

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
 Data File : BF120812.D
 Acq On : 9 Jul 2020 12:04
 Operator : JU/CG
 Sample : L3216-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 09 12:47:42 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	133482	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	503573	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	251097	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	442635	20.00	ng	0.00
76) Chrysene-d12	14.00	240	339715	20.00	ng	0.00
86) Perylene-d12	15.46	264	282120	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	851099	98.43	ng	0.00
7) Phenol-d6	6.47	99	1069189	96.82	ng	0.00
23) Nitrobenzene-d5	7.41	82	693781	79.82	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	261991	103.86	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1267318	76.36	ng	0.00
79) Terphenyl-d14	12.96	244	1056206	60.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	41357	10.470	ng	99
3) Pyridine	3.36	79	78250	7.232	ng	97
4) n-Nitrosodimethylamine	3.26	42	46724	8.632	ng	97
6) Aniline	6.50	93	134465	9.481	ng	99
8) 2-Chlorophenol	6.63	128	85745	9.314	ng	95
9) Benzaldehyde	6.39	77	74938	11.410	ng	98
10) Phenol	6.48	94	106258	9.354	ng	94
11) bis(2-Chloroethyl)ether	6.58	93	84756	9.169	ng	98
12) 1,3-Dichlorobenzene	6.79	146	93272	9.204	ng	97
13) 1,4-Dichlorobenzene	6.86	146	94434	9.304	ng	100
14) 1,2-Dichlorobenzene	7.02	146	89927	9.313	ng	100
15) Benzyl Alcohol	6.98	79	81262	9.794	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	124825	8.657	ng	99
17) 2-Methylphenol	7.09	107	67430	8.187	ng	98
18) Hexachloroethane	7.36	117	35356	9.268	ng	96
19) n-Nitroso-di-n-propylamine	7.25	70	60763	9.139	ng	99
20) 3+4-Methylphenols	7.24	107	87993	8.675	ng	93
22) Acetophenone	7.25	105	127108	10.155	ng	96
24) Nitrobenzene	7.42	77	94447	9.678	ng	94
25) Isophorone	7.66	82	160290	8.551	ng	97
26) 2-Nitrophenol	7.74	139	31209	8.748	ng	96
27) 2,4-Dimethylphenol	7.77	122	70451	9.415	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	101746	9.172	ng	98
29) 2,4-Dichlorophenol	7.98	162	63366	8.483	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	74861	8.923	ng	99
31) Naphthalene	8.15	128	251200	9.334	ng	98
32) Benzoic acid	7.83	122	22223	5.488	ng	93
33) 4-Chloroaniline	8.19	127	99979	8.755	ng	95
34) Hexachlorobutadiene	8.27	225	43364	8.594	ng	99
35) Caprolactam	8.52	113	17566	8.070	ng	94
36) 4-Chloro-3-methylphenol	8.67	107	66170	8.516	ng	96
37) 2-Methylnaphthalene	8.84	142	158844	9.080	ng	97
38) 1-Methylnaphthalene	8.94	142	150780	9.201	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	72328	9.531	ng	98

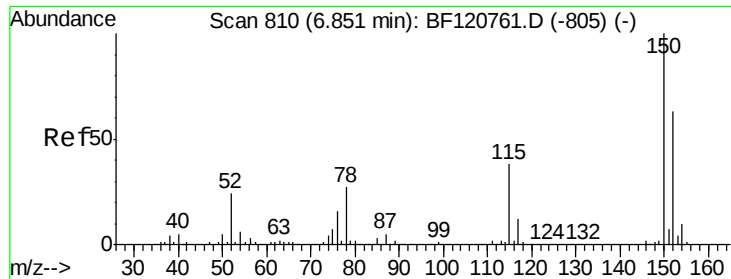
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070920\
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 QLast Update : Thu Jul 09 11:36:34 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	36098	8.051	ng	98
43) 2,4,6-Trichlorophenol	9.12	196	40610	7.853	ng	97
44) 2,4,5-Trichlorophenol	9.15	196	43729	7.620	ng	94
46) 1,1'-Biphenyl	9.30	154	202593	10.003	ng	97
47) 2-Chloronaphthalene	9.33	162	143478	8.842	ng	99
48) 2-Nitroaniline	9.42	65	40032	9.221	ng	88
49) Acenaphthylene	9.75	152	227883	8.958	ng	98
50) Dimethylphthalate	9.60	163	159810	8.725	ng	98
51) 2,6-Dinitrotoluene	9.66	165	30034	9.076	ng	88
52) Acenaphthene	9.92	154	138113	8.751	ng	97
53) 3-Nitroaniline	9.83	138	34629	8.470	ng	94
54) 2,4-Dinitrophenol	9.93	184	4491	4.109	ng	# 21
55) Dibenzofuran	10.09	168	208491	9.165	ng	98
56) 4-Nitrophenol	9.97	139	22881	7.620	ng	99
57) 2,4-Dinitrotoluene	10.06	165	35880	9.031	ng	95
58) Fluorene	10.43	166	157459	9.299	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.20	232	35437	8.298	ng	# 88
60) Diethylphthalate	10.30	149	160474	8.410	ng	98
61) 4-Chlorophenyl-phenylether	10.42	204	76331	8.967	ng	94
62) 4-Nitroaniline	10.43	138	33613	8.637	ng	94
63) Azobenzene	10.59	77	174482	8.939	ng	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	9367	6.586	ng	97
66) n-Nitrosodiphenylamine	10.54	169	132406	8.925	ng	100
67) 4-Bromophenyl-phenylether	10.92	248	41396	8.062	ng	97
68) Hexachlorobenzene	10.97	284	45307	8.409	ng	98
69) Atrazine	11.06	200	37645	9.849	ng	95
70) Pentachlorophenol	11.17	266	19606	6.432	ng	97
71) Phenanthrene	11.39	178	218565	9.100	ng	99
72) Anthracene	11.44	178	222422	9.165	ng	99
73) Carbazole	11.59	167	202196	8.670	ng	99
74) Di-n-butylphthalate	11.93	149	229803	7.959	ng	99
75) Fluoranthene	12.58	202	219887	8.595	ng	96
77) Benzidine	12.70	184	89314	9.314	ng	96
78) Pyrene	12.80	202	230780	8.506	ng	98
80) Butylbenzylphthalate	13.43	149	80234	6.850	ng	99
81) Benzo(a)anthracene	13.99	228	196500	9.024	ng	100
82) 3,3'-Dichlorobenzidine	13.96	252	58941	8.021	ng	# 95
83) Chrysene	14.03	228	183143	8.245	ng	98
84) Bis(2-ethylhexyl)phthalate	13.99	149	123792	8.059	ng	# 99
85) Di-n-octyl phthalate	14.61	149	164218	6.043	ng	97
87) Indeno(1,2,3-cd)pyrene	16.91	276	140550	7.767	ng	97
88) Benzo(b)fluoranthene	15.04	252	146781	7.914	ng	98
89) Benzo(k)fluoranthene	15.07	252	160529	8.895	ng	98
90) Benzo(a)pyrene	15.40	252	132081	7.983	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	121667	8.067	ng	99
92) Benzo(g,h,i)perylene	17.34	276	114830	8.331	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: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

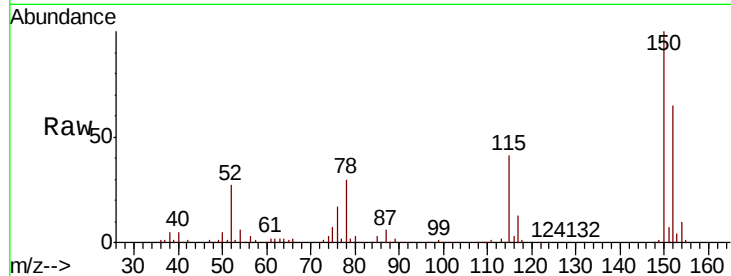
Tot Ion:152 Resp: 133482

Ion Ratio Lower Upper

152 100

150 153.4 126.1 189.1

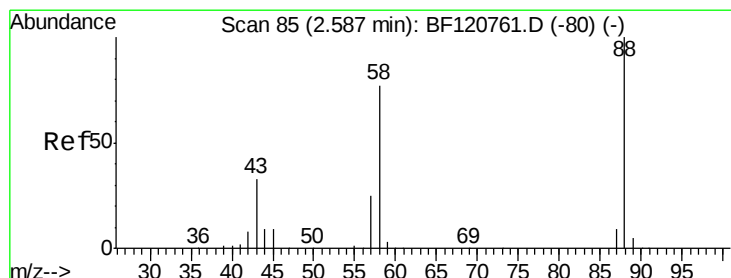
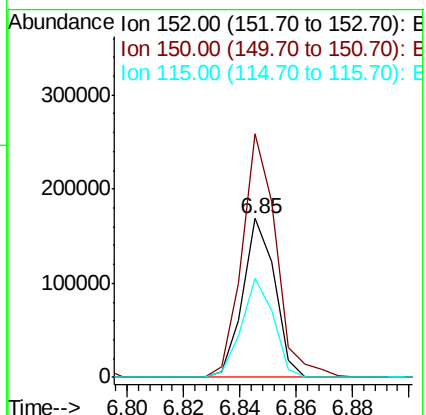
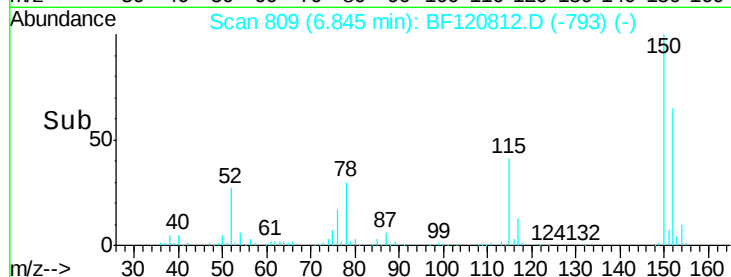
115 62.3 48.5 72.7



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: 10.470 ng

RT: 2.58 min Scan# 84

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

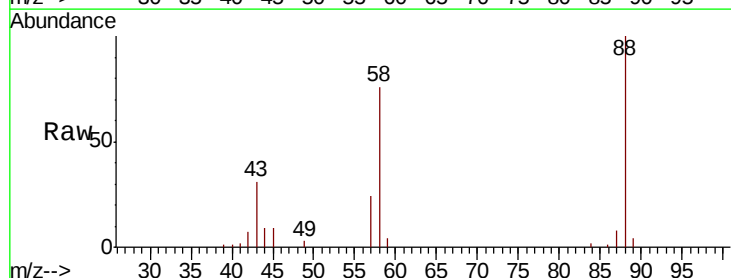
Tgt Ion: 88 Resp: 41357

Ion Ratio Lower Upper

88 100

58 74.5 60.4 90.6

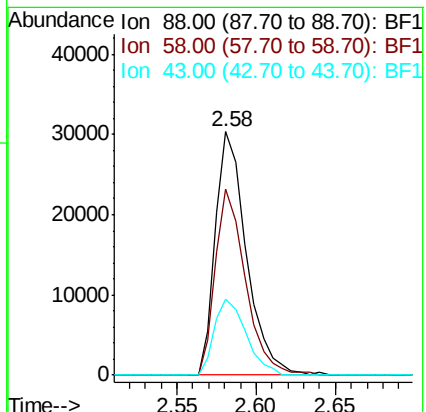
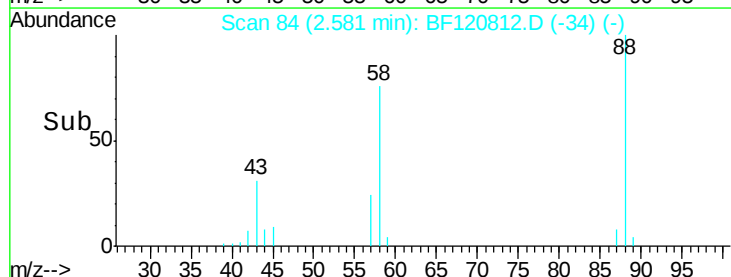
43 31.9 26.3 39.5

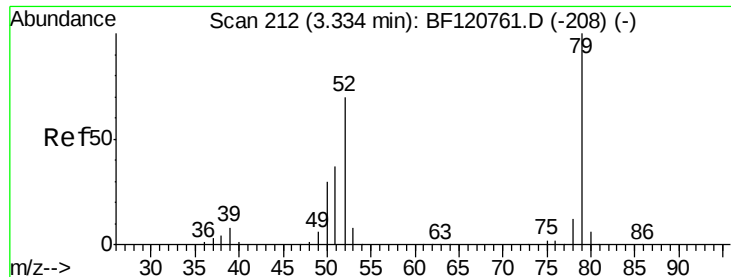


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

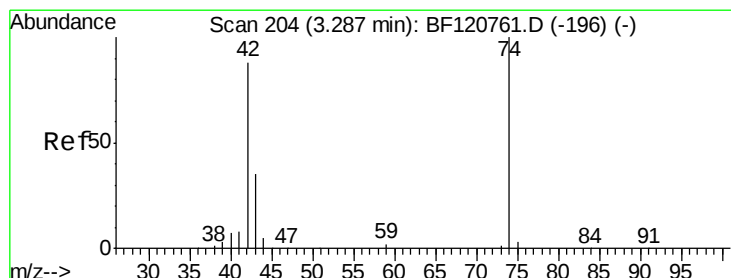
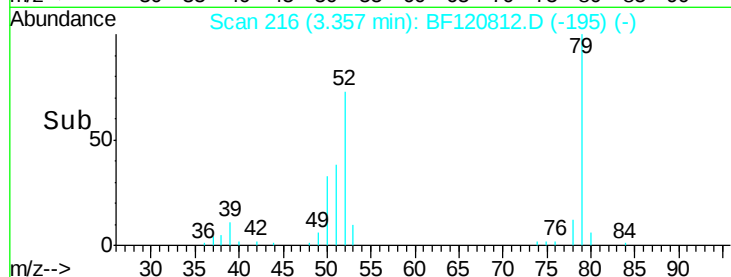
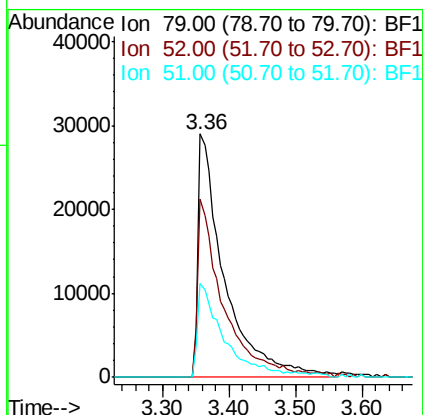
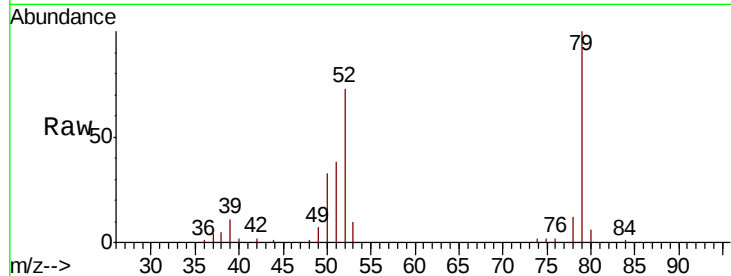




#3
 Pvridine
 Concen: 7.232 ng
 RT: 3.36 min Scan# 216
 Delta R.T. 0.02 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

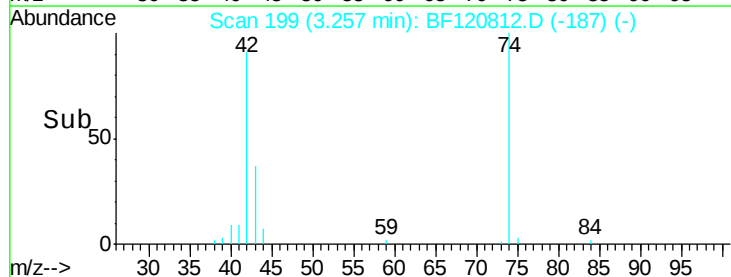
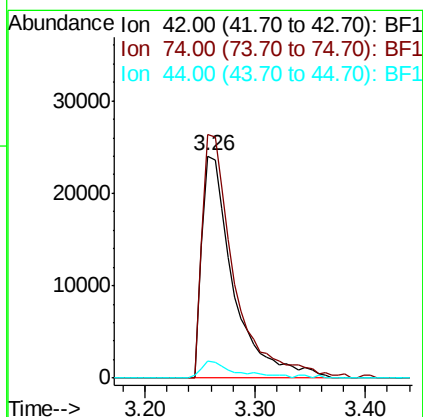
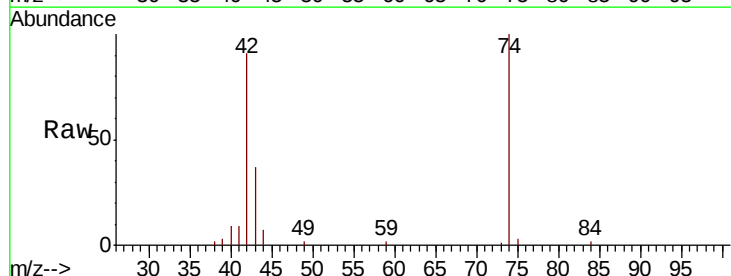
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

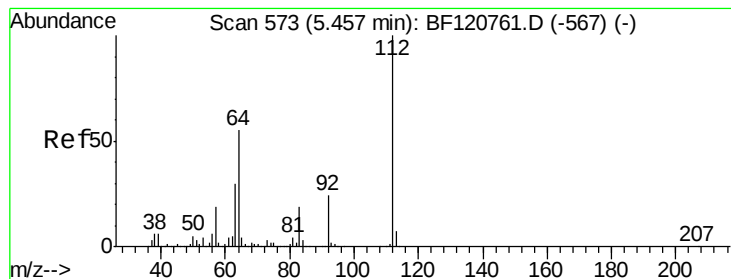
Tot Ion	Ratio	Lower	Upper
79	100		
52	73.1	56.3	84.5
51	38.3	30.1	45.1



#4
 n-Nitrosodimethylamine
 Concen: 8.632 ng
 RT: 3.26 min Scan# 199
 Delta R.T. -0.03 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
42	100		
74	109.6	90.8	136.2
44	7.9	5.8	8.8





#5

2-Fluorophenol

Concen: 98.425 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

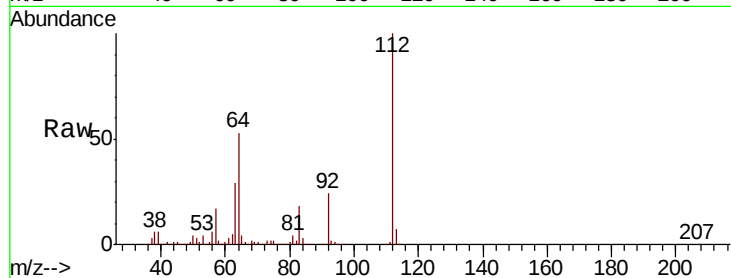
Tot Ion:112 Resp: 851099

Ion Ratio Lower Upper

112 100

64 53.0 43.8 65.6

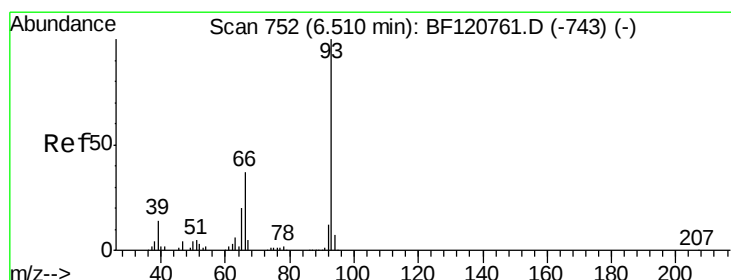
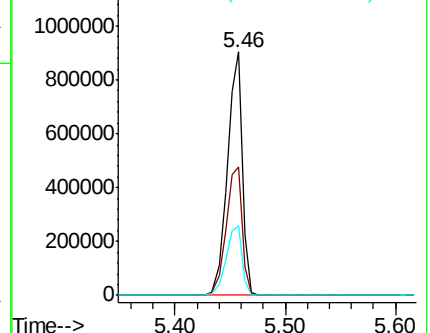
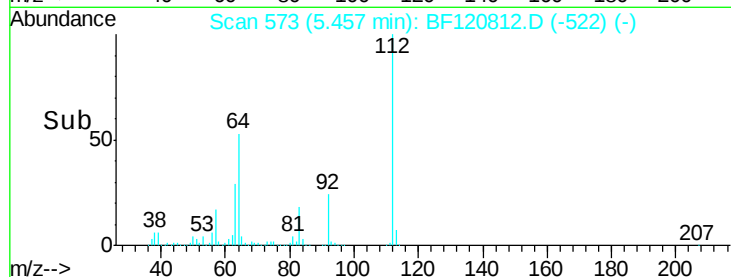
63 28.6 23.6 35.4



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: 9.481 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

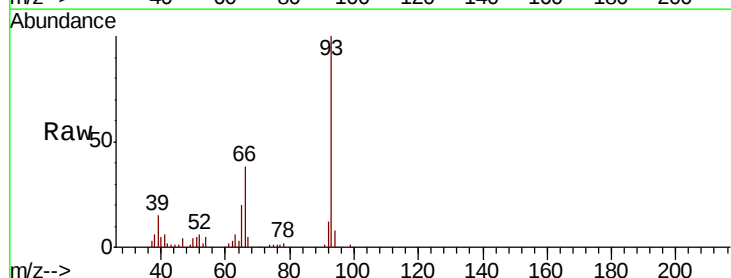
Tgt Ion: 93 Resp: 134465

Ion Ratio Lower Upper

93 100

66 38.3 31.3 46.9

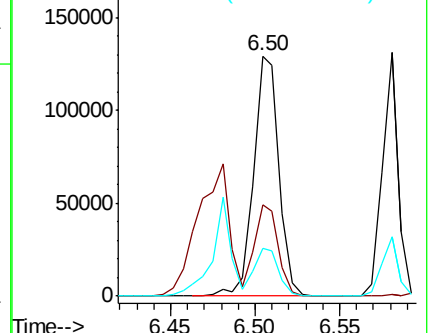
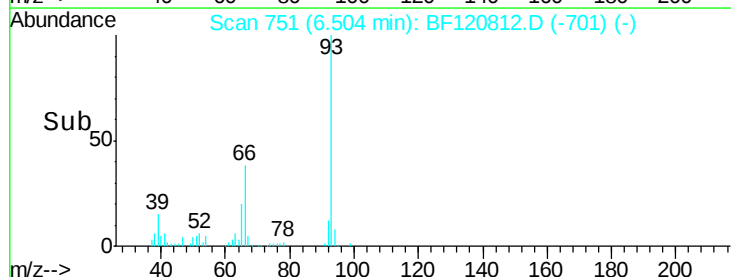
65 20.0 16.5 24.7

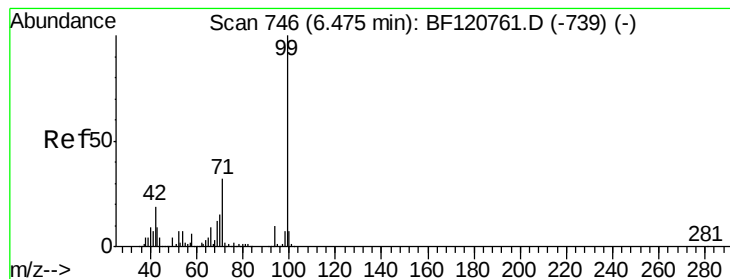


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 96.822 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120812.D

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ClientSampleId :

LOQ-SOIL-02-QT3-2020

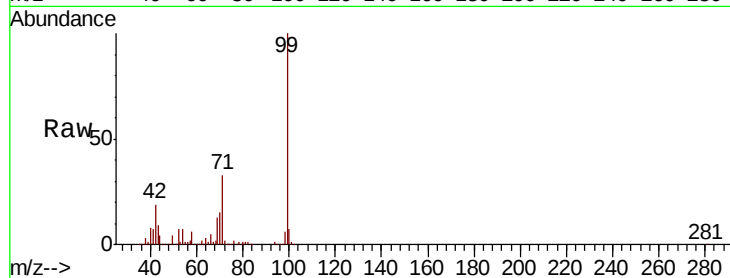
Tot Ion: 99 Resp: 1069189

Ion Ratio Lower Upper

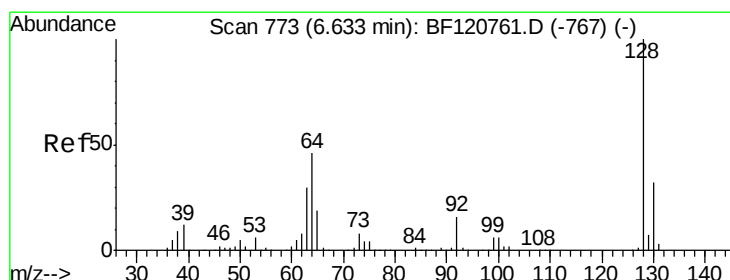
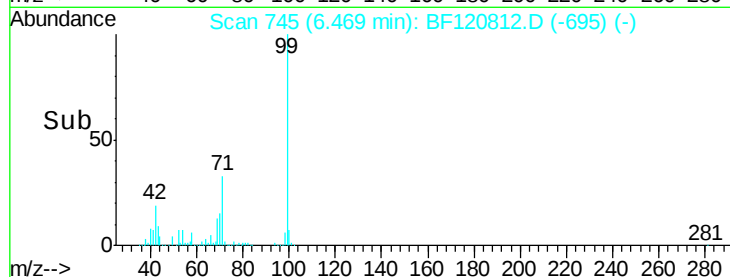
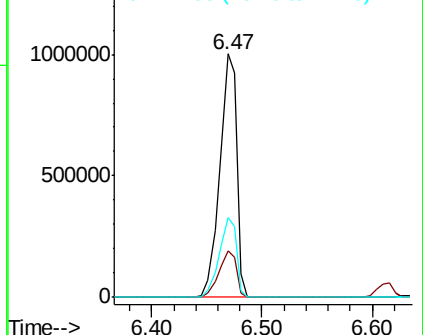
99 100

42 19.3 15.4 23.0

71 33.0 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: 9.314 ng

RT: 6.63 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

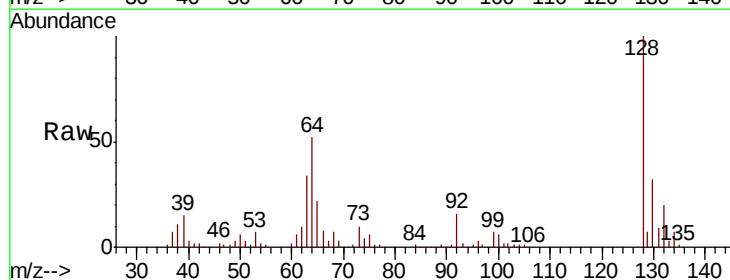
Tgt Ion: 128 Resp: 85745

Ion Ratio Lower Upper

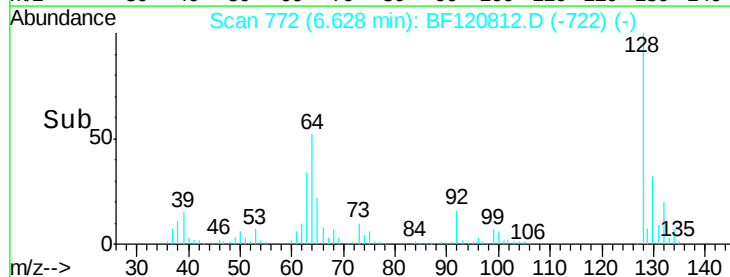
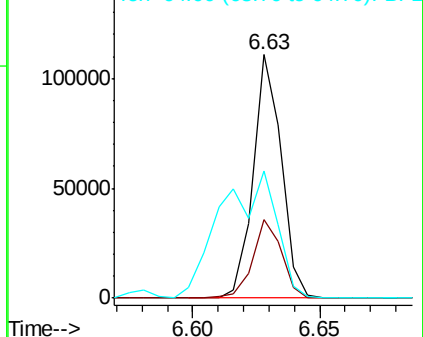
128 100

130 32.1 12.1 52.1

64 52.0 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: 11.410 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

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ClientSampleId :

LOQ-SOIL-02-QT3-2020

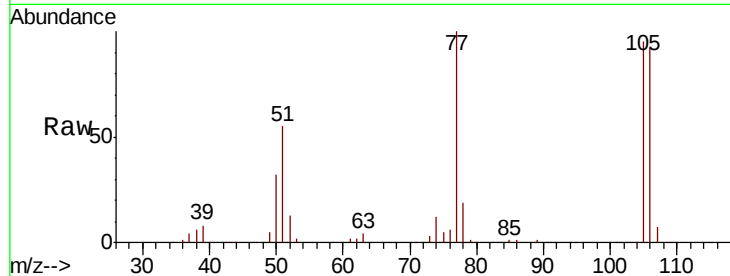
Tot Ion: 77 Resp: 74938

Ion Ratio Lower Upper

77 100

105 94.9 76.8 116.8

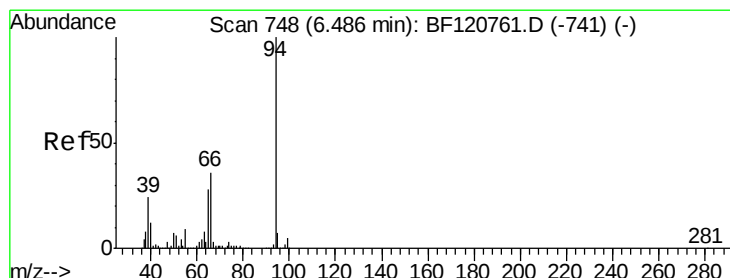
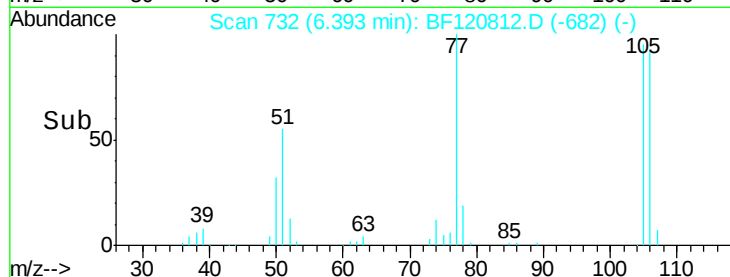
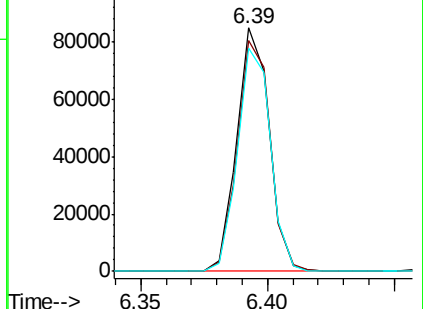
106 91.6 73.8 113.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 9.354 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

