

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071420\
 Data File : BP002746.D
 Acq On : 14 Jul 2020 12:59
 Operator : CG/JU
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

Quant Time: Jul 14 13:31:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 14 12:31:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	212564	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	886242	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	562776	20.00	ng	0.00
64) Phenanthrene-d10	16.96	188	1199892	20.00	ng	0.00
76) Chrysene-d12	21.07	240	1150908	20.00	ng	0.00
86) Perylene-d12	23.26	264	1089575	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	1731554	137.44	ng	0.00
7) Phenol-d6	6.76	99	2330920	129.64	ng	0.00
23) Nitrobenzene-d5	8.70	82	1249848	75.43	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	802700	136.64	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	2525421	69.42	ng	0.00
79) Terphenyl-d14	19.55	244	2932452	58.42	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.13	88	26000	4.733	ng	99
3) Pyridine	3.52	79	50319	3.074	ng	93
4) n-Nitrosodimethylamine	3.44	42	23635	3.833	ng	# 96
6) Aniline	6.89	93	87909	3.862	ng	97
8) 2-Chlorophenol	7.12	128	52154	3.721	ng	86
9) Benzaldehyde	6.70	77	52455	5.370	ng	98
10) Phenol	6.78	94	69418	3.769	ng	90
11) bis(2-Chloroethyl)ether	6.99	93	60063	3.921	ng	98
12) 1,3-Dichlorobenzene	7.45	146	60044	3.736	ng	99
13) 1,4-Dichlorobenzene	7.59	146	59731	3.703	ng	97
14) 1,2-Dichlorobenzene	7.90	146	57627	3.705	ng	98
15) Benzyl Alcohol	7.80	79	38521	3.201	ng	96
16) 2,2'-oxybis(1-Chloropropan	8.09	45	83031	3.768	ng	98
17) 2-Methylphenol	8.02	107	43102	3.285	ng	97
18) Hexachloroethane	8.62	117	21155	3.703	ng	98
19) n-Nitroso-di-n-propylamine	8.36	70	42367	3.869	ng	97
20) 3+4-Methylphenols	8.35	107	57554	3.317	ng	93
22) Acetophenone	8.37	105	87503	4.005	ng	99
24) Nitrobenzene	8.74	77	69473	3.871	ng	97
25) Isophorone	9.26	82	117979	3.493	ng	99
26) 2-Nitrophenol	9.45	139	23101	2.980	ng	98
27) 2,4-Dimethylphenol	9.53	122	43217	3.434	ng	97
28) bis(2-Chloroethoxy)methane	9.76	93	78016	3.803	ng	98
29) 2,4-Dichlorophenol	10.00	162	43433	3.131	ng	97
30) 1,2,4-Trichlorobenzene	10.19	180	55892	3.517	ng	97
31) Naphthalene	10.37	128	175401	3.749	ng	99
32) Benzoic acid	9.70	122	2583	0.301	ng	# 82
33) 4-Chloroaniline	10.50	127	65875	3.286	ng	99
34) Hexachlorobutadiene	10.67	225	30984	3.373	ng	100
35) Caprolactam	11.25	113	13015	2.683	ng	98
36) 4-Chloro-3-methylphenol	11.65	107	48212	3.224	ng	100
37) 2-Methylnaphthalene	12.00	142	124034	3.757	ng	98
38) 1-Methylnaphthalene	12.22	142	117994	3.778	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.38	216	63789	3.688	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.36	237	7862	1.263	ng	92
43) 2,4,6-Trichlorophenol	12.63	196	30849	2.787	ng	98
44) 2,4,5-Trichlorophenol	12.72	196	33466	2.606	ng	94
46) 1,1'-Biphenyl	13.03	154	173430	4.134	ng	98
47) 2-Chloronaphthalene	13.06	162	120893	3.548	ng	97
48) 2-Nitroaniline	13.28	65	28489	2.705	ng	89
49) Acenaphthylene	13.92	152	193472	3.601	ng	99
50) Dimethylphthalate	13.67	163	152418	3.551	ng	99
51) 2,6-Dinitrotoluene	13.78	165	28260	3.076	ng	# 82
52) Acenaphthene	14.26	154	119262	3.715	ng	100
53) 3-Nitroaniline	14.12	138	27342	2.660	ng	96
54) 2,4-Dinitrophenol	14.37	184	1101	0.305	ng	# 67
55) Dibenzofuran	14.60	168	191902	3.727	ng	98
56) 4-Nitrophenol	14.50	139	9774	1.363	ng	94
57) 2,4-Dinitrotoluene	14.59	165	33978	2.808	ng	# 83
58) Fluorene	15.26	166	148361	3.894	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.85	232	29710	2.935	ng	99
60) Diethylphthalate	15.05	149	148789	3.576	ng	98
61) 4-Chlorophenyl-phenylether	15.26	204	77024	3.805	ng	99
62) 4-Nitroaniline	15.29	138	25866	2.542	ng	96
63) Azobenzene	15.56	77	161614	3.777	ng	97
65) 4,6-Dinitro-2-methylphenol	15.37	198	10446	1.607	ng	88
66) n-Nitrosodiphenylamine	15.48	169	131610	3.713	ng	98
67) 4-Bromophenyl-phenylether	16.16	248	42376	3.242	ng	94
68) Hexachlorobenzene	16.27	284	48319	3.509	ng	96
69) Atrazine	16.44	200	39025	4.033	ng	94
70) Pentachlorophenol	16.65	266	6382	1.183	ng	91
71) Phenanthrene	17.00	178	245815	3.784	ng	99
72) Anthracene	17.10	178	234822	3.683	ng	98
73) Carbazole	17.37	167	208594	3.334	ng	97
74) Di-n-butylphthalate	17.95	149	224154	3.304	ng	99
75) Fluoranthene	18.99	202	268559	3.568	ng	98
77) Benzidine	19.18	184	79102	2.773	ng	100
78) Pyrene	19.35	202	285497	3.593	ng	99
80) Butylbenzylphthalate	20.23	149	91312	2.912	ng	91
81) Benzo(a)anthracene	21.05	228	269246	3.614	ng	99
82) 3,3'-Dichlorobenzidine	21.00	252	78207	3.170	ng	97
83) Chrysene	21.10	228	261439	3.687	ng	98
84) Bis(2-ethylhexyl)phthalate	21.00	149	143801	3.297	ng	97
85) Di-n-octyl phthalate	21.86	149	227220	2.898	ng	96
87) Indeno(1,2,3-cd)pyrene	25.45	276	238222	3.025	ng	97
88) Benzo(b)fluoranthene	22.60	252	229757	3.396	ng	99
89) Benzo(k)fluoranthene	22.65	252	259761	3.898	ng	98
90) Benzo(a)pyrene	23.16	252	215037	3.354	ng	98
91) Dibenzo(a,h)anthracene	25.46	278	197092	3.103	ng	97
92) Benzo(g,h,i)perylene	26.12	276	197772	3.071	ng	99

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

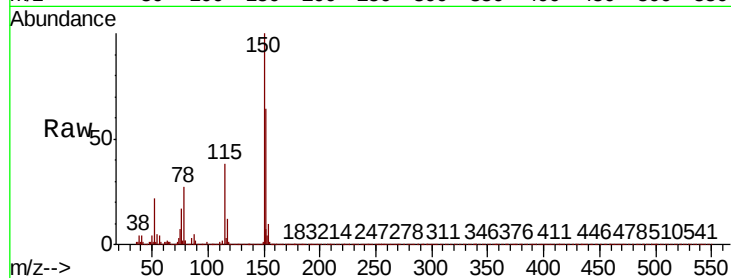


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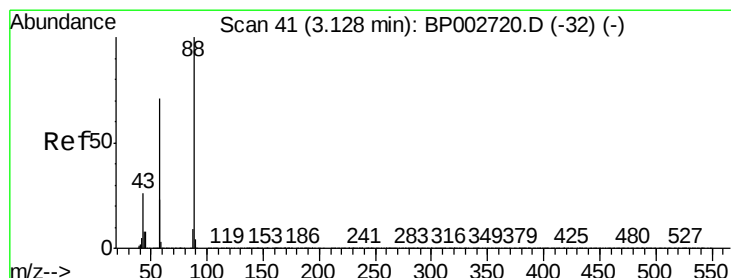
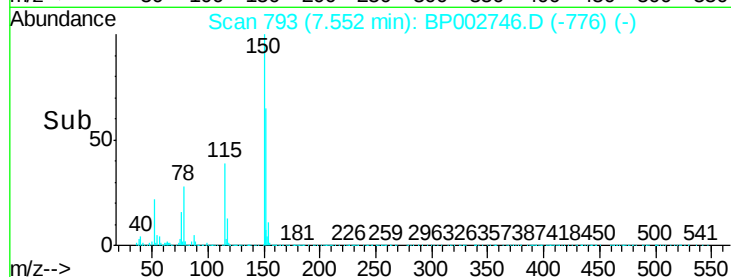
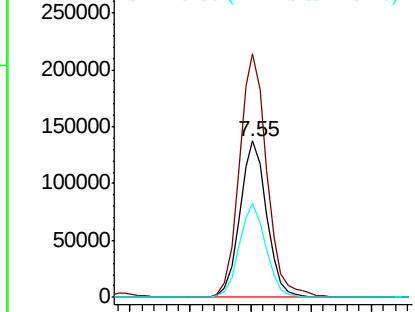
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 793
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.7	185.5
115	59.8	47.2	70.8



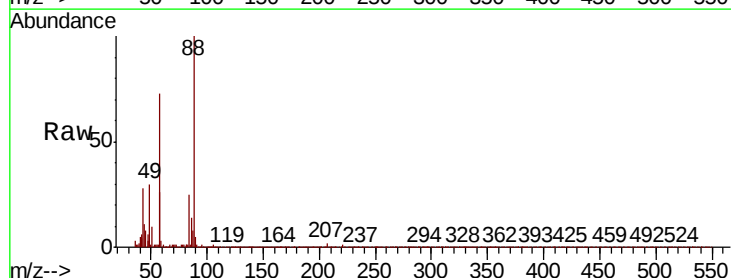
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



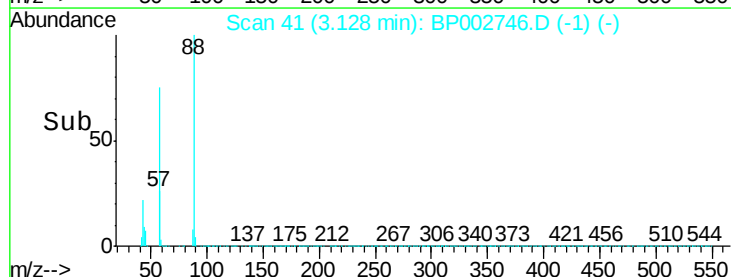
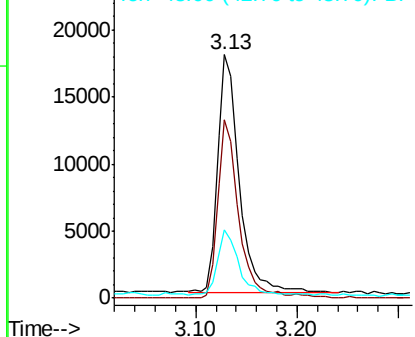
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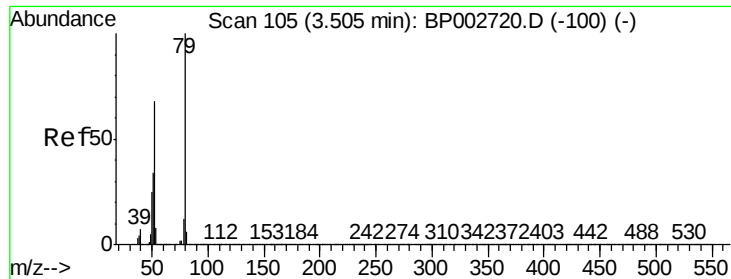
1,4-Dioxane
Concen: 4.733 ng
RT: 3.13 min Scan# 41
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	72.7	58.2	87.4
43	28.4	21.5	32.3



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





#3

Pvridine

Concen: 3.074 ng

RT: 3.52 min Scan# 108

Delta R.T. 0.02 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

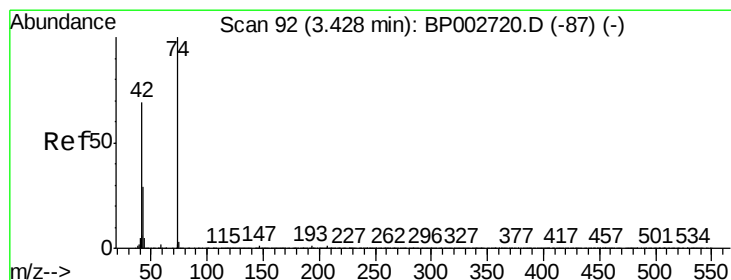
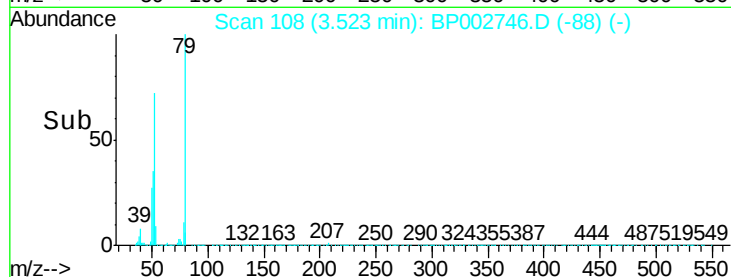
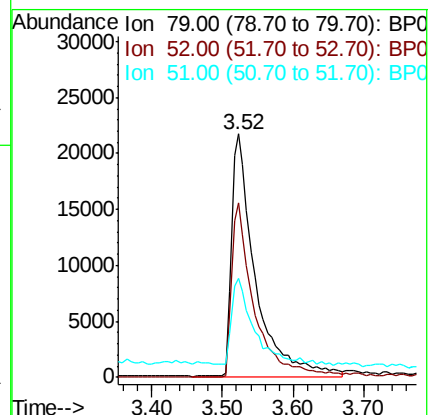
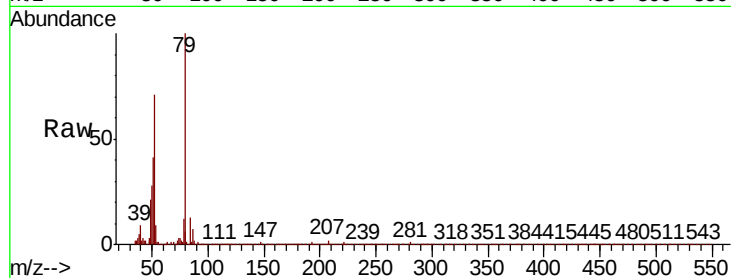
Tot Ion: 79 Resp: 50319

Ion Ratio Lower Upper

79 100

52 71.5 54.2 81.2

51 40.5 27.3 40.9



#4

n-Nitrosodimethylamine

Concen: 3.833 ng

RT: 3.44 min Scan# 94

Delta R.T. 0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

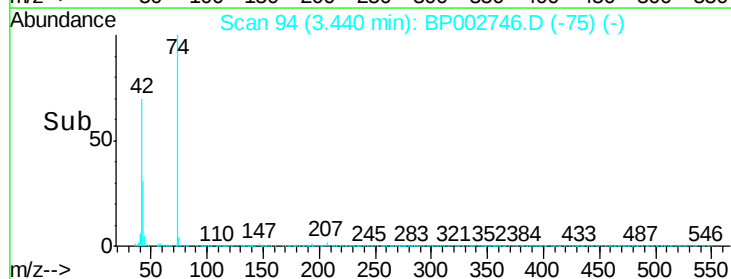
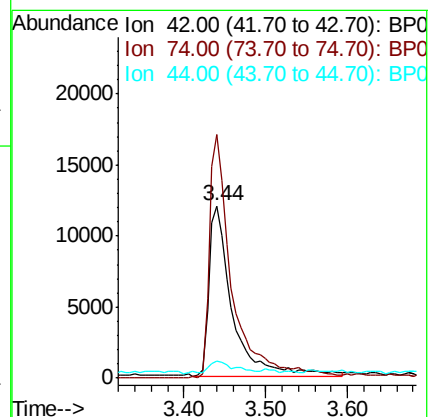
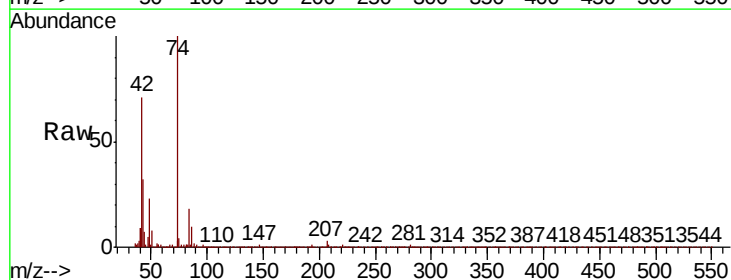
Tgt Ion: 42 Resp: 23635

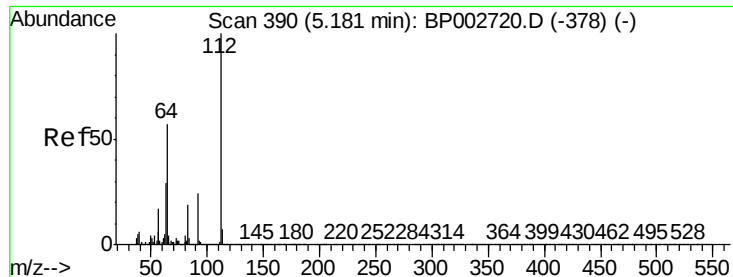
Ion Ratio Lower Upper

42 100

74 141.3 116.3 174.5

44 10.3 5.9 8.9#





#5

2-Fluorophenol

Concen: 137.439 ng

RT: 5.18 min Scan# 389

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

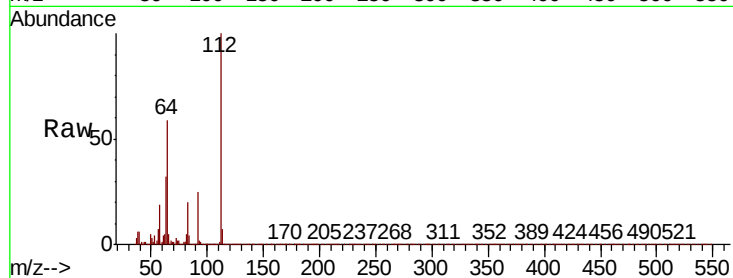
Tot Ion:112 Resp: 1731554

Ion Ratio Lower Upper

112 100

64 58.8 45.6 68.4

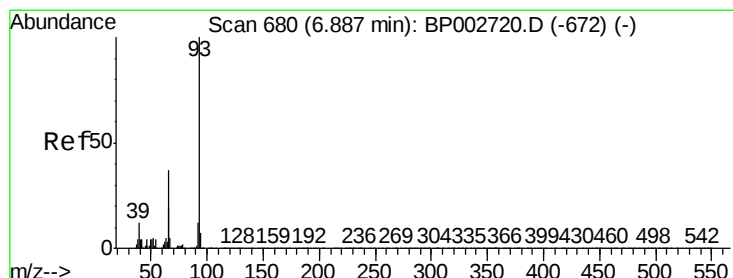
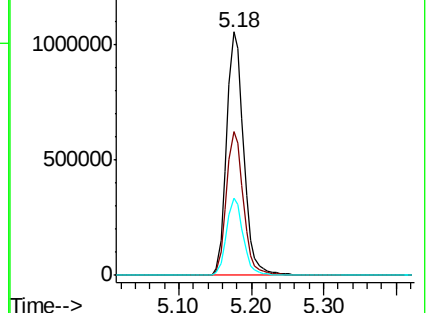
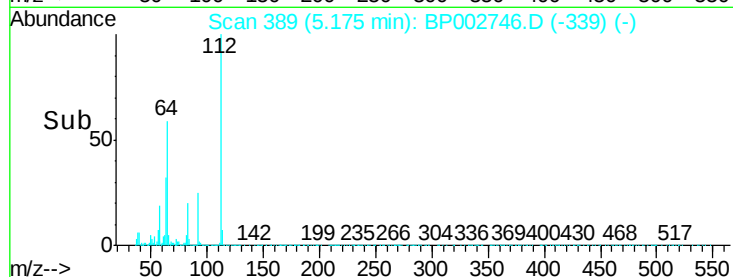
63 31.5 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#6

Aniline

Concen: 3.862 ng

RT: 6.89 min Scan# 680

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

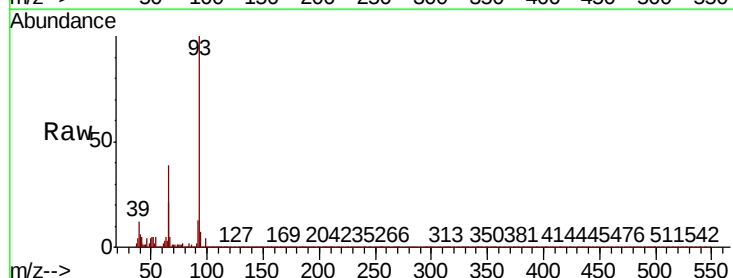
Tgt Ion: 93 Resp: 87909

Ion Ratio Lower Upper

93 100

66 39.4 30.1 45.1

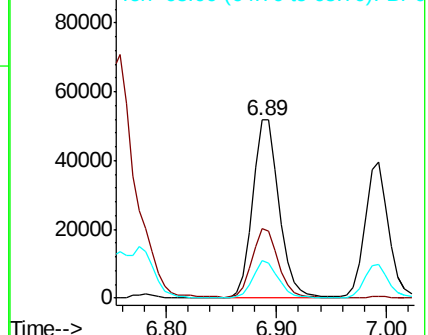
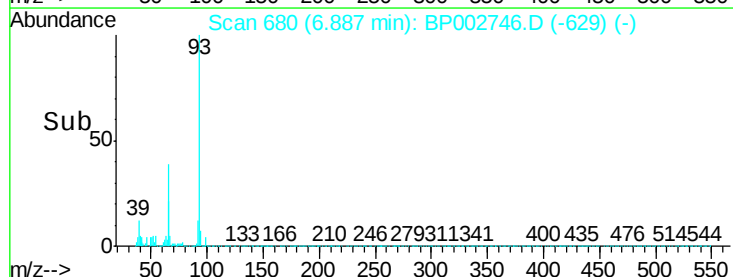
65 21.1 15.4 23.2

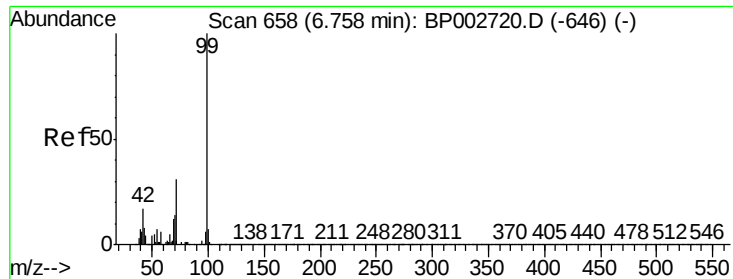


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 129.636 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

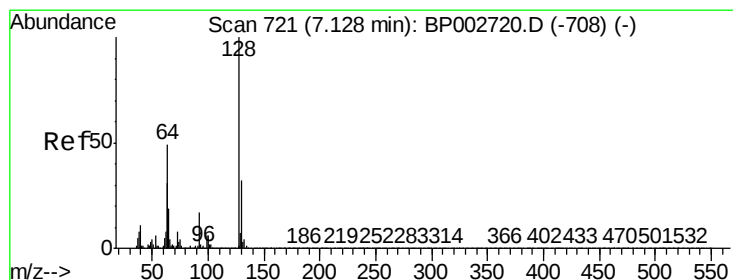
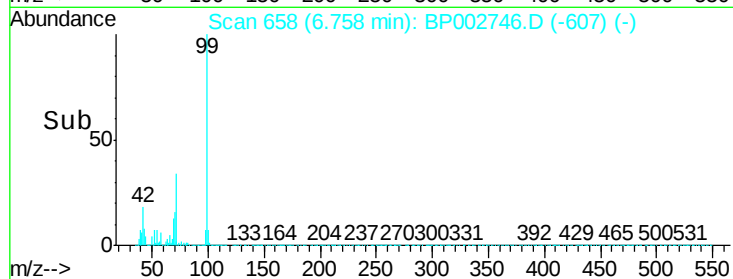
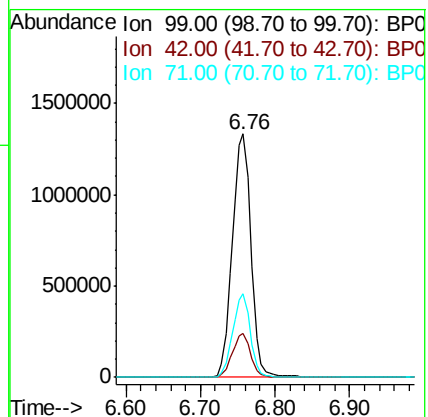
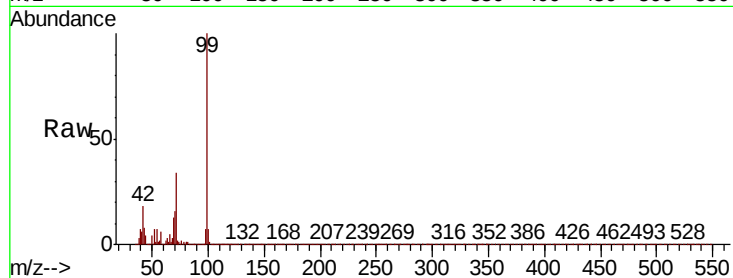
BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 99 Resp: 2330920

Ion	Ratio	Lower	Upper
99	100		
42	18.1	13.4	20.2
71	34.5	24.6	36.8



#8

2-Chlorophenol

Concen: 3.721 ng

RT: 7.12 min Scan# 720

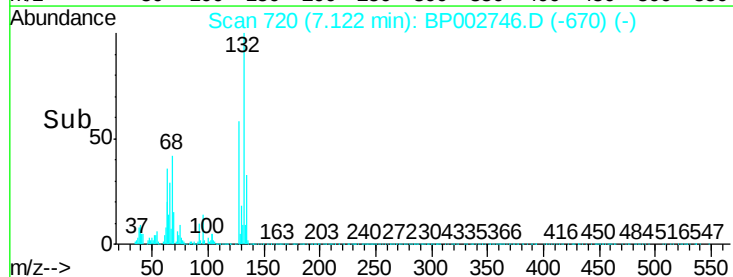
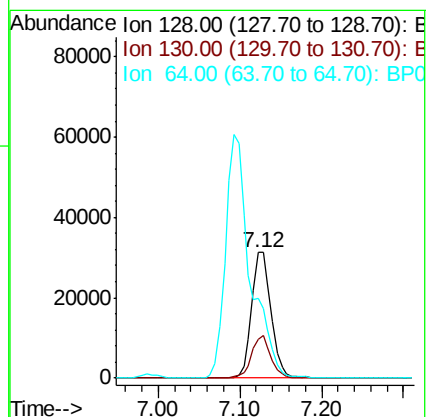
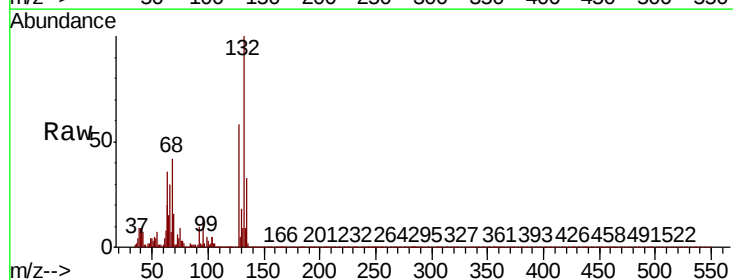
Delta R.T. -0.01 min

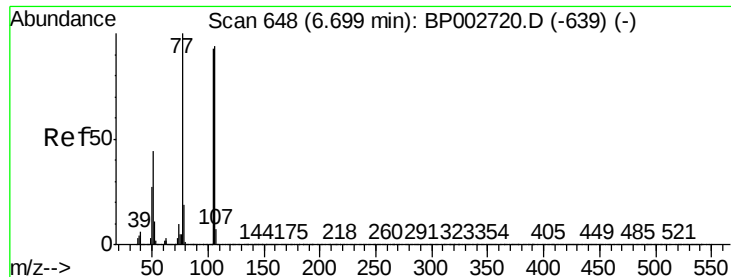
Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Tgt Ion: 128 Resp: 52154

Ion	Ratio	Lower	Upper
128	100		
130	30.9	12.2	52.2
64	63.4	28.8	68.8





#9

Benzaldehyde

Concen: 5.370 ng

RT: 6.70 min Scan# 649

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

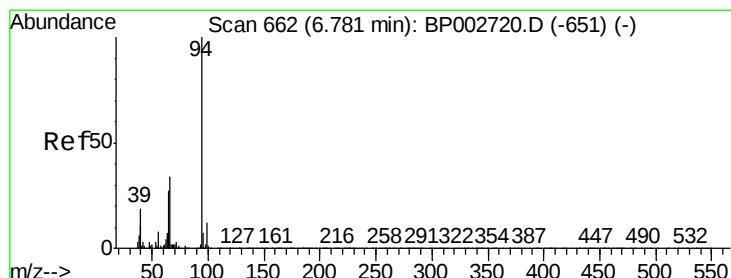
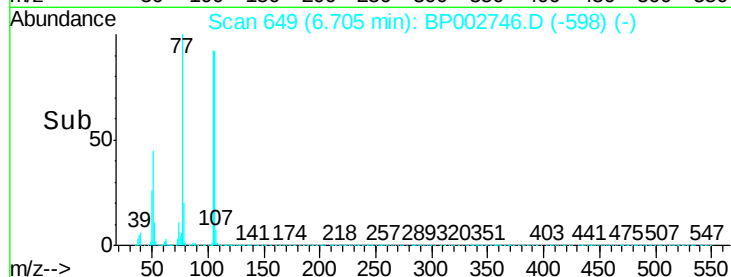
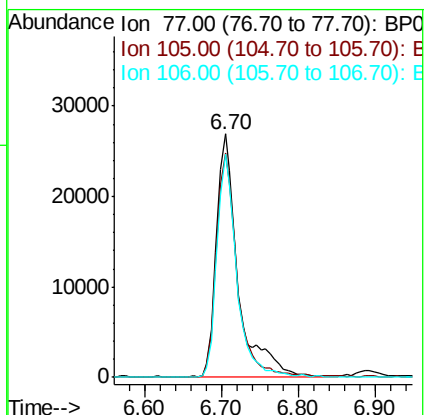
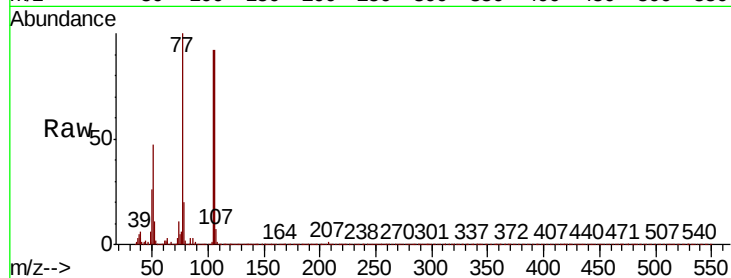
Tot Ion: 77 Resp: 52455

