

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120809.D
 Acq On : 9 Jul 2020 10:36
 Operator : JU/CG
 Sample : L3216-01
 Misc : LOD-MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 09 11:43:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	136779	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	514480	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	251987	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	447120	20.00	ng	0.00
76) Chrysene-d12	14.00	240	320705	20.00	ng	0.00
86) Perylene-d12	15.46	264	272507	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1203598	135.83	ng	0.00
7) Phenol-d6	6.47	99	1479562	130.75	ng	0.00
23) Nitrobenzene-d5	7.41	82	692166	77.95	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	362437	143.17	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1263514	75.86	ng	0.00
79) Terphenyl-d14	12.96	244	1045983	63.86	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	16604	4.102	ng	96
3) Pyridine	3.42	79	31179	2.812	ng	99
4) n-Nitrosodimethylamine	3.27	42	17841	3.217	ng	# 93
6) Aniline	6.51	93	52923	3.642	ng	100
8) 2-Chlorophenol	6.63	128	34250	3.631	ng	98
9) Benzaldehyde	6.40	77	29282	4.351	ng	99
10) Phenol	6.49	94	43797	3.763	ng	98
11) bis(2-Chloroethyl)ether	6.58	93	34366	3.628	ng	99
12) 1,3-Dichlorobenzene	6.79	146	38034	3.663	ng	96
13) 1,4-Dichlorobenzene	6.86	146	38238	3.677	ng	99
14) 1,2-Dichlorobenzene	7.02	146	36007	3.639	ng	98
15) Benzyl Alcohol	6.98	79	26736	3.145	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	50079	3.390	ng	99
17) 2-Methylphenol	7.09	107	27195	3.222	ng	96
18) Hexachloroethane	7.36	117	13628	3.486	ng	94
19) n-Nitroso-di-n-propylamine	7.25	70	22696	3.331	ng	96
20) 3+4-Methylphenols	7.24	107	33080	3.183	ng	95
22) Acetophenone	7.25	105	50958	3.985	ng	96
24) Nitrobenzene	7.42	77	40216	4.034	ng	92
25) Isophorone	7.66	82	61756	3.225	ng	98
26) 2-Nitrophenol	7.74	139	9678	2.655	ng	93
27) 2,4-Dimethylphenol	7.77	122	26875	3.516	ng	94
28) bis(2-Chloroethoxy)methane	7.87	93	40517	3.575	ng	96
29) 2,4-Dichlorophenol	7.97	162	24046	3.151	ng	96
30) 1,2,4-Trichlorobenzene	8.07	180	30135	3.516	ng	98
31) Naphthalene	8.15	128	103004	3.746	ng	99
32) Benzoic acid	7.82	122	6513	1.574	ng	92
33) 4-Chloroaniline	8.19	127	37321	3.199	ng	# 94
34) Hexachlorobutadiene	8.27	225	16319	3.166	ng	98
35) Caprolactam	8.52	113	5502	2.474	ng	99
36) 4-Chloro-3-methylphenol	8.66	107	24458	3.081	ng	95
37) 2-Methylnaphthalene	8.84	142	64114	3.587	ng	96
38) 1-Methylnaphthalene	8.94	142	60334	3.604	ng	97
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	28506	3.743	ng	99

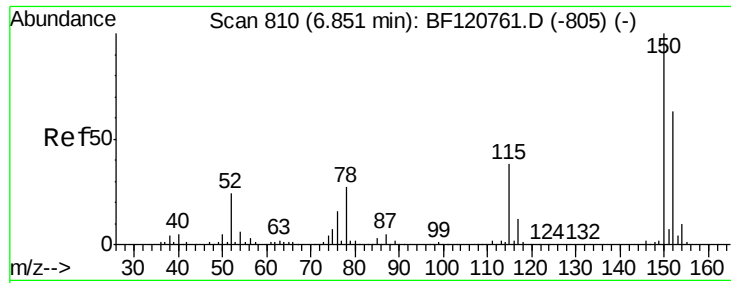
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120809.D
 Acq On : 9 Jul 2020 10:36
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 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	11866	2.637	ng	93
43) 2,4,6-Trichlorophenol	9.12	196	14473	2.789	ng	97
44) 2,4,5-Trichlorophenol	9.15	196	15807	2.745	ng	94
46) 1,1'-Biphenyl	9.30	154	82600	4.064	ng	99
47) 2-Chloronaphthalene	9.33	162	57137	3.509	ng	99
48) 2-Nitroaniline	9.42	65	13307	3.054	ng	# 80
49) Acenaphthylene	9.74	152	89505	3.506	ng	98
50) Dimethylphthalate	9.60	163	62378	3.393	ng	98
51) 2,6-Dinitrotoluene	9.66	165	10034	3.022	ng	92
52) Acenaphthene	9.92	154	52831	3.336	ng	97
53) 3-Nitroaniline	9.82	138	11835	2.885	ng	93
54) 2,4-Dinitrophenol	9.93	184	818	0.746	ng	# 1
55) Dibenzofuran	10.09	168	82414	3.610	ng	99
56) 4-Nitrophenol	9.97	139	6779	2.250	ng	96
57) 2,4-Dinitrotoluene	10.06	165	11590	2.907	ng	98
58) Fluorene	10.43	166	60639	3.569	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.16	232	10392	2.425	ng	97
60) Diethylphthalate	10.30	149	61659	3.220	ng	99
61) 4-Chlorophenyl-phenylether	10.42	204	29626	3.468	ng	95
62) 4-Nitroaniline	10.43	138	10608	2.716	ng	97
63) Azobenzene	10.59	77	68395	3.492	ng	97
65) 4,6-Dinitro-2-methylphenol	10.46	198	2002	1.394	ng	94
66) n-Nitrosodiphenylamine	10.54	169	51447	3.433	ng	99
67) 4-Bromophenyl-phenylether	10.92	248	16027	3.090	ng	98
68) Hexachlorobenzene	10.97	284	17771	3.265	ng	96
69) Atrazine	11.06	200	13017	3.372	ng	96
70) Pentachlorophenol	11.17	266	5765	1.872	ng	96
71) Phenanthrene	11.39	178	85583	3.528	ng	99
72) Anthracene	11.44	178	84828	3.460	ng	99
73) Carbazole	11.59	167	74578	3.166	ng	99
74) Di-n-butylphthalate	11.93	149	79454	2.724	ng	98
75) Fluoranthene	12.57	202	81533	3.155	ng	99
77) Benzidine	12.70	184	21952	2.425	ng	# 95
78) Pyrene	12.80	202	86865	3.391	ng	96
80) Butylbenzylphthalate	13.43	149	23339	2.111	ng	92
81) Benzo(a)anthracene	13.99	228	71576	3.482	ng	99
82) 3,3'-Dichlorobenzidine	13.96	252	18450	2.659	ng	# 96
83) Chrysene	14.03	228	70490	3.362	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	38360	2.645	ng	# 100
85) Di-n-octyl phthalate	14.60	149	46271	1.804	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.90	276	50304	2.878	ng	98
88) Benzo(b)fluoranthene	15.03	252	54255	3.028	ng	# 95
89) Benzo(k)fluoranthene	15.03	252	54255	3.112	ng	95
90) Benzo(a)pyrene	15.40	252	44920	2.811	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	41743	2.865	ng	99
92) Benzo(g,h,i)perylene	17.34	276	41811	3.140	ng	98

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

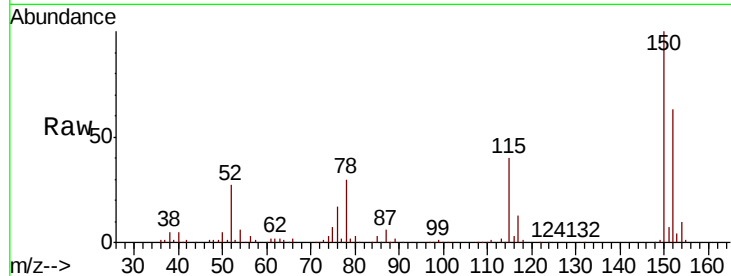


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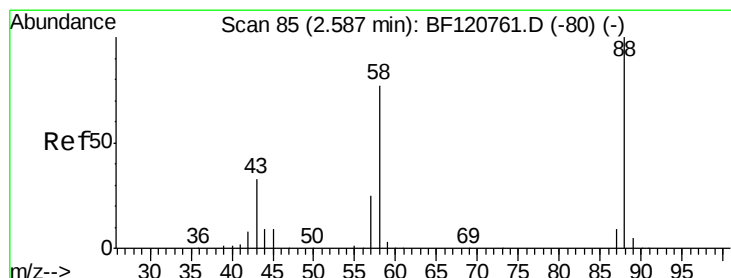
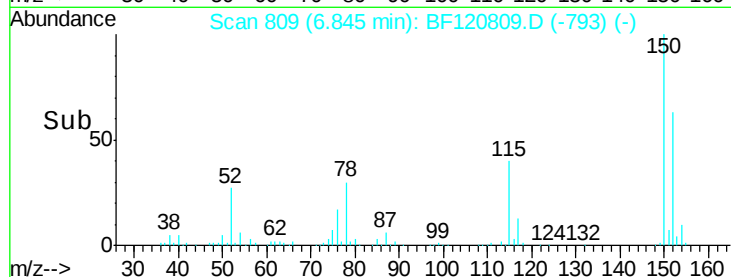
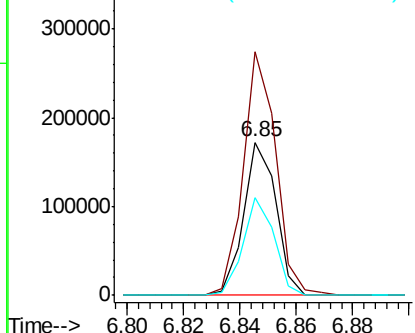
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:152 Resp: 136779
Ion Ratio Lower Upper
152 100
150 159.3 126.1 189.1
115 64.0 48.5 72.7



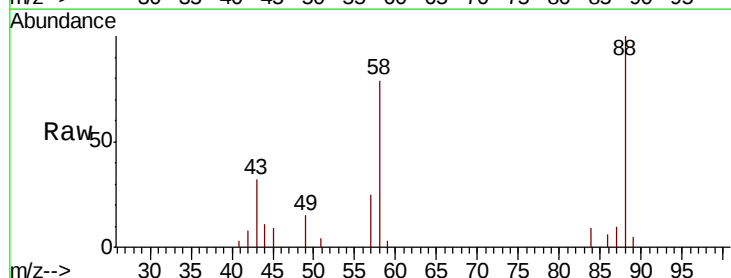
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



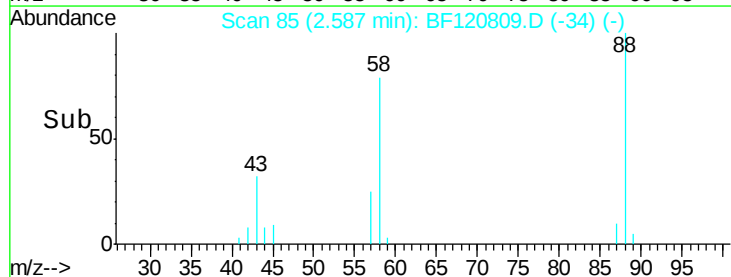
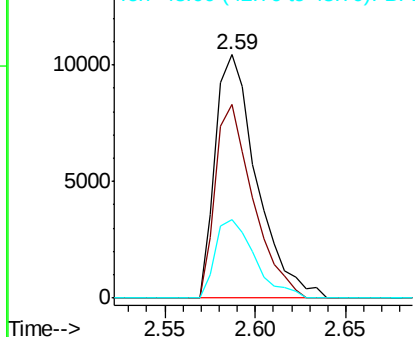
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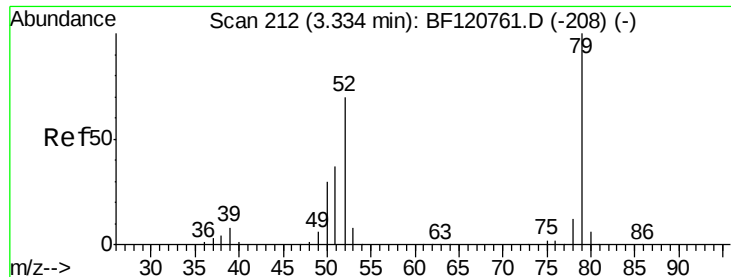
1,4-Dioxane
Concen: 4.102 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.00 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion: 88 Resp: 16604
Ion Ratio Lower Upper
88 100
58 72.5 60.4 90.6
43 30.8 26.3 39.5



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pvridine

Concen: 2.812 ng

RT: 3.42 min Scan# 227

Delta R.T. 0.09 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

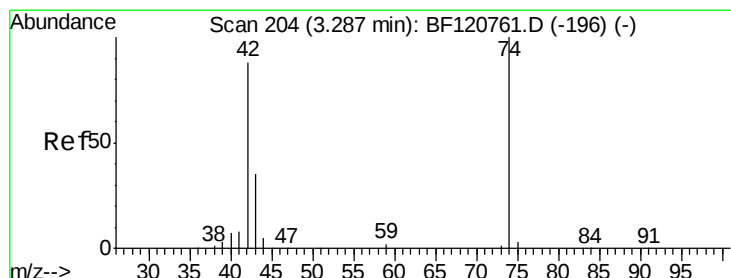
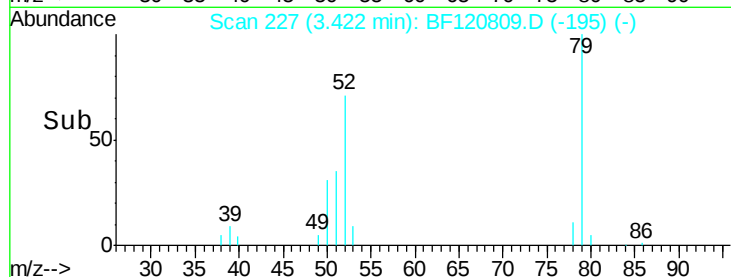
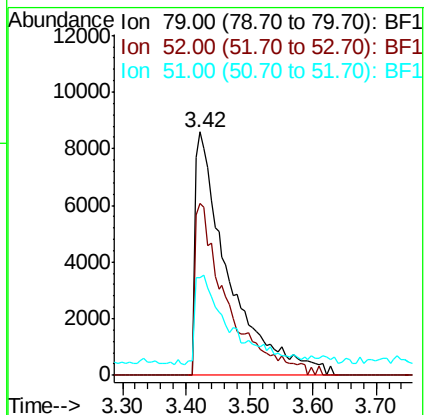
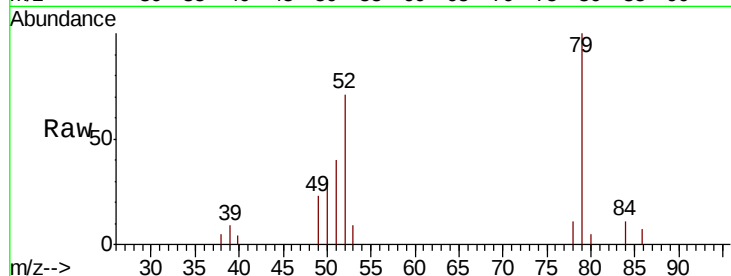
Tot Ion: 79 Resp: 31179

Ion Ratio Lower Upper

79 100

52 70.6 56.3 84.5

51 39.9 30.1 45.1



#4

n-Nitrosodimethylamine

Concen: 3.217 ng

RT: 3.27 min Scan# 201

Delta R.T. -0.02 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

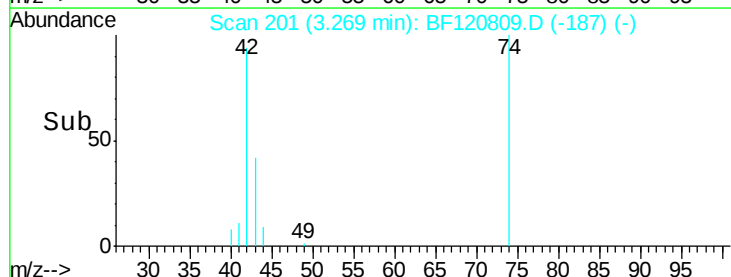
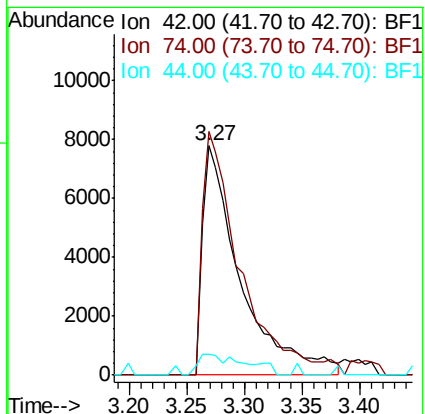
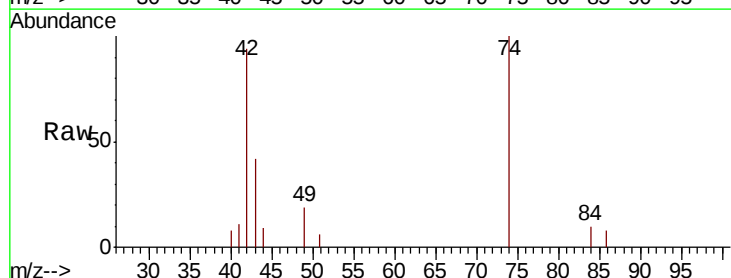
Tgt Ion: 42 Resp: 17841

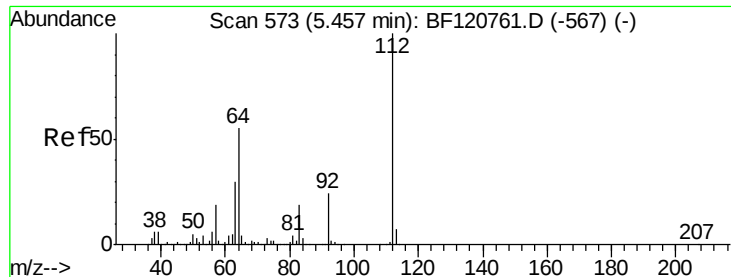
Ion Ratio Lower Upper

42 100

74 106.3 90.8 136.2

44 9.2 5.8 8.8#





#5

2-Fluorophenol

Concen: 135.835 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

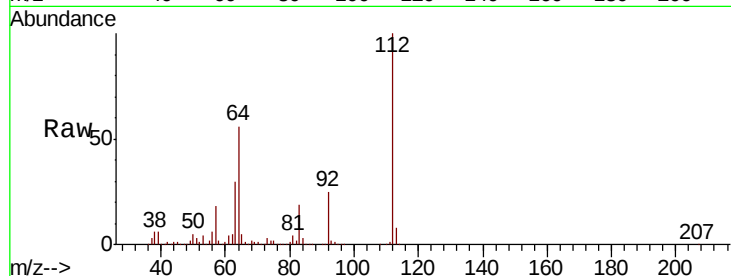
Tot Ion:112 Resp: 1203598

Ion Ratio Lower Upper

112 100

64 56.3 43.8 65.6

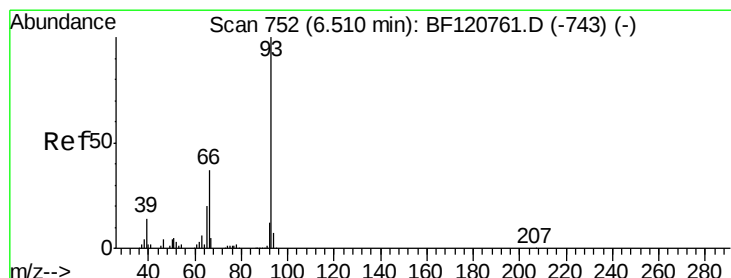
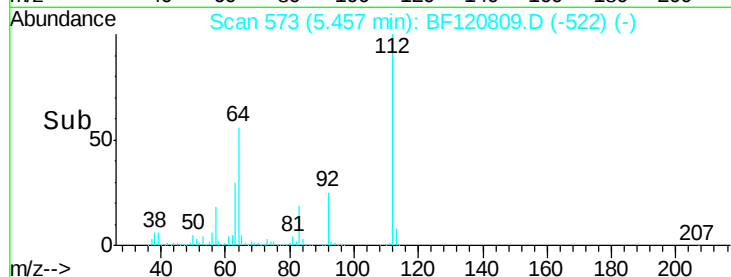
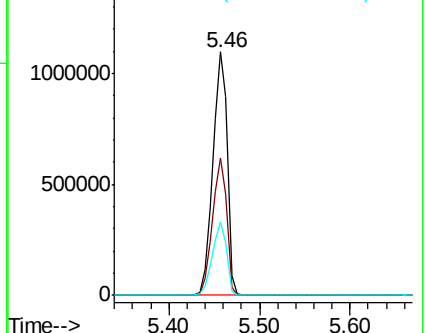
63 29.9 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 3.642 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

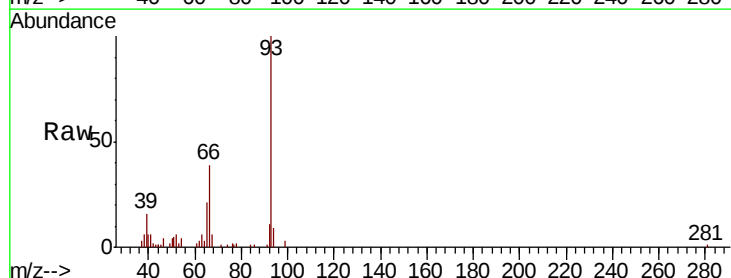
Tgt Ion: 93 Resp: 52923

Ion Ratio Lower Upper

93 100

66 39.1 31.3 46.9

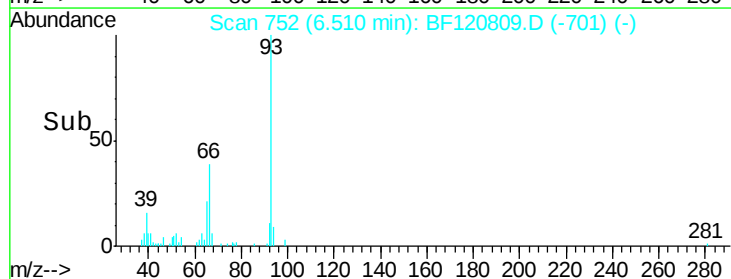
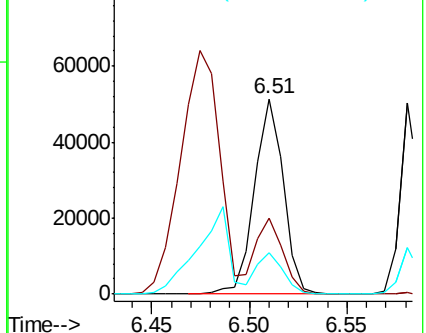
65 21.0 16.5 24.7

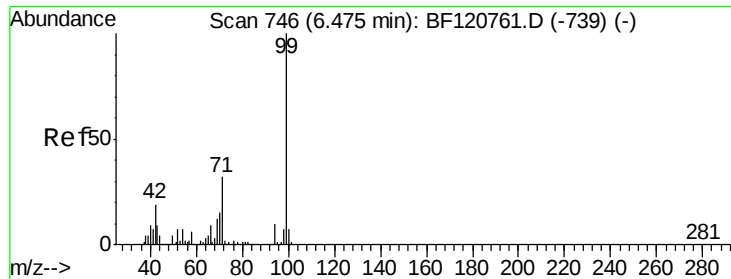


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 130.755 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

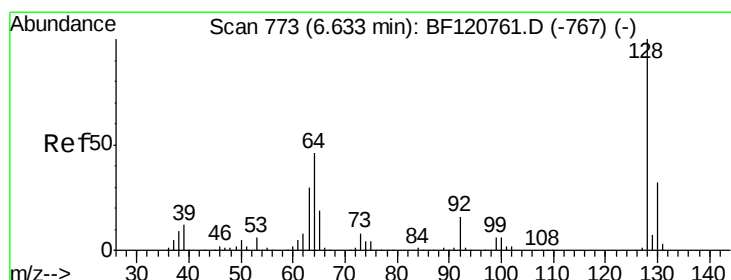
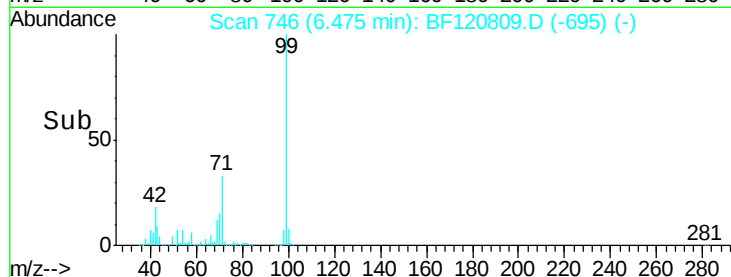
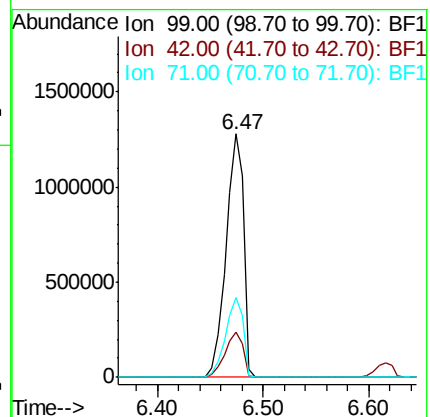
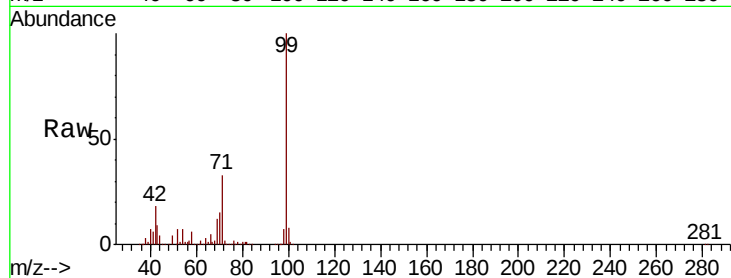
Tot Ion: 99 Resp: 1479562

Ion Ratio Lower Upper

99 100

42 18.5 15.4 23.0

71 32.6 25.9 38.9



#8

2-Chlorophenol

Concen: 3.631 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

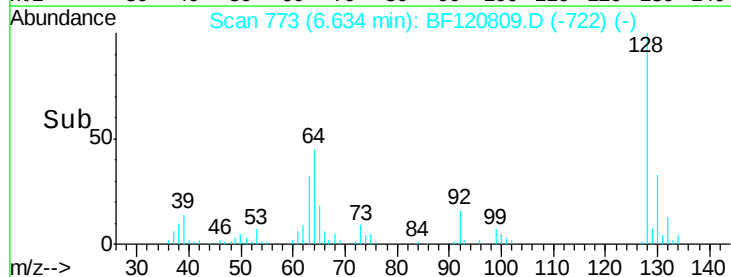
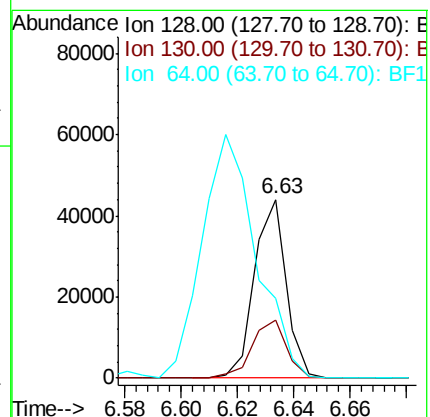
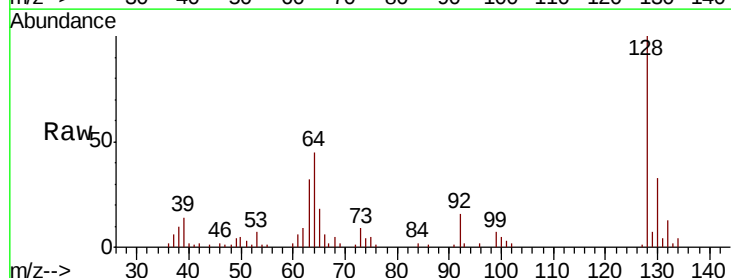
Tgt Ion: 128 Resp: 34250

Ion Ratio Lower Upper

128 100

130 32.7 12.1 52.1

64 45.0 26.3 66.3





#9

Benzaldehyde

Concen: 4.351 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

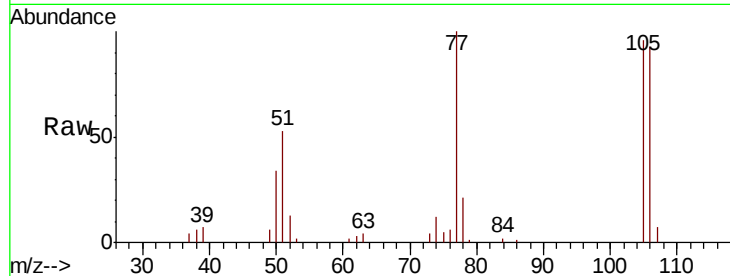
Tot Ion: 77 Resp: 29282

Ion Ratio Lower Upper

77 100

105 96.5 76.8 116.8

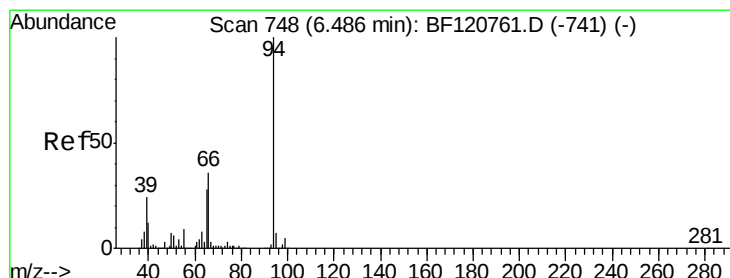
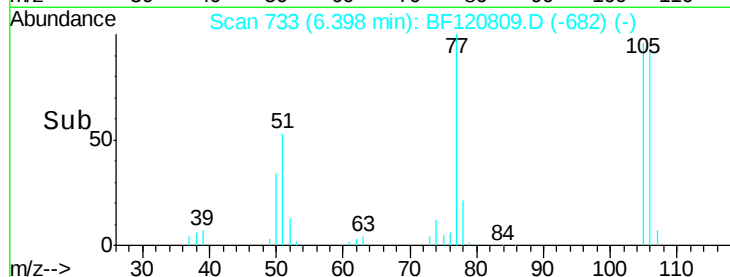
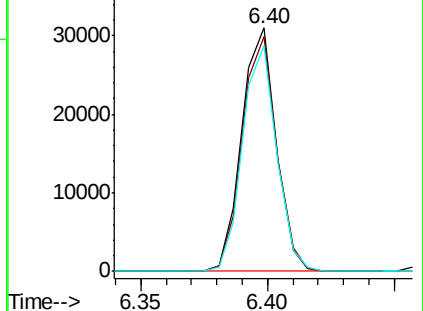
106 92.8 73.8 113.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 3.763 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