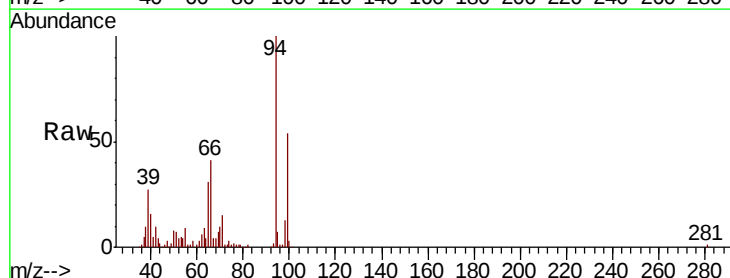
Tgt Ion: 94 Resp: 106258

Ion Ratio Lower Upper

94 100

65 30.6 8.4 48.4

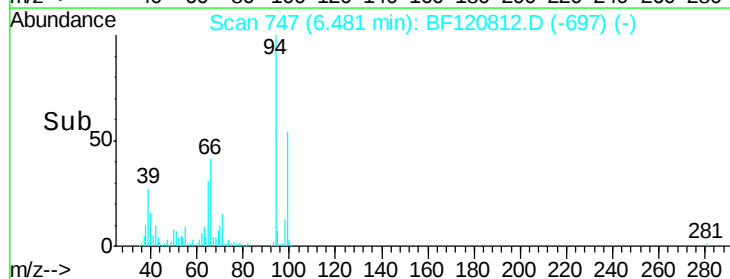
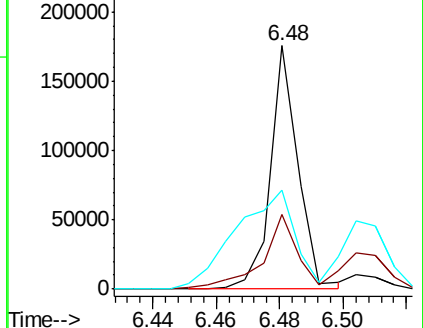
66 40.5 16.5 56.5

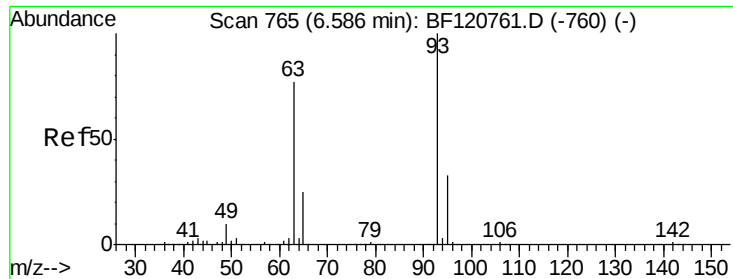


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 9.169 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

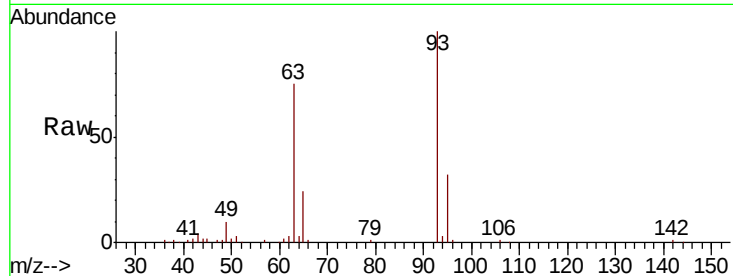
Tot Ion: 93 Resp: 84756

Ion Ratio Lower Upper

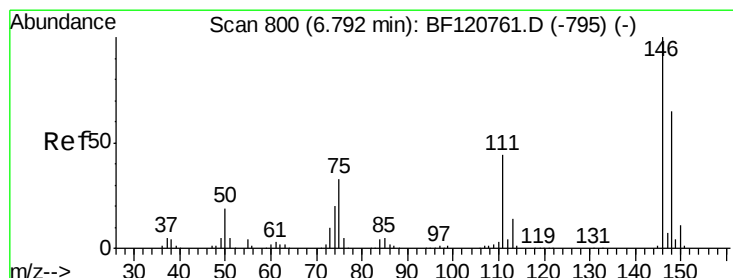
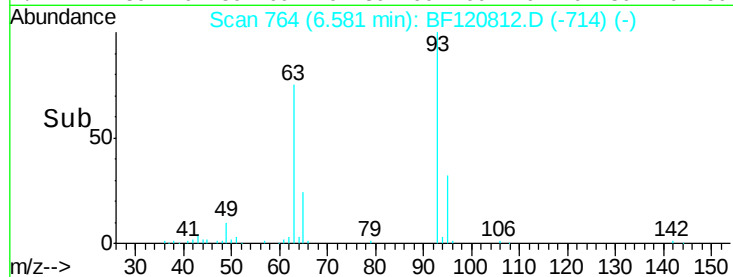
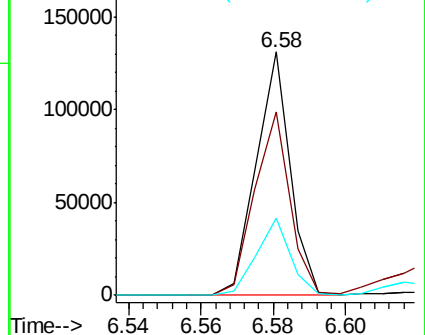
93 100

63 75.3 56.9 96.9

95 31.7 13.3 53.3



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 9.204 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

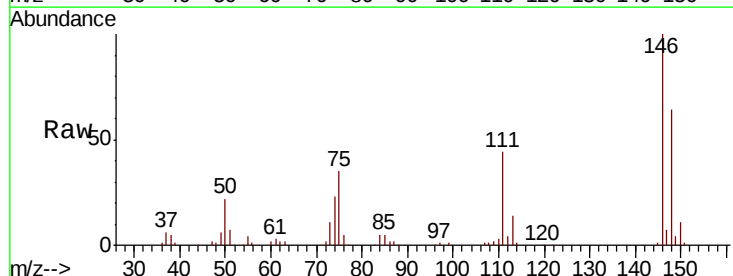
Tgt Ion: 146 Resp: 93272

Ion Ratio Lower Upper

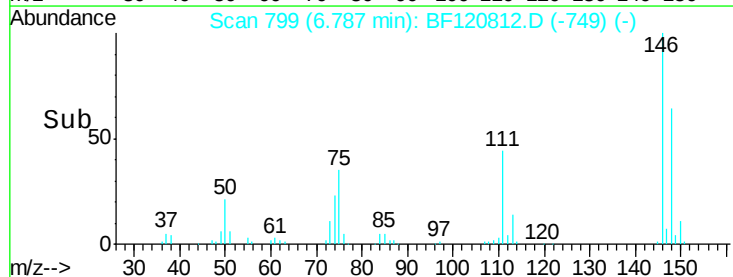
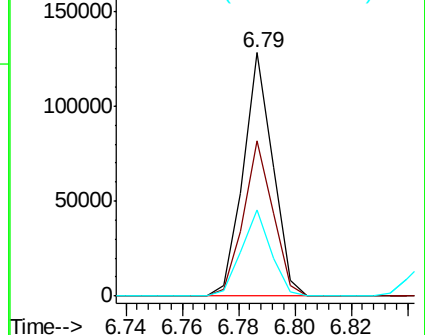
146 100

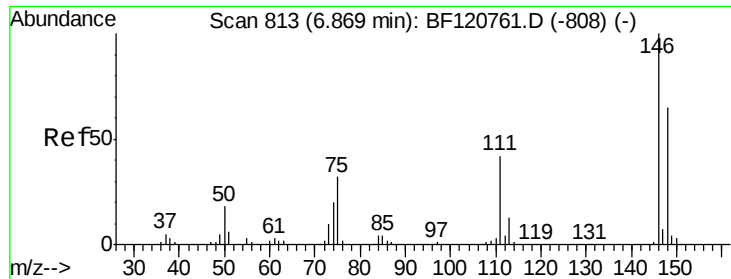
148 63.5 52.1 78.1

75 35.4 26.0 39.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1

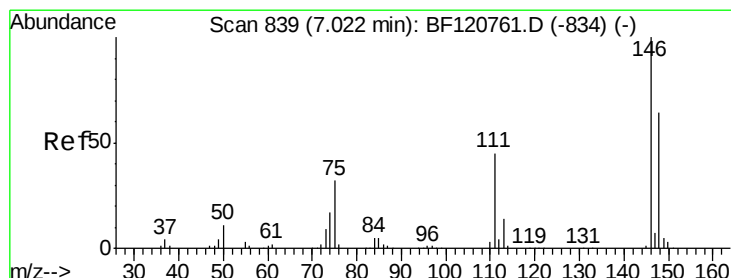
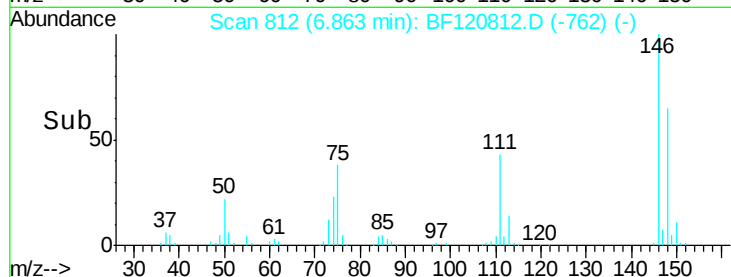
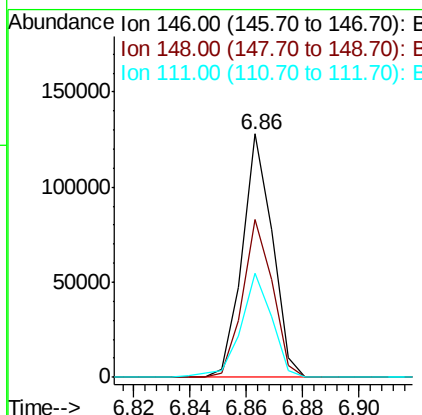
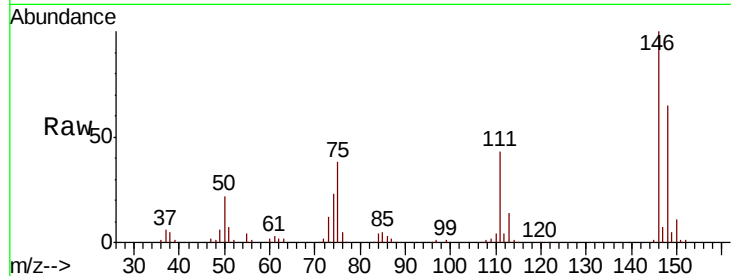




#13
 1,4-Dichlorobenzene
 Concen: 9.304 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

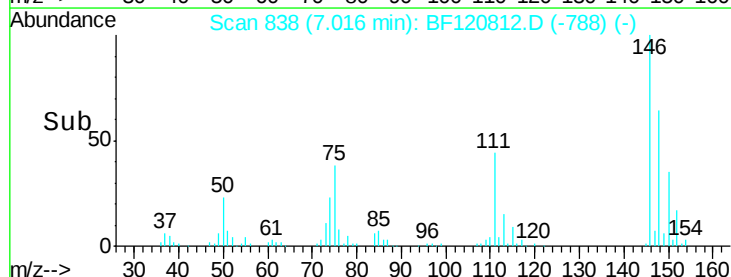
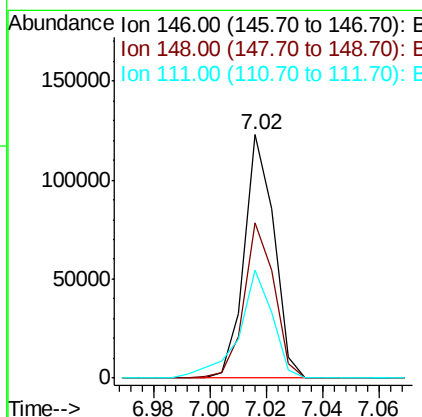
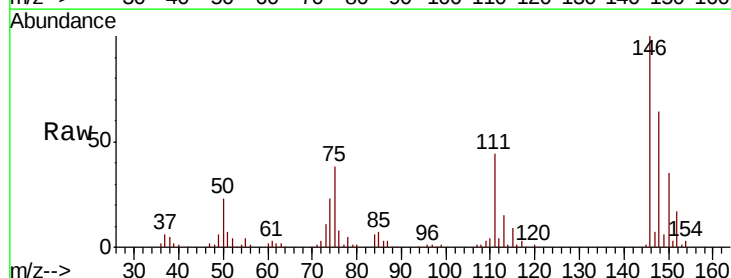
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

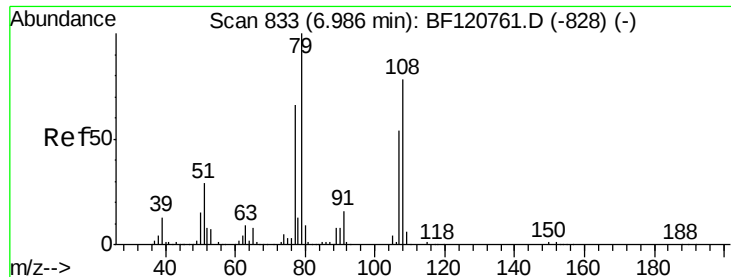
Tot Ion:146 Resp: 94434
 Ion Ratio Lower Upper
 146 100
 148 64.7 51.8 77.6
 111 42.5 33.7 50.5



#14
 1,2-Dichlorobenzene
 Concen: 9.313 ng
 RT: 7.02 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:146 Resp: 89927
 Ion Ratio Lower Upper
 146 100
 148 64.0 51.0 76.4
 111 44.5 35.7 53.5





#15

Benzyl Alcohol

Concen: 9.794 ng

RT: 6.98 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

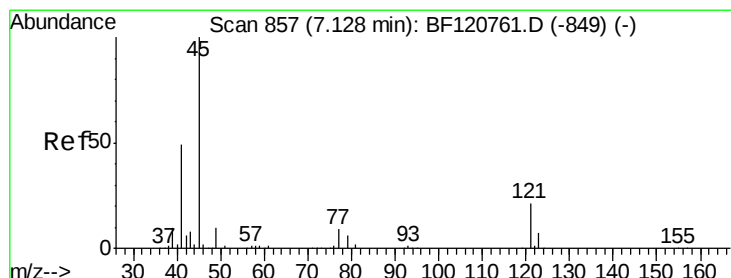
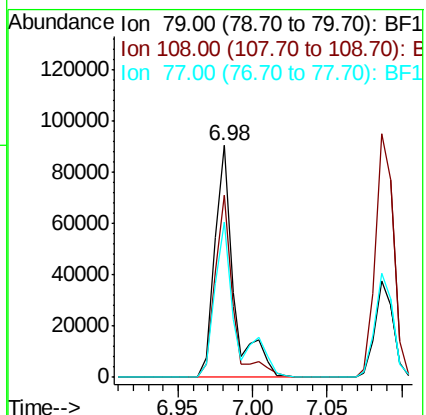
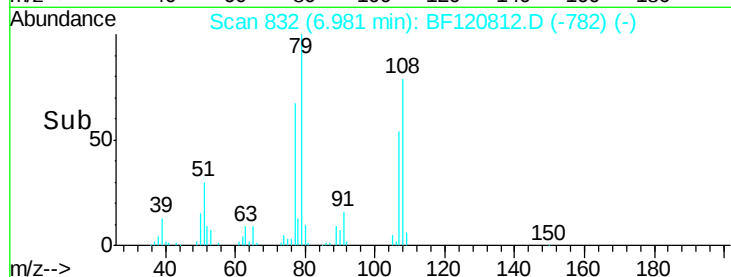
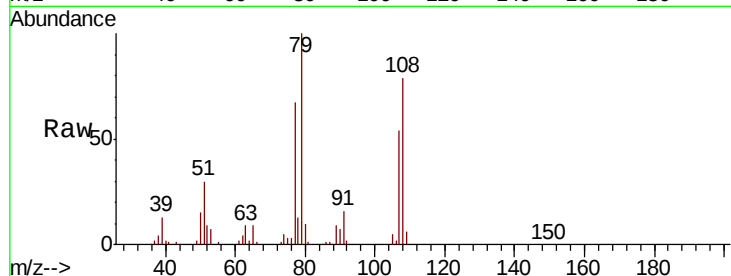
Tot Ion: 79 Resp: 81262

Ion Ratio Lower Upper

79 100

108 78.7 62.4 93.6

77 66.9 52.7 79.1



#16

2,2'-oxybis(1-chloropropane)

Concen: 8.657 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

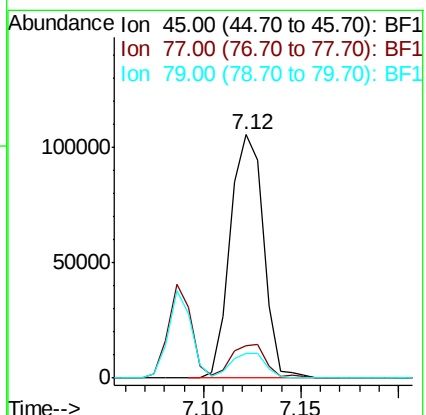
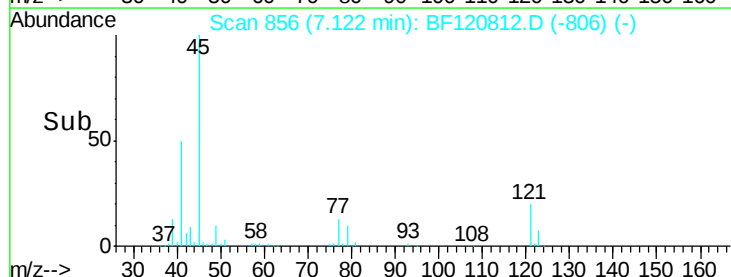
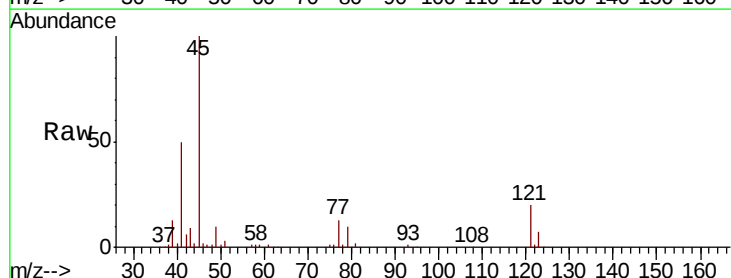
Tgt Ion: 45 Resp: 124825

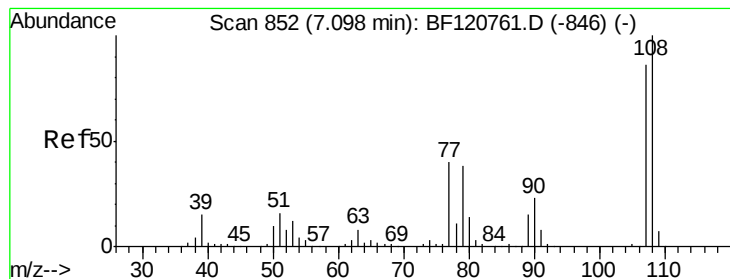
Ion Ratio Lower Upper

45 100

77 13.2 0.0 33.7

79 10.3 0.0 30.5

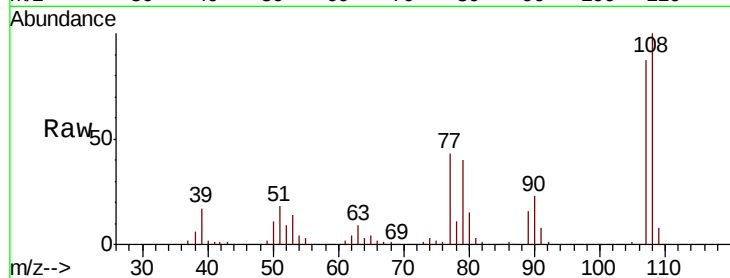




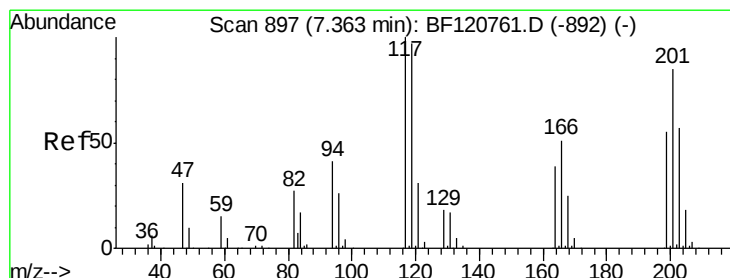
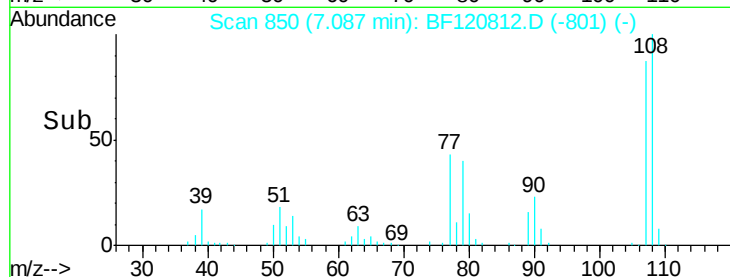
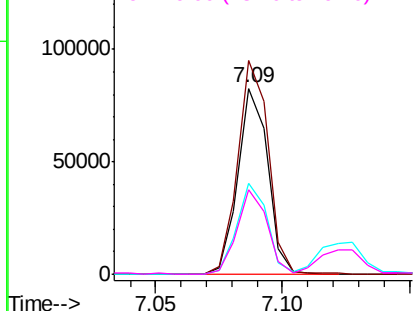
#17
2-Methylphenol
Concen: 8.187 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion:107 Resp: 67430
Ion Ratio Lower Upper
107 100
108 114.9 93.1 139.7
77 49.0 37.3 55.9
79 45.8 35.3 52.9

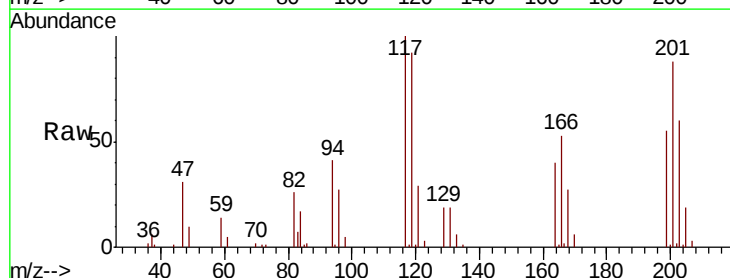


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

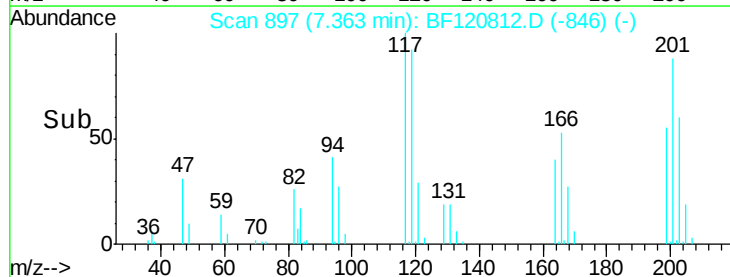
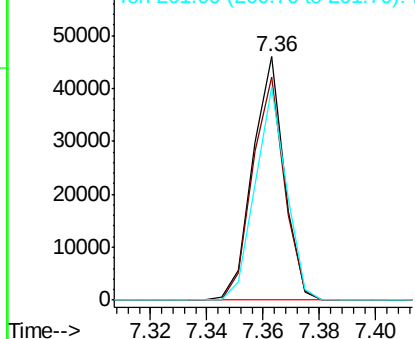


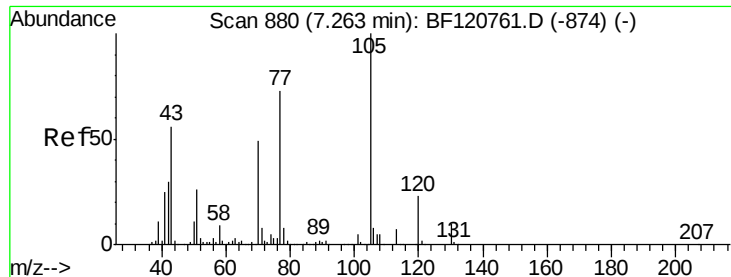
#18
Hexachloroethane
Concen: 9.268 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:117 Resp: 35356
Ion Ratio Lower Upper
117 100
119 91.8 77.9 116.9
201 87.5 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

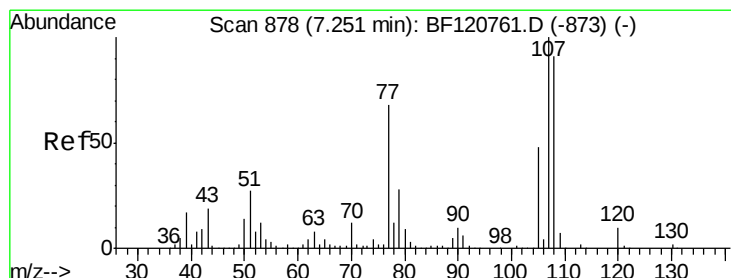
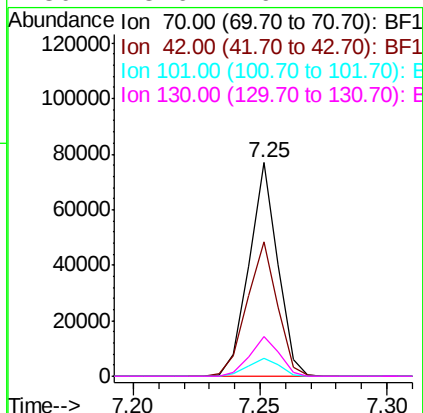
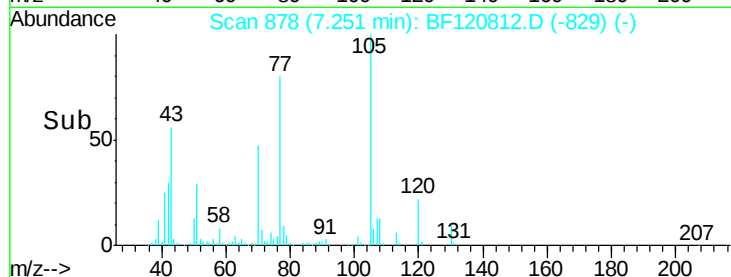
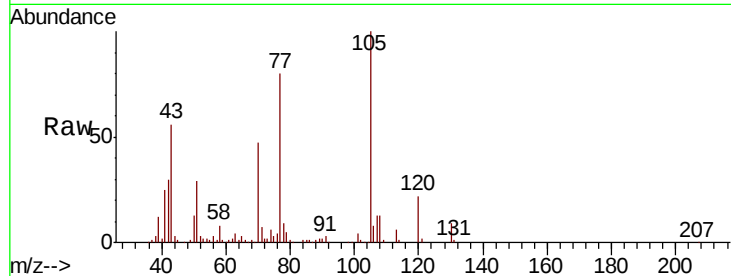




#19
n-Nitroso-di-n-propylamine
Concen: 9.139 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

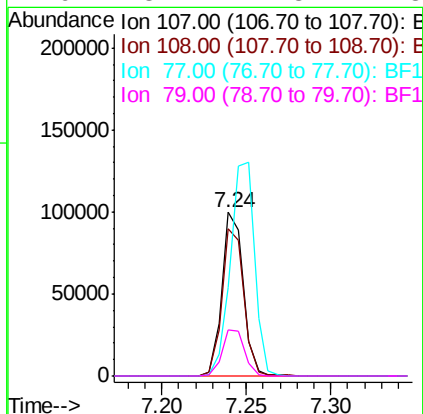
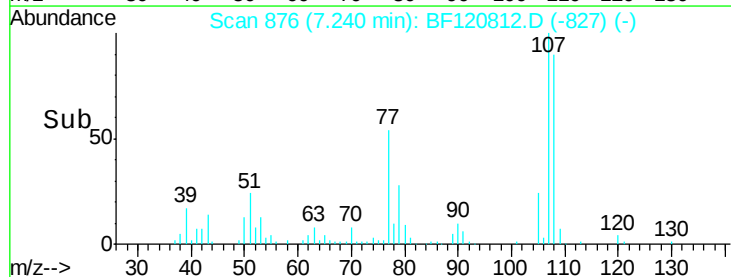
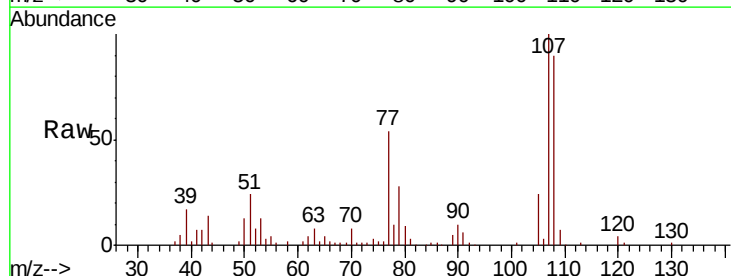
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

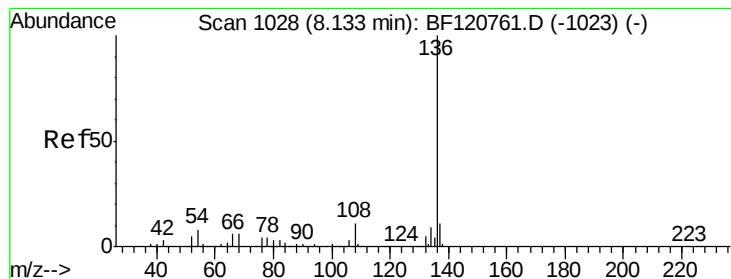
Tot Ion:	70	Resp:	60763
Ion	Ratio	Lower	Upper
70	100		
42	63.0	50.3	75.5
101	8.2	7.5	11.3
130	18.6	16.1	24.1



#20
3+4-Methylphenols
Concen: 8.675 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:	107	Resp:	87993
Ion	Ratio	Lower	Upper
107	100		
108	90.1	70.9	110.9
77	54.1	48.3	88.3
79	28.2	7.8	47.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:136 Resp: 503573

