

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
 Data File : BF120615.D
 Acq On : 12 Jun 2020 17:22
 Operator : JU/CG
 Sample : L2182-02
 Misc : L00-SOIL-10PPM
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Quant Time: Jun 12 17:54:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 16:54:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	146657	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	536613	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	282526	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	533677	20.00	ng	0.00
76) Chrysene-d12	13.95	240	436207	20.00	ng	-0.01
86) Perylene-d12	15.39	264	493139	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1218467	142.44	ng	0.00
7) Phenol-d6	6.43	99	1555875	146.03	ng	0.00
23) Nitrobenzene-d5	7.36	82	951410	99.10	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	468520	142.63	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1709522	92.58	ng	0.00
79) Terphenyl-d14	12.90	244	1985417	100.54	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.47	88	40005	9.867	ng	96
3) Pyridine	3.26	79	81752	7.173	ng	98
4) n-Nitrosodimethylamine	3.15	42	42613	9.009	ng	100
6) Aniline	6.46	93	142508	10.452	ng	100
8) 2-Chlorophenol	6.58	128	92774	9.598	ng	95
9) Benzaldehyde	6.35	77	80846	11.997	ng	96
10) Phenol	6.45	94	121099	10.653	ng	92
11) bis(2-Chloroethyl)ether	6.53	93	91073	9.619	ng	96
12) 1,3-Dichlorobenzene	6.74	146	100184	9.749	ng	99
13) 1,4-Dichlorobenzene	6.82	146	103200	10.178	ng	98
14) 1,2-Dichlorobenzene	6.97	146	95443	9.663	ng	99
15) Benzyl Alcohol	6.93	79	85170	11.272	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.07	45	136006	9.976	ng	98
17) 2-Methylphenol	7.05	107	76486	9.277	ng	99
18) Hexachloroethane	7.31	117	36633	9.805	ng	95
19) n-Nitroso-di-n-propylamine	7.20	70	65818	10.650	ng	97
20) 3+4-Methylphenols	7.20	107	96454	9.362	ng	# 71
22) Acetophenone	7.20	105	137807	11.487	ng	96
24) Nitrobenzene	7.37	77	99074	9.862	ng	92
25) Isophorone	7.61	82	177163	9.474	ng	95
26) 2-Nitrophenol	7.69	139	45981	8.652	ng	97
27) 2,4-Dimethylphenol	7.73	122	66433	8.489	ng	99
28) bis(2-Chloroethoxy)methane	7.83	93	112043	10.336	ng	99
29) 2,4-Dichlorophenol	7.93	162	75615	9.506	ng	97
30) 1,2,4-Trichlorobenzene	8.02	180	86739	9.840	ng	100
31) Naphthalene	8.10	128	284247	10.788	ng	100
32) Benzoic acid	7.80	122	29192	4.862	ng	96
33) 4-Chloroaniline	8.15	127	115336	9.536	ng	97
34) Hexachlorobutadiene	8.22	225	51562	10.034	ng	98
35) Caprolactam	8.48	113	24463	9.616	ng	# 76
36) 4-Chloro-3-methylphenol	8.63	107	76475	9.623	ng	99
37) 2-Methylnaphthalene	8.79	142	184598	10.732	ng	98
38) 1-Methylnaphthalene	8.89	142	174503	10.781	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.96	216	88801	10.526	ng	99

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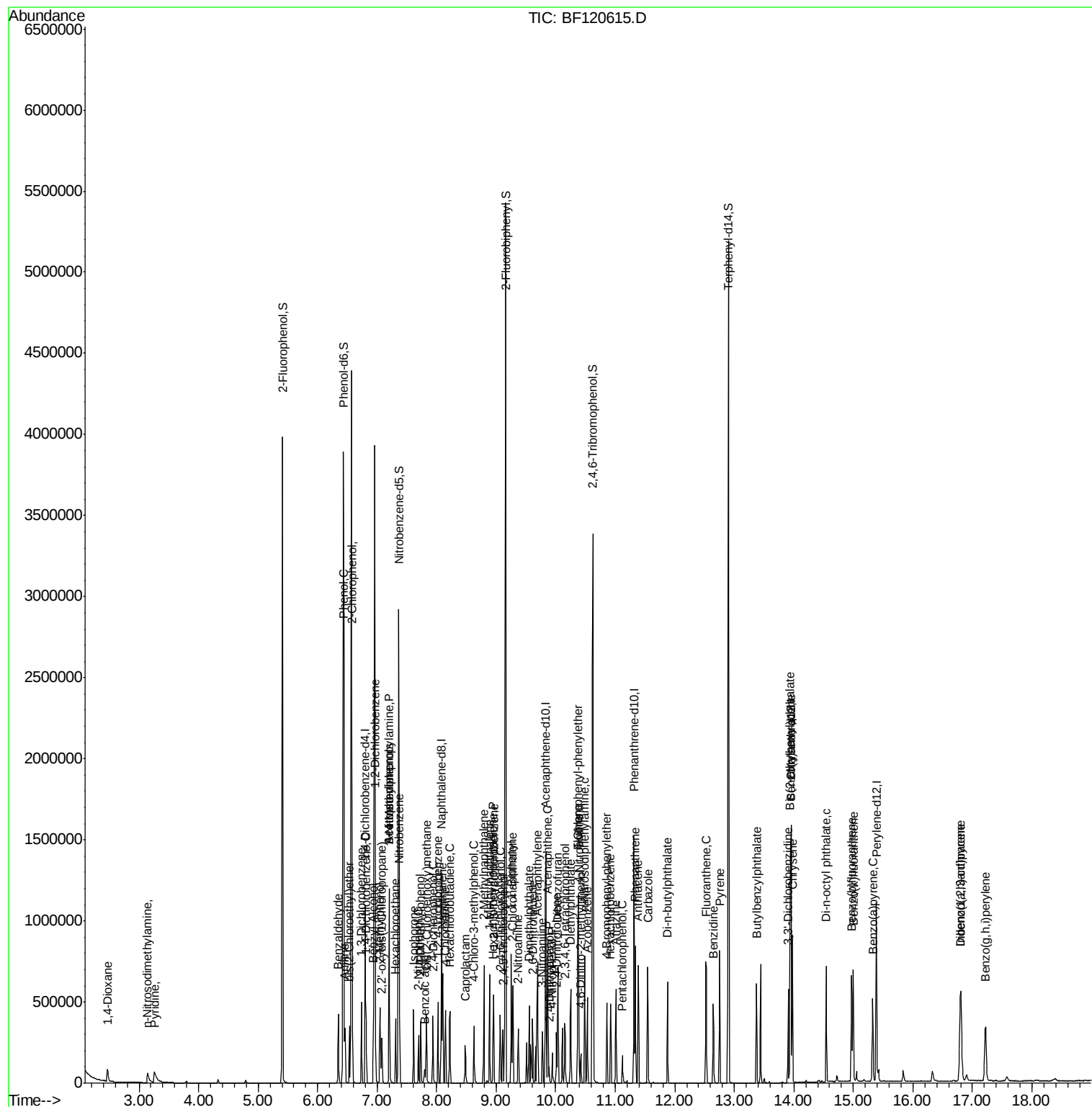
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	33818	7.154	ng	99
43) 2,4,6-Trichlorophenol	9.07	196	52857	8.833	ng	97
44) 2,4,5-Trichlorophenol	9.11	196	57516	8.472	ng	97
46) 1,1'-Biphenyl	9.25	154	236388	11.205	ng	97
47) 2-Chloronaphthalene	9.28	162	174306	10.104	ng	98
48) 2-Nitroaniline	9.37	65	47718	8.807	ng	93
49) Acenaphthylene	9.69	152	284991	10.704	ng	98
50) Dimethylphthalate	9.55	163	196017	9.633	ng	98
51) 2,6-Dinitrotoluene	9.61	165	41520	9.004	ng	93
52) Acenaphthene	9.86	154	174513	10.990	ng	99
53) 3-Nitroaniline	9.78	138	47494	8.575	ng	96
54) 2,4-Dinitrophenol	9.89	184	12635	5.111	ng	# 89
55) Dibenzofuran	10.03	168	258286	10.608	ng	99
56) 4-Nitrophenol	9.94	139	31961	7.662	ng	92
57) 2,4-Dinitrotoluene	10.02	165	54989	8.987	ng	99
58) Fluorene	10.37	166	196156	10.451	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.15	232	45821	8.579	ng	95
60) Diethylphthalate	10.25	149	196953	9.828	ng	99
61) 4-Chlorophenyl-phenylether	10.37	204	98920	10.206	ng	97
62) 4-Nitroaniline	10.39	138	47168	8.578	ng	97
63) Azobenzene	10.53	77	190609	10.478	ng	99
65) 4,6-Dinitro-2-methylphenol	10.42	198	22139	6.914	ng	97
66) n-Nitrosodiphenylamine	10.49	169	172463	10.523	ng	99
67) 4-Bromophenyl-phenylether	10.86	248	58948	9.733	ng	97
68) Hexachlorobenzene	10.93	284	67881	10.424	ng	94
69) Atrazine	11.01	200	54571	10.760	ng	100
70) Pentachlorophenol	11.12	266	24168	6.675	ng	99
71) Phenanthrene	11.34	178	286568	10.802	ng	99
72) Anthracene	11.39	178	289490	10.826	ng	98
73) Carbazole	11.55	167	270235	10.209	ng	99
74) Di-n-butylphthalate	11.87	149	317584	10.672	ng	99
75) Fluoranthene	12.52	202	312879	10.315	ng	99
77) Benzidine	12.65	184	167435	11.350	ng	# 94
78) Pyrene	12.75	202	322090	10.423	ng	98
80) Butylbenzylphthalate	13.37	149	126264	9.202	ng	97
81) Benzo(a)anthracene	13.94	228	291829	11.136	ng	99
82) 3,3'-Dichlorobenzidine	13.90	252	116256	11.614	ng	99
83) Chrysene	13.97	228	290259	10.798	ng	98
84) Bis(2-ethylhexyl)phthalate	13.93	149	186311	11.126	ng	99
85) Di-n-octyl phthalate	14.55	149	317349	9.930	ng	99
87) Indeno(1,2,3-cd)pyrene	16.80	276	333879	11.131	ng	99
88) Benzo(b)fluoranthene	14.97	252	295090	10.046	ng	100
89) Benzo(k)fluoranthene	15.00	252	265233	10.204	ng	99
90) Benzo(a)pyrene	15.32	252	252688	9.612	ng	98
91) Dibenzo(a,h)anthracene	16.81	278	283812	11.799	ng	98
92) Benzo(g,h,i)perylene	17.22	276	279690	11.536	ng	98

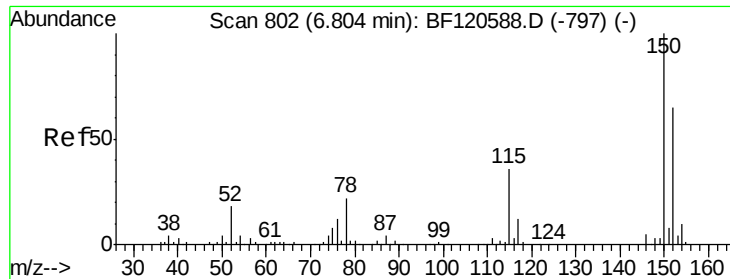
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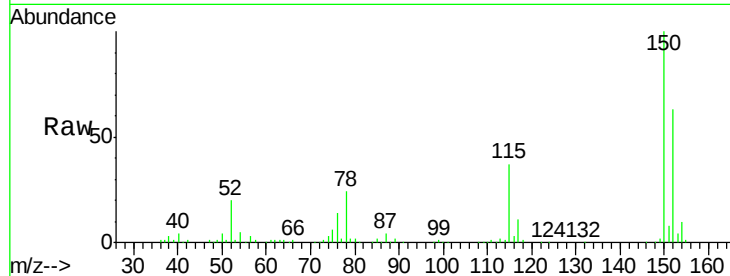


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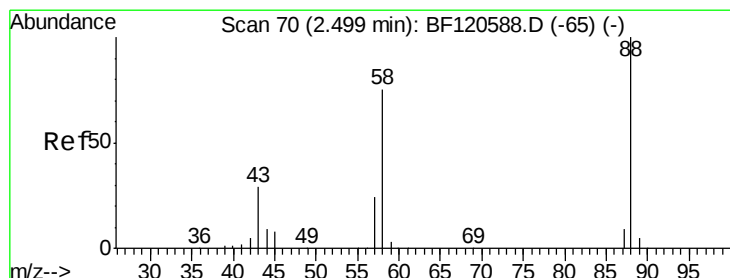
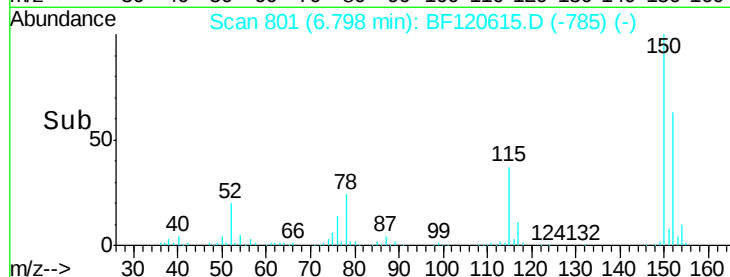
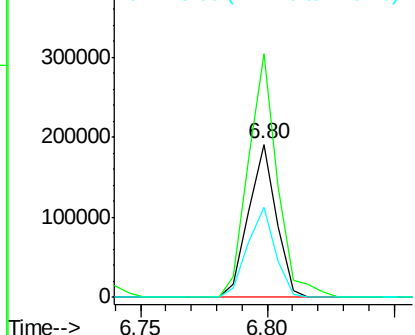
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	123.2	184.8
115	59.0	43.9	65.9



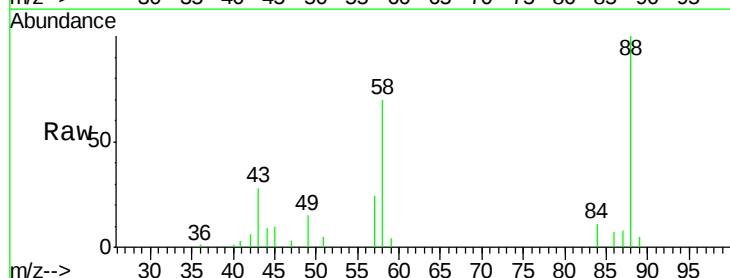
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



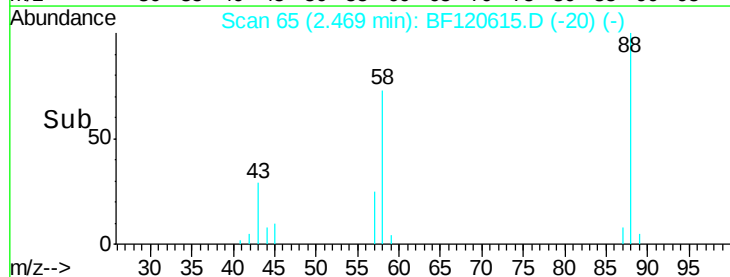
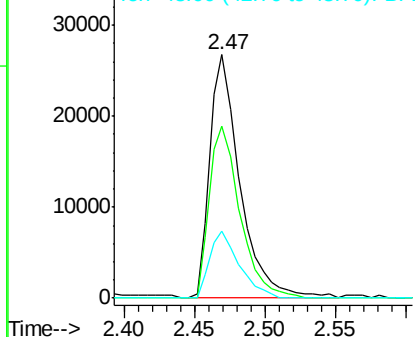
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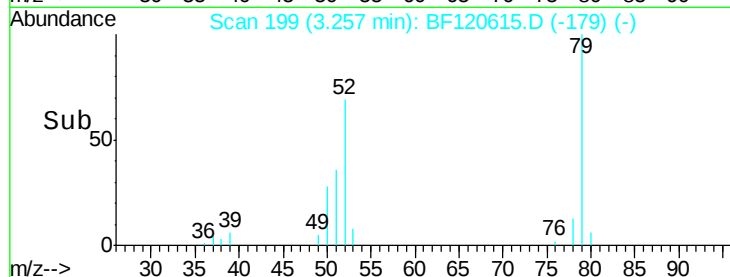
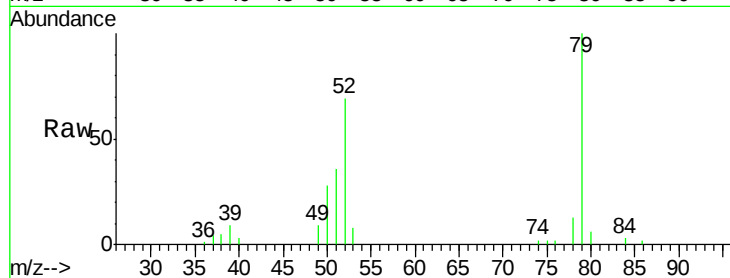
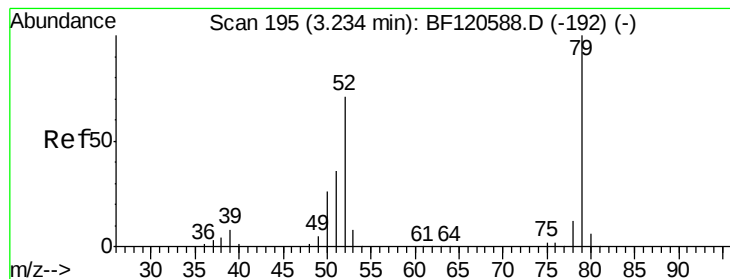
1,4-Dioxane
Concen: 9.867 ng
RT: 2.47 min Scan# 65
Delta R.T. -0.04 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	71.0	59.6	89.4
43	26.8	23.1	34.7



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: 7.173 ng

RT: 3.26 min Scan# 199

Delta R.T. 0.02 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

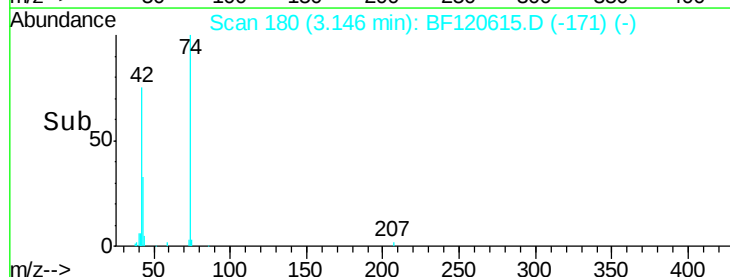
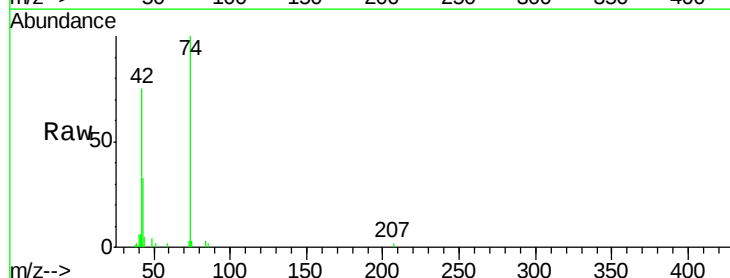
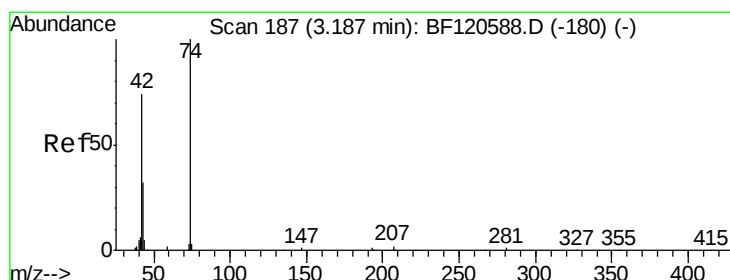
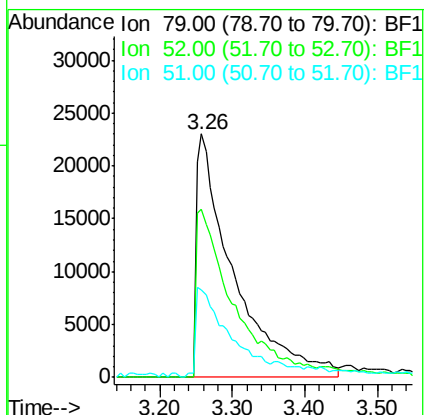
Tot Ion: 79 Resp: 81752

Ion Ratio Lower Upper

79 100

52 69.0 57.0 85.6

51 35.7 28.5 42.7



#4

n-Nitrosodimethylamine

Concen: 9.009 ng

RT: 3.15 min Scan# 180

Delta R.T. -0.05 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

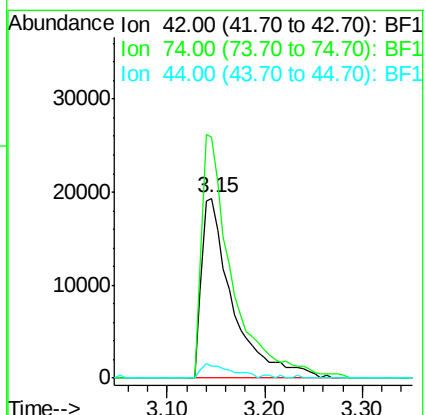
Tgt Ion: 42 Resp: 42613

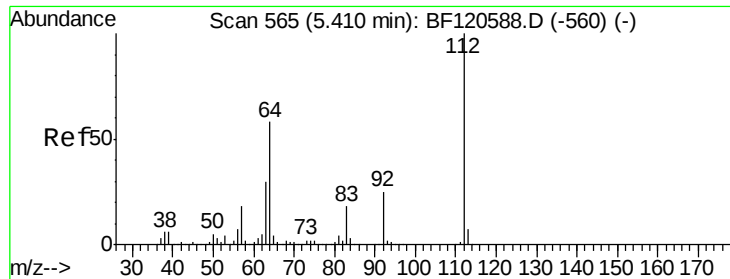
Ion Ratio Lower Upper

42 100

74 134.1 107.8 161.6

44 6.4 5.1 7.7





#5

2-Fluorophenol

Concen: 142.441 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

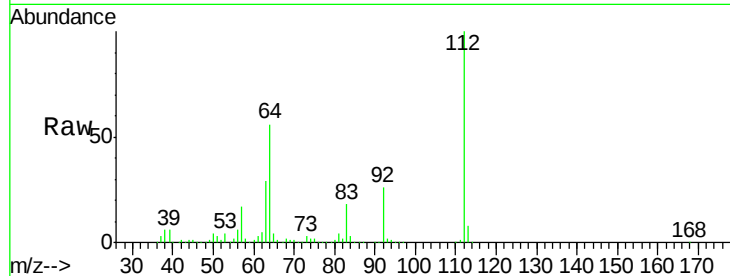
Tot Ion:112 Resp: 1218467

Ion Ratio Lower Upper

112 100

64 55.8 46.1 69.1

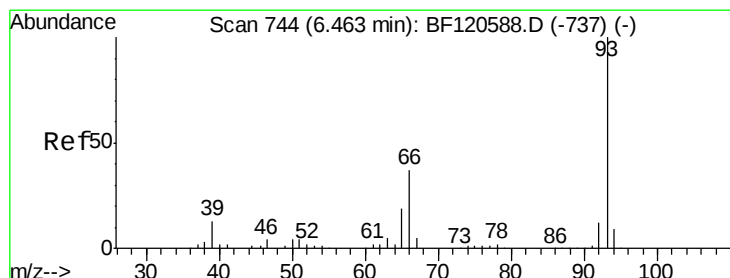
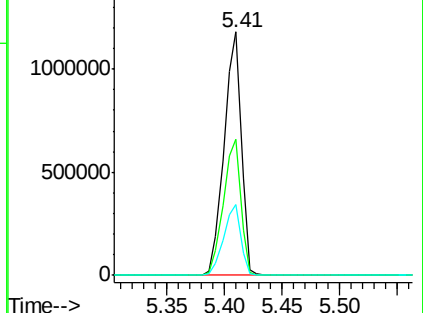
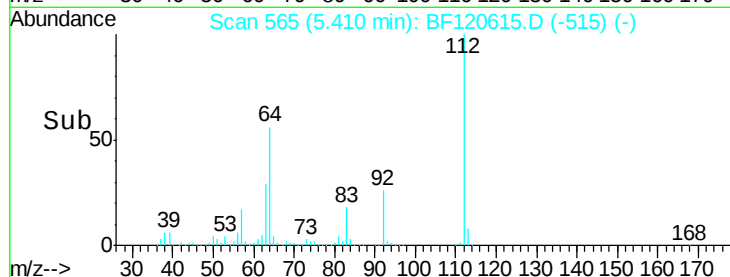
63 28.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 10.452 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

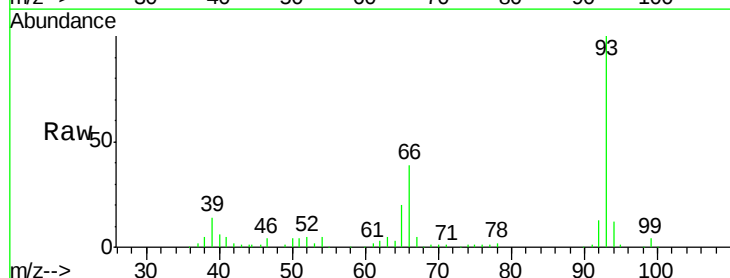
Tgt Ion: 93 Resp: 142508

Ion Ratio Lower Upper

93 100

66 38.5 30.9 46.3

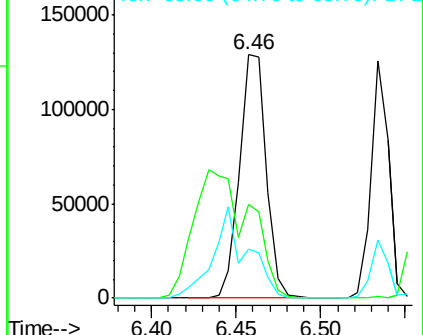
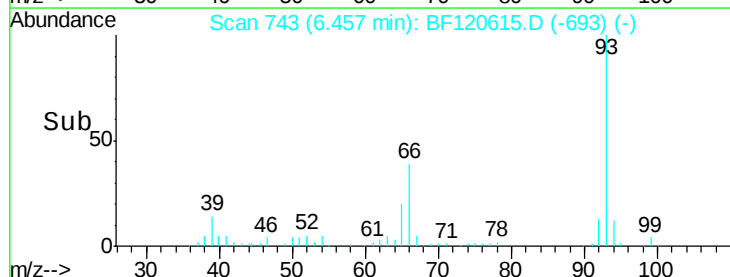
65 20.4 15.9 23.9

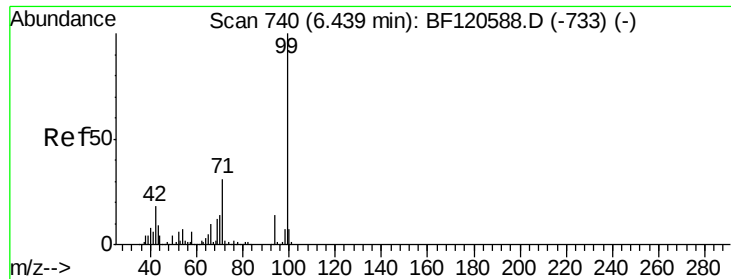


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 146.034 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120615.D

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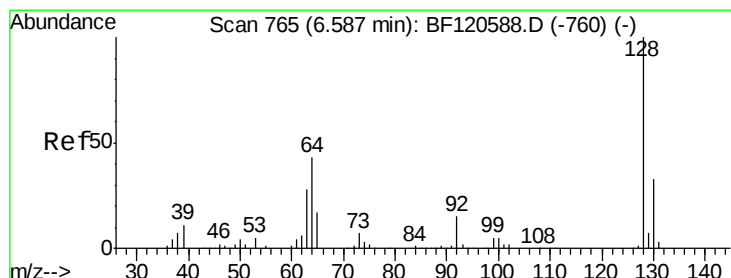
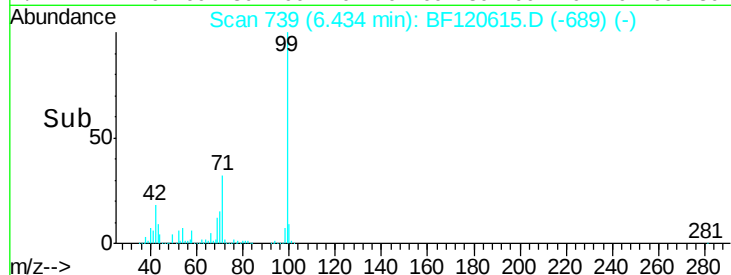
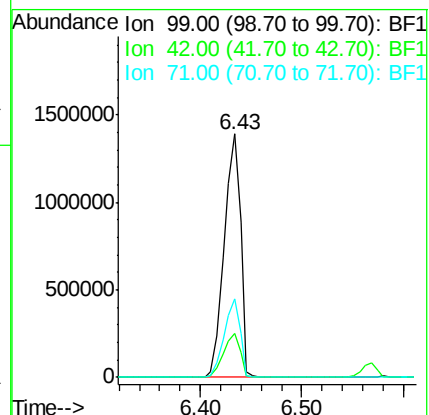
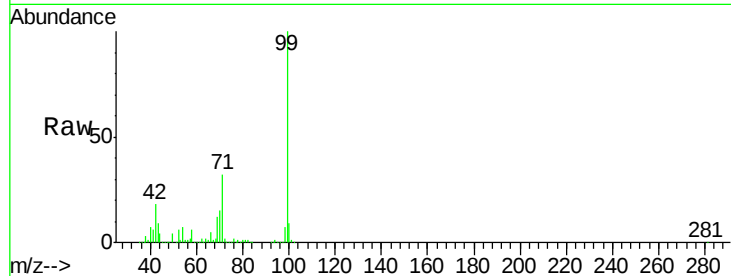
Tot Ion: 99 Resp: 1555875

