

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120810.D
 Acq On : 9 Jul 2020 11:04
 Operator : JU/CG
 Sample : L3216-01
 Misc : L00-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 09 11:43:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	134582	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	499562	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	244407	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	423327	20.00	ng	0.00
76) Chrysene-d12	14.00	240	309741	20.00	ng	0.00
86) Perylene-d12	15.46	264	258694	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	862619	98.94	ng	0.00
7) Phenol-d6	6.47	99	1085944	97.54	ng	0.00
23) Nitrobenzene-d5	7.41	82	673009	78.05	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	251026	102.23	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1241838	76.87	ng	0.00
79) Terphenyl-d14	12.96	244	991226	62.66	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.59	88	20689	5.195	ng	94
3) Pyridine	3.38	79	33826	3.101	ng	98
4) n-Nitrosodimethylamine	3.26	42	22468	4.117	ng	# 97
6) Aniline	6.50	93	63227	4.422	ng	100
8) 2-Chlorophenol	6.63	128	40887	4.405	ng	94
9) Benzaldehyde	6.39	77	35593	5.375	ng	94
10) Phenol	6.48	94	52401	4.575	ng	92
11) bis(2-Chloroethyl)ether	6.58	93	40267	4.320	ng	99
12) 1,3-Dichlorobenzene	6.79	146	46113	4.513	ng	97
13) 1,4-Dichlorobenzene	6.86	146	45380	4.435	ng	99
14) 1,2-Dichlorobenzene	7.02	146	43305	4.448	ng	98
15) Benzyl Alcohol	6.98	79	32599	3.897	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	60716	4.177	ng	99
17) 2-Methylphenol	7.09	107	31555	3.800	ng	95
18) Hexachloroethane	7.36	117	16308	4.240	ng	96
19) n-Nitroso-di-n-propylamine	7.25	70	28194	4.206	ng	97
20) 3+4-Methylphenols	7.24	107	40969	4.006	ng	98
22) Acetophenone	7.25	105	60693	4.888	ng	# 87
24) Nitrobenzene	7.42	77	47182	4.874	ng	96
25) Isophorone	7.66	82	73833	3.971	ng	94
26) 2-Nitrophenol	7.74	139	12269	3.467	ng	93
27) 2,4-Dimethylphenol	7.77	122	33444	4.506	ng	100
28) bis(2-Chloroethoxy)methane	7.87	93	47926	4.355	ng	# 96
29) 2,4-Dichlorophenol	7.97	162	29190	3.939	ng	94
30) 1,2,4-Trichlorobenzene	8.07	180	35836	4.306	ng	98
31) Naphthalene	8.15	128	122027	4.571	ng	98
32) Benzoic acid	7.82	122	8487	2.113	ng	95
33) 4-Chloroaniline	8.19	127	45225	3.992	ng	95
34) Hexachlorobutadiene	8.27	225	20624	4.120	ng	98
35) Caprolactam	8.52	113	7222	3.345	ng	99
36) 4-Chloro-3-methylphenol	8.66	107	29632	3.844	ng	93
37) 2-Methylnaphthalene	8.84	142	75774	4.366	ng	98
38) 1-Methylnaphthalene	8.94	142	72762	4.476	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	34016	4.605	ng	98

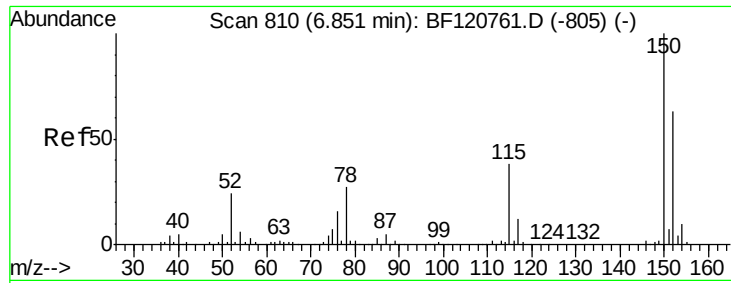
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120810.D
 Acq On : 9 Jul 2020 11:04
 Operator : JU/CG
 Sample : L3216-01
 Misc : L00-SOIL-5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 09 11:43:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 11:36:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	15025	3.443	ng	99
43) 2,4,6-Trichlorophenol	9.12	196	17244	3.426	ng	91
44) 2,4,5-Trichlorophenol	9.15	196	20114	3.601	ng	# 89
46) 1,1'-Biphenyl	9.30	154	97504	4.946	ng	98
47) 2-Chloronaphthalene	9.33	162	68559	4.341	ng	98
48) 2-Nitroaniline	9.42	65	15990	3.784	ng	85
49) Acenaphthylene	9.74	152	106158	4.287	ng	97
50) Dimethylphthalate	9.60	163	74282	4.166	ng	99
51) 2,6-Dinitrotoluene	9.66	165	12606	3.914	ng	90
52) Acenaphthene	9.92	154	63862	4.157	ng	96
53) 3-Nitroaniline	9.82	138	14784	3.715	ng	98
54) 2,4-Dinitrophenol	9.93	184	1369	1.287	ng	# 29
55) Dibenzofuran	10.09	168	98780	4.461	ng	97
56) 4-Nitrophenol	9.97	139	8357	2.859	ng	89
57) 2,4-Dinitrotoluene	10.06	165	13728	3.550	ng	95
58) Fluorene	10.43	166	74100	4.496	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	15583	3.749	ng	90
60) Diethylphthalate	10.30	149	72592	3.909	ng	97
61) 4-Chlorophenyl-phenylether	10.42	204	35346	4.266	ng	94
62) 4-Nitroaniline	10.43	138	13806	3.645	ng	97
63) Azobenzene	10.58	77	79918	4.206	ng	92
65) 4,6-Dinitro-2-methylphenol	10.46	198	2693	1.980	ng	98
66) n-Nitrosodiphenylamine	10.54	169	60886	4.291	ng	100
67) 4-Bromophenyl-phenylether	10.91	248	18749	3.818	ng	# 83
68) Hexachlorobenzene	10.97	284	20545	3.987	ng	97
69) Atrazine	11.06	200	15727	4.302	ng	98
70) Pentachlorophenol	11.17	266	7461	2.559	ng	97
71) Phenanthrene	11.39	178	102799	4.476	ng	97
72) Anthracene	11.44	178	99992	4.308	ng	98
73) Carbazole	11.59	167	90161	4.042	ng	97
74) Di-n-butylphthalate	11.93	149	94958	3.439	ng	98
75) Fluoranthene	12.57	202	96714	3.953	ng	98
77) Benzidine	12.70	184	30724	3.514	ng	# 92
78) Pyrene	12.80	202	100917	4.079	ng	98
80) Butylbenzylphthalate	13.43	149	28857	2.702	ng	97
81) Benzo(a)anthracene	13.99	228	84998	4.281	ng	98
82) 3,3'-Dichlorobenzidine	13.96	252	21955	3.277	ng	# 95
83) Chrysene	14.03	228	81404	4.019	ng	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	46161	3.296	ng	# 99
85) Di-n-octyl phthalate	14.60	149	54968	2.219	ng	96
87) Indeno(1,2,3-cd)pyrene	16.90	276	58260	3.511	ng	97
88) Benzo(b)fluoranthene	15.03	252	63917	3.758	ng	# 96
89) Benzo(k)fluoranthene	15.06	252	64107	3.874	ng	# 98
90) Benzo(a)pyrene	15.40	252	52855	3.484	ng	100
91) Dibenzo(a,h)anthracene	16.93	278	49117	3.552	ng	96
92) Benzo(g,h,i)perylene	17.34	276	48910	3.870	ng	98

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

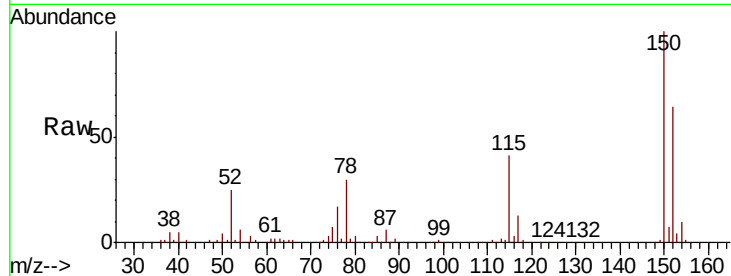


#1

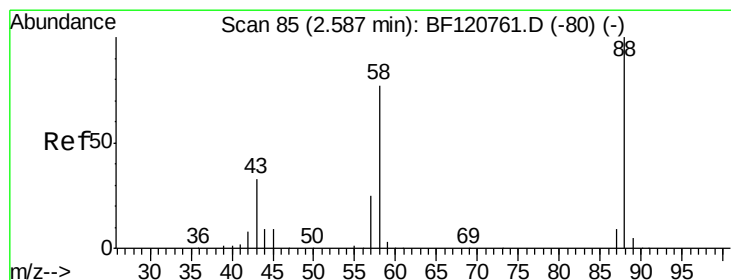
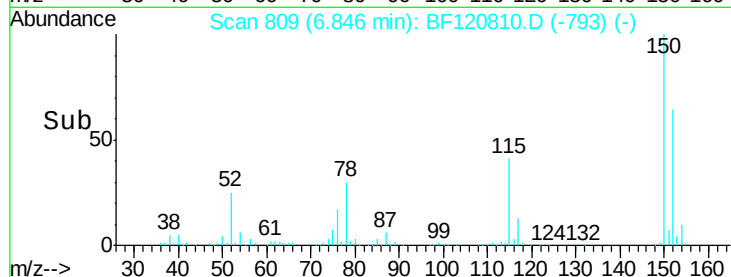
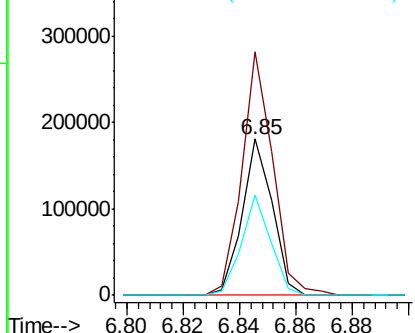
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:152 Resp: 134582
Ion Ratio Lower Upper
152 100
150 155.5 126.1 189.1
115 63.7 48.5 72.7



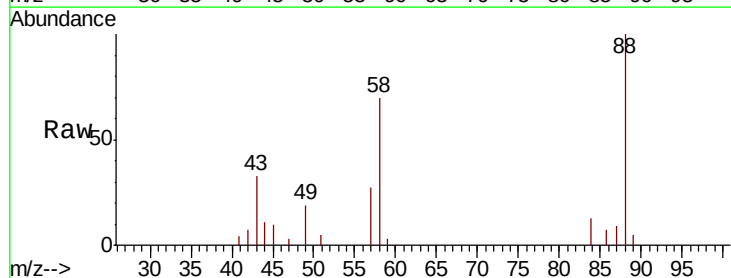
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



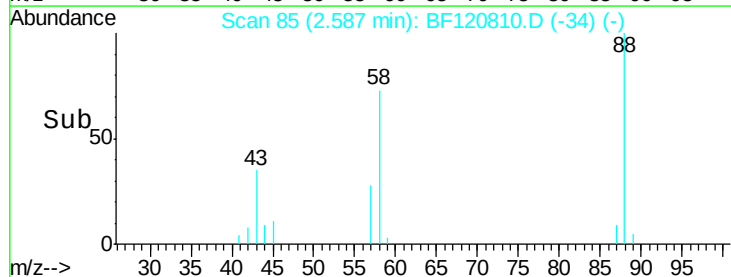
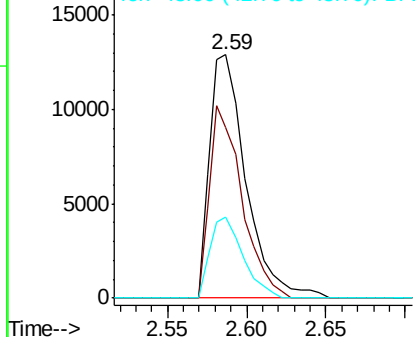
#2

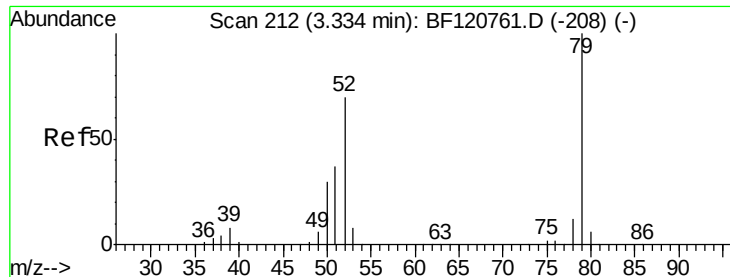
1,4-Dioxane
Concen: 5.195 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.00 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion: 88 Resp: 20689
Ion Ratio Lower Upper
88 100
58 70.0 60.4 90.6
43 30.2 26.3 39.5



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





#3

Pvridine

Concen: 3.101 ng

RT: 3.38 min Scan# 220

Delta R.T. 0.05 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

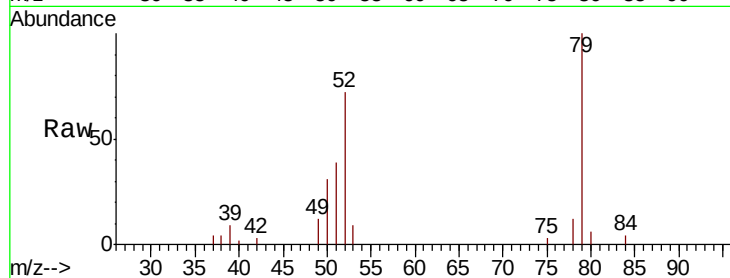
Tot Ion: 79 Resp: 33826

Ion Ratio Lower Upper

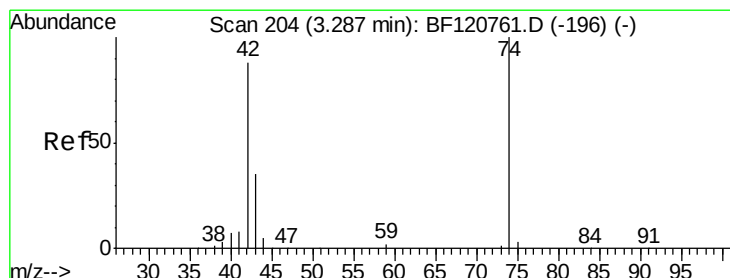
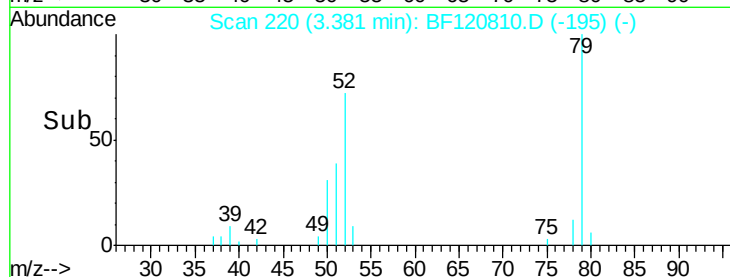
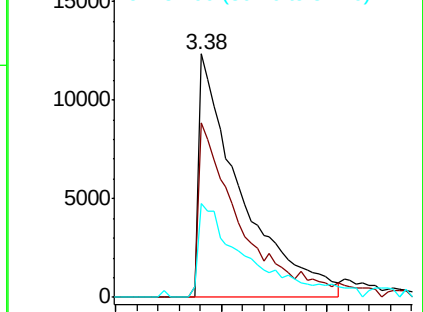
79 100

52 71.9 56.3 84.5

51 38.5 30.1 45.1



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 4.117 ng

RT: 3.26 min Scan# 200

Delta R.T. -0.02 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

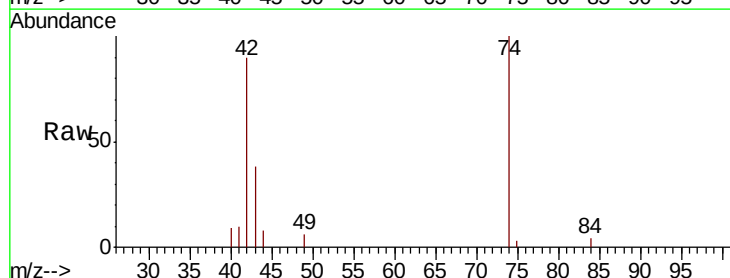
Tgt Ion: 42 Resp: 22468

Ion Ratio Lower Upper

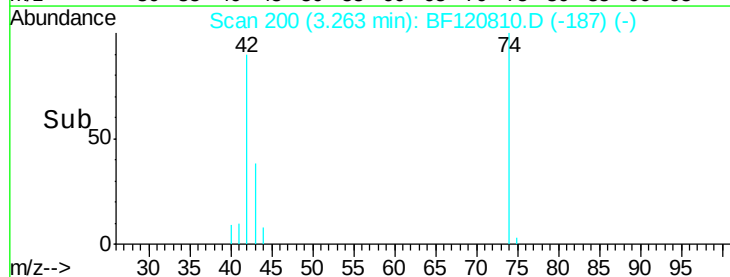
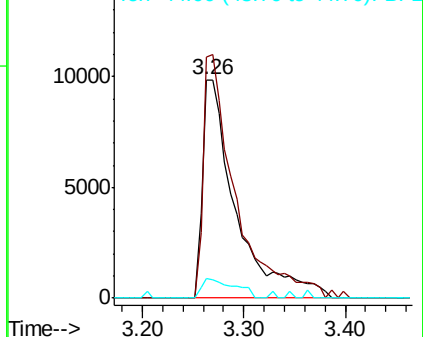
42 100

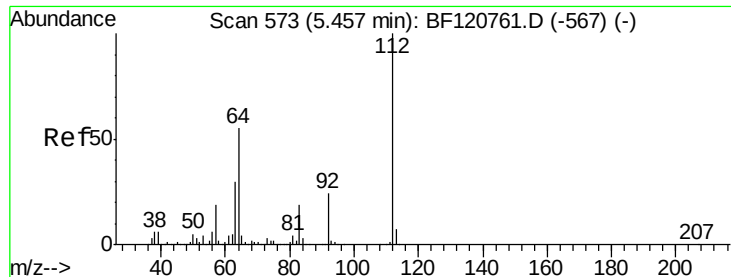
74 110.6 90.8 136.2

44 9.2 5.8 8.8#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 98.942 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

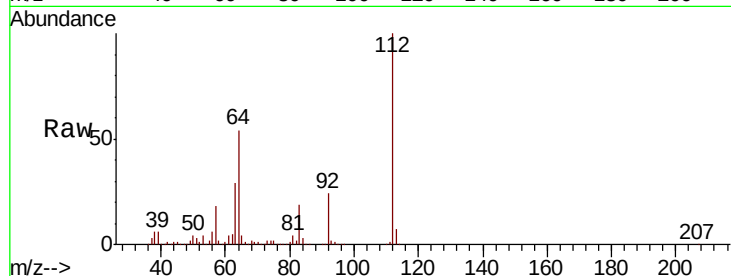
Tot Ion:112 Resp: 862619

Ion Ratio Lower Upper

112 100

64 54.1 43.8 65.6

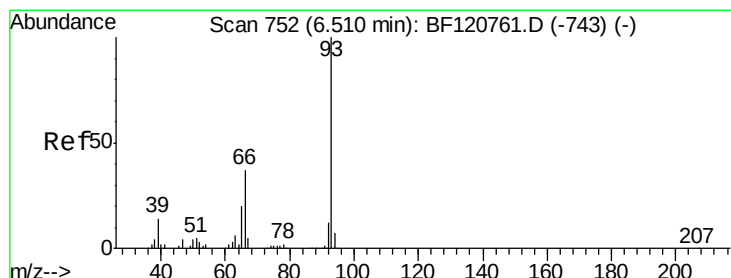
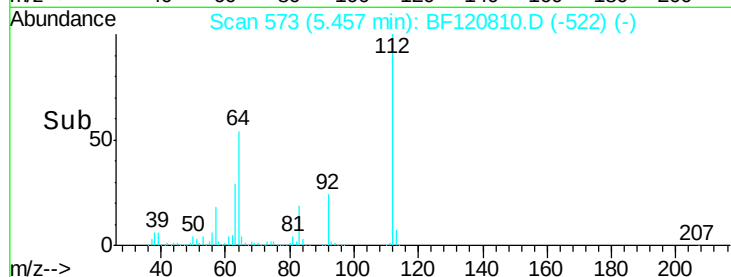
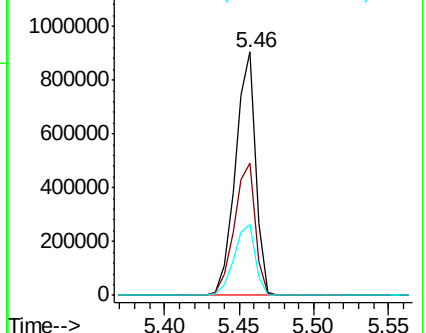
63 29.1 23.6 35.4



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: 4.422 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

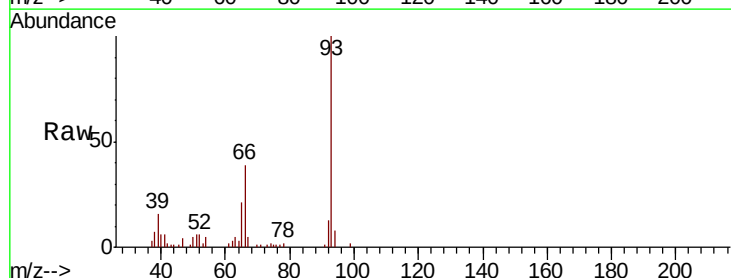
Tgt Ion: 93 Resp: 63227

Ion Ratio Lower Upper

93 100

66 38.9 31.3 46.9

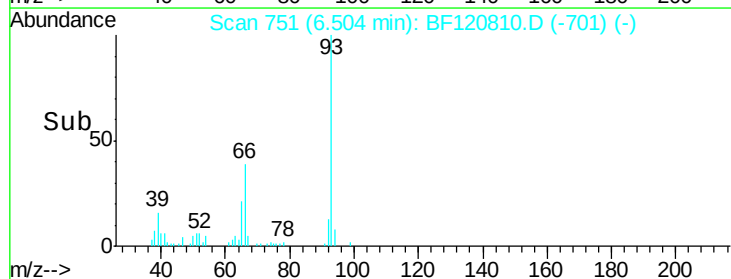
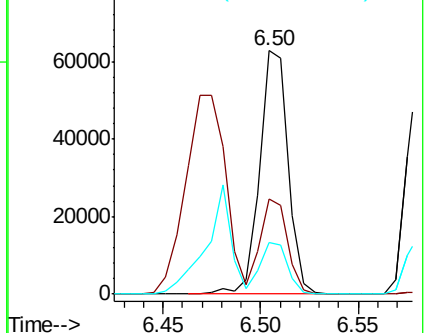
65 21.0 16.5 24.7

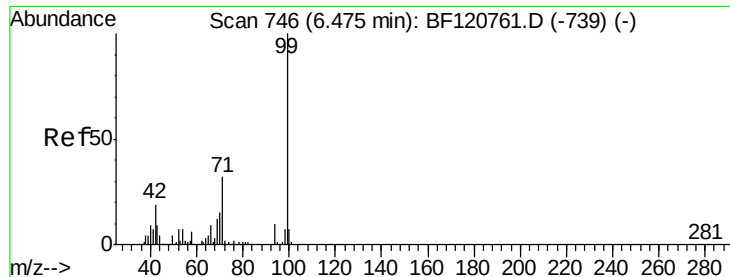


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 97.536 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

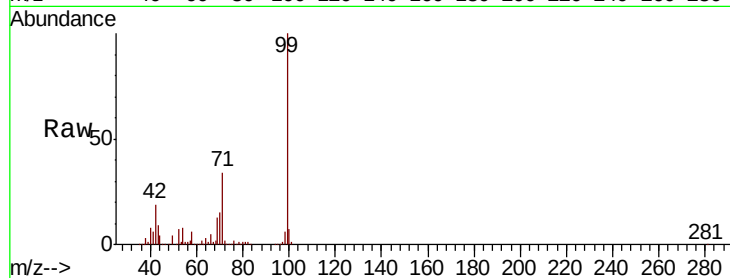
Tot Ion: 99 Resp: 1085944

Ion Ratio Lower Upper

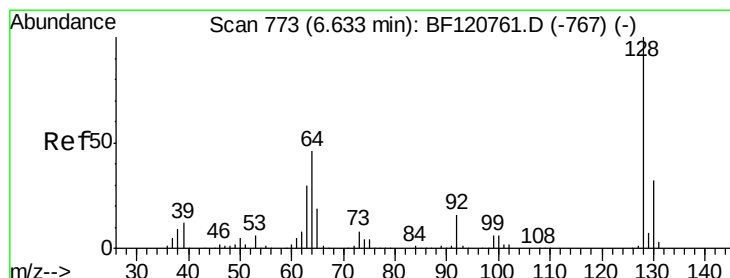
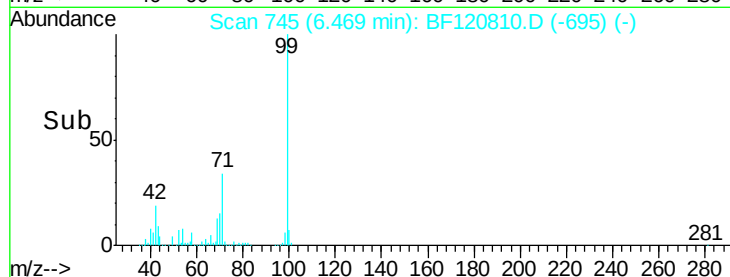
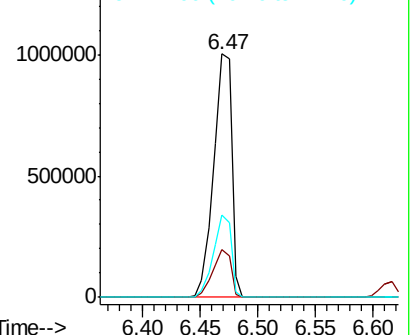
99 100

42 19.4 15.4 23.0

71 33.6 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: 4.405 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

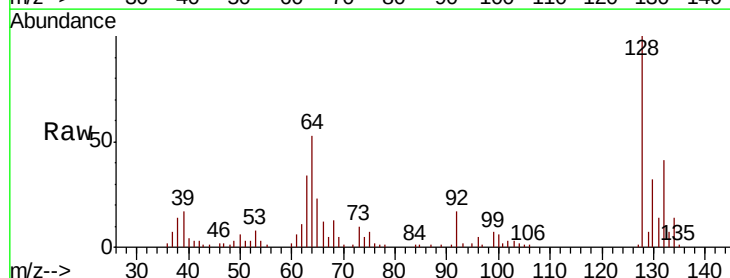
Tgt Ion: 128 Resp: 40887

Ion Ratio Lower Upper

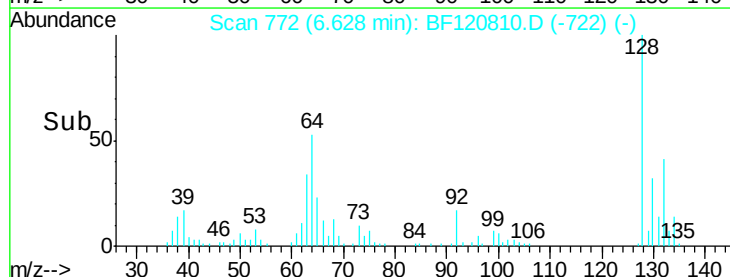
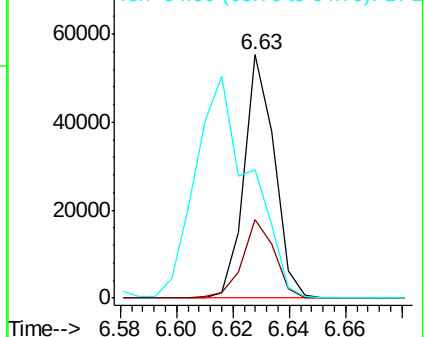
128 100

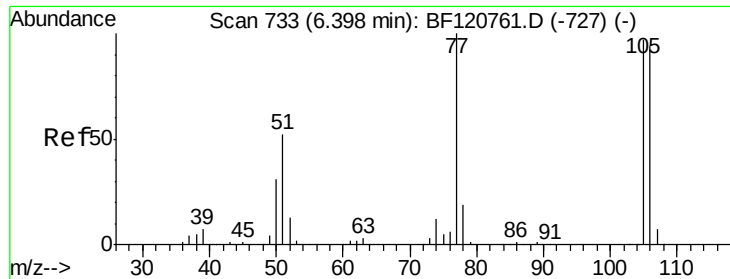
130 32.2 12.1 52.1

64 53.0 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

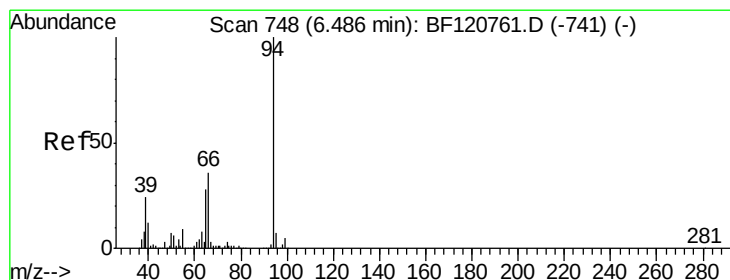
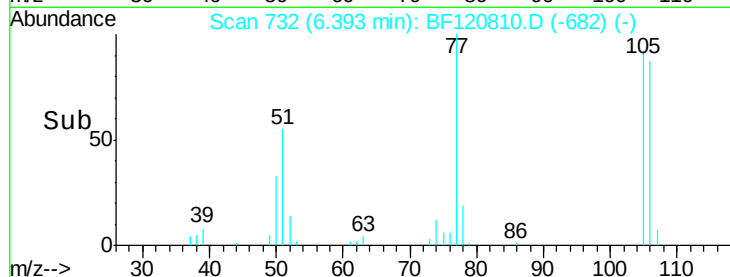
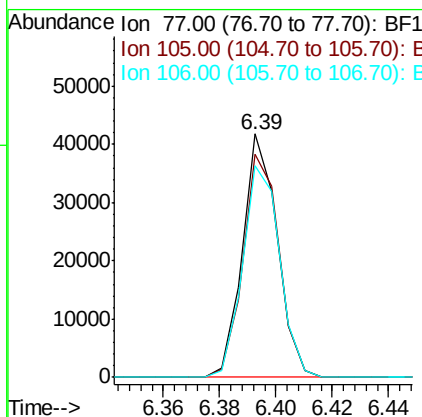
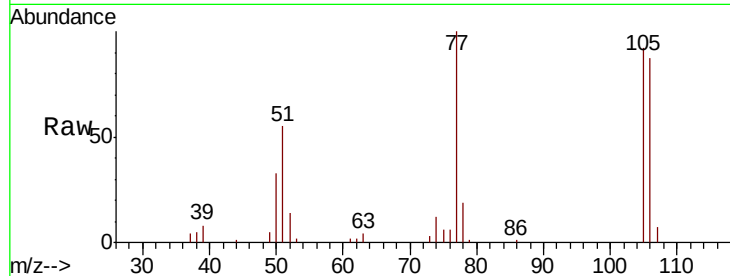




#9
Benzaldehyde
Concen: 5.375 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