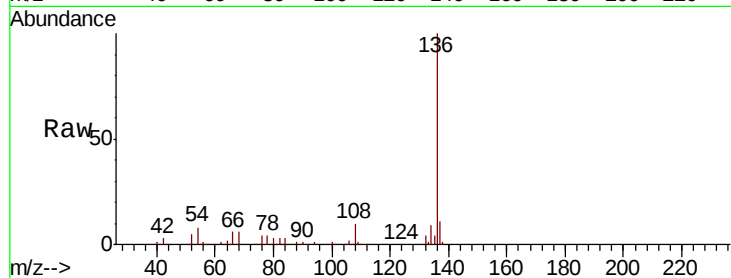
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 8.5 6.2 9.4

68 5.7 4.7 7.1

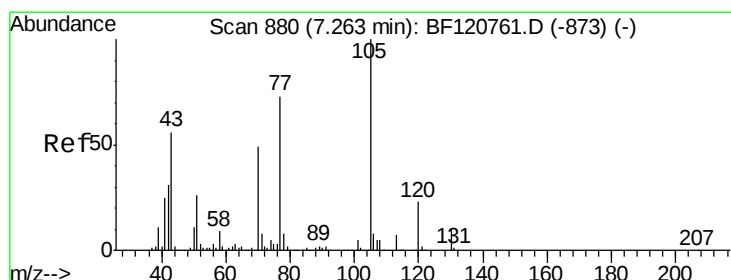
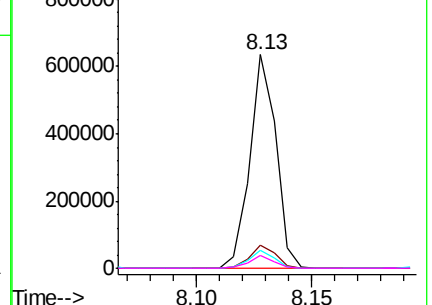
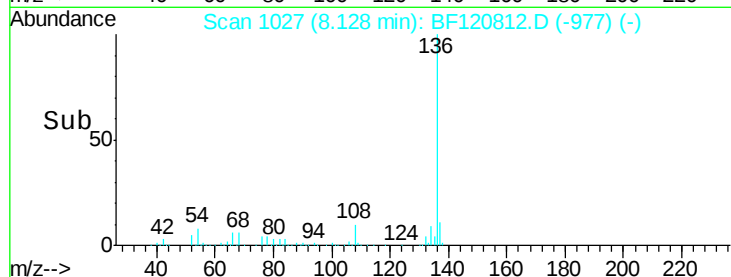


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 10.155 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:105 Resp: 127108

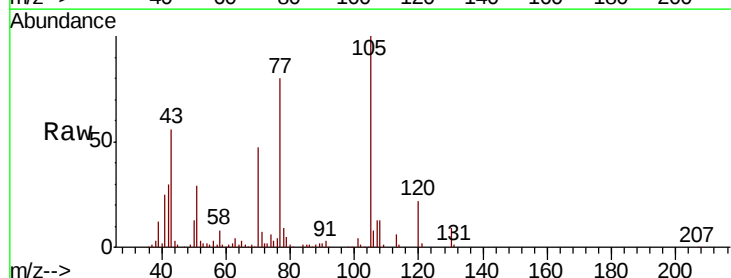
Ion Ratio Lower Upper

105 100

71 7.3 6.5 9.7

51 29.5 21.0 31.4

120 22.1 18.6 28.0

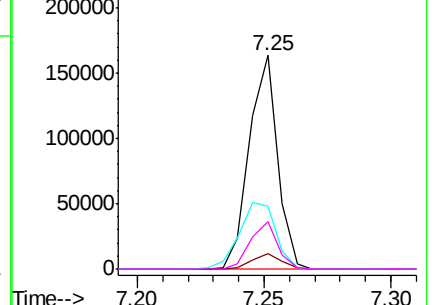
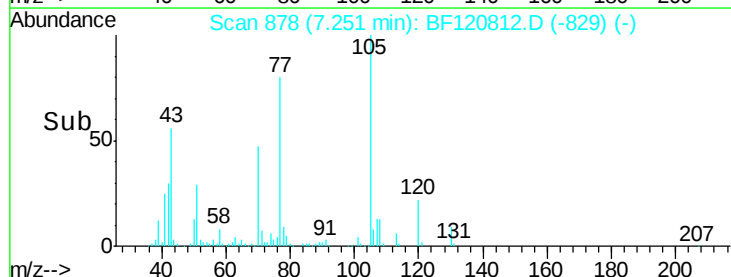


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

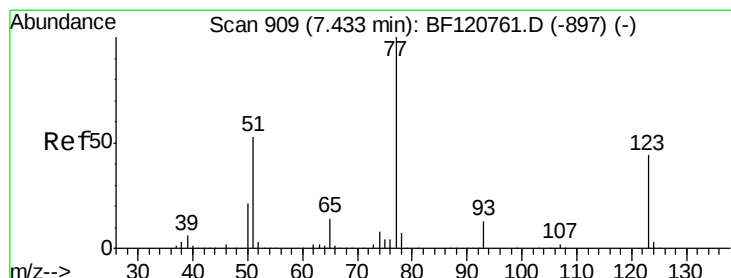
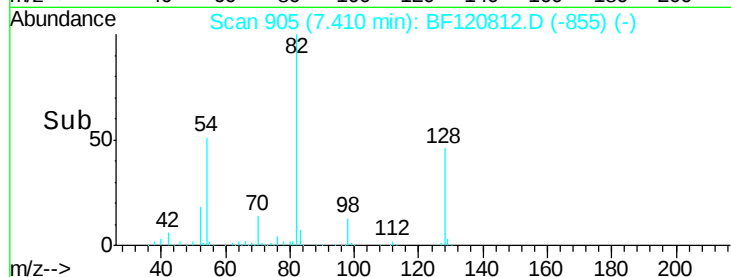
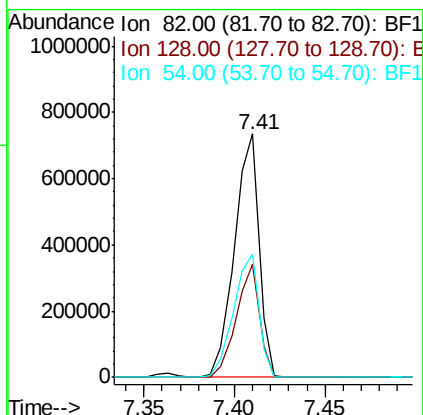
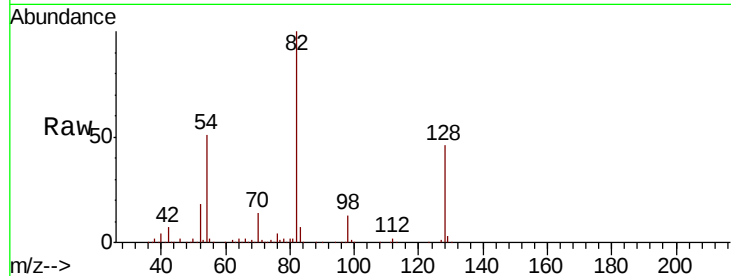




#23
Nitrobenzene-d5
Concen: 79.822 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

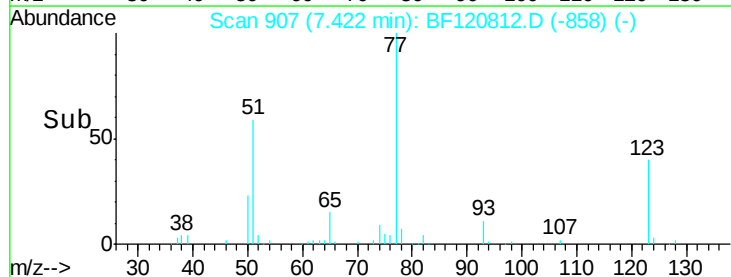
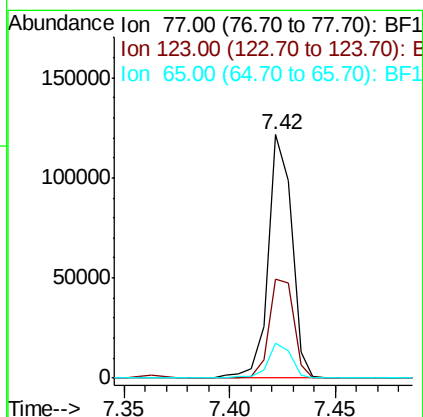
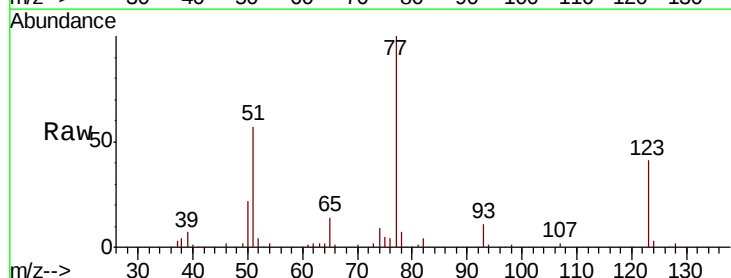
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

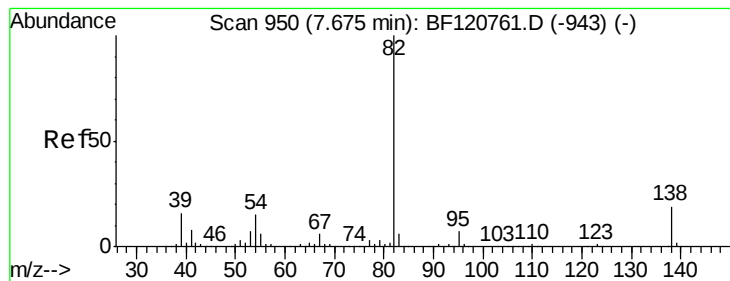
Tot Ion	82	Resp	693781
Ion Ratio	100	Lower	Upper
128	46.3	35.7	53.5
54	50.6	40.9	61.3



#24
Nitrobenzene
Concen: 9.678 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	77	Resp	94447
Ion Ratio	100	Lower	Upper
123	40.6	36.1	54.1
65	14.2	11.0	16.4





#25

Isophorone

Concen: 8.551 ng

RT: 7.66 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

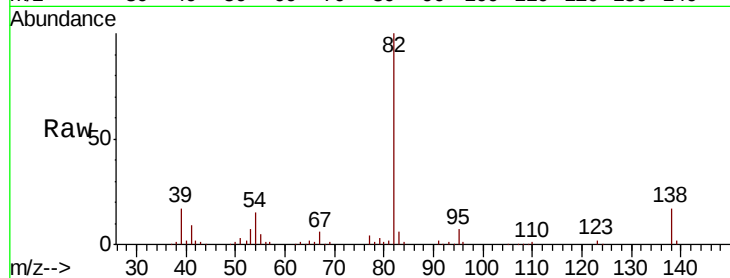
Tot Ion: 82 Resp: 160290

Ion Ratio Lower Upper

82 100

95 6.6 5.4 8.2

138 16.7 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

250000

200000

150000

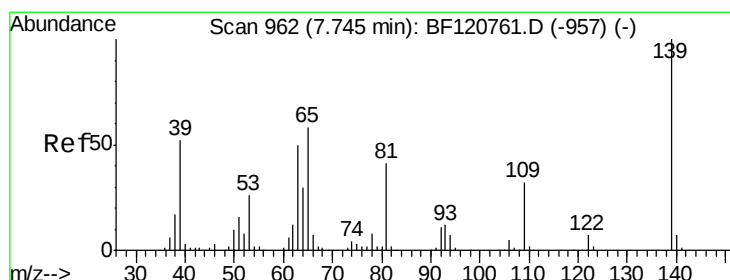
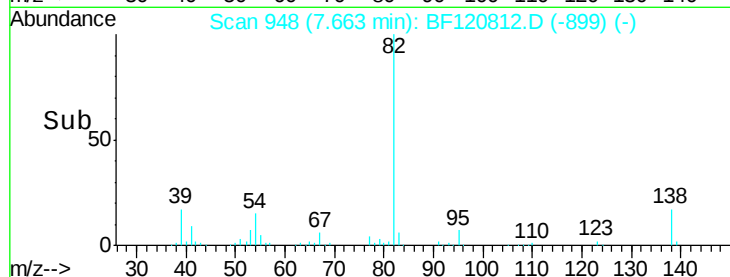
100000

50000

0

7.66

Time-->



#26

2-Nitrophenol

Concen: 8.748 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

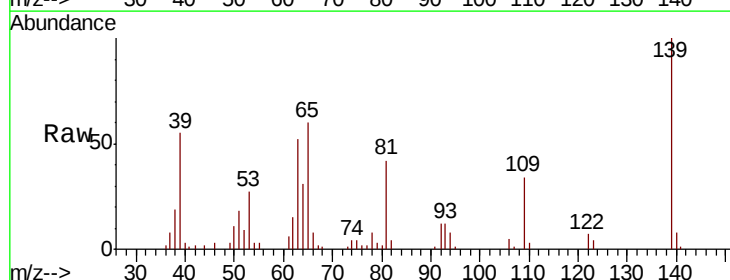
Tgt Ion: 139 Resp: 31209

Ion Ratio Lower Upper

139 100

109 34.0 25.3 37.9

65 60.3 46.2 69.2



Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

50000

40000

30000

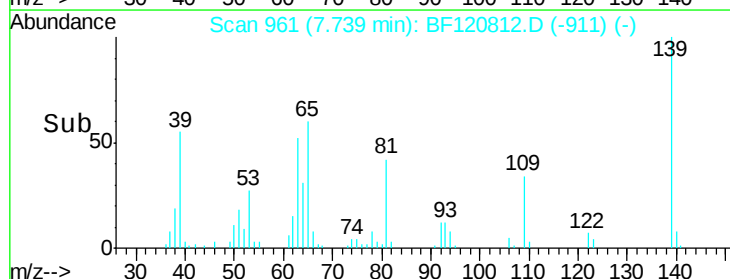
20000

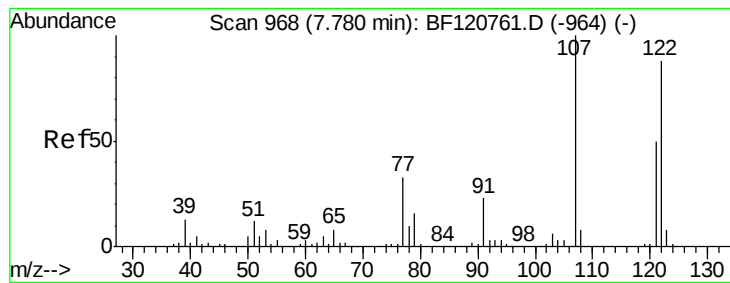
10000

0

7.74

Time-->





#27

2,4-Dimethylphenol

Concen: 9.415 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

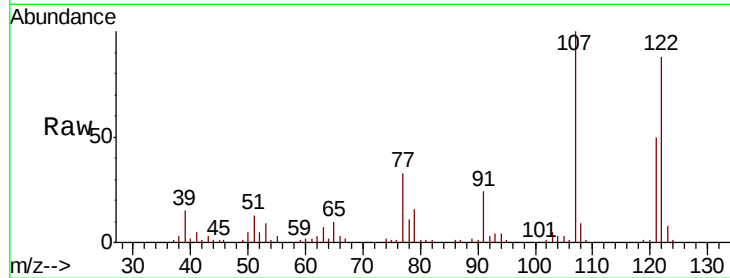
Tot Ion:122 Resp: 70451

Ion Ratio Lower Upper

122 100

107 113.8 90.7 136.1

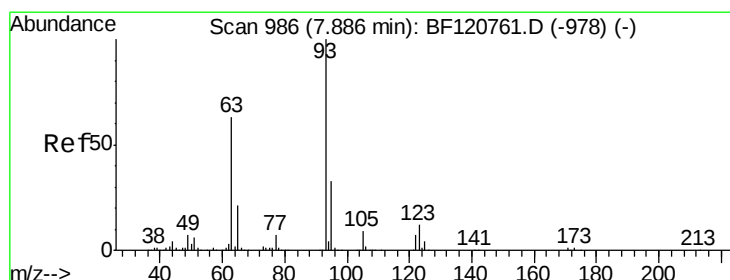
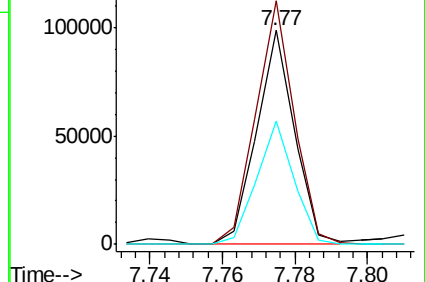
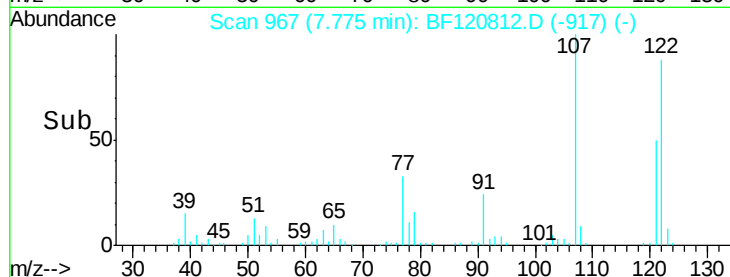
121 57.3 45.4 68.0



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: 9.172 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

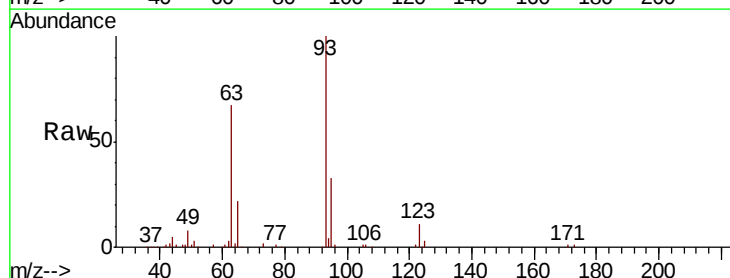
Tgt Ion: 93 Resp: 101746

Ion Ratio Lower Upper

93 100

95 32.7 26.4 39.6

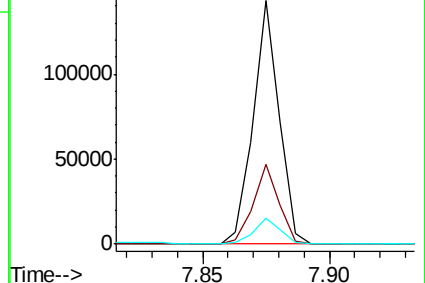
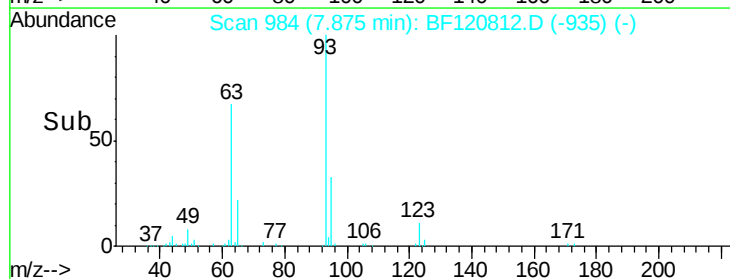
123 10.8 10.2 15.2



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

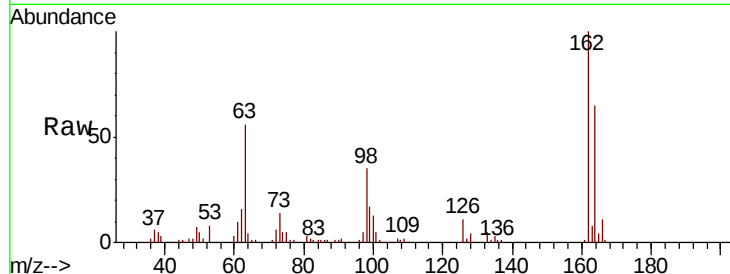




#29
2,4-Dichlorophenol
Concen: 8.483 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.4	45.2	85.2
98	34.8	17.0	57.0

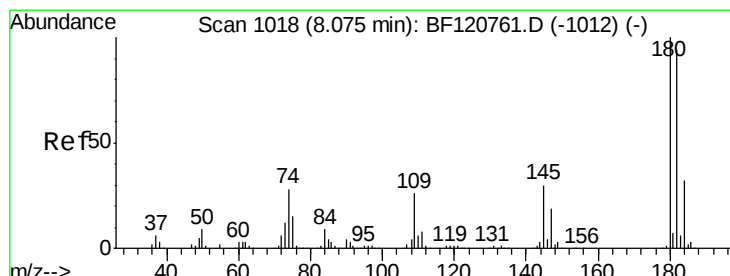
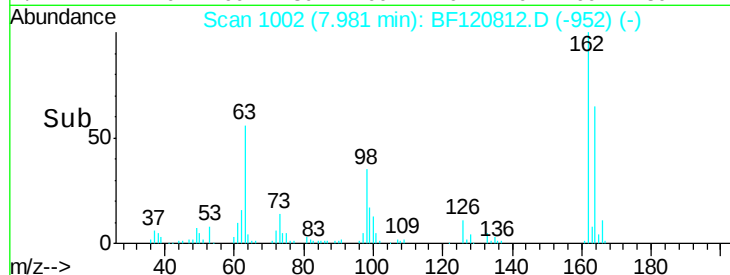
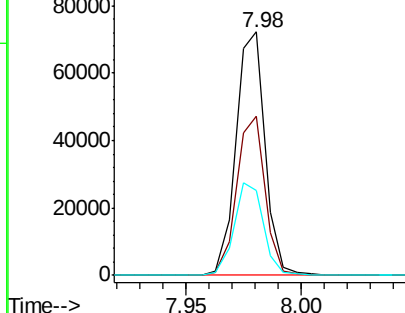


Abundance

Ion 162.00 (161.70 to 162.70): E

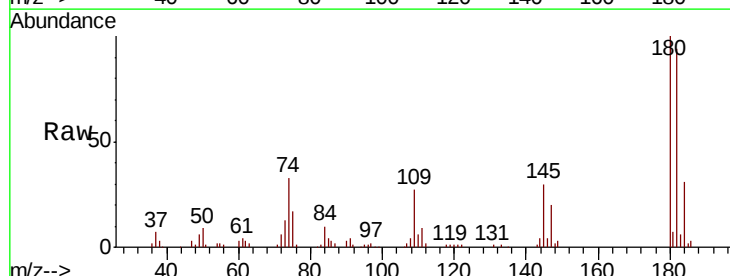
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 8.923 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.5	113.3
145	30.3	24.1	36.1

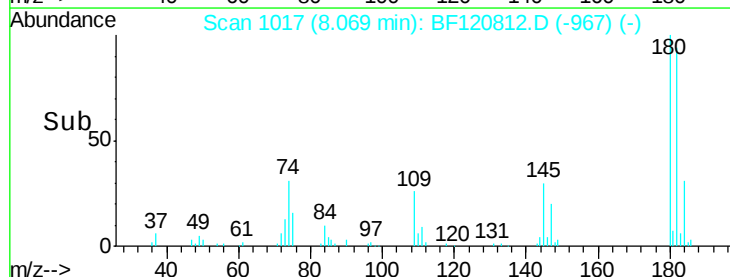
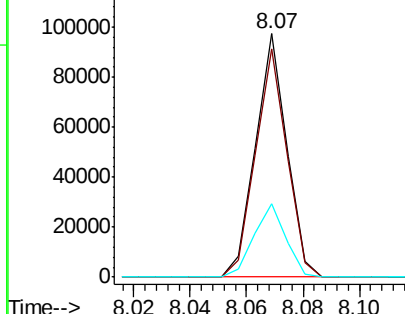


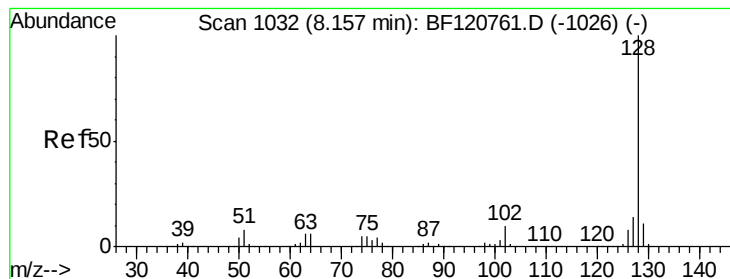
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 9.334 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

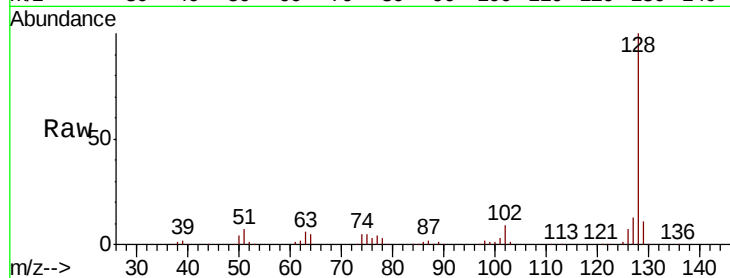
Tot Ion:128 Resp: 251200

Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

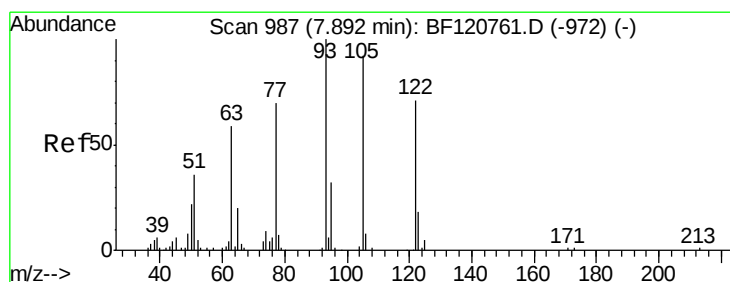
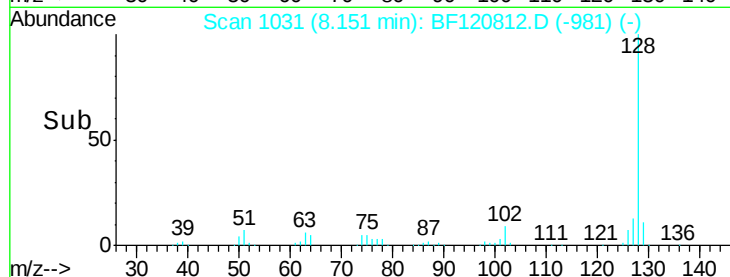
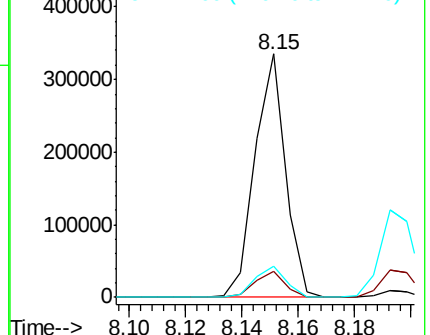
127 12.7 11.1 16.7



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: 5.488 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.06 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

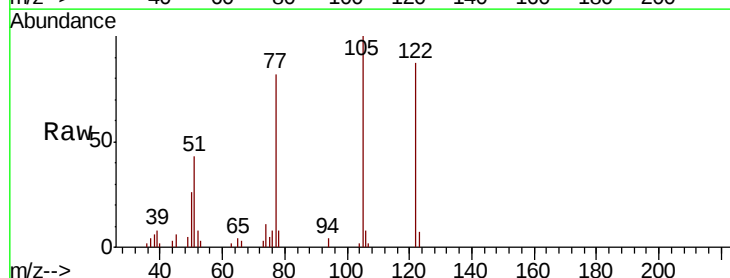
Tgt Ion:122 Resp: 22223

Ion Ratio Lower Upper

122 100

105 114.6 105.8 145.8

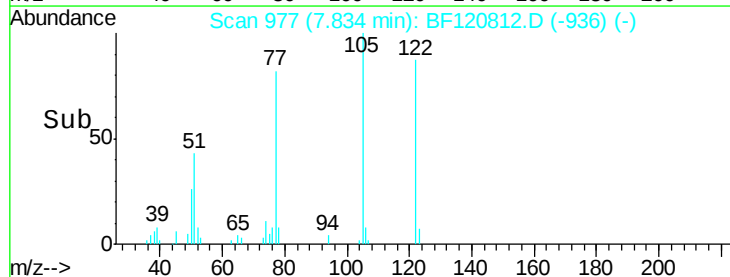
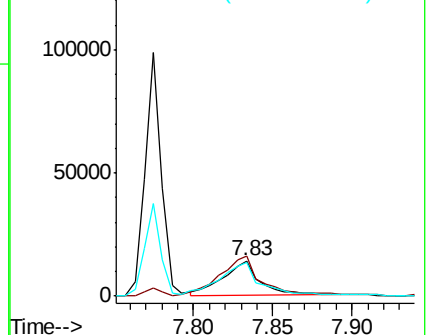
77 94.2 77.3 117.3



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

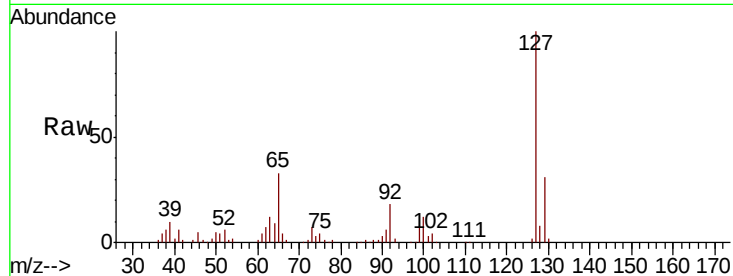




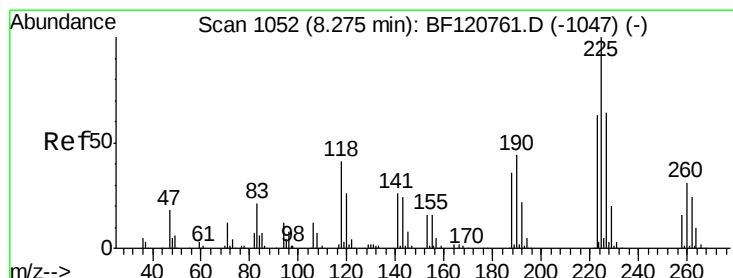
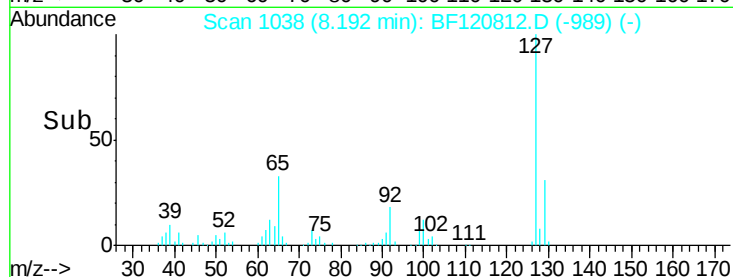
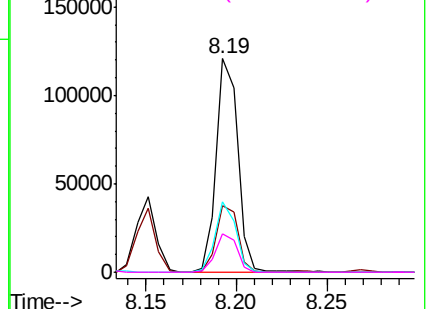
#33
4-Chloroaniline
Concen: 8.755 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion:127	Resp:	99979
Ion Ratio	Lower	Upper
127	100	
129	30.9	26.6 39.8
65	33.2	22.7 34.1
92	18.2	14.3 21.5