Ion Ratio Lower Upper

77 100

105 92.1 73.2 113.2

106 91.7 73.6 113.6



#10

Phenol

Concen: 3.769 ng

RT: 6.78 min Scan# 662

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

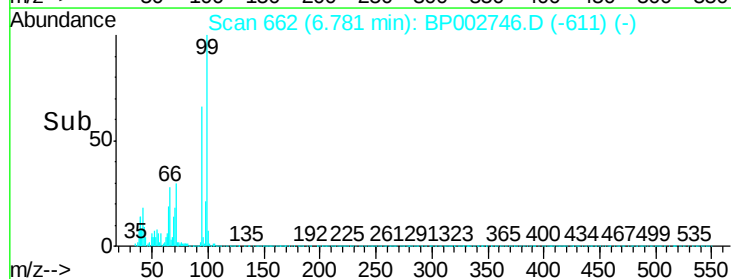
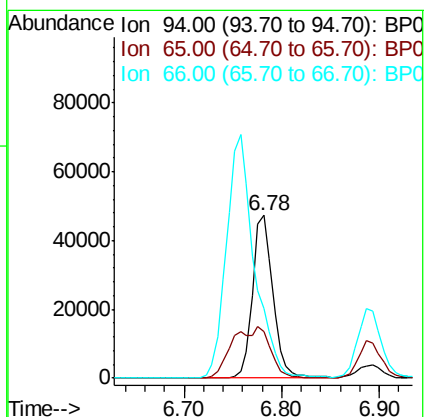
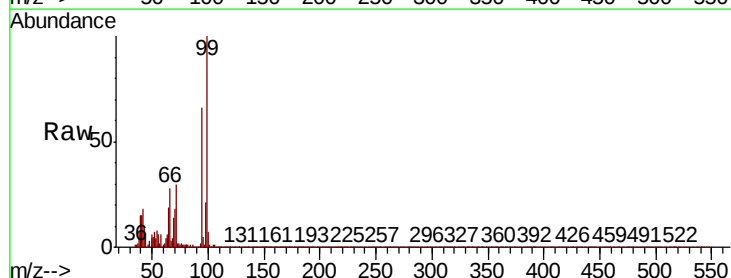
Tgt Ion: 94 Resp: 69418

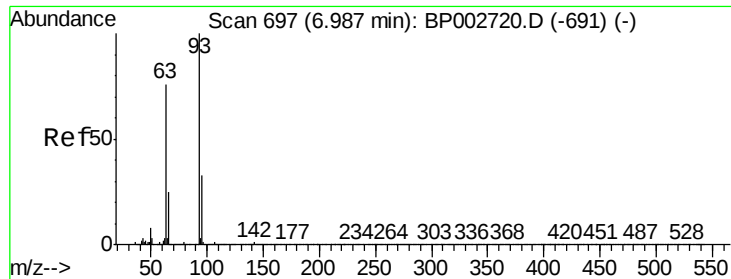
Ion Ratio Lower Upper

94 100

65 28.9 7.0 47.0

66 42.4 13.7 53.7

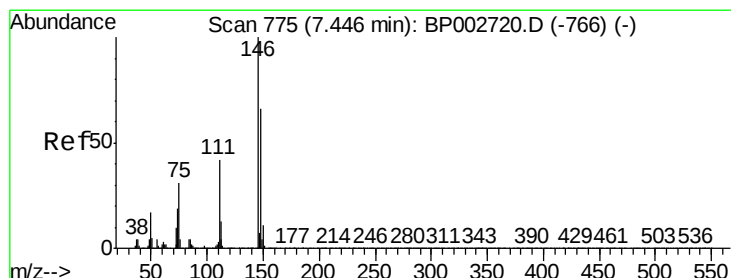
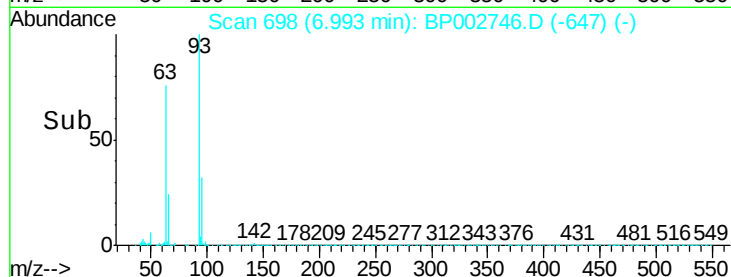
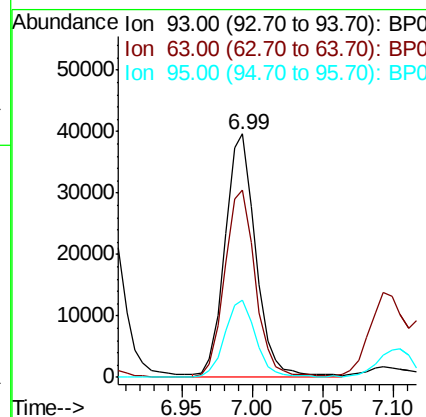
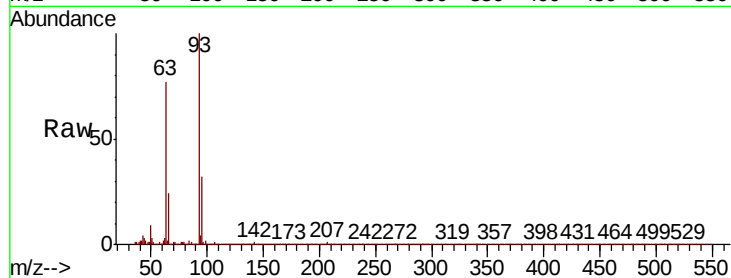




#11
bis(2-Chloroethyl)ether
Concen: 3.921 ng
RT: 6.99 min Scan# 698
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

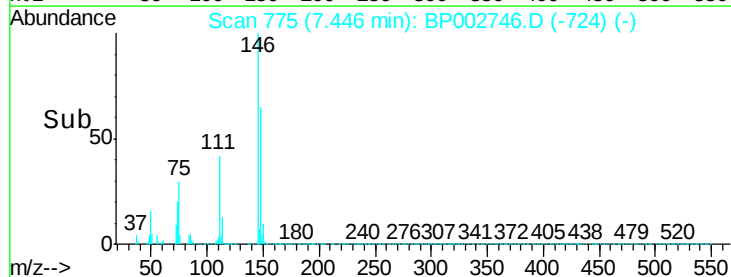
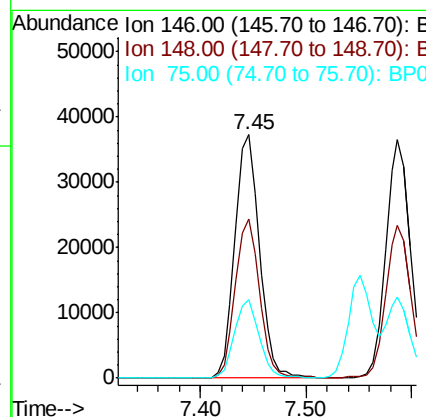
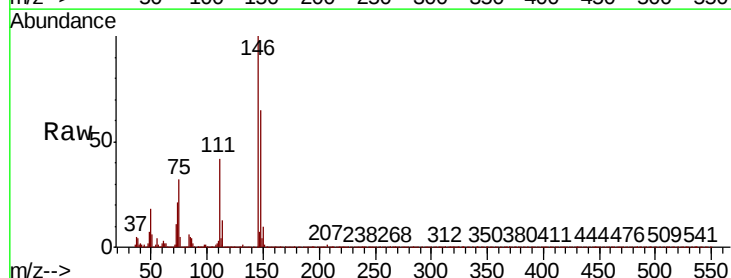
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

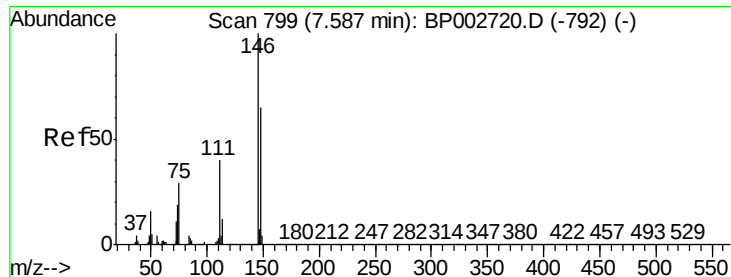
Tot Ion	Ratio	Lower	Upper
93	100		
63	77.0	55.1	95.1
95	31.9	12.7	52.7



#12
1,3-Dichlorobenzene
Concen: 3.736 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.6	78.8
75	32.4	25.2	37.8





#13

1,4-Dichlorobenzene

Concen: 3.703 ng

RT: 7.59 min Scan# 799

Delta R.T. 0.00 min

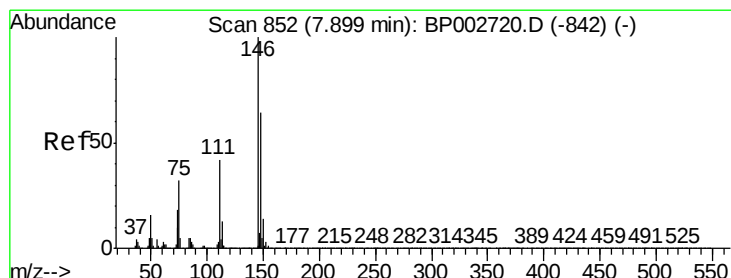
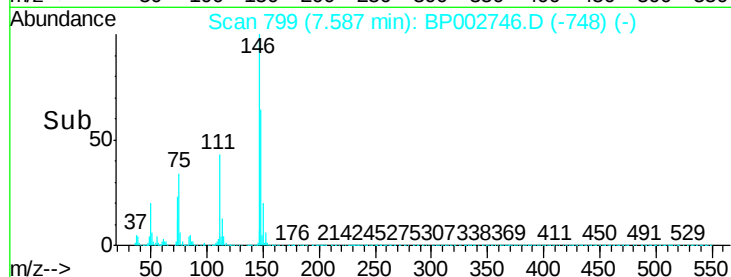
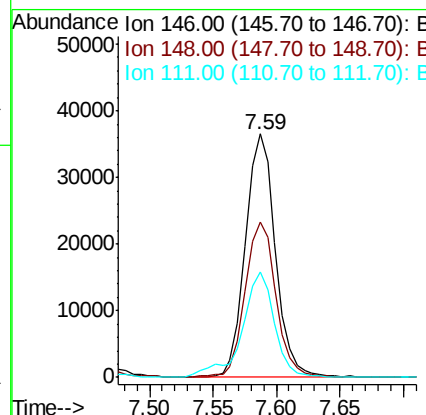
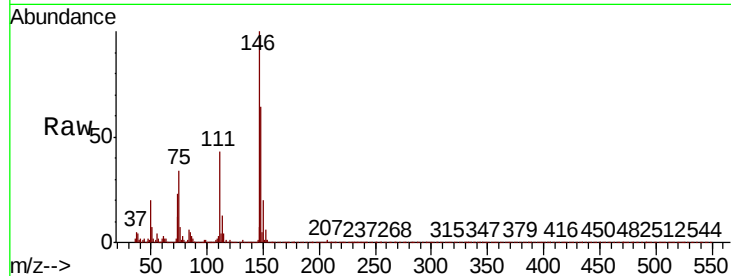
Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:146 Resp: 59731

Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.1	78.1
111	43.2	32.2	48.2



#14

1,2-Dichlorobenzene

Concen: 3.705 ng

RT: 7.90 min Scan# 852

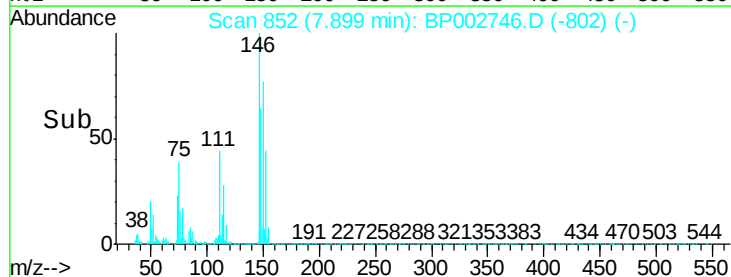
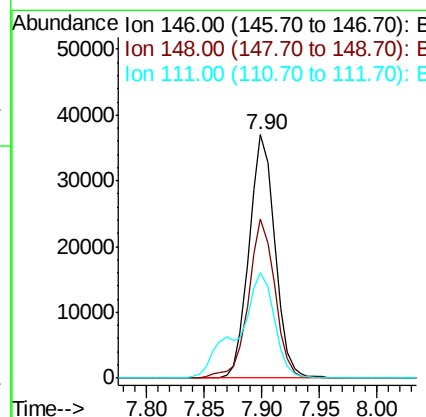
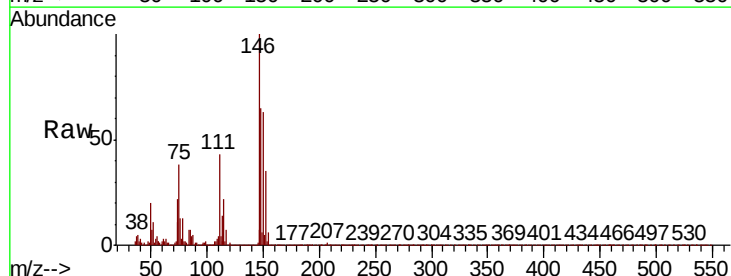
Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Tgt Ion:146 Resp: 57627

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.0	76.6
111	43.5	33.9	50.9





#15

Benzyl Alcohol

Concen: 3.201 ng

RT: 7.80 min Scan# 836

Delta R.T. 0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

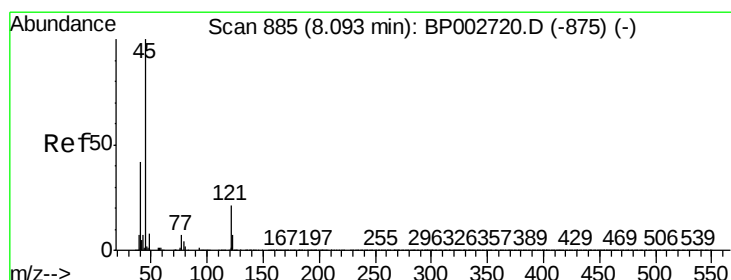
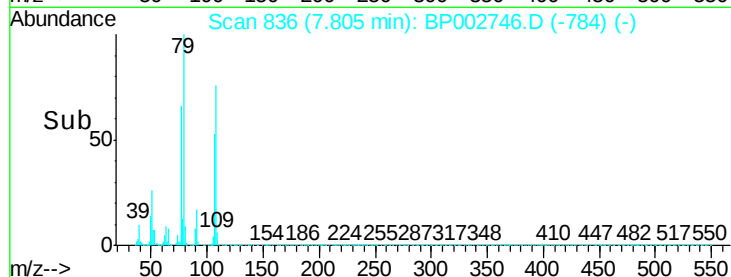
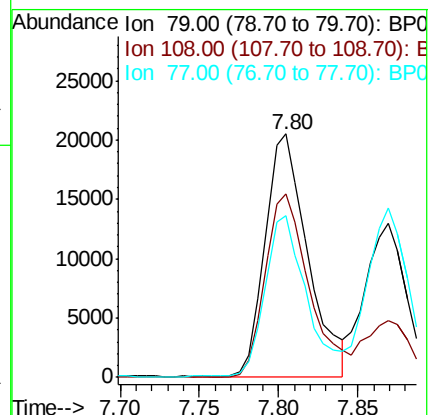
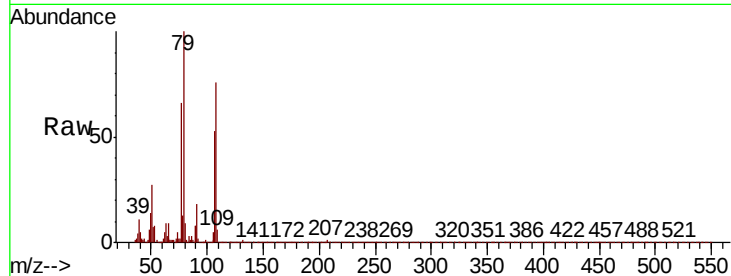
Tot Ion: 79 Resp: 38521

Ion Ratio Lower Upper

79 100

108 75.6 63.1 94.7

77 66.2 50.8 76.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.768 ng

RT: 8.09 min Scan# 884

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

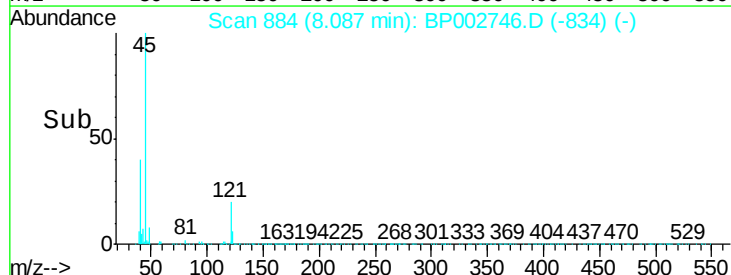
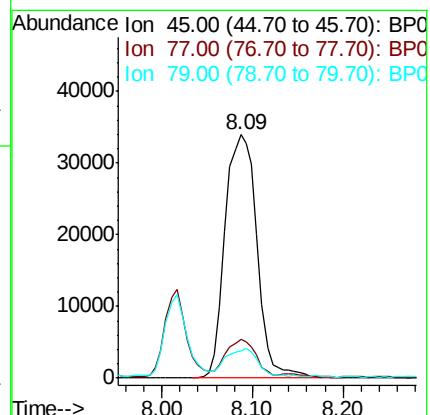
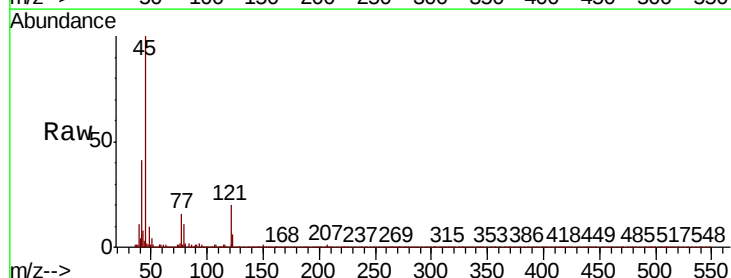
Tgt Ion: 45 Resp: 83031

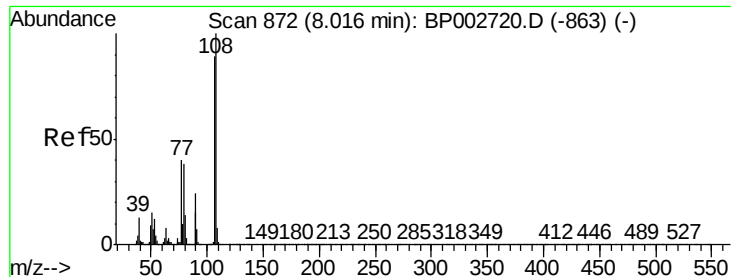
Ion Ratio Lower Upper

45 100

77 15.9 0.0 34.8

79 11.4 0.0 31.6





#17

2-Methylphenol

Concen: 3.285 ng

RT: 8.02 min Scan# 872

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:107 Resp: 43102

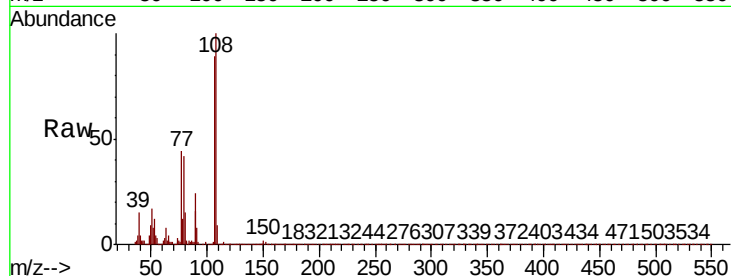
Ion Ratio Lower Upper

107 100

108 112.8 89.9 134.9

77 50.1 36.6 54.8

79 47.4 34.9 52.3

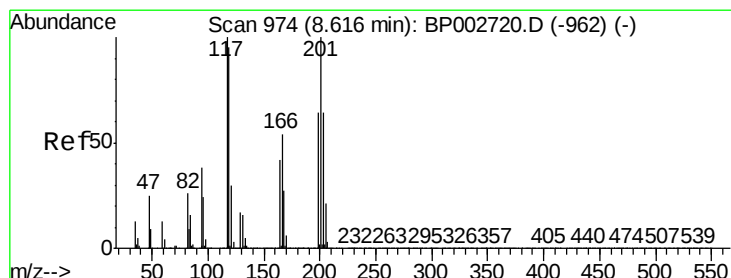
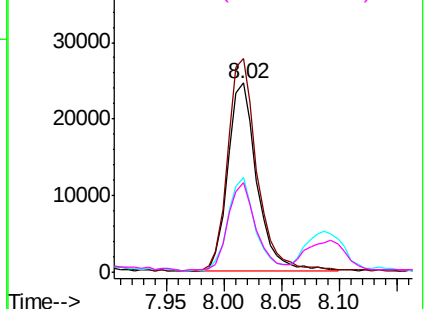
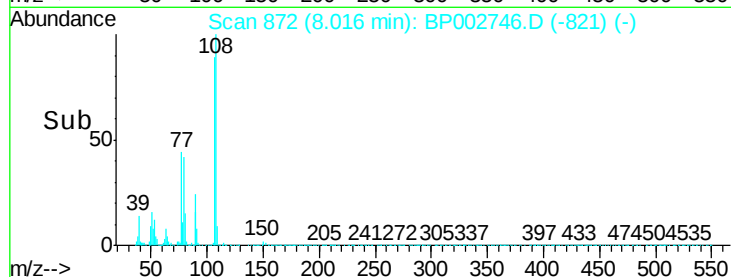


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#18

Hexachloroethane

Concen: 3.703 ng

RT: 8.62 min Scan# 974

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

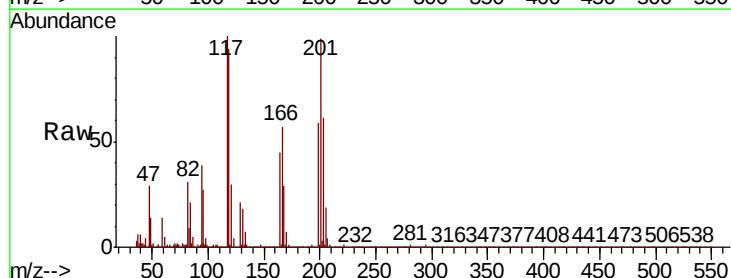
Tgt Ion:117 Resp: 21155

Ion Ratio Lower Upper

117 100

119 93.5 76.6 115.0

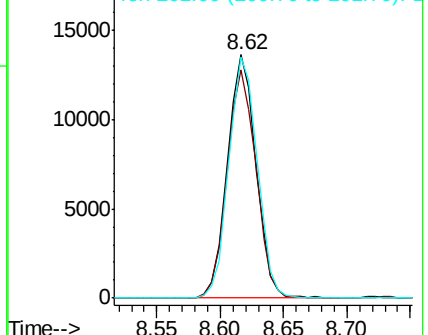
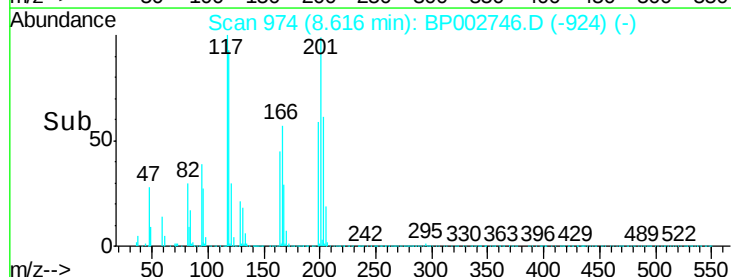
201 99.2 80.3 120.5

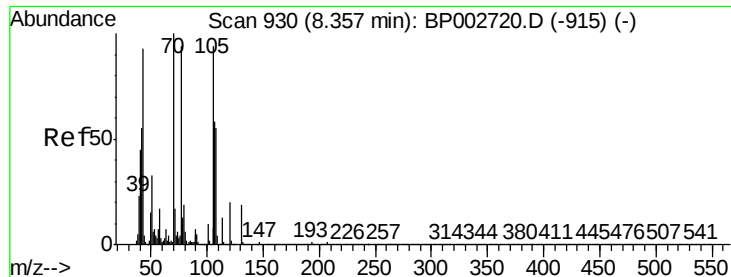


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

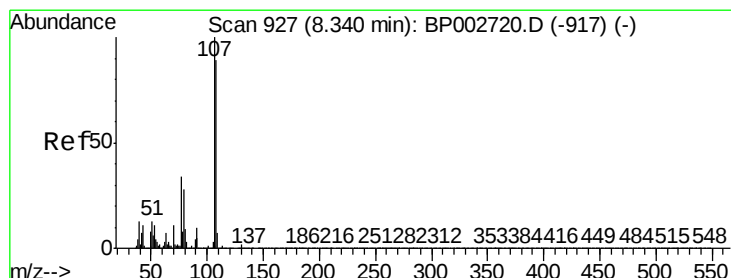
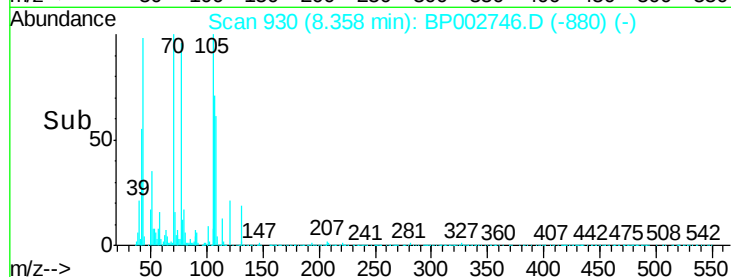
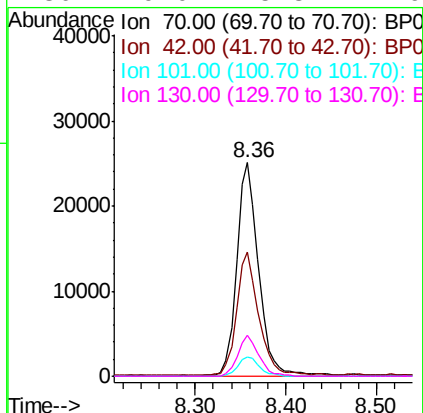
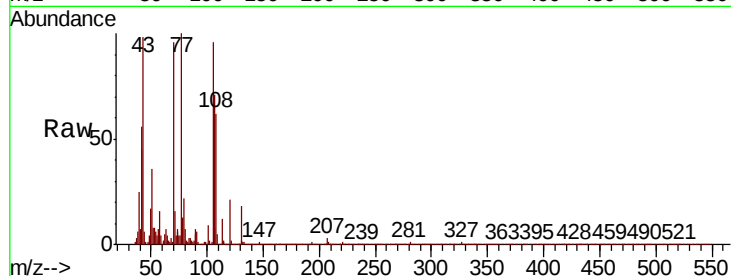




#19
n-Nitroso-di-n-propylamine
Concen: 3.869 ng
RT: 8.36 min Scan# 930
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

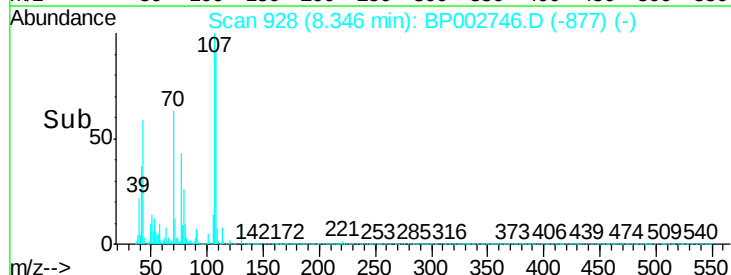
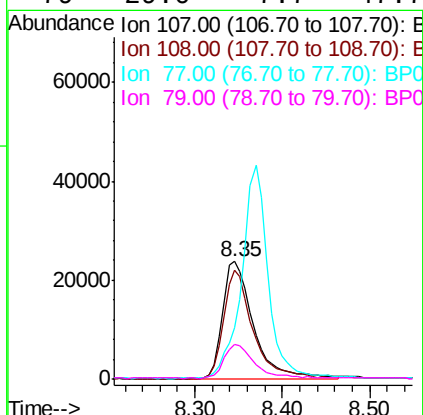
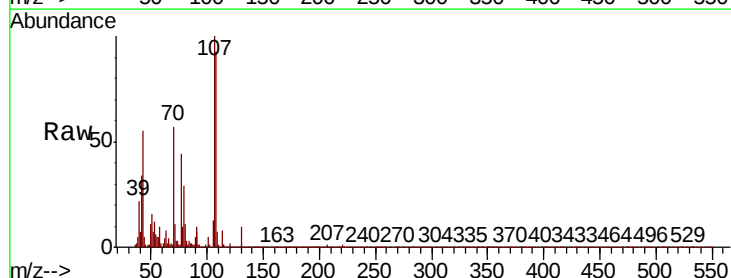
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

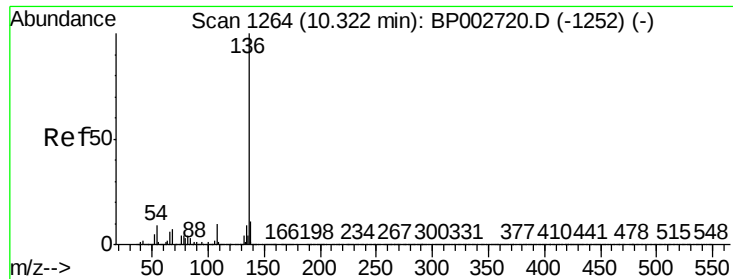
Tot Ion:	70	Resp:	42367
Ion	Ratio	Lower	Upper
70	100		
42	58.1	44.2	66.4
101	8.9	7.7	11.5
130	19.0	15.3	22.9



#20
3+4-Methylphenols
Concen: 3.317 ng
RT: 8.35 min Scan# 928
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:	107	Resp:	57554
Ion	Ratio	Lower	Upper
107	100		
108	93.0	69.5	109.5
77	44.0	14.3	54.3
79	29.0	7.7	47.7

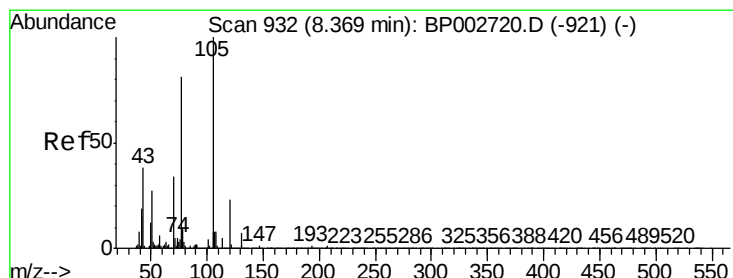
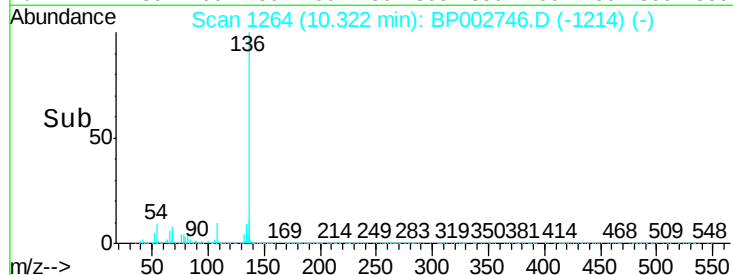
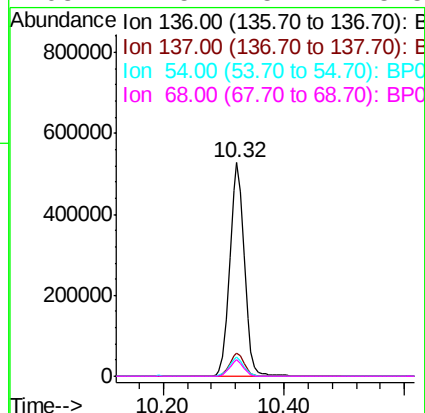
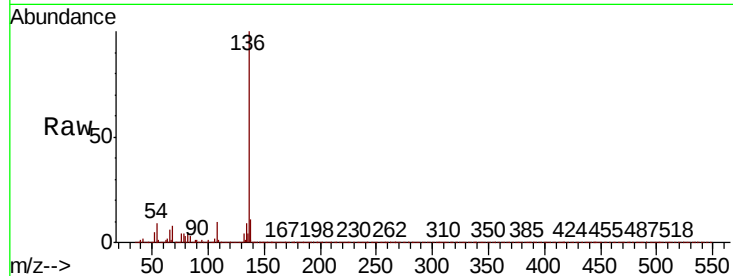