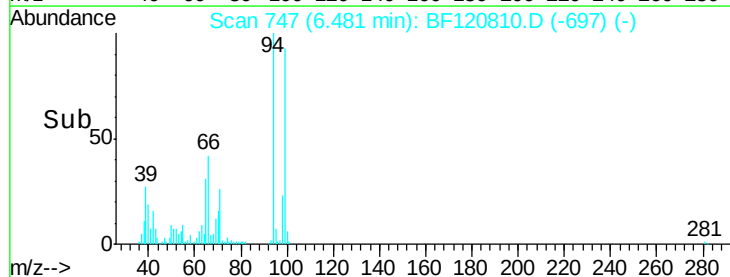
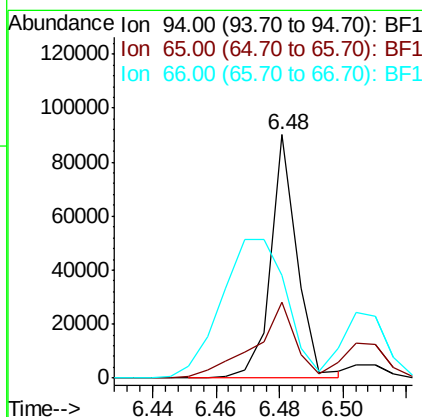
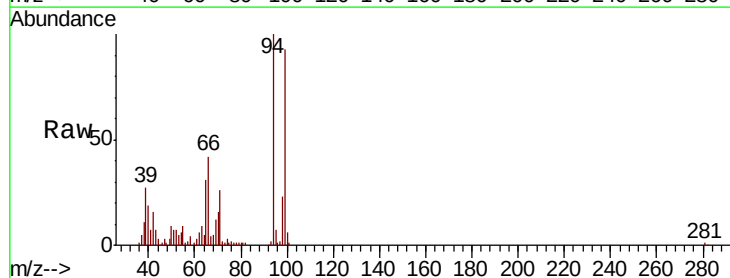
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

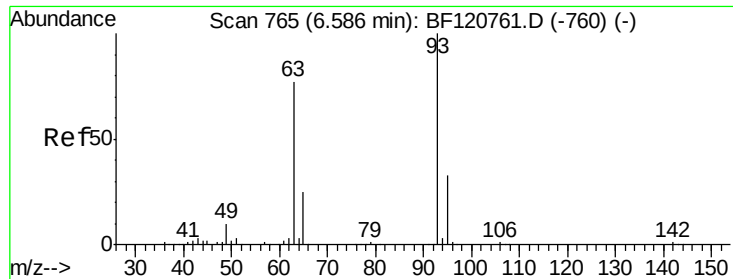
Tot Ion: 77 Resp: 35593
Ion Ratio Lower Upper
77 100
105 91.6 76.8 116.8
106 87.1 73.8 113.8



#10
Phenol
Concen: 4.575 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion: 94 Resp: 52401
Ion Ratio Lower Upper
94 100
65 31.1 8.4 48.4
66 42.1 16.5 56.5

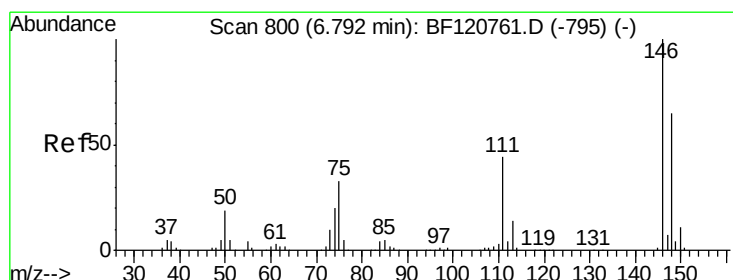
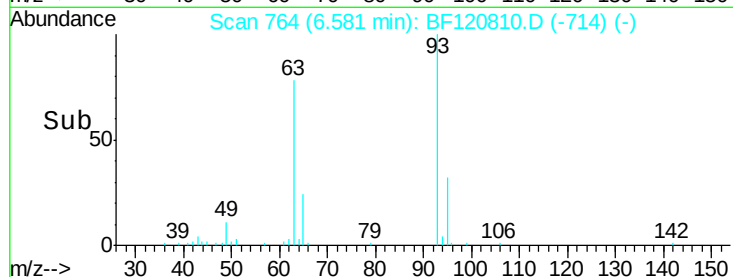
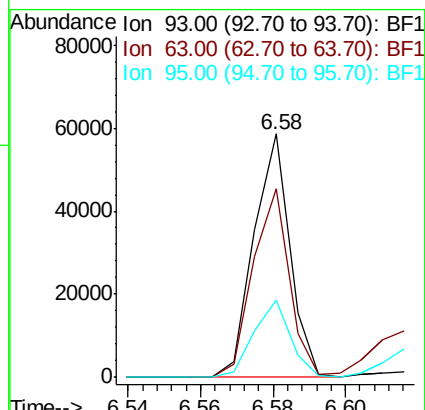
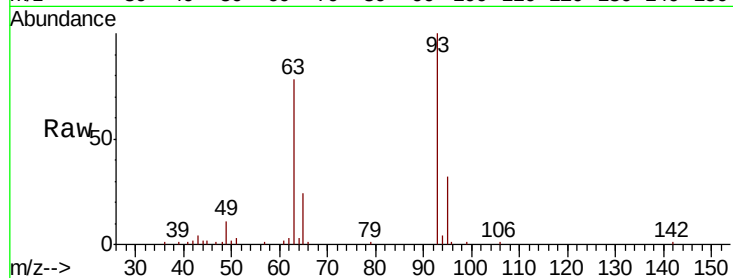




#11
bis(2-Chloroethyl)ether
Concen: 4.320 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

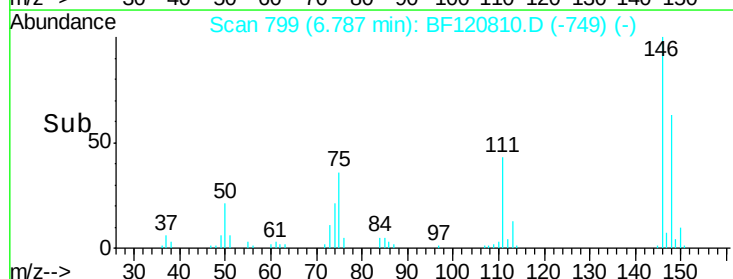
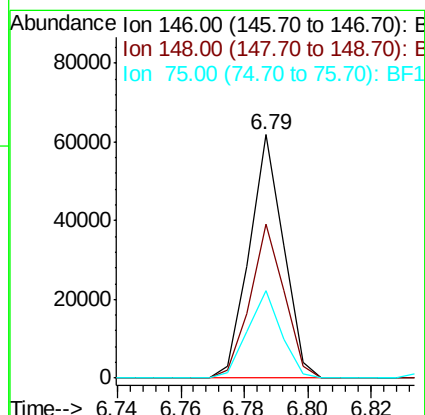
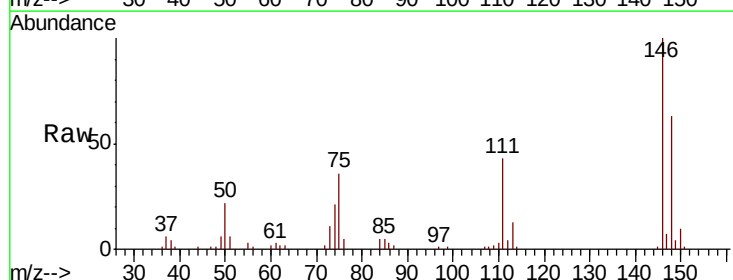
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

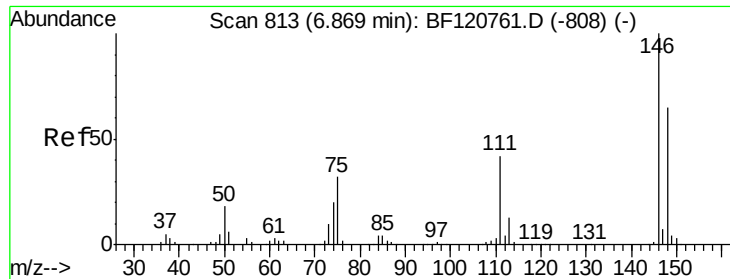
Tot Ion: 93 Resp: 40267
Ion Ratio Lower Upper
93 100
63 77.5 56.9 96.9
95 31.8 13.3 53.3



#12
1,3-Dichlorobenzene
Concen: 4.513 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion: 146 Resp: 46113
Ion Ratio Lower Upper
146 100
148 63.4 52.1 78.1
75 36.0 26.0 39.0

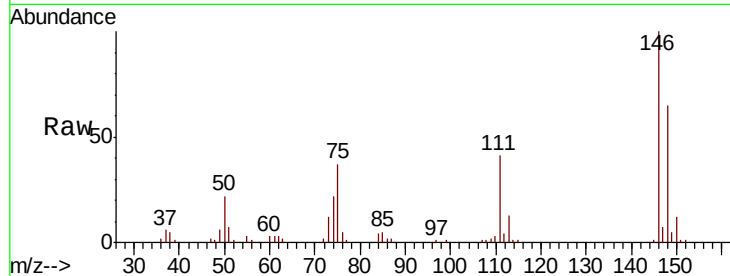




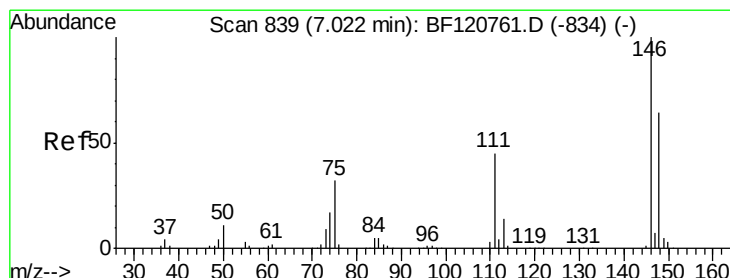
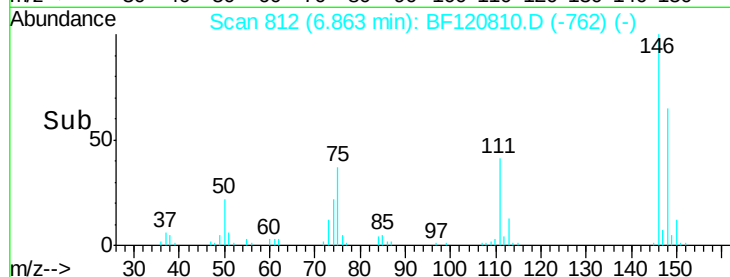
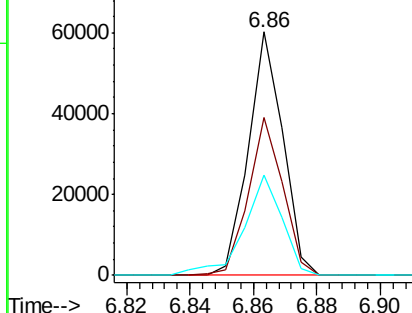
#13
 1,4-Dichlorobenzene
 Concen: 4.435 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:146 Resp: 45380
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.8 77.6
 111 41.0 33.7 50.5

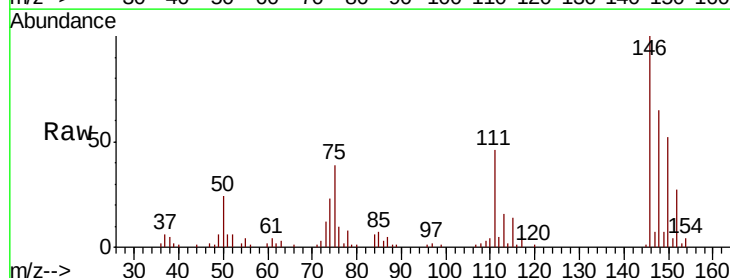


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

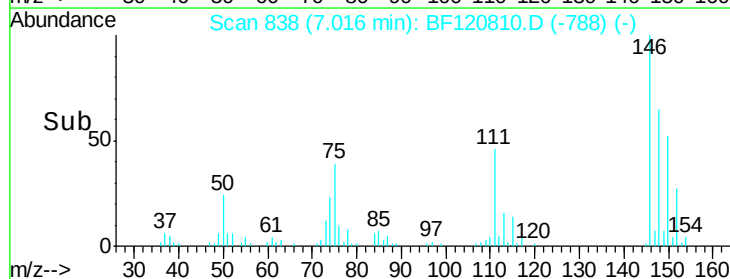
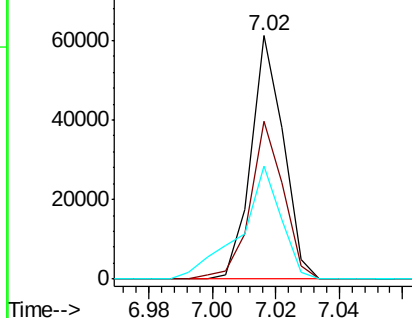


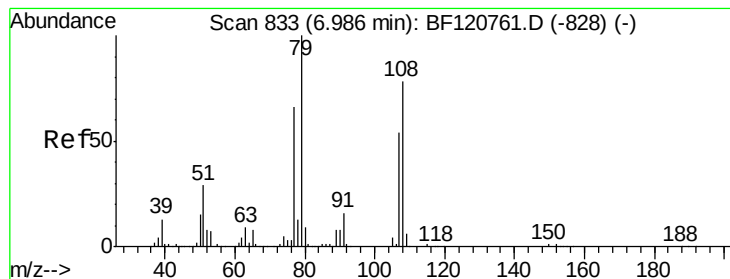
#14
 1,2-Dichlorobenzene
 Concen: 4.448 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion:146 Resp: 43305
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.0 76.4
 111 46.5 35.7 53.5



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 3.897 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

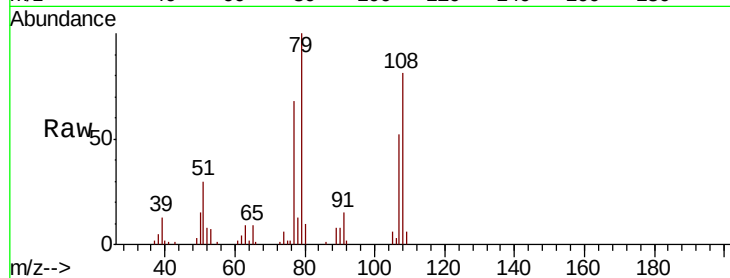
Tot Ion: 79 Resp: 32599

Ion Ratio Lower Upper

79 100

108 81.3 62.4 93.6

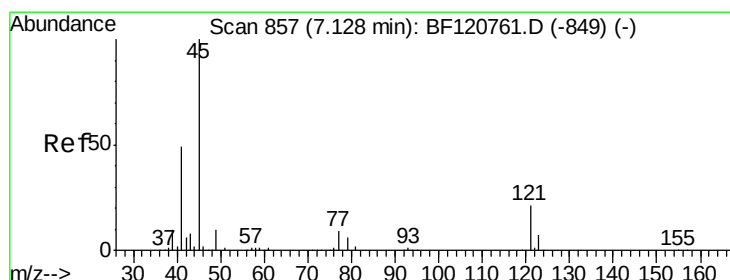
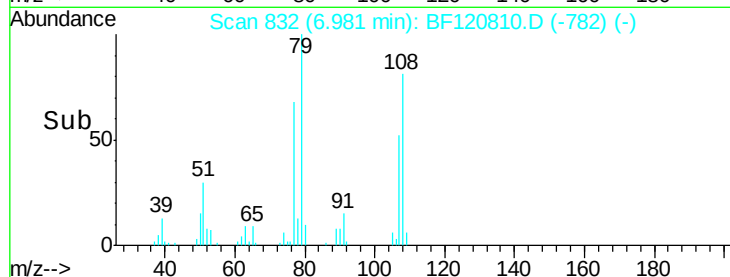
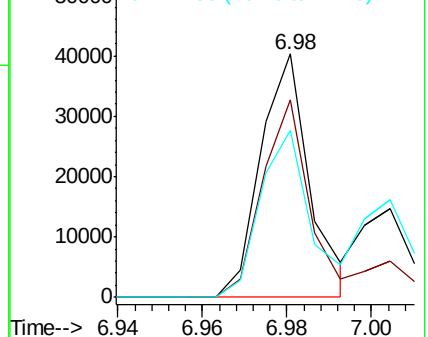
77 68.4 52.7 79.1



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



#16

2,2'-oxybis(1-chloropropane)

Concen: 4.177 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

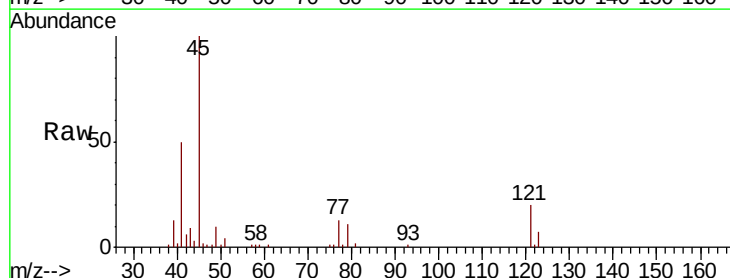
Tgt Ion: 45 Resp: 60716

Ion Ratio Lower Upper

45 100

77 13.2 0.0 33.7

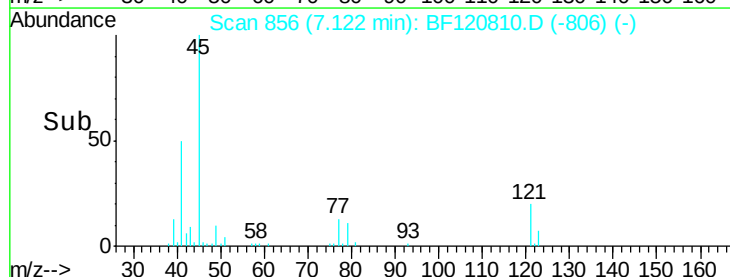
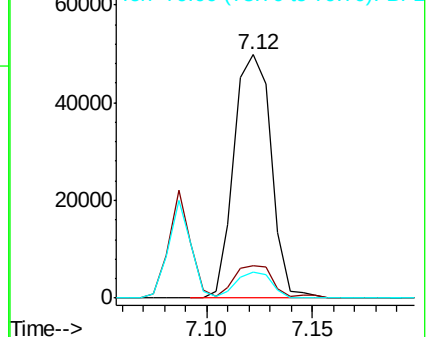
79 10.6 0.0 30.5

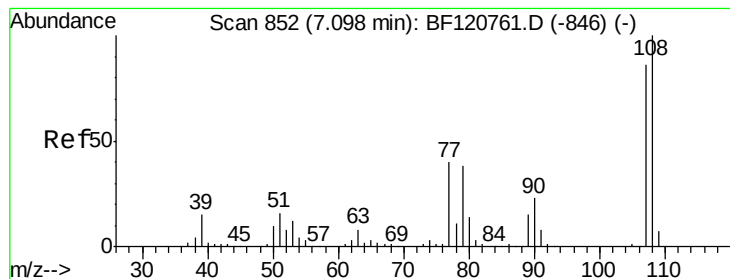


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

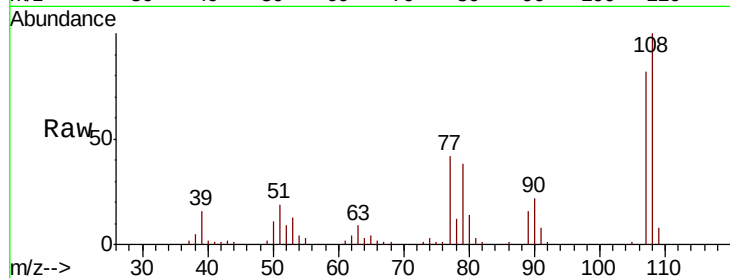




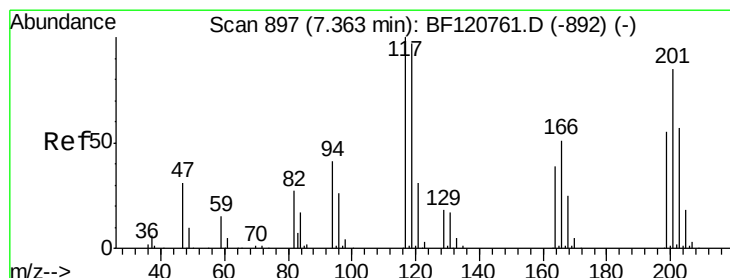
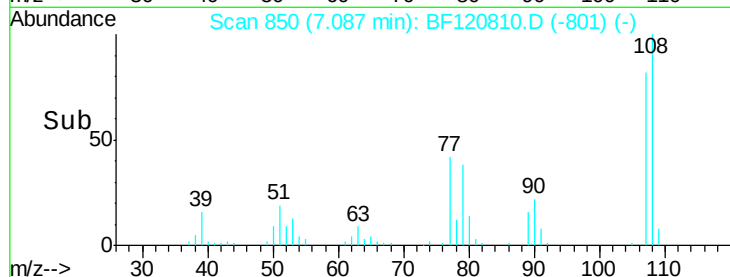
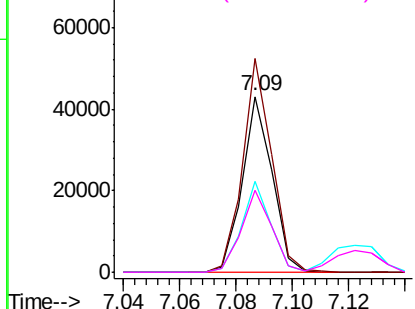
#17
2-Methylphenol
Concen: 3.800 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:	107	Resp:	31555
Ion	Ratio	Lower	Upper
107	100		
108	121.4	93.1	139.7
77	51.3	37.3	55.9
79	46.6	35.3	52.9

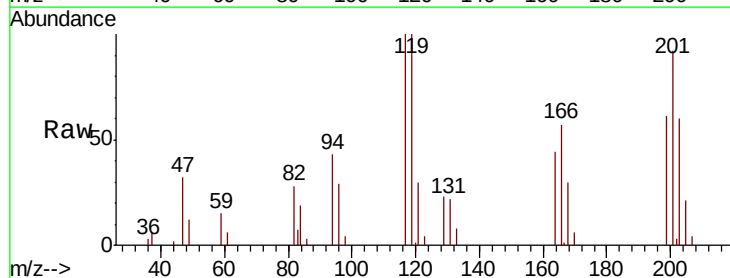


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

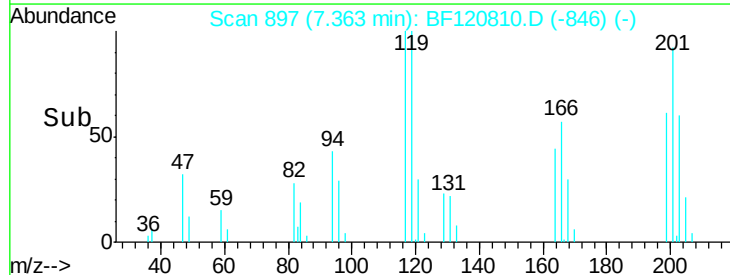
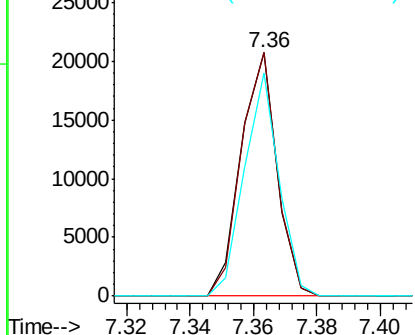


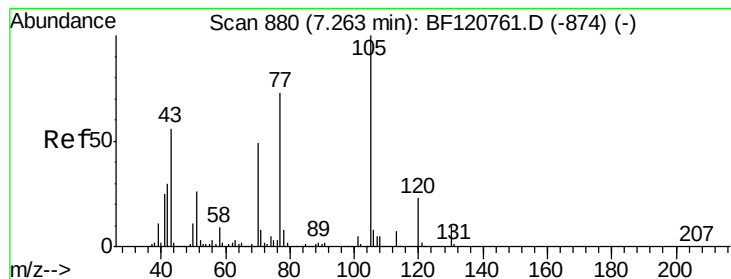
#18
Hexachloroethane
Concen: 4.240 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:	117	Resp:	16308
Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.9	116.9
201	91.5	68.3	102.5



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.206 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 70 Resp: 28194

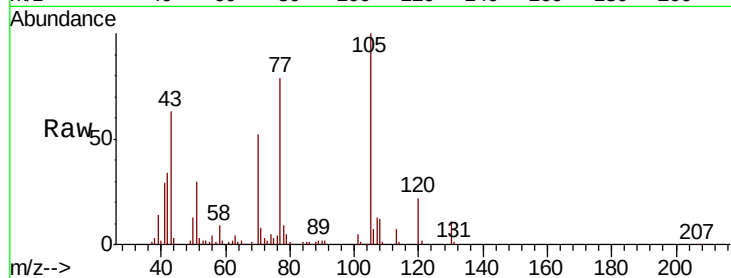
Ion Ratio Lower Upper

70 100

42 66.1 50.3 75.5

101 8.9 7.5 11.3

130 20.3 16.1 24.1

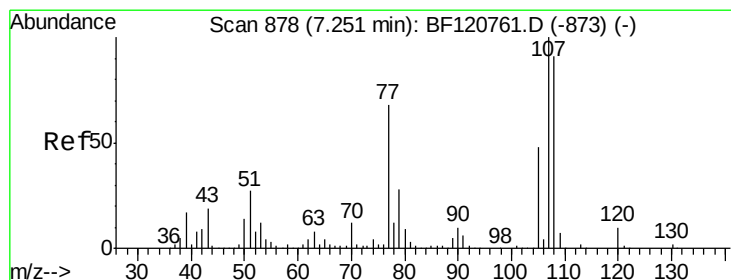
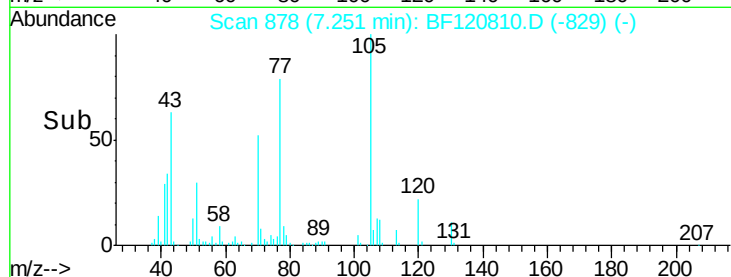
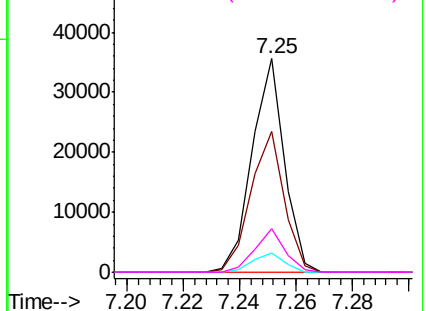


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 4.006 ng

RT: 7.24 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Tgt Ion: 107 Resp: 40969

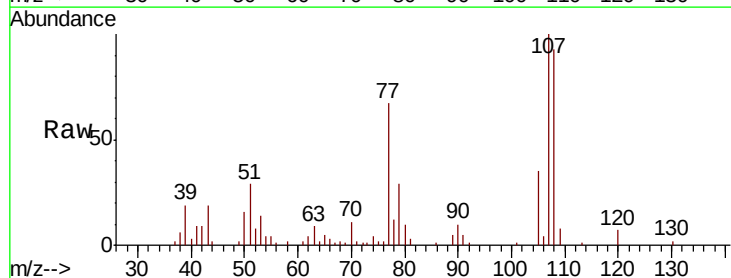
Ion Ratio Lower Upper

107 100

108 93.2 70.9 110.9

77 66.9 48.3 88.3

79 28.9 7.8 47.8

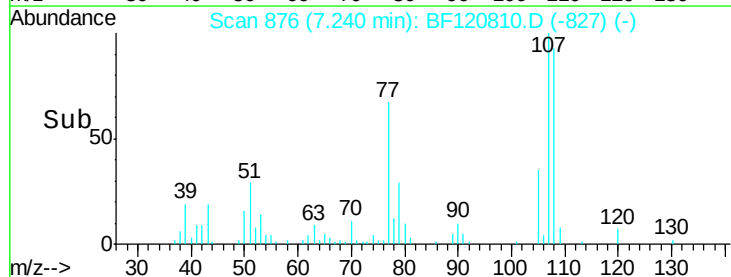
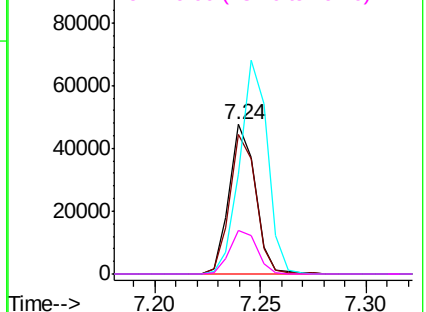


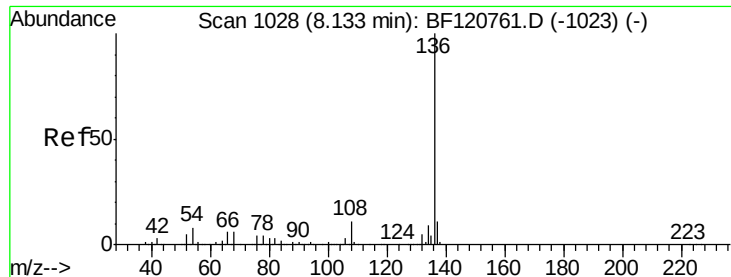
Abundance Ion 107.00 (106.70 to 107.70): BF1

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

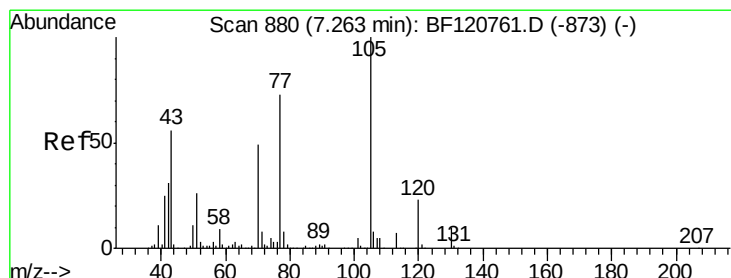
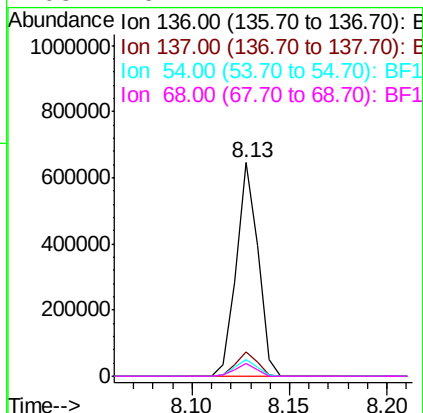
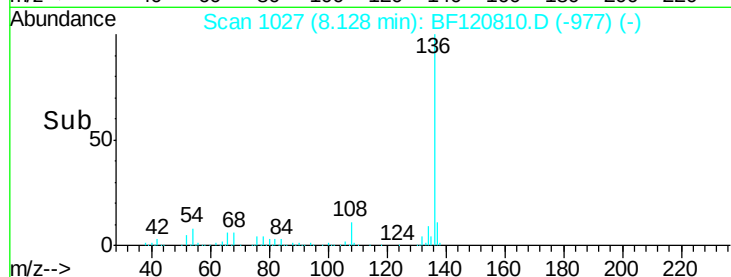
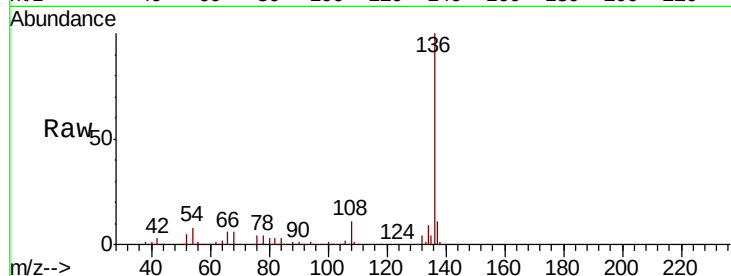