Ion Ratio Lower Upper

99 100

42 18.2 14.0 21.0

71 32.1 24.9 37.3



#8

2-Chlorophenol

Concen: 9.598 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

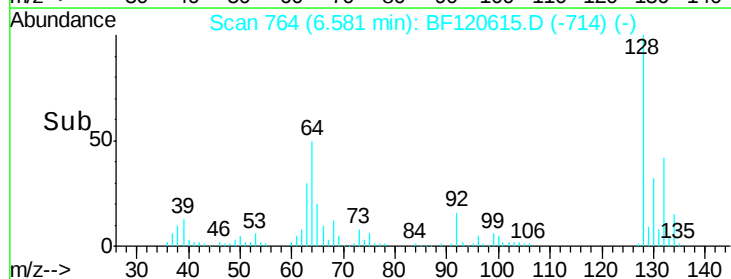
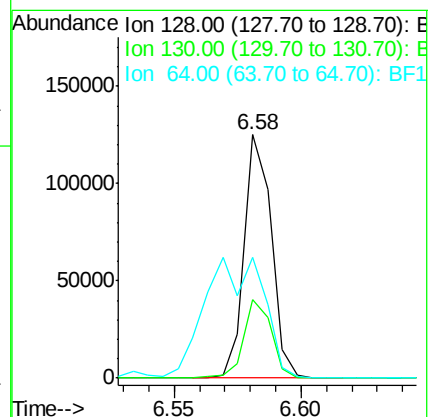
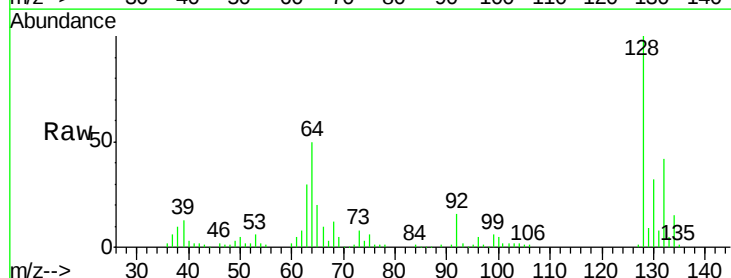
Tgt Ion: 128 Resp: 92774

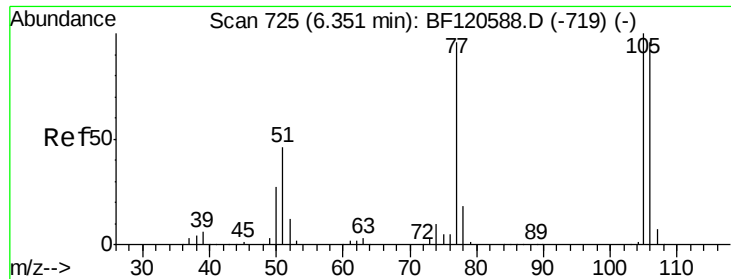
Ion Ratio Lower Upper

128 100

130 32.2 12.6 52.6

64 49.7 24.3 64.3

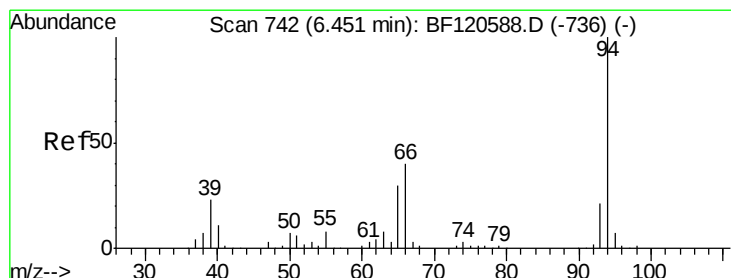
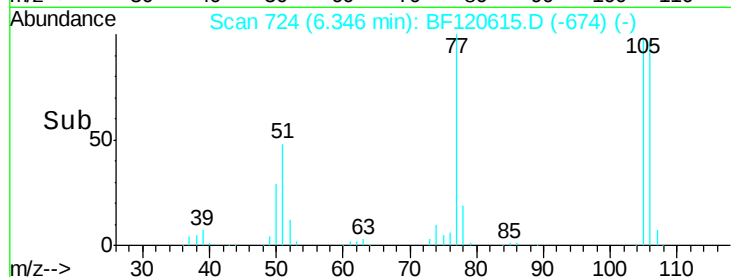
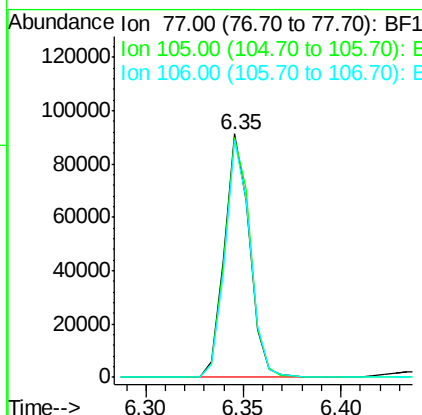
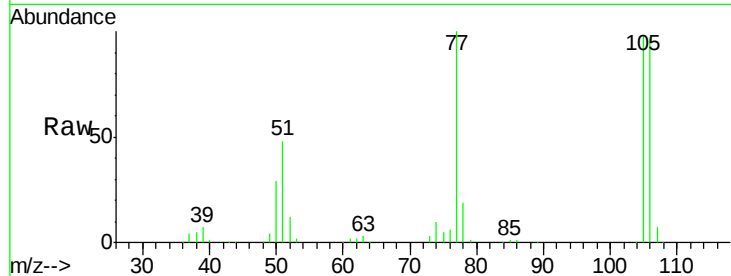




#9
Benzaldehyde
Concen: 11.997 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

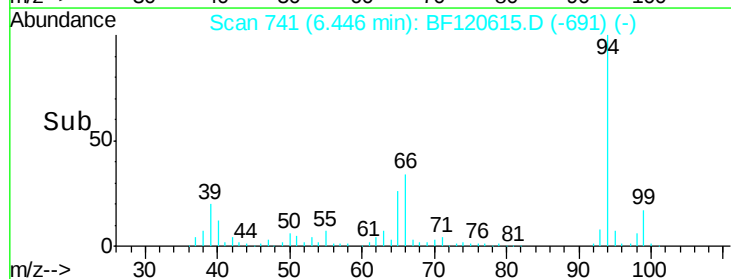
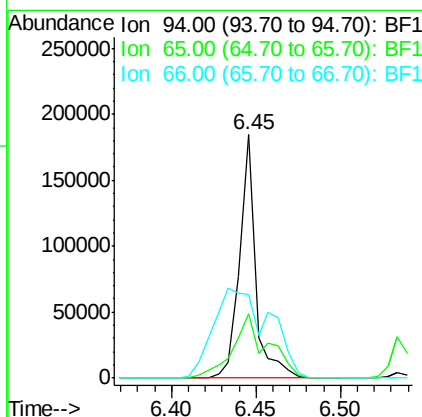
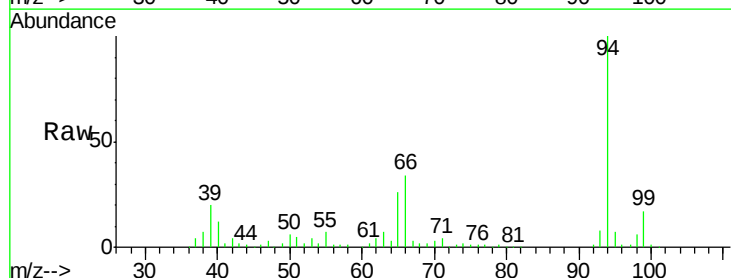
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

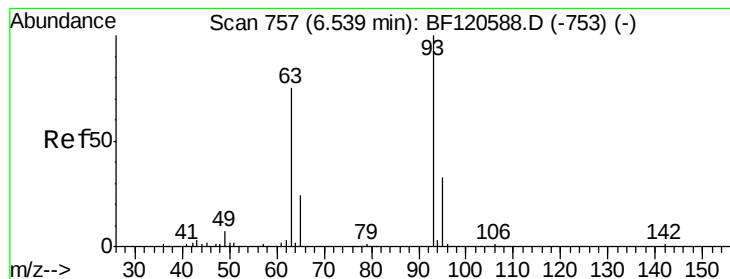
Tot Ion: 77 Resp: 80846
Ion Ratio Lower Upper
77 100
105 98.4 83.8 123.8
106 97.3 79.3 119.3



#10
Phenol
Concen: 10.653 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion: 94 Resp: 121099
Ion Ratio Lower Upper
94 100
65 26.3 9.9 49.9
66 34.5 20.1 60.1





#11

bis(2-Chloroethyl)ether

Concen: 9.619 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

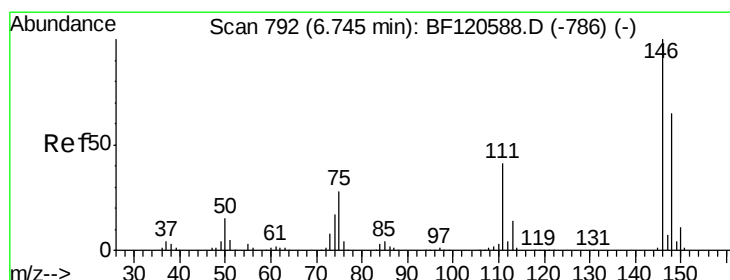
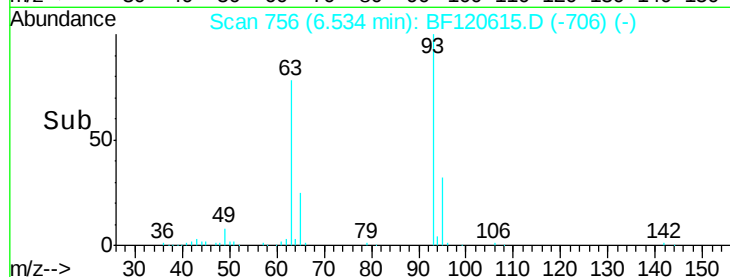
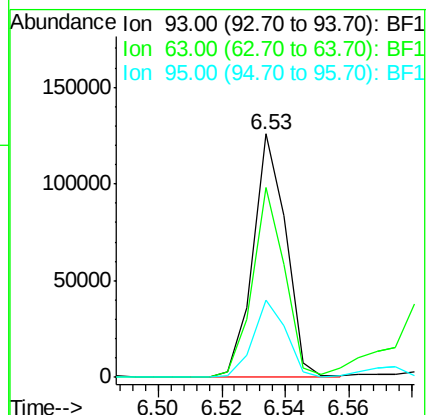
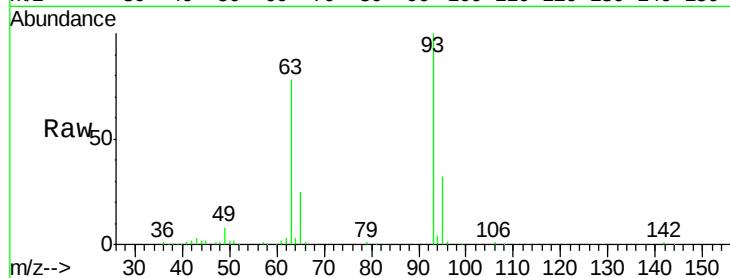
Tot Ion: 93 Resp: 91073

Ion Ratio Lower Upper

93 100

63 78.0 54.4 94.4

95 31.7 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 9.749 ng

RT: 6.74 min Scan# 791

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

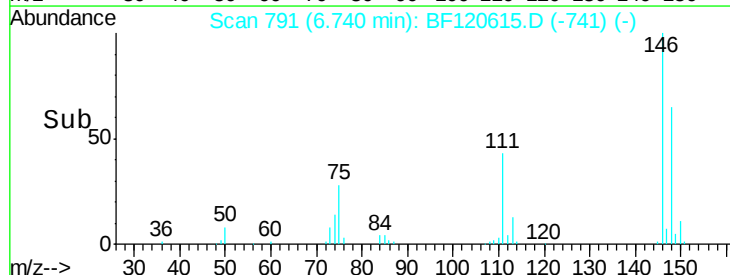
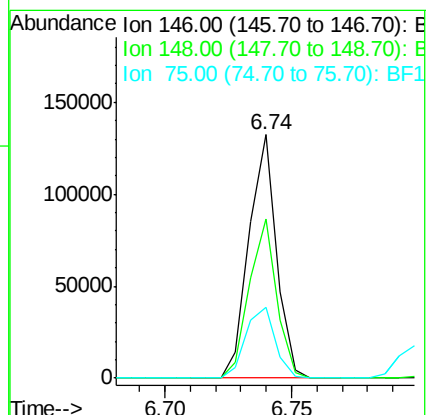
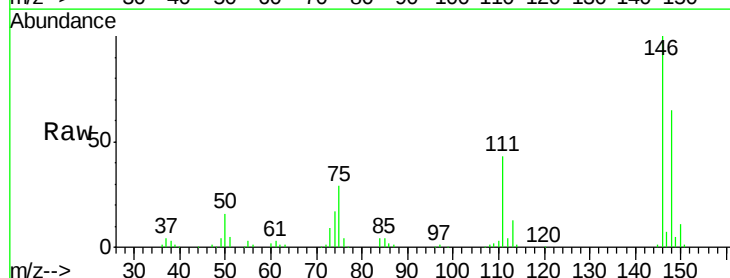
Tgt Ion: 146 Resp: 100184

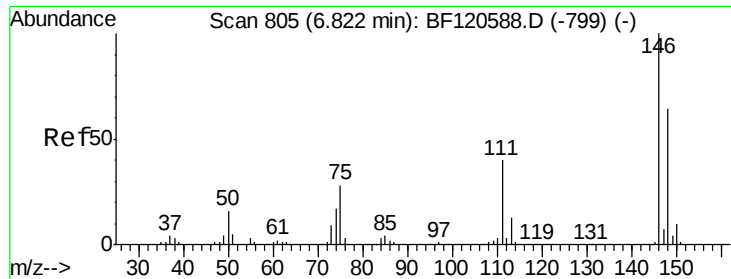
Ion Ratio Lower Upper

146 100

148 65.2 51.8 77.6

75 29.2 22.2 33.4

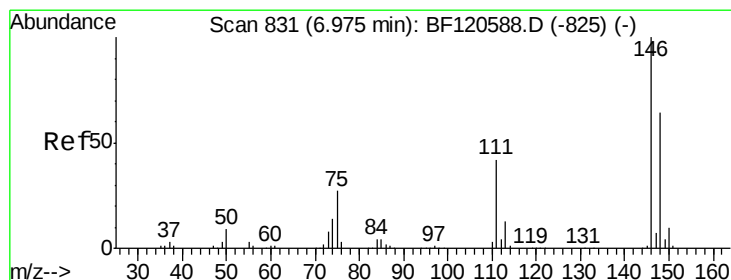
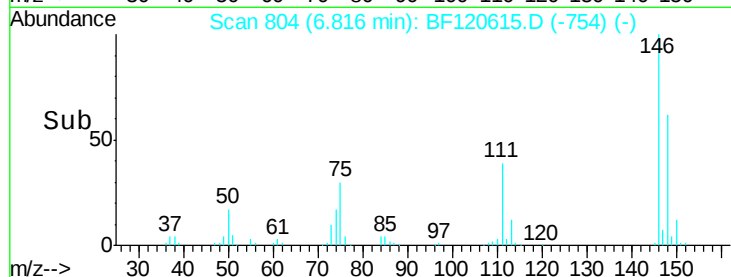
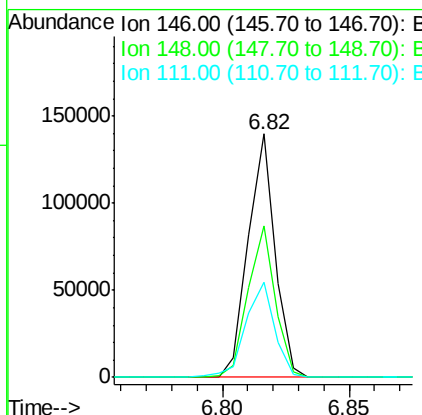
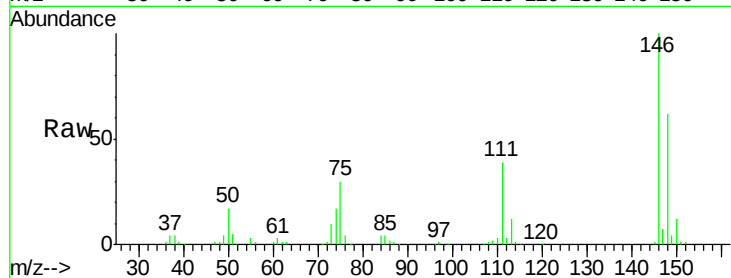




#13
 1,4-Dichlorobenzene
 Concen: 10.178 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

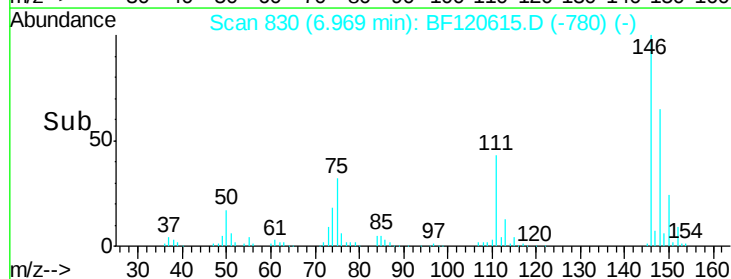
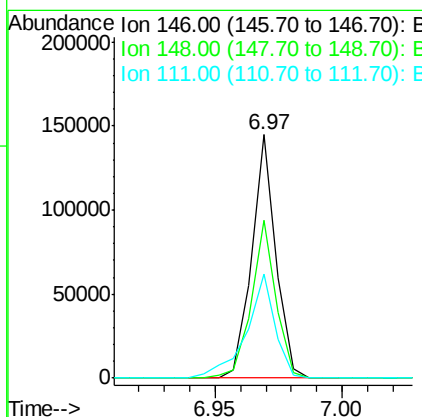
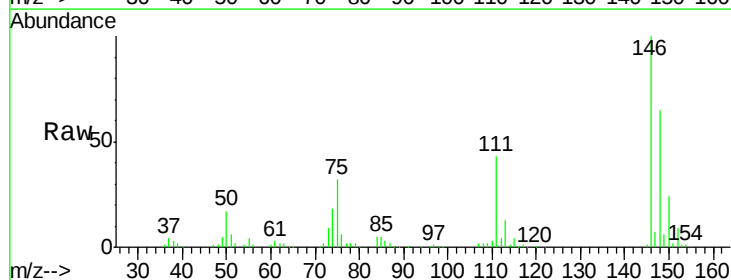
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

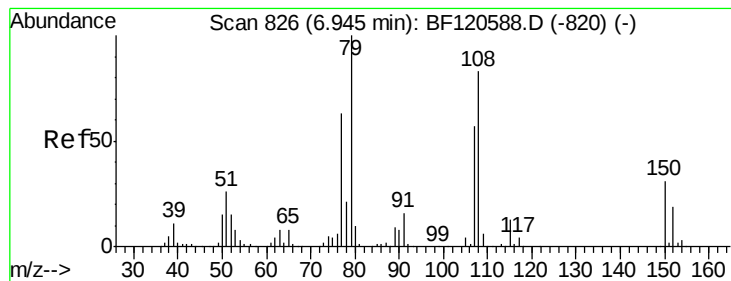
Tot Ion:146 Resp: 103200
 Ion Ratio Lower Upper
 146 100
 148 62.4 51.5 77.3
 111 39.3 32.2 48.4



#14
 1,2-Dichlorobenzene
 Concen: 9.663 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion:146 Resp: 95443
 Ion Ratio Lower Upper
 146 100
 148 64.7 50.8 76.2
 111 42.8 33.6 50.4





#15

Benzyl Alcohol

Concen: 11.272 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

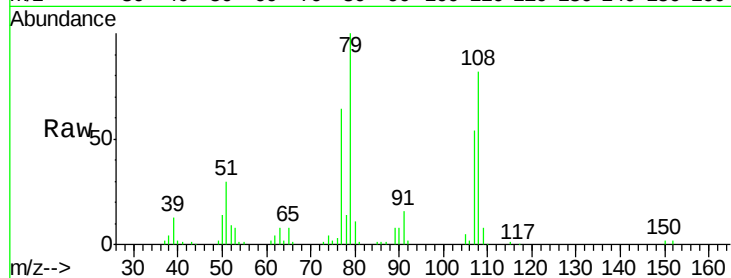
Tot Ion: 79 Resp: 85170

Ion Ratio Lower Upper

79 100

108 81.8 66.8 100.2

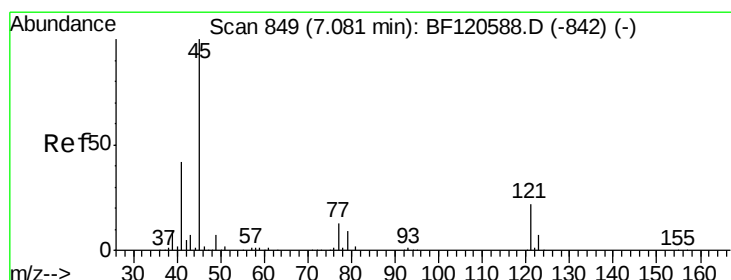
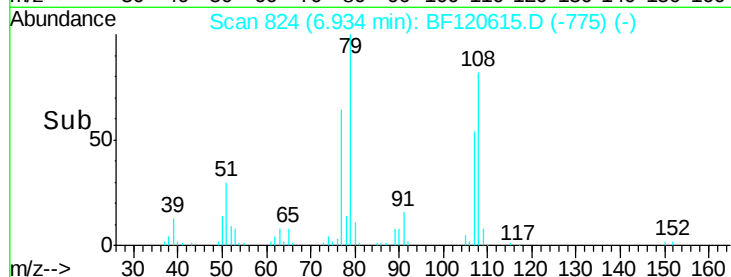
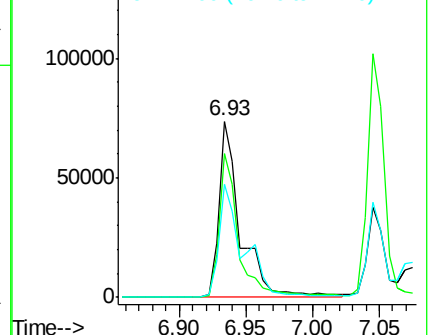
77 63.9 50.6 76.0



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.976 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

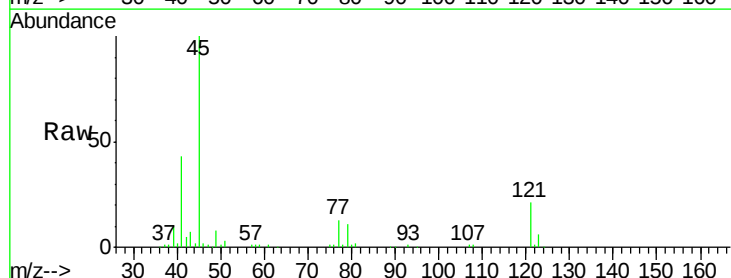
Tgt Ion: 45 Resp: 136006

Ion Ratio Lower Upper

45 100

77 13.4 0.0 34.2

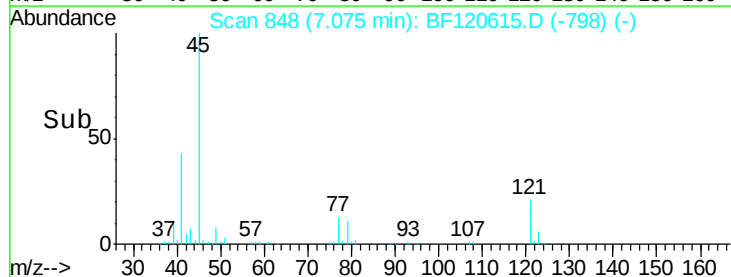
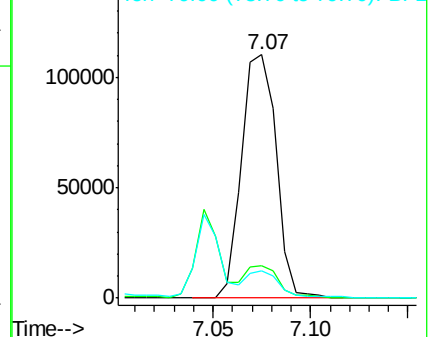
79 11.5 0.0 30.9

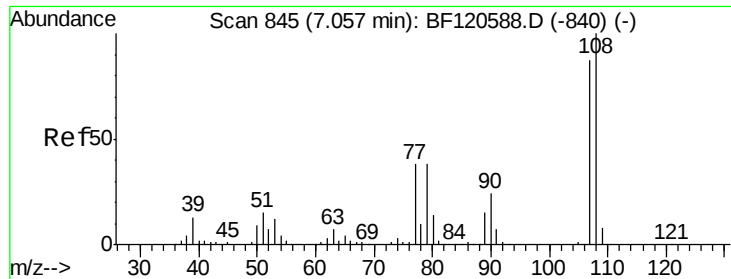


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 9.277 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:107 Resp: 76486

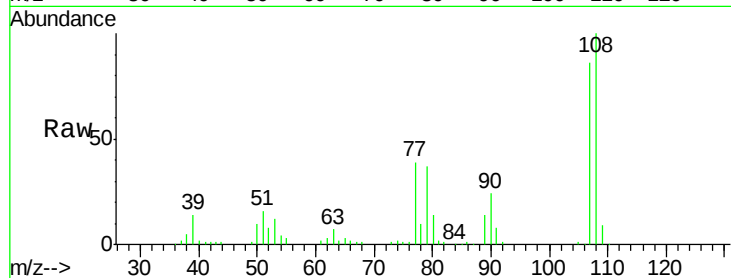
Ion Ratio Lower Upper

107 100

108 116.1 91.9 137.9

77 45.6 35.4 53.2

79 42.9 34.8 52.2

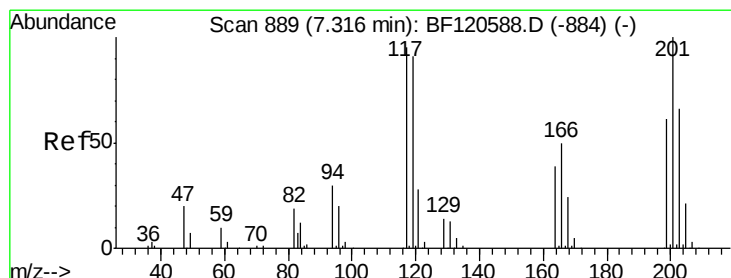
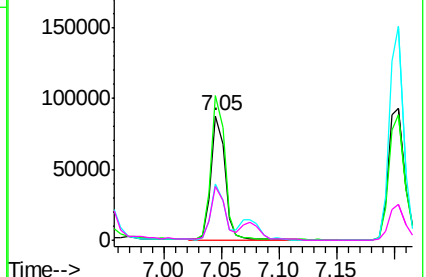
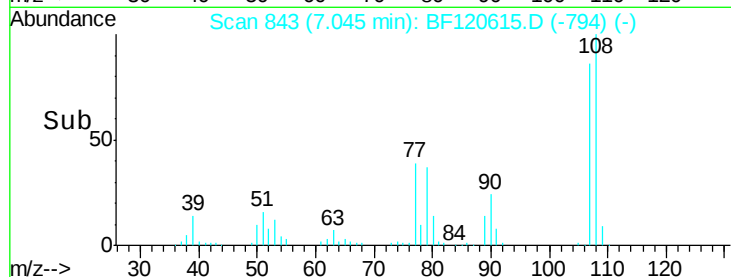


Abundance Ion 107.00 (106.70 to 107.70): E

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: 9.805 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

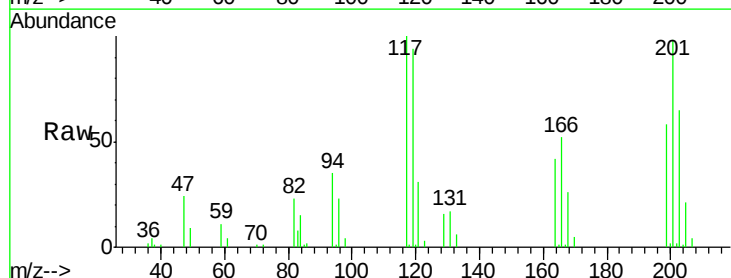
Tgt Ion:117 Resp: 36633

Ion Ratio Lower Upper

117 100

119 93.9 76.9 115.3

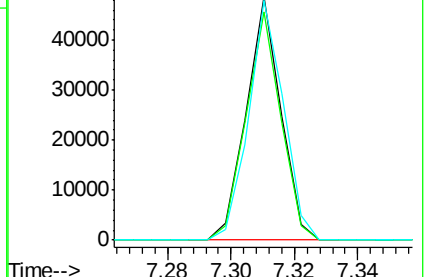
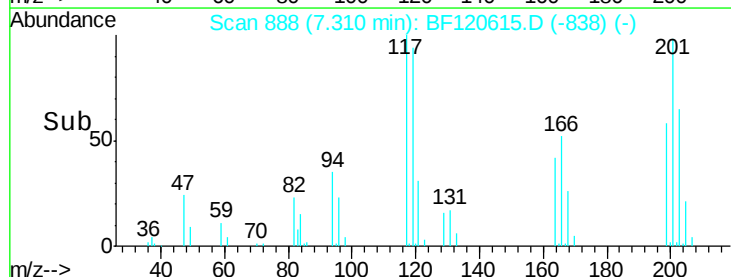
201 98.3 84.6 127.0

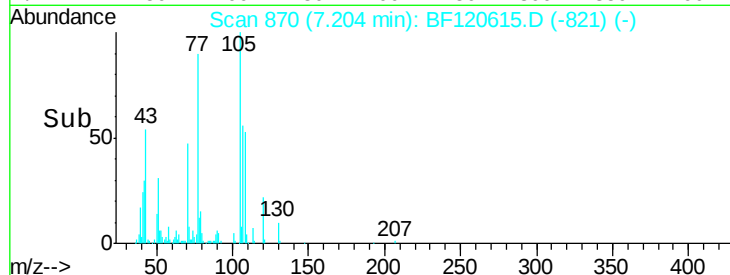
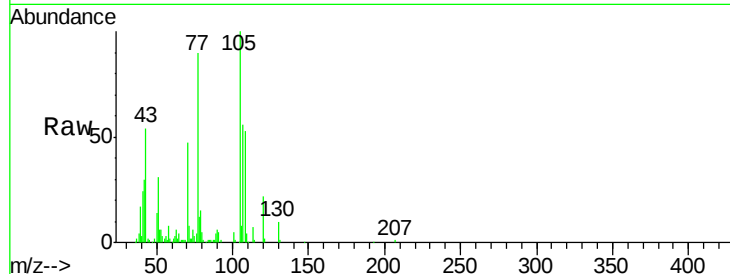
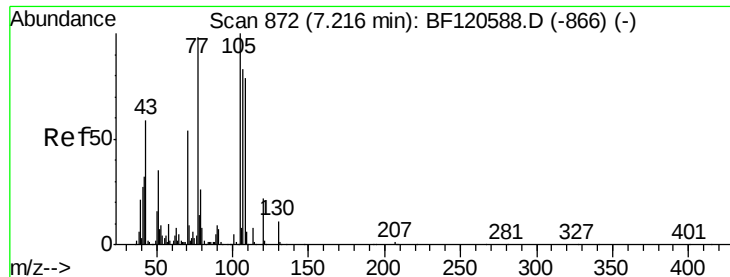


