

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120824.D
 Acq On : 10 Jul 2020 11:11
 Operator : JU/CG
 Sample : L3216-03
 Misc : MDL-MDL-SOIL-4PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jul 10 11:45:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 10 11:06:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	163768	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	622767	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	306382	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	539553	20.00	ng	0.00
76) Chrysene-d12	14.00	240	391018	20.00	ng	0.00
86) Perylene-d12	15.46	264	331436	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1378030	129.89	ng	0.00
7) Phenol-d6	6.48	99	1703645	125.75	ng	0.00
23) Nitrobenzene-d5	7.41	82	827107	76.95	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	428276	139.14	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1452915	71.75	ng	0.00
79) Terphenyl-d14	12.96	244	1196381	59.90	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.59	88	18659	3.850	ng	99
3) Pyridine	3.43	79	34567	2.604	ng	97
4) n-Nitrosodimethylamine	3.27	42	20305	3.058	ng	95
6) Aniline	6.51	93	64349	3.698	ng	99
8) 2-Chlorophenol	6.63	128	41229	3.650	ng	98
9) Benzaldehyde	6.40	77	34938	4.336	ng	100
10) Phenol	6.49	94	52177	3.744	ng	92
11) bis(2-Chloroethyl)ether	6.58	93	41793	3.685	ng	96
12) 1,3-Dichlorobenzene	6.79	146	45354	3.648	ng	97
13) 1,4-Dichlorobenzene	6.86	146	46379	3.725	ng	97
14) 1,2-Dichlorobenzene	7.02	146	43423	3.665	ng	97
15) Benzyl Alcohol	6.98	79	32272	3.170	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	60862	3.441	ng	100
17) 2-Methylphenol	7.09	107	32232	3.190	ng	98
18) Hexachloroethane	7.36	117	16260	3.474	ng	92
19) n-Nitroso-di-n-propylamine	7.25	70	28443	3.487	ng	98
20) 3+4-Methylphenols	7.24	107	40464	3.251	ng	98
22) Acetophenone	7.25	105	61633	3.982	ng	# 87
24) Nitrobenzene	7.42	77	48899	4.052	ng	95
25) Isophorone	7.66	82	76578	3.303	ng	94
26) 2-Nitrophenol	7.74	139	13064	2.961	ng	94
27) 2,4-Dimethylphenol	7.77	122	31224	3.374	ng	97
28) bis(2-Chloroethoxy)methane	7.87	93	48604	3.543	ng	96
29) 2,4-Dichlorophenol	7.97	162	28720	3.109	ng	95
30) 1,2,4-Trichlorobenzene	8.07	180	35444	3.416	ng	98
31) Naphthalene	8.15	128	123183	3.701	ng	97
32) Benzoic acid	7.82	122	7671	1.532	ng	96
33) 4-Chloroaniline	8.19	127	46106	3.265	ng	# 93
34) Hexachlorobutadiene	8.27	225	20587	3.299	ng	94
35) Caprolactam	8.52	113	7402	2.750	ng	89
36) 4-Chloro-3-methylphenol	8.66	107	30005	3.122	ng	93
37) 2-Methylnaphthalene	8.84	142	77517	3.583	ng	97
38) 1-Methylnaphthalene	8.94	142	73141	3.609	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	34652	3.742	ng	97

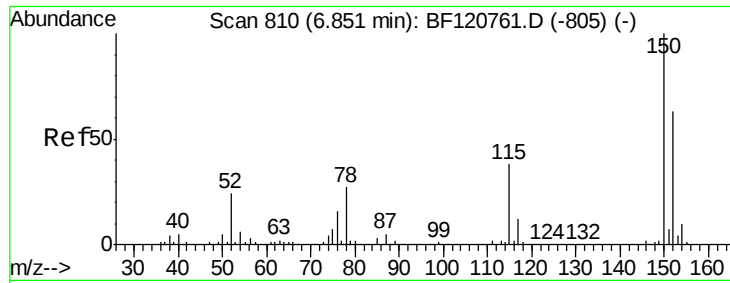
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	14051	2.568	ng	99
43) 2,4,6-Trichlorophenol	9.12	196	17873	2.833	ng	94
44) 2,4,5-Trichlorophenol	9.15	196	20044	2.862	ng	# 90
46) 1,1'-Biphenyl	9.30	154	99111	4.010	ng	98
47) 2-Chloronaphthalene	9.33	162	69427	3.507	ng	99
48) 2-Nitroaniline	9.42	65	16922	3.194	ng	90
49) Acenaphthylene	9.74	152	107784	3.472	ng	98
50) Dimethylphthalate	9.60	163	76055	3.403	ng	98
51) 2,6-Dinitrotoluene	9.66	165	13134	3.253	ng	89
52) Acenaphthene	9.92	154	65680	3.411	ng	97
53) 3-Nitroaniline	9.82	138	15401	3.087	ng	97
54) 2,4-Dinitrophenol	9.93	184	1655	1.241	ng	# 38
55) Dibenzofuran	10.09	168	99441	3.582	ng	99
56) 4-Nitrophenol	9.97	139	8814	2.406	ng	# 82
57) 2,4-Dinitrotoluene	10.06	165	14879	3.069	ng	98
58) Fluorene	10.43	166	74048	3.584	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	16026	3.076	ng	91
60) Diethylphthalate	10.30	149	74847	3.215	ng	98
61) 4-Chlorophenyl-phenylether	10.42	204	36510	3.515	ng	95
62) 4-Nitroaniline	10.43	138	14102	2.970	ng	99
63) Azobenzene	10.59	77	80480	3.379	ng	97
65) 4,6-Dinitro-2-methylphenol	10.46	198	3123	1.802	ng	99
66) n-Nitrosodiphenylamine	10.54	169	61699	3.412	ng	99
67) 4-Bromophenyl-phenylether	10.91	248	19208	3.069	ng	# 86
68) Hexachlorobenzene	10.97	284	20437	3.112	ng	96
69) Atrazine	11.06	200	15809	3.393	ng	94
70) Pentachlorophenol	11.17	266	7633	2.054	ng	91
71) Phenanthrene	11.39	178	105801	3.614	ng	98
72) Anthracene	11.44	178	101645	3.436	ng	97
73) Carbazole	11.59	167	92824	3.265	ng	99
74) Di-n-butylphthalate	11.93	149	94135	2.675	ng	99
75) Fluoranthene	12.57	202	99564	3.193	ng	98
77) Benzidine	12.70	184	30374	2.752	ng	# 90
78) Pyrene	12.80	202	104432	3.344	ng	96
80) Butylbenzylphthalate	13.43	149	28544	2.117	ng	97
81) Benzo(a)anthracene	13.99	228	85413	3.408	ng	99
82) 3,3'-Dichlorobenzidine	13.96	252	22411	2.650	ng	98
83) Chrysene	14.03	228	83881	3.281	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	45755	2.588	ng	99
85) Di-n-octyl phthalate	14.60	149	55365	1.770	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.90	276	61947	2.914	ng	96
88) Benzo(b)fluoranthene	15.03	252	66070	3.032	ng	96
89) Benzo(k)fluoranthene	15.06	252	65189	3.075	ng	97
90) Benzo(a)pyrene	15.40	252	54682	2.813	ng	99
91) Dibenzo(a,h)anthracene	16.92	278	50846	2.870	ng	96
92) Benzo(g,h,i)perylene	17.33	276	53302	3.292	ng	97

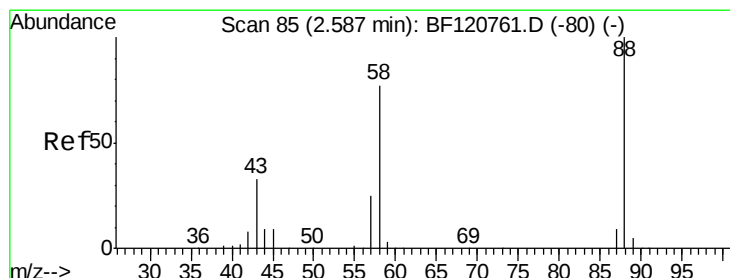
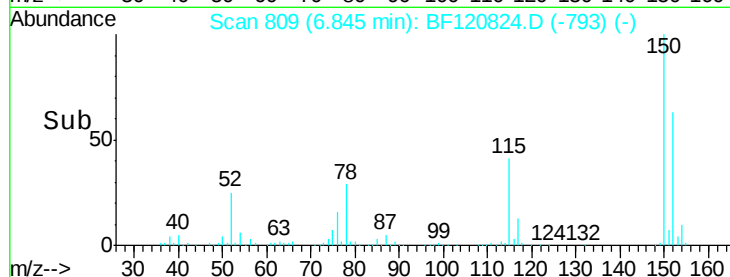
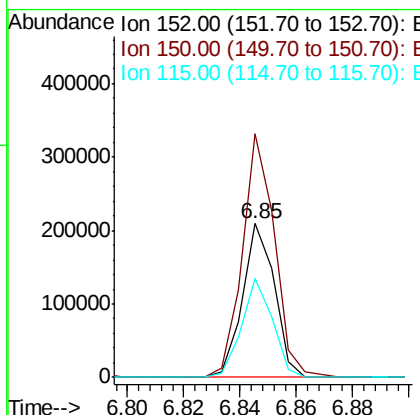
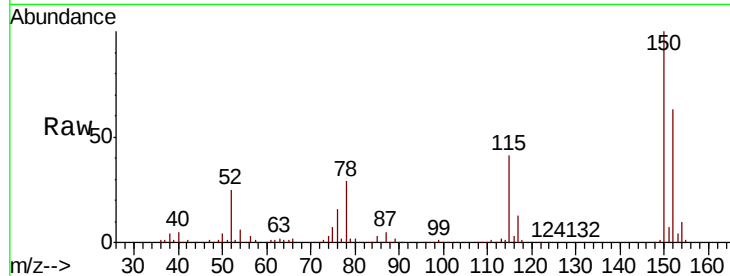
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

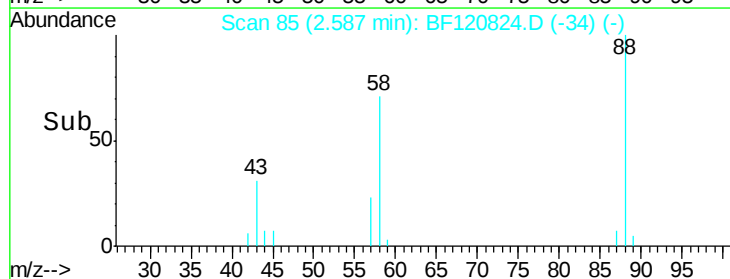
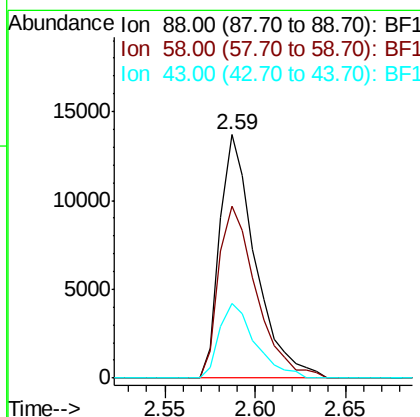
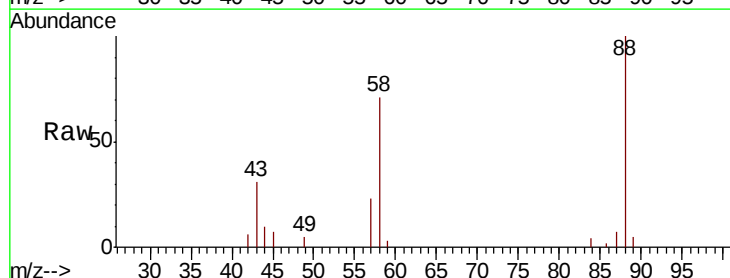
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

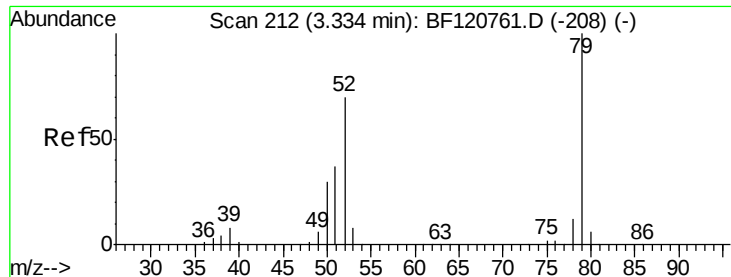
Tot Ion:152 Resp: 163768
 Ion Ratio Lower Upper
 152 100
 150 158.6 126.1 189.1
 115 64.4 48.5 72.7



#2
 1,4-Dioxane
 Concen: 3.850 ng
 RT: 2.59 min Scan# 85
 Delta R.T. 0.00 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion: 88 Resp: 18659
 Ion Ratio Lower Upper
 88 100
 58 75.4 60.4 90.6
 43 30.9 26.3 39.5





#3

Pvridine

Concen: 2.604 ng

RT: 3.43 min Scan# 228

Delta R.T. 0.09 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

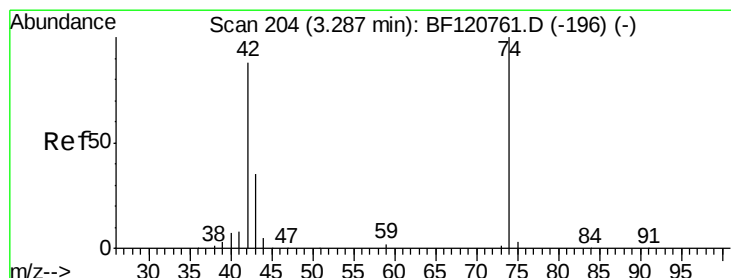
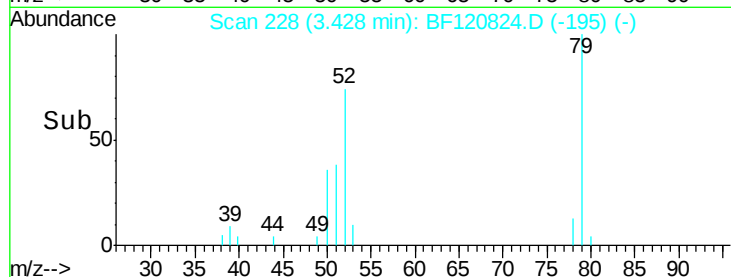
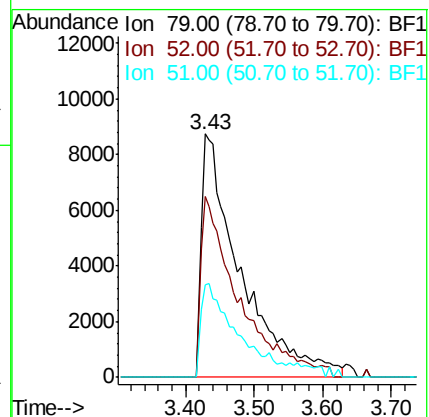
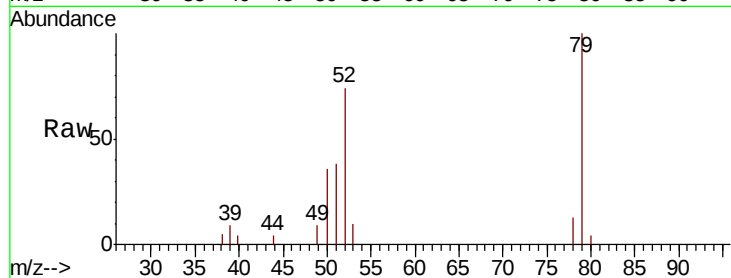
Tot Ion: 79 Resp: 34567

Ion Ratio Lower Upper

79 100

52 74.3 56.3 84.5

51 37.9 30.1 45.1



#4

n-Nitrosodimethylamine

Concen: 3.058 ng

RT: 3.27 min Scan# 201

Delta R.T. -0.02 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

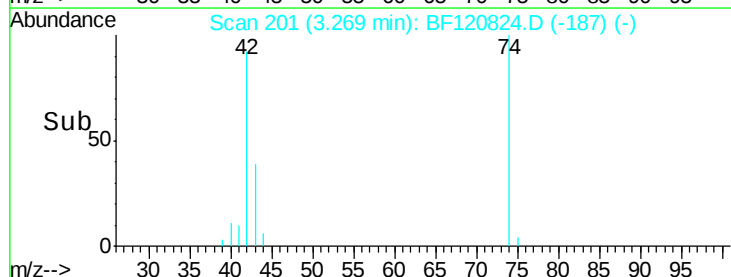
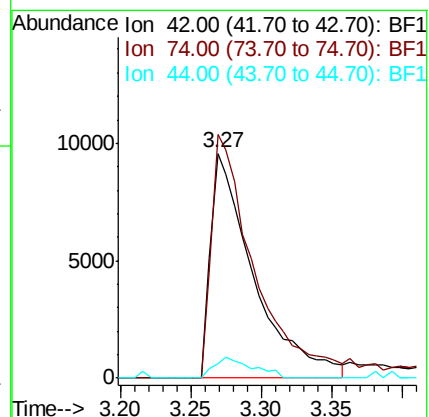
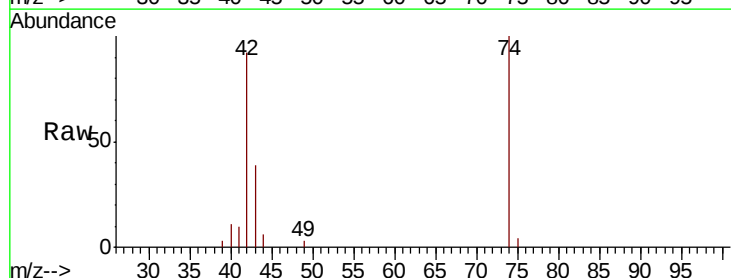
Tgt Ion: 42 Resp: 20305

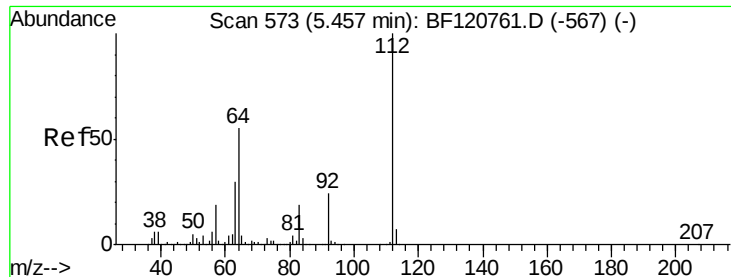
Ion Ratio Lower Upper

42 100

74 108.2 90.8 136.2

44 6.2 5.8 8.8





#5

2-Fluorophenol

Concen: 129.891 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

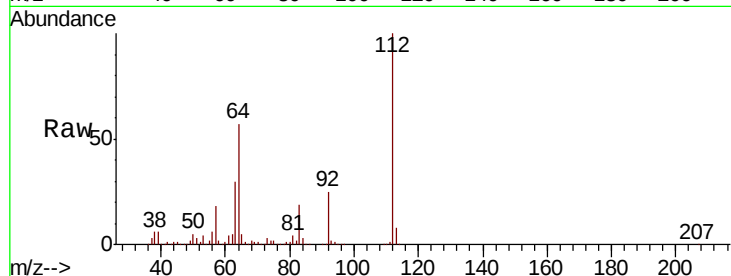
Tot Ion:112 Resp: 1378030

Ion Ratio Lower Upper

112 100

64 56.8 43.8 65.6

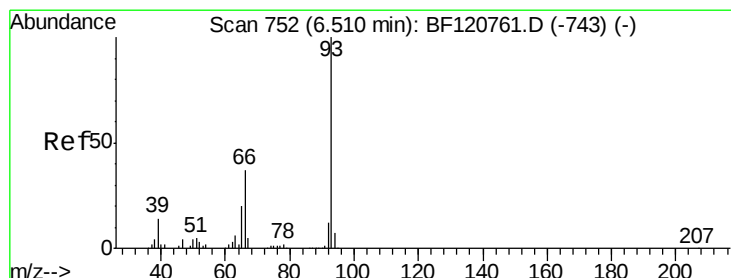
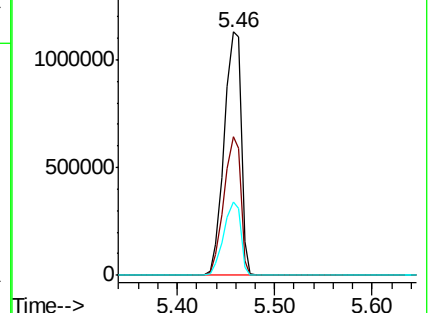
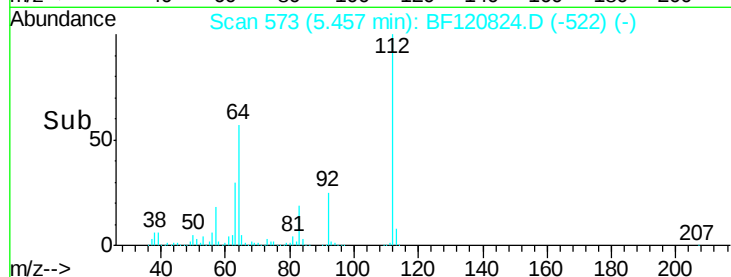
63 30.3 23.6 35.4



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: 3.698 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

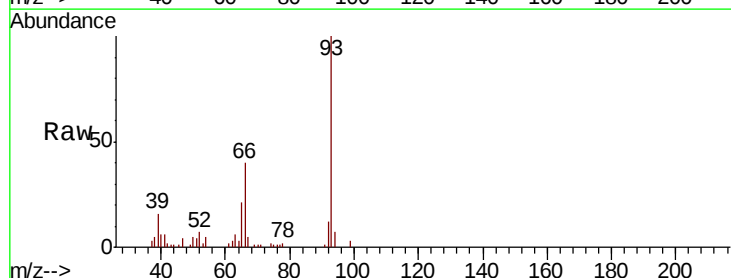
Tgt Ion: 93 Resp: 64349

Ion Ratio Lower Upper

93 100

66 40.1 31.3 46.9

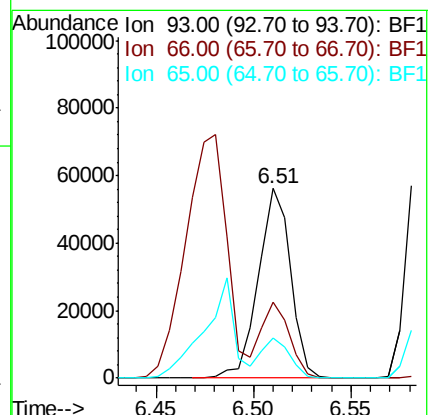
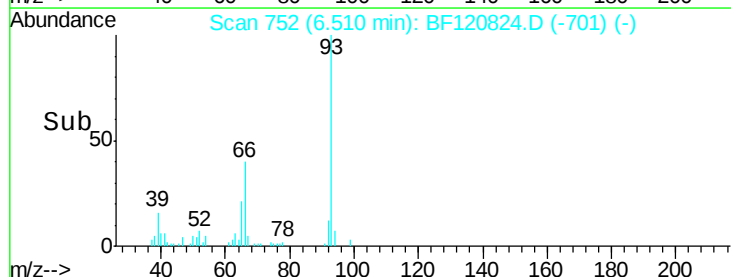
65 20.9 16.5 24.7

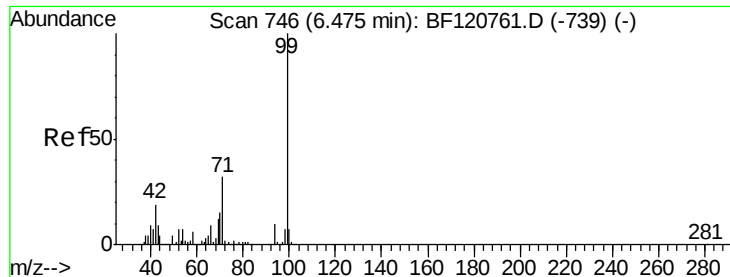


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 125.746 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

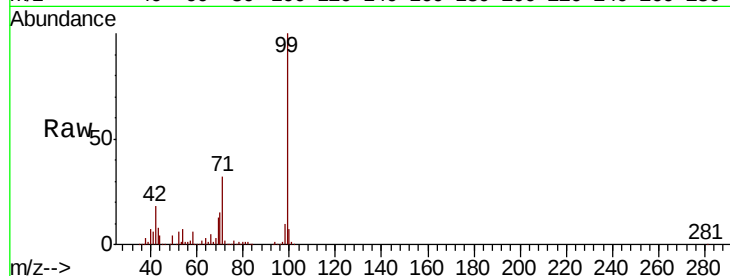
Tot Ion: 99 Resp: 1703645

Ion Ratio Lower Upper

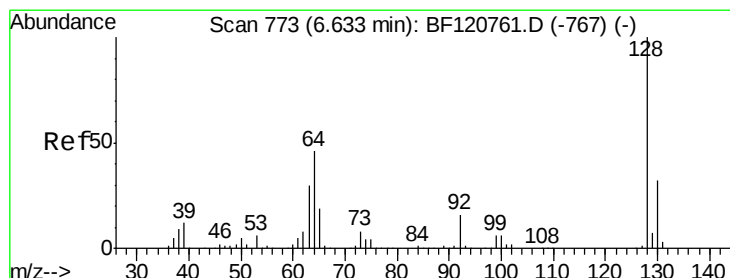
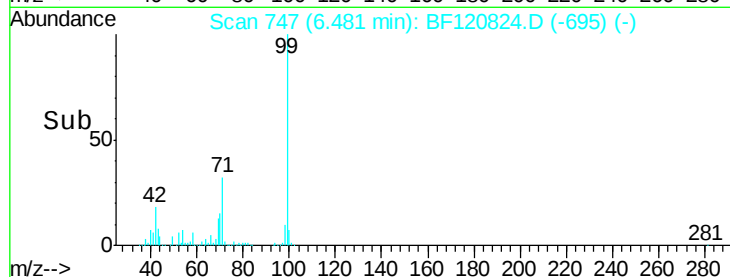
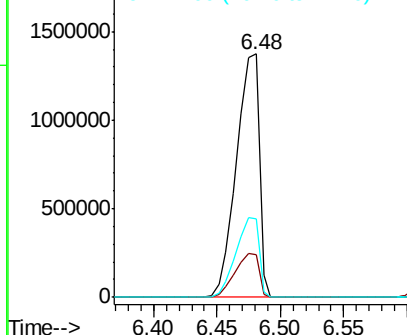
99 100

42 17.6 15.4 23.0

71 32.2 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 3.650 ng

RT: 6.63 min Scan# 773

Delta R.T. 0.00 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

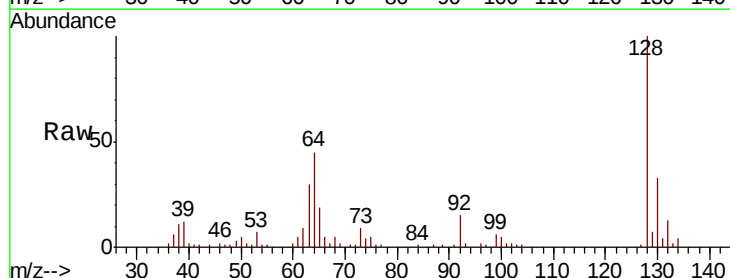
Tgt Ion:128 Resp: 41229

Ion Ratio Lower Upper

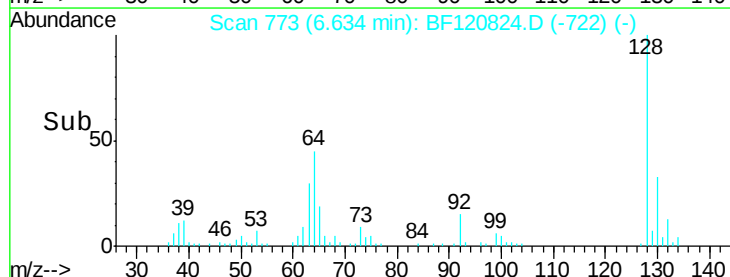
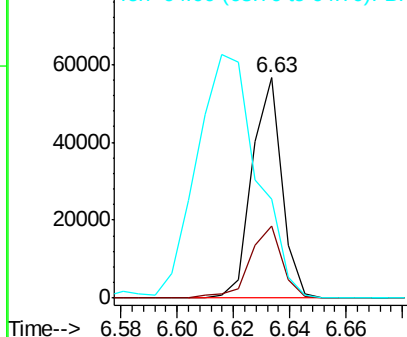
128 100

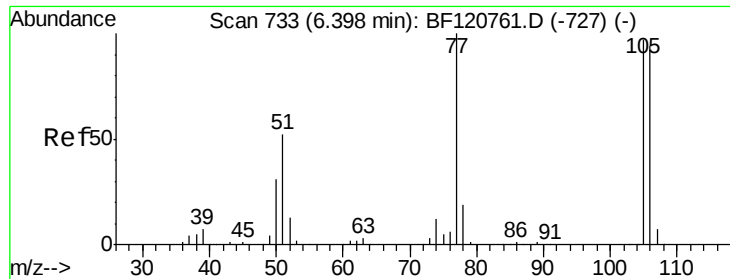
130 33.0 12.1 52.1

64 45.1 26.3 66.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1

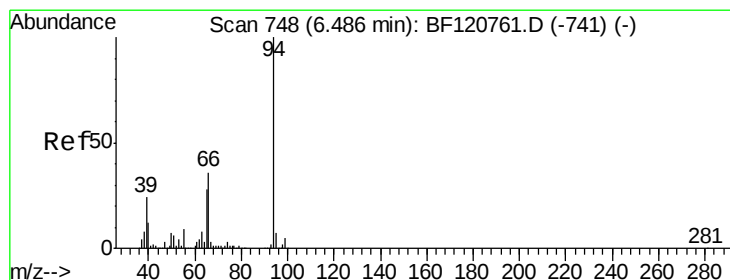
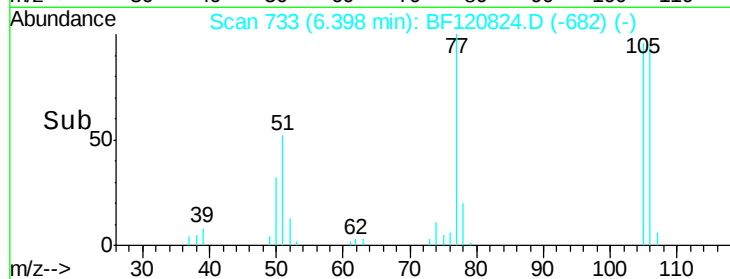
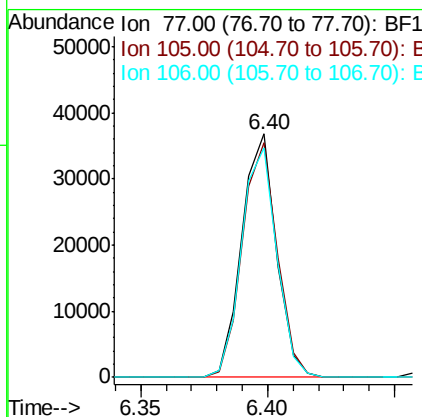
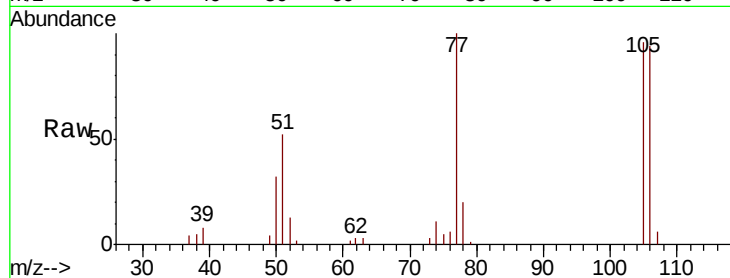