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.32 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

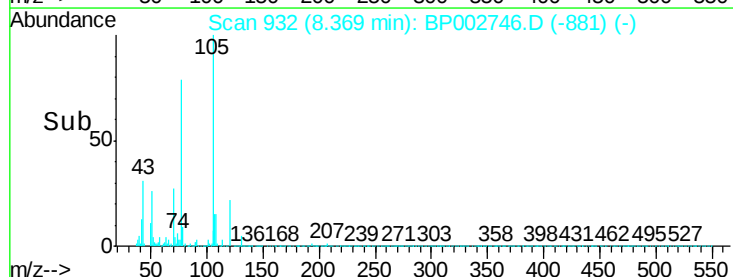
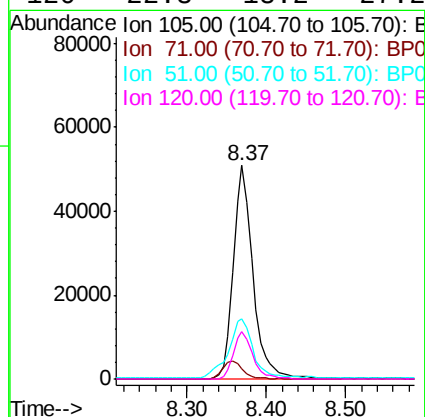
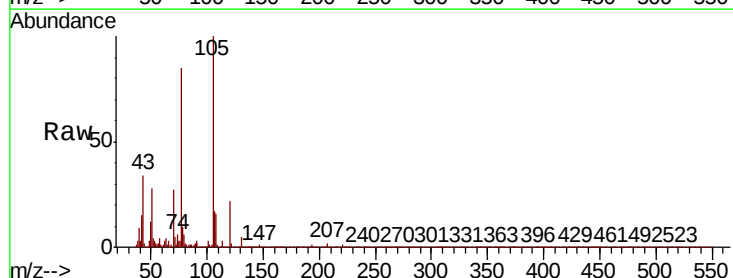
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

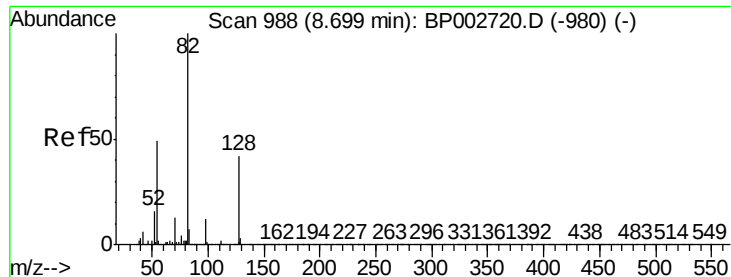
Tot Ion:136	Resp:	886242
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.6 13.0
54	8.9	6.9 10.3
68	7.5	5.7 8.5



#22
Acetophenone
Concen: 4.005 ng
RT: 8.37 min Scan# 932
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:105	Resp:	87503
Ion	Ratio	Lower Upper
105	100	
71	4.6	4.4 6.6
51	27.9	21.8 32.8
120	22.3	18.2 27.2

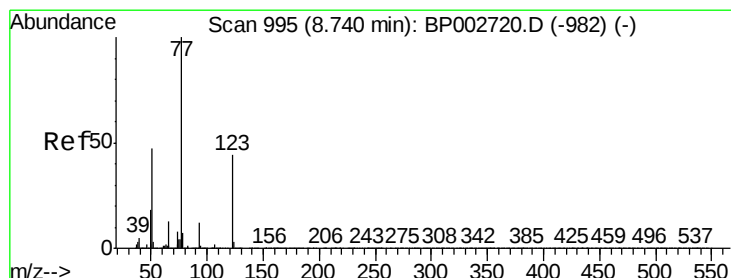
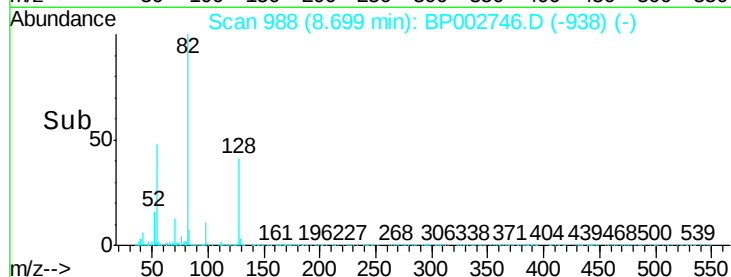
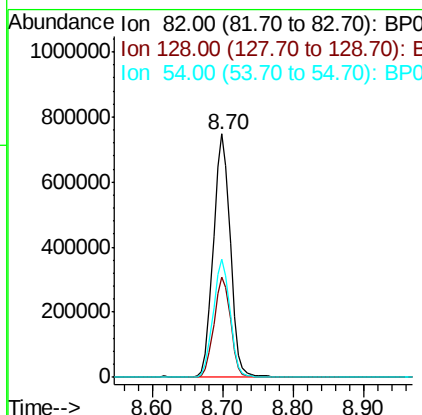
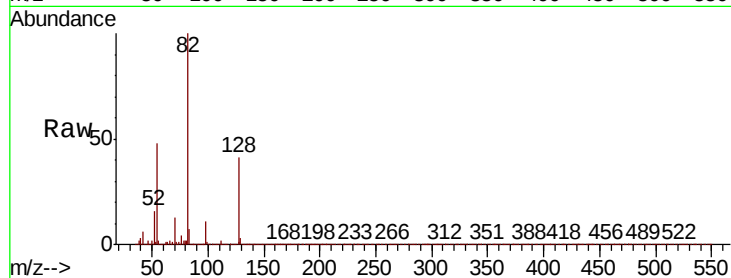




#23
Nitrobenzene-d5
Concen: 75.427 ng
RT: 8.70 min Scan# 988
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

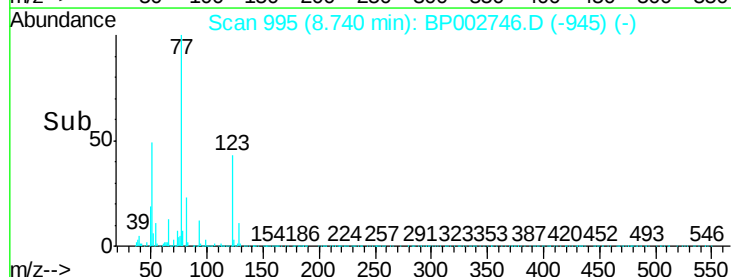
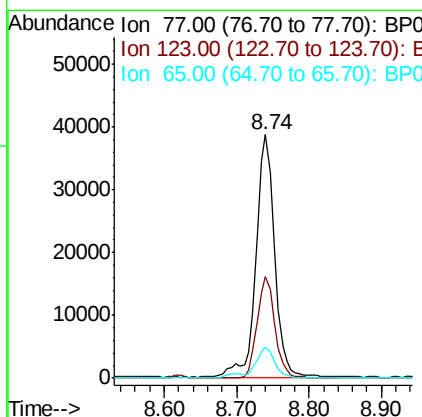
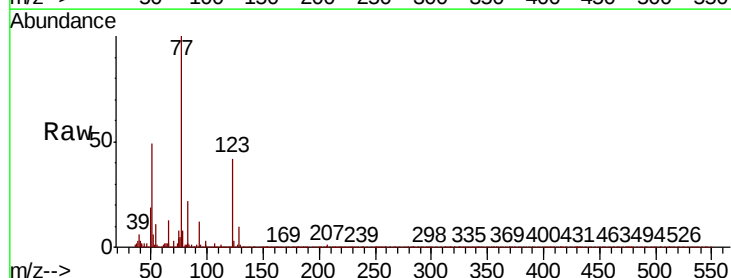
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

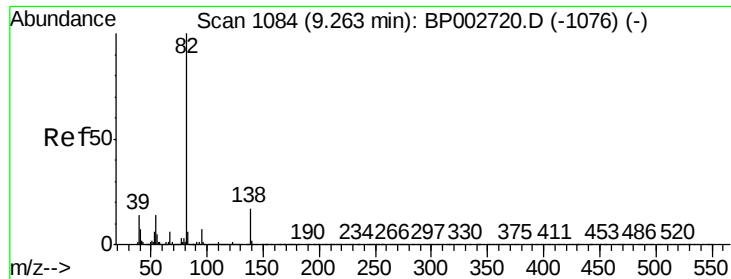
Tot Ion: 82 Resp: 1249848
Ion Ratio Lower Upper
82 100
128 41.3 33.8 50.8
54 48.4 38.8 58.2



#24
Nitrobenzene
Concen: 3.871 ng
RT: 8.74 min Scan# 995
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion: 77 Resp: 69473
Ion Ratio Lower Upper
77 100
123 41.8 35.0 52.6
65 12.6 10.4 15.6





#25

Isophorone

Concen: 3.493 ng

RT: 9.26 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

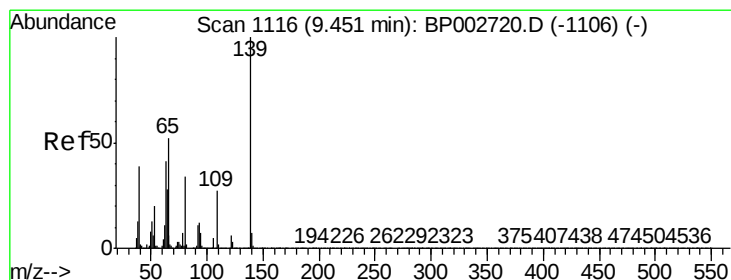
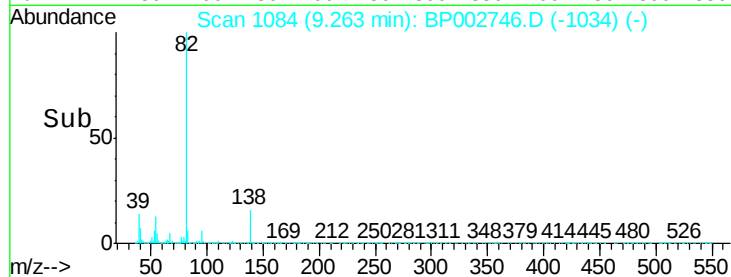
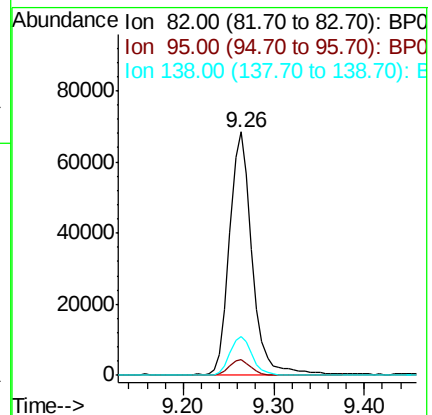
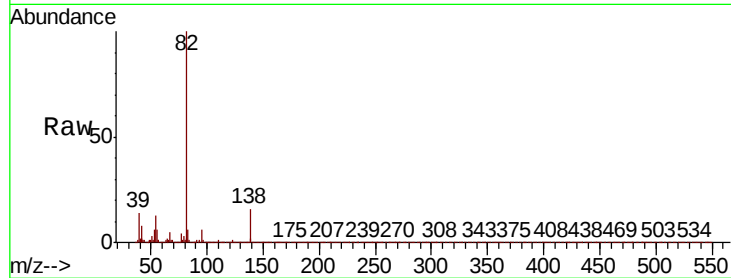
Tot Ion: 82 Resp: 117979

Ion Ratio Lower Upper

82 100

95 6.3 5.2 7.8

138 15.9 13.2 19.8



#26

2-Nitrophenol

Concen: 2.980 ng

RT: 9.45 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

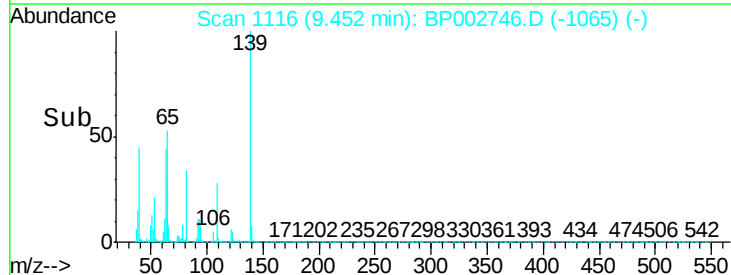
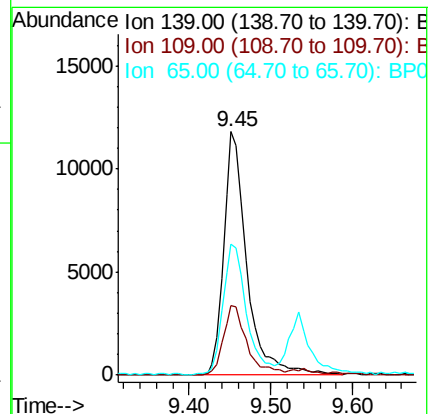
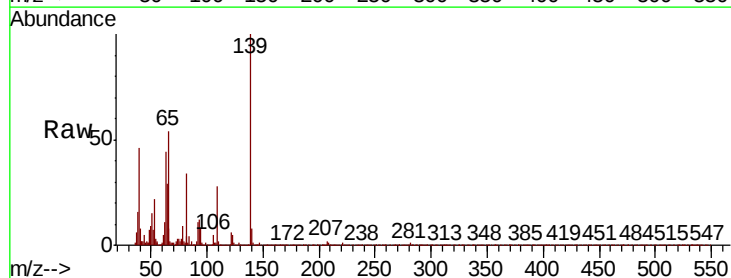
Tgt Ion: 139 Resp: 23101

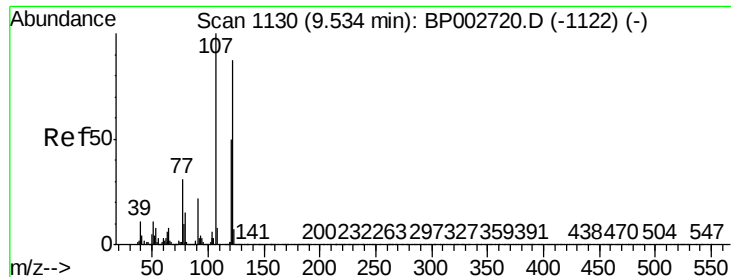
Ion Ratio Lower Upper

139 100

109 28.3 21.9 32.9

65 53.6 41.3 61.9

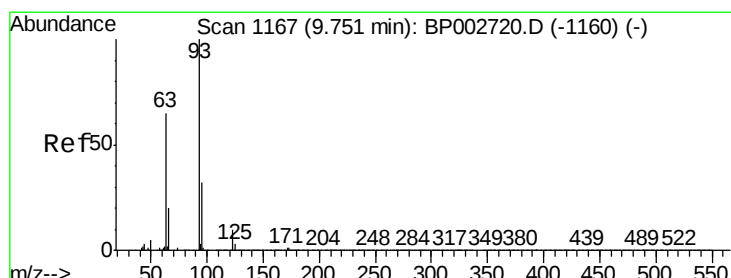
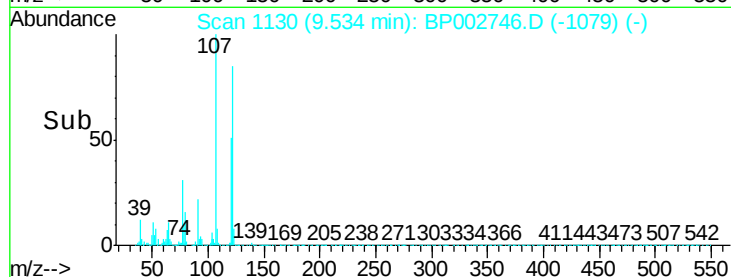
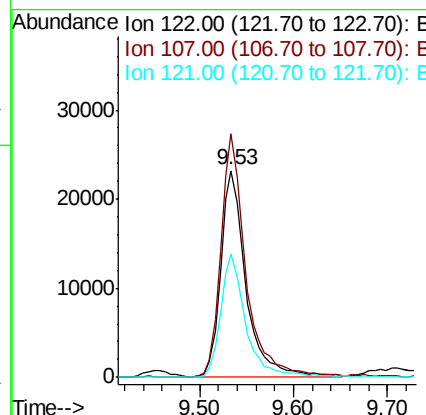
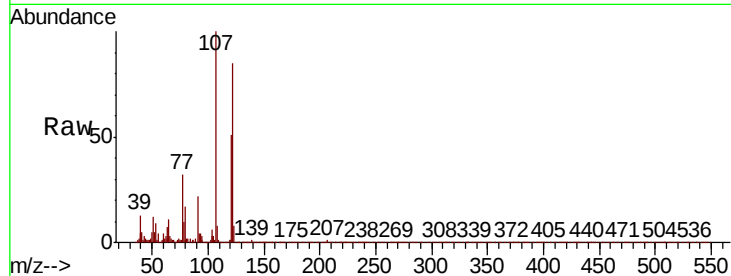




#27
2,4-Dimethylphenol
Concen: 3.434 ng
RT: 9.53 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

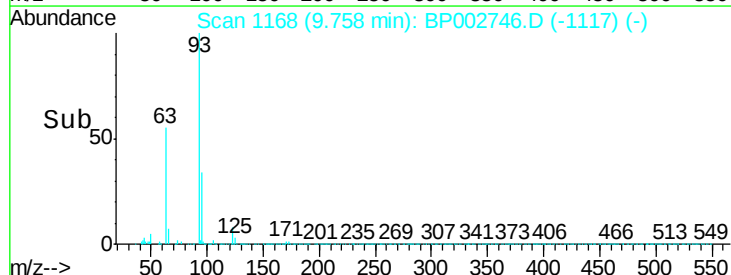
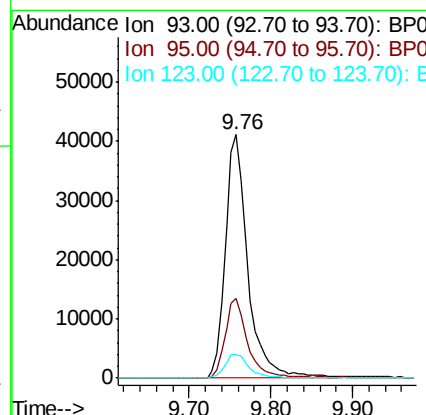
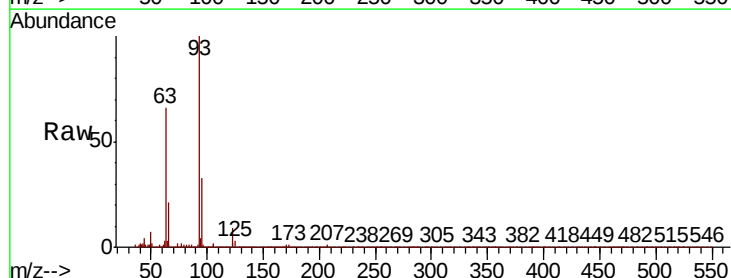
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

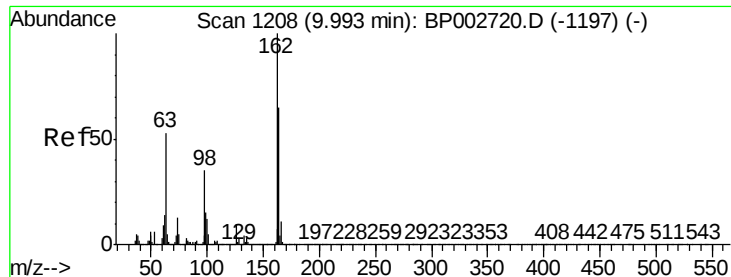
Tot Ion	Ratio	Lower	Upper
122	100		
107	117.9	92.2	138.4
121	60.0	45.8	68.6



#28
bis(2-Chloroethoxy)methane
Concen: 3.803 ng
RT: 9.76 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.6
123	9.4	8.9	13.3

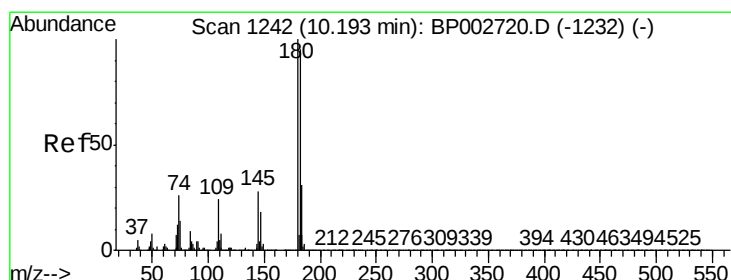
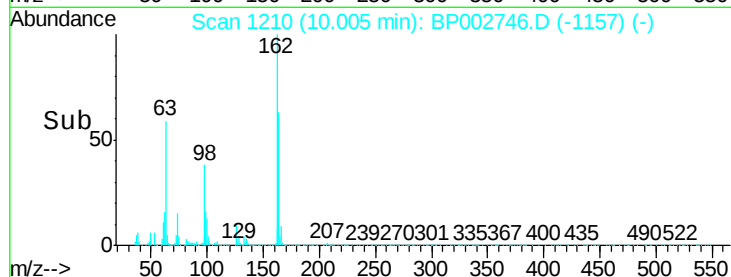
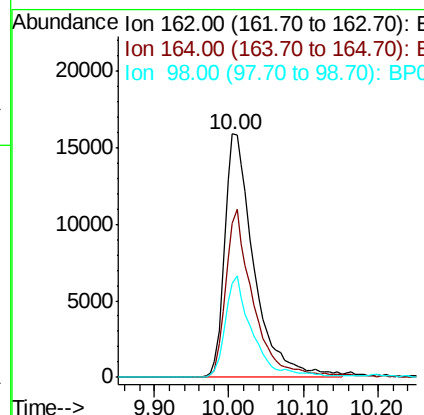
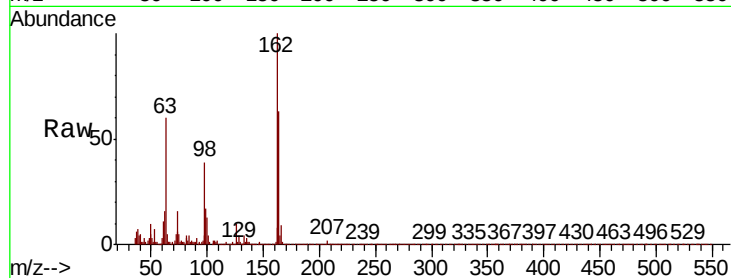




#29
2,4-Dichlorophenol
Concen: 3.131 ng
RT: 10.00 min Scan# 1210
Delta R.T. 0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

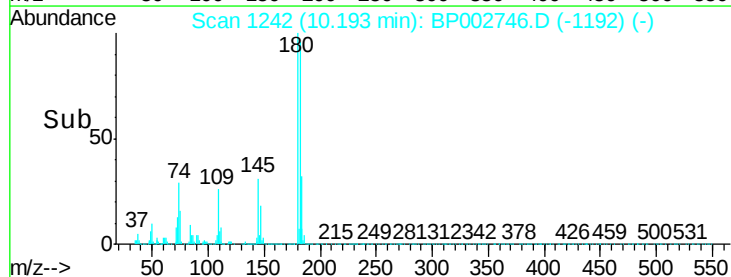
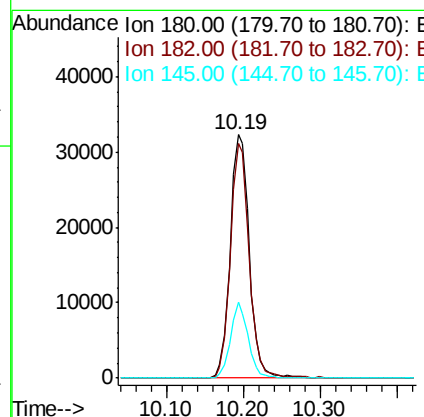
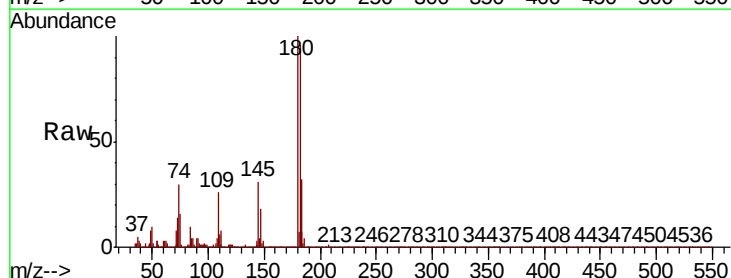
Instrument :
BNA_P
ClientSampleId :
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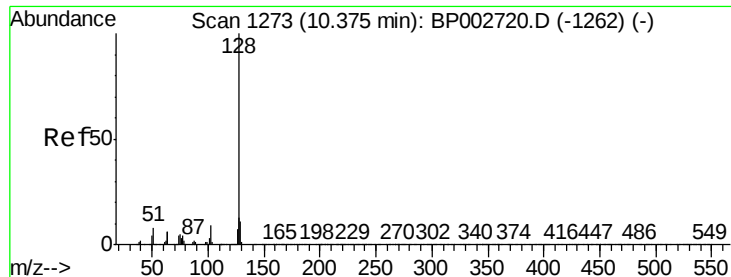
Tot Ion	Ratio	Lower	Upper
162	100		
164	63.1	44.5	84.5
98	38.6	15.2	55.2



#30
1,2,4-Trichlorobenzene
Concen: 3.517 ng
RT: 10.19 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.6
145	31.2	22.6	34.0

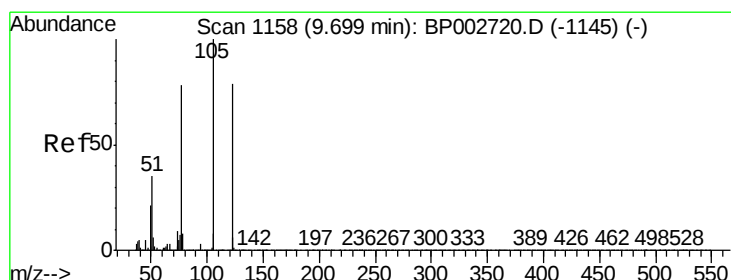
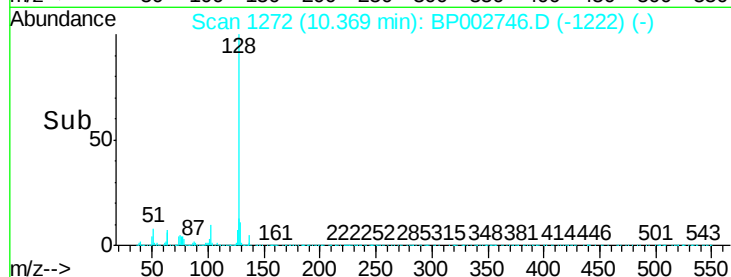
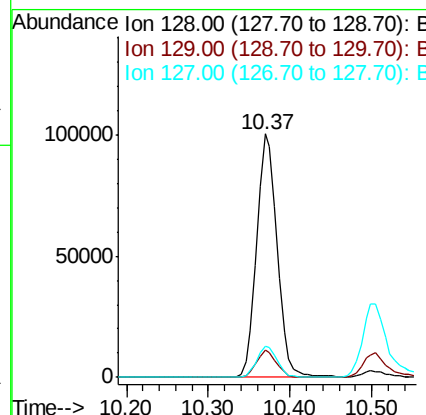
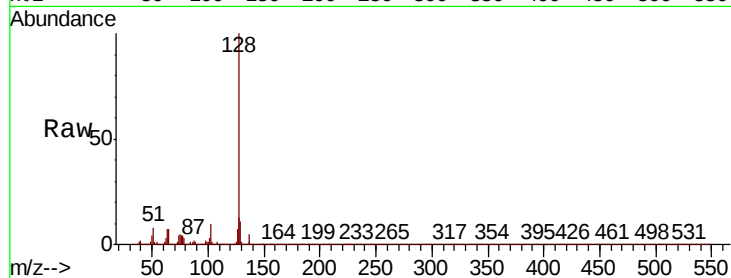




#31
Naphthalene
Concen: 3.749 ng
RT: 10.37 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

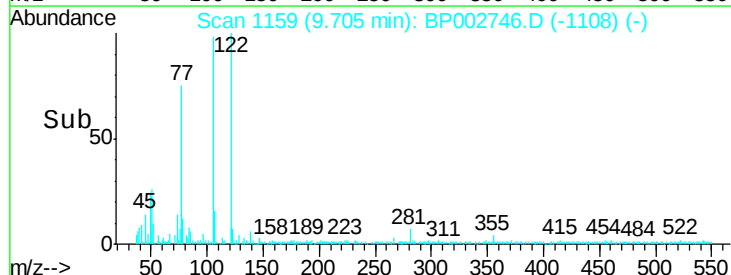
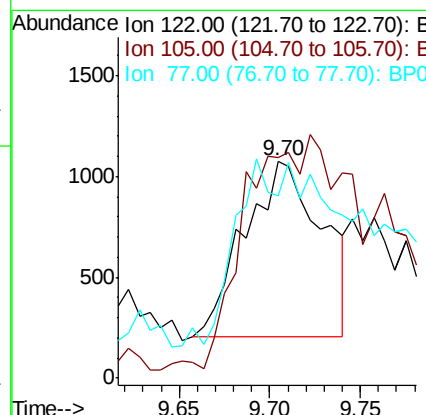
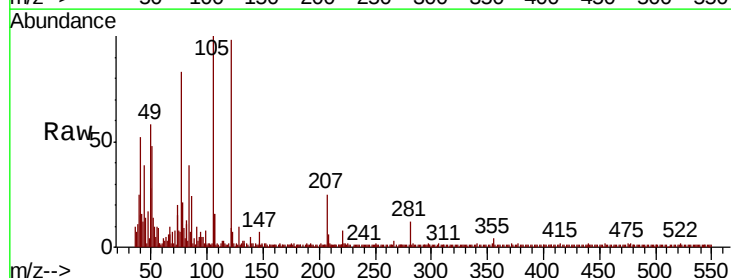
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

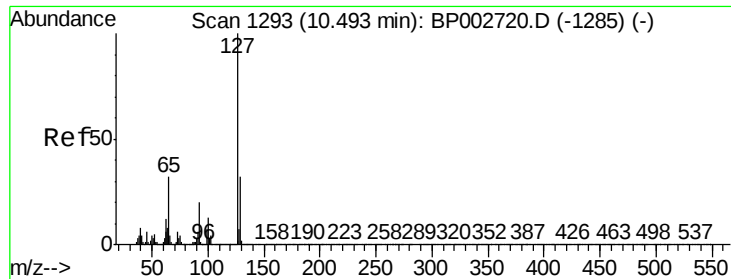
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.0	10.6	15.8



#32
Benzoic acid
Concen: 0.301 ng
RT: 9.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
122	100		
105	101.9	105.4	145.4#
77	84.2	78.5	118.5