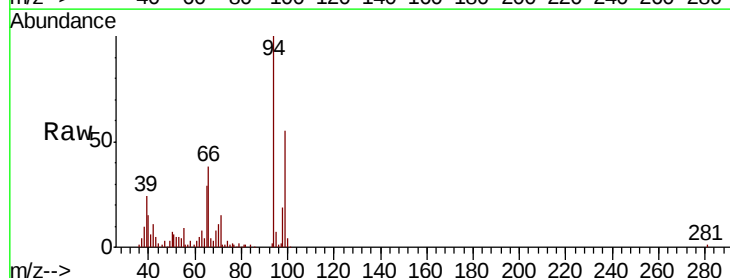
Tgt Ion: 94 Resp: 43797

Ion Ratio Lower Upper

94 100

65 29.1 8.4 48.4

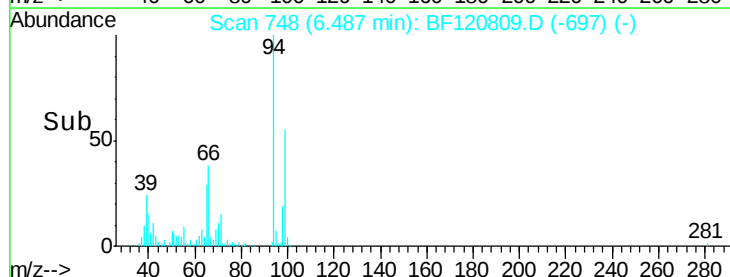
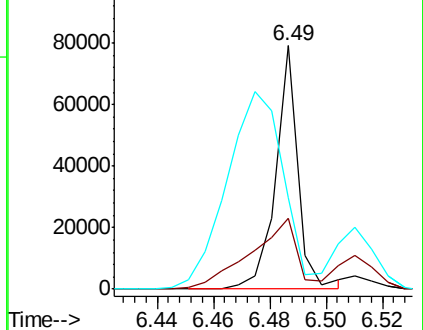
66 37.7 16.5 56.5

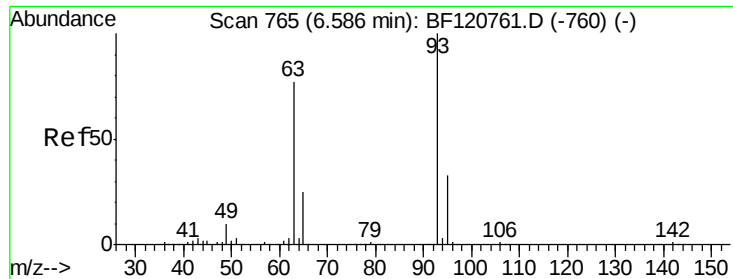


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

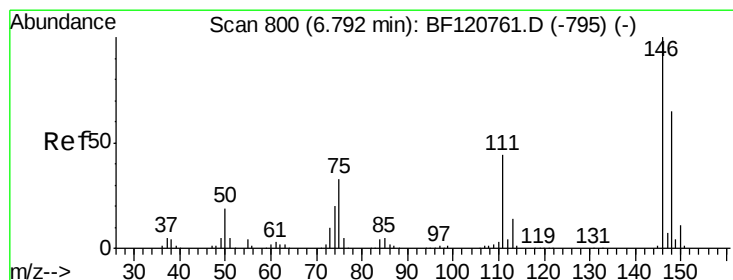
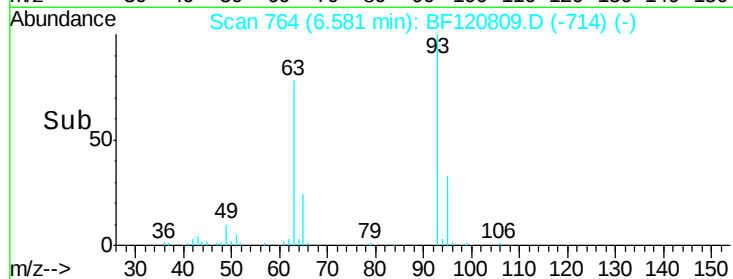
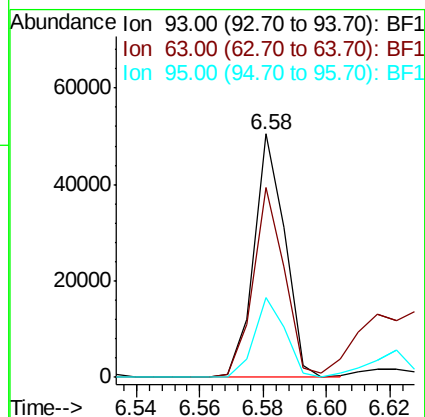
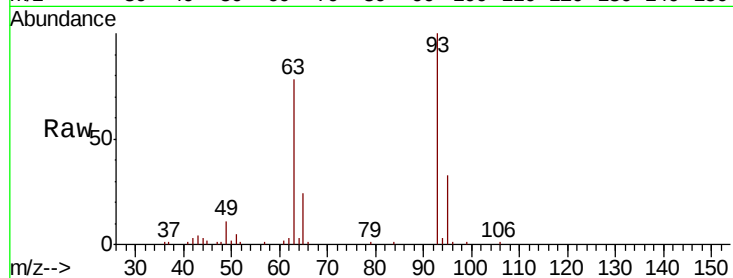




#11
bis(2-Chloroethyl)ether
Concen: 3.628 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

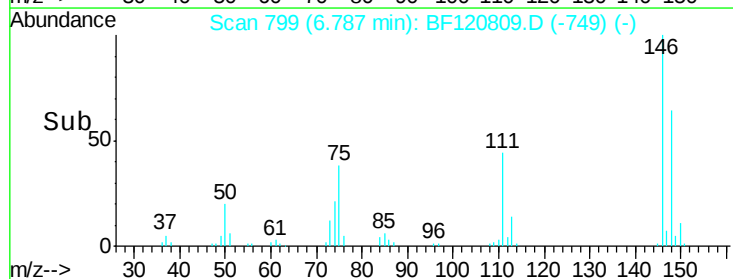
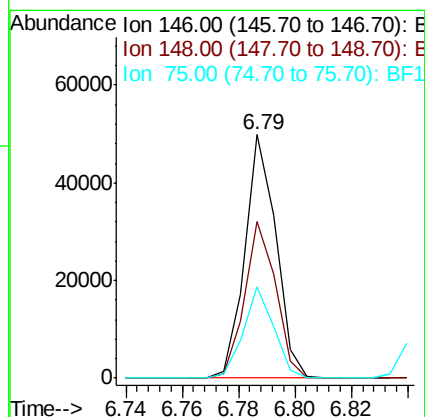
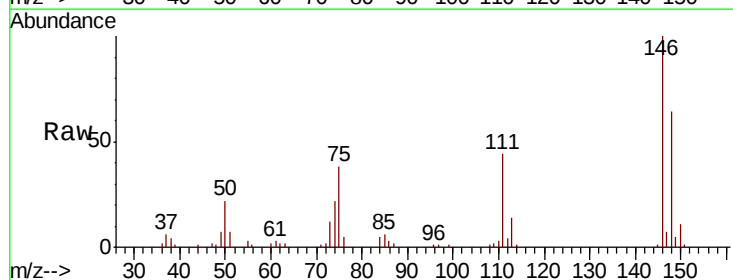
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

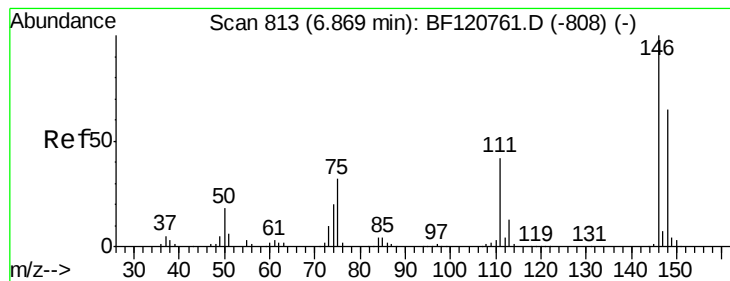
Tot Ion: 93 Resp: 34366
Ion Ratio Lower Upper
93 100
63 78.0 56.9 96.9
95 32.6 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 3.663 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion: 146 Resp: 38034
Ion Ratio Lower Upper
146 100
148 64.5 52.1 78.1
75 37.6 26.0 39.0





#13

1,4-Dichlorobenzene

Concen: 3.677 ng

RT: 6.86 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

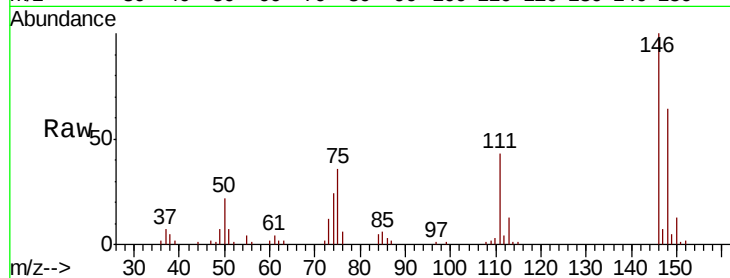
Tot Ion:146 Resp: 38238

Ion Ratio Lower Upper

146 100

148 63.8 51.8 77.6

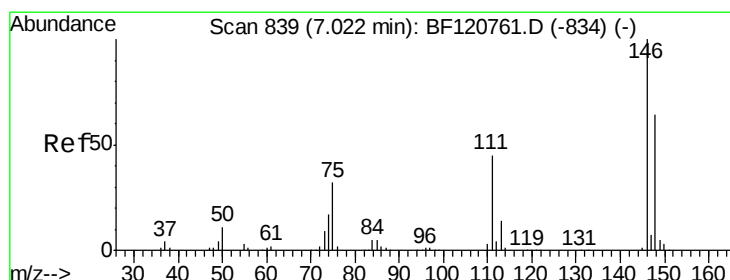
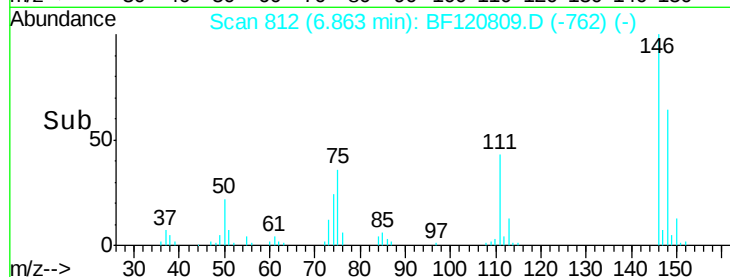
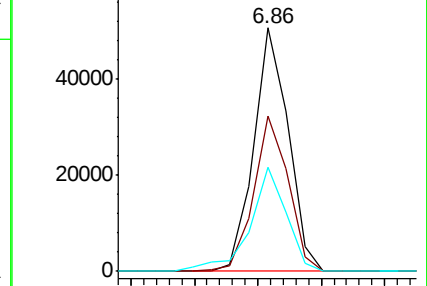
111 42.8 33.7 50.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 3.639 ng

RT: 7.02 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

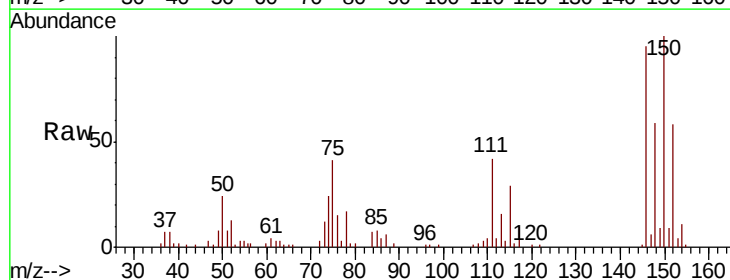
Tgt Ion:146 Resp: 36007

Ion Ratio Lower Upper

146 100

148 61.8 51.0 76.4

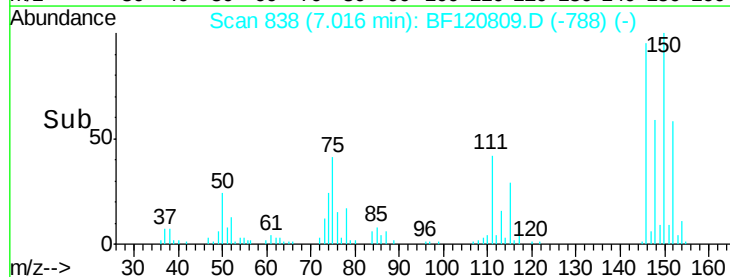
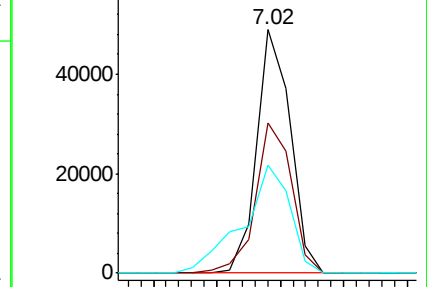
111 44.3 35.7 53.5



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

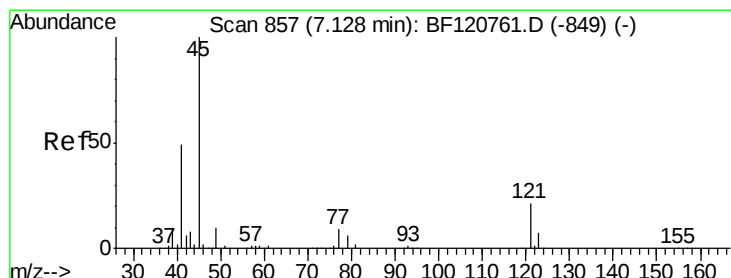
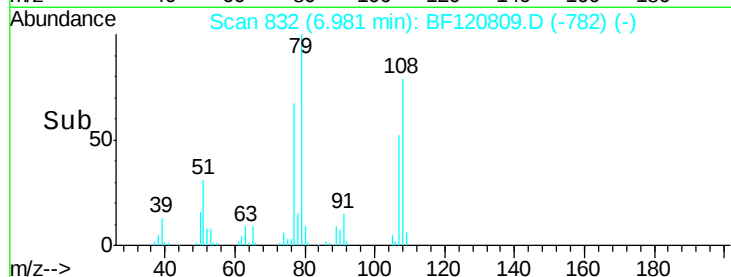
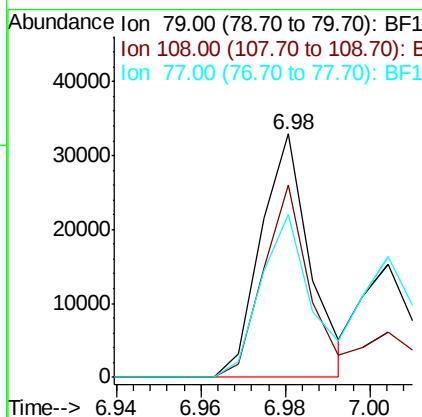
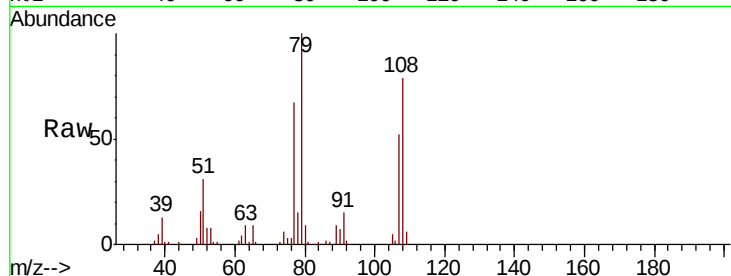




#15
Benzyl Alcohol
Concen: 3.145 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

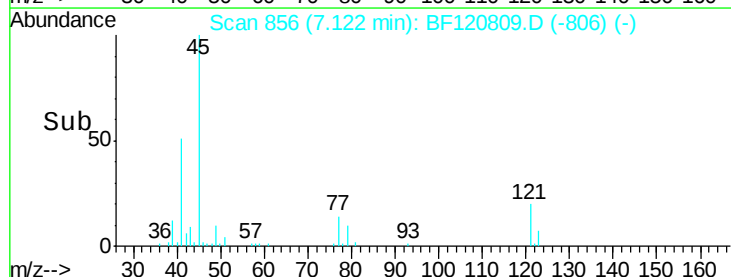
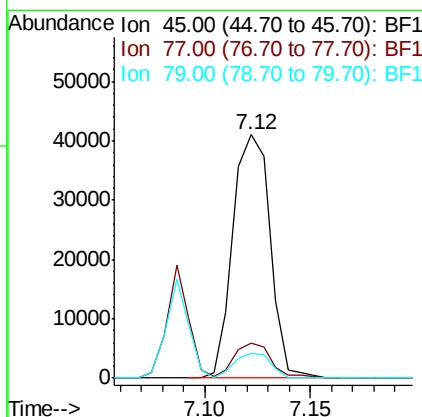
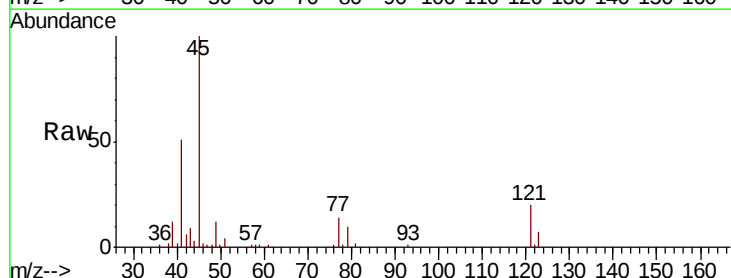
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

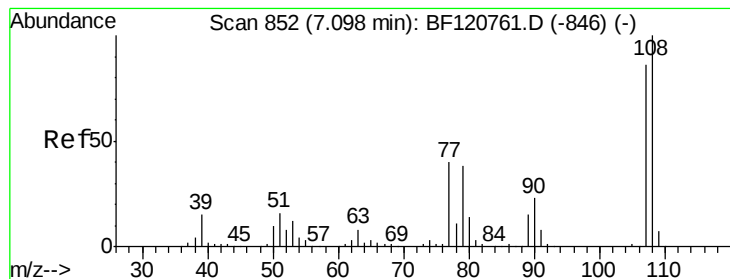
Tot Ion: 79 Resp: 26736
Ion Ratio Lower Upper
79 100
108 78.8 62.4 93.6
77 67.0 52.7 79.1



#16
2,2'-oxybis(1-chloropropane)
Concen: 3.390 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion: 45 Resp: 50079
Ion Ratio Lower Upper
45 100
77 14.4 0.0 33.7
79 10.4 0.0 30.5

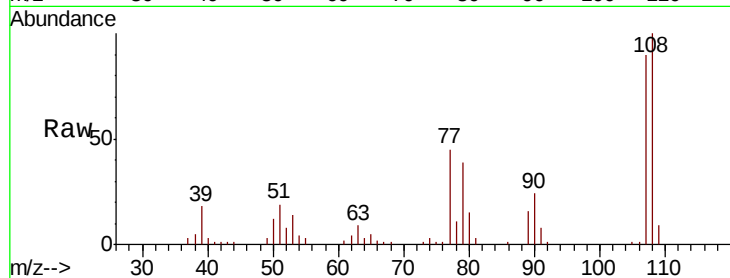




#17
2-Methylphenol
Concen: 3.222 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:	107	Resp:	27195
Ion	Ratio	Lower	Upper
107	100		
108	111.7	93.1	139.7
77	50.4	37.3	55.9
79	44.1	35.3	52.9



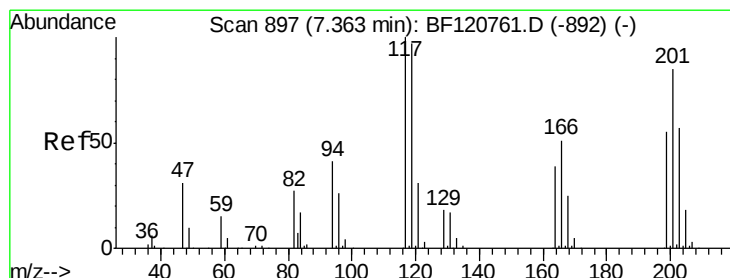
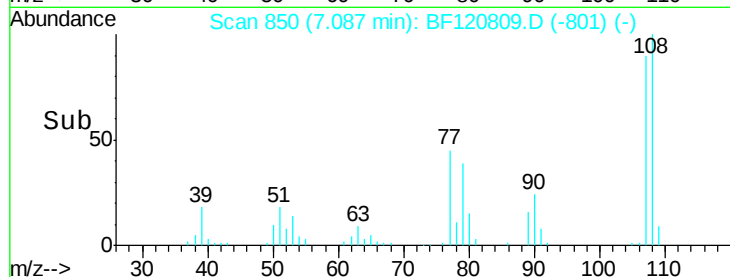
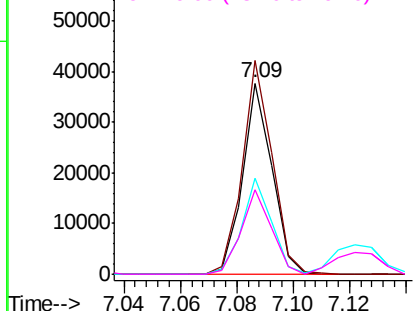
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

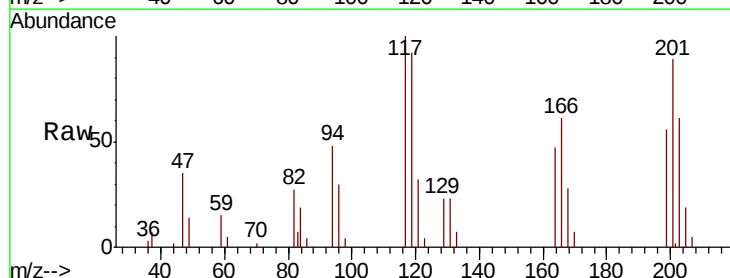
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 3.486 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:	117	Resp:	13628
Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.9	116.9
201	90.8	68.3	102.5

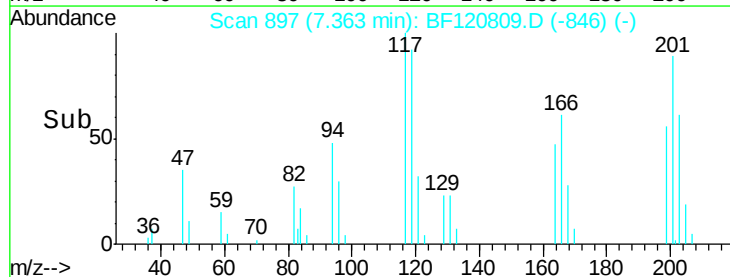
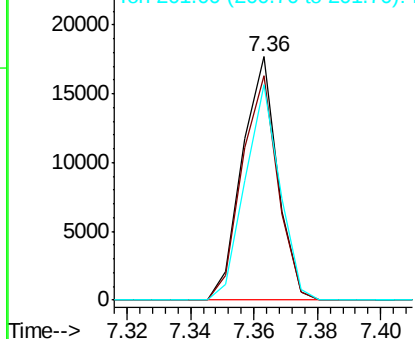


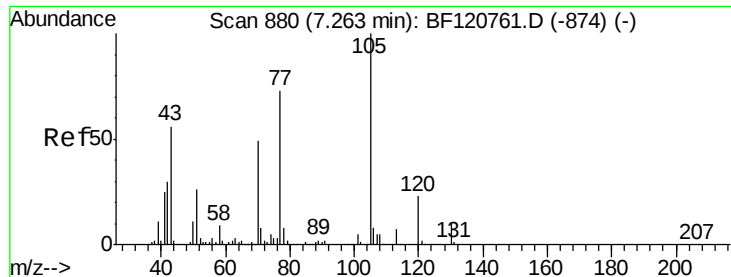
Abundance

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

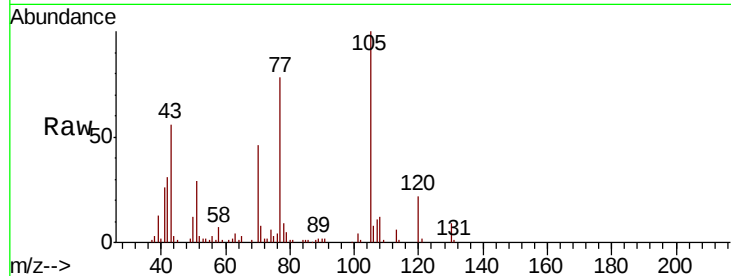




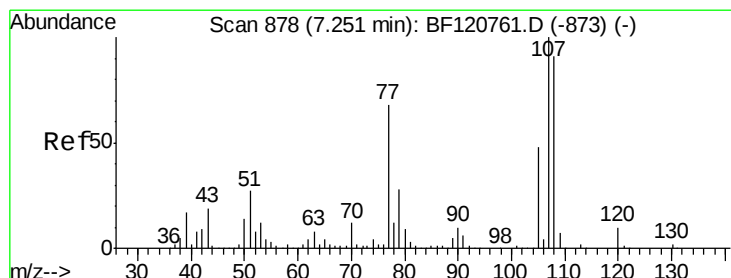
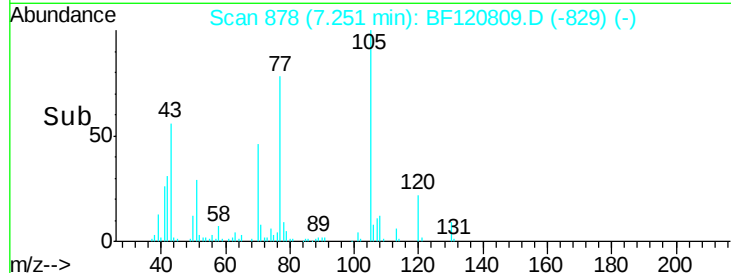
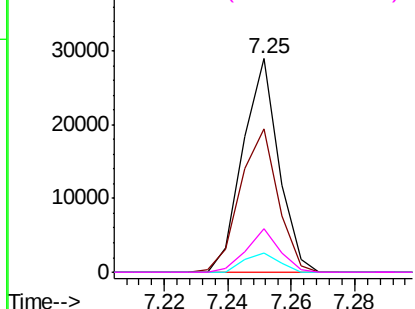
#19
n-Nitroso-di-n-propylamine
Concen: 3.331 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:	70	Resp:	22696
Ion	Ratio	Lower	Upper
70	100		
42	67.1	50.3	75.5
101	8.9	7.5	11.3
130	20.3	16.1	24.1

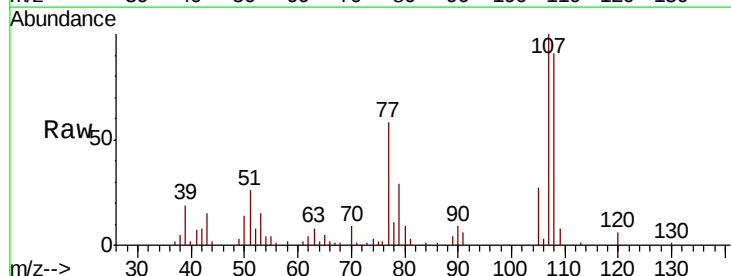


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

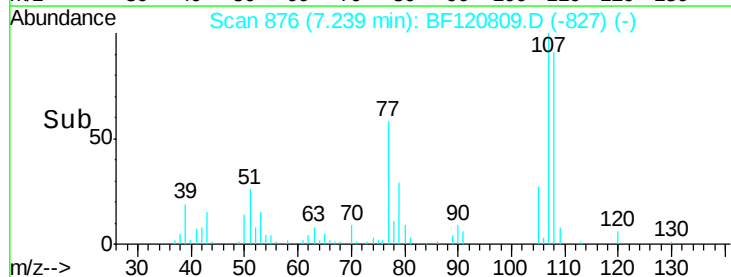
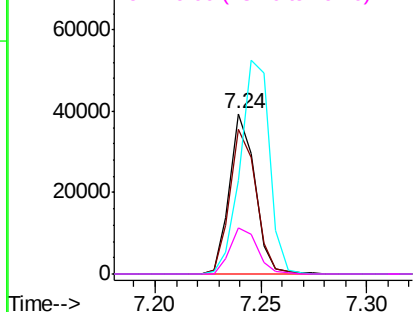


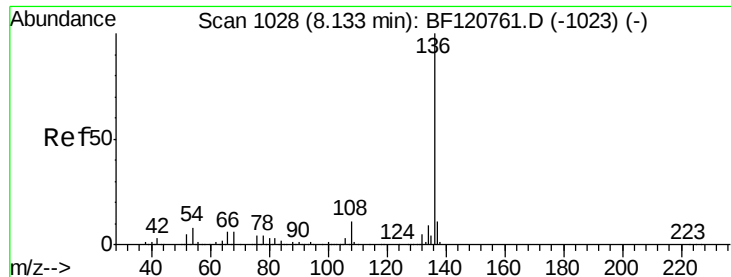
#20
3+4-Methylphenols
Concen: 3.183 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:	107	Resp:	33080
Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.9	110.9
77	58.3	48.3	88.3
79	28.6	7.8	47.8



Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

Tot Ion:136 Resp: 514480

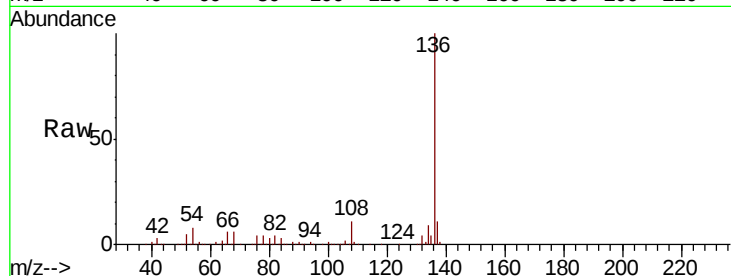
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 8.3 6.2 9.4