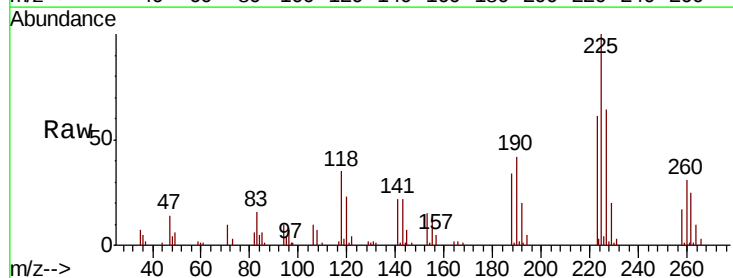


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

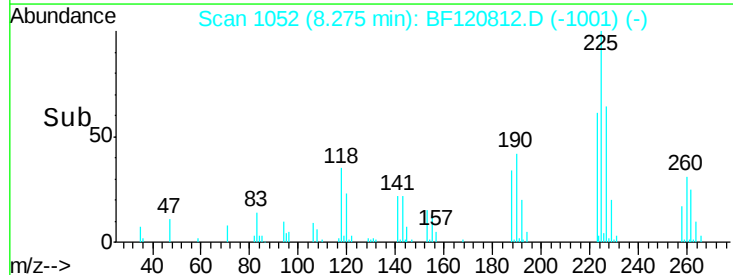
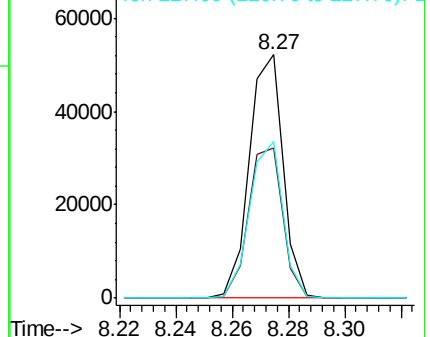


#34
Hexachlorobutadiene
Concen: 8.594 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:225	Resp:	43364
Ion Ratio	Lower	Upper
225	100	
223	64.2	50.6 76.0
227	64.1	51.4 77.2



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

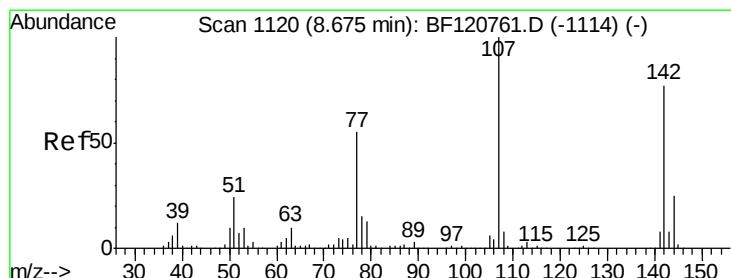
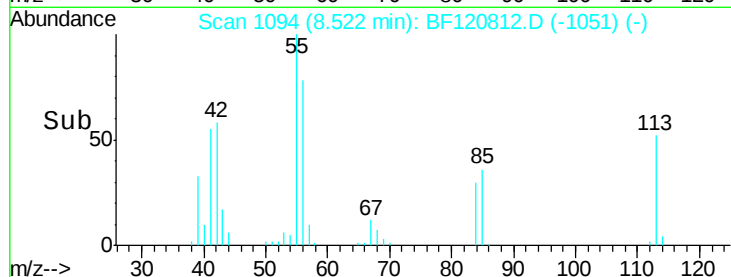
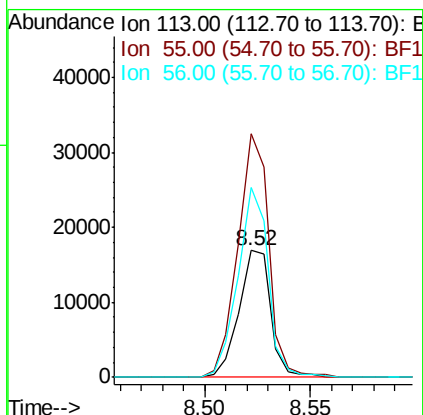
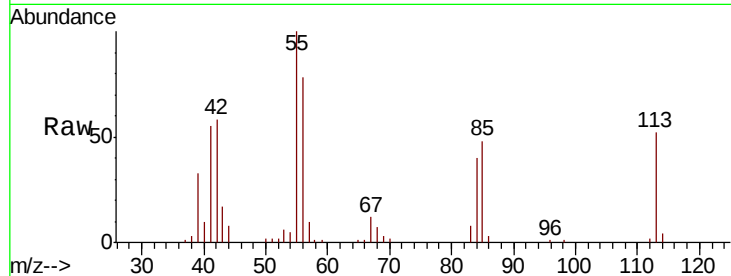




#35
 Caprolactam
 Concen: 8.070 ng
 RT: 8.52 min Scan# 1094
 Delta R.T. -0.05 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

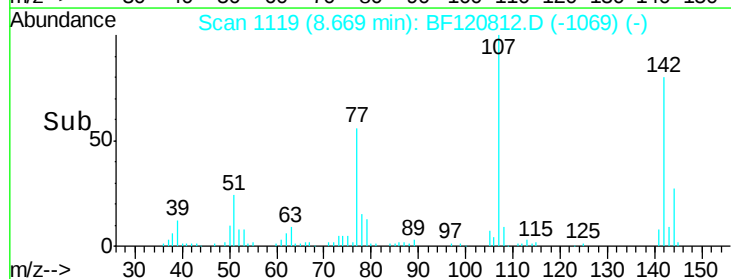
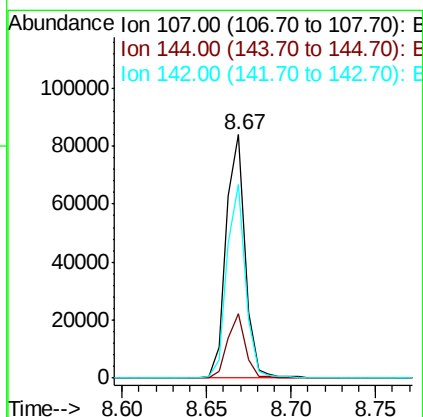
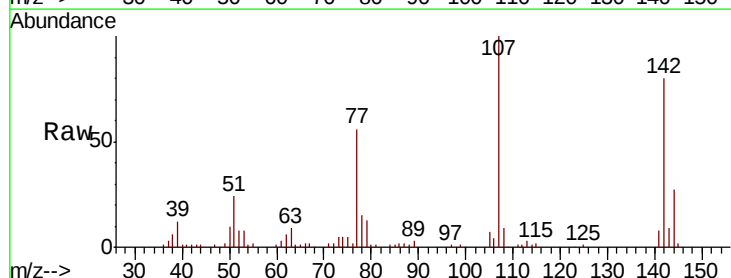
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

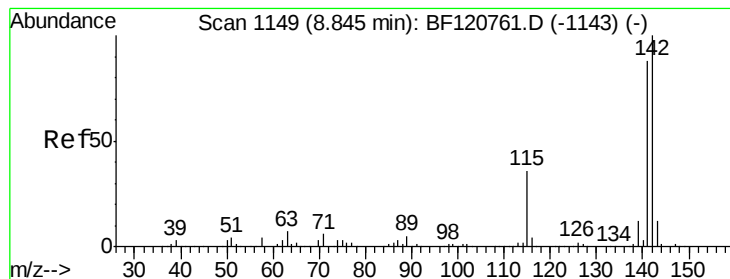
Tot Ion:113 Resp: 17566
 Ion Ratio Lower Upper
 113 100
 55 192.4 168.3 208.3
 56 150.3 118.8 158.8



#36
 4-Chloro-3-methylphenol
 Concen: 8.516 ng
 RT: 8.67 min Scan# 1119
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:107 Resp: 66170
 Ion Ratio Lower Upper
 107 100
 144 26.6 19.7 29.5
 142 79.8 61.2 91.8





#37

2-Methylnaphthalene

Concen: 9.080 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

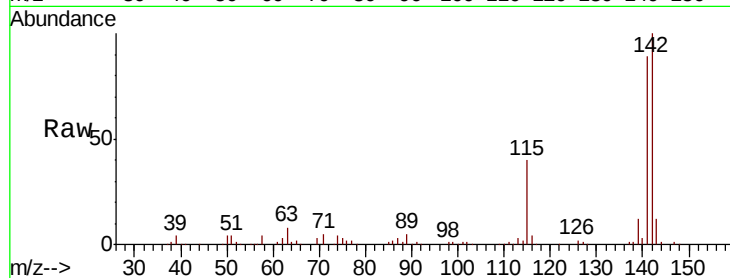
Tot Ion:142 Resp: 158844

Ion Ratio Lower Upper

142 100

141 89.4 70.2 105.4

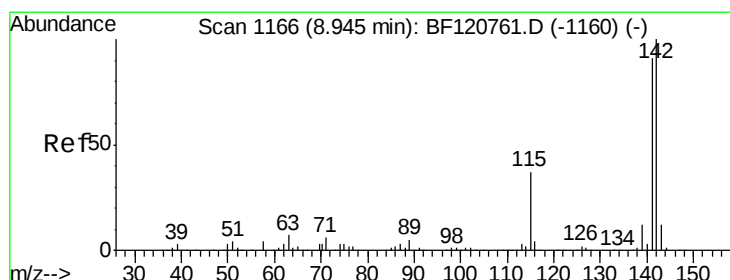
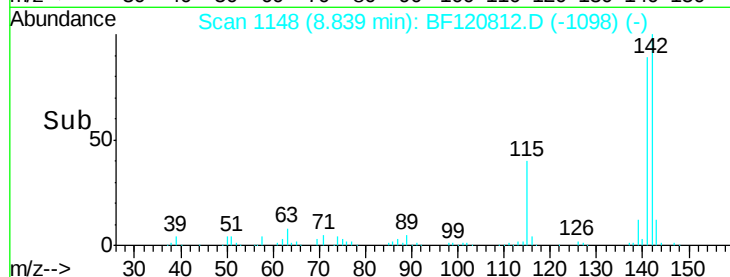
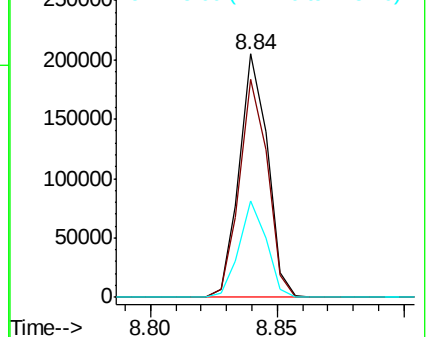
115 39.5 29.0 43.4



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: 9.201 ng

RT: 8.94 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

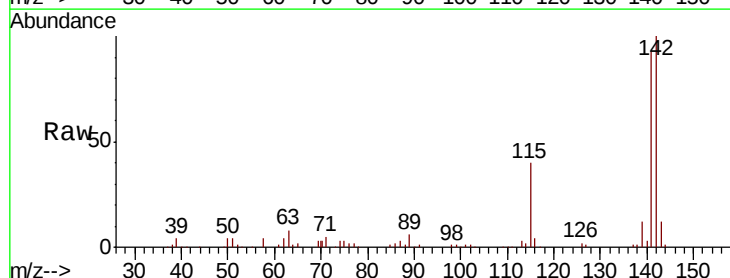
Tgt Ion:142 Resp: 150780

Ion Ratio Lower Upper

142 100

141 92.9 72.5 108.7

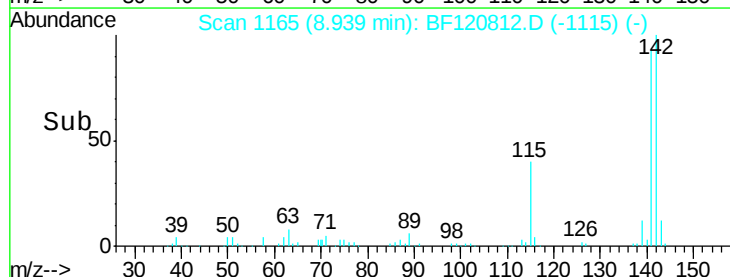
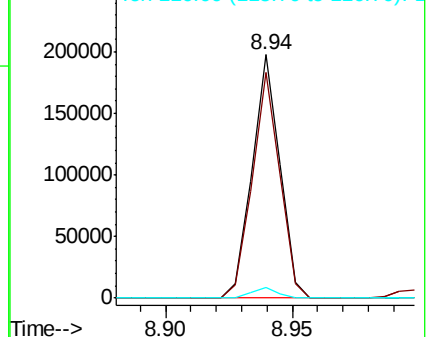
116 4.3 3.1 4.7

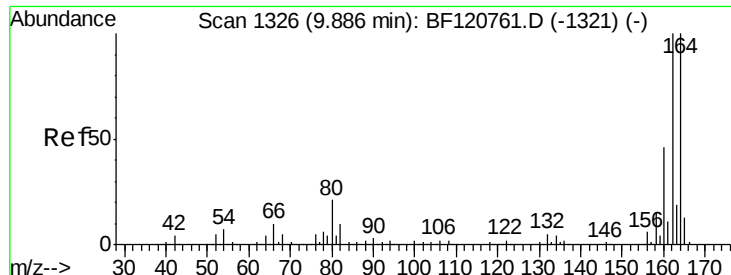


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

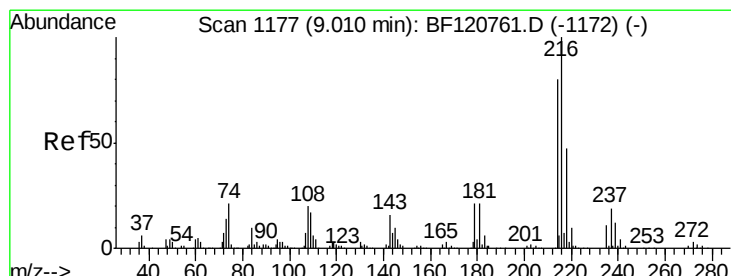
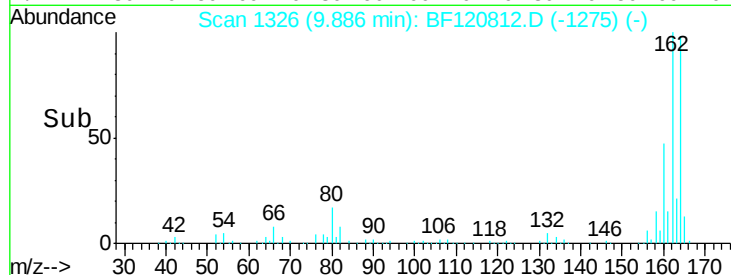
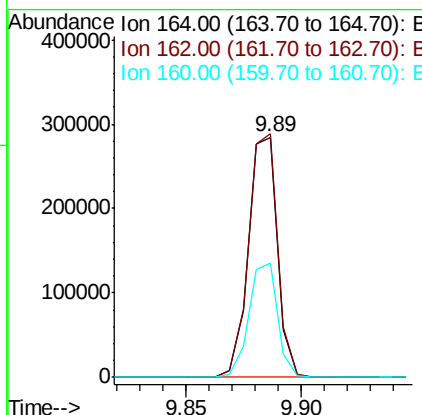
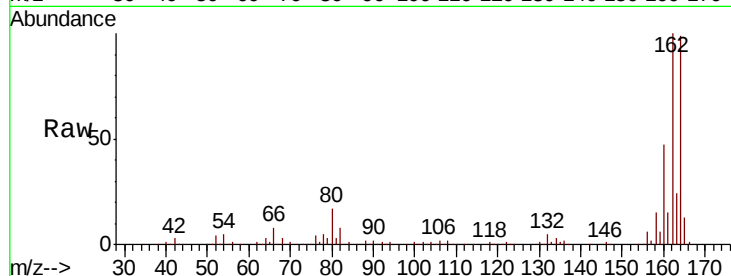




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

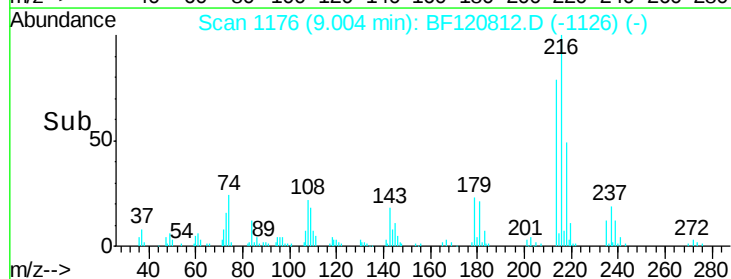
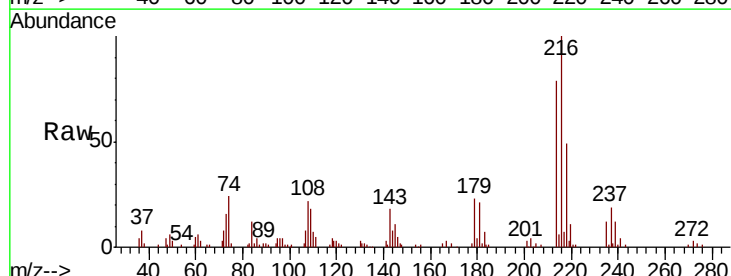
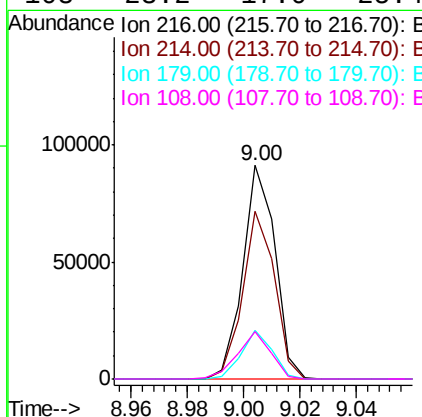
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

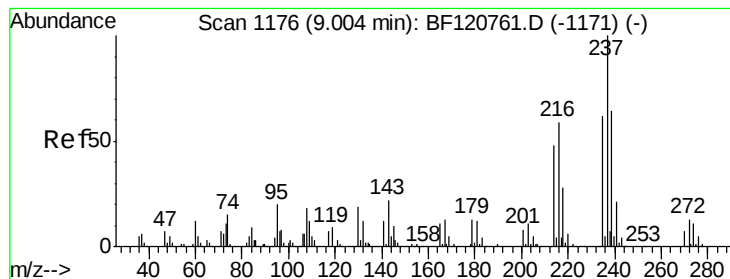
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.2	120.2
160	47.5	36.9	55.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.531 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.7	95.5
179	21.6	16.7	25.1
108	23.2	17.0	25.4





#41

Hexachlorocyclopentadiene

Concen: 8.051 ng

RT: 9.00 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

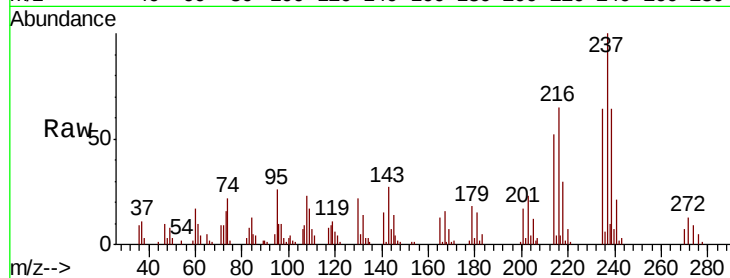
Tot Ion:237 Resp: 36098

Ion Ratio Lower Upper

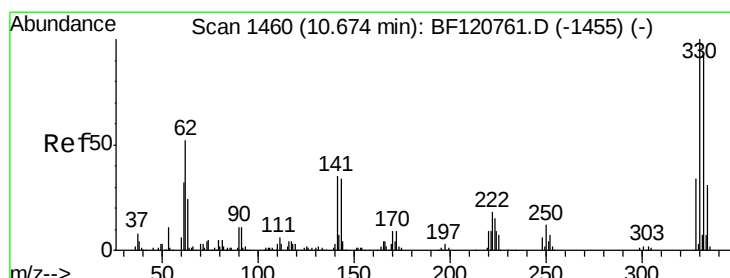
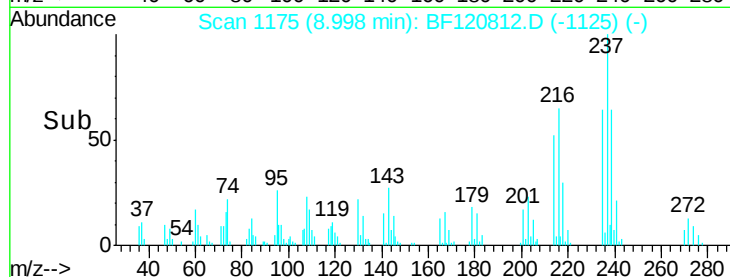
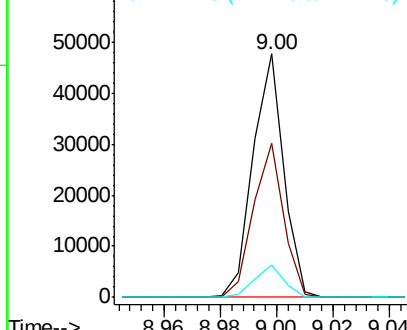
237 100

235 63.5 42.1 82.1

272 13.1 0.0 33.4



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



#42

2,4,6-Tribromophenol

Concen: 103.856 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

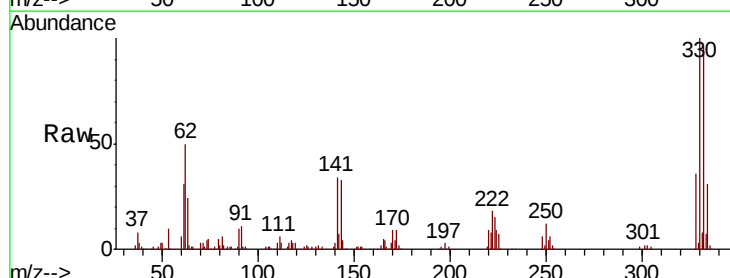
Tgt Ion:330 Resp: 261991

Ion Ratio Lower Upper

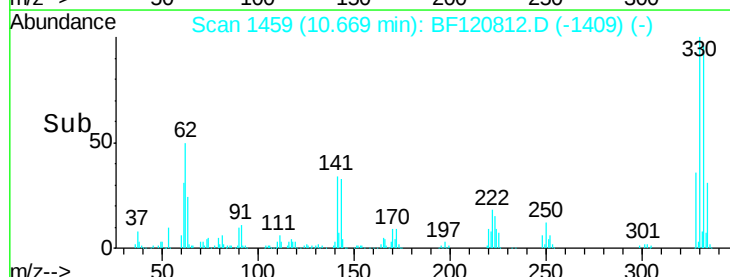
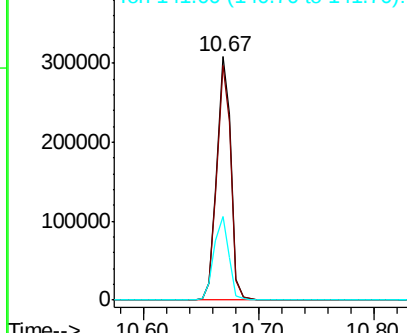
330 100

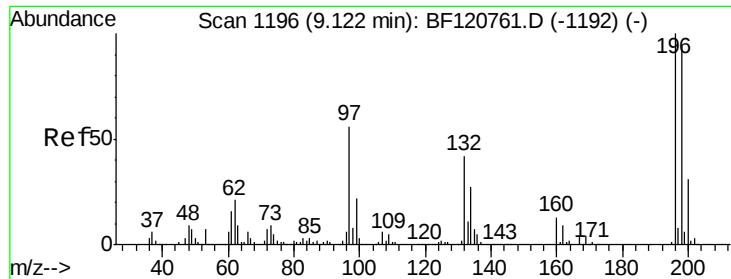
332 96.0 75.8 113.6

141 35.9 29.7 44.5



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

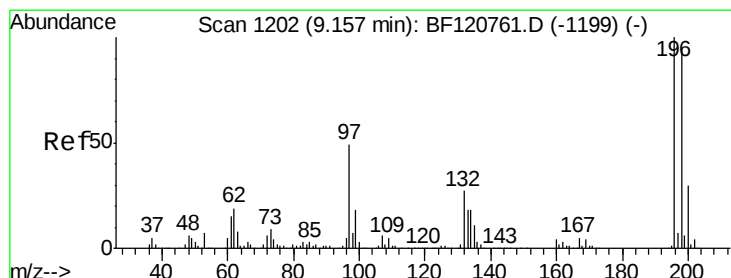
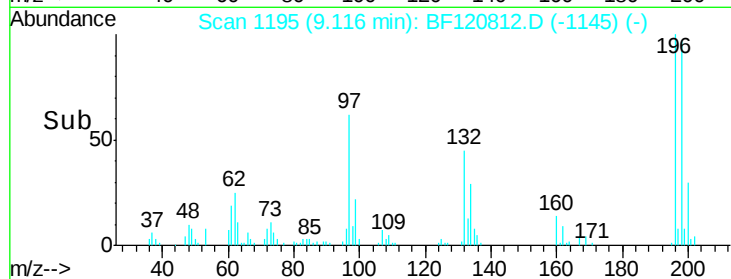
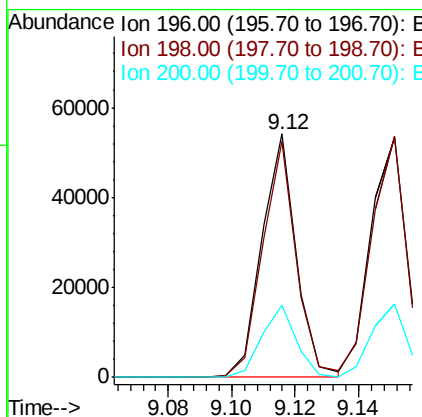
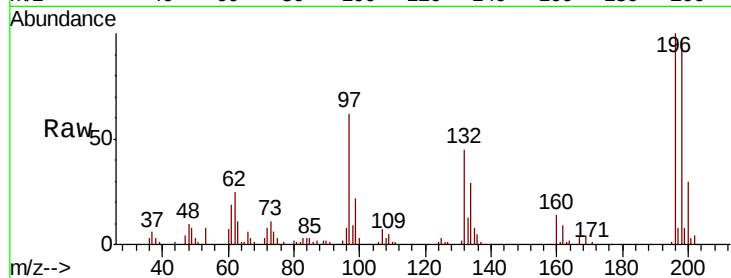




#43
 2,4,6-Trichlorophenol
 Concen: 7.853 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

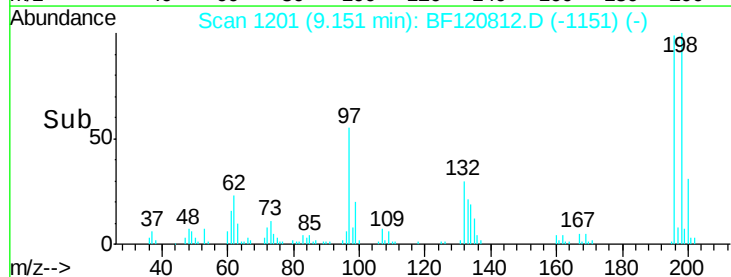
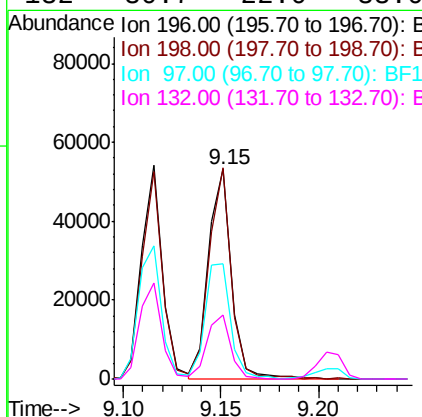
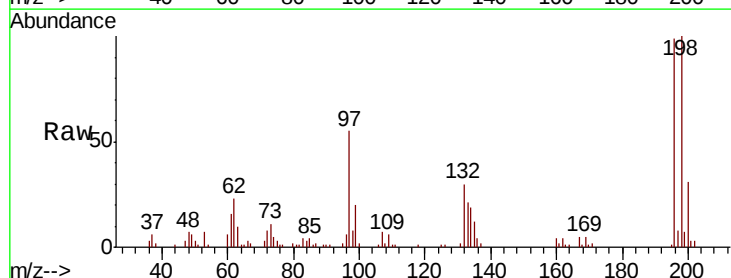
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

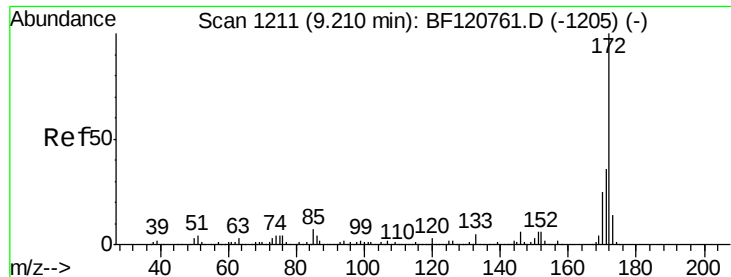
Tot Ion:196 Resp: 40610
 Ion Ratio Lower Upper
 196 100
 198 96.8 75.3 112.9
 200 29.7 24.4 36.6



#44
 2,4,5-Trichlorophenol
 Concen: 7.620 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:196 Resp: 43729
 Ion Ratio Lower Upper
 196 100
 198 100.6 76.2 114.2
 97 55.0 39.6 59.4
 132 30.7 22.0 33.0