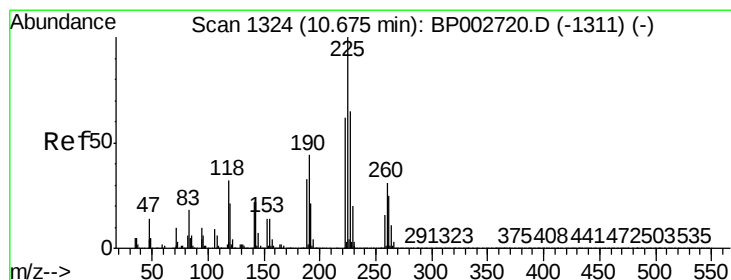
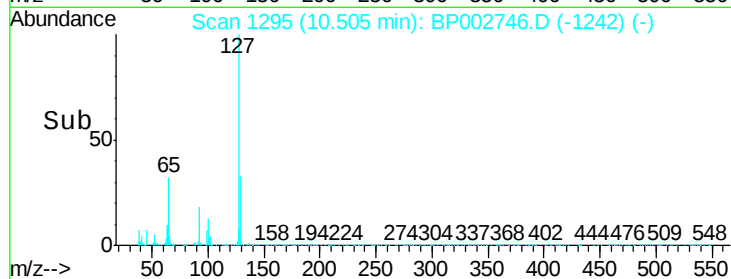
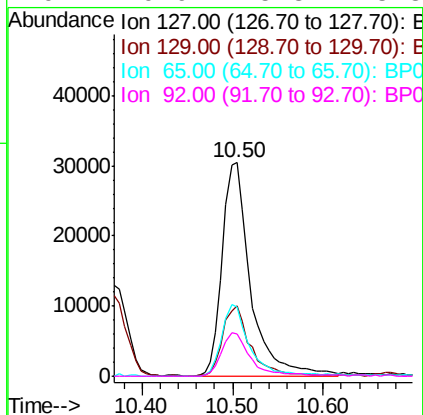
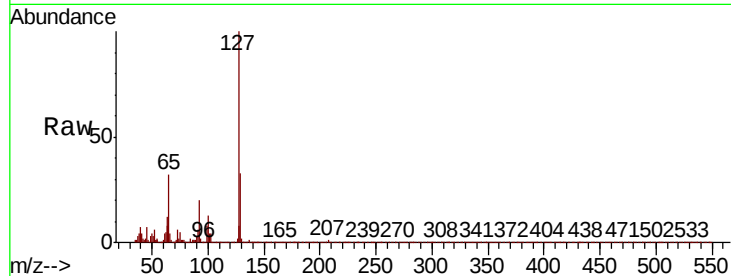




#33
4-Chloroaniline
Concen: 3.286 ng
RT: 10.50 min Scan# 1295
Delta R.T. 0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

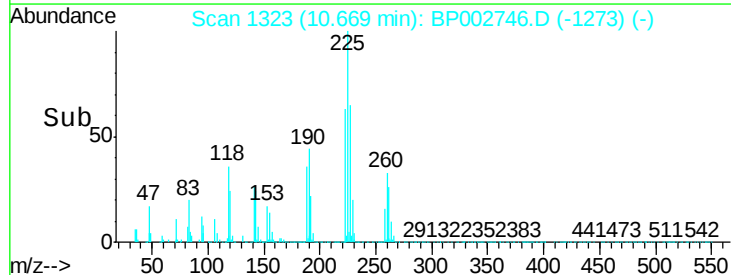
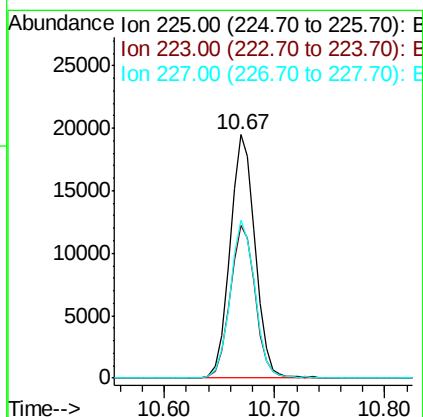
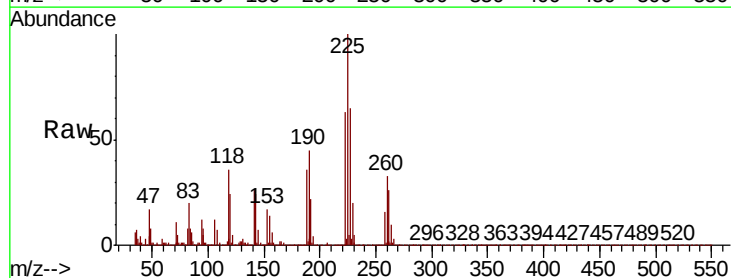
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

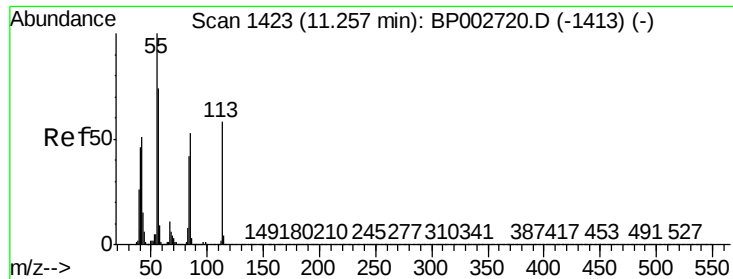
Tot Ion:	127	Resp:	65875
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.3	37.9
65	32.1	25.4	38.2
92	19.9	15.8	23.8



#34
Hexachlorobutadiene
Concen: 3.373 ng
RT: 10.67 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:	225	Resp:	30984
Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.9	74.9
227	64.9	51.8	77.6

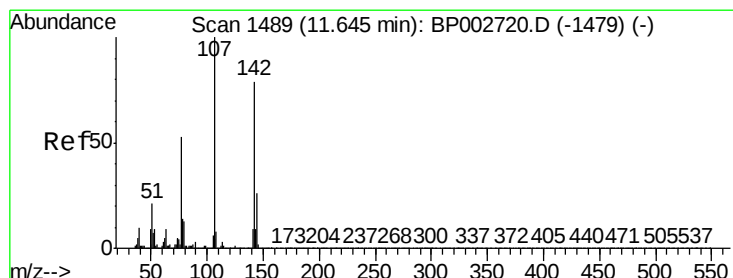
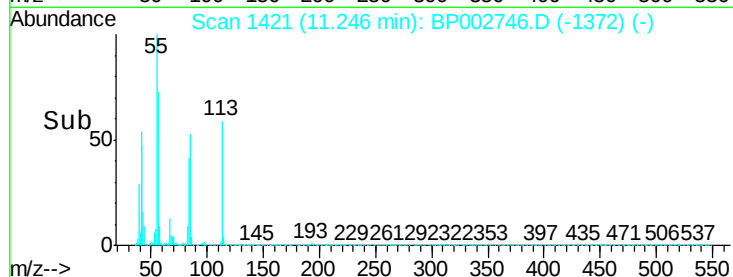
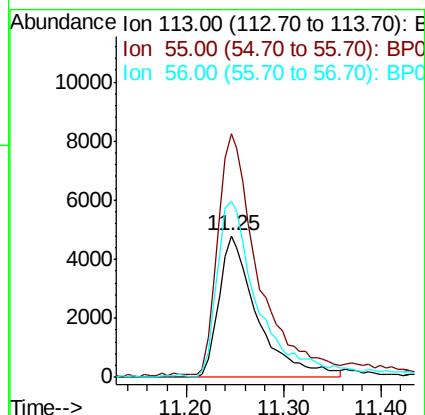
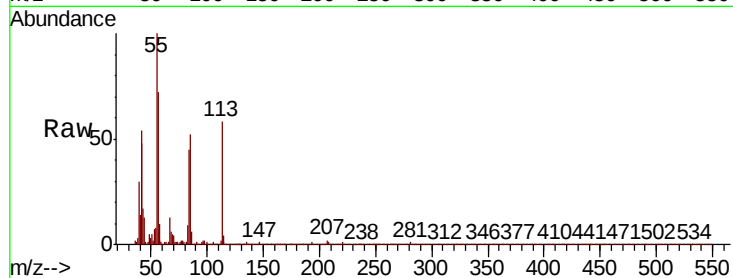




#35
Caprolactam
Concen: 2.683 ng
RT: 11.25 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

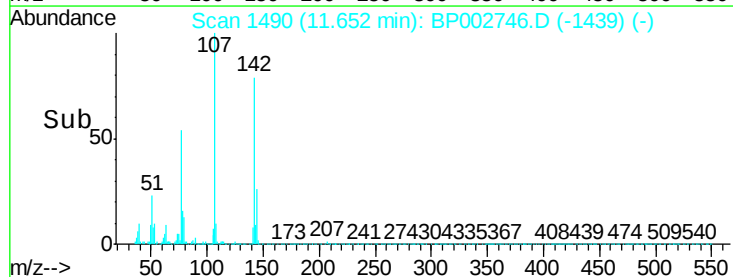
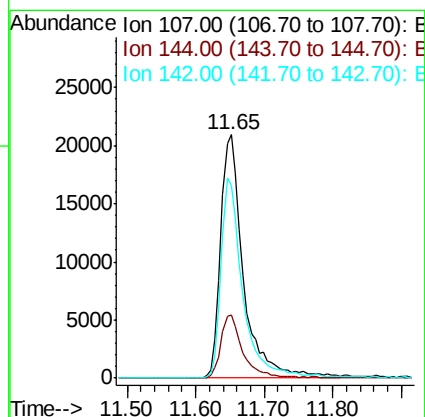
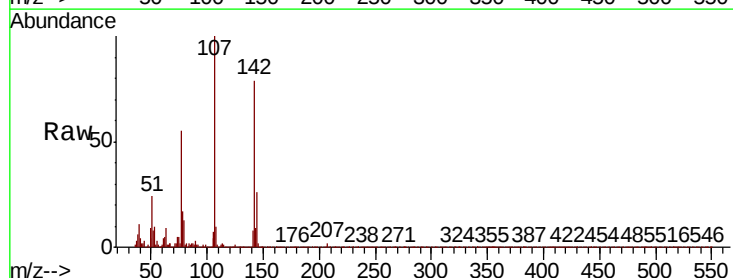
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

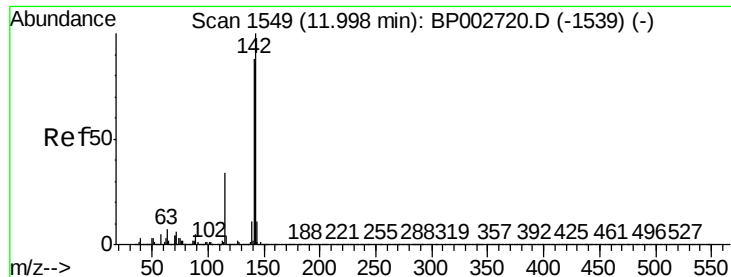
Tot Ion:113 Resp: 13015
Ion Ratio Lower Upper
113 100
55 172.2 152.8 192.8
56 124.1 107.5 147.5



#36
4-Chloro-3-methylphenol
Concen: 3.224 ng
RT: 11.65 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:107 Resp: 48212
Ion Ratio Lower Upper
107 100
144 25.8 20.6 30.8
142 79.2 63.4 95.2

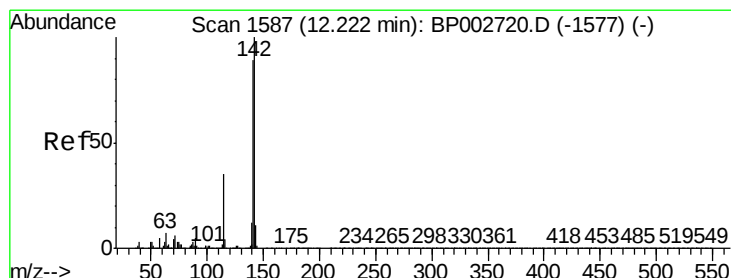
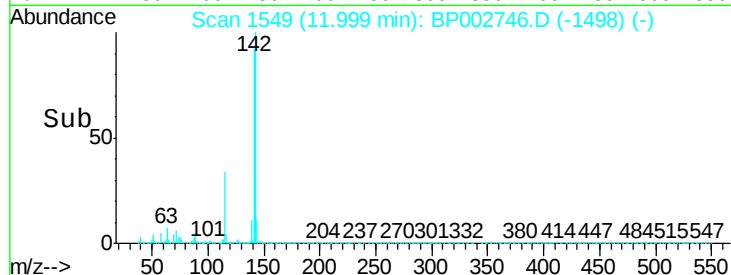
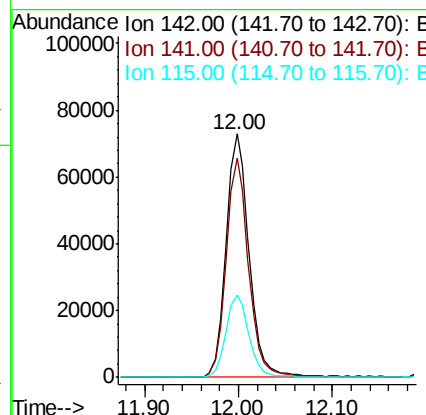
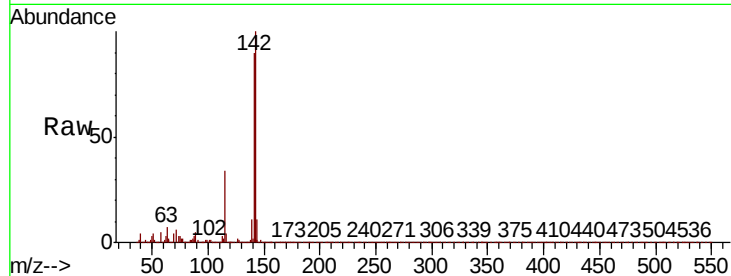




#37
2-Methylnaphthalene
Concen: 3.757 ng
RT: 12.00 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

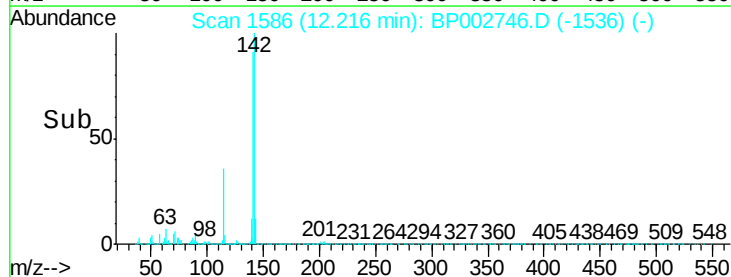
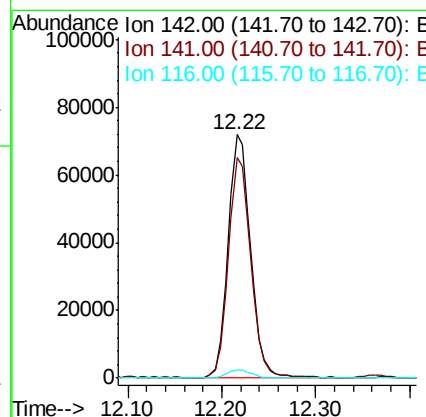
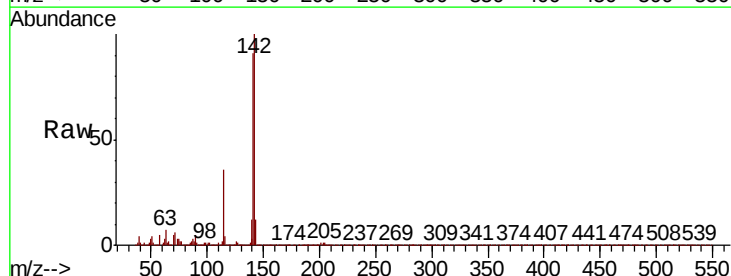
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

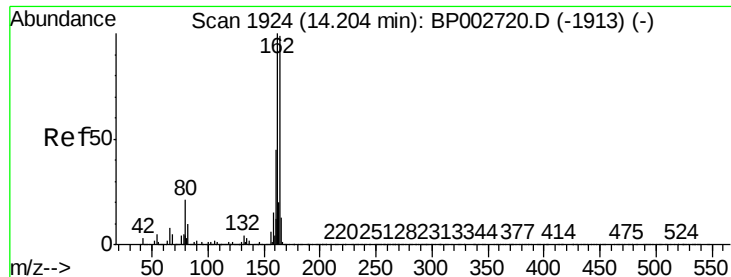
Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.4	105.6
115	33.7	27.0	40.6



#38
1-Methylnaphthalene
Concen: 3.778 ng
RT: 12.22 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.5	107.3
116	3.5	2.9	4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

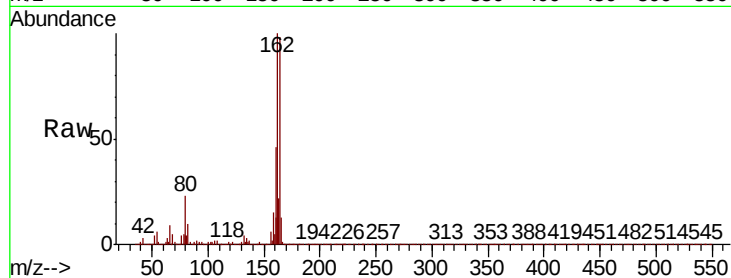
Tot Ion:164 Resp: 562776

Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

160 46.3 36.4 54.6

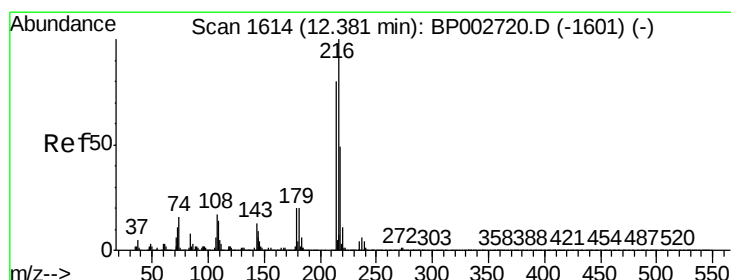
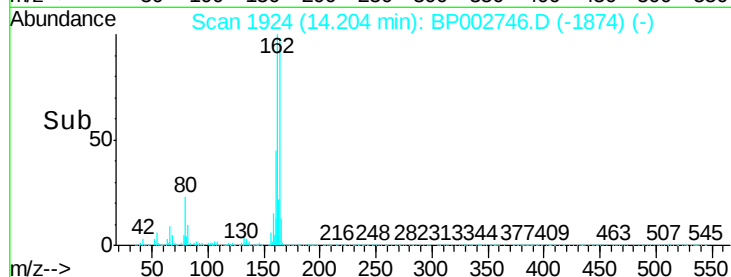
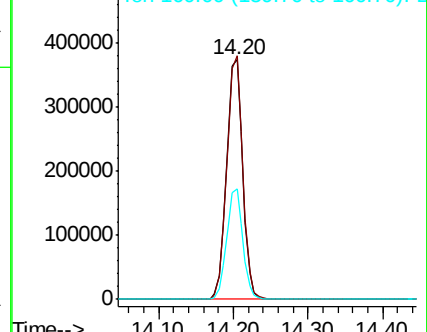


Abundance

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: 3.688 ng

RT: 12.38 min Scan# 1614

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Tgt Ion:216 Resp: 63789

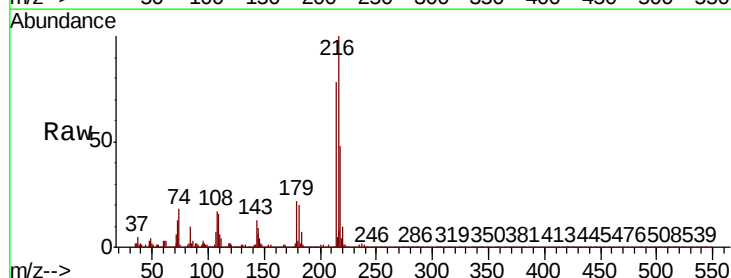
Ion Ratio Lower Upper

216 100

214 78.6 63.4 95.2

179 20.2 16.2 24.2

108 18.7 14.8 22.2



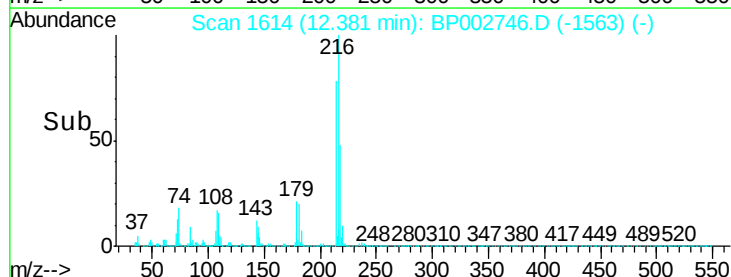
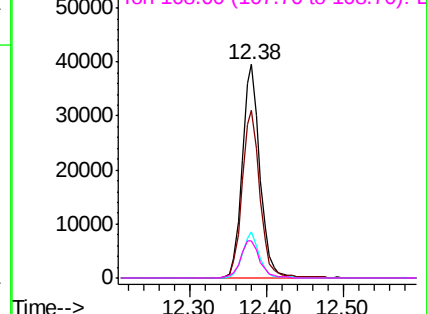
Abundance

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

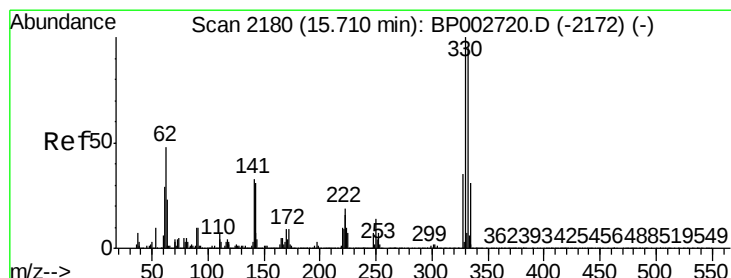
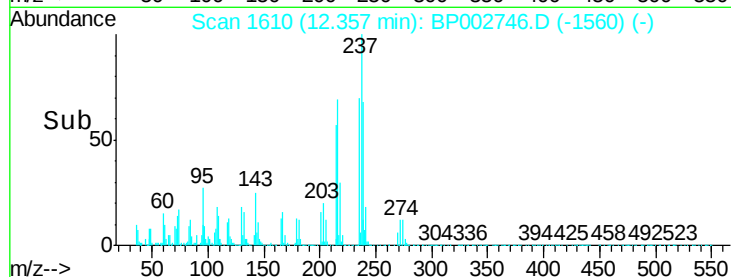
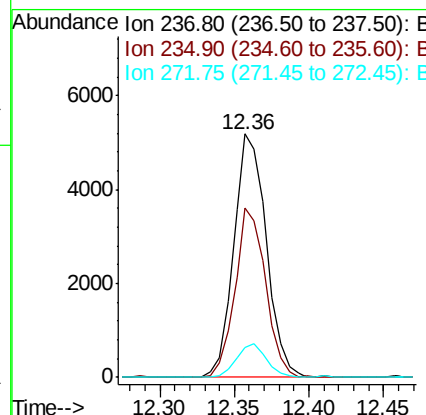
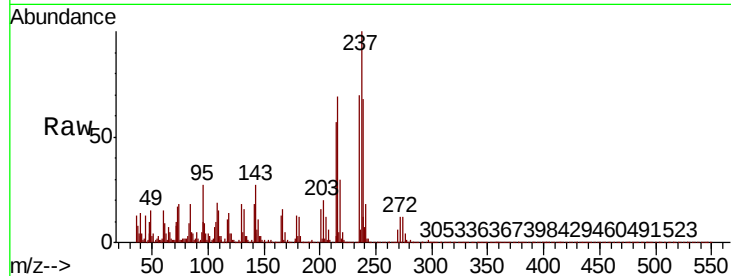




#41
Hexachlorocyclopentadiene
Concen: 1.263 ng
RT: 12.36 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

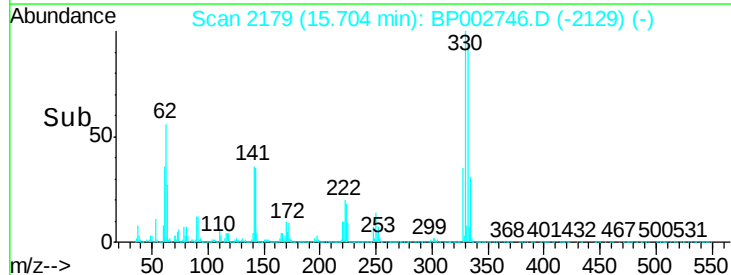
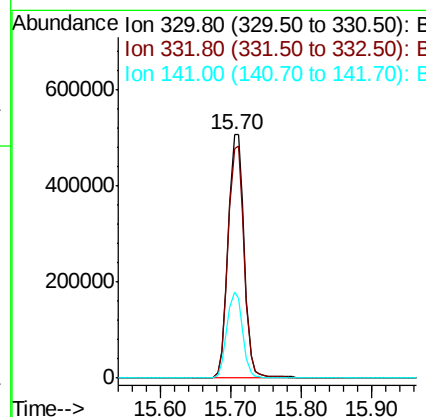
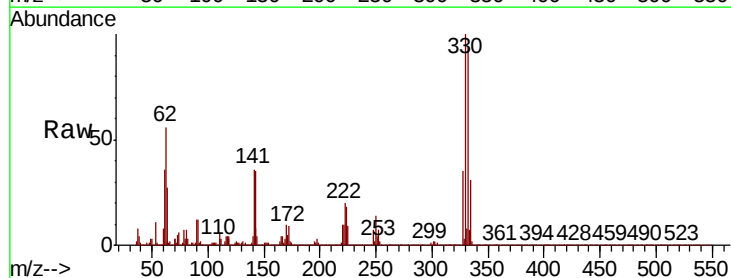
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

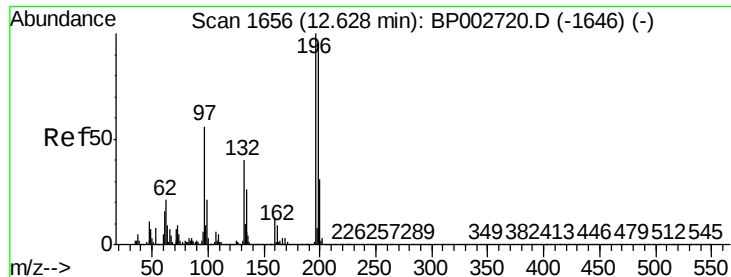
Tot Ion:	237	Resp:	7862
Ion	Ratio	Lower	Upper
237	100		
235	69.8	42.3	82.3
272	12.2	0.0	32.5



#42
2,4,6-Tribromophenol
Concen: 136.642 ng
RT: 15.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:	330	Resp:	802700
Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.5	114.7
141	35.1	28.8	43.2

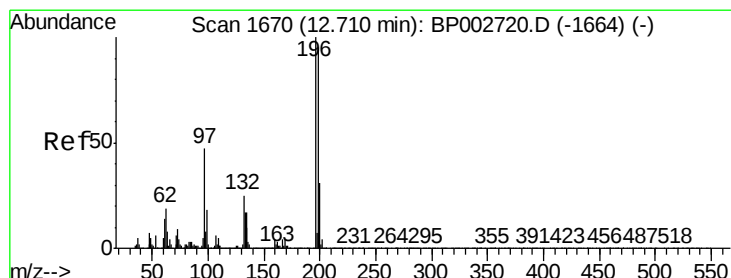
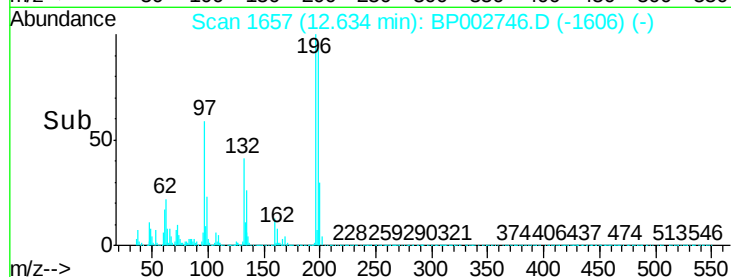
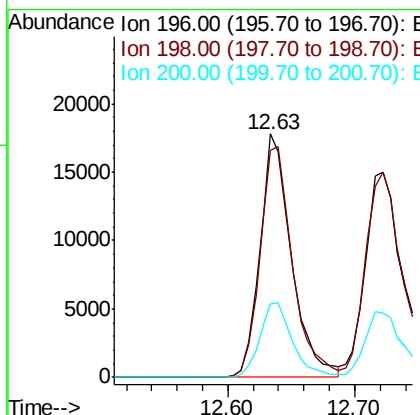
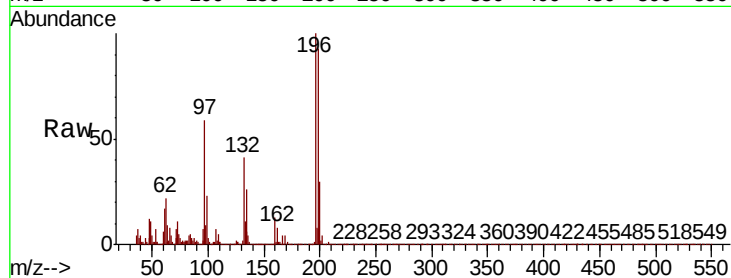




#43
 2,4,6-Trichlorophenol
 Concen: 2.787 ng
 RT: 12.63 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: BP002746.D
 Acq: 14 Jul 2020 12:59

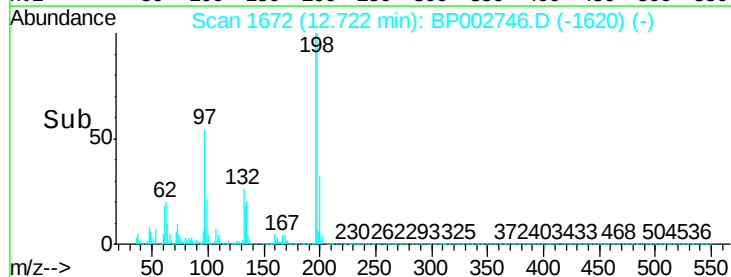
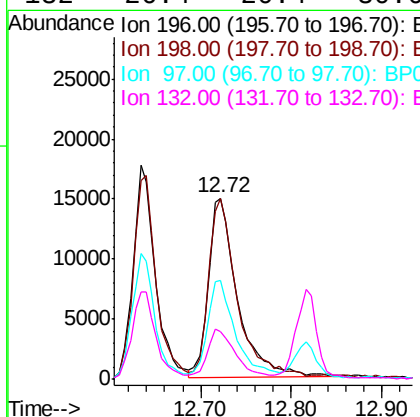
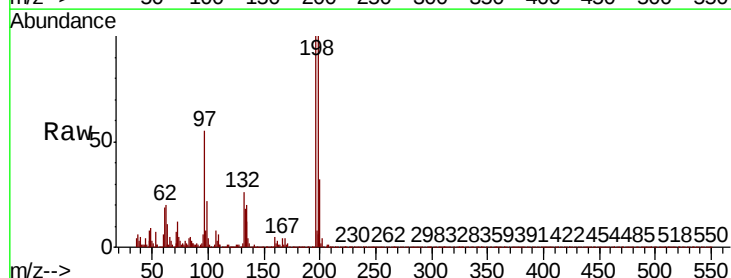
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

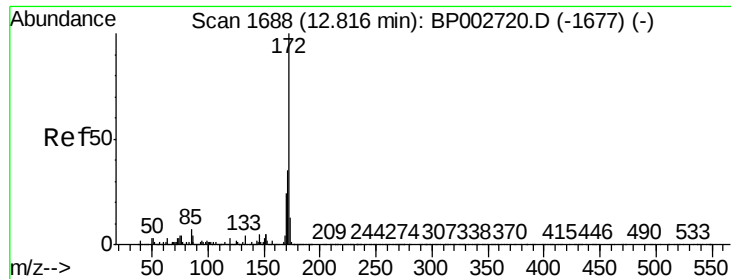
Tot Ion:196 Resp: 30849
 Ion Ratio Lower Upper
 196 100
 198 93.0 75.8 113.6
 200 30.1 24.5 36.7



#44
 2,4,5-Trichlorophenol
 Concen: 2.606 ng
 RT: 12.72 min Scan# 1672
 Delta R.T. 0.01 min
 Lab File: BP002746.D
 Acq: 14 Jul 2020 12:59

Tgt Ion:196 Resp: 33466
 Ion Ratio Lower Upper
 196 100
 198 99.8 75.8 113.6
 97 54.8 38.0 57.0
 132 26.4 20.4 30.6