68 5.8 4.7 7.1

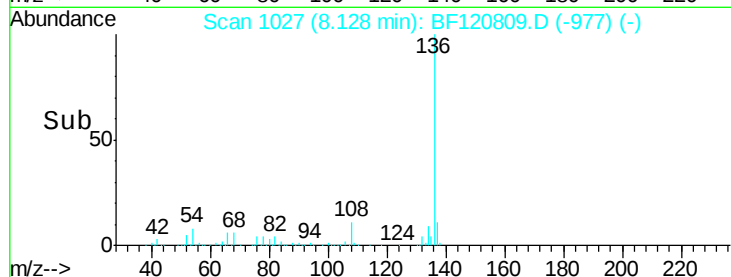


Abundance Ion 136.00 (135.70 to 136.70): E

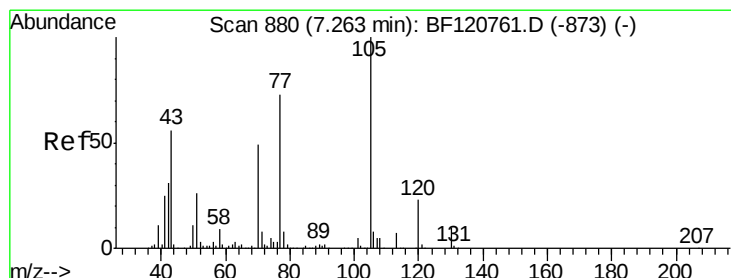
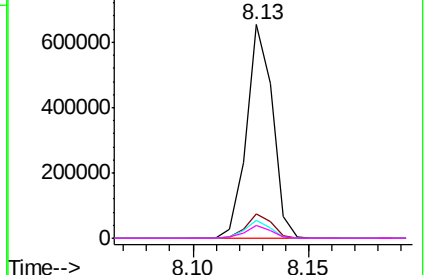
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#22

Acetophenone

Concen: 3.985 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:105 Resp: 50958

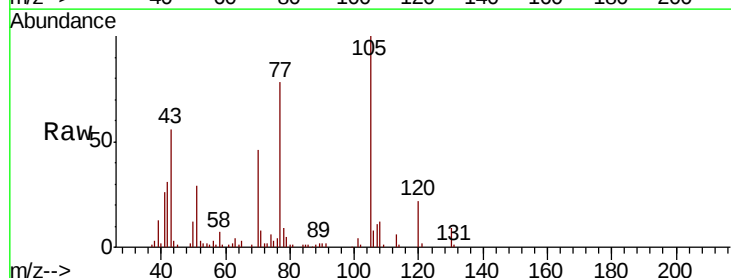
Ion Ratio Lower Upper

105 100

71 7.7 6.5 9.7

51 28.8 21.0 31.4

120 21.7 18.6 28.0

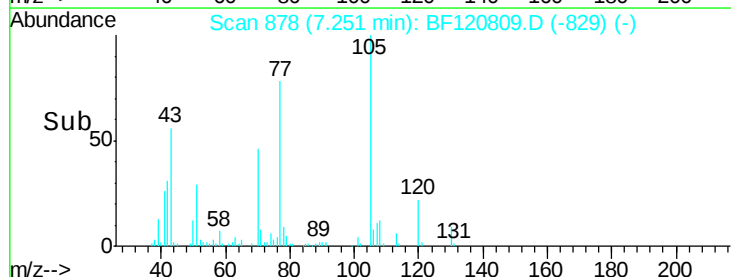


Abundance Ion 105.00 (104.70 to 105.70): E

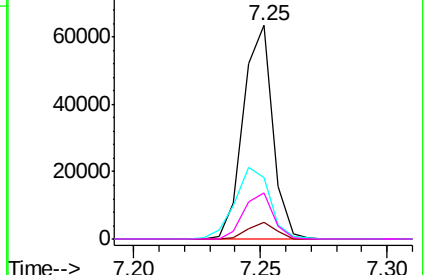
Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



Time-->





#23

Nitrobenzene-d5

Concen: 77.948 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

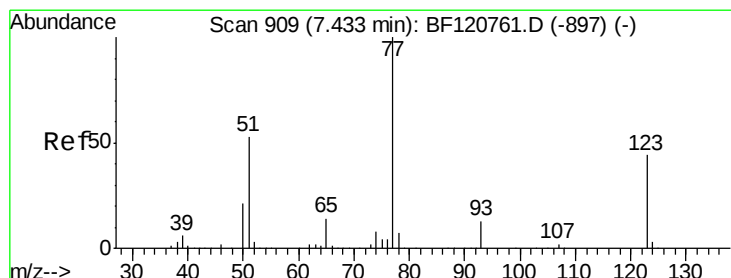
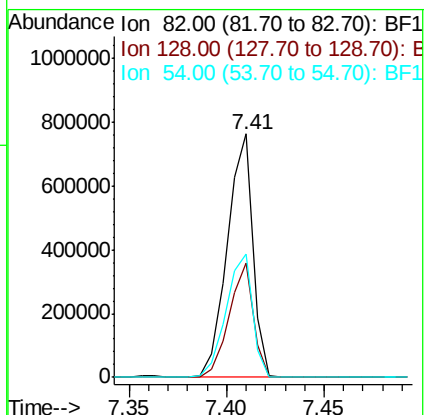
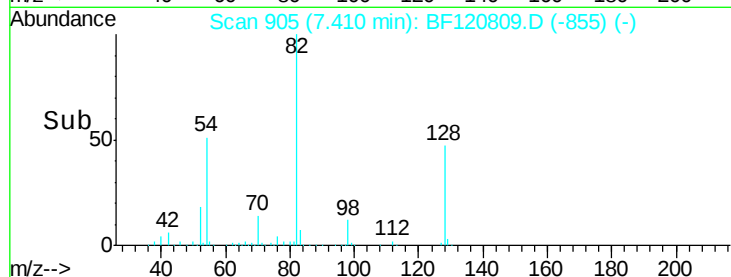
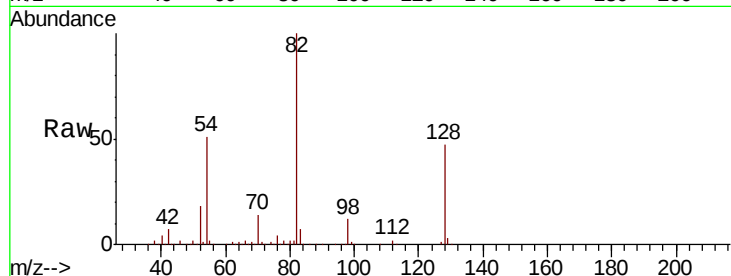
Tot Ion: 82 Resp: 692166

Ion Ratio Lower Upper

82 100

128 46.8 35.7 53.5

54 50.8 40.9 61.3



#24

Nitrobenzene

Concen: 4.034 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

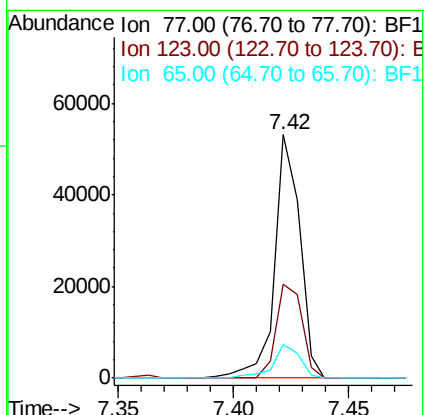
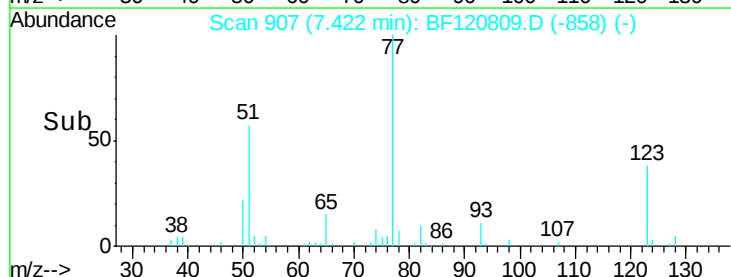
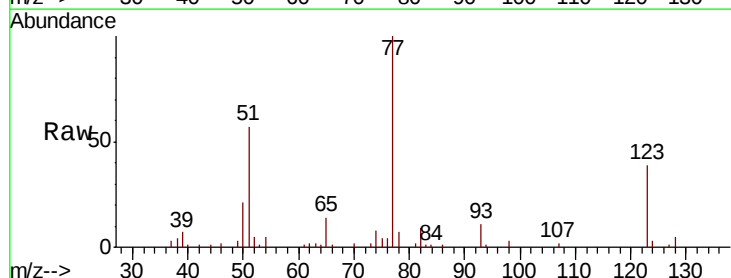
Tgt Ion: 77 Resp: 40216

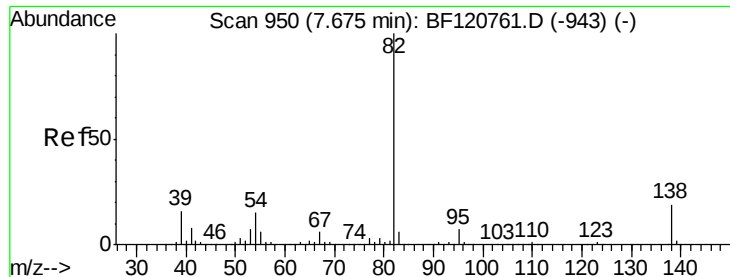
Ion Ratio Lower Upper

77 100

123 38.8 36.1 54.1

65 14.0 11.0 16.4





#25

Isophorone

Concen: 3.225 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

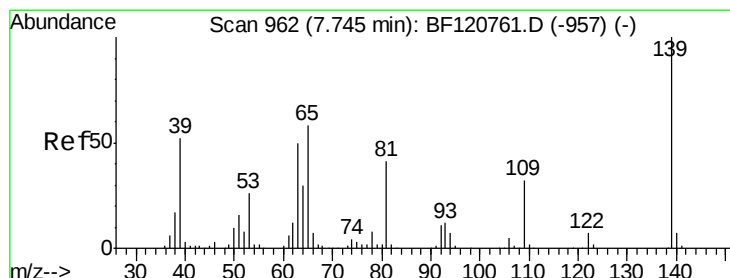
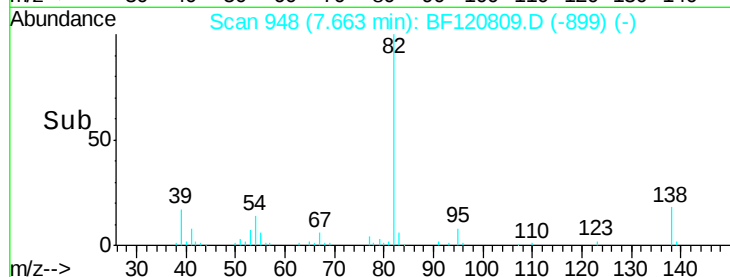
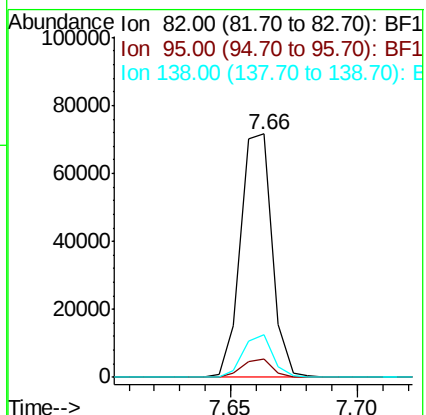
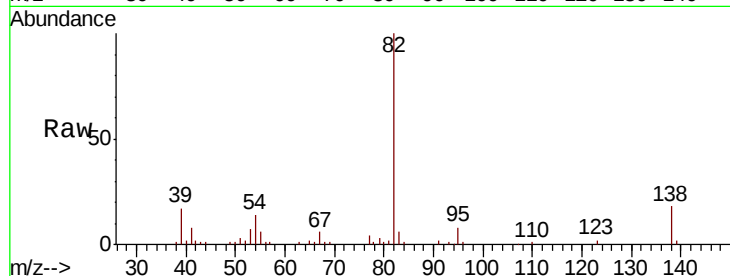
Tot Ion: 82 Resp: 61756

Ion Ratio Lower Upper

82 100

95 7.6 5.4 8.2

138 17.6 15.0 22.4



#26

2-Nitrophenol

Concen: 2.655 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

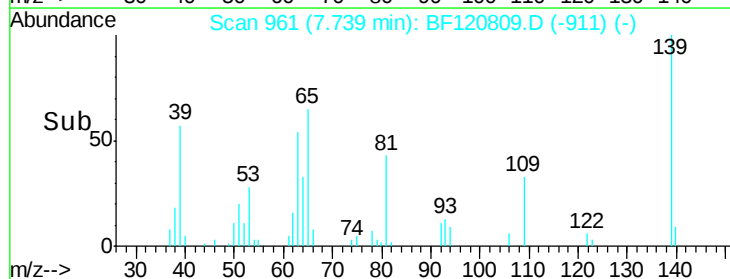
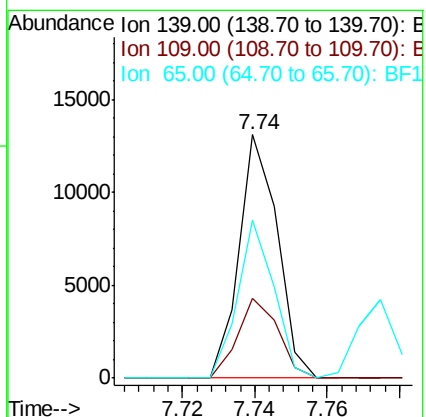
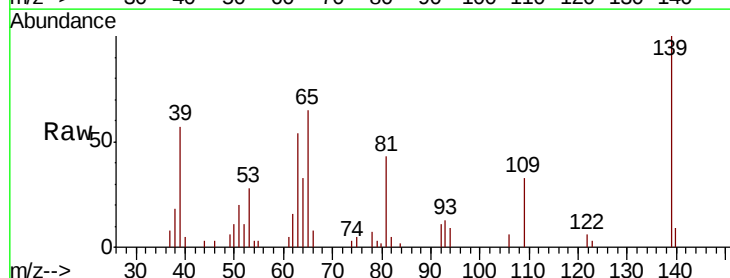
Tgt Ion: 139 Resp: 9678

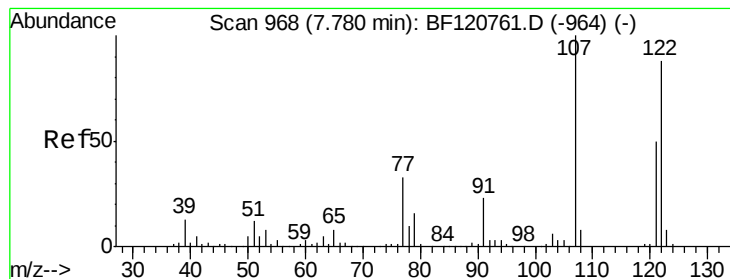
Ion Ratio Lower Upper

139 100

109 32.9 25.3 37.9

65 64.7 46.2 69.2





#27

2,4-Dimethylphenol

Concen: 3.516 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

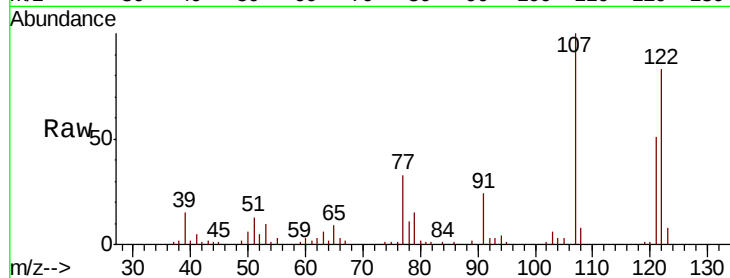
Tot Ion:122 Resp: 26875

Ion Ratio Lower Upper

122 100

107 120.6 90.7 136.1

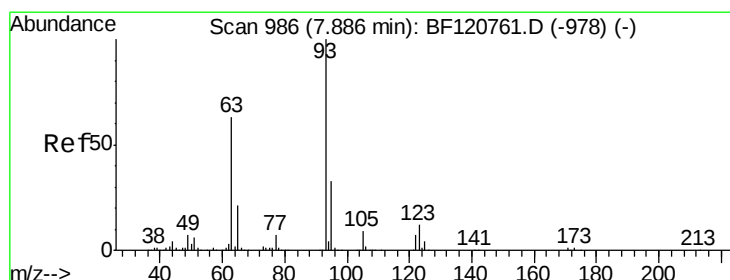
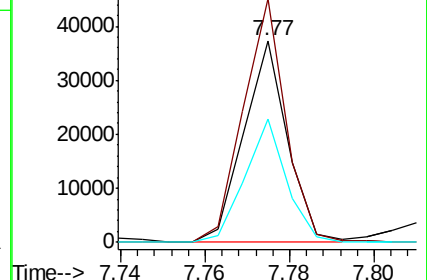
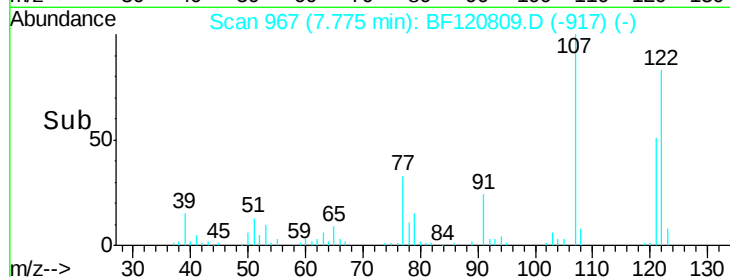
121 61.1 45.4 68.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 3.575 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

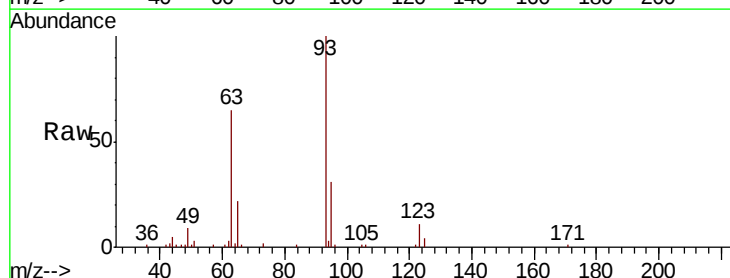
Tgt Ion: 93 Resp: 40517

Ion Ratio Lower Upper

93 100

95 31.0 26.4 39.6

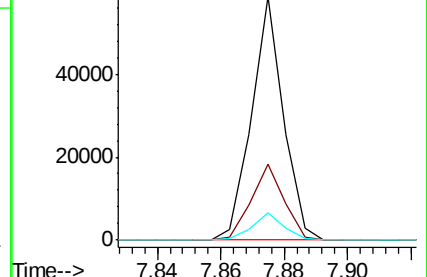
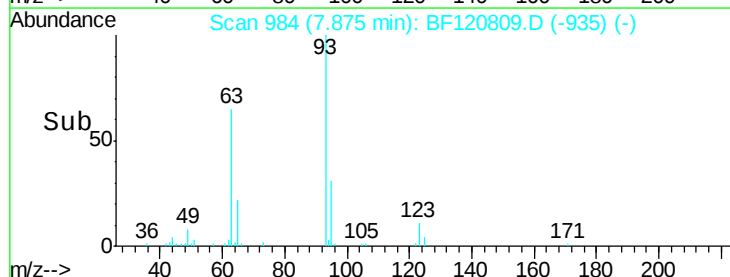
123 11.2 10.2 15.2



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

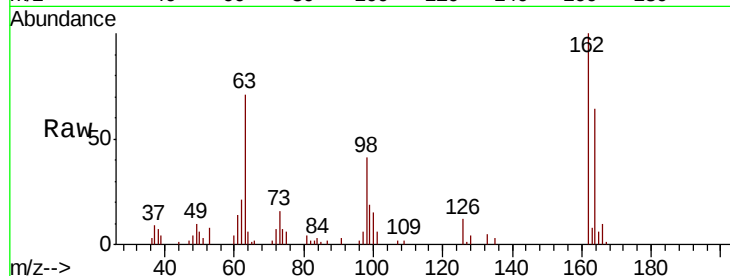




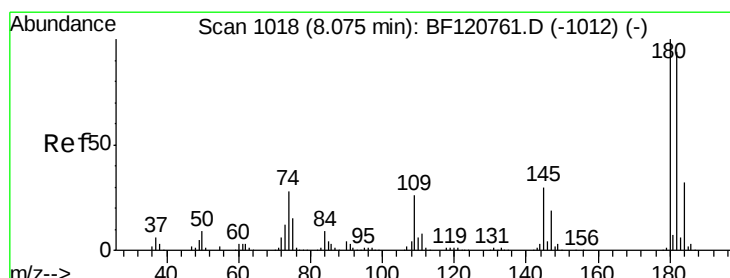
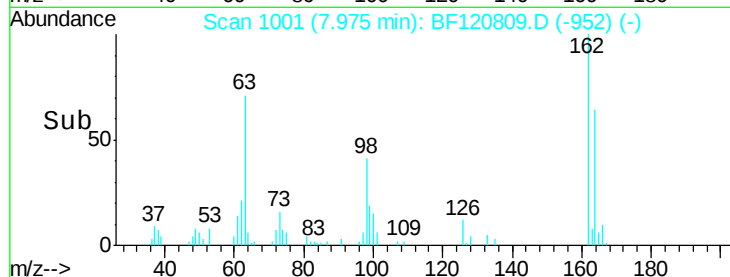
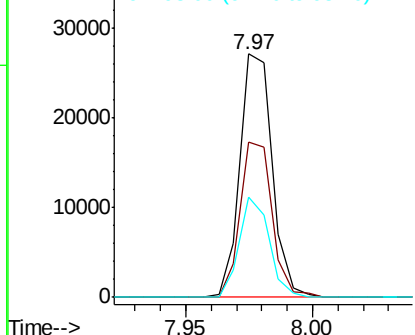
#29
2,4-Dichlorophenol
Concen: 3.151 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:162 Resp: 24046
Ion Ratio Lower Upper
162 100
164 64.0 45.2 85.2
98 41.4 17.0 57.0

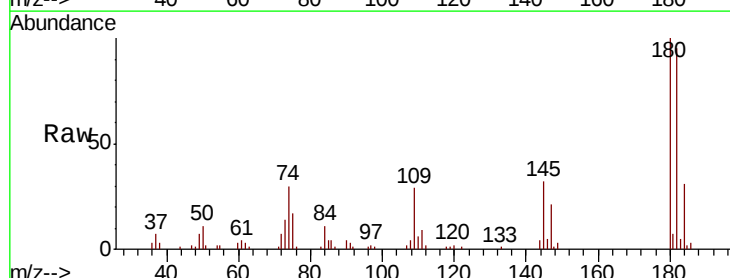


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

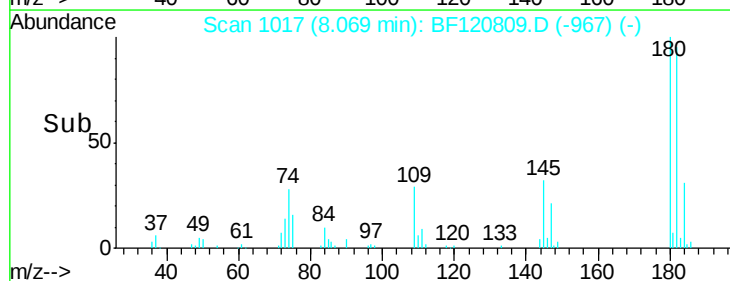
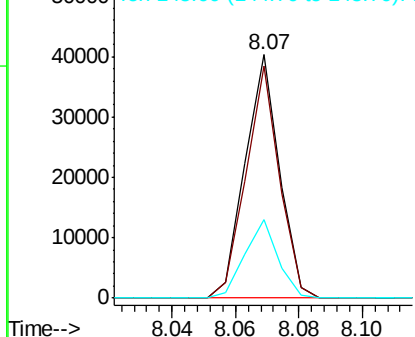


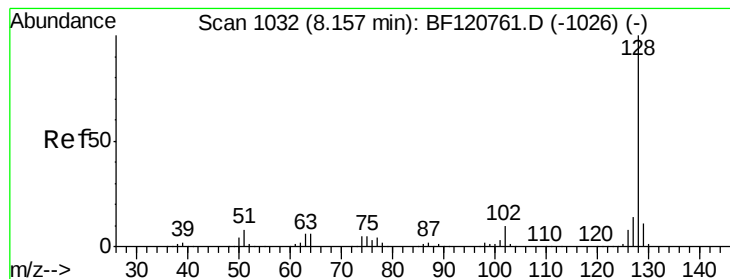
#30
1,2,4-Trichlorobenzene
Concen: 3.516 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:180 Resp: 30135
Ion Ratio Lower Upper
180 100
182 95.1 75.5 113.3
145 32.3 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 3.746 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

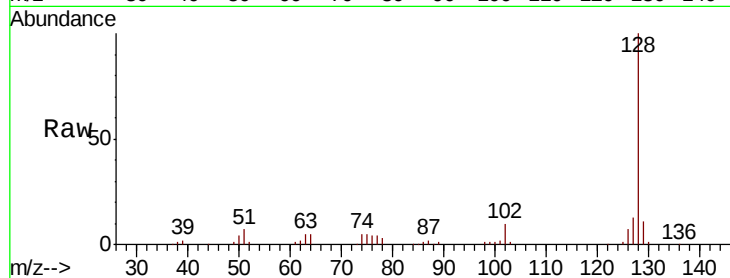
Tot Ion:128 Resp: 103004

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

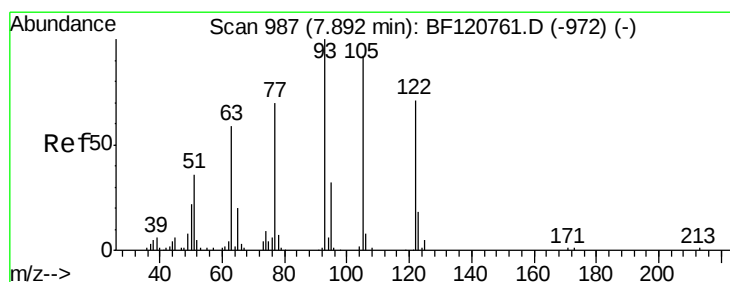
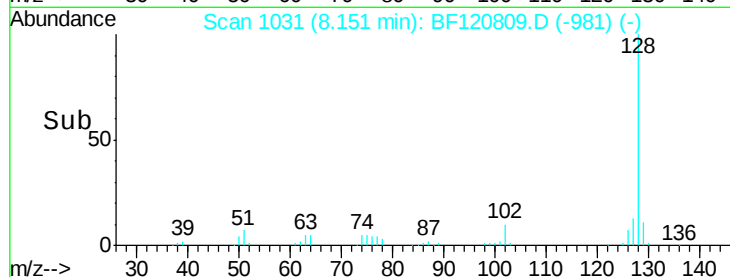
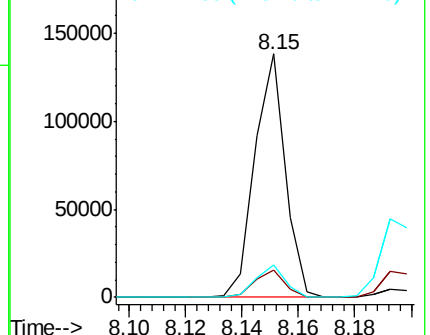
127 13.2 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 1.574 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

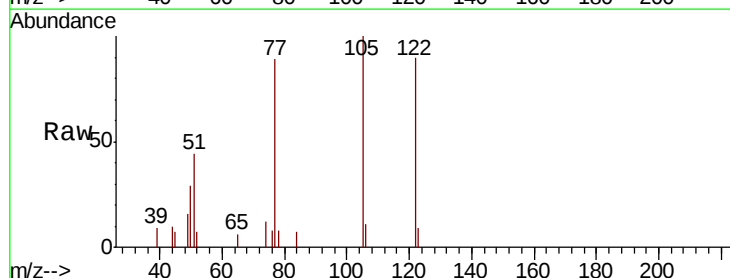
Tgt Ion:122 Resp: 6513

Ion Ratio Lower Upper

122 100

105 111.0 105.8 145.8

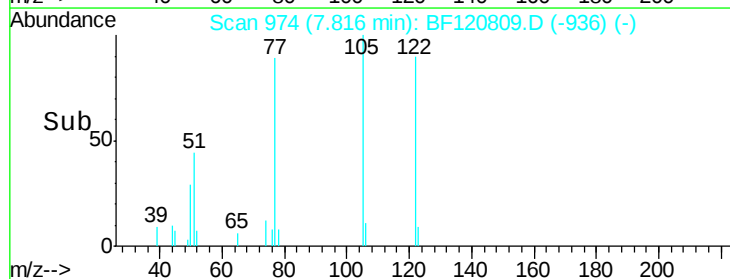
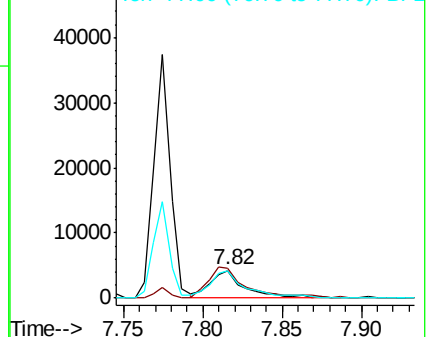
77 99.3 77.3 117.3