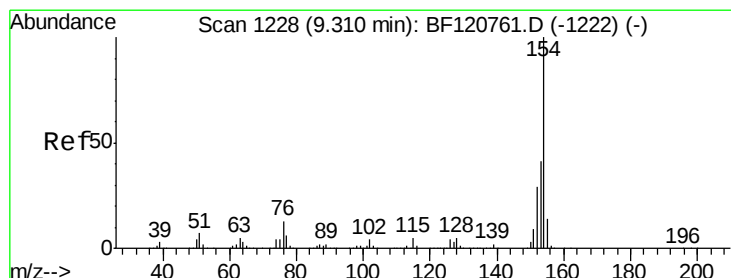
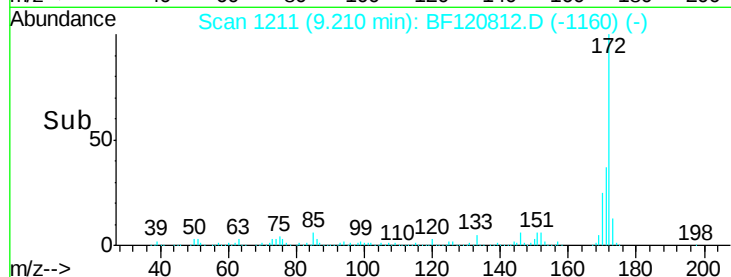
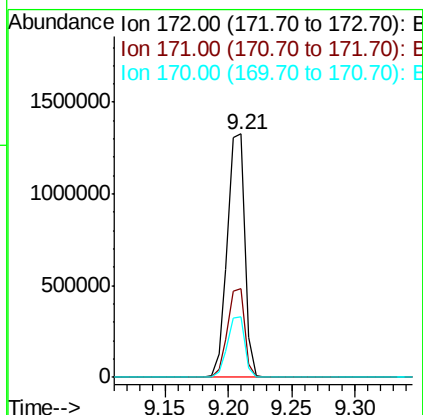
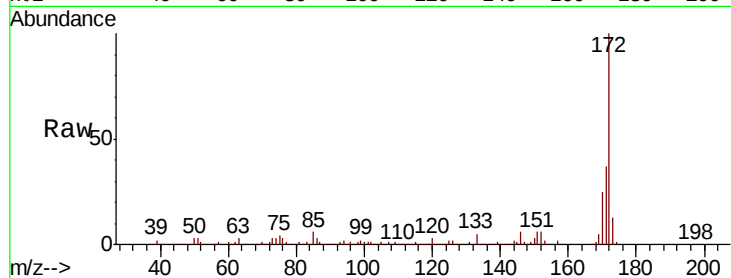


#45
 2-Fluorobiphenyl
 Concen: 76.360 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

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

Tot Ion:172 Resp: 1267318

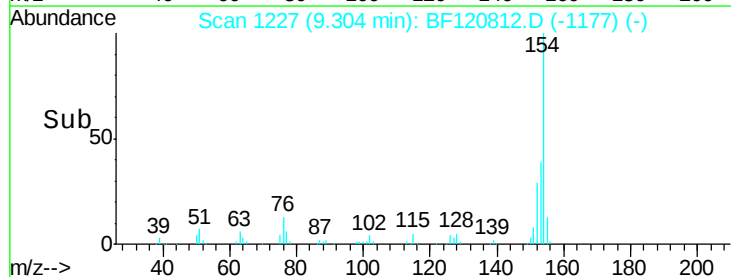
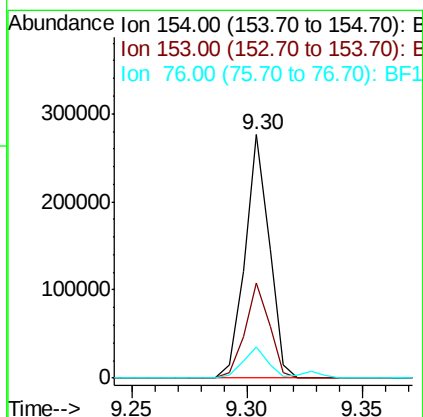
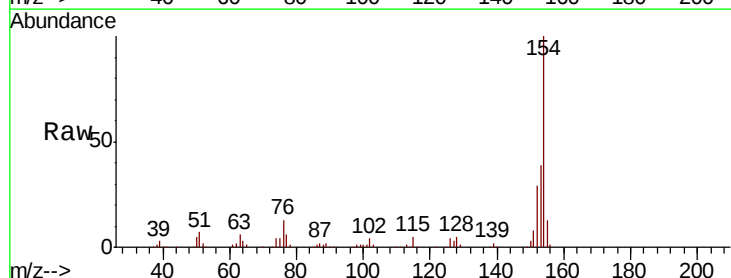
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.1	43.7
170	24.8	19.8	29.6

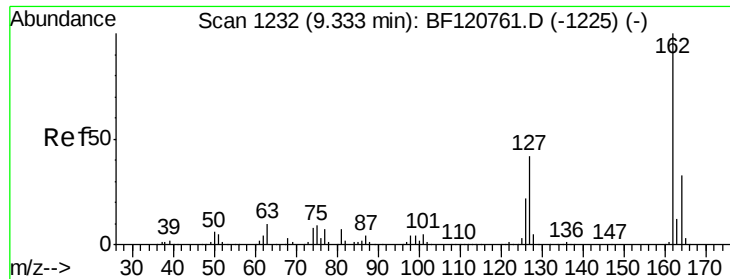


#46
 1,1'-Biphenyl
 Concen: 10.003 ng
 RT: 9.30 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:154 Resp: 202593

Ion	Ratio	Lower	Upper
154	100		
153	38.8	20.7	60.7
76	12.8	0.0	33.3

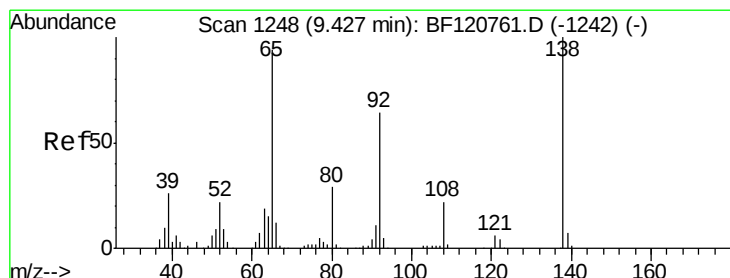
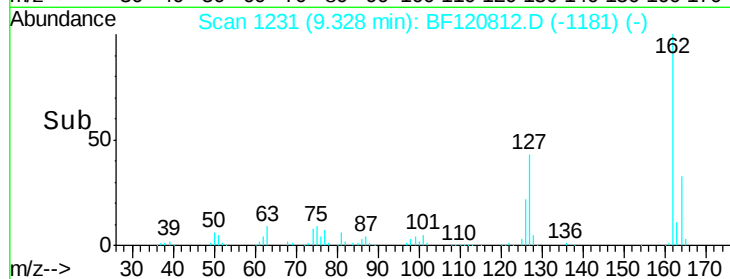
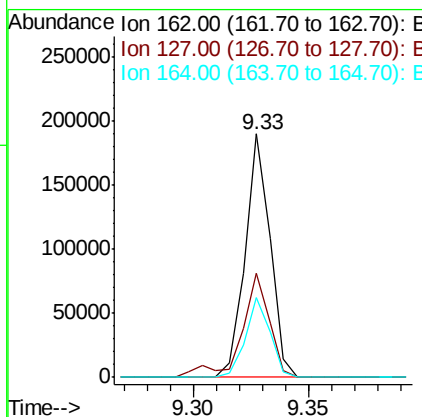
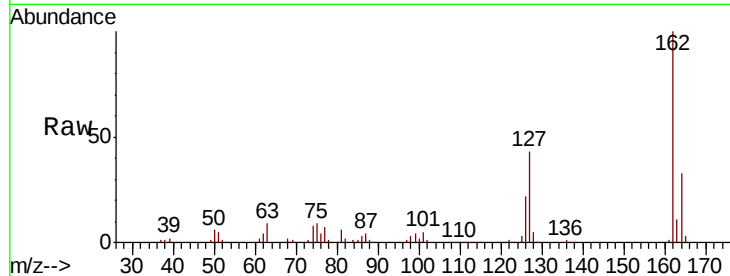




#47
 2-Chloronaphthalene
 Concen: 8.842 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

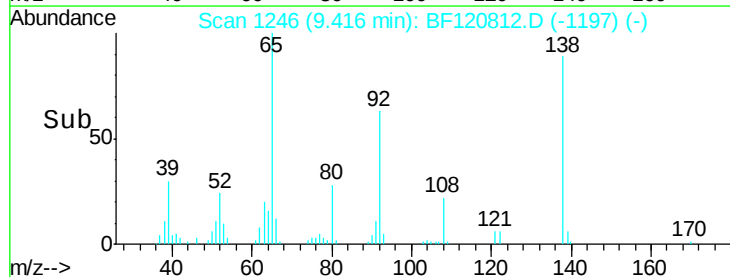
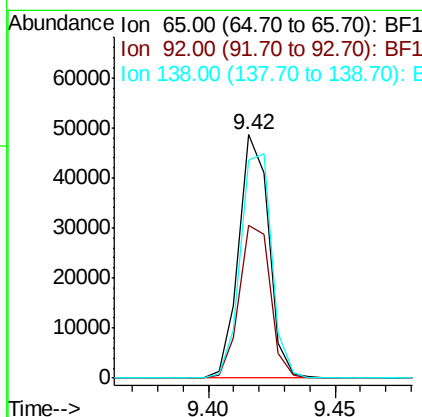
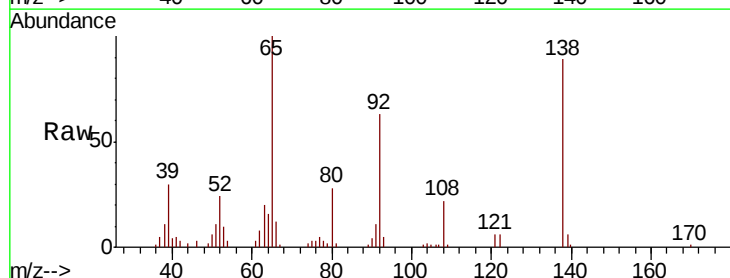
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

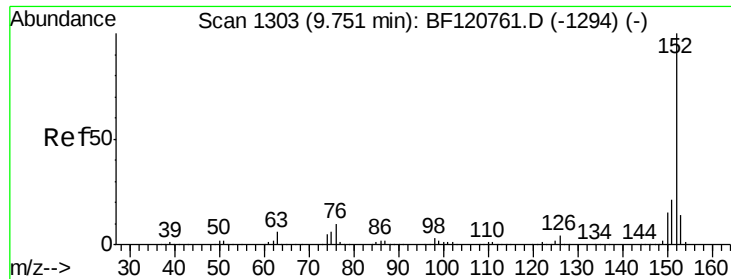
Tot Ion:162 Resp: 143478
 Ion Ratio Lower Upper
 162 100
 127 42.8 33.7 50.5
 164 32.6 26.4 39.6



#48
 2-Nitroaniline
 Concen: 9.221 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion: 65 Resp: 40032
 Ion Ratio Lower Upper
 65 100
 92 62.7 54.4 81.6
 138 89.4 84.7 127.1





#49

Acenaphthylene

Concen: 8.958 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

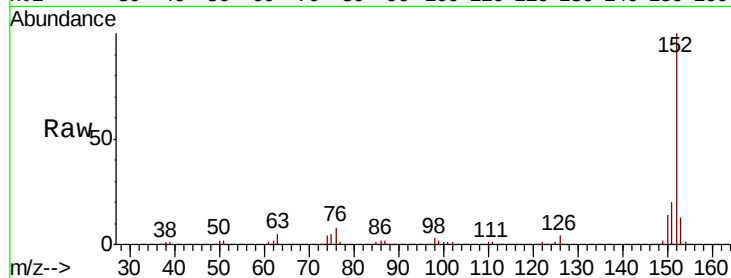
Tot Ion:152 Resp: 227883

Ion Ratio Lower Upper

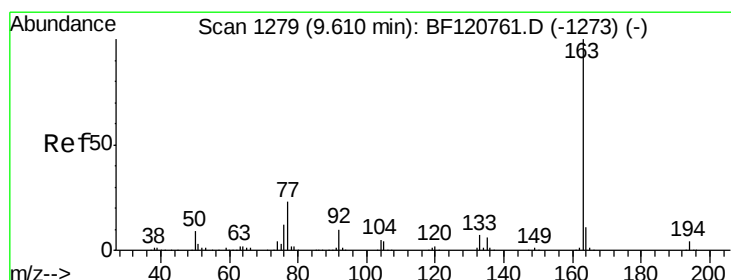
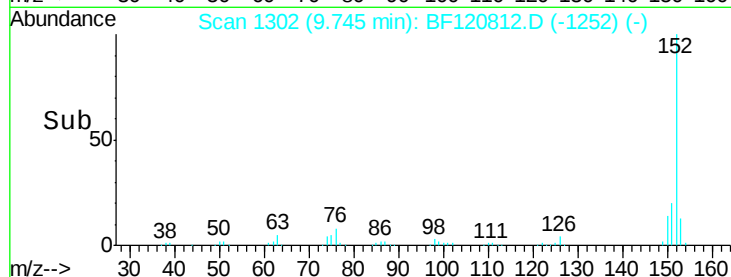
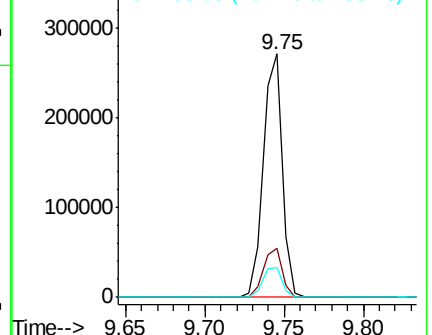
152 100

151 20.3 16.9 25.3

153 12.5 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: 8.725 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

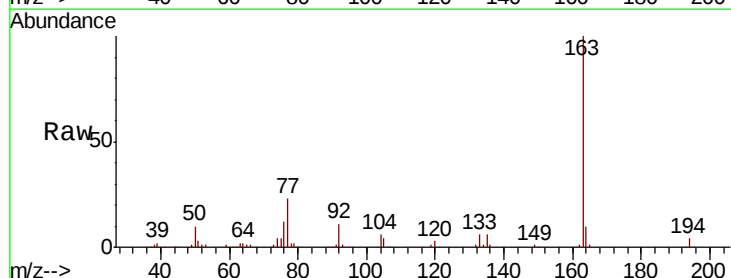
Tgt Ion:163 Resp: 159810

Ion Ratio Lower Upper

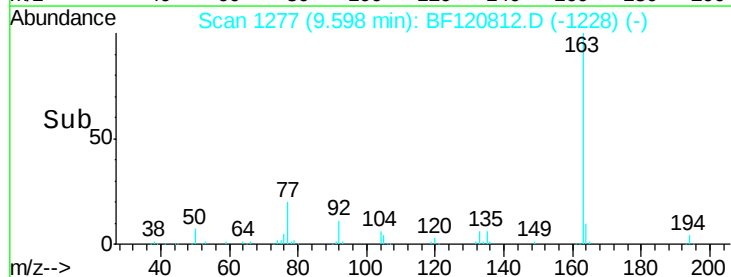
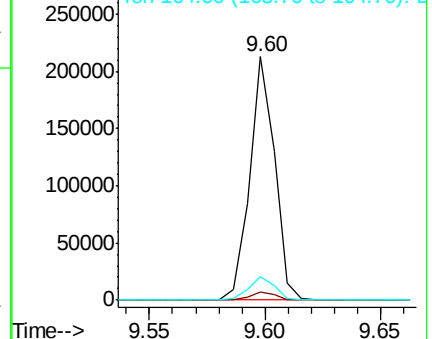
163 100

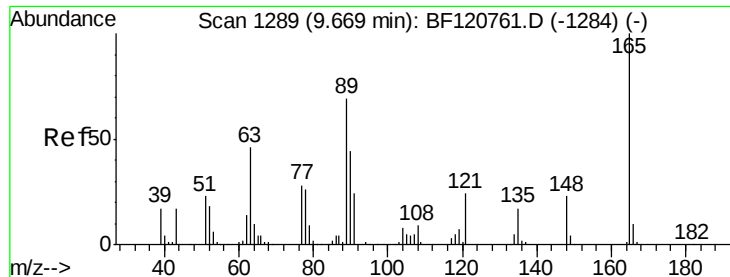
194 3.6 2.9 4.3

164 9.8 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

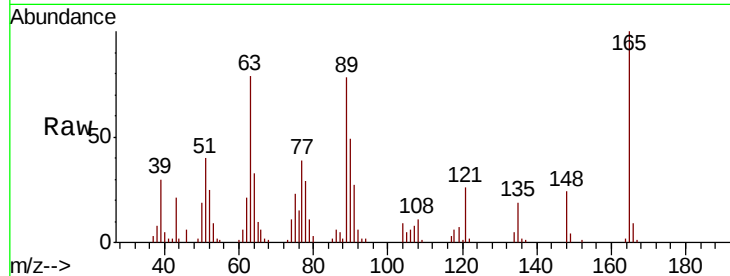




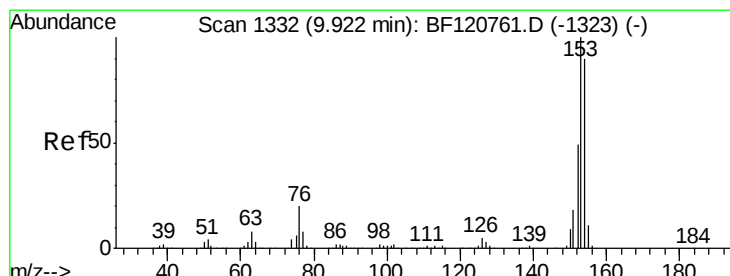
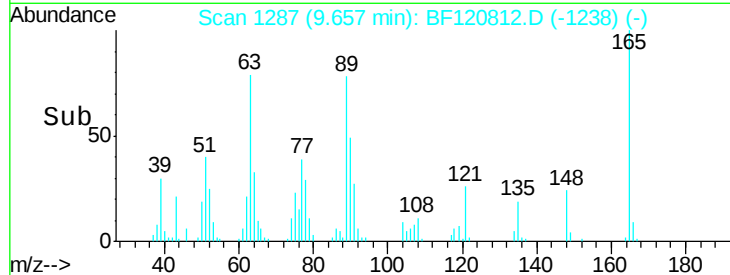
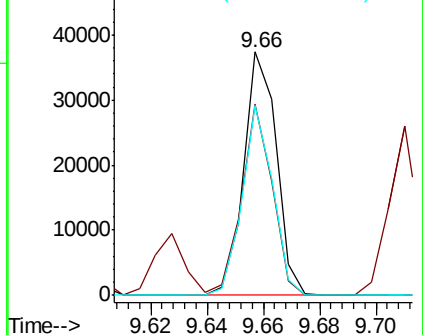
#51
2,6-Dinitrotoluene
Concen: 9.076 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion:165 Resp: 30034
Ion Ratio Lower Upper
165 100
63 78.7 54.0 81.0
89 78.1 55.4 83.2

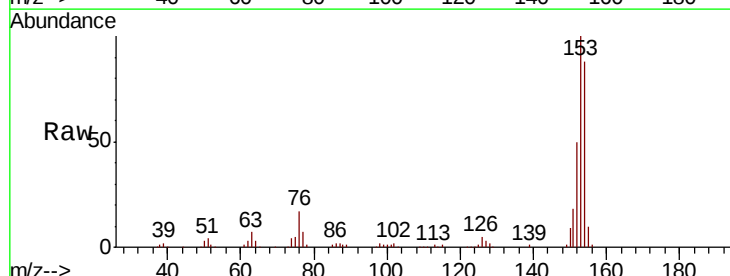


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

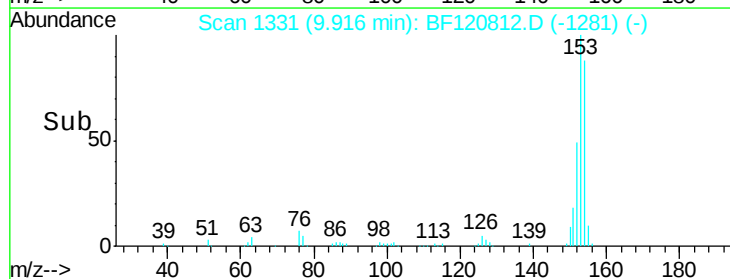
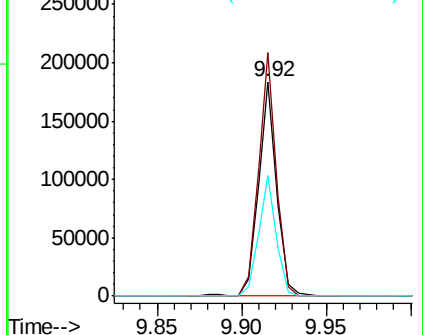


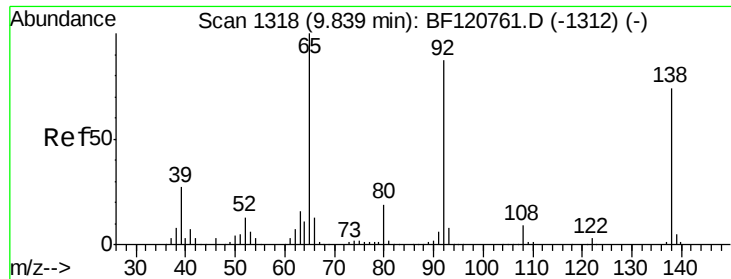
#52
Acenaphthene
Concen: 8.751 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:154 Resp: 138113
Ion Ratio Lower Upper
154 100
153 113.4 88.6 132.8
152 56.3 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

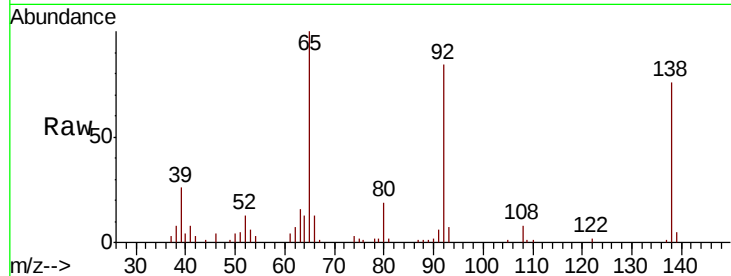




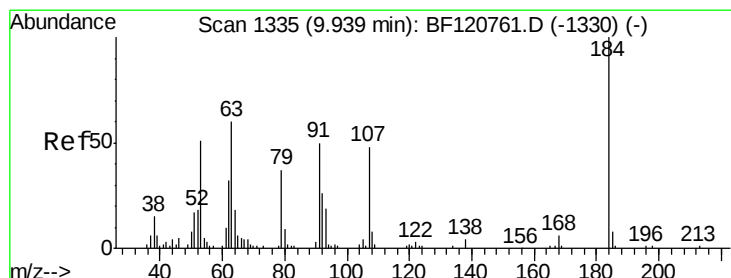
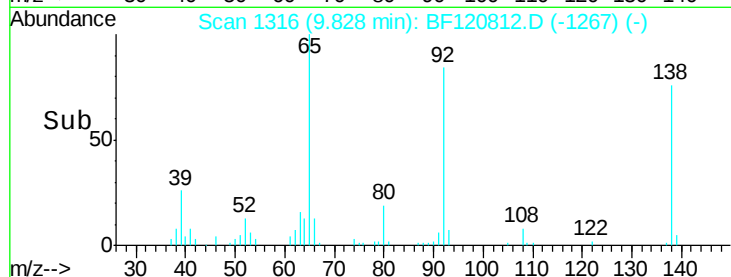
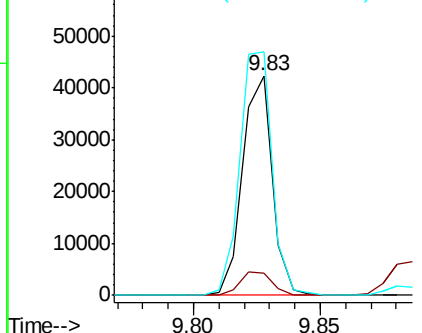
#53
3-Nitroaniline
Concen: 8.470 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion:138 Resp: 34629
Ion Ratio Lower Upper
138 100
108 10.1 9.8 14.6
92 110.7 93.4 140.2

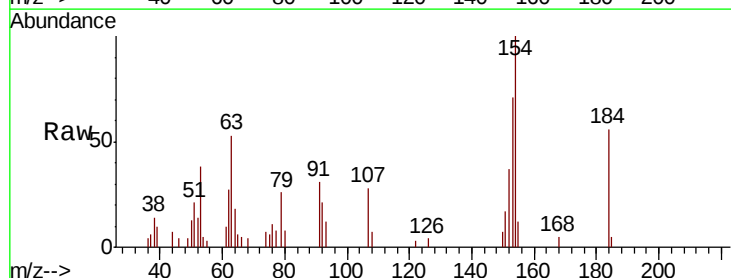


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

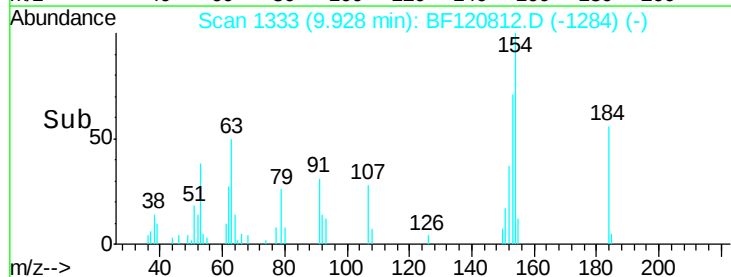
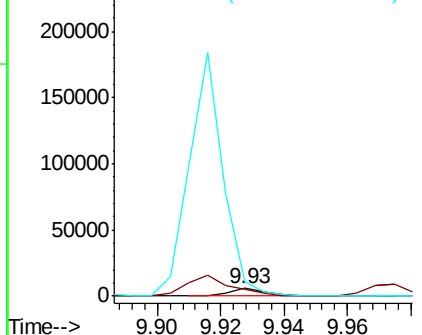


#54
2,4-Dinitrophenol
Concen: 4.109 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:184 Resp: 4491
Ion Ratio Lower Upper
184 100
63 94.5 57.3 85.9#
154 177.7 55.8 83.6#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

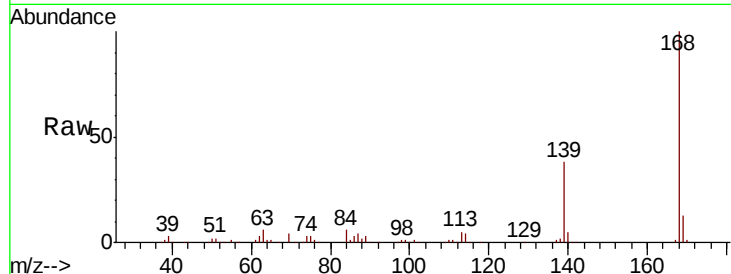




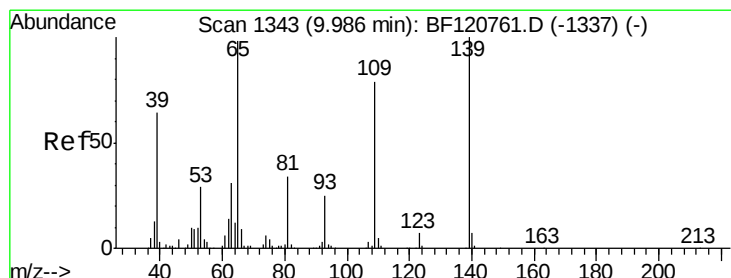
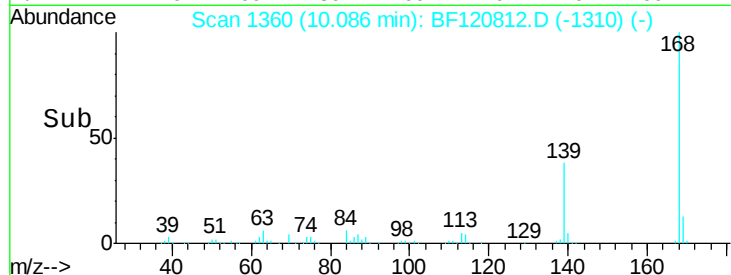
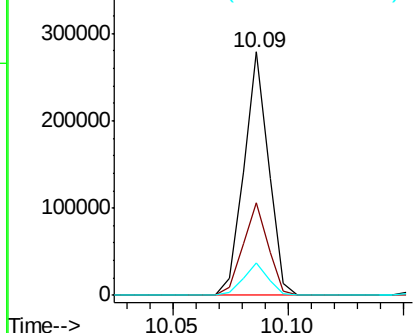
#55
Dibenzenofuran
Concen: 9.165 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion:168 Resp: 208491
Ion Ratio Lower Upper
168 100
139 38.0 31.3 46.9
169 13.1 11.2 16.8

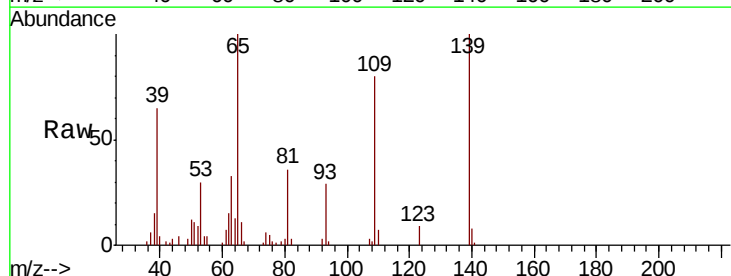


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

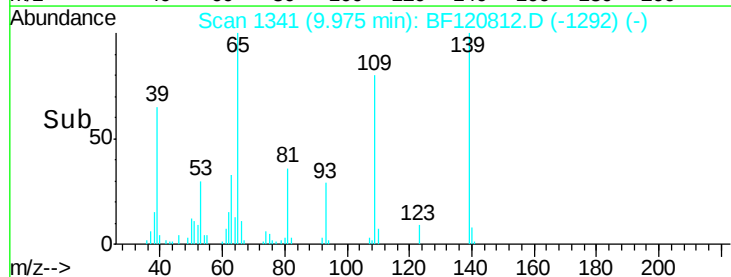
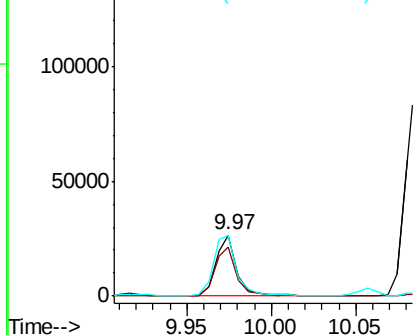


