

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071320\
 Data File : BP002729.D
 Acq On : 13 Jul 2020 11:07
 Operator : CG/JU
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 13 11:40:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	156281	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	650426	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	414439	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	911470	20.00	ng	0.00
76) Chrysene-d12	21.07	240	922503	20.00	ng	0.00
86) Perylene-d12	23.26	264	915273	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	1317851	142.27	ng	0.00
7) Phenol-d6	6.75	99	1812970	137.14	ng	0.00
23) Nitrobenzene-d5	8.70	82	901405	74.12	ng	0.00
42) 2,4,6-Tribromophenol	15.71	330	655975	151.63	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	2042641	76.25	ng	0.00
79) Terphenyl-d14	19.55	244	2470466	61.40	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.13	88	17841	4.418	ng	99
3) Pyridine	3.52	79	34524	2.869	ng	96
4) n-Nitrosodimethylamine	3.44	42	15736	3.471	ng	# 81
6) Aniline	6.89	93	63138	3.773	ng	98
8) 2-Chlorophenol	7.13	128	38435	3.729	ng	91
9) Benzaldehyde	6.70	77	31293	4.357	ng	98
10) Phenol	6.78	94	51555	3.807	ng	90
11) bis(2-Chloroethyl)ether	6.99	93	41295	3.666	ng	98
12) 1,3-Dichlorobenzene	7.45	146	42559	3.601	ng	96
13) 1,4-Dichlorobenzene	7.59	146	43629	3.679	ng	98
14) 1,2-Dichlorobenzene	7.90	146	42850	3.747	ng	99
15) Benzyl Alcohol	7.80	79	25770	2.913	ng	93
16) 2,2'-oxybis(1-Chloropropan	8.09	45	59153	3.652	ng	99
17) 2-Methylphenol	8.02	107	31241	3.238	ng	98
18) Hexachloroethane	8.62	117	14875	3.541	ng	96
19) n-Nitroso-di-n-propylamine	8.36	70	29049	3.608	ng	97
20) 3+4-Methylphenols	8.35	107	39883	3.126	ng	# 88
22) Acetophenone	8.37	105	60472	3.771	ng	95
24) Nitrobenzene	8.74	77	49783	3.780	ng	98
25) Isophorone	9.26	82	79216	3.196	ng	99
26) 2-Nitrophenol	9.46	139	16265	2.859	ng	98
27) 2,4-Dimethylphenol	9.54	122	31429	3.403	ng	96
28) bis(2-Chloroethoxy)methane	9.76	93	51929	3.449	ng	98
29) 2,4-Dichlorophenol	10.02	162	30639	3.009	ng	97
30) 1,2,4-Trichlorobenzene	10.20	180	40974	3.513	ng	98
31) Naphthalene	10.37	128	128809	3.751	ng	99
32) Benzoic acid	9.54	122	31429	10.814	ng	# 13
33) 4-Chloroaniline	10.50	127	46891	3.187	ng	99
34) Hexachlorobutadiene	10.67	225	22251	3.301	ng	96
35) Caprolactam	11.25	113	8431	2.368	ng	97
36) 4-Chloro-3-methylphenol	11.66	107	32579	2.968	ng	97
37) 2-Methylnaphthalene	12.00	142	87699	3.619	ng	99
38) 1-Methylnaphthalene	12.22	142	85007	3.709	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.38	216	47255	3.710	ng	98

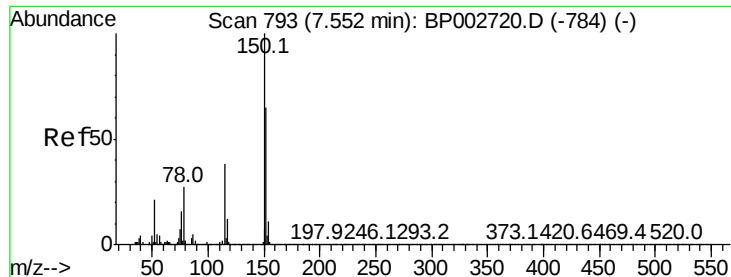
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071320\
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 Acq On : 13 Jul 2020 11:07
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Quant Time: Jul 13 11:40:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.36	237	3797	8.045	ng	89
43) 2,4,6-Trichlorophenol	12.64	196	21758	2.669	ng	95
44) 2,4,5-Trichlorophenol	12.73	196	24516	2.593	ng	97
46) 1,1'-Biphenyl	13.03	154	125967	4.077	ng	100
47) 2-Chloronaphthalene	13.07	162	89292	3.558	ng	99
48) 2-Nitroaniline	13.29	65	18815	2.425	ng	93
49) Acenaphthylene	13.92	152	137788	3.483	ng	99
50) Dimethylphthalate	13.67	163	108012	3.417	ng	100
51) 2,6-Dinitrotoluene	13.79	165	18974	2.804	ng	94
52) Acenaphthene	14.27	154	86277	3.649	ng	99
53) 3-Nitroaniline	14.13	138	17634	2.329	ng	# 85
54) 2,4-Dinitrophenol	14.33	184	29	11.381	ng	# 1
55) Dibenzofuran	14.61	168	141861	3.741	ng	98
56) 4-Nitrophenol	14.53	139	2901	5.420	ng	91
57) 2,4-Dinitrotoluene	14.59	165	21149	2.373	ng	# 81
58) Fluorene	15.26	166	107751	3.840	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.86	232	20305	2.724	ng	96
60) Diethylphthalate	15.05	149	101766	3.321	ng	97
61) 4-Chlorophenyl-phenylether	15.26	204	56287	3.775	ng	98
62) 4-Nitroaniline	15.30	138	14294	3.123	ng	99
63) Azobenzene	15.56	77	104006	3.301	ng	97
65) 4,6-Dinitro-2-methylphenol	15.37	198	5093	6.099	ng	84
66) n-Nitrosodiphenylamine	15.48	169	93849	3.486	ng	99
67) 4-Bromophenyl-phenylether	16.16	248	32016	3.225	ng	99
68) Hexachlorobenzene	16.27	284	36962	3.533	ng	# 92
69) Atrazine	16.45	200	27106	3.688	ng	98
70) Pentachlorophenol	16.65	266	2477	7.885	ng	# 85
71) Phenanthrene	17.00	178	184293	3.734	ng	99
72) Anthracene	17.10	178	171534	3.542	ng	100
73) Carbazole	17.38	167	153353	3.227	ng	99
74) Di-n-butylphthalate	17.95	149	145771	2.828	ng	100
75) Fluoranthene	18.99	202	201240	3.519	ng	99
77) Benzidine	19.19	184	52367	2.290	ng	98
78) Pyrene	19.34	202	212486	3.336	ng	98
80) Butylbenzylphthalate	20.24	149	58904	2.344	ng	95
81) Benzo(a)anthracene	21.06	228	205727	3.445	ng	98
82) 3,3'-Dichlorobenzidine	21.00	252	57838	2.925	ng	# 97
83) Chrysene	21.11	228	202745	3.567	ng	99
84) Bis(2-ethylhexyl)phthalate	21.01	149	91647	2.622	ng	99
85) Di-n-octyl phthalate	21.87	149	151786	2.415	ng	96
87) Indeno(1,2,3-cd)pyrene	25.46	276	223614	3.380	ng	98
88) Benzo(b)fluoranthene	22.61	252	188286	3.313	ng	98
89) Benzo(k)fluoranthene	22.65	252	202789	3.623	ng	98
90) Benzo(a)pyrene	23.16	252	172664	3.206	ng	99
91) Dibenzo(a,h)anthracene	25.47	278	186921	3.504	ng	100
92) Benzo(g,h,i)perylene	26.13	276	184603	3.413	ng	98

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

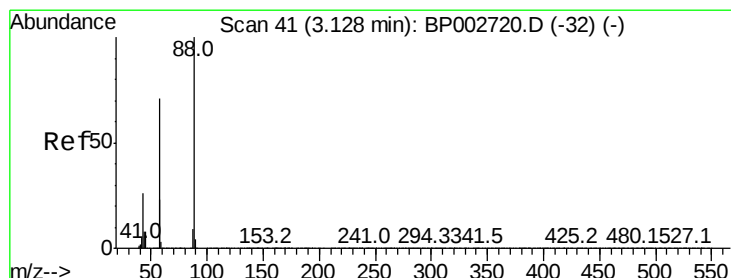
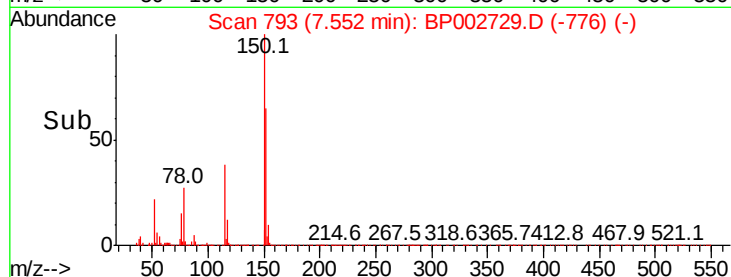
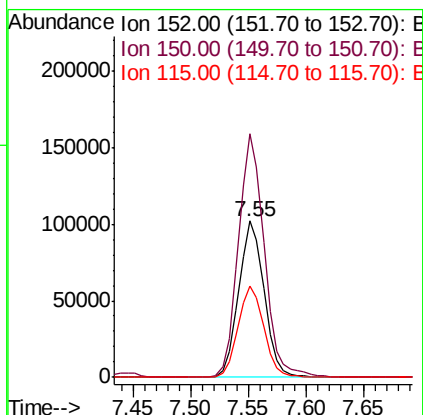
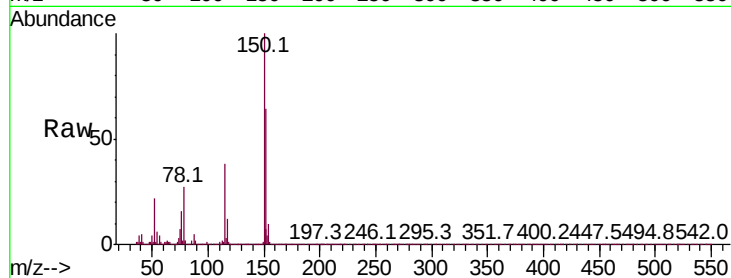


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 793
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

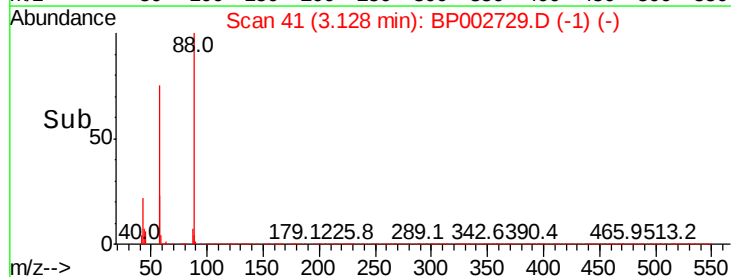
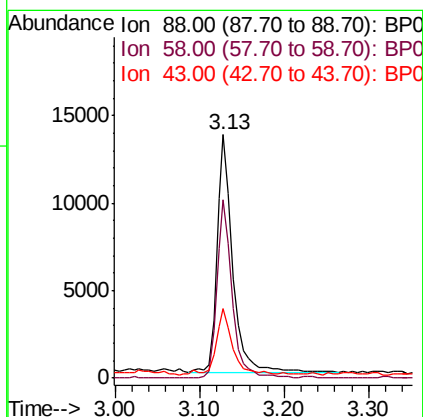
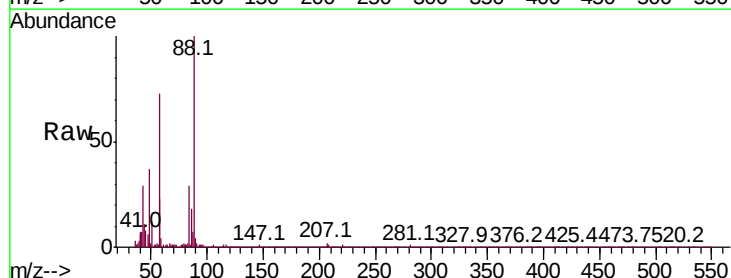
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.7	185.5
115	58.6	47.2	70.8

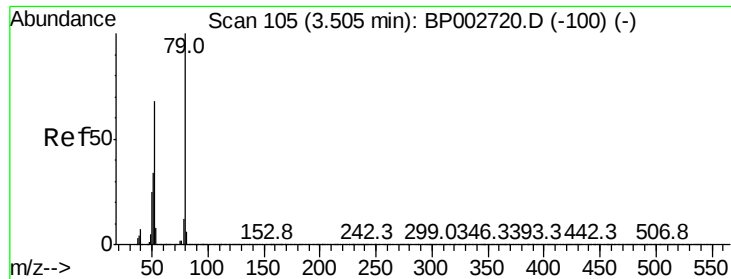


#2

1,4-Dioxane
Concen: 4.418 ng
RT: 3.13 min Scan# 41
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.3	58.2	87.4
43	27.0	21.5	32.3





#3

Pvridine

Concen: 2.869 ng

RT: 3.52 min Scan# 108

Delta R.T. 0.02 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

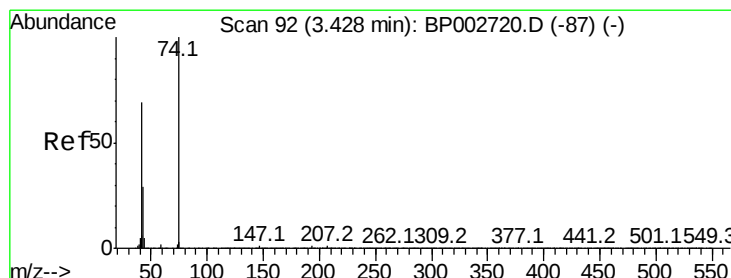
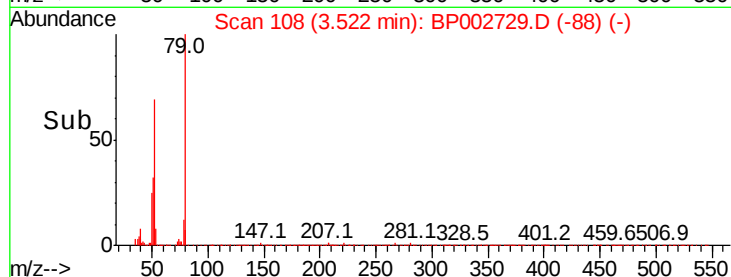
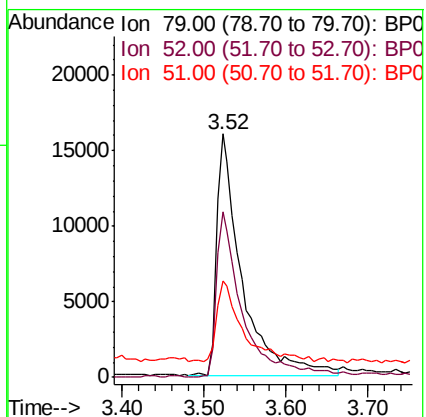
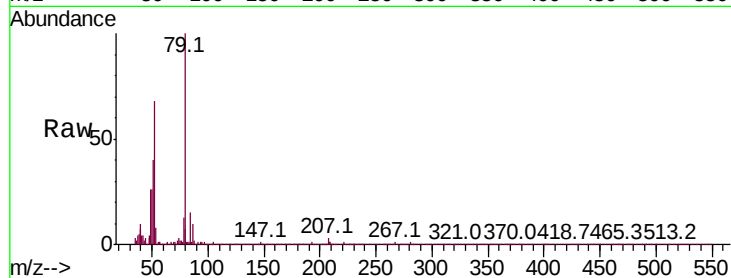
Tot Ion: 79 Resp: 34524

Ion Ratio Lower Upper

79 100

52 68.2 54.2 81.2

51 39.7 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 3.471 ng

RT: 3.44 min Scan# 94

Delta R.T. 0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

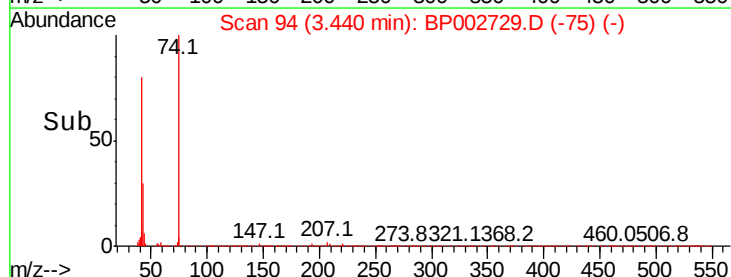
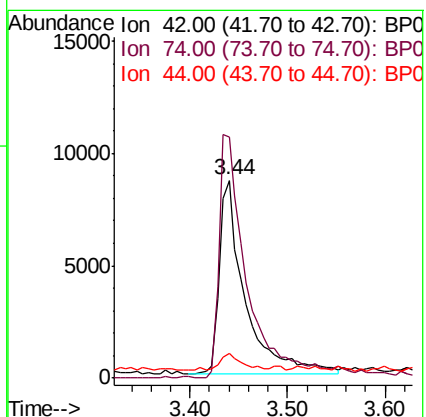
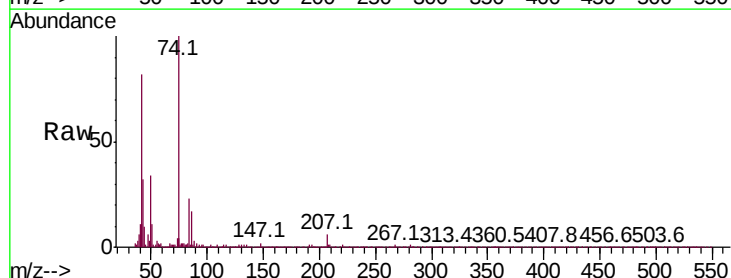
Tgt Ion: 42 Resp: 15736

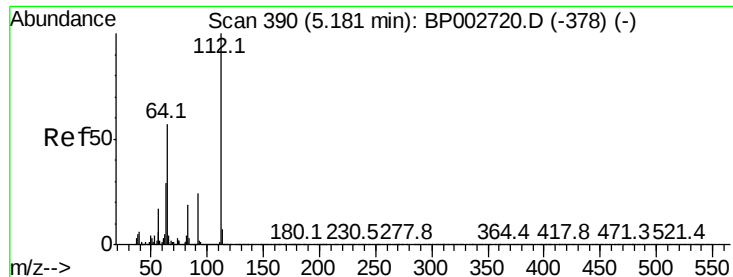
Ion Ratio Lower Upper

42 100

74 122.1 116.3 174.5

44 12.4 5.9 8.9#





#5

2-Fluorophenol

Concen: 142.273 ng

RT: 5.18 min Scan# 389

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

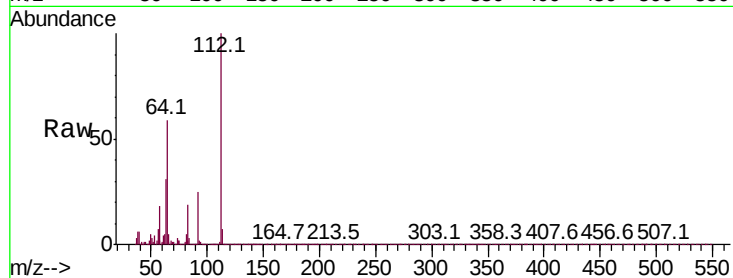
Tot Ion:112 Resp: 1317851

Ion Ratio Lower Upper

112 100

64 58.9 45.6 68.4

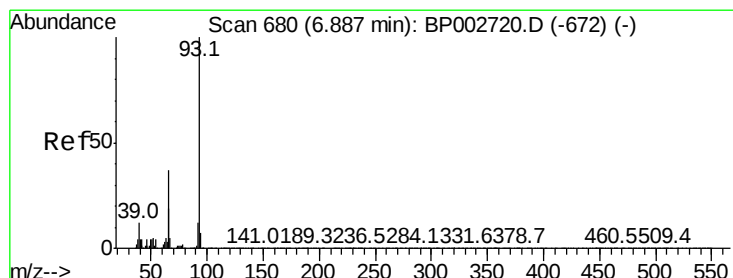
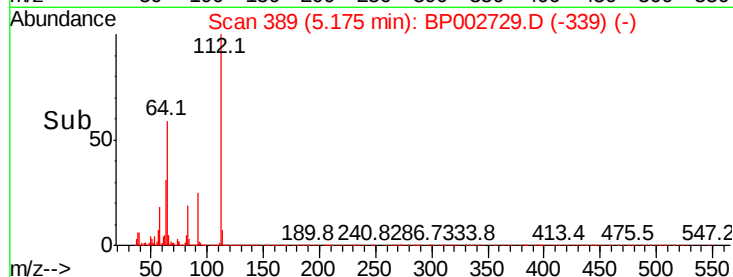
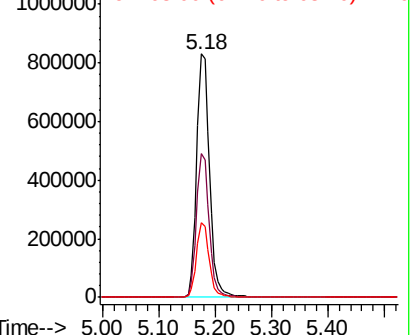
63 30.5 23.5 35.3



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: 3.773 ng

RT: 6.89 min Scan# 680

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

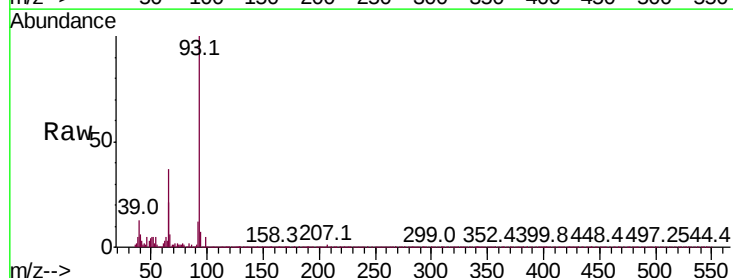
Tgt Ion: 93 Resp: 63138

Ion Ratio Lower Upper

93 100

66 37.1 30.1 45.1

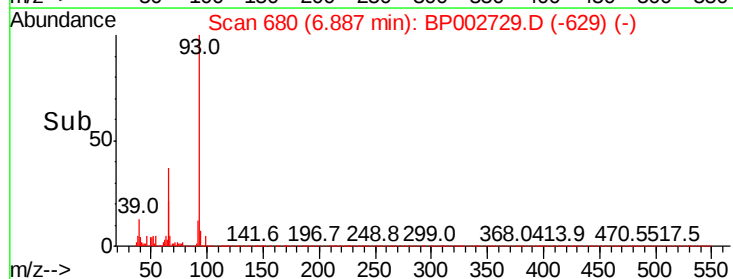
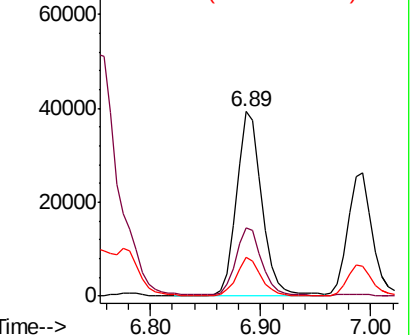
65 20.8 15.4 23.2

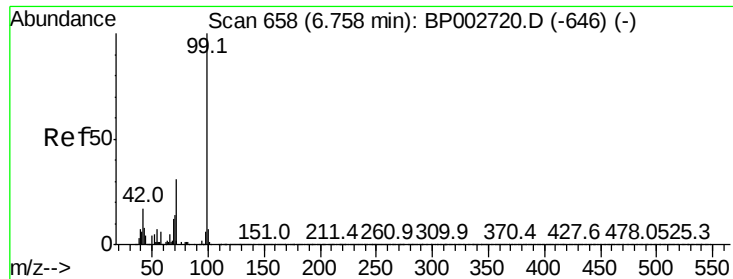


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 137.143 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

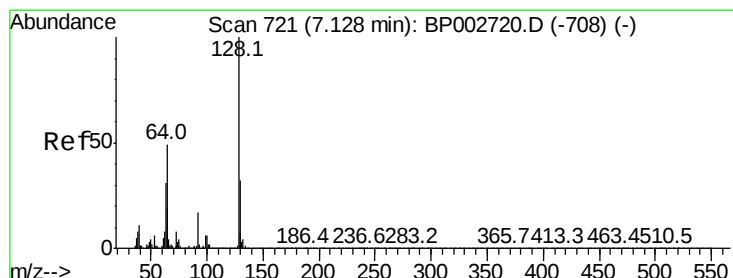
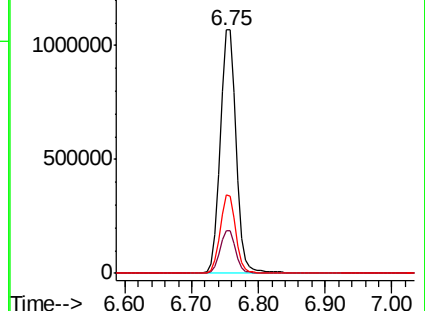
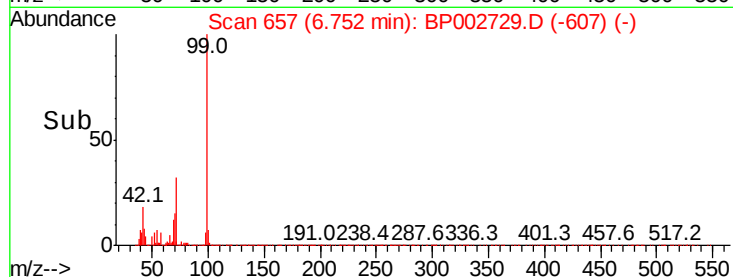
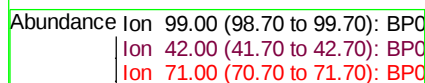
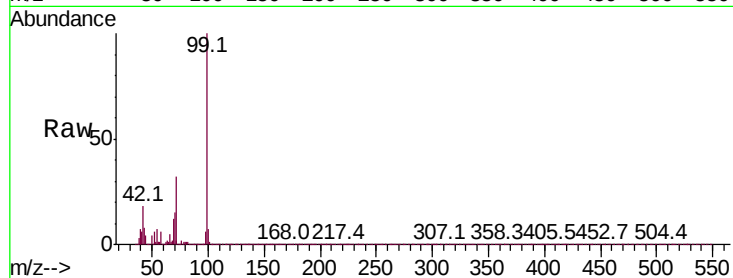
Tot Ion: 99 Resp: 1812970

Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.4	20.2
71	32.2	24.6	36.8

99 100

42 17.8 13.4 20.2

71 32.2 24.6 36.8



#8

2-Chlorophenol

Concen: 3.729 ng

RT: 7.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

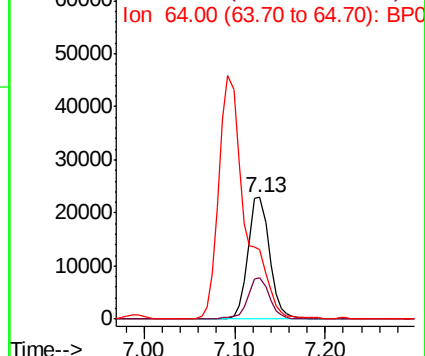
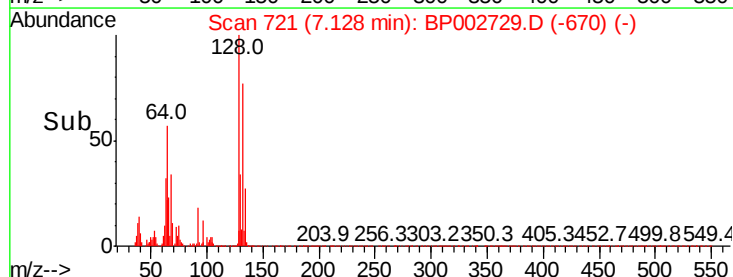
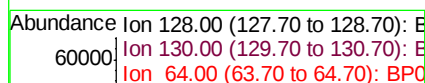
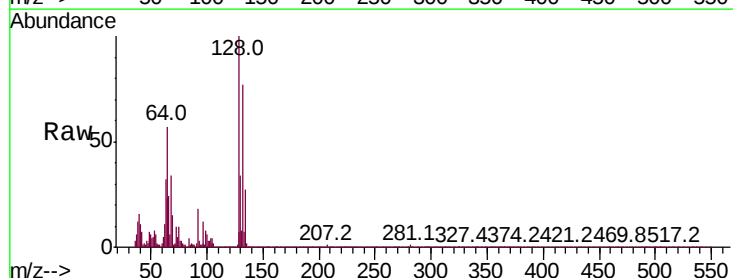
Tgt Ion:128 Resp: 38435

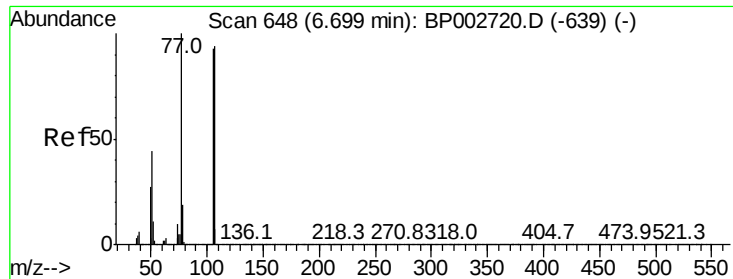
Ion	Ratio	Lower	Upper
128	100		
130	34.4	12.2	52.2
64	57.5	28.8	68.8

128 100

130 34.4 12.2 52.2

64 57.5 28.8 68.8

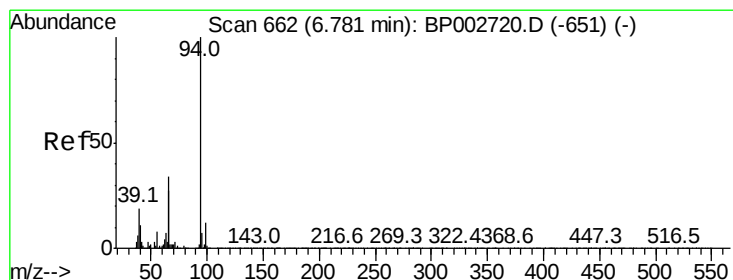
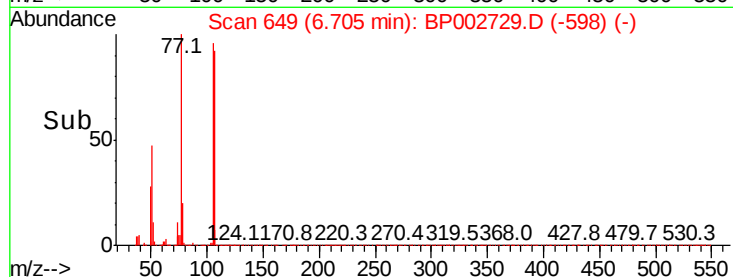
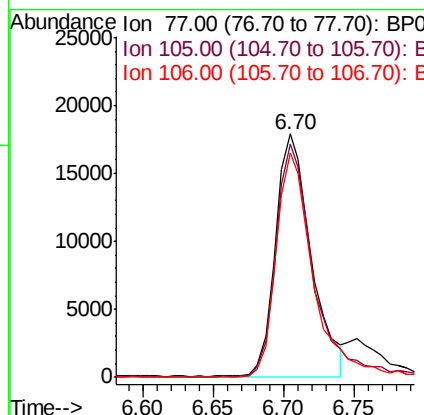
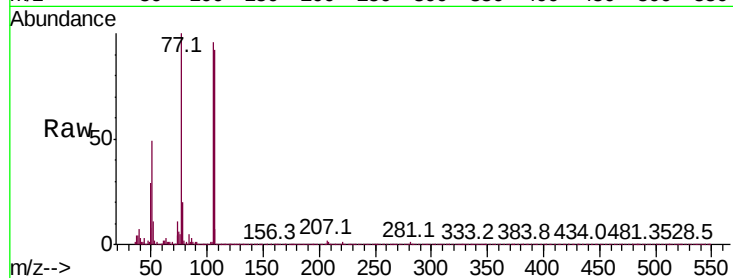




#9
Benzaldehyde
Concen: 4.357 ng
RT: 6.70 min Scan# 649
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