#9
Benzaldehyde
Concen: 4.336 ng
RT: 6.40 min Scan# 733
Delta R.T. 0.00 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

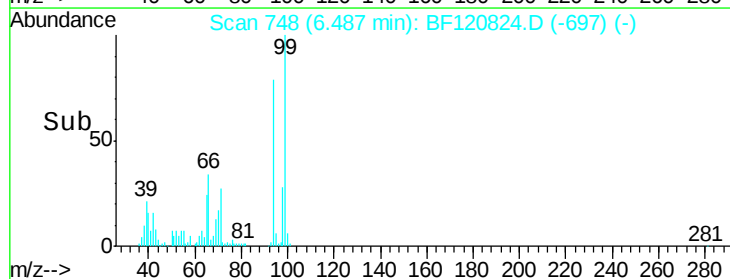
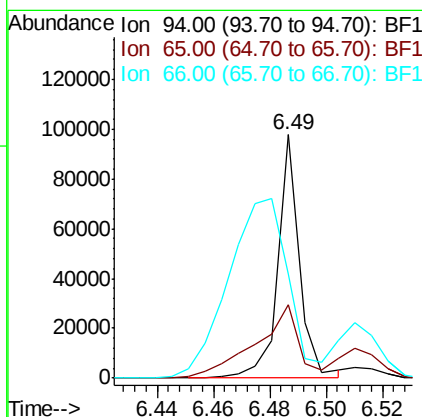
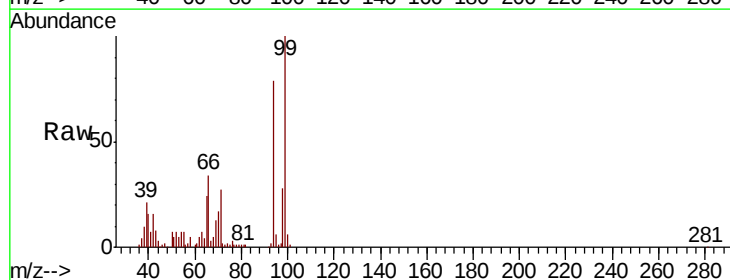
Instrument :
BNA_F
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MDL-SOIL-03-QT3-2020

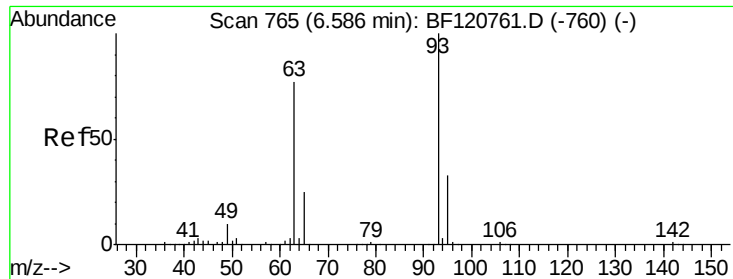
Tot Ion: 77 Resp: 34938
Ion Ratio Lower Upper
77 100
105 96.4 76.8 116.8
106 94.4 73.8 113.8



#10
Phenol
Concen: 3.744 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion: 94 Resp: 52177
Ion Ratio Lower Upper
94 100
65 30.2 8.4 48.4
66 42.9 16.5 56.5



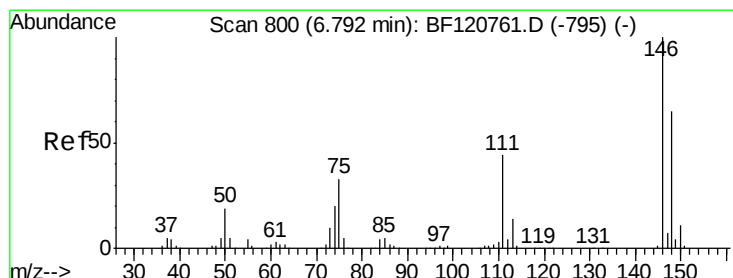
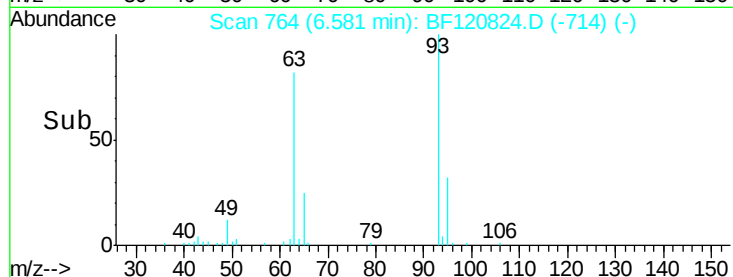
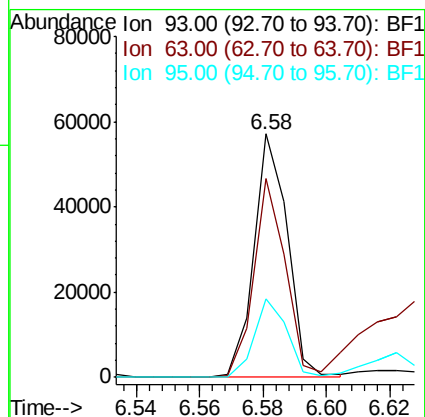
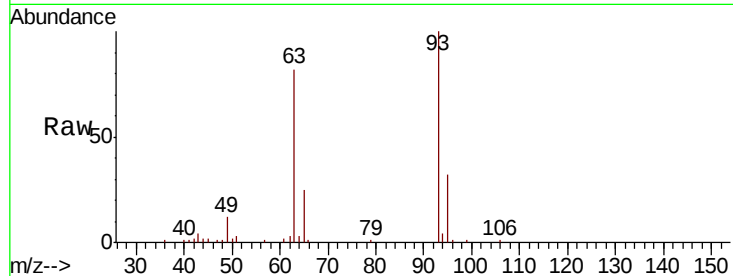


#11

bis(2-Chloroethyl)ether
Concen: 3.685 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

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

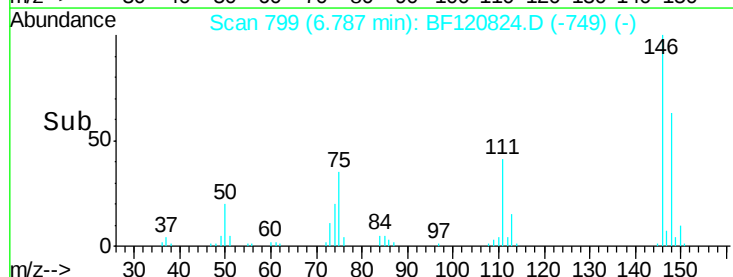
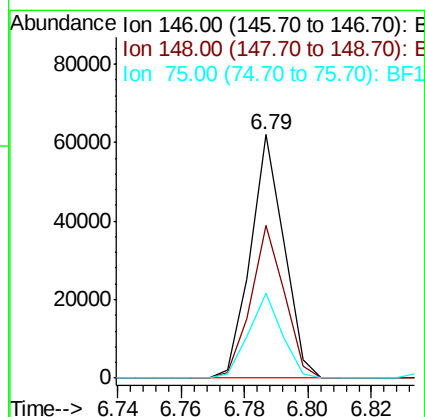
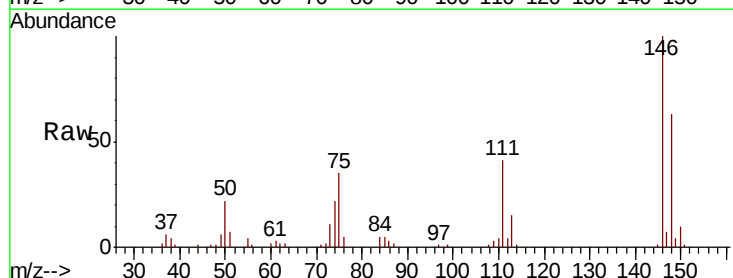
Tot Ion: 93 Resp: 41793
Ion Ratio Lower Upper
93 100
63 81.7 56.9 96.9
95 32.1 13.3 53.3

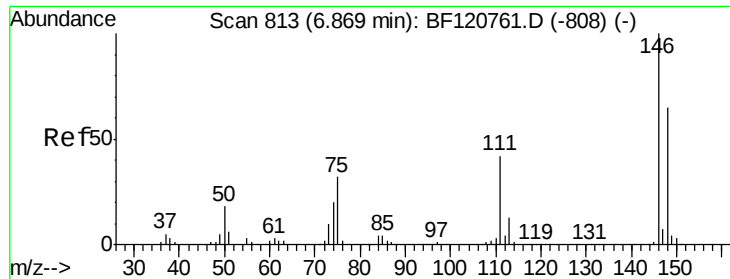


#12

1,3-Dichlorobenzene
Concen: 3.648 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion: 146 Resp: 45354
Ion Ratio Lower Upper
146 100
148 62.7 52.1 78.1
75 34.7 26.0 39.0

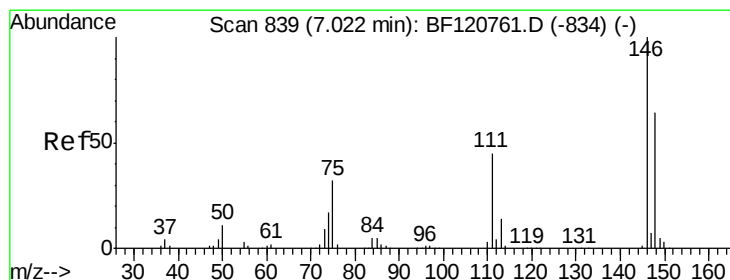
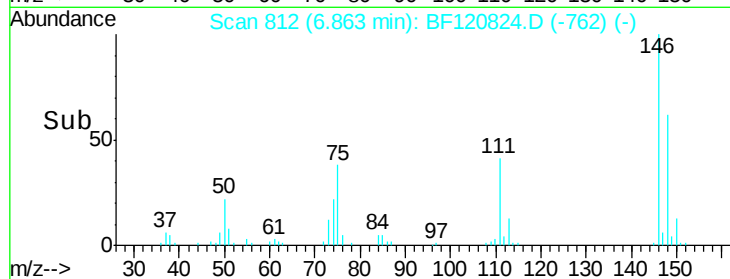
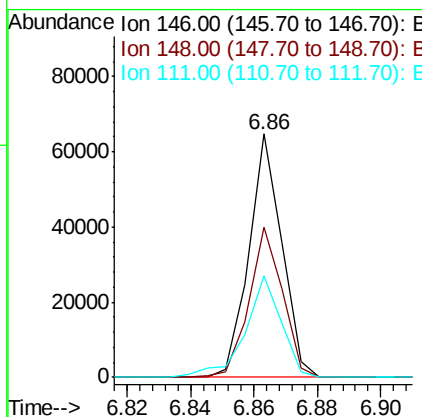
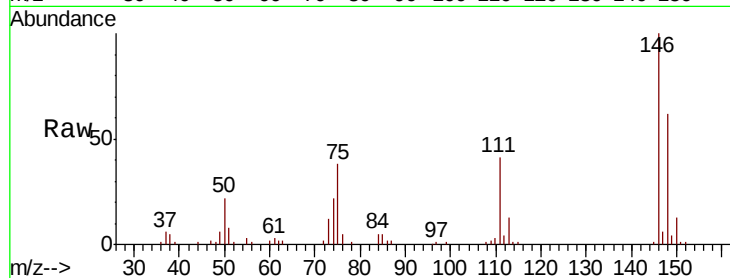




#13
 1,4-Dichlorobenzene
 Concen: 3.725 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

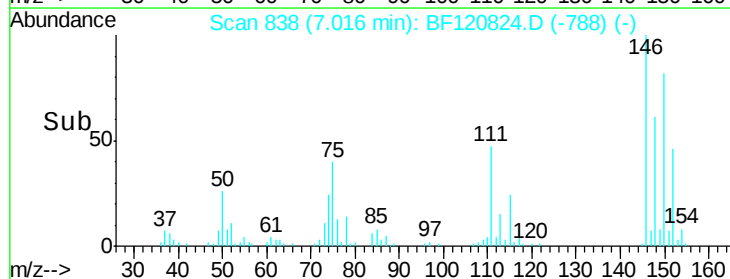
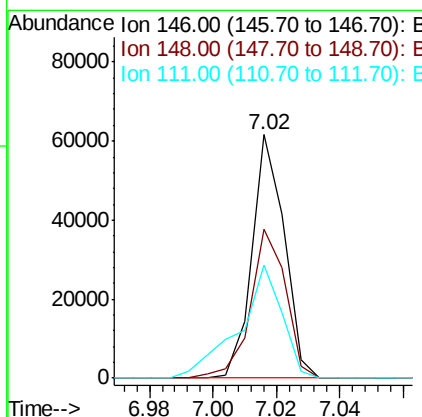
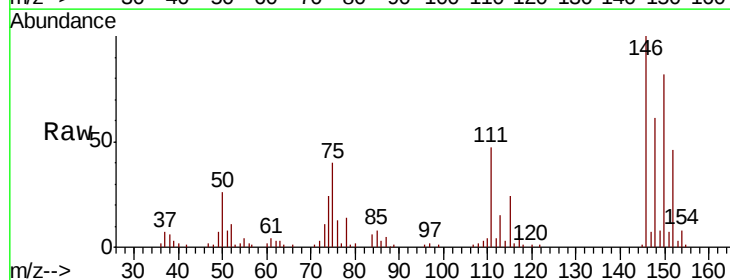
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

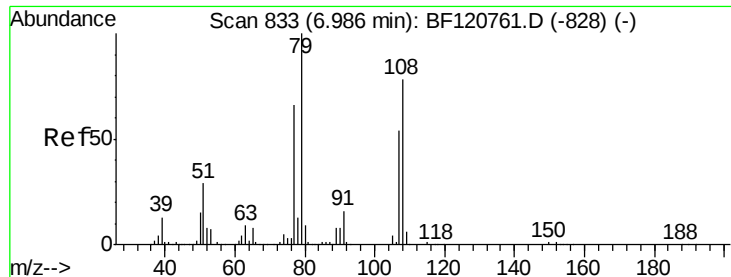
Tot Ion:146 Resp: 46379
 Ion Ratio Lower Upper
 146 100
 148 61.8 51.8 77.6
 111 41.5 33.7 50.5



#14
 1,2-Dichlorobenzene
 Concen: 3.665 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion:146 Resp: 43423
 Ion Ratio Lower Upper
 146 100
 148 61.4 51.0 76.4
 111 46.6 35.7 53.5





#15

Benzyl Alcohol

Concen: 3.170 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

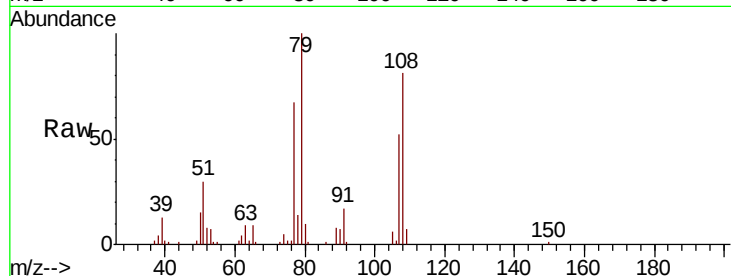
Tot Ion: 79 Resp: 32272

Ion Ratio Lower Upper

79 100

108 80.7 62.4 93.6

77 67.0 52.7 79.1

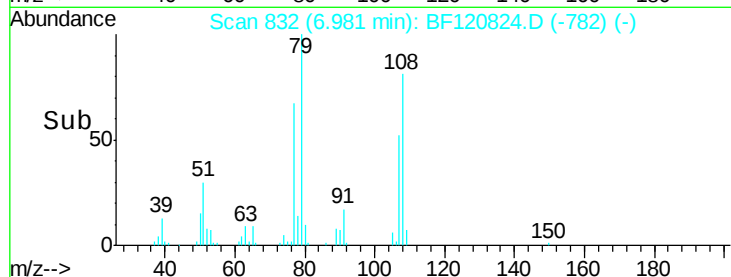


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Time--> 6.94 6.96 6.98 7.00

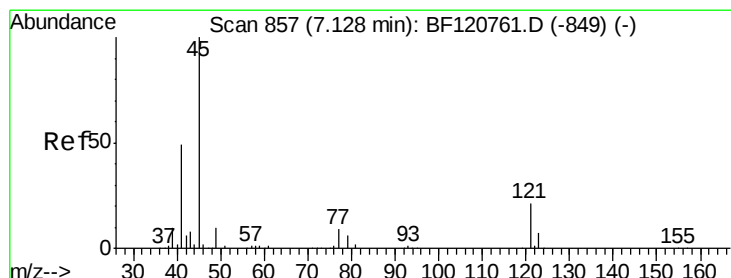


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Time--> 6.94 6.96 6.98 7.00



#16

2,2'-oxybis(1-chloropropane)

Concen: 3.441 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

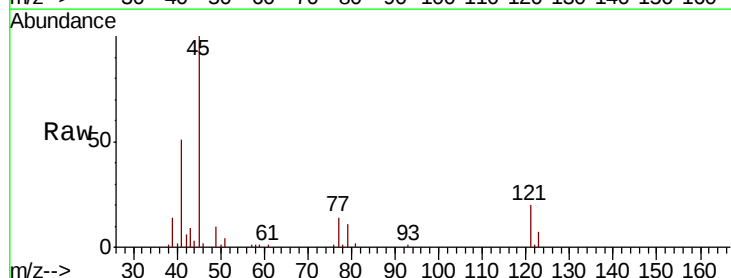
Tgt Ion: 45 Resp: 60862

Ion Ratio Lower Upper

45 100

77 13.8 0.0 33.7

79 10.5 0.0 30.5

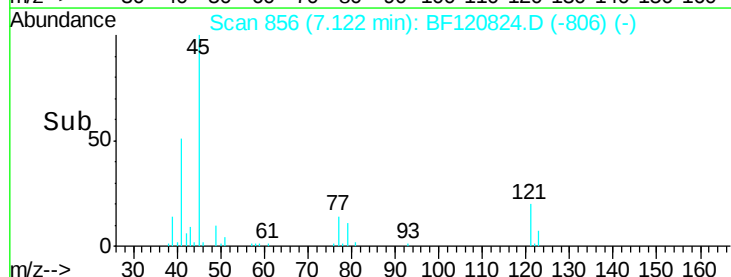


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

Time--> 7.10 7.12 7.14 7.16

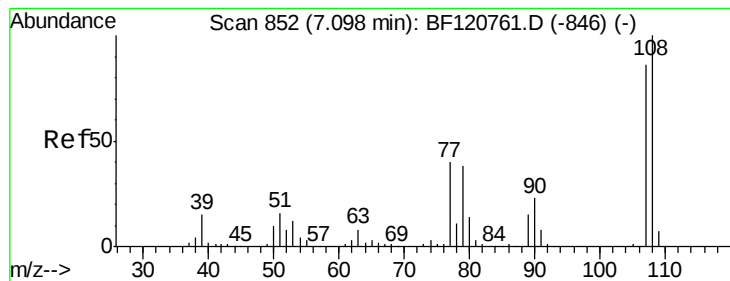


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

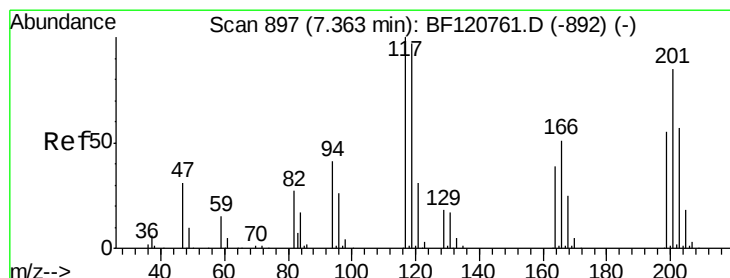
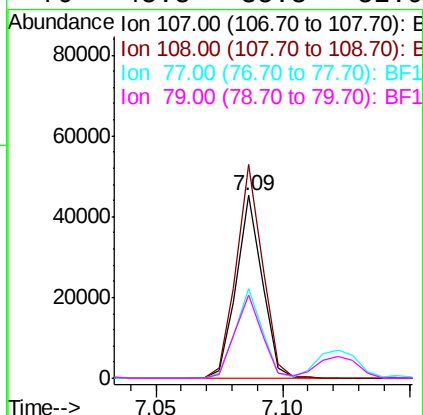
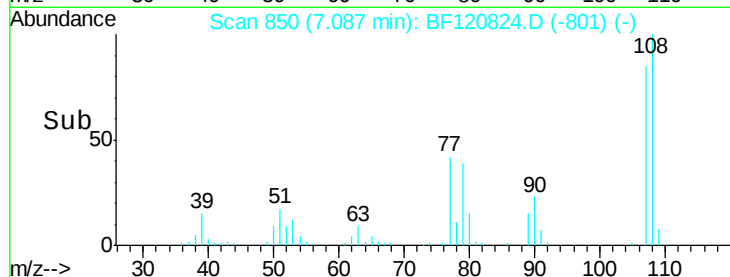
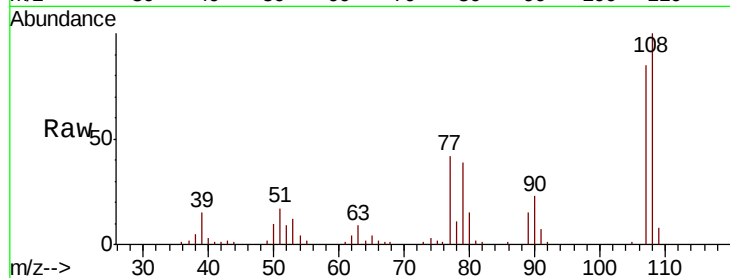
Time--> 7.10 7.12 7.14 7.16



#17
2-Methylphenol
Concen: 3.190 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

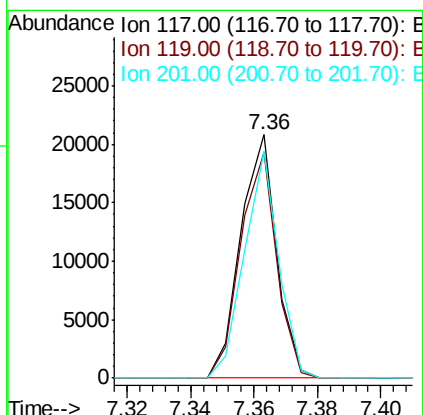
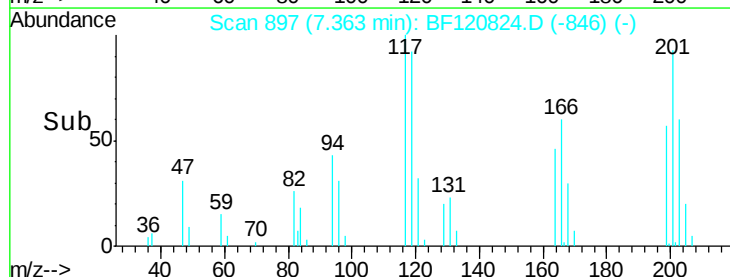
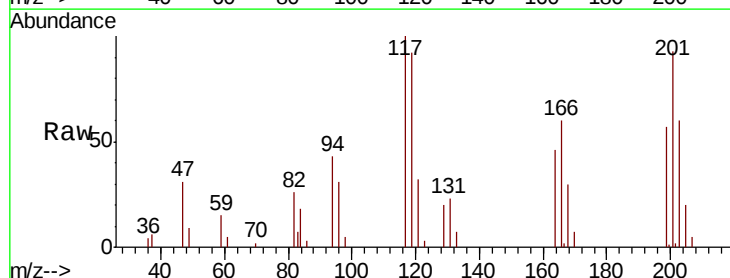
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

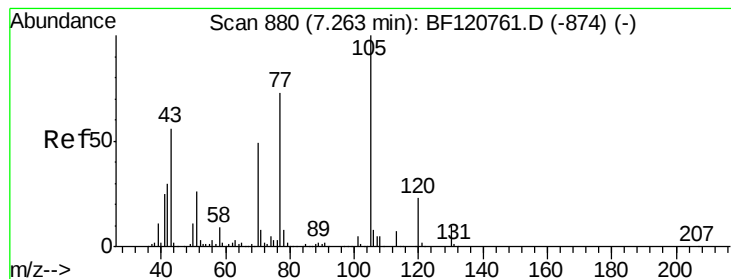
Tot Ion:	107	Resp:	32232
Ion	Ratio	Lower	Upper
107	100		
108	117.1	93.1	139.7
77	49.0	37.3	55.9
79	45.8	35.3	52.9



#18
Hexachloroethane
Concen: 3.474 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:	117	Resp:	16260
Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.9	116.9
201	95.8	68.3	102.5





#19

n-Nitroso-di-n-propylamine

Concen: 3.487 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 70 Resp: 28443

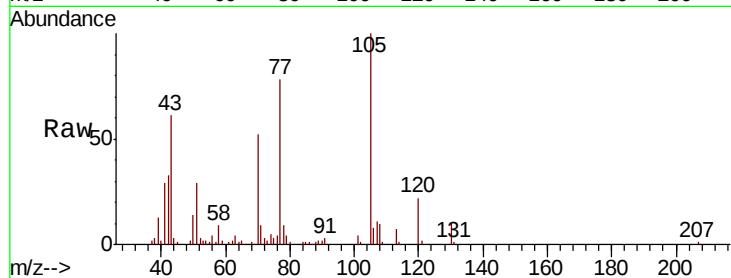
Ion Ratio Lower Upper

70 100

42 64.1 50.3 75.5

101 8.4 7.5 11.3

130 19.5 16.1 24.1

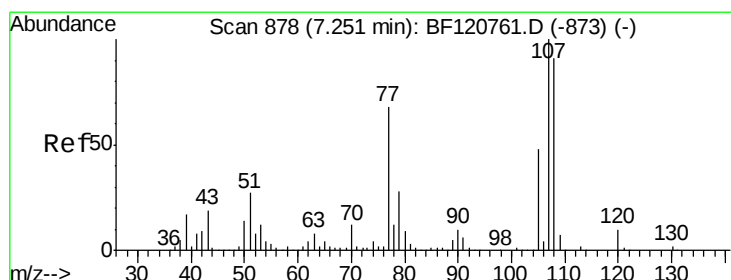
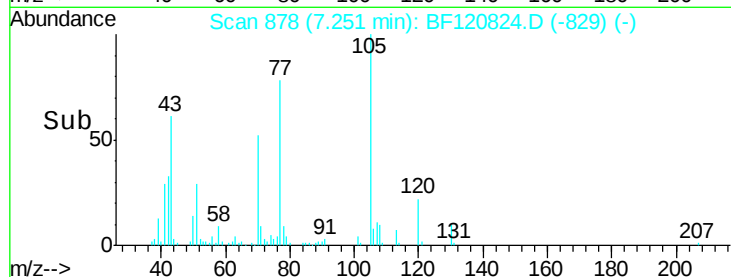
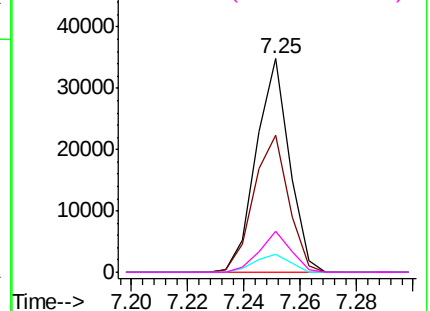


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 3.251 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion: 107 Resp: 40464

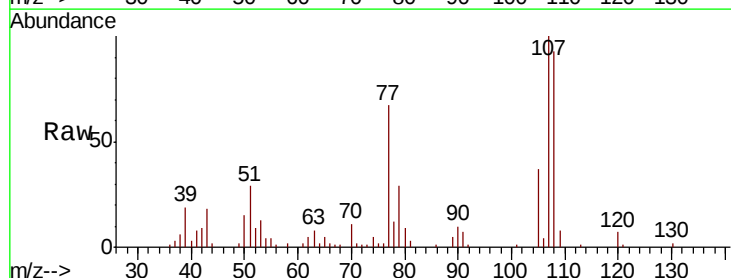
Ion Ratio Lower Upper

107 100

108 92.9 70.9 110.9

77 67.1 48.3 88.3

79 29.2 7.8 47.8

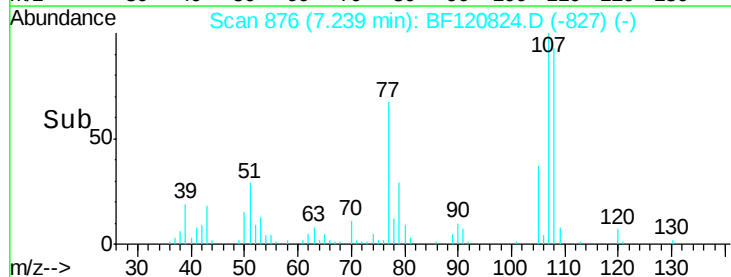
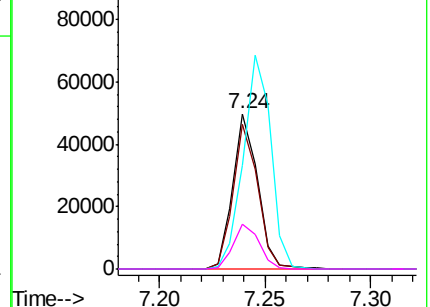


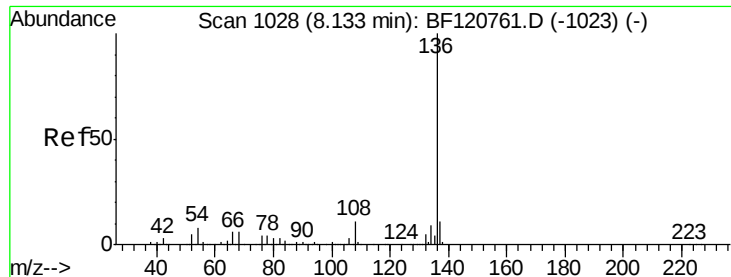
Abundance Ion 107.00 (106.70 to 107.70): BF1

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: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:136 Resp: 622767

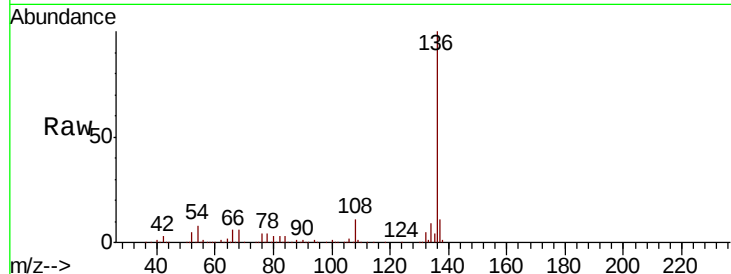
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 8.0 6.2 9.4