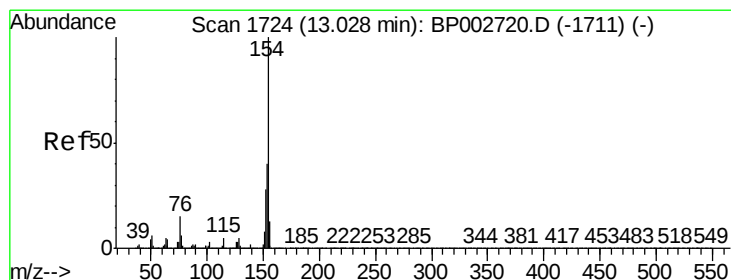
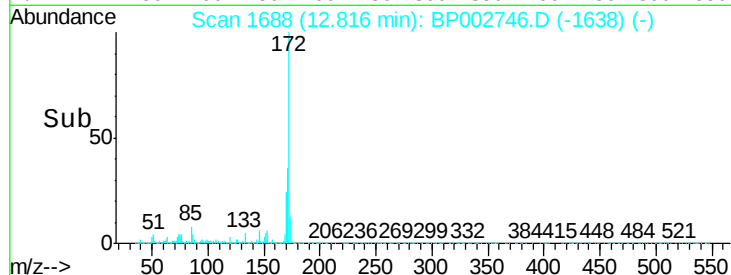
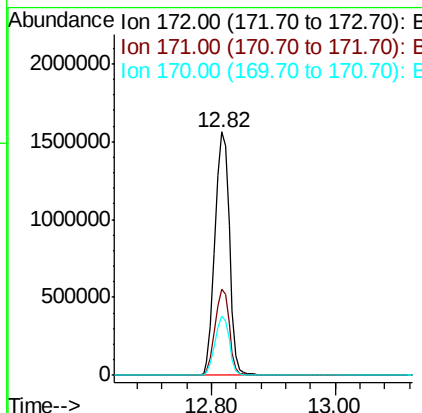
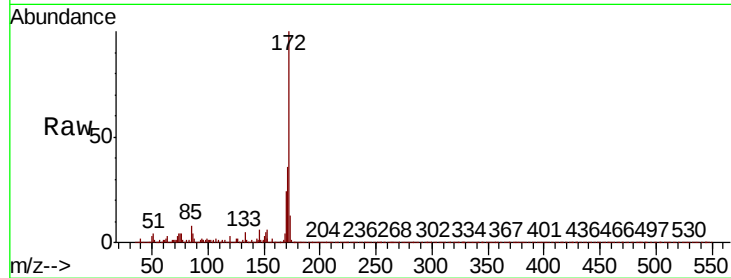




#45
2-Fluorobiphenyl
Concen: 69.420 ng
RT: 12.82 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

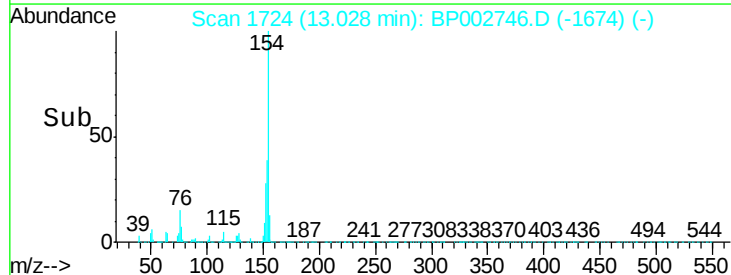
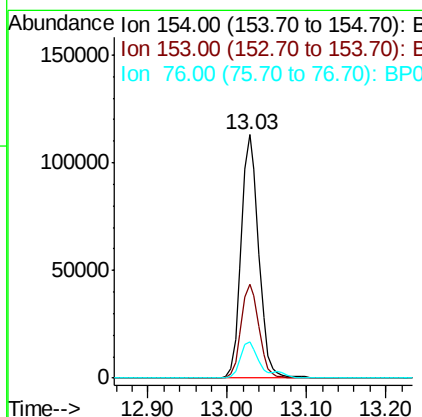
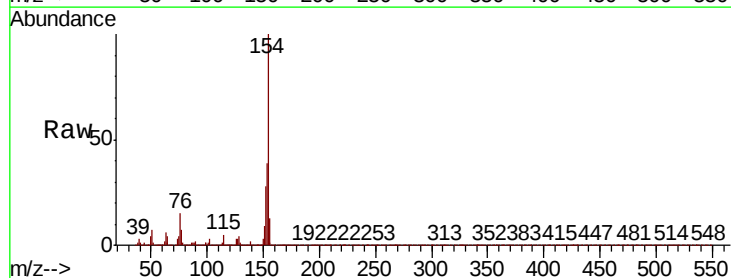
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

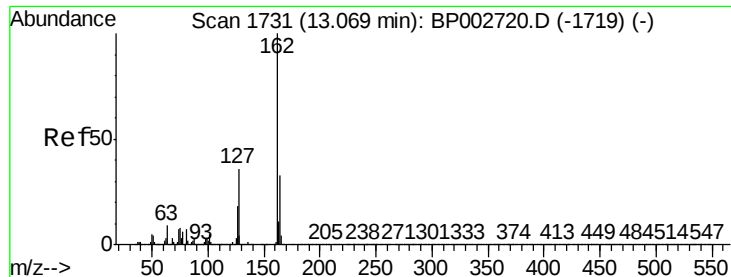
Tot Ion:172 Resp: 2525421
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 24.3 19.3 28.9



#46
1,1'-Biphenyl
Concen: 4.134 ng
RT: 13.03 min Scan# 1724
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:154 Resp: 173430
Ion Ratio Lower Upper
154 100
153 38.5 19.8 59.8
76 14.9 0.0 34.7

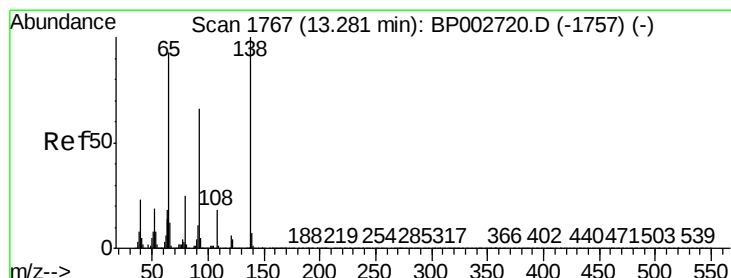
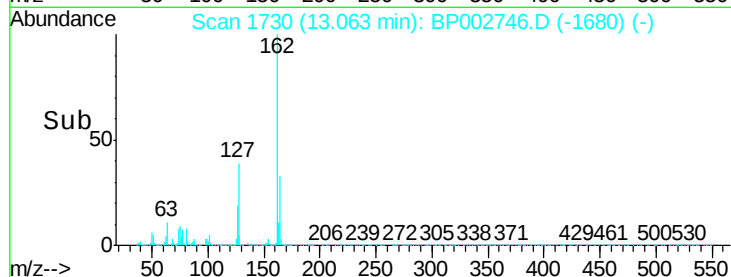
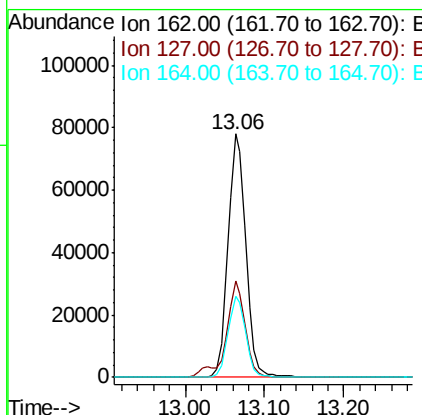
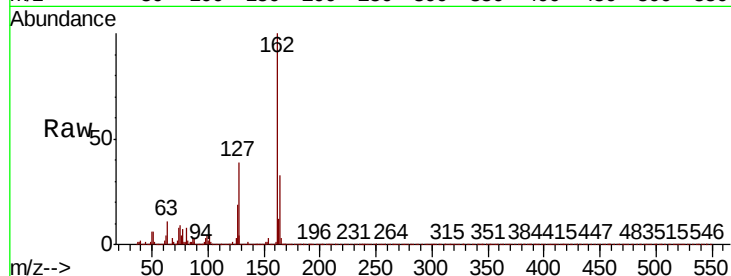




#47
2-Chloronaphthalene
Concen: 3.548 ng
RT: 13.06 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

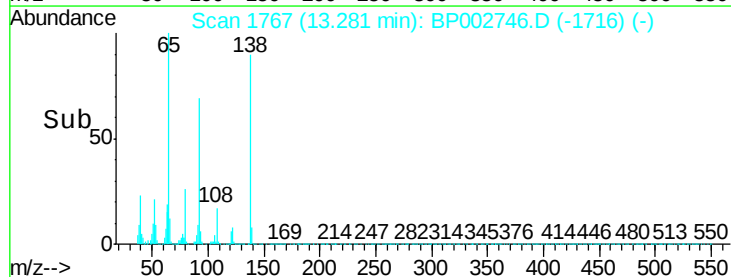
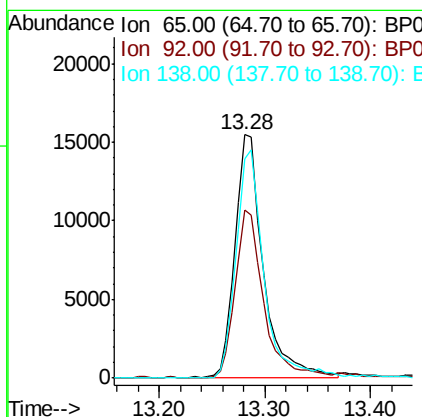
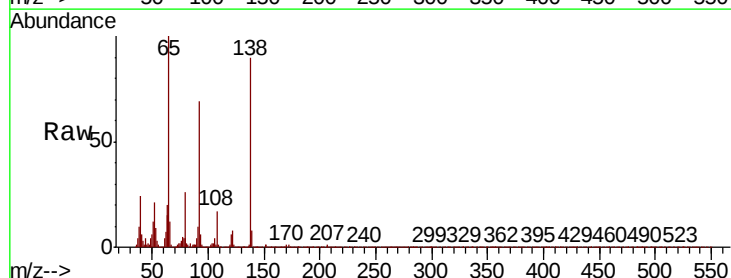
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

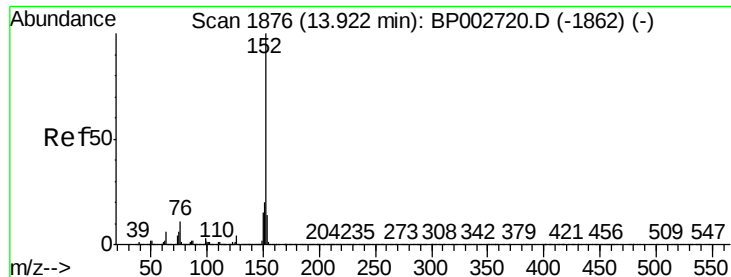
Tot Ion	Ratio	Lower	Upper
162	100		
127	39.4	29.0	43.4
164	33.4	26.8	40.2



#48
2-Nitroaniline
Concen: 2.705 ng
RT: 13.28 min Scan# 1767
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.9	57.0	85.6
138	90.1	86.0	129.0





#49

Acenaphthylene

Concen: 3.601 ng

RT: 13.92 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

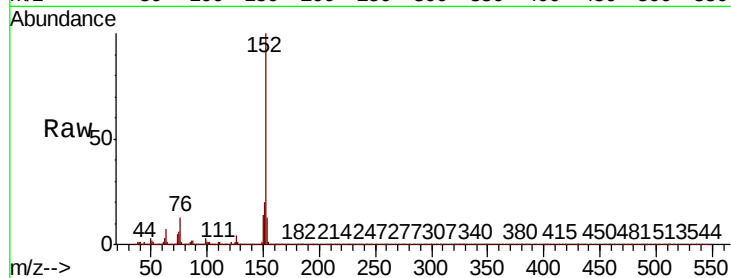
Tot Ion:152 Resp: 193472

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

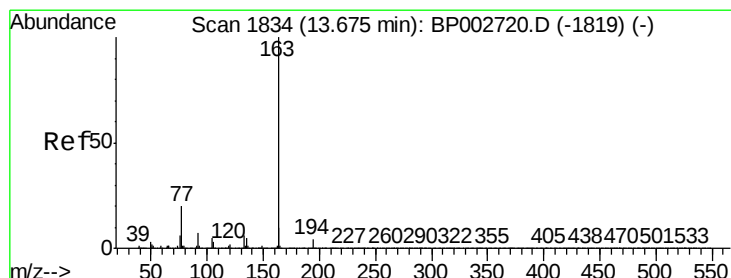
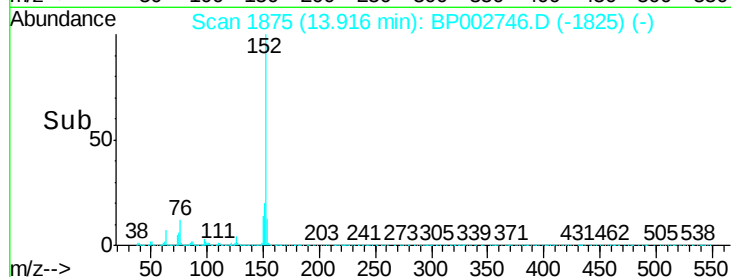
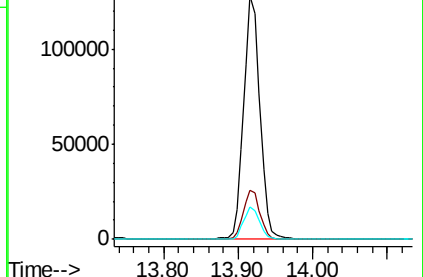
153 13.3 10.9 16.3



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: 3.551 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

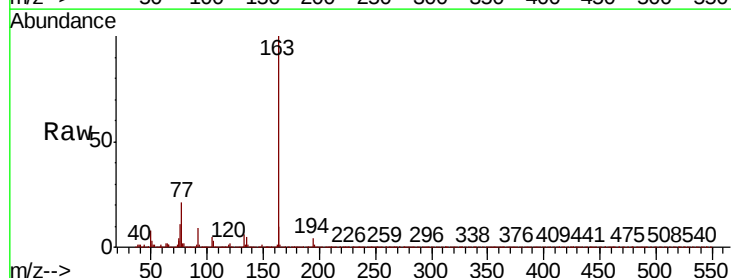
Tgt Ion:163 Resp: 152418

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

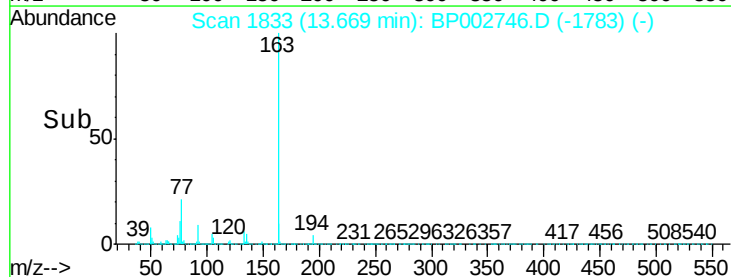
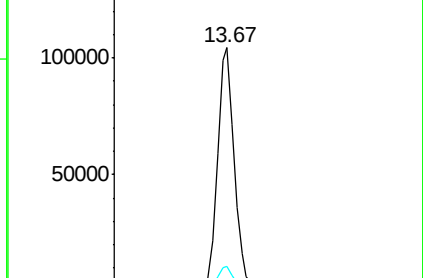
164 10.0 7.8 11.8

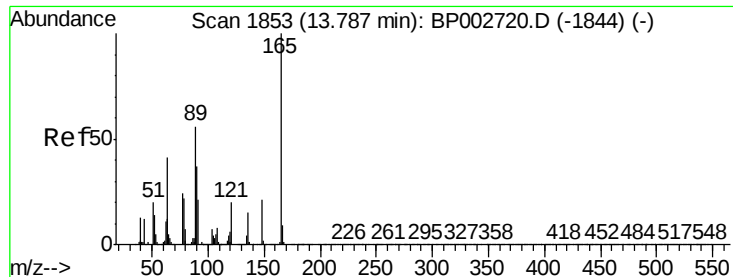


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

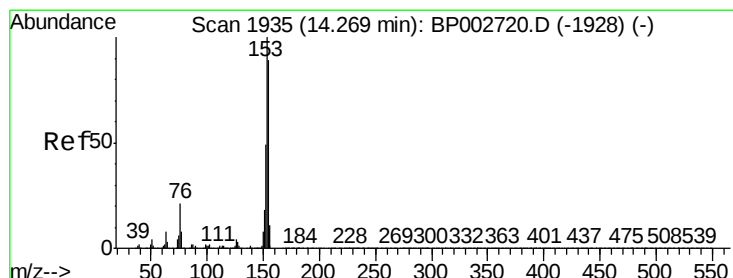
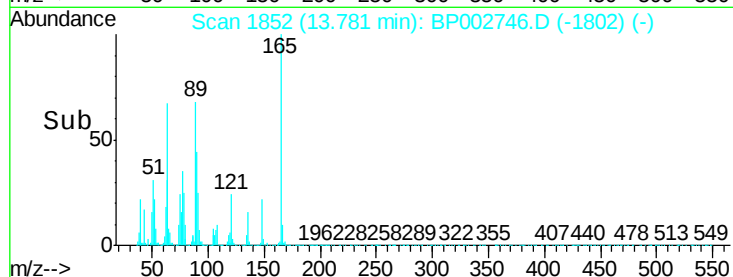
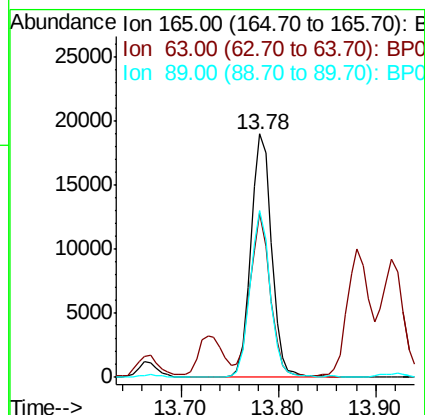
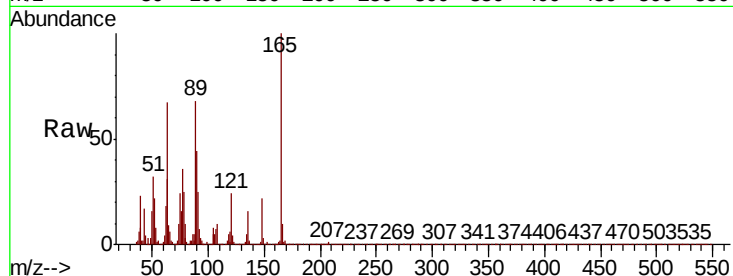




#51
2,6-Dinitrotoluene
Concen: 3.076 ng
RT: 13.78 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

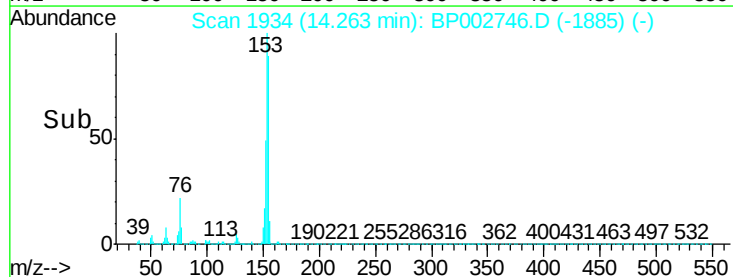
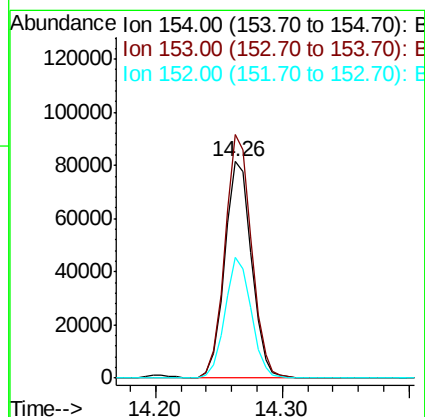
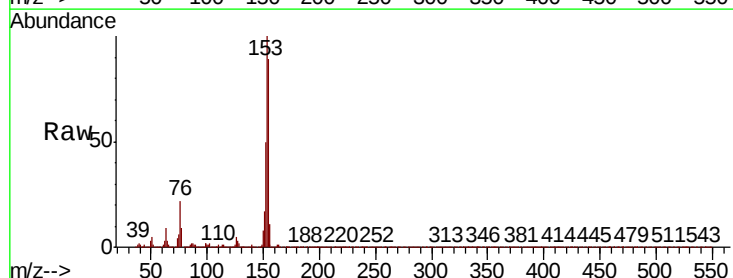
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

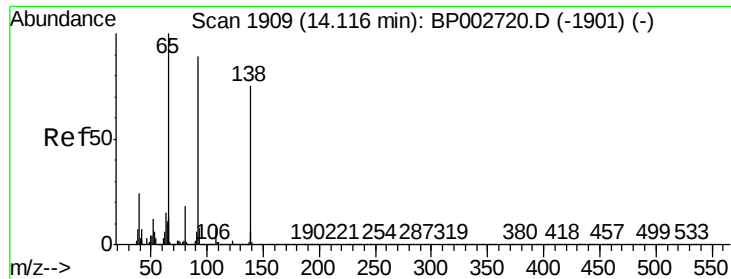
Tot Ion:165 Resp: 28260
Ion Ratio Lower Upper
165 100
63 67.3 43.2 64.8#
89 68.5 44.6 67.0#



#52
Acenaphthene
Concen: 3.715 ng
RT: 14.26 min Scan# 1934
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:154 Resp: 119262
Ion Ratio Lower Upper
154 100
153 112.6 90.1 135.1
152 55.8 43.8 65.6

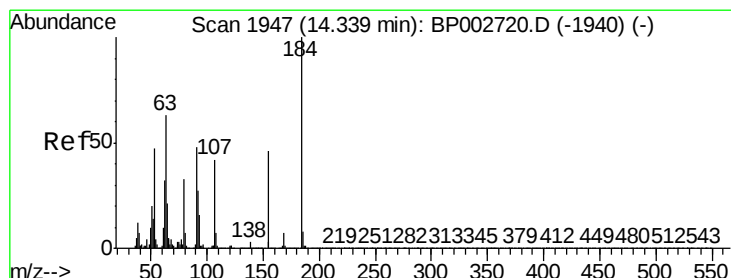
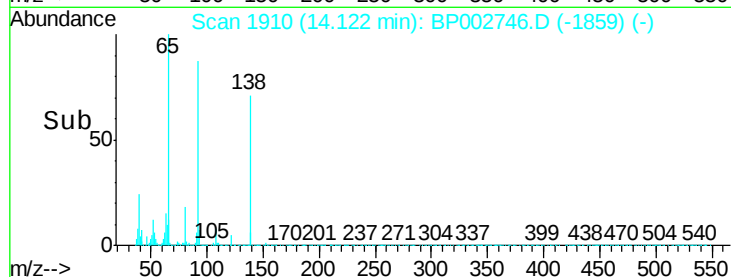
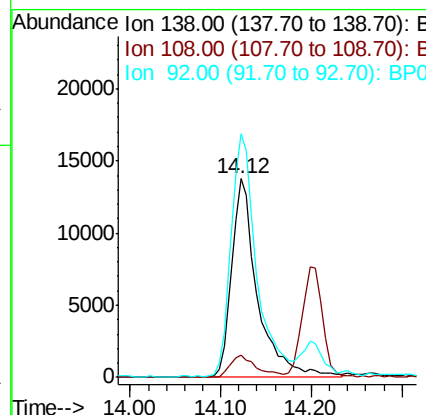
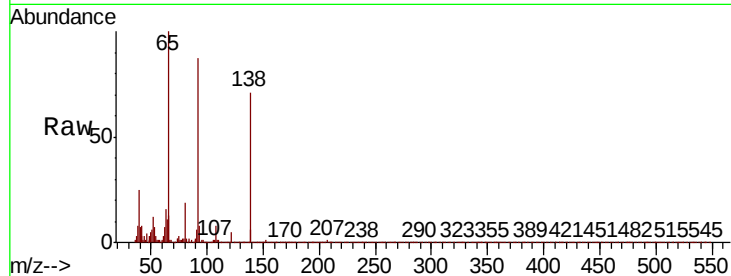




#53
3-Nitroaniline
Concen: 2.660 ng
RT: 14.12 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

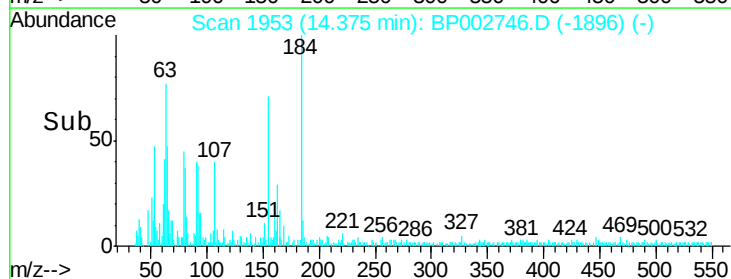
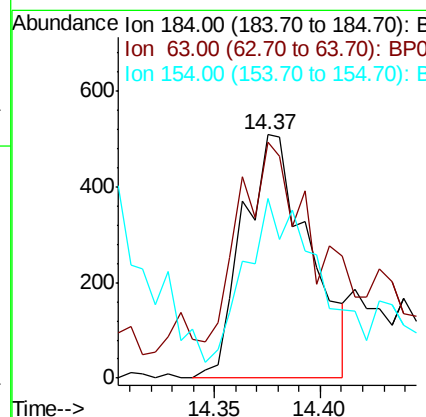
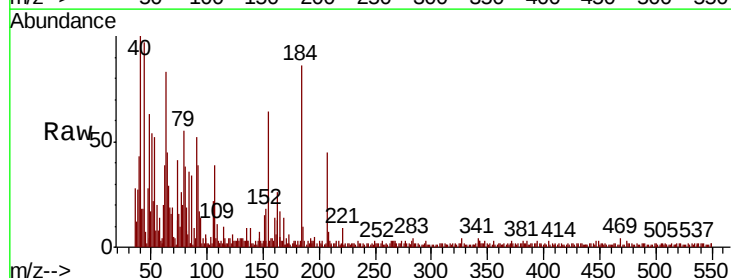
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

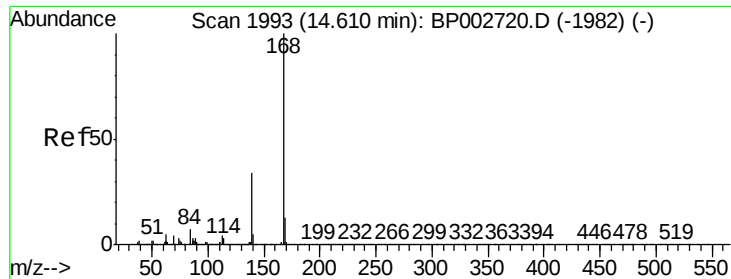
Tot Ion:138 Resp: 27342
Ion Ratio Lower Upper
138 100
108 11.4 8.2 12.2
92 122.8 94.3 141.5



#54
2,4-Dinitrophenol
Concen: 0.305 ng
RT: 14.37 min Scan# 1953
Delta R.T. 0.04 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:184 Resp: 1101
Ion Ratio Lower Upper
184 100
63 97.1 51.6 77.4#
154 73.9 45.0 67.6#

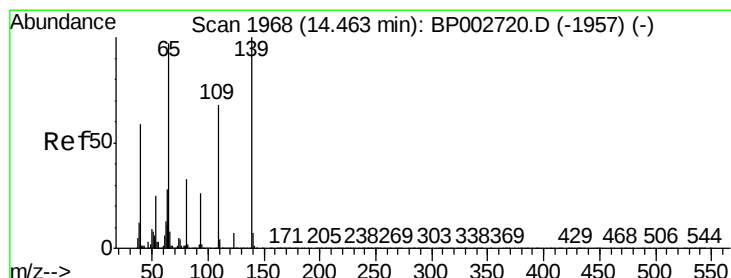
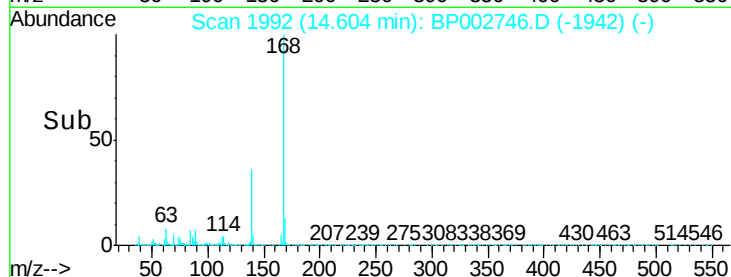
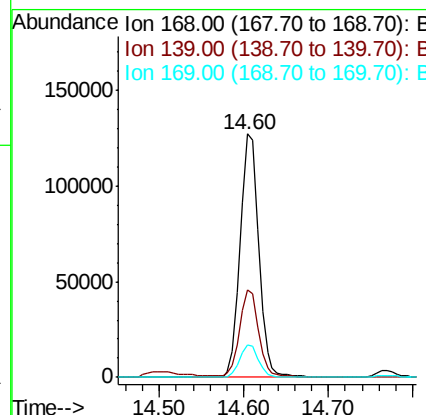
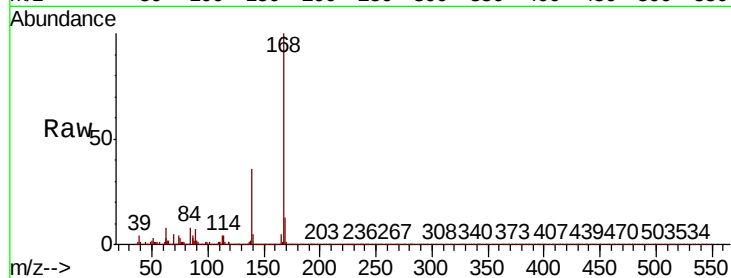




#55
Dibenzenofuran
Concen: 3.727 ng
RT: 14.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

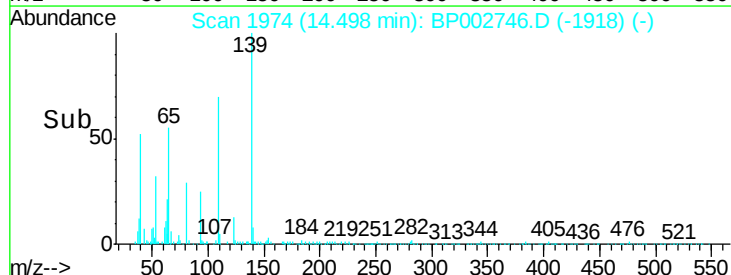
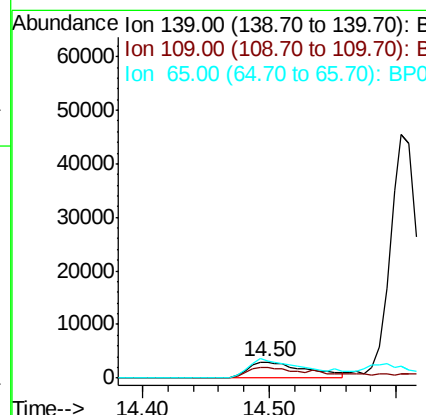
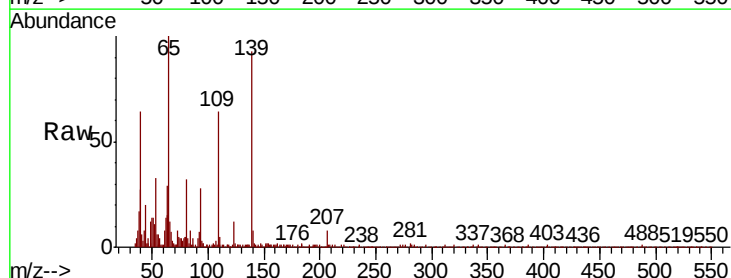
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

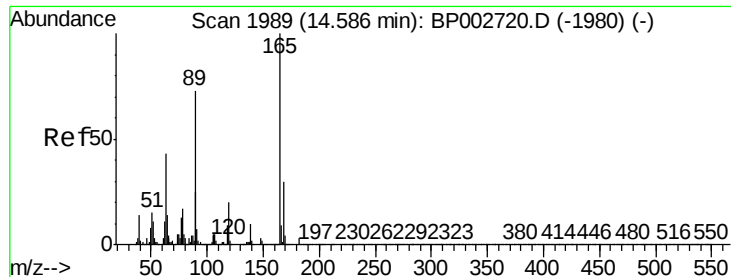
Tot Ion	Ratio	Lower	Upper
168	100		
139	35.7	27.1	40.7
169	13.2	10.8	16.2