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

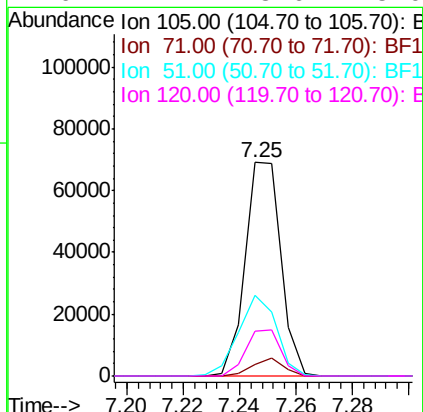
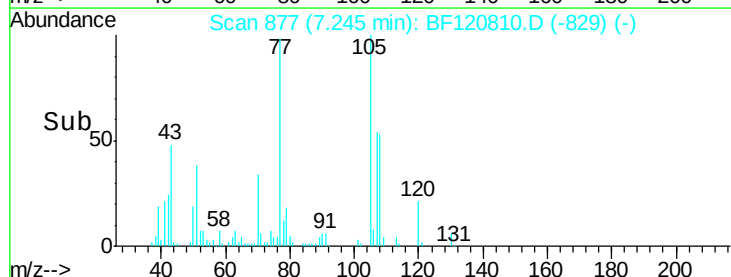
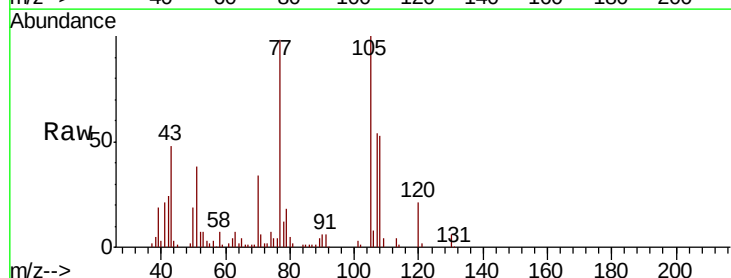
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

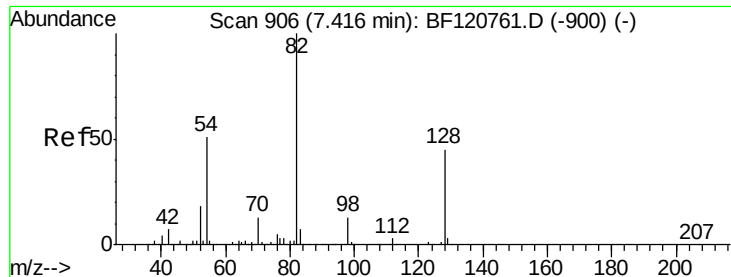
Tot Ion:136	Resp:	499562
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.0 13.6
54	8.0	6.2 9.4
68	5.7	4.7 7.1



#22
Acetophenone
Concen: 4.888 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:105	Resp:	60693
Ion Ratio	Lower	Upper
105	100	
71	5.6	6.5 9.7#
51	37.7	21.0 31.4#
120	21.1	18.6 28.0

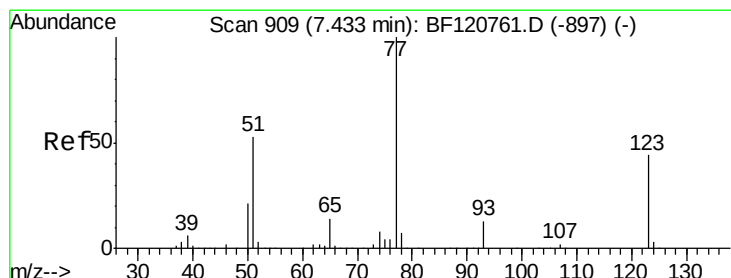
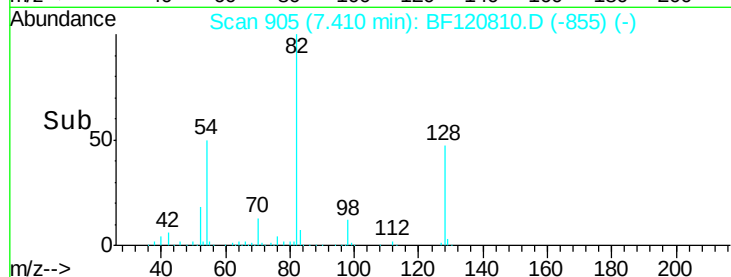
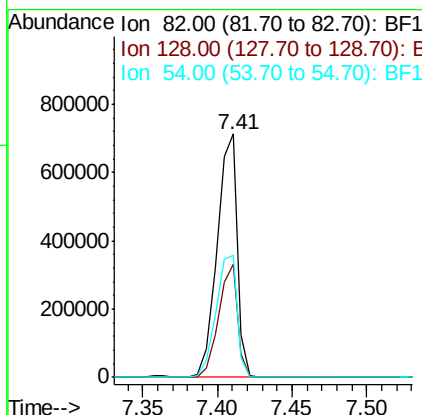
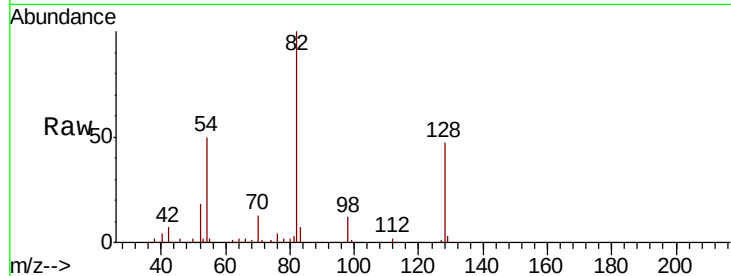




#23
 Nitrobenzene-d5
 Concen: 78.054 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

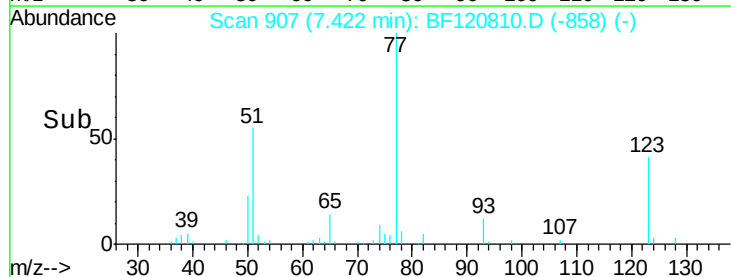
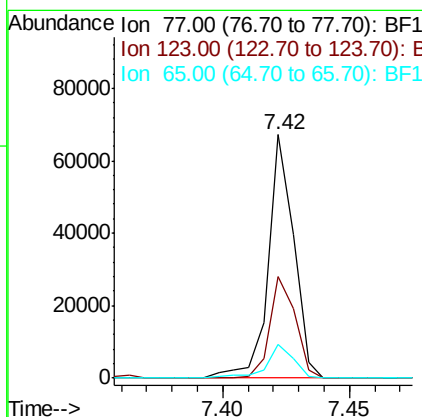
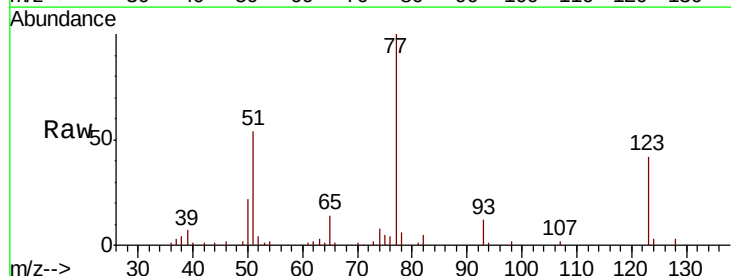
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

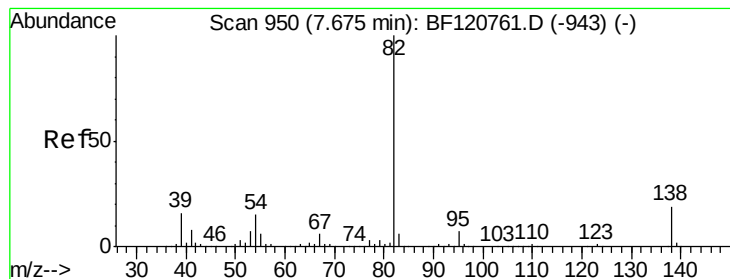
Tot Ion	82	Resp	673009
Ion Ratio	100	Lower	Upper
128	46.5	35.7	53.5
54	50.3	40.9	61.3



#24
 Nitrobenzene
 Concen: 4.874 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion	77	Resp	47182
Ion Ratio	100	Lower	Upper
123	41.8	36.1	54.1
65	14.0	11.0	16.4





#25

Isophorone

Concen: 3.971 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

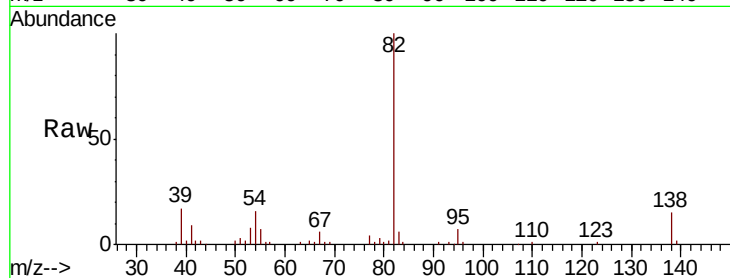
Tot Ion: 82 Resp: 73833

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.2

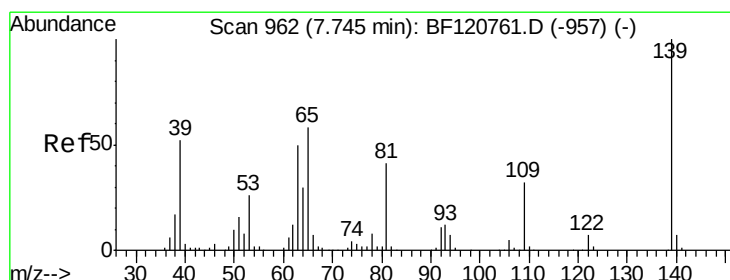
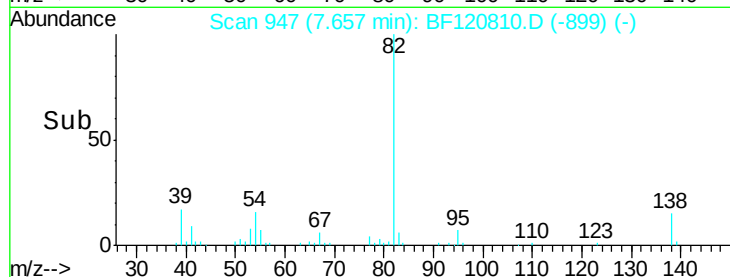
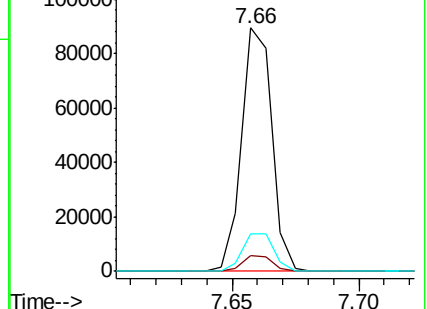
138 15.4 15.0 22.4



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: 3.467 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

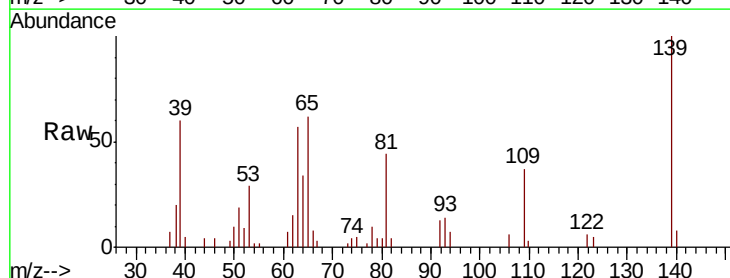
Tgt Ion: 139 Resp: 12269

Ion Ratio Lower Upper

139 100

109 36.6 25.3 37.9

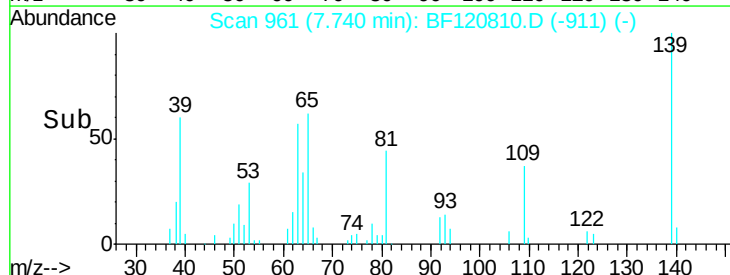
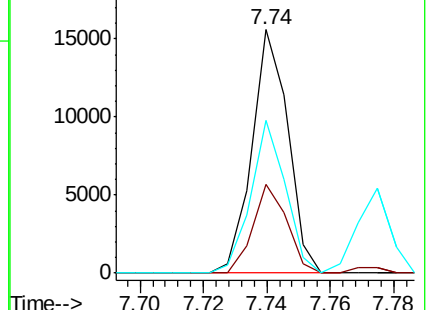
65 62.5 46.2 69.2

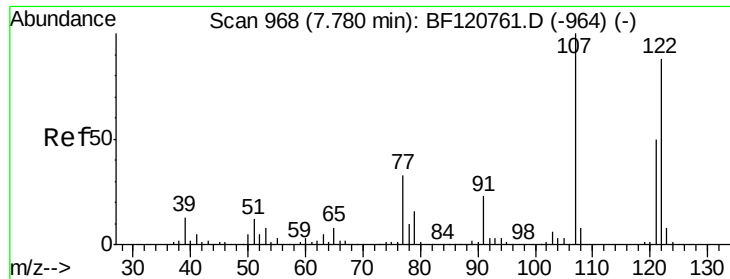


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

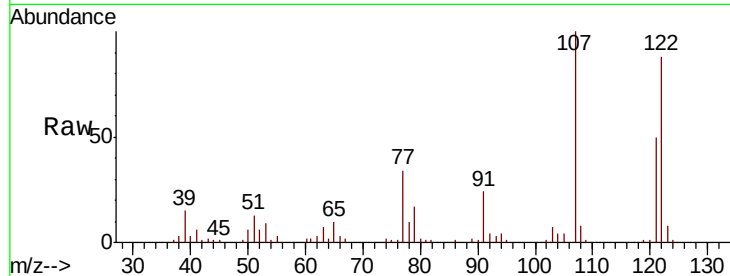




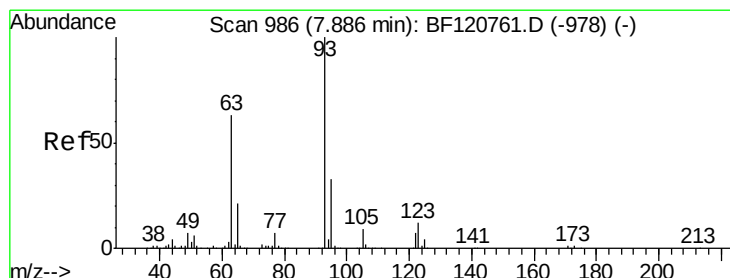
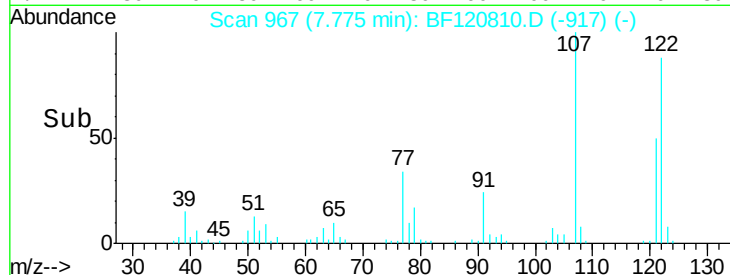
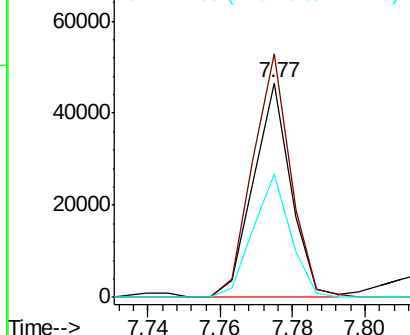
#27
 2,4-Dimethylphenol
 Concen: 4.506 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:122 Resp: 33444
 Ion Ratio Lower Upper
 122 100
 107 113.4 90.7 136.1
 121 57.2 45.4 68.0

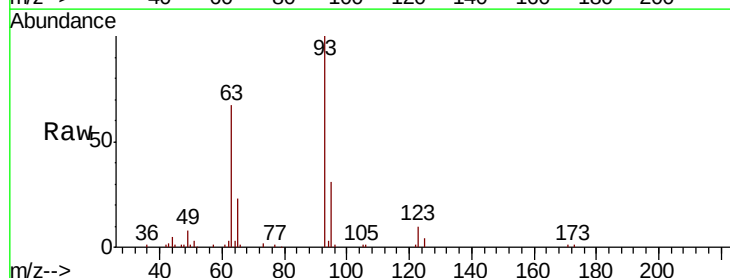


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

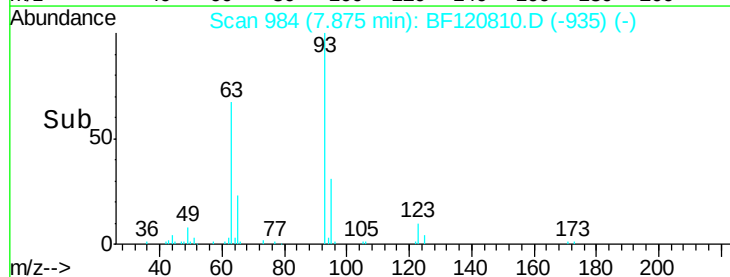
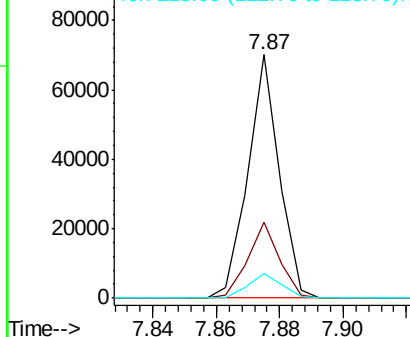


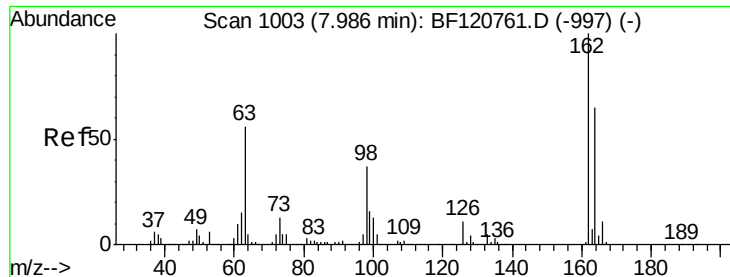
#28
 bis(2-Chloroethoxy)methane
 Concen: 4.355 ng
 RT: 7.87 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion: 93 Resp: 47926
 Ion Ratio Lower Upper
 93 100
 95 31.4 26.4 39.6
 123 10.1 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

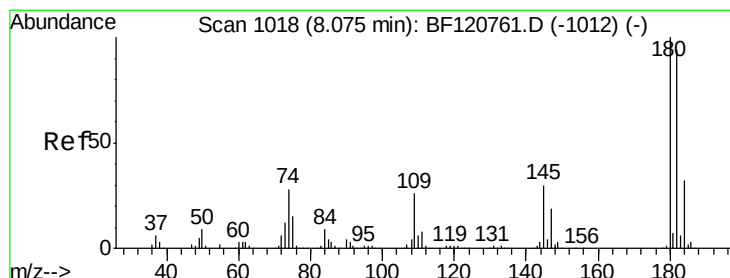
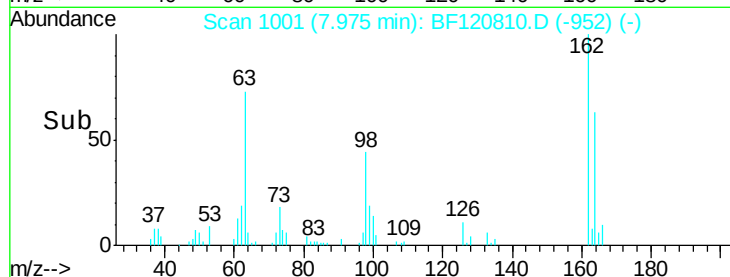
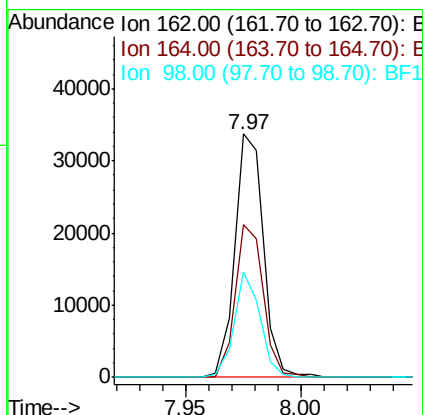
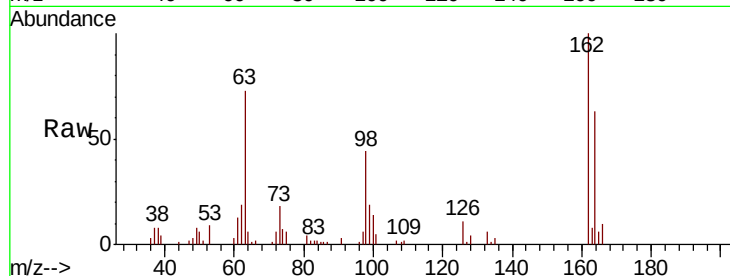




#29
2,4-Dichlorophenol
Concen: 3.939 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

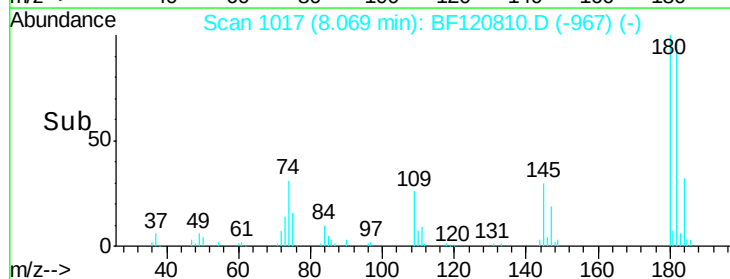
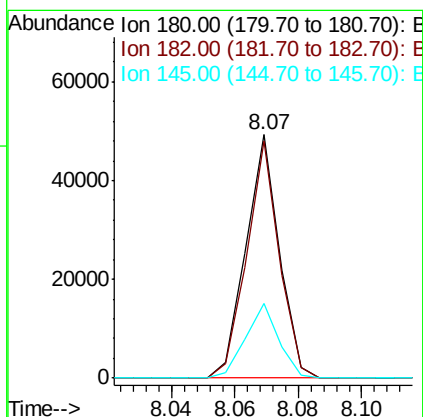
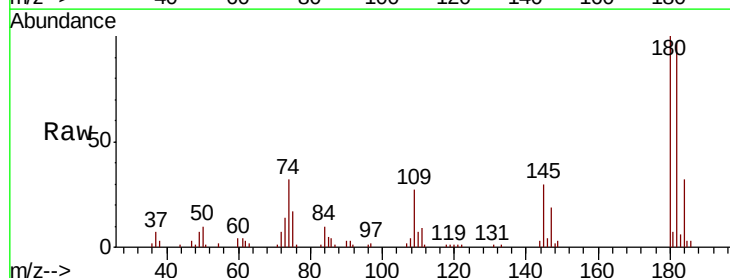
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

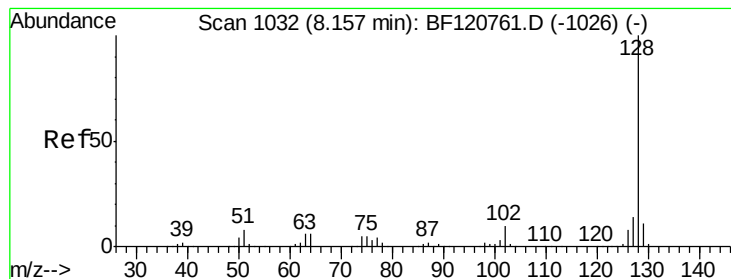
Tot Ion:162 Resp: 29190
Ion Ratio Lower Upper
162 100
164 62.7 45.2 85.2
98 43.5 17.0 57.0



#30
1,2,4-Trichlorobenzene
Concen: 4.306 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:180 Resp: 35836
Ion Ratio Lower Upper
180 100
182 97.3 75.5 113.3
145 30.5 24.1 36.1





#31

Naphthalene

Concen: 4.571 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

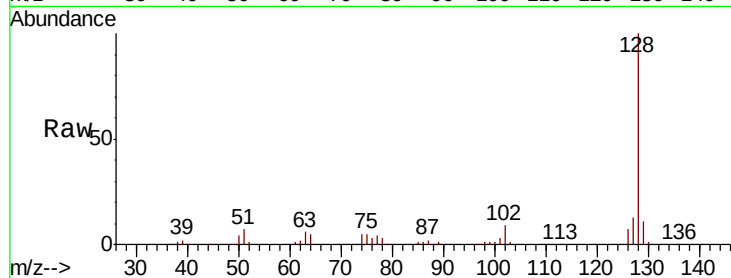
Tot Ion:128 Resp: 122027

Ion Ratio Lower Upper

128 100

129 10.7 9.2 13.8

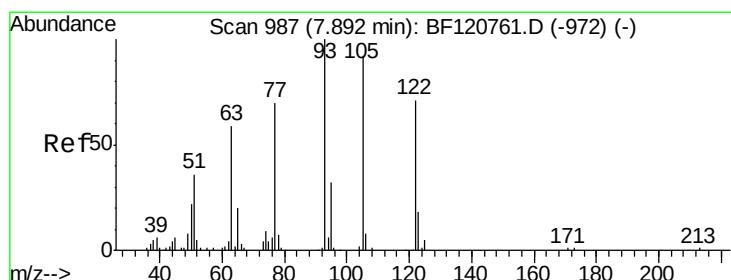
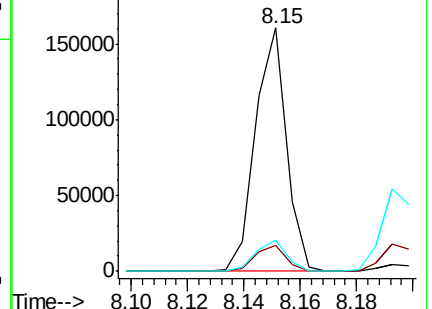
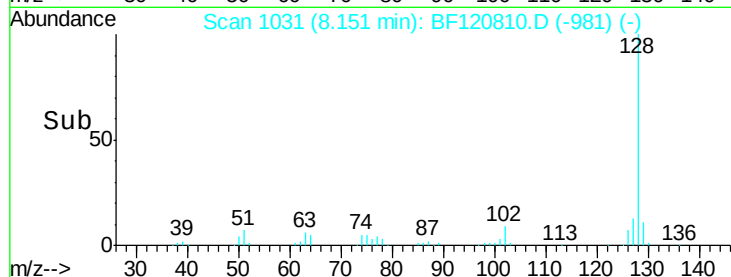
127 12.8 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.113 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

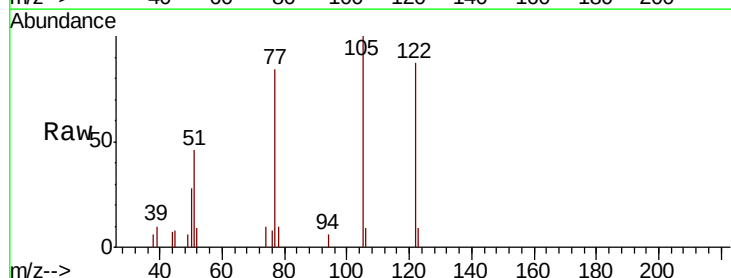
Tgt Ion:122 Resp: 8487

Ion Ratio Lower Upper

122 100

105 115.5 105.8 145.8

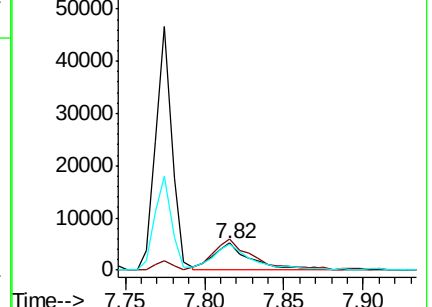
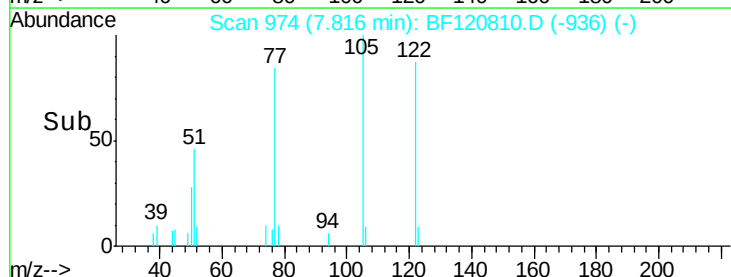
77 97.1 77.3 117.3

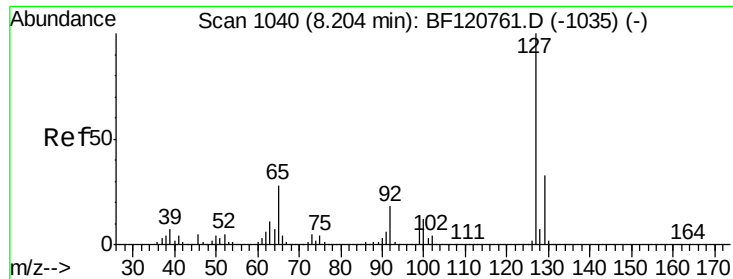


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

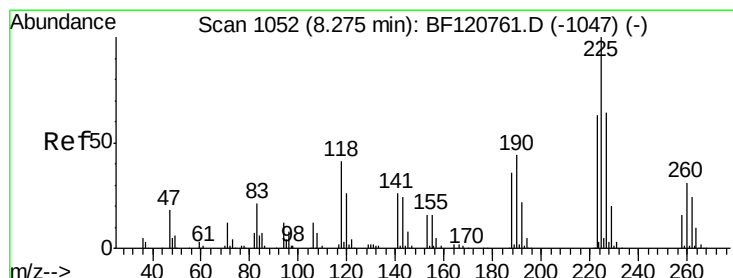
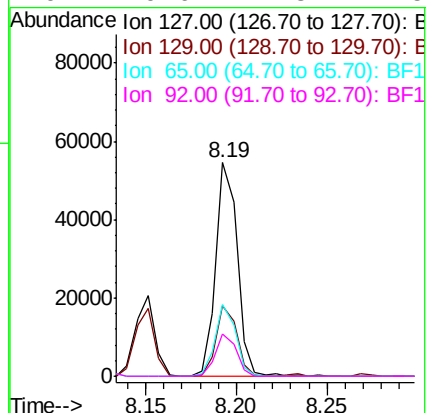
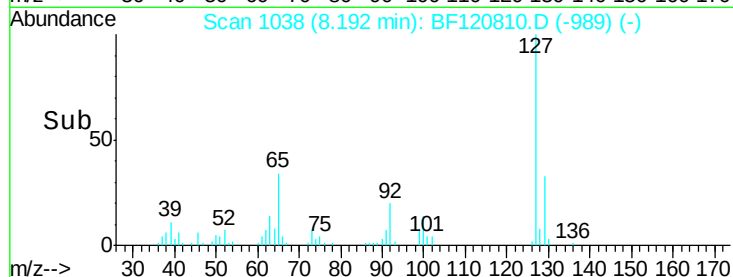
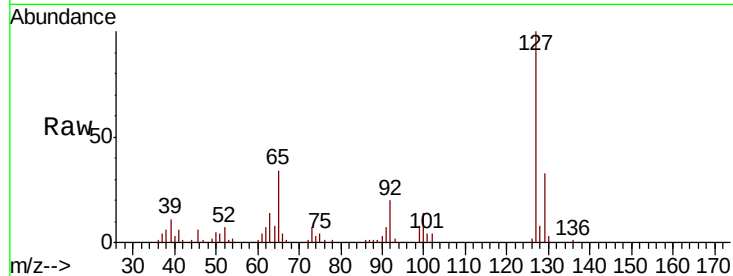