68 5.9 4.7 7.1

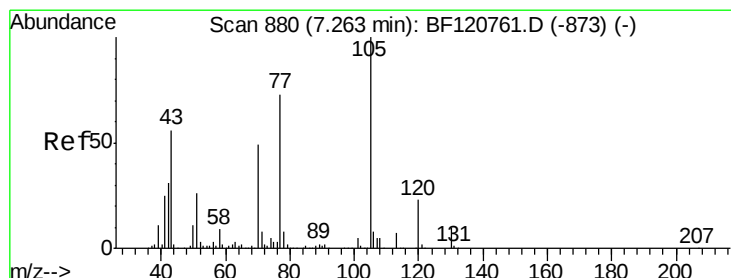
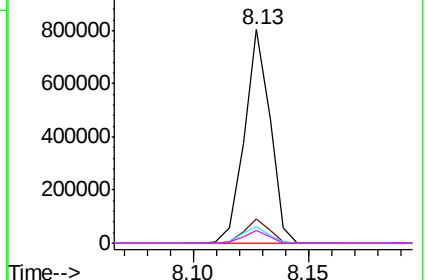
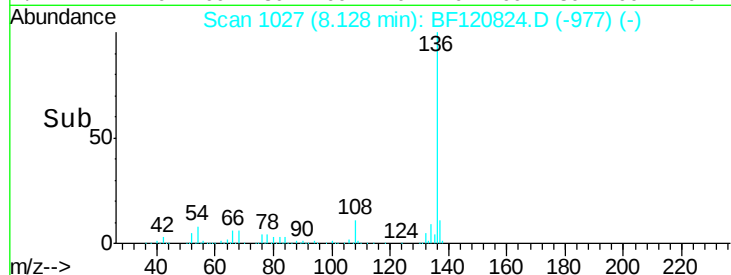


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 3.982 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:105 Resp: 61633

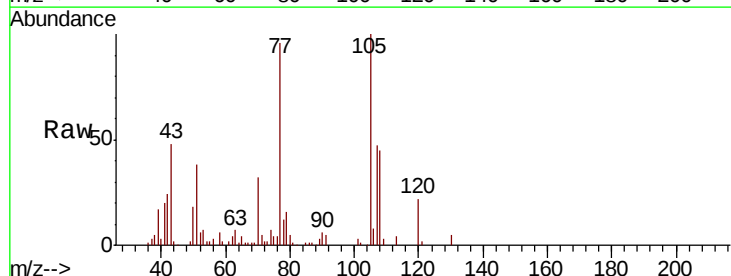
Ion Ratio Lower Upper

105 100

71 5.5 6.5 9.7#

51 38.4 21.0 31.4#

120 21.6 18.6 28.0

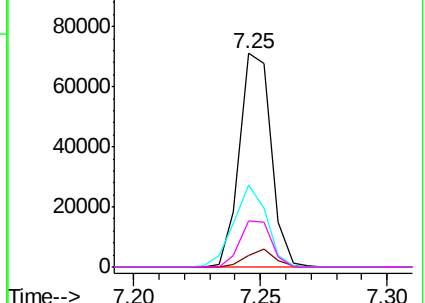
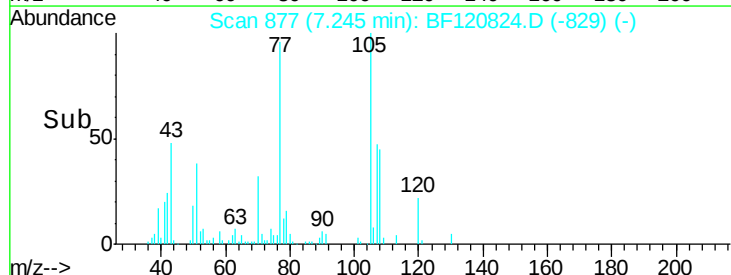


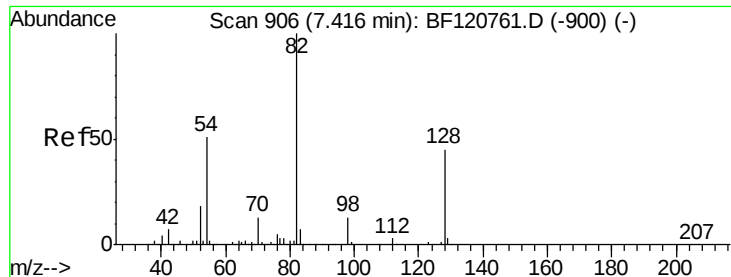
Abundance Ion 105.00 (104.70 to 105.70): E

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

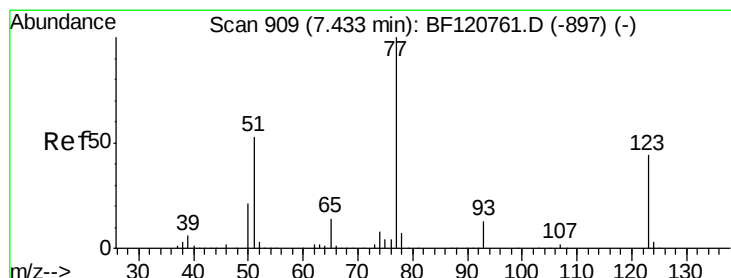
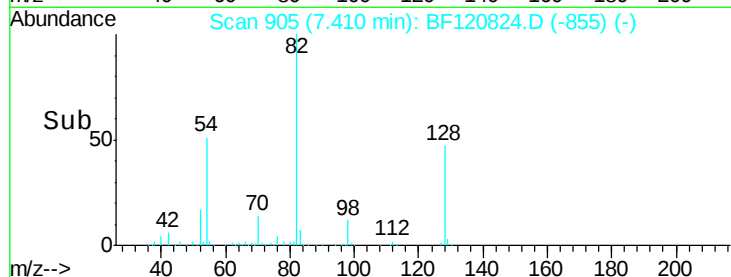
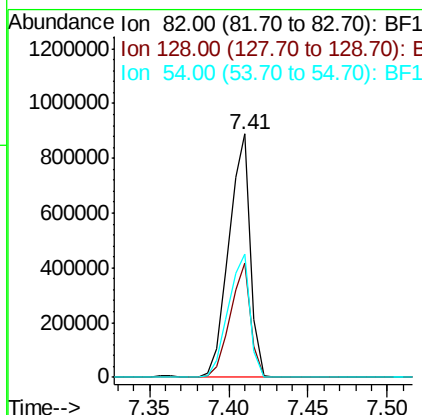
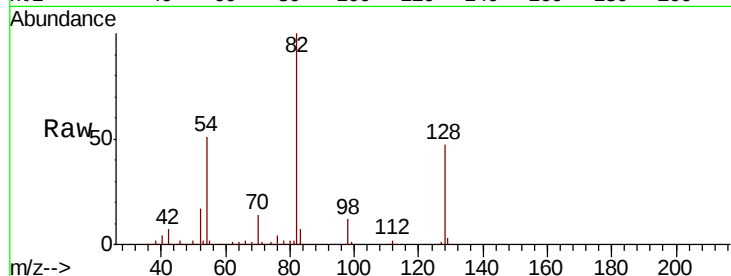




#23
Nitrobenzene-d5
Concen: 76.948 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

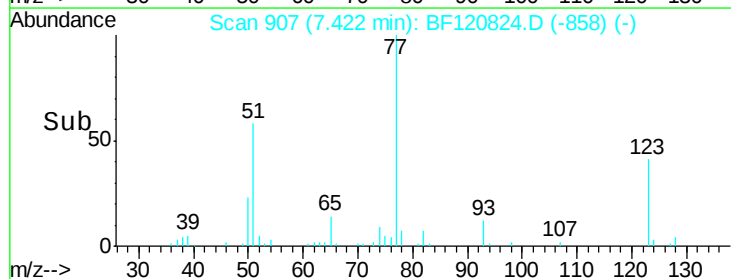
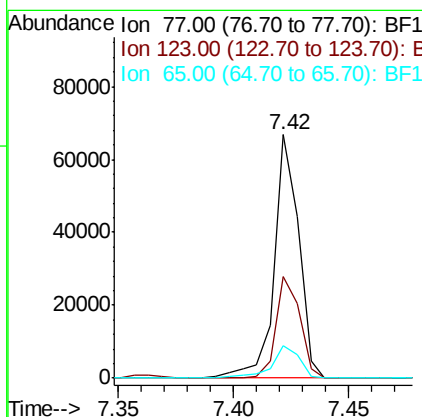
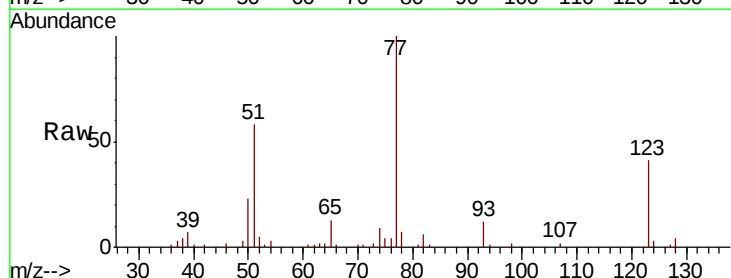
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

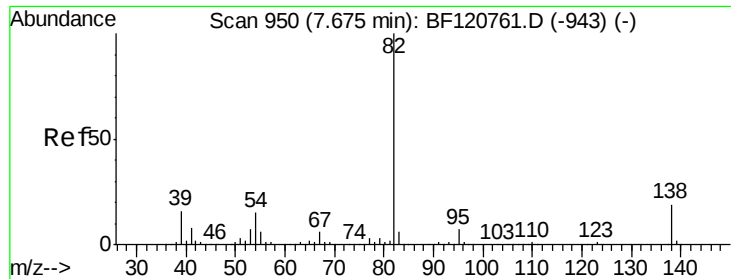
Tot Ion	82	Resp	827107
Ion Ratio	100		
Lower			
Upper			
82	100		
128	47.1	35.7	53.5
54	50.6	40.9	61.3



#24
Nitrobenzene
Concen: 4.052 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	77	Resp	48899
Ion Ratio	100		
Lower			
Upper			
77	100		
123	41.5	36.1	54.1
65	13.2	11.0	16.4





#25

Isophorone

Concen: 3.303 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

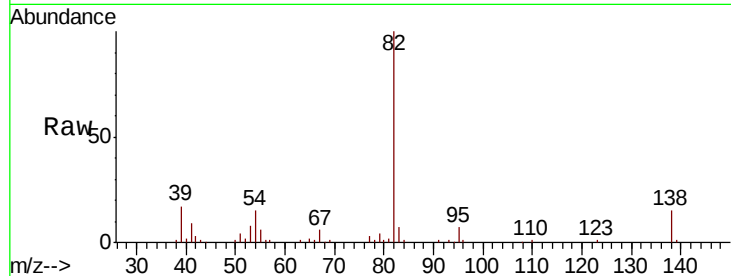
Tot Ion: 82 Resp: 76578

Ion Ratio Lower Upper

82 100

95 7.0 5.4 8.2

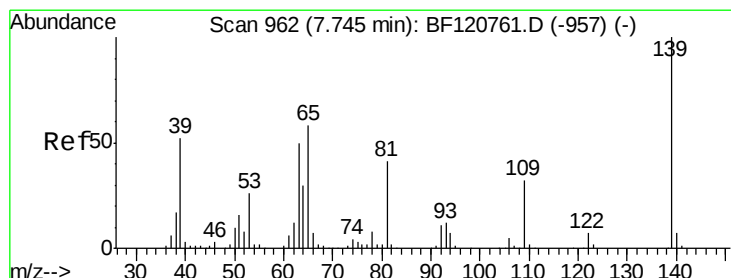
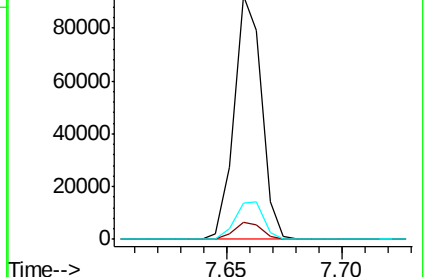
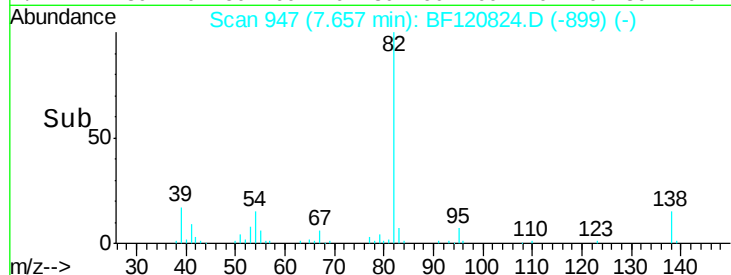
138 15.1 15.0 22.4



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 2.961 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

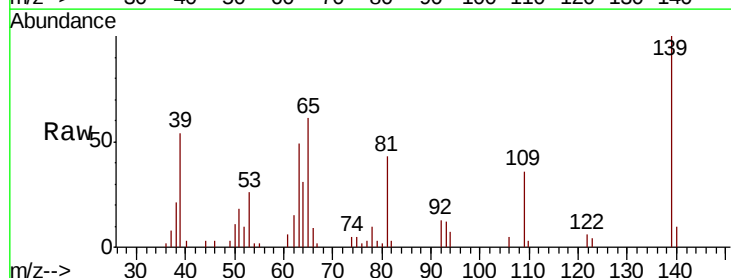
Tgt Ion: 139 Resp: 13064

Ion Ratio Lower Upper

139 100

109 35.8 25.3 37.9

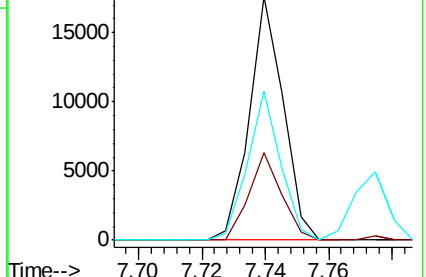
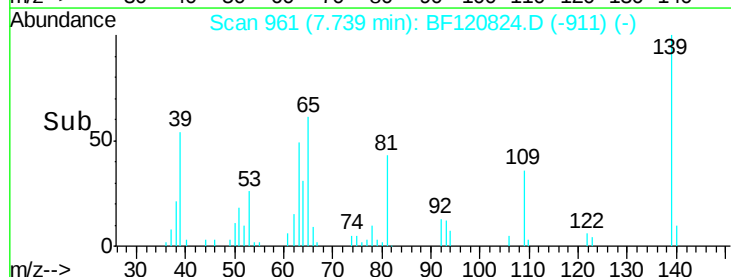
65 61.3 46.2 69.2

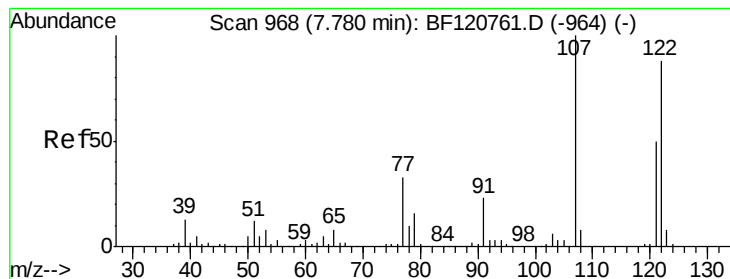


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 3.374 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

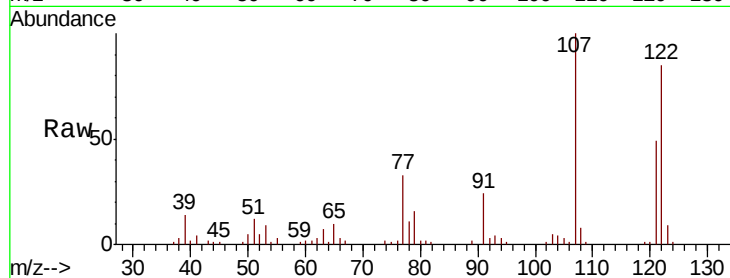
Tot Ion:122 Resp: 31224

Ion Ratio Lower Upper

122 100

107 118.1 90.7 136.1

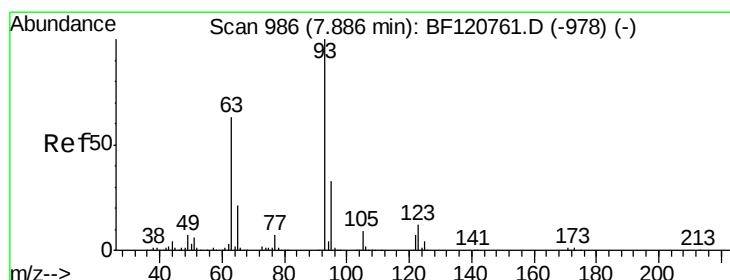
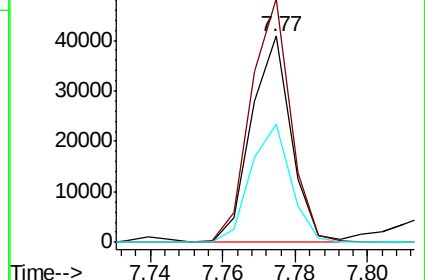
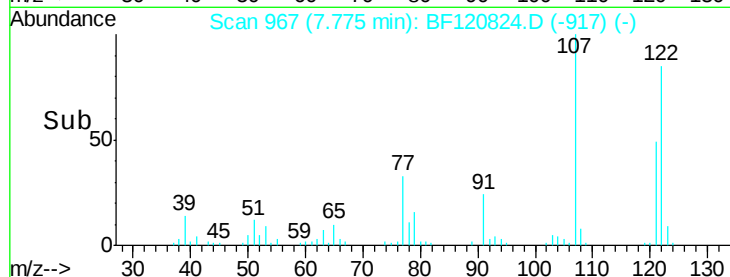
121 57.6 45.4 68.0



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: 3.543 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

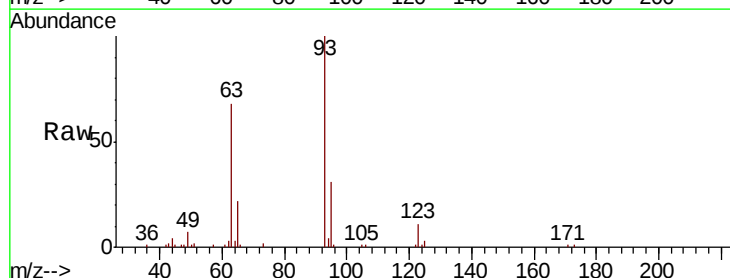
Tgt Ion: 93 Resp: 48604

Ion Ratio Lower Upper

93 100

95 31.2 26.4 39.6

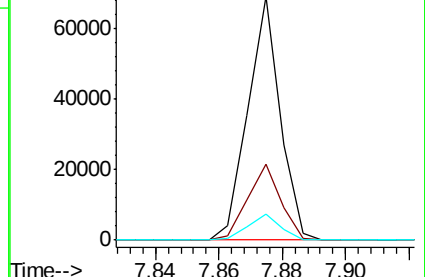
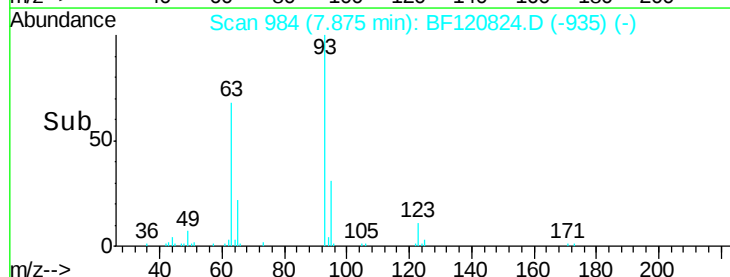
123 10.8 10.2 15.2

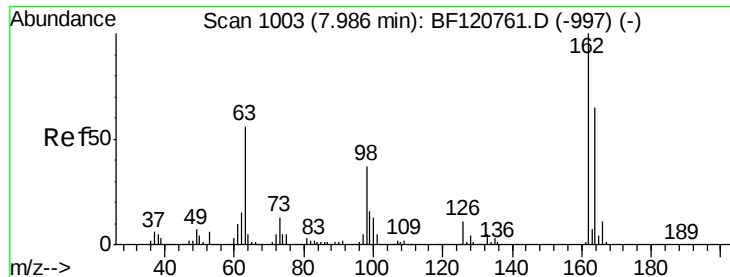


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

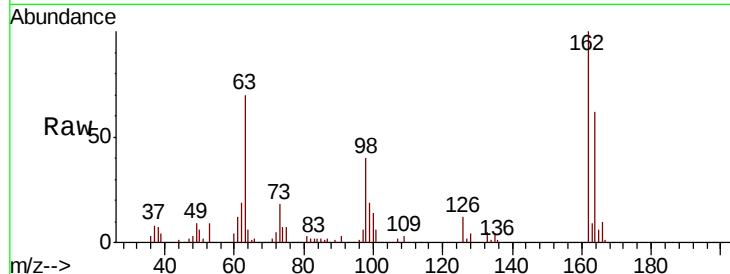




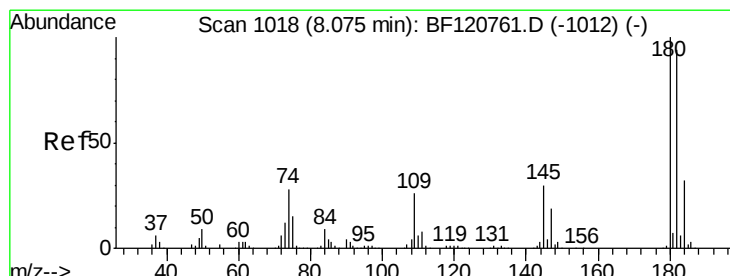
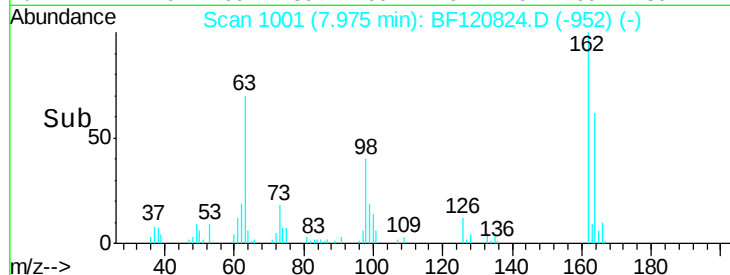
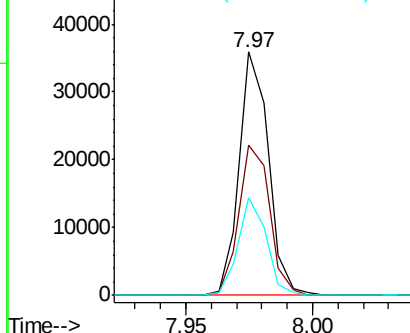
#29
2,4-Dichlorophenol
Concen: 3.109 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

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

Tot Ion:162 Resp: 28720
Ion Ratio Lower Upper
162 100
164 61.9 45.2 85.2
98 40.2 17.0 57.0

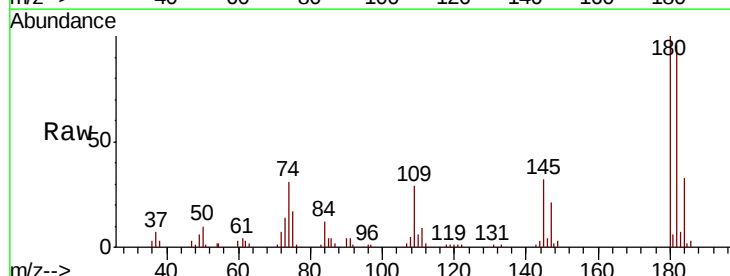


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

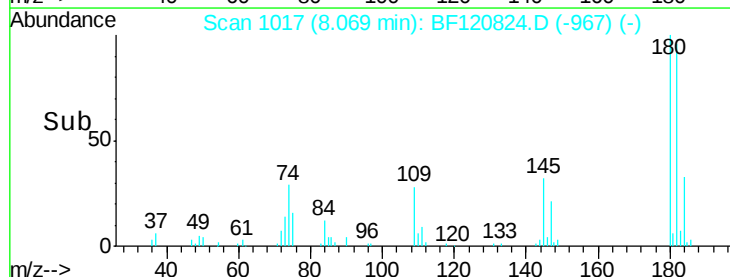
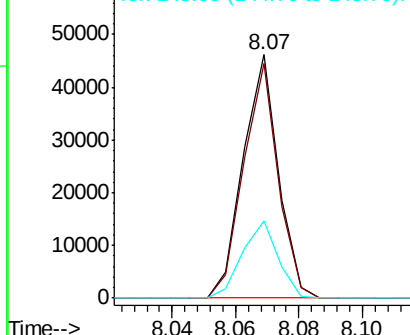


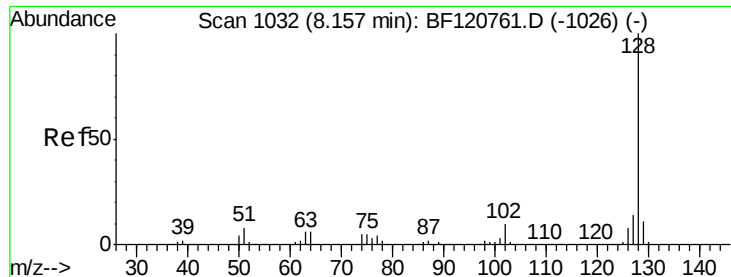
#30
1,2,4-Trichlorobenzene
Concen: 3.416 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:180 Resp: 35444
Ion Ratio Lower Upper
180 100
182 96.4 75.5 113.3
145 31.6 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

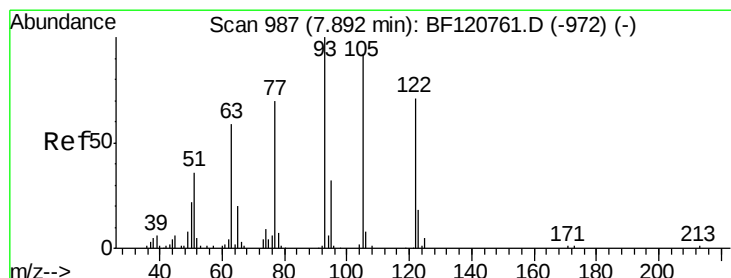
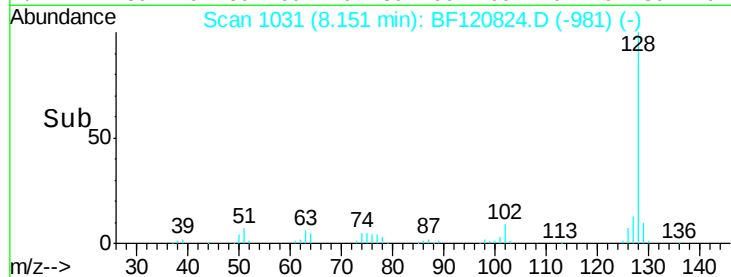
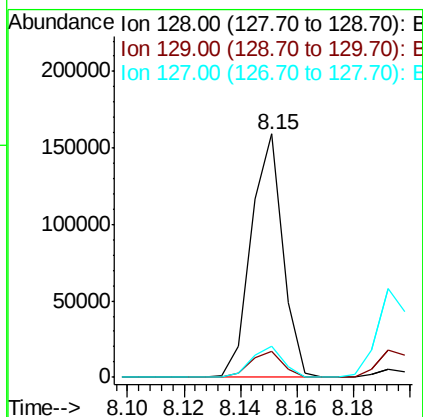
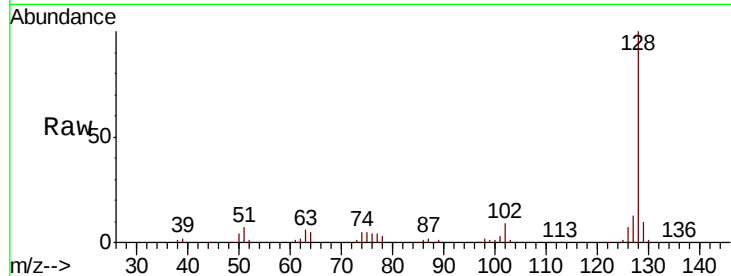




#31
Naphthalene
Concen: 3.701 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

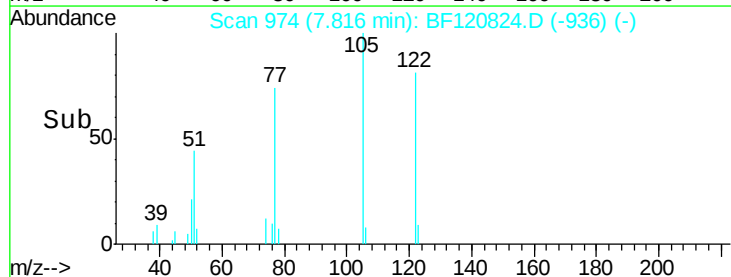
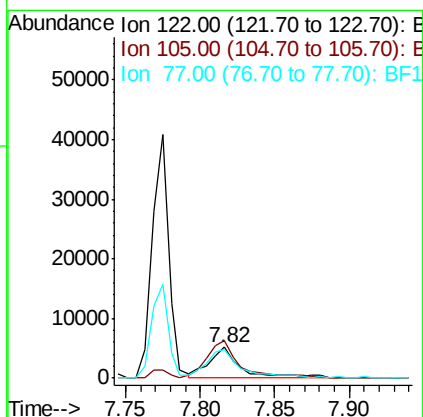
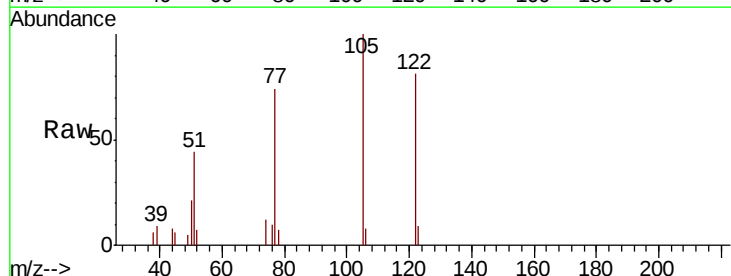
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

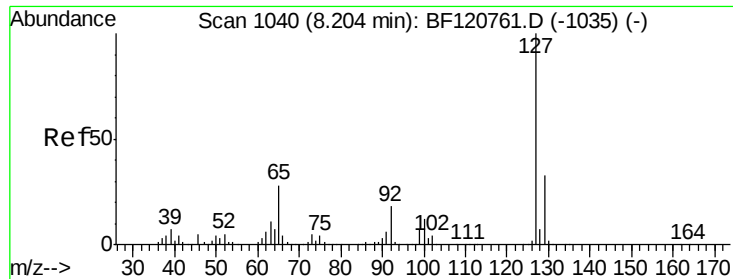
Tot Ion:128 Resp: 123183
Ion Ratio Lower Upper
128 100
129 10.4 9.2 13.8
127 12.9 11.1 16.7



#32
Benzoic acid
Concen: 1.532 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.08 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:122 Resp: 7671
Ion Ratio Lower Upper
122 100
105 122.7 105.8 145.8
77 90.7 77.3 117.3