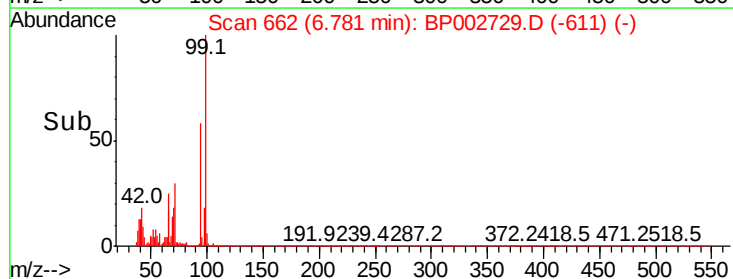
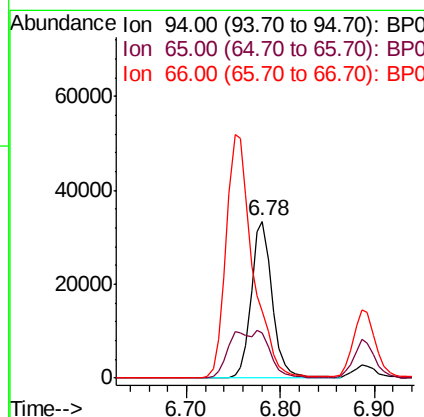
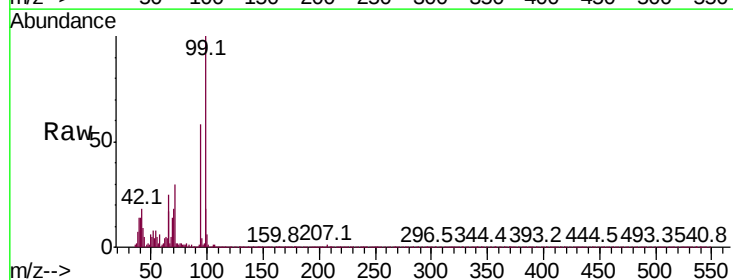
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

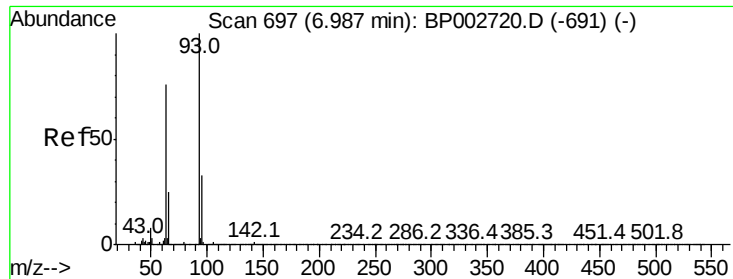
Tot Ion: 77 Resp: 31293
Ion Ratio Lower Upper
77 100
105 95.8 73.2 113.2
106 92.1 73.6 113.6



#10
Phenol
Concen: 3.807 ng
RT: 6.78 min Scan# 662
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion: 94 Resp: 51555
Ion Ratio Lower Upper
94 100
65 28.7 7.0 47.0
66 42.9 13.7 53.7

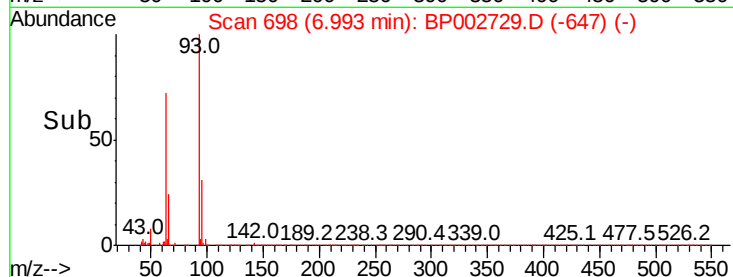
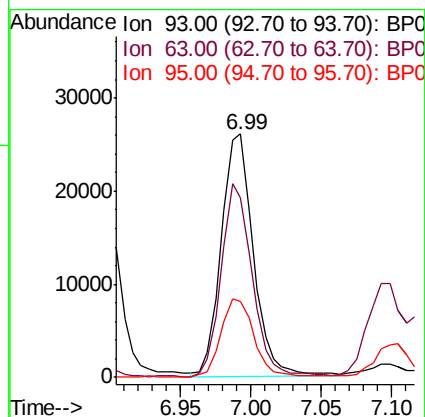
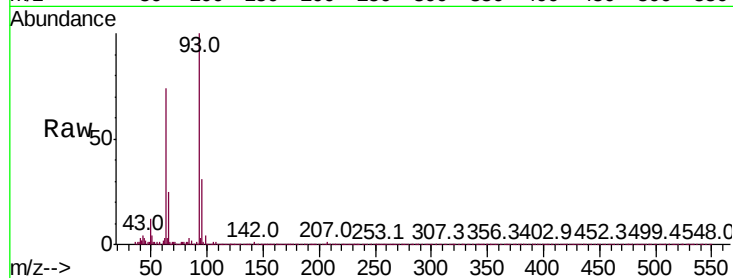




#11
bis(2-Chloroethyl)ether
Concen: 3.666 ng
RT: 6.99 min Scan# 698
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

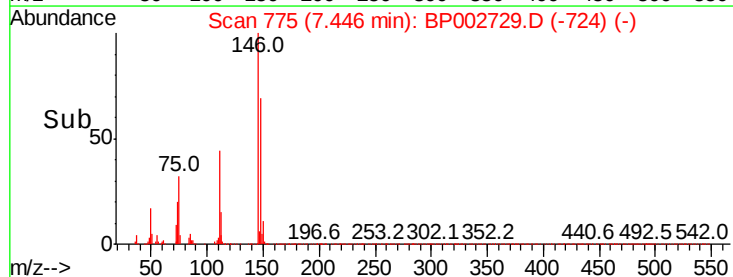
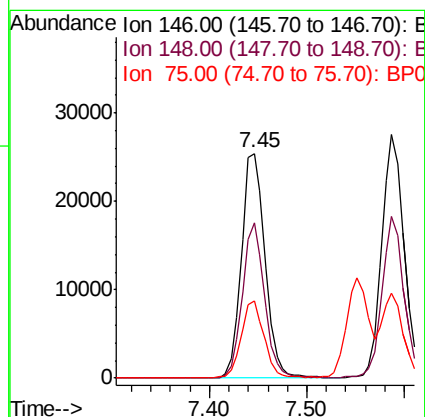
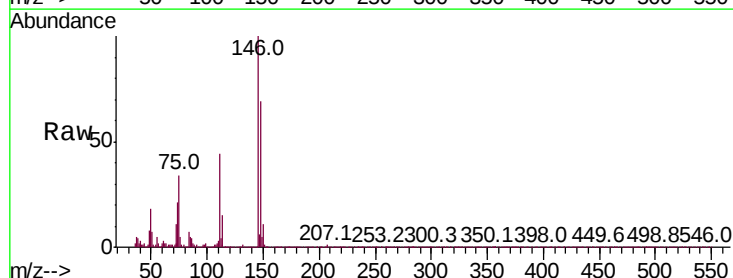
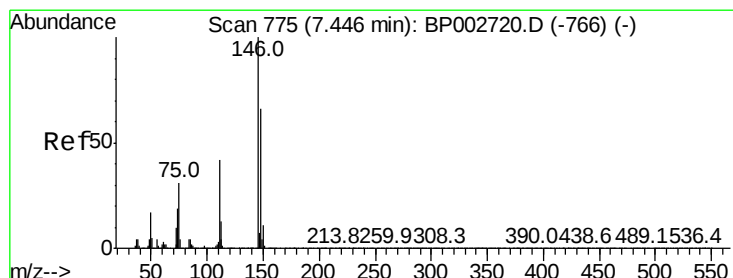
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

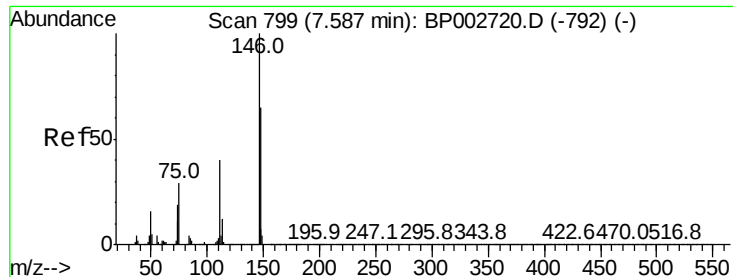
Tot Ion	Ratio	Lower	Upper
93	100		
63	73.6	55.1	95.1
95	31.1	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 3.601 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
148	69.1	52.6	78.8
75	34.2	25.2	37.8





#13

1,4-Dichlorobenzene

Concen: 3.679 ng

RT: 7.59 min Scan# 799

Delta R.T. 0.00 min

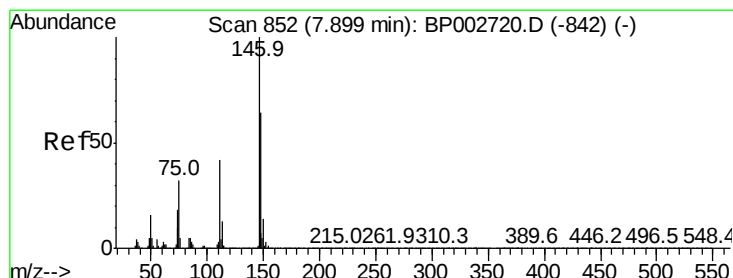
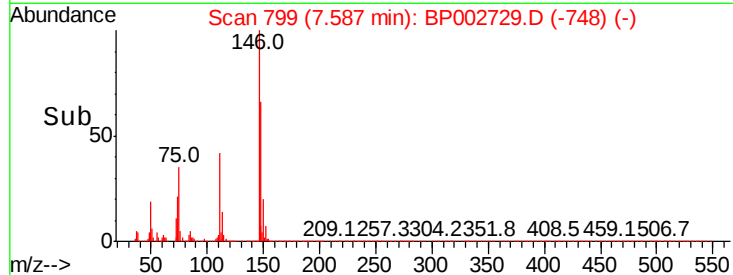
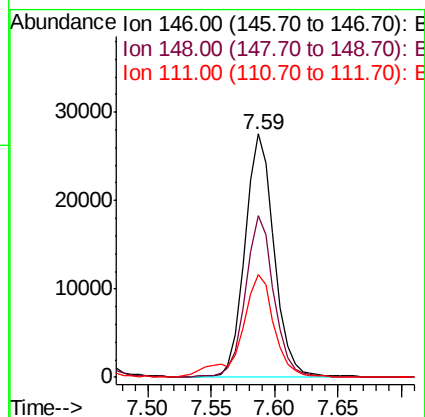
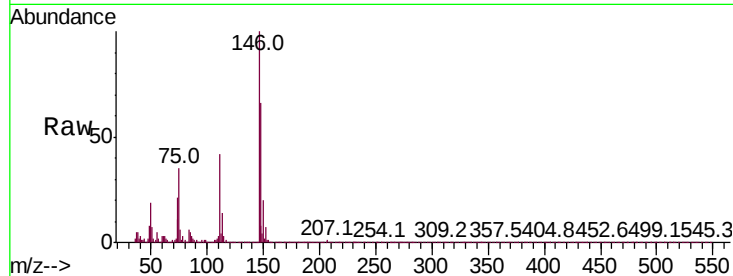
Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:146 Resp: 43629

Ion	Ratio	Lower	Upper
146	100		
148	66.4	52.1	78.1
111	42.1	32.2	48.2



#14

1,2-Dichlorobenzene

Concen: 3.747 ng

RT: 7.90 min Scan# 852

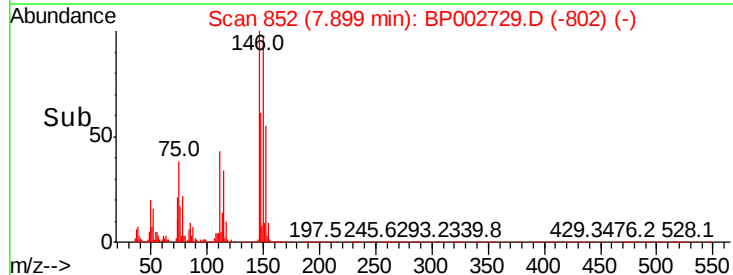
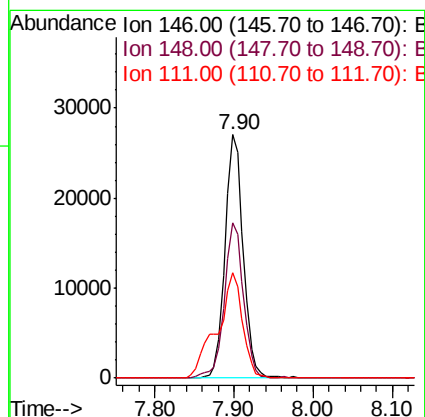
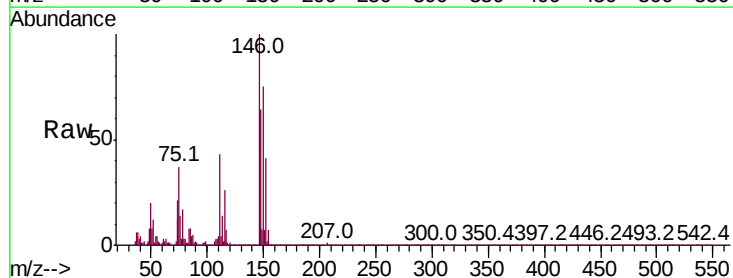
Delta R.T. -0.01 min

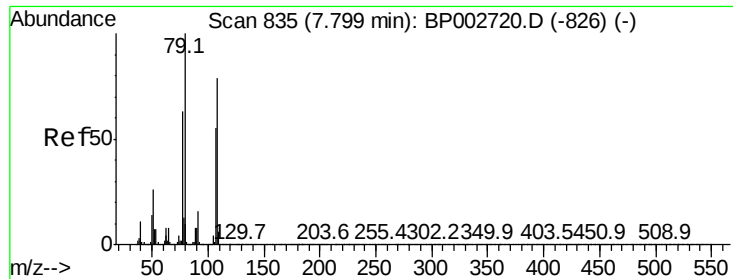
Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:146 Resp: 42850

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	43.4	33.9	50.9





#15

Benzyl Alcohol

Concen: 2.913 ng

RT: 7.80 min Scan# 836

Delta R.T. 0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

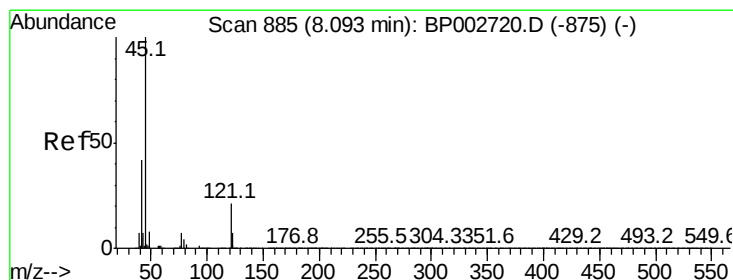
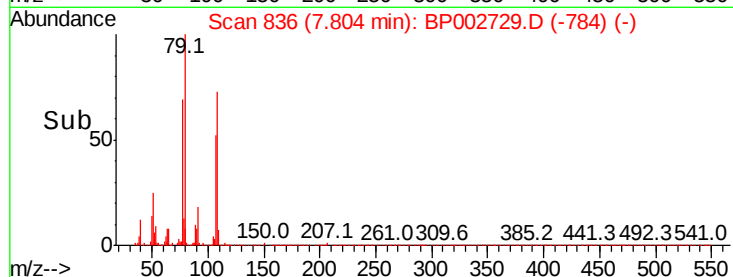
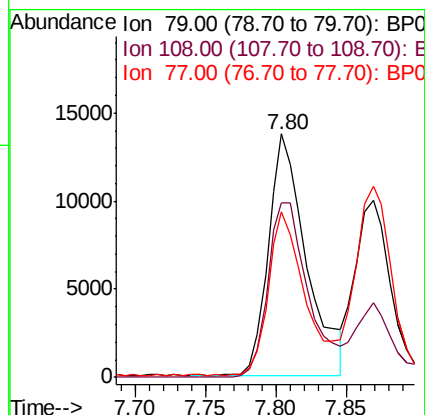
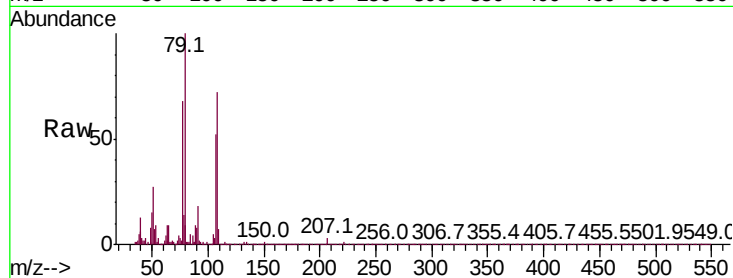
Tot Ion: 79 Resp: 25770

Ion Ratio Lower Upper

79 100

108 71.5 63.1 94.7

77 68.0 50.8 76.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.652 ng

RT: 8.09 min Scan# 884

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

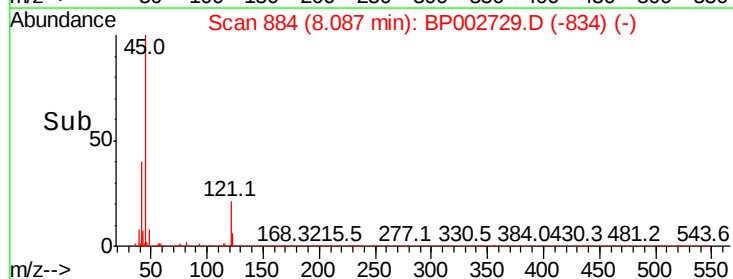
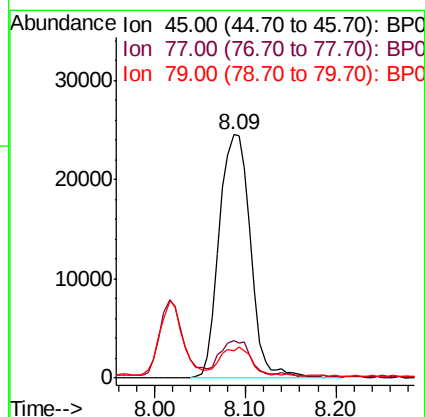
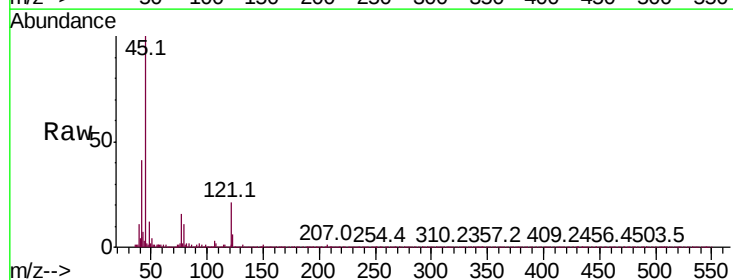
Tgt Ion: 45 Resp: 59153

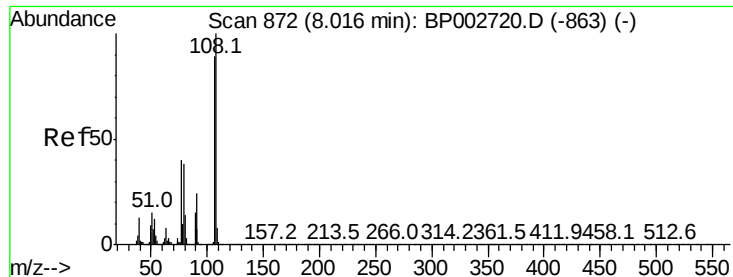
Ion Ratio Lower Upper

45 100

77 15.6 0.0 34.8

79 11.2 0.0 31.6

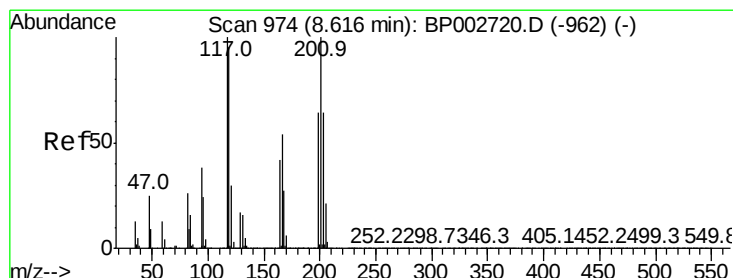
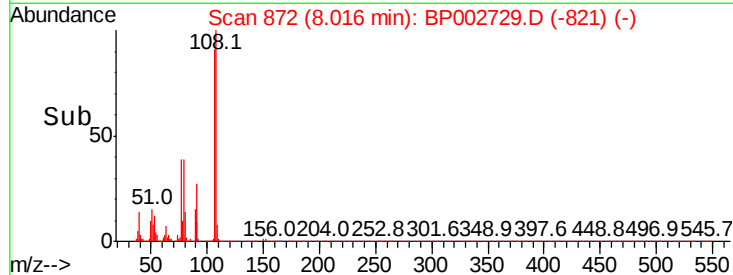
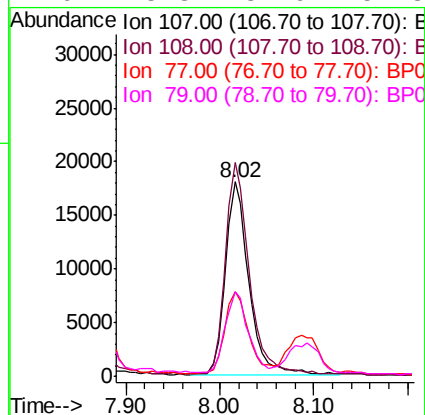
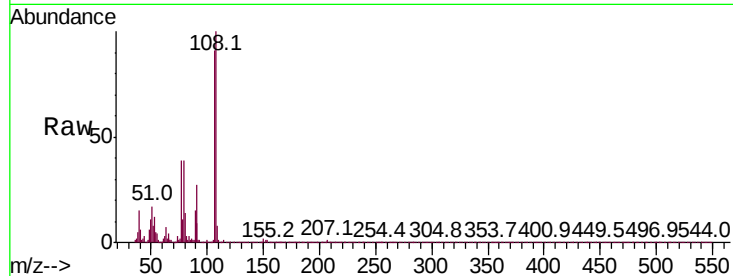




#17
2-Methylphenol
Concen: 3.238 ng
RT: 8.02 min Scan# 872
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

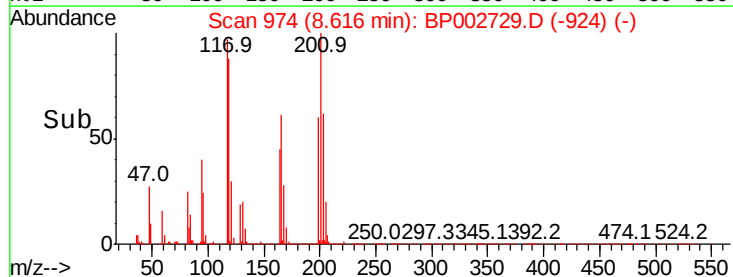
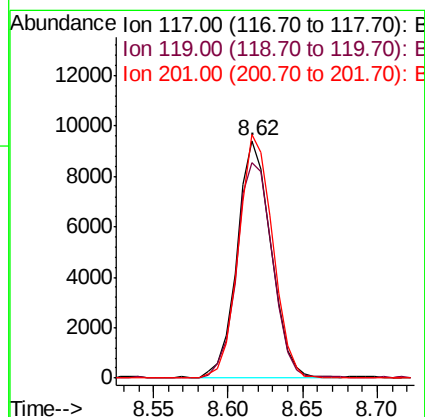
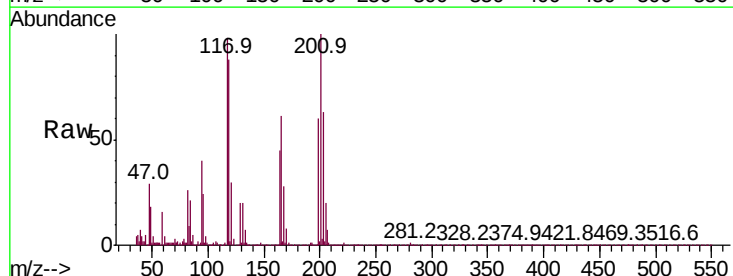
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

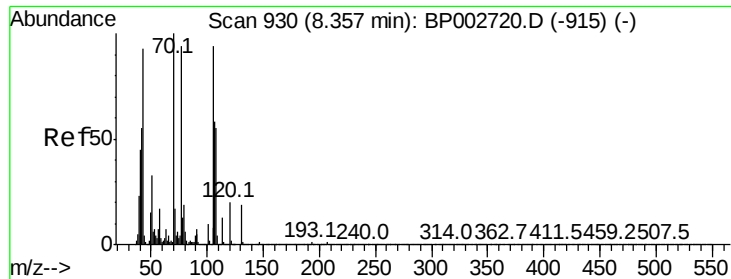
Tot Ion:	107	Resp:	31241
Ion	Ratio	Lower	Upper
107	100		
108	110.0	89.9	134.9
77	43.4	36.6	54.8
79	43.3	34.9	52.3



#18
Hexachloroethane
Concen: 3.541 ng
RT: 8.62 min Scan# 974
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion:	117	Resp:	14875
Ion	Ratio	Lower	Upper
117	100		
119	90.5	76.6	115.0
201	102.5	80.3	120.5





#19

n-Nitroso-di-n-propylamine

Concen: 3.608 ng

RT: 8.36 min Scan# 930

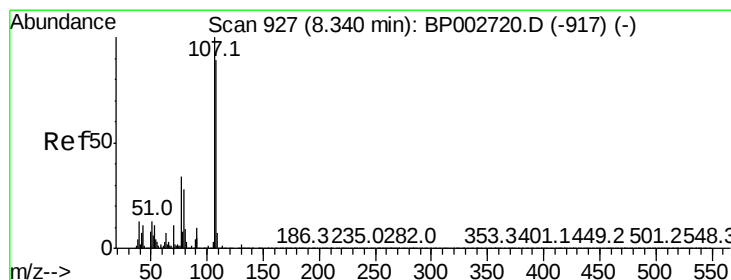
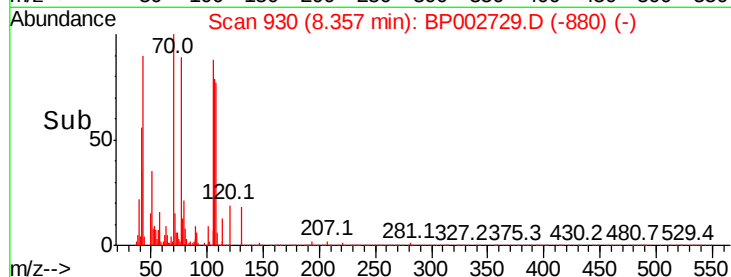
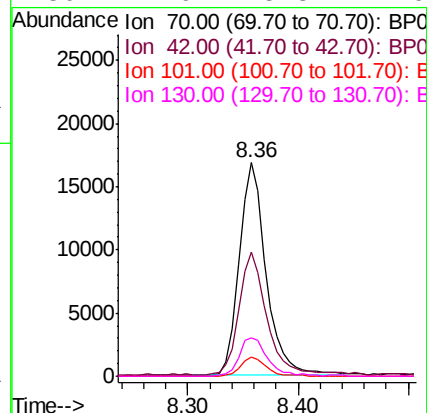
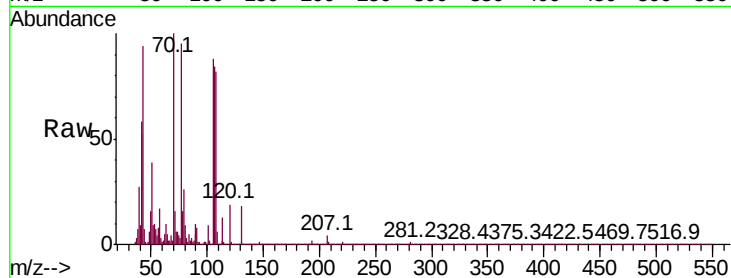
Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	70	Resp:	29049
Ion	Ratio	Lower	Upper
70	100		
42	58.1	44.2	66.4
101	9.2	7.7	11.5
130	17.9	15.3	22.9



#20

3+4-Methylphenols

Concen: 3.126 ng

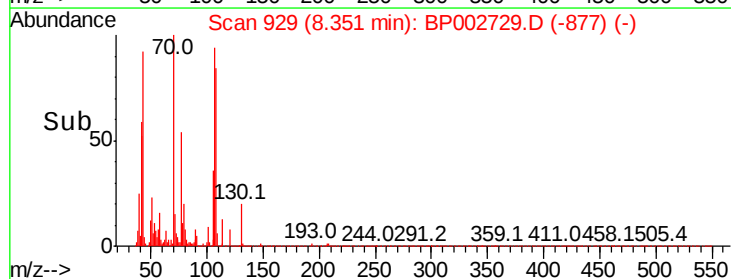
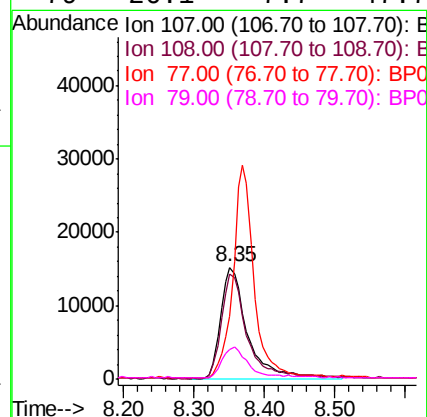
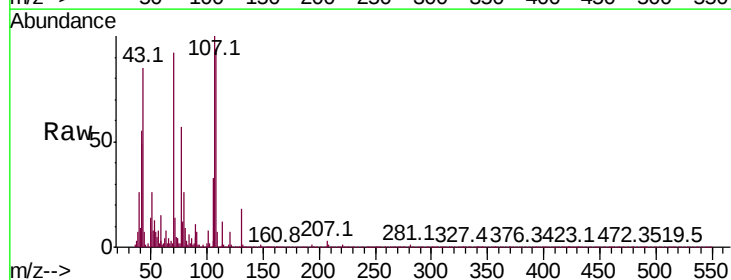
RT: 8.35 min Scan# 929

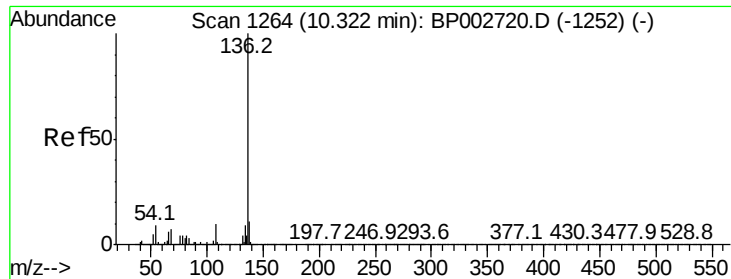
Delta R.T. 0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:	107	Resp:	39883
Ion	Ratio	Lower	Upper
107	100		
108	93.8	69.5	109.5
77	56.5	14.3	54.3#
79	26.1	7.7	47.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:136 Resp: 650426

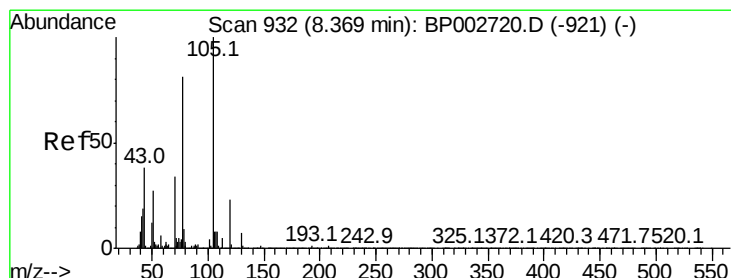
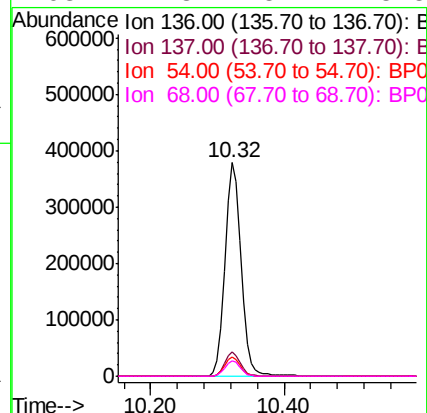
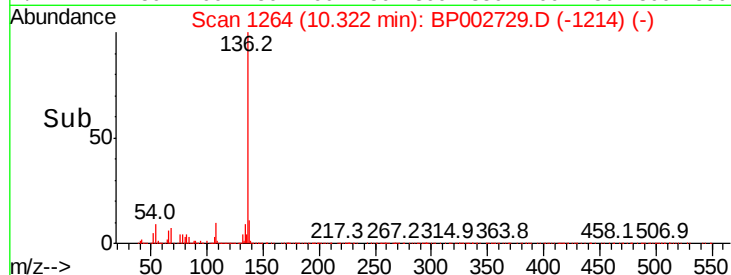
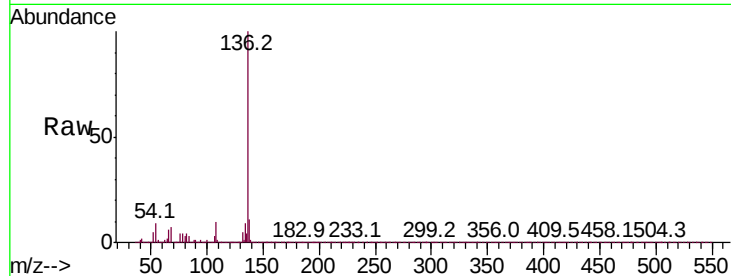
Ion Ratio Lower Upper