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

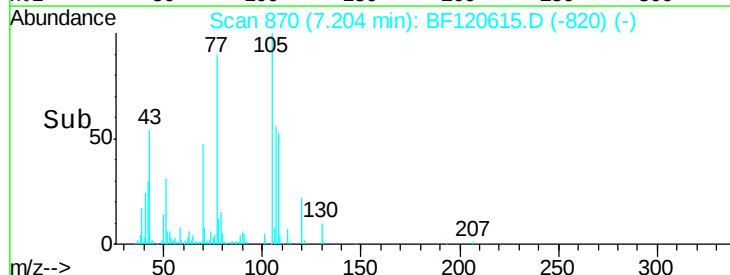
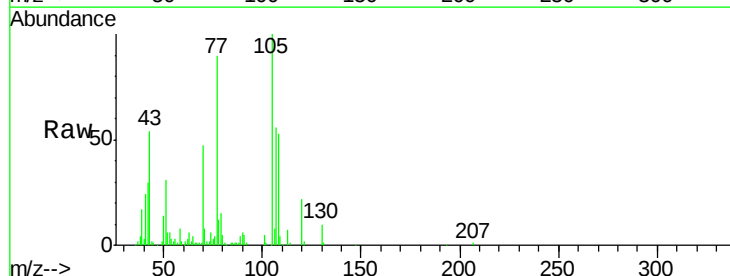
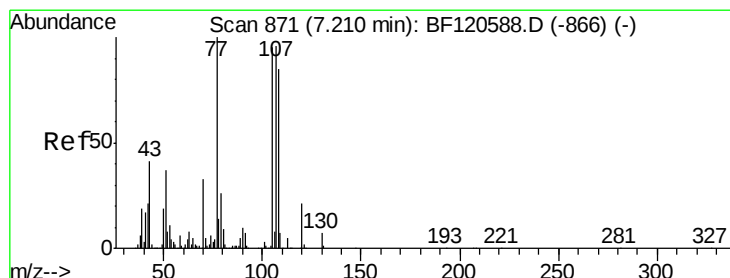
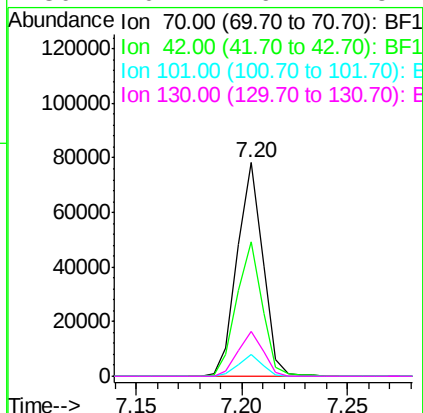




#19
n-Nitroso-di-n-propylamine
Concen: 10.650 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

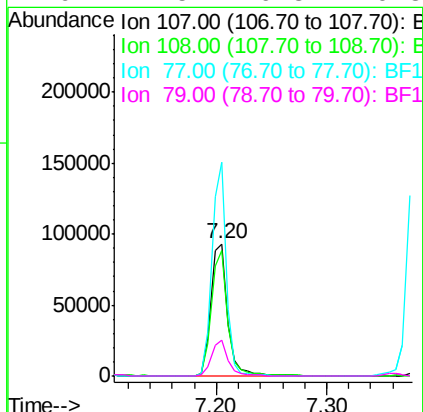
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

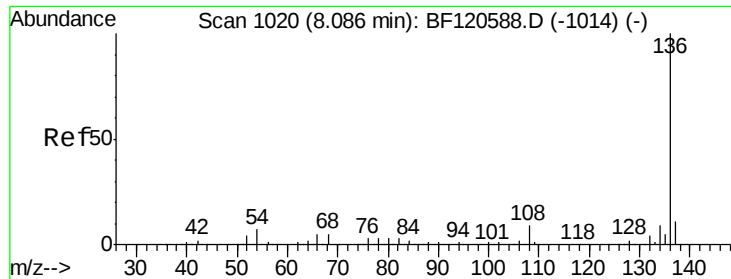
Tot Ion: 70 Resp: 65818
Ion Ratio Lower Upper
70 100
42 63.2 47.7 71.5
101 9.9 7.6 11.4
130 20.7 16.7 25.1



#20
3+4-Methylphenols
Concen: 9.362 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion: 107 Resp: 96454
Ion Ratio Lower Upper
107 100
108 94.6 68.7 108.7
77 161.8 84.2 124.2#
79 27.5 6.8 46.8

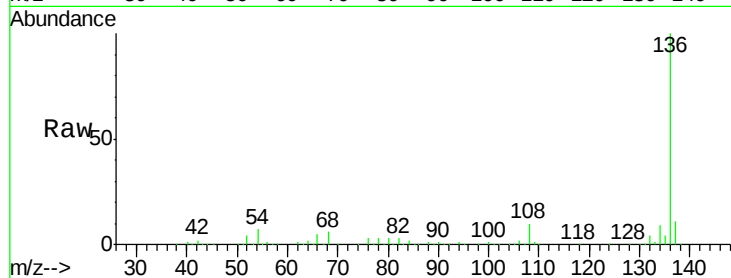




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:136	Resp:	536613	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.6	13.0	
54 7.4	5.8	8.6	
68 5.8	4.4	6.6	

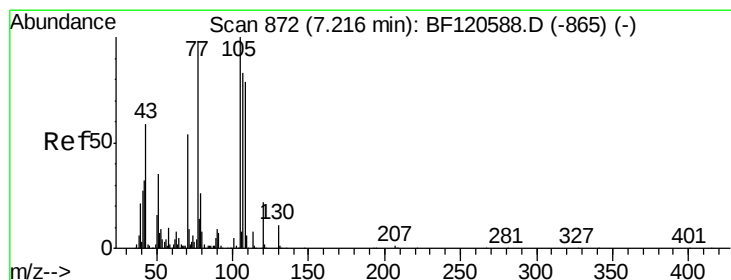
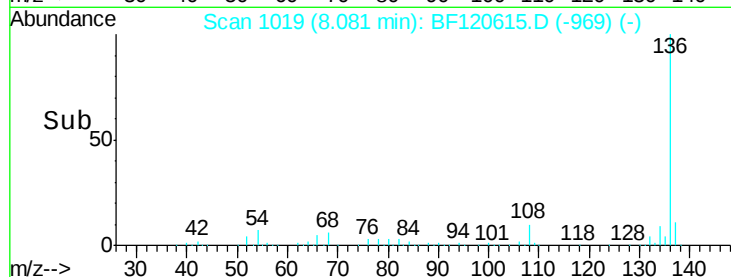
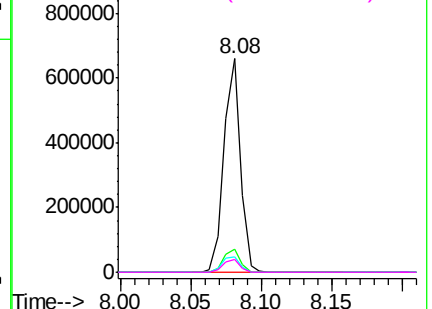


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

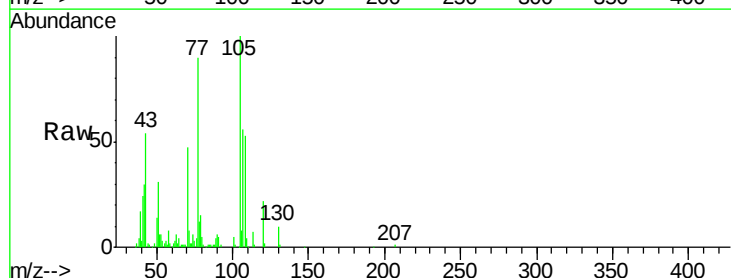
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 11.487 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt	Ion:105	Resp:	137807
Ion	Ratio	Lower	Upper
105	100		
71	7.8	7.2	10.8
51	31.2	27.8	41.8
120	21.7	18.0	27.0

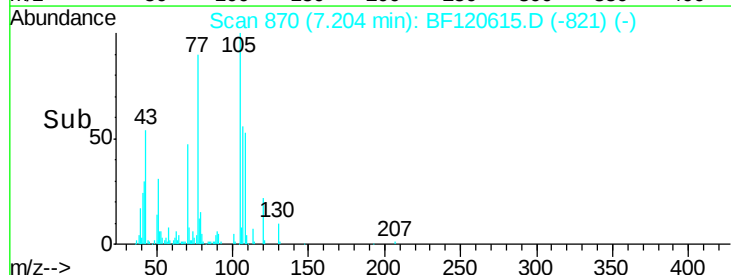
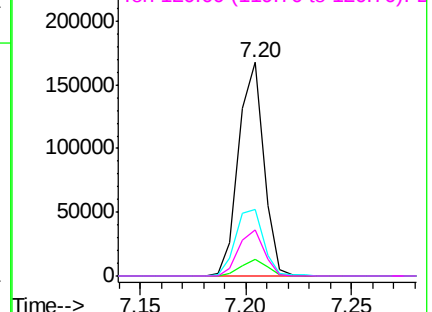


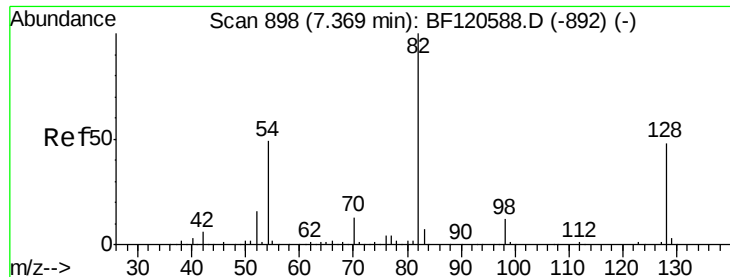
Abundance Ion 105.00 (104.70 to 105.70): E

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

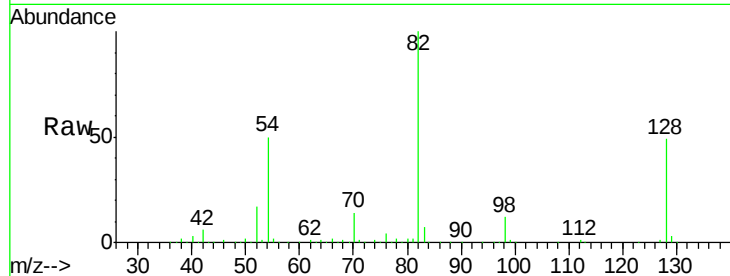




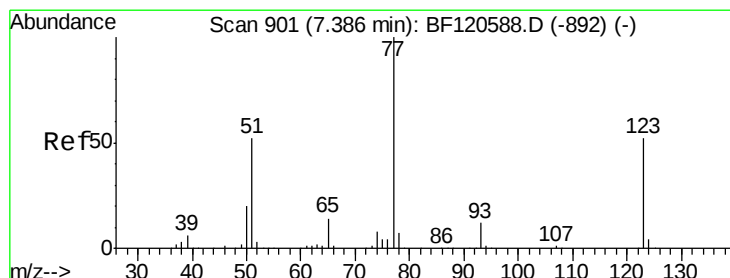
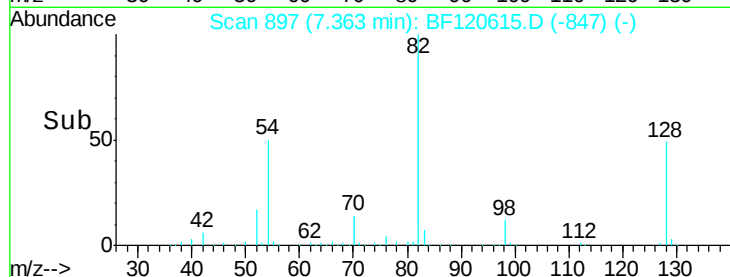
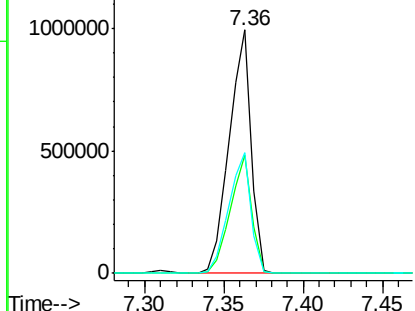
#23
 Nitrobenzene-d5
 Concen: 99.104 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion: 82 Resp: 951410
 Ion Ratio Lower Upper
 82 100
 128 48.7 38.0 57.0
 54 49.8 38.8 58.2

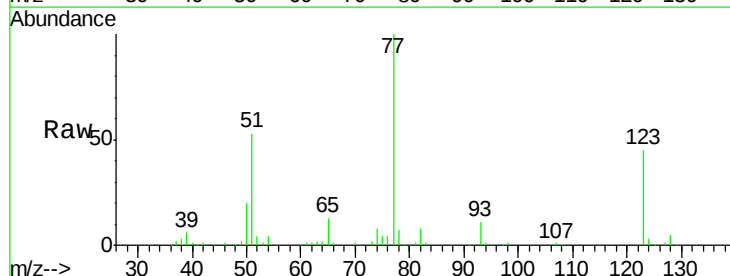


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

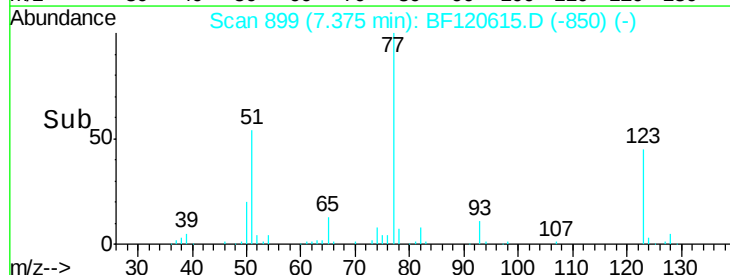
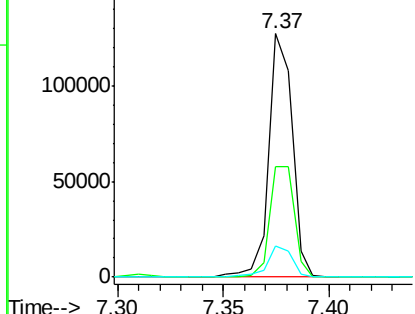


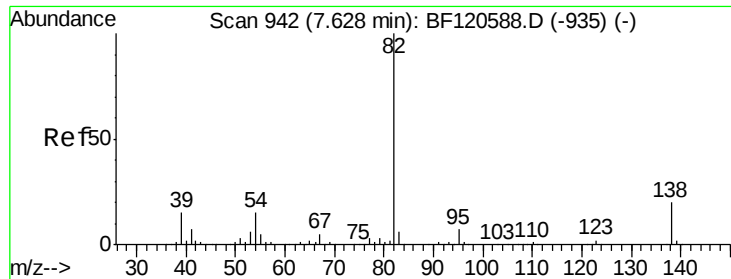
#24
 Nitrobenzene
 Concen: 9.862 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion: 77 Resp: 99074
 Ion Ratio Lower Upper
 77 100
 123 45.4 41.4 62.0
 65 12.7 11.0 16.4



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 9.474 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.02 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

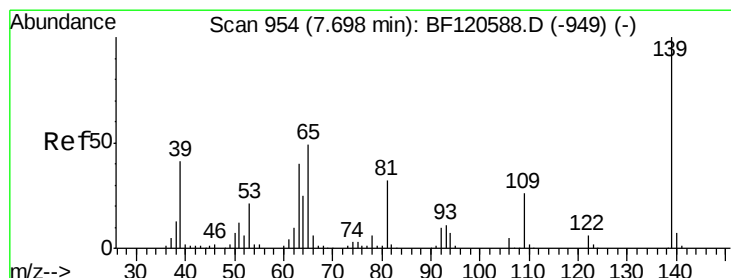
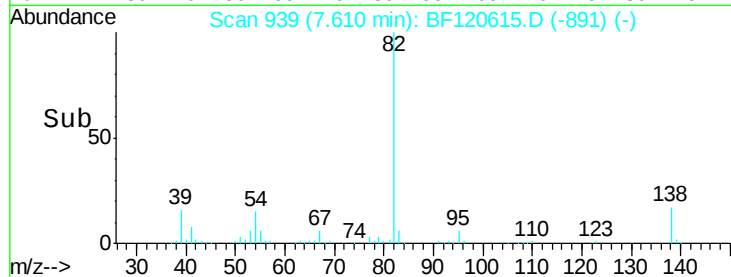
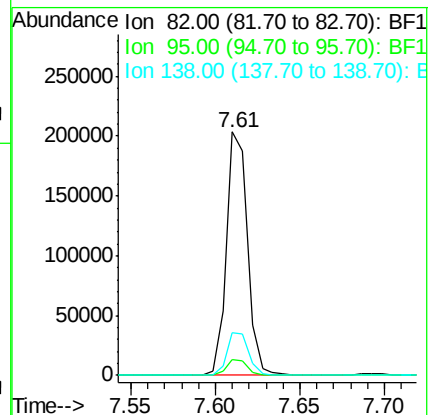
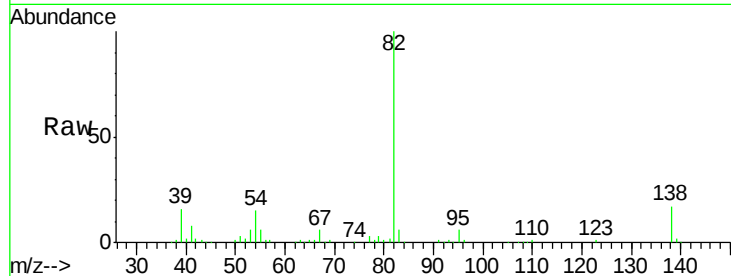
Tot Ion: 82 Resp: 177163

Ion Ratio Lower Upper

82 100

95 6.3 5.7 8.5

138 17.4 16.2 24.4



#26

2-Nitrophenol

Concen: 8.652 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

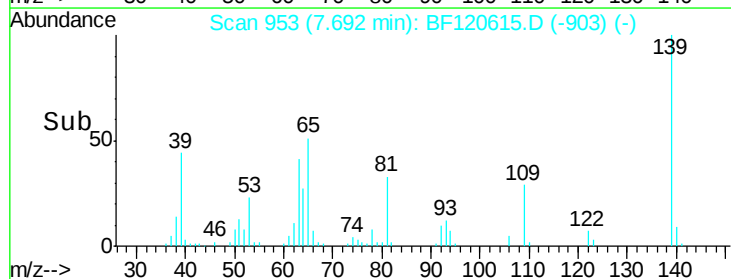
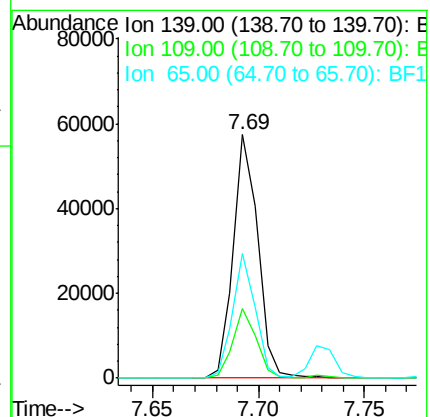
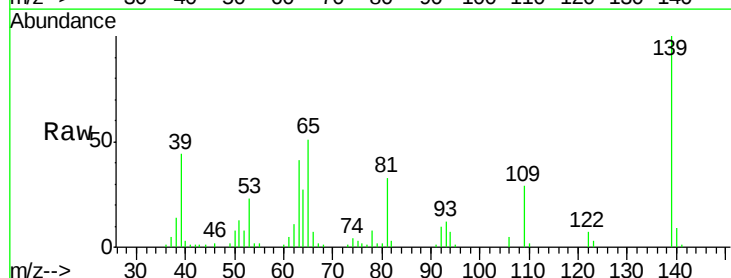
Tgt Ion: 139 Resp: 45981

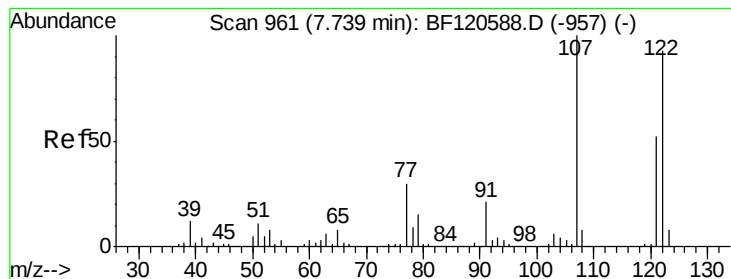
Ion Ratio Lower Upper

139 100

109 28.8 21.1 31.7

65 50.9 39.4 59.0





#27

2,4-Dimethylphenol

Concen: 8.489 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

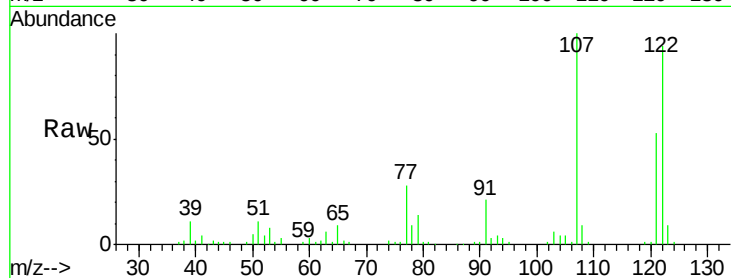
Tot Ion:122 Resp: 66433

Ion Ratio Lower Upper

122 100

107 106.7 86.4 129.6

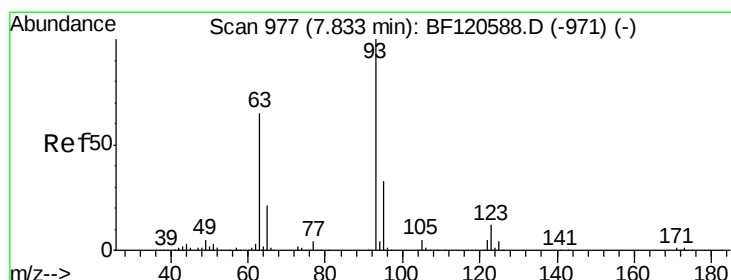
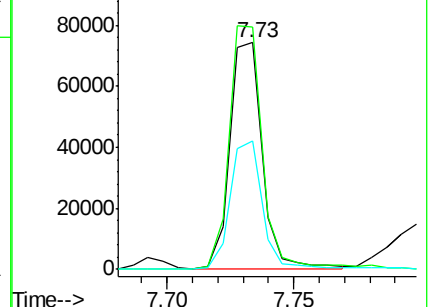
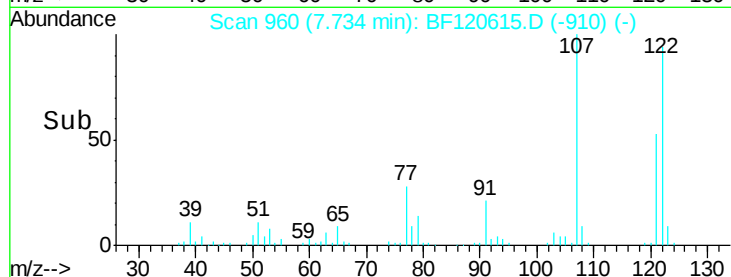
121 56.9 45.2 67.8



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: 10.336 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

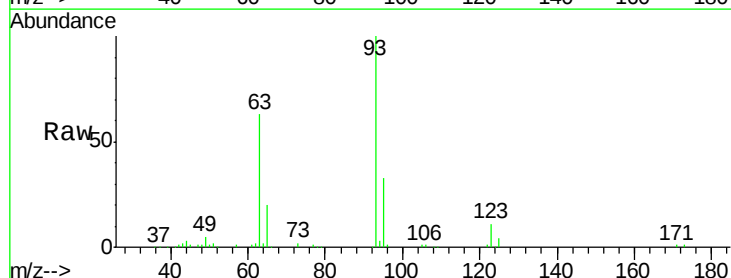
Tgt Ion: 93 Resp: 112043

Ion Ratio Lower Upper

93 100

95 33.1 26.2 39.4

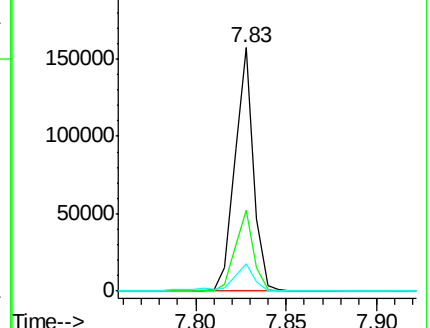
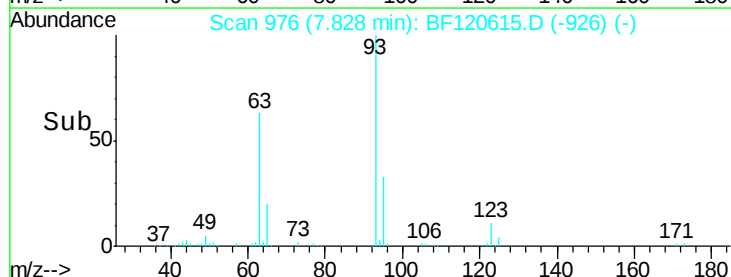
123 11.3 9.5 14.3

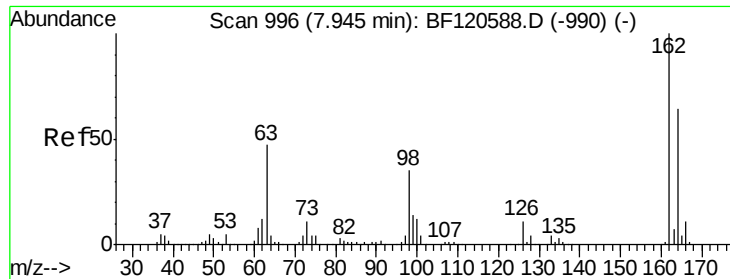


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

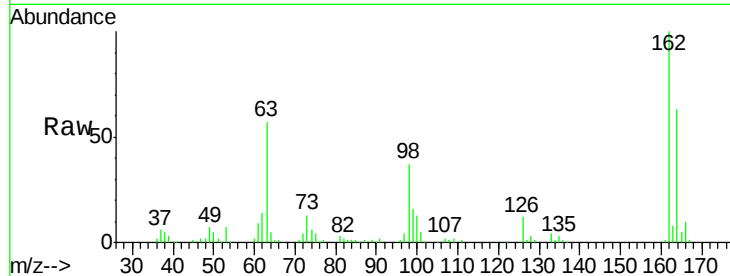




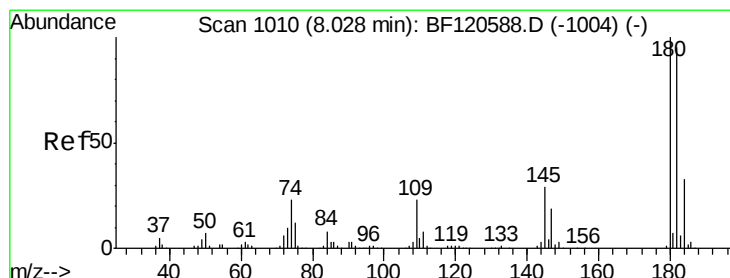
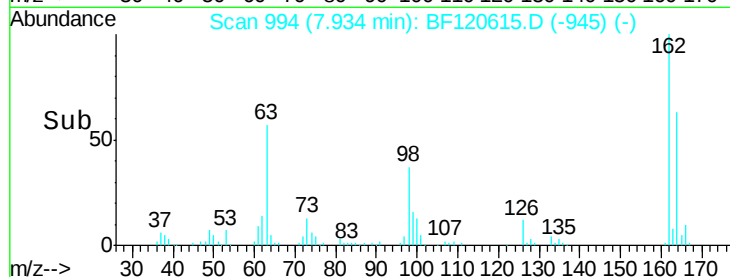
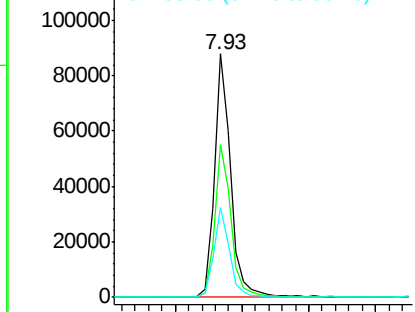
#29
 2,4-Dichlorophenol
 Concen: 9.506 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:162 Resp: 75615
 Ion Ratio Lower Upper
 162 100
 164 62.7 44.1 84.1
 98 37.1 14.7 54.7

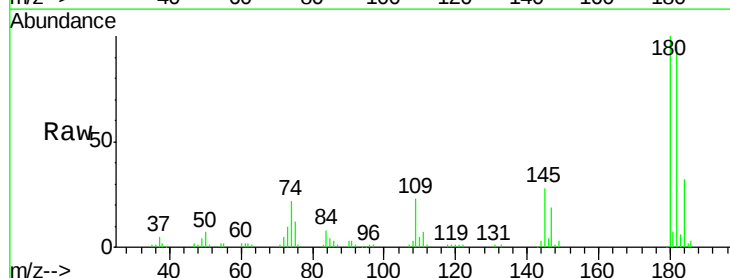


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

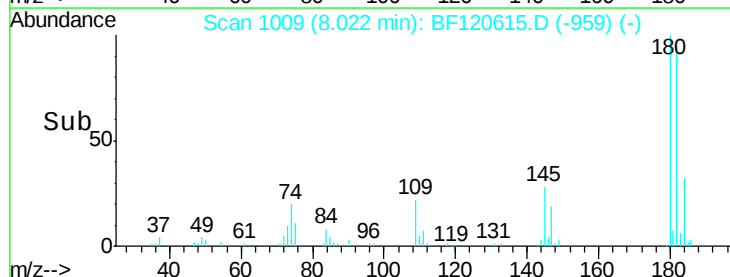
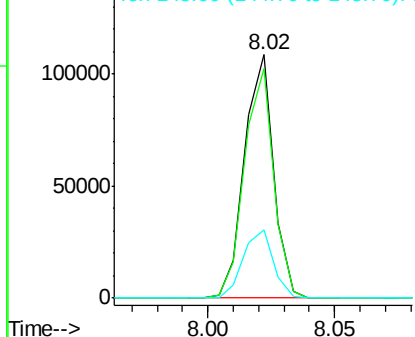


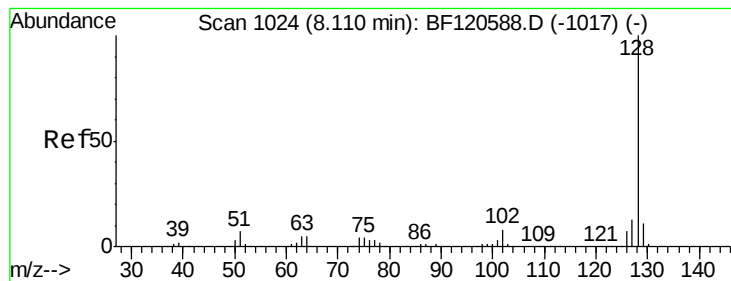
#30
 1,2,4-Trichlorobenzene
 Concen: 9.840 ng
 RT: 8.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion:180 Resp: 86739
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.8 113.6
 145 28.2 23.0 34.6



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: 10.788 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

