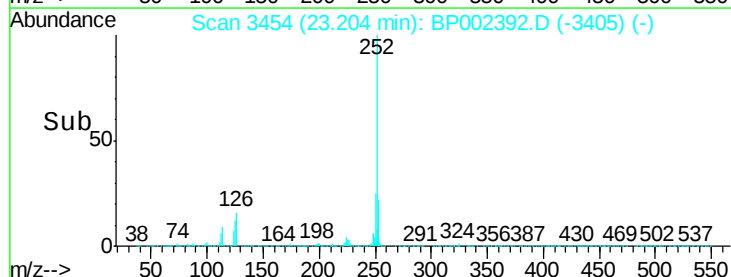
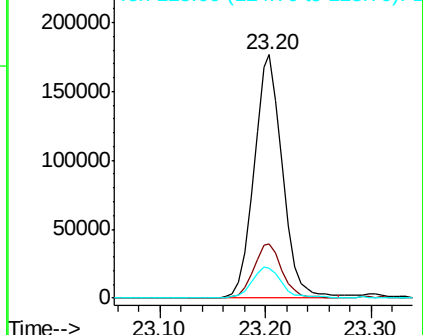
125 12.3 9.2 13.8

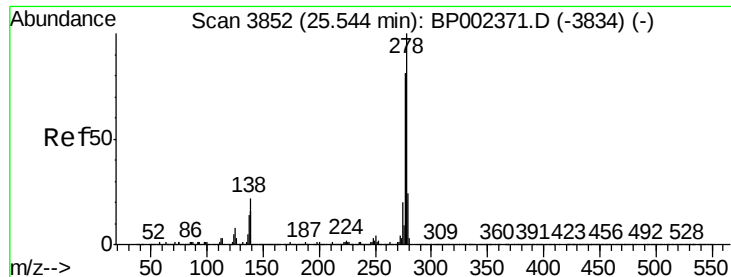


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

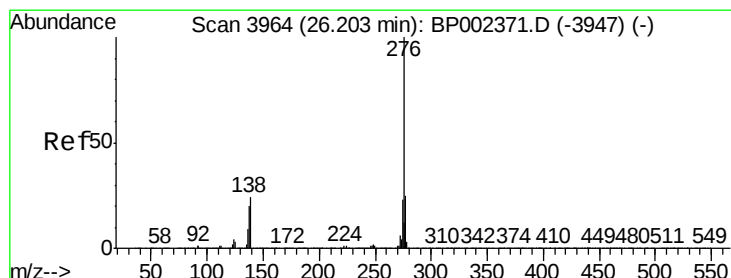
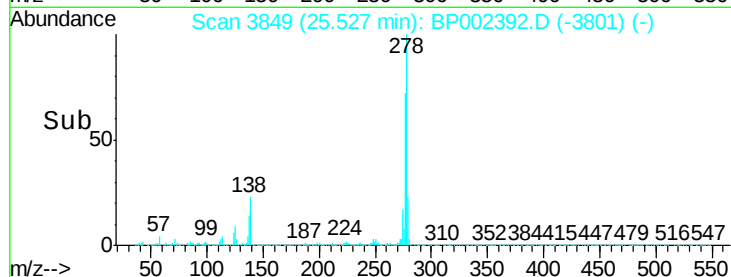
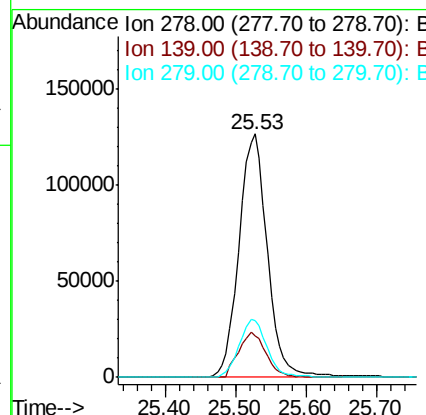
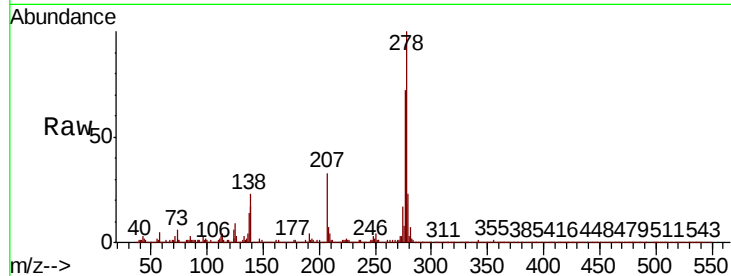




#91
Dibenzo(a,h)anthracene
Concen: 8.959 ng
RT: 25.53 min Scan# 3849
Delta R.T. -0.02 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.1	19.7
279	23.2	18.9	28.3



#92
Benzo(g,h,i)perylene
Concen: 8.742 ng
RT: 26.18 min Scan# 3960
Delta R.T. -0.02 min
Lab File: BP002392.D
Acq: 11 Jun 2020 14:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.6
138	25.9	19.2	28.8