136 100

137 11.3 8.6 13.0

54 9.1 6.9 10.3

68 7.3 5.7 8.5



#22

Acetophenone

Concen: 3.771 ng

RT: 8.37 min Scan# 932

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:105 Resp: 60472

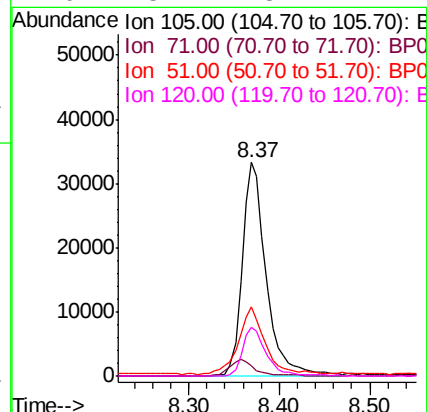
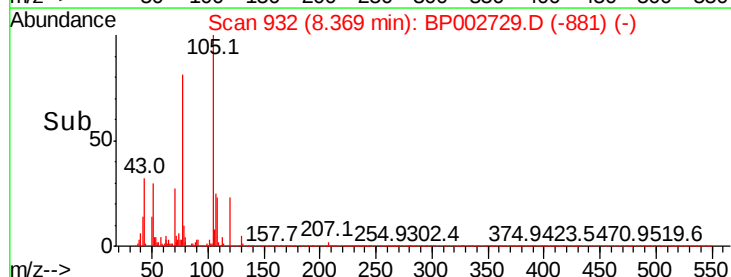
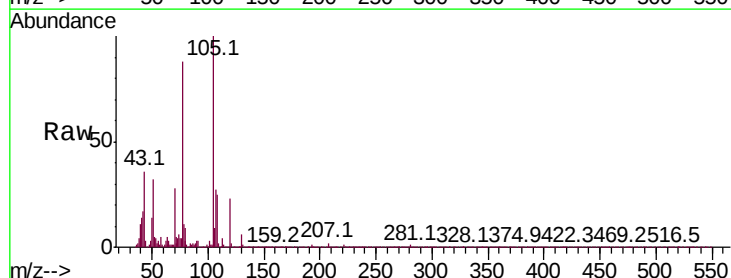
Ion Ratio Lower Upper

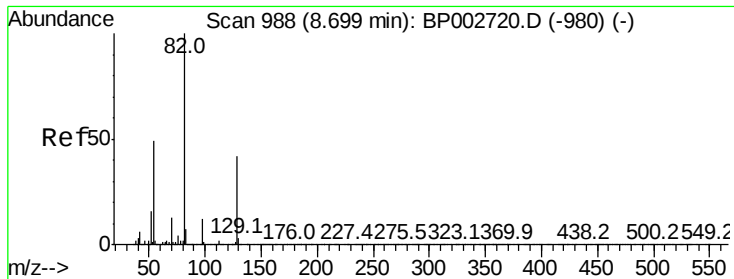
105 100

71 4.8 4.4 6.6

51 32.5 21.8 32.8

120 23.1 18.2 27.2

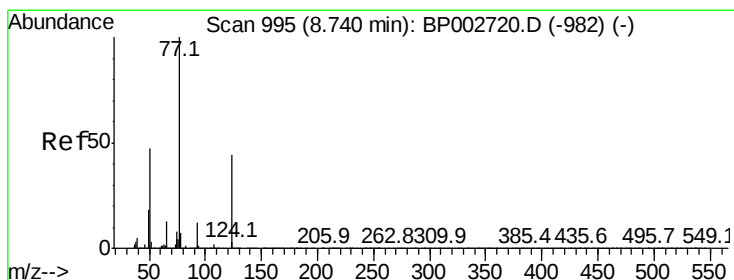
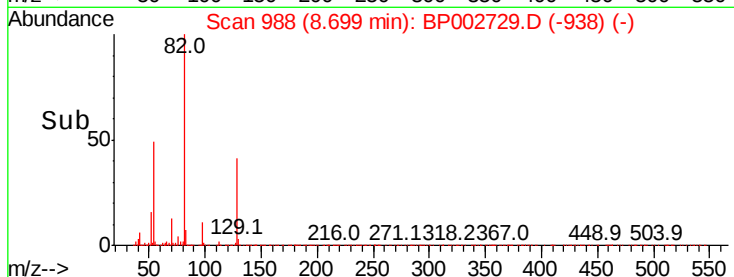
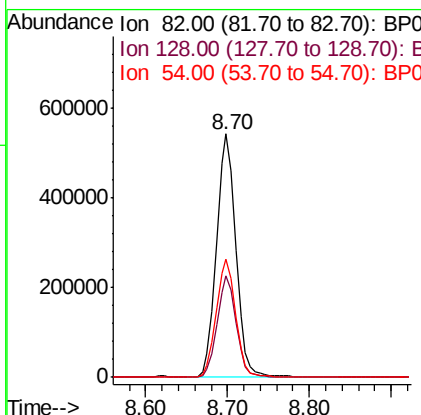
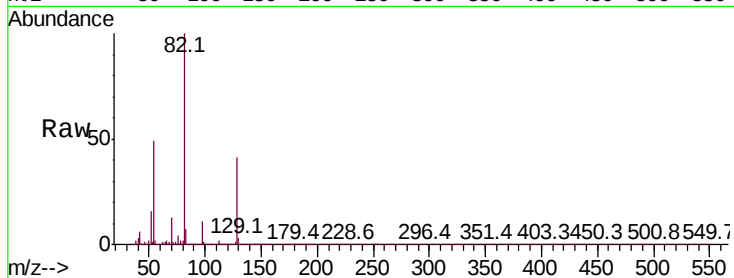




#23
Nitrobenzene-d5
Concen: 74.121 ng
RT: 8.70 min Scan# 988
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

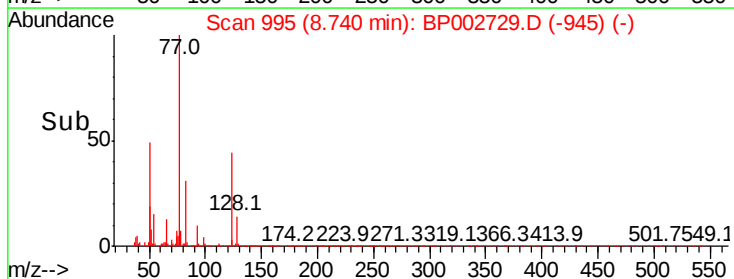
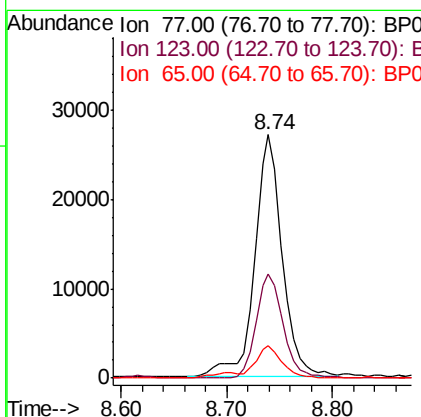
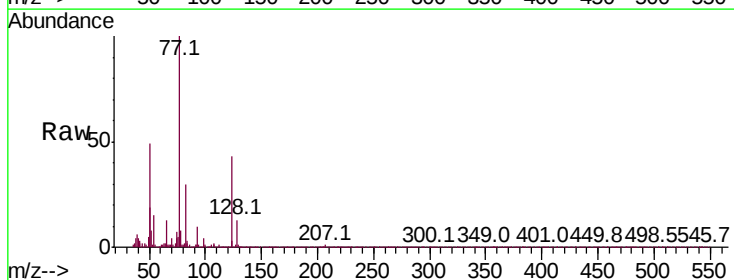
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

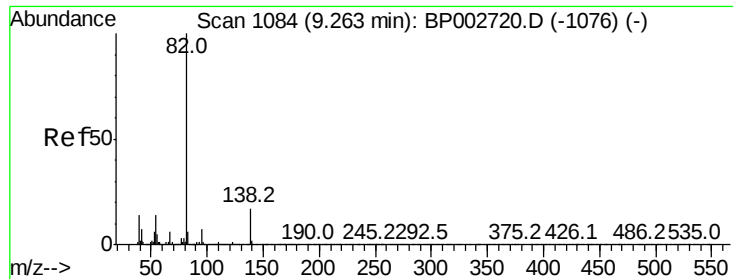
Tot Ion	82	Resp	901405
Ion Ratio	100	Lower	Upper
128	41.5	33.8	50.8
54	48.6	38.8	58.2



#24
Nitrobenzene
Concen: 3.780 ng
RT: 8.74 min Scan# 995
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	77	Resp	49783
Ion Ratio	100	Lower	Upper
123	42.6	35.0	52.6
65	13.2	10.4	15.6





#25

Isophorone

Concen: 3.196 ng

RT: 9.26 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

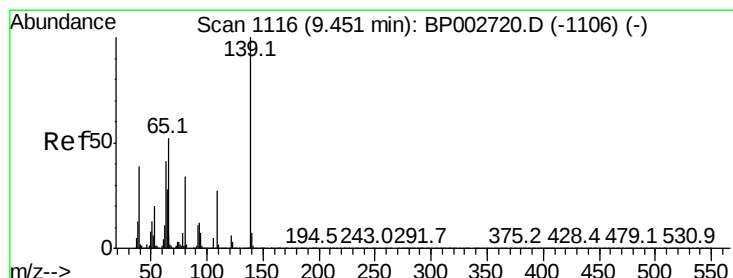
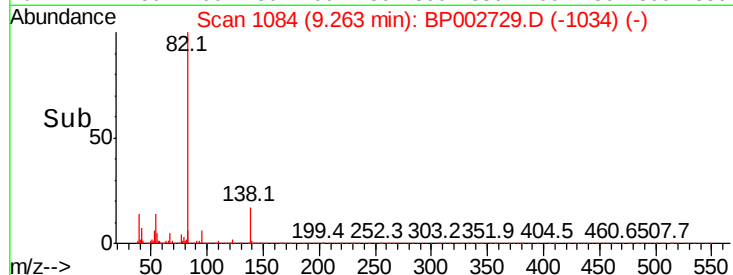
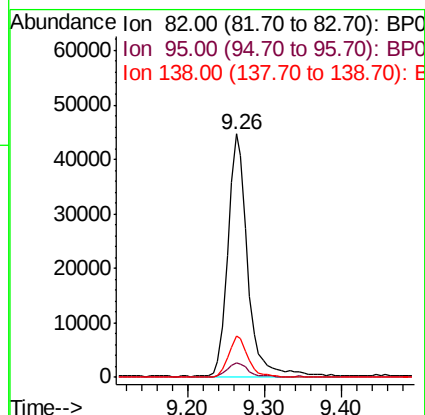
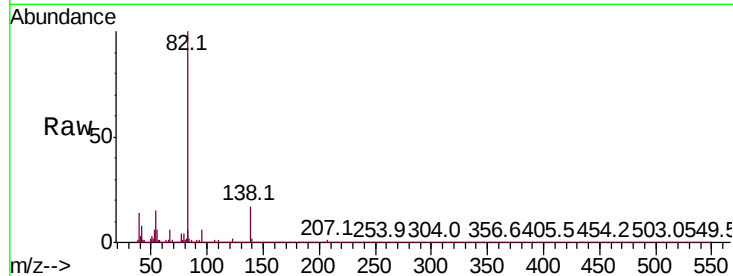
Tot Ion: 82 Resp: 79216

Ion Ratio Lower Upper

82 100

95 5.8 5.2 7.8

138 16.8 13.2 19.8



#26

2-Nitrophenol

Concen: 2.859 ng

RT: 9.46 min Scan# 1117

Delta R.T. 0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

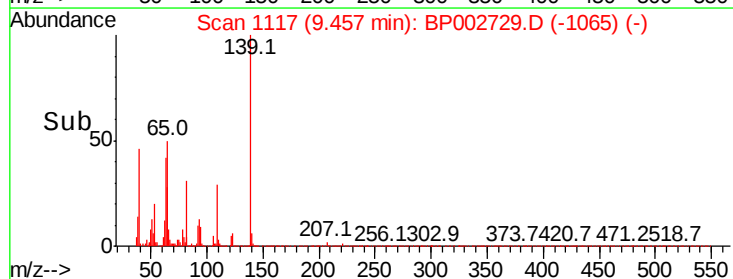
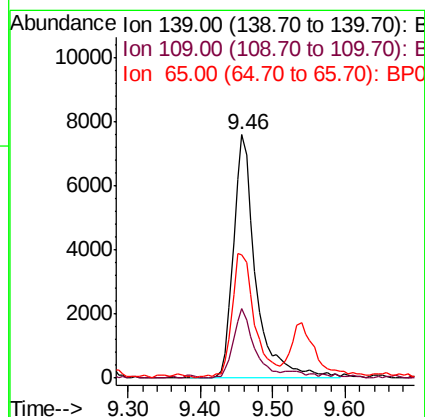
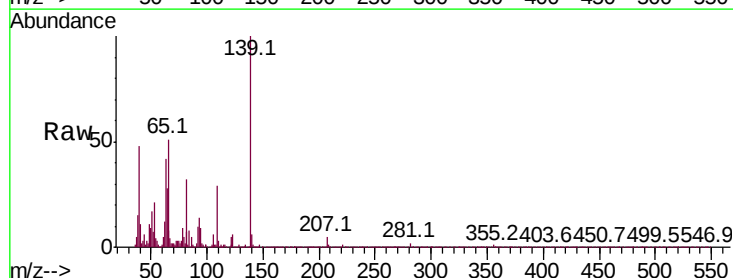
Tgt Ion: 139 Resp: 16265

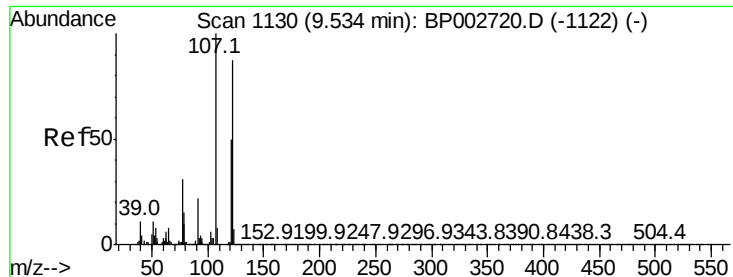
Ion Ratio Lower Upper

139 100

109 28.7 21.9 32.9

65 50.7 41.3 61.9





#27

2,4-Dimethylphenol

Concen: 3.403 ng

RT: 9.54 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

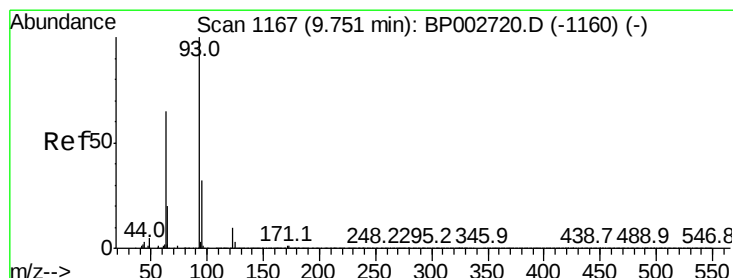
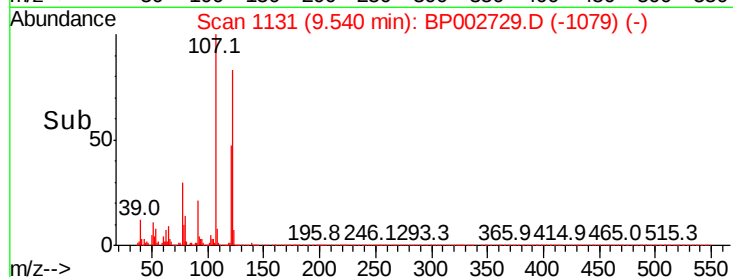
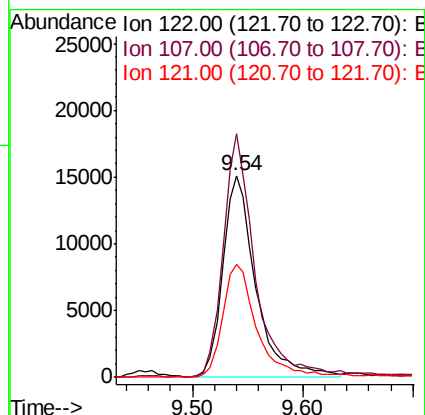
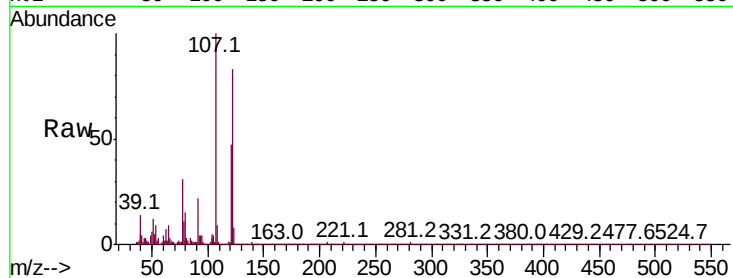
Tot Ion:122 Resp: 31429

Ion Ratio Lower Upper

122 100

107 120.8 92.2 138.4

121 56.4 45.8 68.6



#28

bis(2-Chloroethoxy)methane

Concen: 3.449 ng

RT: 9.76 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

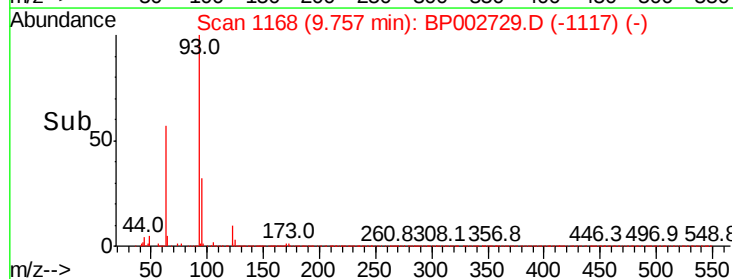
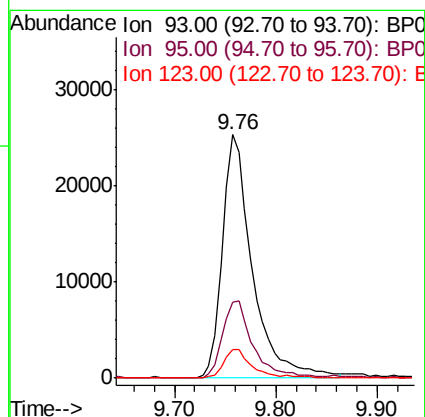
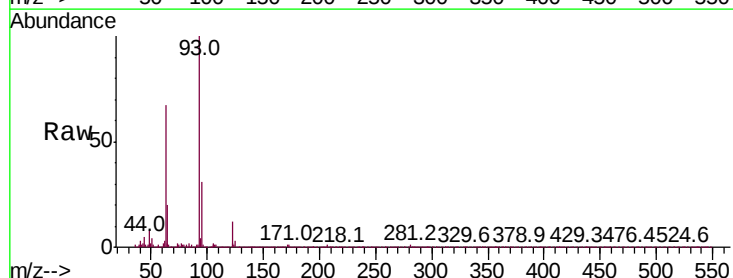
Tgt Ion: 93 Resp: 51929

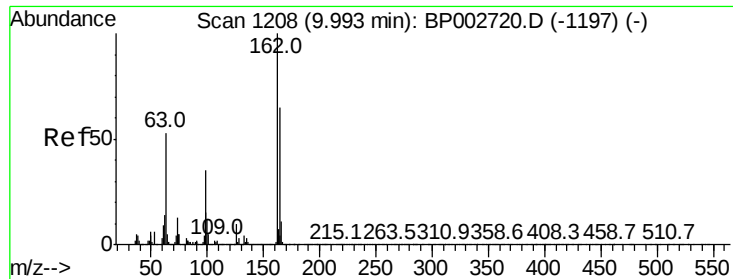
Ion Ratio Lower Upper

93 100

95 31.2 25.8 38.6

123 11.7 8.9 13.3





#29

2,4-Dichlorophenol

Concen: 3.009 ng

RT: 10.02 min Scan# 1212

Delta R.T. 0.02 min

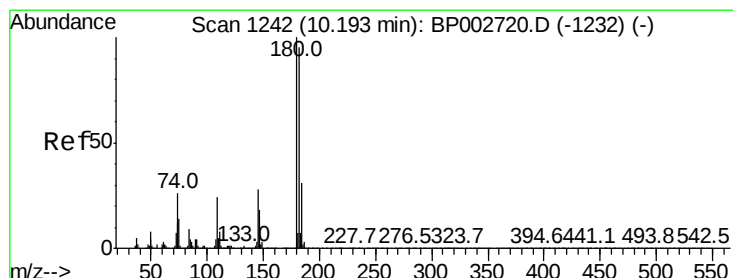
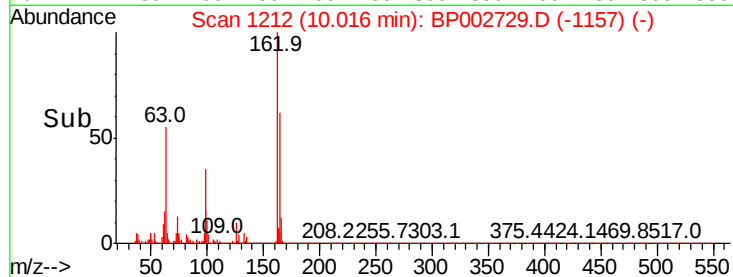
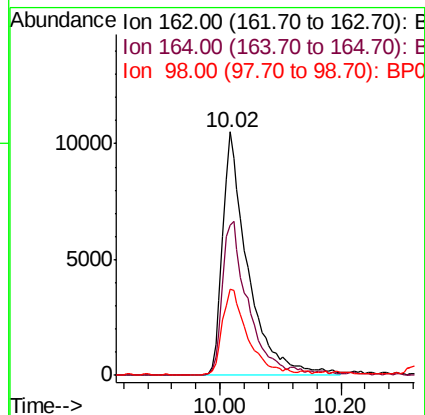
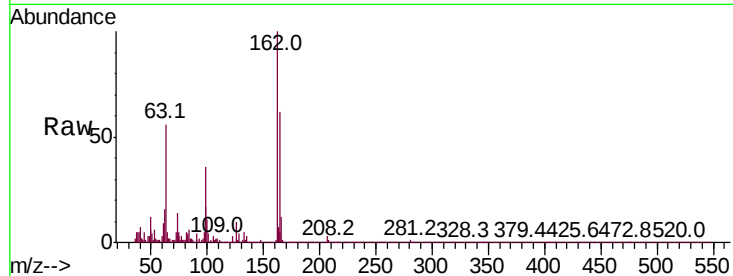
Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:162 Resp: 30639

Ion	Ratio	Lower	Upper
162	100		
164	61.7	44.5	84.5
98	35.6	15.2	55.2



#30

1,2,4-Trichlorobenzene

Concen: 3.513 ng

RT: 10.20 min Scan# 1243

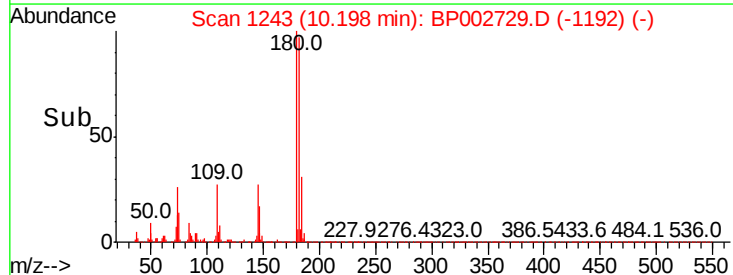
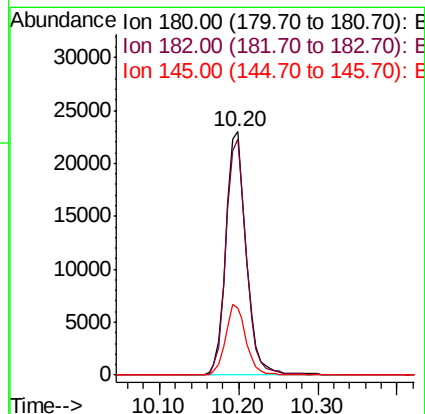
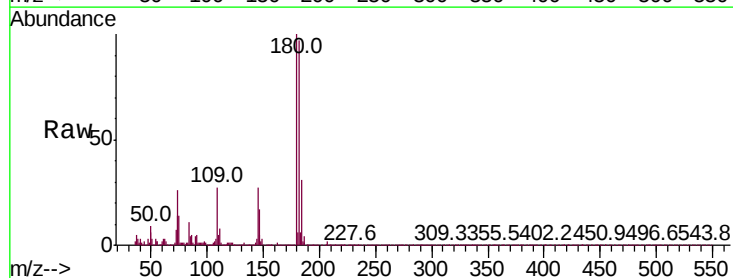
Delta R.T. 0.00 min

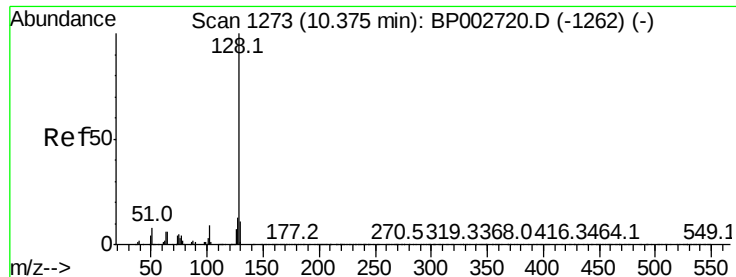
Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:180 Resp: 40974

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.6
145	27.3	22.6	34.0

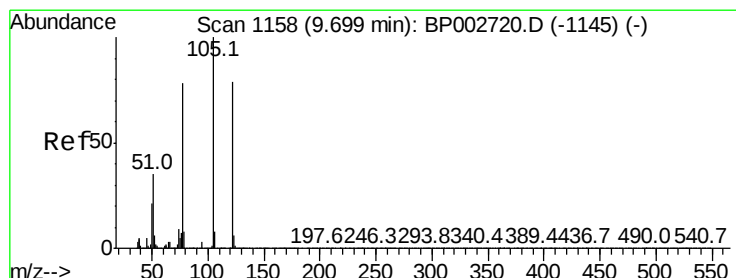
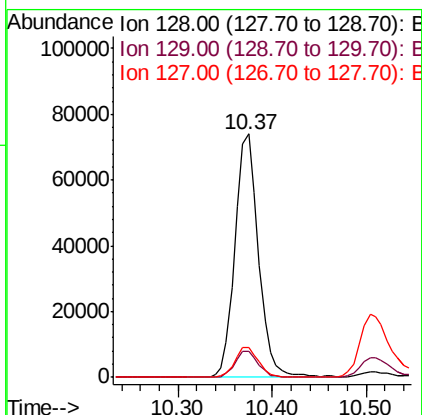
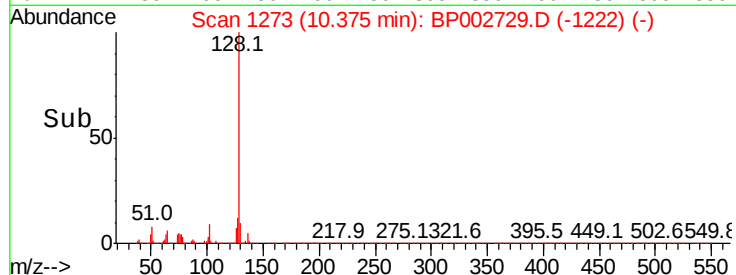
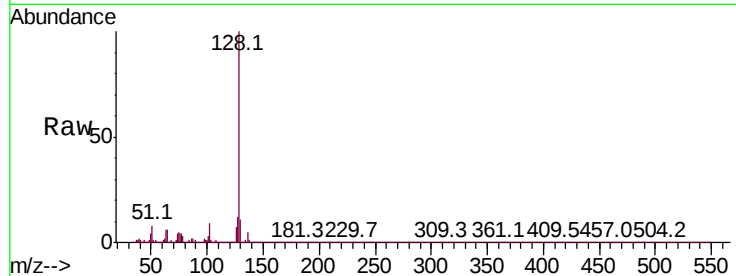




#31
Naphthalene
Concen: 3.751 ng
RT: 10.37 min Scan# 1273
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

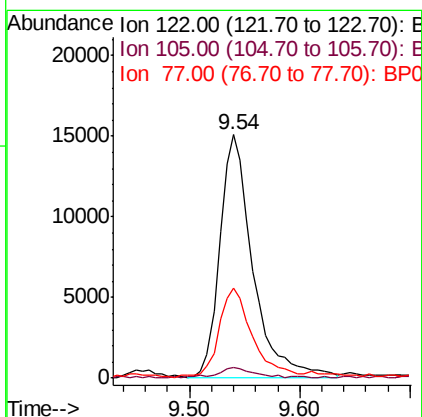
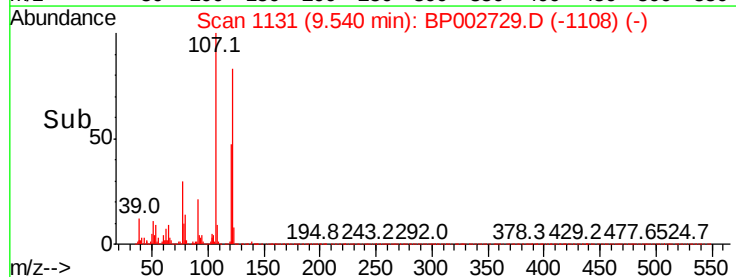
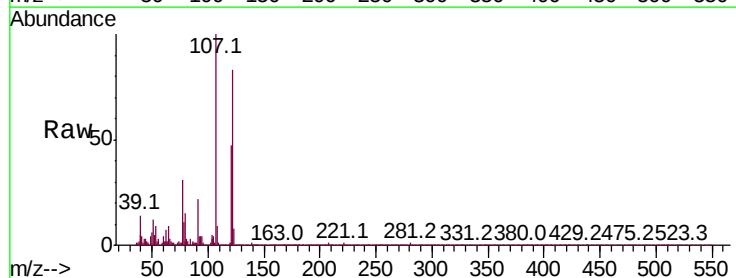
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

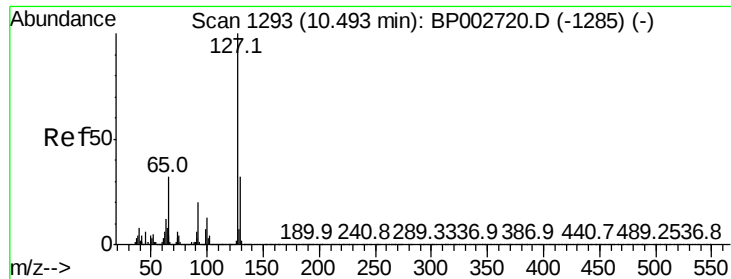
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	12.5	10.6	15.8



#32
Benzoic acid
Concen: 10.814 ng
RT: 9.54 min Scan# 1131
Delta R.T. -0.16 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
122	100		
105	4.5	105.4	145.4#
77	37.2	78.5	118.5#