#33
4-Chloroaniline
Concen: 3.992 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

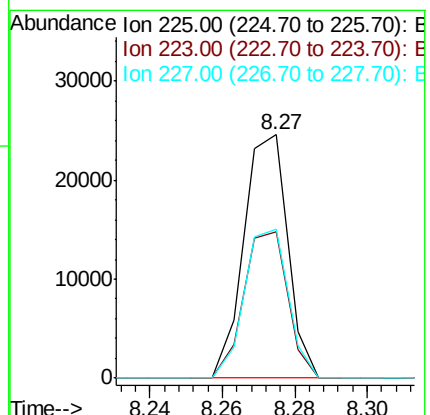
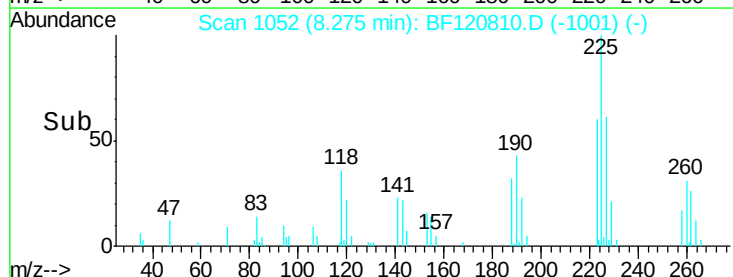
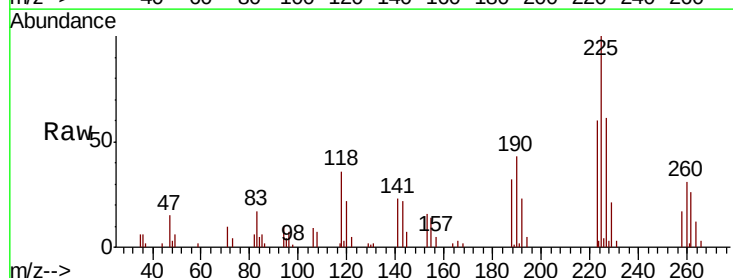
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

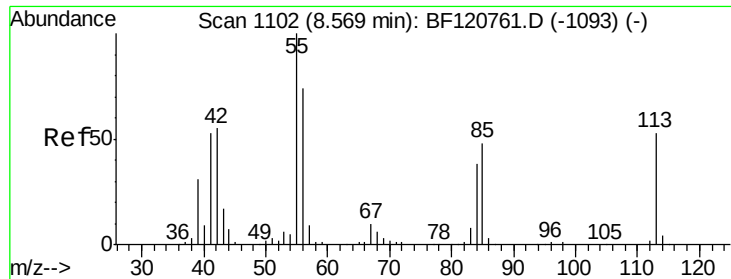
Tot Ion:	127	Resp:	45225
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.6	39.8
65	33.8	22.7	34.1
92	19.6	14.3	21.5



#34
Hexachlorobutadiene
Concen: 4.120 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:	225	Resp:	20624
Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	76.0
227	61.4	51.4	77.2

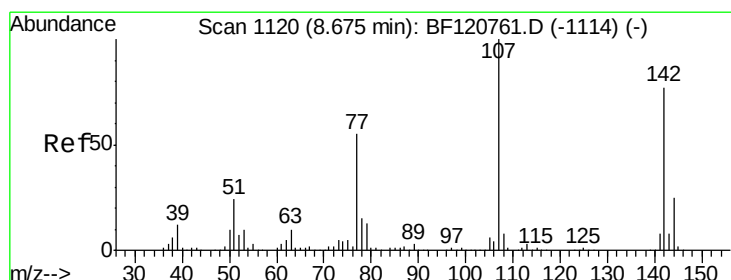
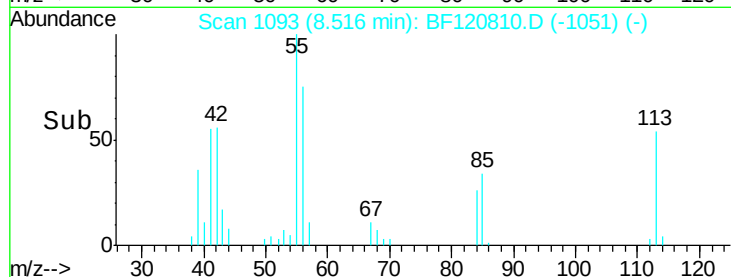
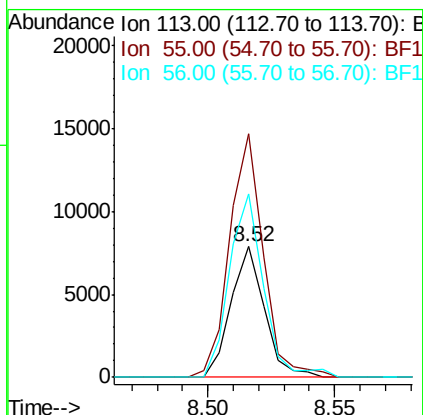
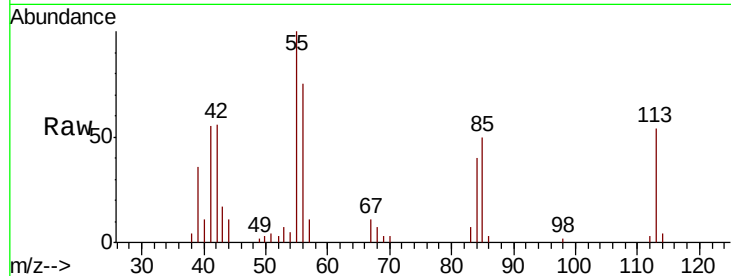




#35
 Caprolactam
 Concen: 3.345 ng
 RT: 8.52 min Scan# 1093
 Delta R.T. -0.05 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

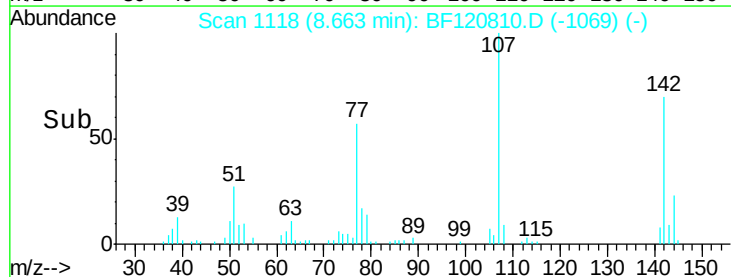
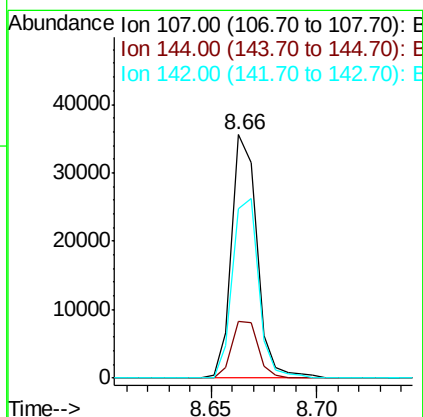
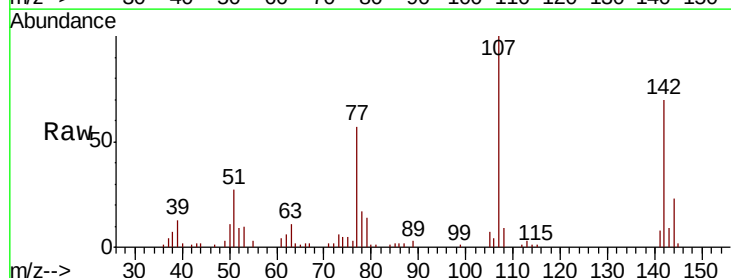
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

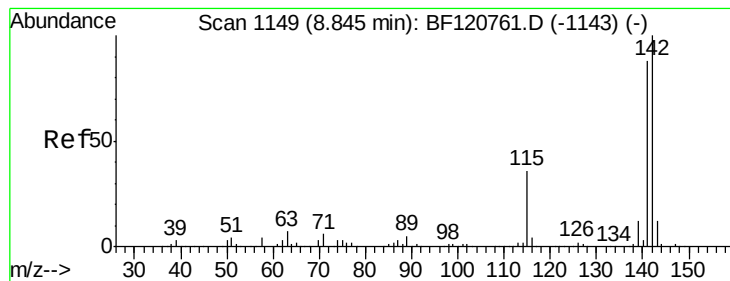
Tot Ion:113 Resp: 7222
 Ion Ratio Lower Upper
 113 100
 55 186.4 168.3 208.3
 56 140.3 118.8 158.8



#36
 4-Chloro-3-methylphenol
 Concen: 3.844 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion:107 Resp: 29632
 Ion Ratio Lower Upper
 107 100
 144 23.1 19.7 29.5
 142 69.7 61.2 91.8





#37

2-Methylnaphthalene

Concen: 4.366 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

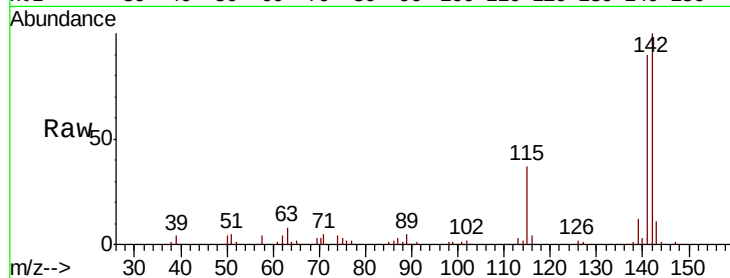
Tot Ion:142 Resp: 75774

Ion Ratio Lower Upper

142 100

141 90.5 70.2 105.4

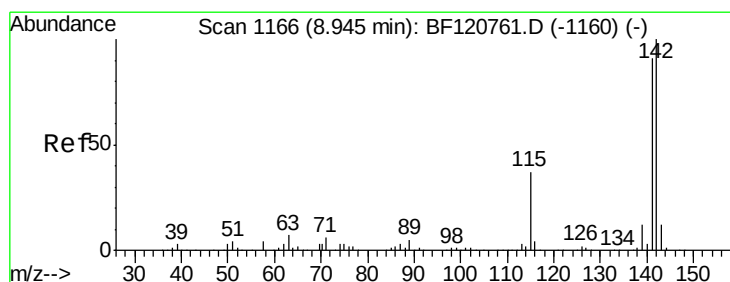
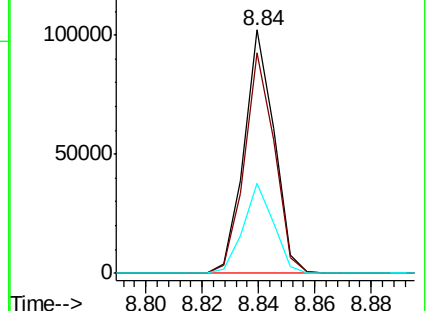
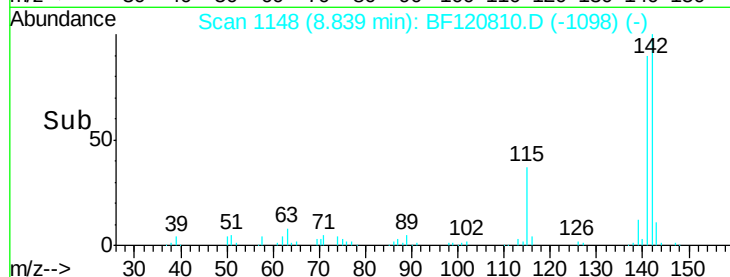
115 37.0 29.0 43.4



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: 4.476 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

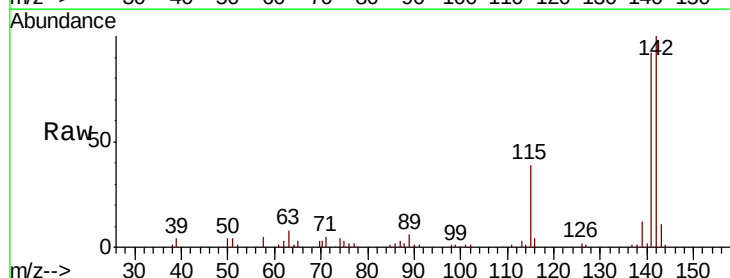
Tgt Ion:142 Resp: 72762

Ion Ratio Lower Upper

142 100

141 91.5 72.5 108.7

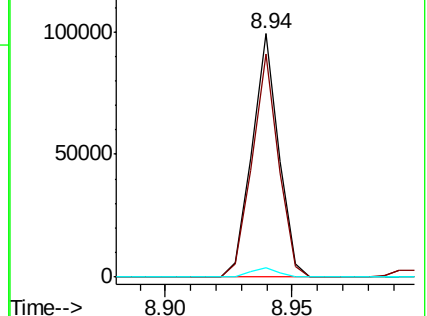
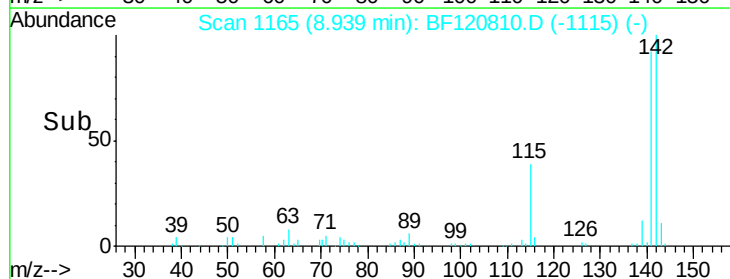
116 4.0 3.1 4.7

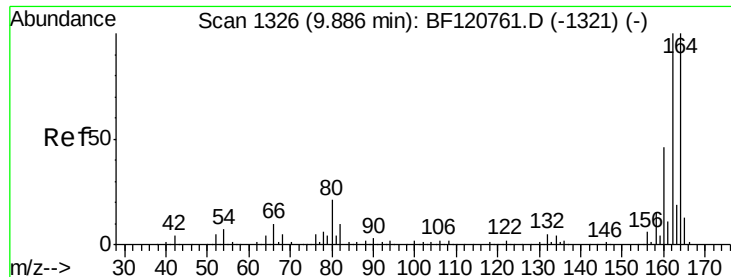


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

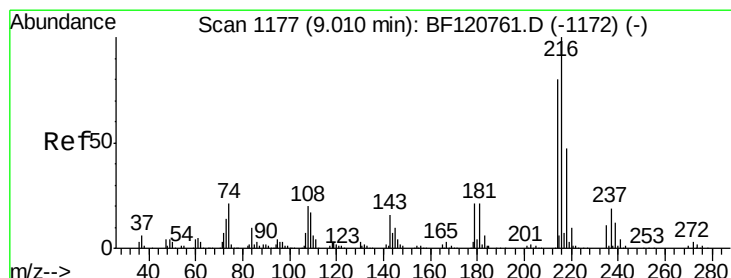
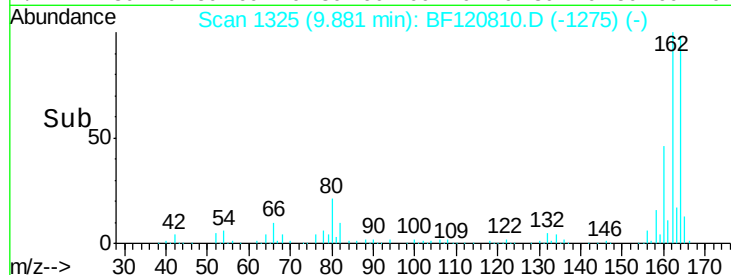
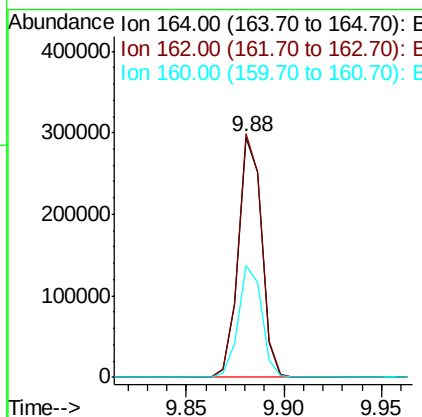
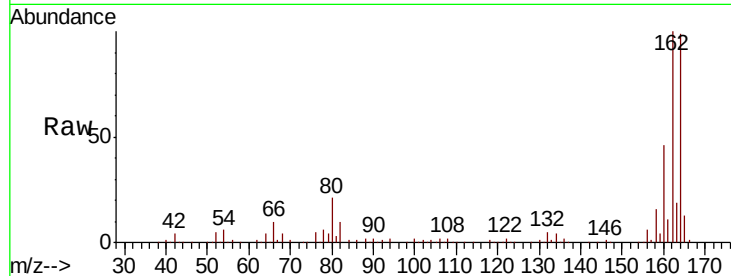




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

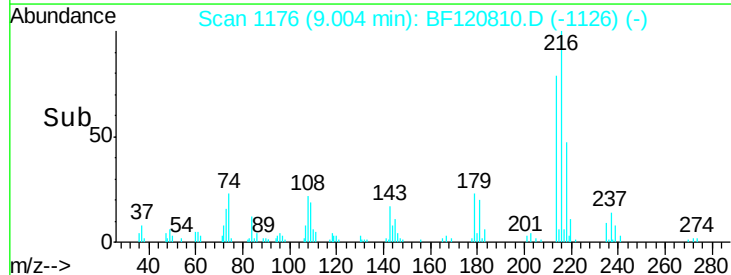
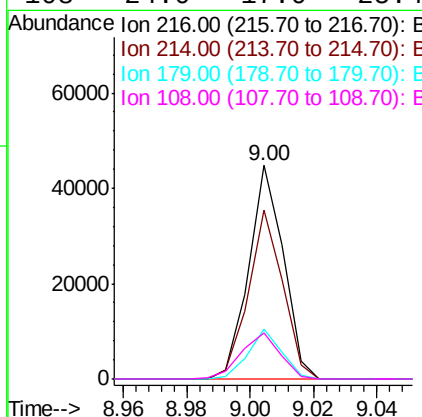
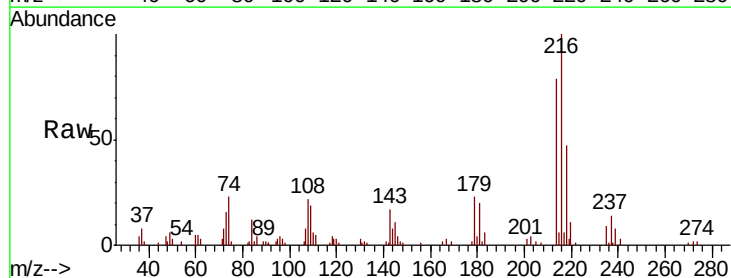
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

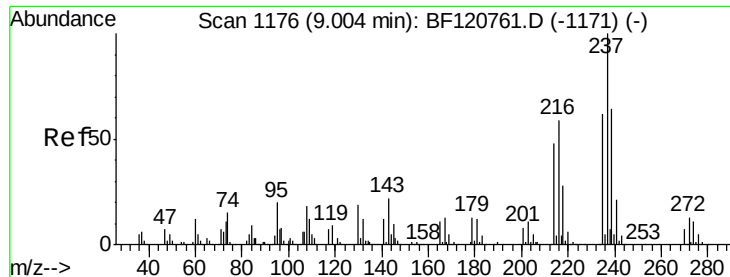
Tot Ion:164 Resp: 244407
Ion Ratio Lower Upper
164 100
162 101.3 80.2 120.2
160 46.6 36.9 55.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.605 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:216 Resp: 34016
Ion Ratio Lower Upper
216 100
214 78.5 63.7 95.5
179 22.5 16.7 25.1
108 24.0 17.0 25.4

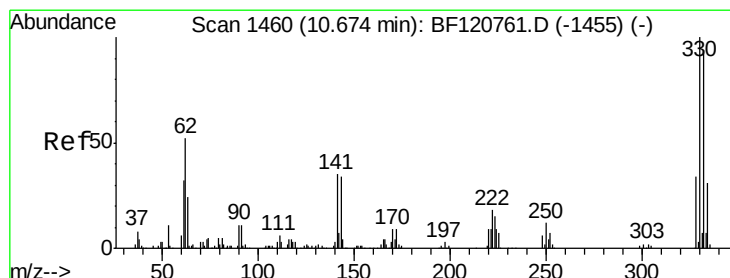
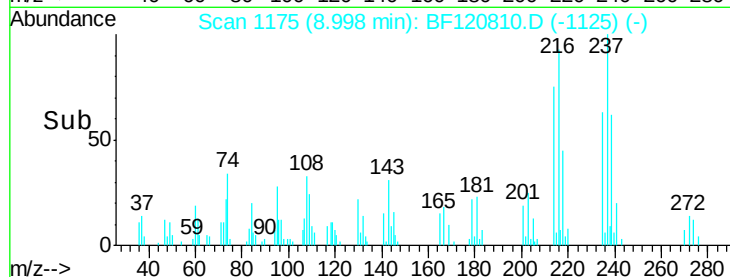
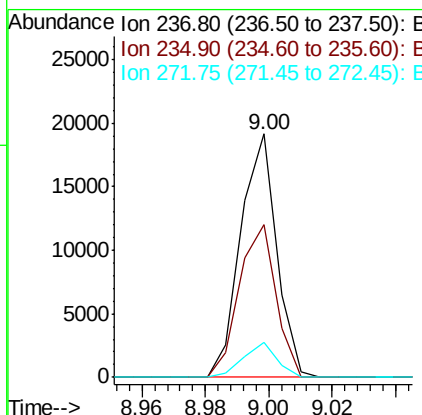
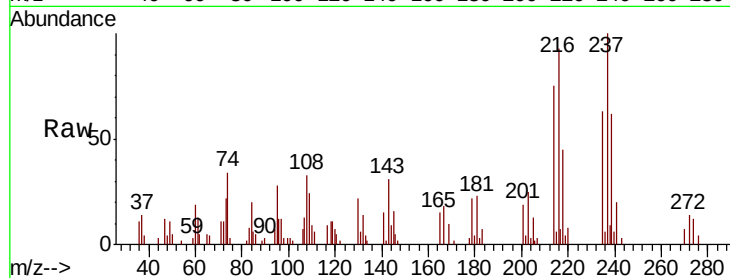




#41
Hexachlorocyclopentadiene
Concen: 3.443 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

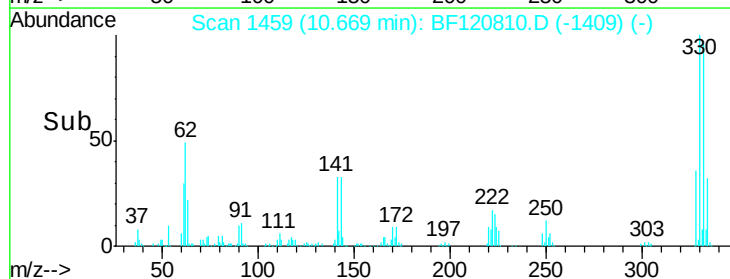
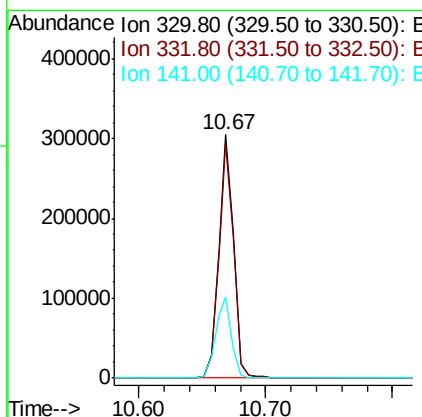
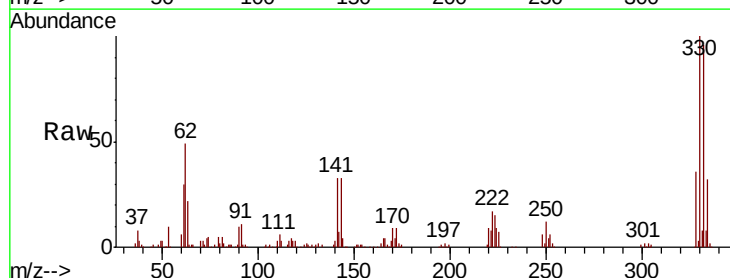
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

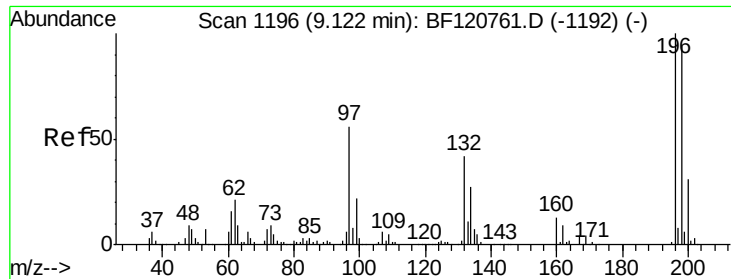
Tot Ion:237 Resp: 15025
Ion Ratio Lower Upper
237 100
235 62.8 42.1 82.1
272 14.2 0.0 33.4



#42
2,4,6-Tribromophenol
Concen: 102.233 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:330 Resp: 251026
Ion Ratio Lower Upper
330 100
332 96.5 75.8 113.6
141 35.9 29.7 44.5

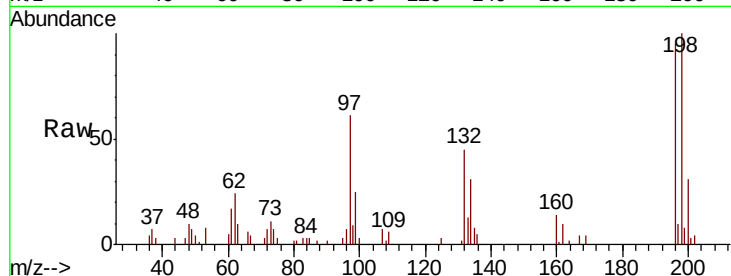




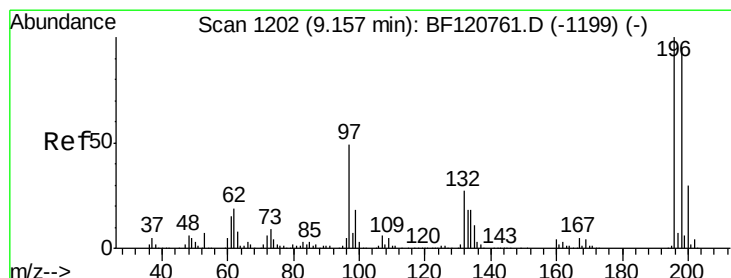
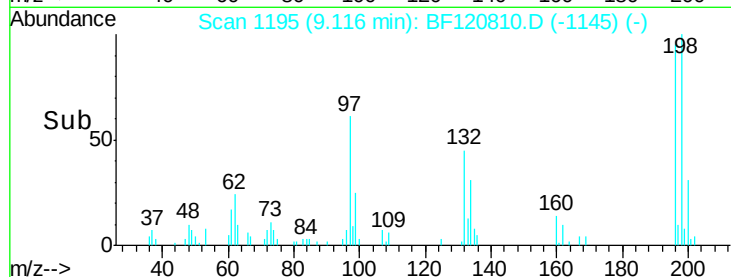
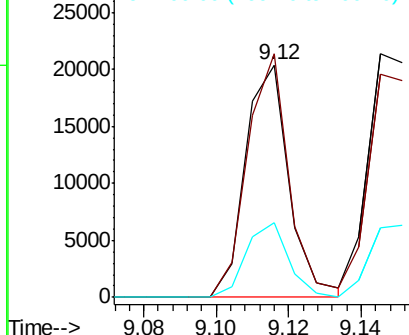
#43
 2,4,6-Trichlorophenol
 Concen: 3.426 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:196 Resp: 17244
 Ion Ratio Lower Upper
 196 100
 198 104.8 75.3 112.9
 200 32.1 24.4 36.6

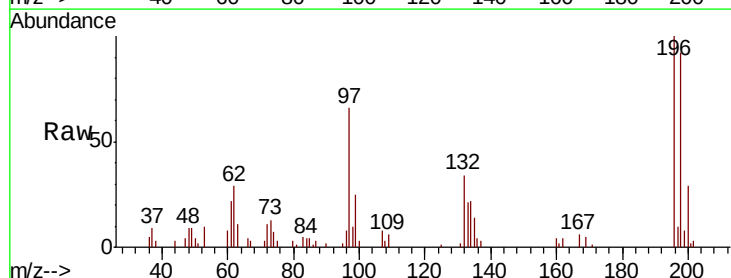


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

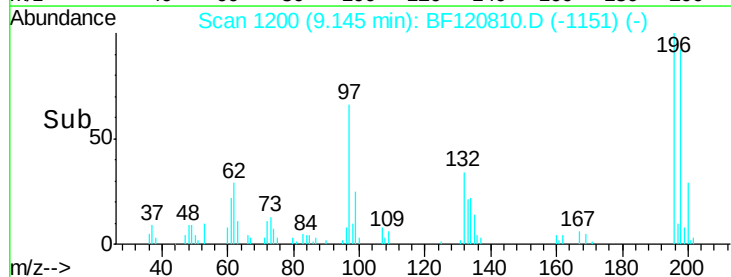
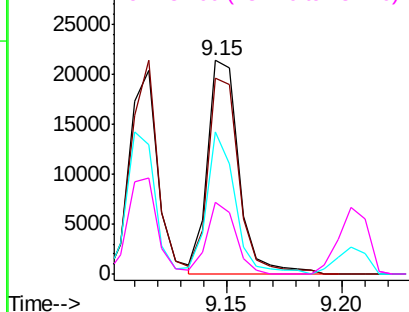