#56
4-Nitrophenol
Concen: 7.620 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:139 Resp: 22881
Ion Ratio Lower Upper
139 100
109 80.0 58.6 98.6
65 100.1 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

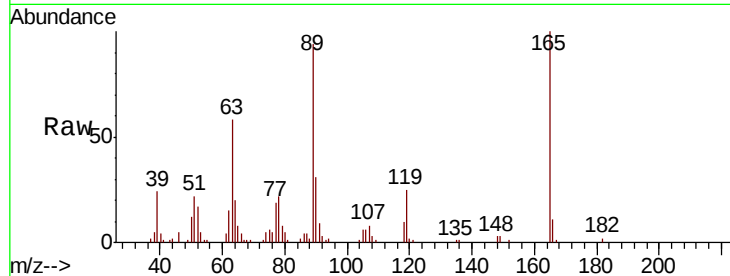




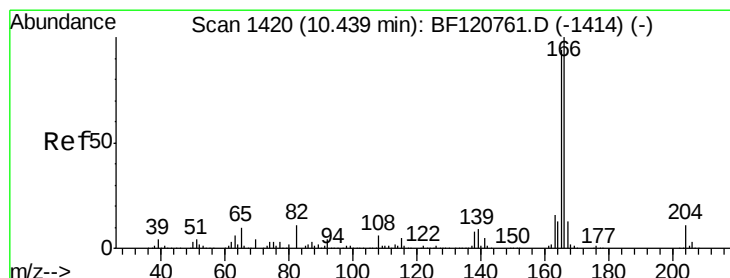
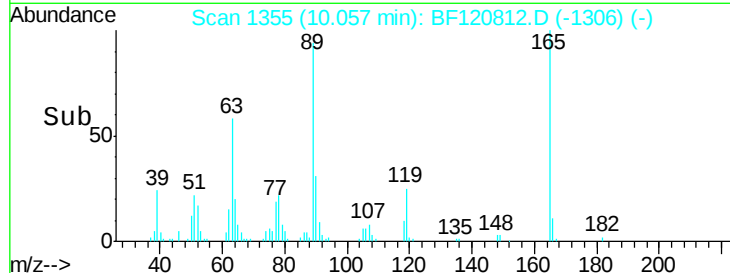
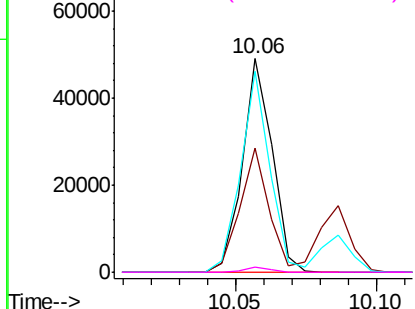
#57
 2,4-Dinitrotoluene
 Concen: 9.031 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

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

Tot Ion:165 Resp: 35880
 Ion Ratio Lower Upper
 165 100
 63 58.1 43.8 65.8
 89 94.0 71.4 107.2
 182 2.4 1.8 2.6

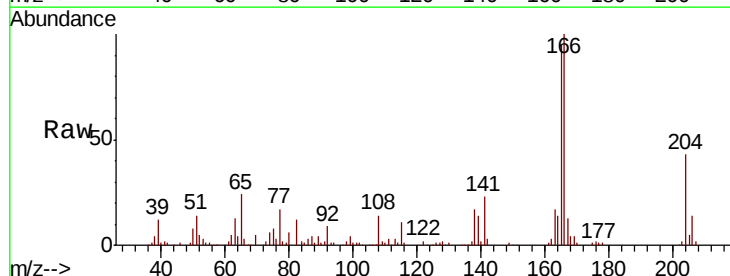


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

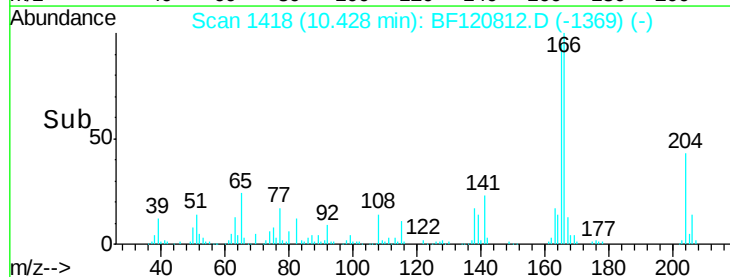
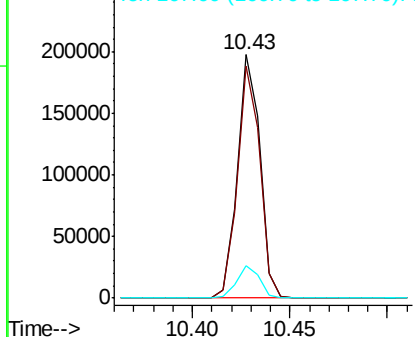


#58
 Fluorene
 Concen: 9.299 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:166 Resp: 157459
 Ion Ratio Lower Upper
 166 100
 165 95.5 75.5 113.3
 167 13.5 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

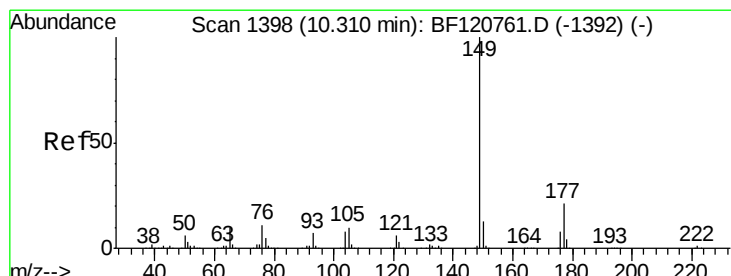
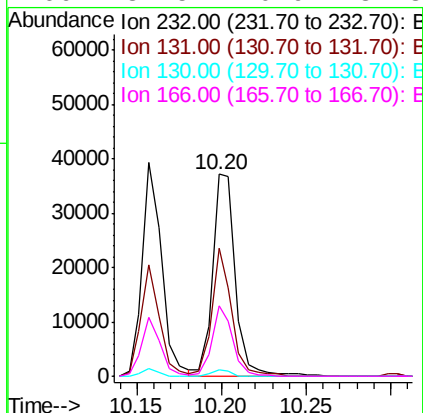
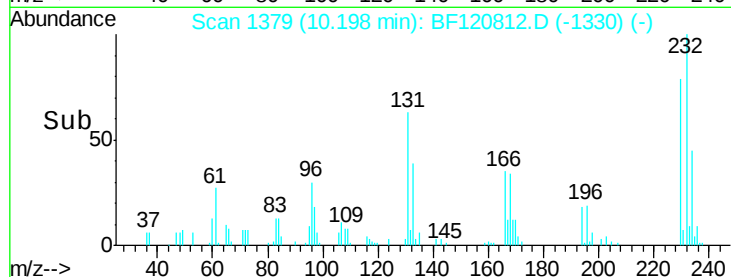
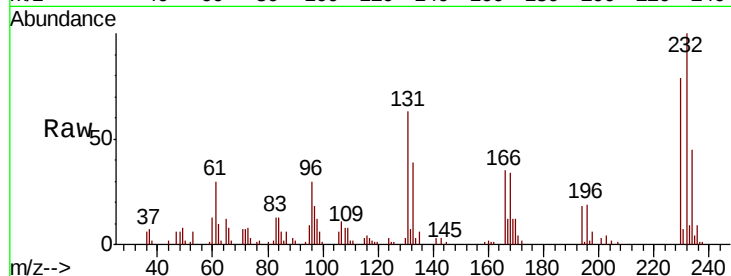




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.298 ng
RT: 10.20 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

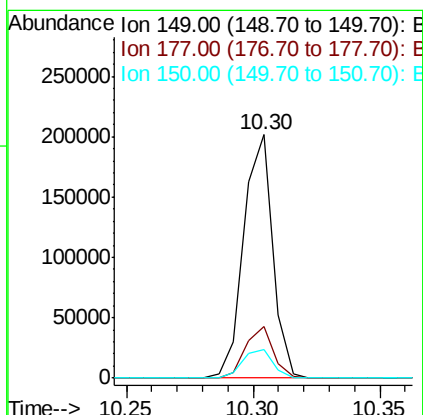
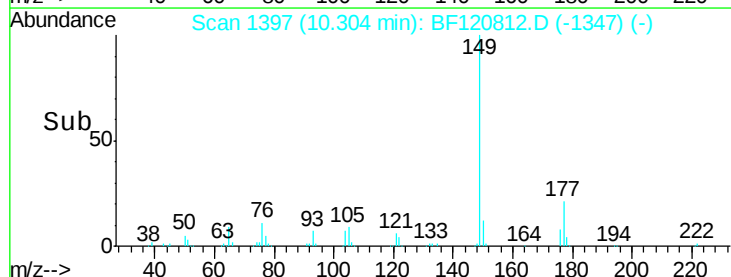
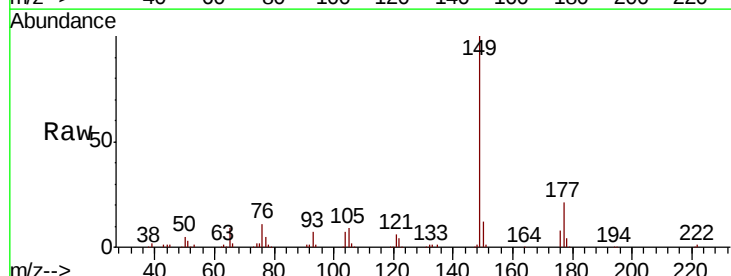
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

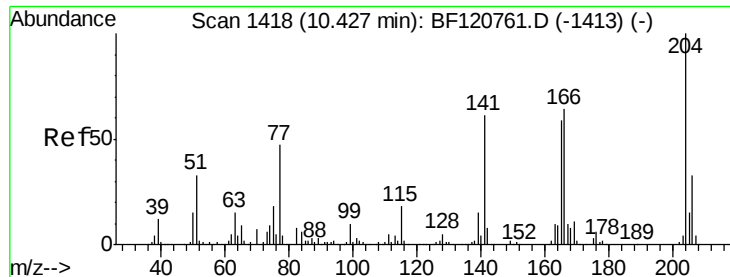
Tot Ion:232 Resp: 35437
Ion Ratio Lower Upper
232 100
131 54.6 36.3 54.5#
130 2.7 2.0 3.0
166 31.5 20.9 31.3#



#60
Diethylphthalate
Concen: 8.410 ng
RT: 10.30 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:149 Resp: 160474
Ion Ratio Lower Upper
149 100
177 21.0 16.4 24.6
150 11.9 10.2 15.4

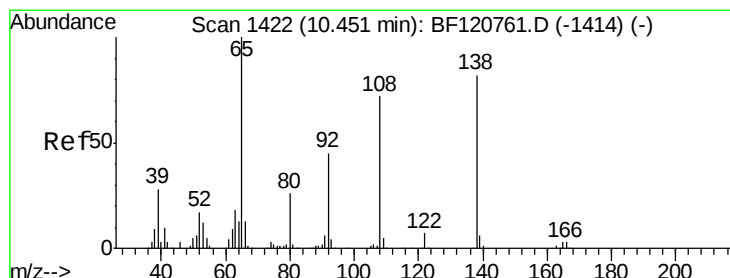
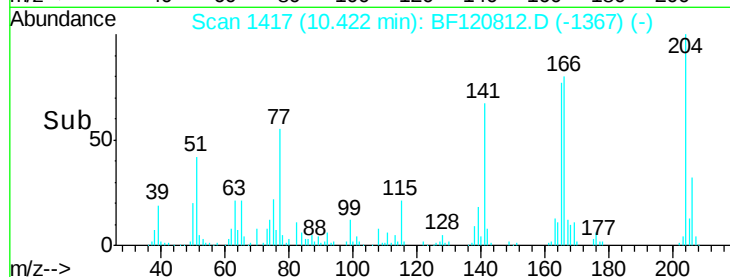
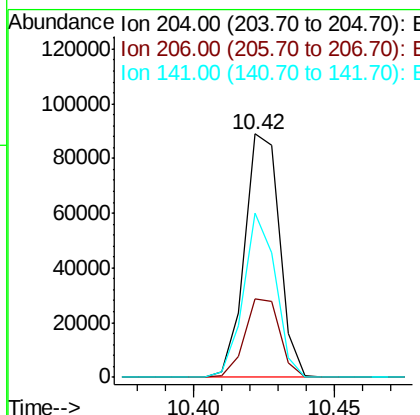
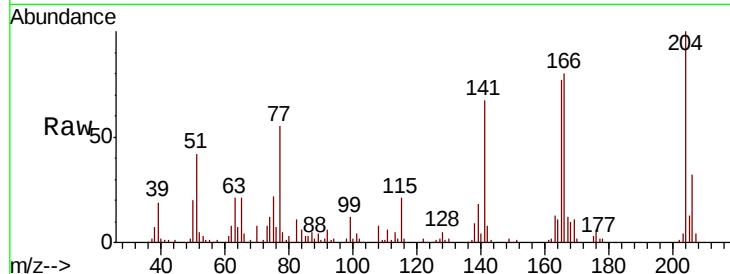




#61
4-Chlorophenyl-phenylether
Concen: 8.967 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

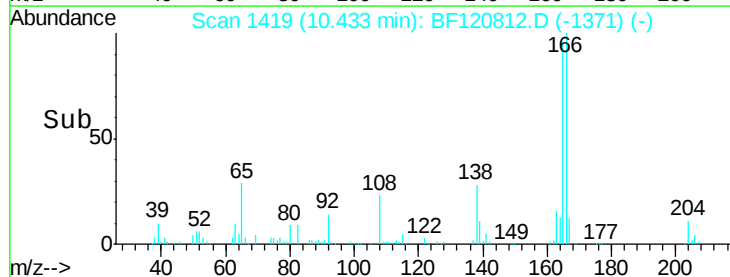
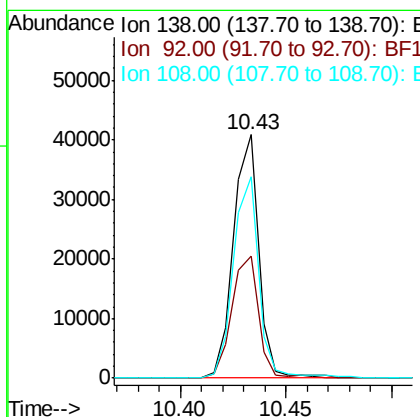
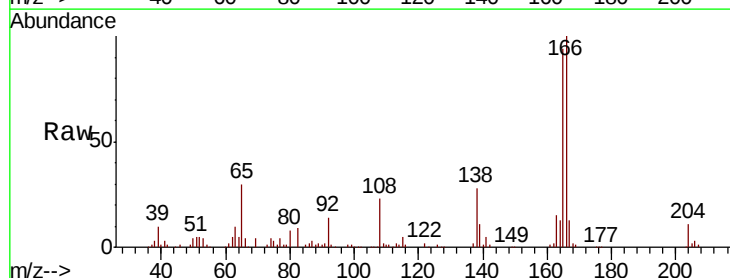
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

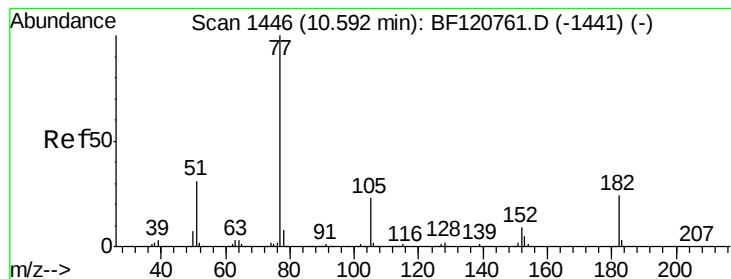
Tot Ion:204 Resp: 76331
Ion Ratio Lower Upper
204 100
206 32.5 26.7 40.1
141 67.3 48.5 72.7



#62
4-Nitroaniline
Concen: 8.637 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.02 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:138 Resp: 33613
Ion Ratio Lower Upper
138 100
92 50.0 34.3 74.3
108 82.6 68.3 108.3





#63

Azobenzene

Concen: 8.939 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 77 Resp: 174482

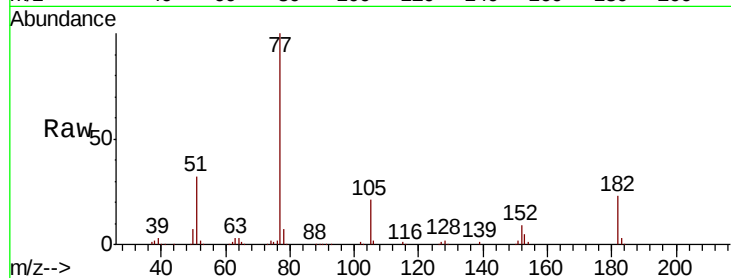
Ion Ratio Lower Upper

77 100

182 22.7 4.0 44.0

105 20.8 2.6 42.6

51 31.8 11.5 51.5

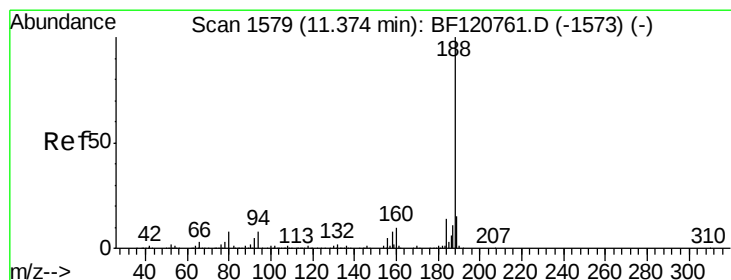
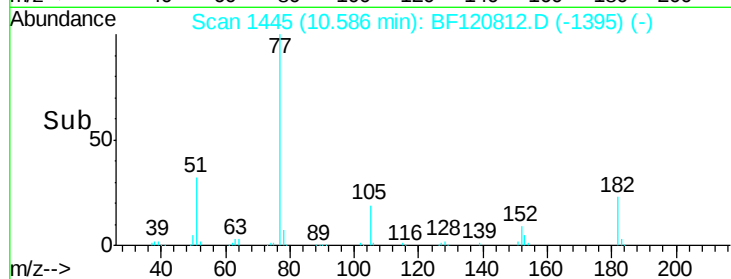
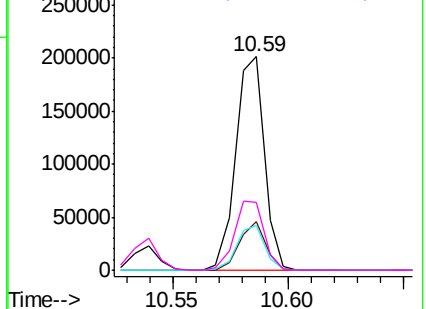


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF120812.D

Acq: 9 Jul 2020 12:04

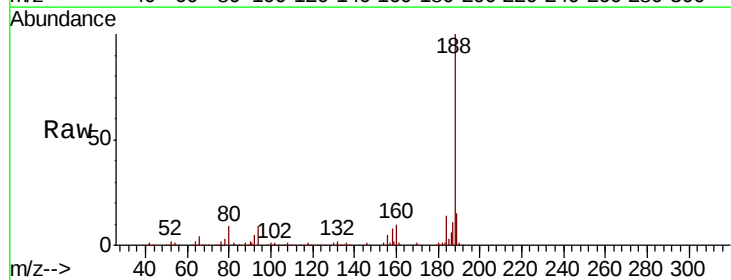
Tgt Ion: 188 Resp: 442635

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

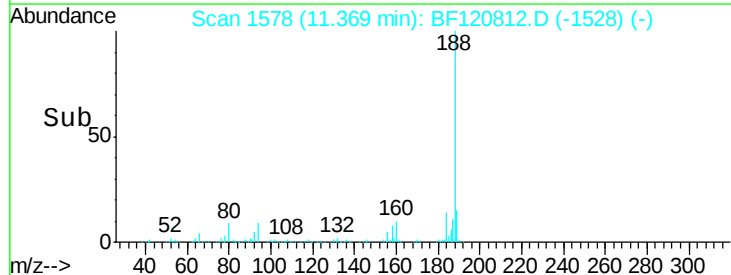
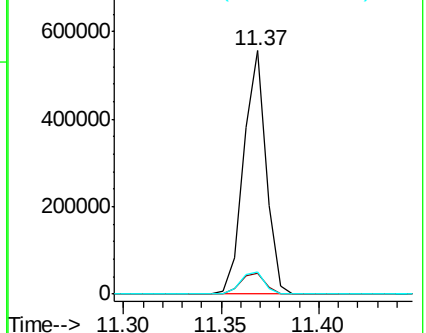
80 9.2 6.6 10.0

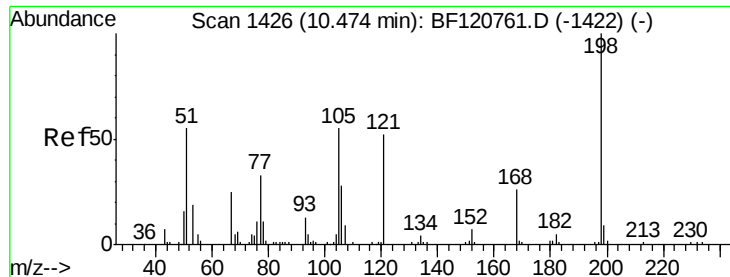


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

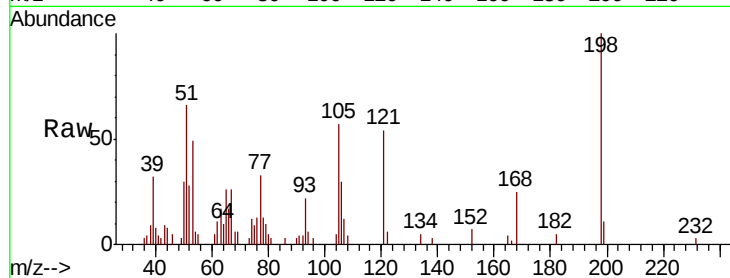




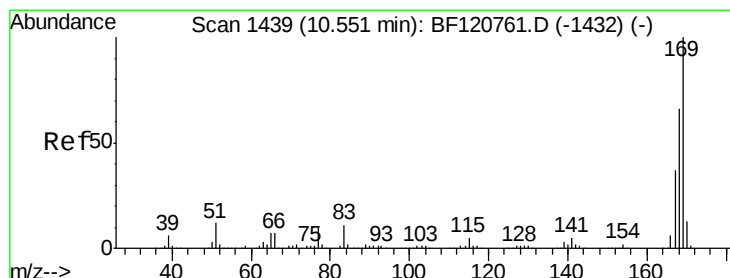
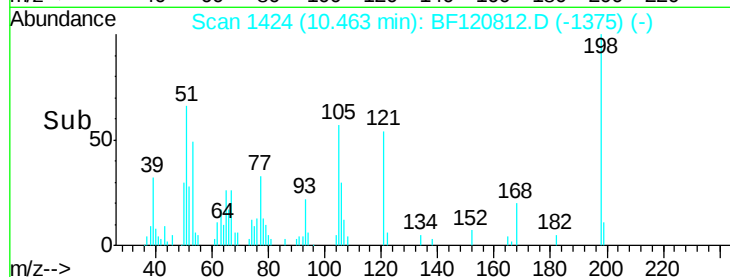
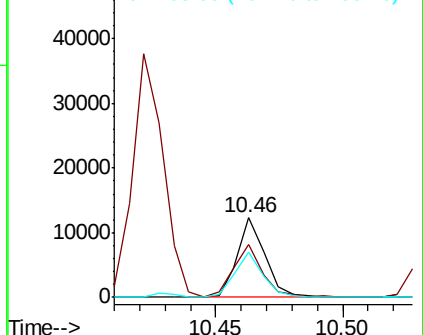
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.586 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

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

Tot Ion:198 Resp: 9367
 Ion Ratio Lower Upper
 198 100
 51 66.2 50.0 90.0
 105 57.0 38.3 78.3

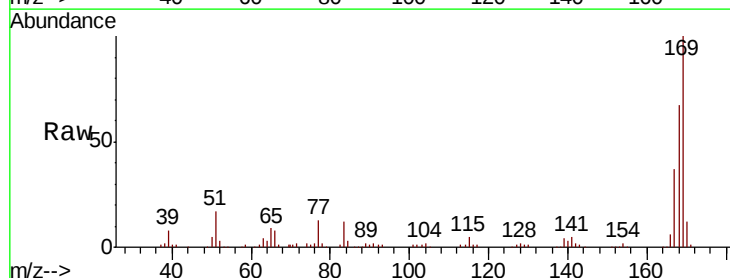


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

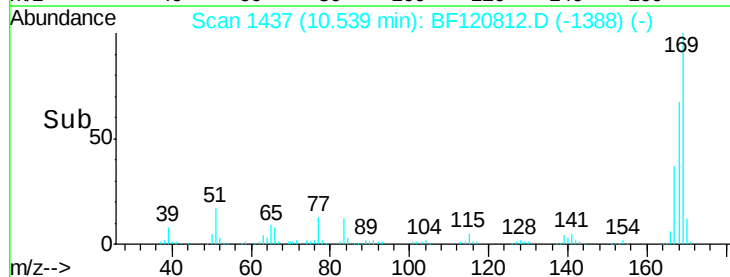
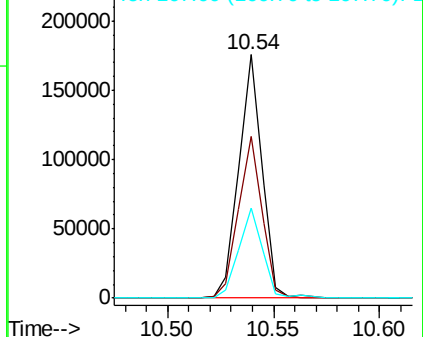


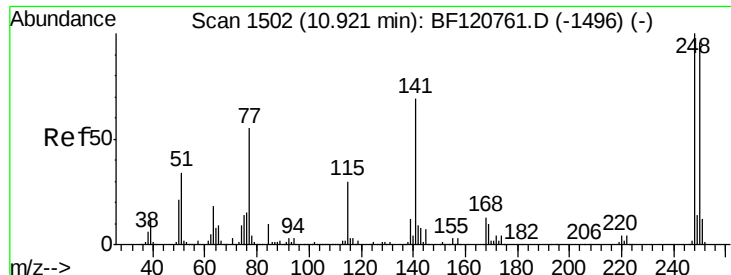
#66
 n-Nitrosodiphenylamine
 Concen: 8.925 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:169 Resp: 132406
 Ion Ratio Lower Upper
 169 100
 168 66.7 53.1 79.7
 167 37.0 29.6 44.4



Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

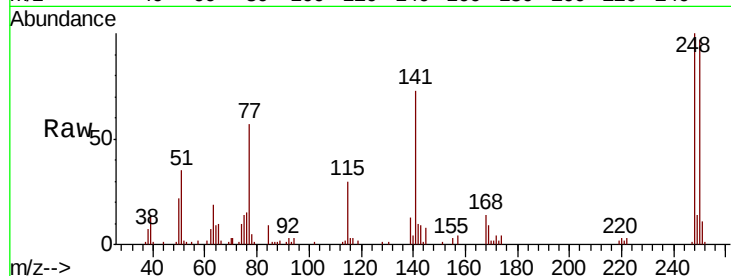




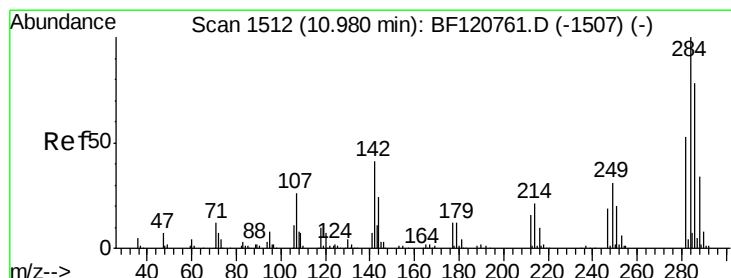
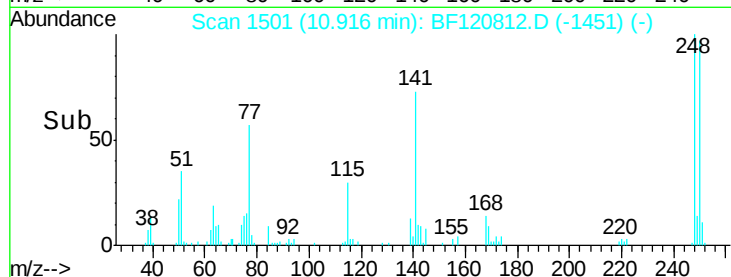
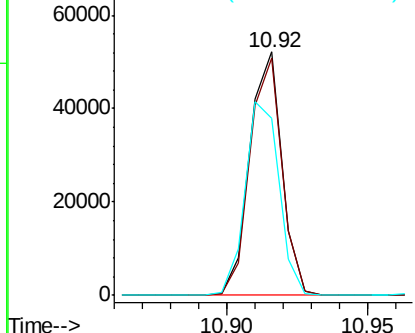
#67
4-Bromophenyl-phenylether
Concen: 8.062 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion:248 Resp: 41396
Ion Ratio Lower Upper
248 100
250 97.4 76.5 114.7
141 72.8 54.9 82.3