#56
4-Nitrophenol
Concen: 1.363 ng
RT: 14.50 min Scan# 1974
Delta R.T. 0.03 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.1	48.1	88.1
65	107.6	77.9	117.9

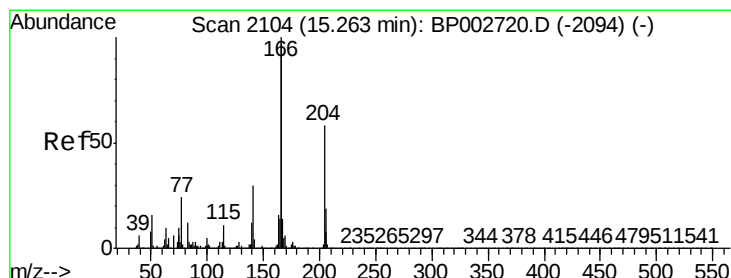
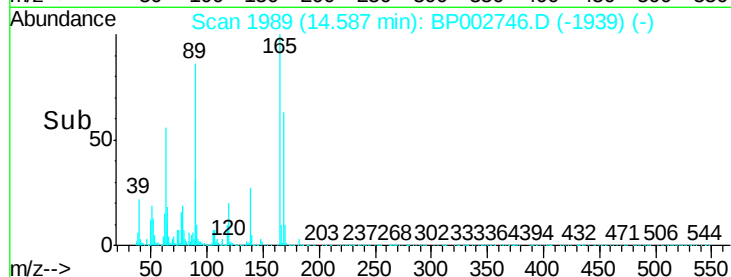
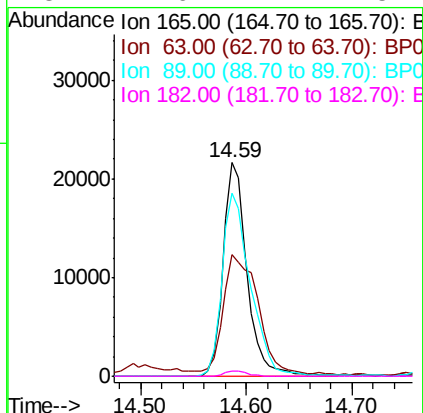
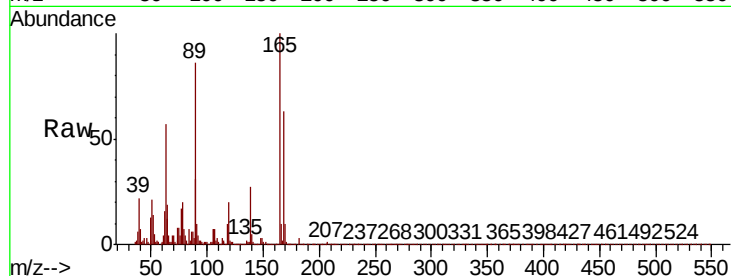




#57
2,4-Dinitrotoluene
Concen: 2.808 ng
RT: 14.59 min Scan# 1989
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

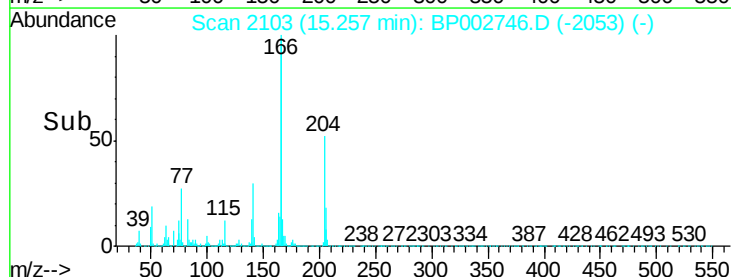
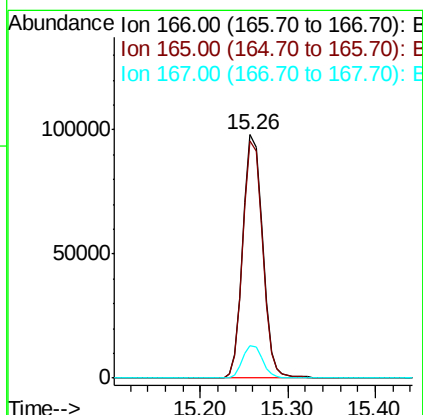
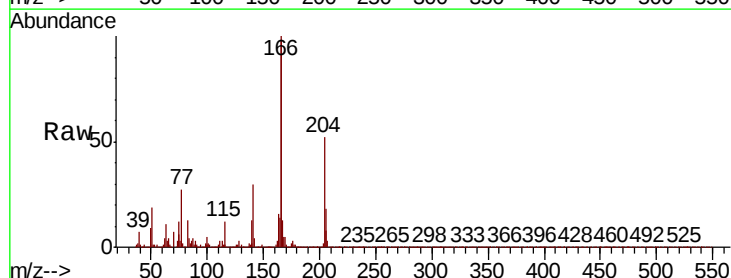
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

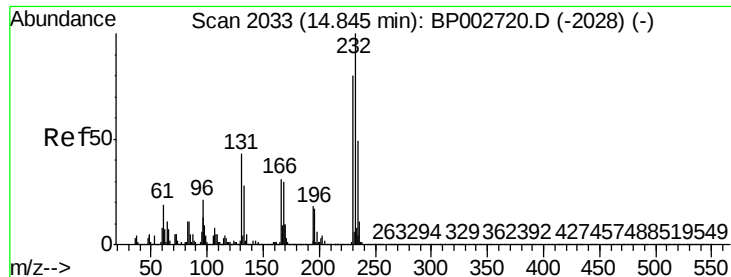
Tot Ion:165 Resp: 33978
Ion Ratio Lower Upper
165 100
63 57.1 35.1 52.7#
89 85.9 58.4 87.6
182 2.6 2.2 3.2



#58
Fluorene
Concen: 3.894 ng
RT: 15.26 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:166 Resp: 148361
Ion Ratio Lower Upper
166 100
165 97.6 77.7 116.5
167 13.1 11.0 16.6

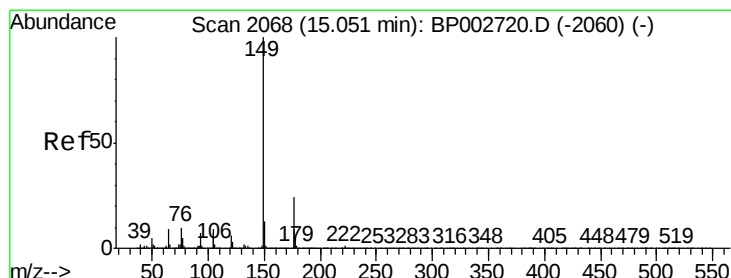
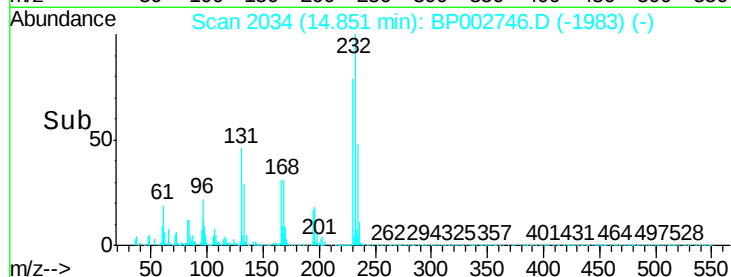
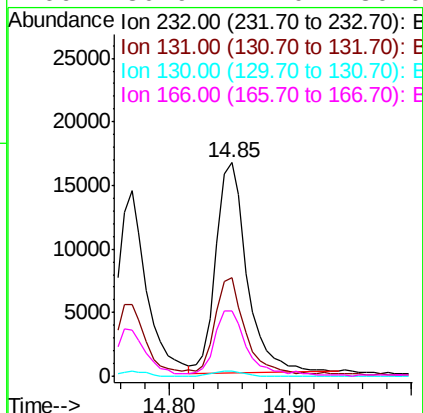
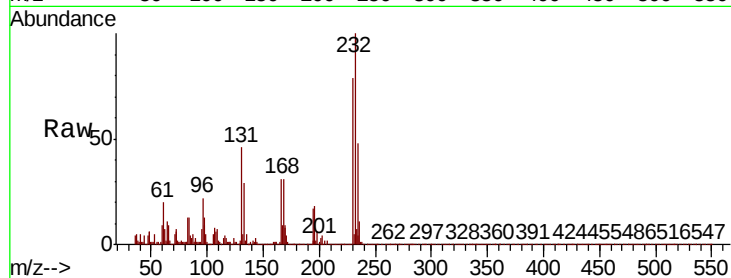




#59
2,3,4,6-Tetrachlorophenol
Concen: 2.935 ng
RT: 14.85 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

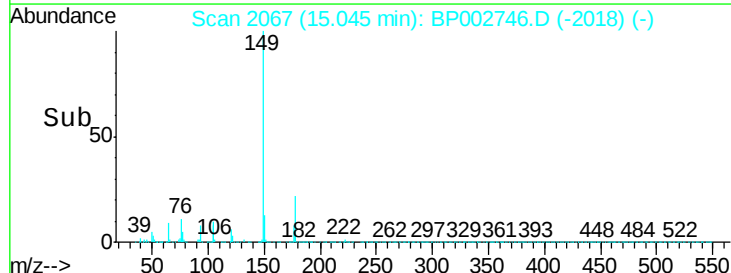
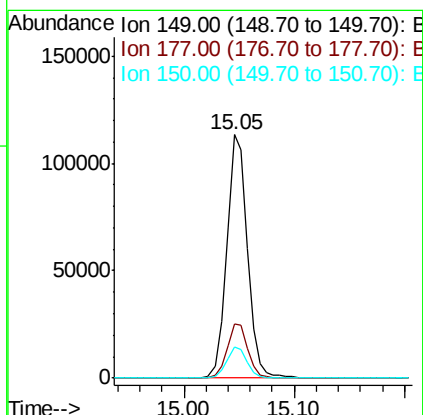
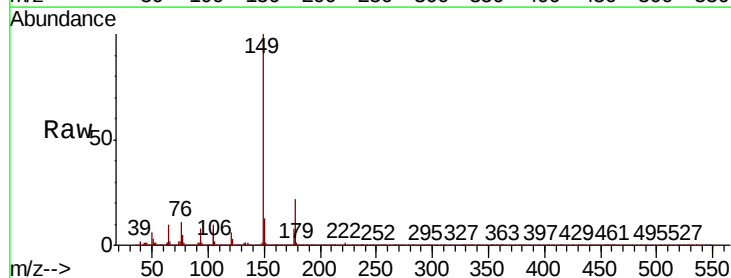
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

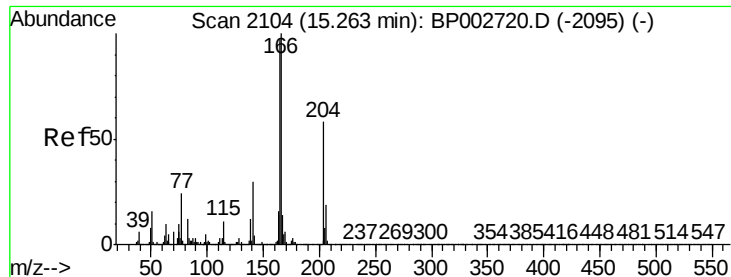
Tot Ion	Ratio	Lower	Upper
232	100		
131	43.4	34.3	51.5
130	2.4	1.8	2.6
166	30.9	24.0	36.0



#60
Diethylphthalate
Concen: 3.576 ng
RT: 15.05 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.9	28.3
150	12.6	10.1	15.1





#61

4-Chlorophenyl-phenylether

Concen: 3.805 ng

RT: 15.26 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

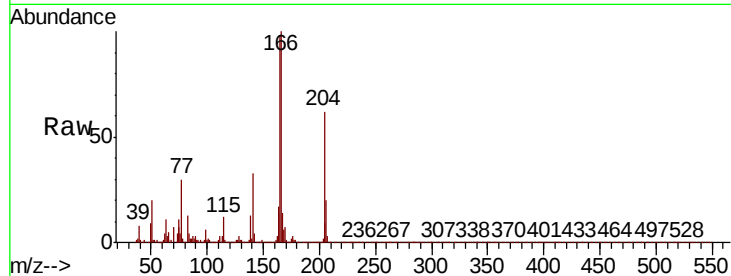
Tot Ion:204 Resp: 77024

Ion Ratio Lower Upper

204 100

206 31.7 26.1 39.1

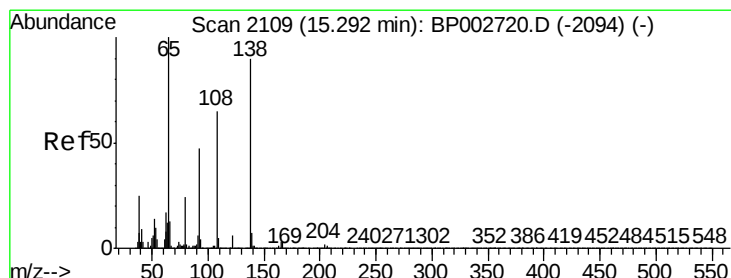
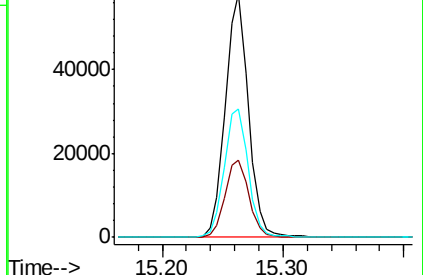
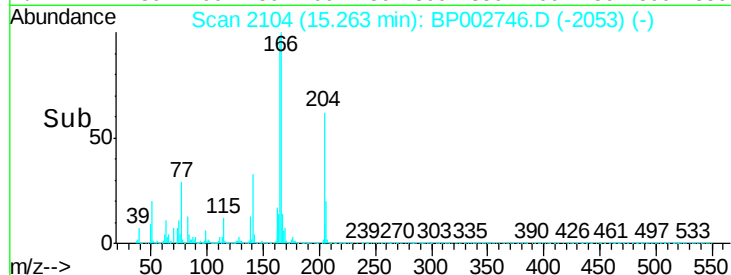
141 53.0 41.8 62.8



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: 2.542 ng

RT: 15.29 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

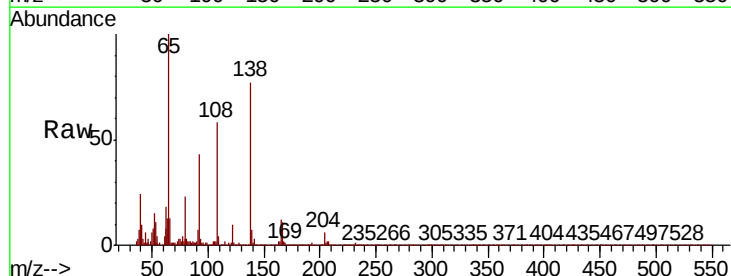
Tgt Ion:138 Resp: 25866

Ion Ratio Lower Upper

138 100

92 56.3 32.0 72.0

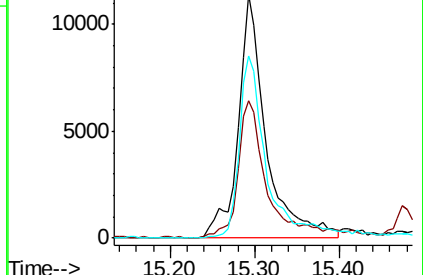
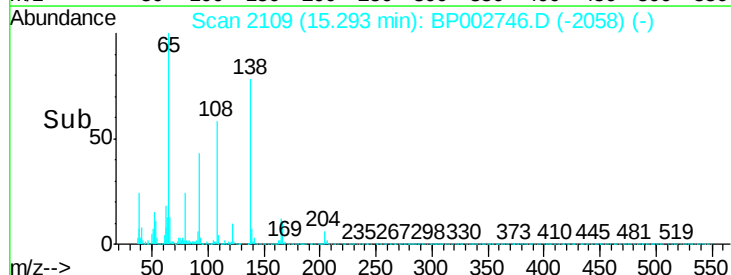
108 74.9 52.2 92.2

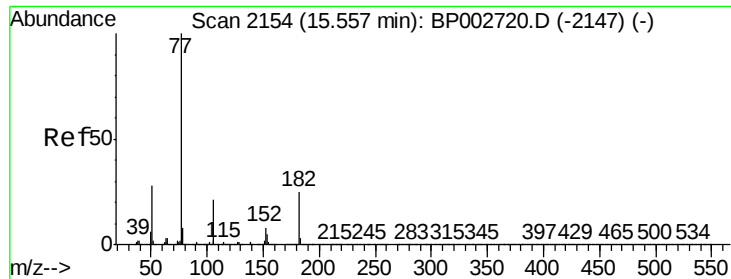


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BP0

Ion 108.00 (107.70 to 108.70): E

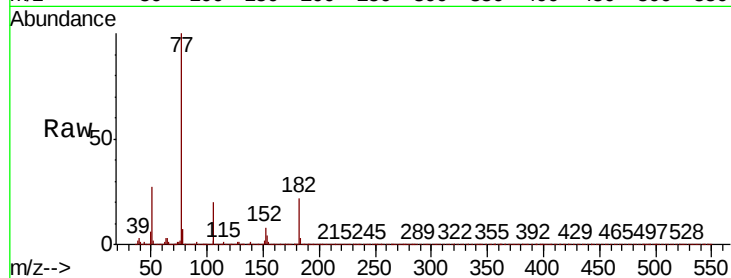




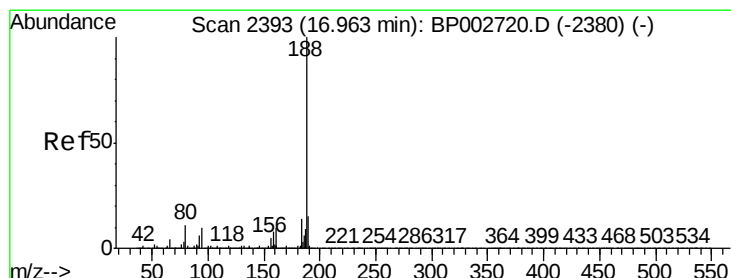
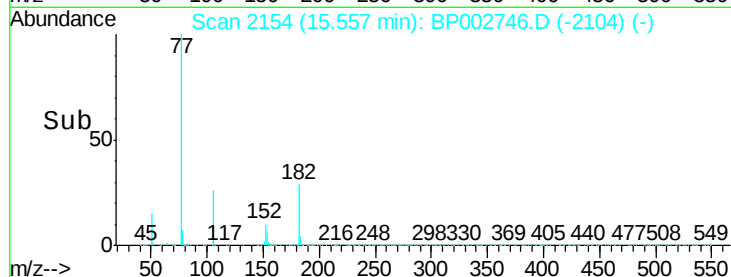
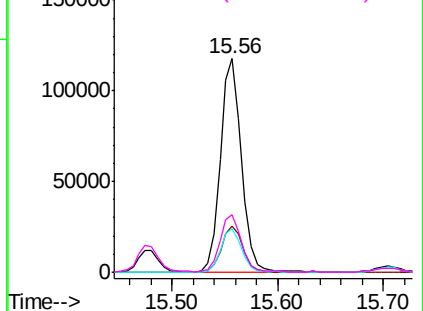
#63
Azobenzene
Concen: 3.777 ng
RT: 15.56 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:	77	Resp:	161614
Ion	Ratio	Lower	Upper
77	100		
182	21.9	5.1	45.1
105	20.2	0.8	40.8
51	27.3	7.6	47.6

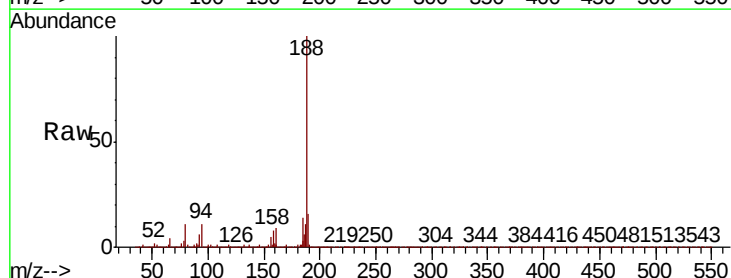


Abundance Ion 77.00 (76.70 to 77.70): BP0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BP0

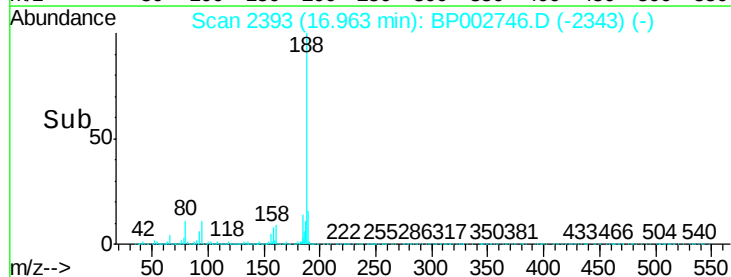
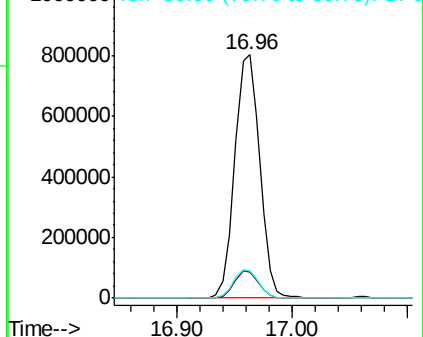


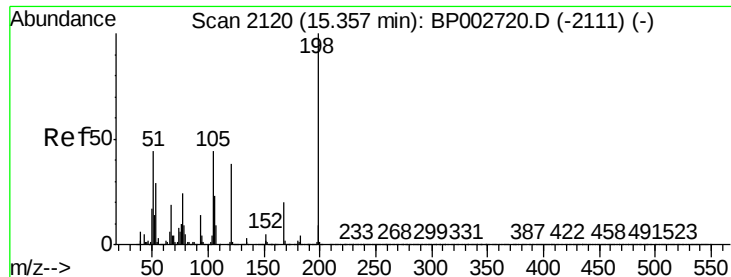
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:	188	Resp:	1199892
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.1	12.1
80	11.4	8.9	13.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BP0
Ion 80.00 (79.70 to 80.70): BP0

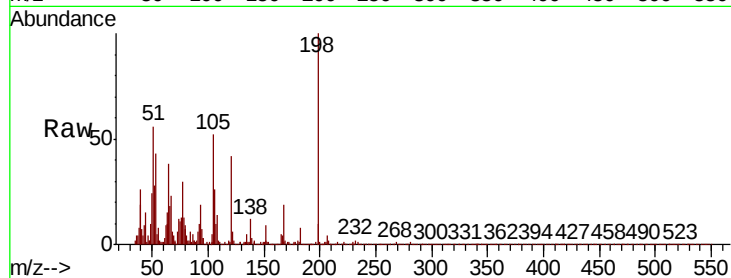




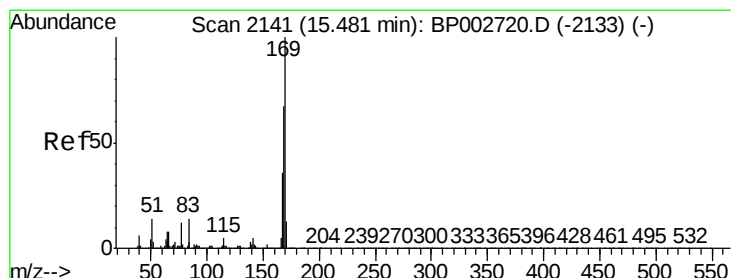
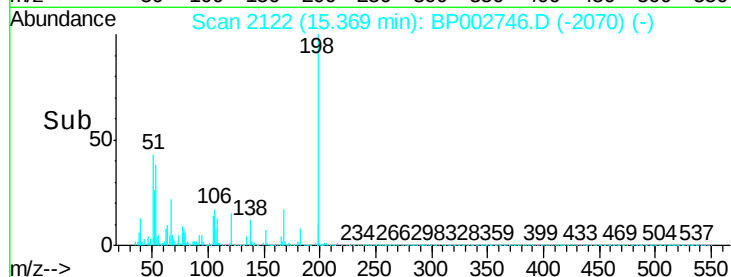
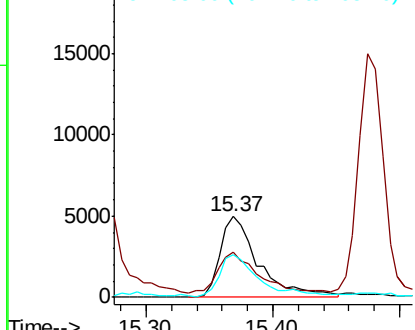
#65
4,6-Dinitro-2-methylphenol
Concen: 1.607 ng
RT: 15.37 min Scan# 2122
Delta R.T. 0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

Tot Ion:198 Resp: 10446
Ion Ratio Lower Upper
198 100
51 55.8 27.1 67.1
105 52.4 24.9 64.9

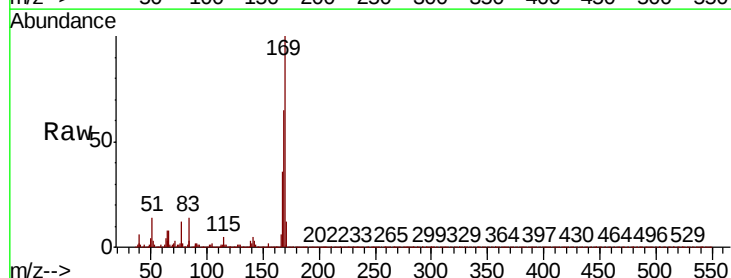


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BP0
Ion 105.00 (104.70 to 105.70): E

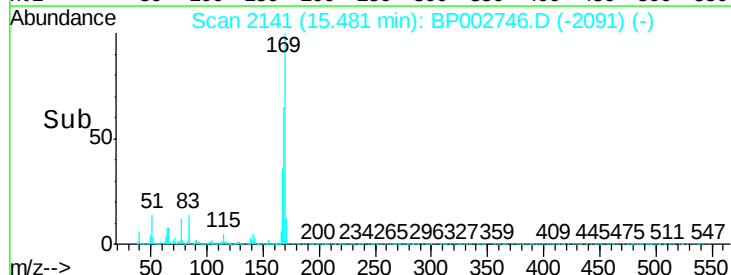
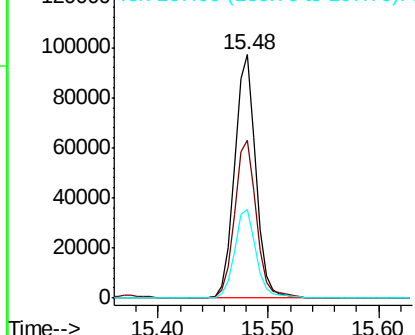


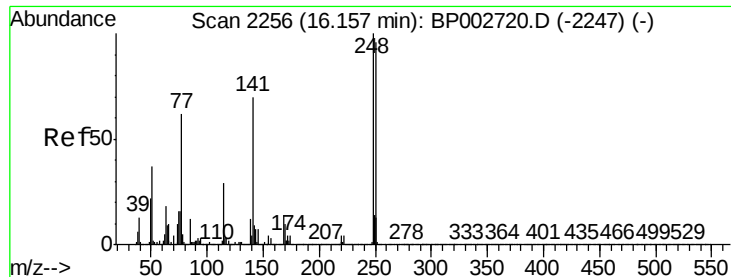
#66
n-Nitrosodiphenylamine
Concen: 3.713 ng
RT: 15.48 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:169 Resp: 131610
Ion Ratio Lower Upper
169 100
168 64.6 53.4 80.0
167 36.3 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: 3.242 ng

RT: 16.16 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

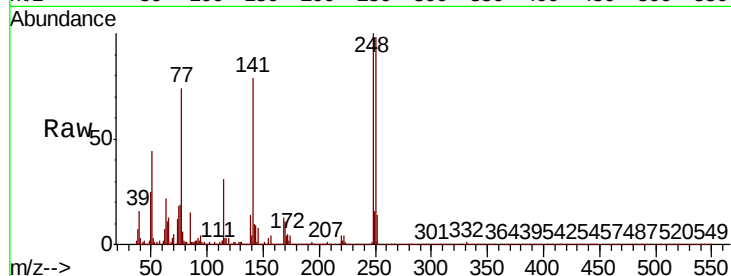
Tot Ion:248 Resp: 42376

Ion Ratio Lower Upper

248 100

250 98.4 76.7 115.1

141 78.6 55.9 83.9

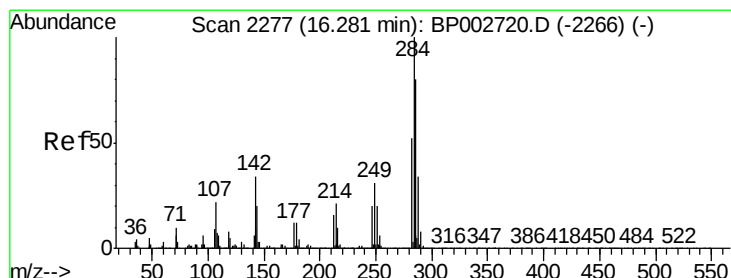
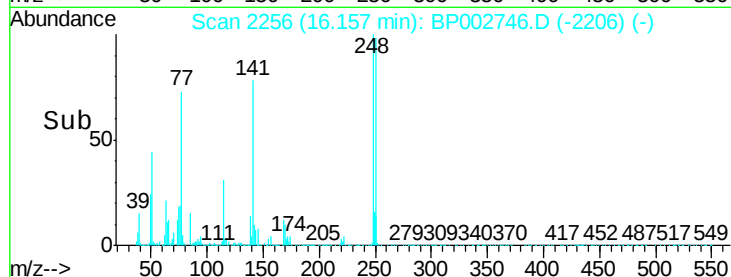
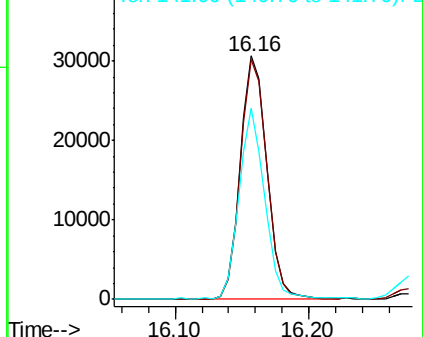


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 3.509 ng

RT: 16.27 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

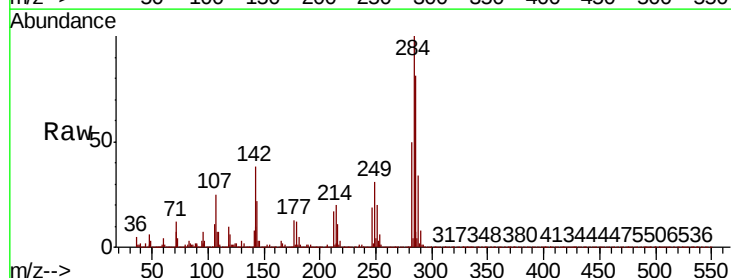
Tgt Ion:284 Resp: 48319

Ion Ratio Lower Upper

284 100

142 37.8 26.9 40.3

249 30.8 24.6 37.0

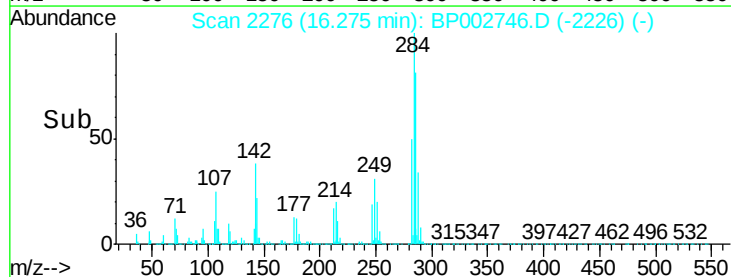
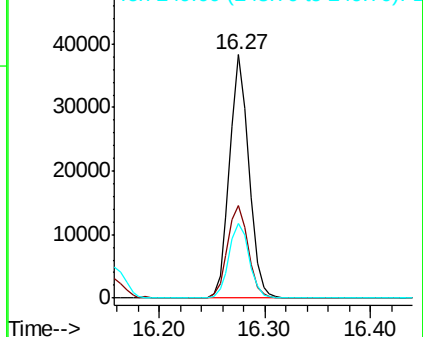