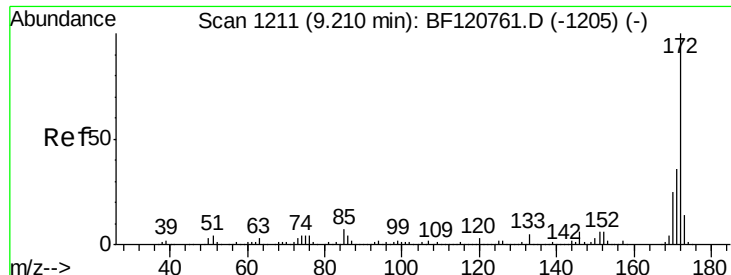
#44
 2,4,5-Trichlorophenol
 Concen: 3.601 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion:196 Resp: 20114
 Ion Ratio Lower Upper
 196 100
 198 91.6 76.2 114.2
 97 66.3 39.6 59.4#
 132 33.8 22.0 33.0#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

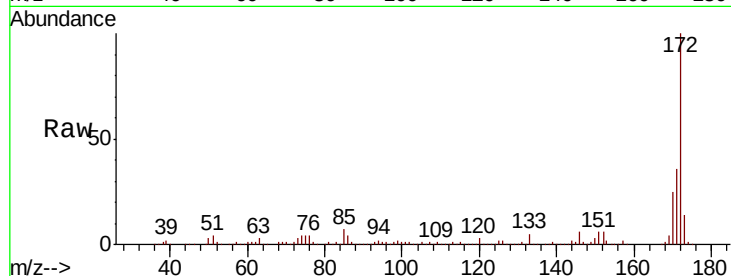




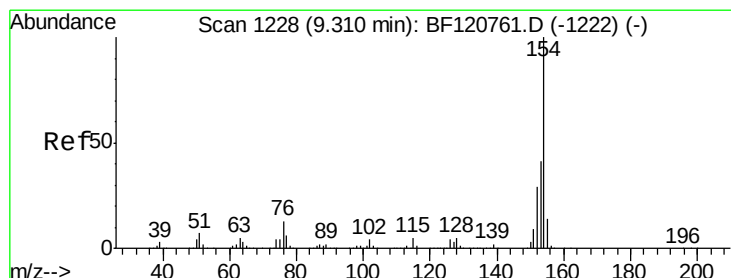
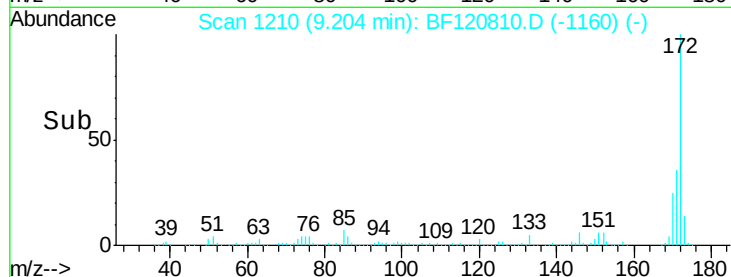
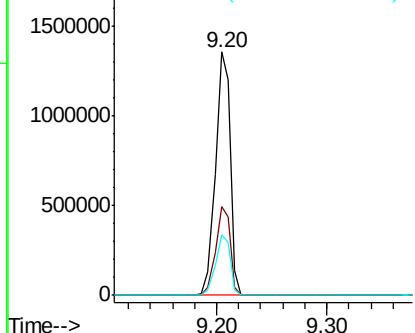
#45
2-Fluorobiphenyl
Concen: 76.873 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:172 Resp: 1241838
Ion Ratio Lower Upper
172 100
171 36.2 29.1 43.7
170 24.8 19.8 29.6

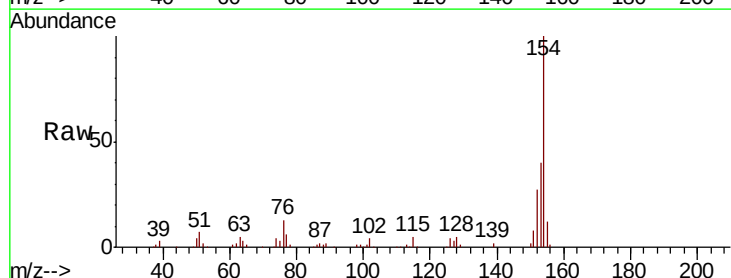


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

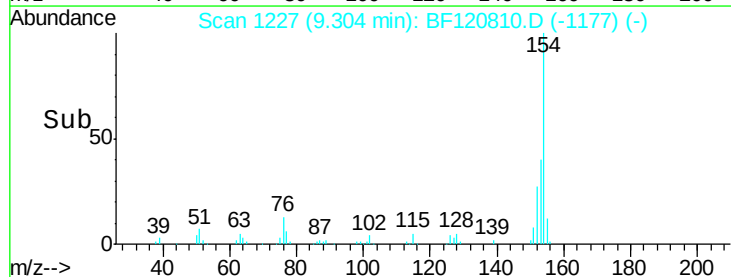
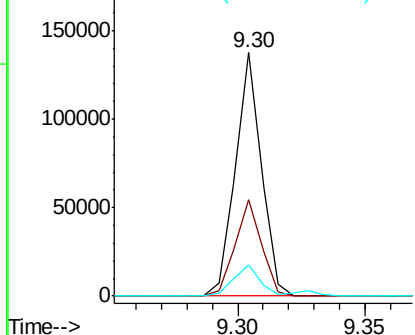


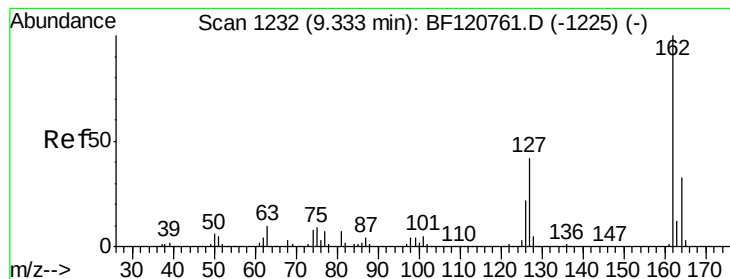
#46
1,1'-Biphenyl
Concen: 4.946 ng
RT: 9.30 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:154 Resp: 97504
Ion Ratio Lower Upper
154 100
153 39.6 20.7 60.7
76 12.9 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: 4.341 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

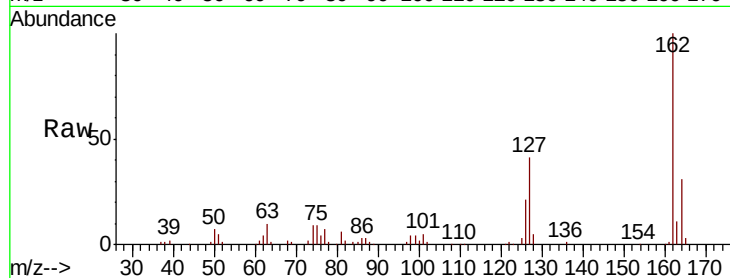
Tot Ion:162 Resp: 68559

Ion Ratio Lower Upper

162 100

127 41.4 33.7 50.5

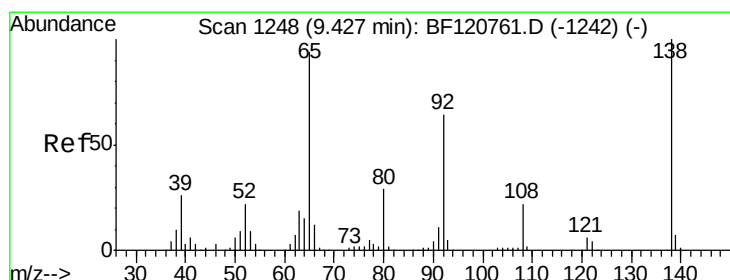
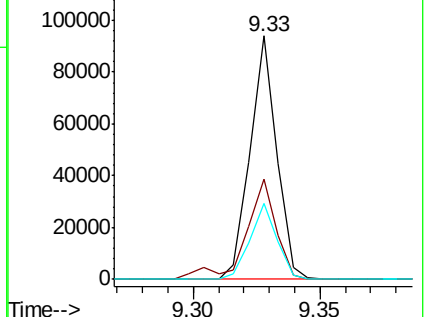
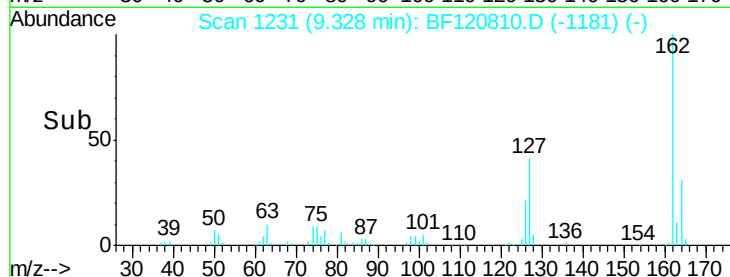
164 30.9 26.4 39.6



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: 3.784 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

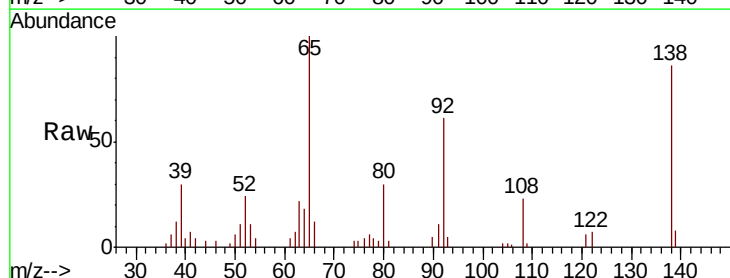
Tgt Ion: 65 Resp: 15990

Ion Ratio Lower Upper

65 100

92 60.8 54.4 81.6

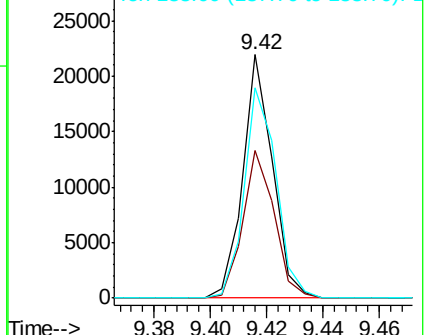
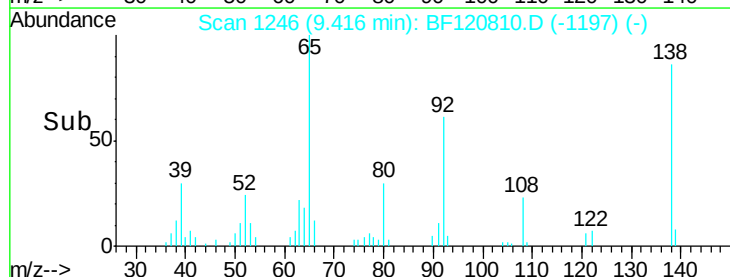
138 86.2 84.7 127.1

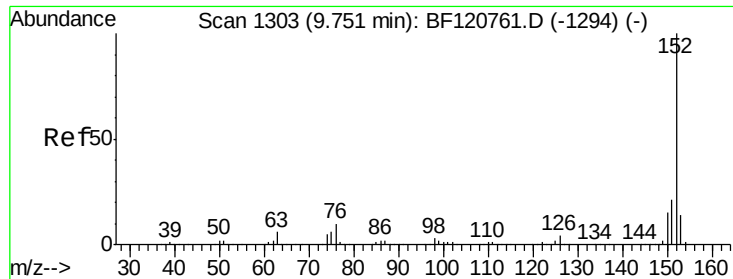


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 4.287 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

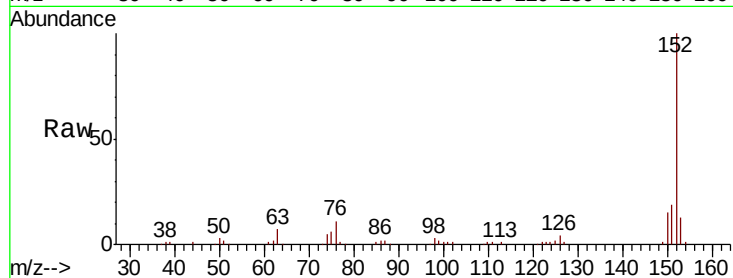
Tot Ion:152 Resp: 106158

Ion Ratio Lower Upper

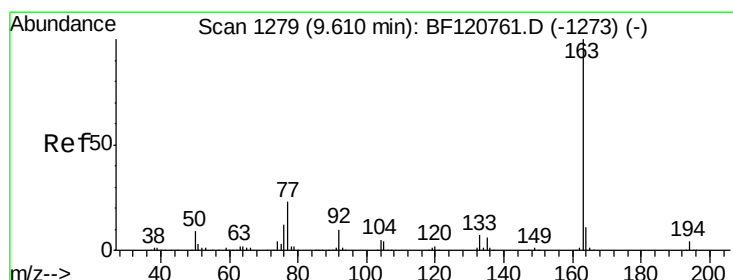
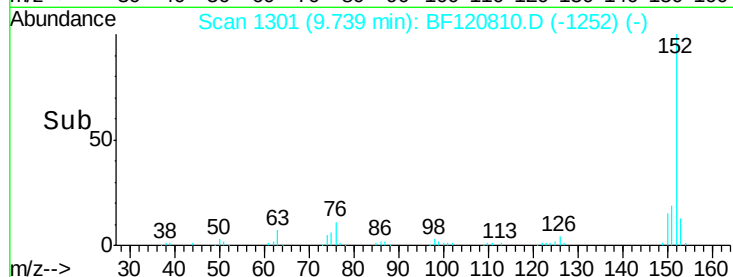
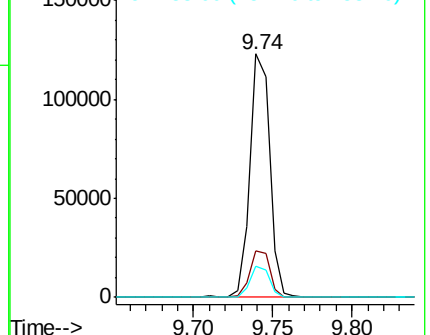
152 100

151 19.1 16.9 25.3

153 12.6 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: 4.166 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

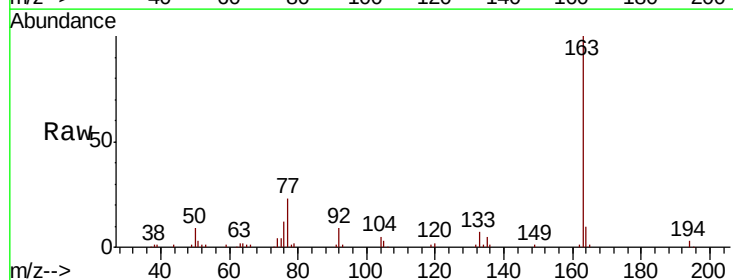
Tgt Ion:163 Resp: 74282

Ion Ratio Lower Upper

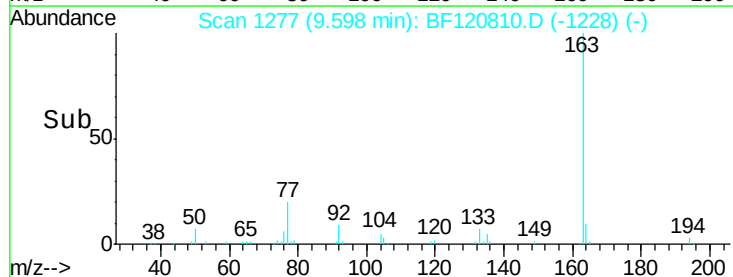
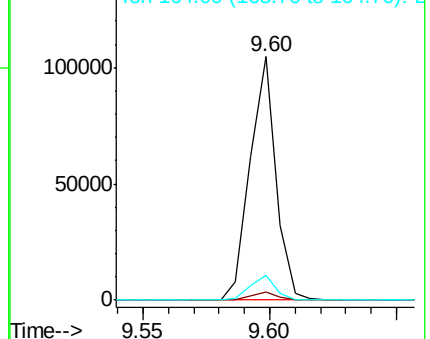
163 100

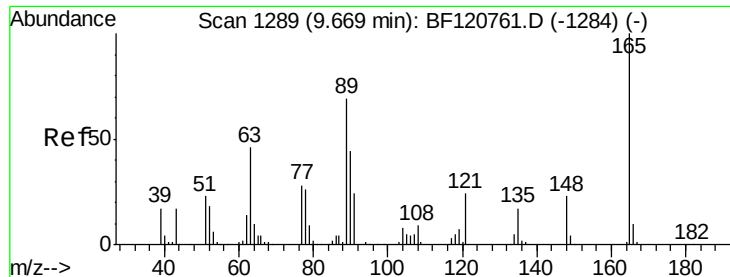
194 3.2 2.9 4.3

164 10.4 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

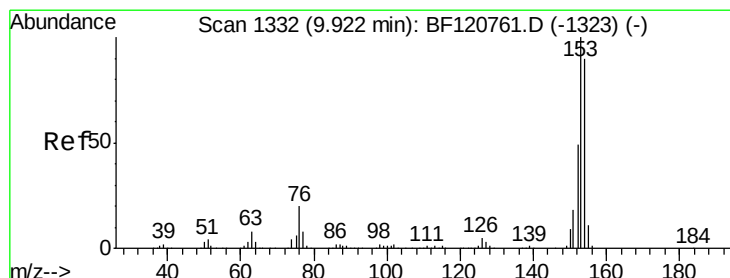
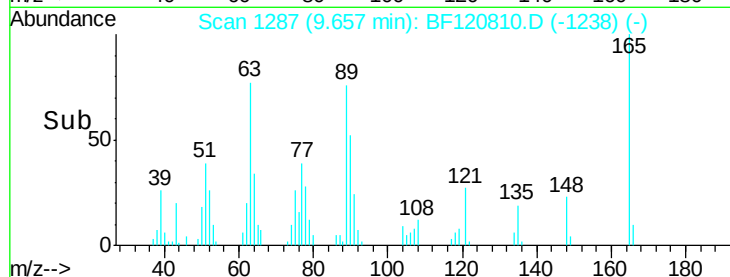
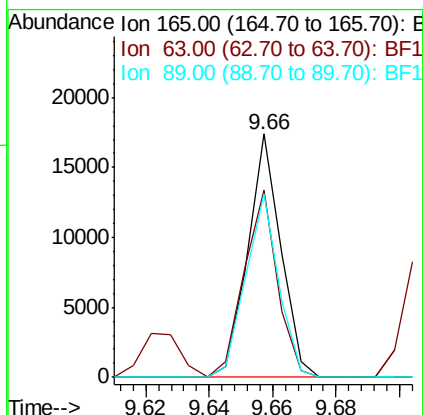
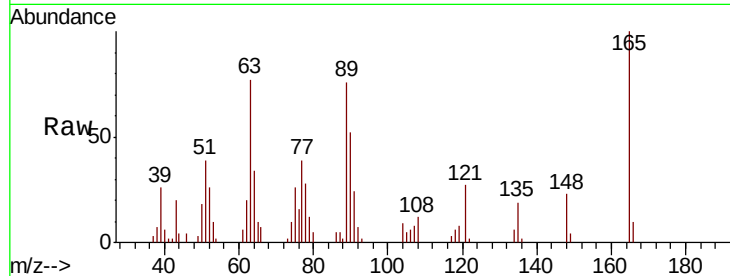




#51
2,6-Dinitrotoluene
Concen: 3.914 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

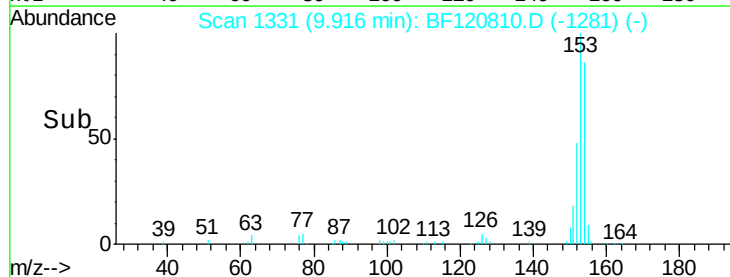
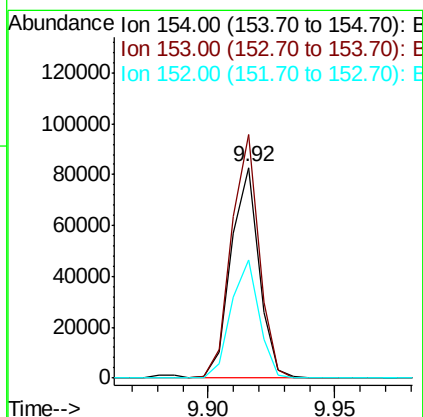
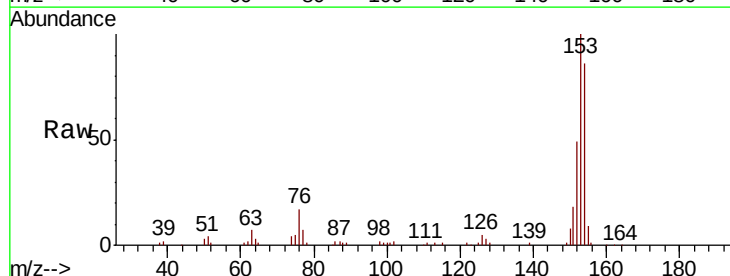
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

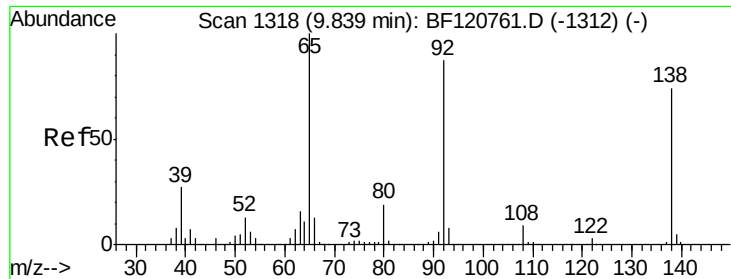
Tot Ion:165 Resp: 12606
Ion Ratio Lower Upper
165 100
63 76.9 54.0 81.0
89 75.6 55.4 83.2



#52
Acenaphthene
Concen: 4.157 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:154 Resp: 63862
Ion Ratio Lower Upper
154 100
153 115.6 88.6 132.8
152 56.4 43.6 65.4

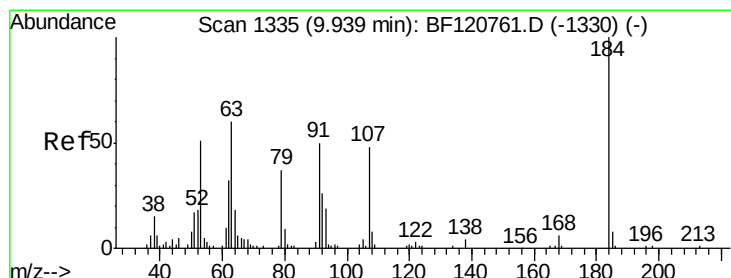
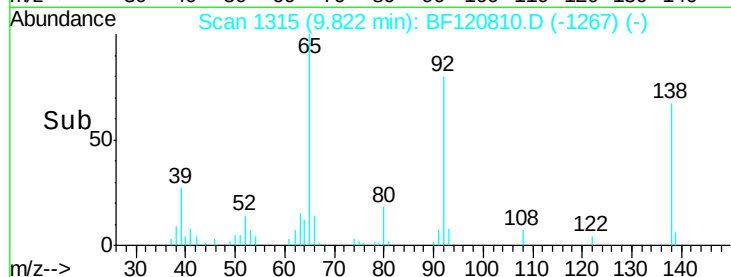
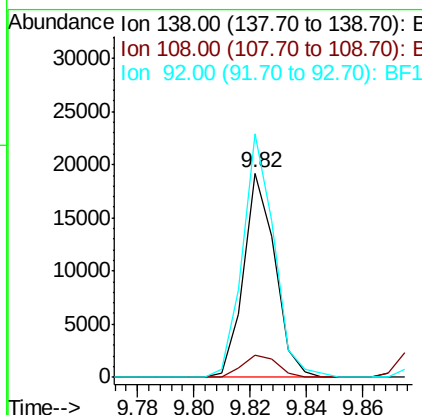
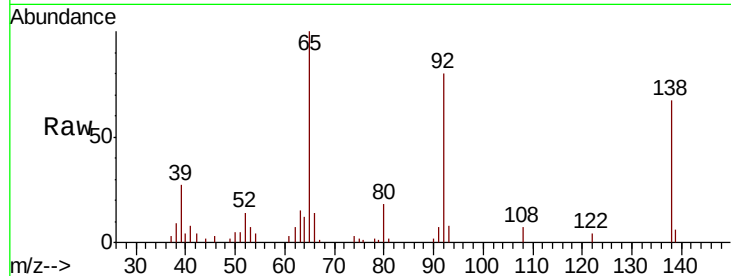




#53
3-Nitroaniline
Concen: 3.715 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

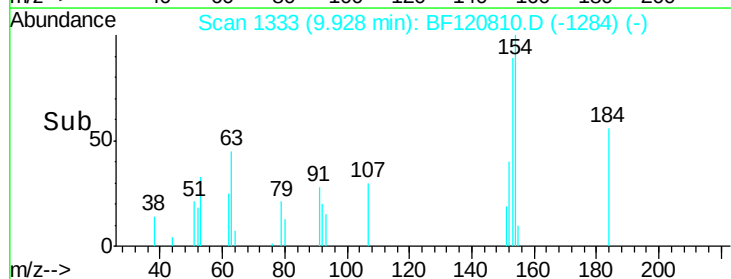
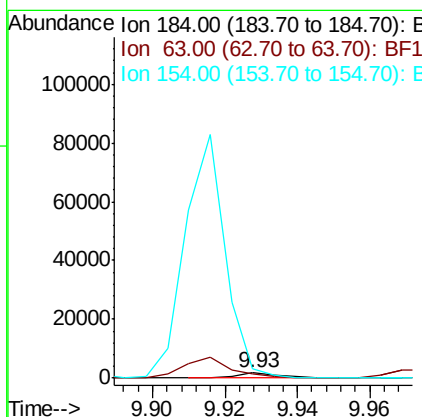
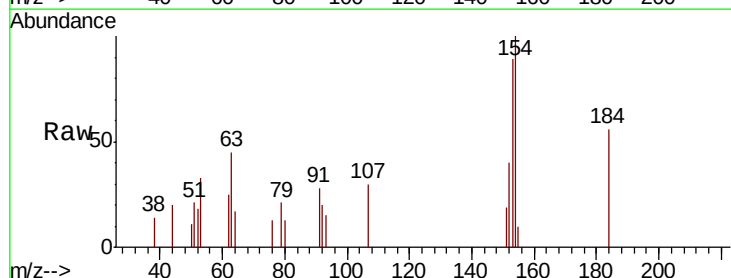
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

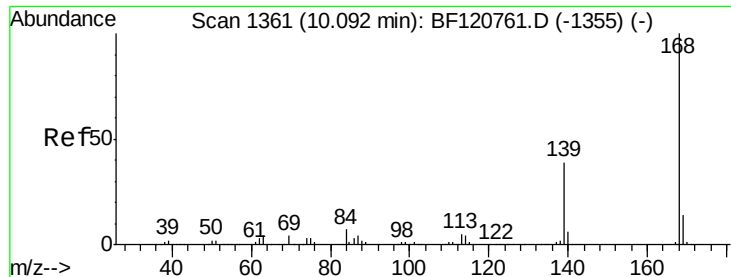
Tot Ion:138 Resp: 14784
Ion Ratio Lower Upper
138 100
108 11.0 9.8 14.6
92 119.3 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 1.287 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:184 Resp: 1369
Ion Ratio Lower Upper
184 100
63 80.2 57.3 85.9
154 179.7 55.8 83.6#





#55

Dibenzenofuran

Concen: 4.461 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

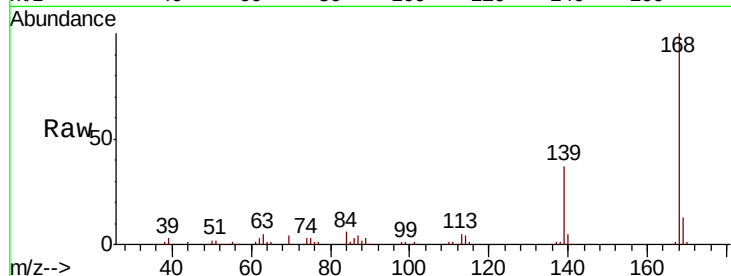
Tot Ion:168 Resp: 98780

Ion Ratio Lower Upper

168 100

139 37.3 31.3 46.9

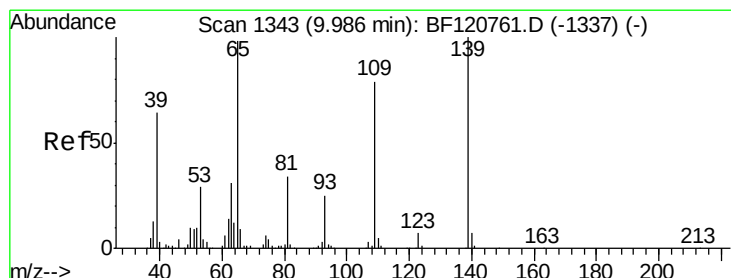
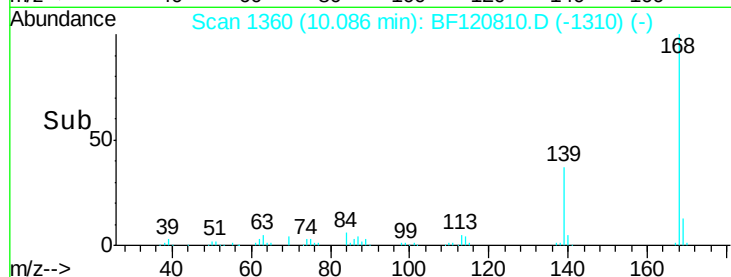
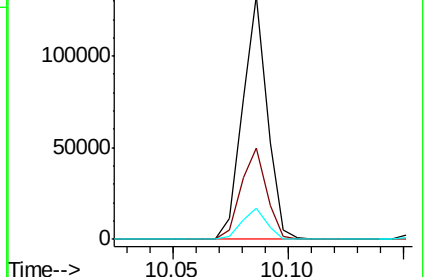
169 12.6 11.2 16.8



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: 2.859 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

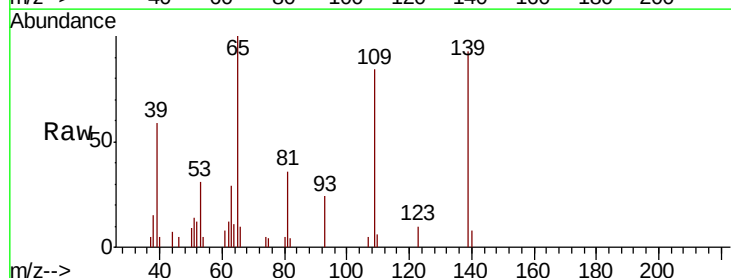
Tgt Ion:139 Resp: 8357

Ion Ratio Lower Upper

139 100

109 90.4 58.6 98.6

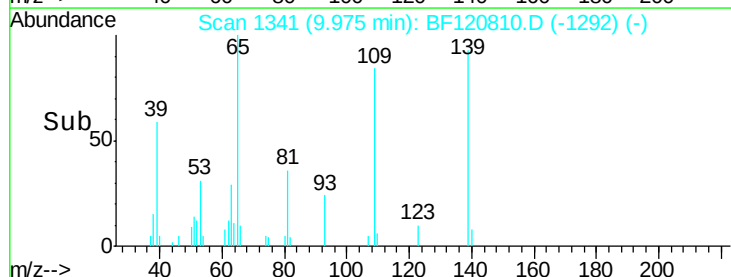
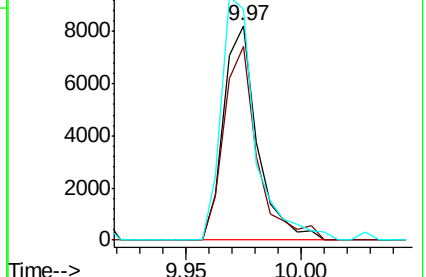
65 107.4 78.7 118.7