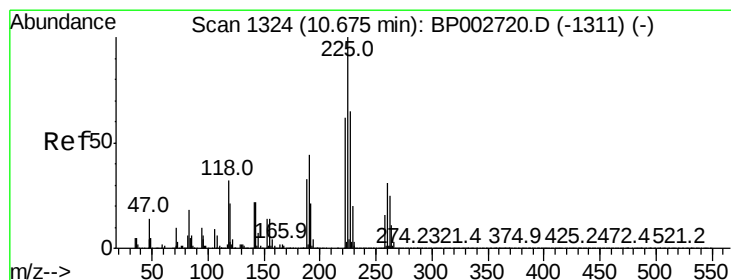
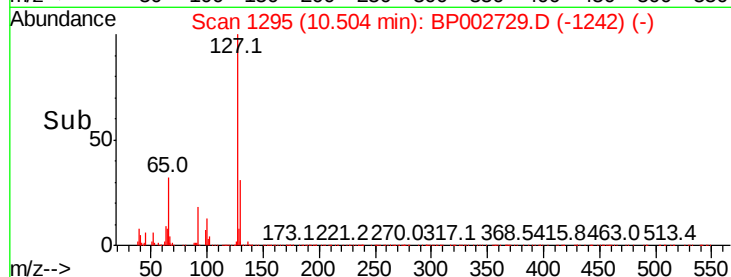
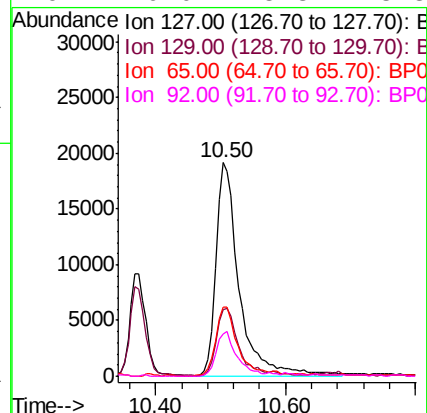
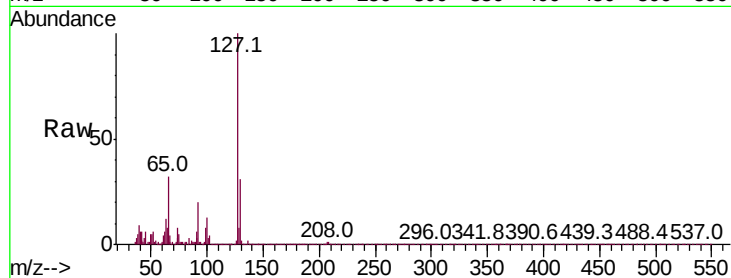




#33
4-Chloroaniline
Concen: 3.187 ng
RT: 10.50 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

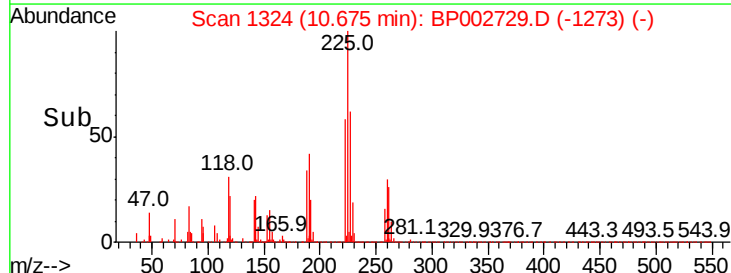
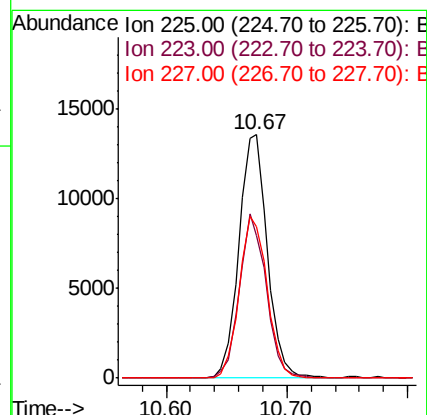
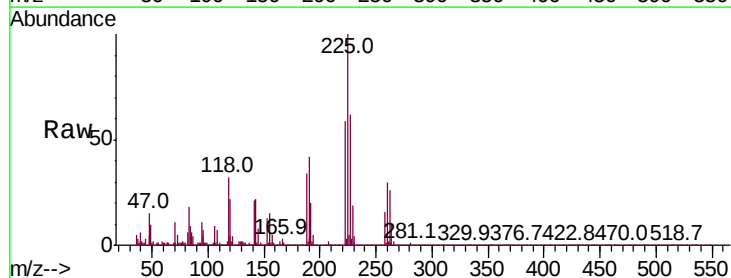
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

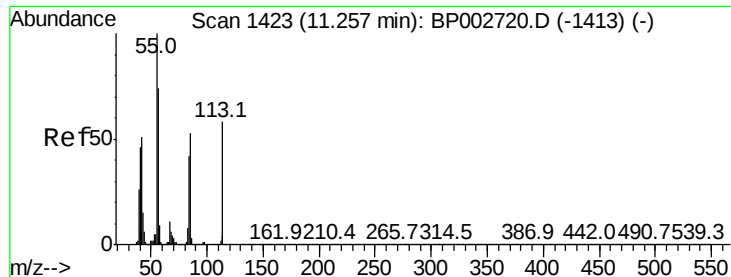
Tot Ion:127	Resp:	46891	
Ion Ratio	Lower	Upper	
127 100			
129 31.4	25.3	37.9	
65 32.4	25.4	38.2	
92 20.0	15.8	23.8	



#34
Hexachlorobutadiene
Concen: 3.301 ng
RT: 10.67 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	225	Resp: Lower	22251 Upper
	Ratio		
225	100		
223	58.5	49.9	74.9
227	62.0	51.8	77.6

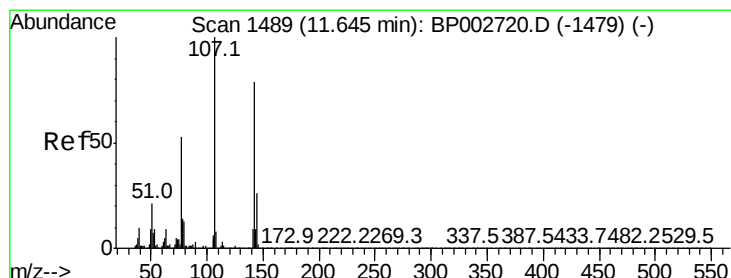
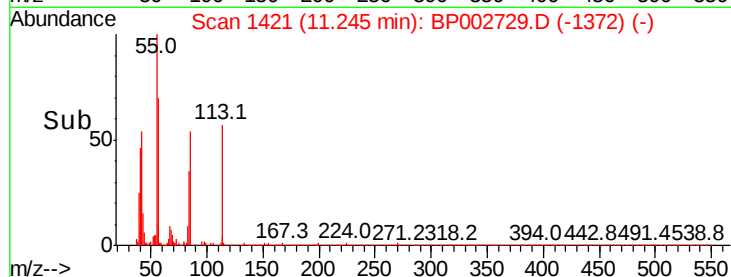
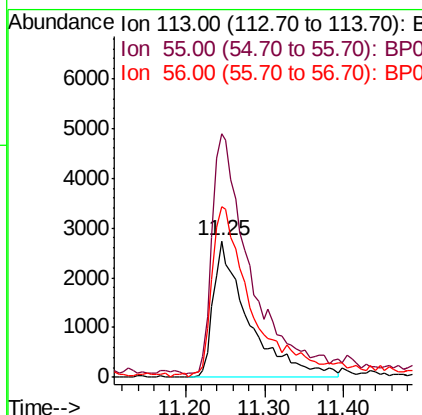
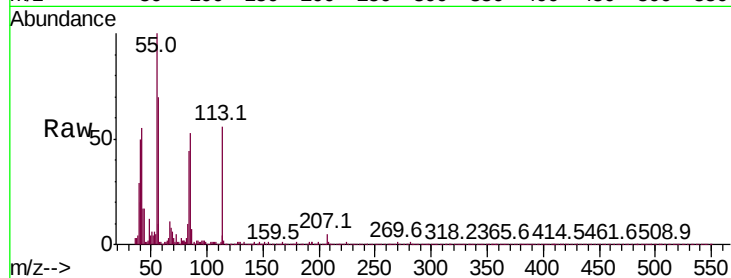




#35
 Caprolactam
 Concen: 2.368 ng
 RT: 11.25 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BP002729.D
 Acq: 13 Jul 2020 11:07

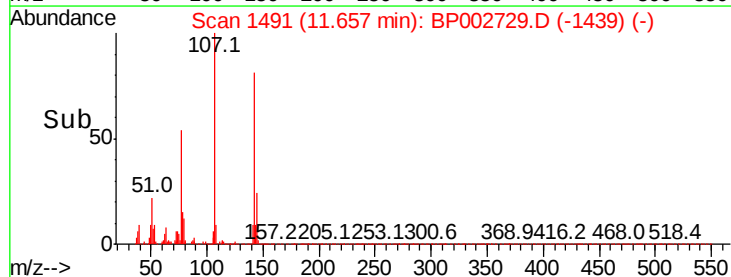
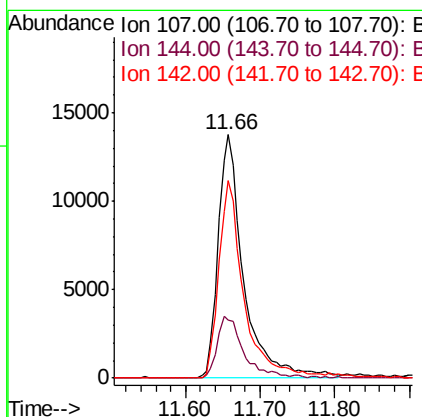
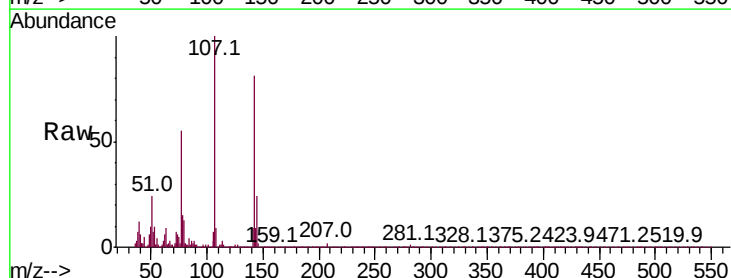
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

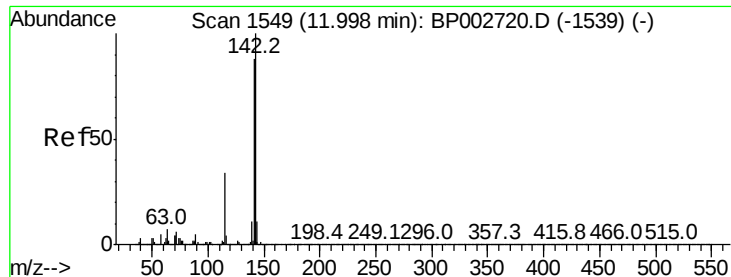
Tot Ion:113 Resp: 8431
 Ion Ratio Lower Upper
 113 100
 55 178.7 152.8 192.8
 56 125.0 107.5 147.5



#36
 4-Chloro-3-methylphenol
 Concen: 2.968 ng
 RT: 11.66 min Scan# 1491
 Delta R.T. 0.01 min
 Lab File: BP002729.D
 Acq: 13 Jul 2020 11:07

Tgt Ion:107 Resp: 32579
 Ion Ratio Lower Upper
 107 100
 144 23.9 20.6 30.8
 142 81.3 63.4 95.2





#37

2-Methylnaphthalene

Concen: 3.619 ng

RT: 12.00 min Scan# 1549

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

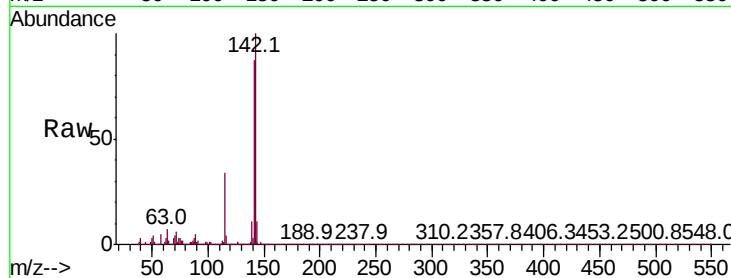
Tot Ion:142 Resp: 87699

Ion Ratio Lower Upper

142 100

141 86.6 70.4 105.6

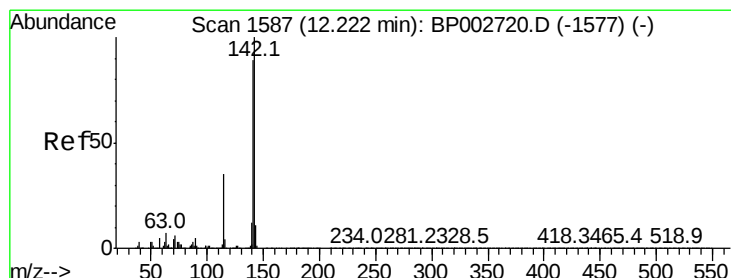
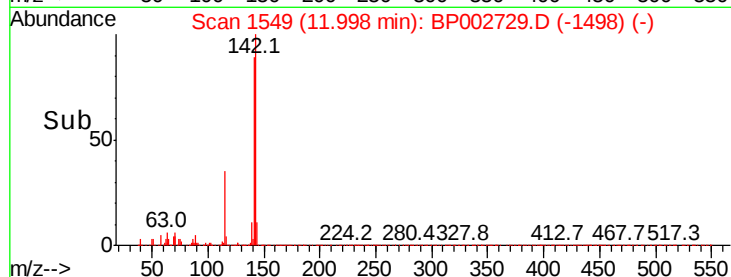
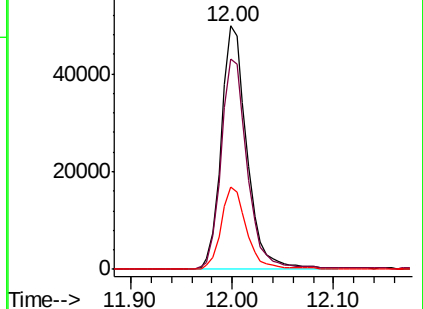
115 33.8 27.0 40.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 3.709 ng

RT: 12.22 min Scan# 1587

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

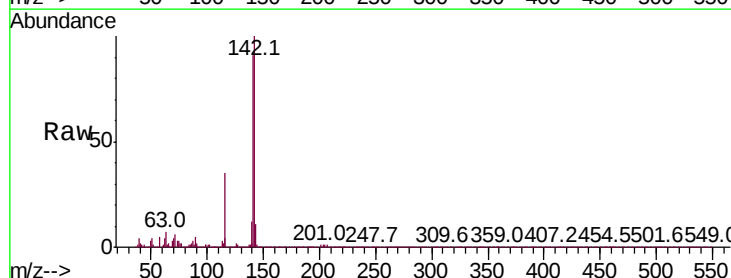
Tgt Ion:142 Resp: 85007

Ion Ratio Lower Upper

142 100

141 91.2 71.5 107.3

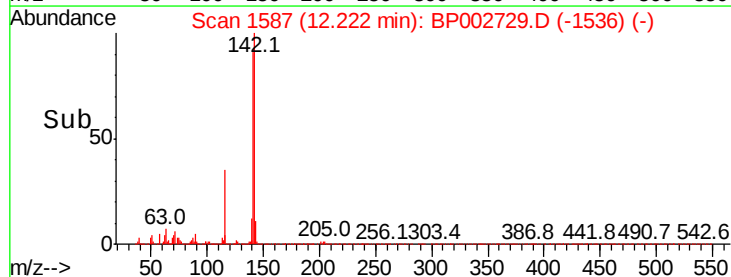
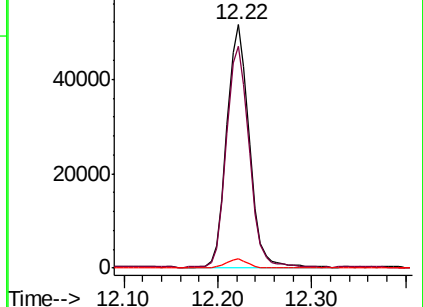
116 3.6 2.9 4.3

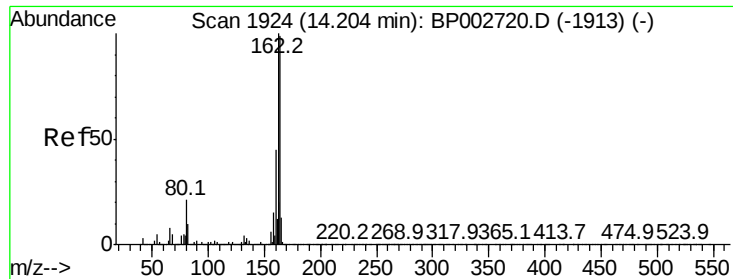


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

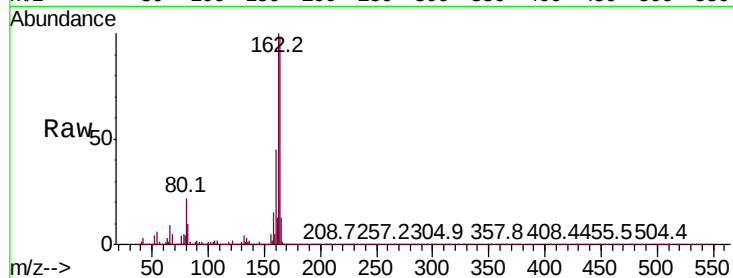
Tot Ion:164 Resp: 414439

Ion Ratio Lower Upper

164 100

162 101.6 80.6 121.0

160 45.7 36.4 54.6

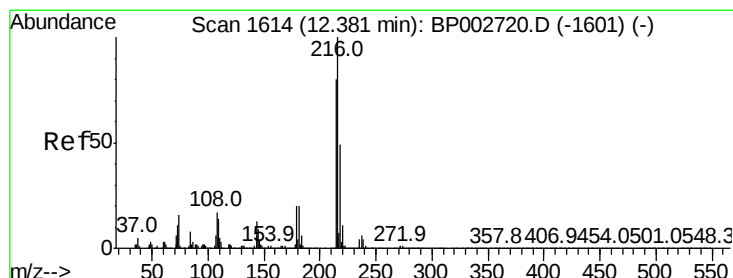
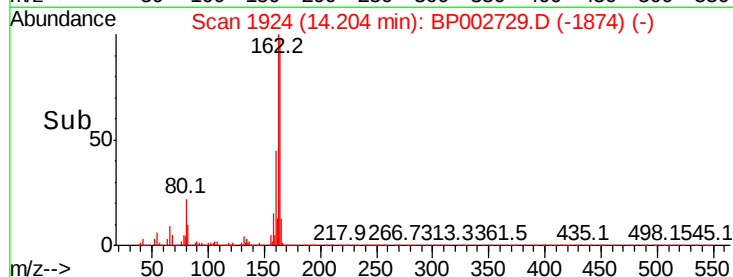
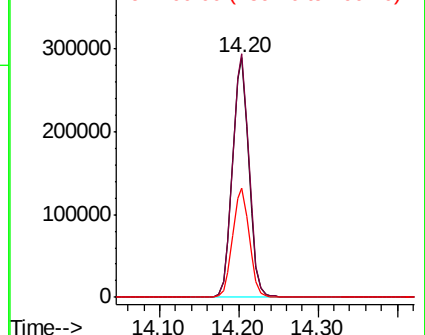


Abundance

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: 3.710 ng

RT: 12.38 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:216 Resp: 47255

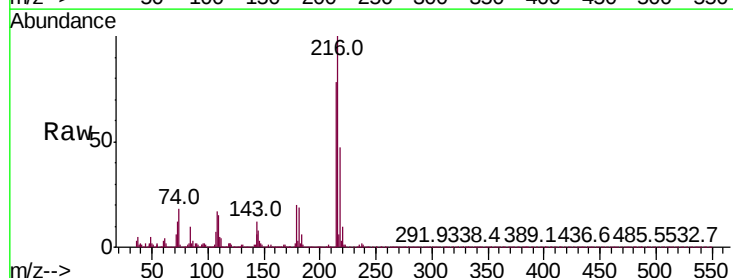
Ion Ratio Lower Upper

216 100

214 77.8 63.4 95.2

179 19.8 16.2 24.2

108 17.6 14.8 22.2



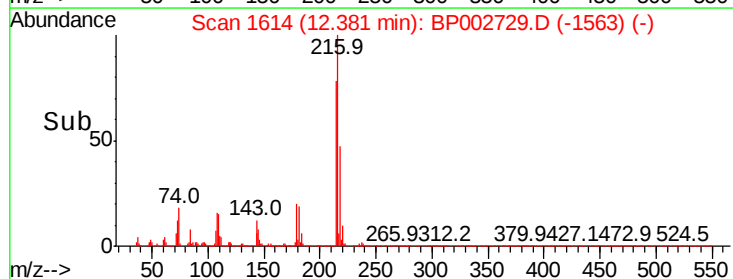
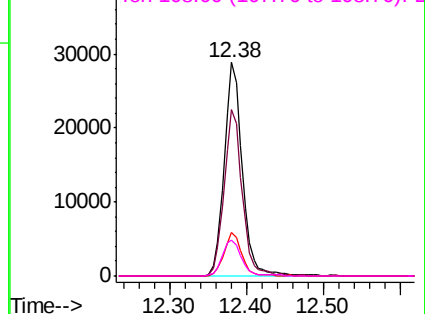
Abundance

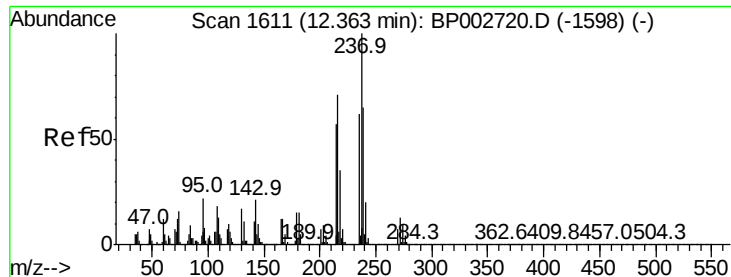
Ion 216.00 (215.70 to 216.70): E

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: 8.045 ng

RT: 12.36 min Scan# 1611

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

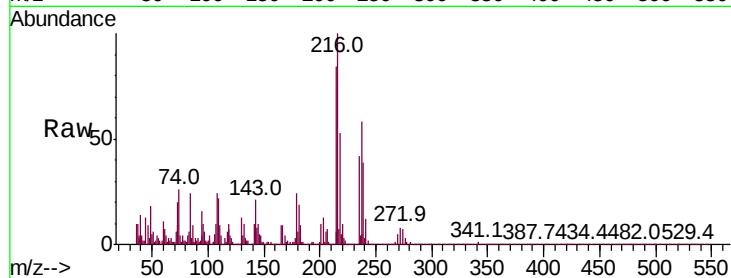
Tot Ion:237 Resp: 3797

Ion	Ratio	Lower	Upper
237	100		
235	72.1	42.3	82.3
272	13.2	0.0	32.5

237 100

235 72.1 42.3 82.3

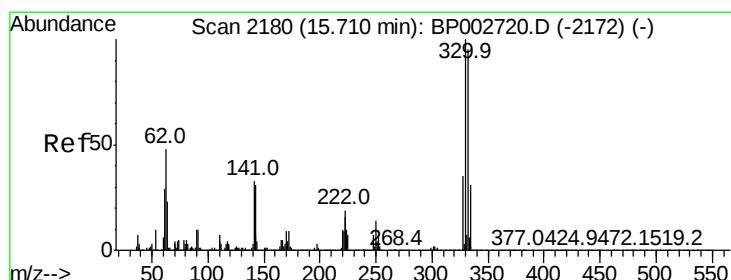
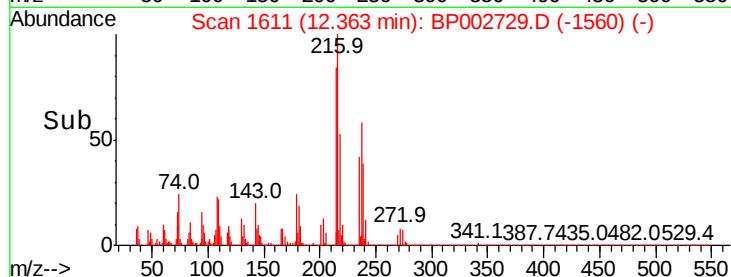
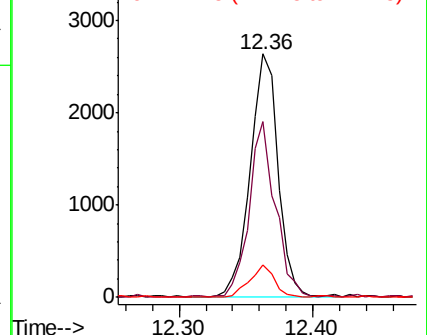
272 13.2 0.0 32.5



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 151.633 ng

RT: 15.71 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

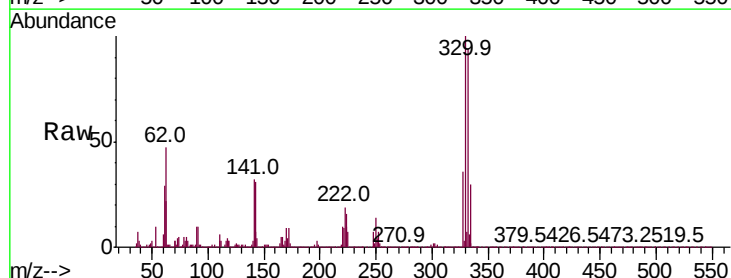
Tgt Ion:330 Resp: 655975

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.5	114.7
141	34.6	28.8	43.2

330 100

332 95.6 76.5 114.7

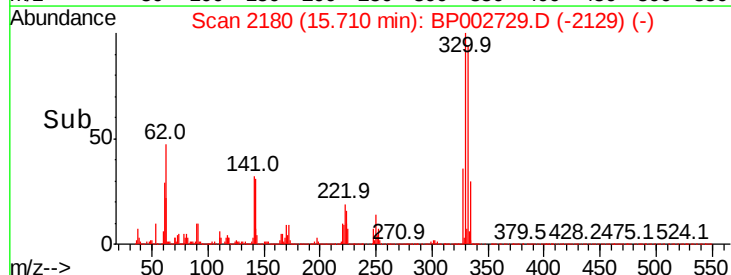
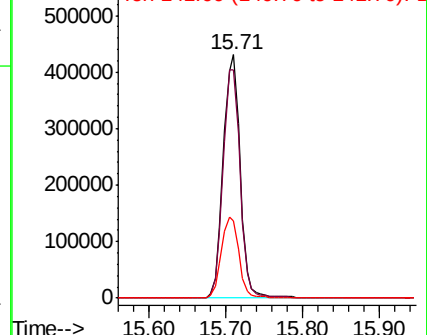
141 34.6 28.8 43.2

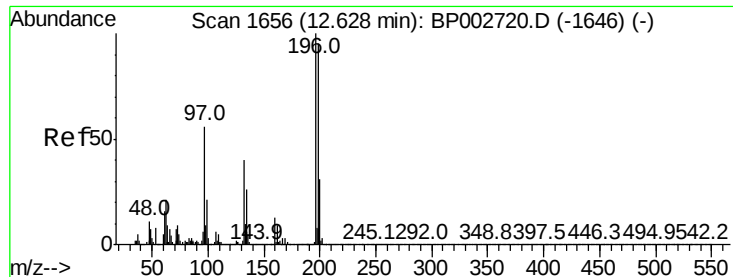


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

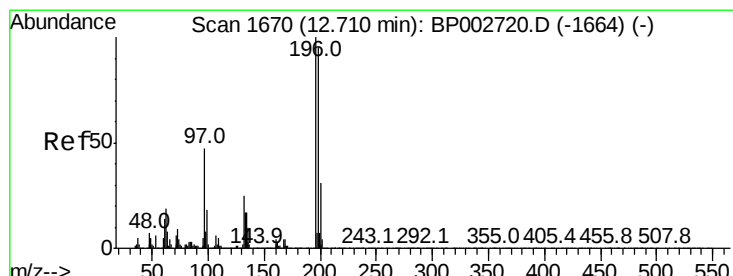
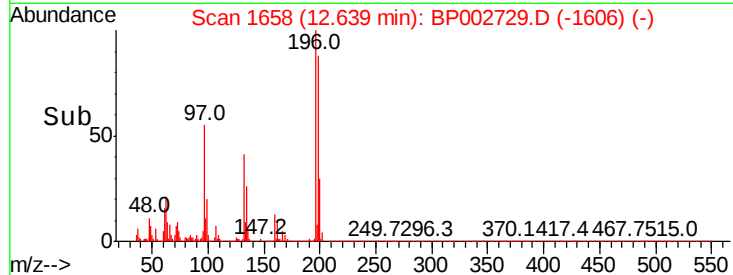
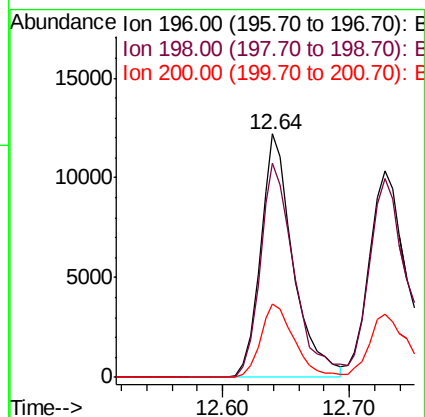
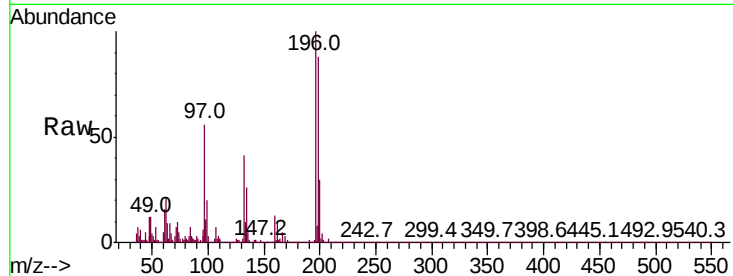




#43
 2,4,6-Trichlorophenol
 Concen: 2.669 ng
 RT: 12.64 min Scan# 1658
 Delta R.T. 0.01 min
 Lab File: BP002729.D
 Acq: 13 Jul 2020 11:07

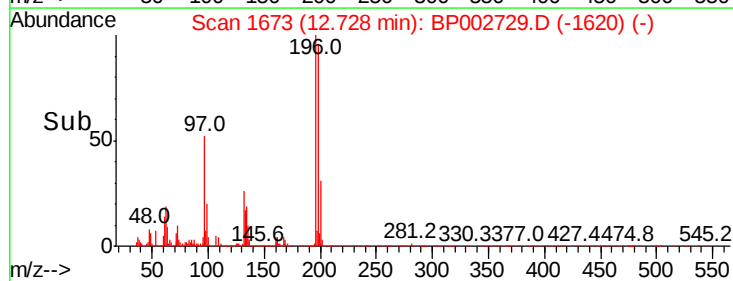
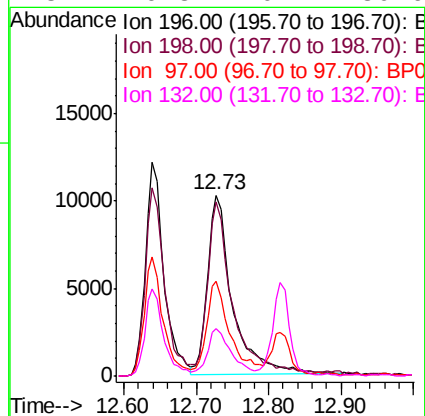
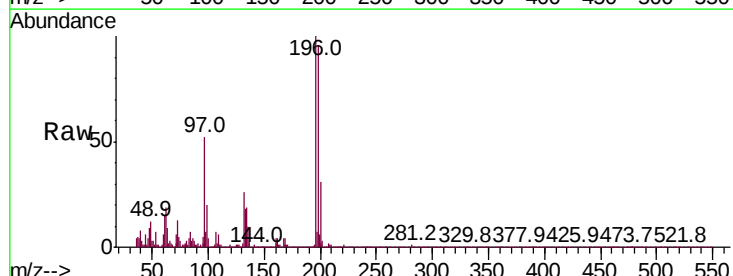
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