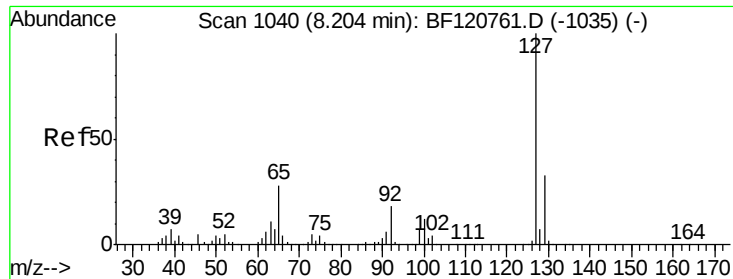


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

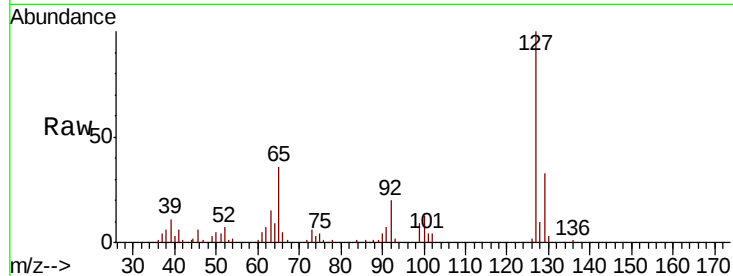




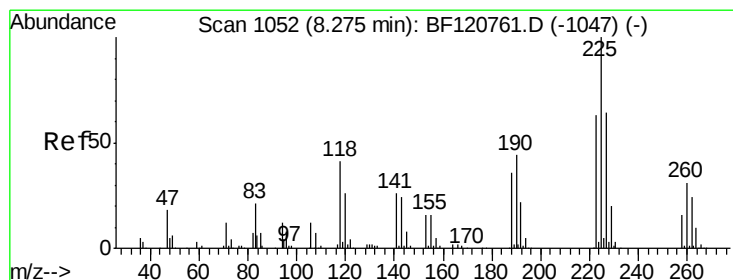
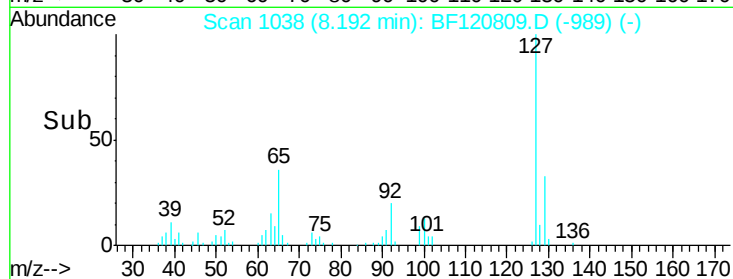
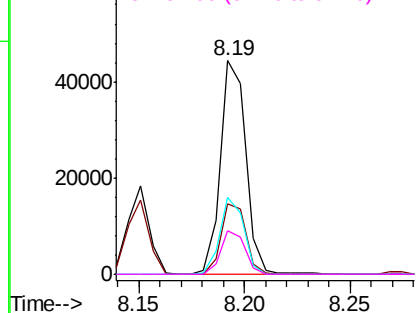
#33
4-Chloroaniline
Concen: 3.199 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:	127	Resp:	37321
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.6	39.8
65	35.8	22.7	34.1#
92	20.5	14.3	21.5

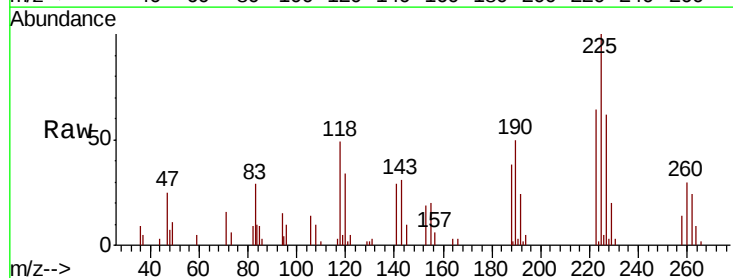


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

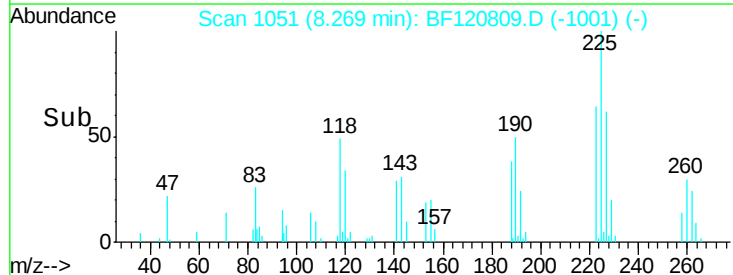
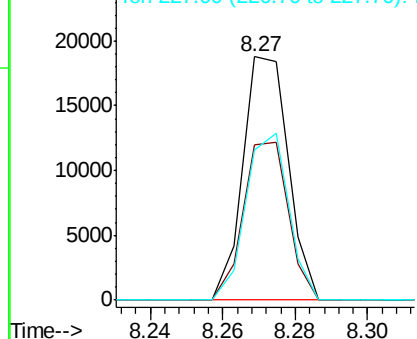


#34
Hexachlorobutadiene
Concen: 3.166 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:	225	Resp:	16319
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	61.8	51.4	77.2



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

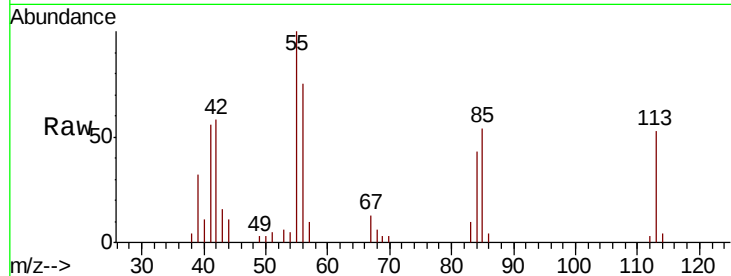




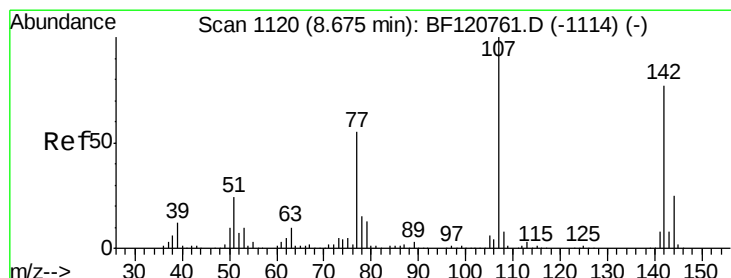
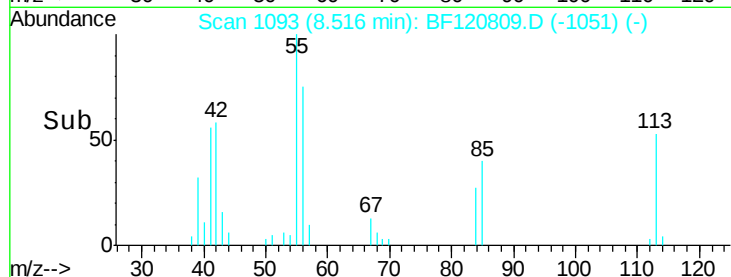
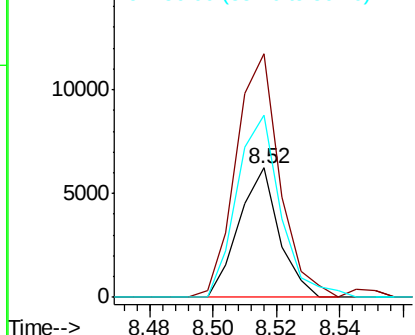
#35
 Caprolactam
 Concen: 2.474 ng
 RT: 8.52 min Scan# 1093
 Delta R.T. -0.05 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

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

Tot Ion:113 Resp: 5502
 Ion Ratio Lower Upper
 113 100
 55 187.8 168.3 208.3
 56 140.5 118.8 158.8

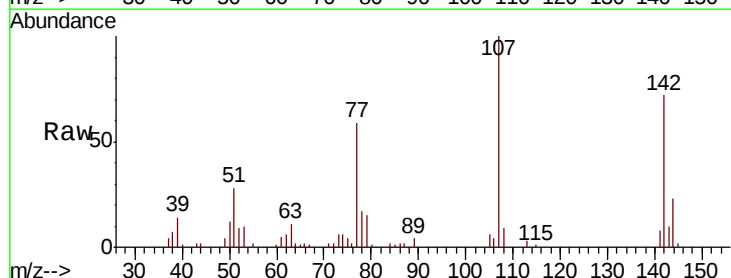


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

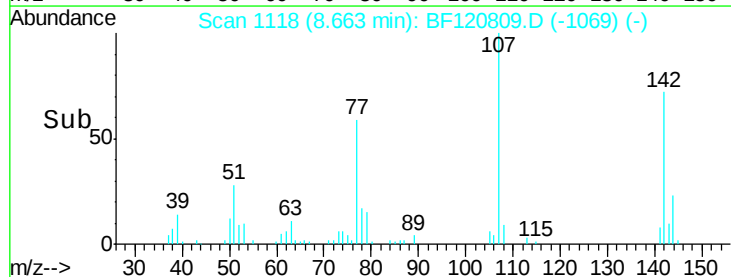
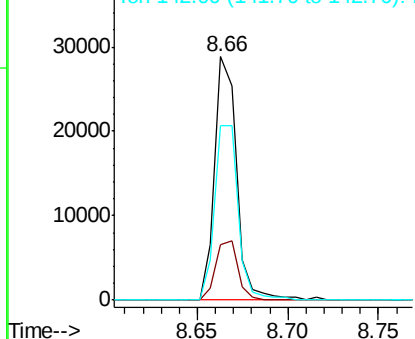


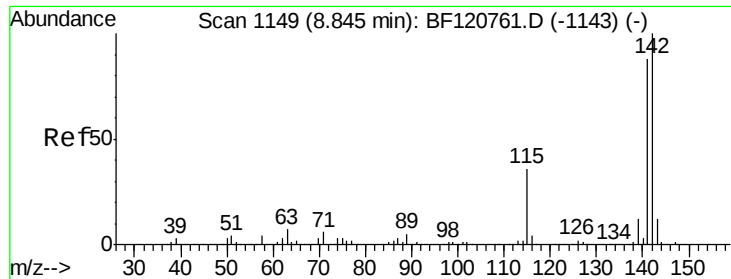
#36
 4-Chloro-3-methylphenol
 Concen: 3.081 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion:107 Resp: 24458
 Ion Ratio Lower Upper
 107 100
 144 22.7 19.7 29.5
 142 71.6 61.2 91.8



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

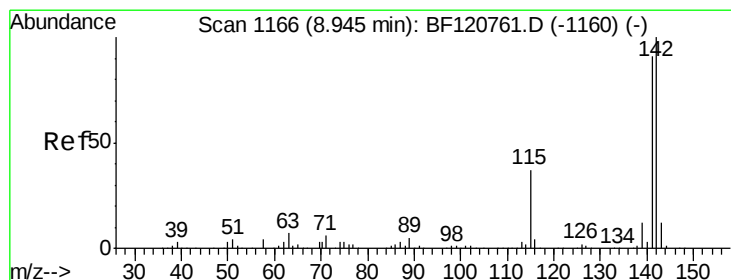
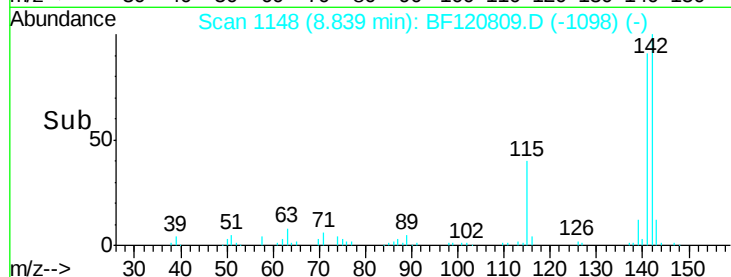
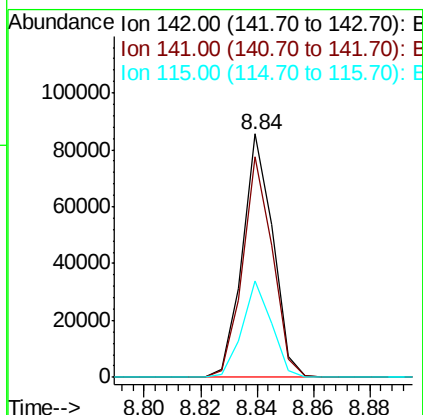
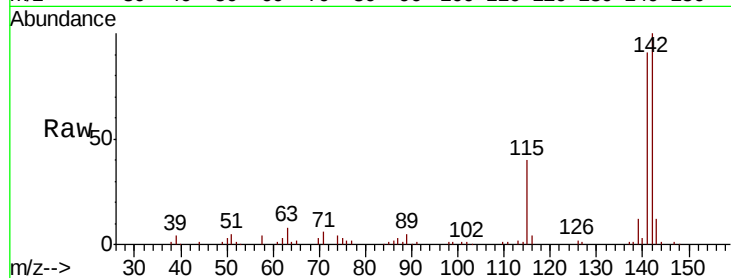




#37
 2-Methylnaphthalene
 Concen: 3.587 ng
 RT: 8.84 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

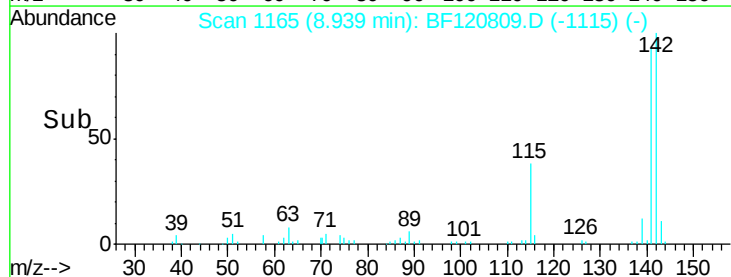
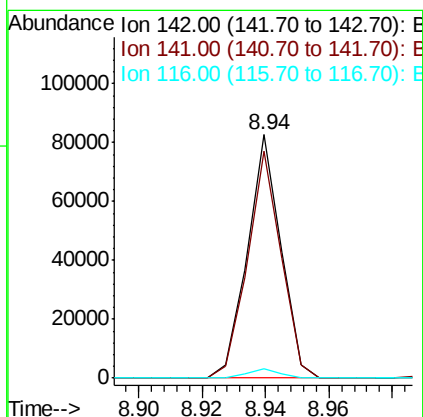
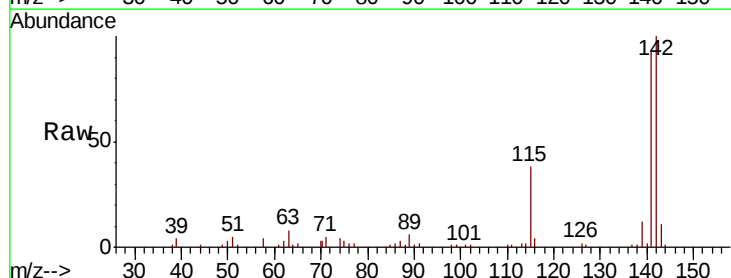
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

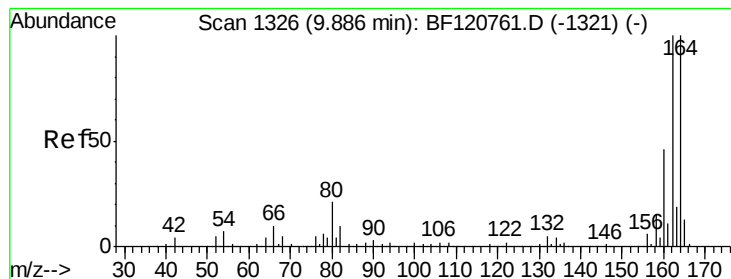
Tot Ion:142 Resp: 64114
 Ion Ratio Lower Upper
 142 100
 141 90.7 70.2 105.4
 115 39.6 29.0 43.4



#38
 1-Methylnaphthalene
 Concen: 3.604 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion:142 Resp: 60334
 Ion Ratio Lower Upper
 142 100
 141 93.2 72.5 108.7
 116 3.9 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

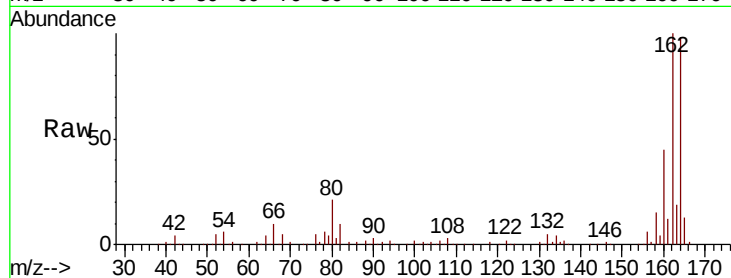
Tot Ion:164 Resp: 251987

Ion Ratio Lower Upper

164 100

162 101.7 80.2 120.2

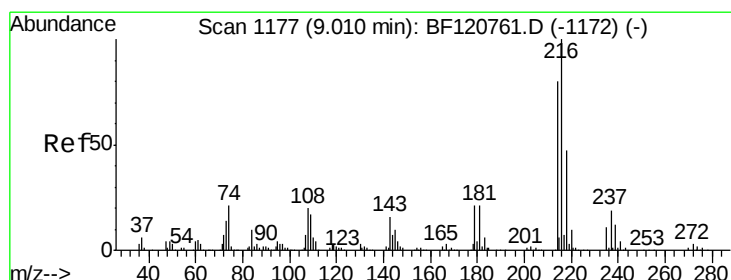
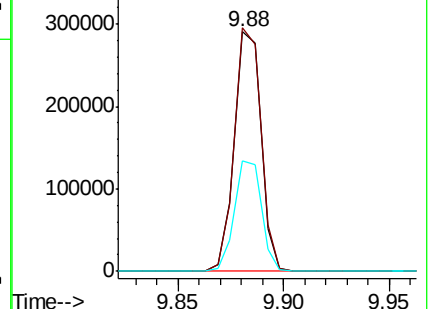
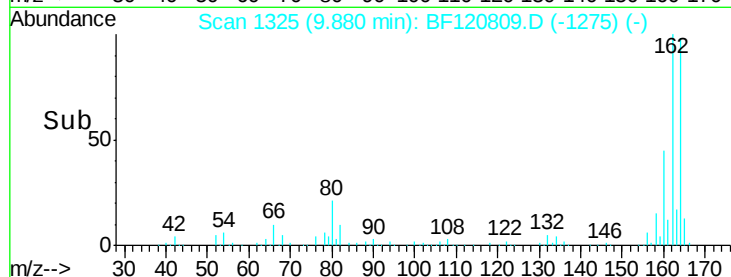
160 46.0 36.9 55.3



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: 3.743 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:216 Resp: 28506

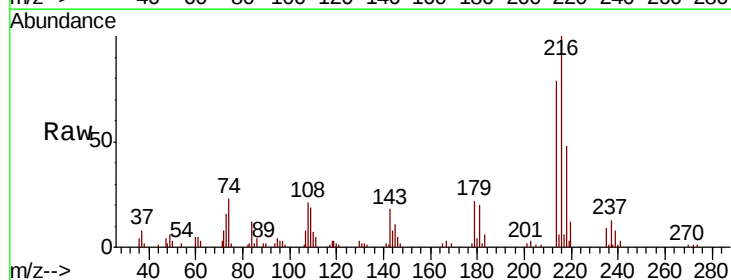
Ion Ratio Lower Upper

216 100

214 79.7 63.7 95.5

179 21.6 16.7 25.1

108 22.8 17.0 25.4

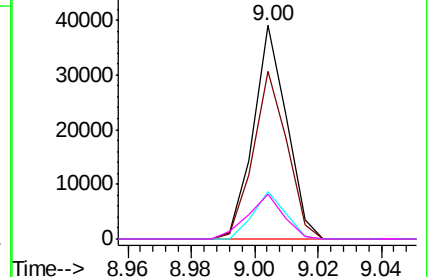
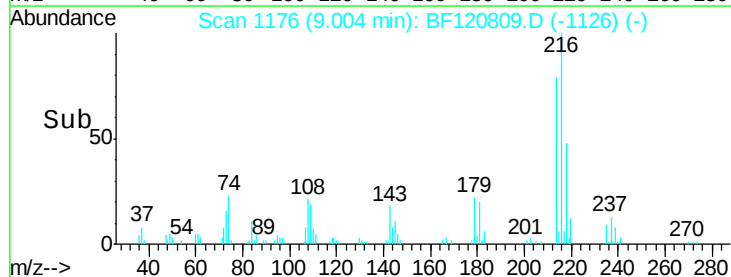


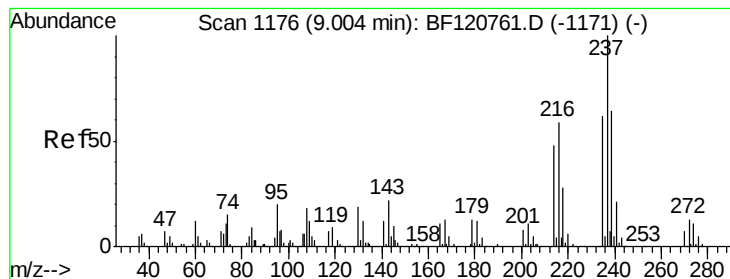
Abundance Ion 216.00 (215.70 to 216.70): E

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: 2.637 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

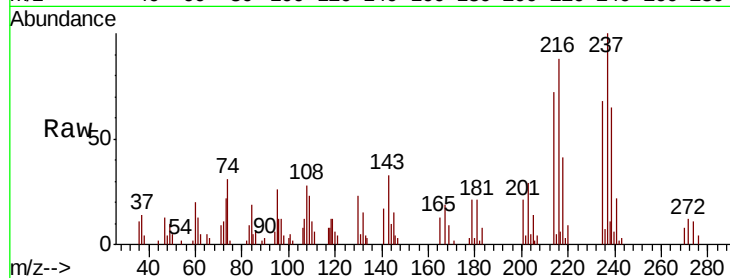
Tot Ion:237 Resp: 11866

Ion Ratio Lower Upper

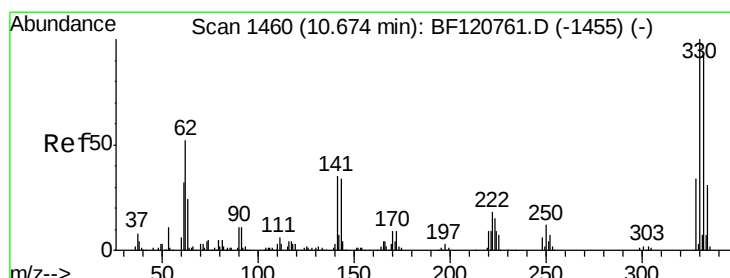
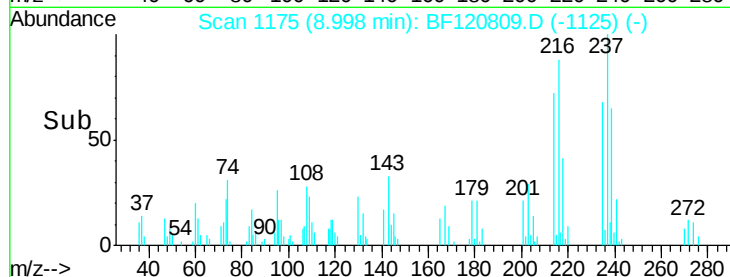
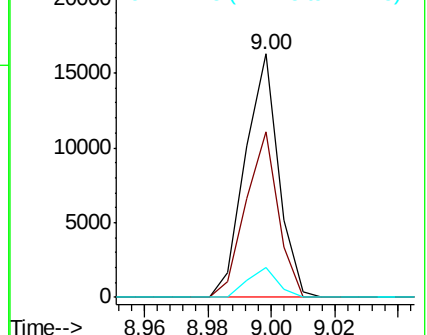
237 100

235 68.2 42.1 82.1

272 12.3 0.0 33.4



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



#42

2,4,6-Tribromophenol

Concen: 143.167 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

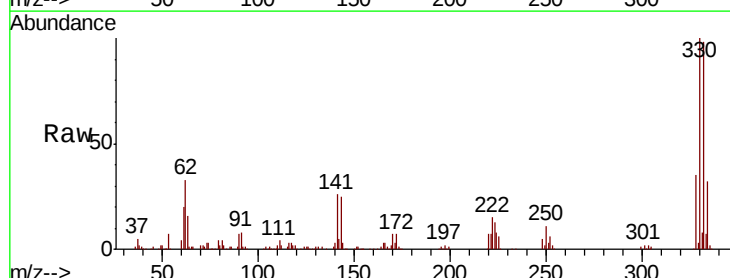
Tgt Ion:330 Resp: 362437

Ion Ratio Lower Upper

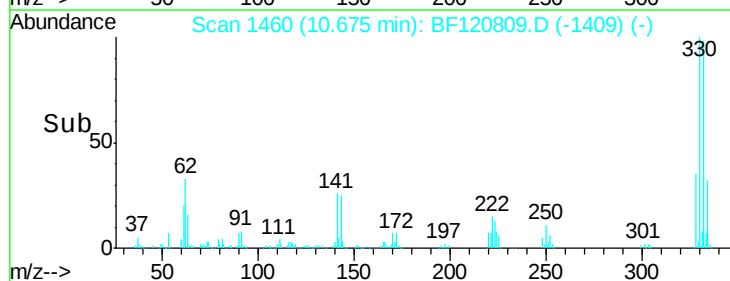
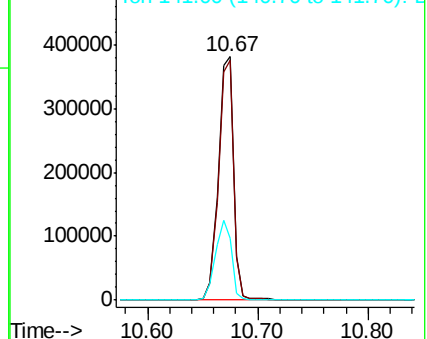
330 100

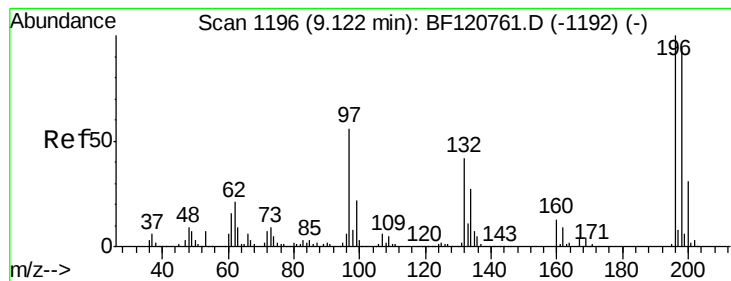
332 97.3 75.8 113.6

141 34.4 29.7 44.5



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





#43

2,4,6-Trichlorophenol

Concen: 2.789 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

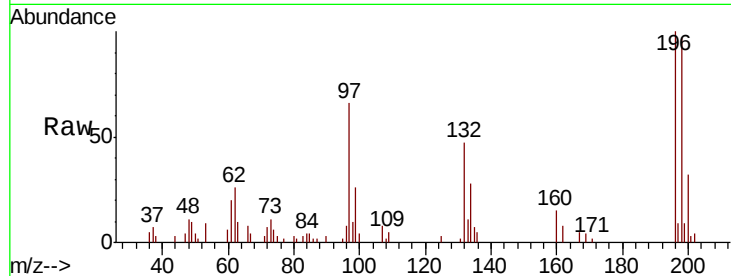
Tot Ion:196 Resp: 14473

Ion Ratio Lower Upper

196 100

198 97.4 75.3 112.9

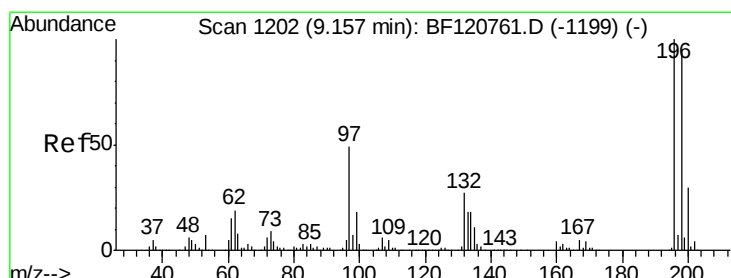
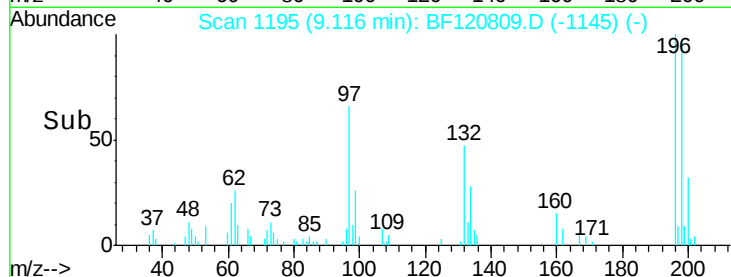
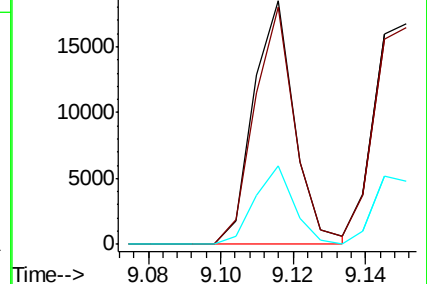
200 32.0 24.4 36.6



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 2.745 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Tgt Ion:196 Resp: 15807

Ion Ratio Lower Upper

196 100

198 98.6 76.2 114.2

97 55.5 39.6 59.4

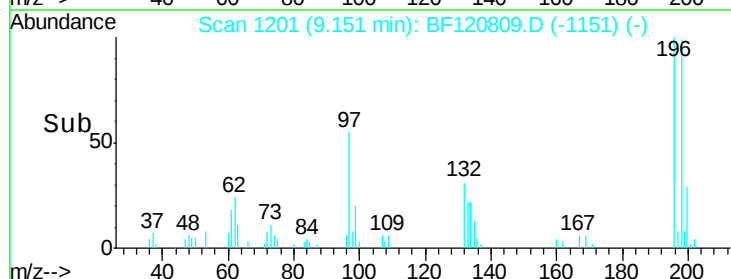
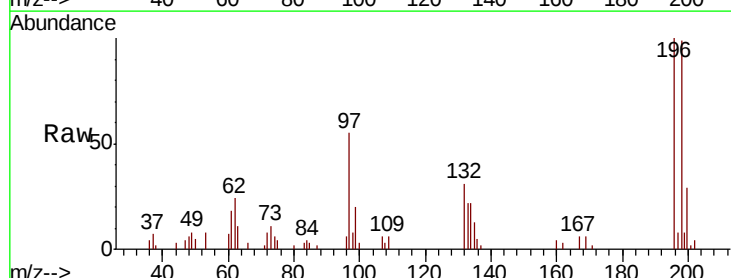
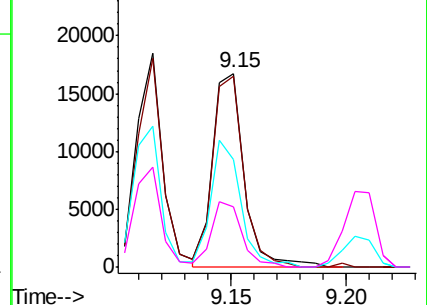
132 31.0 22.0 33.0