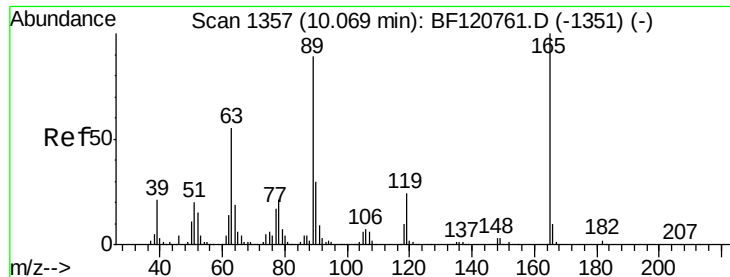


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 3.550 ng

RT: 10.06 min Scan# 1355

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:165 Resp: 13728

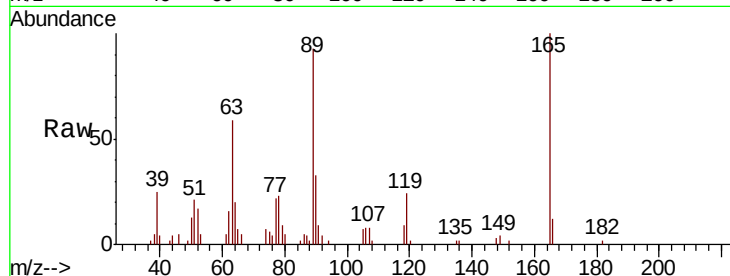
Ion Ratio Lower Upper

165 100

63 59.4 43.8 65.8

89 93.3 71.4 107.2

182 2.3 1.8 2.6

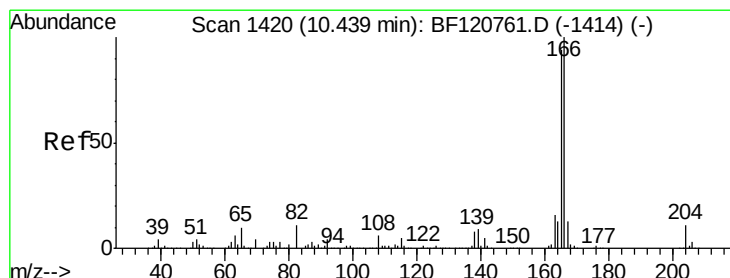
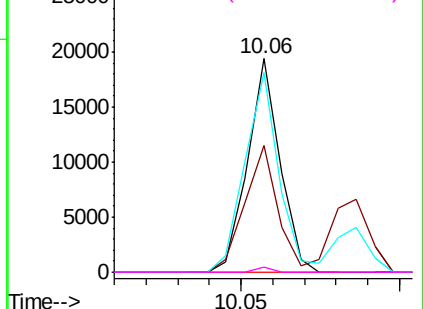
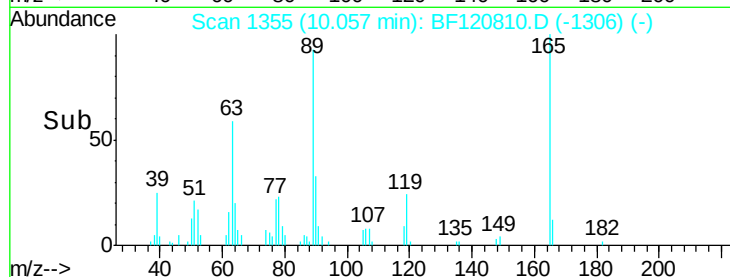


Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.496 ng

RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

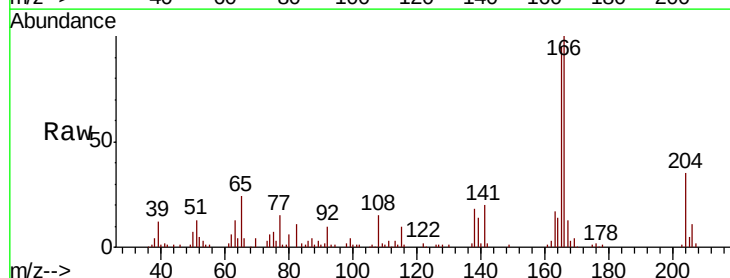
Tgt Ion:166 Resp: 74100

Ion Ratio Lower Upper

166 100

165 94.9 75.5 113.3

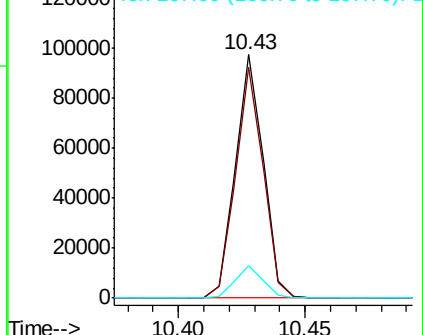
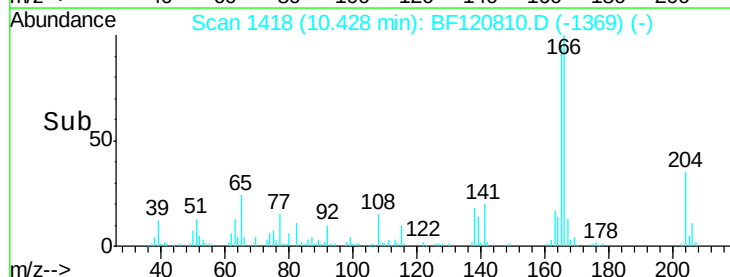
167 13.4 10.6 16.0

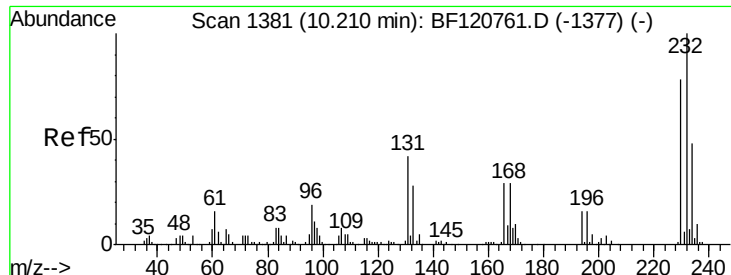


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

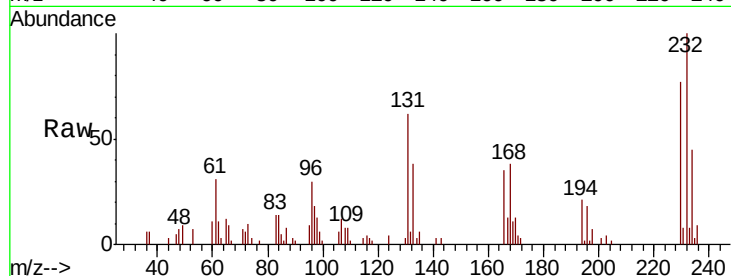




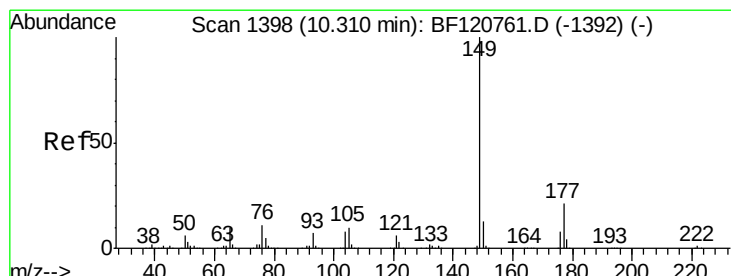
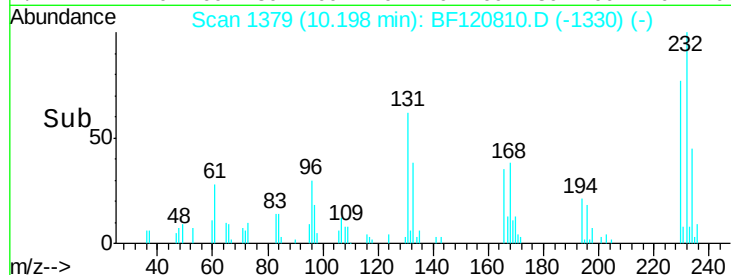
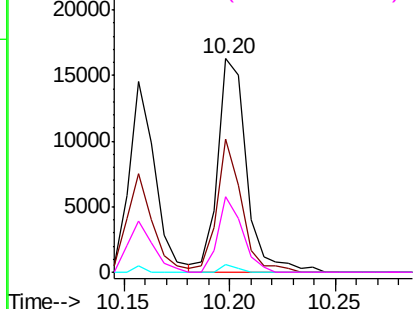
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.749 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:232 Resp: 15583
Ion Ratio Lower Upper
232 100
131 54.0 36.3 54.5
130 2.0 2.0 3.0
166 29.5 20.9 31.3

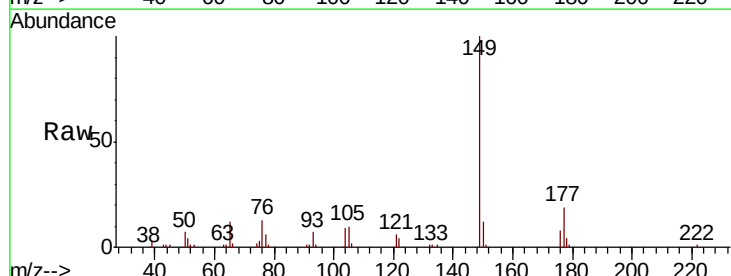


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

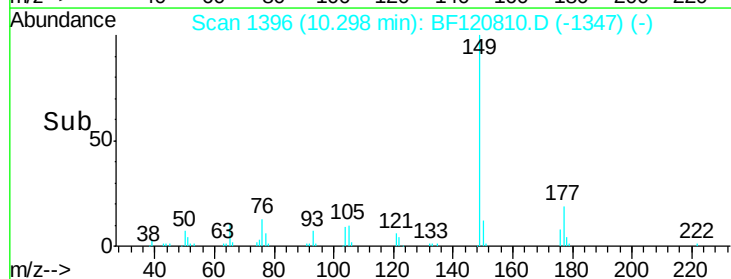
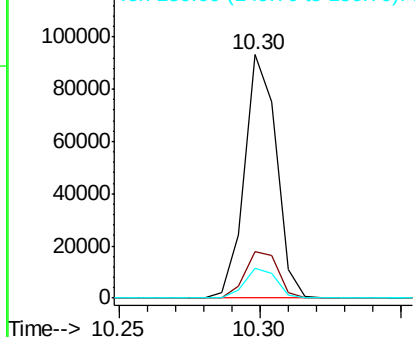


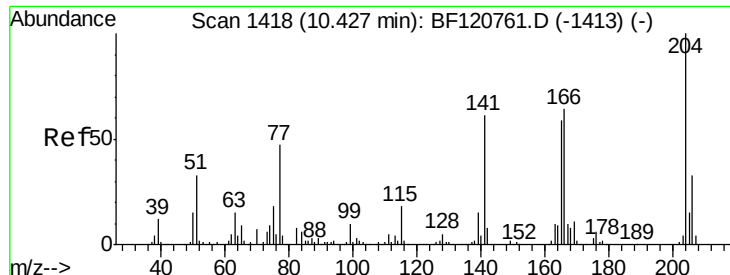
#60
Diethylphthalate
Concen: 3.909 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:149 Resp: 72592
Ion Ratio Lower Upper
149 100
177 18.9 16.4 24.6
150 12.1 10.2 15.4



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

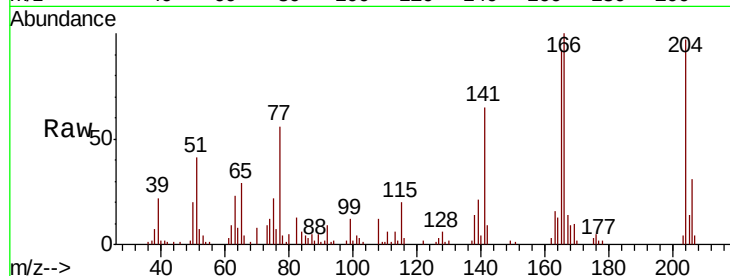




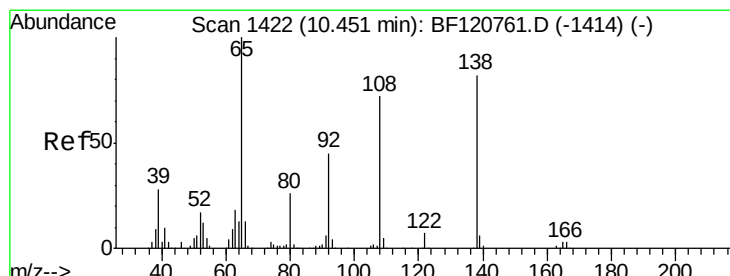
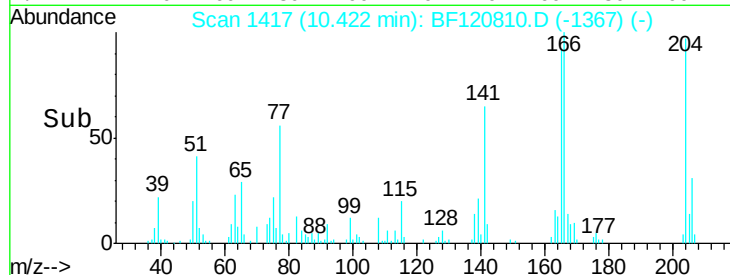
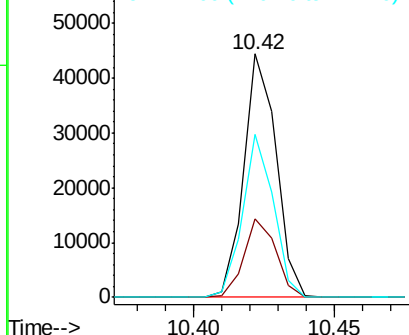
#61
 4-Chlorophenyl-phenylether
 Concen: 4.266 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:204 Resp: 35346
 Ion Ratio Lower Upper
 204 100
 206 32.1 26.7 40.1
 141 67.0 48.5 72.7

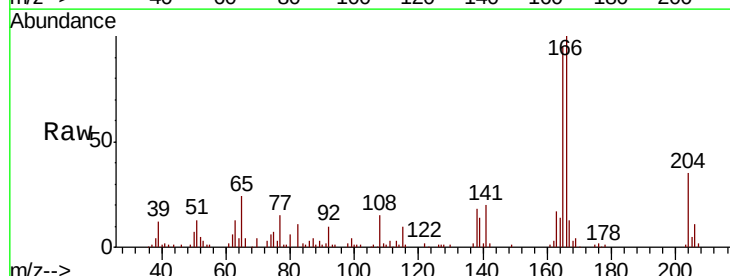


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

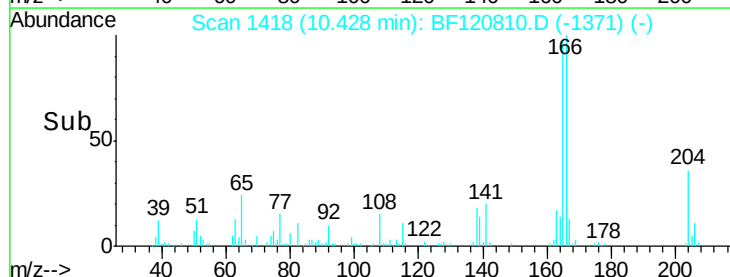
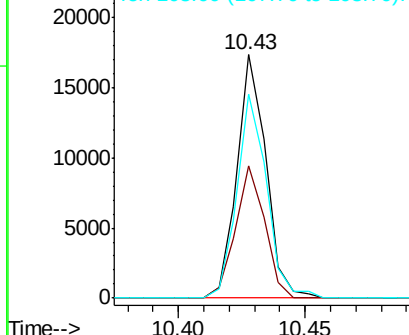


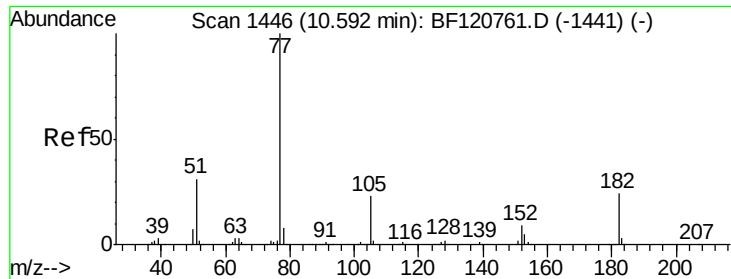
#62
 4-Nitroaniline
 Concen: 3.645 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion:138 Resp: 13806
 Ion Ratio Lower Upper
 138 100
 92 54.6 34.3 74.3
 108 84.0 68.3 108.3



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E

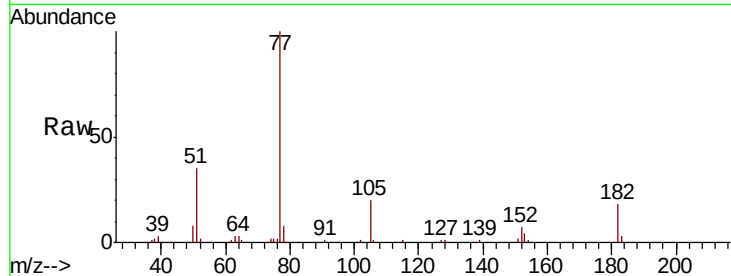




#63
Azobenzene
Concen: 4.206 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
77	100		
182	18.1	4.0	44.0
105	20.2	2.6	42.6
51	35.5	11.5	51.5

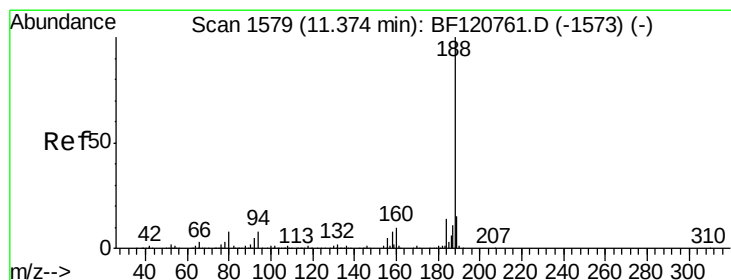
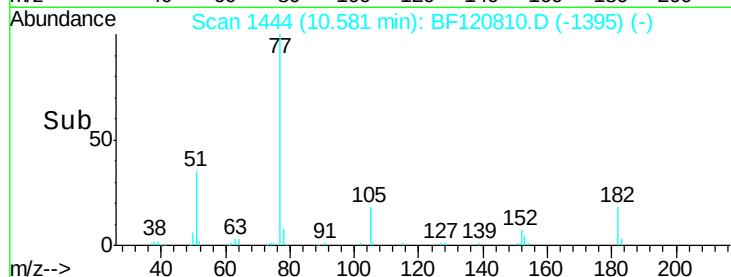
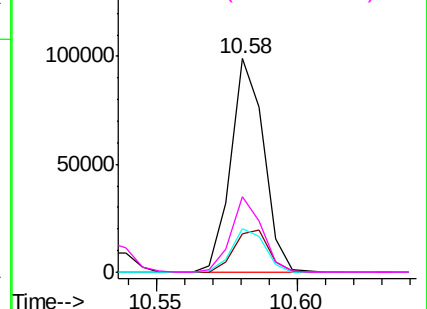


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

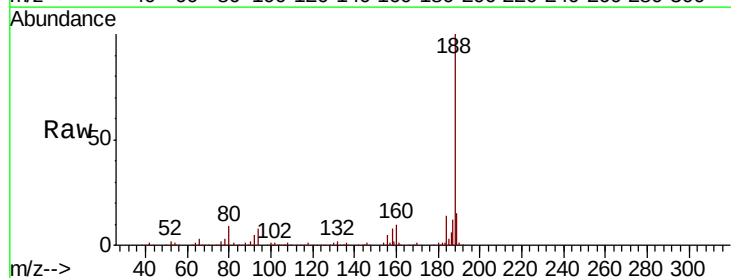
Ion 105.00 (104.70 to 105.70): BF1

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: BF120810.D
Acq: 9 Jul 2020 11:04

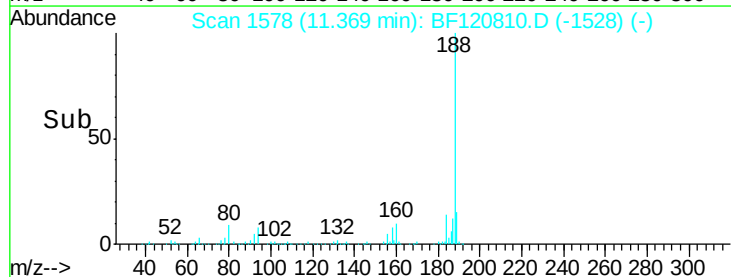
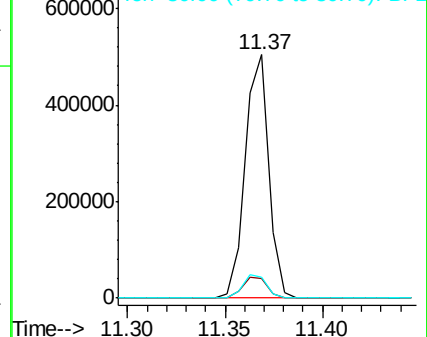
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.6	9.8
80	8.5	6.6	10.0

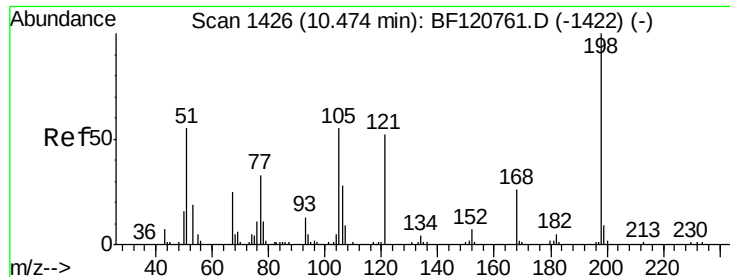


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

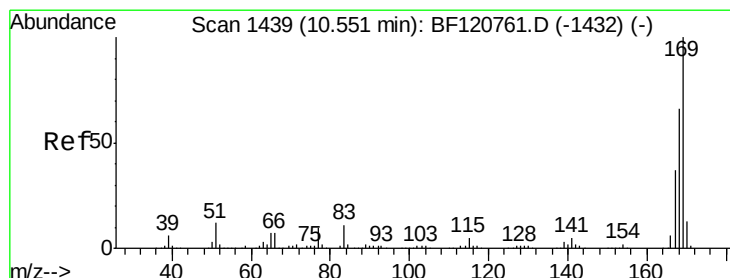
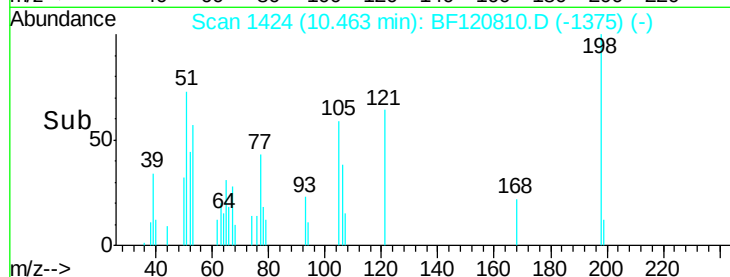
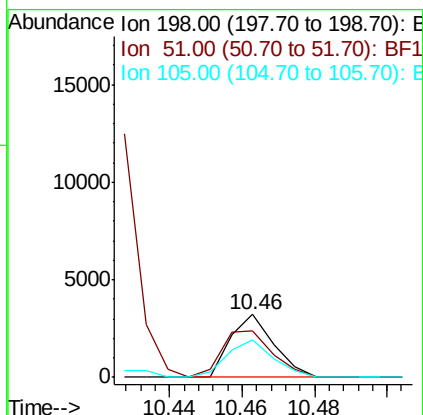
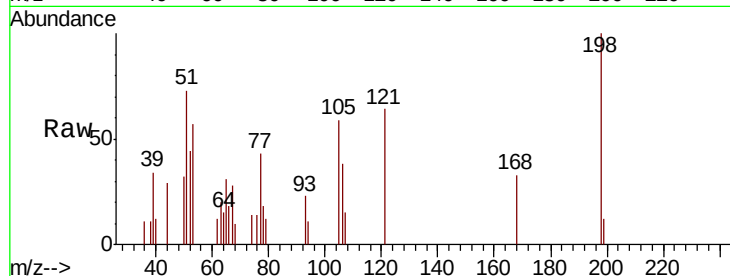




#65
 4,6-Dinitro-2-methylphenol
 Concen: 1.980 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

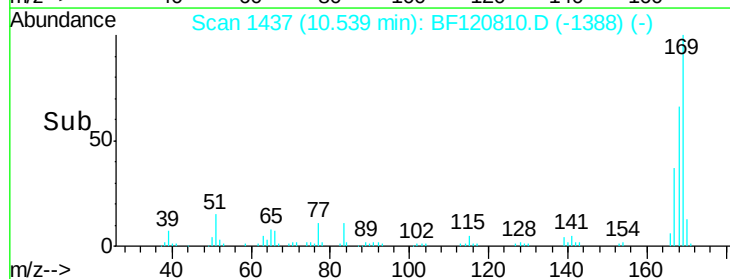
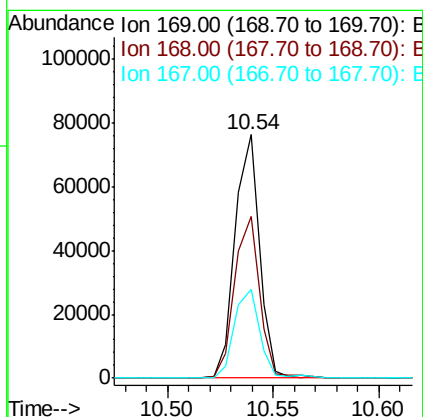
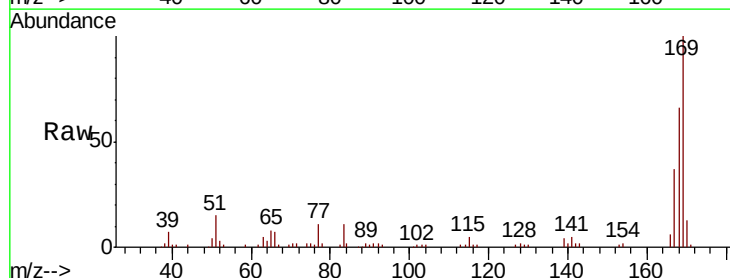
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

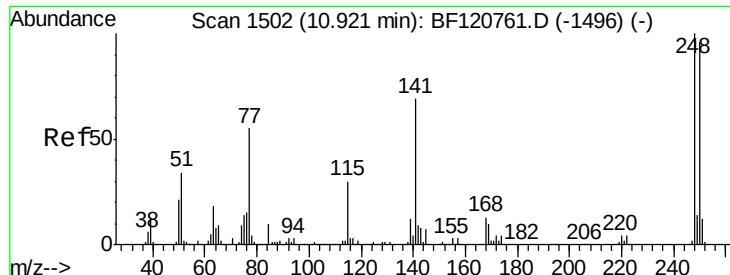
Tot Ion:198 Resp: 2693
 Ion Ratio Lower Upper
 198 100
 51 73.3 50.0 90.0
 105 58.8 38.3 78.3



#66
 n-Nitrosodiphenylamine
 Concen: 4.291 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion:169 Resp: 60886
 Ion Ratio Lower Upper
 169 100
 168 66.3 53.1 79.7
 167 36.5 29.6 44.4

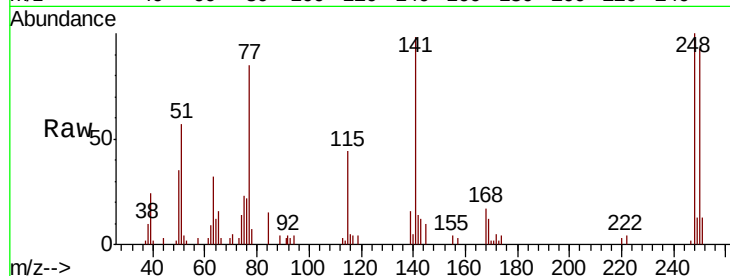




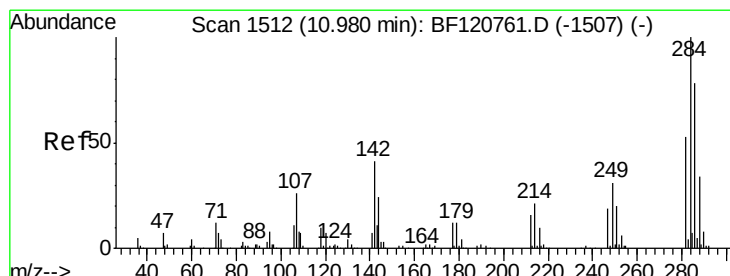
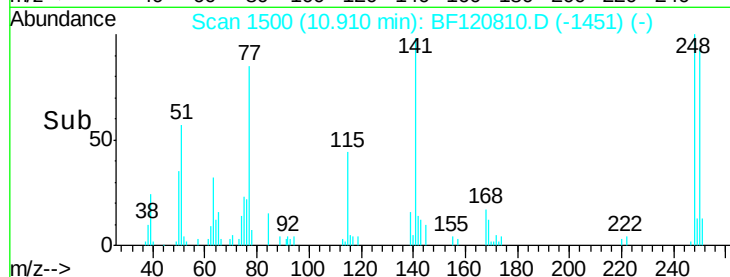
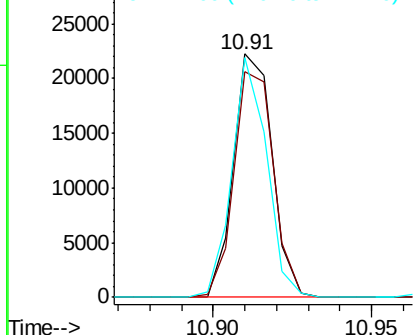
#67
4-Bromophenyl-phenylether
Concen: 3.818 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:248 Resp: 18749
Ion Ratio Lower Upper
248 100
250 92.8 76.5 114.7
141 98.5 54.9 82.3#

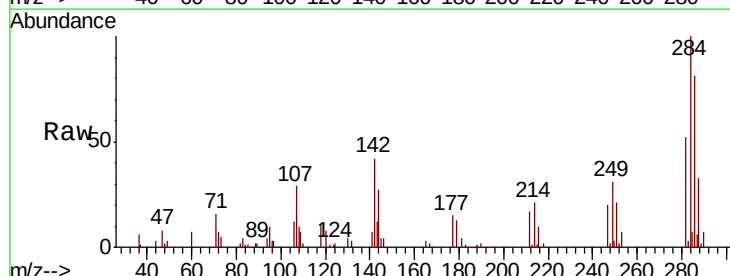


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

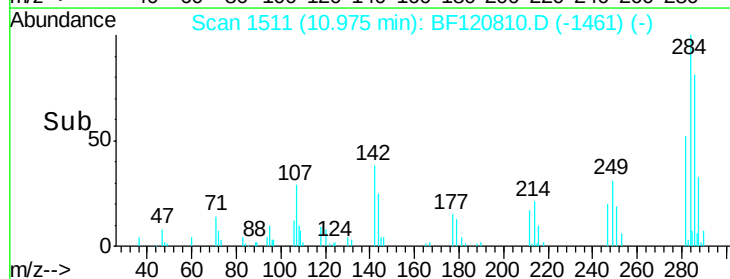
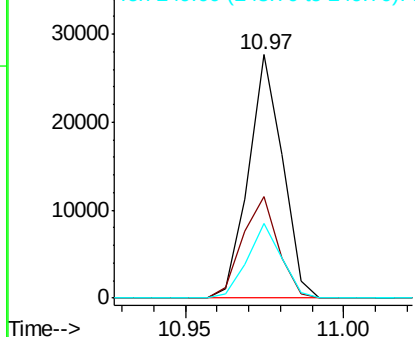