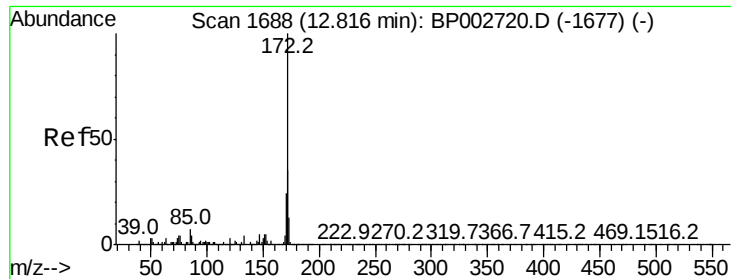
Tot Ion:196 Resp: 21758
 Ion Ratio Lower Upper
 196 100
 198 88.0 75.8 113.6
 200 30.2 24.5 36.7



#44
 2,4,5-Trichlorophenol
 Concen: 2.593 ng
 RT: 12.73 min Scan# 1673
 Delta R.T. 0.01 min
 Lab File: BP002729.D
 Acq: 13 Jul 2020 11:07

Tgt Ion:196 Resp: 24516
 Ion Ratio Lower Upper
 196 100
 198 96.4 75.8 113.6
 97 52.4 38.0 57.0
 132 26.3 20.4 30.6

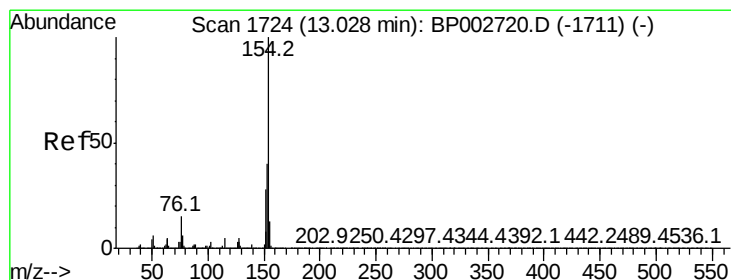
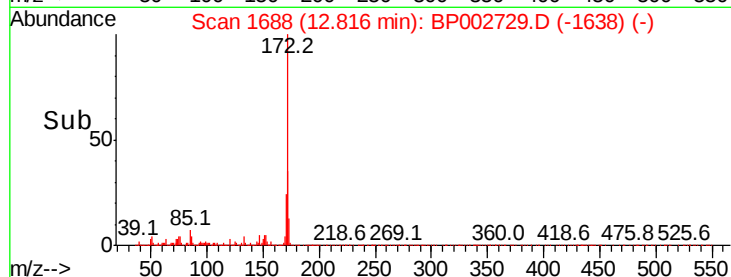
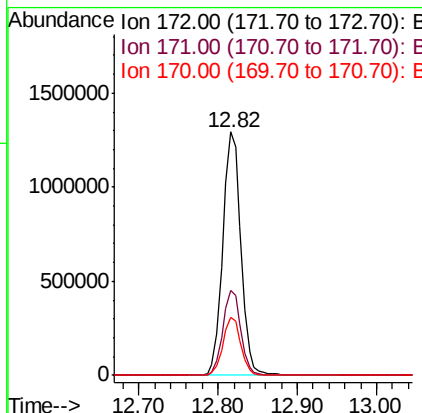
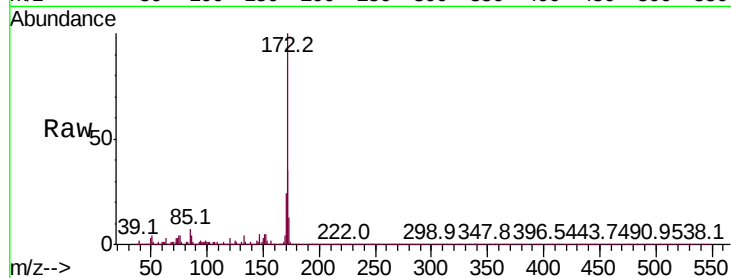




#45
2-Fluorobiphenyl
Concen: 76.246 ng
RT: 12.82 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

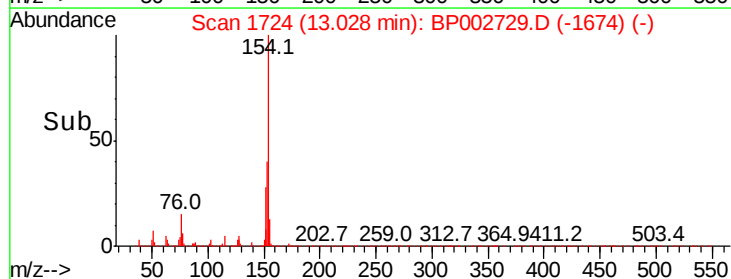
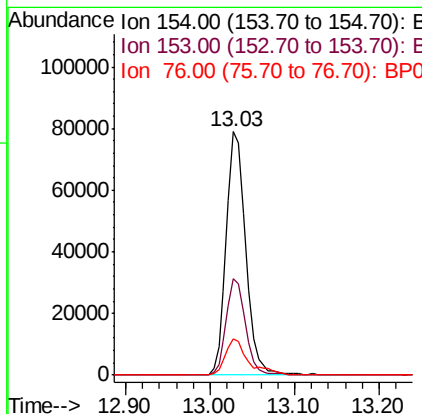
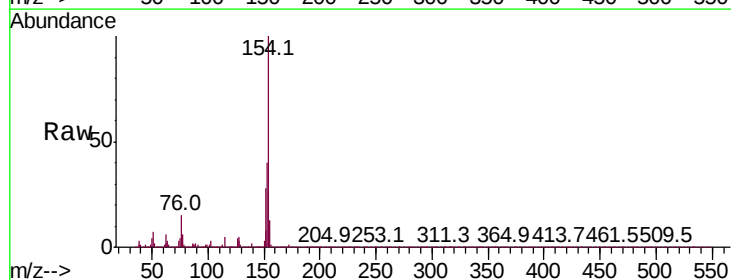
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

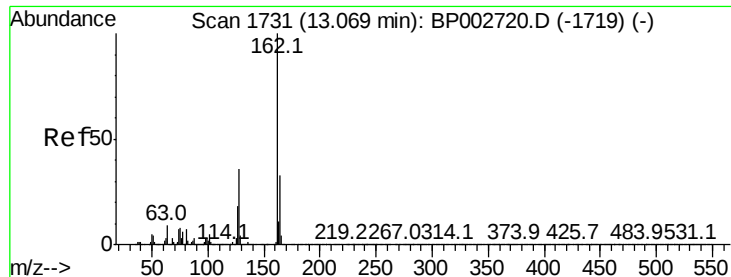
Tot Ion:172 Resp: 2042641
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.8 19.3 28.9



#46
1,1'-Biphenyl
Concen: 4.077 ng
RT: 13.03 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion:154 Resp: 125967
Ion Ratio Lower Upper
154 100
153 39.8 19.8 59.8
76 14.8 0.0 34.7

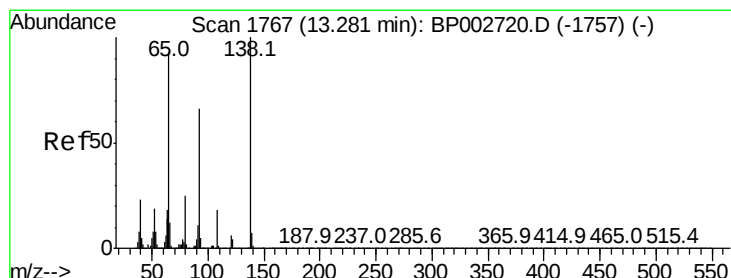
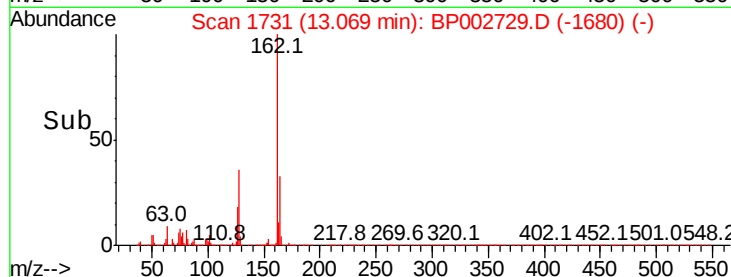
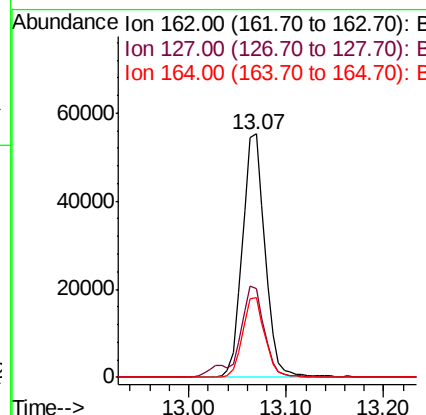
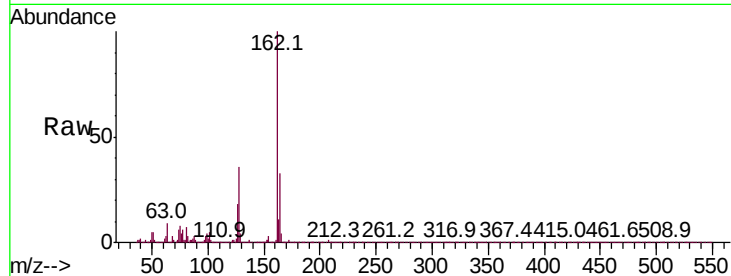




#47
2-Chloronaphthalene
Concen: 3.558 ng
RT: 13.07 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

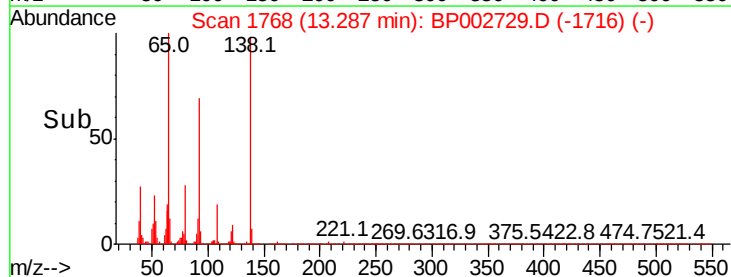
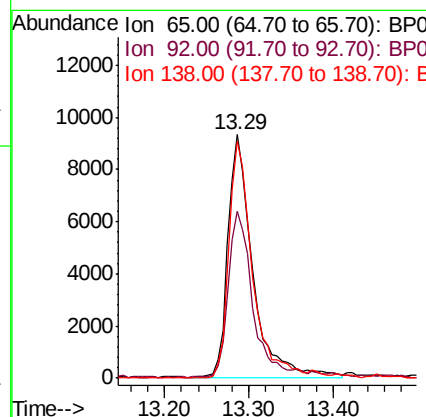
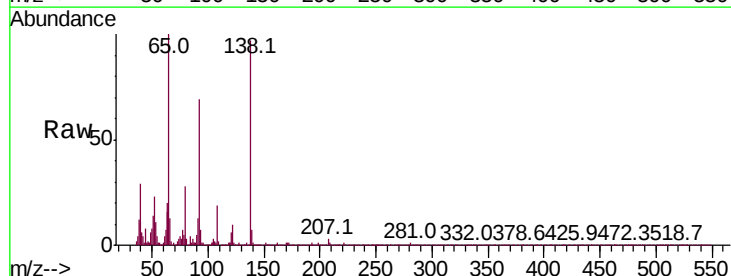
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

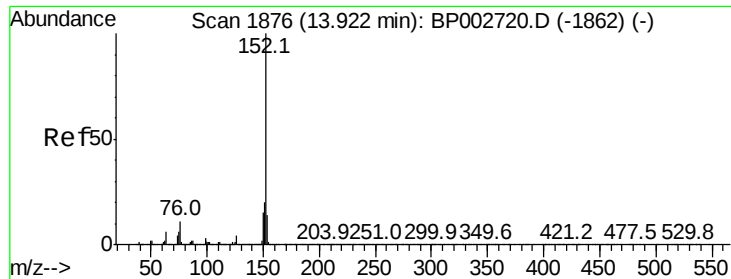
Tot Ion	Ratio	Lower	Upper
162	100		
127	36.3	29.0	43.4
164	32.6	26.8	40.2



#48
2-Nitroaniline
Concen: 2.425 ng
RT: 13.29 min Scan# 1768
Delta R.T. 0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.6	57.0	85.6
138	97.4	86.0	129.0





#49

Acenaphthylene

Concen: 3.483 ng

RT: 13.92 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

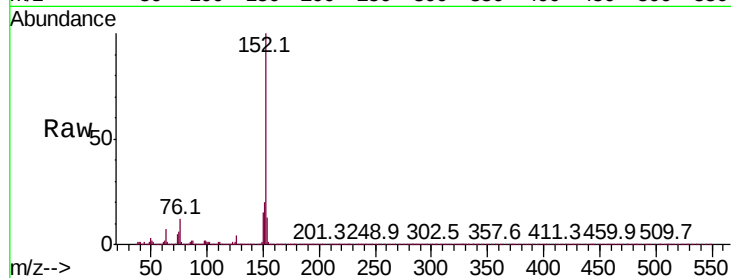
Tot Ion:152 Resp: 137788

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.4

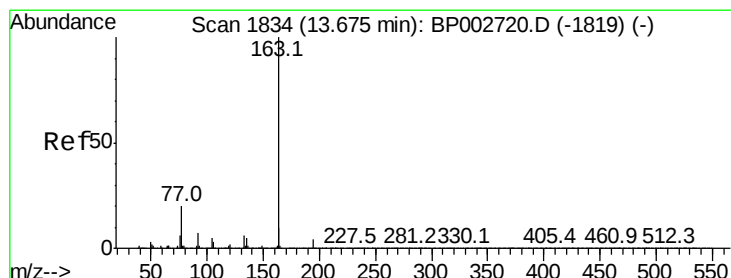
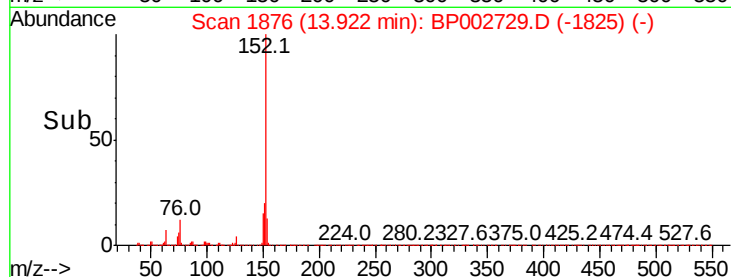
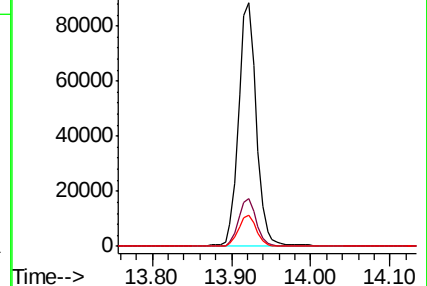
153 12.8 10.9 16.3



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: 3.417 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

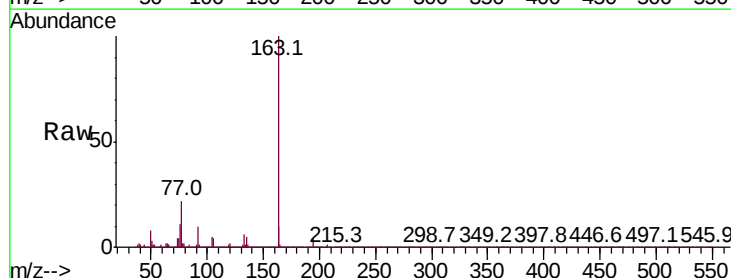
Tgt Ion:163 Resp: 108012

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

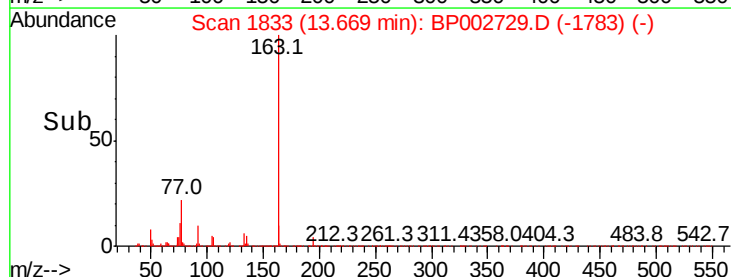
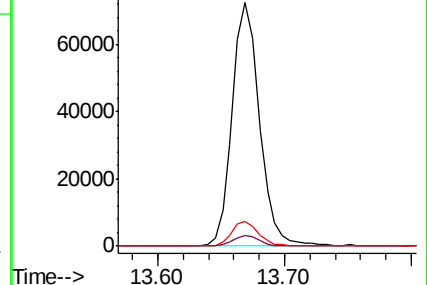
164 10.0 7.8 11.8

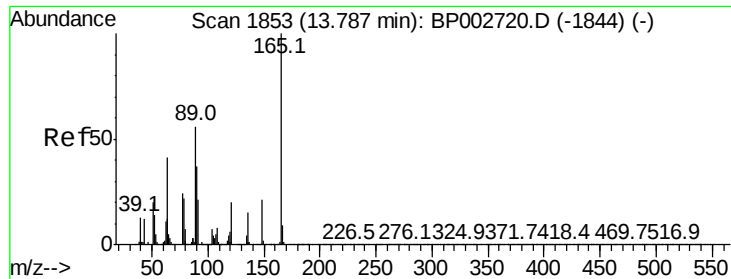


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 2.804 ng

RT: 13.79 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

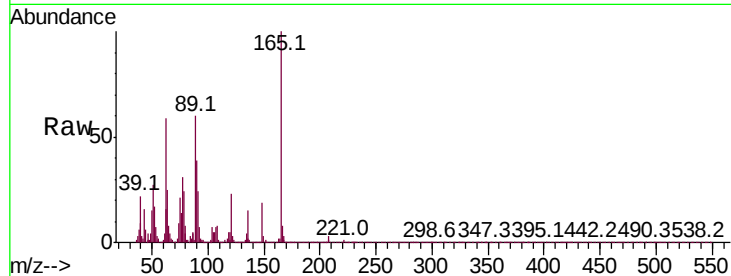
Tot Ion:165 Resp: 18974

Ion Ratio Lower Upper

165 100

63 58.9 43.2 64.8

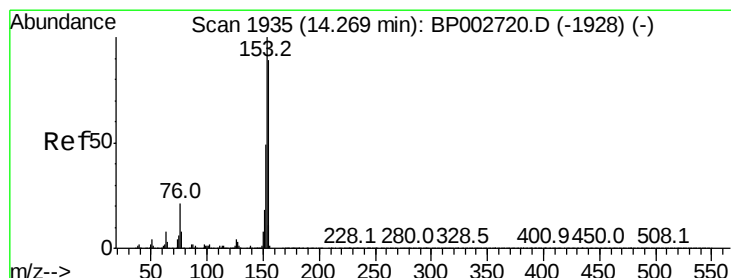
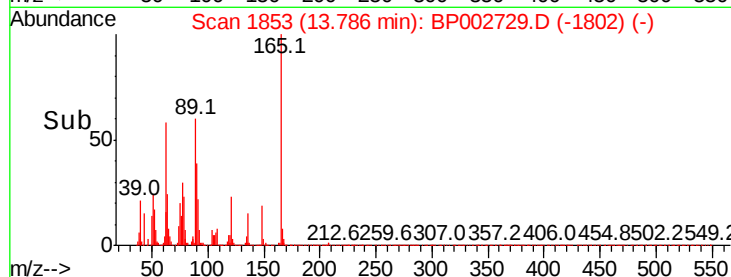
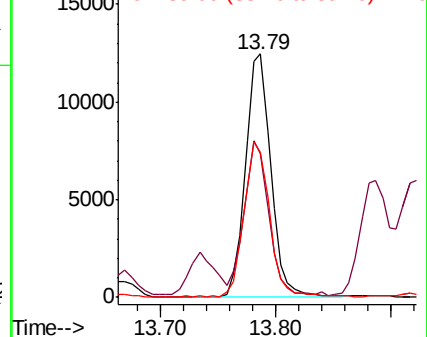
89 59.8 44.6 67.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0



#52

Acenaphthene

Concen: 3.649 ng

RT: 14.27 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

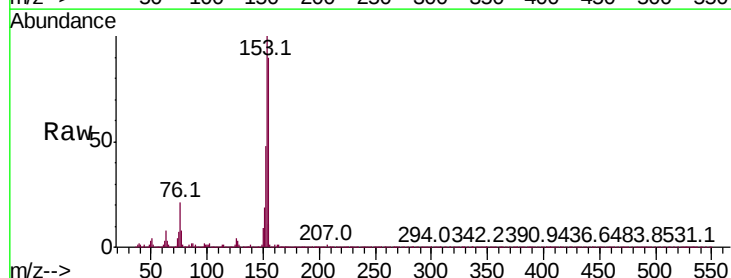
Tgt Ion:154 Resp: 86277

Ion Ratio Lower Upper

154 100

153 111.4 90.1 135.1

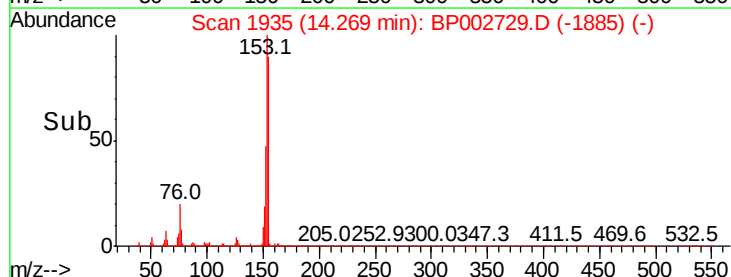
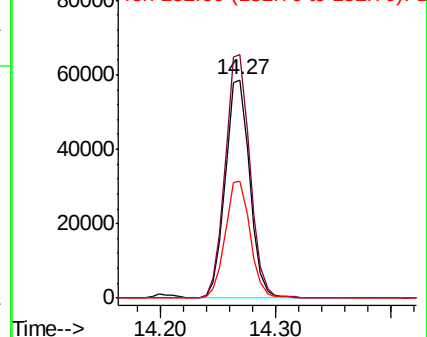
152 53.8 43.8 65.6

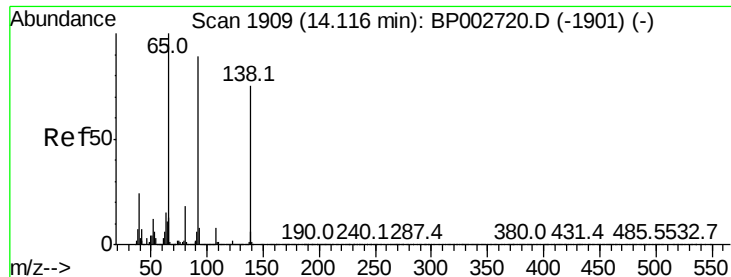


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

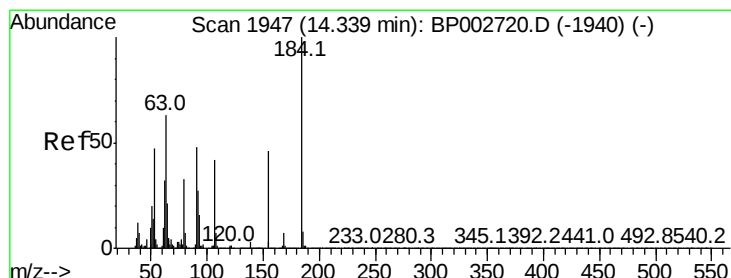
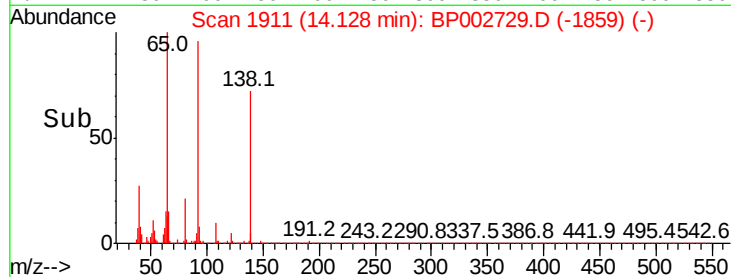
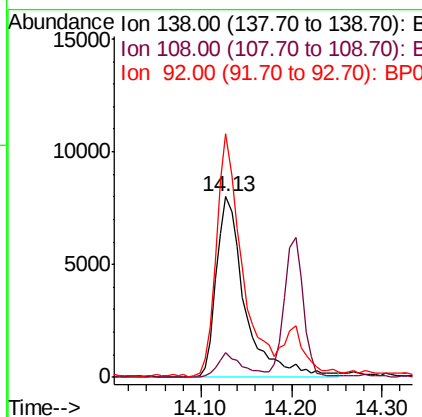
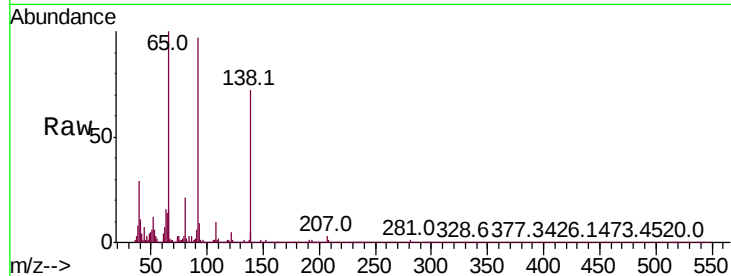




#53
3-Nitroaniline
Concen: 2.329 ng
RT: 14.13 min Scan# 1911
Delta R.T. 0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

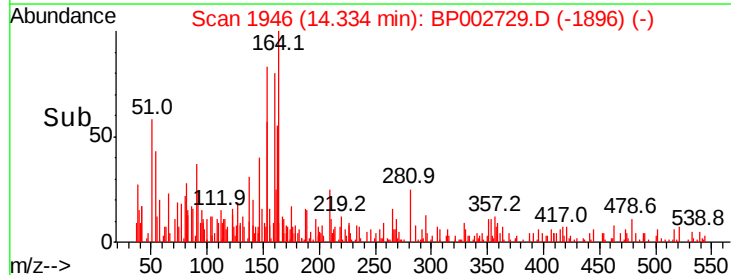
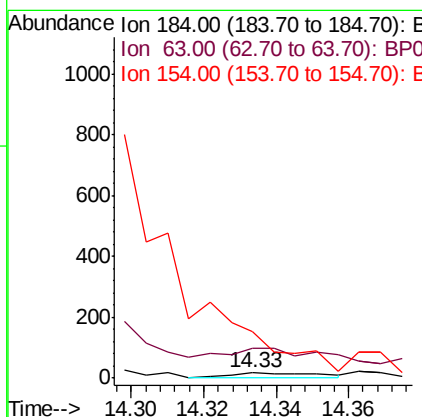
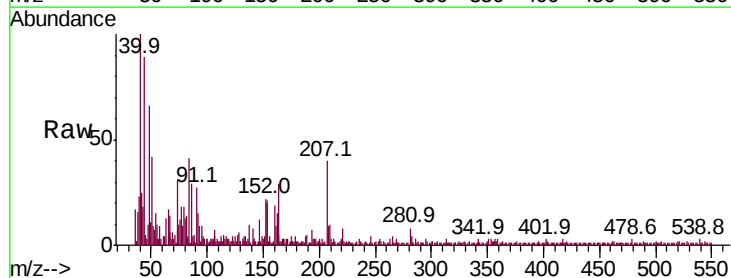
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

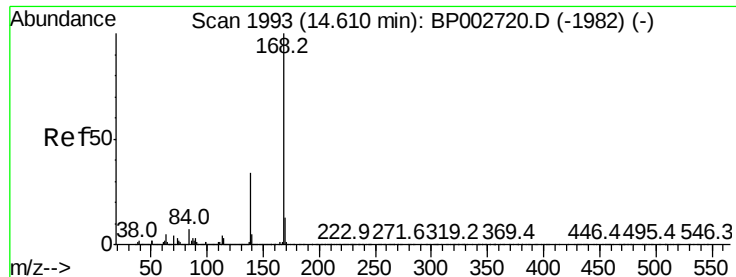
Tot Ion:138 Resp: 17634
Ion Ratio Lower Upper
138 100
108 13.6 8.2 12.2#
92 134.8 94.3 141.5



#54
2,4-Dinitrophenol
Concen: 11.381 ng
RT: 14.33 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion:184 Resp: 29
Ion Ratio Lower Upper
184 100
63 564.7 51.6 77.4#
154 894.1 45.0 67.6#





#55

Dibenzofuran

Concen: 3.741 ng

RT: 14.61 min Scan# 1993

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

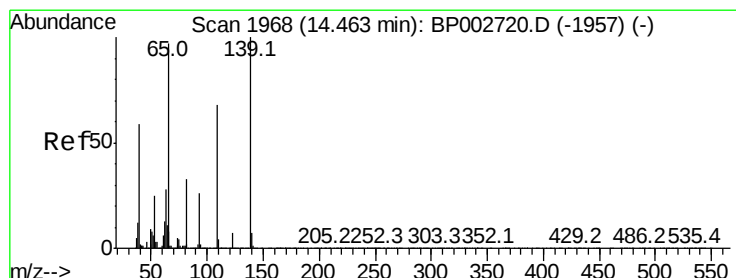
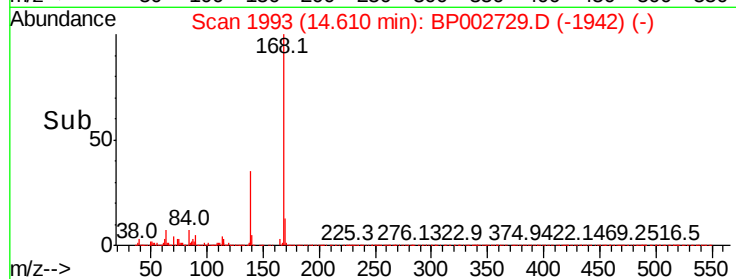
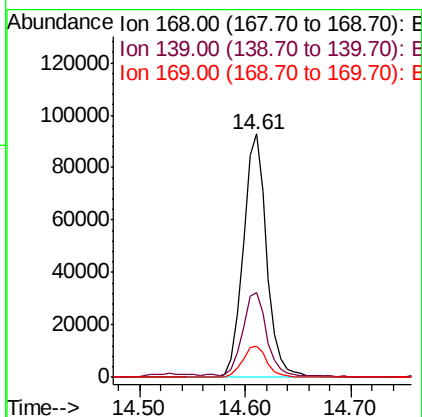
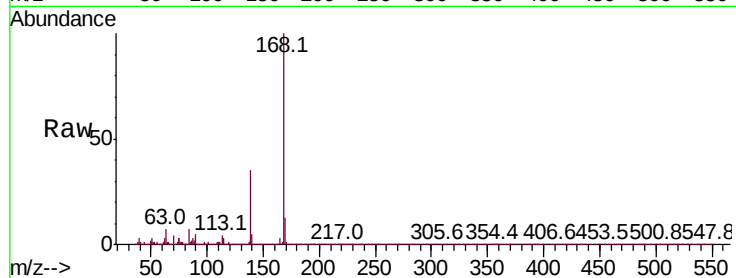
Tot Ion:168 Resp: 141861

Ion Ratio Lower Upper

168 100

139 35.0 27.1 40.7

169 13.0 10.8 16.2



#56

4-Nitrophenol

Concen: 5.420 ng

RT: 14.53 min Scan# 1979

Delta R.T. 0.06 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

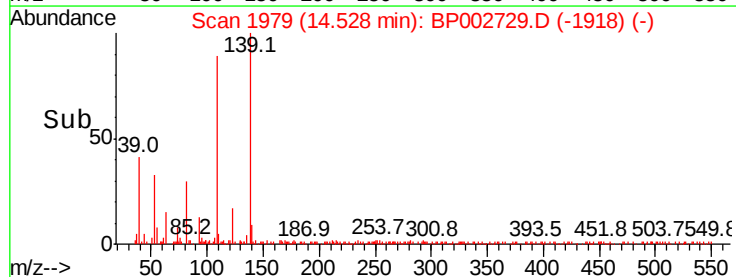
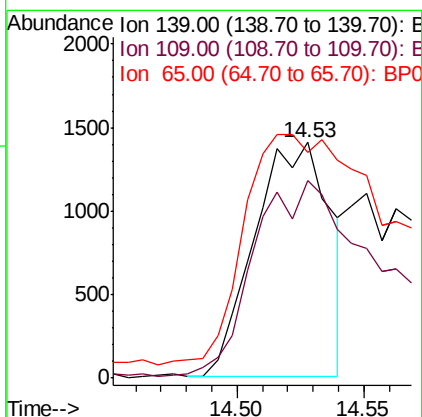
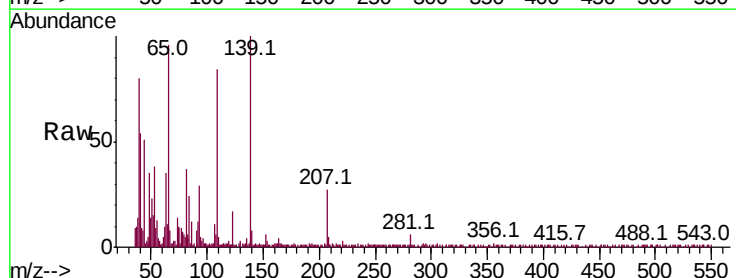
Tgt Ion:139 Resp: 2901