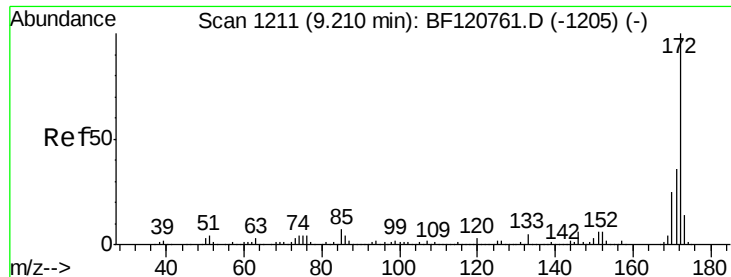
Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

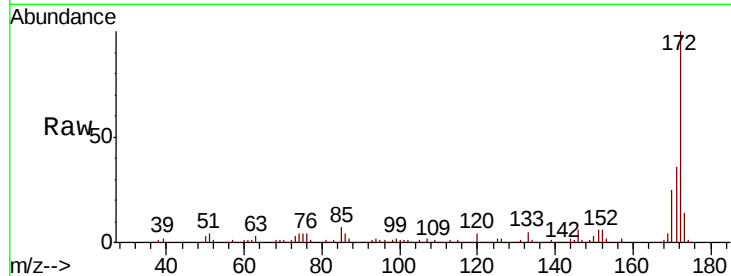




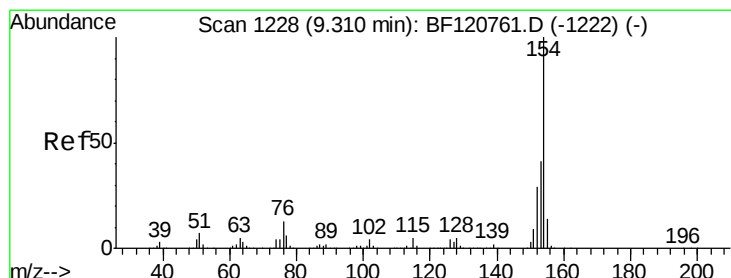
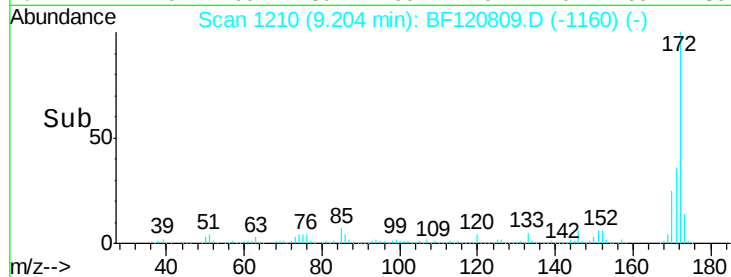
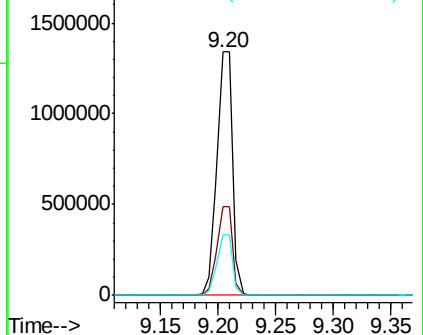
#45
2-Fluorobiphenyl
Concen: 75.862 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:172 Resp: 1263514
Ion Ratio Lower Upper
172 100
171 36.4 29.1 43.7
170 24.9 19.8 29.6

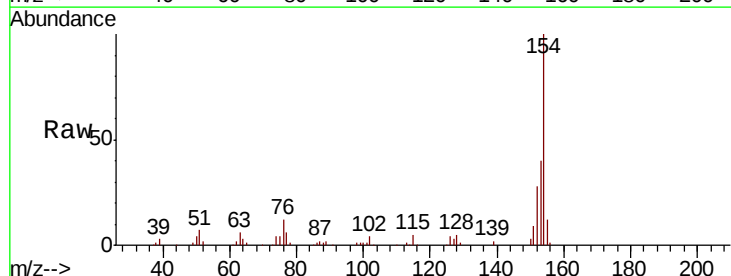


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

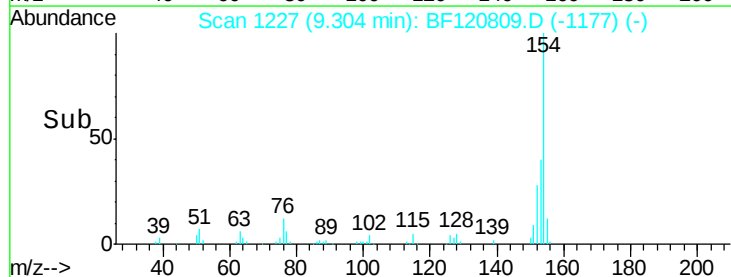
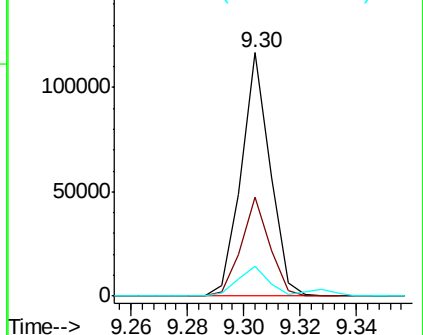


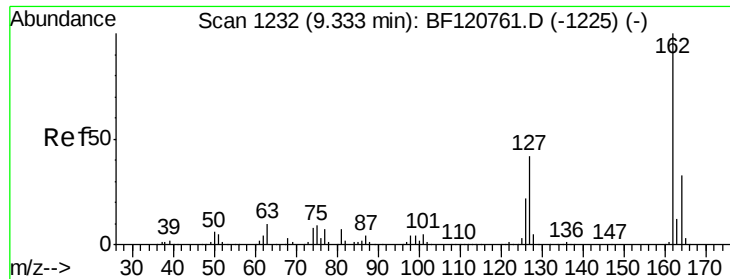
#46
1,1'-Biphenyl
Concen: 4.064 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:154 Resp: 82600
Ion Ratio Lower Upper
154 100
153 40.4 20.7 60.7
76 12.3 0.0 33.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

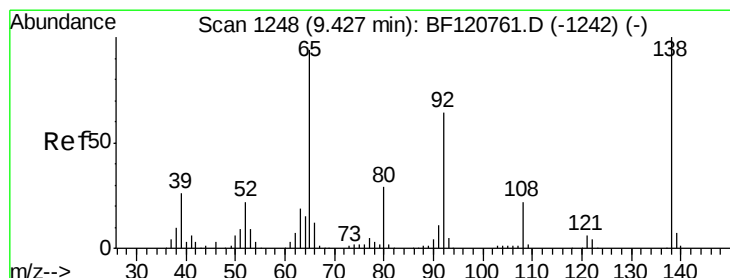
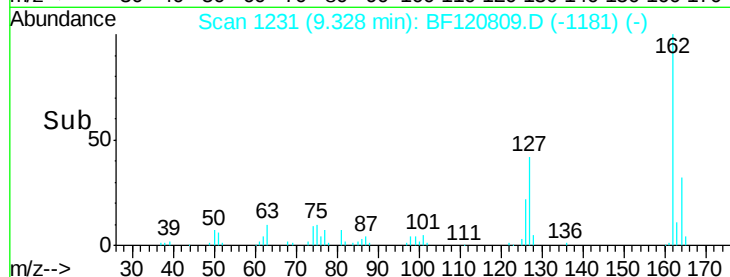
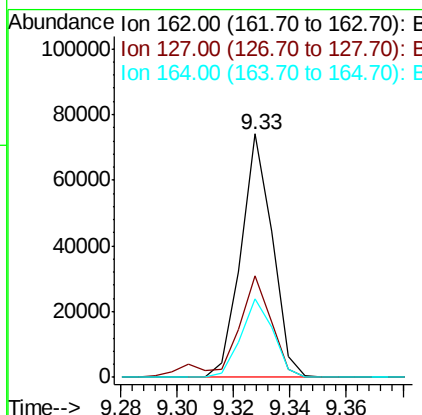
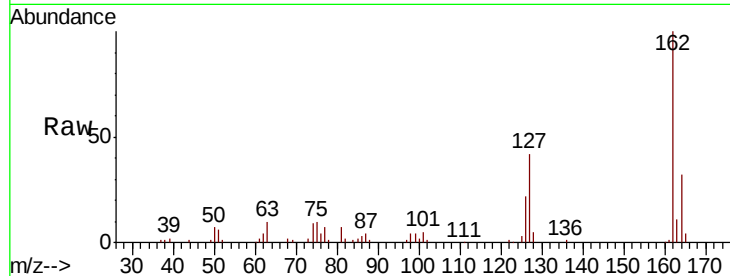




#47
 2-Chloronaphthalene
 Concen: 3.509 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

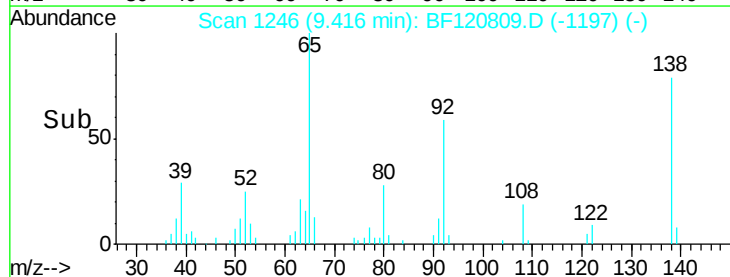
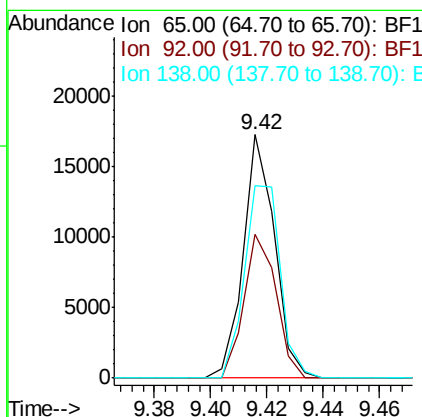
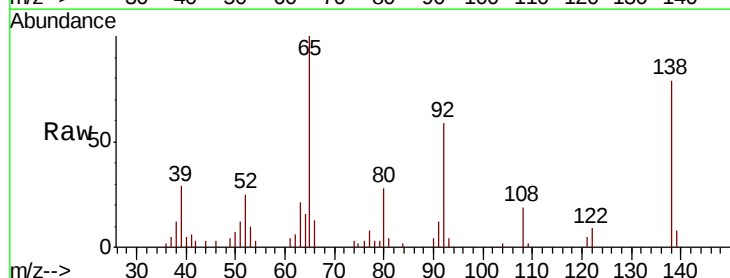
Instrument :
 BNA_F
 ClientSampleID :
 LOD-MDL-SOIL-01-QT3-2020

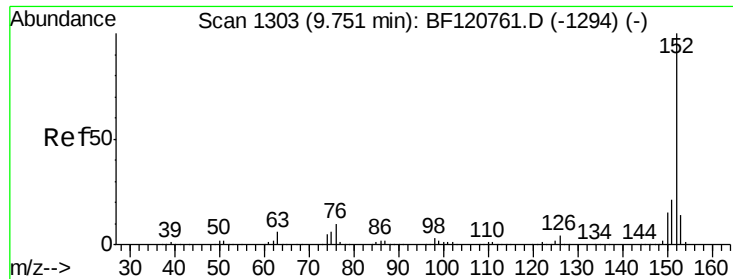
Tot Ion:162 Resp: 57137
 Ion Ratio Lower Upper
 162 100
 127 41.6 33.7 50.5
 164 32.4 26.4 39.6



#48
 2-Nitroaniline
 Concen: 3.054 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion: 65 Resp: 13307
 Ion Ratio Lower Upper
 65 100
 92 59.2 54.4 81.6
 138 78.8 84.7 127.1#

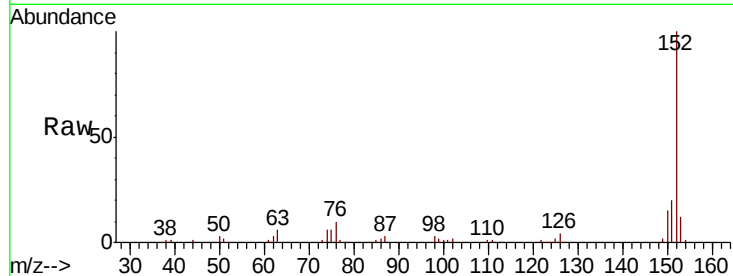




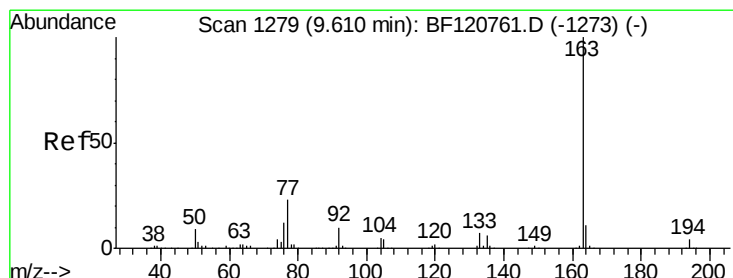
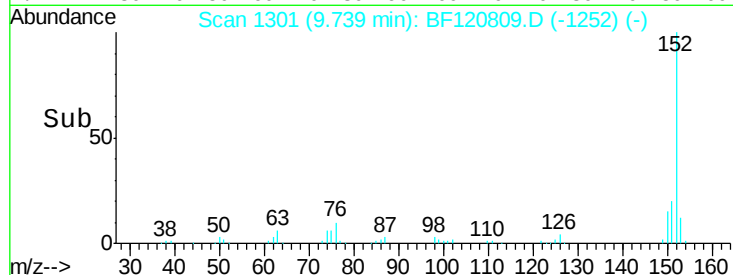
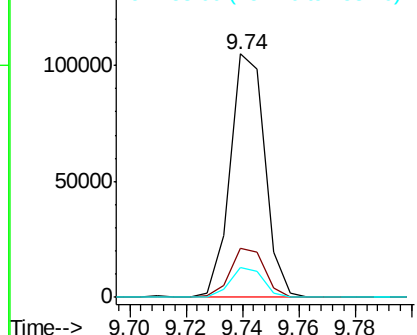
#49
Acenaphthylene
Concen: 3.506 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:152 Resp: 89505
Ion Ratio Lower Upper
152 100
151 20.0 16.9 25.3
153 12.4 10.8 16.2

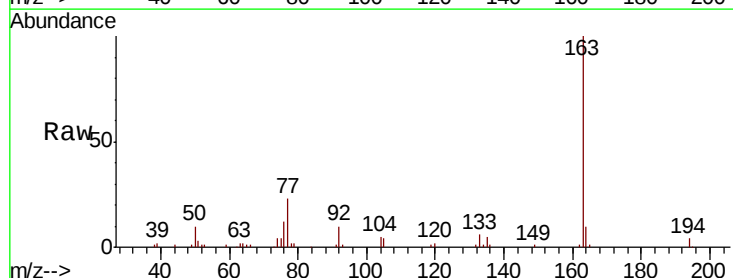


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

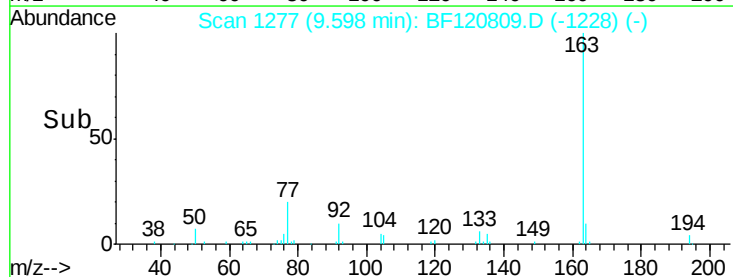
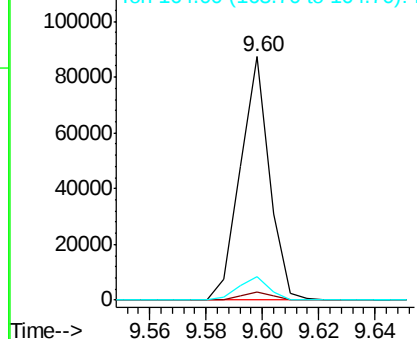


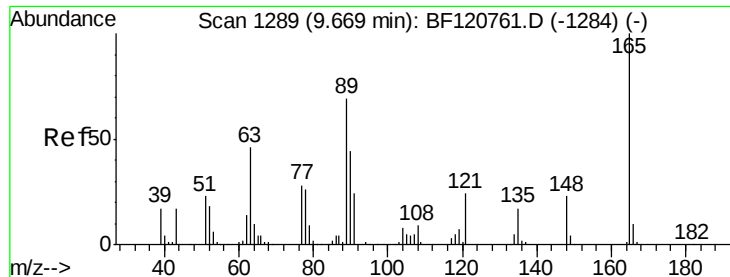
#50
Dimethylphthalate
Concen: 3.393 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:163 Resp: 62378
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 9.7 8.5 12.7



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: 3.022 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

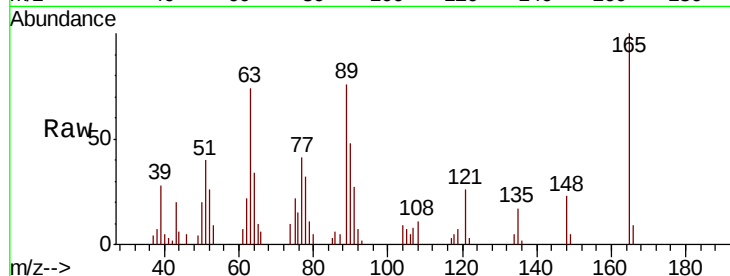
Tot Ion:165 Resp: 10034

Ion Ratio Lower Upper

165 100

63 73.8 54.0 81.0

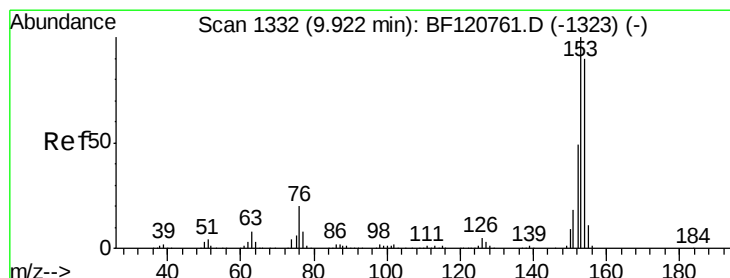
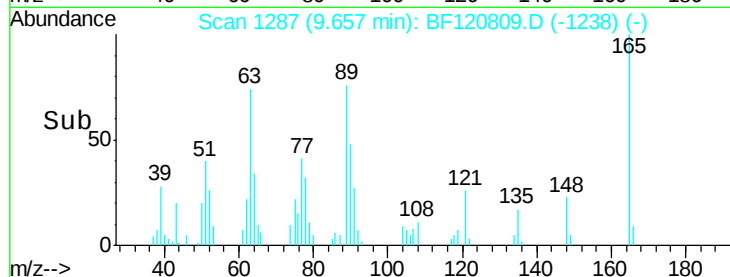
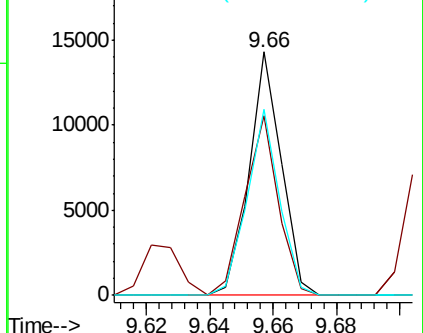
89 76.2 55.4 83.2



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 3.336 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

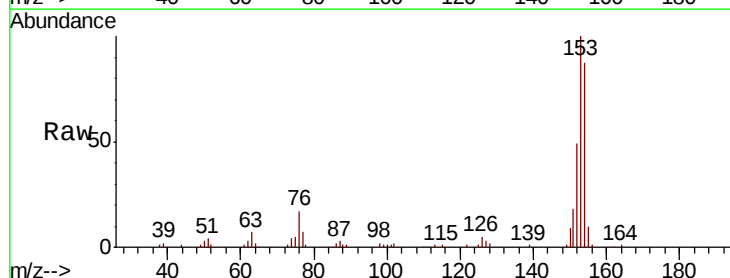
Tgt Ion:154 Resp: 52831

Ion Ratio Lower Upper

154 100

153 114.3 88.6 132.8

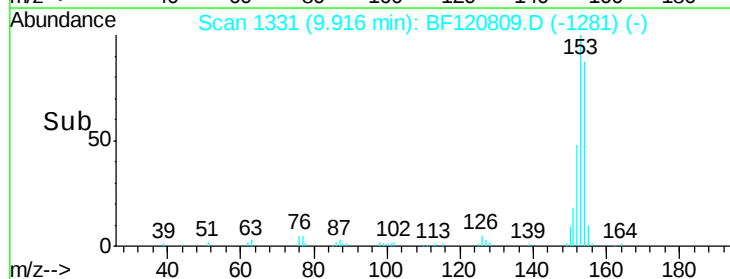
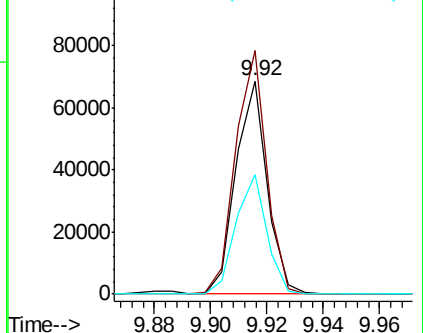
152 56.2 43.6 65.4

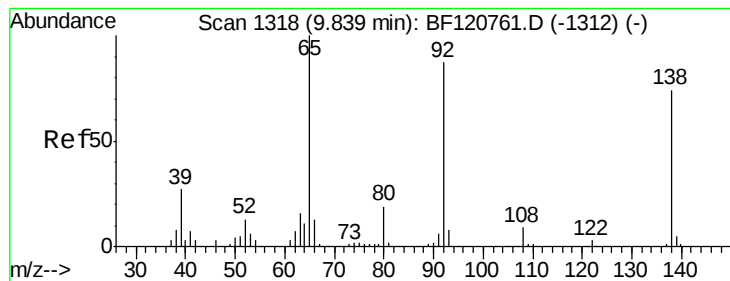


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 2.885 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

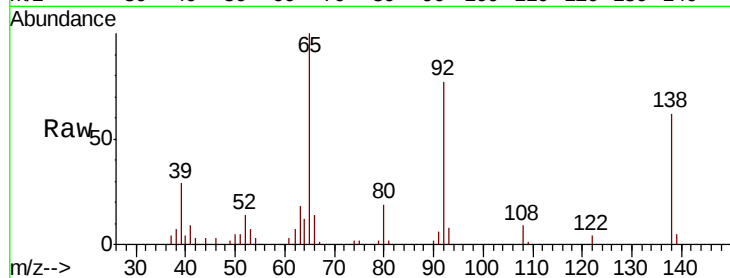
Tot Ion:138 Resp: 11835

Ion Ratio Lower Upper

138 100

108 13.9 9.8 14.6

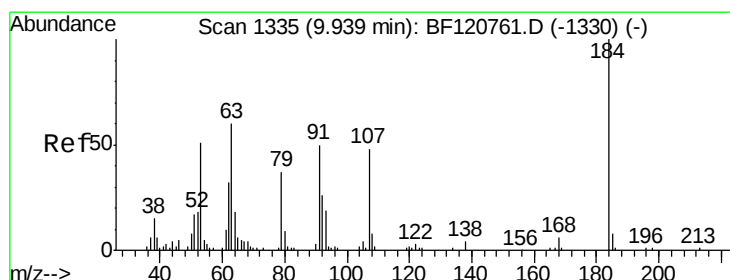
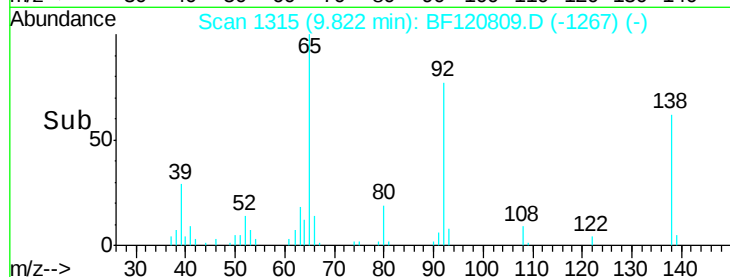
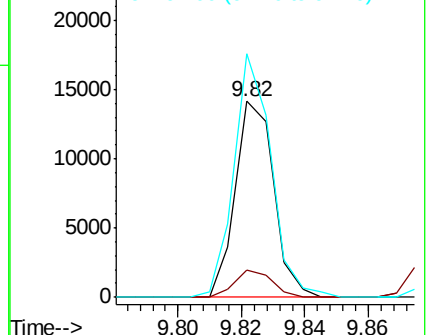
92 124.4 93.4 140.2



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 0.746 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

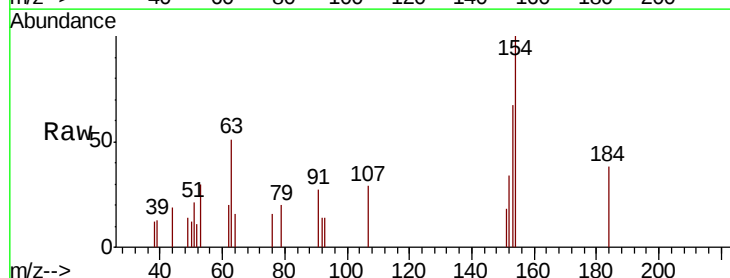
Tgt Ion:184 Resp: 818

Ion Ratio Lower Upper

184 100

63 134.1 57.3 85.9#

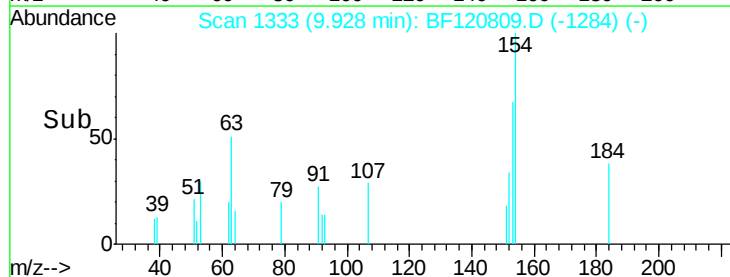
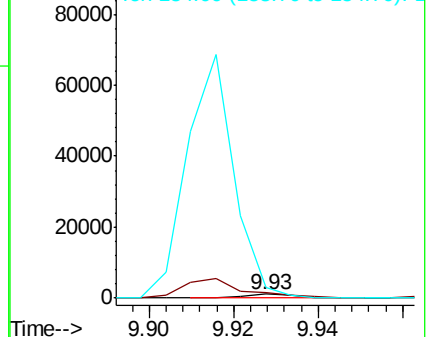
154 261.1 55.8 83.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 3.610 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

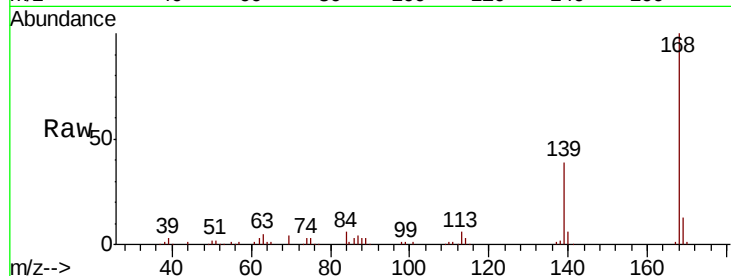
Tot Ion:168 Resp: 82414

Ion Ratio Lower Upper

168 100

139 39.3 31.3 46.9

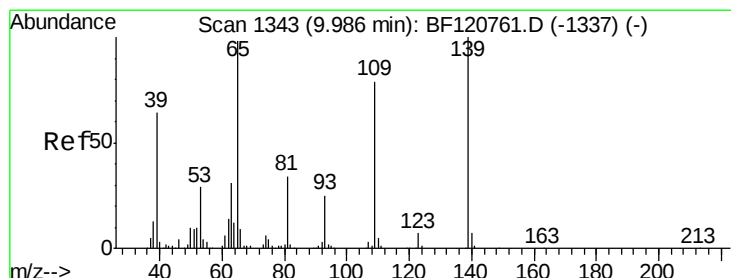
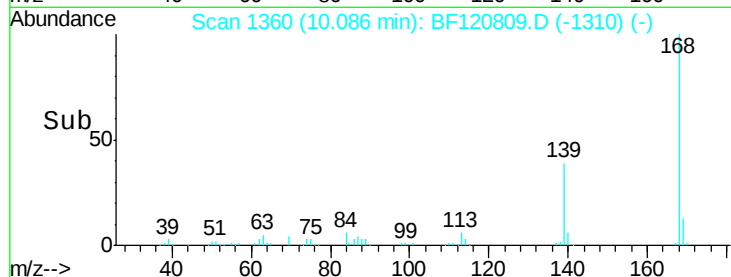
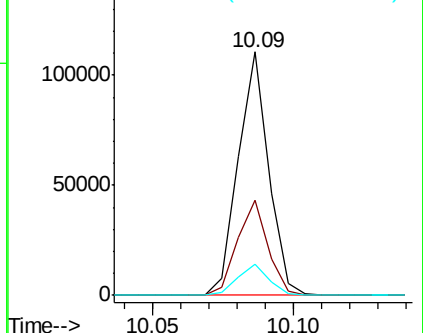
169 13.0 11.2 16.8



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 2.250 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