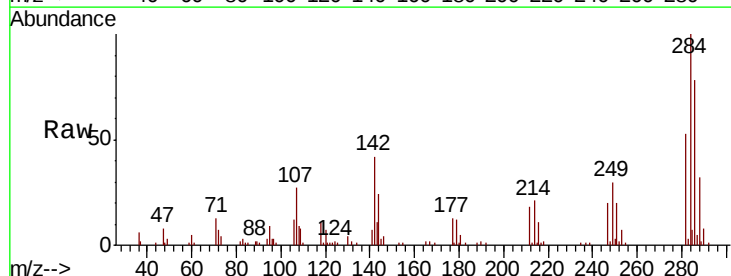


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

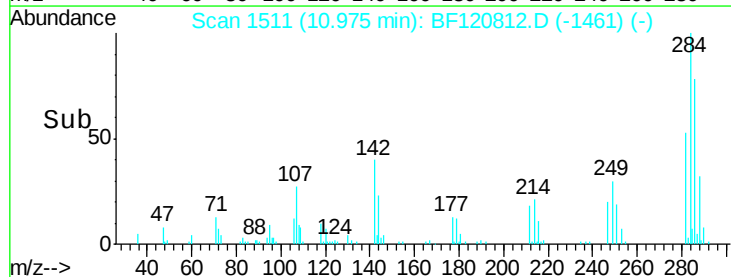
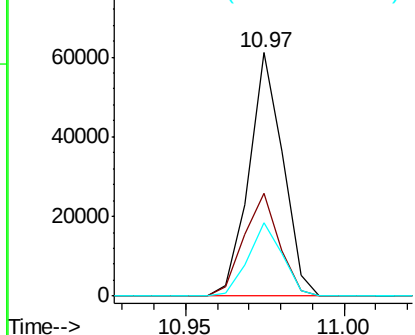


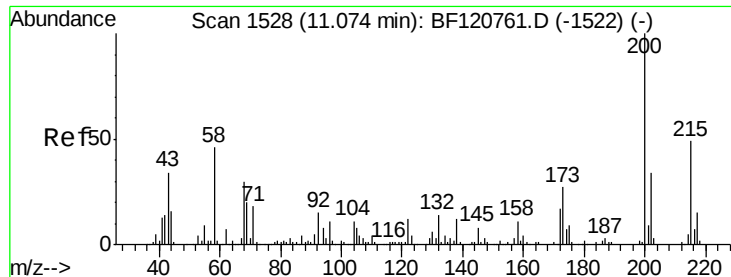
#68
Hexachlorobenzene
Concen: 8.409 ng
RT: 10.97 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:284 Resp: 45307
Ion Ratio Lower Upper
284 100
142 42.3 32.5 48.7
249 30.3 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

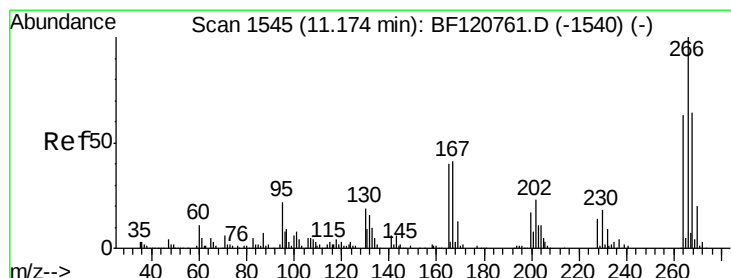
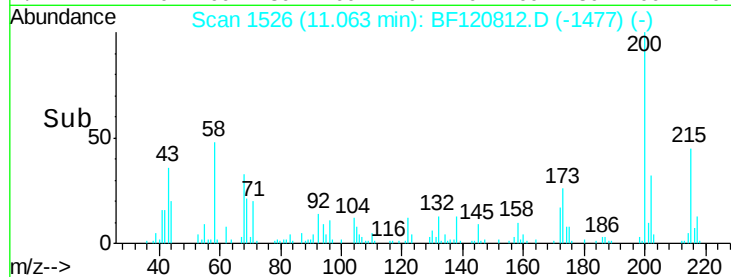
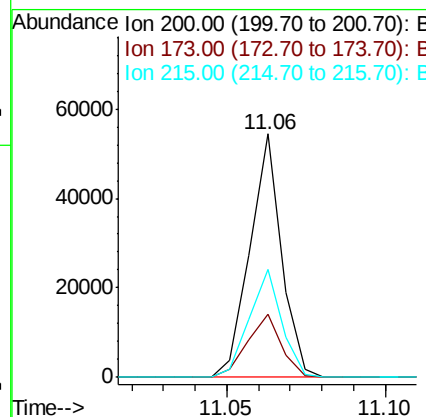
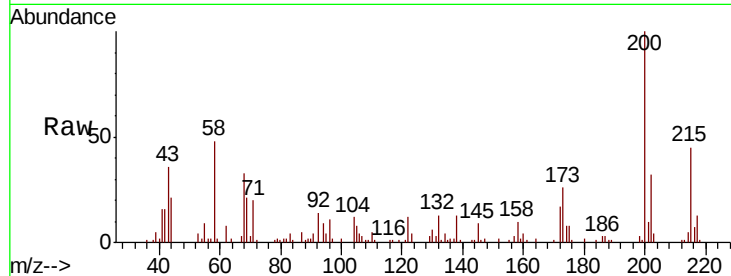




#69
Atrazine
Concen: 9.849 ng
RT: 11.06 min Scan# 1526
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

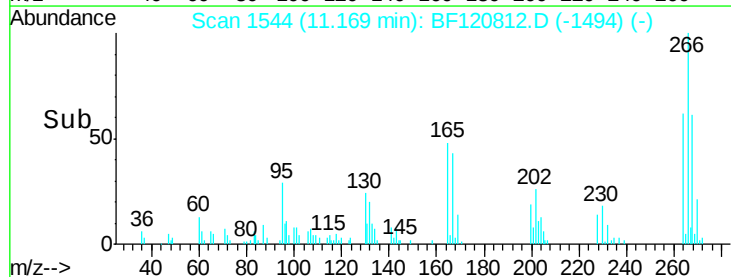
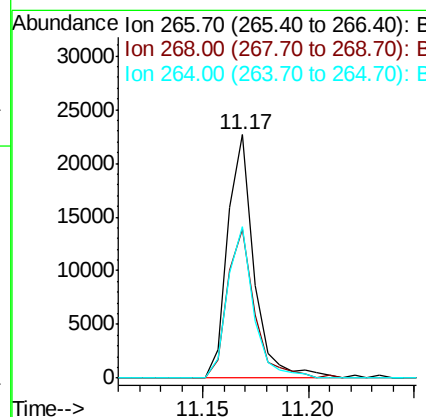
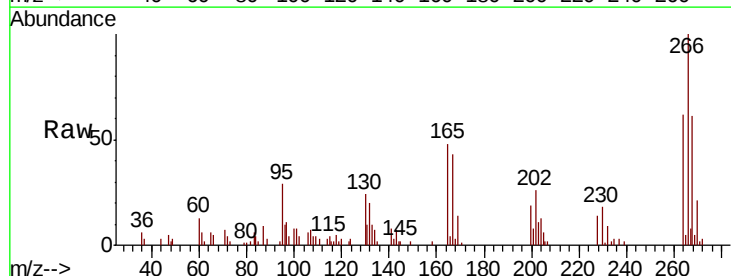
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

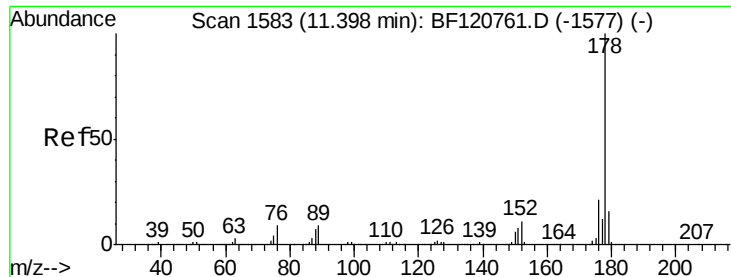
Tot Ion:200 Resp: 37645
Ion Ratio Lower Upper
200 100
173 26.1 7.4 47.4
215 44.6 28.8 68.8



#70
Pentachlorophenol
Concen: 6.432 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:266 Resp: 19606
Ion Ratio Lower Upper
266 100
268 61.1 51.4 77.2
264 62.1 50.6 75.8

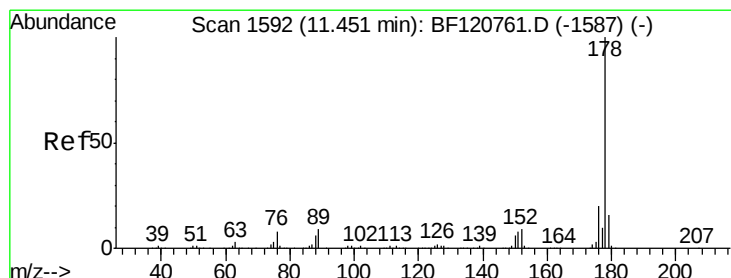
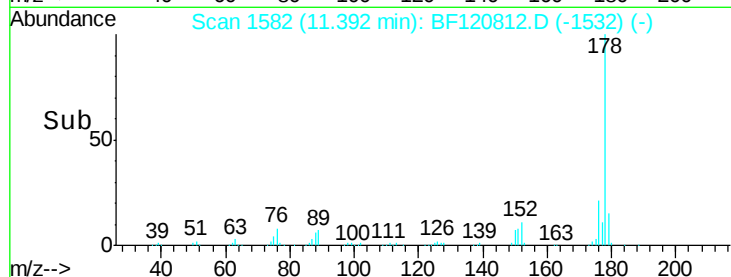
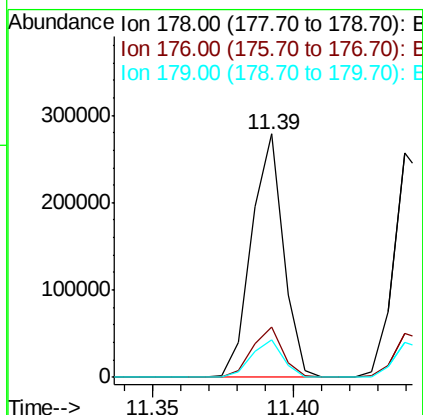
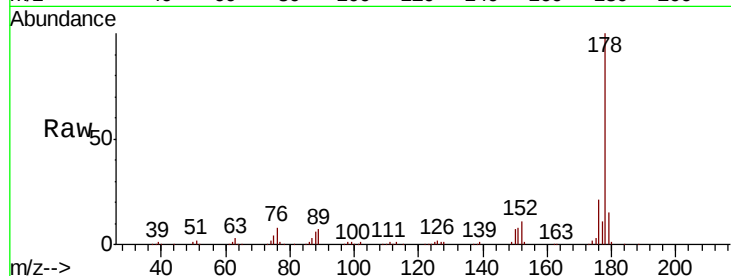




#71
Phenanthrene
Concen: 9.100 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

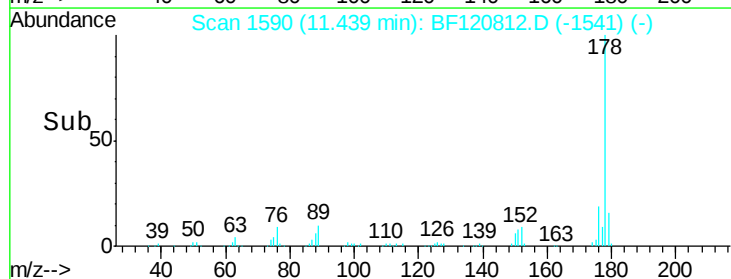
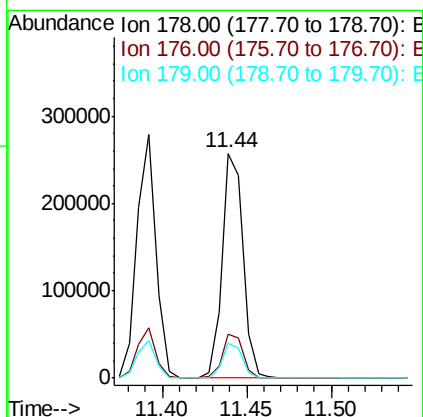
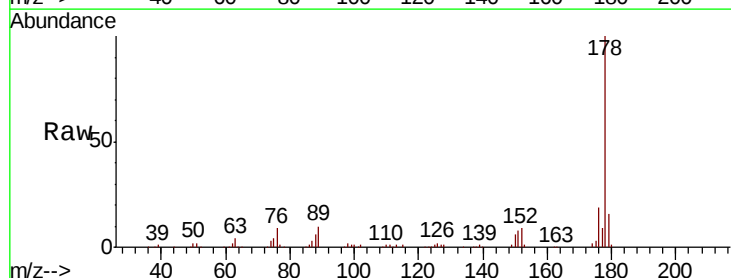
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:178 Resp: 218565
Ion Ratio Lower Upper
178 100
176 20.6 16.4 24.6
179 15.4 12.9 19.3



#72
Anthracene
Concen: 9.165 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:178 Resp: 222422
Ion Ratio Lower Upper
178 100
176 19.4 16.2 24.2
179 15.6 12.7 19.1

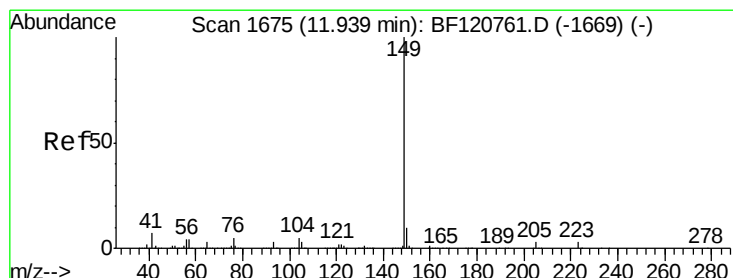
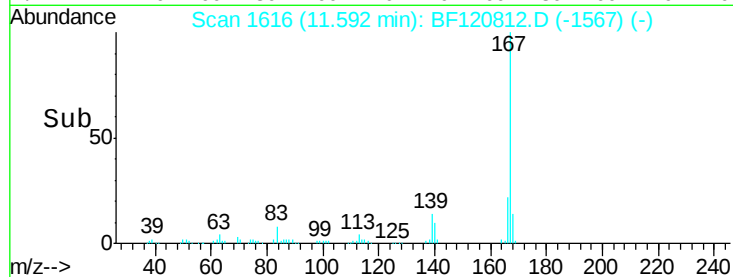
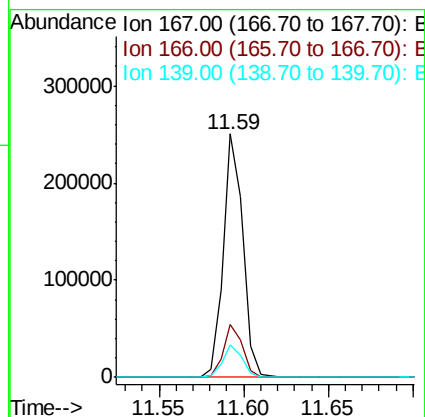
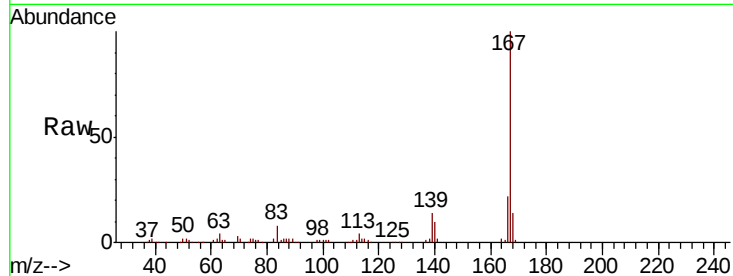




#73
 Carbazole
 Concen: 8.670 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

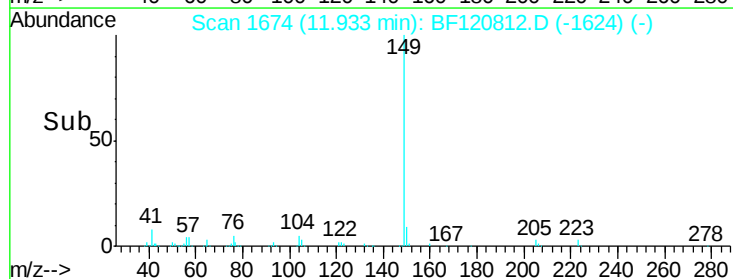
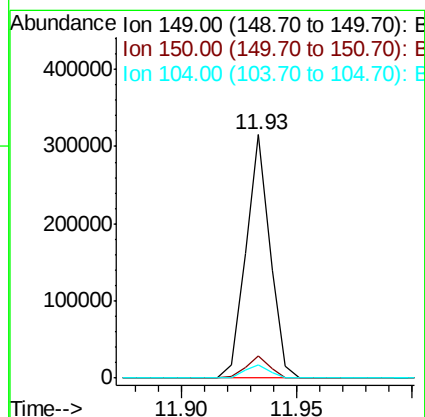
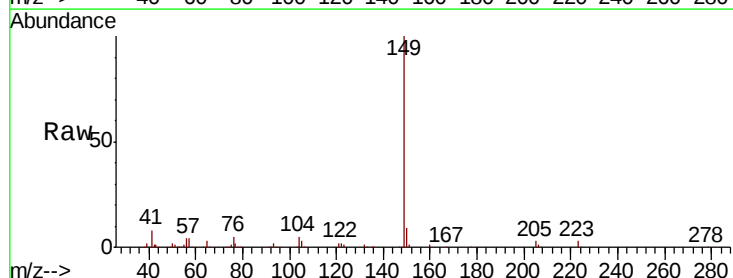
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

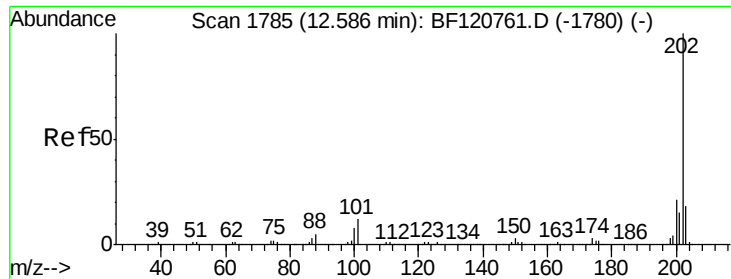
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.8
139	13.5	10.7	16.1



#74
 Di-n-butylphthalate
 Concen: 7.959 ng
 RT: 11.93 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.7	11.5
104	5.3	4.0	6.0

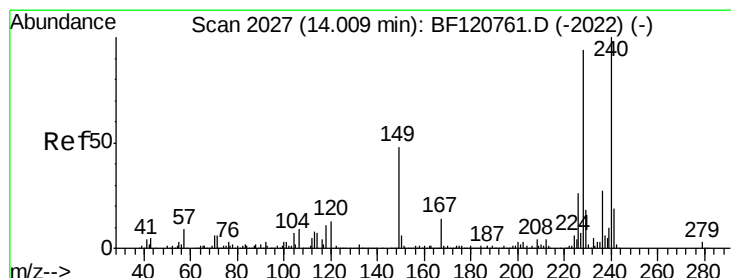
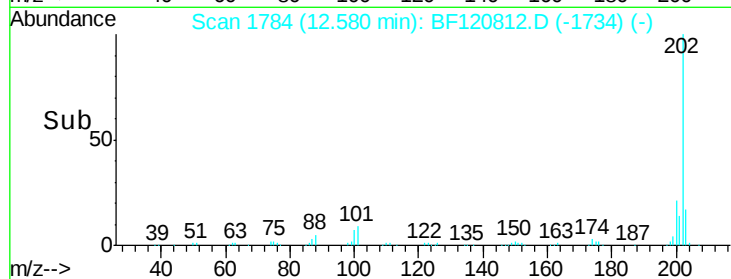
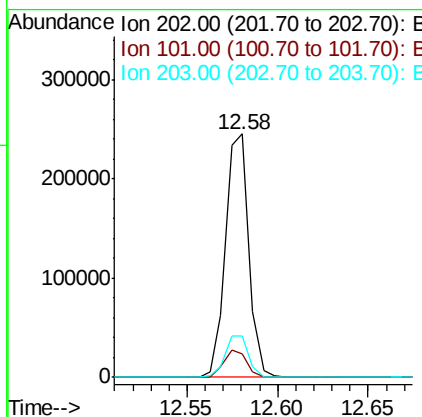
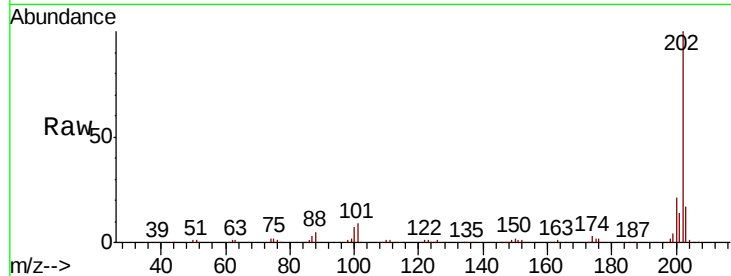




#75
 Fluoranthene
 Concen: 8.595 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

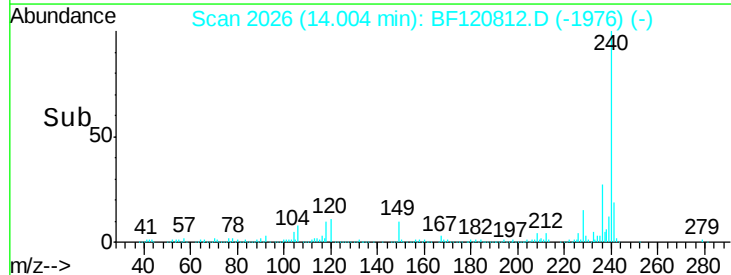
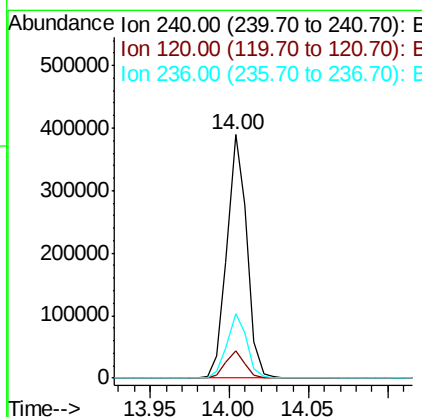
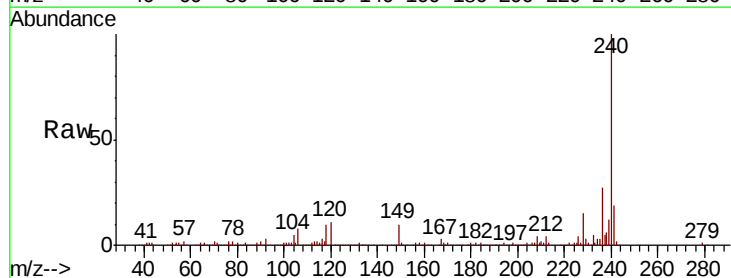
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

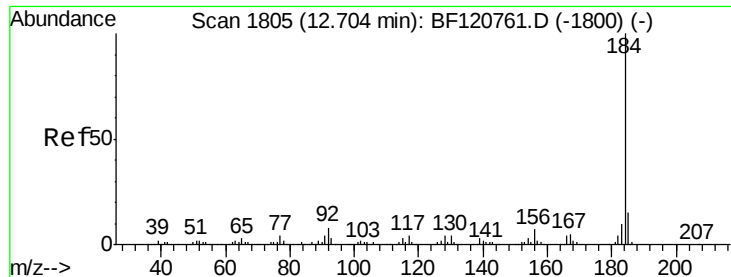
Tot Ion:	202	Resp:	219887
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	31.6
203	17.0	0.0	38.2



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion:	240	Resp:	339715
Ion Ratio	Lower	Upper	
240	100		
120	11.2	10.3	15.5
236	26.6	21.4	32.2





#77

Benzidine

Concen: 9.314 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

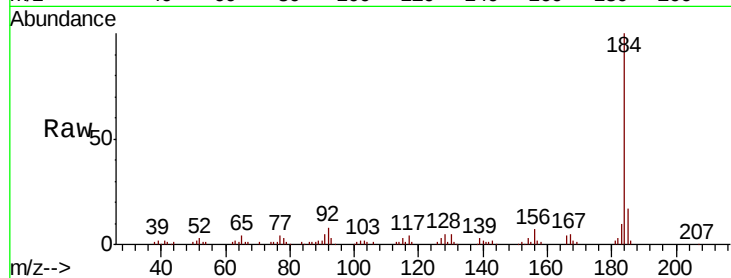
Tot Ion:184 Resp: 89314

Ion Ratio Lower Upper

184 100

185 17.4 11.8 17.8

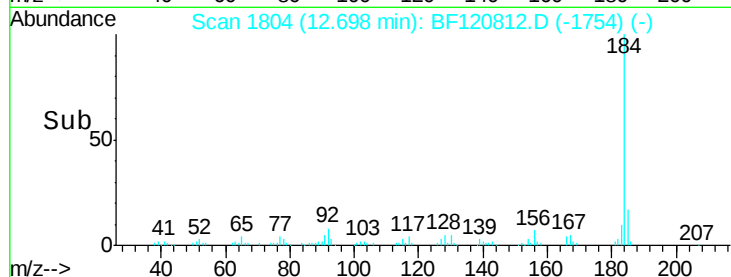
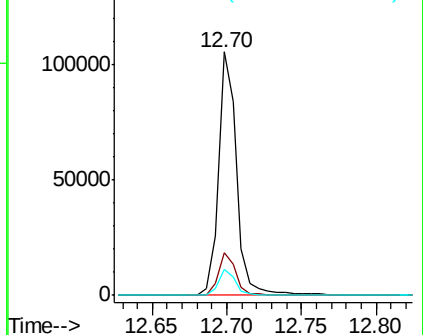
183 10.5 8.3 12.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 8.506 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

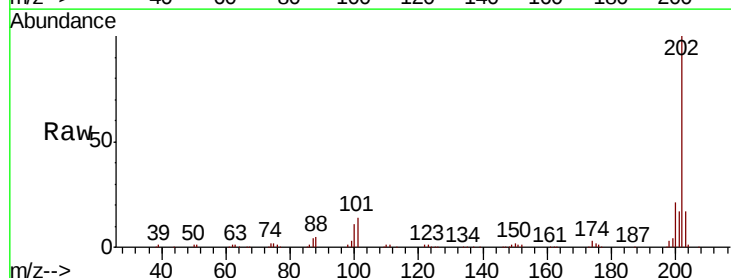
Tgt Ion:202 Resp: 230780

Ion Ratio Lower Upper

202 100

200 20.6 17.3 25.9

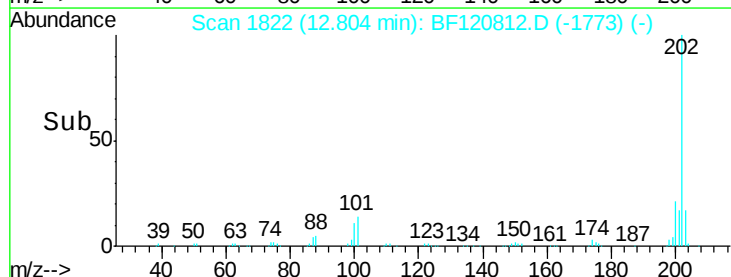
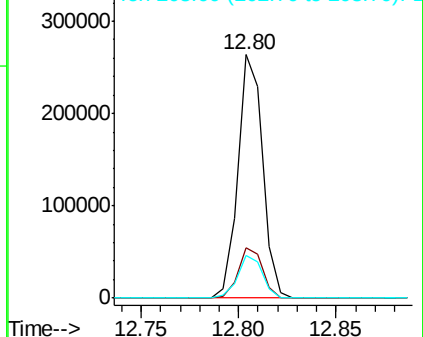
203 17.3 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 60.873 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

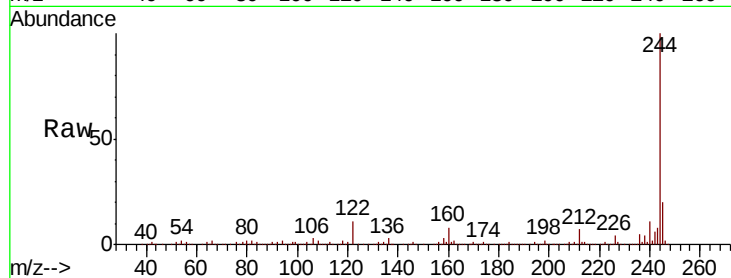
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion:244 Resp: 1056206

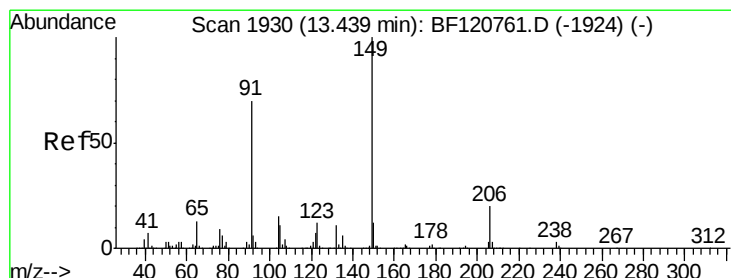
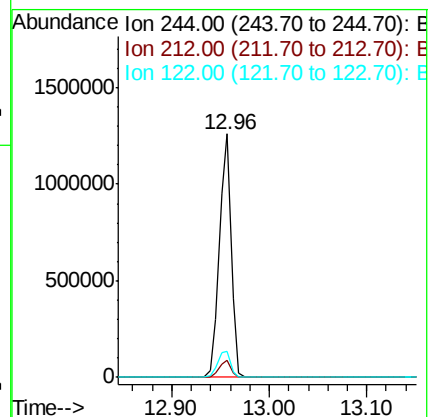
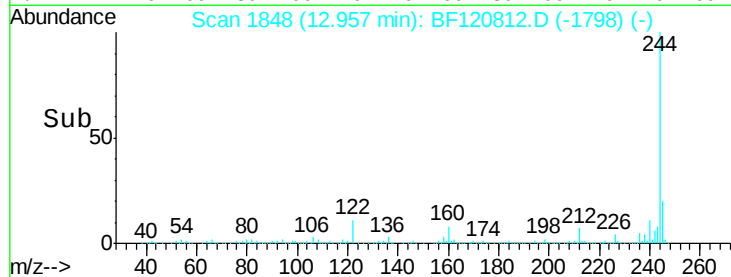
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.9	9.0	13.4



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: 6.850 ng

RT: 13.43 min Scan# 1929

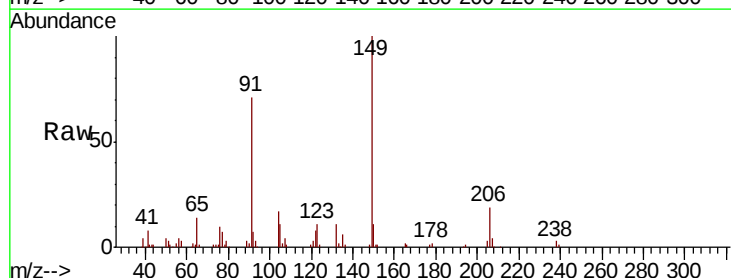
Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Tgt Ion:149 Resp: 80234