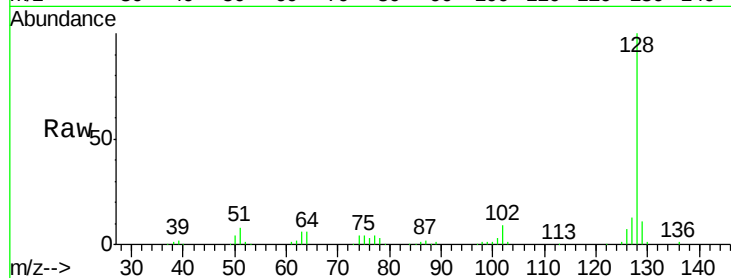
Tot Ion:128 Resp: 284247

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

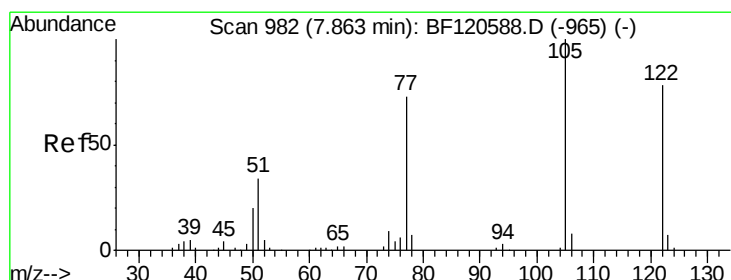
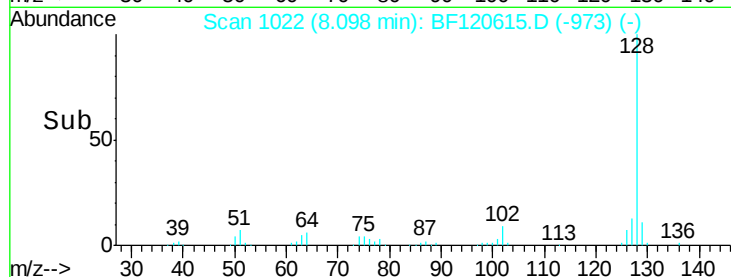
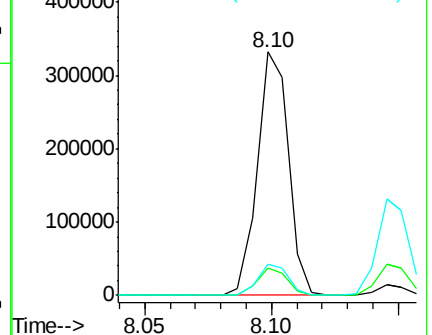
127 13.0 10.6 15.8



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: 4.862 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.06 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

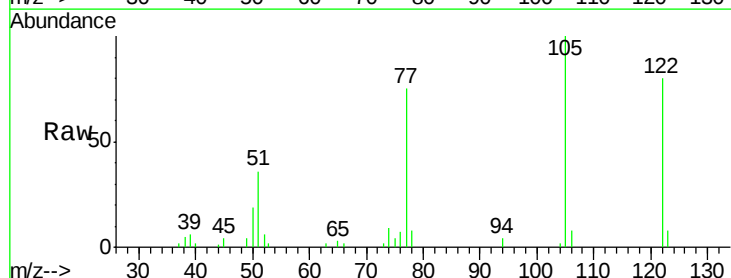
Tgt Ion:122 Resp: 29192

Ion Ratio Lower Upper

122 100

105 125.4 101.0 141.0

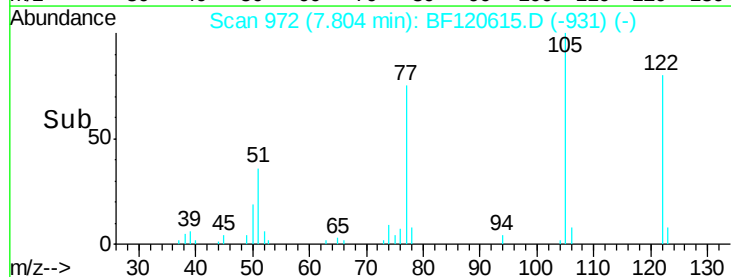
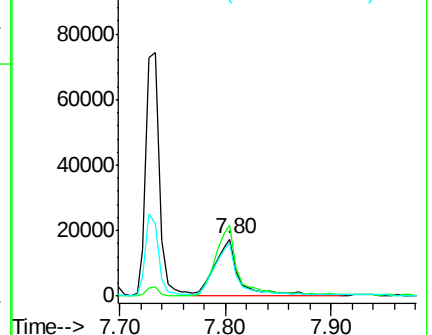
77 94.0 69.8 109.8

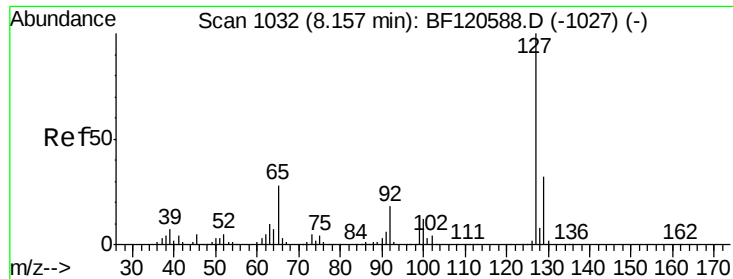


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

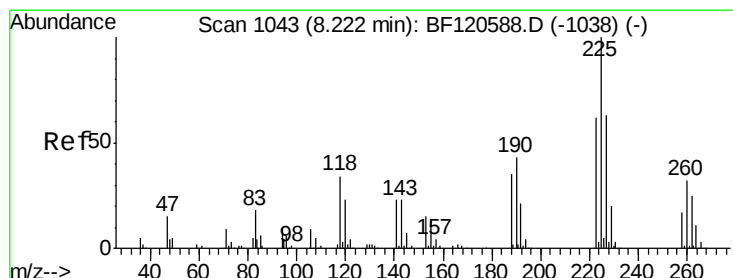
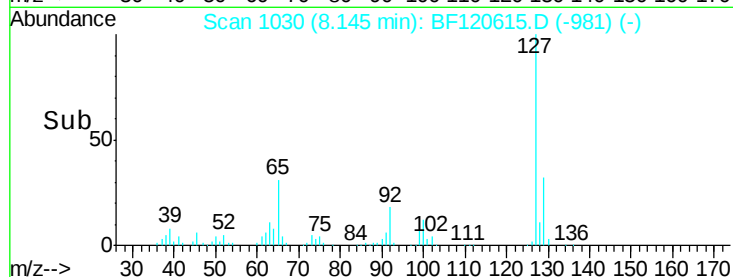
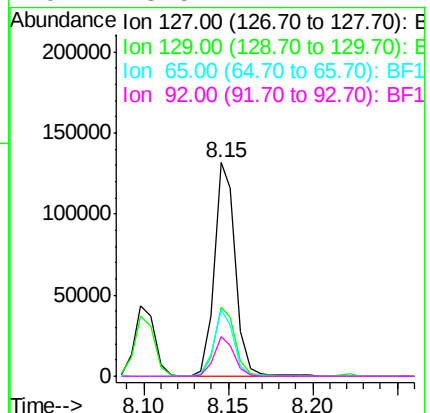
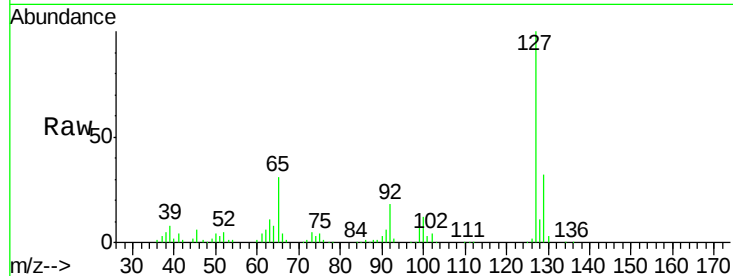




#33
4-Chloroaniline
Concen: 9.536 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

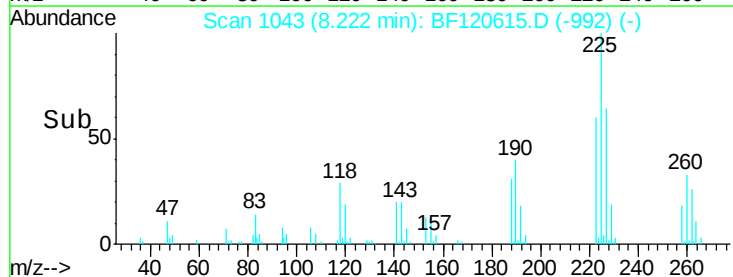
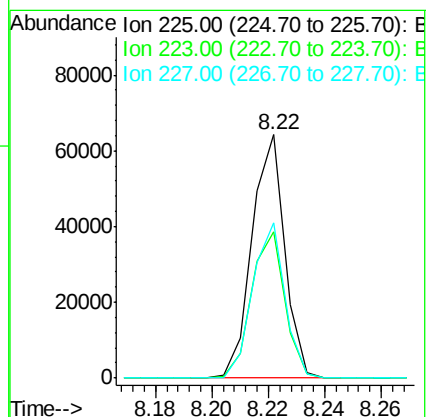
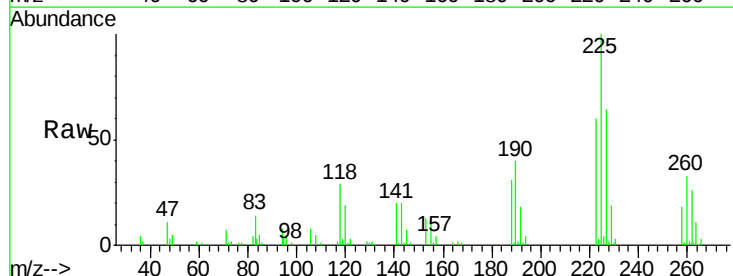
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

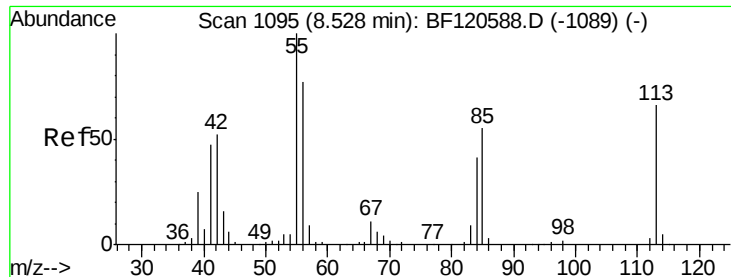
Tot Ion:	127	Resp:	115336
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	31.3	22.2	33.4
92	18.5	14.2	21.2



#34
Hexachlorobutadiene
Concen: 10.034 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion:	225	Resp:	51562
Ion	Ratio	Lower	Upper
225	100		
223	60.2	49.9	74.9
227	63.6	50.5	75.7

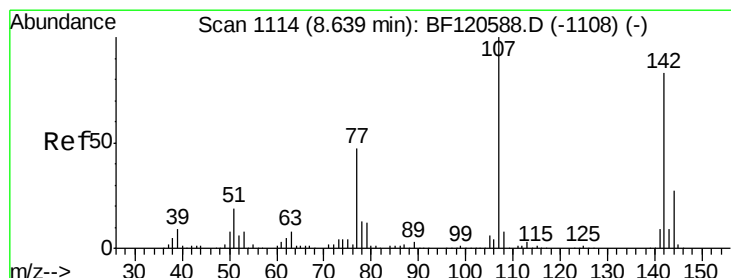
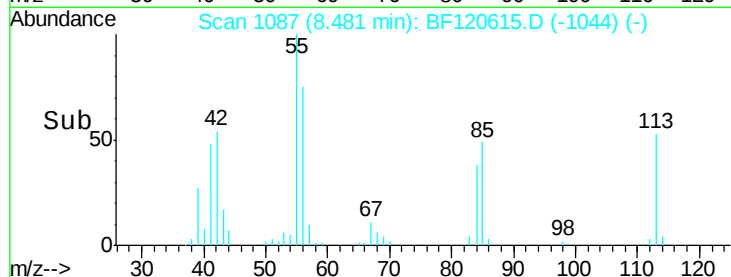
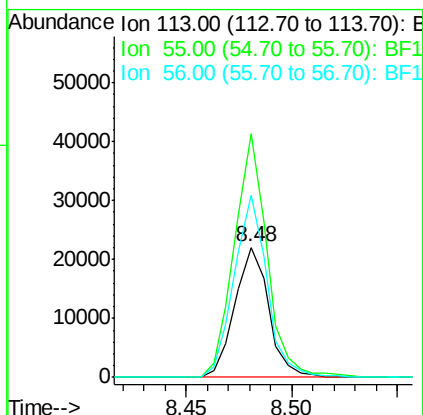
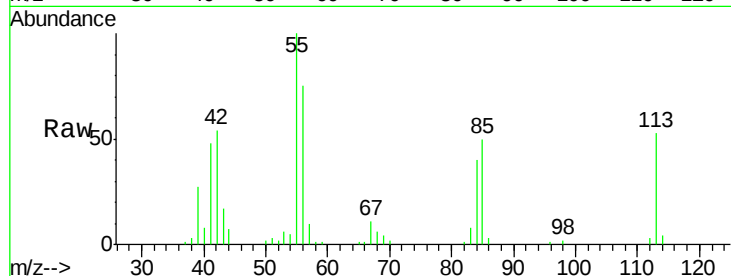




#35
 Caprolactam
 Concen: 9.616 ng
 RT: 8.48 min Scan# 1087
 Delta R.T. -0.05 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

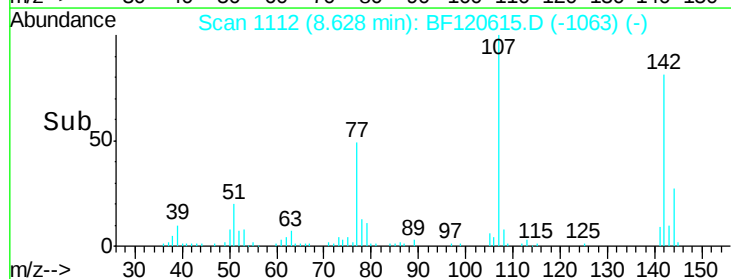
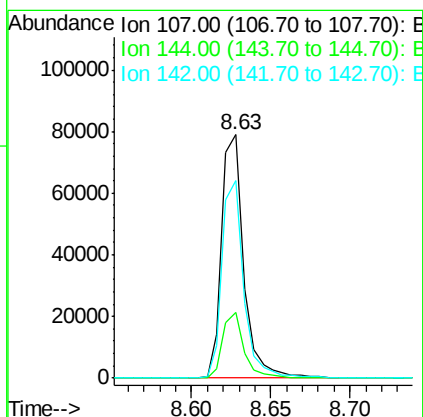
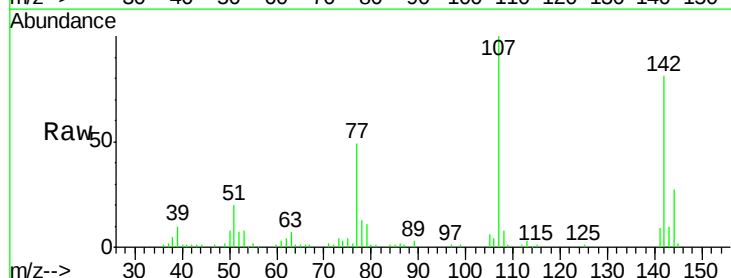
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

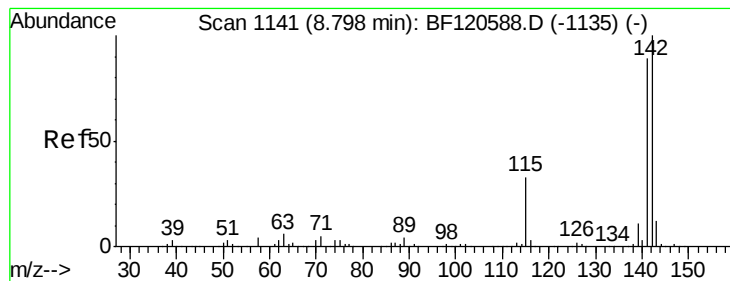
Tot Ion:113 Resp: 24463
 Ion Ratio Lower Upper
 113 100
 55 187.5 133.1 173.1#
 56 140.1 98.4 138.4#



#36
 4-Chloro-3-methylphenol
 Concen: 9.623 ng
 RT: 8.63 min Scan# 1112
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion:107 Resp: 76475
 Ion Ratio Lower Upper
 107 100
 144 26.8 21.4 32.2
 142 81.4 66.3 99.5





#37

2-Methylnaphthalene

Concen: 10.732 ng

RT: 8.79 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

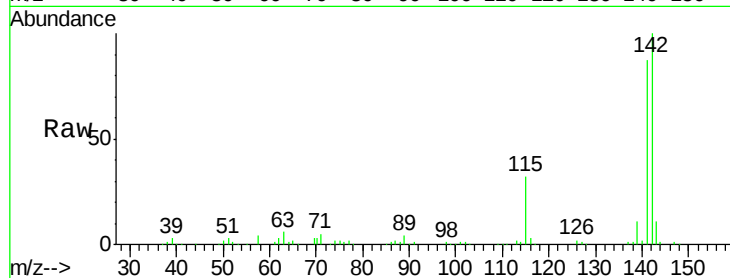
Tot Ion:142 Resp: 184598

Ion Ratio Lower Upper

142 100

141 87.3 71.4 107.0

115 31.5 26.1 39.1



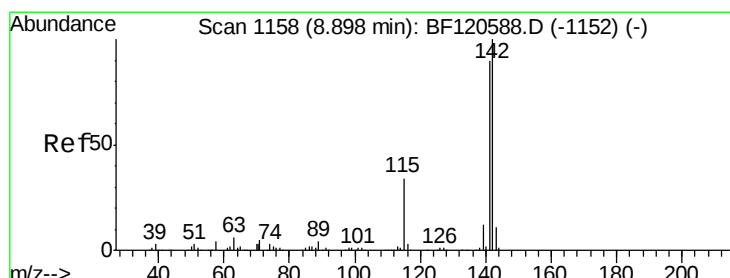
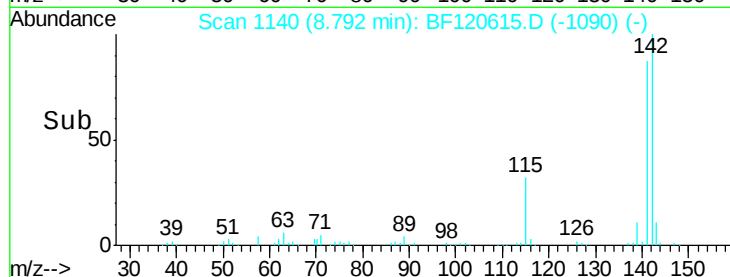
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

8.79

Time-->



#38

1-Methylnaphthalene

Concen: 10.781 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

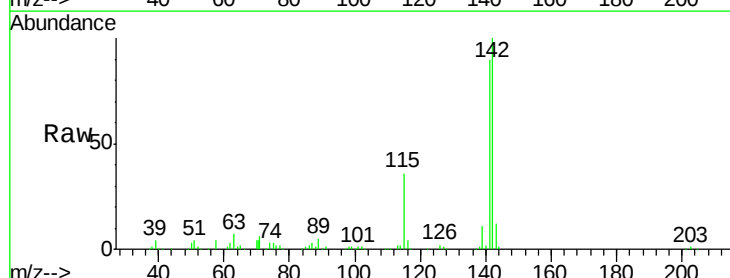
Tgt Ion:142 Resp: 174503

Ion Ratio Lower Upper

142 100

141 90.1 72.1 108.1

116 3.6 2.7 4.1



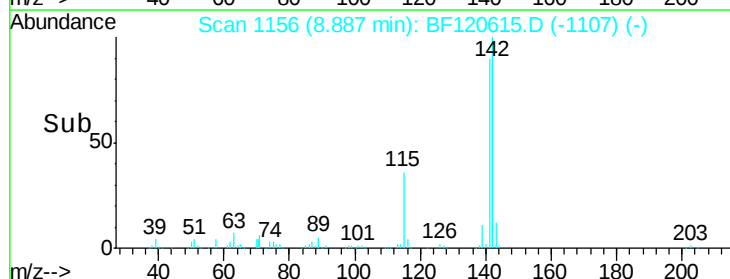
Abundance Ion 142.00 (141.70 to 142.70): E

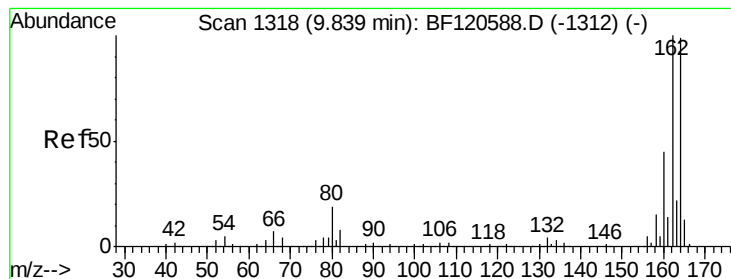
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

8.89

Time-->





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

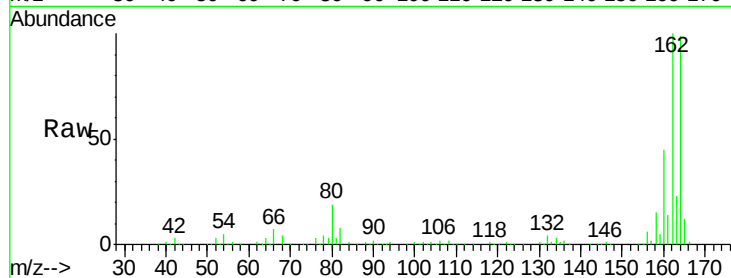
Tot Ion:164 Resp: 282526

Ion Ratio Lower Upper

164 100

162 101.3 80.6 120.8

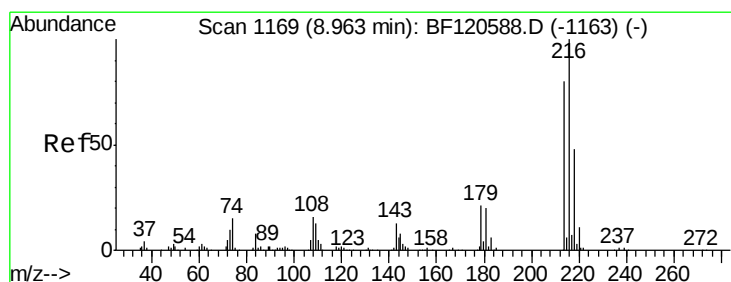
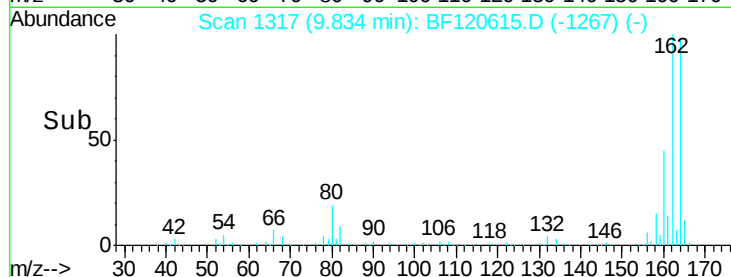
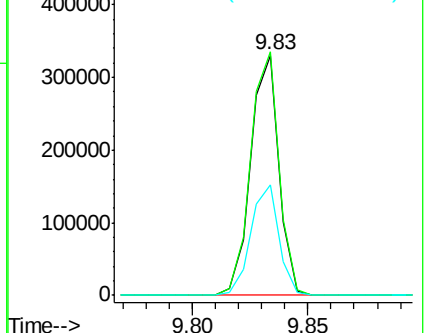
160 46.0 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.526 ng

RT: 8.96 min Scan# 1168

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Tgt Ion:216 Resp: 88801

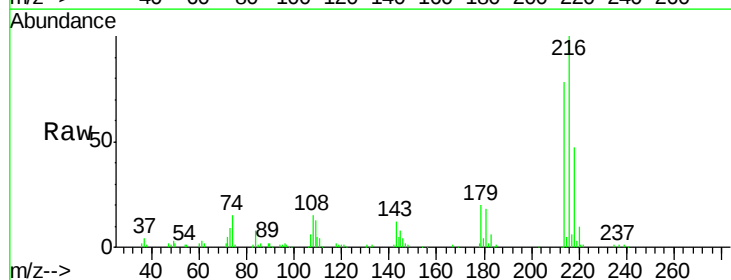
Ion Ratio Lower Upper

216 100

214 78.6 63.8 95.6

179 20.4 16.4 24.6

108 18.0 13.8 20.8

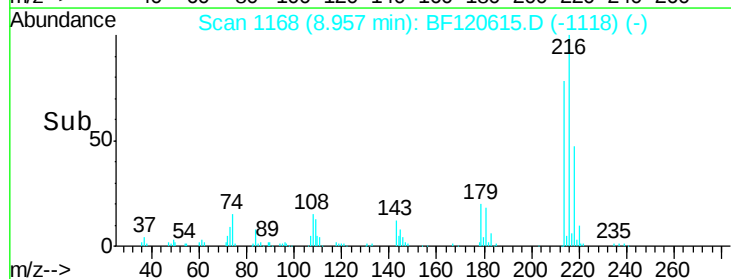
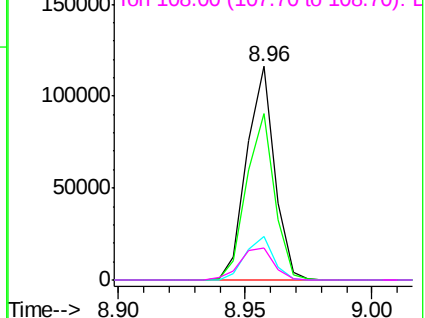


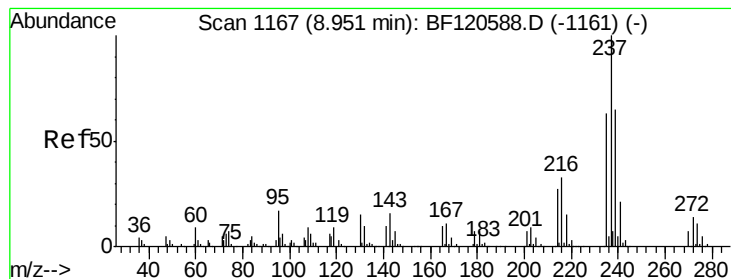
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.154 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

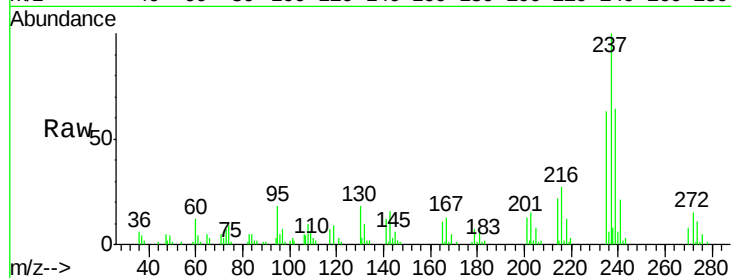
Tot Ion:237 Resp: 33818

Ion Ratio Lower Upper

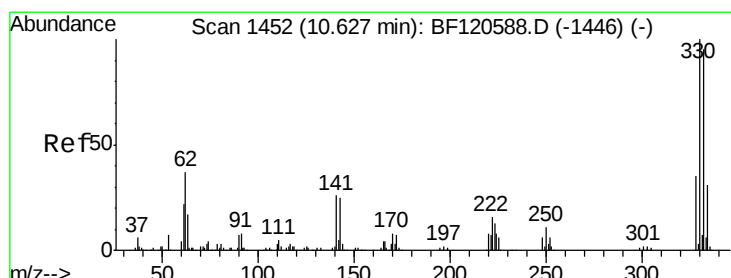
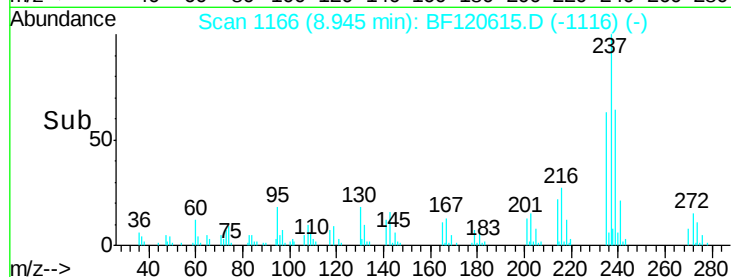
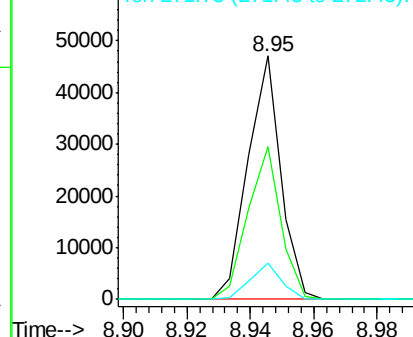
237 100

235 62.9 43.2 83.2

272 14.7 0.0 33.9



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: 142.635 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

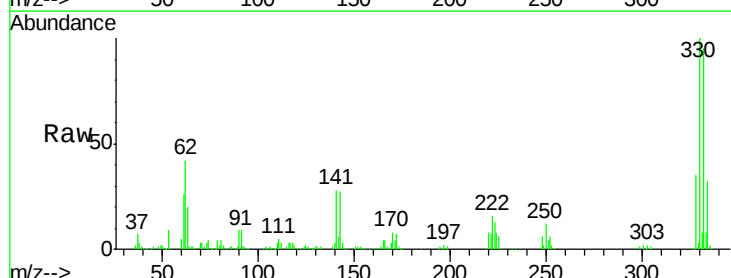
Tgt Ion:330 Resp: 468520

Ion Ratio Lower Upper

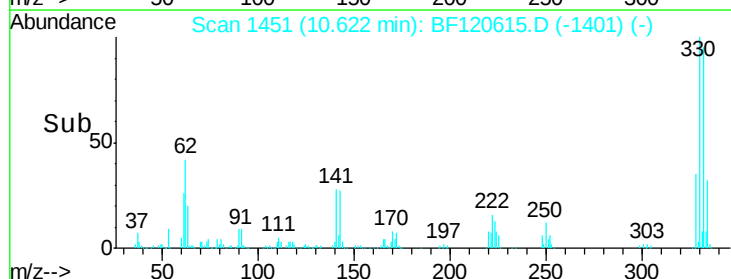
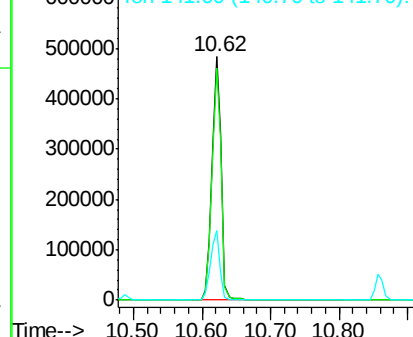
330 100