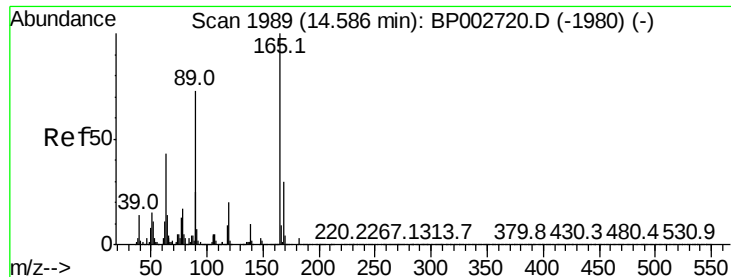
Ion Ratio Lower Upper

139 100

109 83.8 48.1 88.1

65 96.0 77.9 117.9





#57

2,4-Dinitrotoluene

Concen: 2.373 ng

RT: 14.59 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:165 Resp: 21149

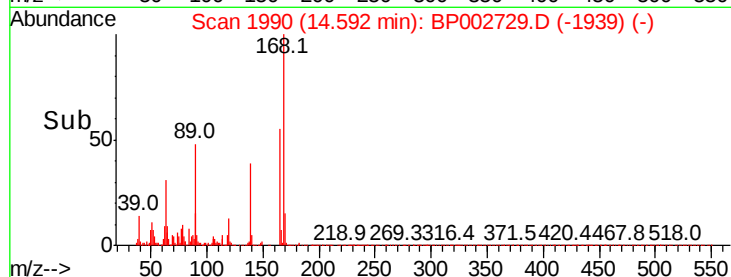
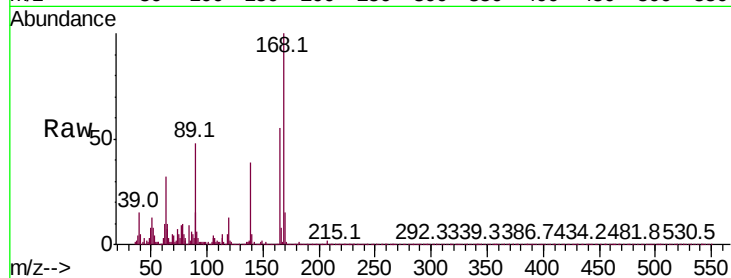
Ion Ratio Lower Upper

165 100

63 59.0 35.1 52.7#

89 87.0 58.4 87.6

182 2.5 2.2 3.2



Abundance Ion 165.00 (164.70 to 165.70): E

20000 Ion 63.00 (62.70 to 63.70): BP0

15000 Ion 89.00 (88.70 to 89.70): BP0

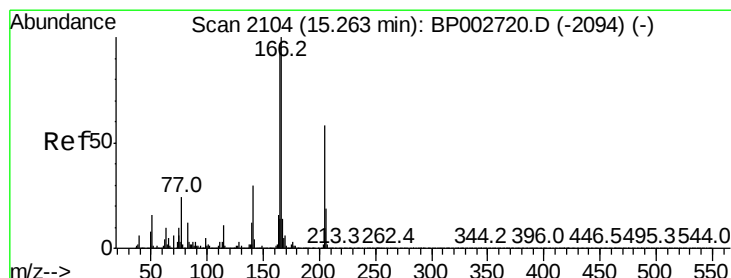
10000 Ion 182.00 (181.70 to 182.70): E

5000

14.59

0

Time-->



#58

Fluorene

Concen: 3.840 ng

RT: 15.26 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

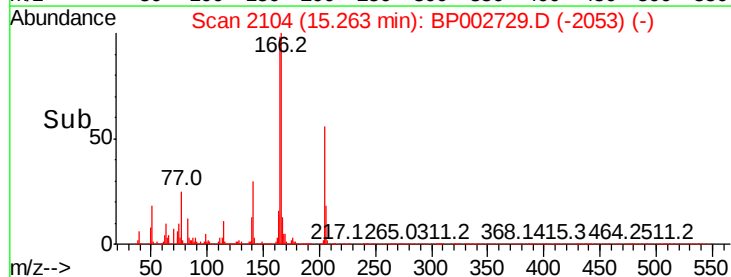
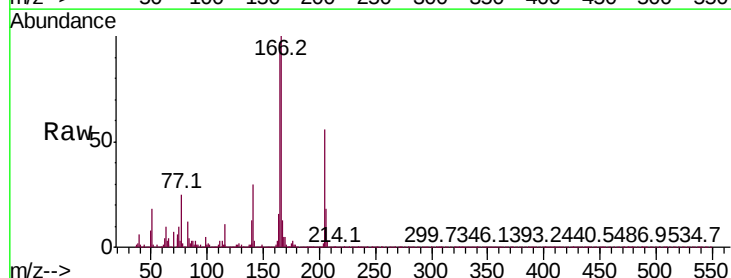
Tgt Ion:166 Resp: 107751

Ion Ratio Lower Upper

166 100

165 97.5 77.7 116.5

167 13.4 11.0 16.6



Abundance Ion 166.00 (165.70 to 166.70): E

100000 Ion 165.00 (164.70 to 165.70): E

80000 Ion 167.00 (166.70 to 167.70): E

60000

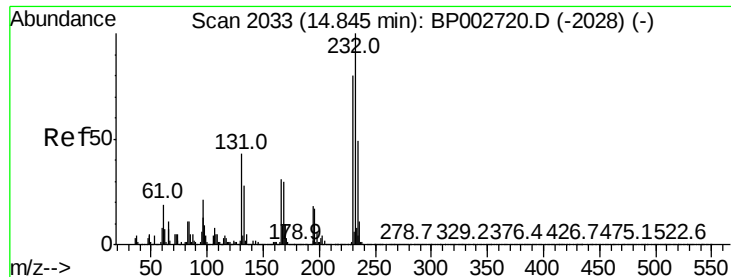
40000

20000

15.26

0

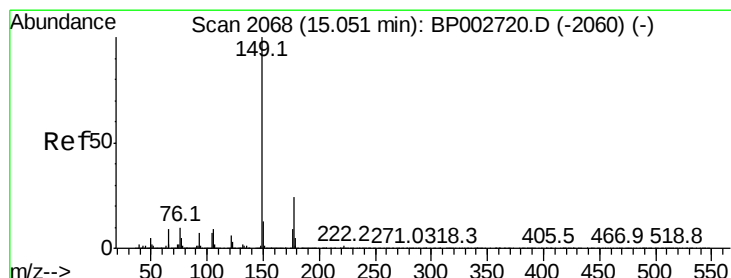
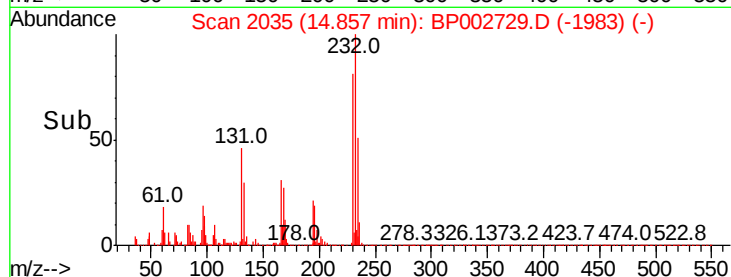
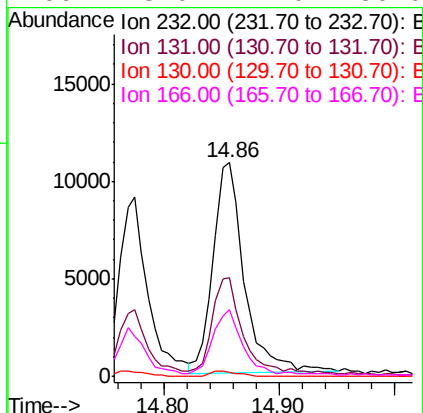
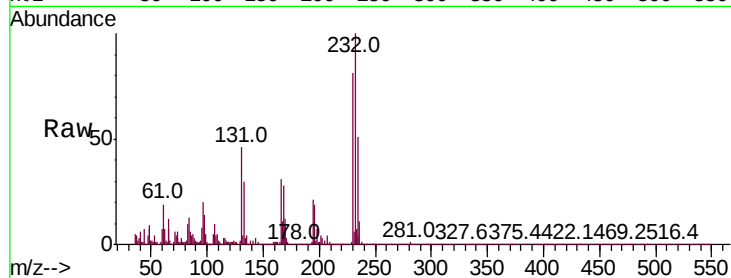
Time-->



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.724 ng
RT: 14.86 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

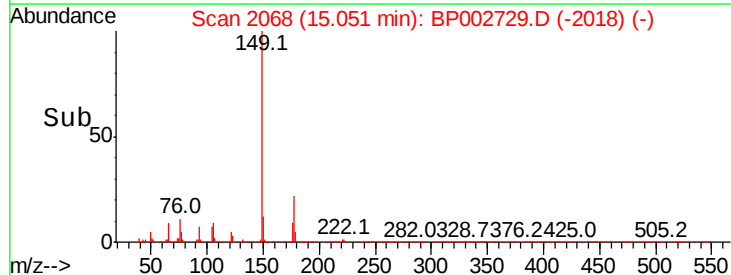
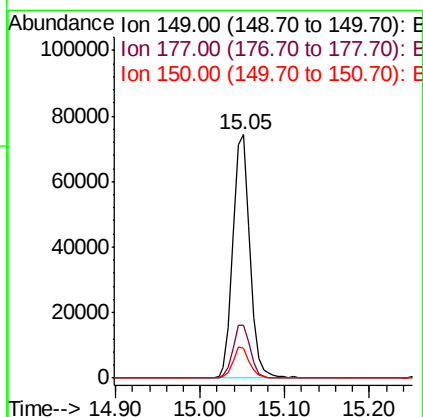
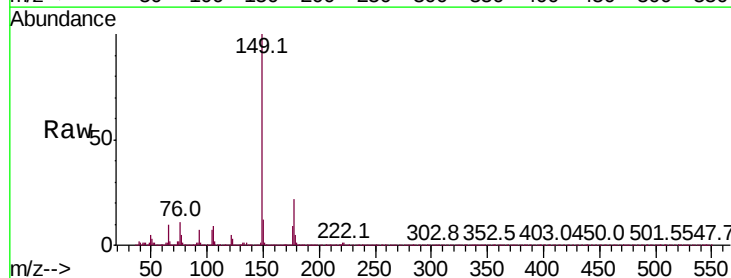
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

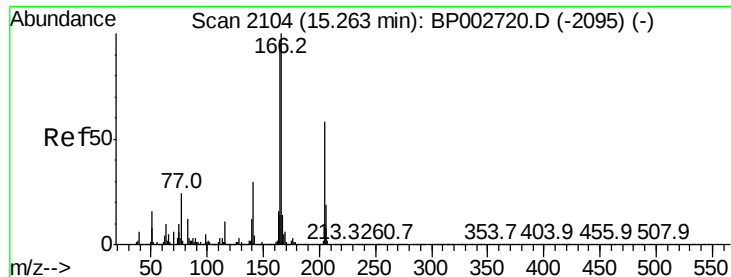
Tot Ion:232	Resp: 20305
Ion Ratio	Lower Upper
232 100	
131 45.9	34.3 51.5
130 2.2	1.8 2.6
166 28.0	24.0 36.0



#60
Diethylphthalate
Concen: 3.321 ng
RT: 15.05 min Scan# 2068
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion:149	Resp: 101766
Ion Ratio	Lower Upper
149 100	
177 21.6	18.9 28.3
150 12.1	10.1 15.1

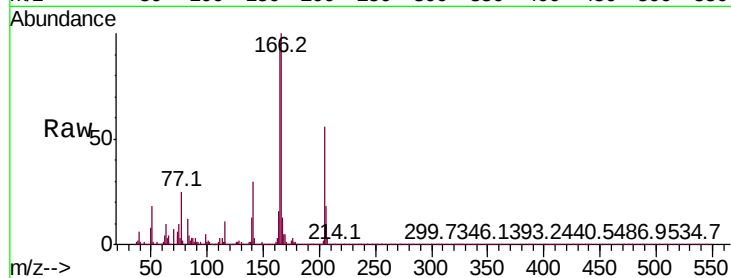




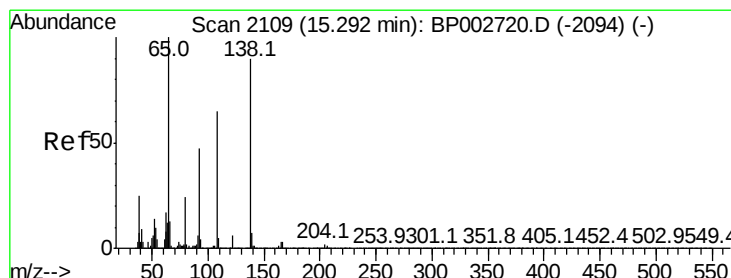
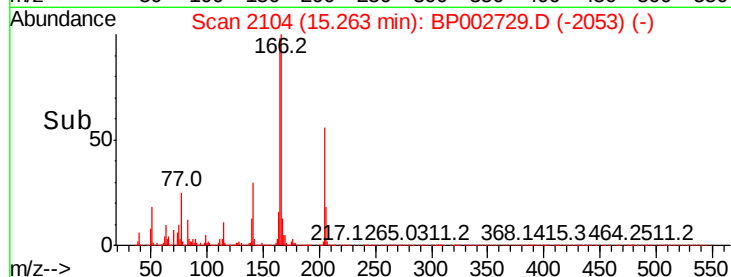
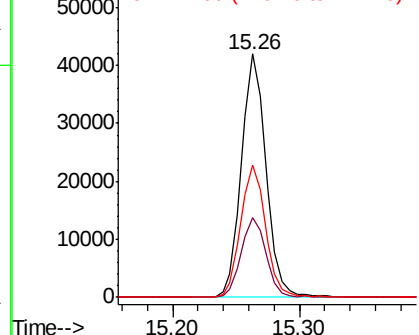
#61
4-Chlorophenyl-phenylether
Concen: 3.775 ng
RT: 15.26 min Scan# 2104
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:204 Resp: 56287
Ion Ratio Lower Upper
204 100
206 32.8 26.1 39.1
141 54.3 41.8 62.8

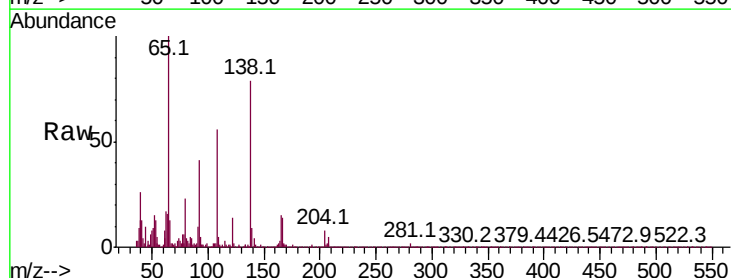


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

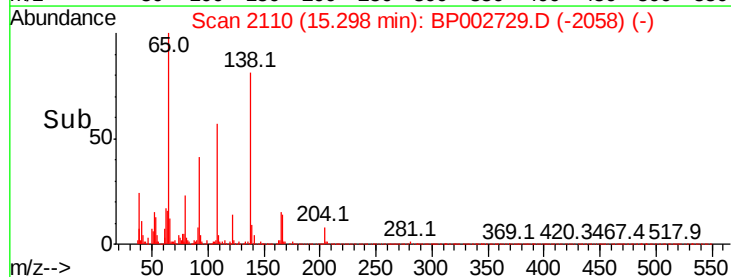
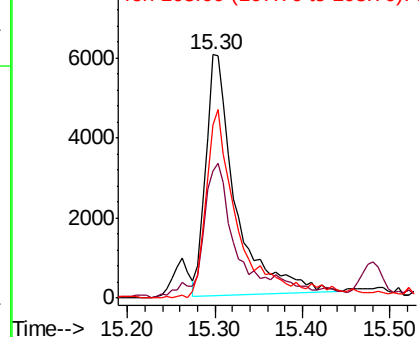


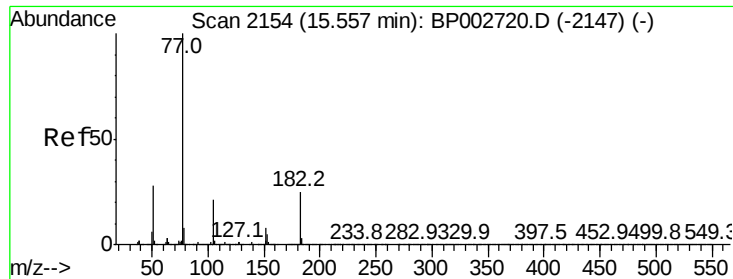
#62
4-Nitroaniline
Concen: 3.123 ng
RT: 15.30 min Scan# 2110
Delta R.T. 0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion:138 Resp: 14294
Ion Ratio Lower Upper
138 100
92 52.2 32.0 72.0
108 71.3 52.2 92.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BP0
Ion 108.00 (107.70 to 108.70): E

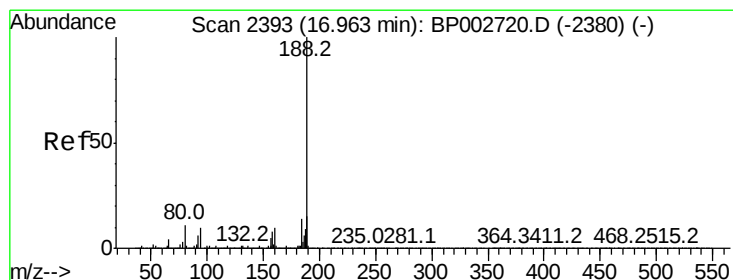
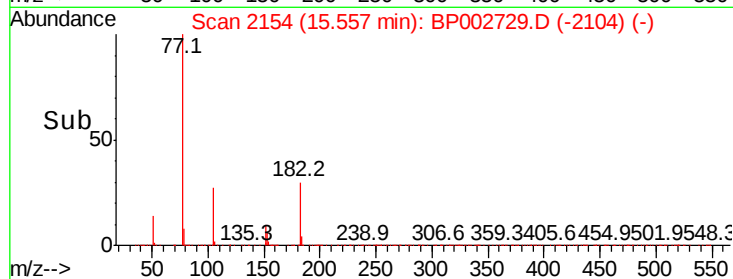
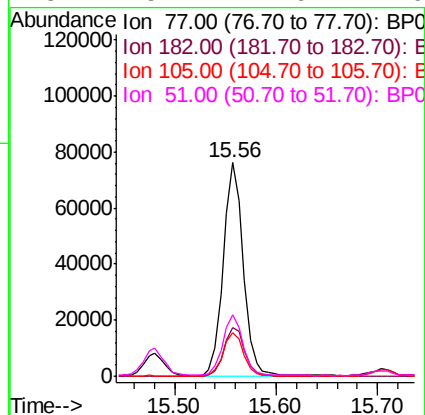
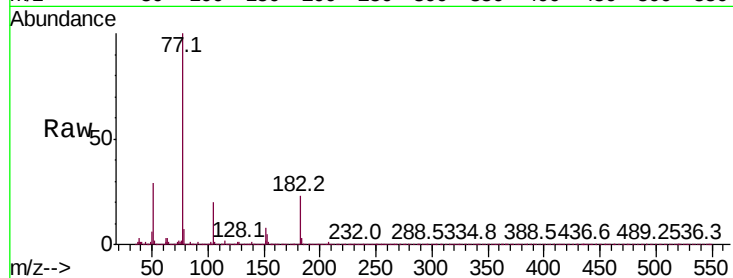




#63
Azobenzene
Concen: 3.301 ng
RT: 15.56 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

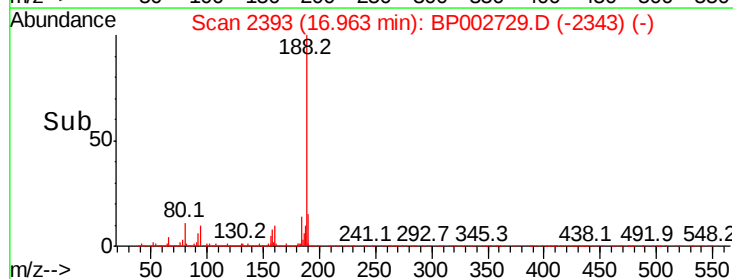
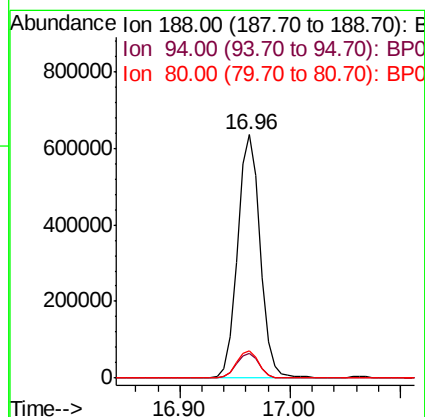
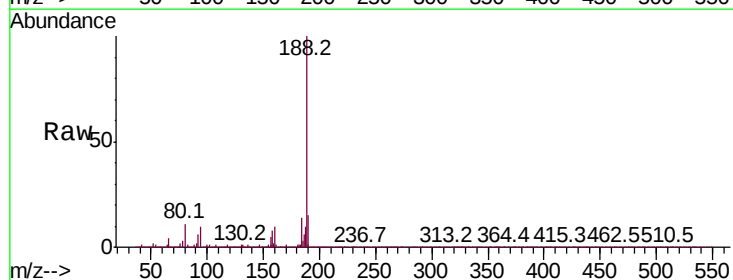
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

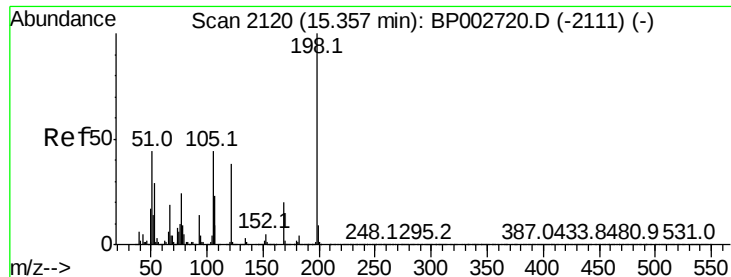
Tot Ion:	77	Resp:	104006
Ion	Ratio	Lower	Upper
77	100		
182	22.5	5.1	45.1
105	20.4	0.8	40.8
51	28.7	7.6	47.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion:	188	Resp:	911470
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.2	8.9	13.3





#65

4,6-Dinitro-2-methylphenol

Concen: 6.099 ng

RT: 15.37 min Scan# 2123

Delta R.T. 0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

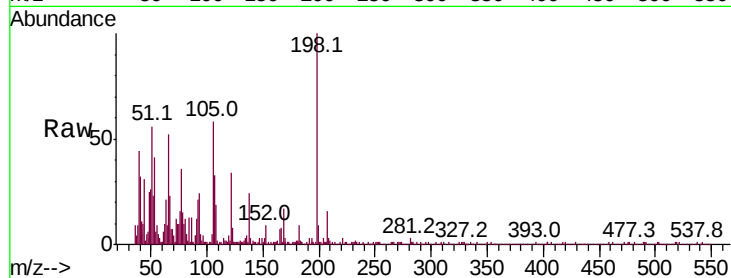
Tot Ion:198 Resp: 5093

Ion Ratio Lower Upper

198 100

51 56.2 27.1 67.1

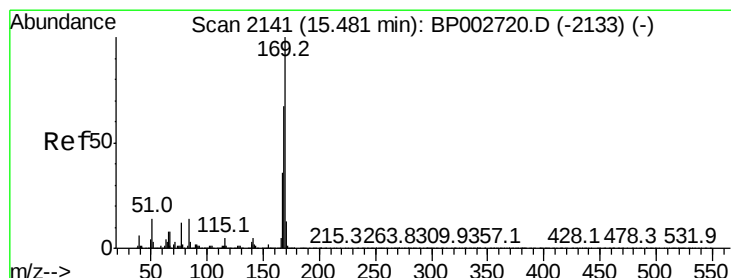
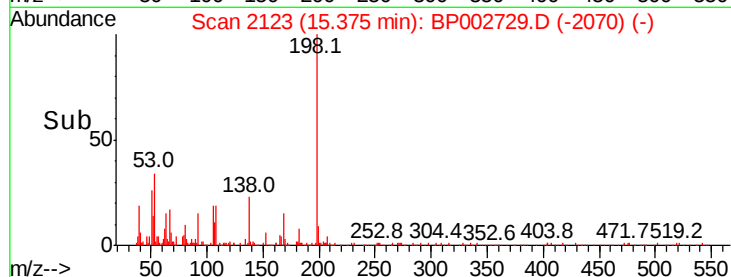
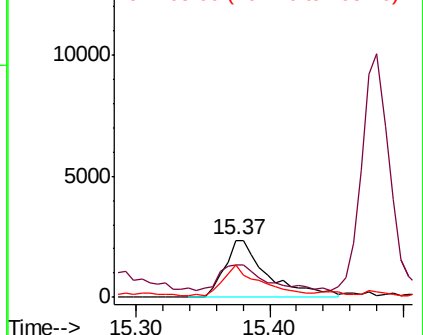
105 57.6 24.9 64.9



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 3.486 ng

RT: 15.48 min Scan# 2141

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

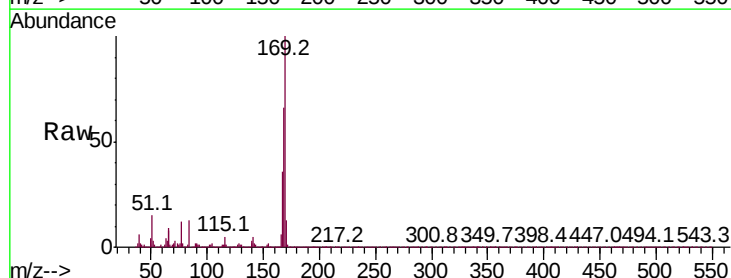
Tgt Ion:169 Resp: 93849

Ion Ratio Lower Upper

169 100

168 66.4 53.4 80.0

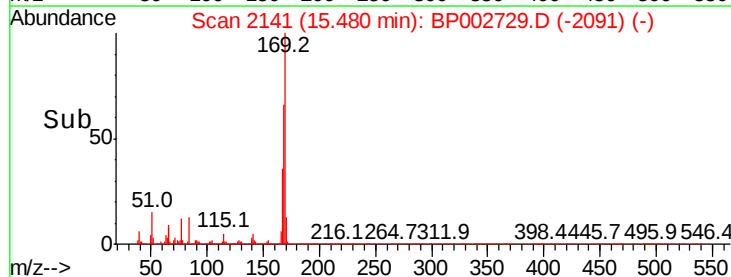
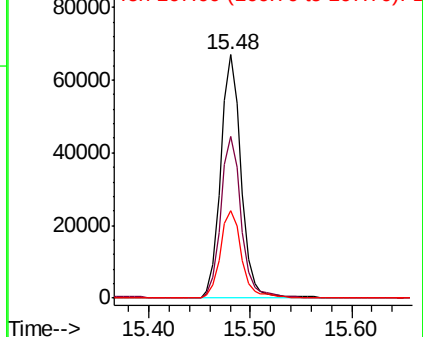
167 35.7 29.2 43.8

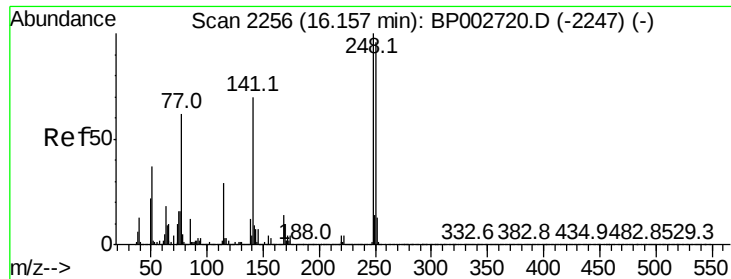


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

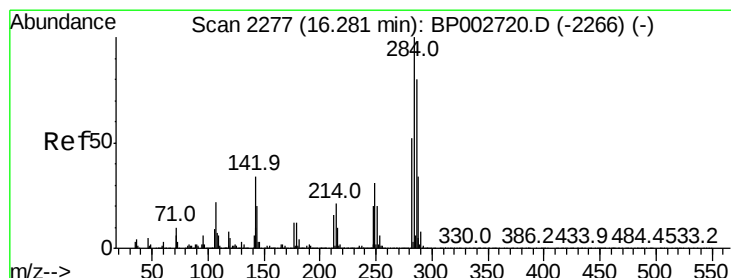
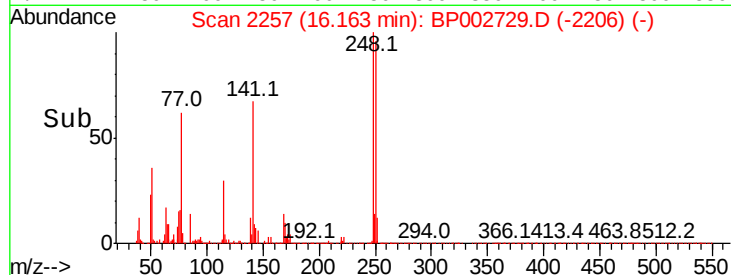
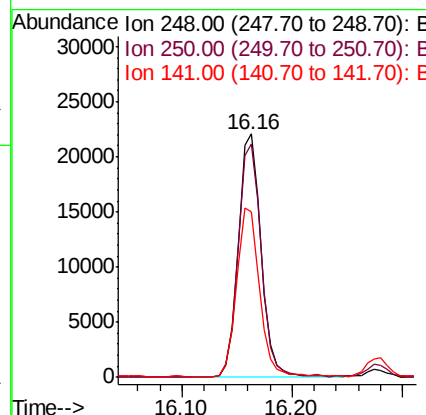
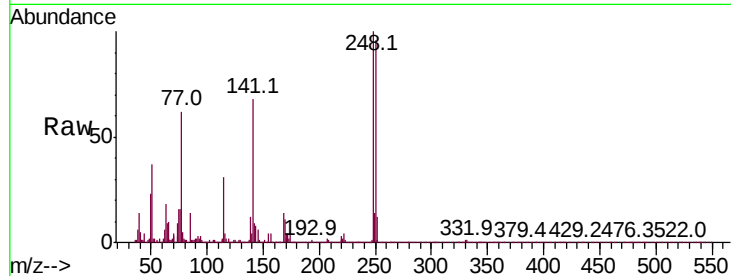




#67
4-Bromophenyl-phenylether
Concen: 3.225 ng
RT: 16.16 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

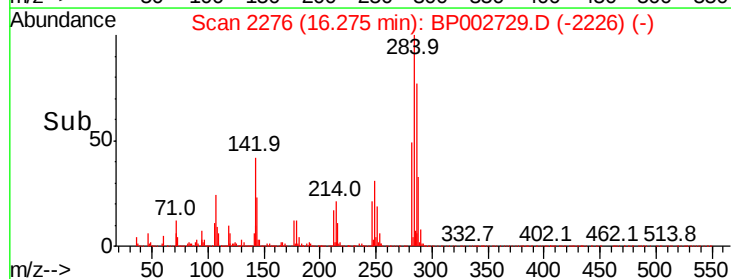
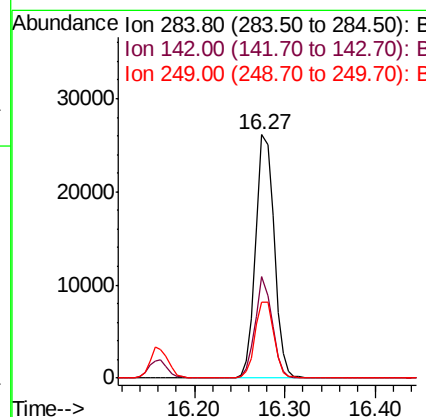
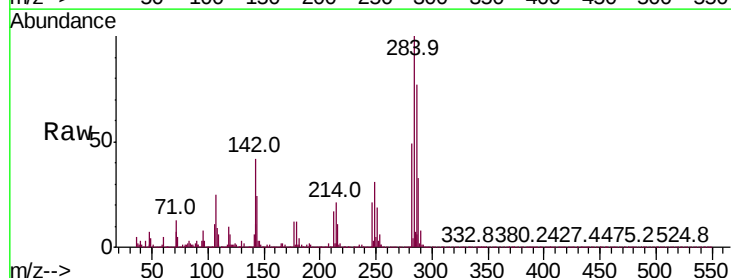
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