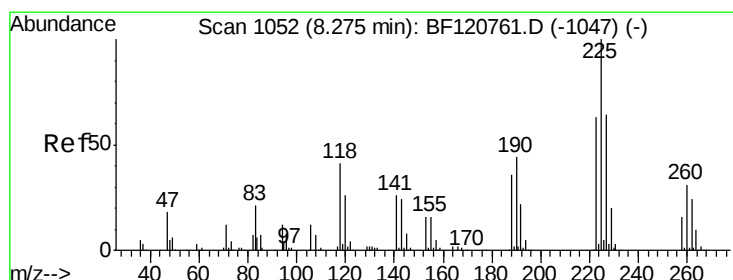
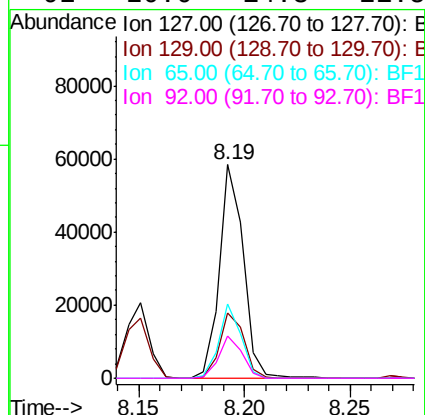
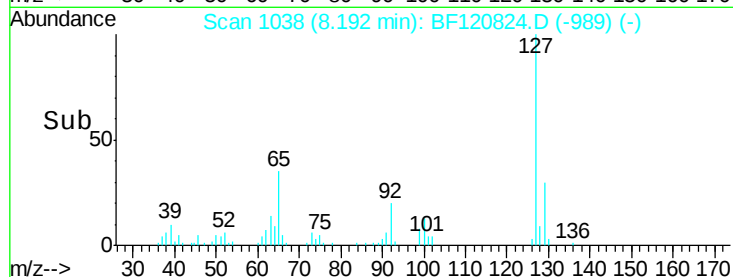
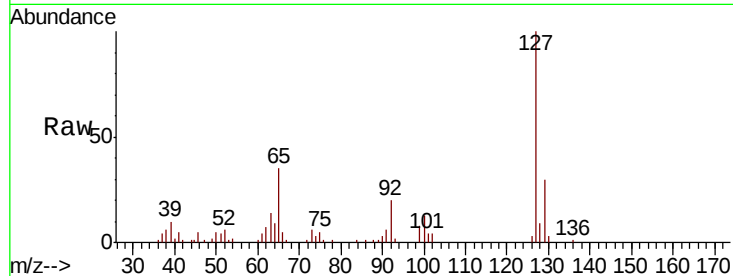




#33
4-Chloroaniline
Concen: 3.265 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

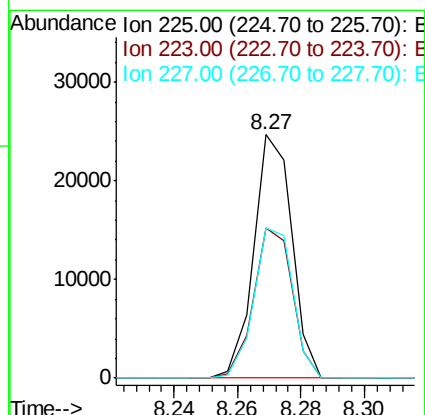
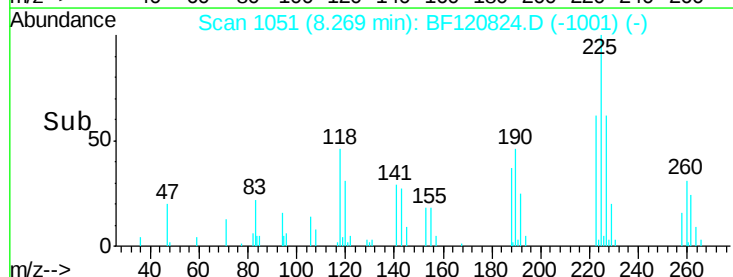
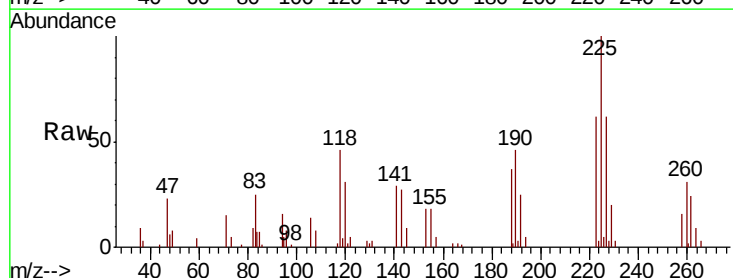
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

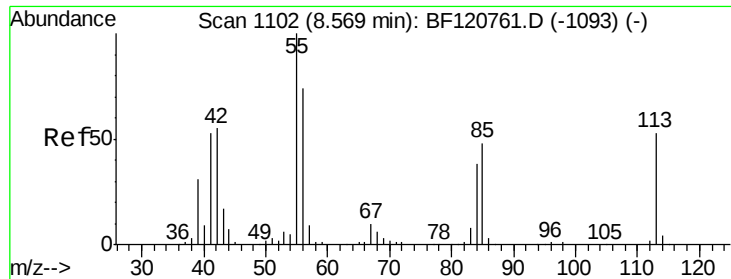
Tot Ion:	127	Resp:	46106
Ion	Ratio	Lower	Upper
127	100		
129	30.4	26.6	39.8
65	34.7	22.7	34.1#
92	20.0	14.3	21.5



#34
Hexachlorobutadiene
Concen: 3.299 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:	225	Resp:	20587
Ion	Ratio	Lower	Upper
225	100		
223	58.7	50.6	76.0
227	58.9	51.4	77.2

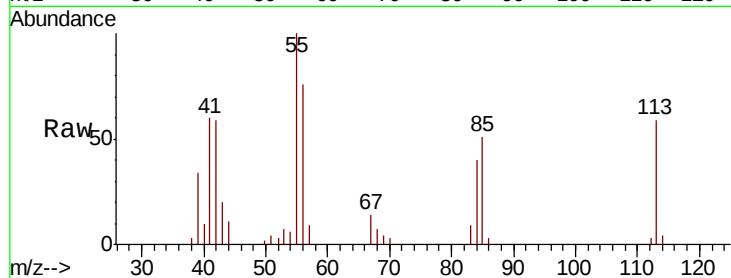




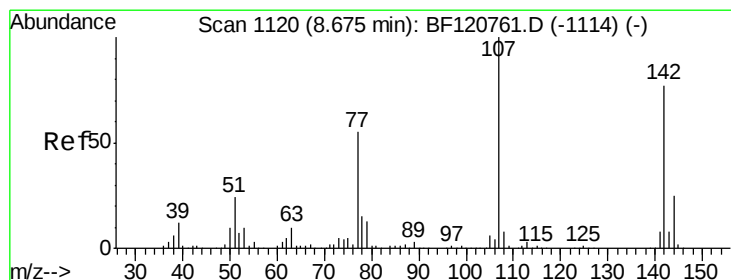
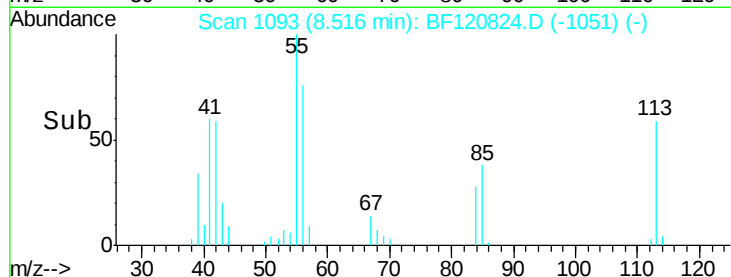
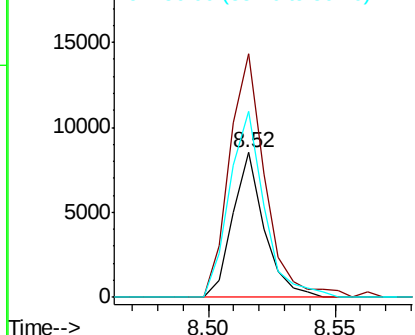
#35
 Caprolactam
 Concen: 2.750 ng
 RT: 8.52 min Scan# 1093
 Delta R.T. -0.05 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

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

Tot Ion:113 Resp: 7402
 Ion Ratio Lower Upper
 113 100
 55 168.6 168.3 208.3
 56 128.6 118.8 158.8

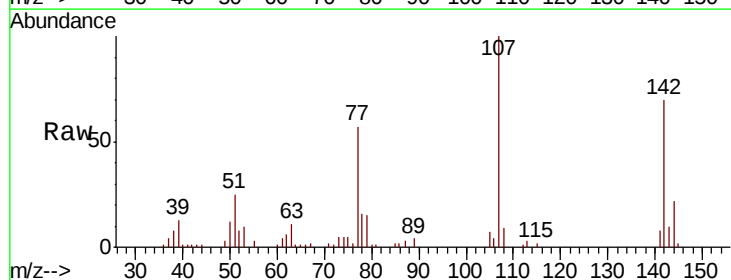


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

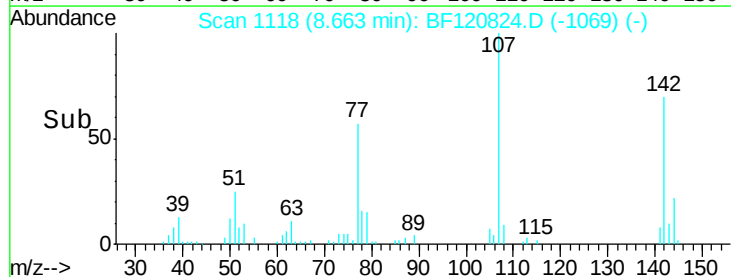
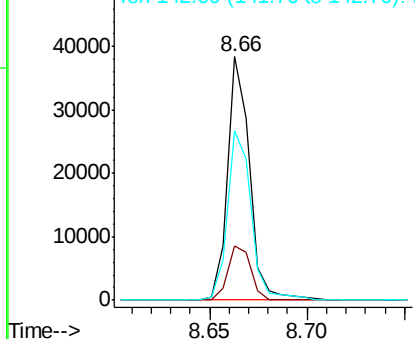


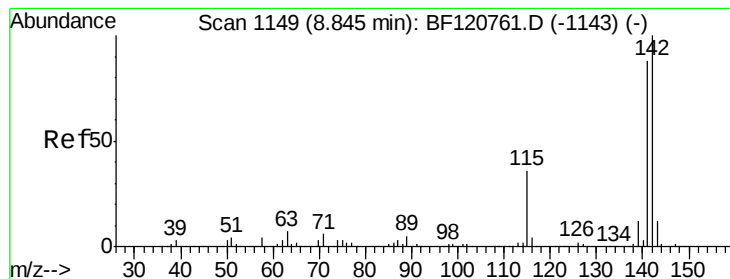
#36
 4-Chloro-3-methylphenol
 Concen: 3.122 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion:107 Resp: 30005
 Ion Ratio Lower Upper
 107 100
 144 22.2 19.7 29.5
 142 69.6 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: 3.583 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

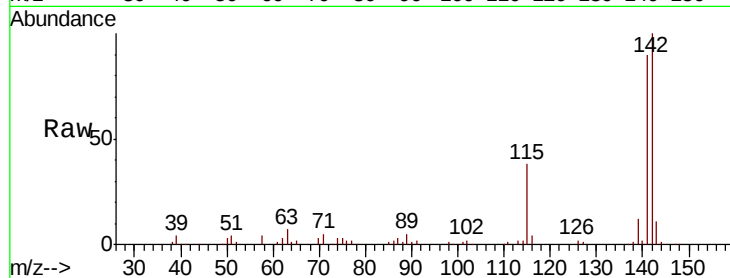
Tot Ion:142 Resp: 77517

Ion Ratio Lower Upper

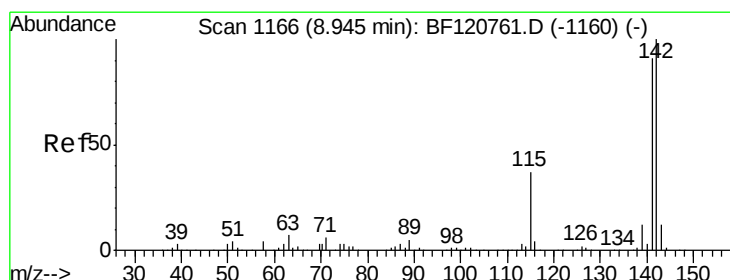
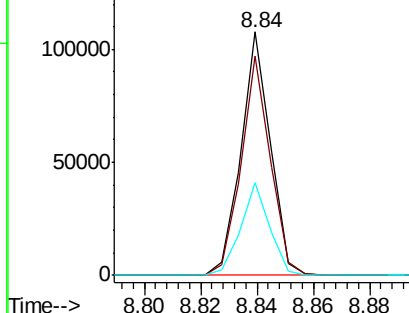
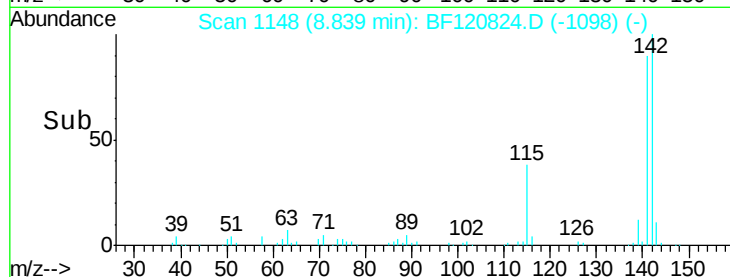
142 100

141 89.9 70.2 105.4

115 38.3 29.0 43.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 3.609 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

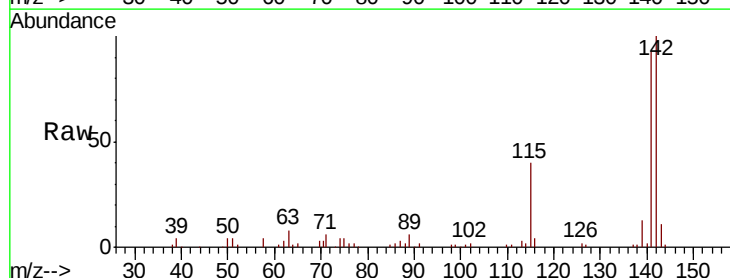
Tgt Ion:142 Resp: 73141

Ion Ratio Lower Upper

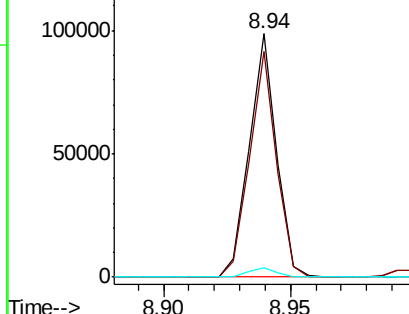
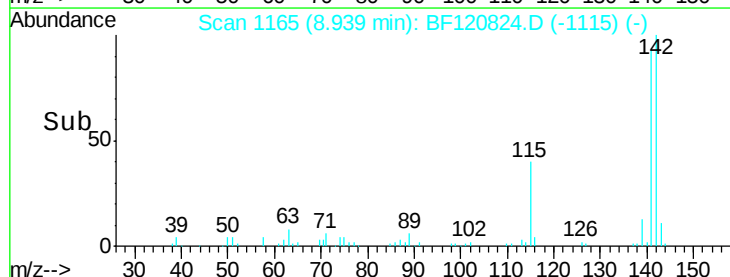
142 100

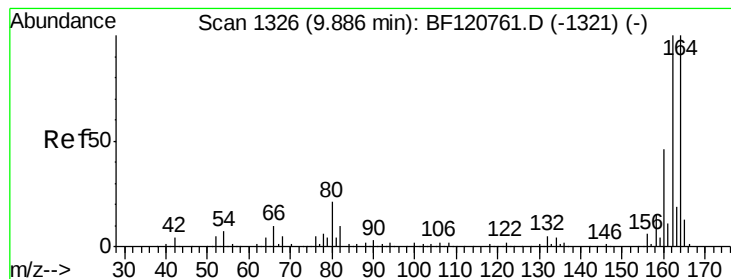
141 92.8 72.5 108.7

116 3.9 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

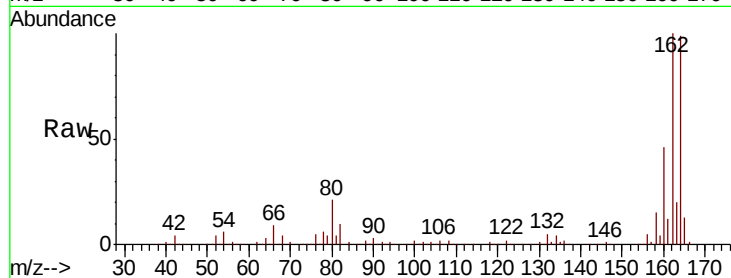
Tot Ion:164 Resp: 306382

Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.2

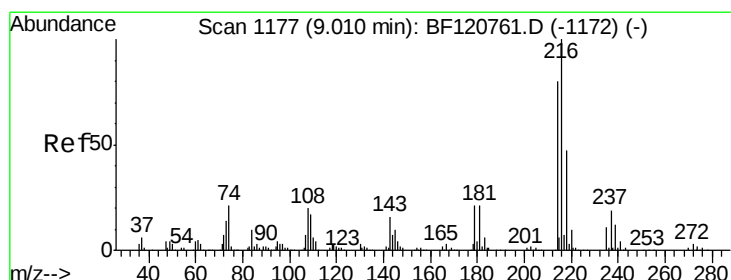
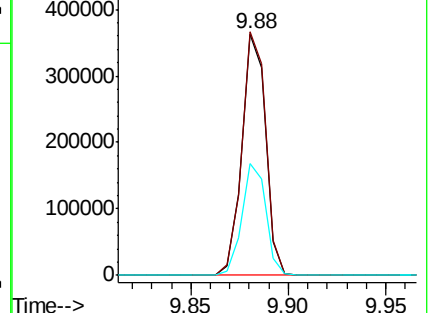
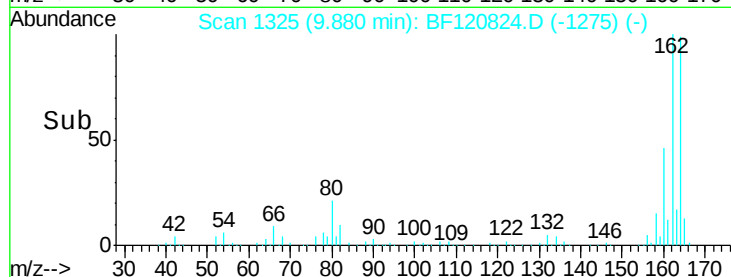
160 46.3 36.9 55.3



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: 3.742 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Tgt Ion:216 Resp: 34652

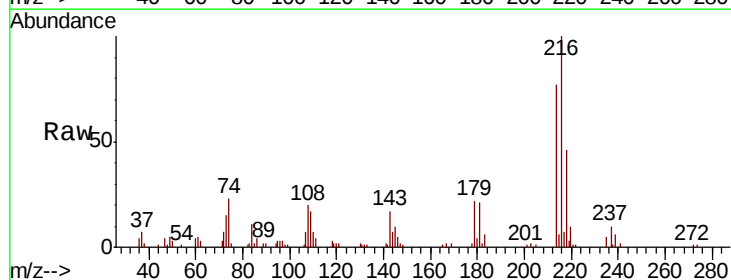
Ion Ratio Lower Upper

216 100

214 77.0 63.7 95.5

179 21.5 16.7 25.1

108 22.5 17.0 25.4

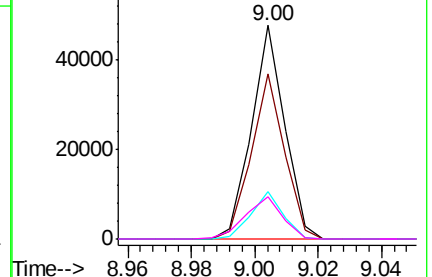
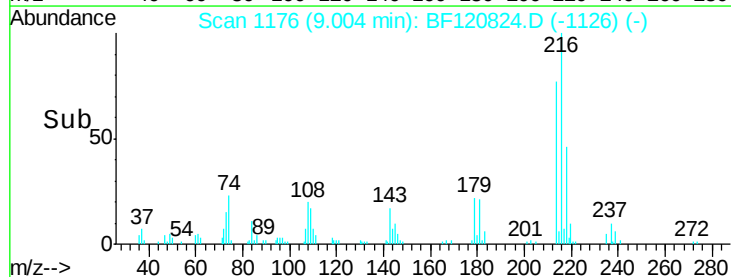


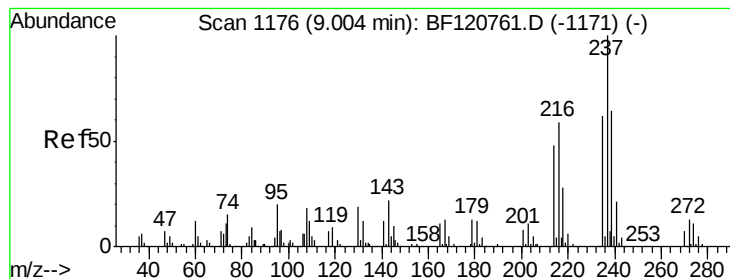
Abundance Ion 216.00 (215.70 to 216.70): E

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: 2.568 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

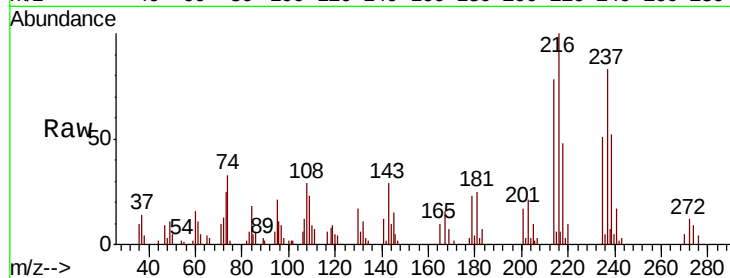
Tot Ion:237 Resp: 14051

Ion Ratio Lower Upper

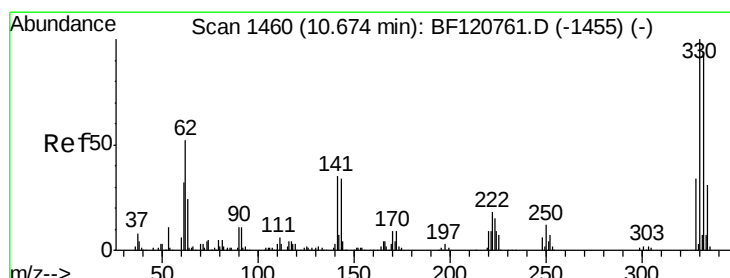
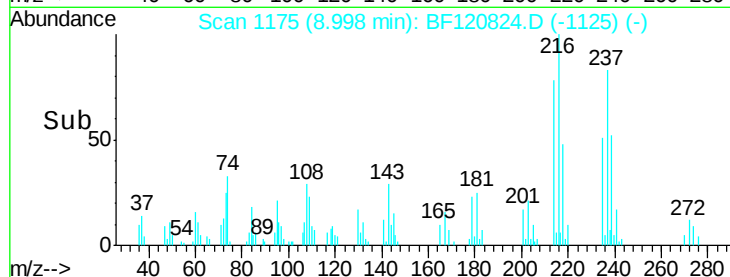
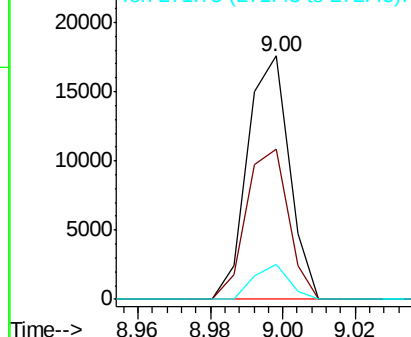
237 100

235 61.5 42.1 82.1

272 14.1 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: 139.139 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

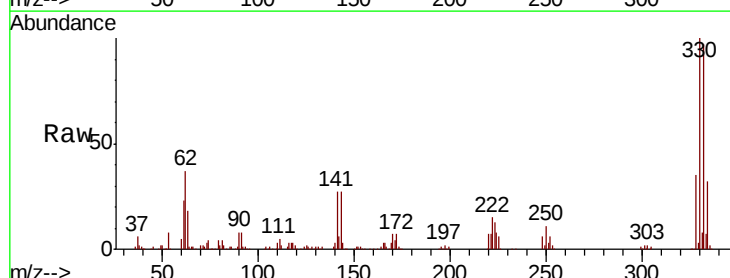
Tgt Ion:330 Resp: 428276

Ion Ratio Lower Upper

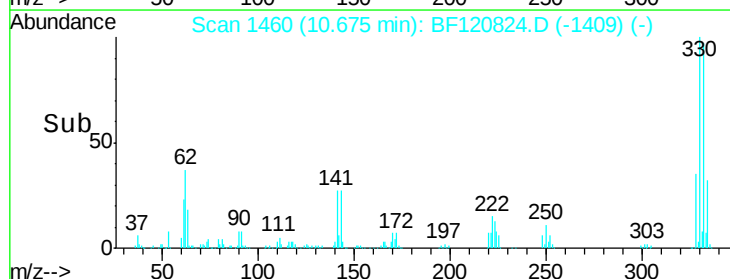
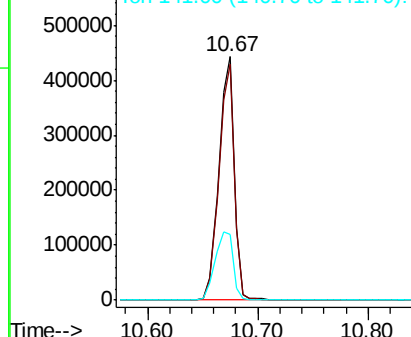
330 100

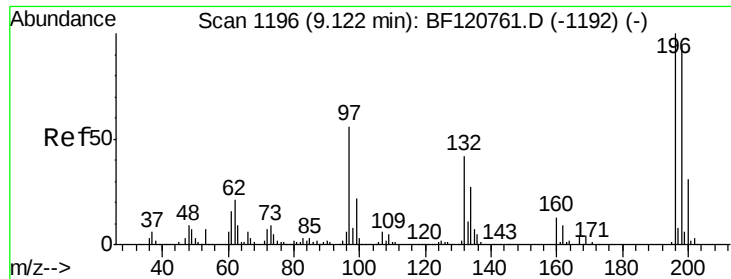
332 96.6 75.8 113.6

141 33.1 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

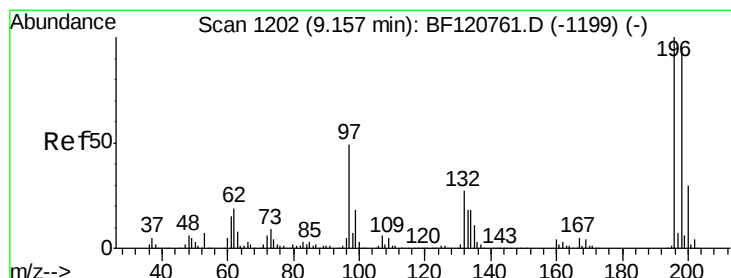
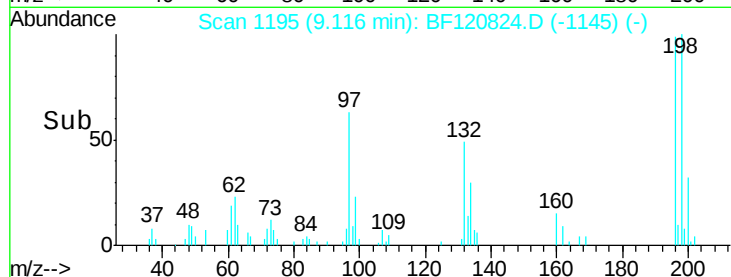
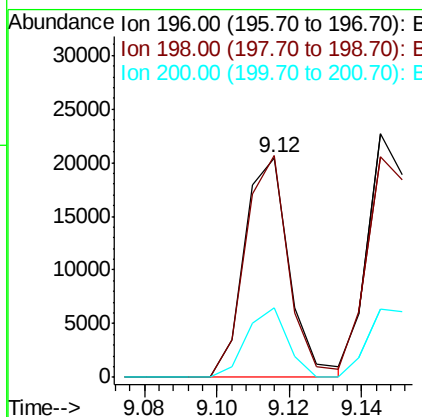
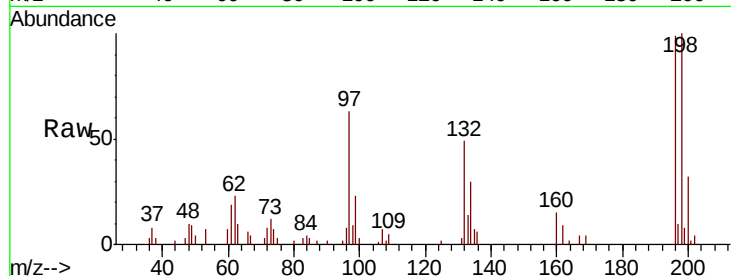




#43
 2,4,6-Trichlorophenol
 Concen: 2.833 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

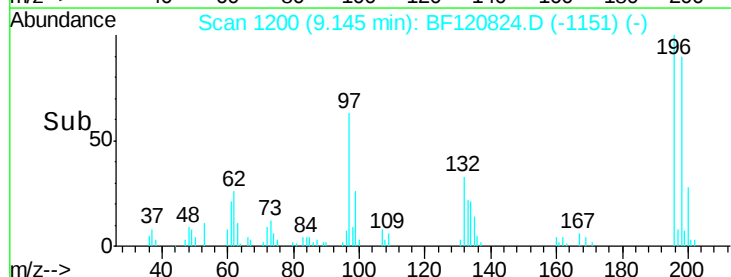
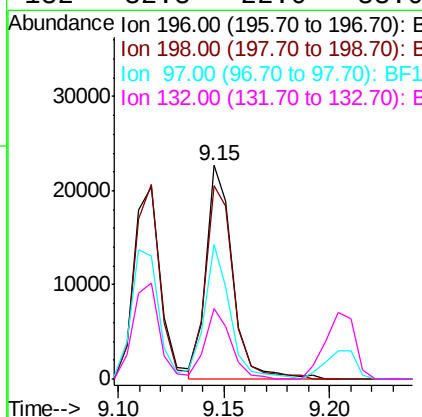
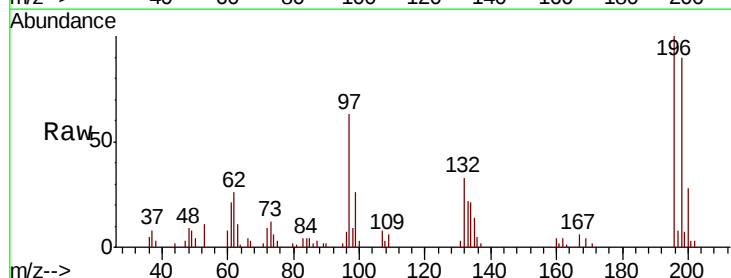
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

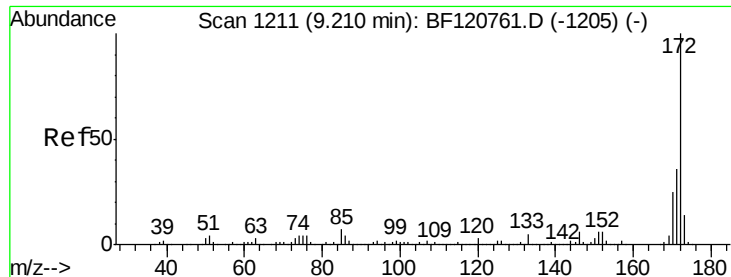
Tot Ion:196 Resp: 17873
 Ion Ratio Lower Upper
 196 100
 198 101.2 75.3 112.9
 200 32.0 24.4 36.6



#44
 2,4,5-Trichlorophenol
 Concen: 2.862 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion:196 Resp: 20044
 Ion Ratio Lower Upper
 196 100
 198 90.4 76.2 114.2
 97 63.1 39.6 59.4#
 132 32.8 22.0 33.0