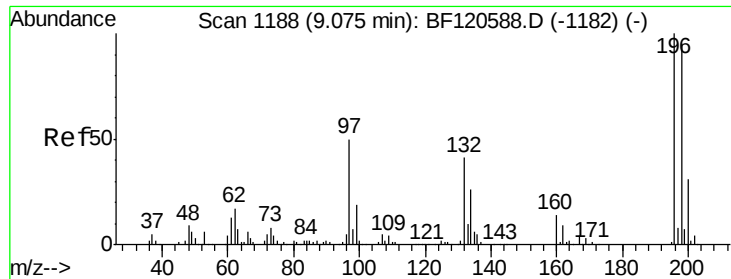
332 95.4 76.8 115.2

141 28.8 23.2 34.8



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

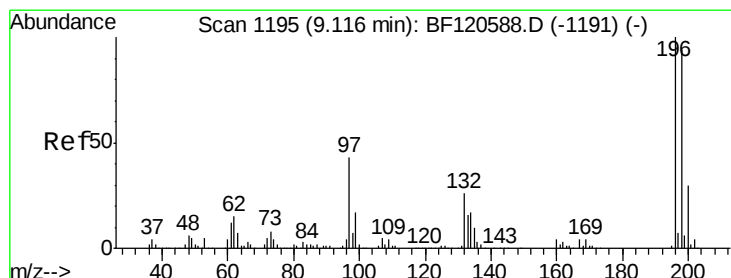
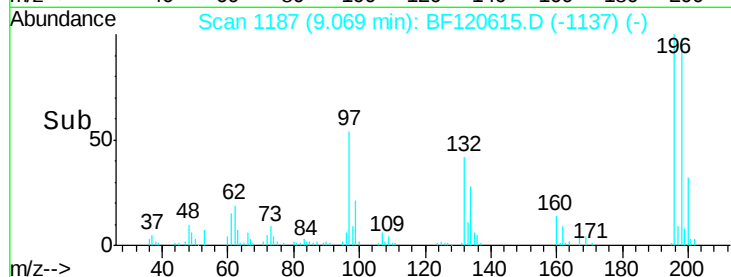
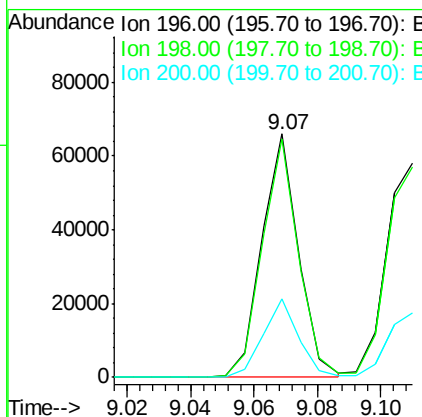
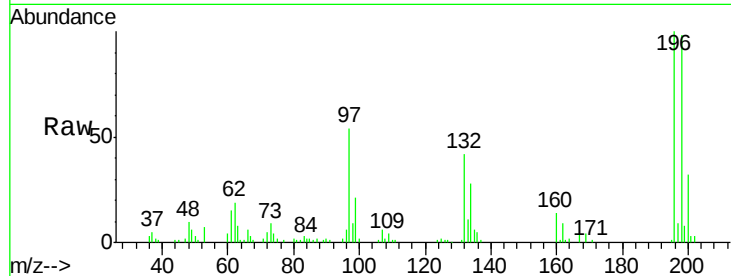




#43
 2,4,6-Trichlorophenol
 Concen: 8.833 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

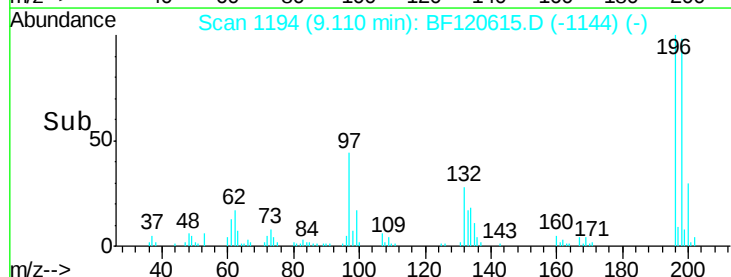
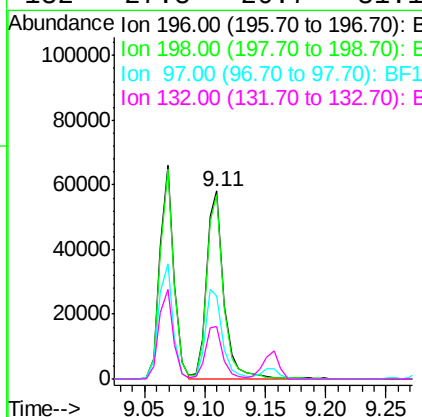
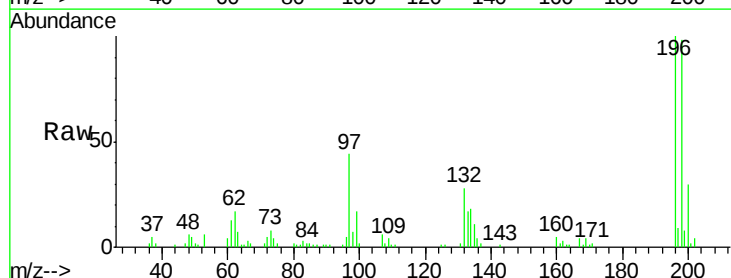
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

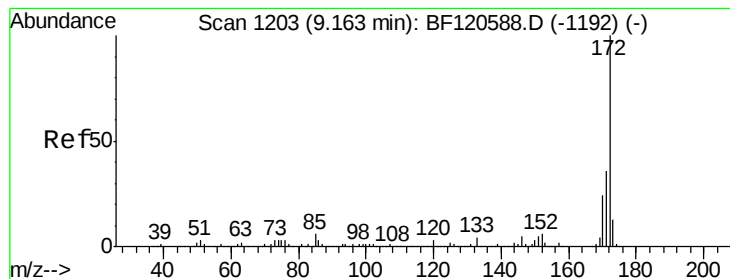
Tot Ion:196 Resp: 52857
 Ion Ratio Lower Upper
 196 100
 198 98.0 76.2 114.2
 200 32.3 24.6 37.0



#44
 2,4,5-Trichlorophenol
 Concen: 8.472 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion:196 Resp: 57516
 Ion Ratio Lower Upper
 196 100
 198 98.2 75.5 113.3
 97 44.4 34.4 51.6
 132 27.8 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 92.577 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

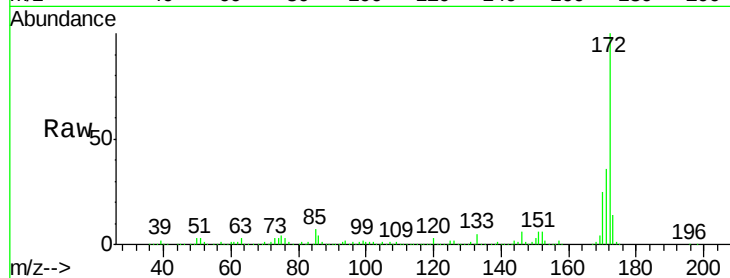
Tot Ion:172 Resp: 1709522

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

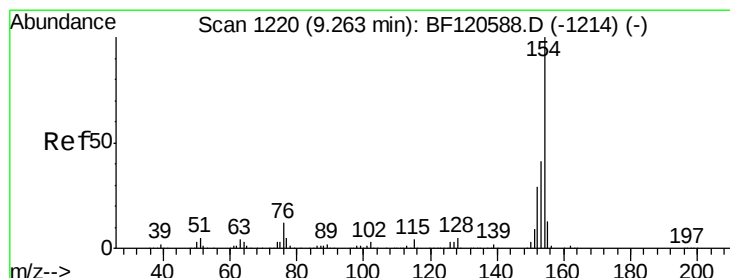
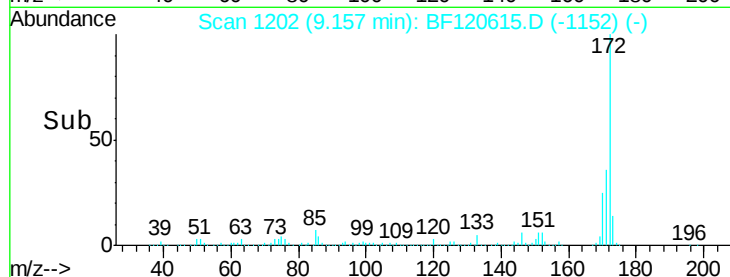
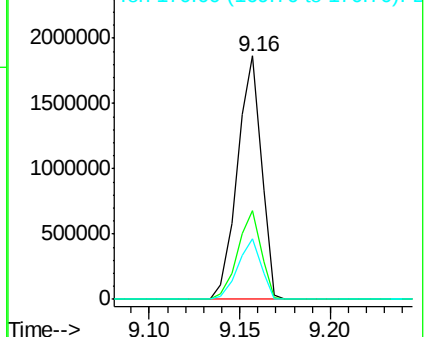
170 24.7 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46

1,1'-Biphenyl

Concen: 11.205 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

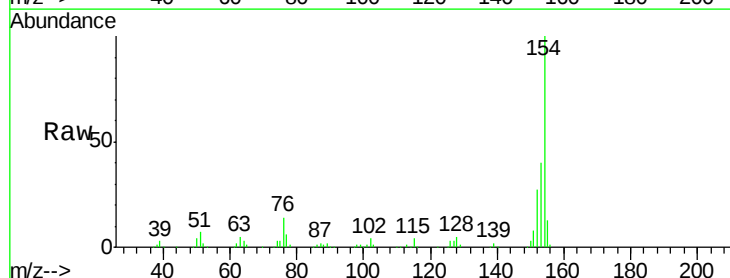
Tgt Ion:154 Resp: 236388

Ion Ratio Lower Upper

154 100

153 39.9 21.4 61.4

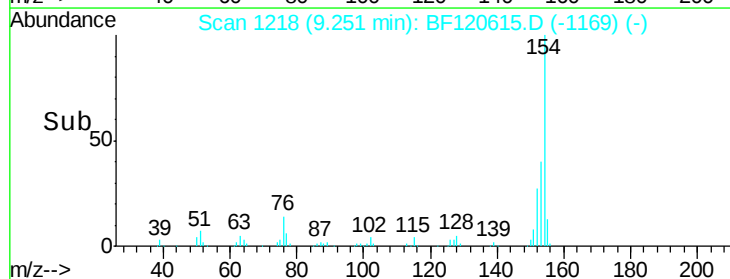
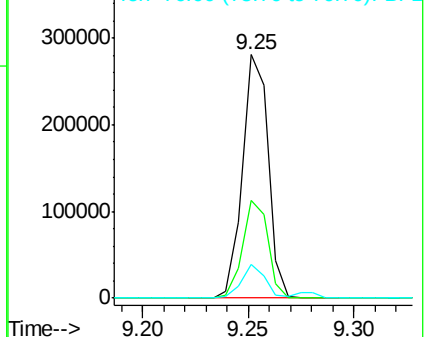
76 13.6 0.0 31.6

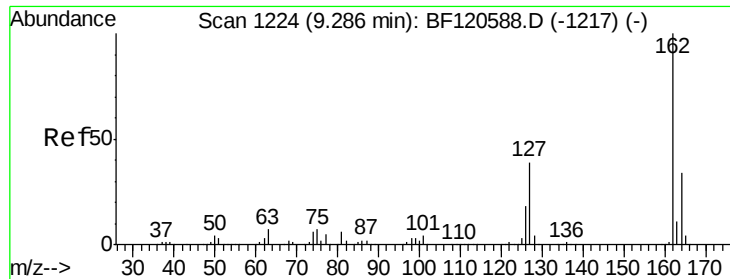


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

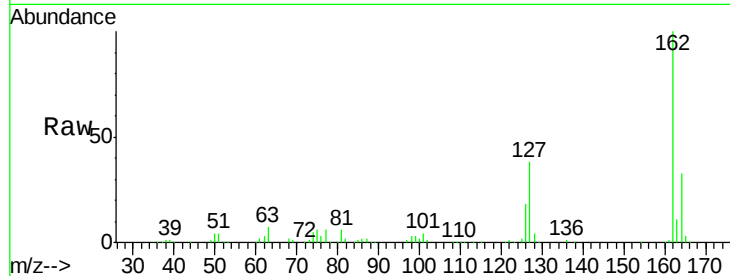




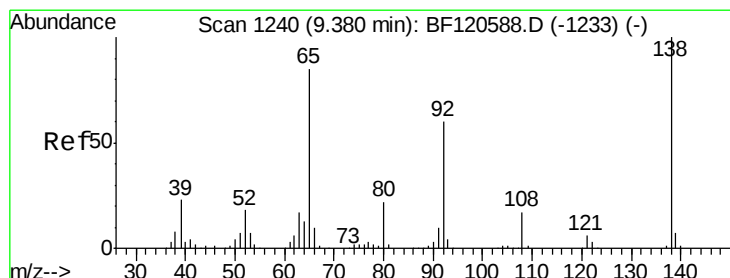
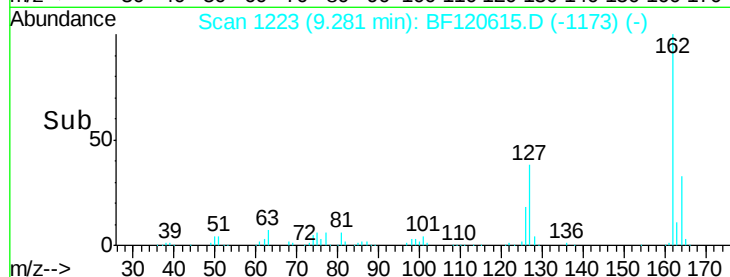
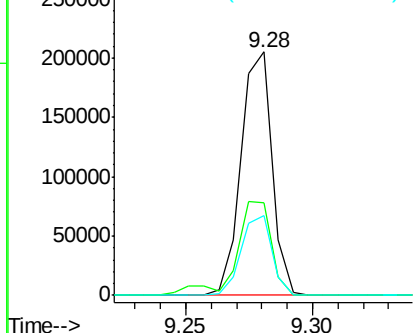
#47
 2-Chloronaphthalene
 Concen: 10.104 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:162 Resp: 174306
 Ion Ratio Lower Upper
 162 100
 127 37.9 31.3 46.9
 164 32.8 26.9 40.3

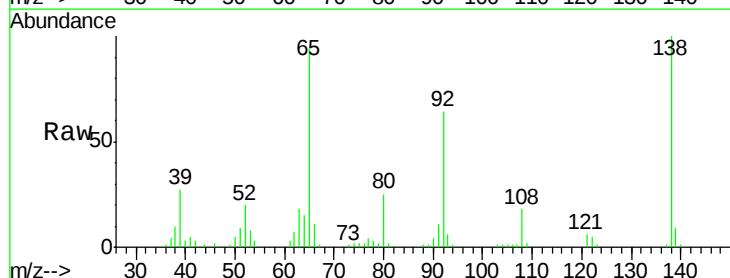


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

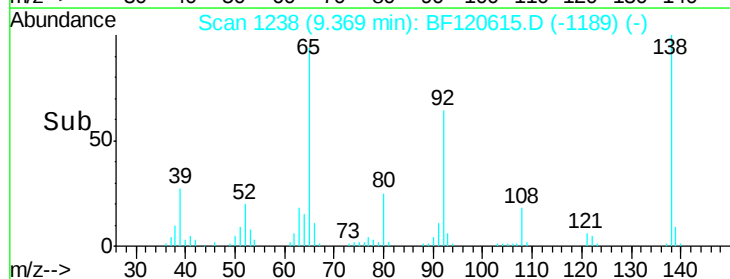
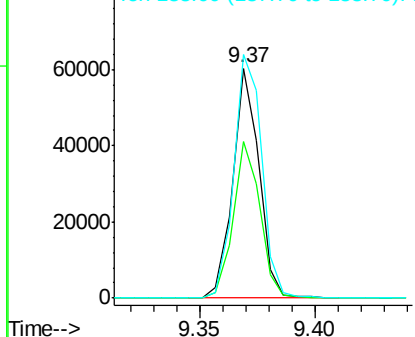


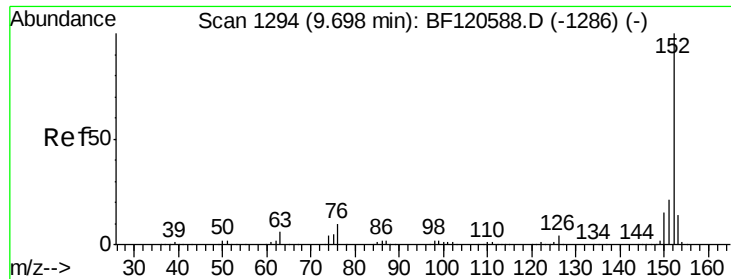
#48
 2-Nitroaniline
 Concen: 8.807 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion: 65 Resp: 47718
 Ion Ratio Lower Upper
 65 100
 92 68.0 56.0 84.0
 138 106.0 94.0 141.0



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





#49

Acenaphthylene

Concen: 10.704 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

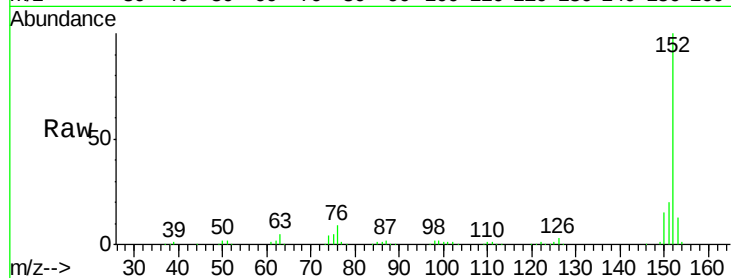
Tot Ion:152 Resp: 284991

Ion Ratio Lower Upper

152 100

151 19.9 16.6 25.0

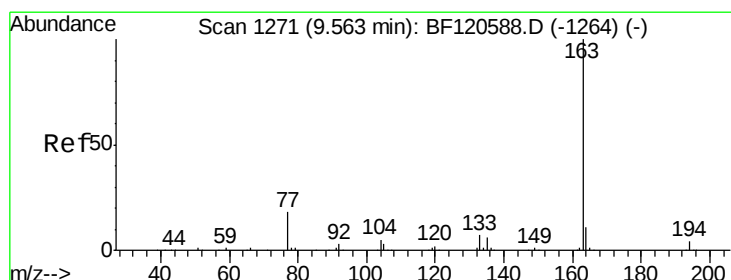
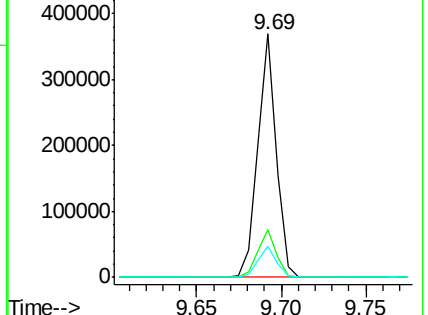
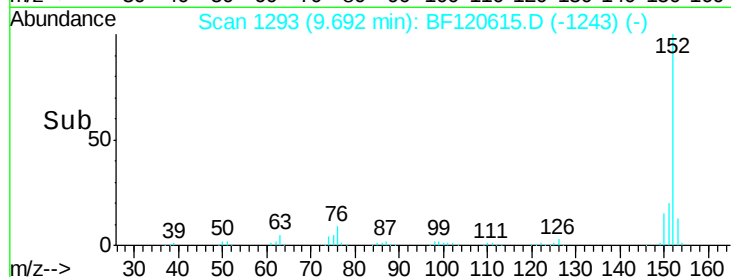
153 12.7 11.0 16.6



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: 9.633 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

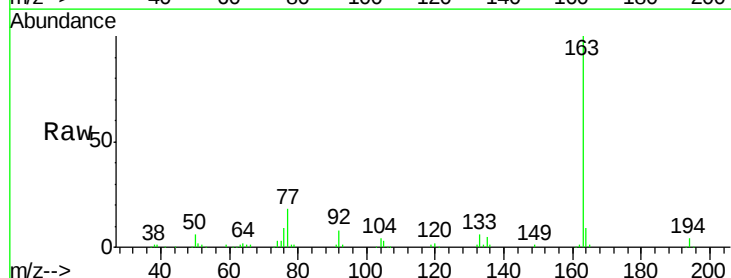
Tgt Ion:163 Resp: 196017

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

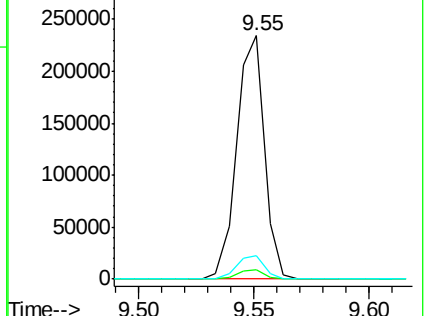
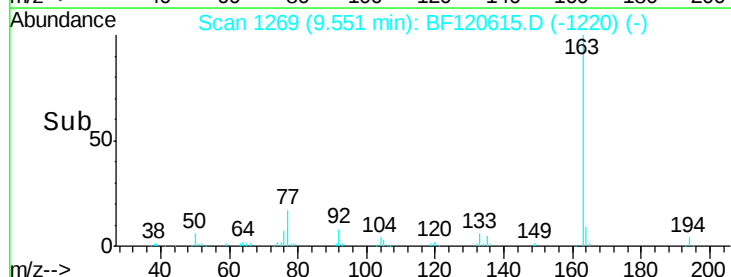
164 9.5 8.5 12.7

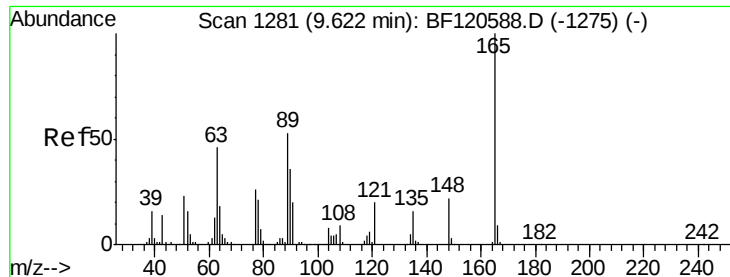


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 9.004 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

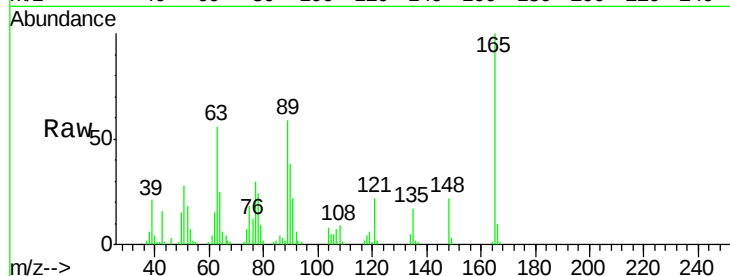
Tot Ion:165 Resp: 41520

Ion Ratio Lower Upper

165 100

63 56.2 41.7 62.5

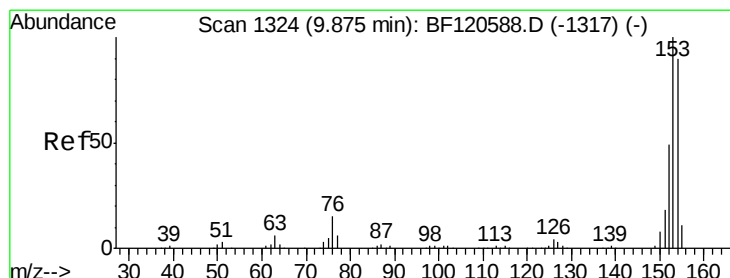
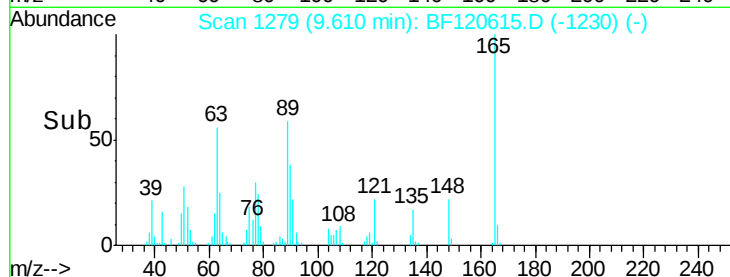
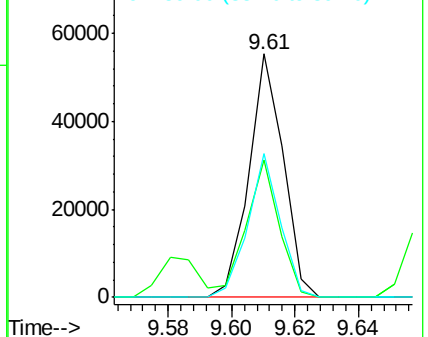
89 59.0 42.6 64.0



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: 10.990 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

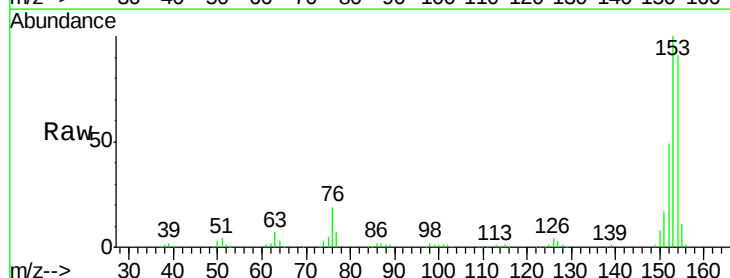
Tgt Ion:154 Resp: 174513

Ion Ratio Lower Upper

154 100

153 110.3 89.1 133.7

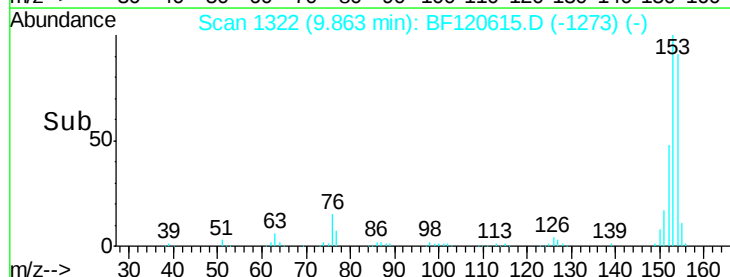
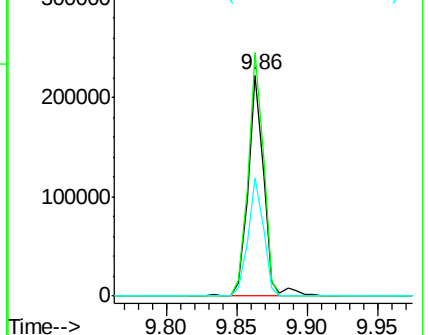
152 53.6 43.7 65.5

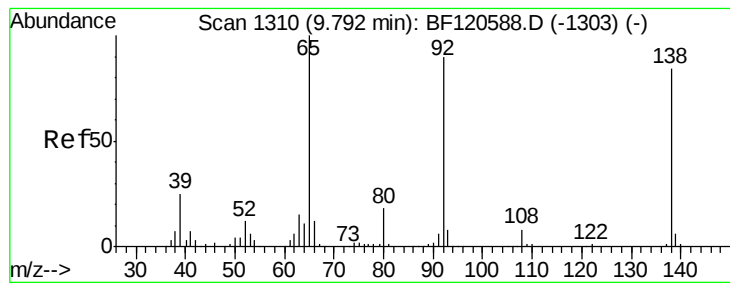


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 8.575 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

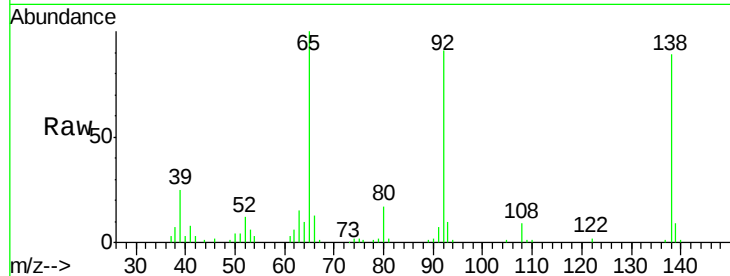
Tot Ion:138 Resp: 47494

Ion Ratio Lower Upper

138 100

108 10.2 8.0 12.0

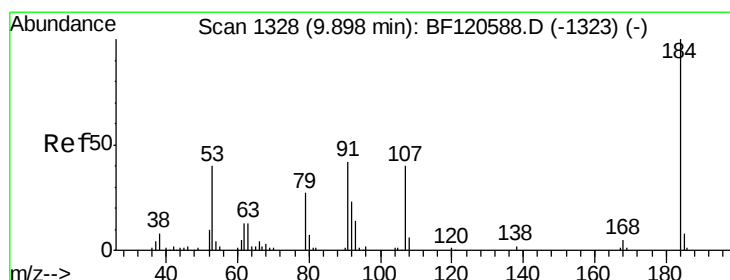
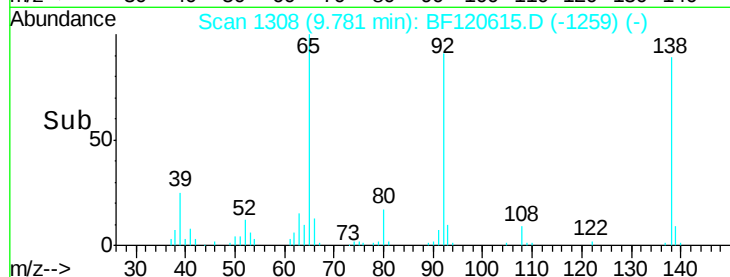
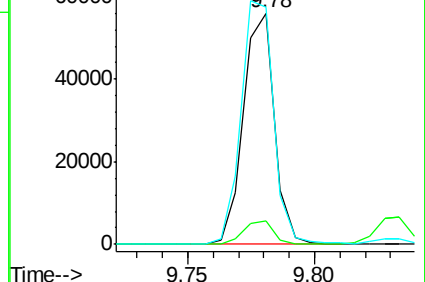
92 102.8 86.0 129.0



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: 5.111 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