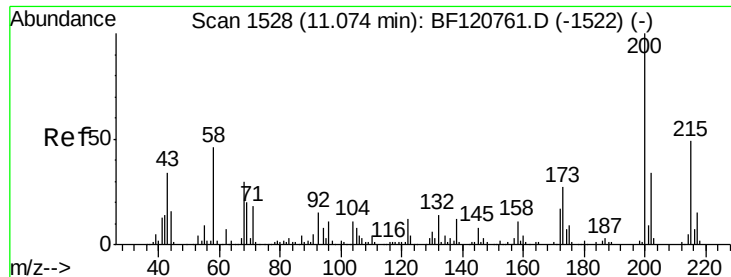
#68
Hexachlorobenzene
Concen: 3.987 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:284 Resp: 20545
Ion Ratio Lower Upper
284 100
142 41.7 32.5 48.7
249 34.1 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

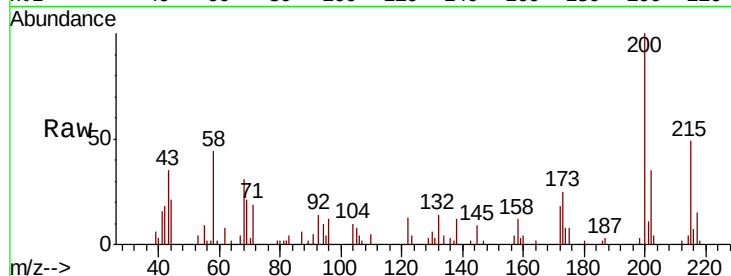




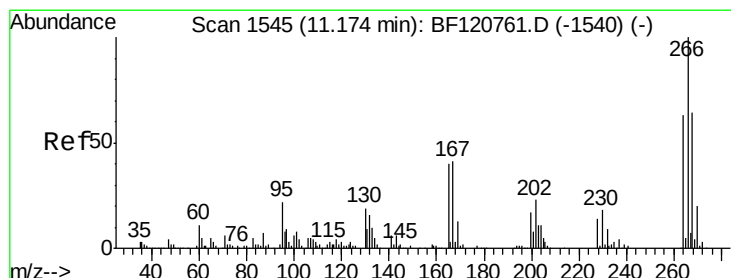
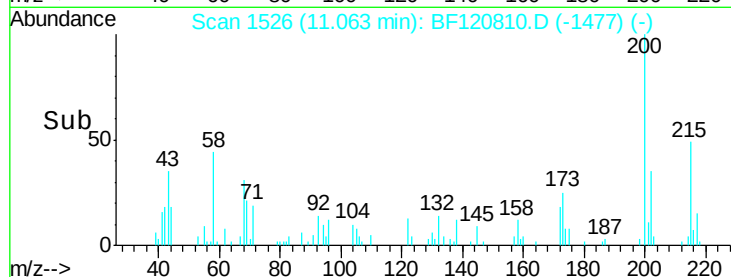
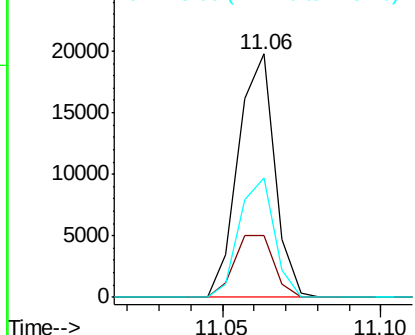
#69
Atrazine
Concen: 4.302 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:200 Resp: 15727
Ion Ratio Lower Upper
200 100
173 25.4 7.4 47.4
215 49.1 28.8 68.8

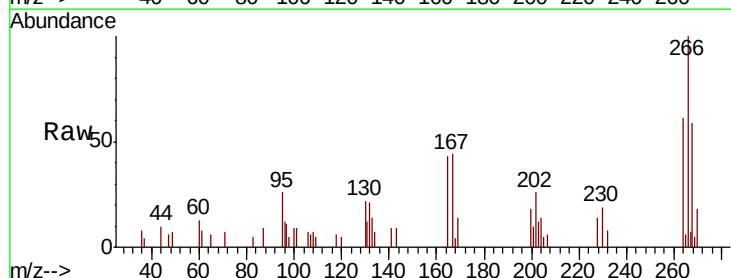


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

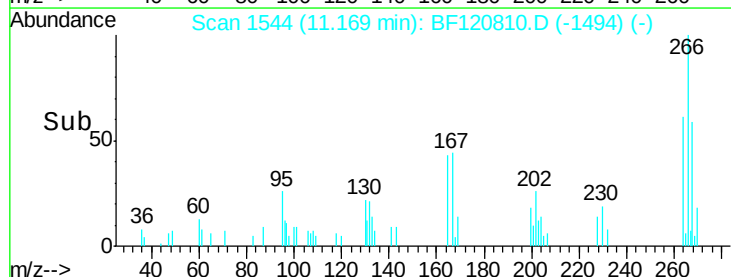
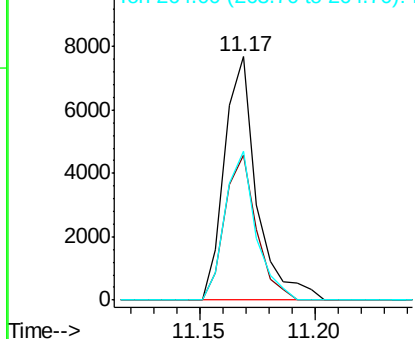


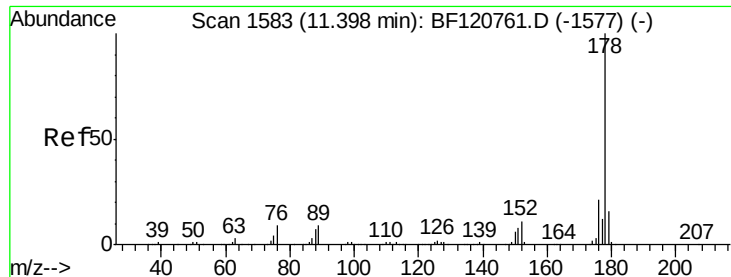
#70
Pentachlorophenol
Concen: 2.559 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:266 Resp: 7461
Ion Ratio Lower Upper
266 100
268 64.7 51.4 77.2
264 66.8 50.6 75.8



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

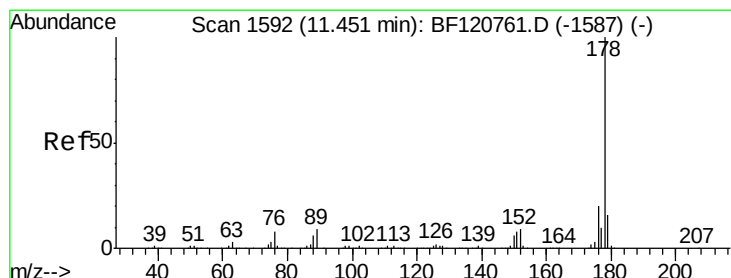
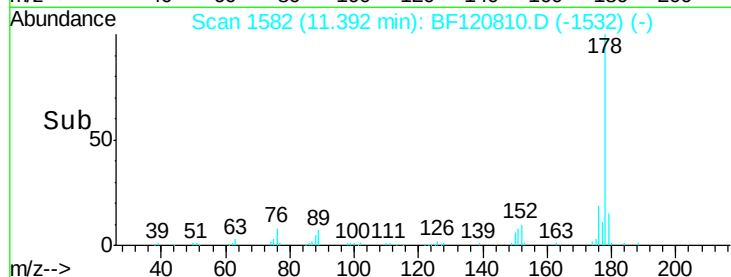
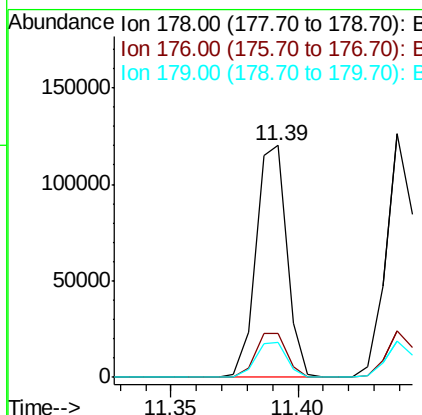
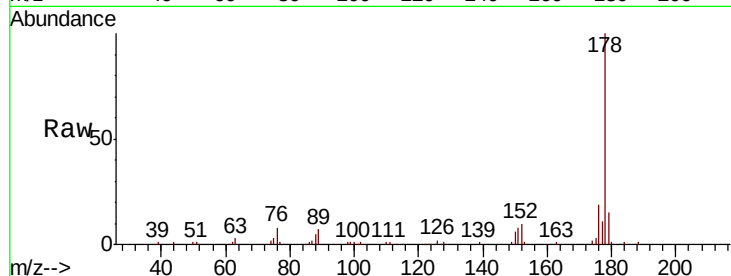




#71
Phenanthrene
Concen: 4.476 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

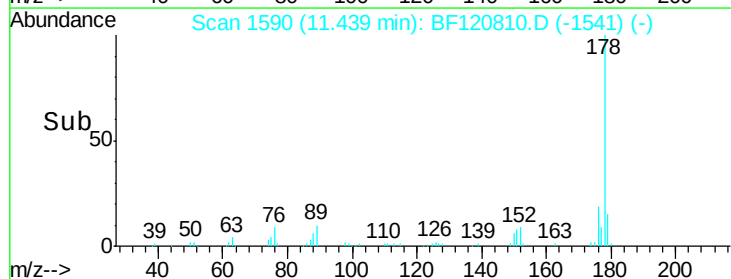
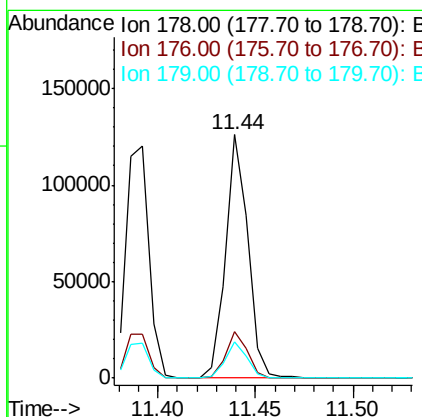
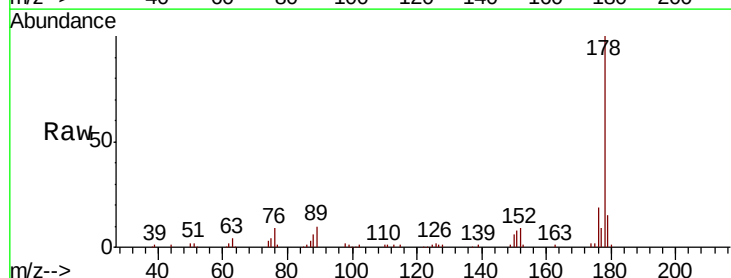
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

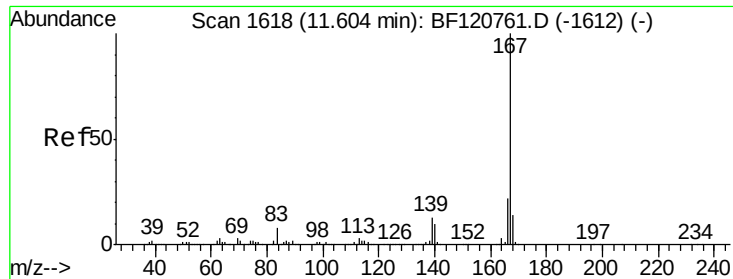
Tot Ion:178 Resp: 102799
Ion Ratio Lower Upper
178 100
176 19.0 16.4 24.6
179 15.2 12.9 19.3



#72
Anthracene
Concen: 4.308 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:178 Resp: 99992
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.2
179 14.9 12.7 19.1

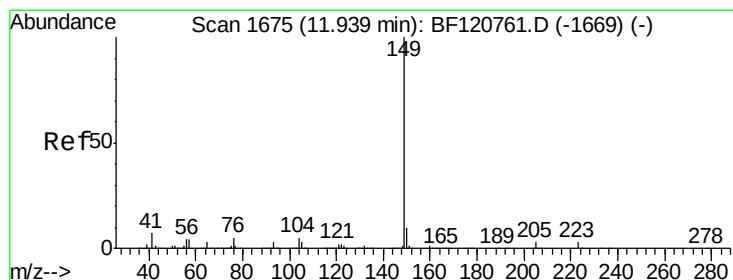
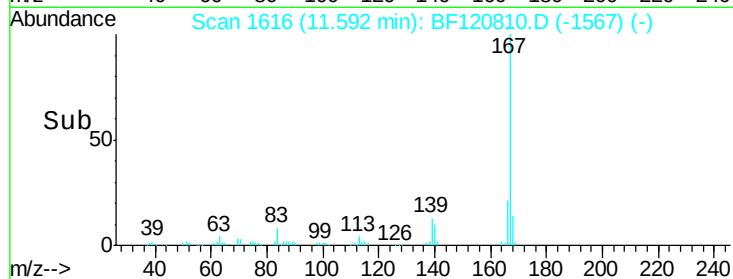
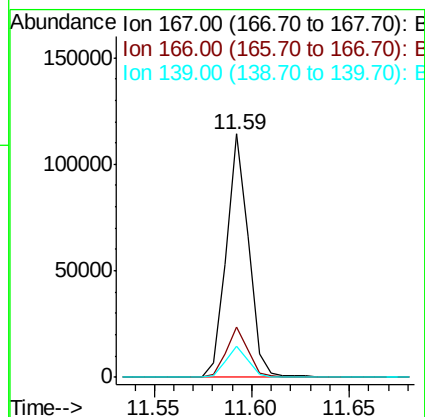
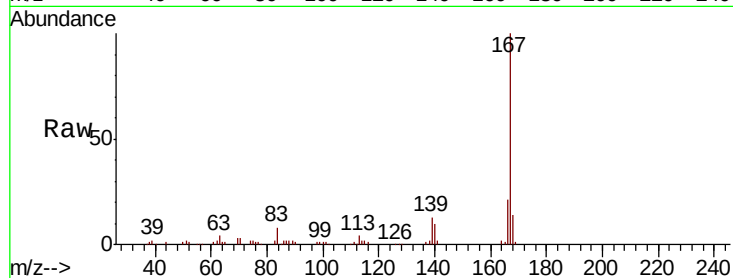




#73
 Carbazole
 Concen: 4.042 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

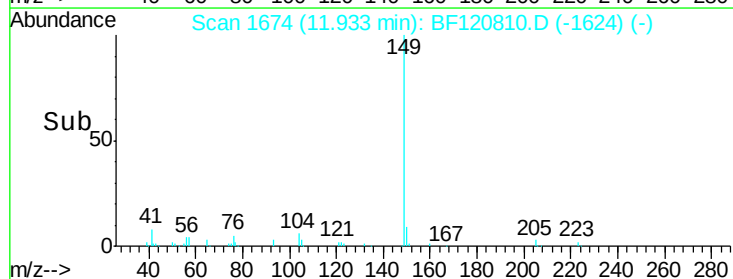
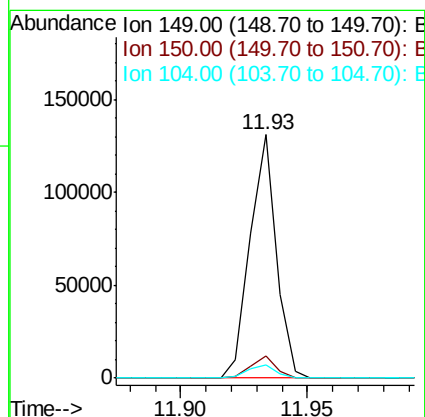
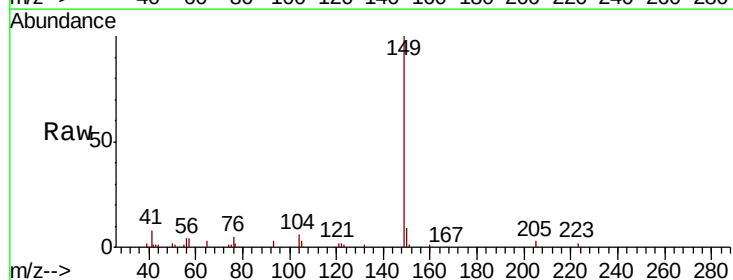
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

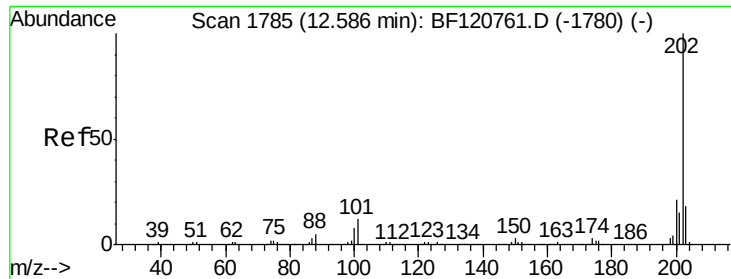
Tot Ion:167 Resp: 90161
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.8 26.8
 139 13.0 10.7 16.1



#74
 Di-n-butylphthalate
 Concen: 3.439 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion:149 Resp: 94958
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.7 11.5
 104 5.6 4.0 6.0

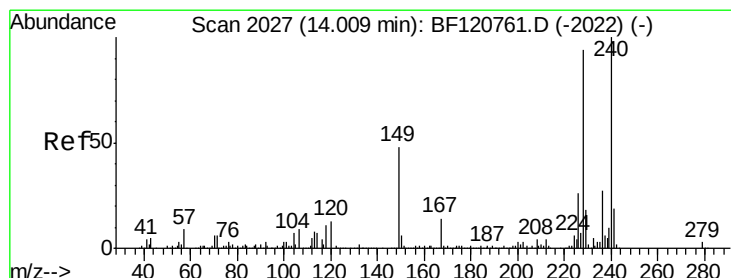
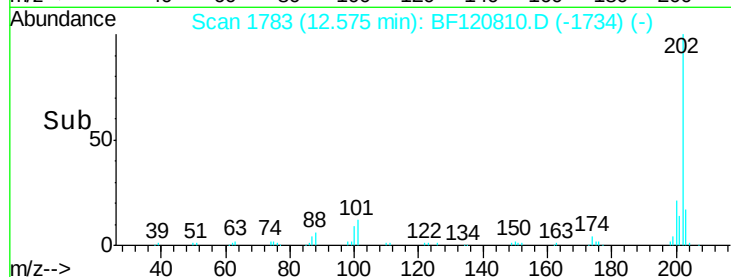
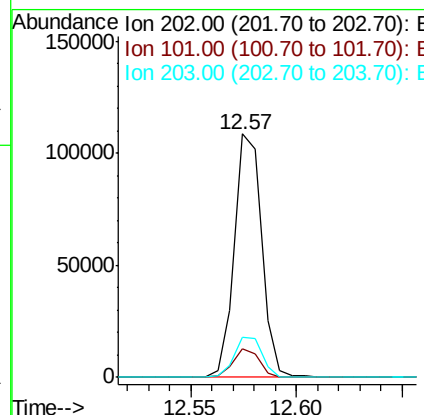
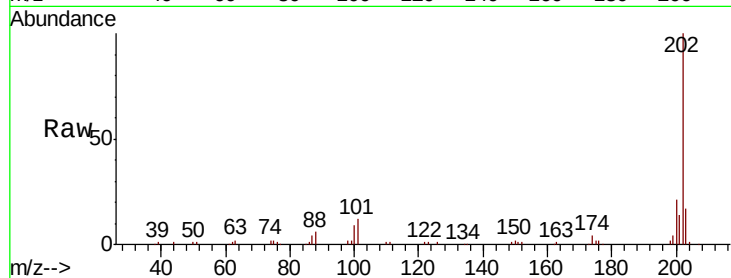




#75
Fluoranthene
Concen: 3.953 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

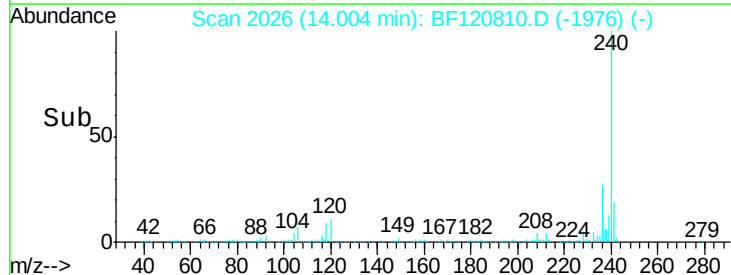
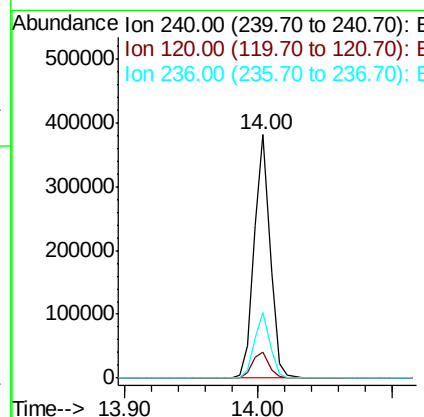
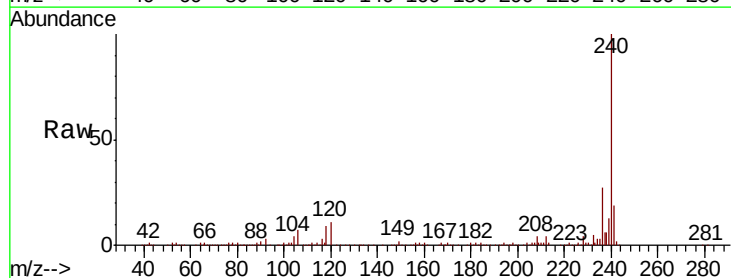
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

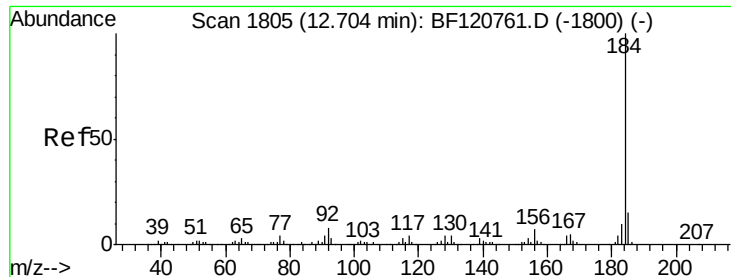
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.6
203	16.7	0.0	38.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.3	15.5
236	26.8	21.4	32.2





#77

Benzidine

Concen: 3.514 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

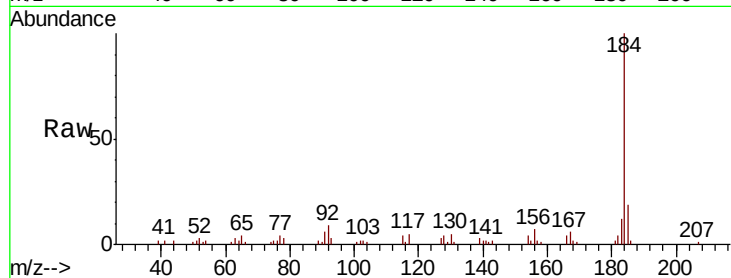
Tot Ion:184 Resp: 30724

Ion Ratio Lower Upper

184 100

185 19.5 11.8 17.8#

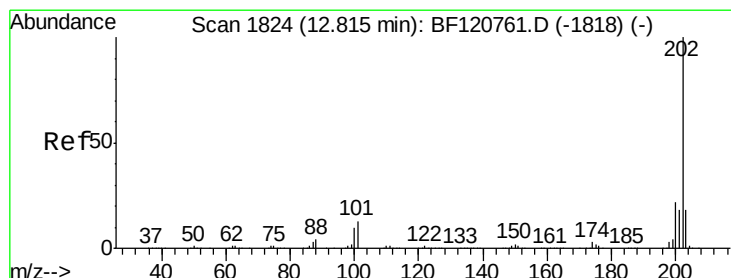
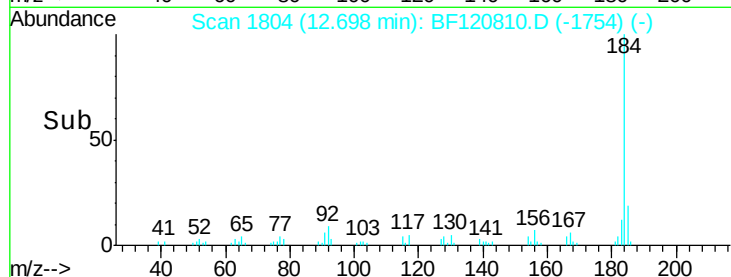
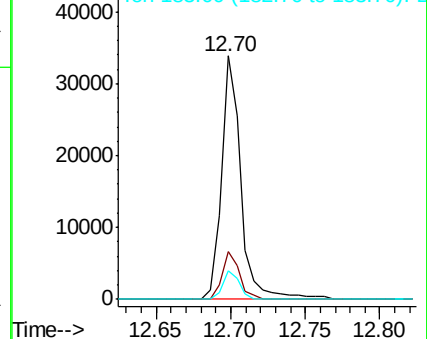
183 11.8 8.3 12.5



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: 4.079 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

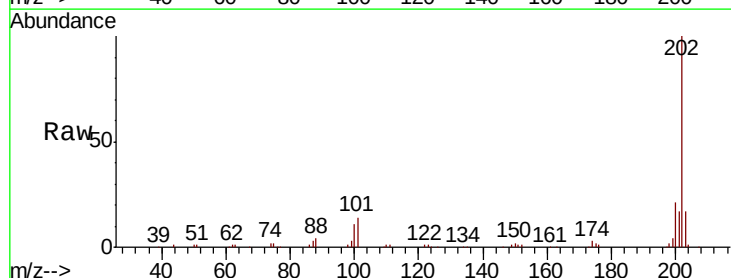
Tgt Ion:202 Resp: 100917

Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

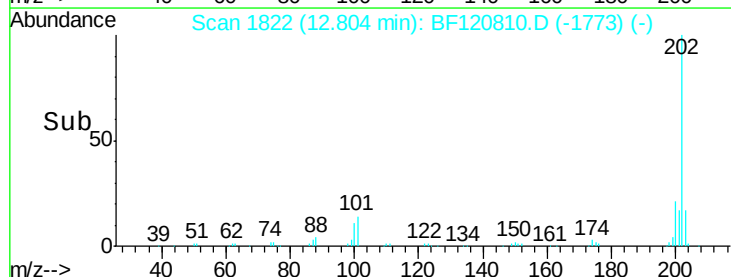
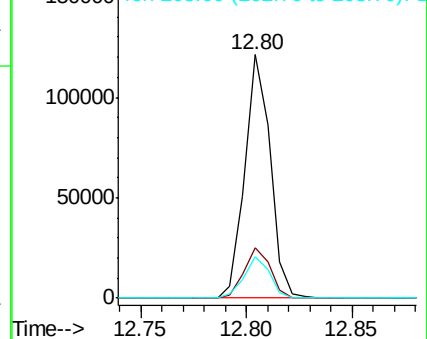
203 17.0 14.6 22.0

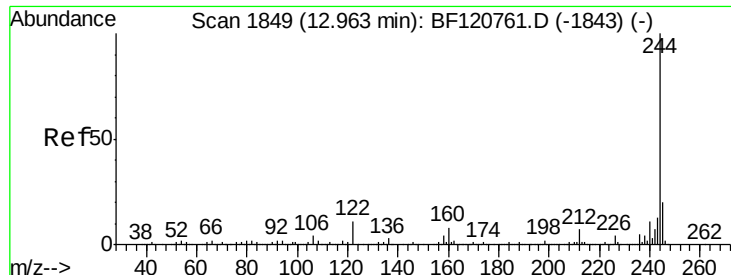


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.656 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

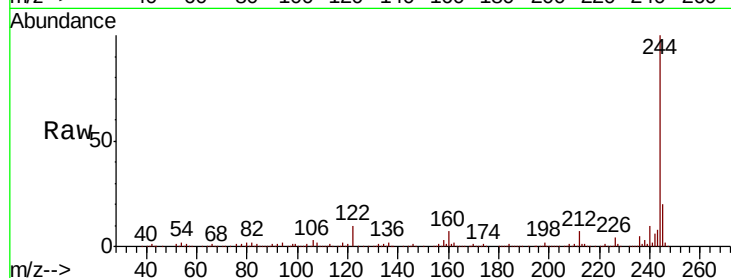
Tot Ion:244 Resp: 991226

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

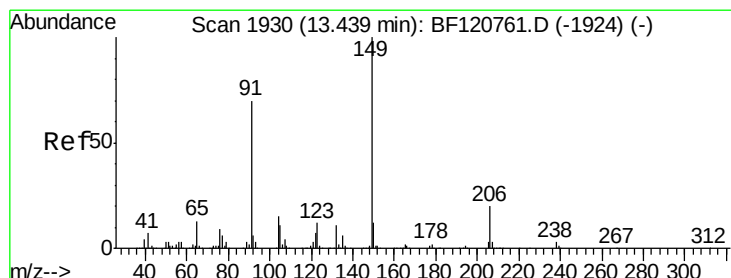
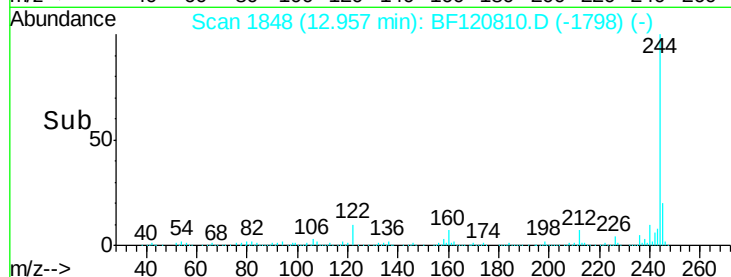
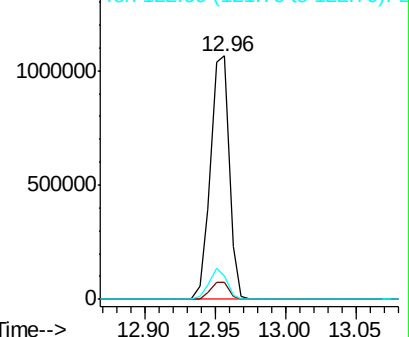
122 9.8 9.0 13.4