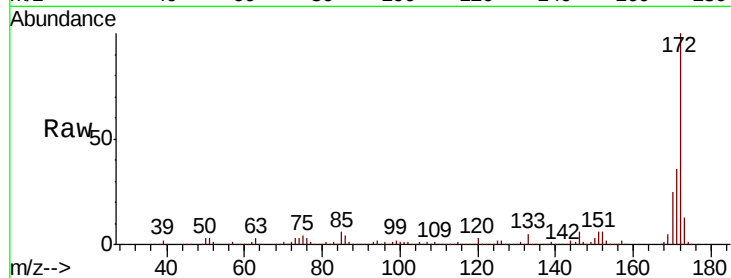




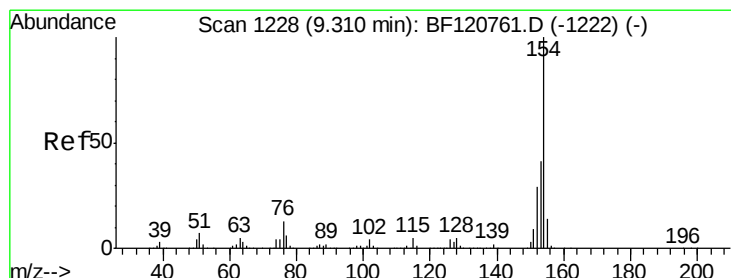
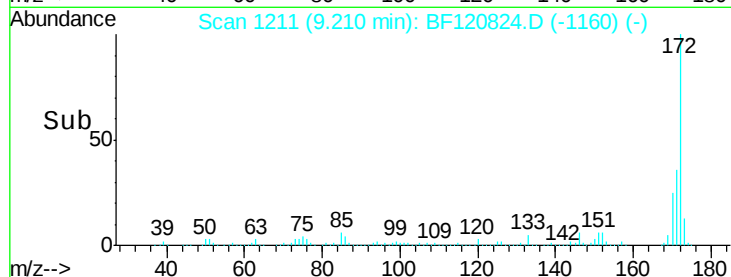
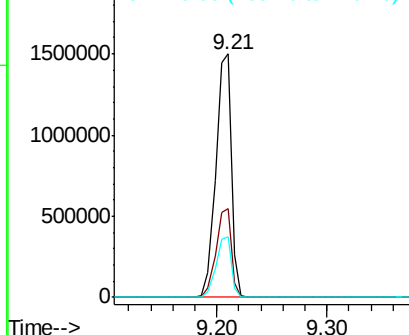
#45
2-Fluorobiphenyl
Concen: 71.746 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

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

Tot Ion:172 Resp: 1452915
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 24.8 19.8 29.6

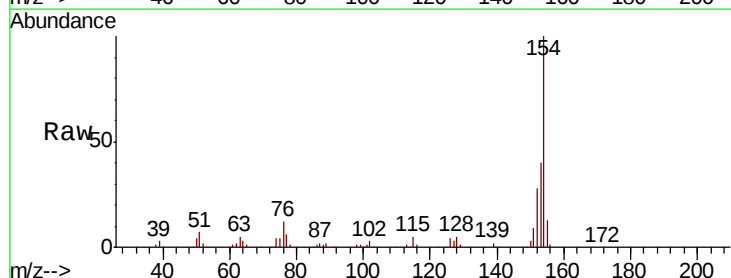


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

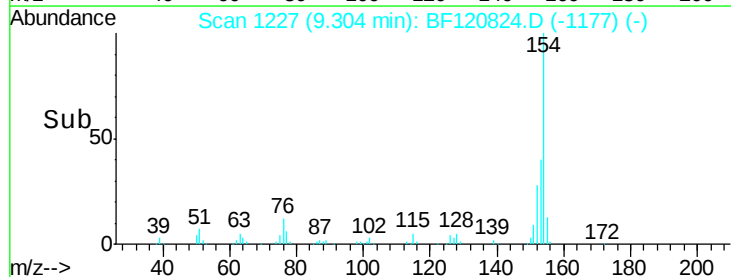
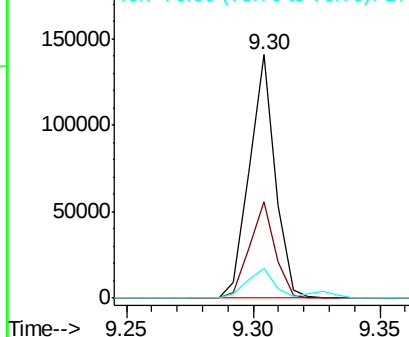


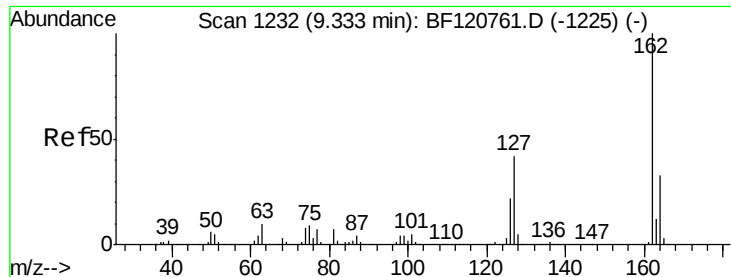
#46
1,1'-Biphenyl
Concen: 4.010 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:154 Resp: 99111
Ion Ratio Lower Upper
154 100
153 39.8 20.7 60.7
76 12.2 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

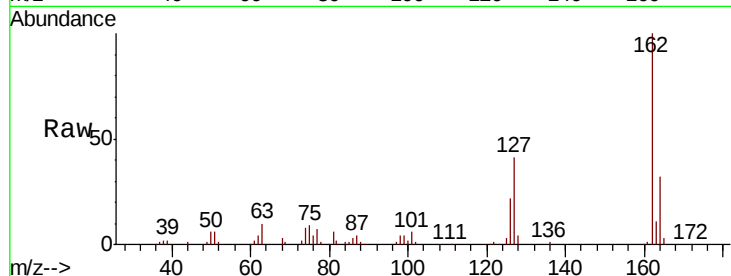




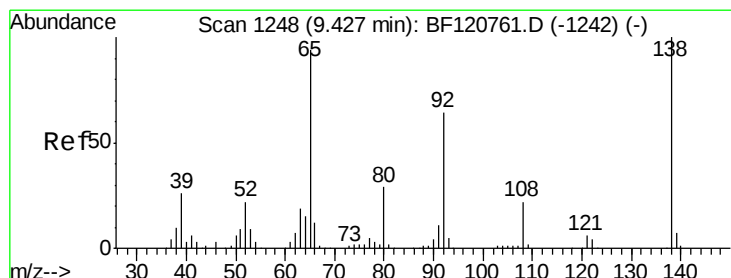
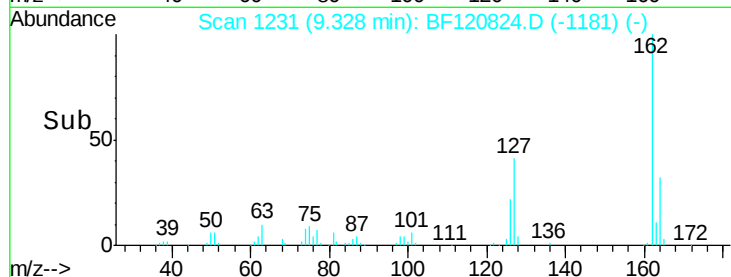
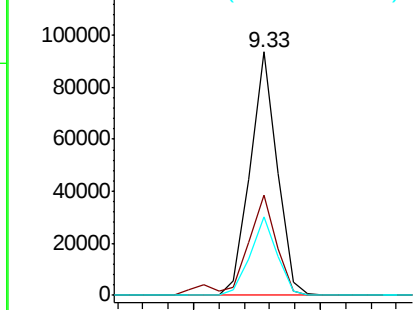
#47
 2-Chloronaphthalene
 Concen: 3.507 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

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

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.7	50.5
164	32.2	26.4	39.6

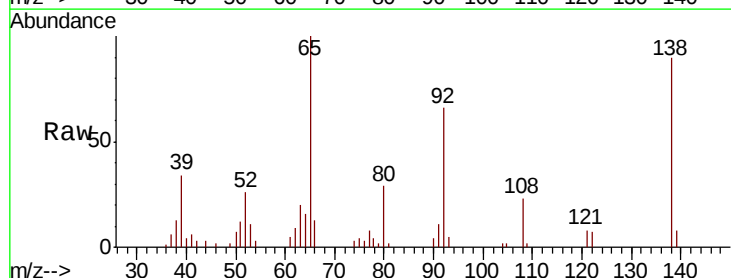


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

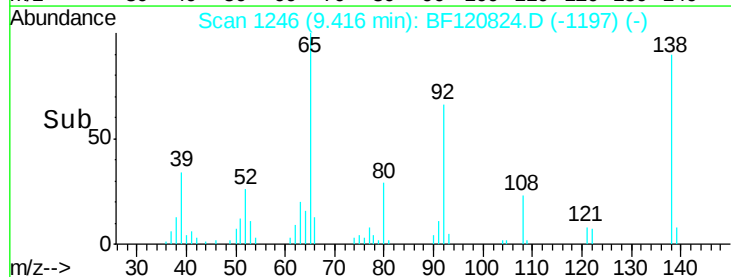
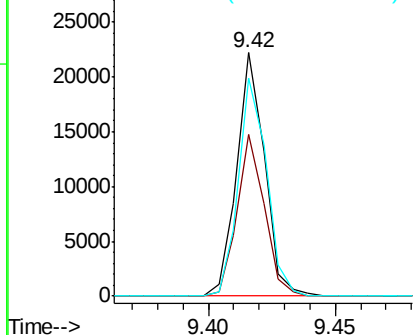


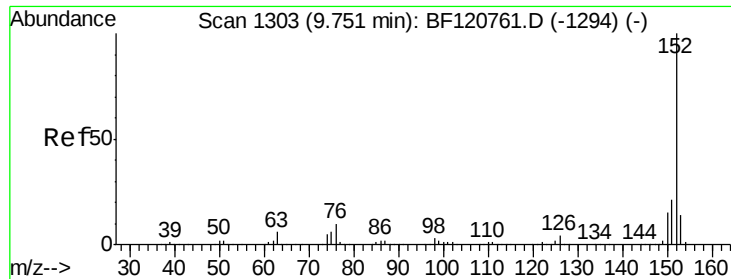
#48
 2-Nitroaniline
 Concen: 3.194 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.2	54.4	81.6
138	89.7	84.7	127.1



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 3.472 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

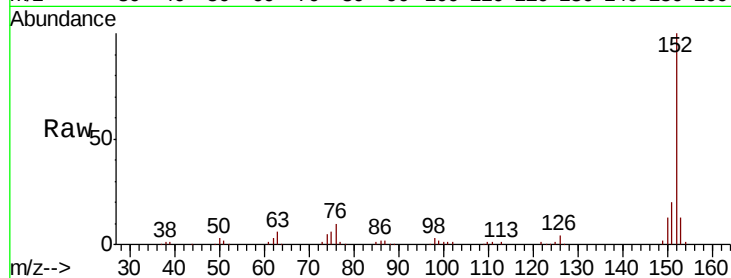
Tot Ion:152 Resp: 107784

Ion Ratio Lower Upper

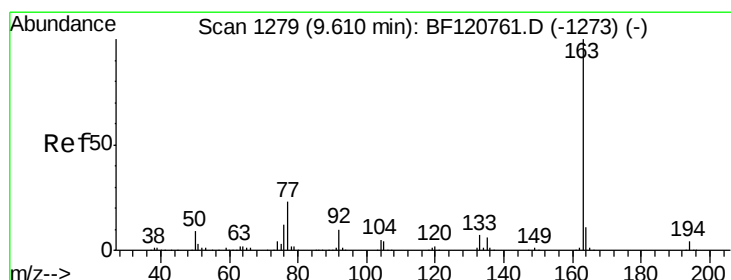
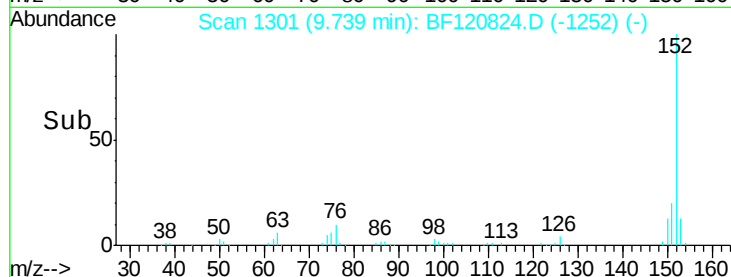
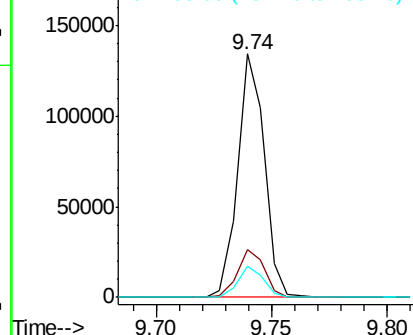
152 100

151 19.7 16.9 25.3

153 13.0 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: 3.403 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

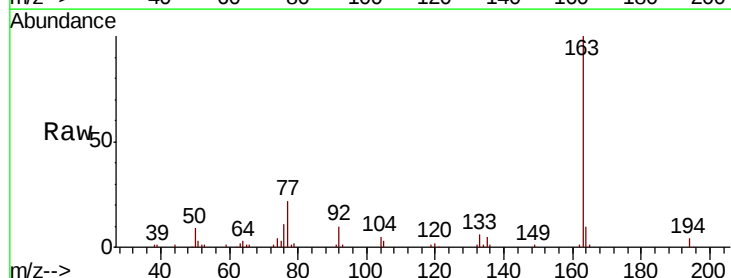
Tgt Ion:163 Resp: 76055

Ion Ratio Lower Upper

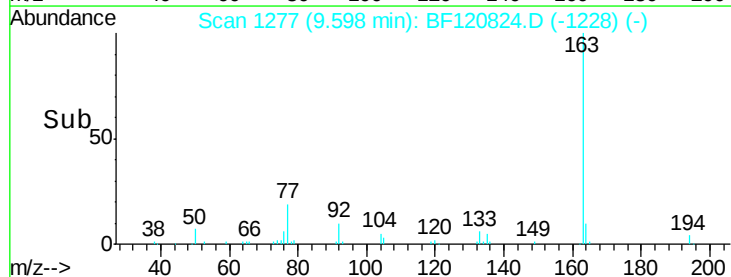
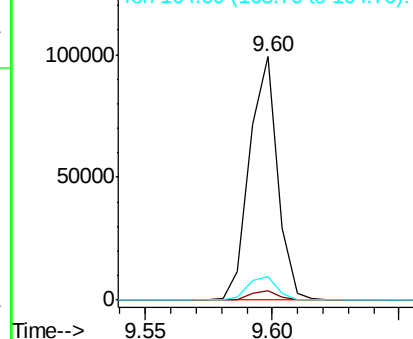
163 100

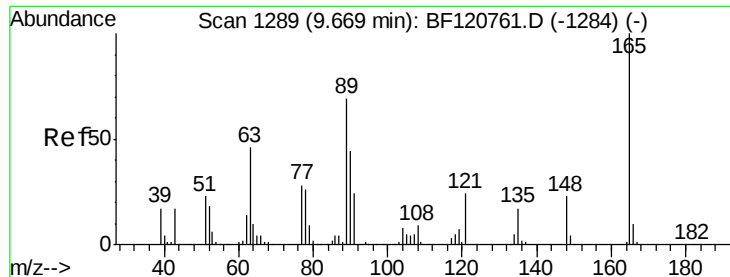
194 3.8 2.9 4.3

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

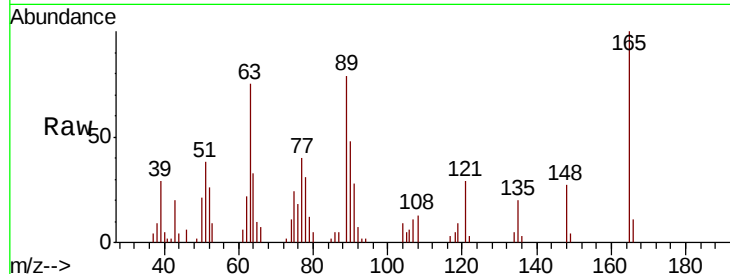




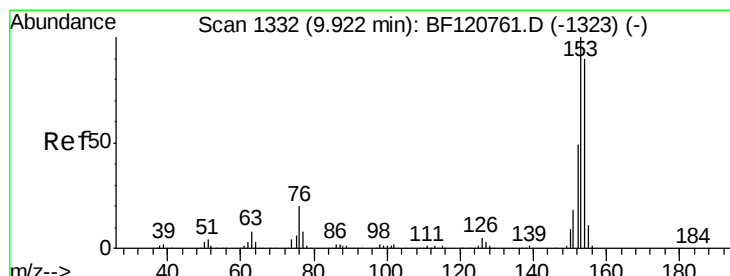
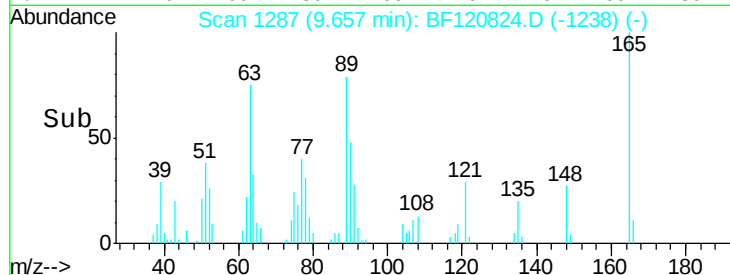
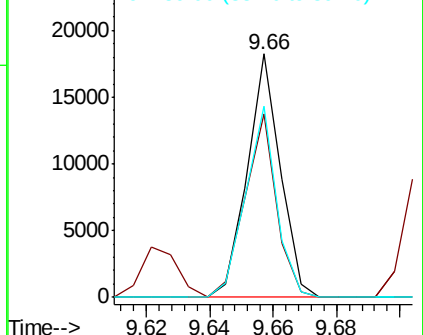
#51
 2,6-Dinitrotoluene
 Concen: 3.253 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

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

Tot Ion	Ratio	Lower	Upper
165	100		
63	75.3	54.0	81.0
89	78.7	55.4	83.2

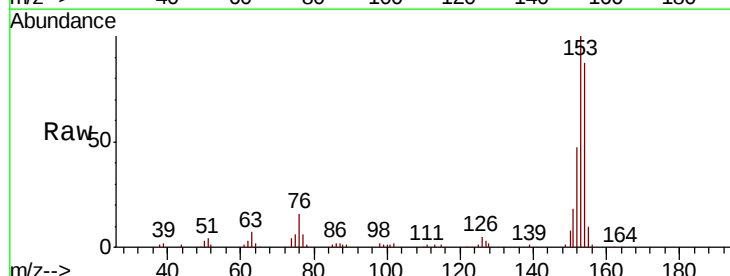


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

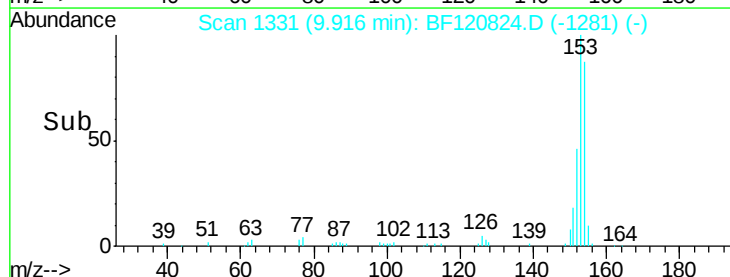
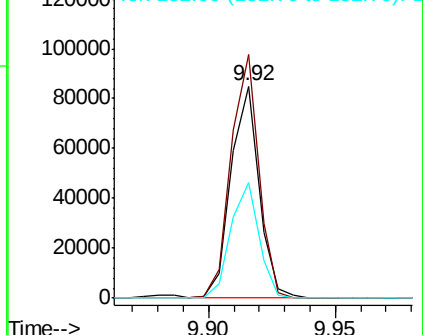


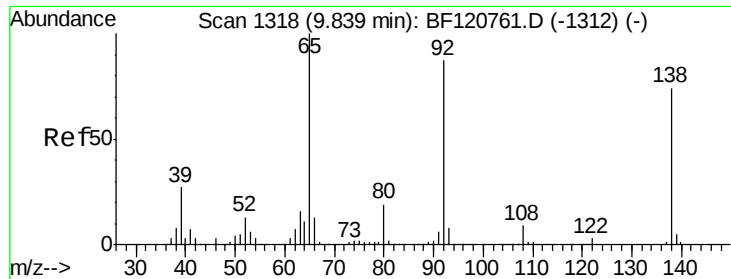
#52
 Acenaphthene
 Concen: 3.411 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.0	88.6	132.8
152	54.4	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

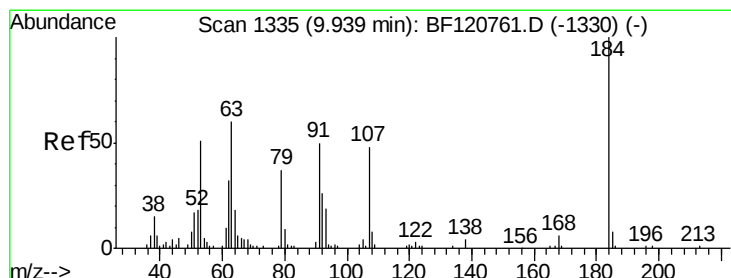
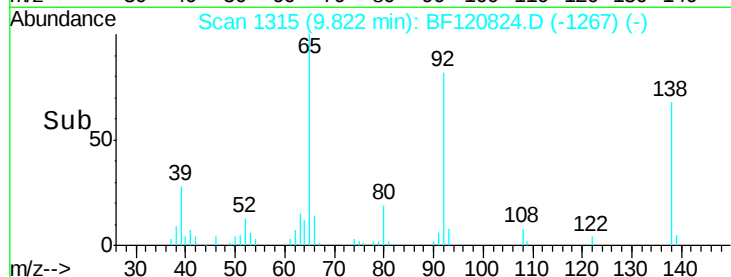
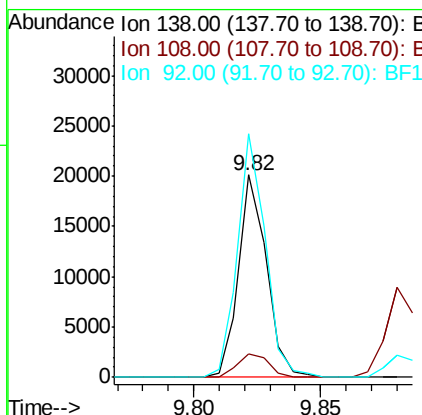
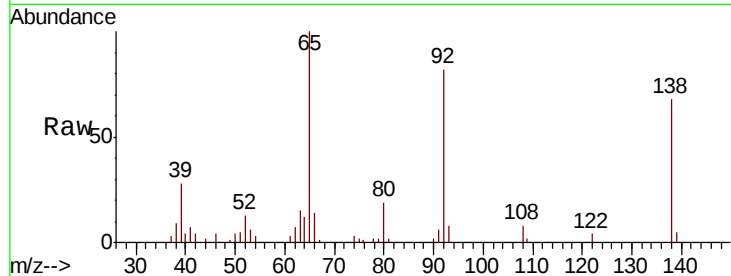




#53
3-Nitroaniline
Concen: 3.087 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

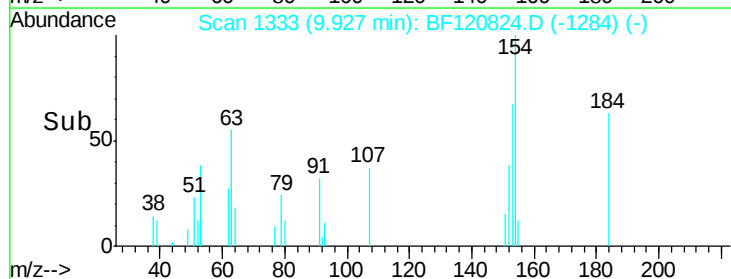
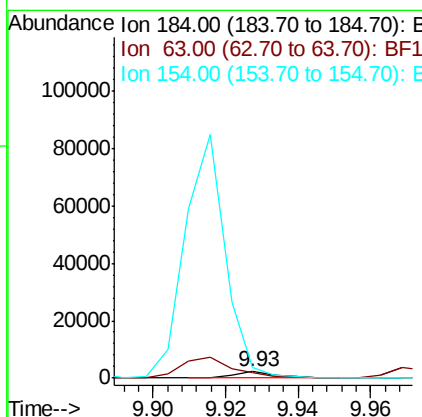
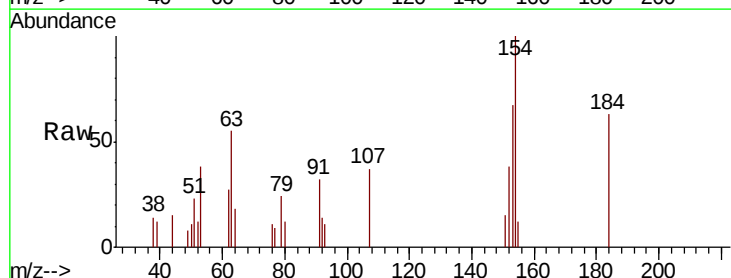
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

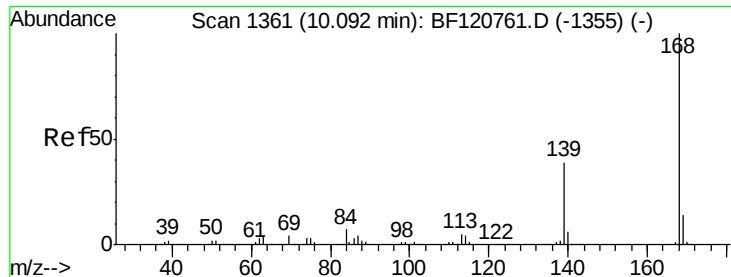
Tot Ion:138 Resp: 15401
Ion Ratio Lower Upper
138 100
108 11.9 9.8 14.6
92 120.4 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 1.241 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:184 Resp: 1655
Ion Ratio Lower Upper
184 100
63 86.5 57.3 85.9#
154 157.5 55.8 83.6#

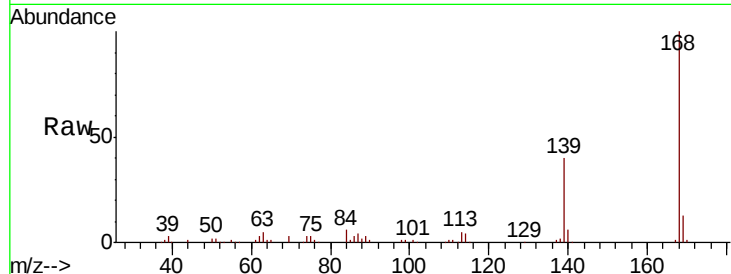




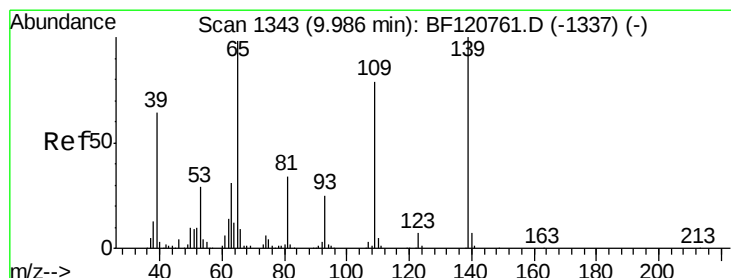
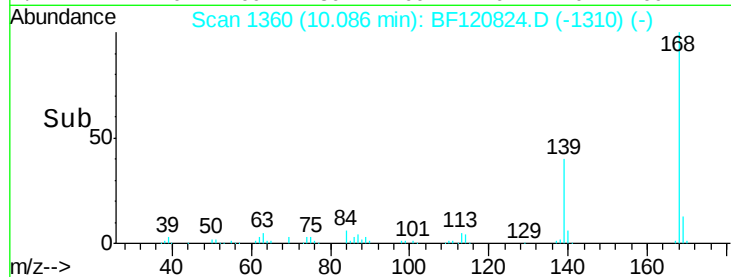
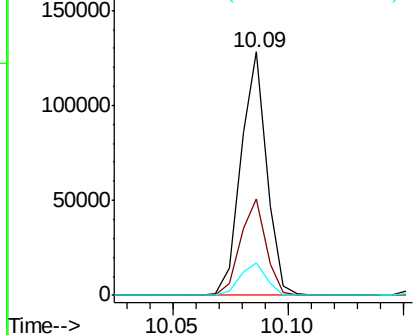
#55
Dibenzenofuran
Concen: 3.582 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

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

Tot Ion:168 Resp: 99441
Ion Ratio Lower Upper
168 100
139 39.7 31.3 46.9
169 13.3 11.2 16.8

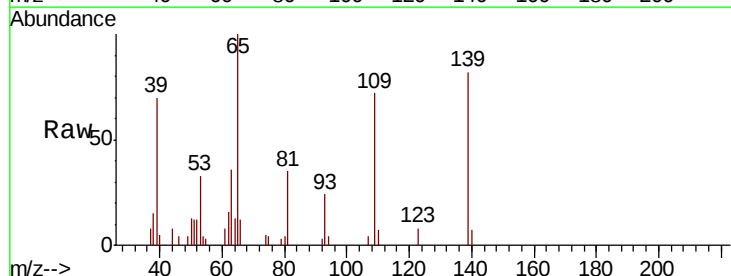


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

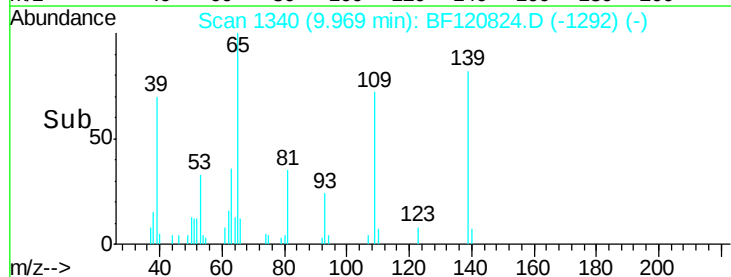
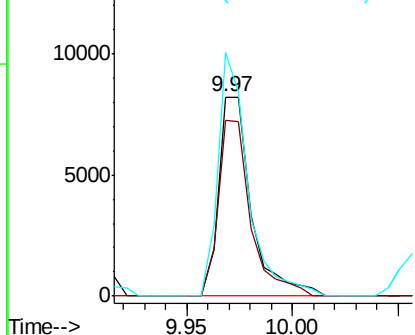


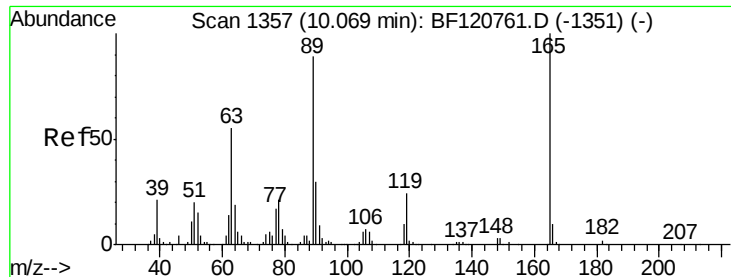
#56
4-Nitrophenol
Concen: 2.406 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:139 Resp: 8814
Ion Ratio Lower Upper
139 100
109 88.1 58.6 98.6
65 122.4 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: 3.069 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion:165 Resp: 14879