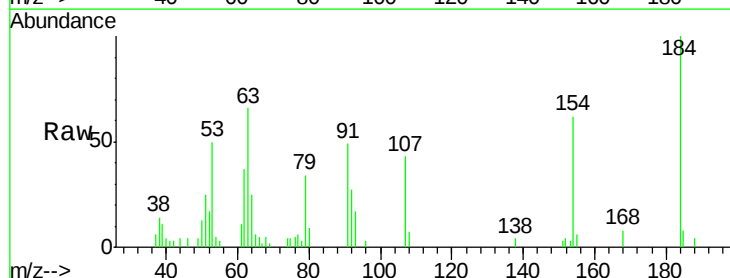
Tgt Ion:184 Resp: 12635

Ion Ratio Lower Upper

184 100

63 66.3 44.2 66.2#

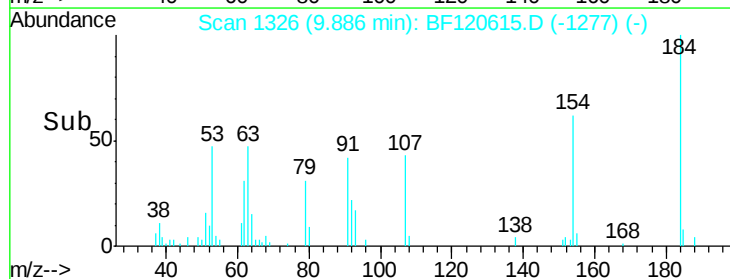
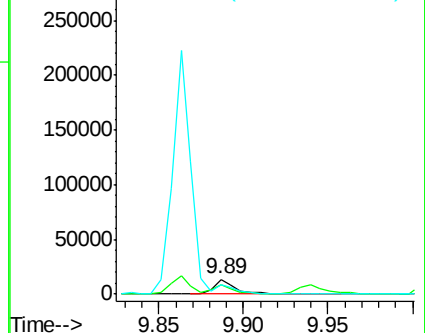
154 61.7 45.9 68.9

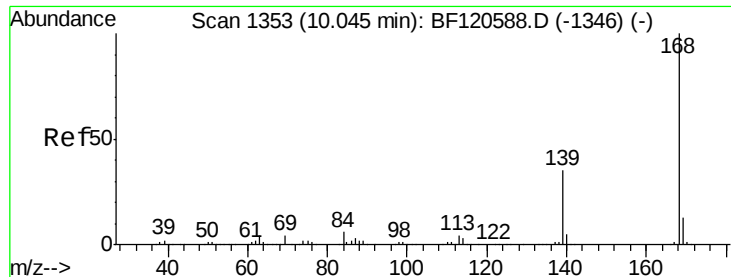


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

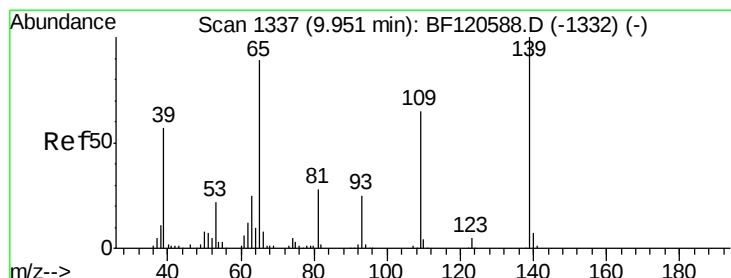
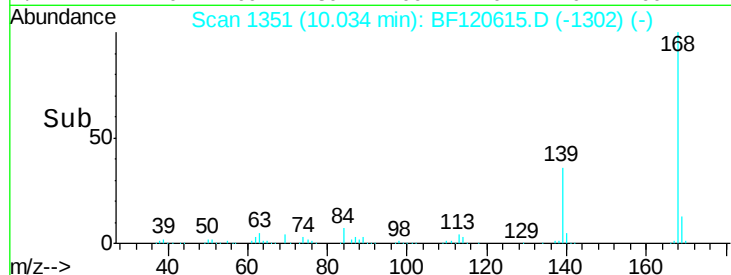
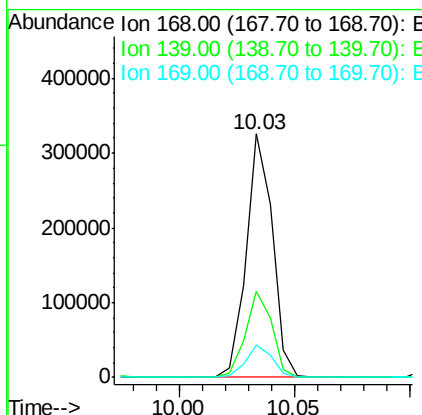
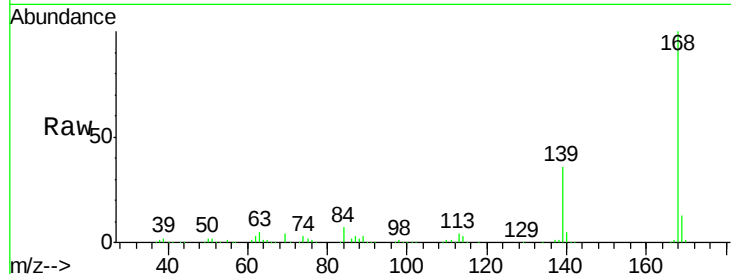




#55
Dibenzenofuran
Concen: 10.608 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

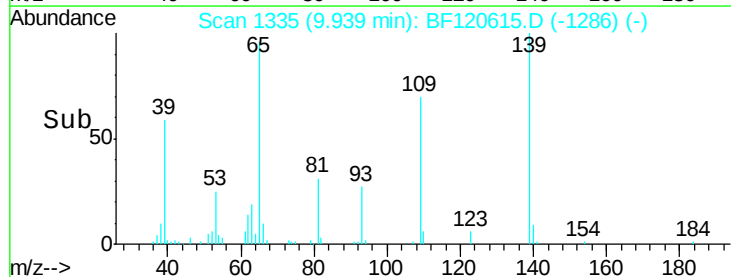
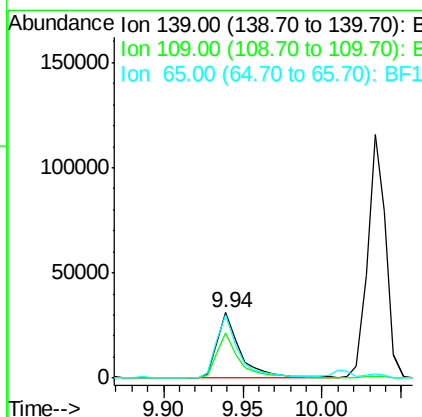
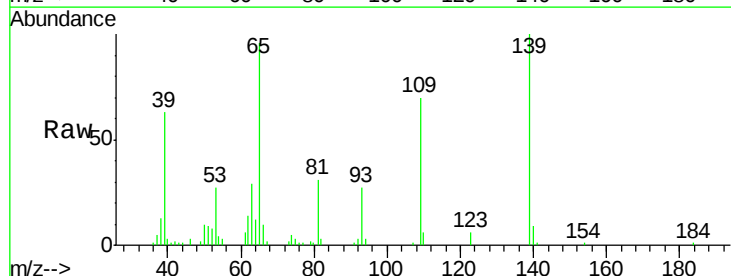
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

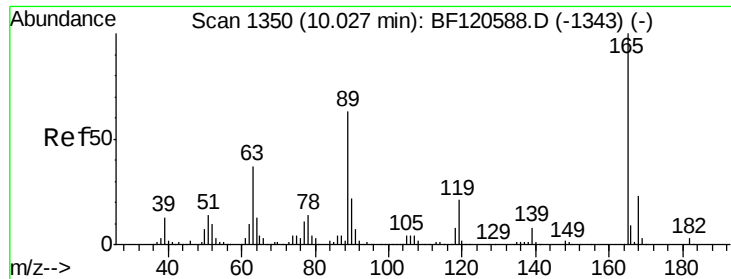
Tot Ion:168 Resp: 258286
Ion Ratio Lower Upper
168 100
139 35.5 28.1 42.1
169 13.2 10.6 16.0



#56
4-Nitrophenol
Concen: 7.662 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion:139 Resp: 31961
Ion Ratio Lower Upper
139 100
109 70.3 44.6 84.6
65 96.4 69.2 109.2

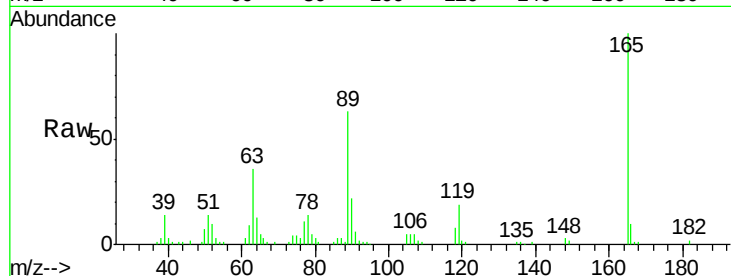




#57
2,4-Dinitrotoluene
Concen: 8.987 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:165	Resp:	54989
Ion Ratio	Lower	Upper
165	100	
63	36.0	29.8 44.8
89	62.9	50.4 75.6
182	2.3	2.1 3.1

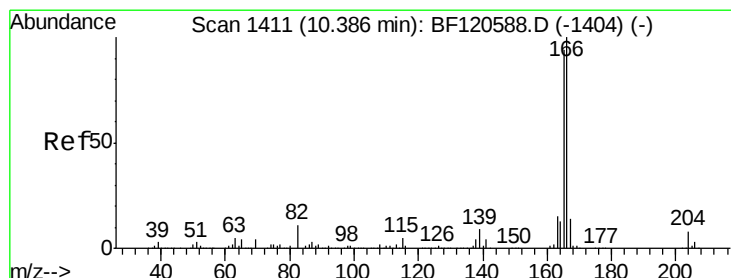
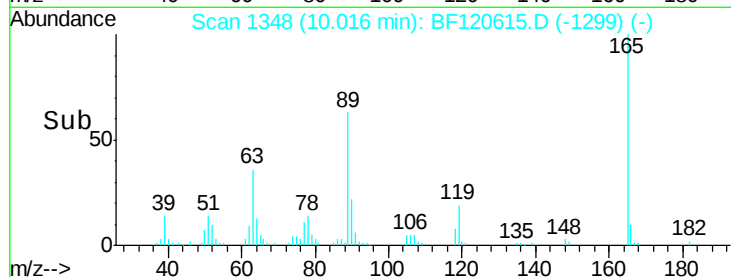
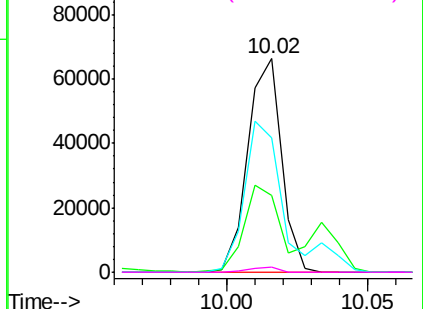


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

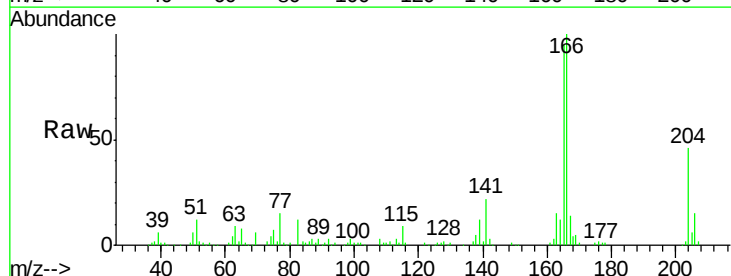
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 10.451 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

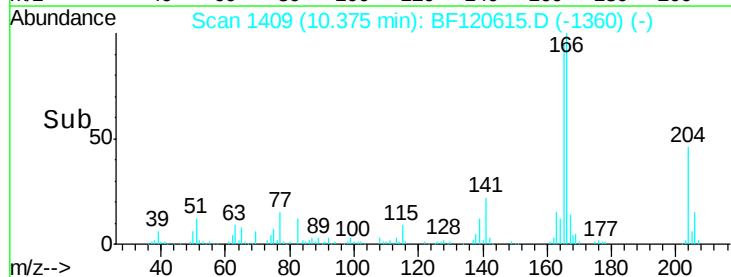
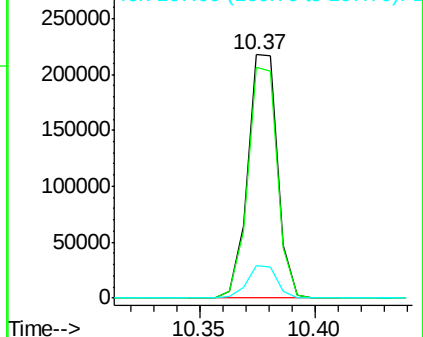
Tgt Ion:166	Resp:	196156
Ion Ratio	Lower	Upper
166	100	
165	94.7	75.0 112.6
167	13.6	11.0 16.4

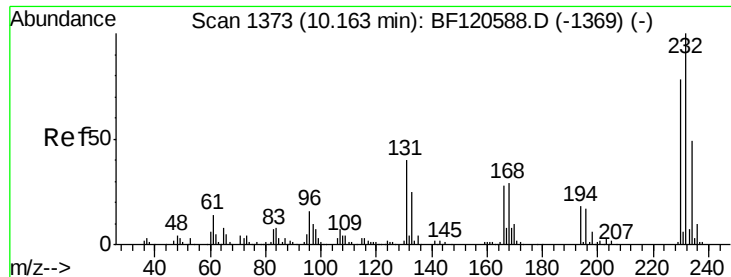


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

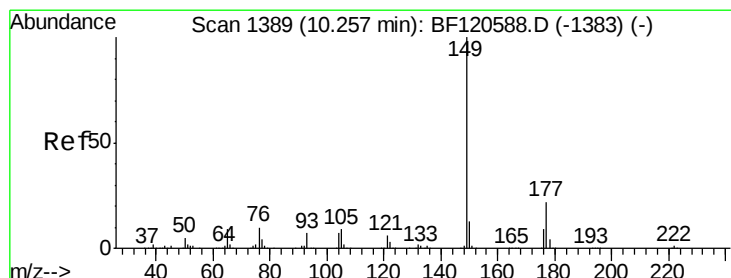
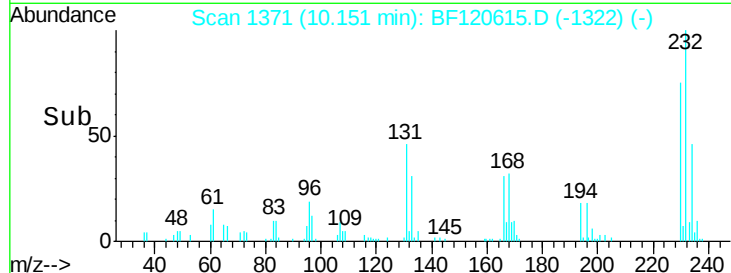
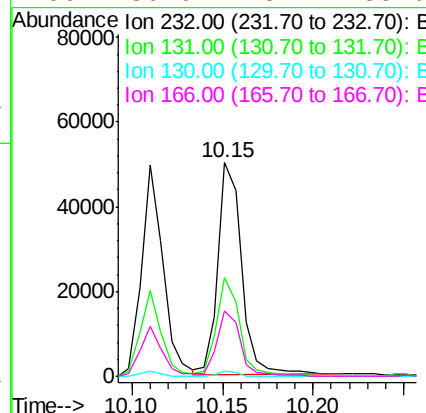
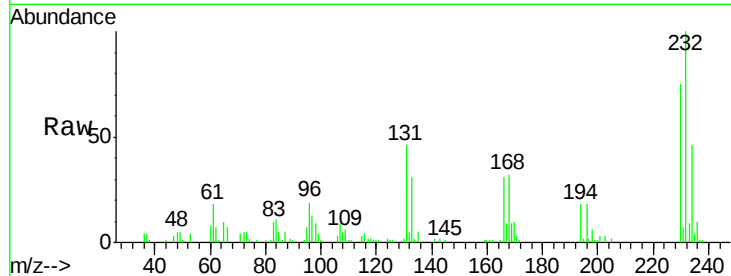




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.579 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

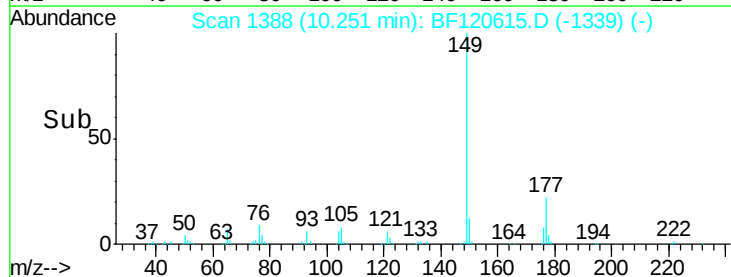
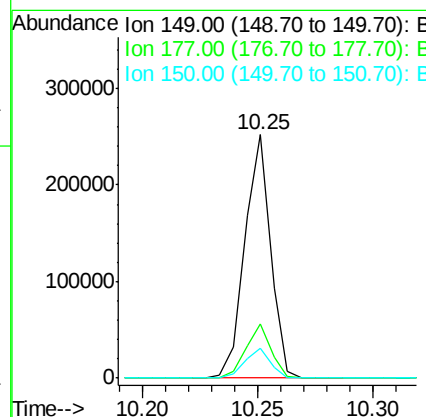
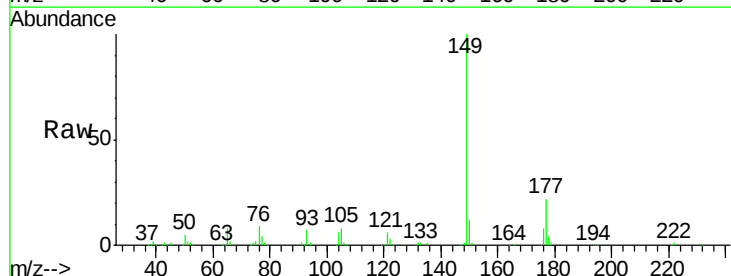
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

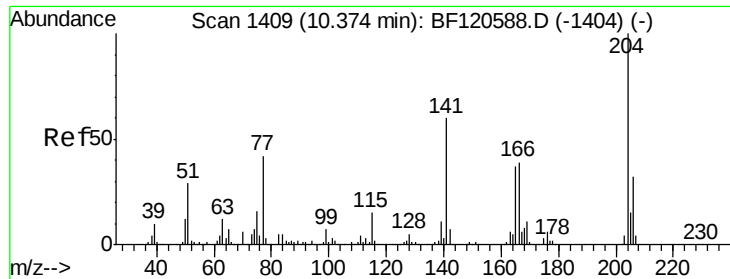
Tot Ion	Ratio	Lower	Upper
232	100		
131	45.7	33.5	50.3
130	1.9	1.5	2.3
166	30.9	23.4	35.0



#60
 Diethylphthalate
 Concen: 9.828 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.2	10.3	15.5

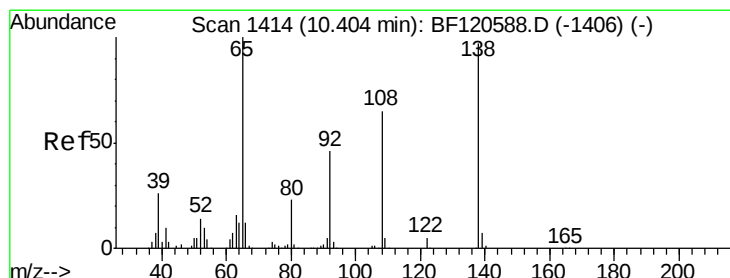
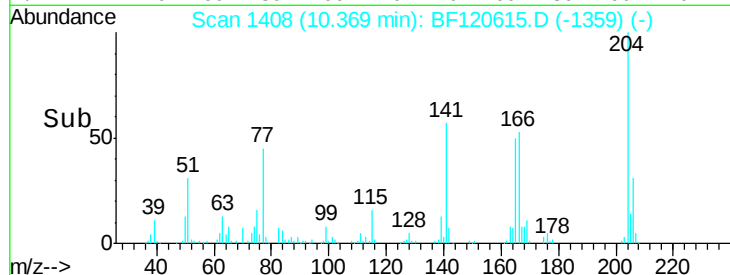
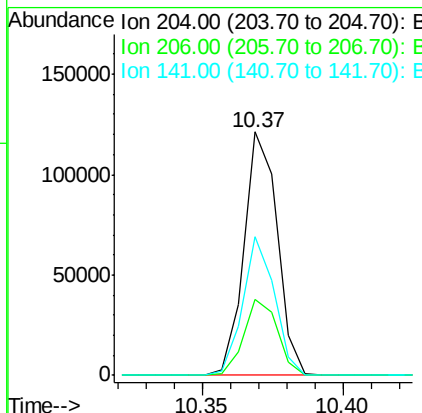
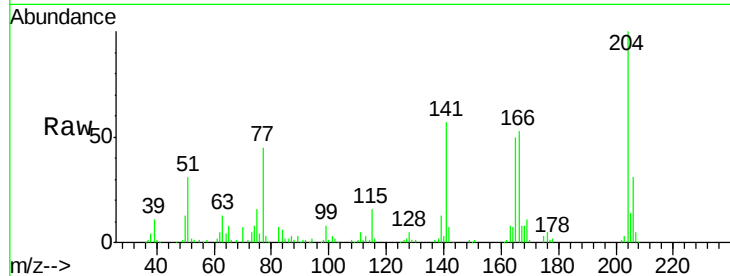




#61
4-Chlorophenyl-phenylether
Concen: 10.206 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

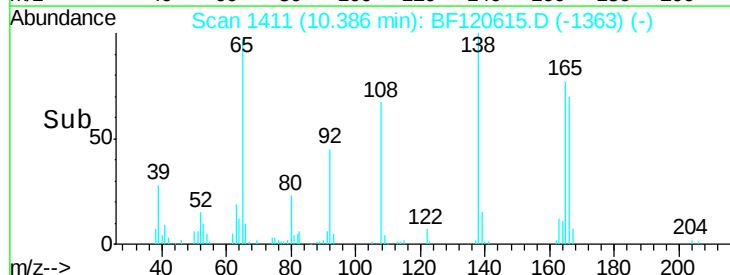
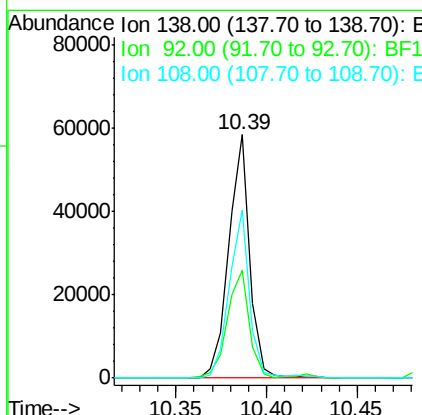
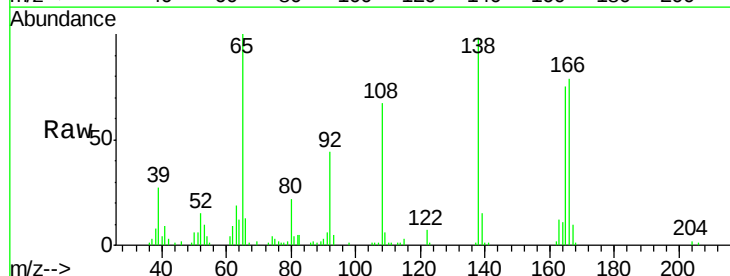
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

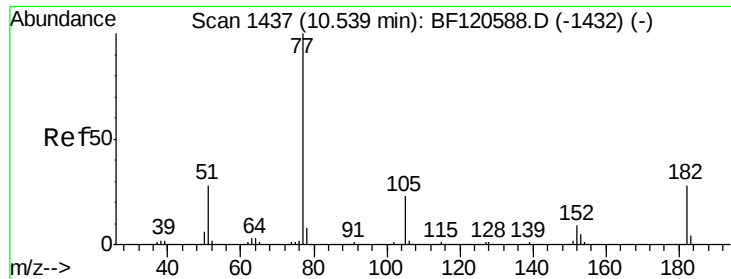
Tot Ion:204 Resp: 98920
Ion Ratio Lower Upper
204 100
206 31.3 25.9 38.9
141 57.2 47.6 71.4



#62
4-Nitroaniline
Concen: 8.578 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion:138 Resp: 47168
Ion Ratio Lower Upper
138 100
92 44.6 27.3 67.3
108 68.8 47.4 87.4

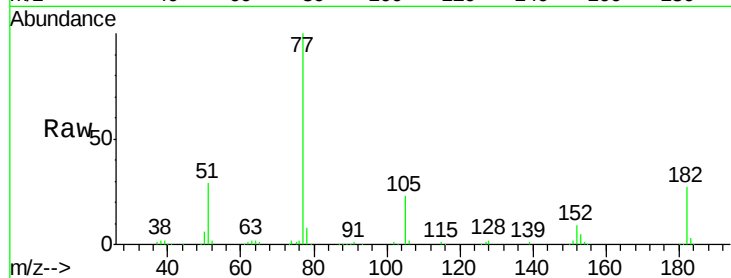




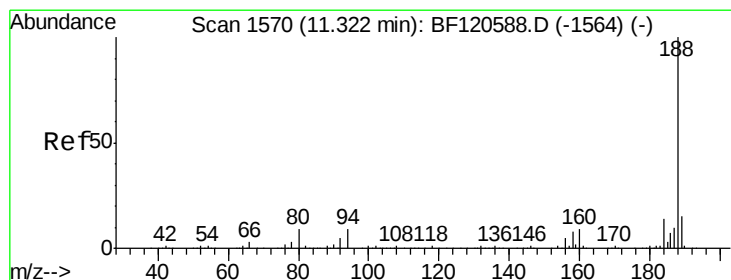
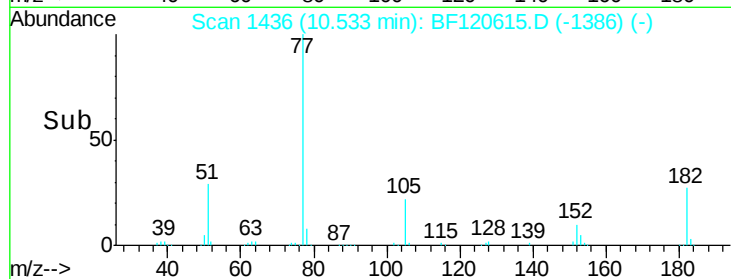
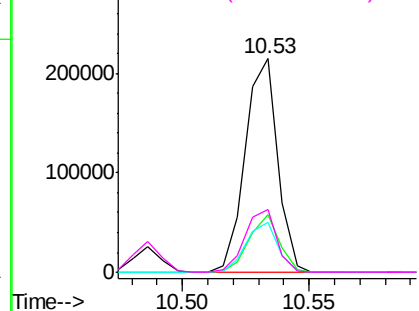
#63
Azobenzene
Concen: 10.478 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion: 77 Resp: 190609
Ion Ratio Lower Upper
77 100
182 26.9 7.7 47.7
105 23.4 3.2 43.2
51 29.4 8.5 48.5

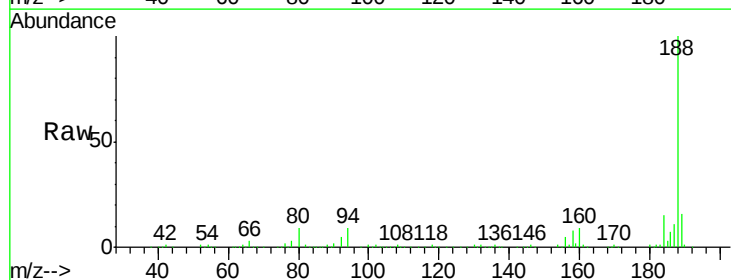


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 51.00 (50.70 to 51.70): BF1

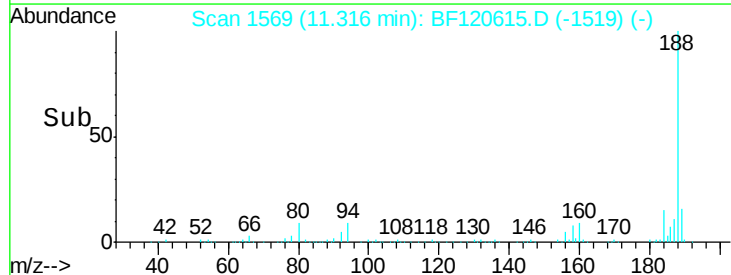
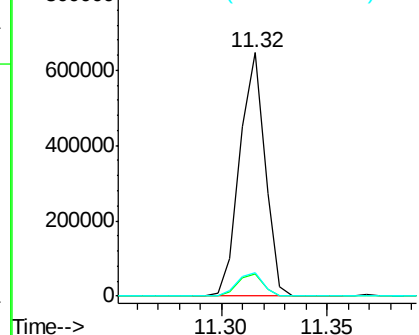


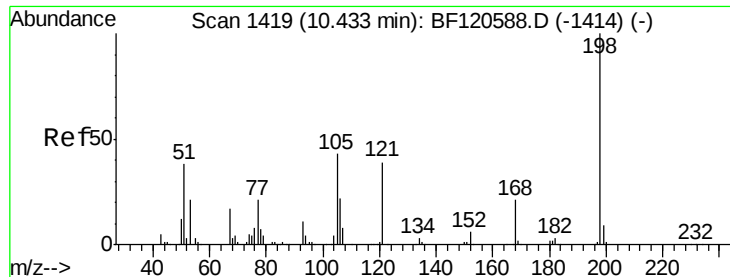
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion: 188 Resp: 533677
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.4 7.4 11.2



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

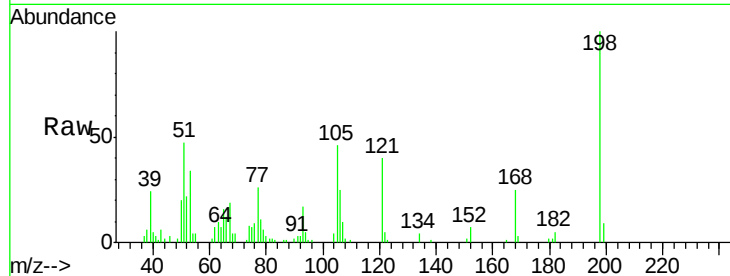




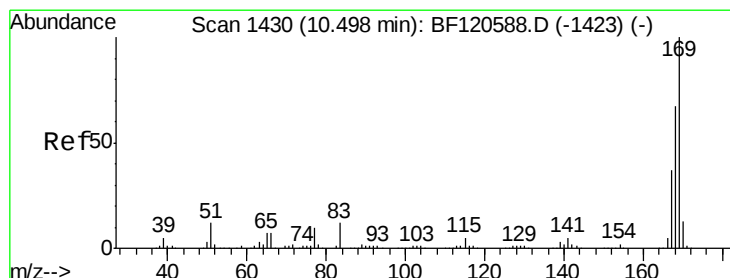
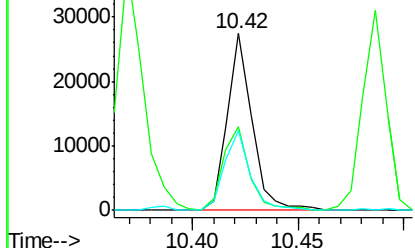
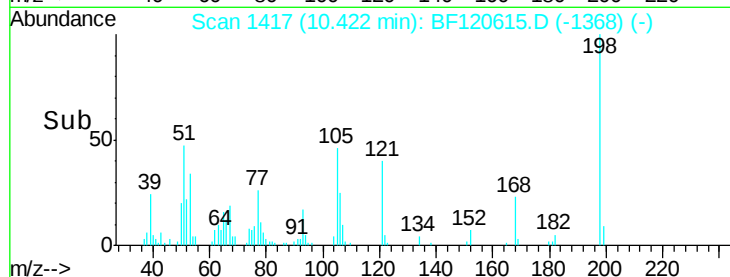
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.914 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:198 Resp: 22139
 Ion Ratio Lower Upper
 198 100
 51 47.2 24.8 64.8
 105 45.5 23.9 63.9