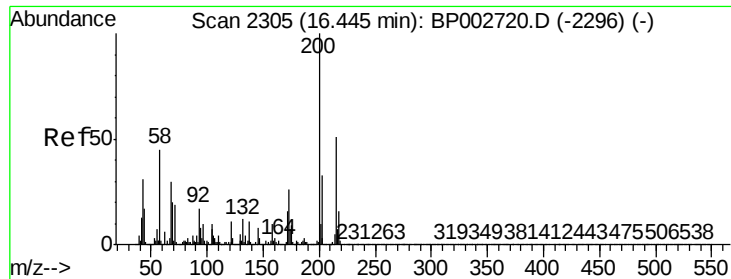
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 4.033 ng

RT: 16.44 min Scan# 2304

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

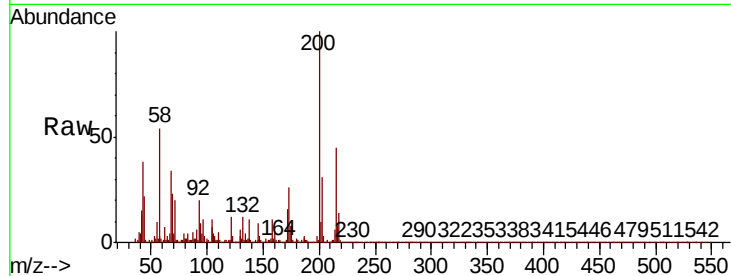
Tot Ion:200 Resp: 39025

Ion Ratio Lower Upper

200 100

173 26.4 6.3 46.3

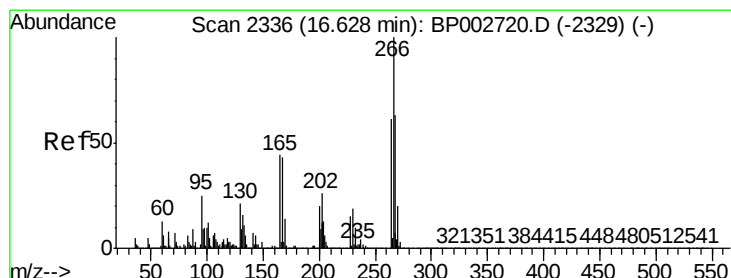
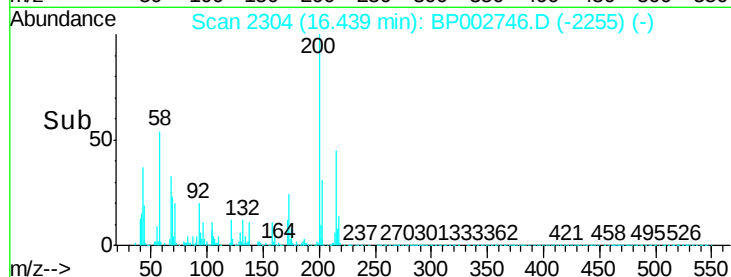
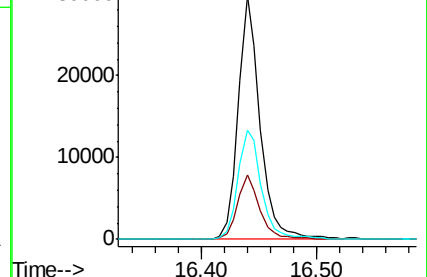
215 44.9 30.6 70.6



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 1.183 ng

RT: 16.65 min Scan# 2339

Delta R.T. 0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

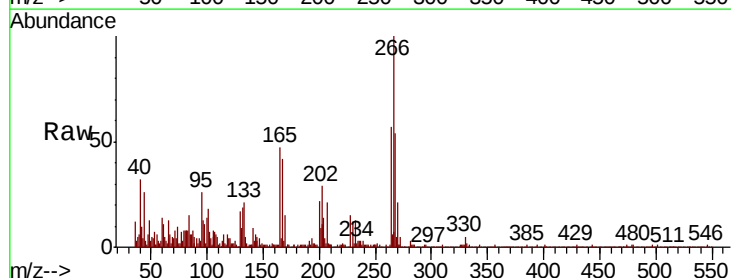
Tgt Ion:266 Resp: 6382

Ion Ratio Lower Upper

266 100

268 53.8 50.6 75.8

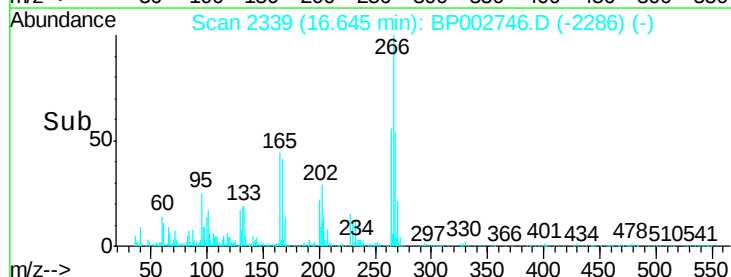
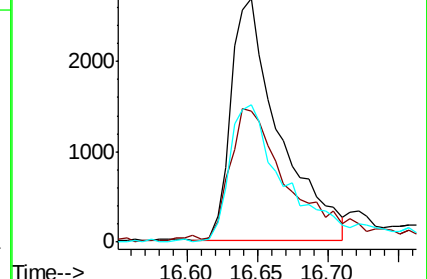
264 56.5 48.6 72.8

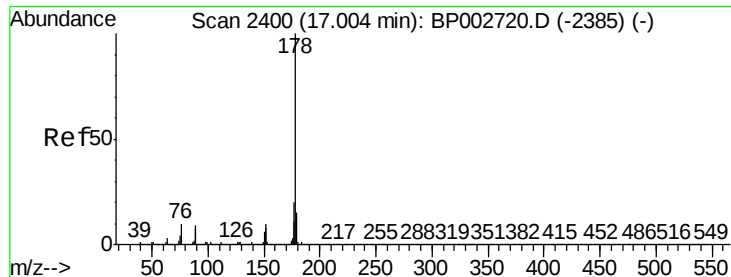


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 3.784 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

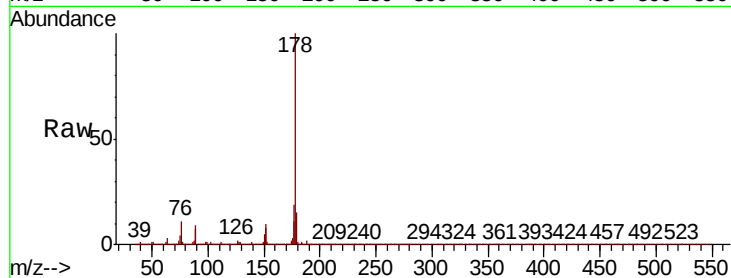
Tot Ion:178 Resp: 245815

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

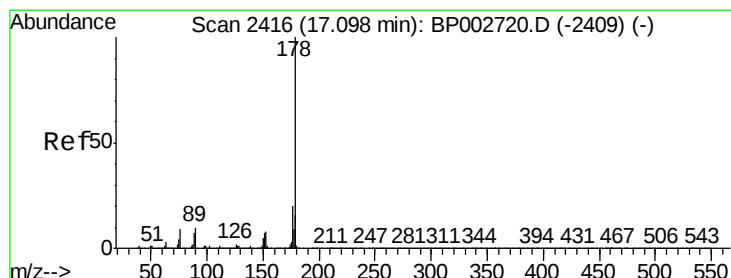
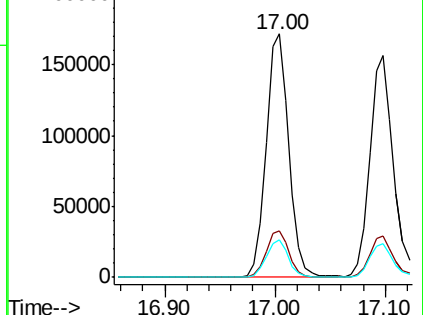
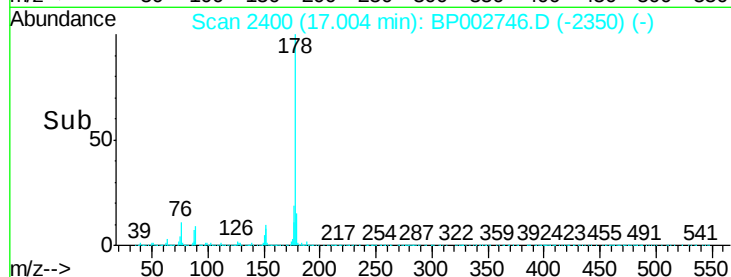
179 15.3 12.3 18.5



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: 3.683 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

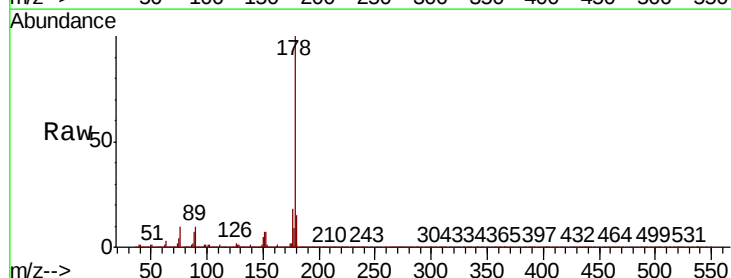
Tgt Ion:178 Resp: 234822

Ion Ratio Lower Upper

178 100

176 18.4 15.6 23.4

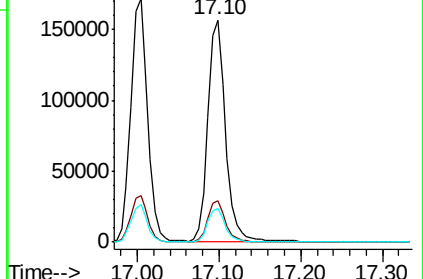
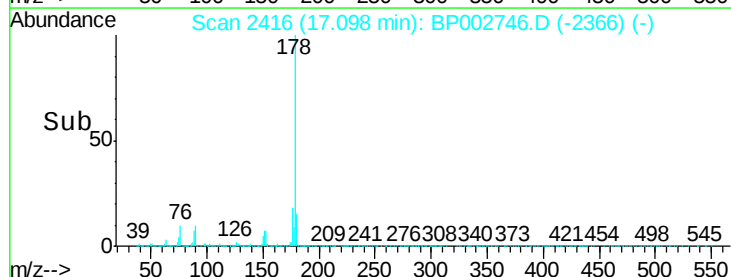
179 14.9 12.6 19.0

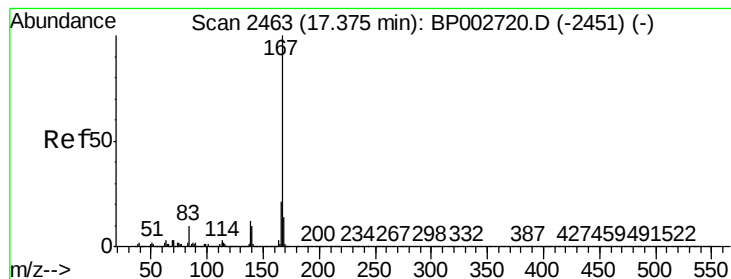


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 3.334 ng

RT: 17.37 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

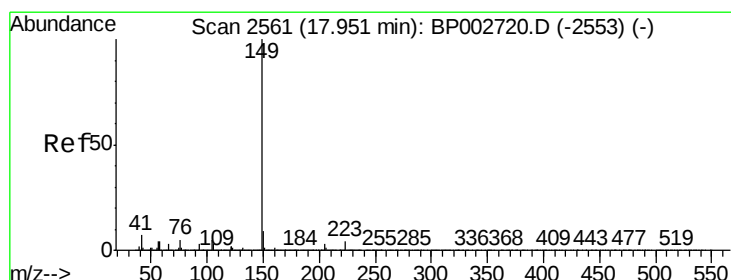
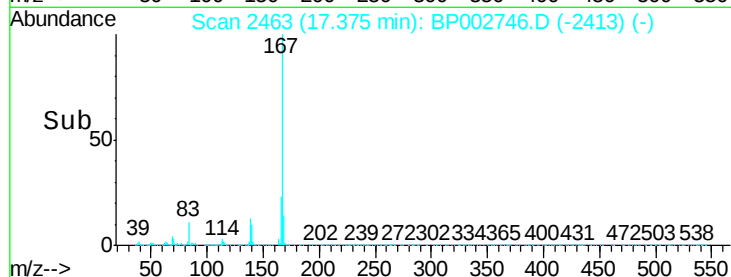
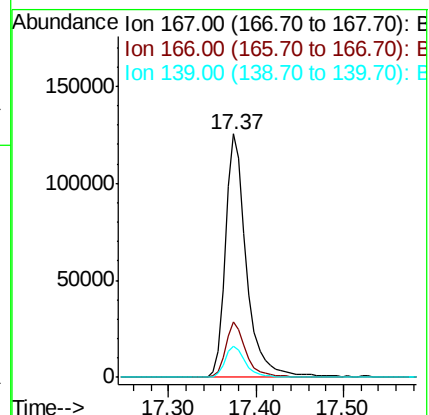
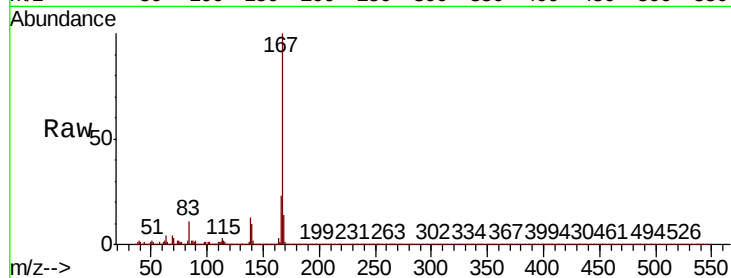
Tot Ion:167 Resp: 208594

Ion Ratio Lower Upper

167 100

166 22.6 17.1 25.7

139 13.0 9.6 14.4



#74

Di-n-butylphthalate

Concen: 3.304 ng

RT: 17.95 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

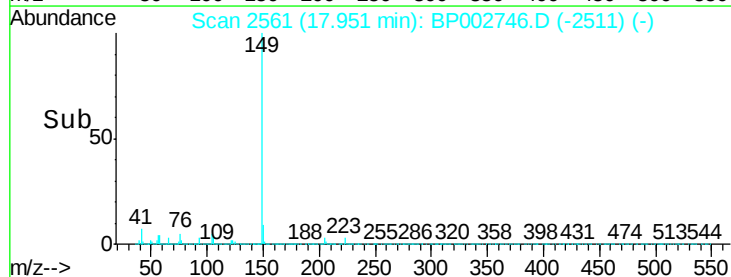
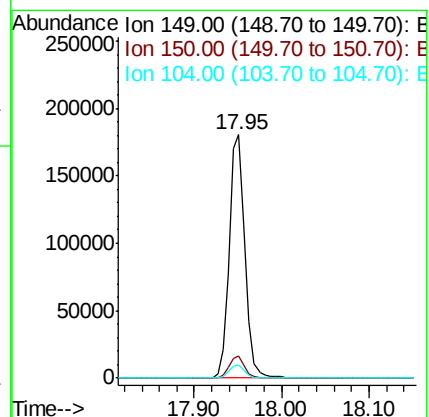
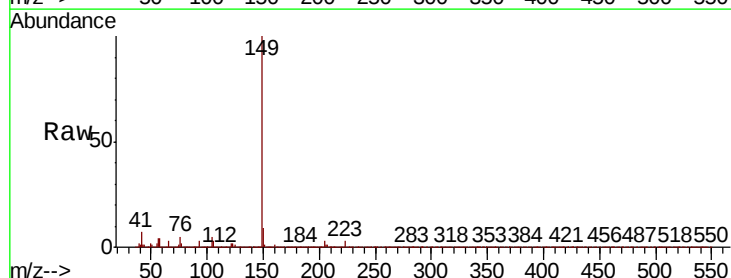
Tgt Ion:149 Resp: 224154

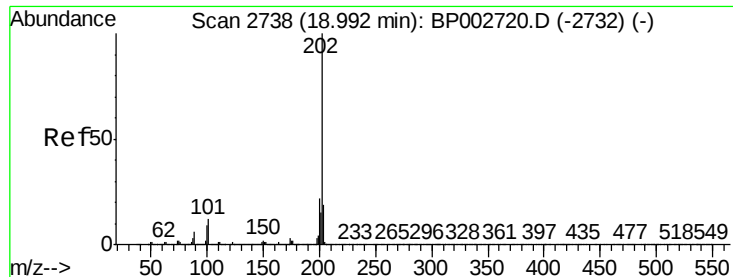
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 5.3 4.0 6.0





#75

Fluoranthene

Concen: 3.568 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

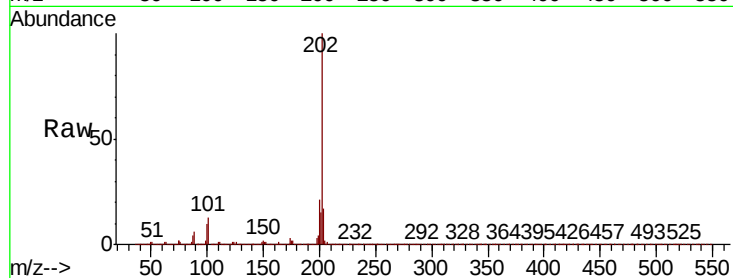
Tot Ion:202 Resp: 268559

Ion Ratio Lower Upper

202 100

101 12.9 0.0 32.5

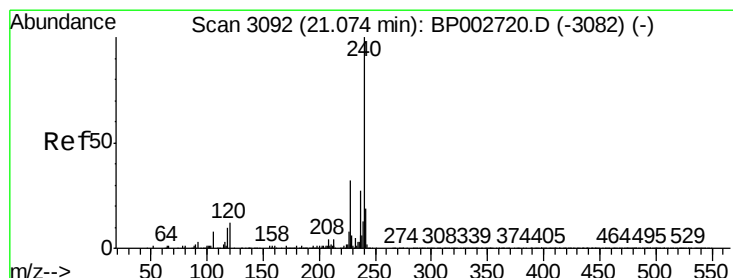
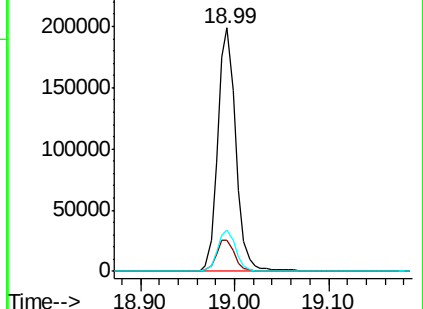
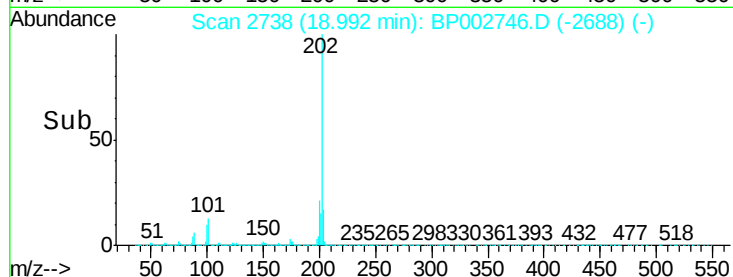
203 17.3 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.07 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

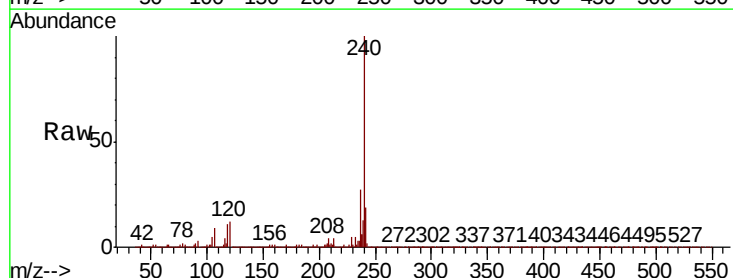
Tgt Ion:240 Resp: 1150908

Ion Ratio Lower Upper

240 100

120 12.3 9.4 14.2

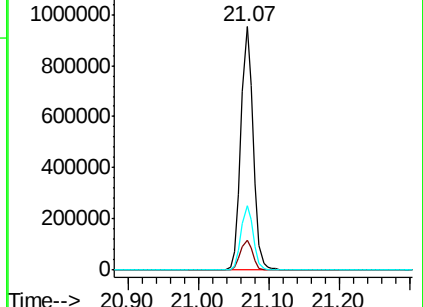
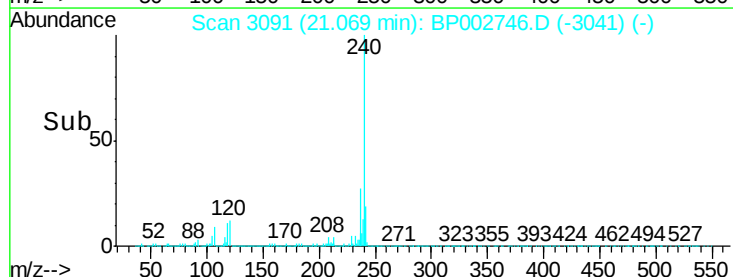
236 26.6 21.3 31.9

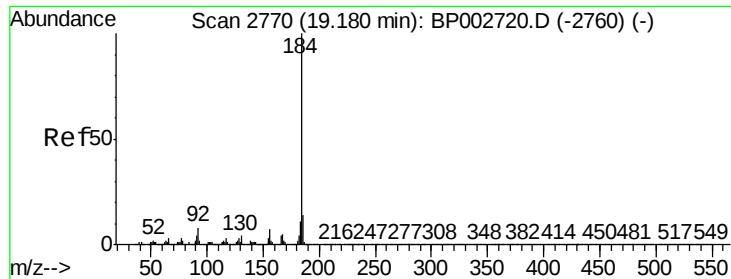


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

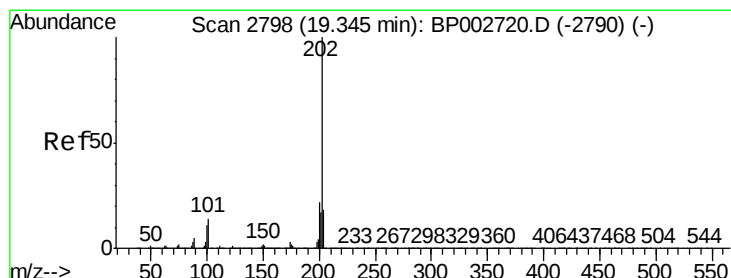
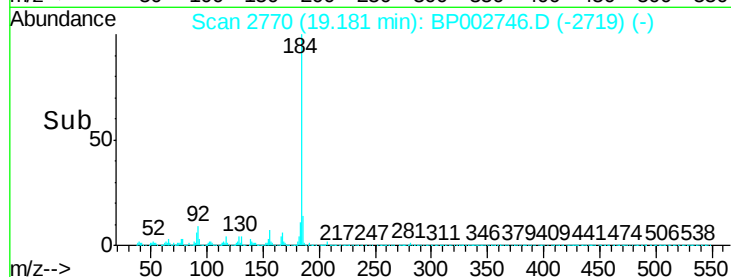
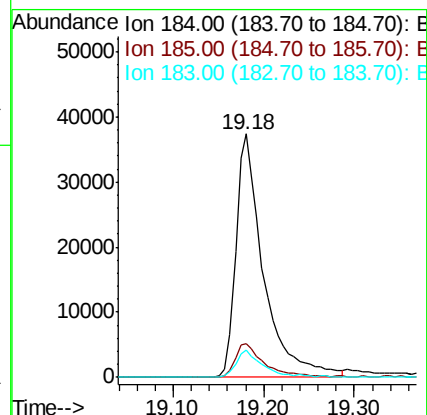
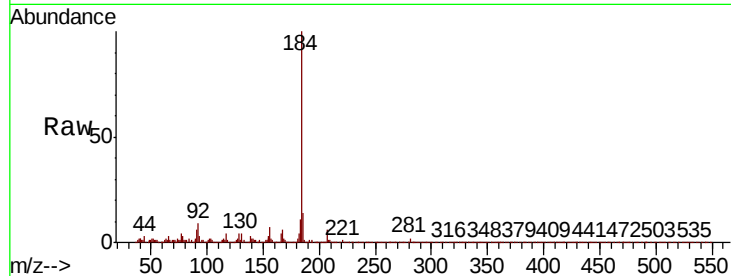




#77
Benzidine
Concen: 2.773 ng
RT: 19.18 min Scan# 2770
Delta R.T. 0.00 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

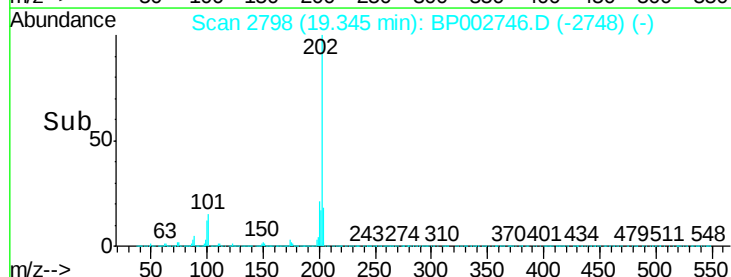
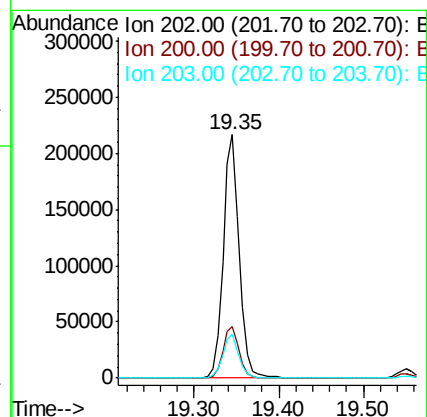
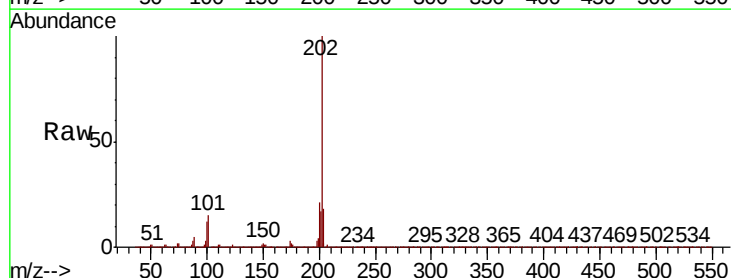
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT3-2020

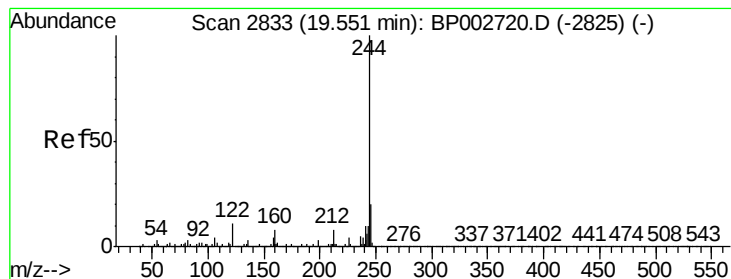
Tot Ion:184 Resp: 79102
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.2
183 11.4 9.0 13.4



#78
Pyrene
Concen: 3.593 ng
RT: 19.35 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BP002746.D
Acq: 14 Jul 2020 12:59

Tgt Ion:202 Resp: 285497
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.8 14.5 21.7





#79

Terphenyl-d14

Concen: 58.417 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

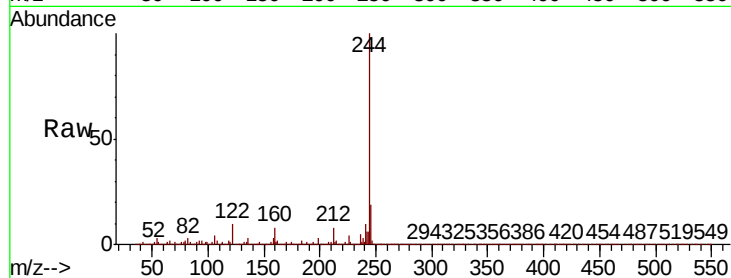
Tot Ion:244 Resp: 2932452

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

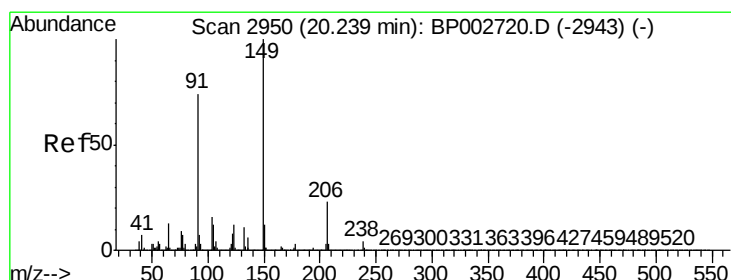
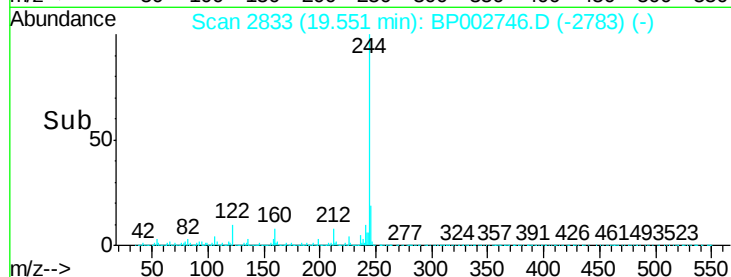
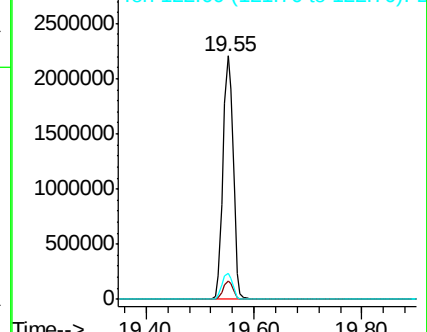
122 10.5 8.9 13.3



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: 2.912 ng

RT: 20.23 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

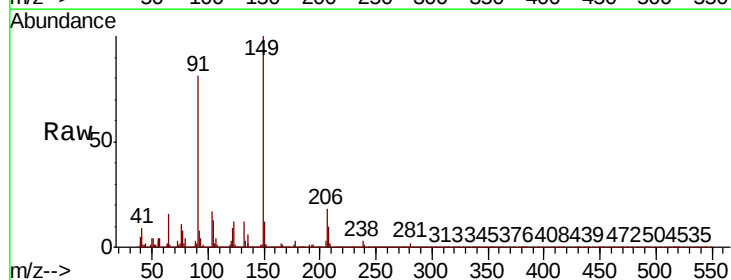
Tgt Ion:149 Resp: 91312

Ion Ratio Lower Upper

149 100

91 81.5 59.4 89.2

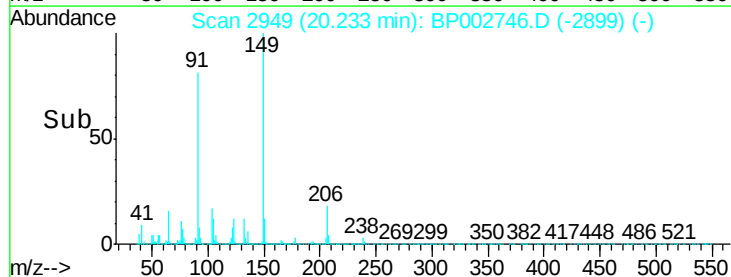
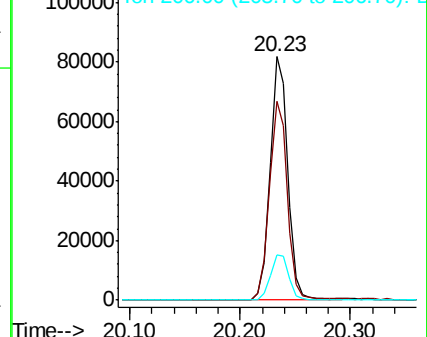
206 18.4 18.3 27.5