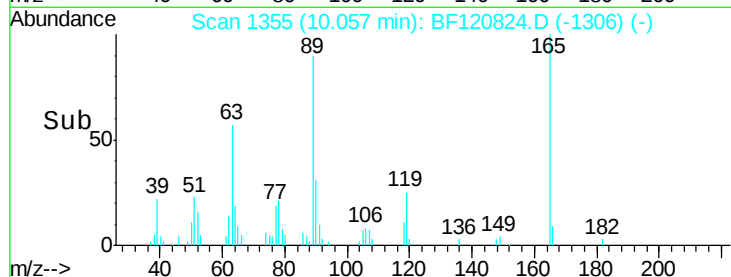
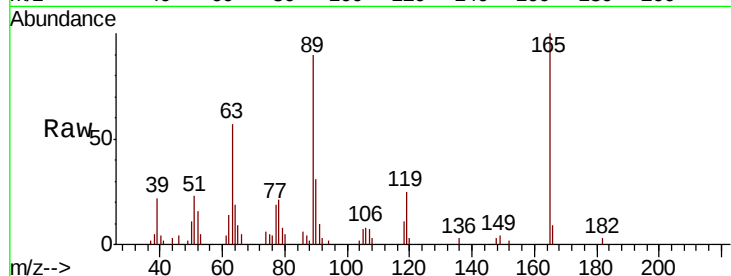
Ion Ratio Lower Upper

165 100

63 56.8 43.8 65.8

89 90.1 71.4 107.2

182 2.5 1.8 2.6

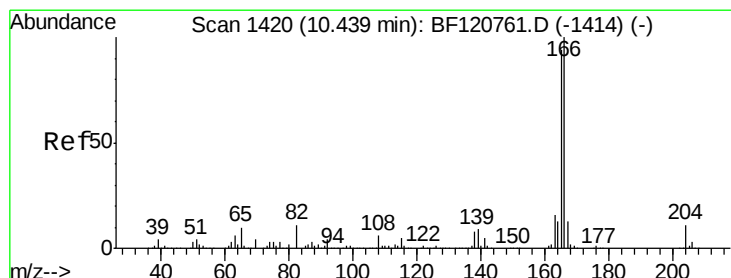
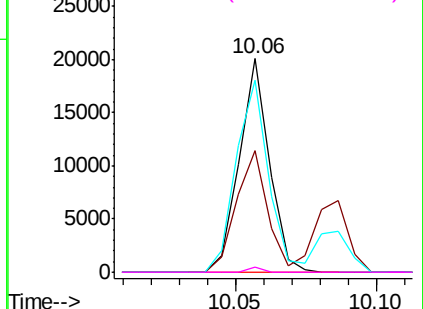


Abundance Ion 165.00 (164.70 to 165.70): E

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: 3.584 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

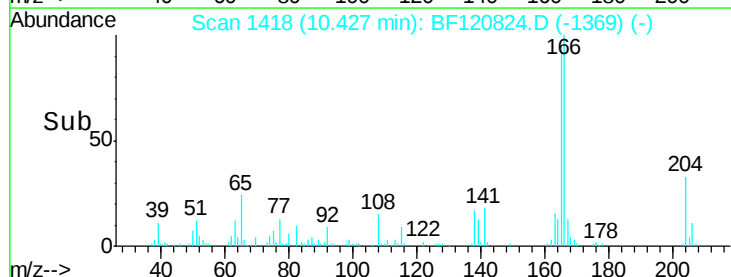
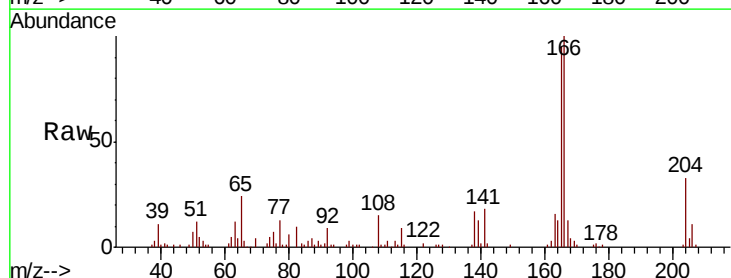
Tgt Ion:166 Resp: 74048

Ion Ratio Lower Upper

166 100

165 94.9 75.5 113.3

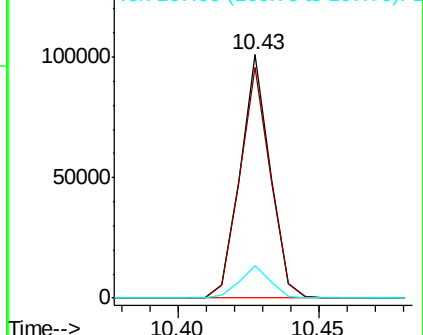
167 13.3 10.6 16.0

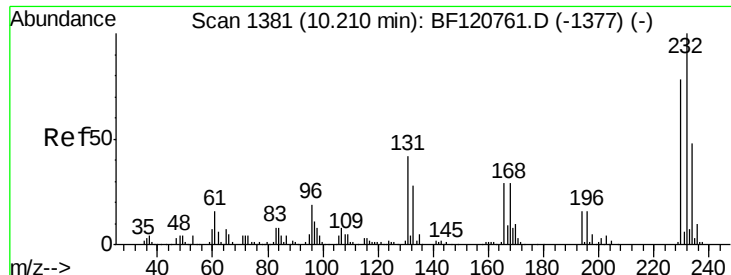


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

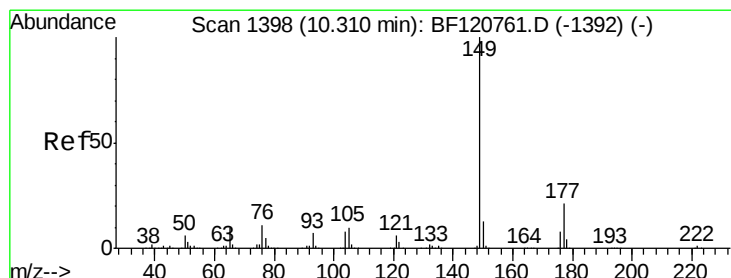
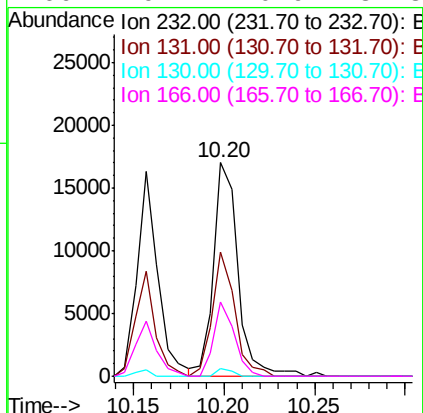
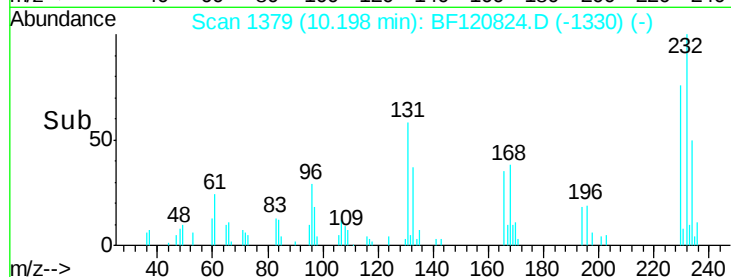
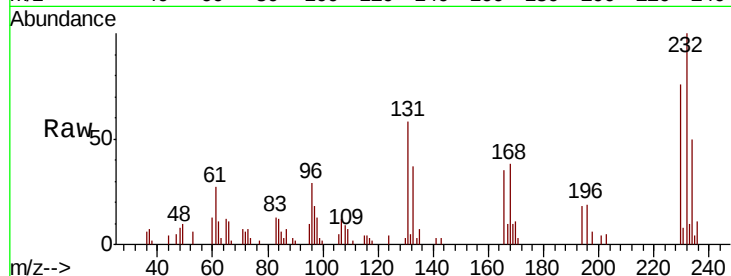




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.076 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

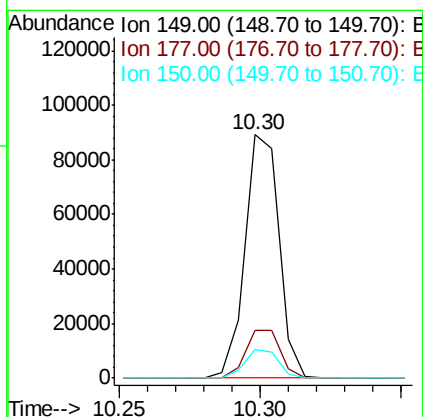
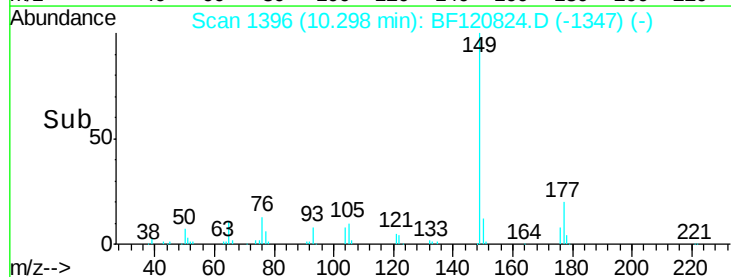
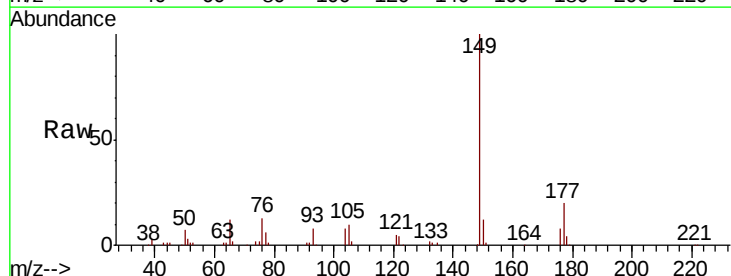
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

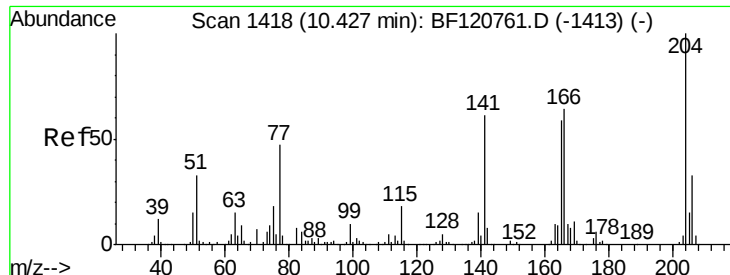
Tot Ion:232 Resp: 16026
 Ion Ratio Lower Upper
 232 100
 131 52.9 36.3 54.5
 130 2.1 2.0 3.0
 166 29.4 20.9 31.3



#60
 Diethylphthalate
 Concen: 3.215 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion:149 Resp: 74847
 Ion Ratio Lower Upper
 149 100
 177 19.7 16.4 24.6
 150 12.0 10.2 15.4

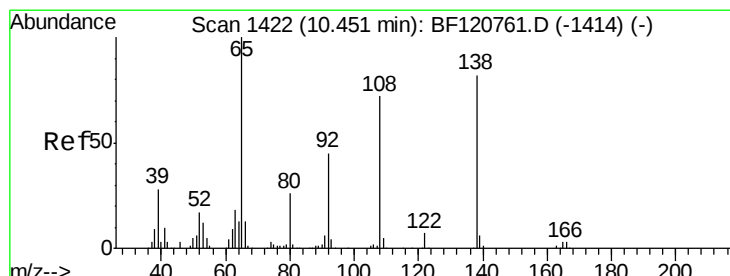
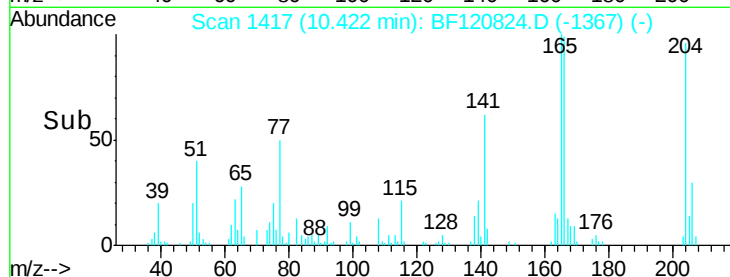
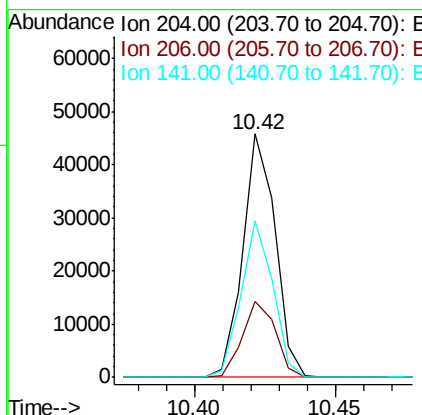
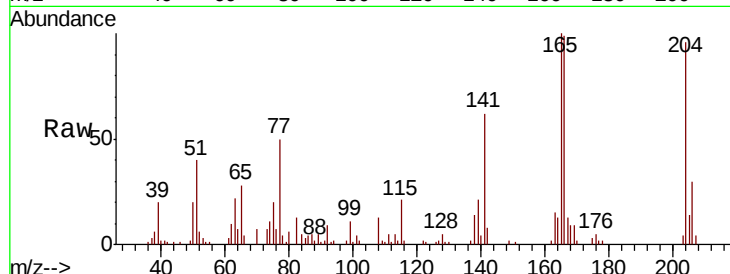




#61
4-Chlorophenyl-phenylether
Concen: 3.515 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

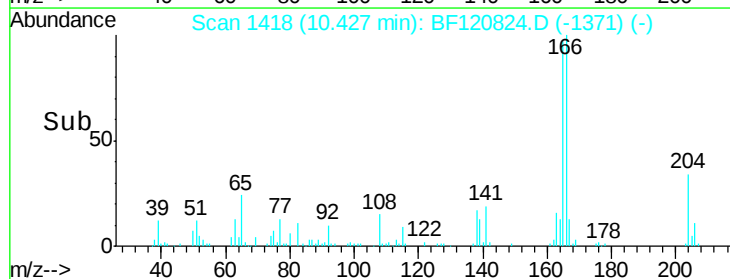
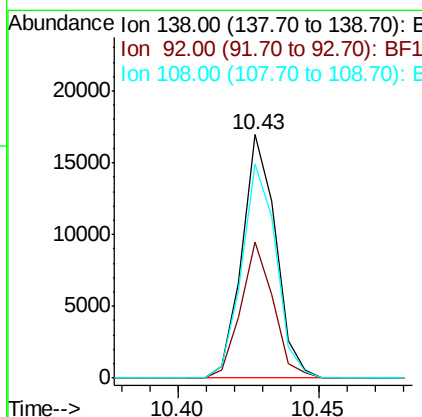
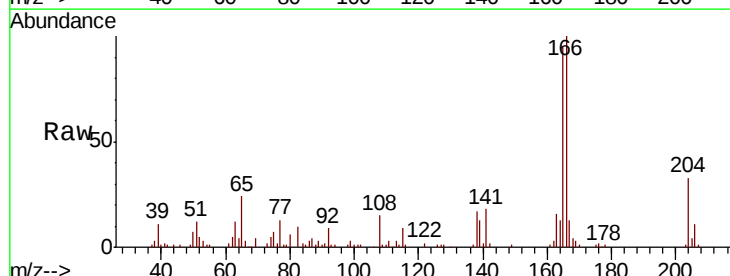
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

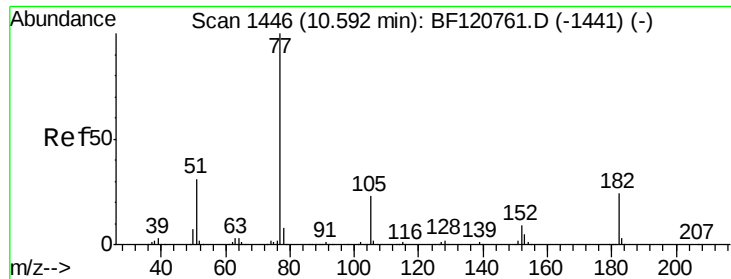
Tot Ion:204 Resp: 36510
Ion Ratio Lower Upper
204 100
206 31.2 26.7 40.1
141 64.3 48.5 72.7



#62
4-Nitroaniline
Concen: 2.970 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:138 Resp: 14102
Ion Ratio Lower Upper
138 100
92 56.0 34.3 74.3
108 88.0 68.3 108.3





#63

Azobenzene

Concen: 3.379 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

Tot Ion: 77 Resp: 80480

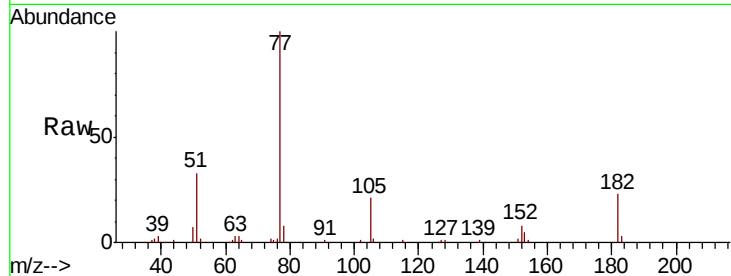
Ion Ratio Lower Upper

77 100

182 22.8 4.0 44.0

105 21.0 2.6 42.6

51 33.2 11.5 51.5

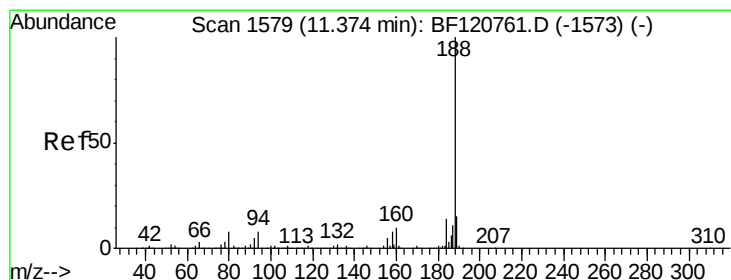
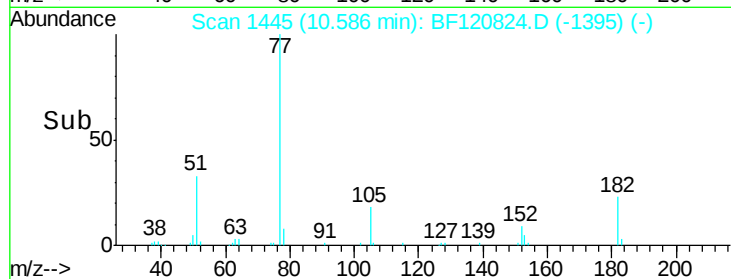
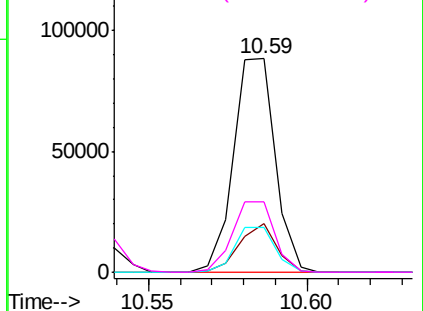


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF120824.D

Acq: 10 Jul 2020 11:11

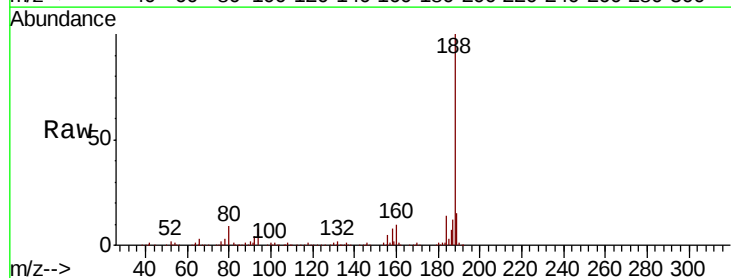
Tgt Ion: 188 Resp: 539553

Ion Ratio Lower Upper

188 100

94 8.5 6.6 9.8

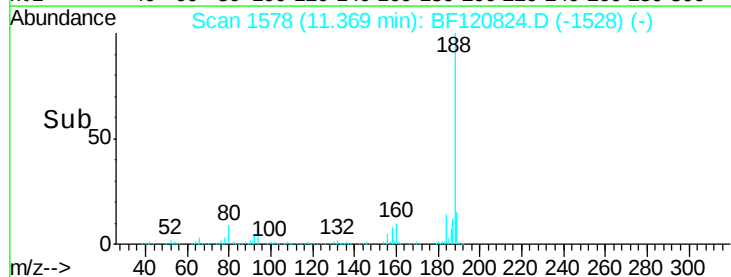
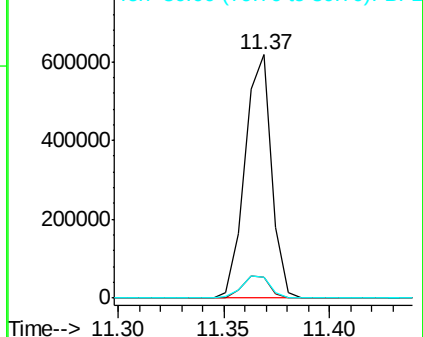
80 8.6 6.6 10.0

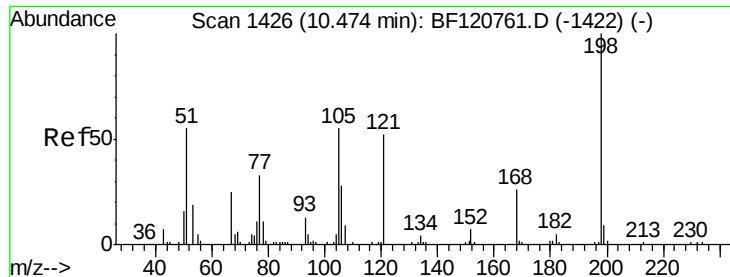


Abundance Ion 188.00 (187.70 to 188.70): BF1

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: 1.802 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

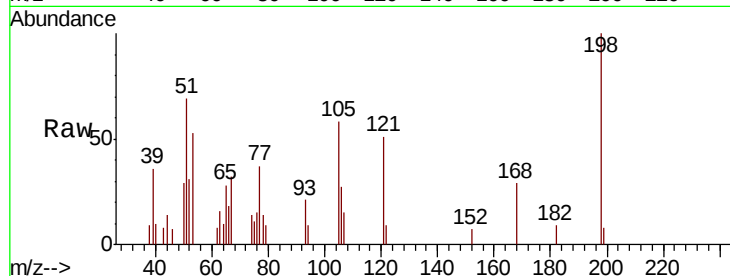
Tot Ion:198 Resp: 3123

Ion Ratio Lower Upper

198 100

51 69.2 50.0 90.0

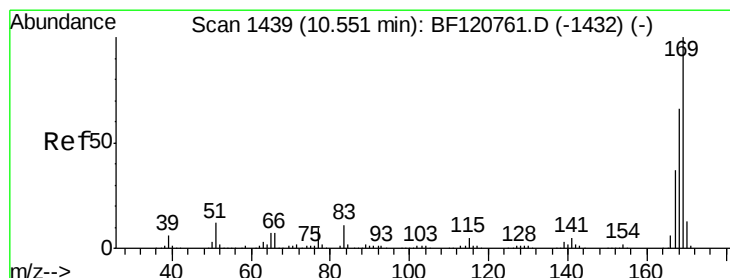
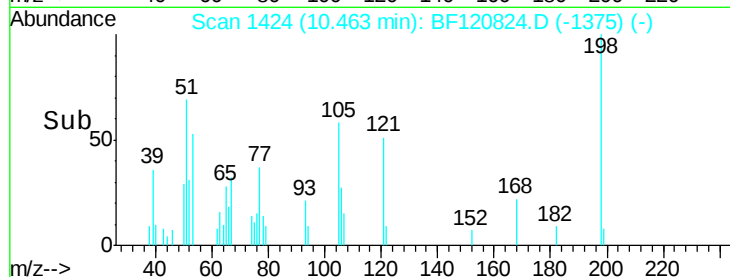
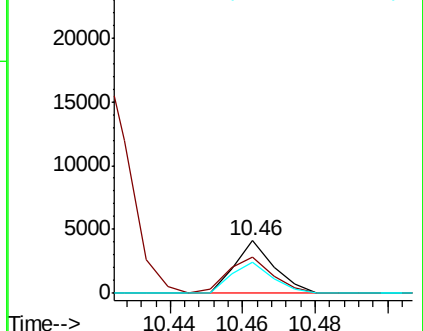
105 57.9 38.3 78.3



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: 3.412 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

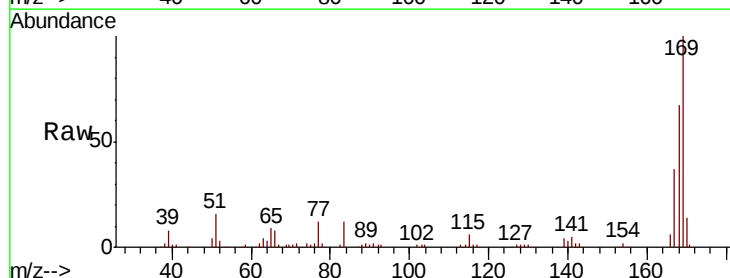
Tgt Ion:169 Resp: 61699

Ion Ratio Lower Upper

169 100

168 67.3 53.1 79.7

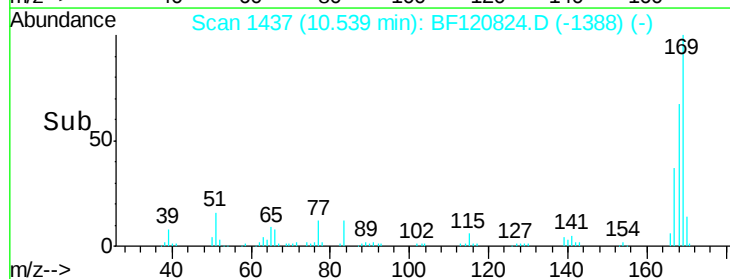
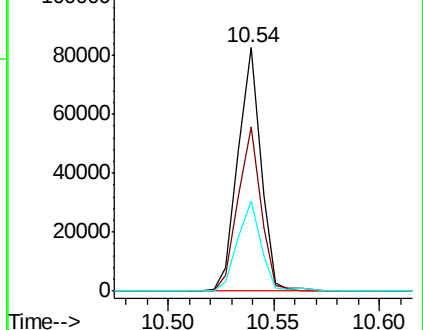
167 37.1 29.6 44.4

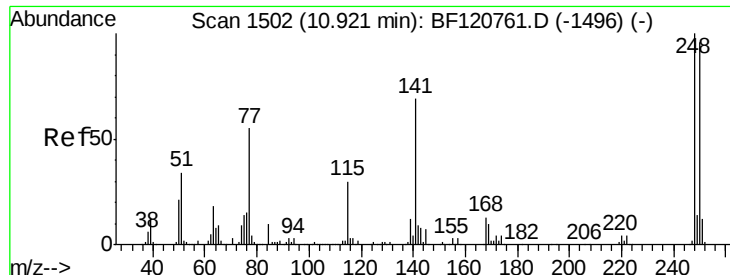


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

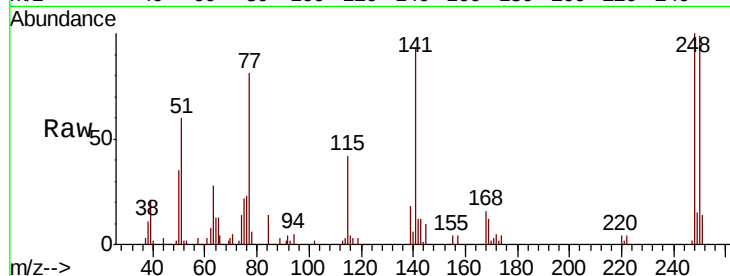




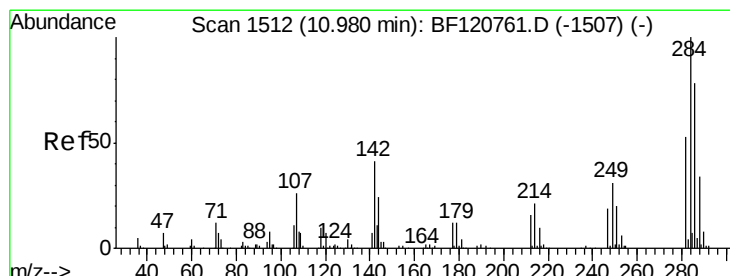
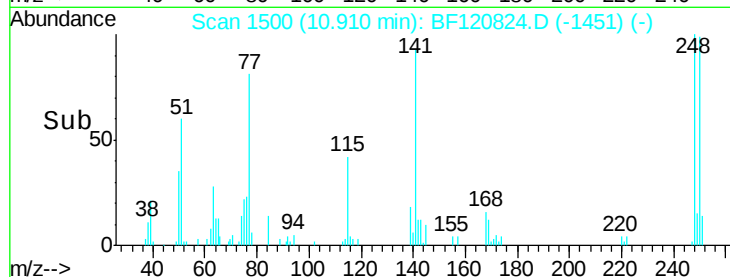
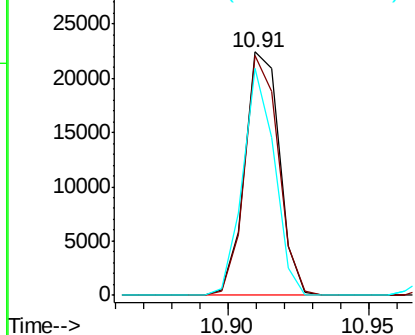
#67
 4-Bromophenyl-phenylether
 Concen: 3.069 ng
 RT: 10.91 min Scan# 1500
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

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

Tot Ion:248 Resp: 19208
 Ion Ratio Lower Upper
 248 100
 250 98.5 76.5 114.7
 141 93.0 54.9 82.3#

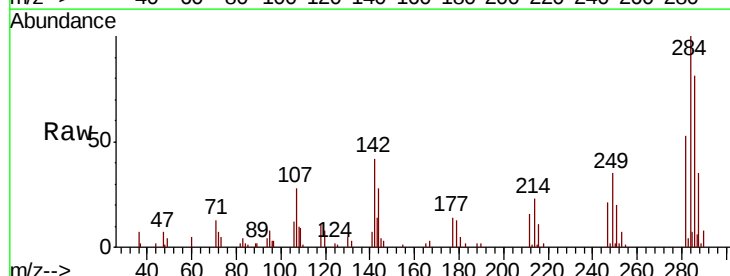


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

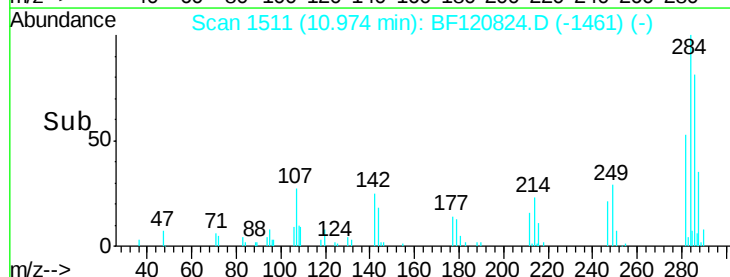
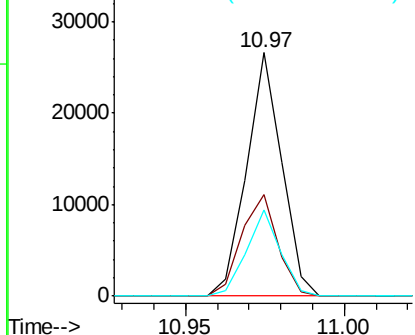