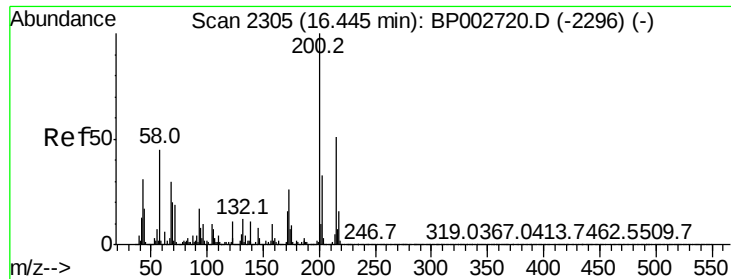
Tot Ion:248 Resp: 32016
Ion Ratio Lower Upper
248 100
250 96.1 76.7 115.1
141 67.9 55.9 83.9



#68
Hexachlorobenzene
Concen: 3.533 ng
RT: 16.27 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion:284 Resp: 36962
Ion Ratio Lower Upper
284 100
142 41.7 26.9 40.3#
249 31.2 24.6 37.0

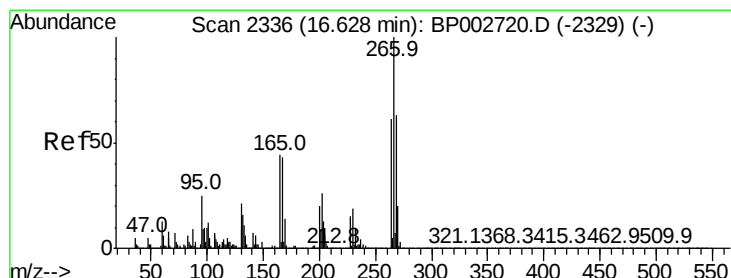
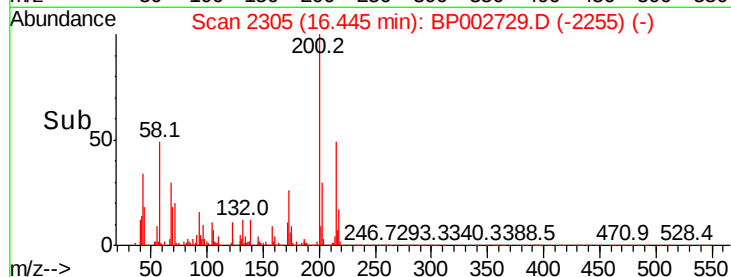
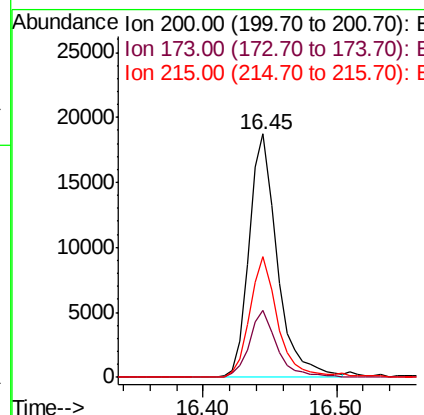
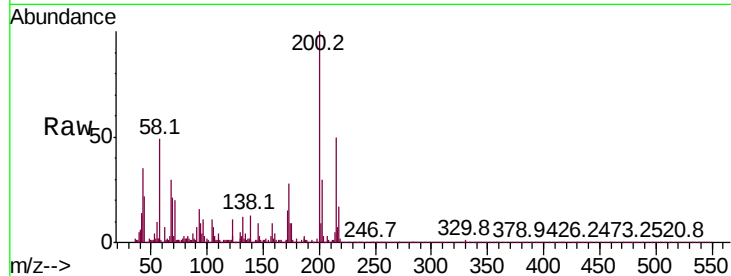




#69
Atrazine
Concen: 3.688 ng
RT: 16.45 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

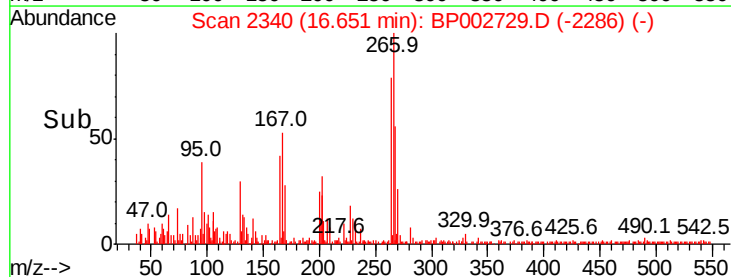
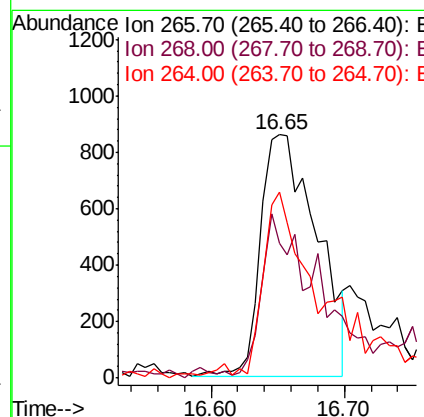
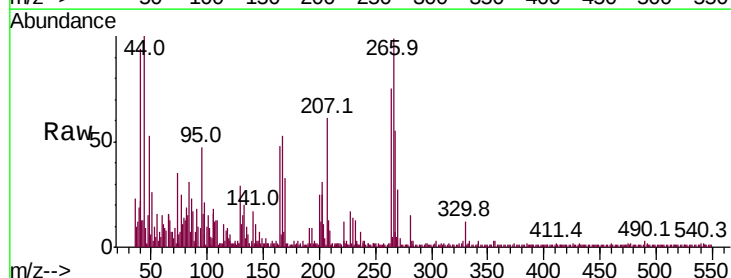
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

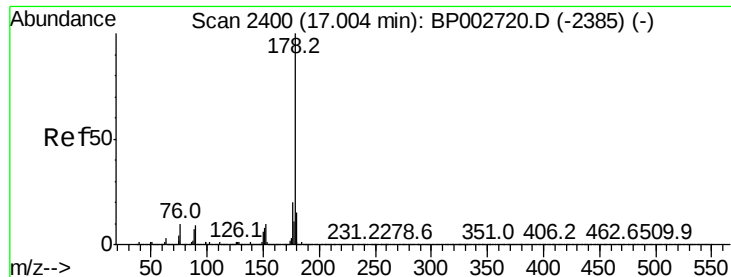
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.5	6.3	46.3
215	49.5	30.6	70.6



#70
Pentachlorophenol
Concen: 7.885 ng
RT: 16.65 min Scan# 2340
Delta R.T. 0.02 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
266	100		
268	55.5	50.6	75.8
264	76.4	48.6	72.8#





#71

Phenanthrene

Concen: 3.734 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

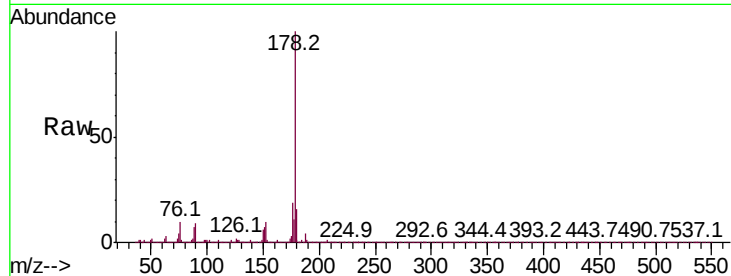
Tot Ion:178 Resp: 184293

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

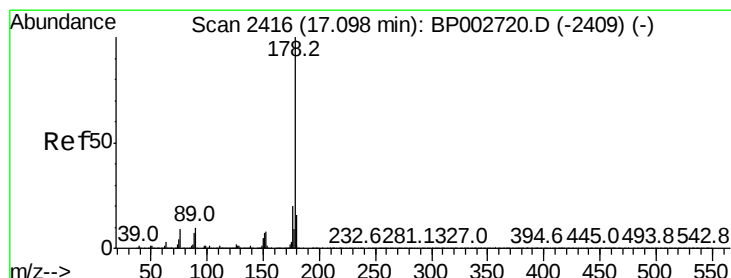
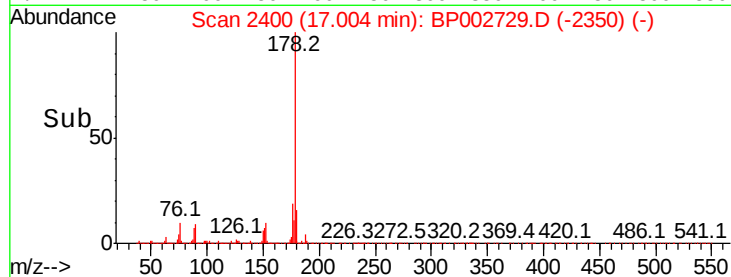
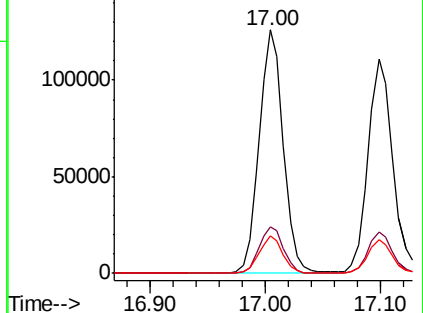
179 15.6 12.3 18.5



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: 3.542 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

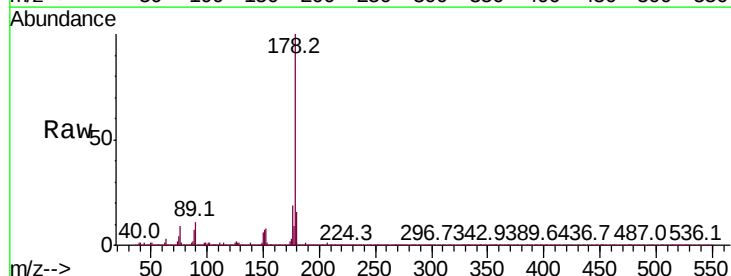
Tgt Ion:178 Resp: 171534

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

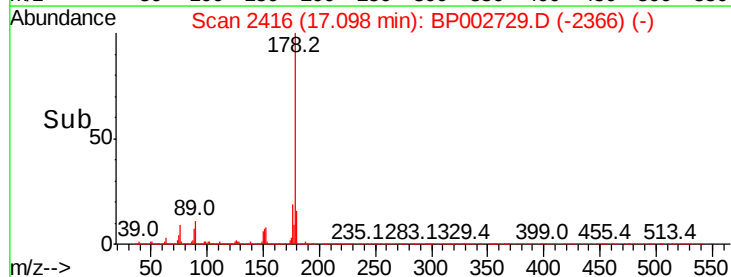
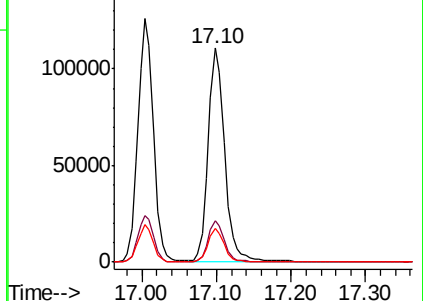
179 15.6 12.6 19.0

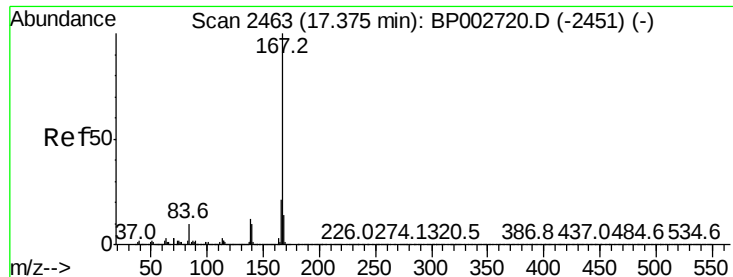


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 3.227 ng

RT: 17.38 min Scan# 2464

Delta R.T. 0.00 min

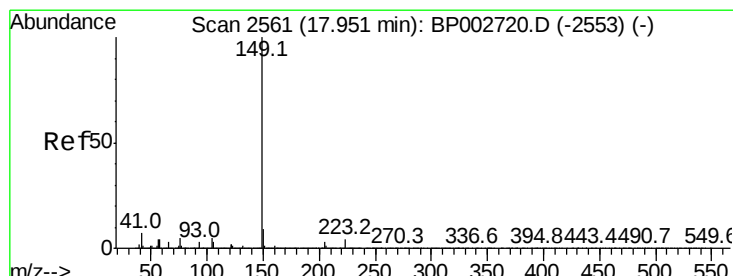
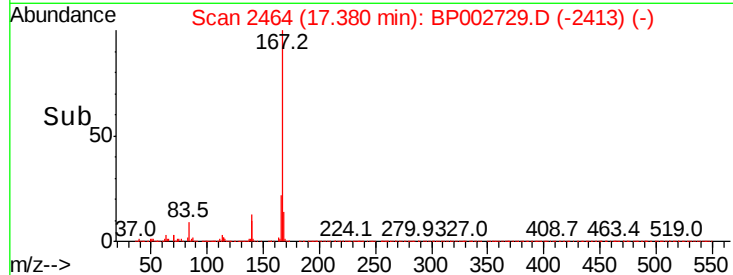
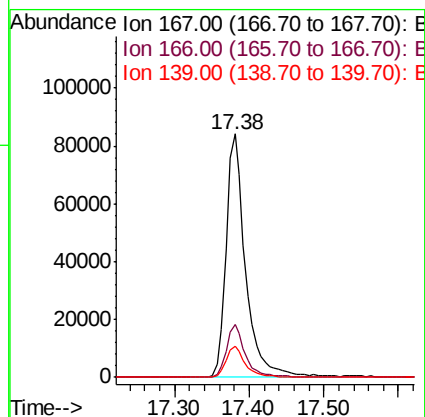
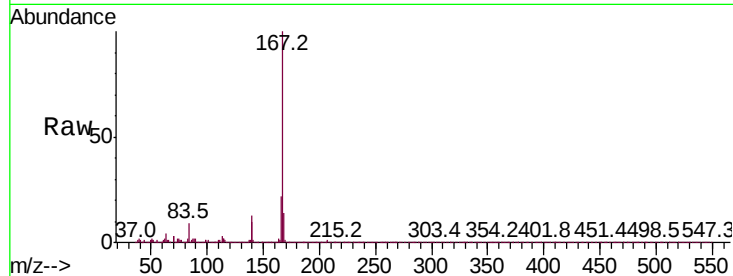
Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:167 Resp: 153353

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.0	9.6	14.4



#74

Di-n-butylphthalate

Concen: 2.828 ng

RT: 17.95 min Scan# 2561

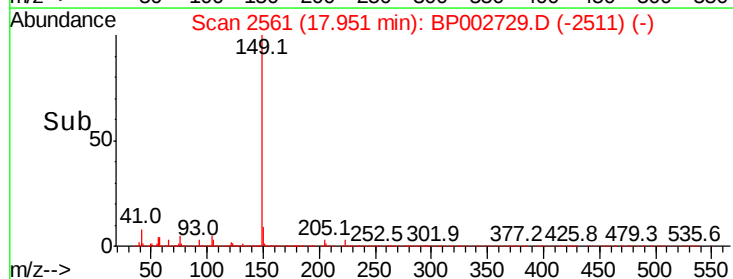
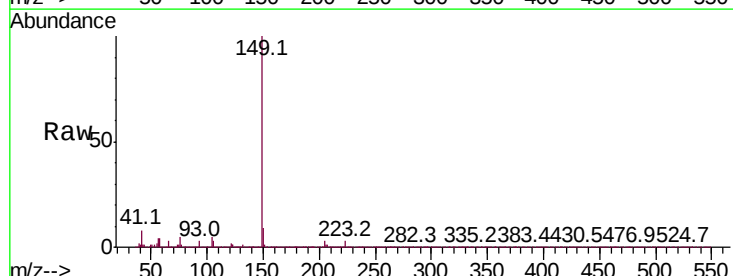
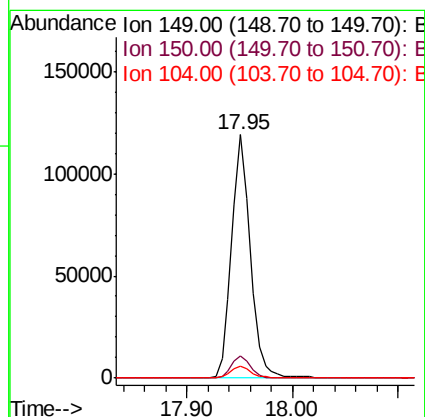
Delta R.T. -0.01 min

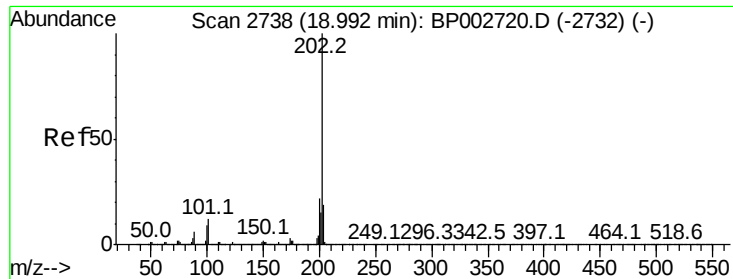
Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:149 Resp: 145771

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.9	4.0	6.0

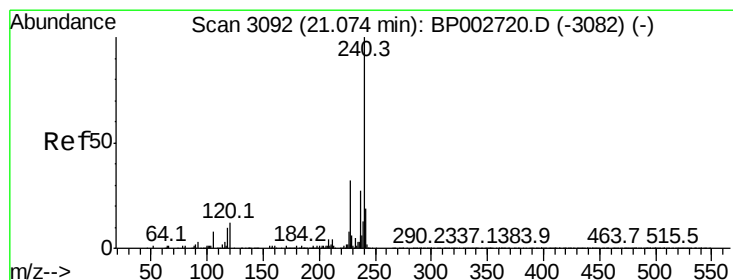
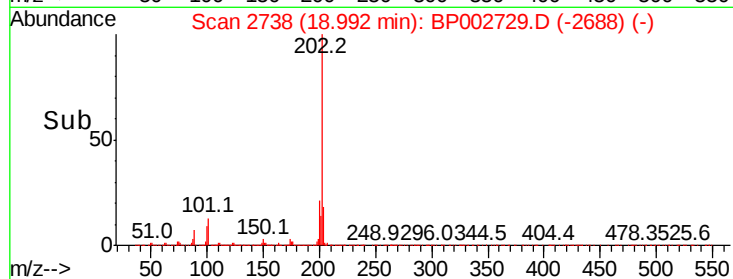
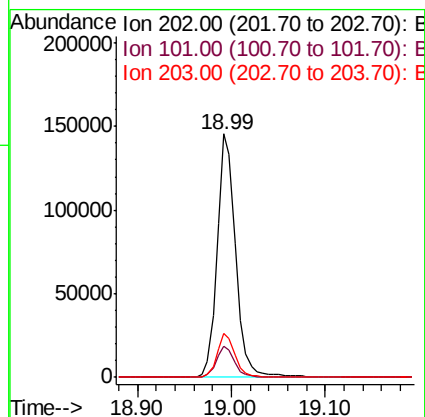
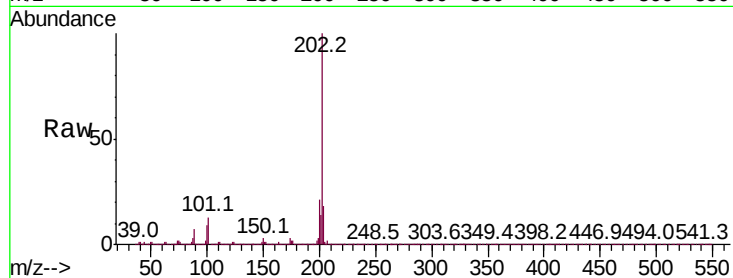




#75
 Fluoranthene
 Concen: 3.519 ng
 RT: 18.99 min Scan# 2738
 Delta R.T. -0.01 min
 Lab File: BP002729.D
 Acq: 13 Jul 2020 11:07

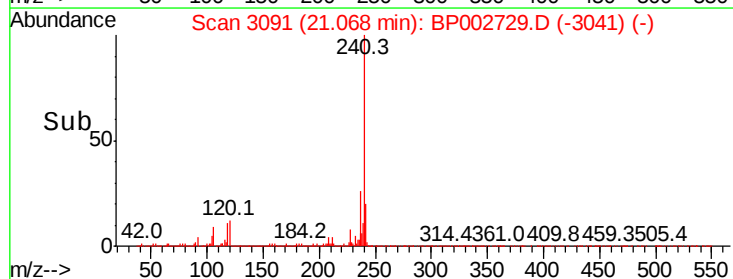
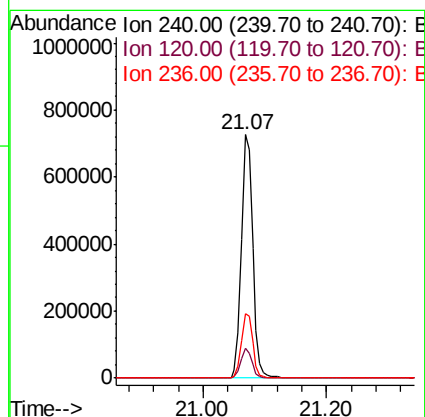
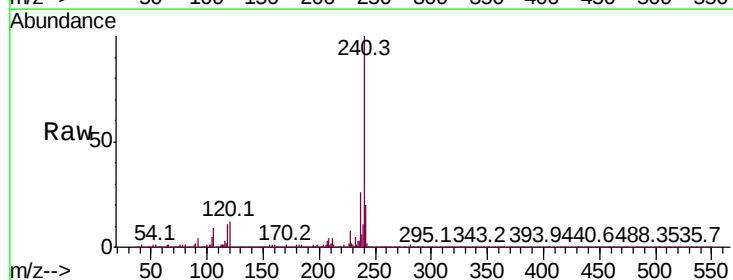
Instrument :
 BNA_P
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

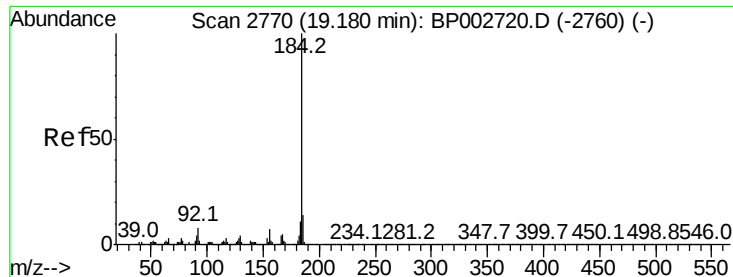
Tot Ion:	202	Resp:	201240
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.5
203	17.9	0.0	38.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.07 min Scan# 3091
 Delta R.T. -0.01 min
 Lab File: BP002729.D
 Acq: 13 Jul 2020 11:07

Tgt Ion:	240	Resp:	922503
Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.4	14.2
236	26.2	21.3	31.9





#77

Benzidine

Concen: 2.290 ng

RT: 19.19 min Scan# 2771

Delta R.T. 0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

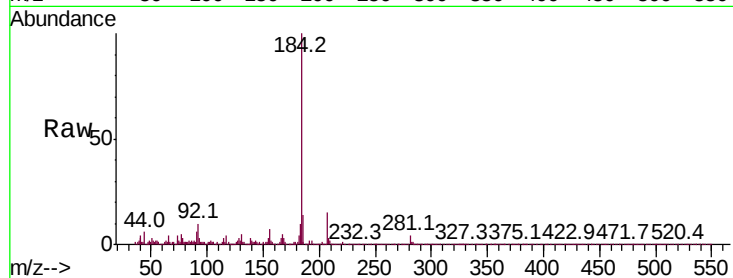
Tot Ion:184 Resp: 52367

Ion Ratio Lower Upper

184 100

185 14.3 11.4 17.2

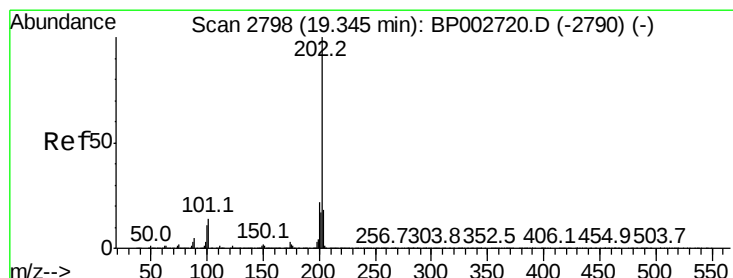
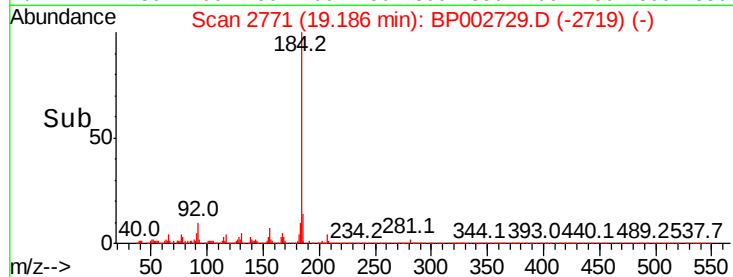
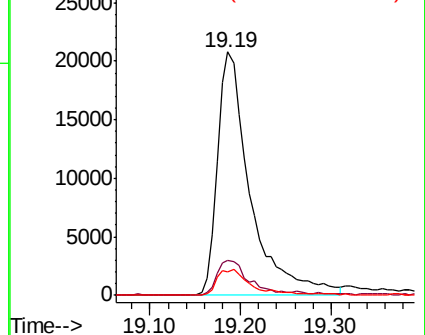
183 9.9 9.0 13.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 3.336 ng

RT: 19.34 min Scan# 2798

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

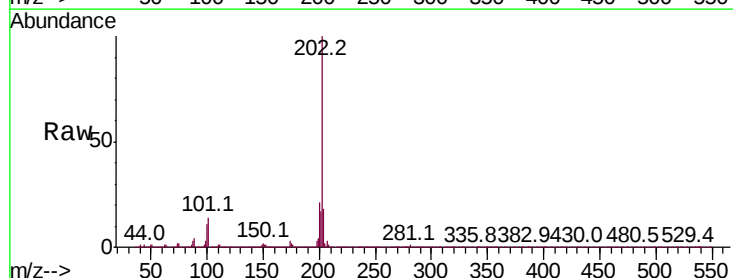
Tgt Ion:202 Resp: 212486

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

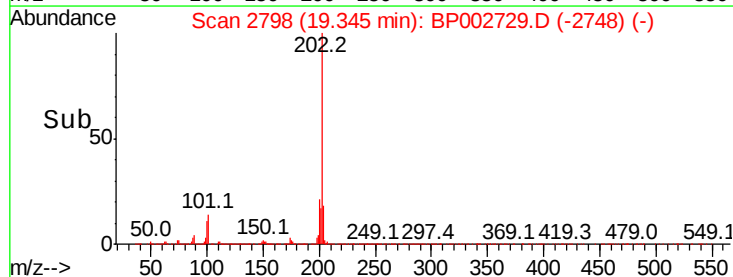
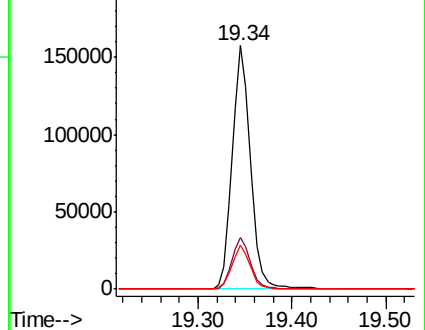
203 17.9 14.5 21.7

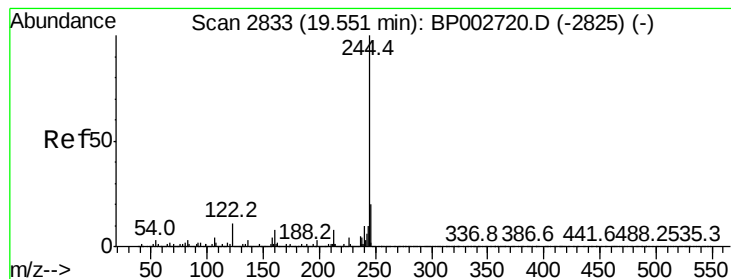


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.399 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

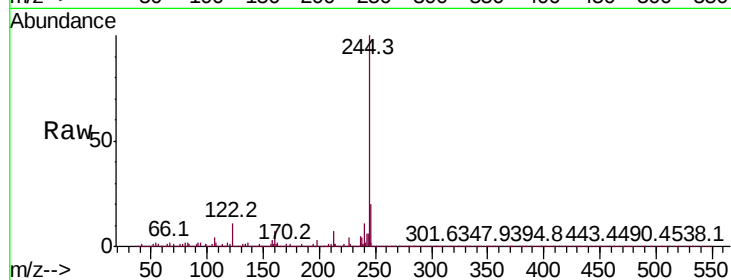
BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:244 Resp: 2470466

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	11.4	8.9	13.3

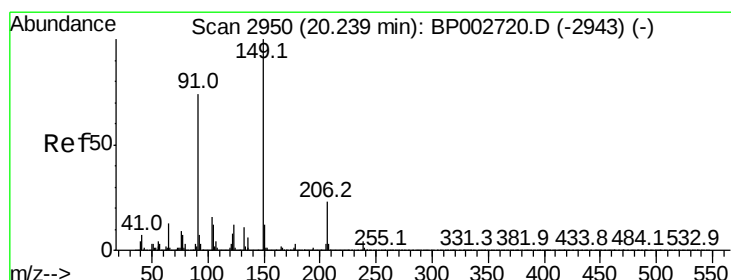
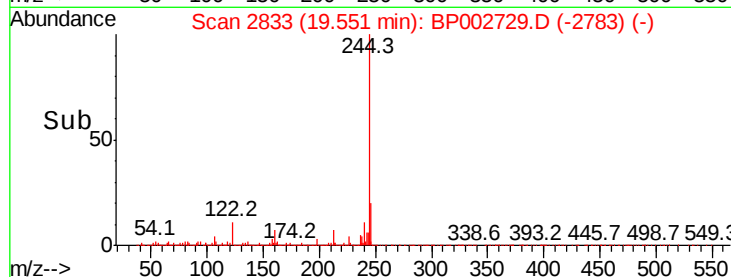
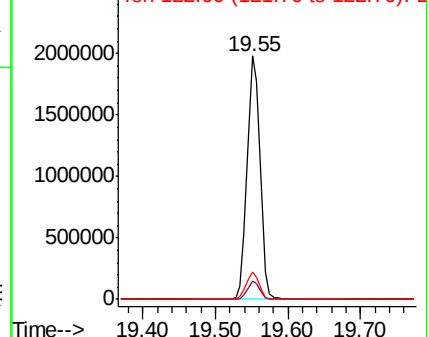


Abundance

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: 2.344 ng

RT: 20.24 min Scan# 2950

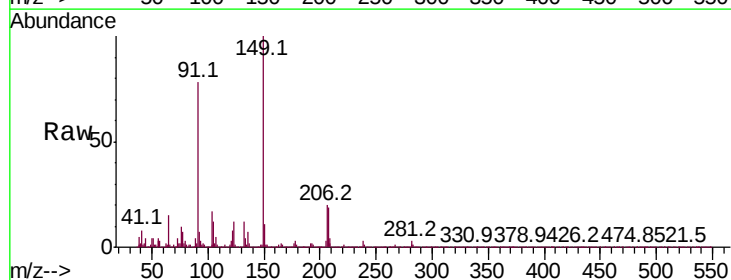
Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:149 Resp: 58904