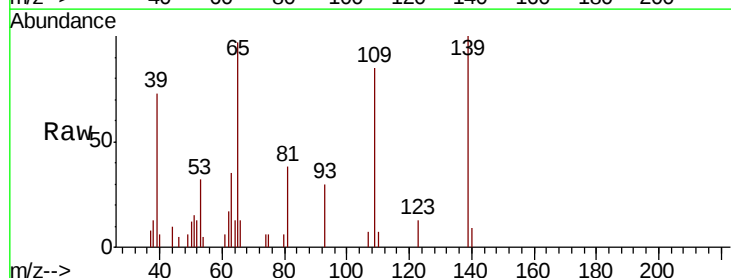
Tgt Ion:139 Resp: 6779

Ion Ratio Lower Upper

139 100

109 84.8 58.6 98.6

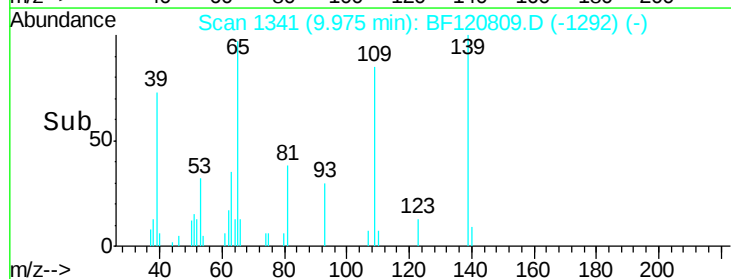
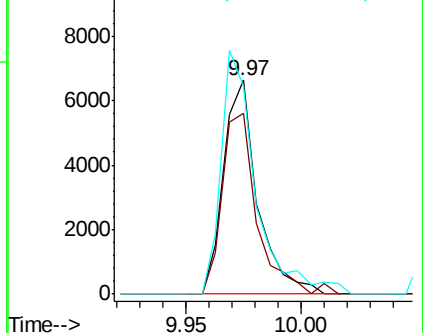
65 97.3 78.7 118.7



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

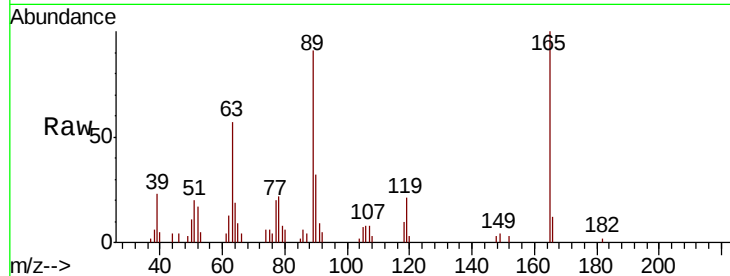




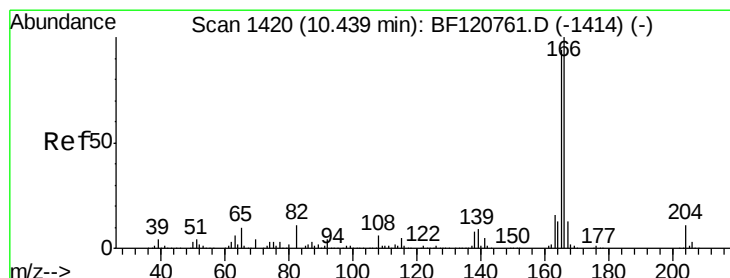
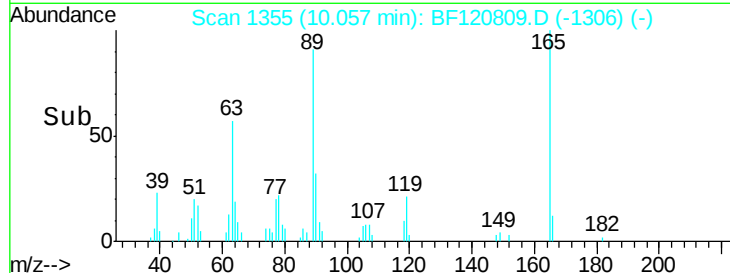
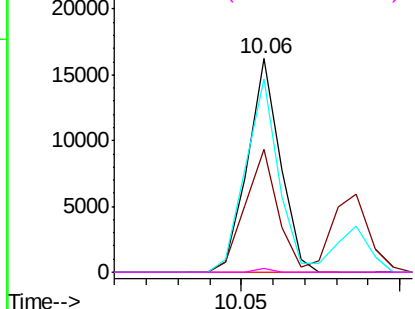
#57
2,4-Dinitrotoluene
Concen: 2.907 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:165 Resp: 11590
Ion Ratio Lower Upper
165 100
63 57.4 43.8 65.8
89 90.5 71.4 107.2
182 2.0 1.8 2.6

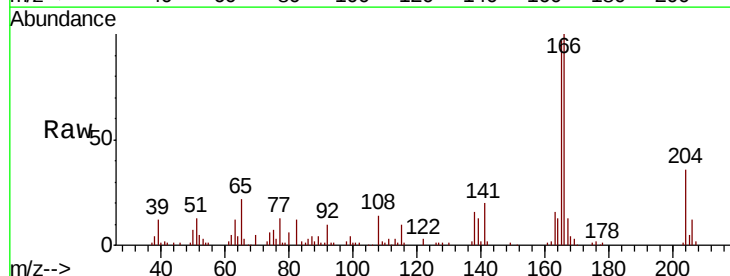


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

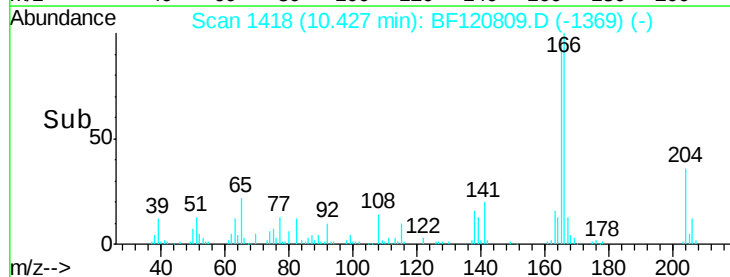
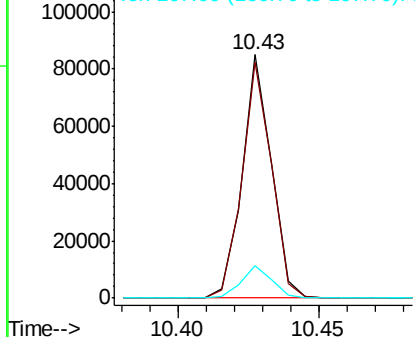


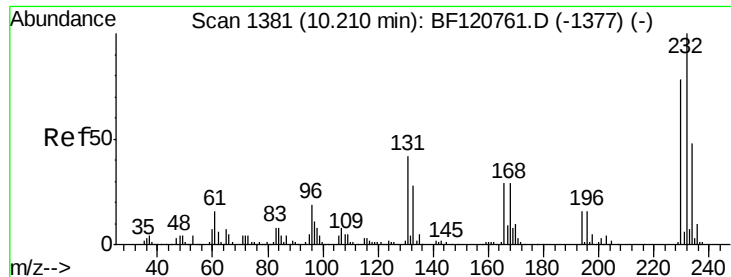
#58
Fluorene
Concen: 3.569 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:166 Resp: 60639
Ion Ratio Lower Upper
166 100
165 96.7 75.5 113.3
167 13.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

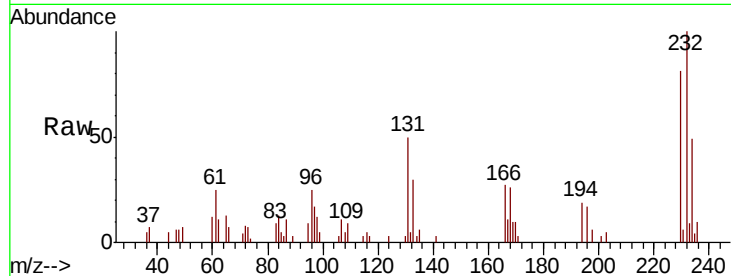




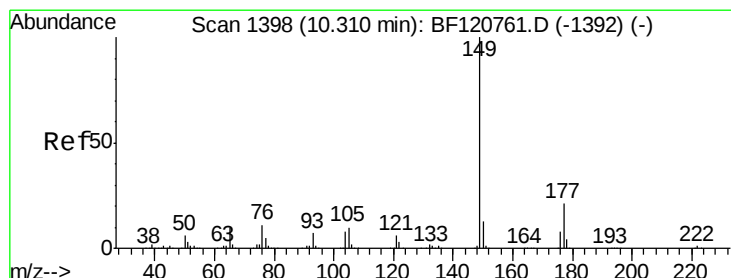
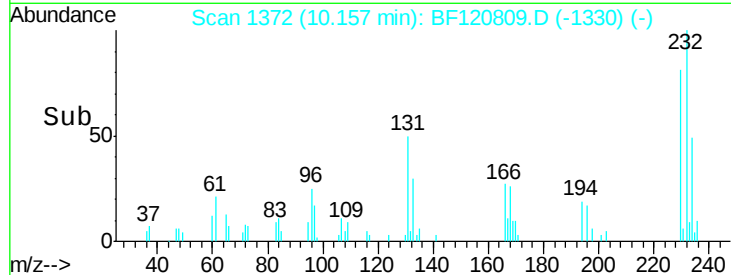
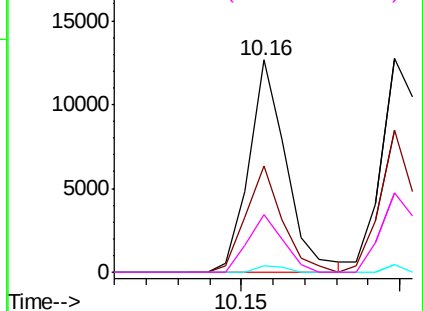
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 2.425 ng
 RT: 10.16 min Scan# 1372
 Delta R.T. -0.05 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

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

Tot Ion:232	Resp:	10392
Ion Ratio	Lower	Upper
232	100	
131	48.5	36.3 54.5
130	2.4	2.0 3.0
166	25.5	20.9 31.3

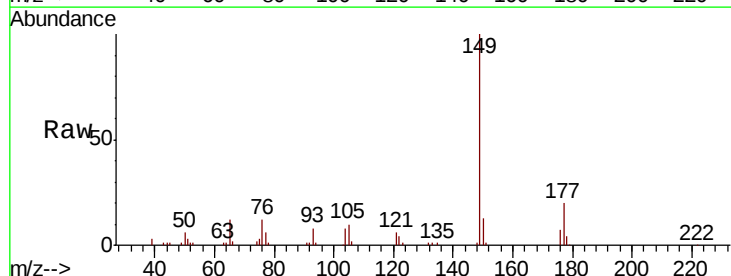


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

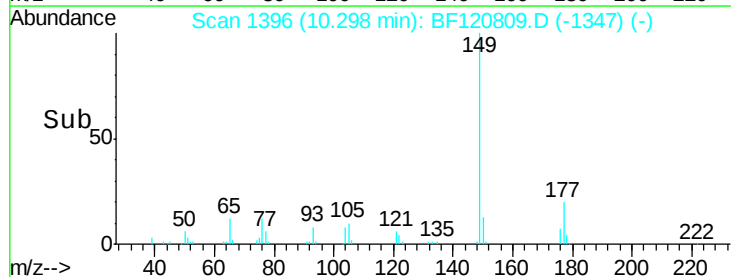
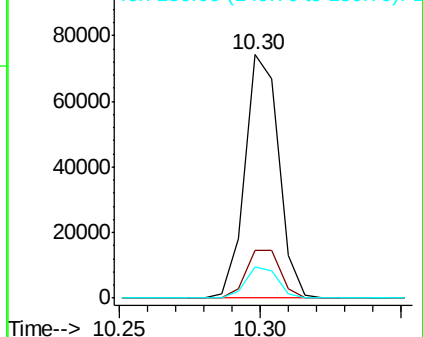


#60
 Diethylphthalate
 Concen: 3.220 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion:149	Resp:	61659
Ion Ratio	Lower	Upper
149	100	
177	19.6	16.4 24.6
150	12.9	10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

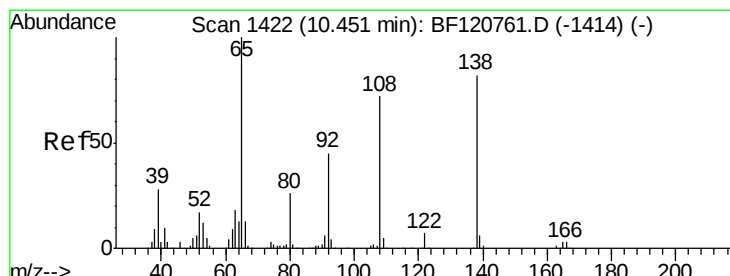
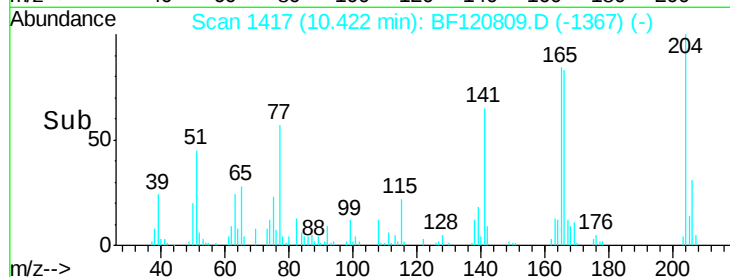
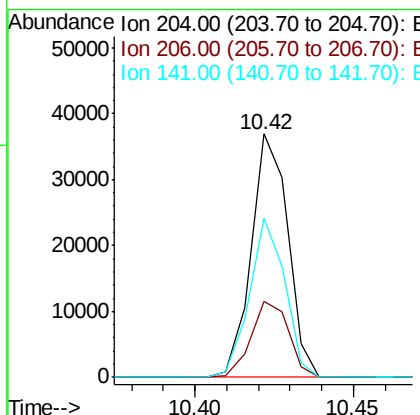
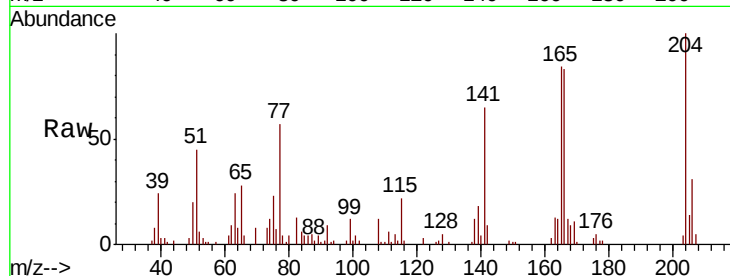




#61
4-Chlorophenyl-phenylether
Concen: 3.468 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

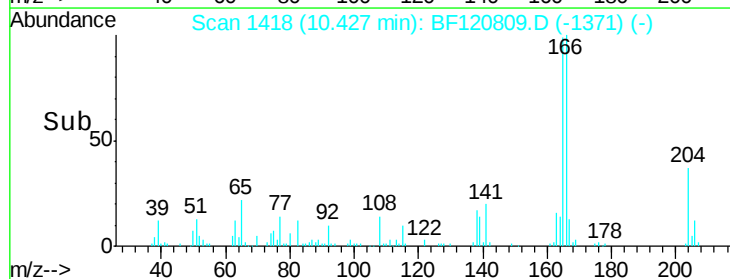
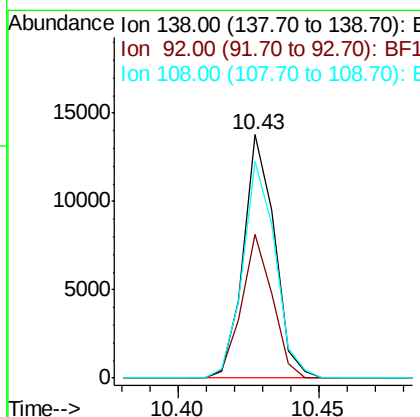
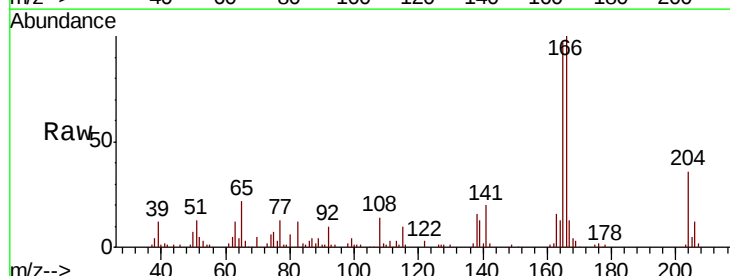
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:204 Resp: 29626
Ion Ratio Lower Upper
204 100
206 31.3 26.7 40.1
141 65.4 48.5 72.7



#62
4-Nitroaniline
Concen: 2.716 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:138 Resp: 10608
Ion Ratio Lower Upper
138 100
92 59.2 34.3 74.3
108 89.1 68.3 108.3

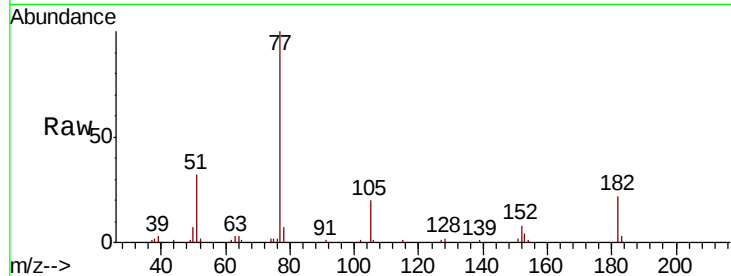




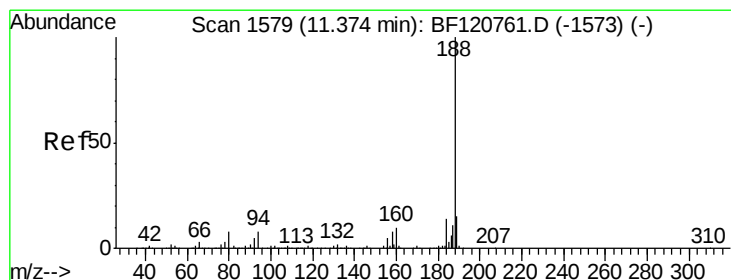
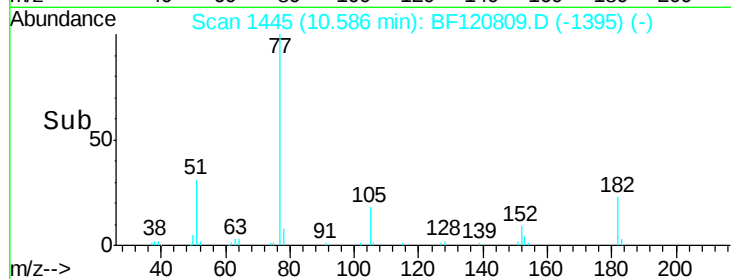
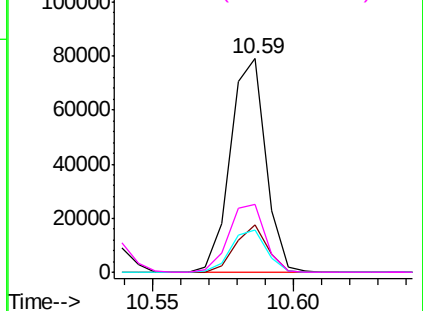
#63
Azobenzene
Concen: 3.492 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:	77	Resp:	68395
Ion	Ratio	Lower	Upper
77	100		
182	22.5	4.0	44.0
105	20.0	2.6	42.6
51	31.7	11.5	51.5

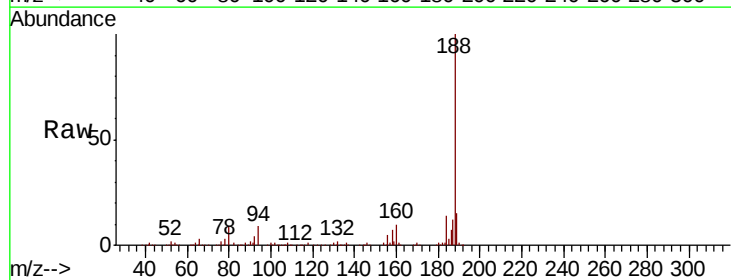


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

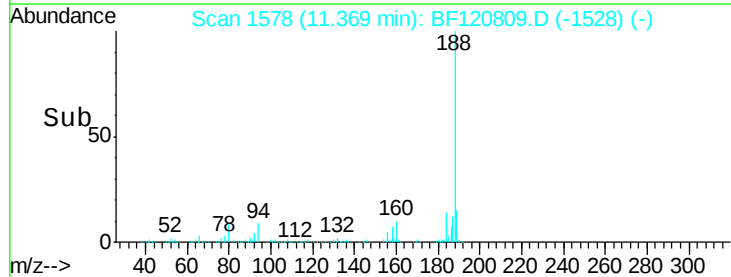
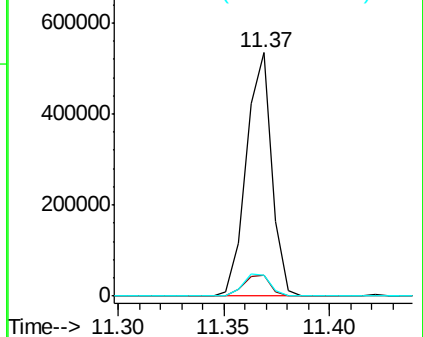


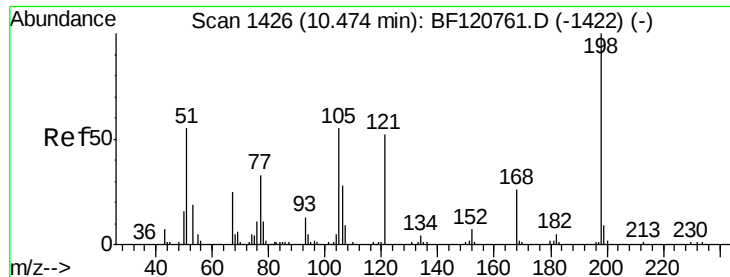
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:	188	Resp:	447120
Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	9.8
80	8.7	6.6	10.0



Abundance Ion 188.00 (187.70 to 188.70): BF1
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

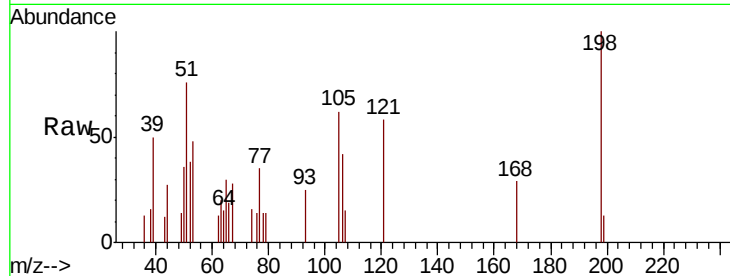




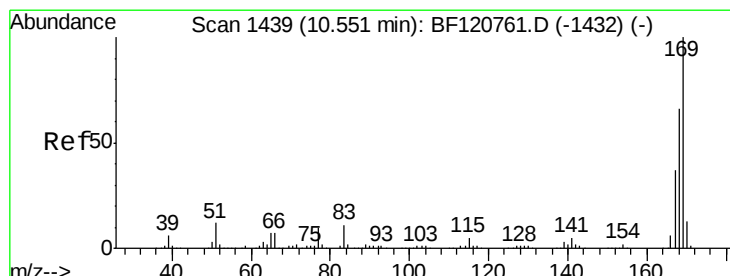
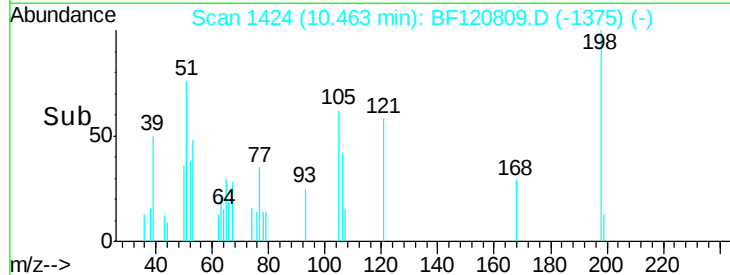
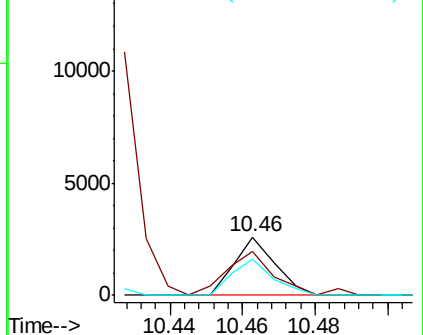
#65
 4,6-Dinitro-2-methylphenol
 Concen: 1.394 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

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

Tot Ion:198 Resp: 2002
 Ion Ratio Lower Upper
 198 100
 51 76.0 50.0 90.0
 105 62.2 38.3 78.3

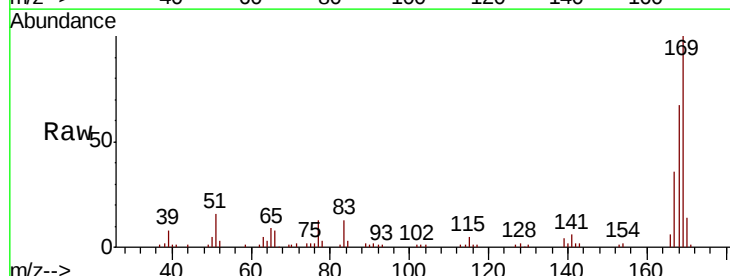


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

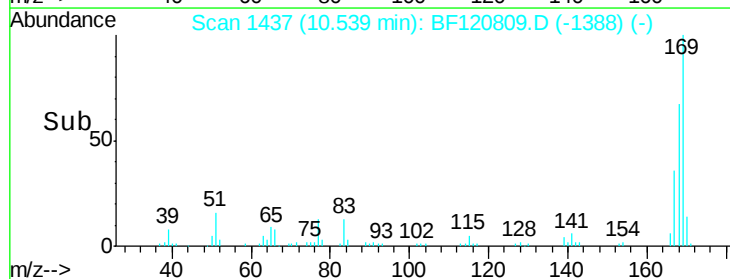
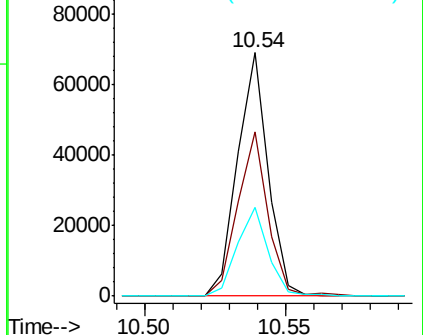


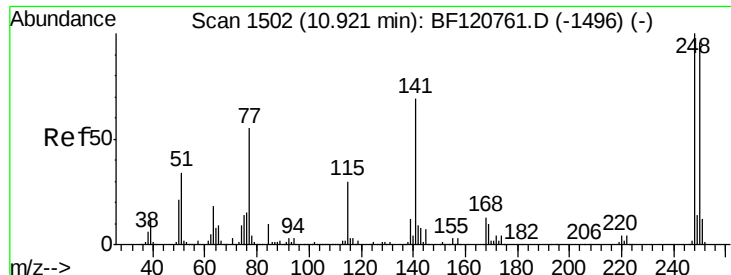
#66
 n-Nitrosodiphenylamine
 Concen: 3.433 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion:169 Resp: 51447
 Ion Ratio Lower Upper
 169 100
 168 67.2 53.1 79.7
 167 36.4 29.6 44.4



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

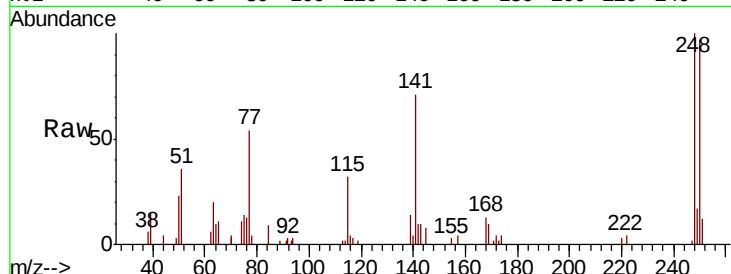




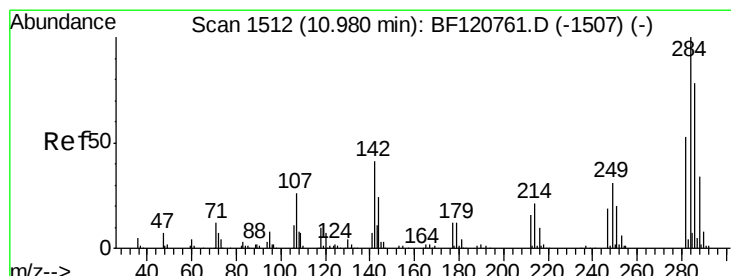
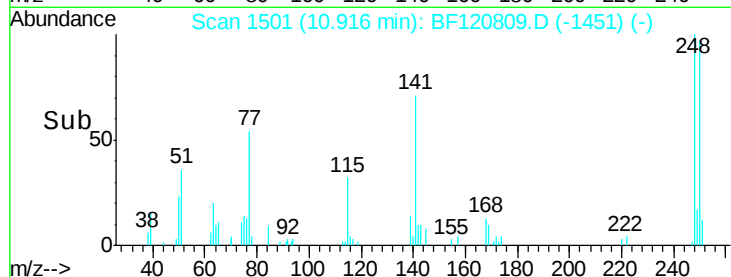
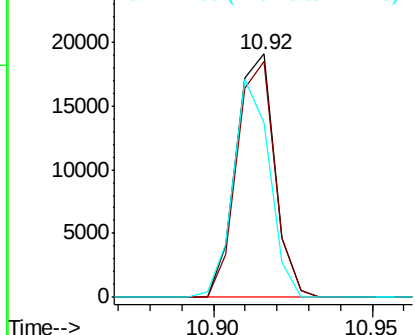
#67
 4-Bromophenyl-phenylether
 Concen: 3.090 ng
 RT: 10.92 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

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

Tot Ion:248 Resp: 16027
 Ion Ratio Lower Upper
 248 100
 250 97.1 76.5 114.7
 141 71.5 54.9 82.3

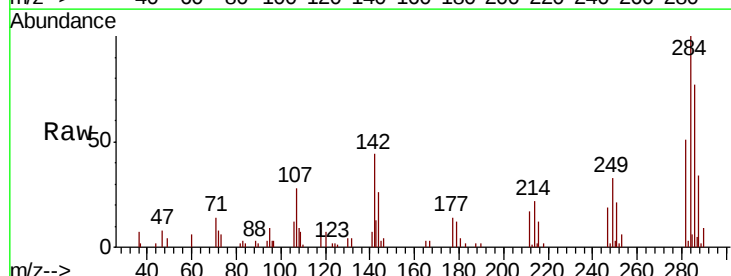


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

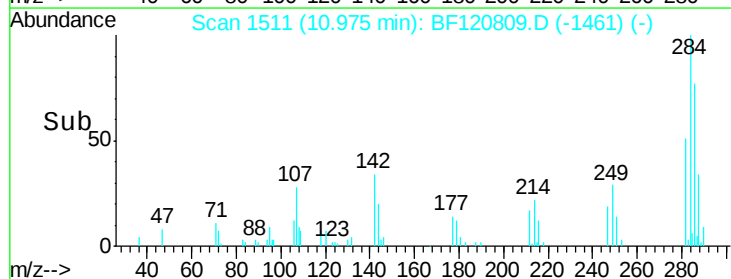
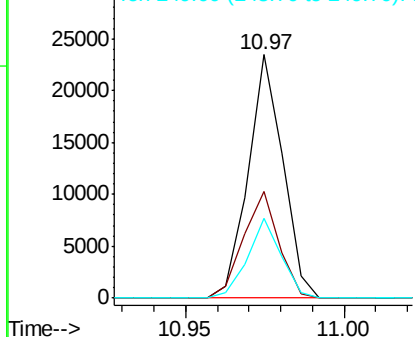