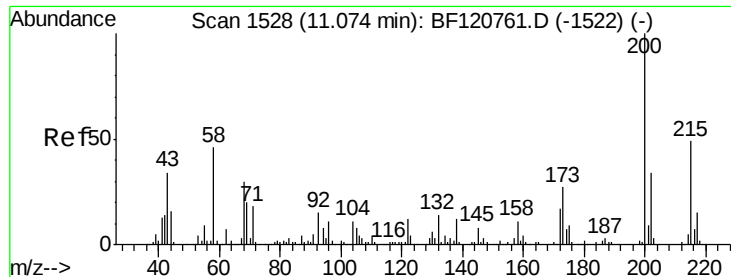
#68
 Hexachlorobenzene
 Concen: 3.112 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion:284 Resp: 20437
 Ion Ratio Lower Upper
 284 100
 142 41.8 32.5 48.7
 249 35.2 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

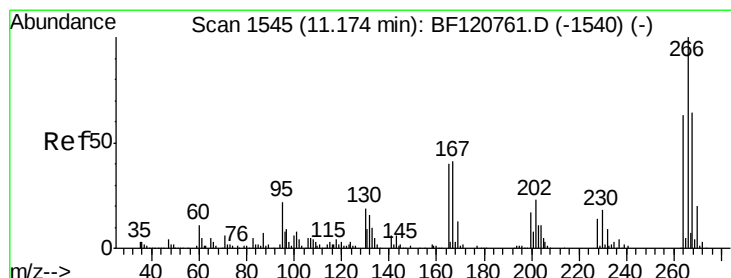
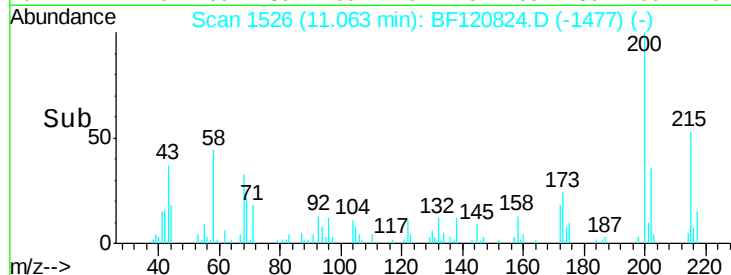
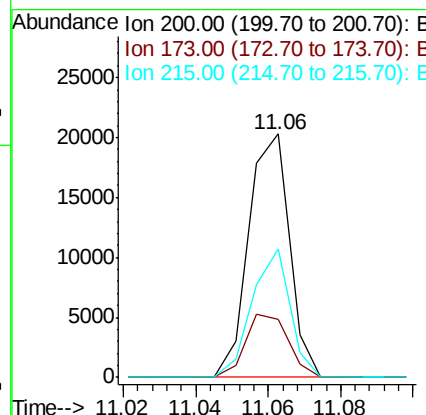
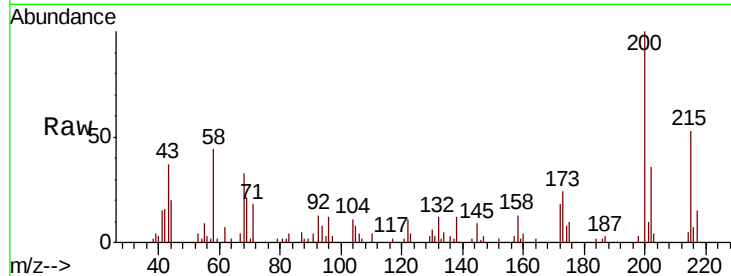




#69
 Atrazine
 Concen: 3.393 ng
 RT: 11.06 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

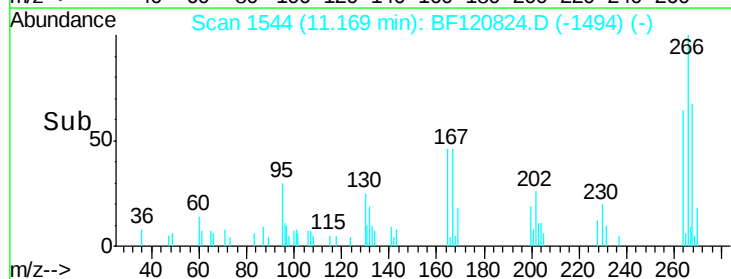
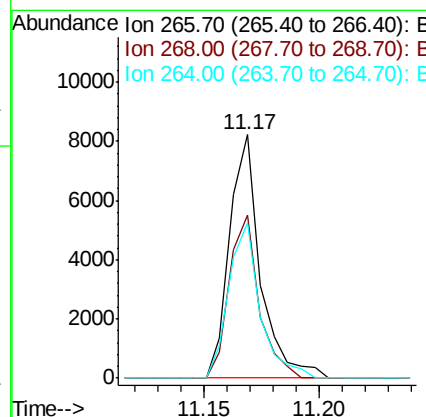
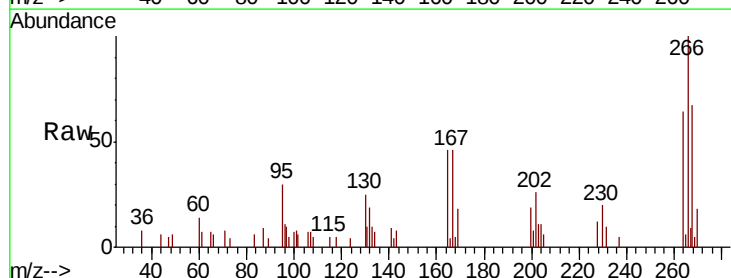
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

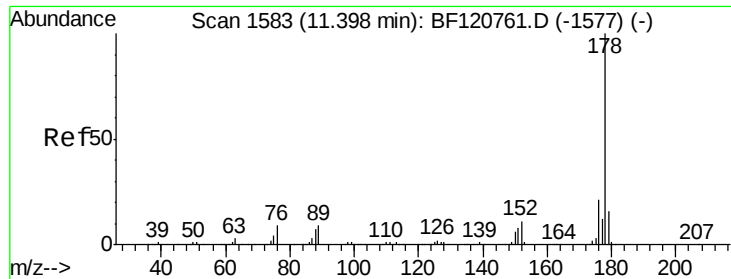
Tot Ion	Ratio	Lower	Upper
200	100		
173	23.8	7.4	47.4
215	52.7	28.8	68.8



#70
 Pentachlorophenol
 Concen: 2.054 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
266	100		
268	71.8	51.4	77.2
264	69.9	50.6	75.8

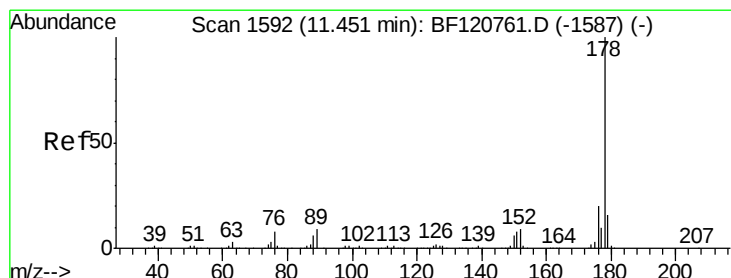
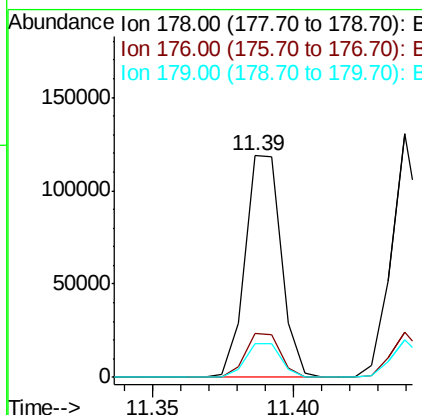
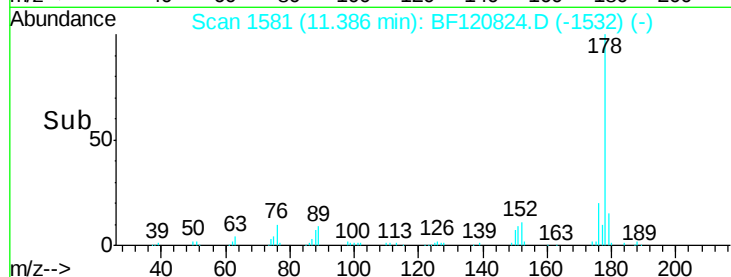
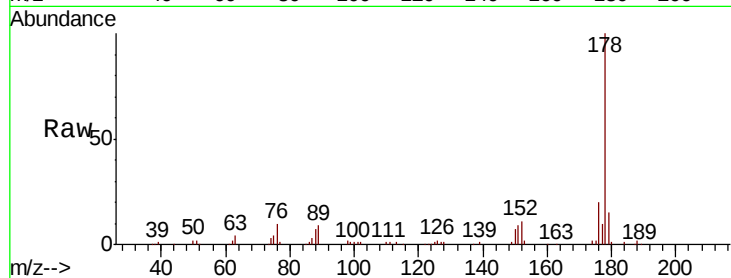




#71
Phenanthrene
Concen: 3.614 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

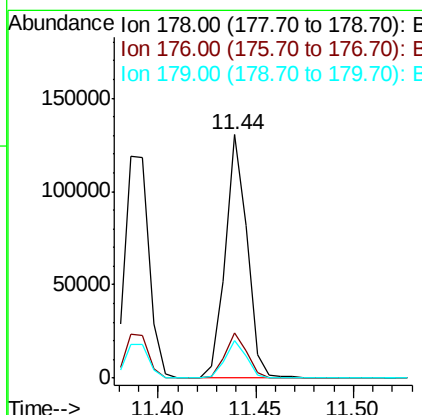
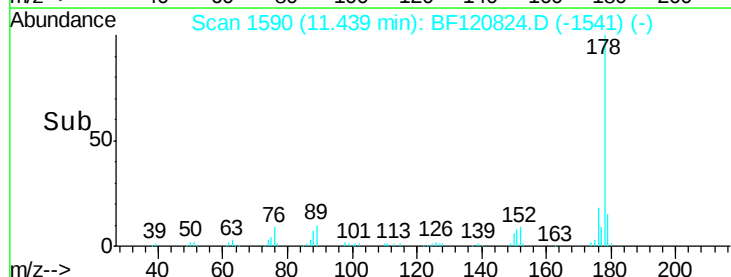
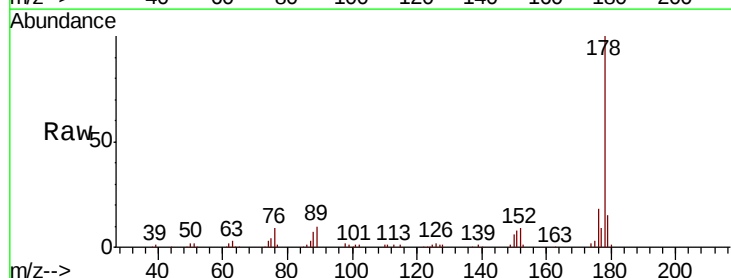
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

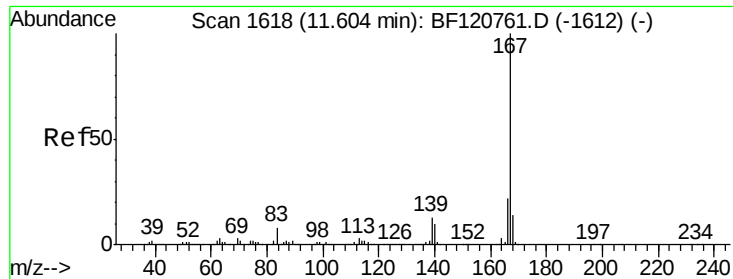
Tot Ion:178 Resp: 105801
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.2 12.9 19.3



#72
Anthracene
Concen: 3.436 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:178 Resp: 101645
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.2
179 15.2 12.7 19.1

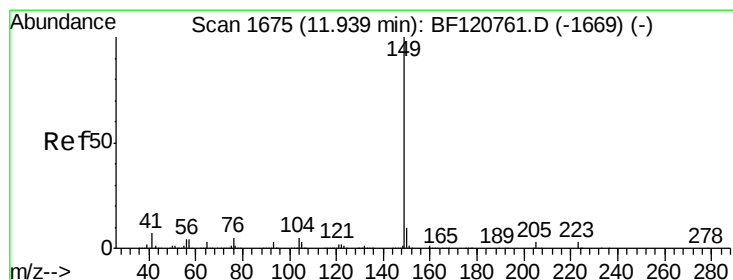
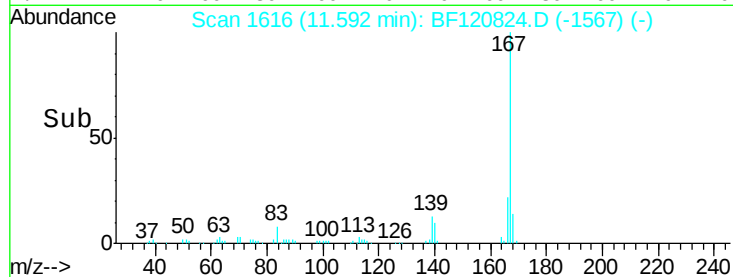
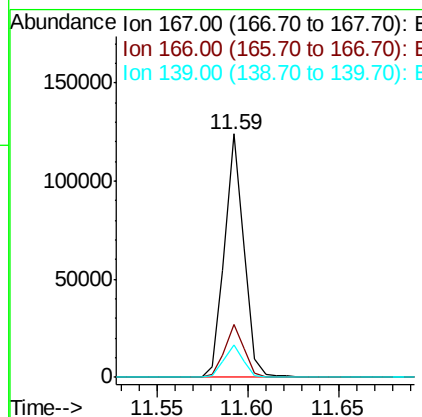
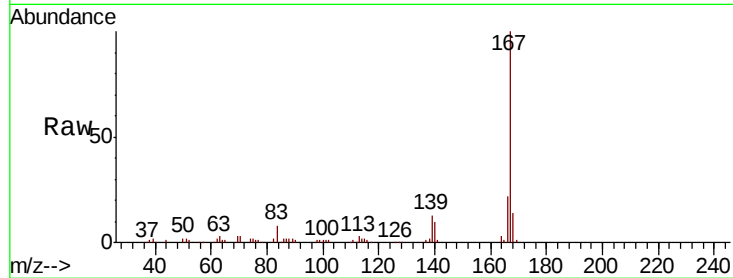




#73
 Carbazole
 Concen: 3.265 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

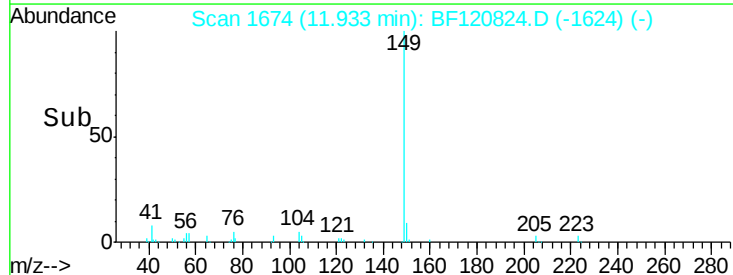
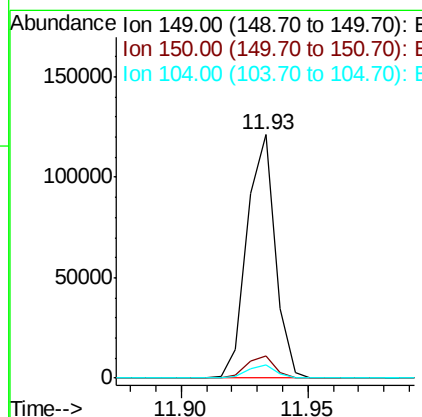
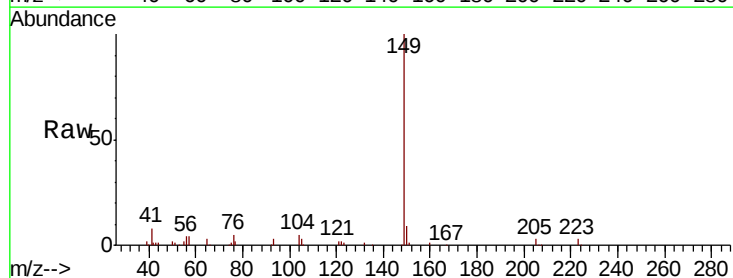
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT3-2020

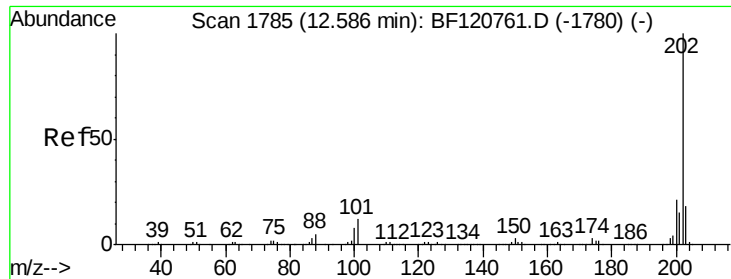
Tot Ion:167 Resp: 92824
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.8
 139 13.4 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 2.675 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion:149 Resp: 94135
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.7 11.5
 104 5.4 4.0 6.0





#75

Fluoranthene

Concen: 3.193 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

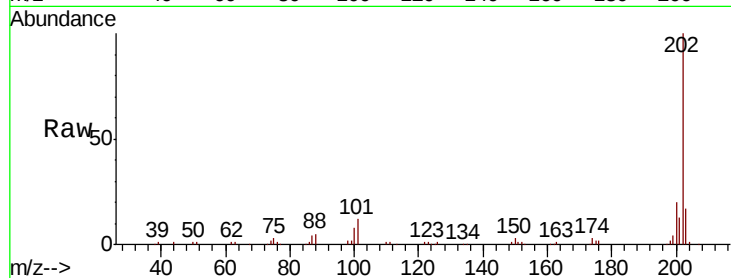
Tot Ion:202 Resp: 99564

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.6

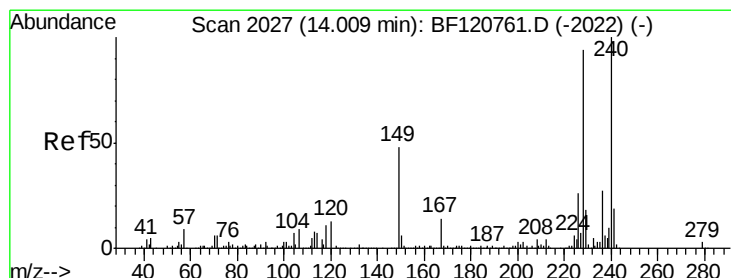
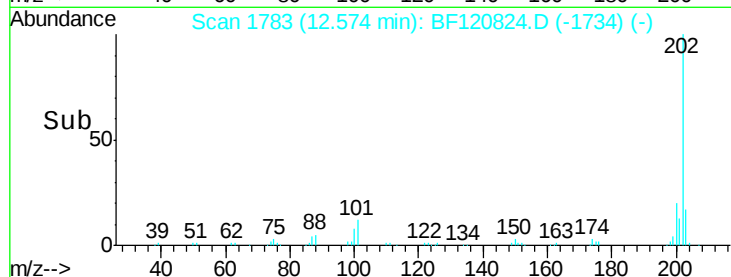
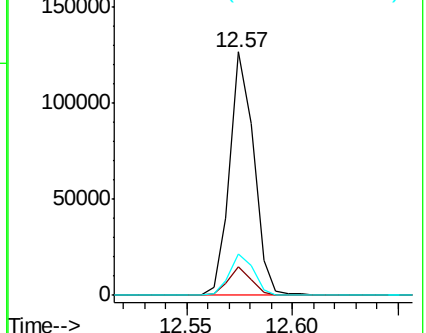
203 17.1 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

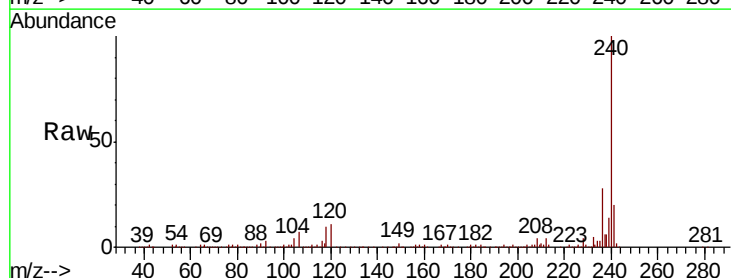
Tgt Ion:240 Resp: 391018

Ion Ratio Lower Upper

240 100

120 10.5 10.3 15.5

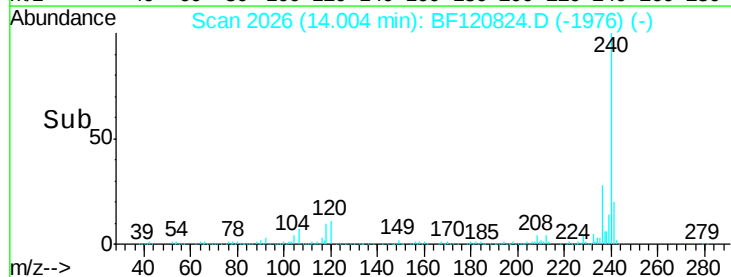
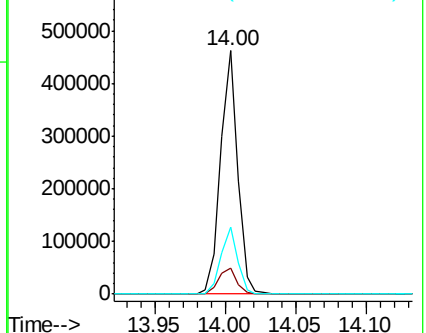
236 27.7 21.4 32.2

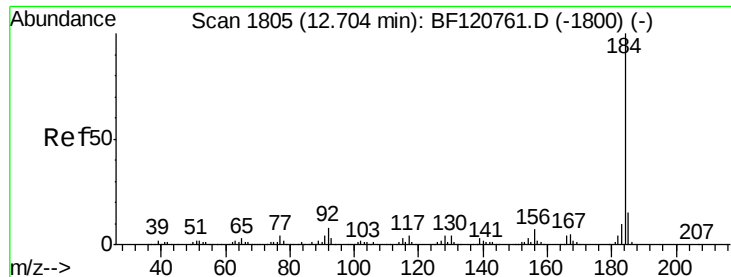


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.752 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

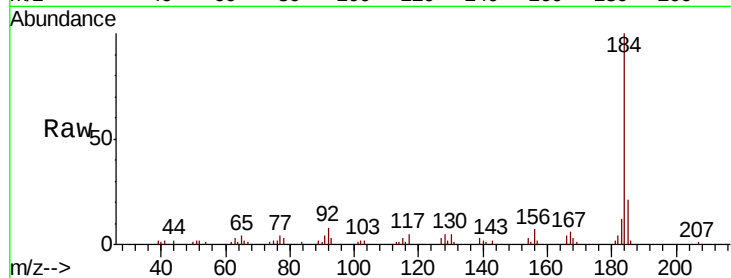
Tot Ion:184 Resp: 30374

Ion Ratio Lower Upper

184 100

185 20.9 11.8 17.8#

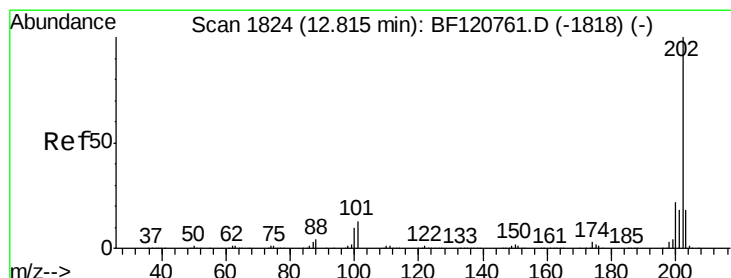
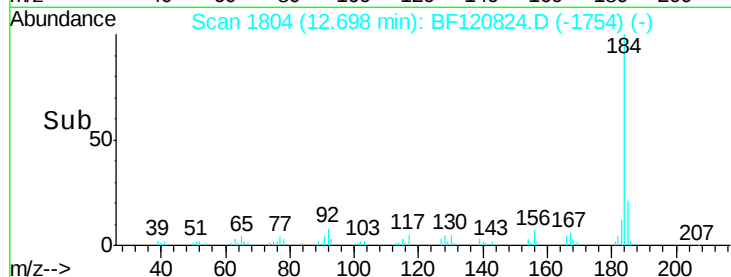
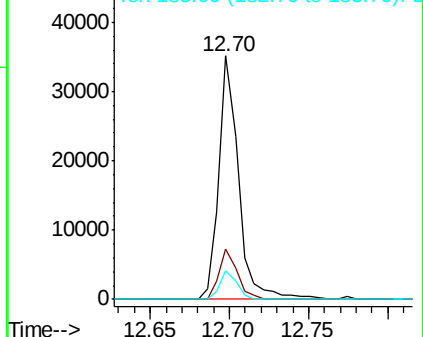
183 11.5 8.3 12.5



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: 3.344 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

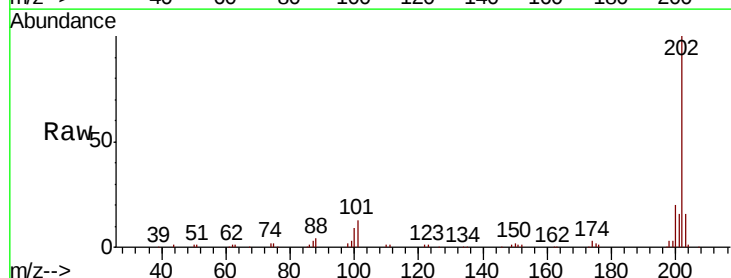
Tgt Ion:202 Resp: 104432

Ion Ratio Lower Upper

202 100

200 19.8 17.3 25.9

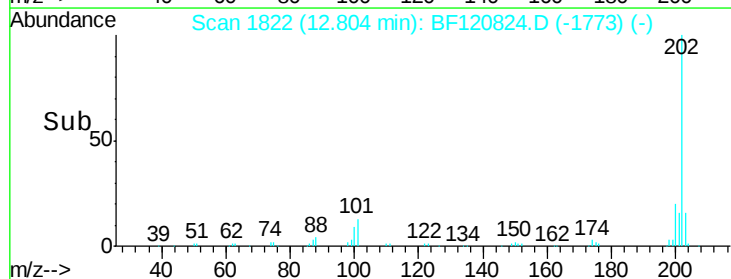
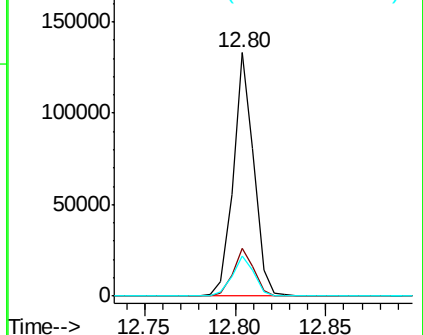
203 16.3 14.6 22.0

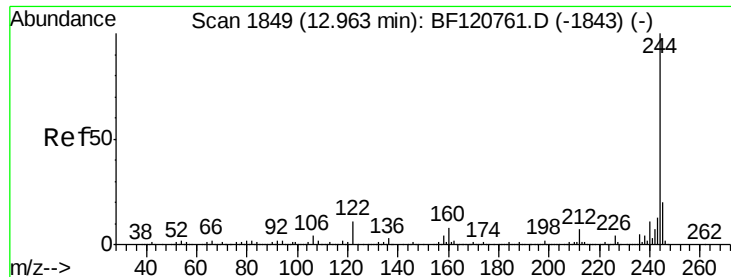


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 59.905 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

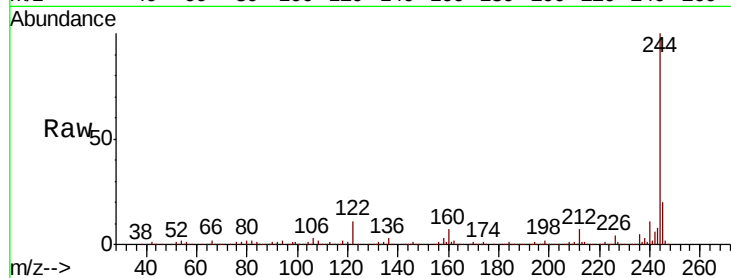
Tot Ion:244 Resp: 1196381

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

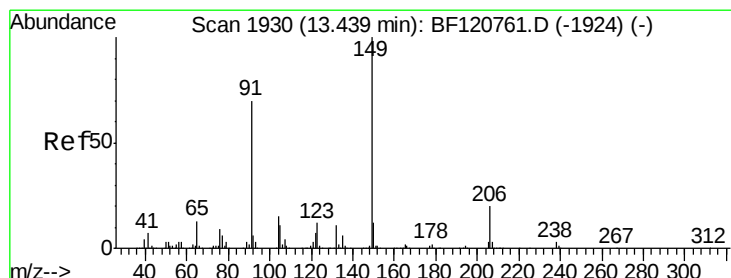
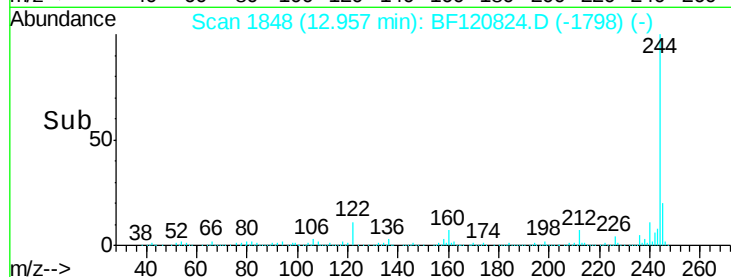
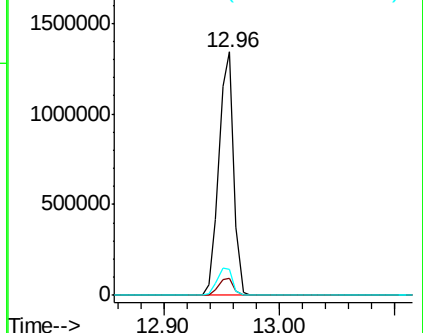
122 10.8 9.0 13.4