Ion	Ratio	Lower	Upper
149	100		
91	78.2	59.4	89.2
206	19.5	18.3	27.5

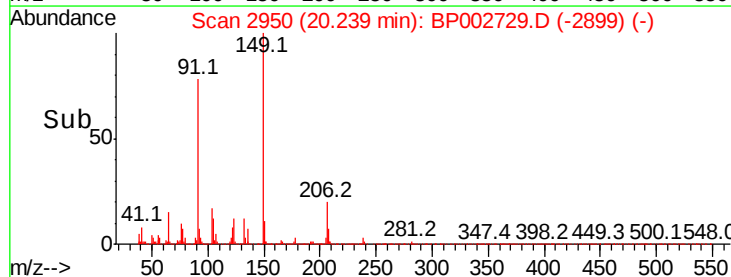
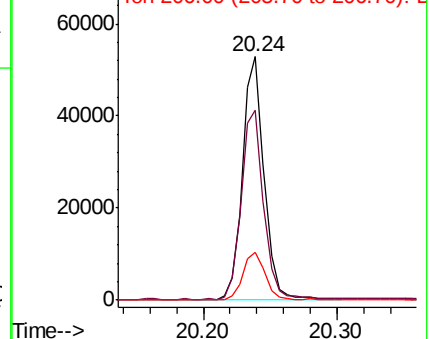


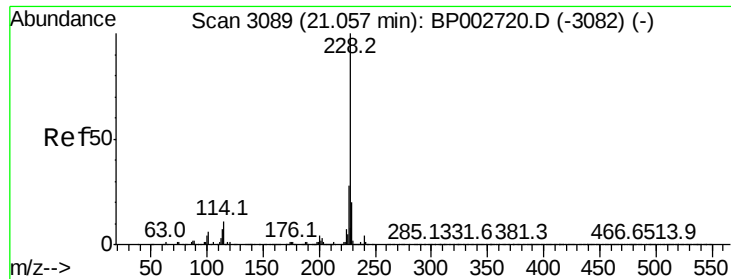
Abundance

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: 3.445 ng

RT: 21.06 min Scan# 3089

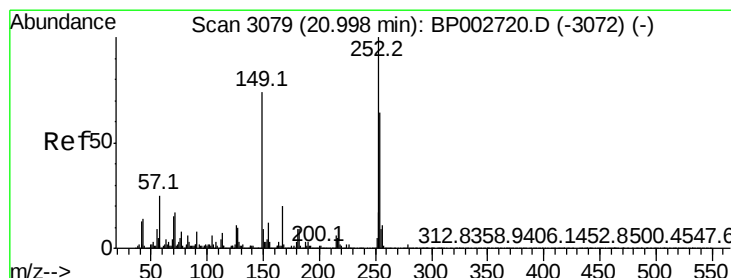
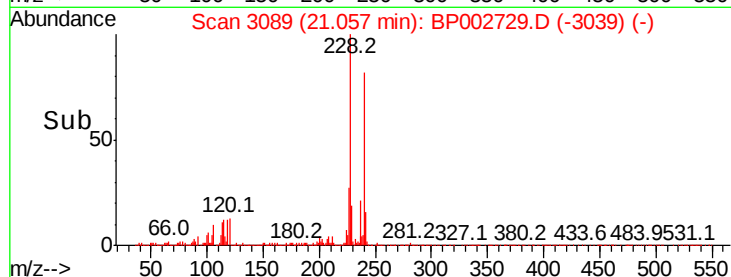
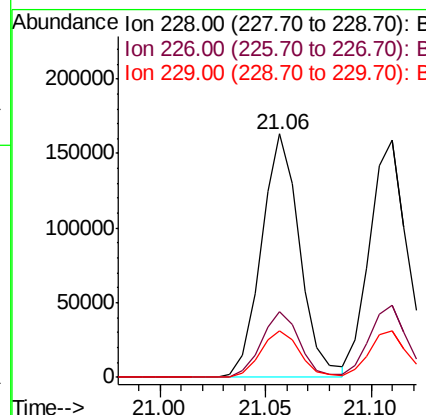
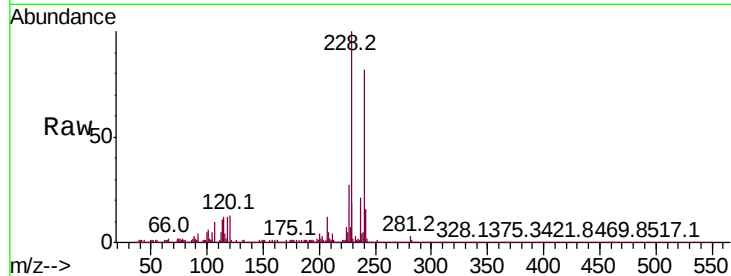
Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:228	Resp:	205727
Ion Ratio	Lower	Upper
228	100	
226	27.1	22.6 34.0
229	19.1	16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 2.925 ng

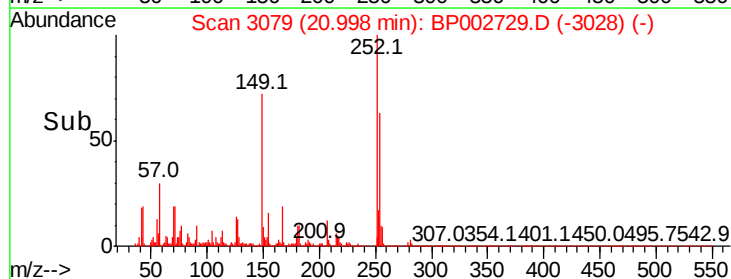
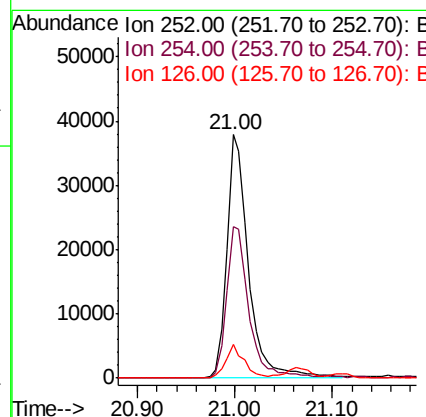
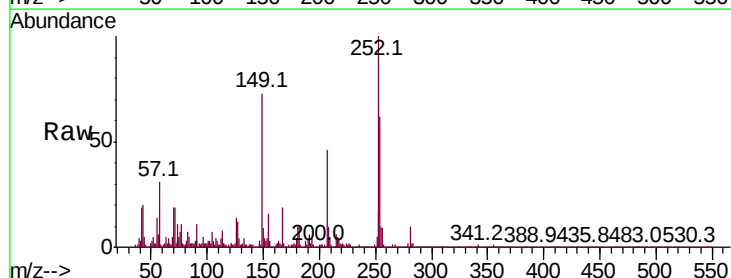
RT: 21.00 min Scan# 3079

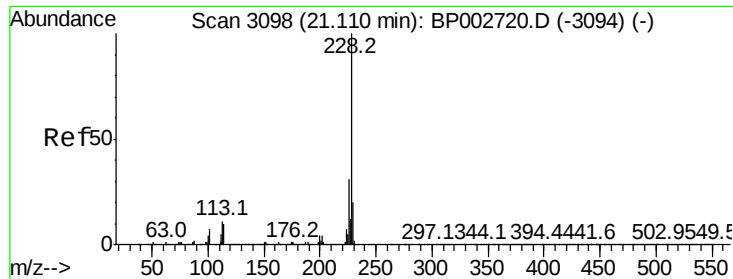
Delta R.T. 0.00 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:252	Resp:	57838
Ion Ratio	Lower	Upper
252	100	
254	62.4	51.0 76.4
126	13.9	8.4 12.6#

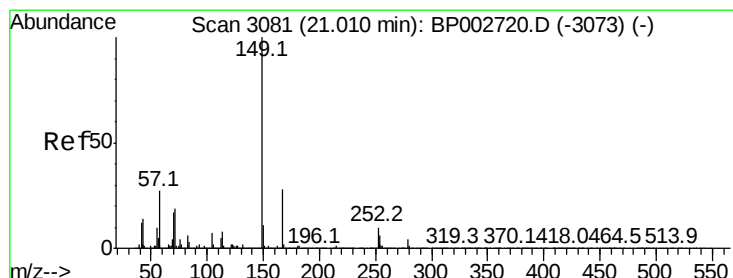
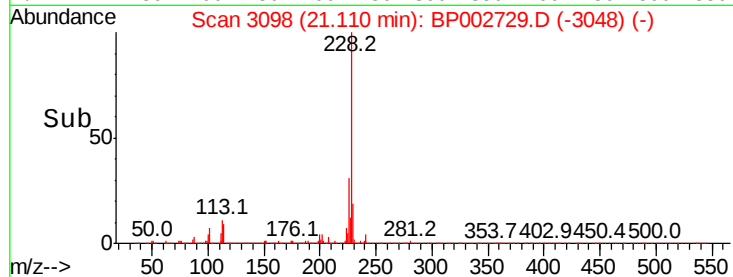
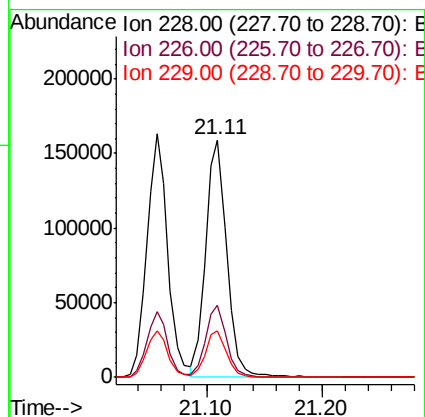
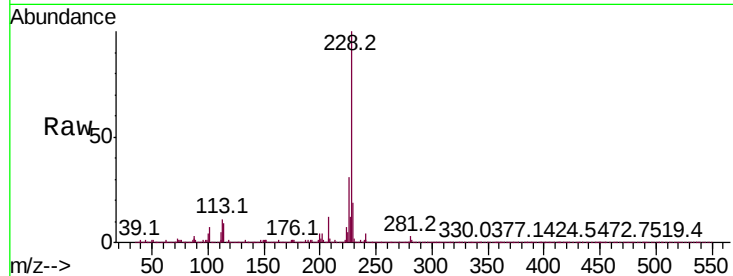




#83
Chrysene
Concen: 3.567 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

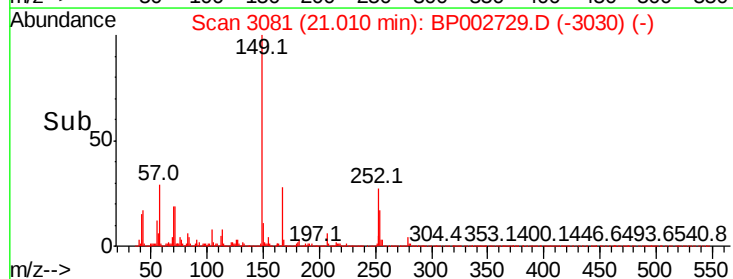
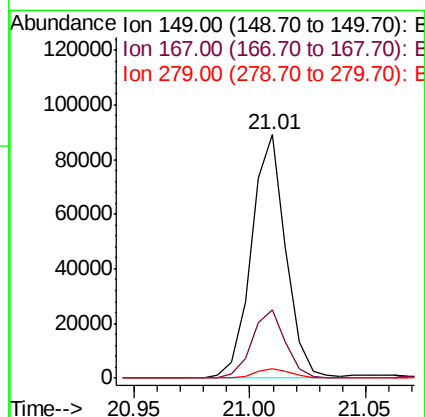
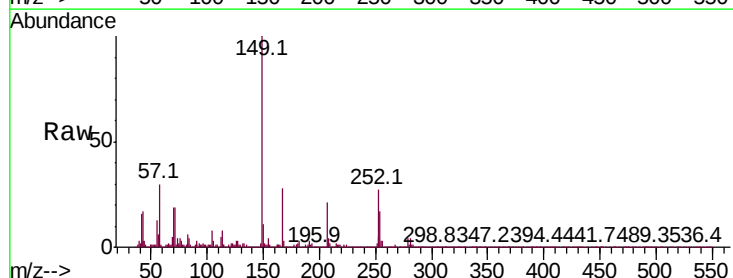
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

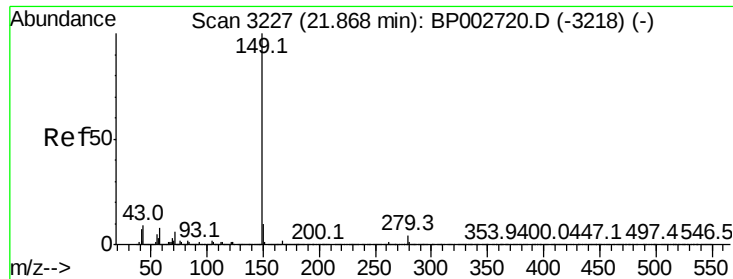
Tot Ion:228 Resp: 202745
Ion Ratio Lower Upper
228 100
226 30.5 24.6 37.0
229 19.3 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.622 ng
RT: 21.01 min Scan# 3081
Delta R.T. 0.00 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion:149 Resp: 91647
Ion Ratio Lower Upper
149 100
167 28.2 22.4 33.6
279 3.8 3.5 5.3

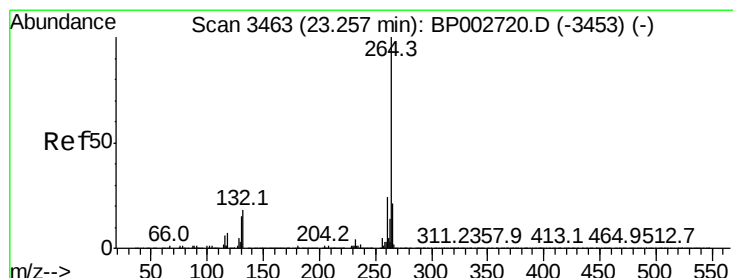
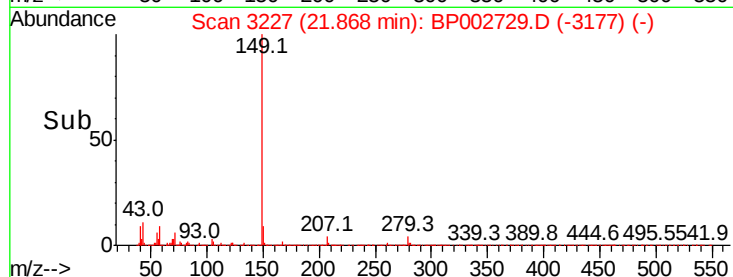
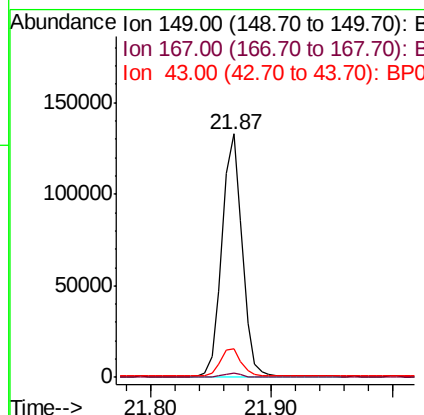
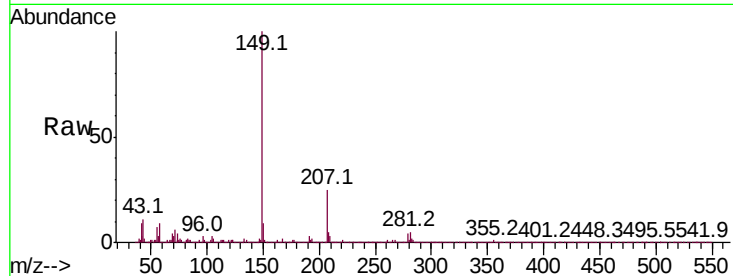




#85
Di-n-octyl phthalate
Concen: 2.415 ng
RT: 21.87 min Scan# 3227
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

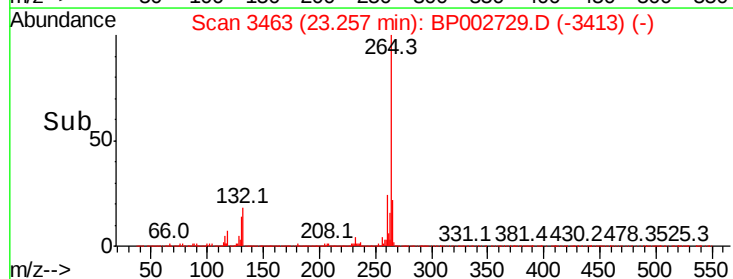
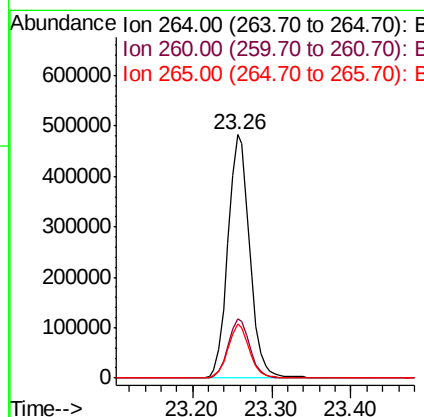
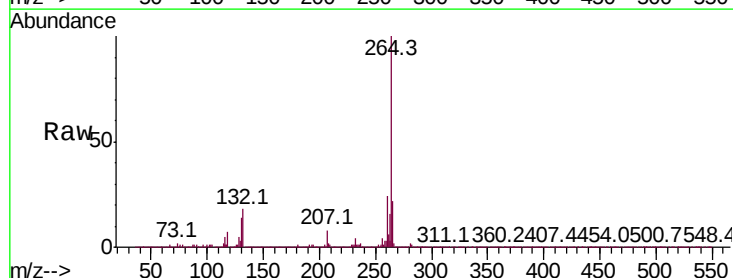
Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

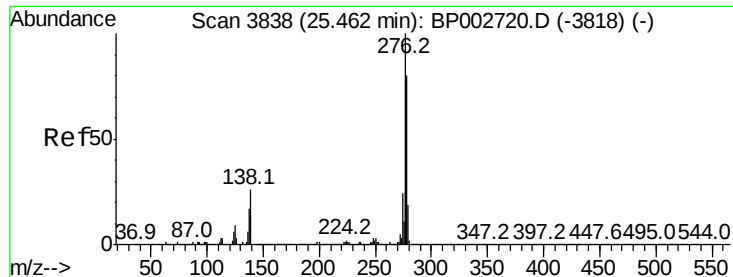
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	12.1	8.2	12.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3463
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	22.3	16.8	25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.380 ng

RT: 25.46 min Scan# 3838

Delta R.T. -0.01 min

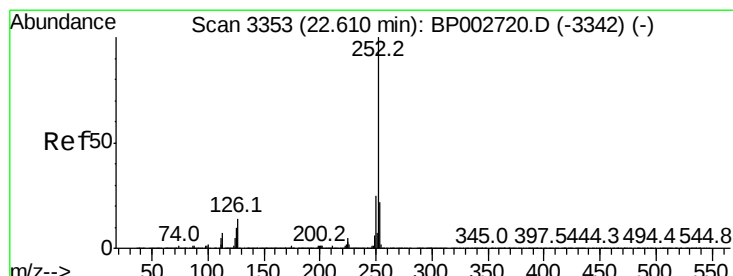
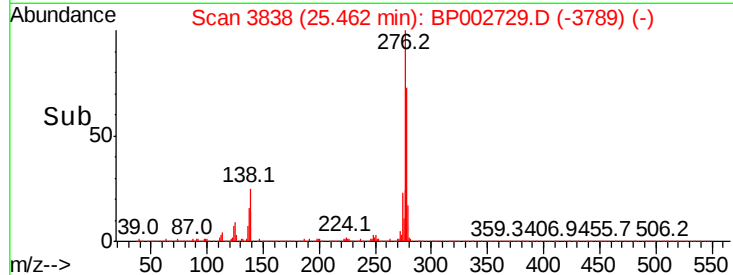
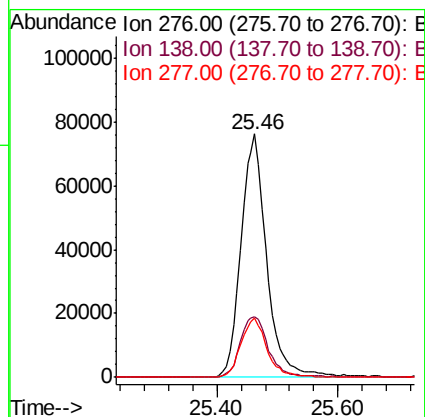
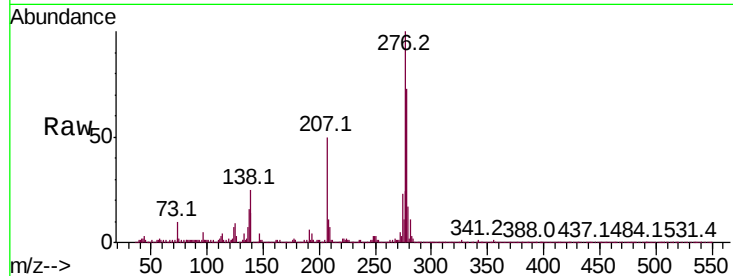
Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:276 Resp: 223614

Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.8	31.2
277	24.8	20.0	30.0



#88

Benzo(b)fluoranthene

Concen: 3.313 ng

RT: 22.61 min Scan# 3353

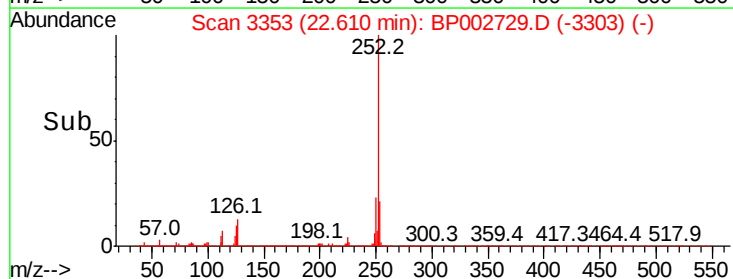
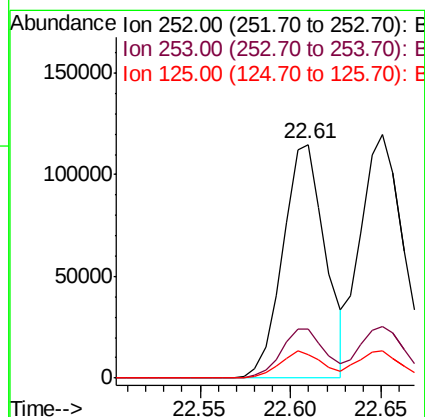
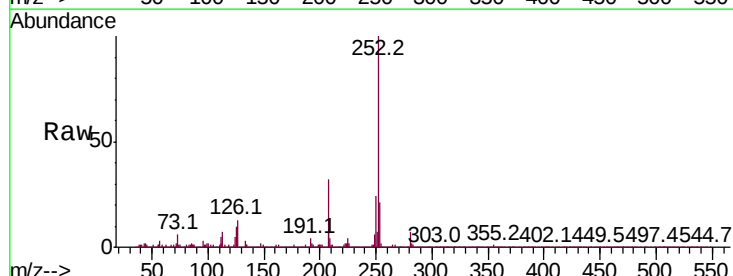
Delta R.T. -0.01 min

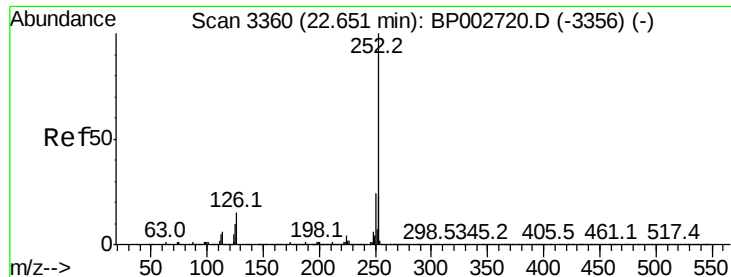
Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Tgt Ion:252 Resp: 188286

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.7	26.5
125	10.2	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 3.623 ng

RT: 22.65 min Scan# 3360

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

Instrument :

BNA_P

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

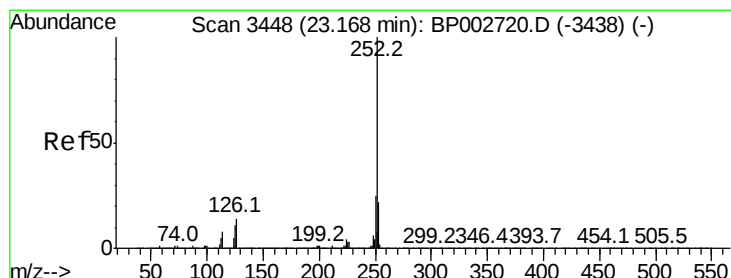
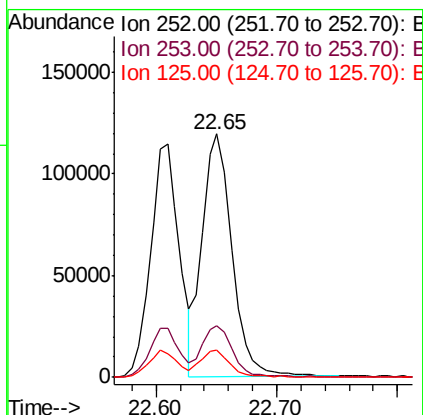
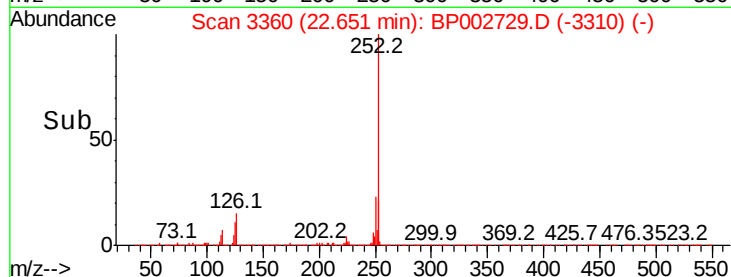
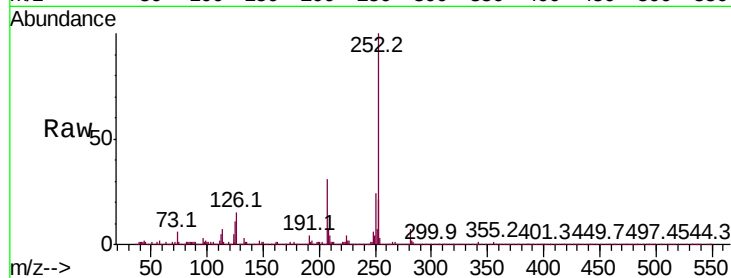
Tot Ion:252 Resp: 202789

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 11.2 8.3 12.5



#90

Benzo(a)pyrene

Concen: 3.206 ng

RT: 23.16 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BP002729.D

Acq: 13 Jul 2020 11:07

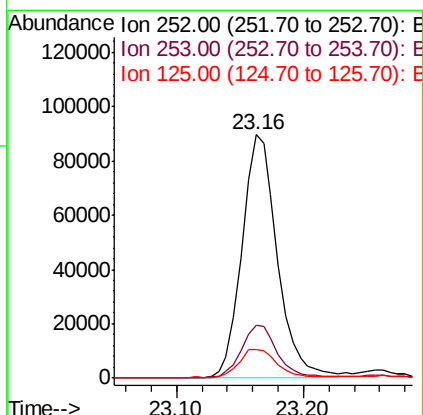
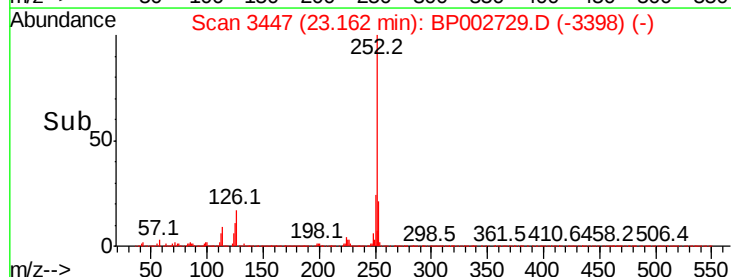
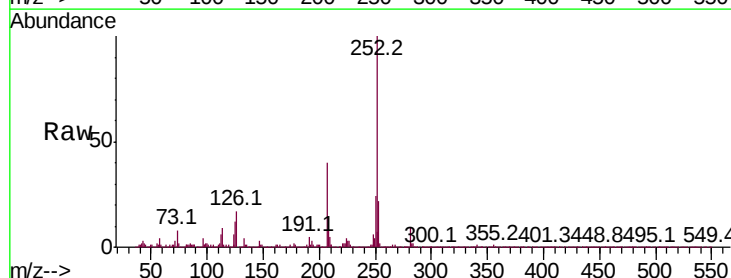
Tgt Ion:252 Resp: 172664

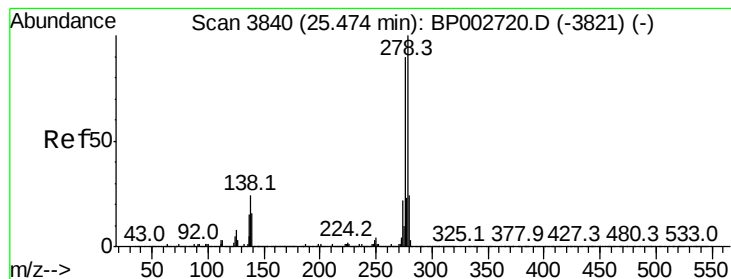
Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 11.6 8.6 13.0

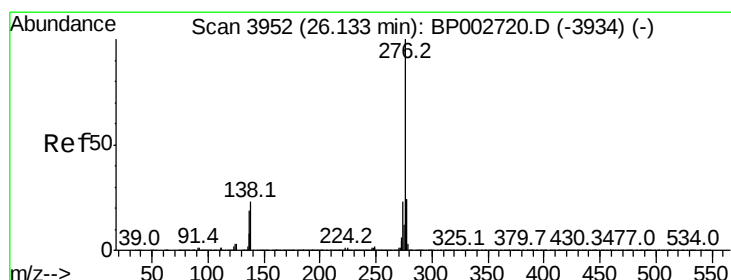
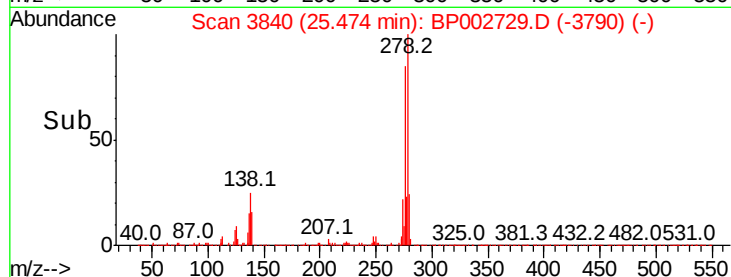
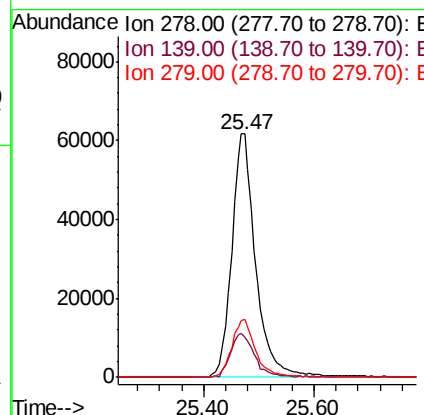
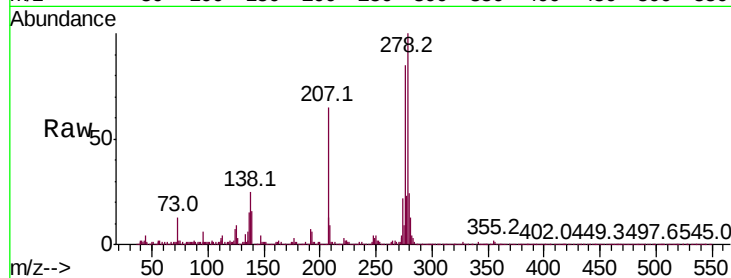




#91
Dibenzo(a,h)anthracene
Concen: 3.504 ng
RT: 25.47 min Scan# 3840
Delta R.T. -0.01 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Instrument :
BNA_P
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.1	19.7
279	23.9	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 3.413 ng
RT: 26.13 min Scan# 3951
Delta R.T. -0.02 min
Lab File: BP002729.D
Acq: 13 Jul 2020 11:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	22.0	18.3	27.5