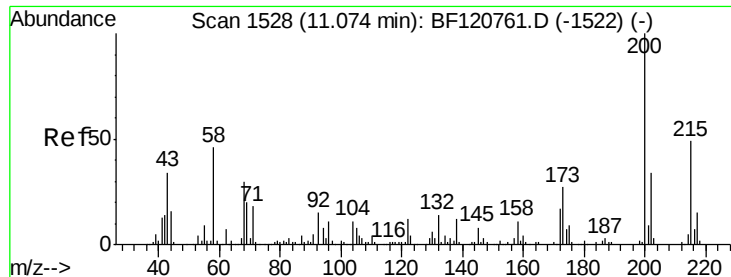
#68
 Hexachlorobenzene
 Concen: 3.265 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion:284 Resp: 17771
 Ion Ratio Lower Upper
 284 100
 142 43.7 32.5 48.7
 249 33.0 24.8 37.2



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

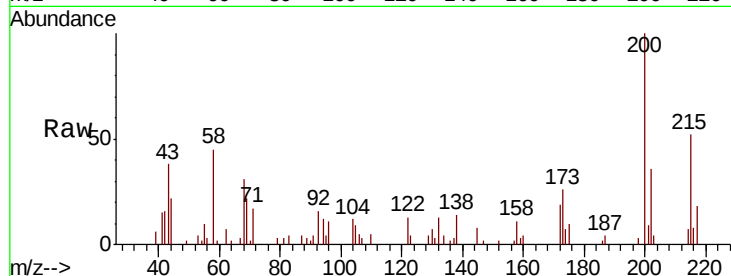




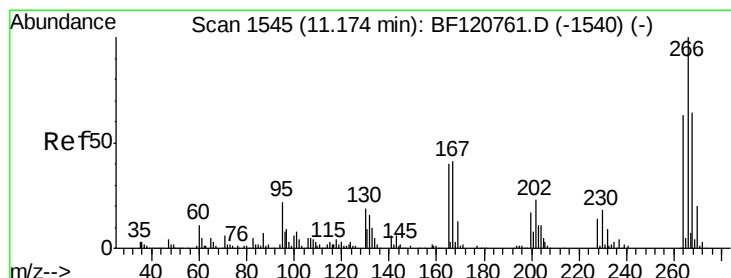
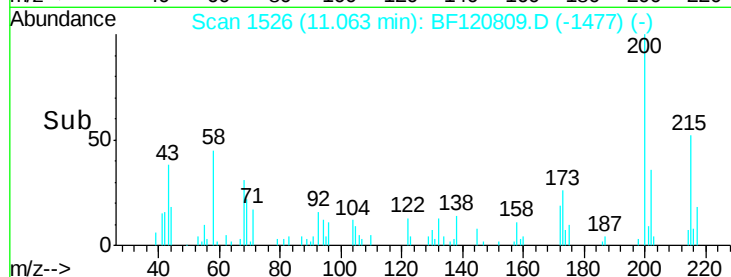
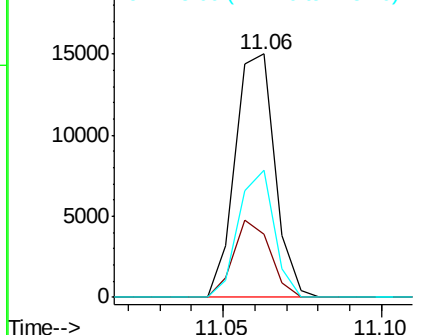
#69
Atrazine
Concen: 3.372 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:200 Resp: 13017
Ion Ratio Lower Upper
200 100
173 25.7 7.4 47.4
215 52.0 28.8 68.8

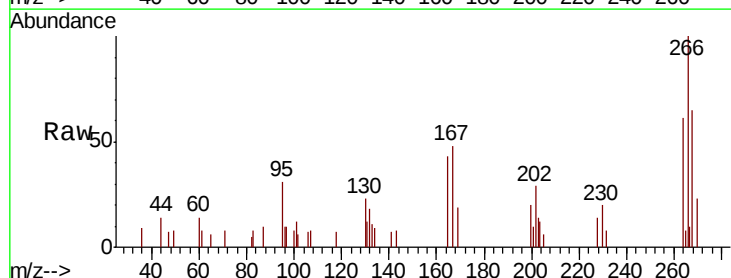


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

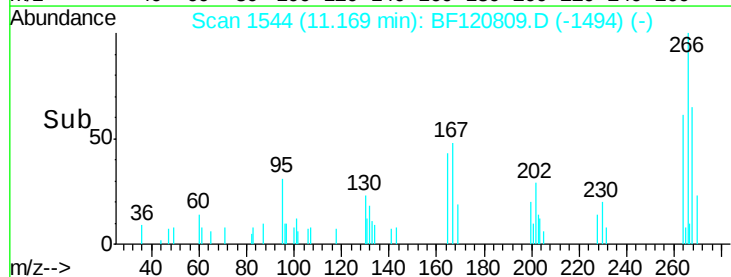
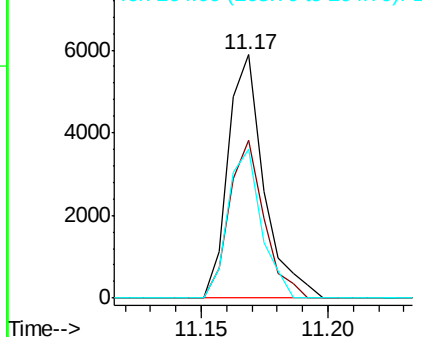


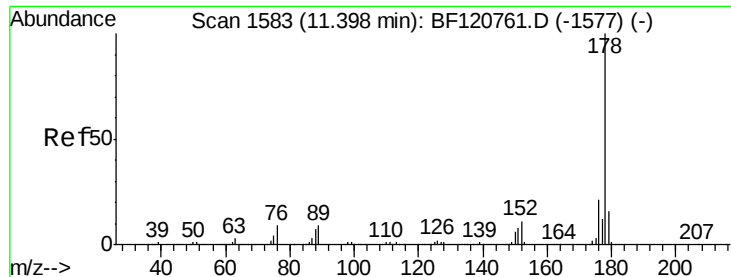
#70
Pentachlorophenol
Concen: 1.872 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:266 Resp: 5765
Ion Ratio Lower Upper
266 100
268 65.1 51.4 77.2
264 68.9 50.6 75.8



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

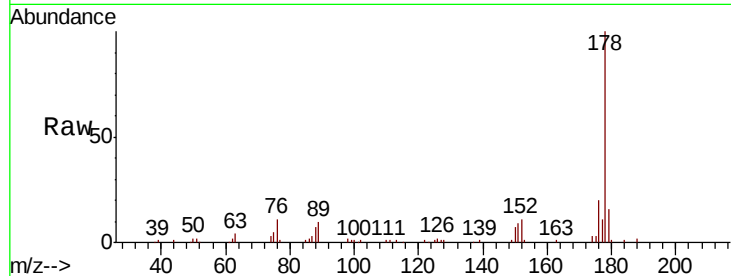




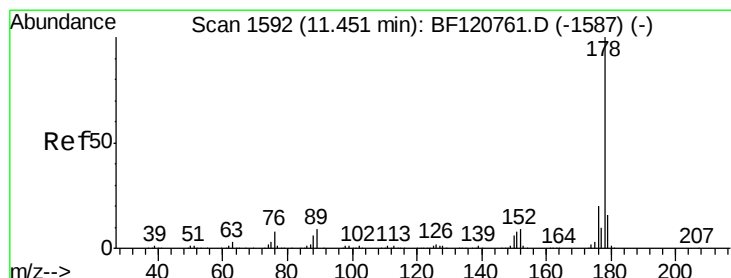
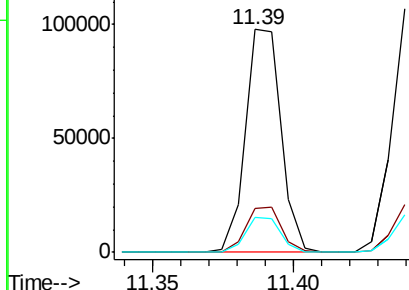
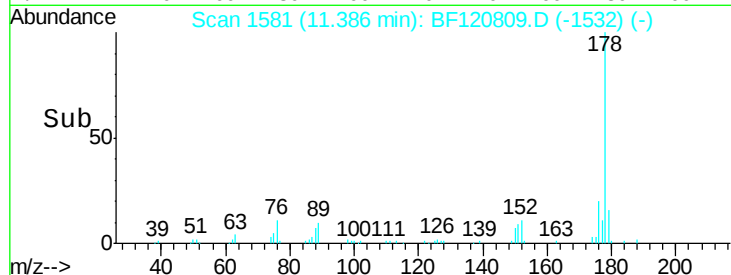
#71
Phenanthrene
Concen: 3.528 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:178 Resp: 85583
Ion Ratio Lower Upper
178 100
176 19.7 16.4 24.6
179 15.8 12.9 19.3

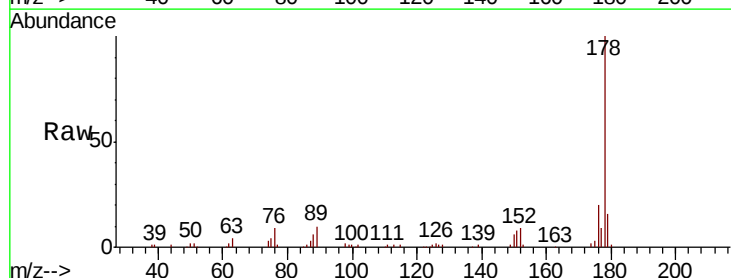


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

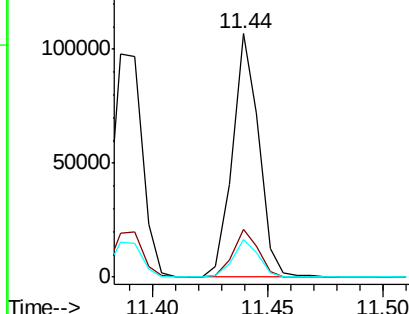
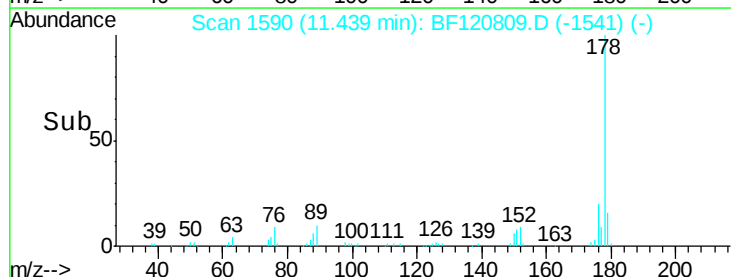


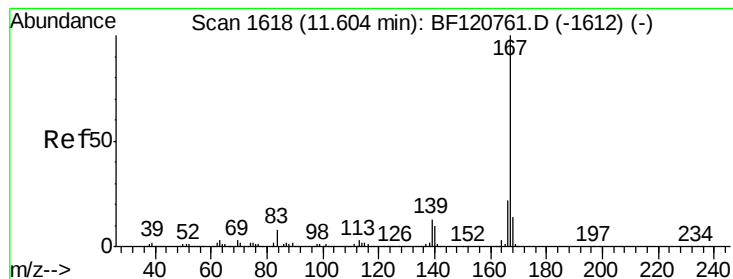
#72
Anthracene
Concen: 3.460 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:178 Resp: 84828
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.2
179 15.6 12.7 19.1



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: 3.166 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

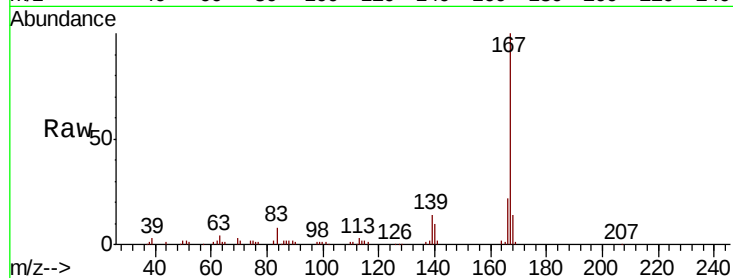
Tot Ion:167 Resp: 74578

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.8

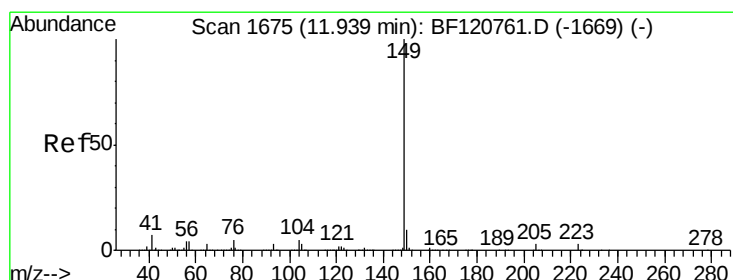
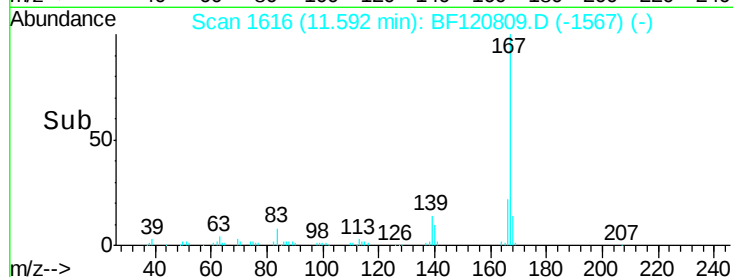
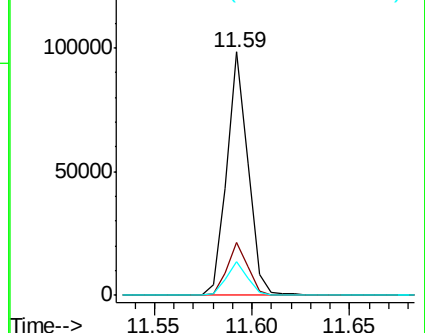
139 13.7 10.7 16.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 2.724 ng

RT: 11.93 min Scan# 1674

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

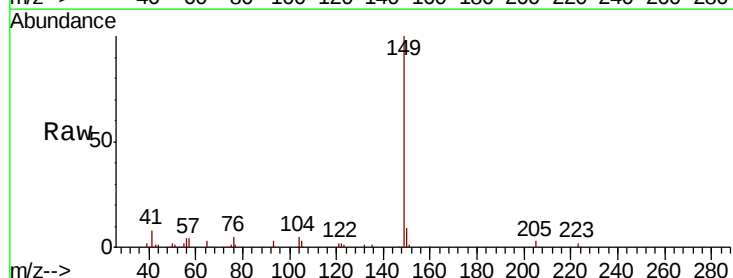
Tgt Ion:149 Resp: 79454

Ion Ratio Lower Upper

149 100

150 8.7 7.7 11.5

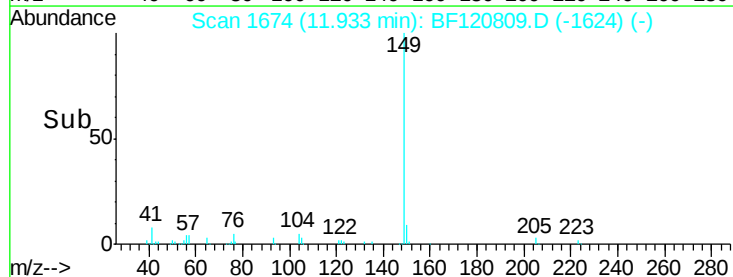
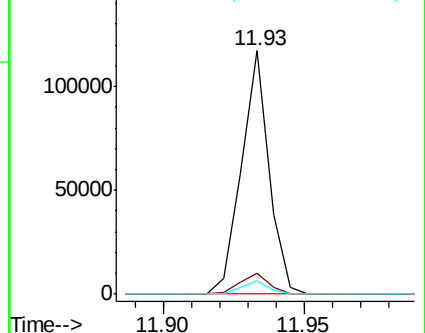
104 5.2 4.0 6.0

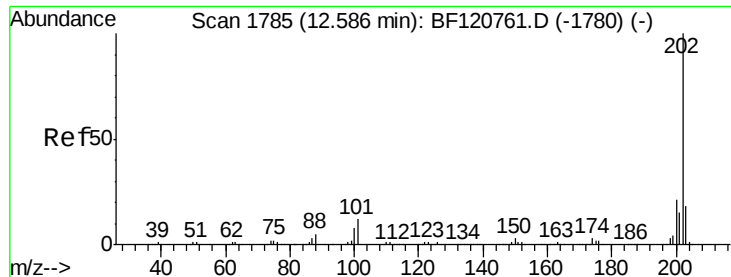


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

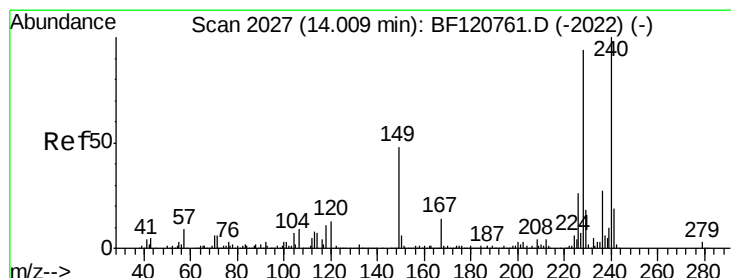
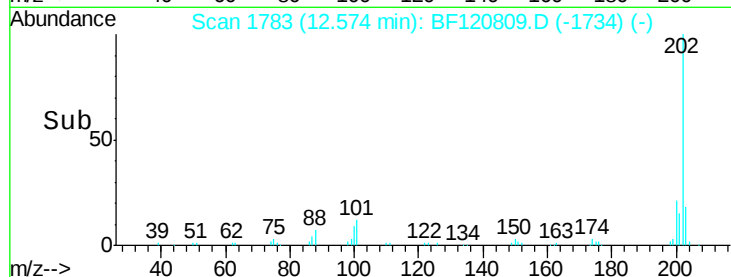
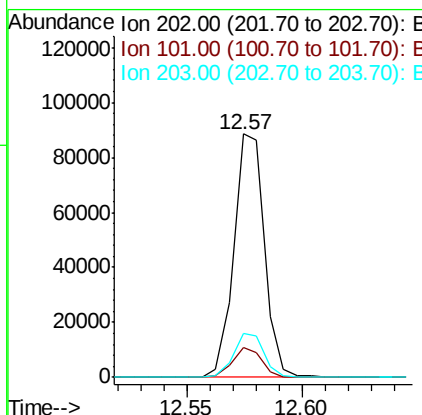
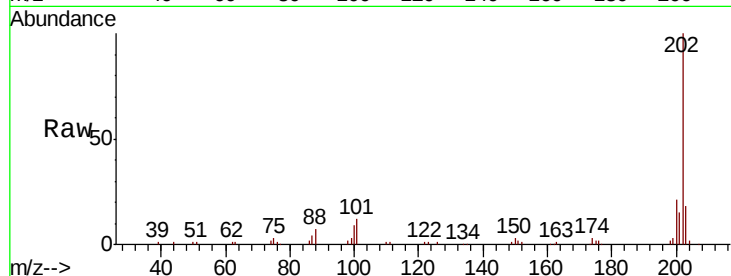




#75
 Fluoranthene
 Concen: 3.155 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

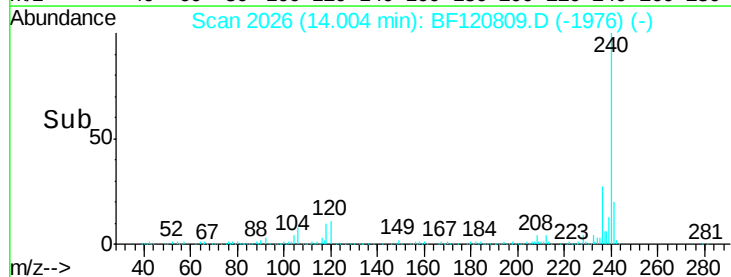
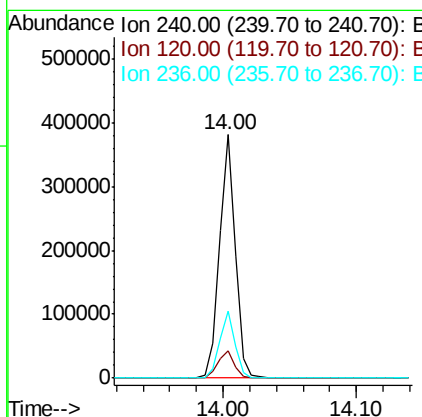
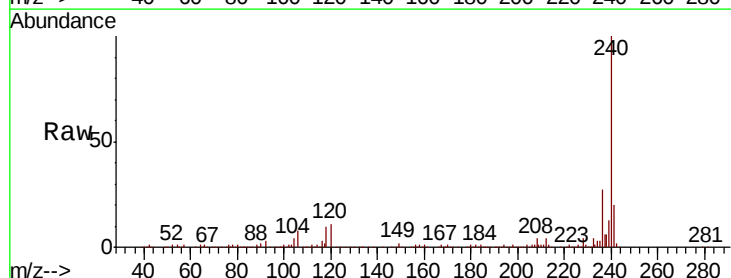
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

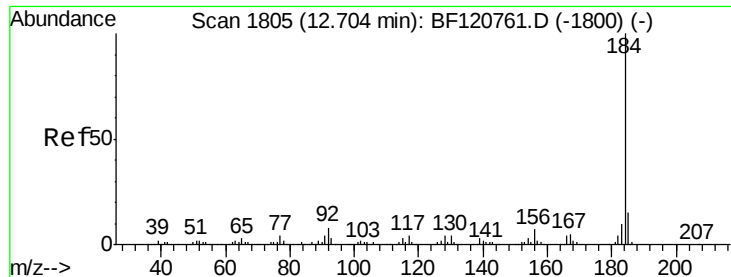
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.6
203	18.1	0.0	38.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.3	15.5
236	27.4	21.4	32.2





#77

Benzidine

Concen: 2.425 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

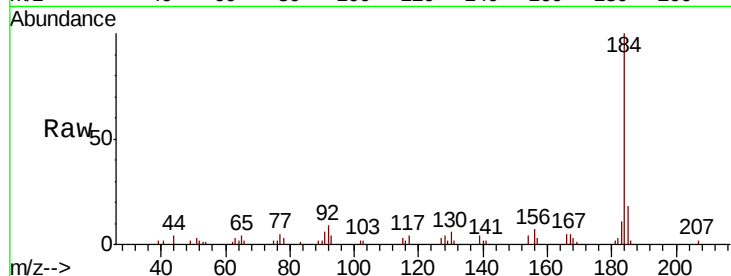
Tot Ion:184 Resp: 21952

Ion Ratio Lower Upper

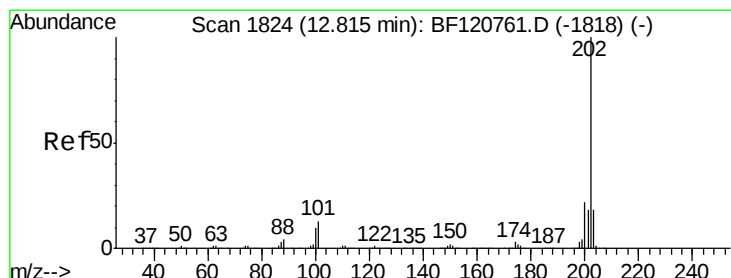
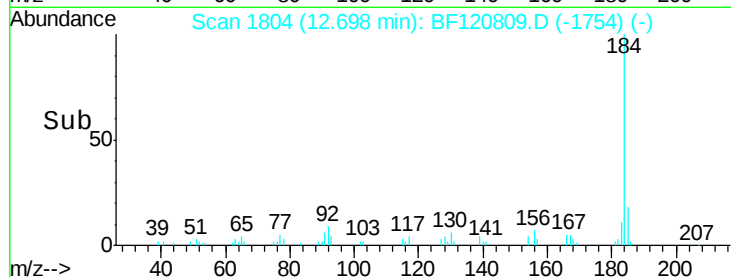
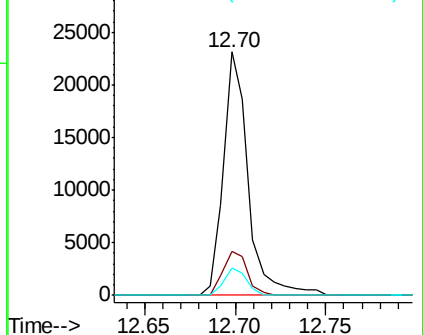
184 100

185 17.8 11.8 17.8#

183 11.1 8.3 12.5



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 3.391 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

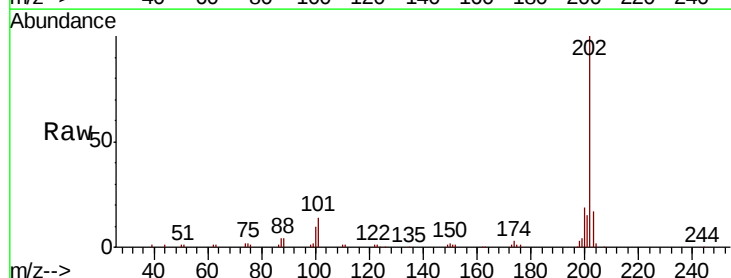
Tgt Ion:202 Resp: 86865

Ion Ratio Lower Upper

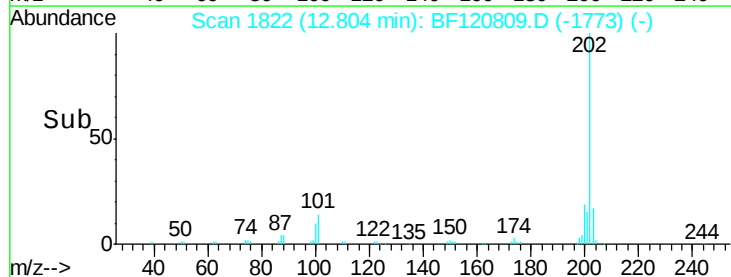
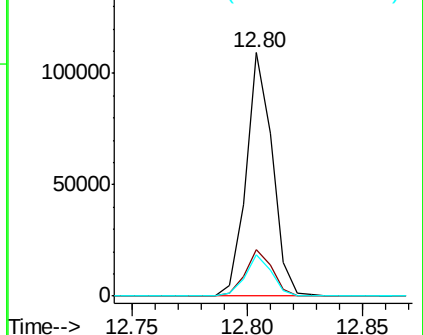
202 100

200 19.4 17.3 25.9

203 17.0 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 63.857 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

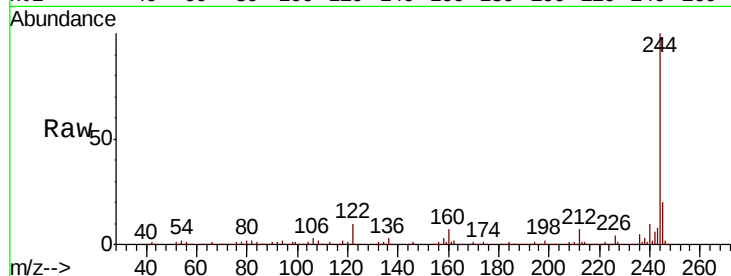
Tot Ion:244 Resp: 1045983

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

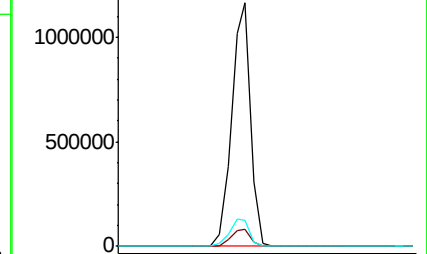
122 10.4 9.0 13.4



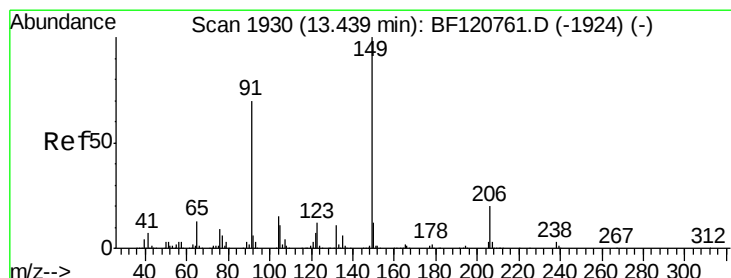
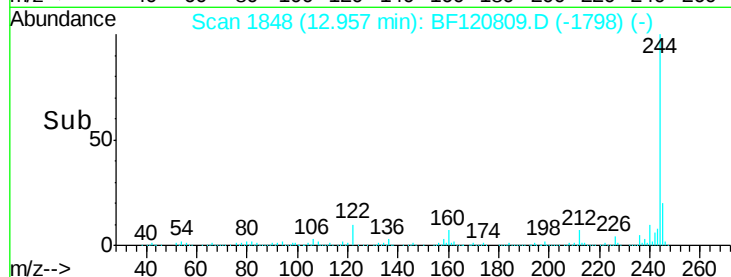
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Butylbenzylphthalate