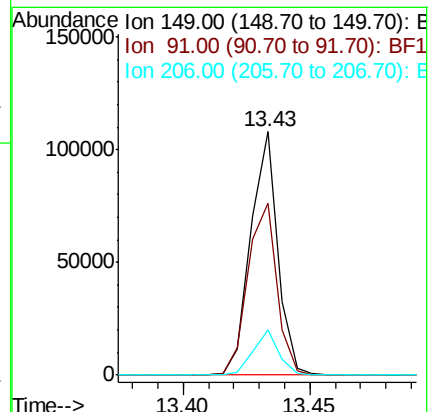
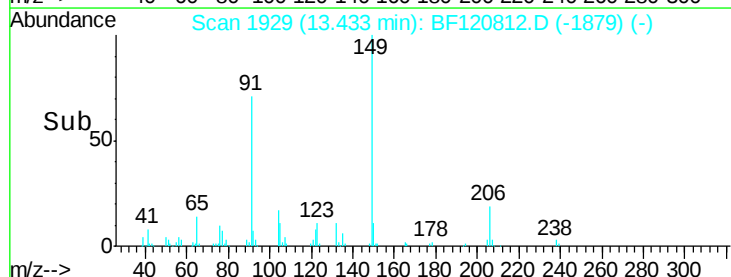
Ion	Ratio	Lower	Upper
149	100		
91	70.8	55.8	83.8
206	18.8	15.7	23.5

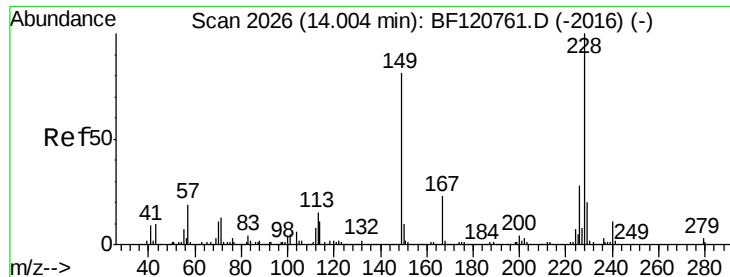


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

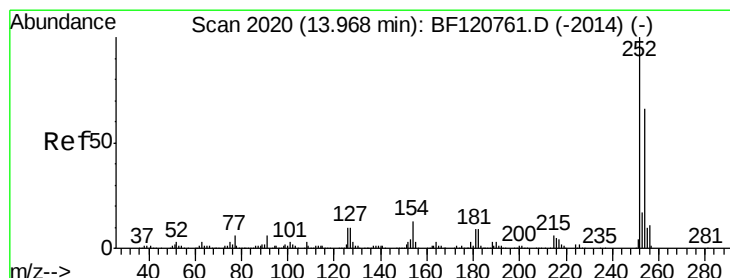
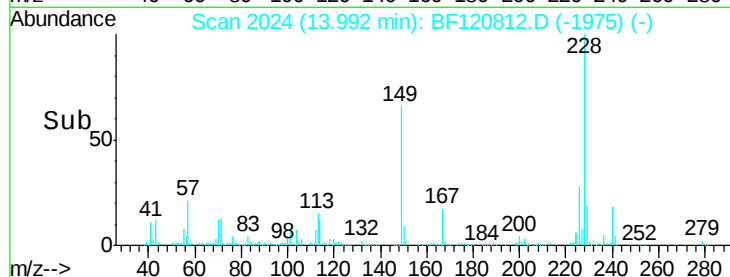
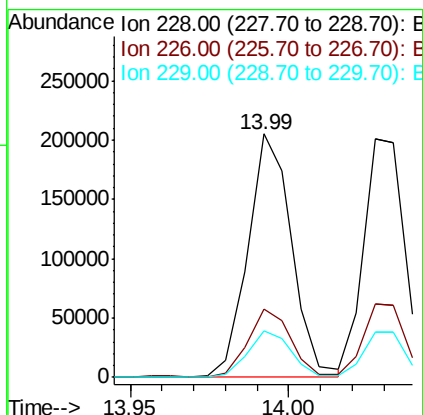
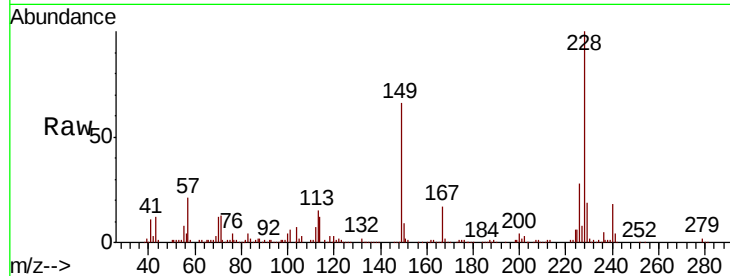




#81
Benzo(a)anthracene
Concen: 9.024 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

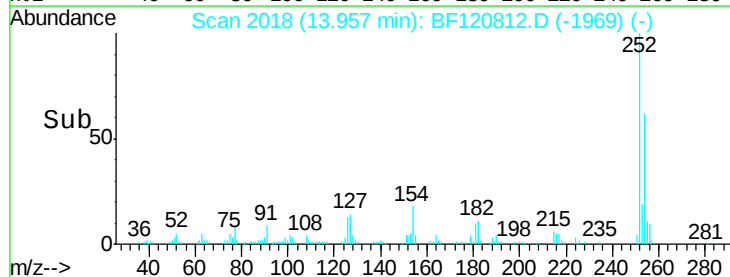
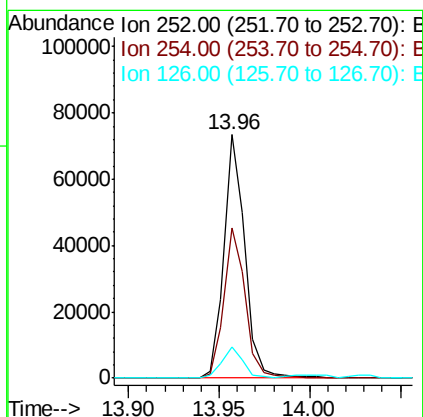
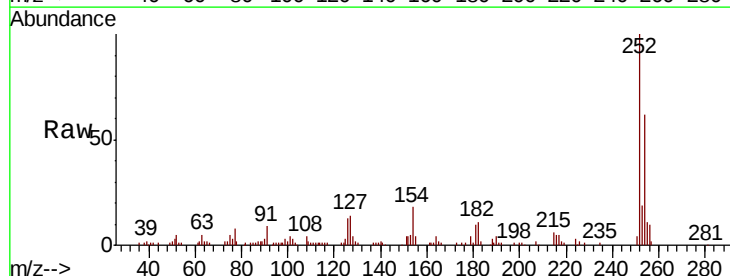
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

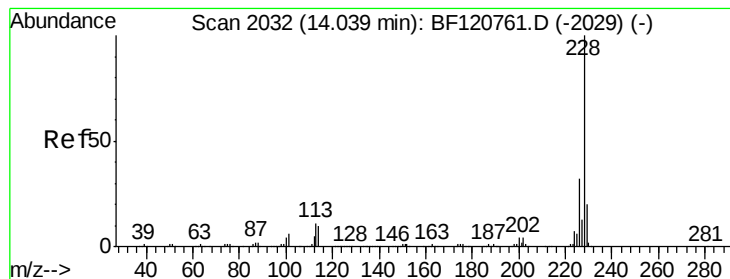
Tot Ion:228 Resp: 196500
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 19.3 15.8 23.6



#82
3,3'-Dichlorobenzidine
Concen: 8.021 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:252 Resp: 58941
Ion Ratio Lower Upper
252 100
254 61.8 52.6 78.8
126 13.0 7.8 11.8#





#83

Chrysene

Concen: 8.245 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2020

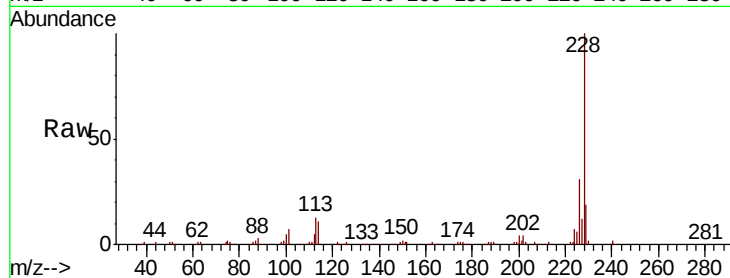
Tot Ion:228 Resp: 183143

Ion Ratio Lower Upper

228 100

226 30.9 25.7 38.5

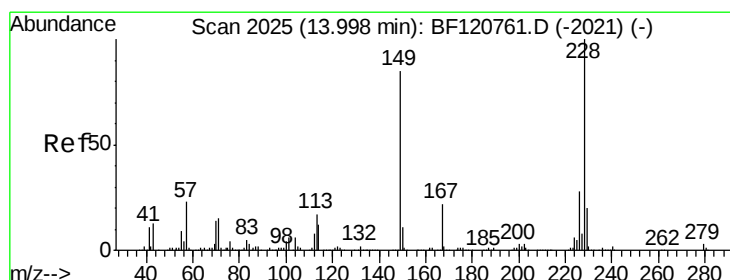
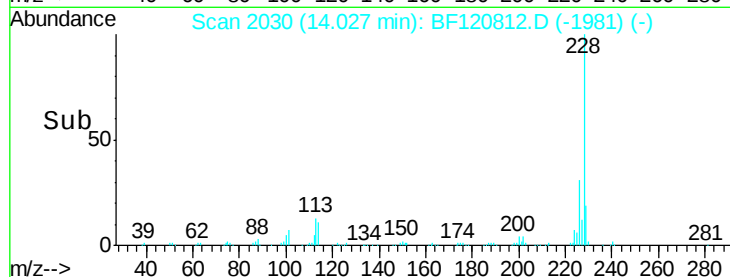
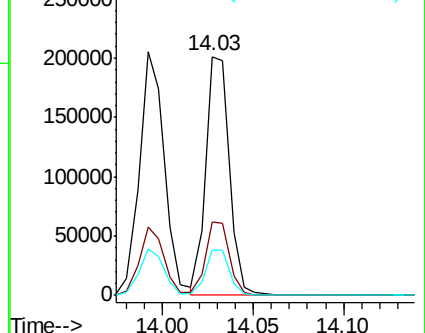
229 19.2 16.3 24.5



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: 8.059 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF120812.D

Acq: 9 Jul 2020 12:04

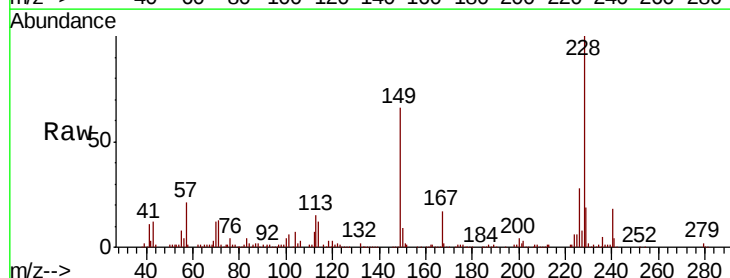
Tgt Ion:149 Resp: 123792

Ion Ratio Lower Upper

149 100

167 25.5 20.9 31.3

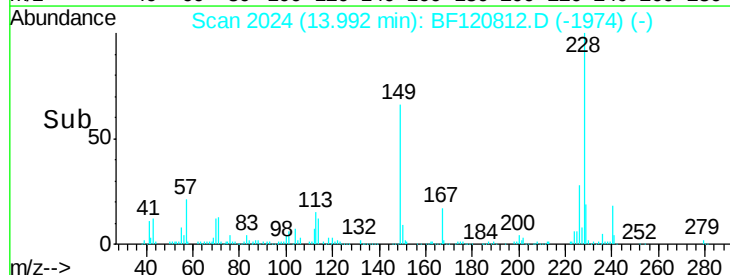
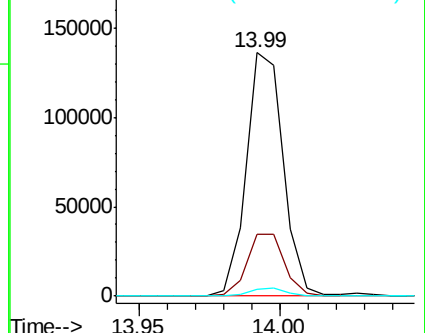
279 2.6 2.6 4.0#



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

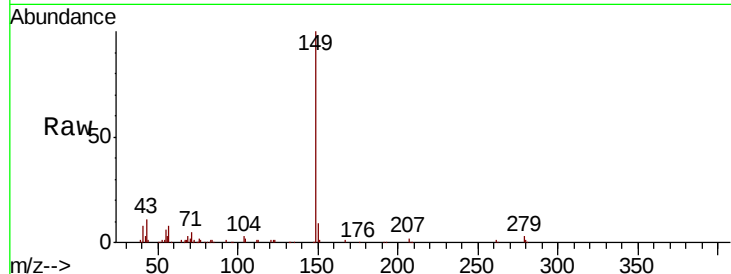




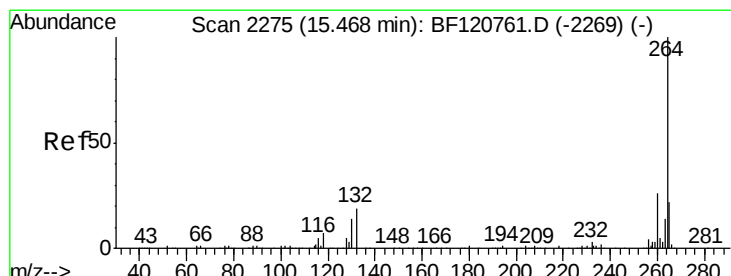
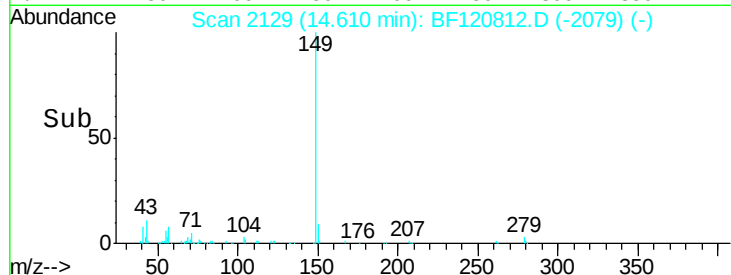
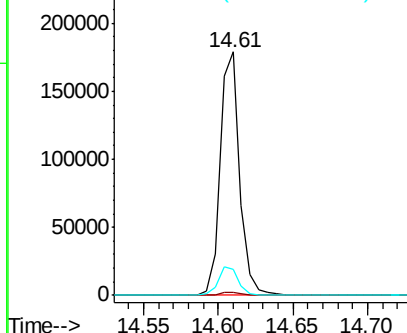
#85
Di-n-octyl phthalate
Concen: 6.043 ng
RT: 14.61 min Scan# 2129
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	12.1	8.7	13.1

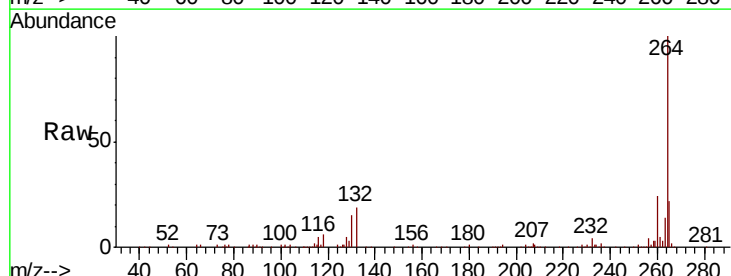


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

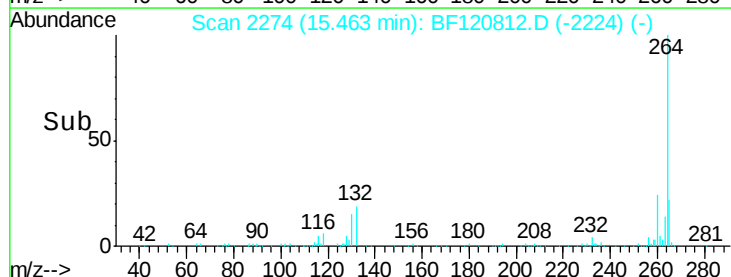
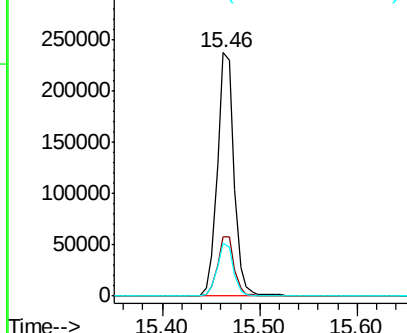


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.6	30.8
265	21.7	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

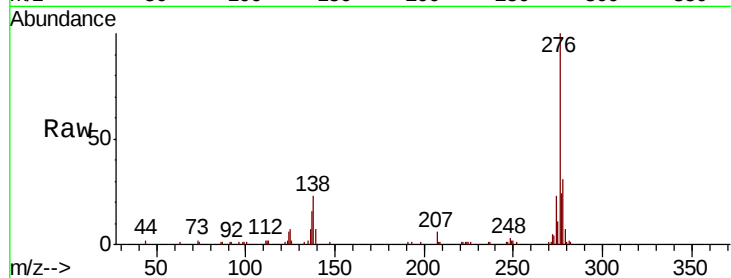




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.767 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.02 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	19.8	29.8
277	25.0	19.9	29.9

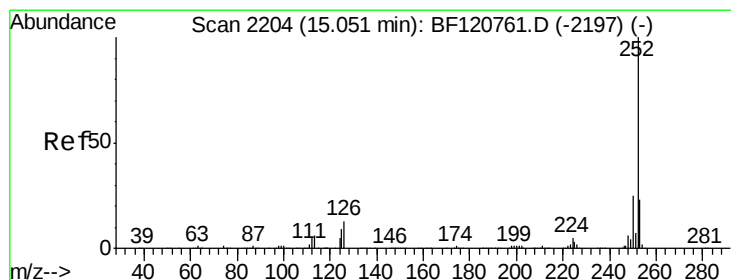
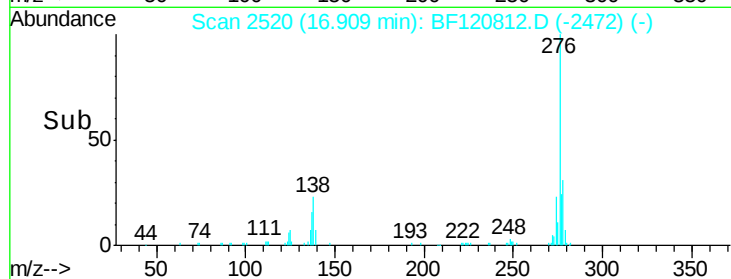
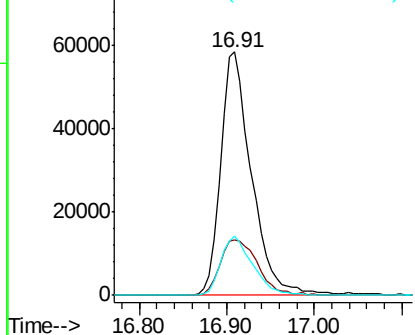


Abundance

Ion 276.00 (275.70 to 276.70): E

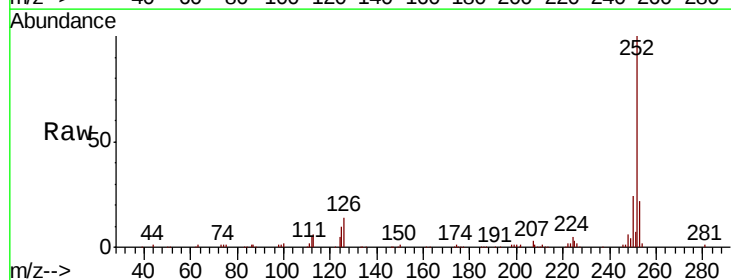
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 7.914 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BF120812.D
 Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	10.3	7.5	11.3

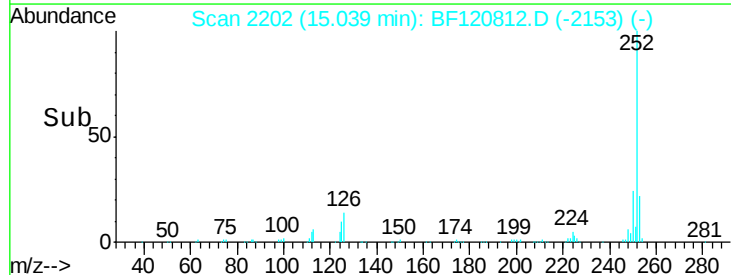
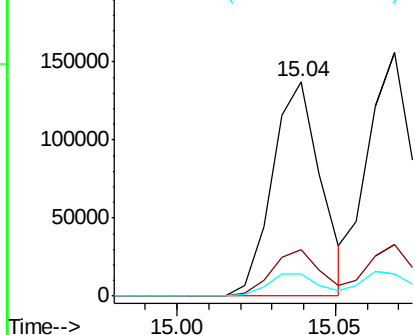


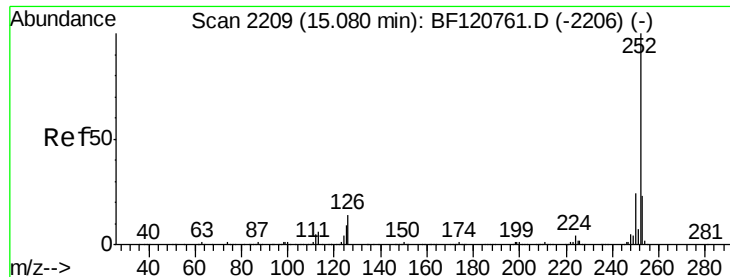
Abundance

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

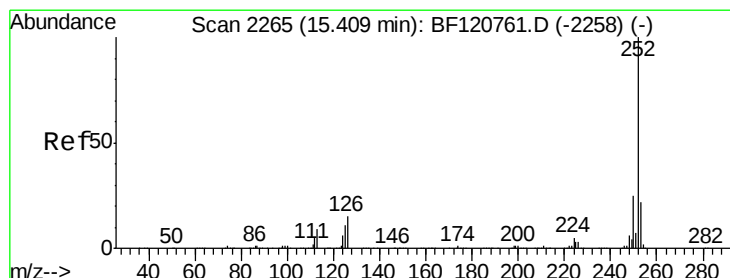
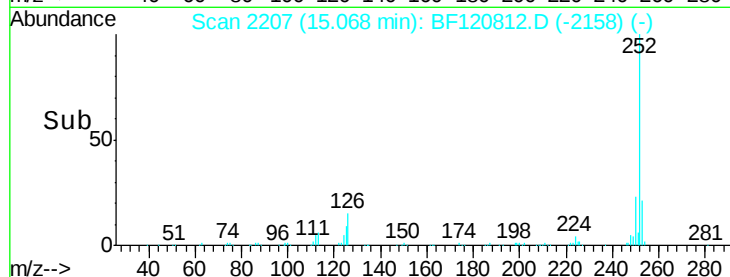
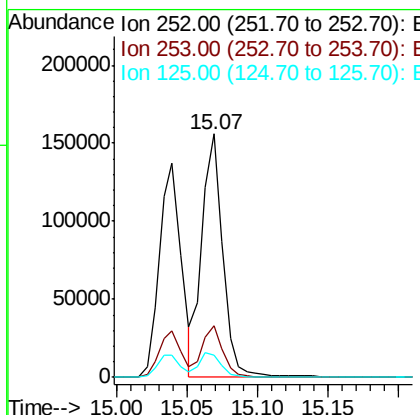
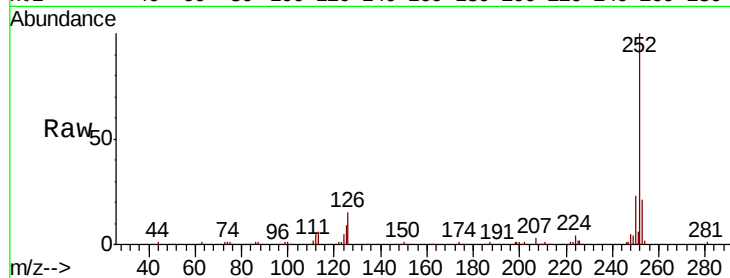




#89
Benzo(k)fluoranthene
Concen: 8.895 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

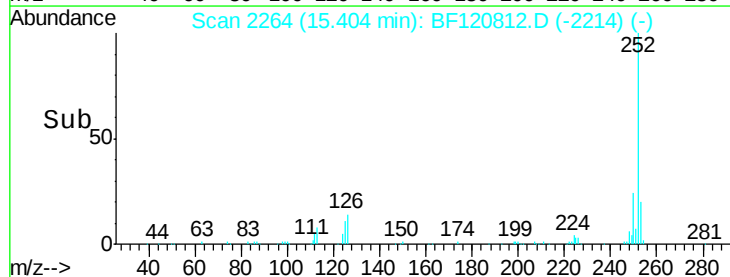
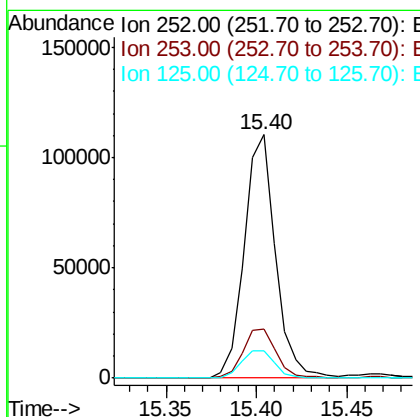
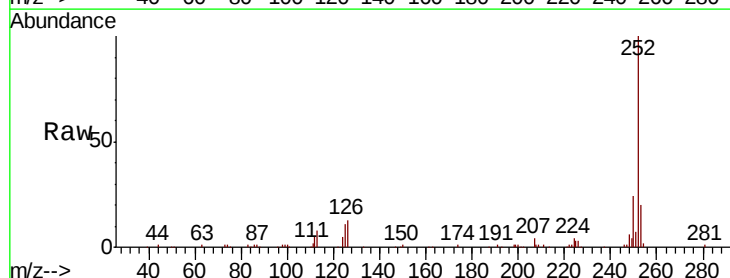
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2020

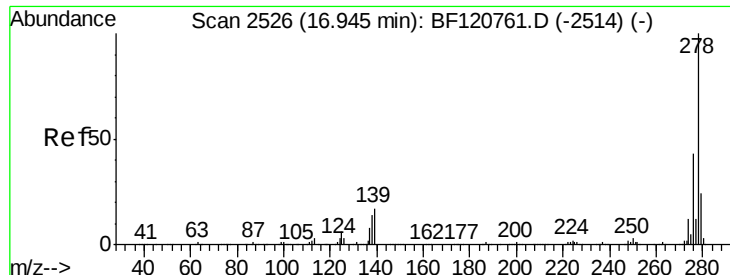
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.9	26.9
125	9.3	7.6	11.4



#90
Benzo(a)pyrene
Concen: 7.983 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.2	17.4	26.0
125	11.3	9.2	13.8

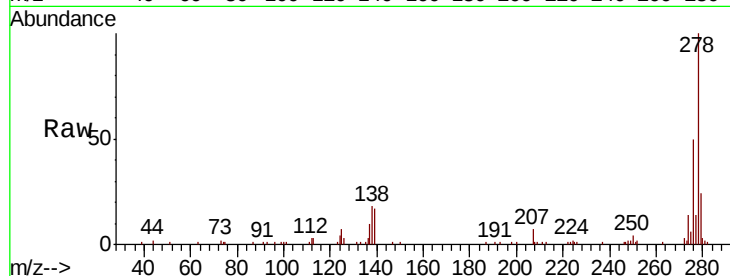




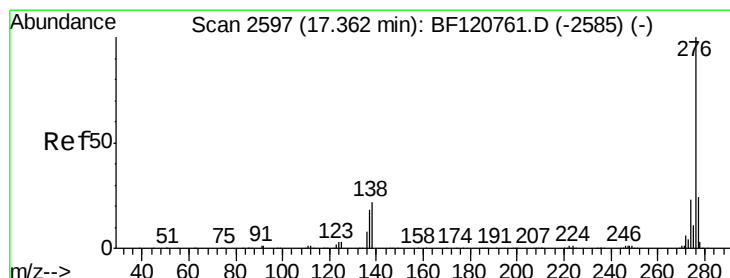
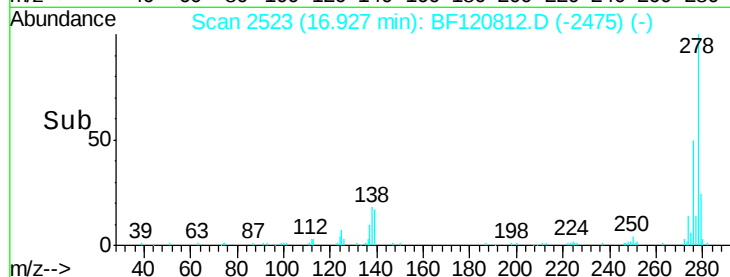
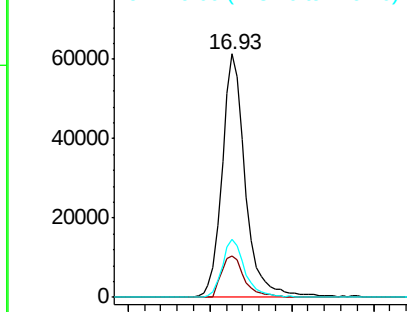
#91
Dibenzo(a,h)anthracene
Concen: 8.067 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

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

Tot Ion:278 Resp: 121667
Ion Ratio Lower Upper
278 100
139 17.1 13.3 19.9
279 23.6 19.0 28.6

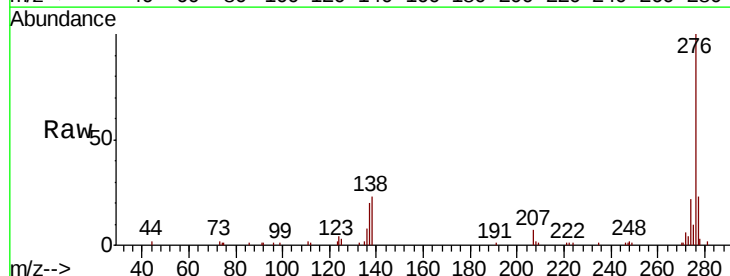


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.331 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF120812.D
Acq: 9 Jul 2020 12:04

Tgt Ion:276 Resp: 114830
Ion Ratio Lower Upper
276 100
277 23.1 18.8 28.2
138 23.0 17.4 26.2



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