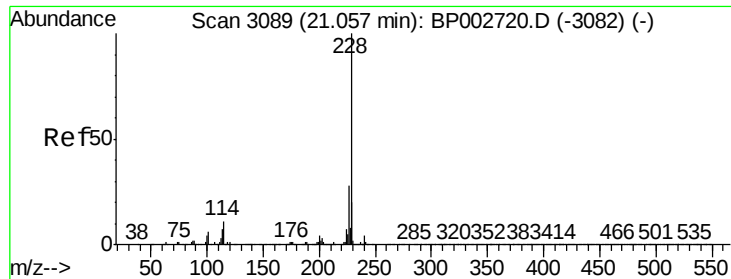


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3.614 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

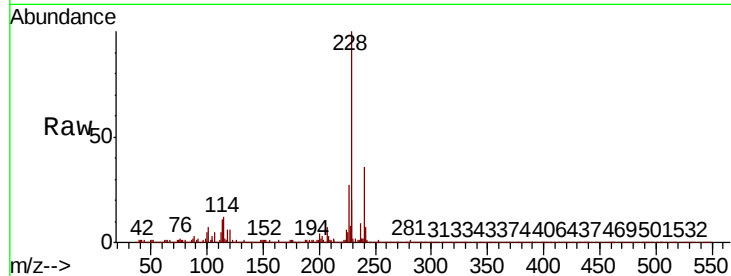
Tot Ion:228 Resp: 269246

Ion Ratio Lower Upper

228 100

226 27.3 22.6 34.0

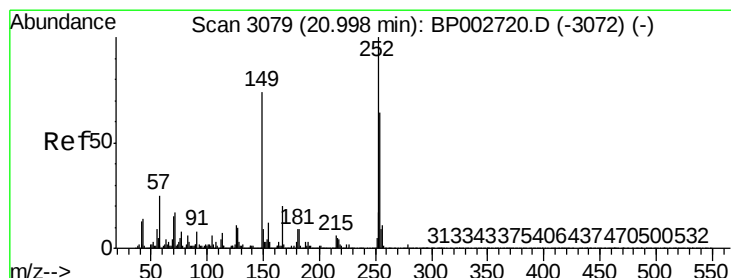
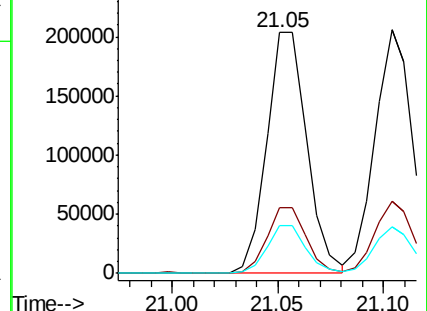
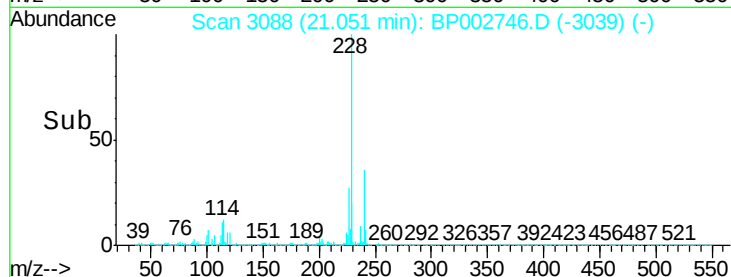
229 19.9 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 3.170 ng

RT: 21.00 min Scan# 3079

Delta R.T. 0.00 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

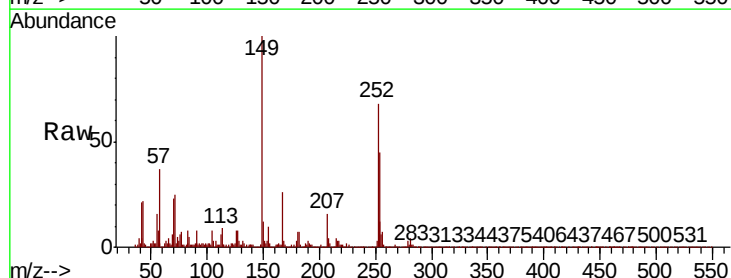
Tgt Ion:252 Resp: 78207

Ion Ratio Lower Upper

252 100

254 66.2 51.0 76.4

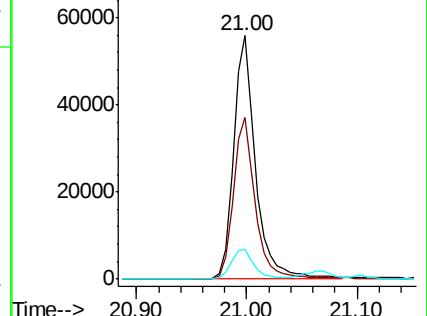
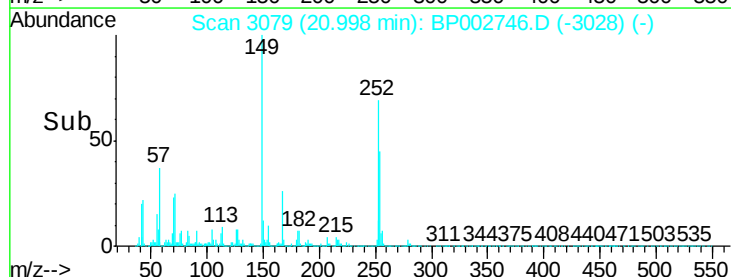
126 12.3 8.4 12.6

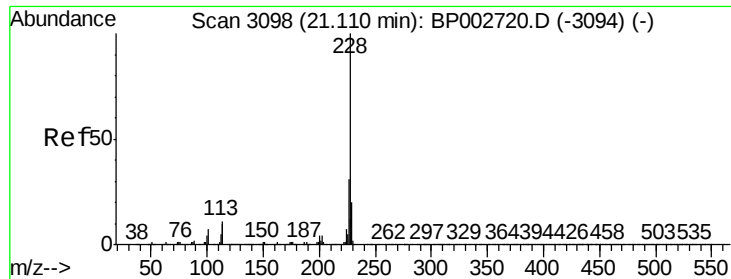


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 3.687 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

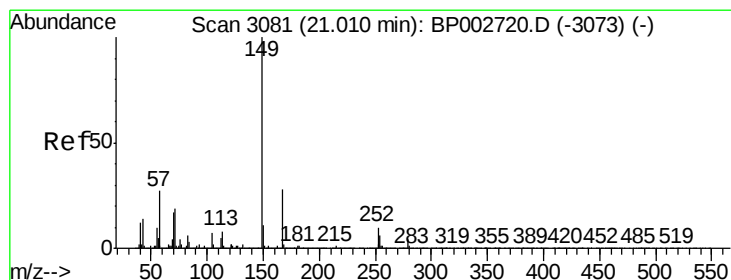
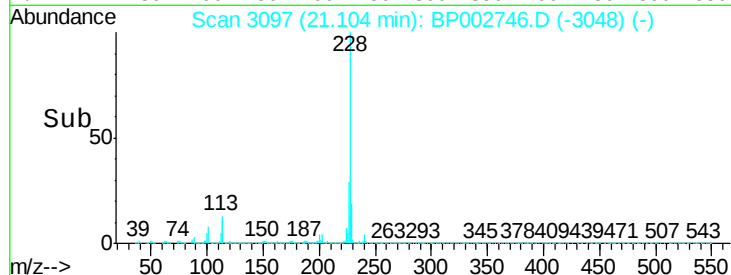
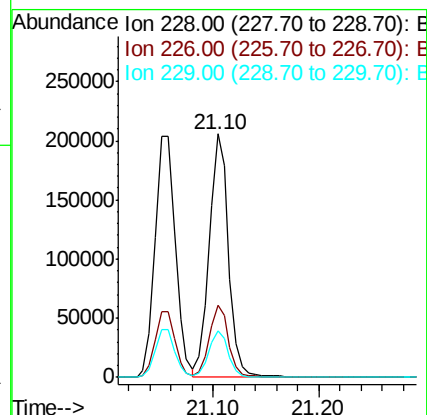
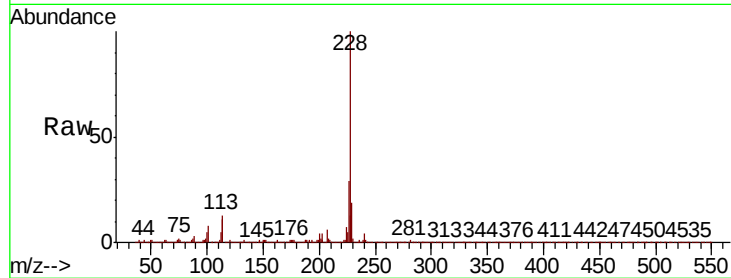
Tot Ion:228 Resp: 261439

Ion Ratio Lower Upper

228 100

226 29.5 24.6 37.0

229 19.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.297 ng

RT: 21.00 min Scan# 3080

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

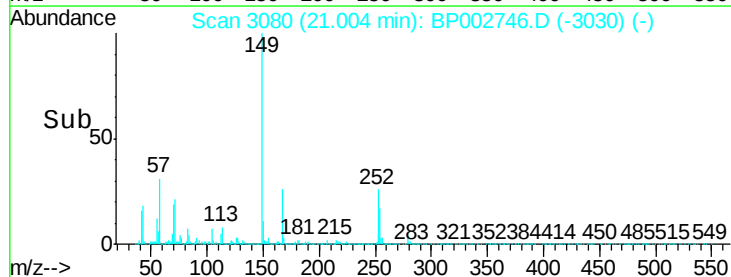
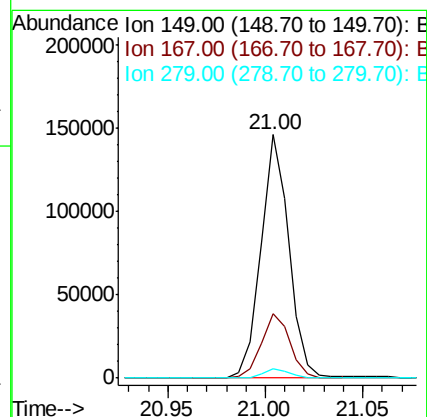
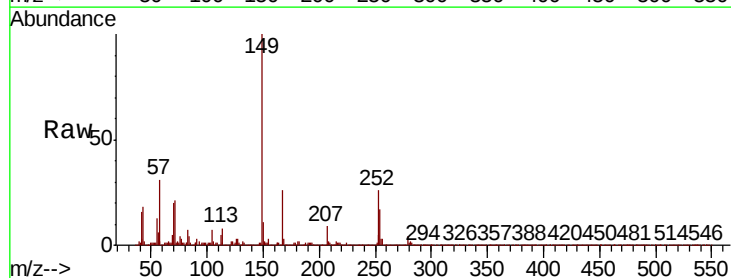
Tgt Ion:149 Resp: 143801

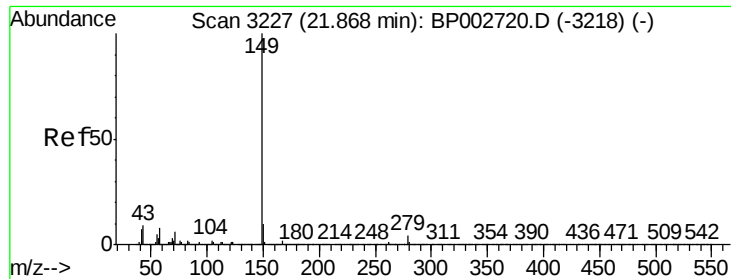
Ion Ratio Lower Upper

149 100

167 26.2 22.4 33.6

279 3.6 3.5 5.3





#85

Di-n-octyl phthalate

Concen: 2.898 ng

RT: 21.86 min Scan# 3226

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

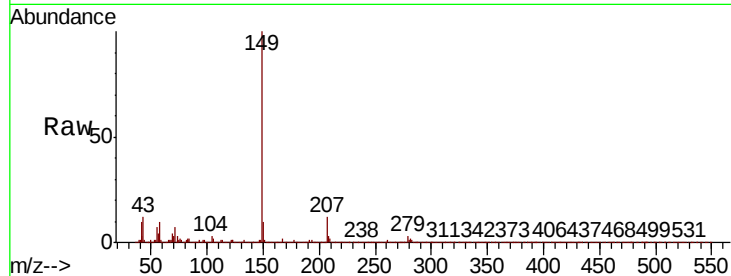
Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

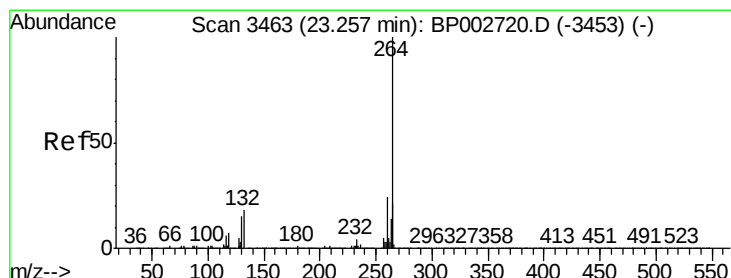
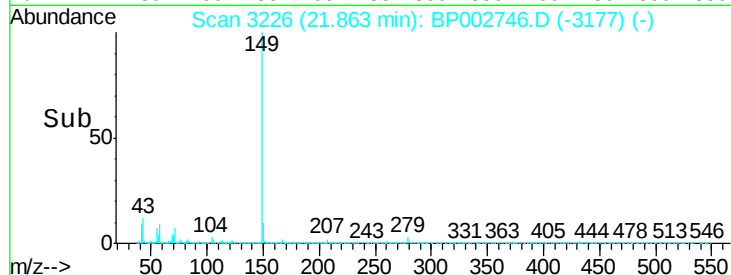
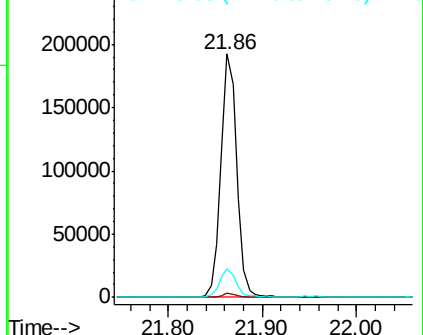
Tot Ion:	149	Resp:	227220
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.7	8.2	12.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BP0



#86

Perylene-d12

Concen: 20.000 ng

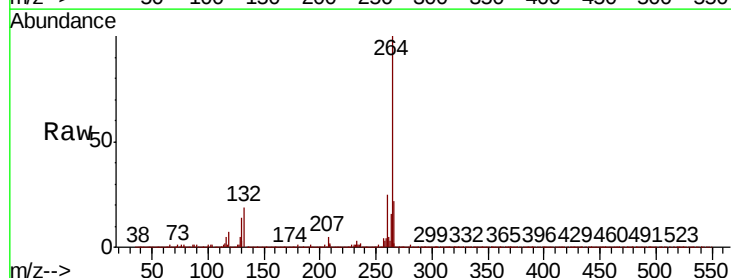
RT: 23.26 min Scan# 3463

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

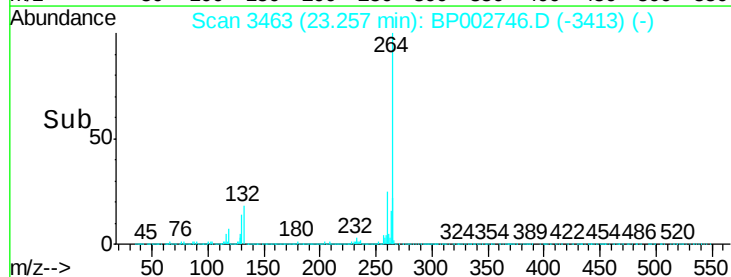
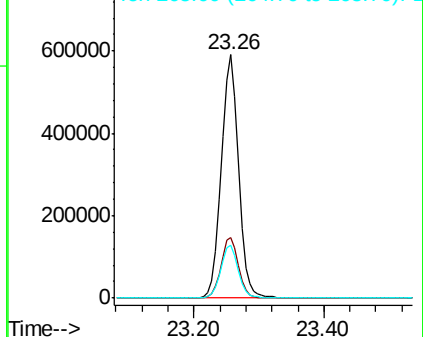
Tgt Ion:	264	Resp:	1089575
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	21.7	16.8	25.2

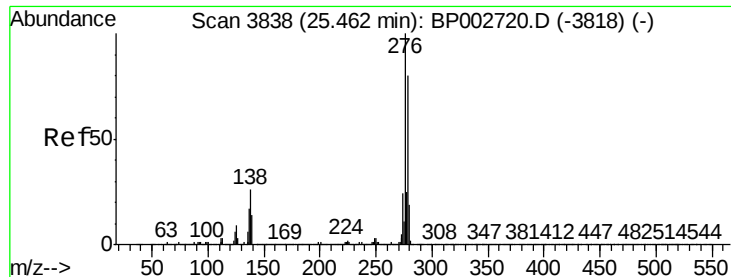


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

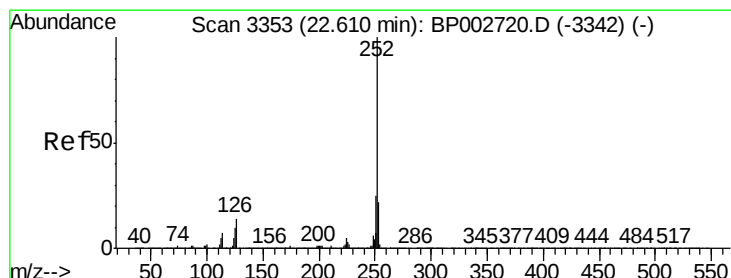
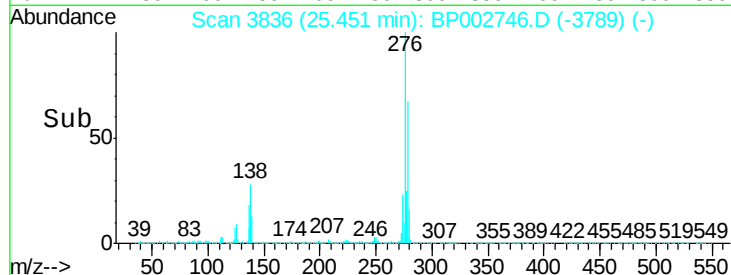
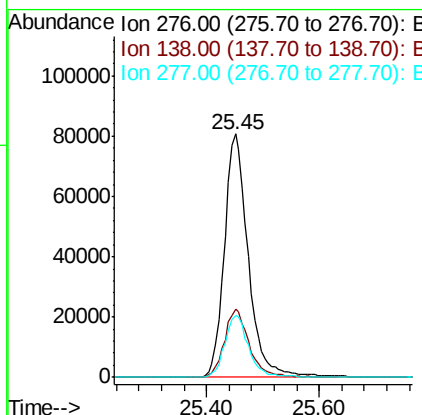
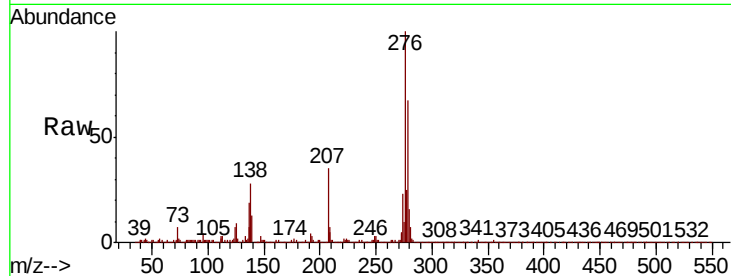




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.025 ng
 RT: 25.45 min Scan# 3836
 Delta R.T. -0.02 min
 Lab File: BP002746.D
 Acq: 14 Jul 2020 12:59

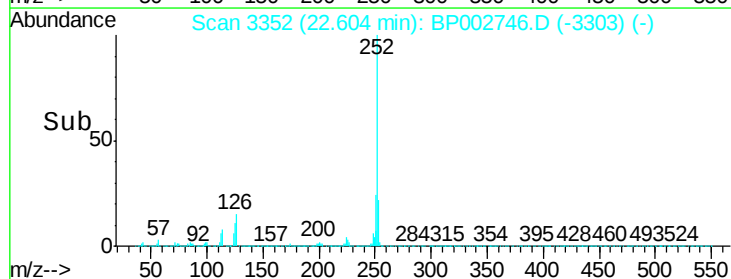
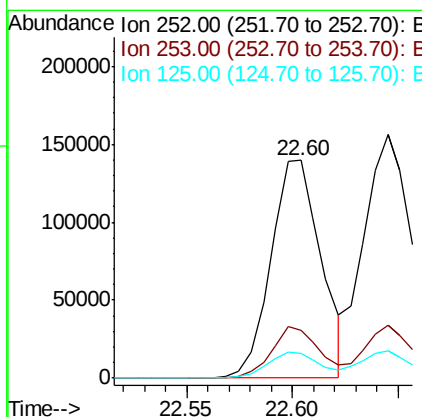
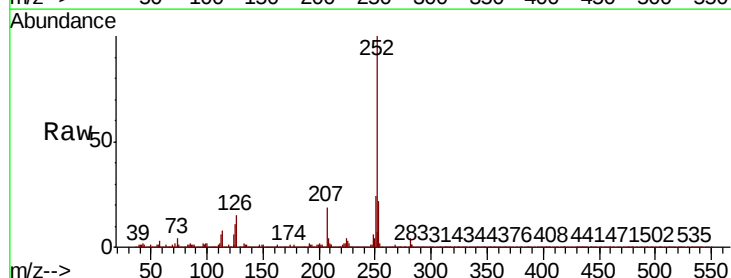
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

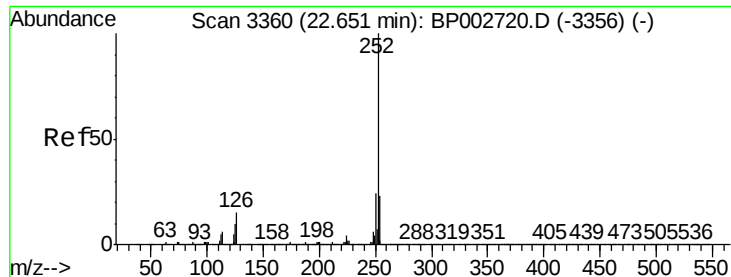
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	20.8	31.2
277	25.5	20.0	30.0



#88
 Benzo(b)fluoranthene
 Concen: 3.396 ng
 RT: 22.60 min Scan# 3352
 Delta R.T. -0.01 min
 Lab File: BP002746.D
 Acq: 14 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.2	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 3.898 ng

RT: 22.65 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

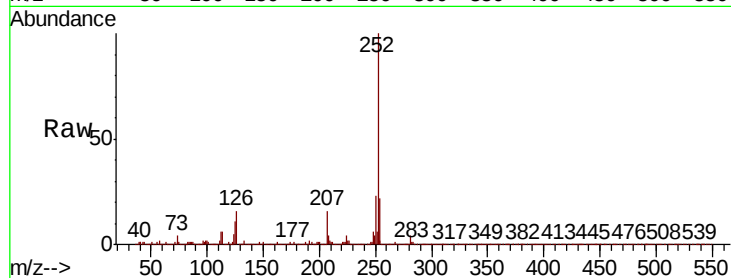
Tot Ion:252 Resp: 259761

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 11.4 8.3 12.5

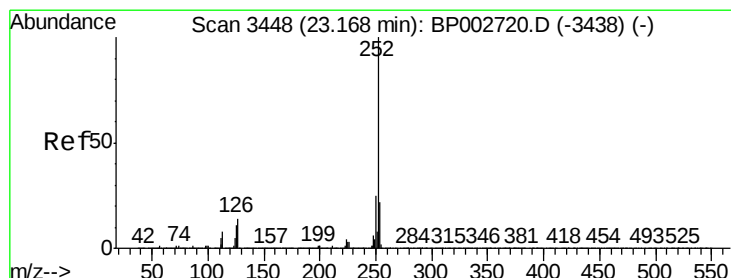
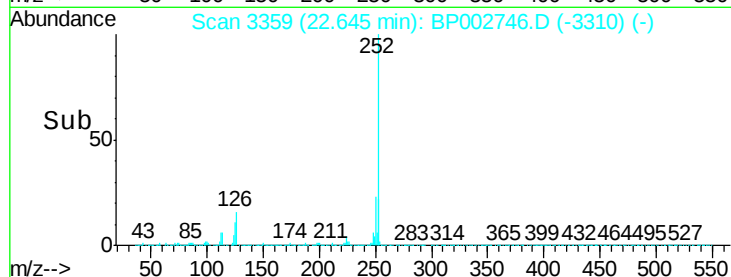
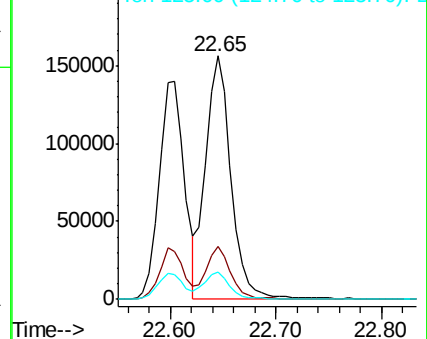


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 3.354 ng

RT: 23.16 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

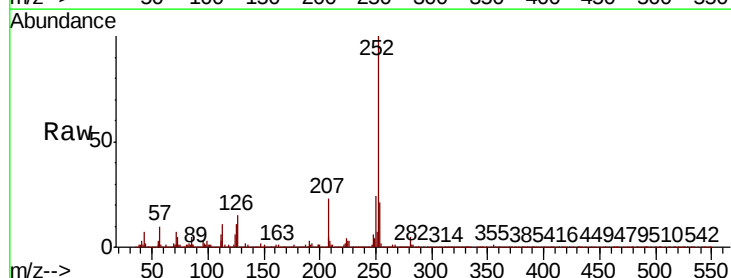
Tgt Ion:252 Resp: 215037

Ion Ratio Lower Upper

252 100

253 20.9 17.6 26.4

125 11.5 8.6 13.0

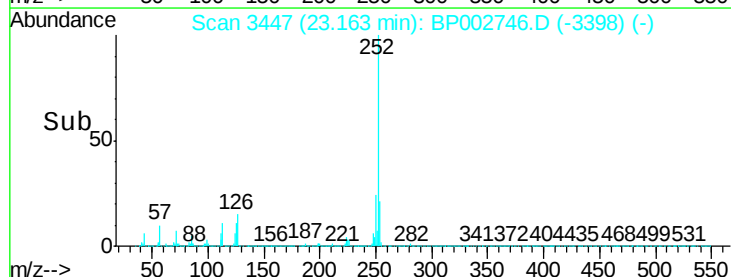
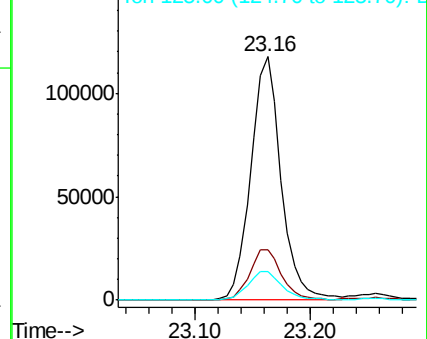


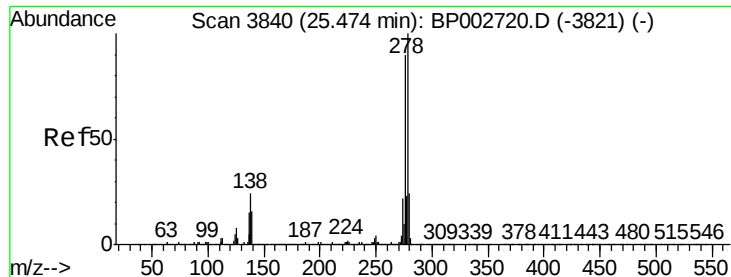
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 3.103 ng

RT: 25.46 min Scan# 3838

Delta R.T. -0.02 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT3-2020

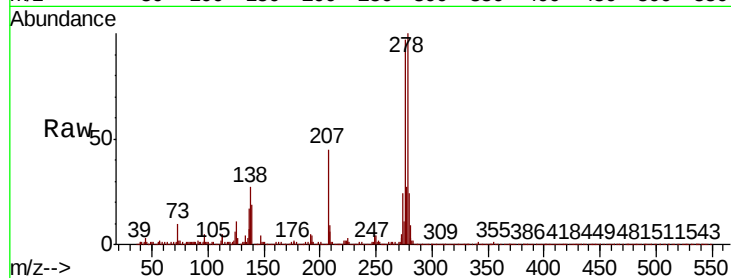
Tot Ion:278 Resp: 197092

Ion Ratio Lower Upper

278 100

139 19.0 13.1 19.7

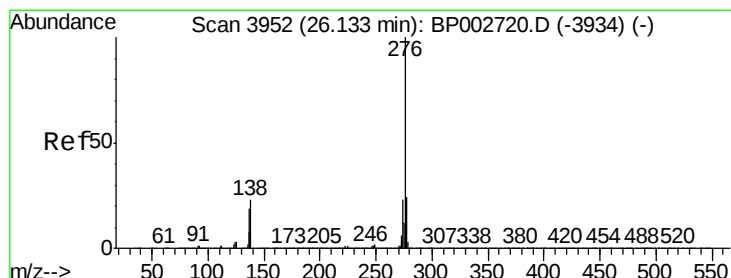
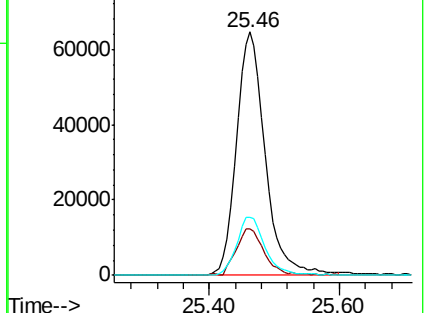
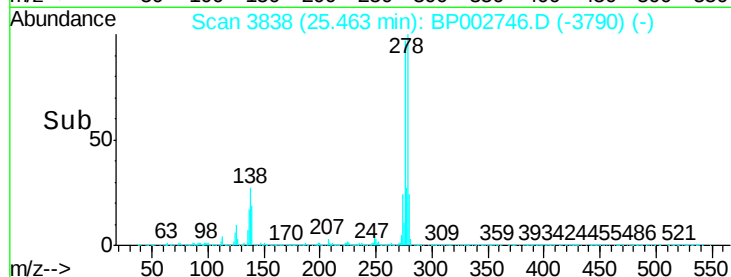
279 24.1 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.071 ng

RT: 26.12 min Scan# 3949

Delta R.T. -0.03 min

Lab File: BP002746.D

Acq: 14 Jul 2020 12:59

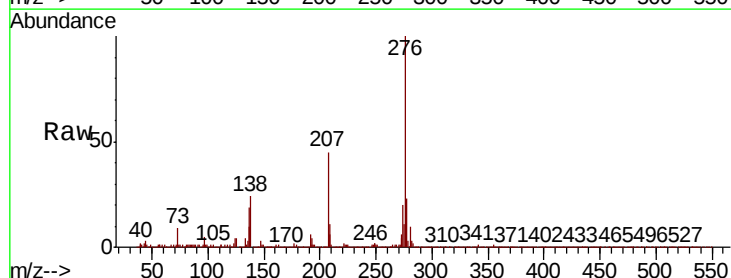
Tgt Ion:276 Resp: 197772

Ion Ratio Lower Upper

276 100

277 23.2 19.1 28.7

138 23.6 18.3 27.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