Concen: 2.111 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF120809.D

Acq: 9 Jul 2020 10:36

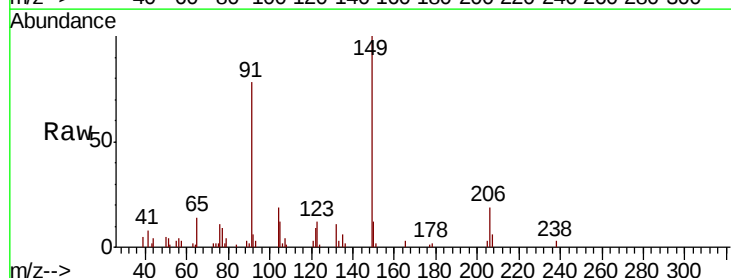
Tgt Ion:149 Resp: 23339

Ion Ratio Lower Upper

149 100

91 78.3 55.8 83.8

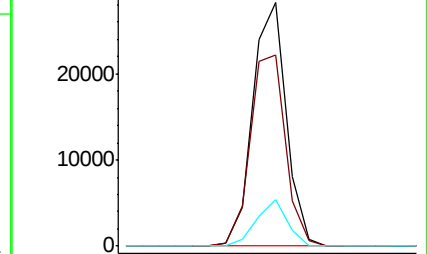
206 19.3 15.7 23.5



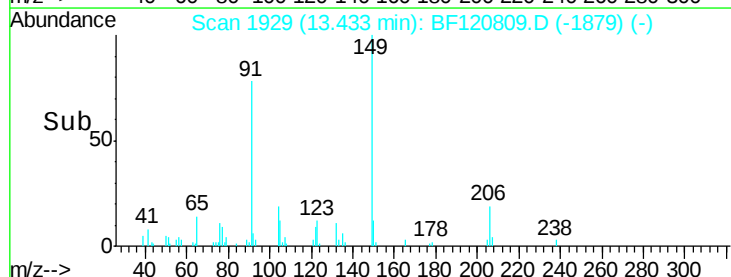
Abundance Ion 149.00 (148.70 to 149.70): E

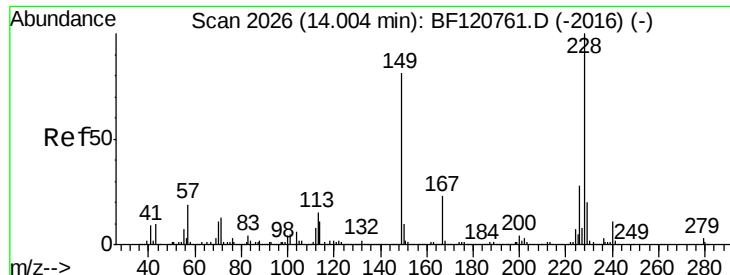
Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E



Time-->

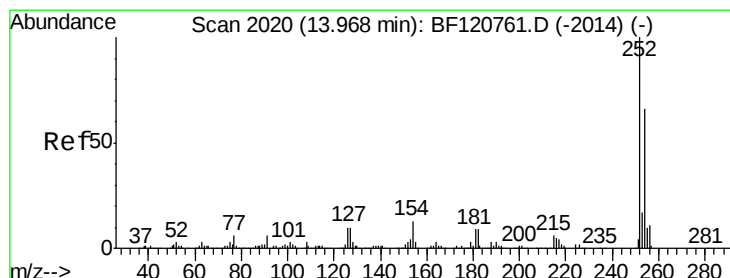
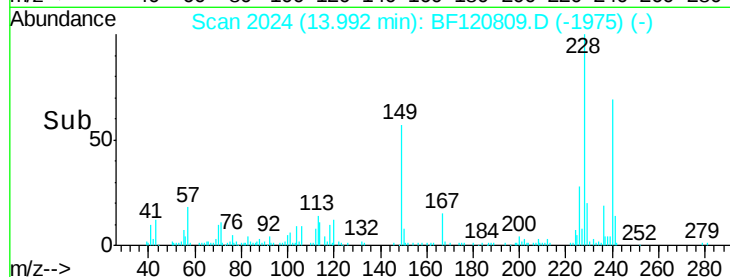
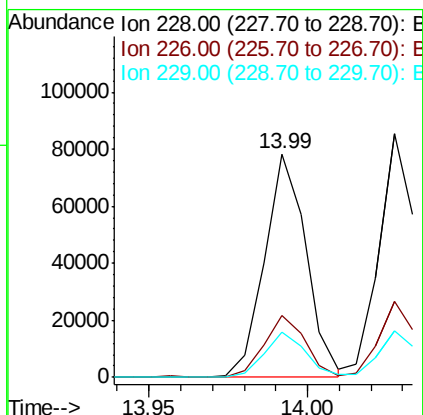
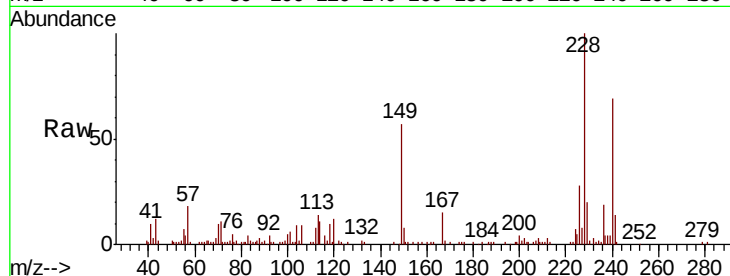




#81
Benzo(a)anthracene
Concen: 3.482 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

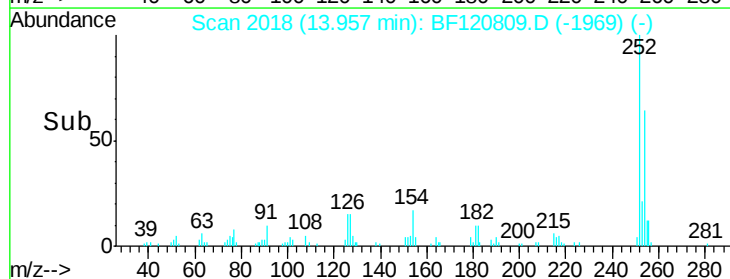
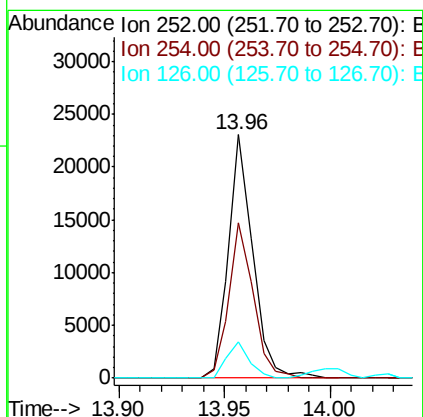
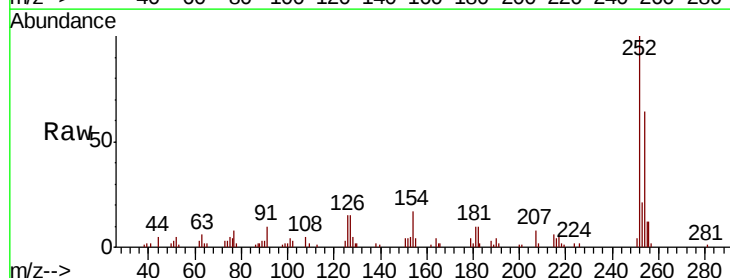
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:228 Resp: 71576
Ion Ratio Lower Upper
228 100
226 28.0 22.6 33.8
229 20.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 2.659 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:252 Resp: 18450
Ion Ratio Lower Upper
252 100
254 64.0 52.6 78.8
126 14.7 7.8 11.8#

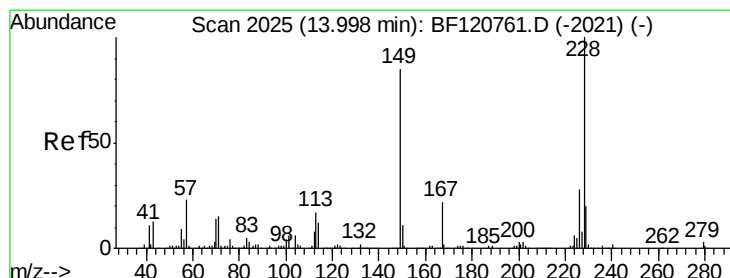
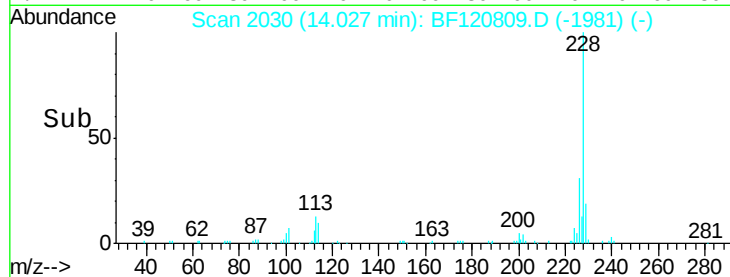
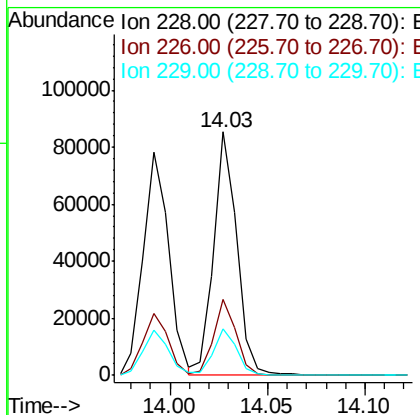
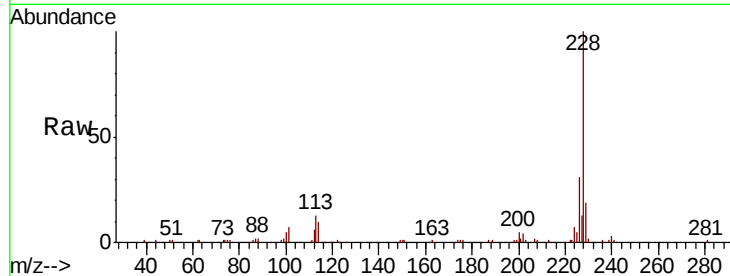




#83
 Chrysene
 Concen: 3.362 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

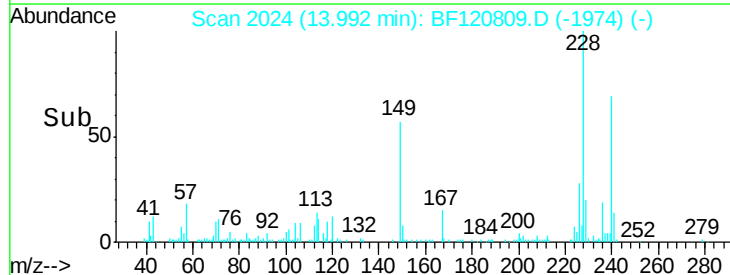
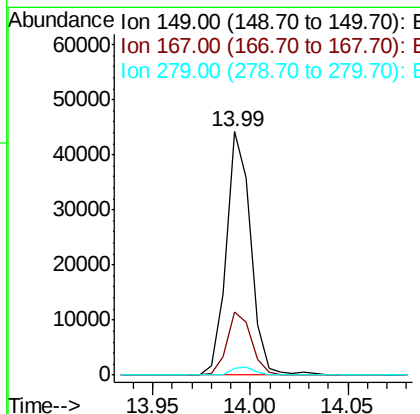
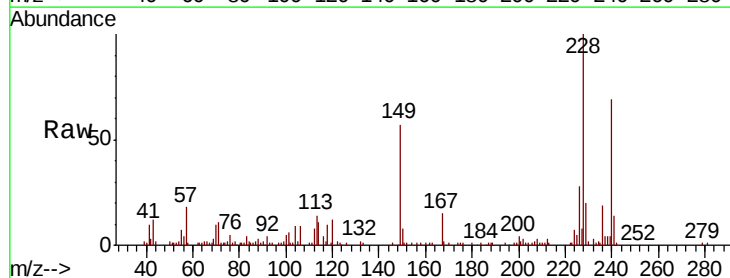
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Tot Ion:228 Resp: 70490
 Ion Ratio Lower Upper
 228 100
 226 31.2 25.7 38.5
 229 18.9 16.3 24.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.645 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion:149 Resp: 38360
 Ion Ratio Lower Upper
 149 100
 167 26.2 20.9 31.3
 279 2.5 2.6 4.0#

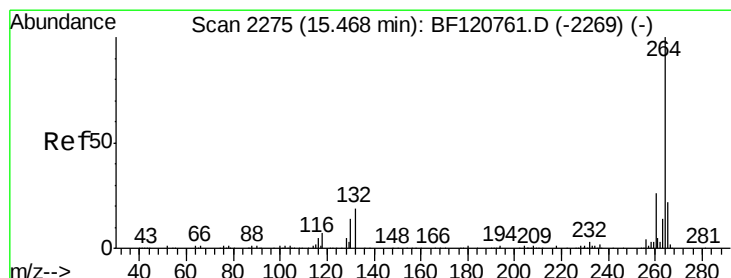
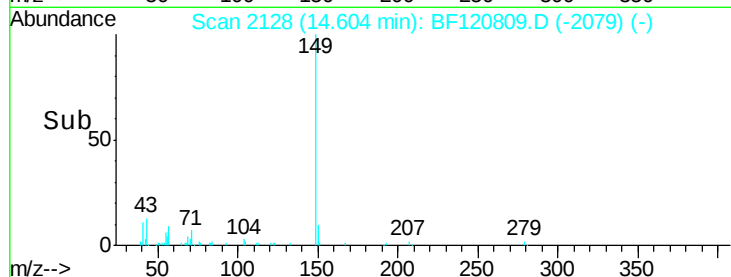
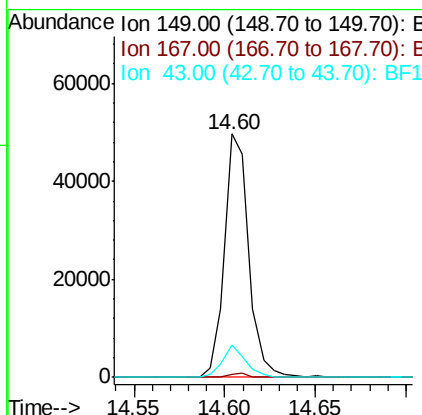
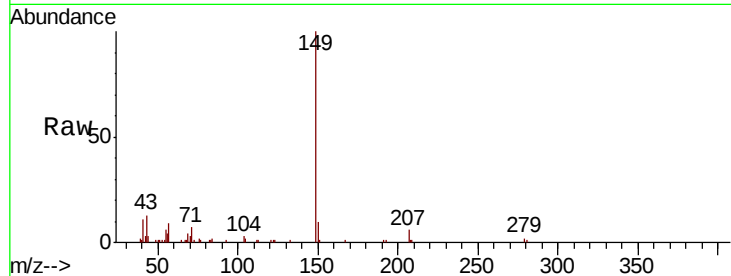




#85
Di-n-octyl phthalate
Concen: 1.804 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

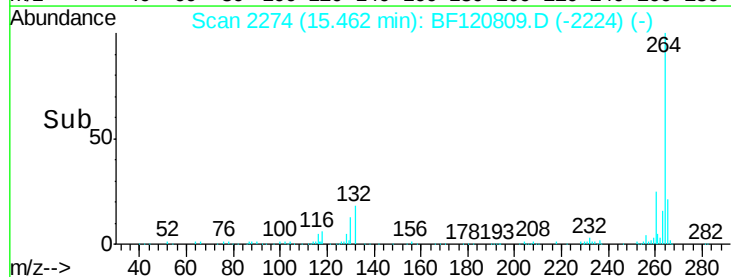
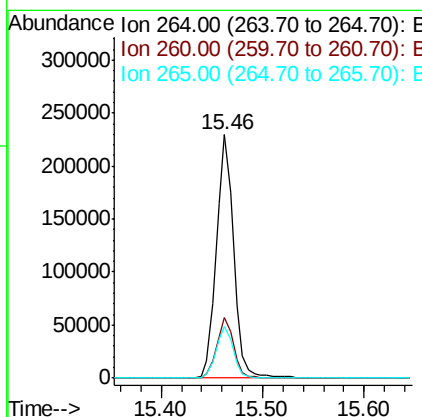
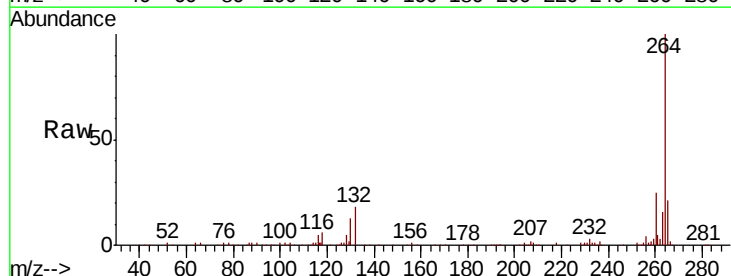
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.2	1.2	1.8#
43	12.4	8.7	13.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.6	30.8
265	21.4	17.6	26.4

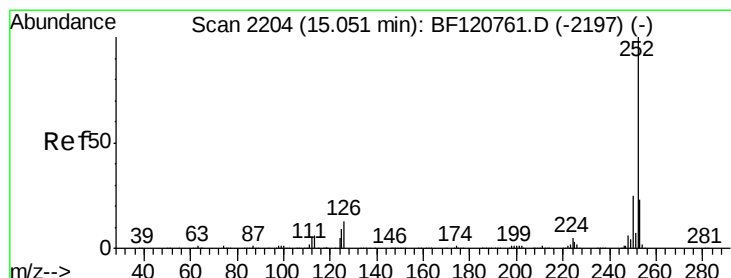
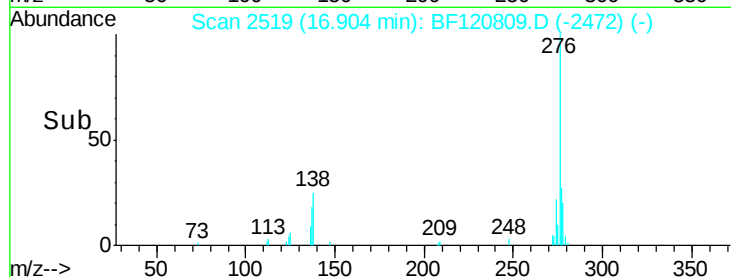
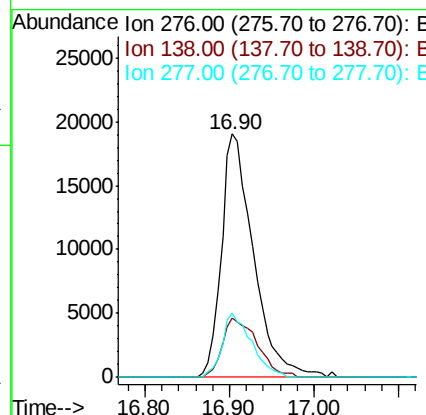
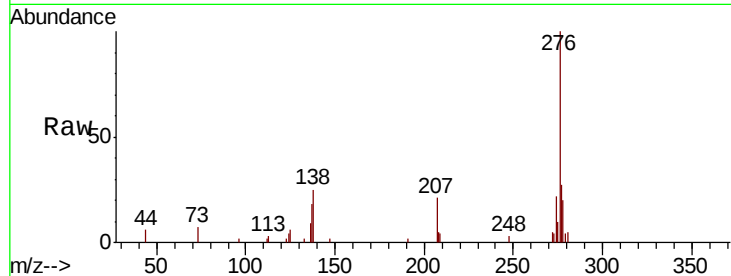




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.878 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

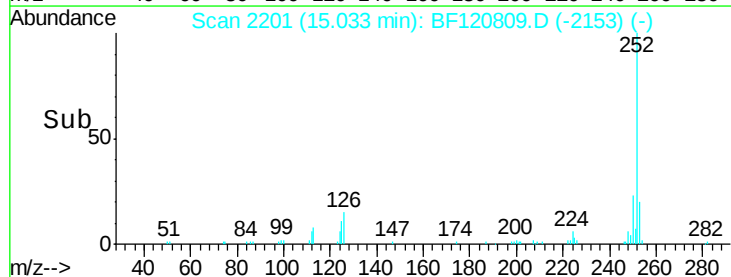
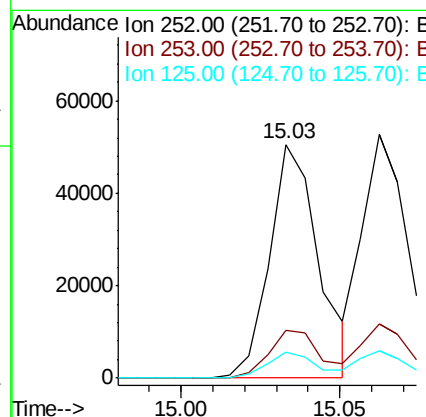
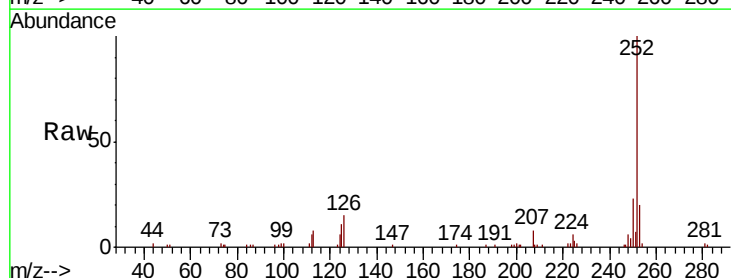
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

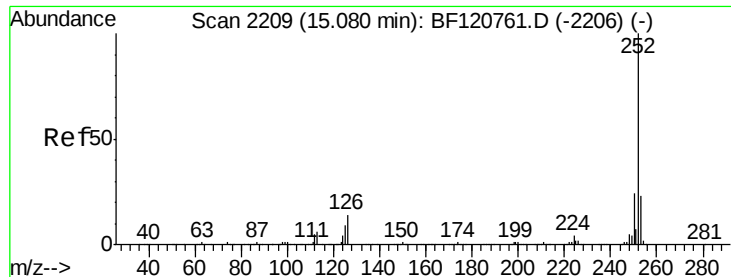
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	19.8	29.8
277	24.2	19.9	29.9



#88
 Benzo(b)fluoranthene
 Concen: 3.028 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.02 min
 Lab File: BF120809.D
 Acq: 9 Jul 2020 10:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.0	27.0
125	11.3	7.5	11.3#

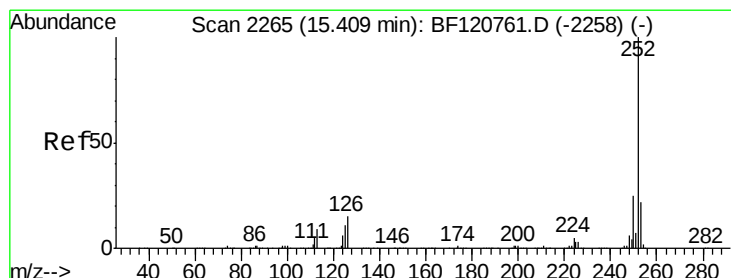
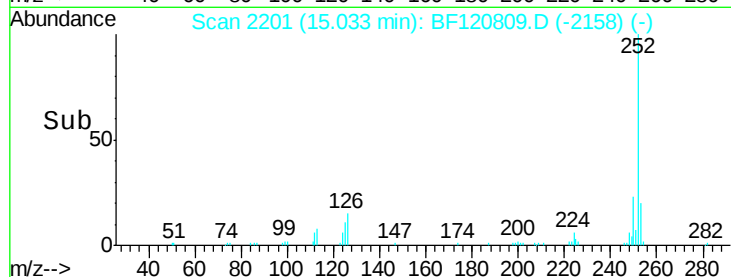
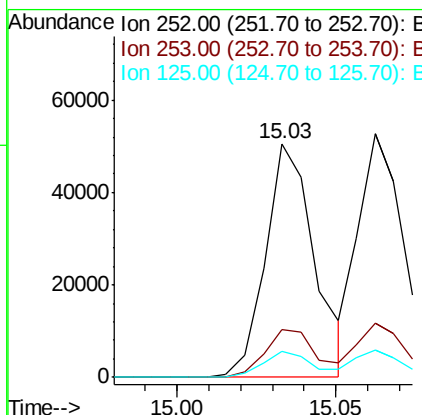
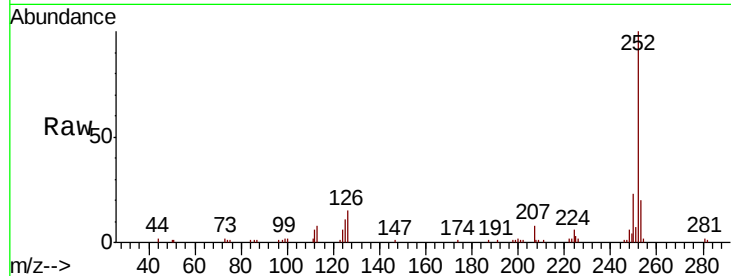




#89
Benzo(k)fluoranthene
Concen: 3.112 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.05 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

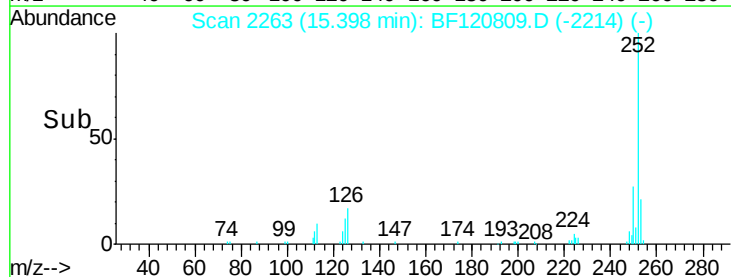
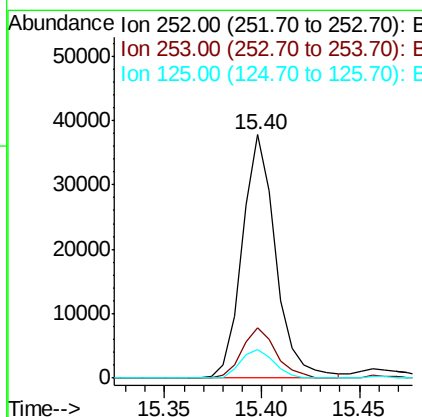
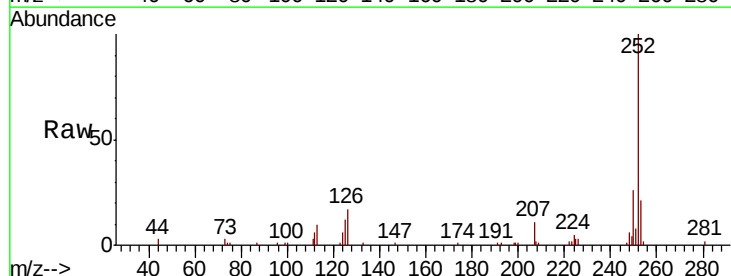
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

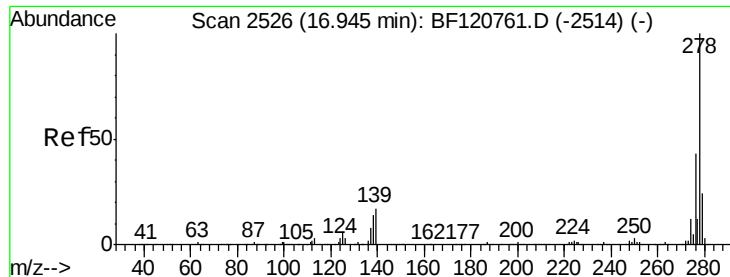
Tot Ion:252 Resp: 54255
Ion Ratio Lower Upper
252 100
253 20.3 17.9 26.9
125 11.3 7.6 11.4



#90
Benzo(a)pyrene
Concen: 2.811 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:252 Resp: 44920
Ion Ratio Lower Upper
252 100
253 20.6 17.4 26.0
125 11.9 9.2 13.8

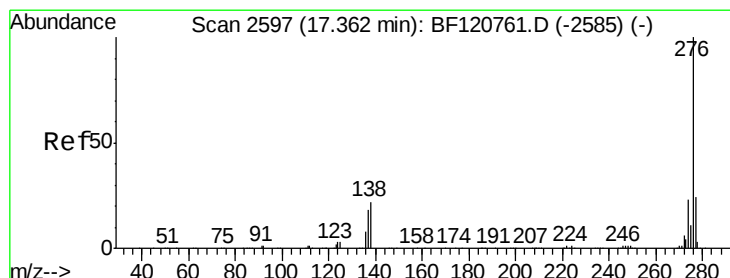
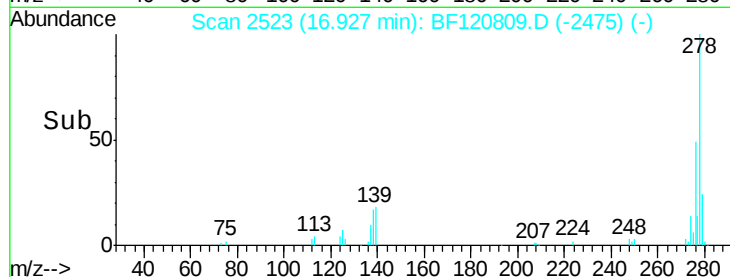
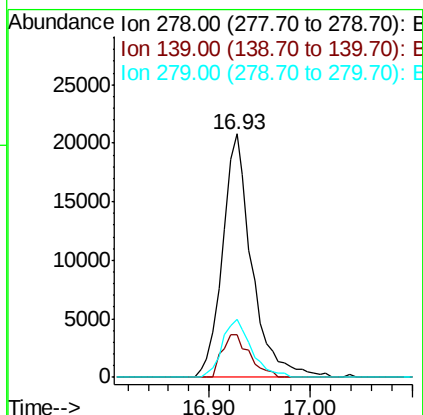
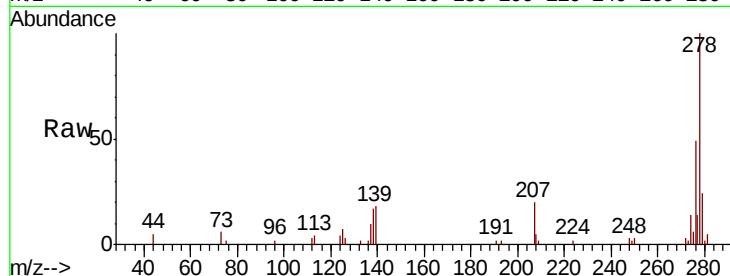




#91
Dibenzo(a,h)anthracene
Concen: 2.865 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

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

Tot Ion:278 Resp: 41743
Ion Ratio Lower Upper
278 100
139 17.7 13.3 19.9
279 23.7 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 3.140 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF120809.D
Acq: 9 Jul 2020 10:36

Tgt Ion:276 Resp: 41811
Ion Ratio Lower Upper
276 100
277 23.7 18.8 28.2
138 19.9 17.4 26.2