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: 2.702 ng

RT: 13.43 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

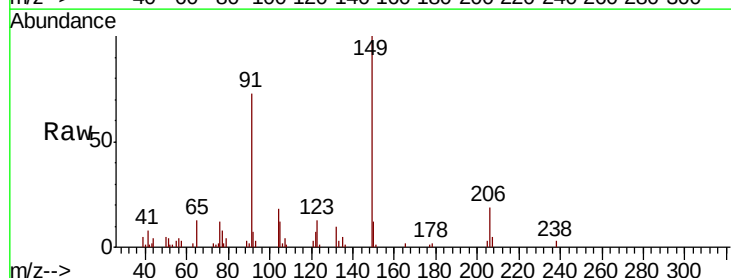
Tgt Ion:149 Resp: 28857

Ion Ratio Lower Upper

149 100

91 73.1 55.8 83.8

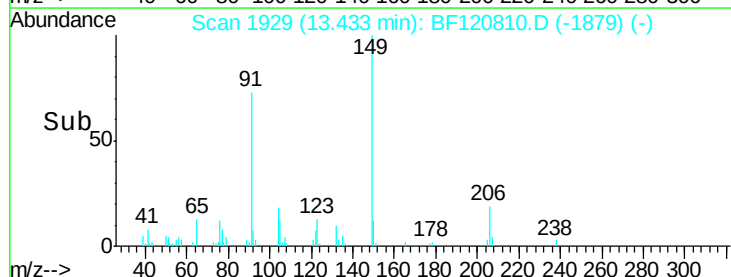
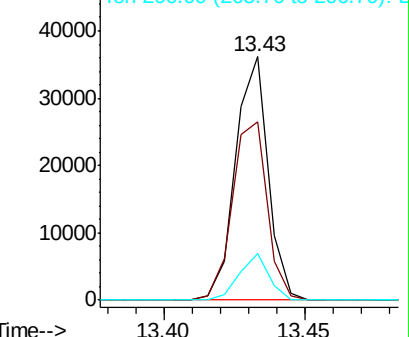
206 19.1 15.7 23.5

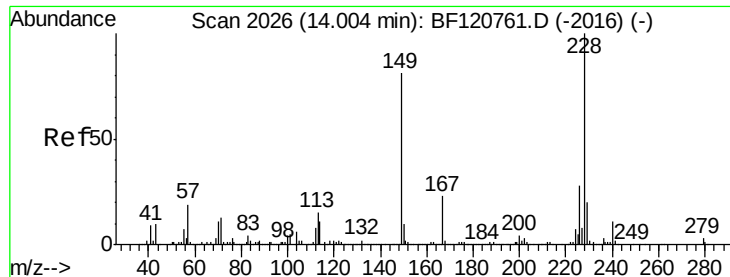


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

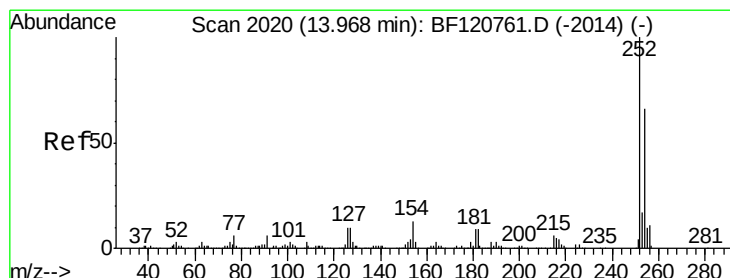
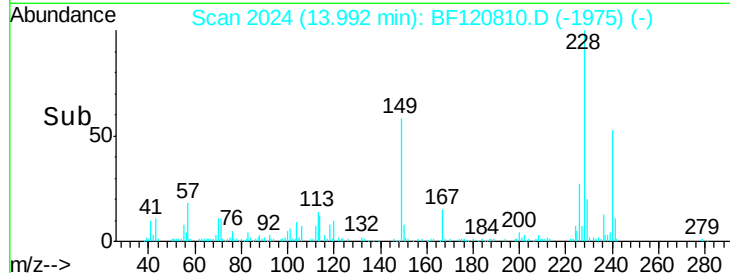
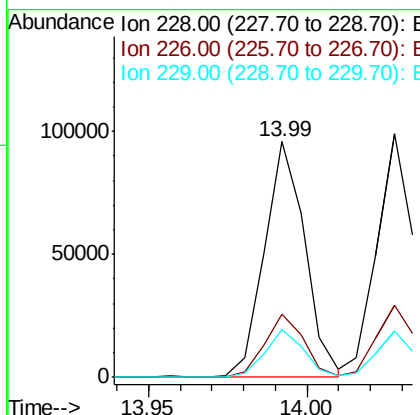
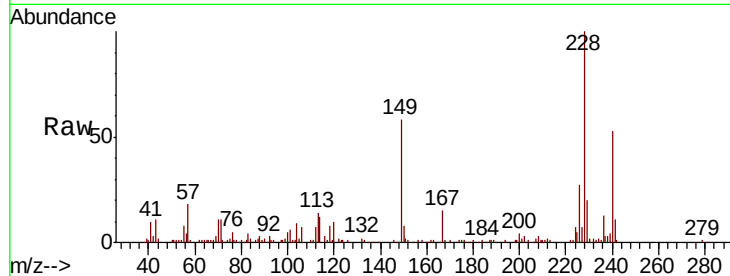




#81
Benzo(a)anthracene
Concen: 4.281 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

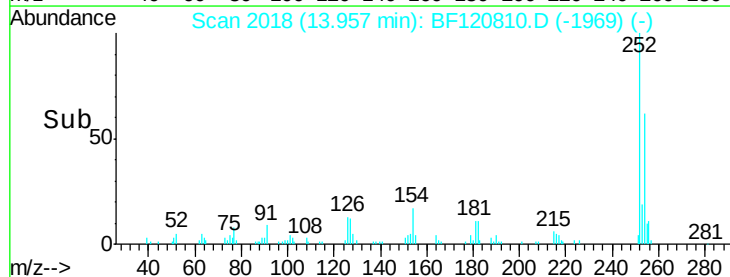
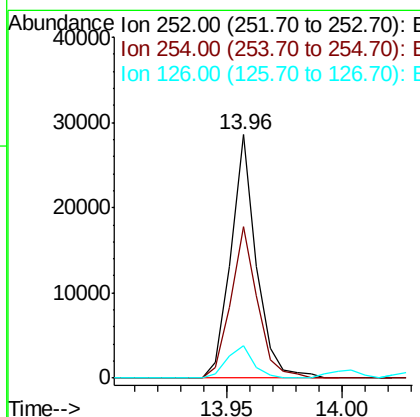
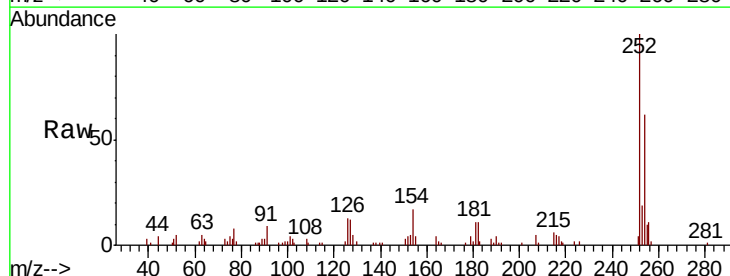
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

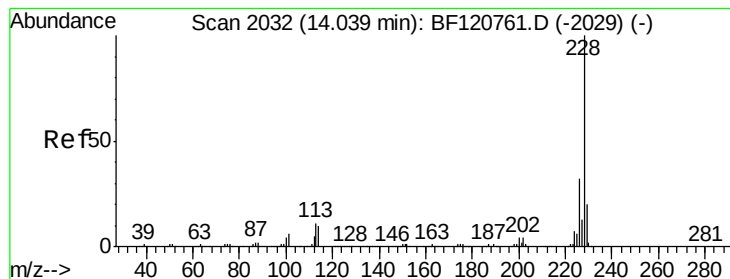
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	20.2	15.8	23.6



#82
3,3'-Dichlorobenzidine
Concen: 3.277 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.1	52.6	78.8
126	13.4	7.8	11.8





#83

Chrysene

Concen: 4.019 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

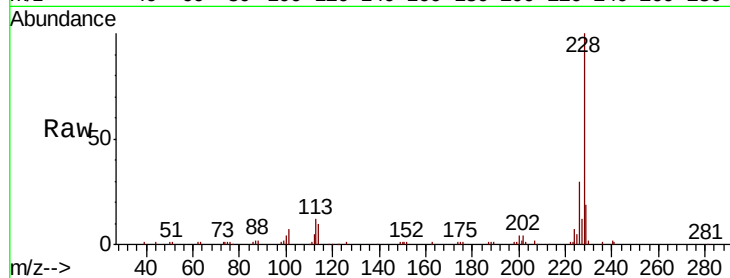
Tot Ion:228 Resp: 81404

Ion Ratio Lower Upper

228 100

226 29.8 25.7 38.5

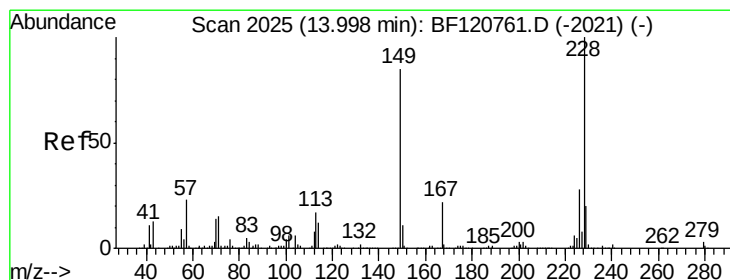
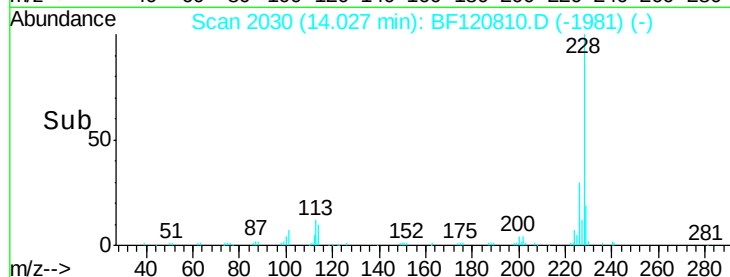
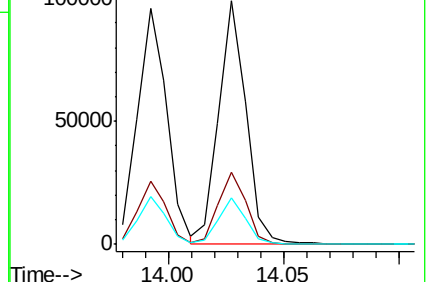
229 19.2 16.3 24.5



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.296 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

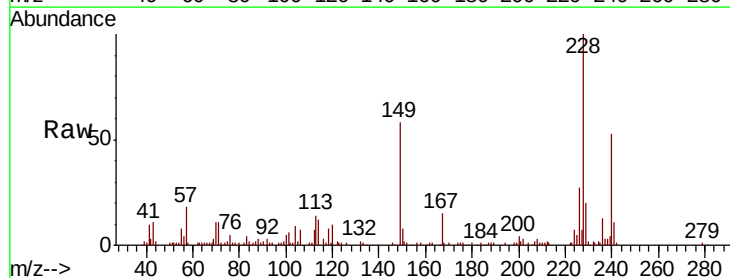
Tgt Ion:149 Resp: 46161

Ion Ratio Lower Upper

149 100

167 25.6 20.9 31.3

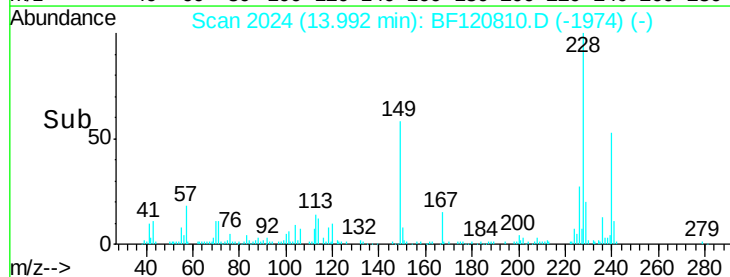
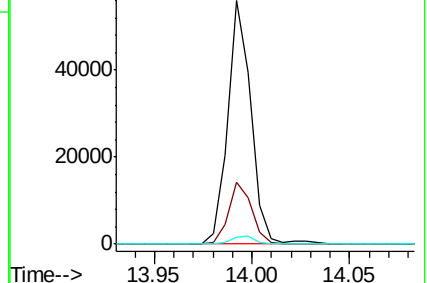
279 2.6 2.6 4.0#

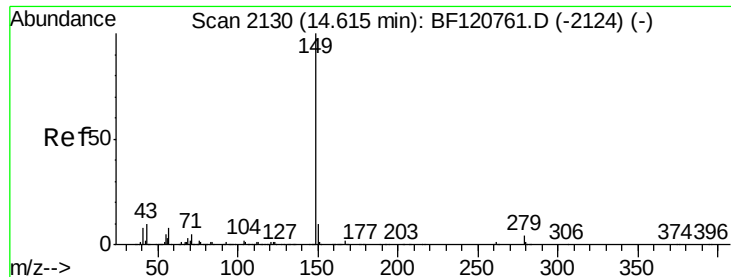


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 2.219 ng

RT: 14.60 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

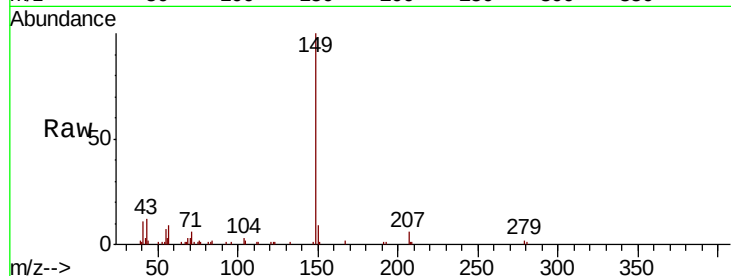
Tot Ion:149 Resp: 54968

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

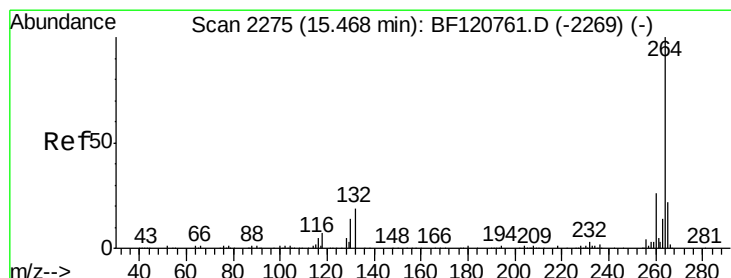
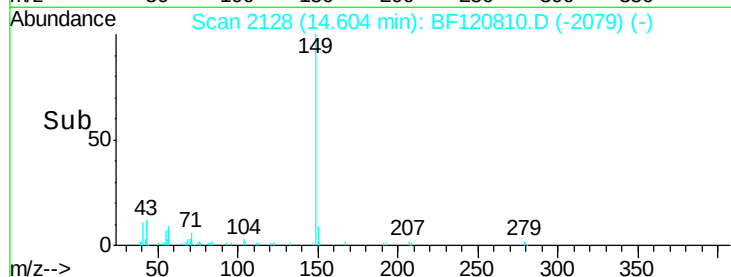
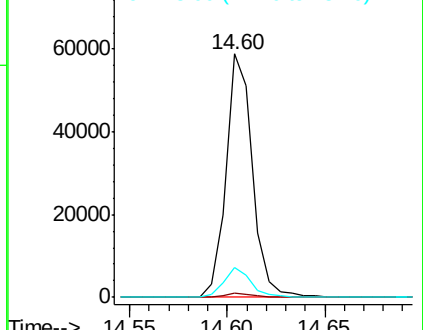
43 12.4 8.7 13.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF120810.D

Acq: 9 Jul 2020 11:04

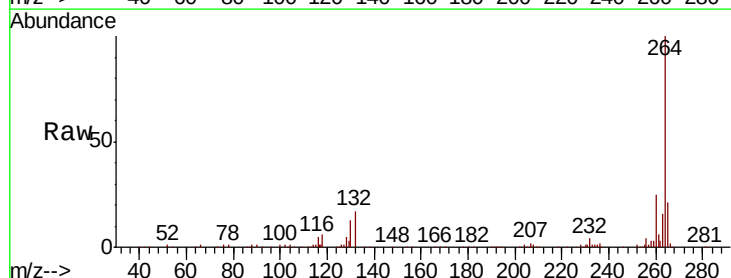
Tgt Ion:264 Resp: 258694

Ion Ratio Lower Upper

264 100

260 24.7 20.6 30.8

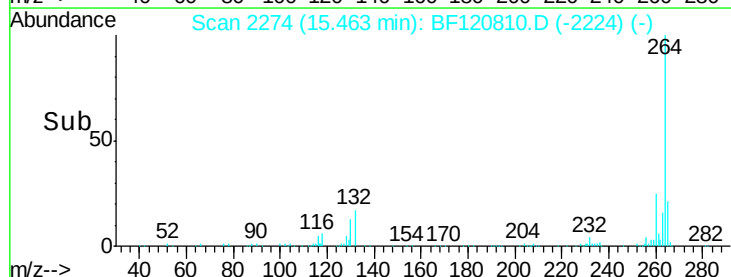
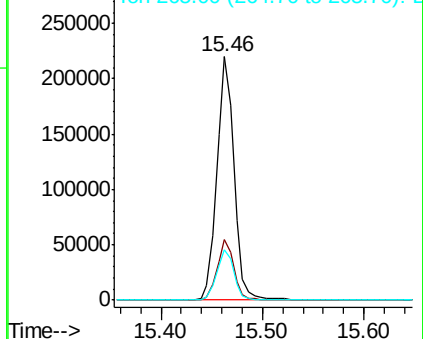
265 20.8 17.6 26.4

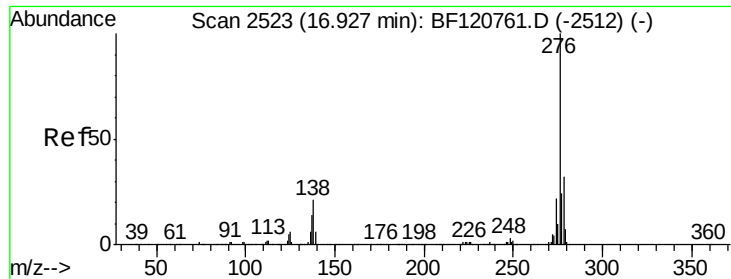


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

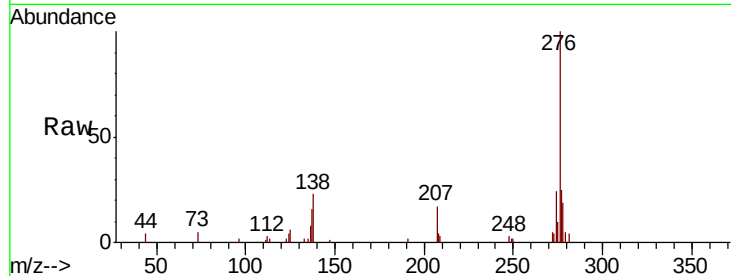




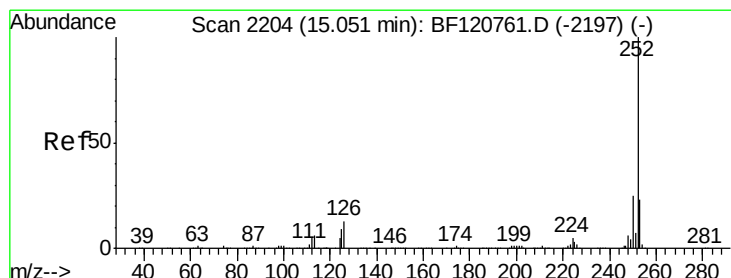
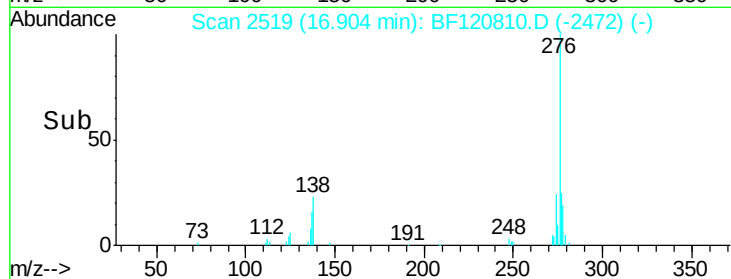
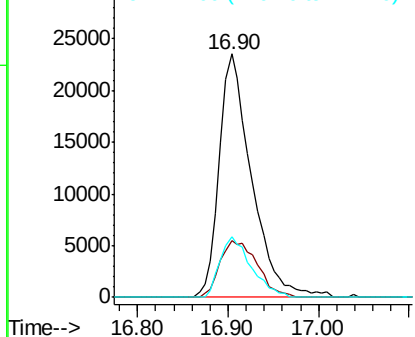
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.511 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.8	19.8	29.8
277	24.2	19.9	29.9

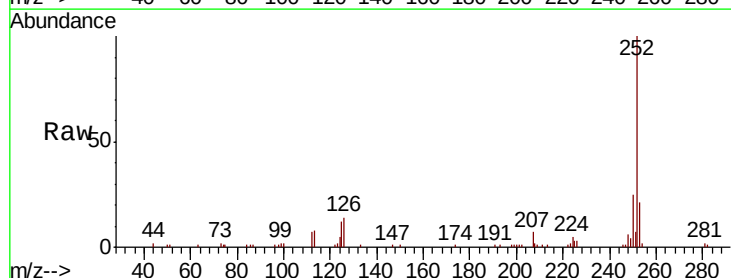


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

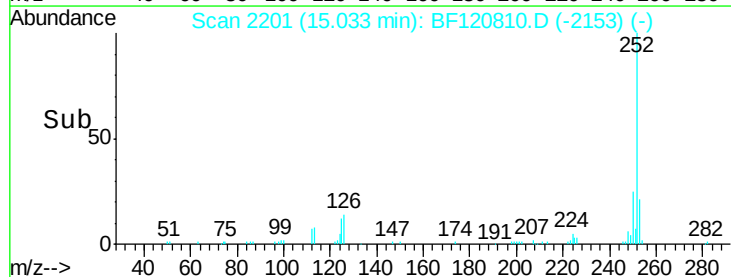
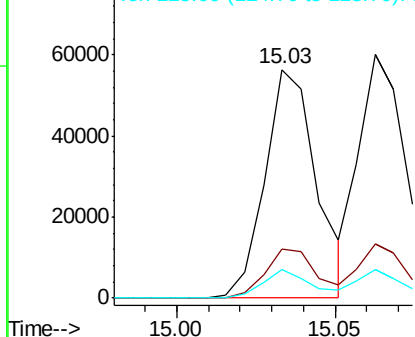


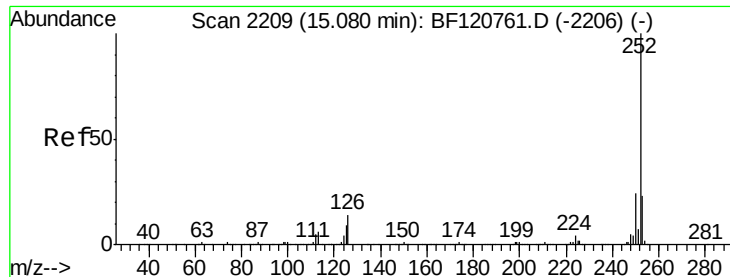
#88
 Benzo(b)fluoranthene
 Concen: 3.758 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.02 min
 Lab File: BF120810.D
 Acq: 9 Jul 2020 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	12.4	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

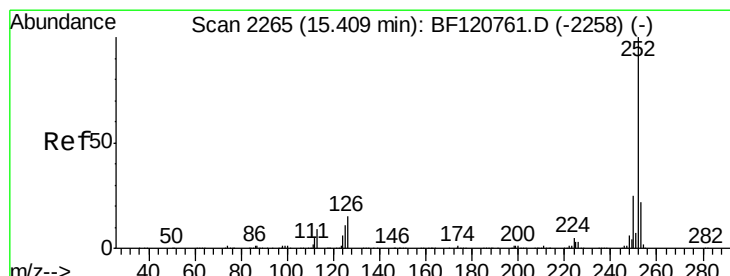
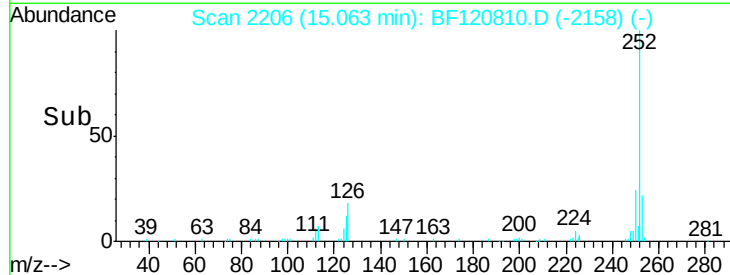
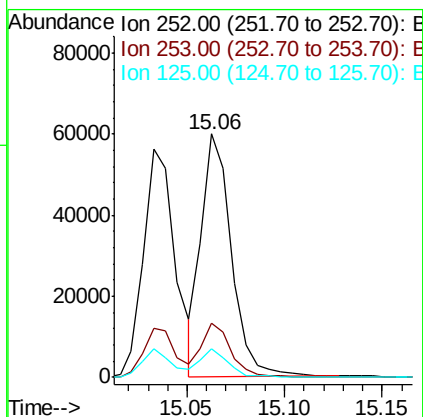
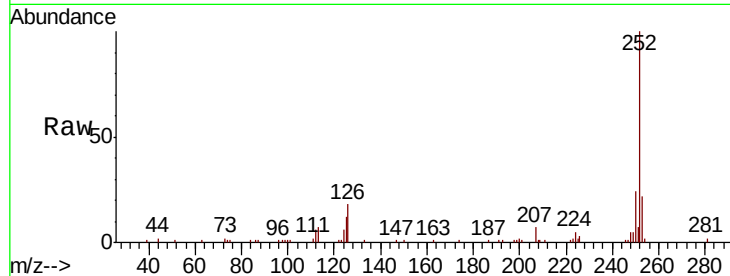




#89
Benzo(k)fluoranthene
Concen: 3.874 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

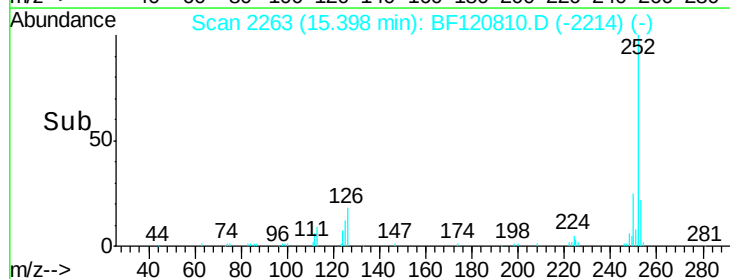
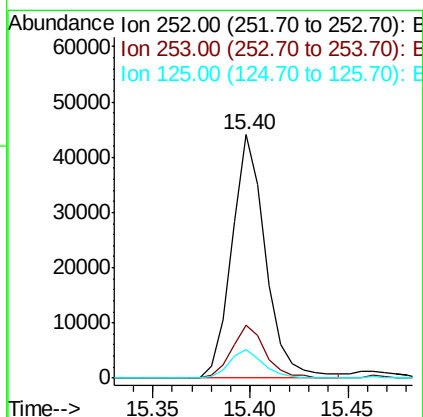
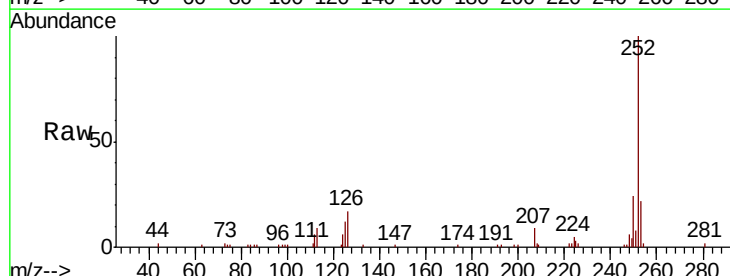
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

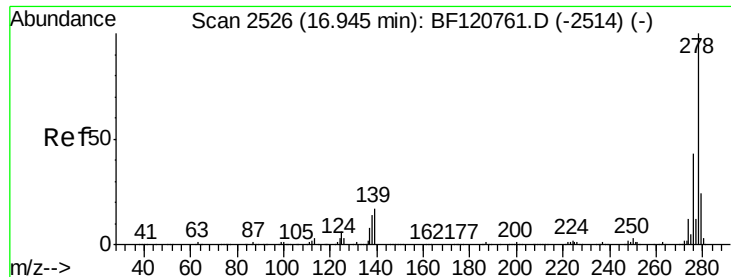
Tot Ion:252 Resp: 64107
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 11.9 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 3.484 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:252 Resp: 52855
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 11.7 9.2 13.8

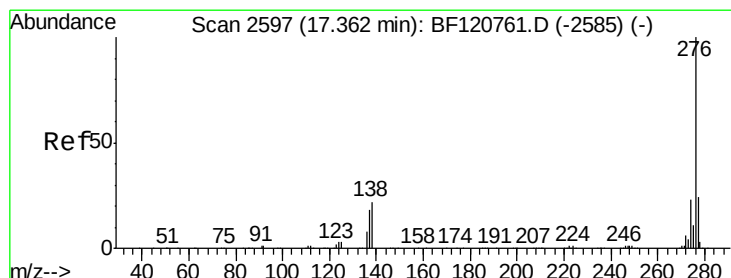
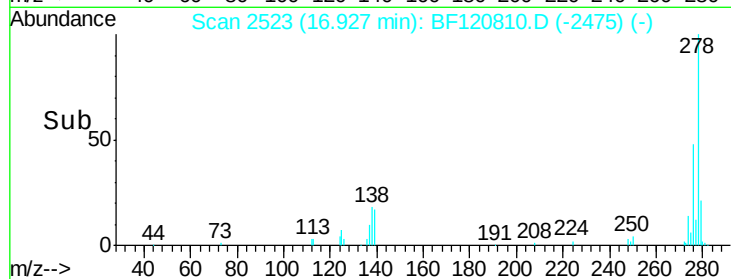
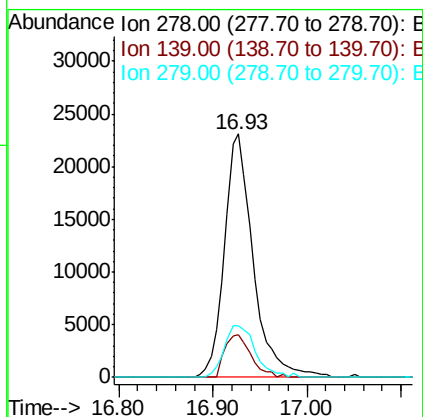
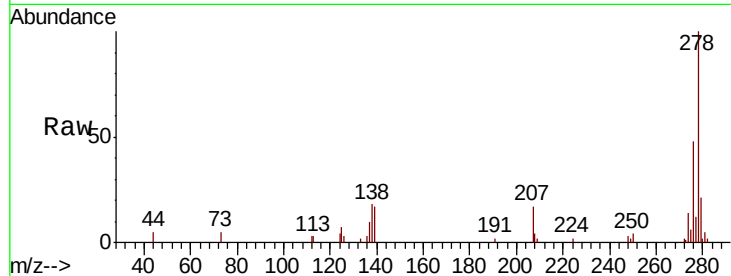




#91
Dibenzo(a,h)anthracene
Concen: 3.552 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:278 Resp: 49117
Ion Ratio Lower Upper
278 100
139 17.5 13.3 19.9
279 21.2 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 3.870 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF120810.D
Acq: 9 Jul 2020 11:04

Tgt Ion:276 Resp: 48910
Ion Ratio Lower Upper
276 100
277 23.3 18.8 28.2
138 24.0 17.4 26.2