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



#80

Butylbenzylphthalate

Concen: 2.117 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

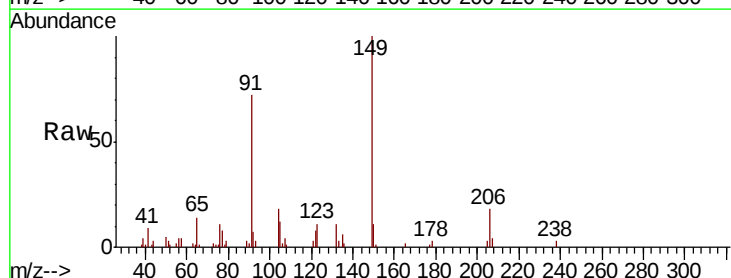
Tgt Ion:149 Resp: 28544

Ion Ratio Lower Upper

149 100

91 71.9 55.8 83.8

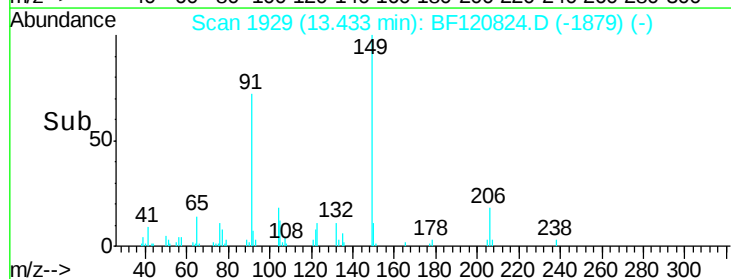
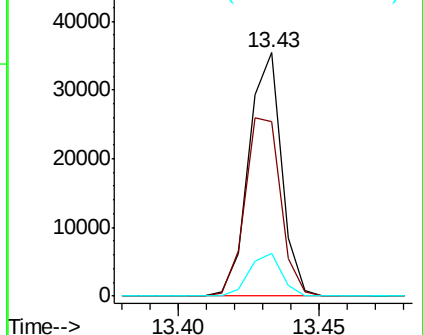
206 17.8 15.7 23.5

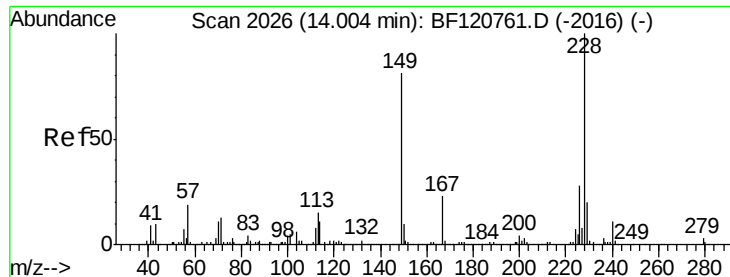


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3.408 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

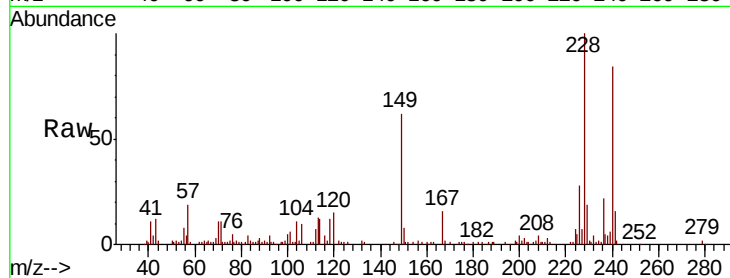
Tot Ion:228 Resp: 85413

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

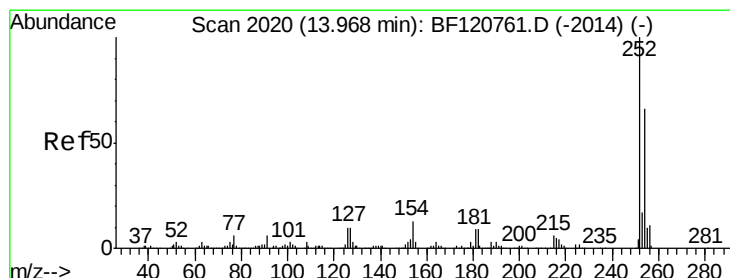
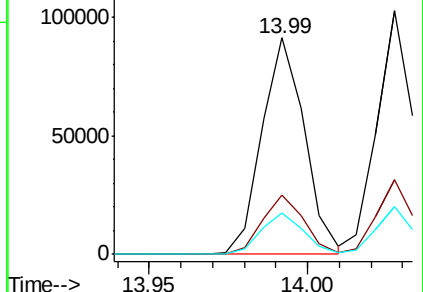
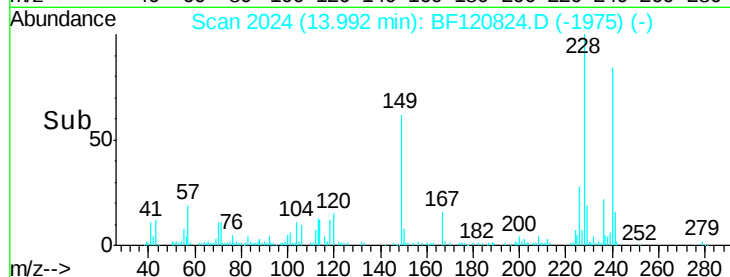
229 19.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 2.650 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

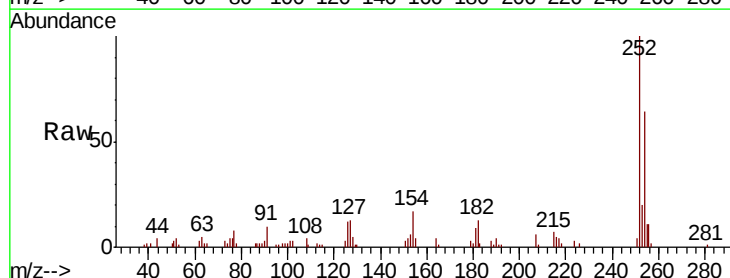
Tgt Ion:252 Resp: 22411

Ion Ratio Lower Upper

252 100

254 64.0 52.6 78.8

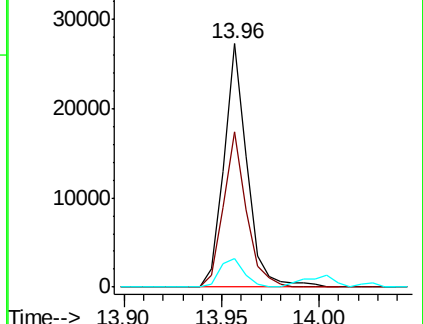
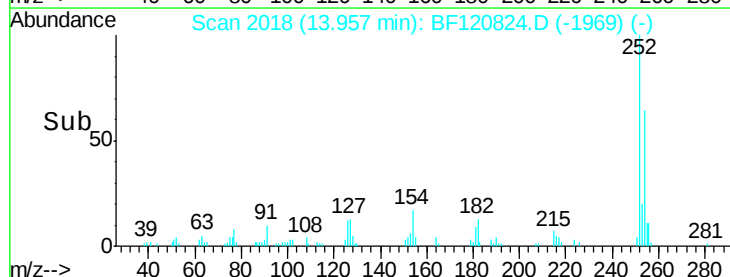
126 11.7 7.8 11.8

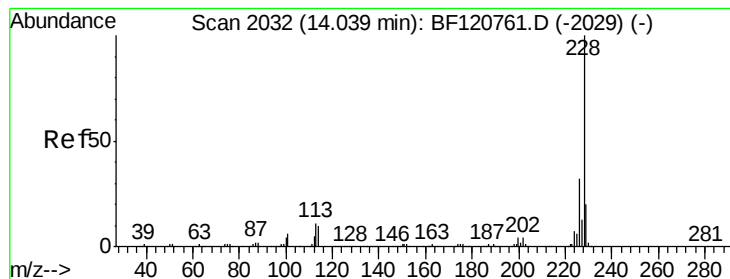


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 3.281 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT3-2020

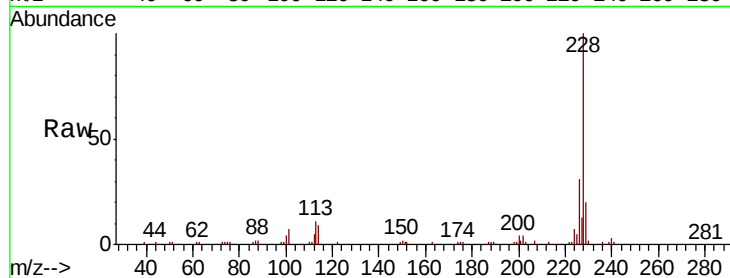
Tot Ion:228 Resp: 83881

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.7	38.5
229	19.7	16.3	24.5

228 100

226 30.8 25.7 38.5

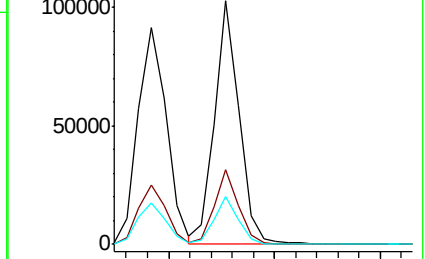
229 19.7 16.3 24.5



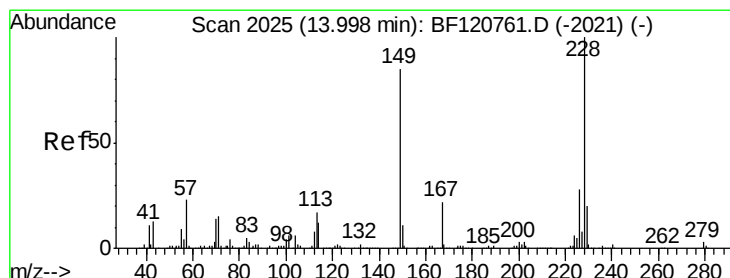
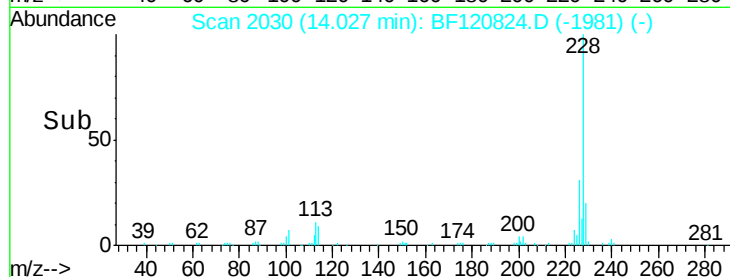
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.588 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120824.D

Acq: 10 Jul 2020 11:11

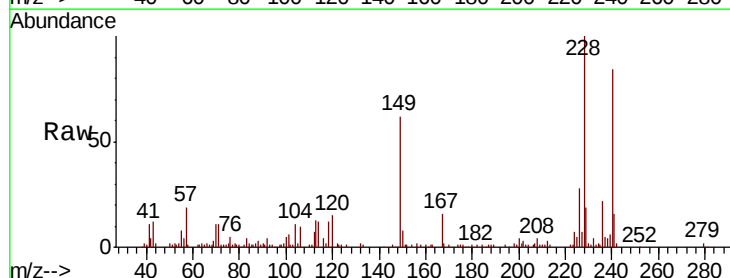
Tgt Ion:149 Resp: 45755

Ion	Ratio	Lower	Upper
149	100		
167	25.8	20.9	31.3
279	2.7	2.6	4.0

149 100

167 25.8 20.9 31.3

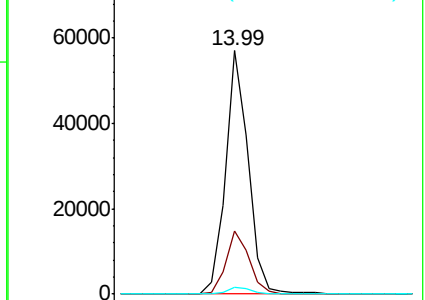
279 2.7 2.6 4.0



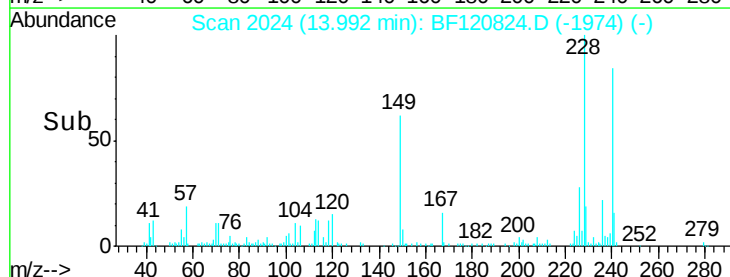
Abundance Ion 149.00 (148.70 to 149.70): E

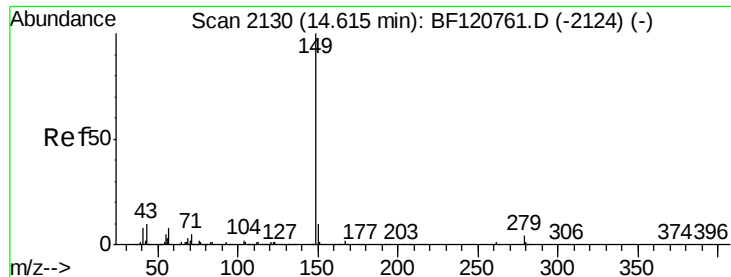
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

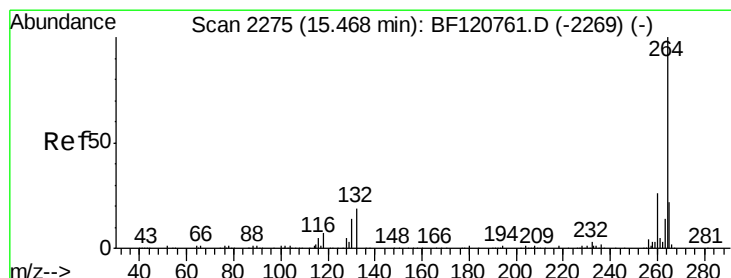
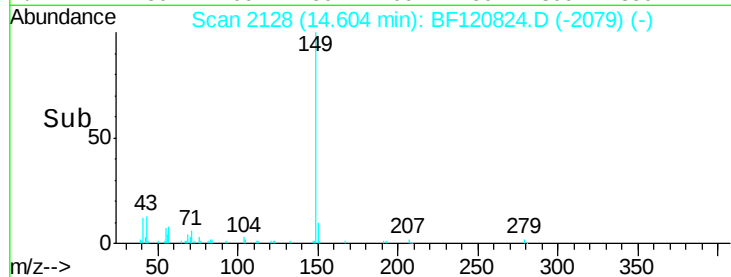
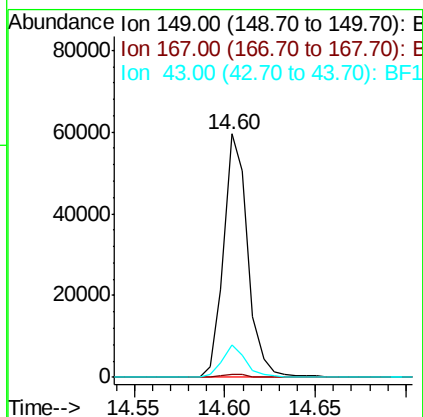
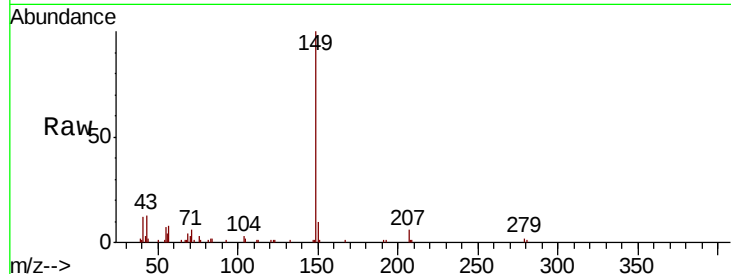




#85
Di-n-octyl phthalate
Concen: 1.770 ng
RT: 14.60 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

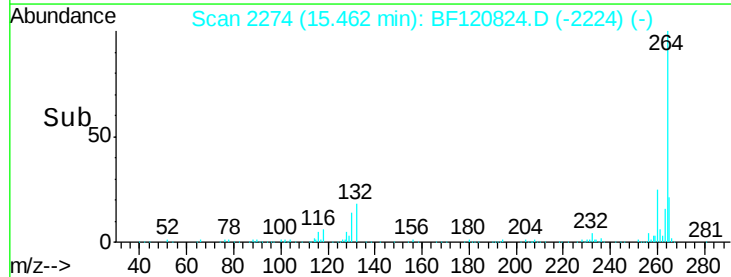
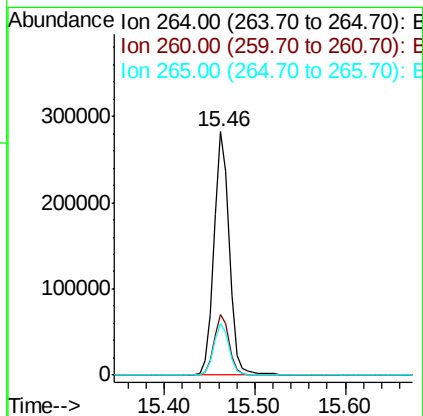
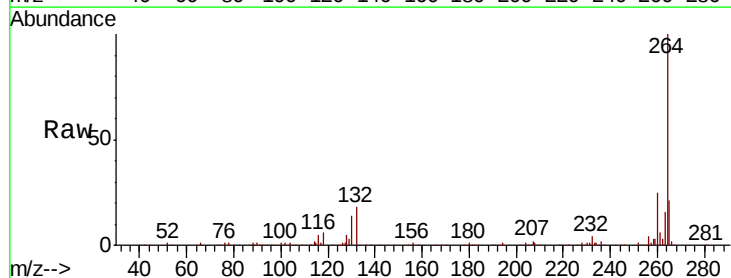
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

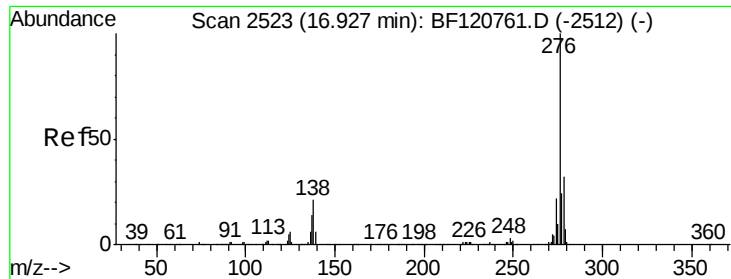
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.1	1.2	1.8#
43	13.1	8.7	13.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.6	30.8
265	21.0	17.6	26.4

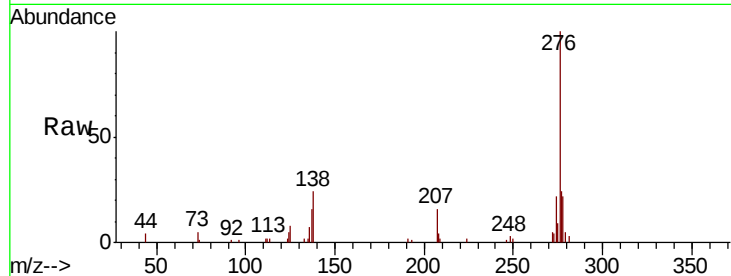




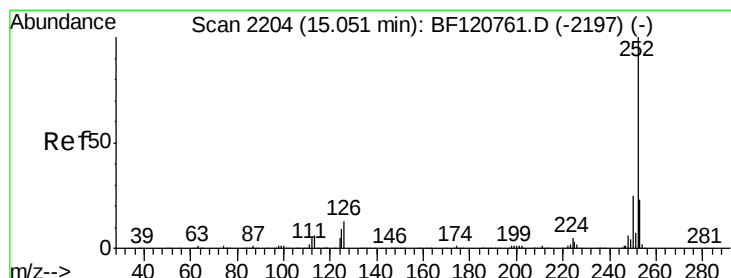
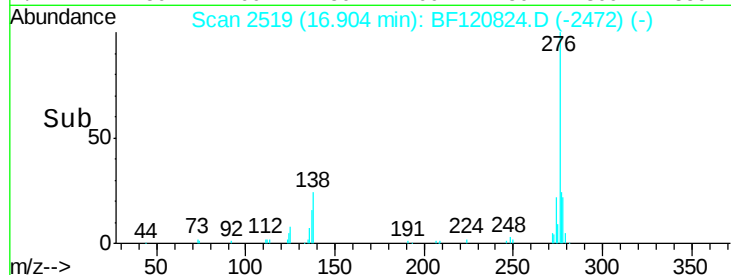
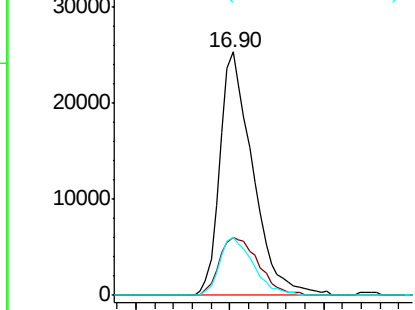
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.914 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	19.8	29.8
277	24.3	19.9	29.9

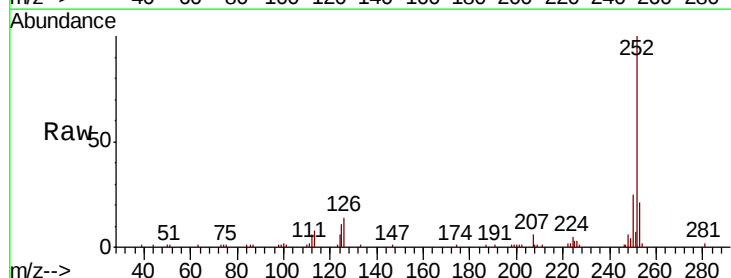


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

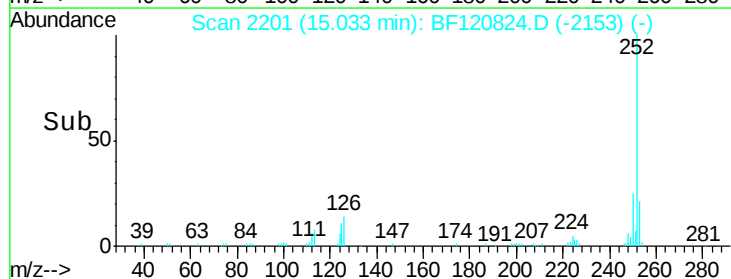
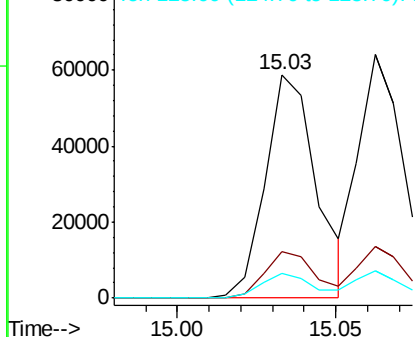


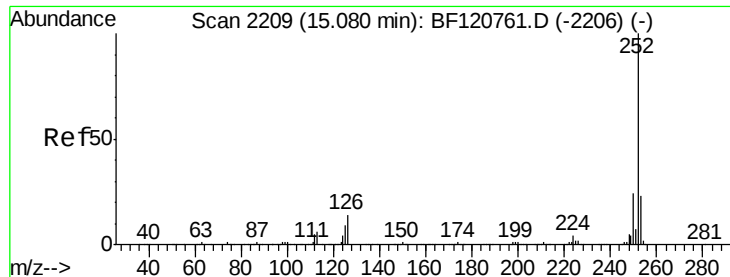
#88
 Benzo(b)fluoranthene
 Concen: 3.032 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.02 min
 Lab File: BF120824.D
 Acq: 10 Jul 2020 11:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.0	27.0
125	11.1	7.5	11.3



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

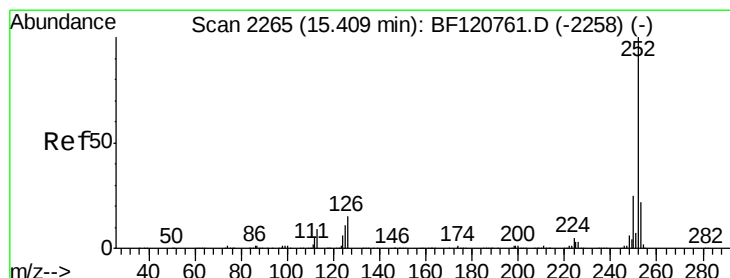
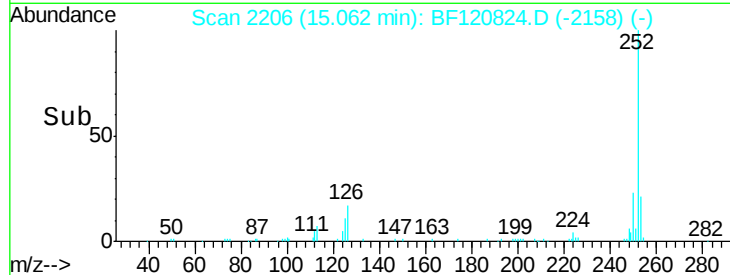
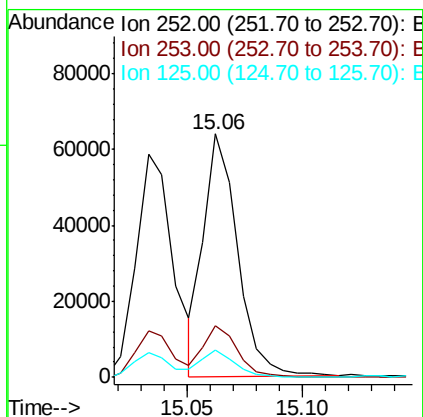
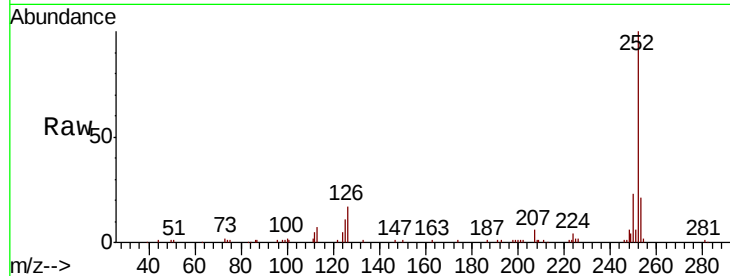




#89
Benzo(k)fluoranthene
Concen: 3.075 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

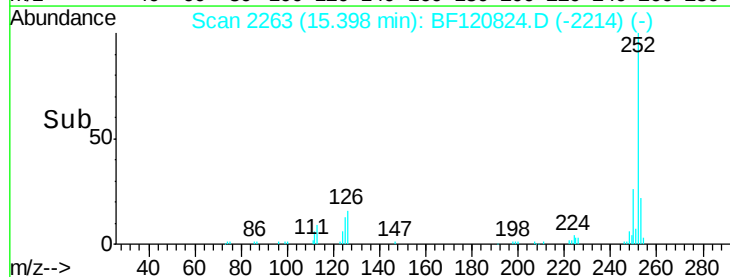
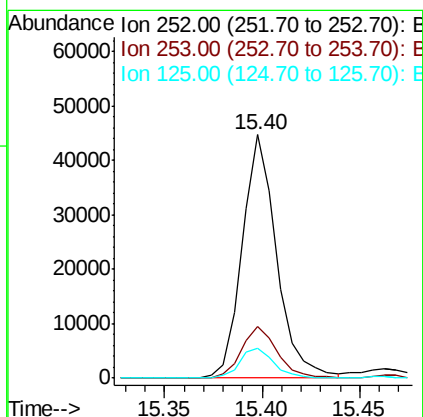
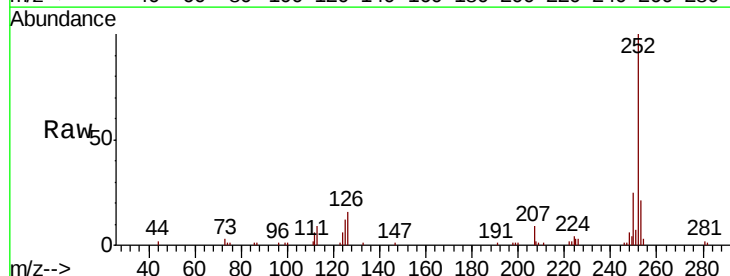
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT3-2020

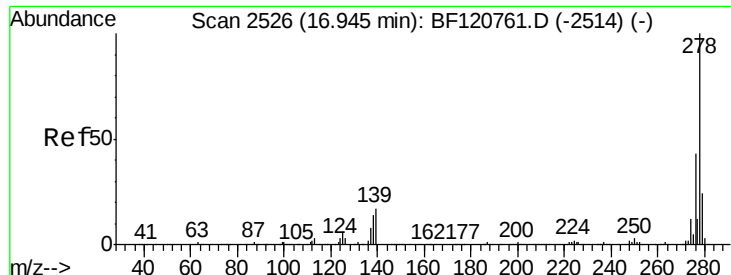
Tot Ion:252 Resp: 65189
Ion Ratio Lower Upper
252 100
253 21.3 17.9 26.9
125 11.4 7.6 11.4



#90
Benzo(a)pyrene
Concen: 2.813 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:252 Resp: 54682
Ion Ratio Lower Upper
252 100
253 21.3 17.4 26.0
125 12.5 9.2 13.8

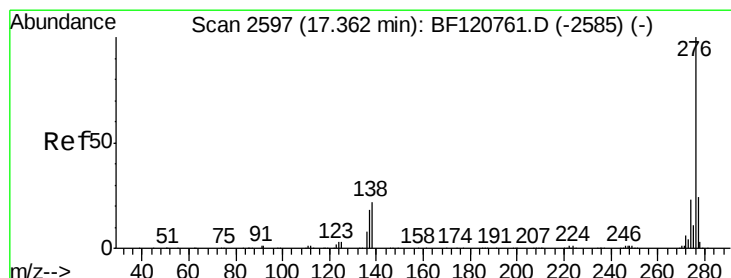
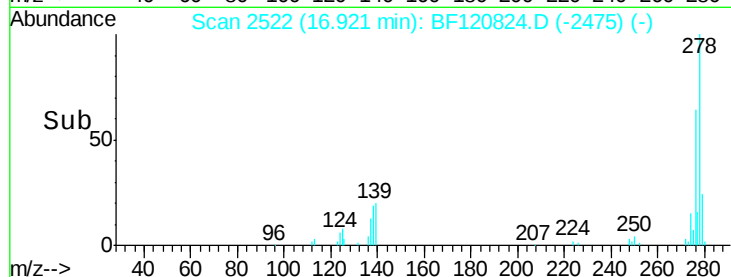
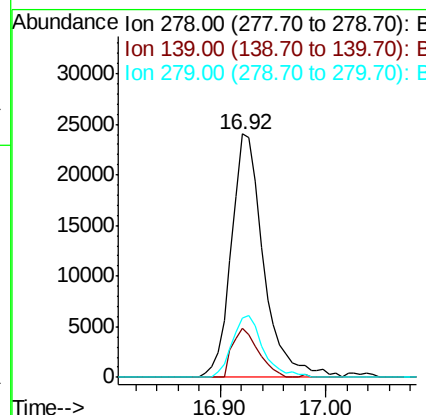
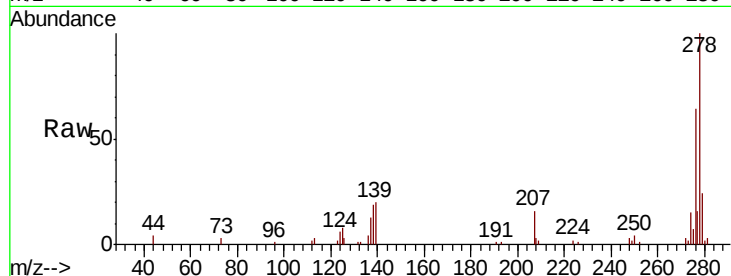




#91
Dibenzo(a,h)anthracene
Concen: 2.870 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.02 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

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

Tot Ion:278 Resp: 50846
Ion Ratio Lower Upper
278 100
139 19.9 13.3 19.9
279 24.3 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 3.292 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.03 min
Lab File: BF120824.D
Acq: 10 Jul 2020 11:11

Tgt Ion:276 Resp: 53302
Ion Ratio Lower Upper
276 100
277 25.5 18.8 28.2
138 21.3 17.4 26.2