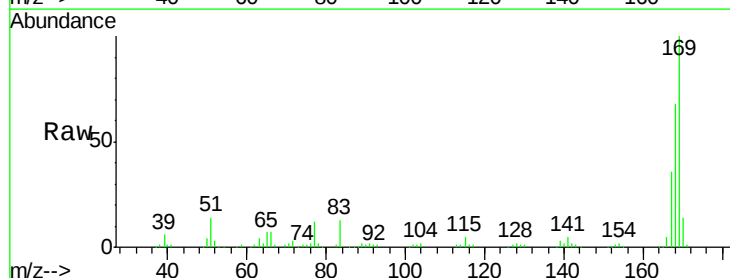


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

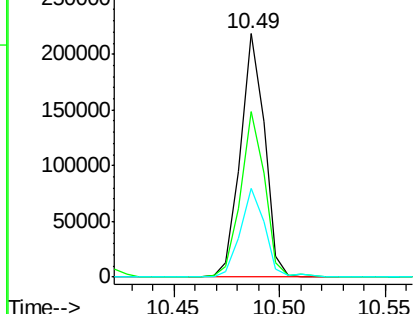
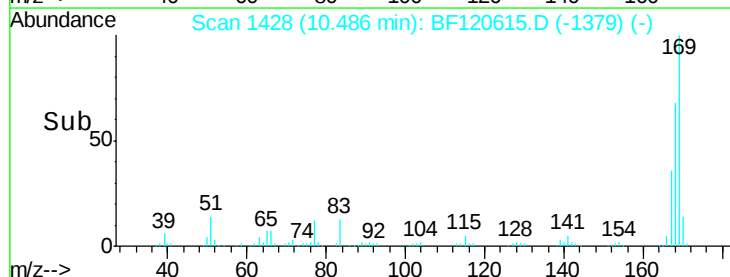


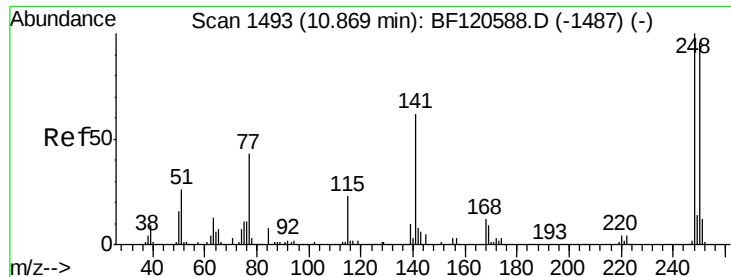
#66
 n-Nitrosodiphenylamine
 Concen: 10.523 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion:169 Resp: 172463
 Ion Ratio Lower Upper
 169 100
 168 68.2 53.7 80.5
 167 36.4 29.9 44.9



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

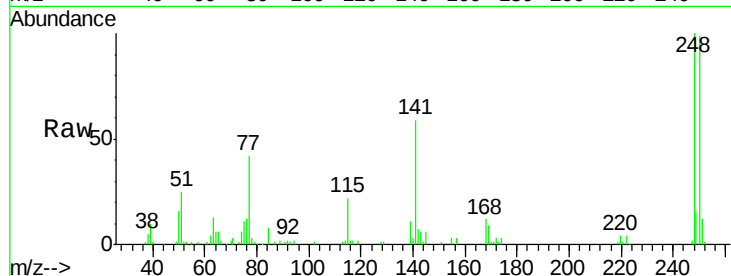




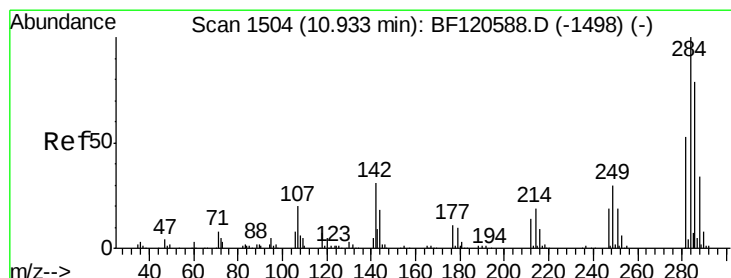
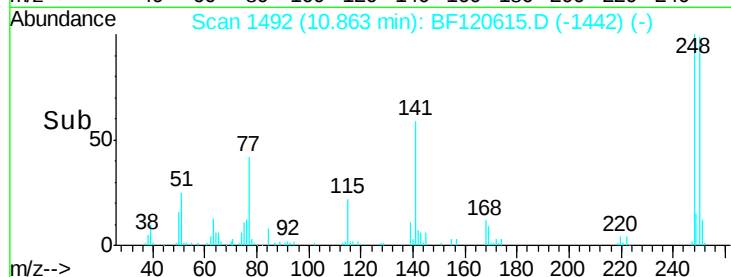
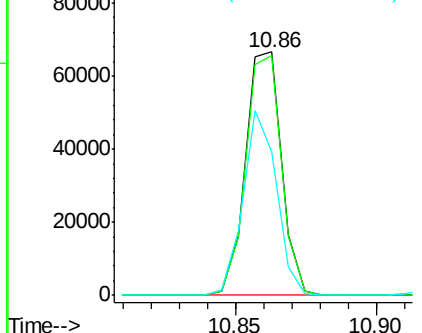
#67
 4-Bromophenyl-phenylether
 Concen: 9.733 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

Tot Ion:248 Resp: 58948
 Ion Ratio Lower Upper
 248 100
 250 98.5 76.7 115.1
 141 59.1 49.4 74.0

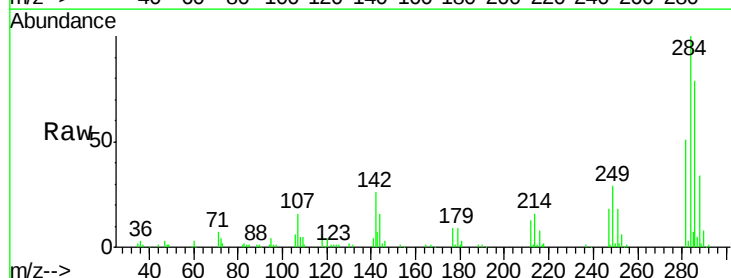


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

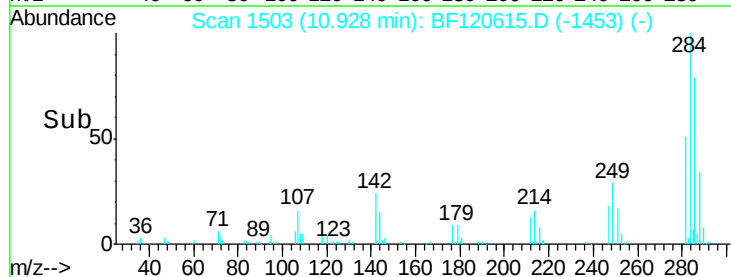
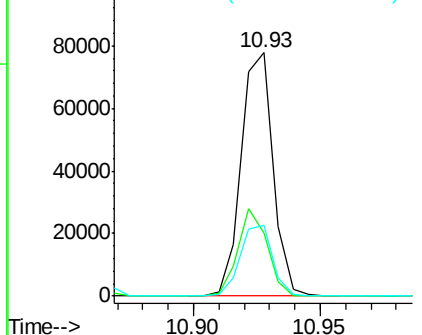


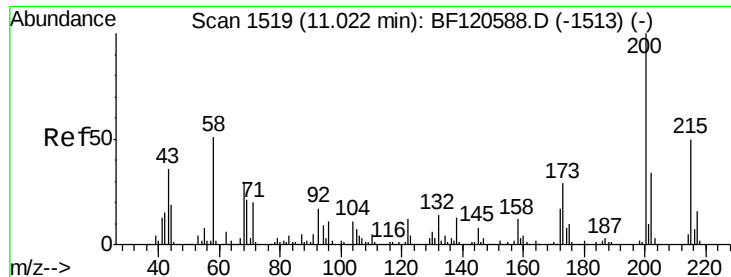
#68
 Hexachlorobenzene
 Concen: 10.424 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion:284 Resp: 67881
 Ion Ratio Lower Upper
 284 100
 142 25.9 25.1 37.7
 249 29.2 24.0 36.0



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 10.760 ng

RT: 11.01 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

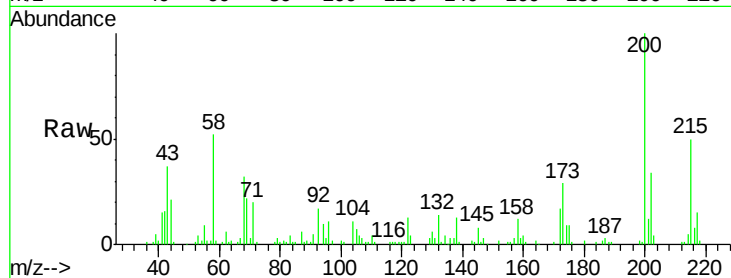
Tot Ion:200 Resp: 54571

Ion Ratio Lower Upper

200 100

173 29.4 9.1 49.1

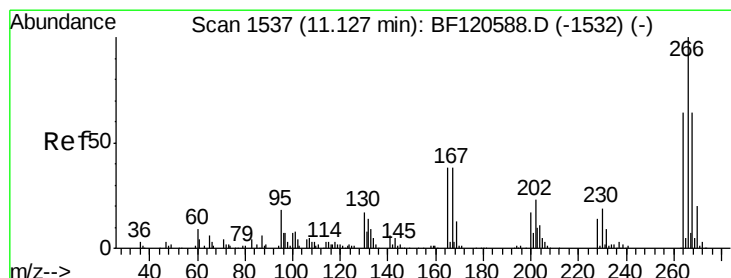
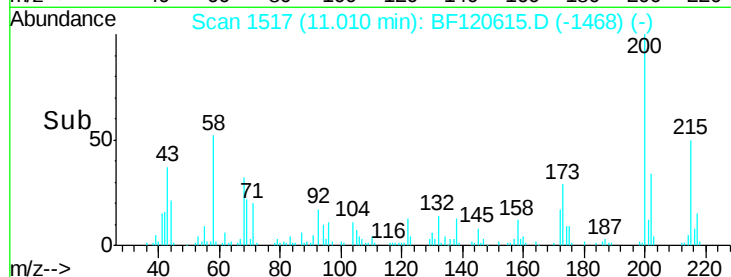
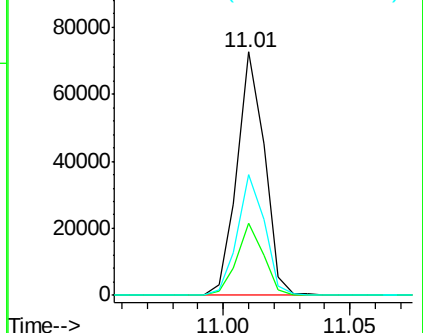
215 49.6 29.8 69.8



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 6.675 ng

RT: 11.12 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

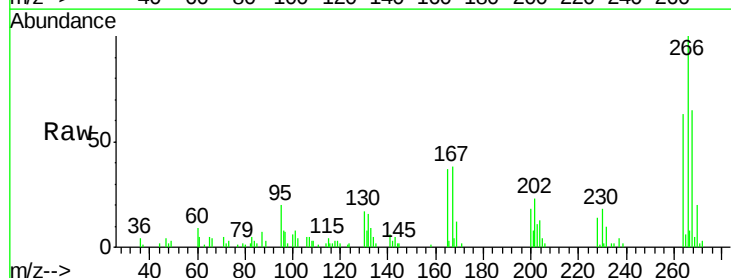
Tgt Ion:266 Resp: 24168

Ion Ratio Lower Upper

266 100

268 65.2 51.4 77.0

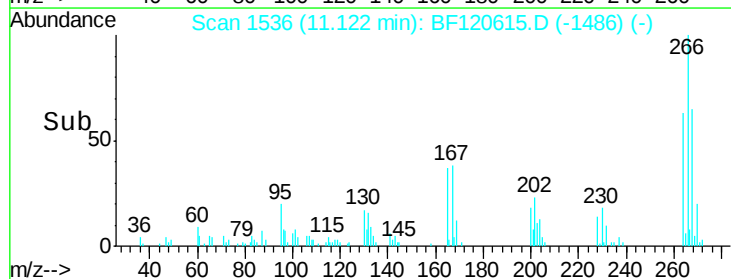
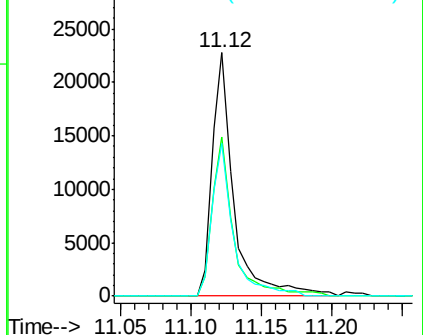
264 62.6 50.8 76.2

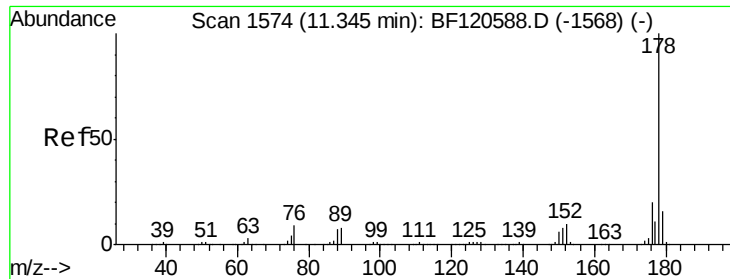


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

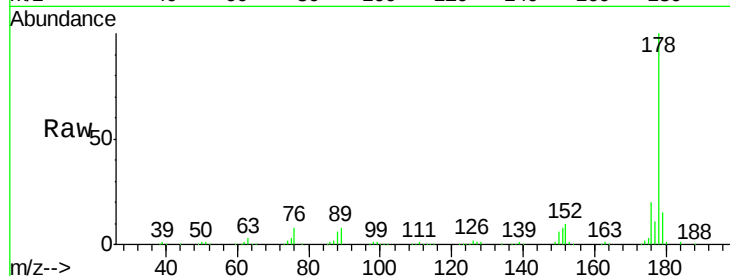




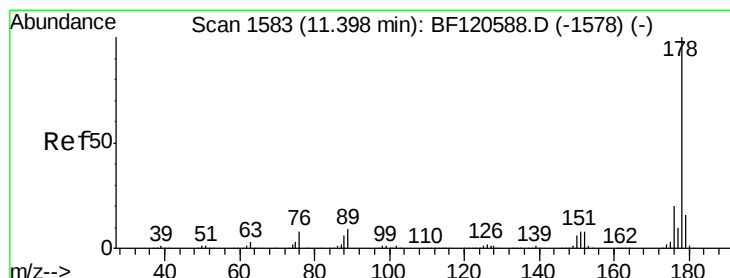
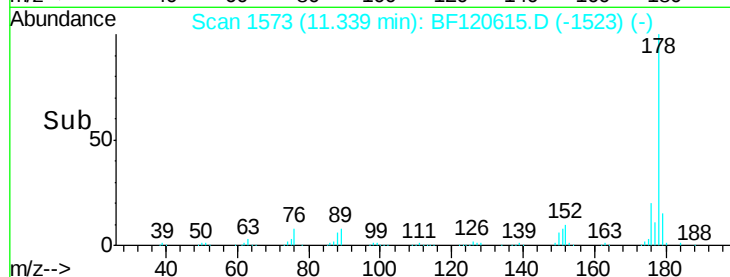
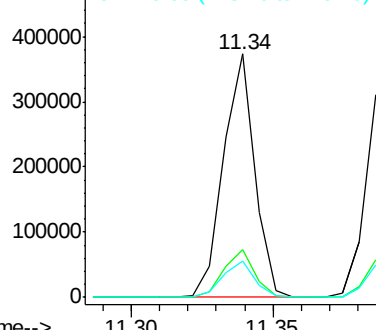
#71
Phenanthrene
Concen: 10.802 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:178 Resp: 286568
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 14.8 12.8 19.2

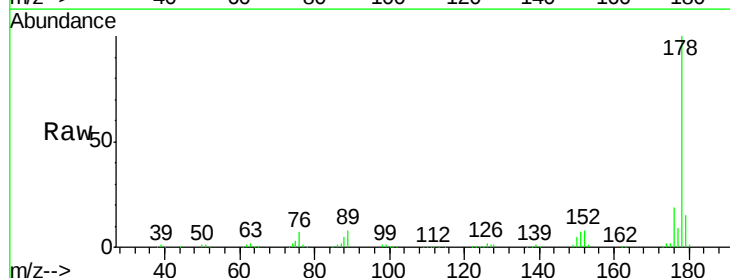


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

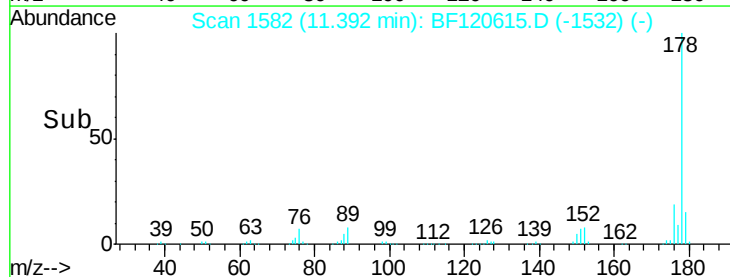
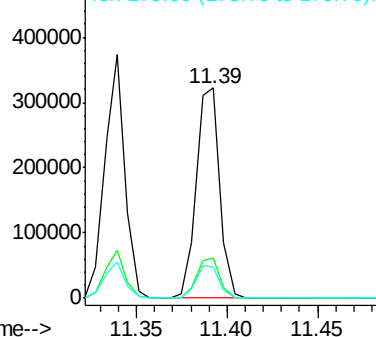


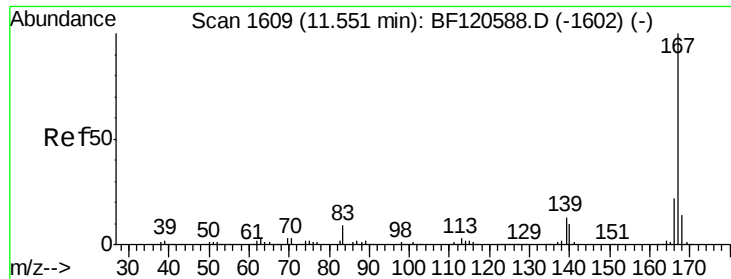
#72
Anthracene
Concen: 10.826 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion:178 Resp: 289490
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.9 12.9 19.3



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

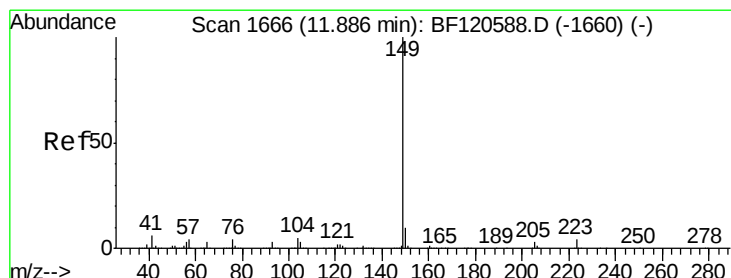
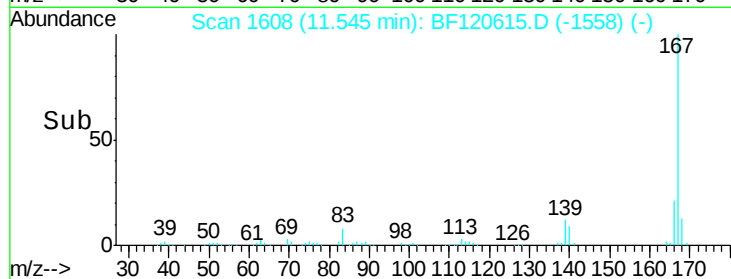
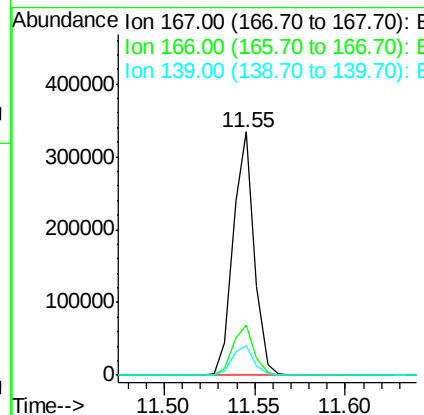
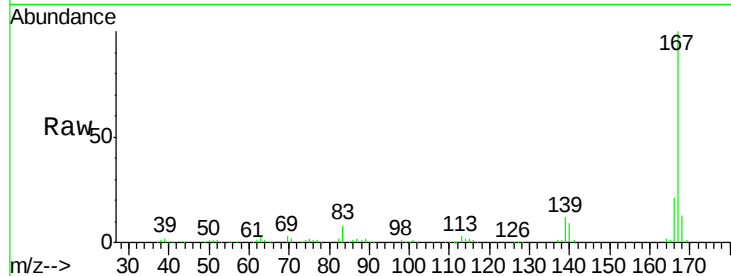




#73
 Carbazole
 Concen: 10.209 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

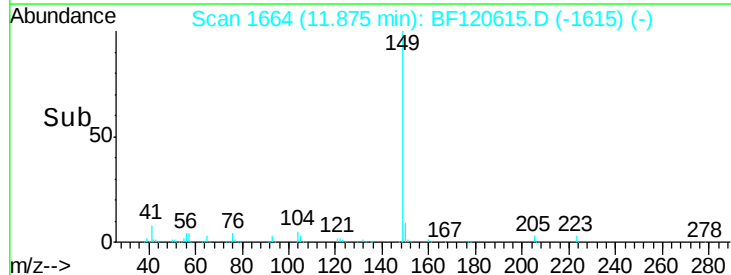
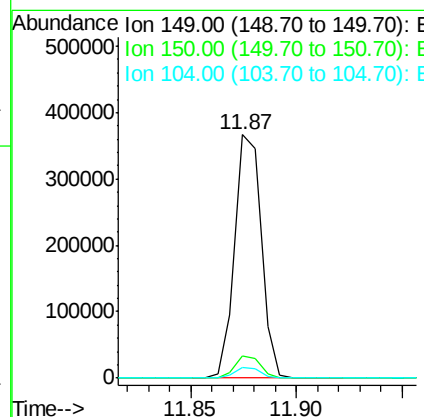
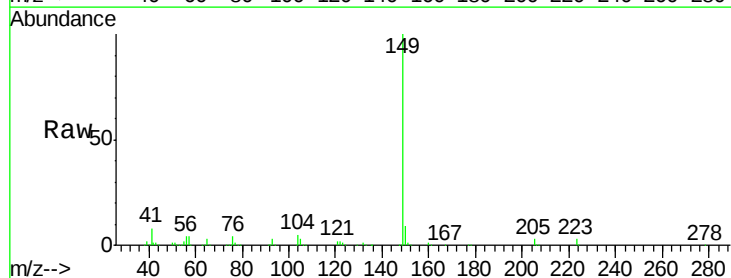
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

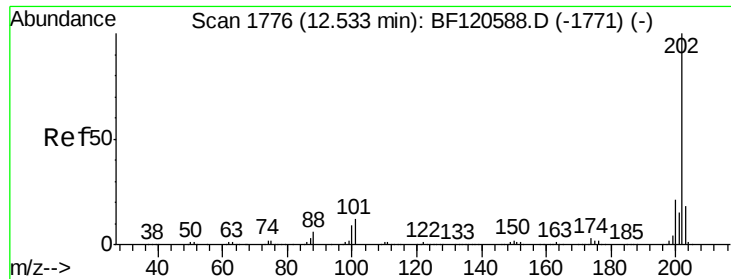
Tot Ion:167 Resp: 270235
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.2 25.8
 139 12.0 10.1 15.1



#74
 Di-n-butylphthalate
 Concen: 10.672 ng
 RT: 11.87 min Scan# 1664
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion:149 Resp: 317584
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.7 11.5
 104 4.5 3.7 5.5

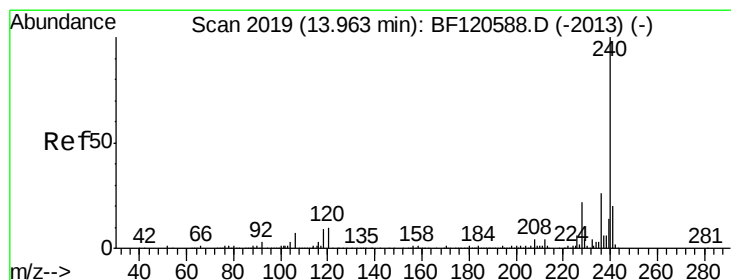
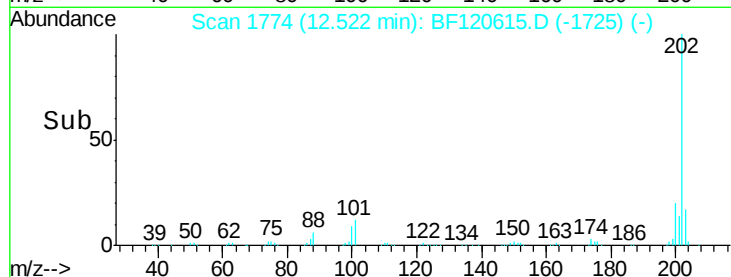
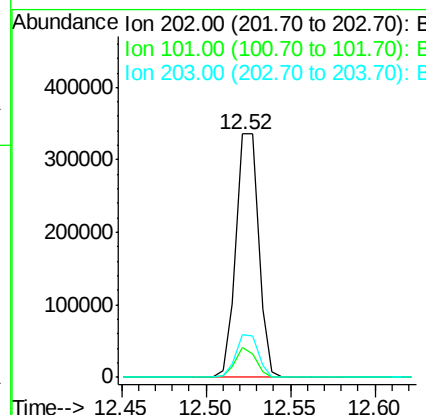
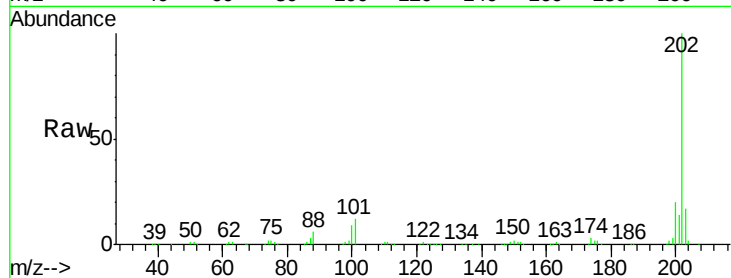




#75
Fluoranthene
Concen: 10.315 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

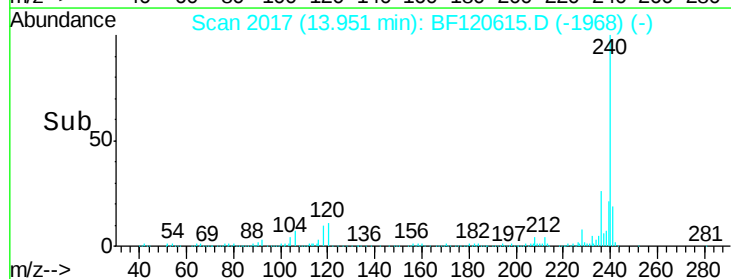
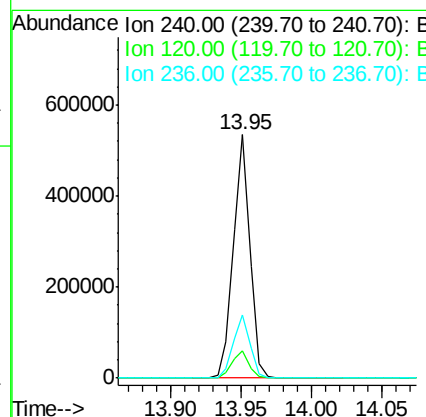
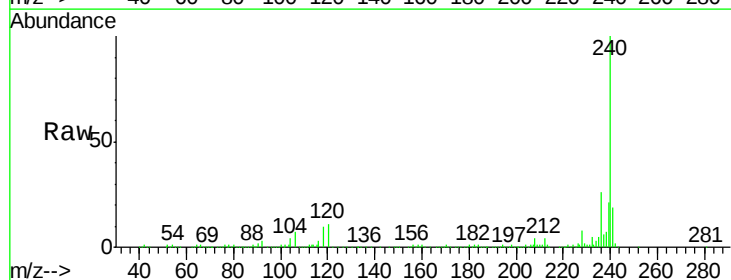
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

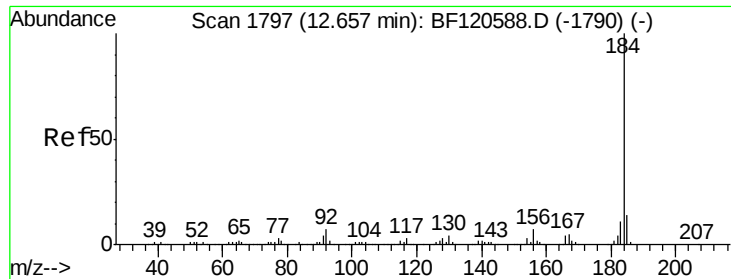
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.0
203	17.4	0.0	38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.3	12.5
236	26.2	21.0	31.4





#77

Benzidine

Concen: 11.350 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

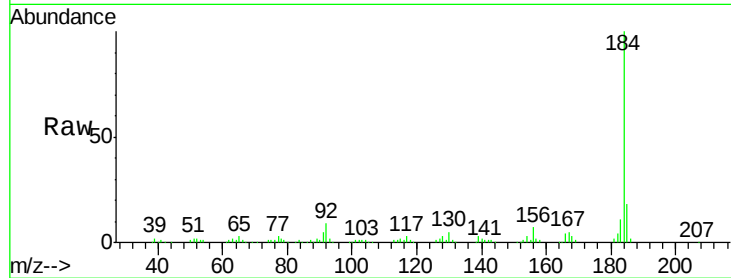
Tot Ion:184 Resp: 167435

Ion Ratio Lower Upper

184 100

185 17.9 11.4 17.0#

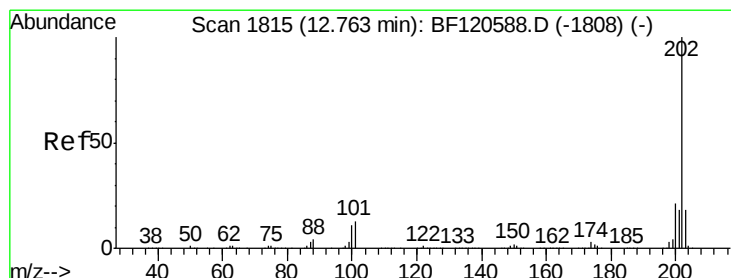
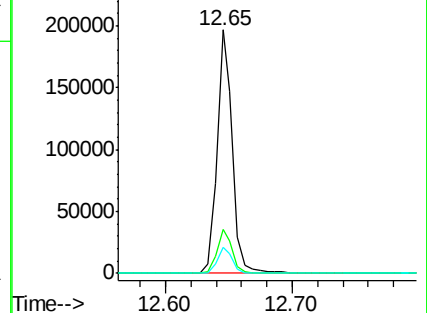
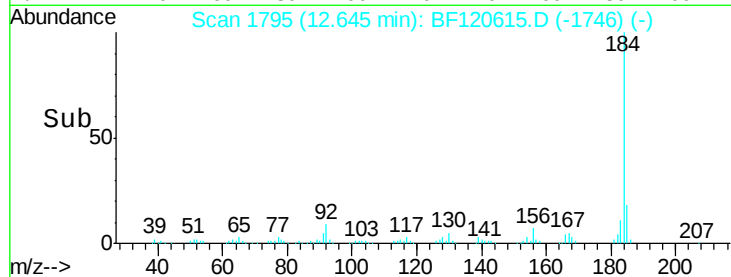
183 10.8 9.0 13.6



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: 10.423 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

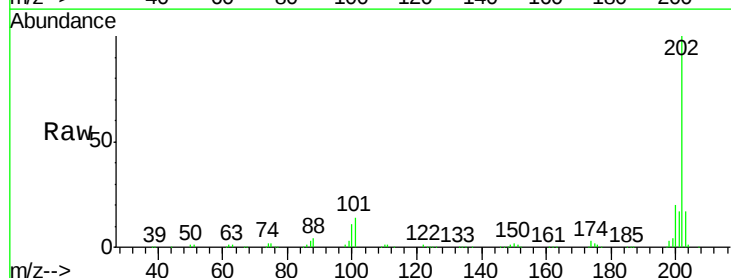
Tgt Ion:202 Resp: 322090

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

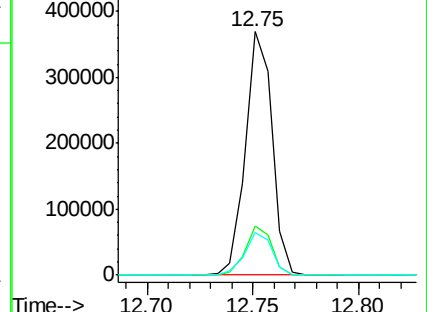
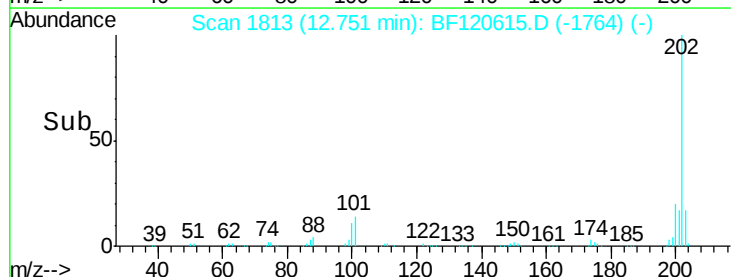
203 17.4 14.3 21.5

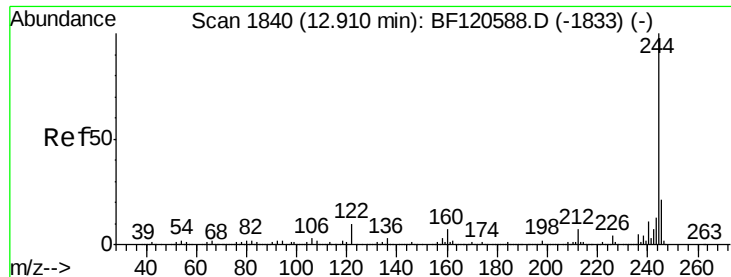


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 100.538 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

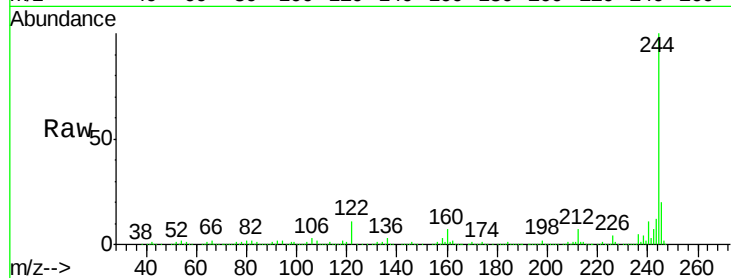
BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

Tot Ion:244 Resp: 1985417

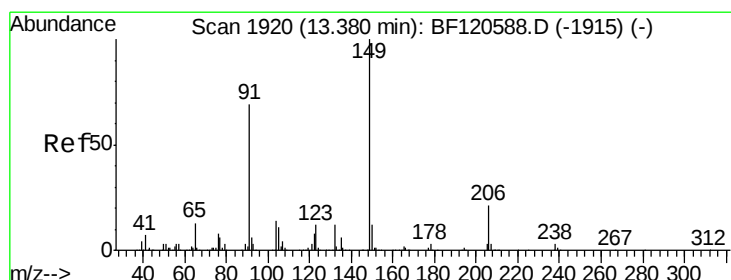
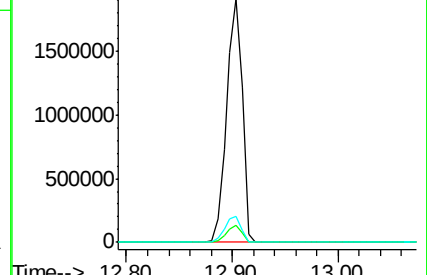
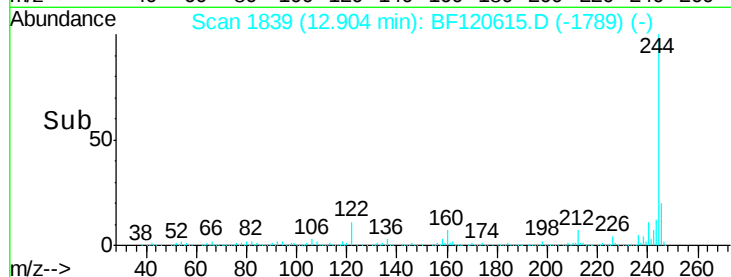
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.8	8.3	12.5



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: 9.202 ng

RT: 13.37 min Scan# 1919

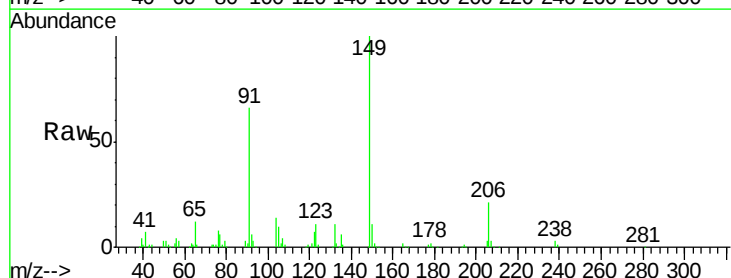
Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Tgt Ion:149 Resp: 126264

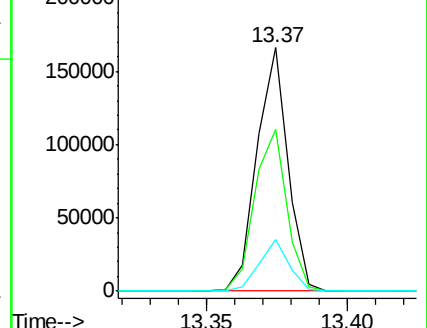
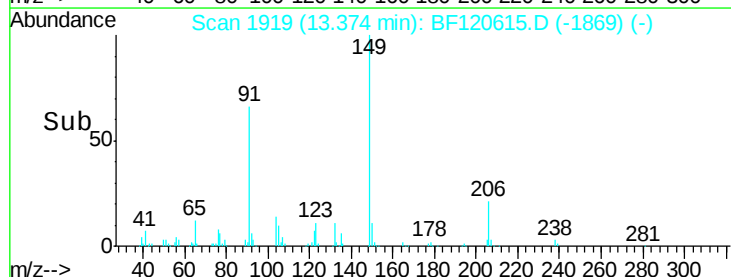
Ion	Ratio	Lower	Upper
149	100		
91	66.2	55.4	83.0
206	21.0	17.0	25.4

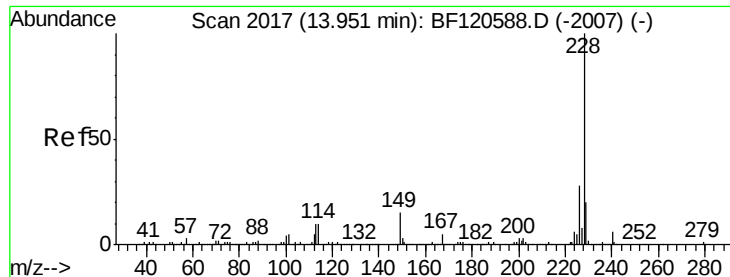


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 11.136 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

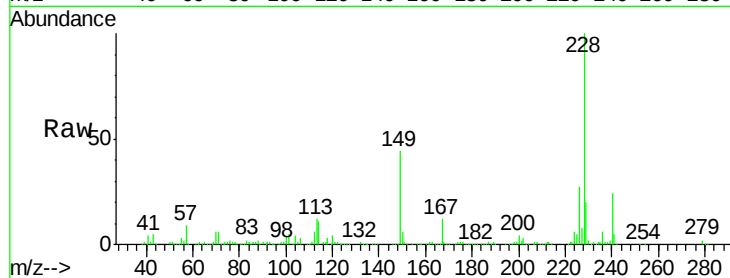
Tot Ion:228 Resp: 291829

Ion Ratio Lower Upper

228 100

226 27.0 22.5 33.7

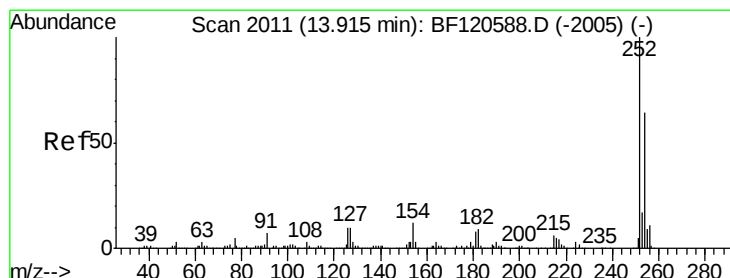
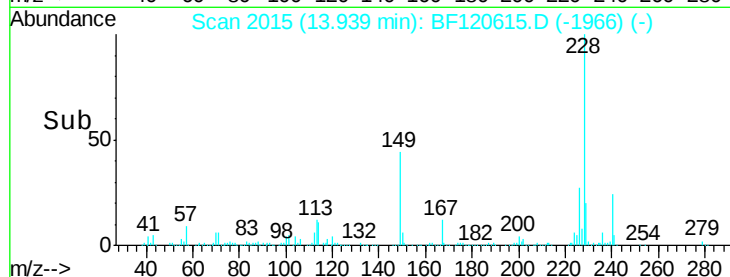
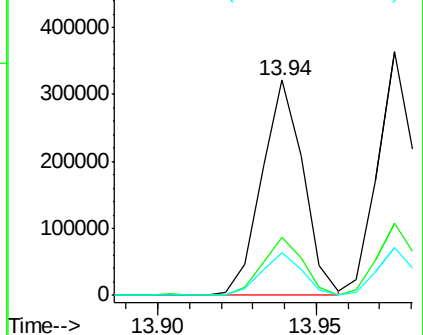
229 20.0 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 11.614 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

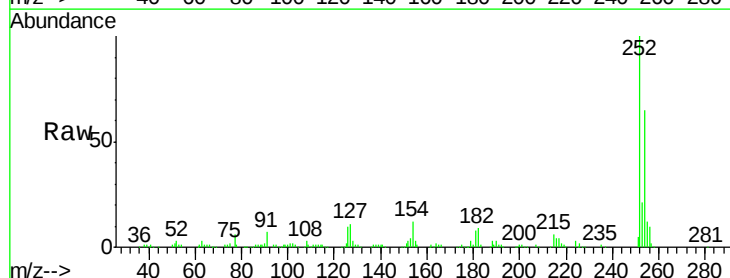
Tgt Ion:252 Resp: 116256

Ion Ratio Lower Upper

252 100

254 65.3 51.4 77.2

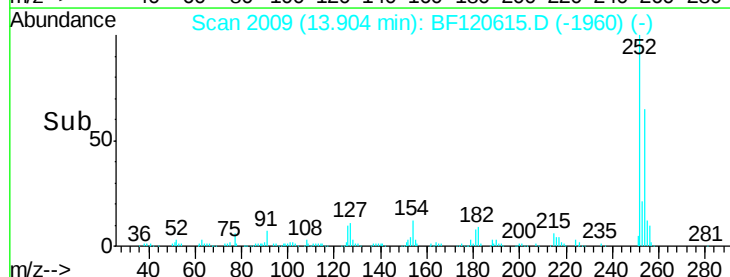
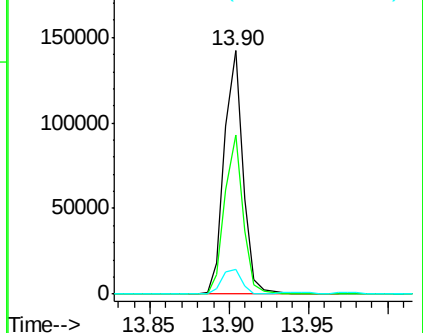
126 10.1 7.9 11.9

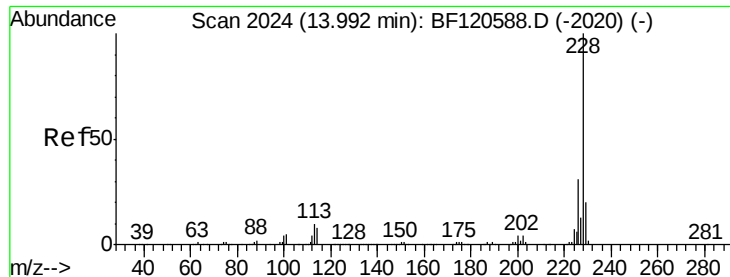


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 10.798 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

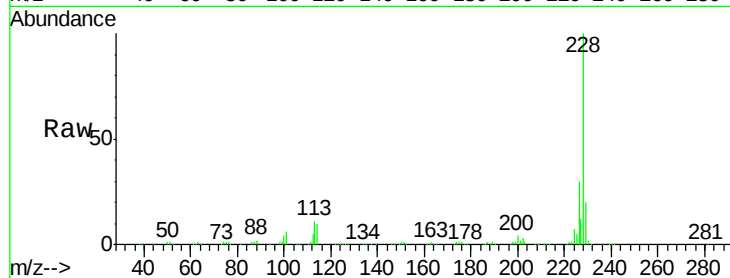
Tot Ion:228 Resp: 290259

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

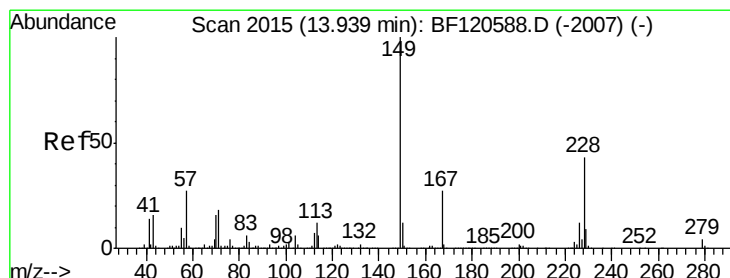
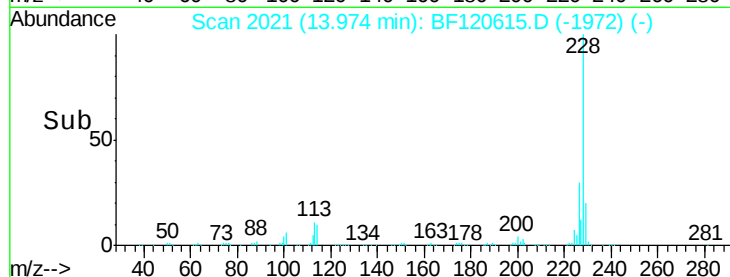
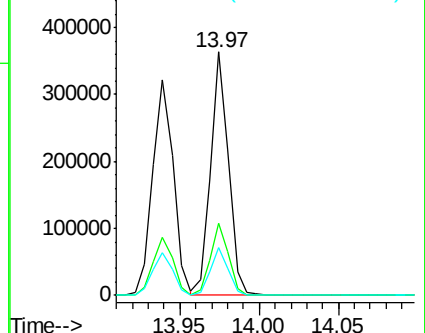
229 19.8 16.1 24.1



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: 11.126 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

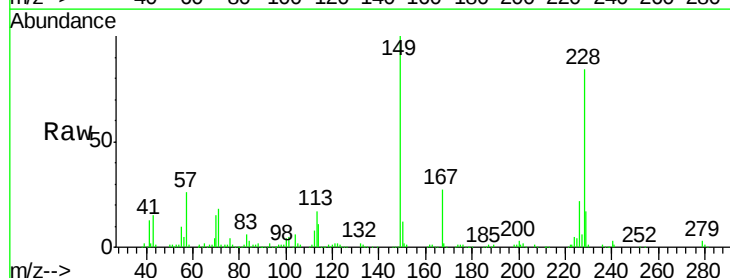
Tgt Ion:149 Resp: 186311

Ion Ratio Lower Upper

149 100

167 27.1 22.0 33.0

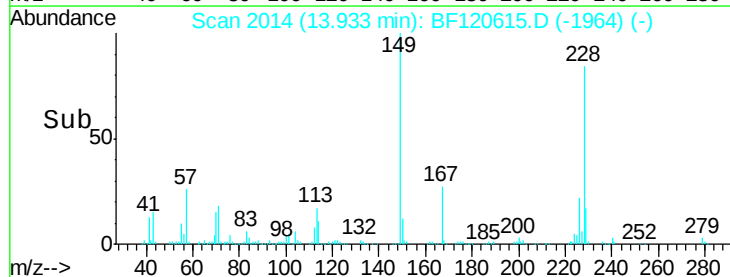
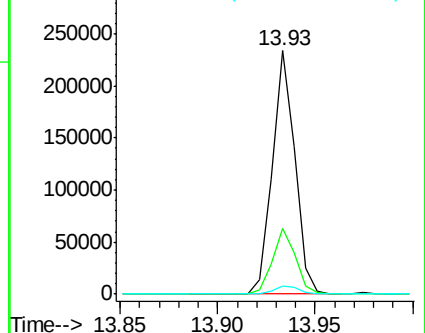
279 3.5 3.0 4.6

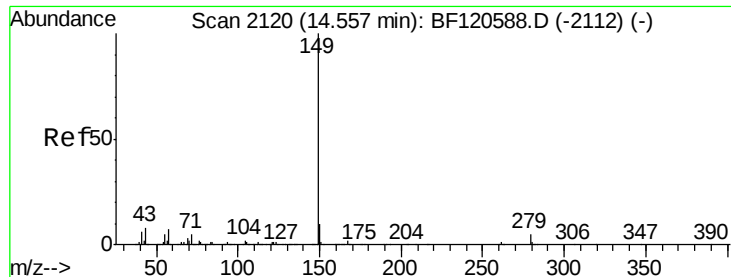


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

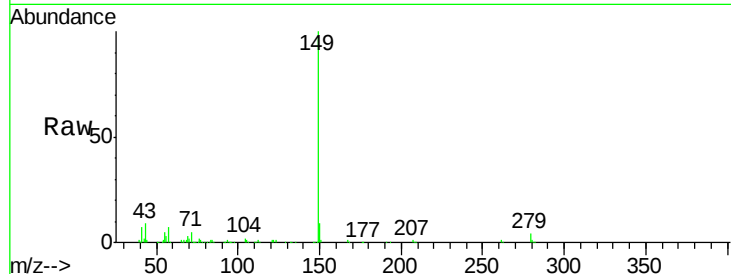




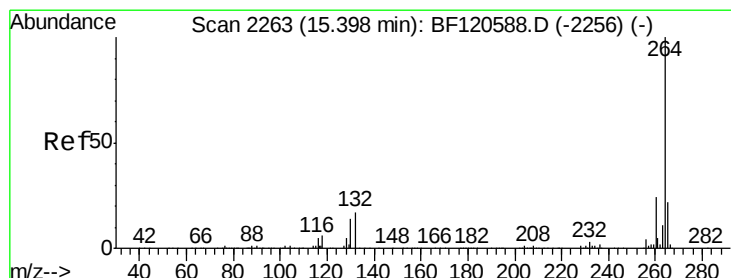
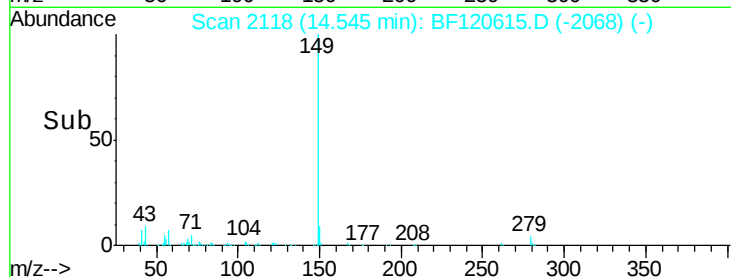
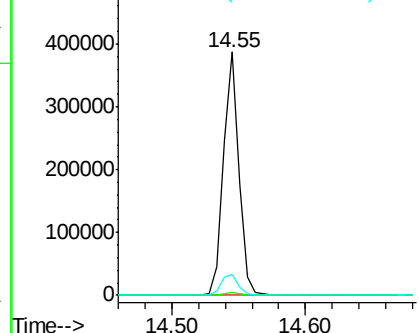
#85
Di-n-octyl phthalate
Concen: 9.930 ng
RT: 14.55 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

Tot Ion:149 Resp: 317349
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.8 7.6 11.4

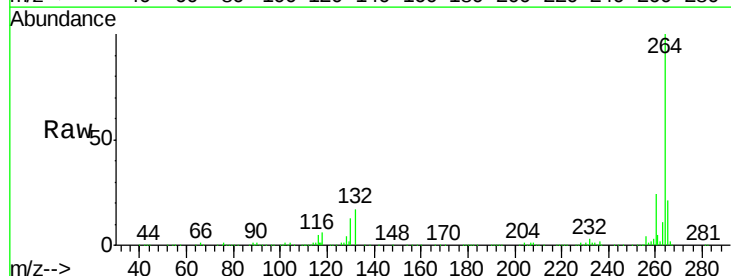


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

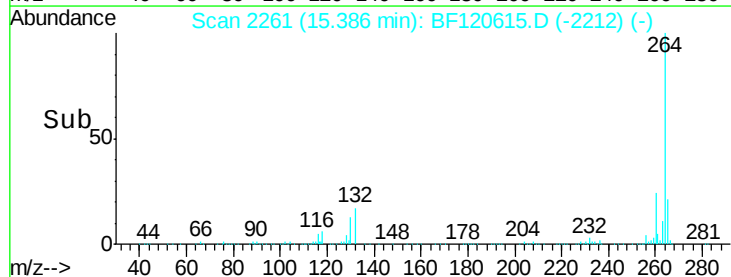
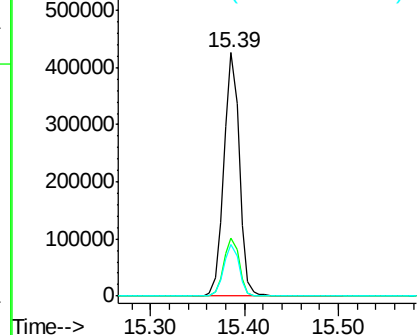


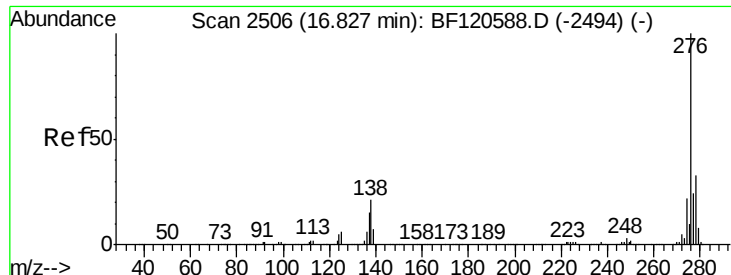
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion:264 Resp: 493139
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.3 17.8 26.8



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

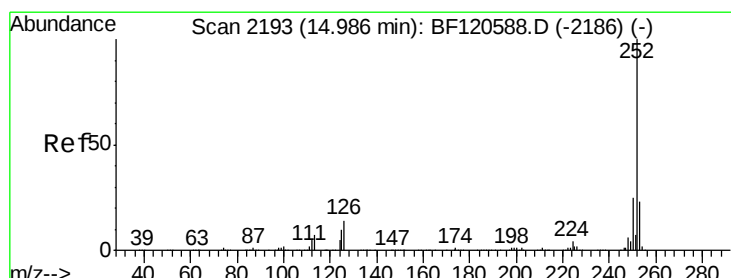
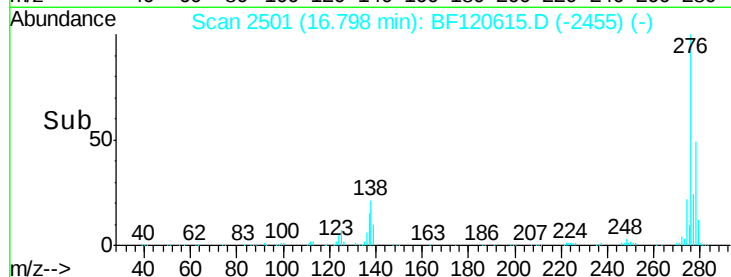
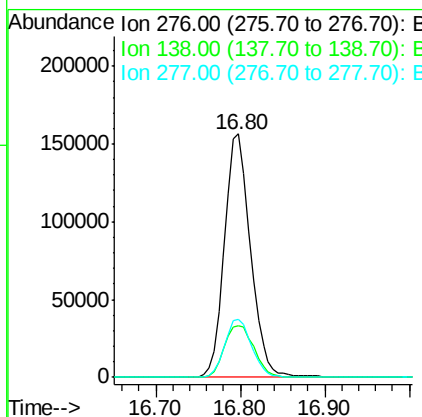
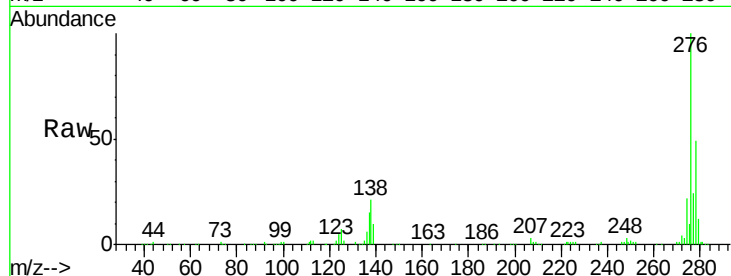




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.131 ng
 RT: 16.80 min Scan# 2501
 Delta R.T. -0.03 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

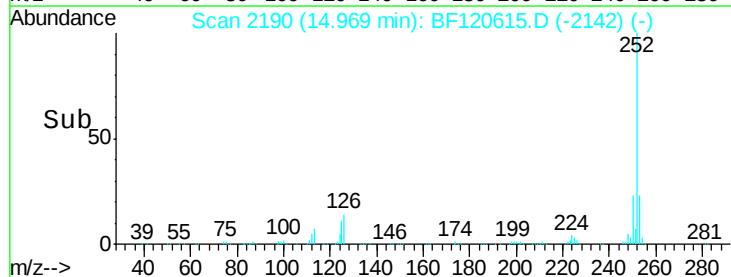
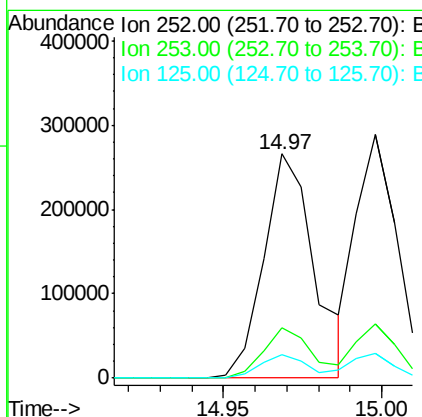
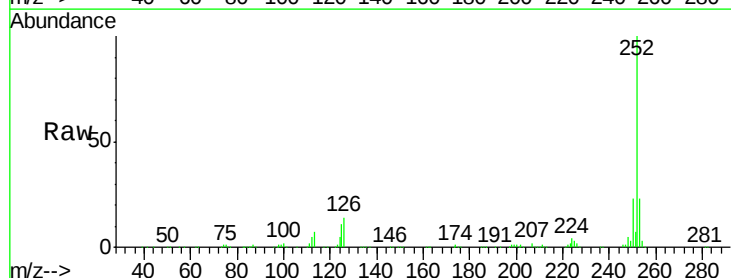
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

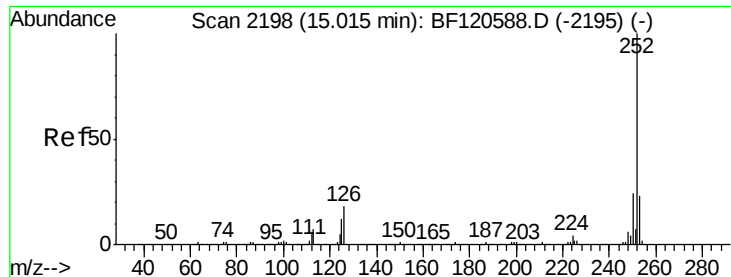
Tot Ion:276 Resp: 333879
 Ion Ratio Lower Upper
 276 100
 138 24.3 18.9 28.3
 277 24.5 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 10.046 ng
 RT: 14.97 min Scan# 2190
 Delta R.T. -0.02 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

Tgt Ion:252 Resp: 295090
 Ion Ratio Lower Upper
 252 100
 253 22.5 18.1 27.1
 125 10.6 8.3 12.5

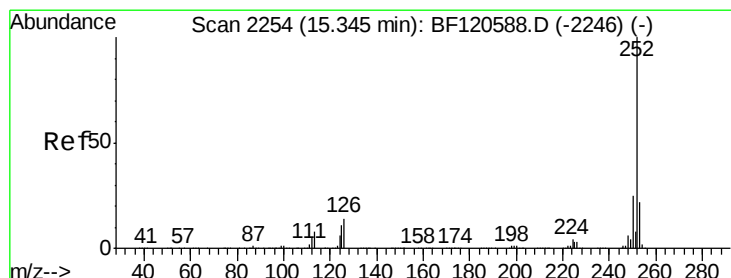
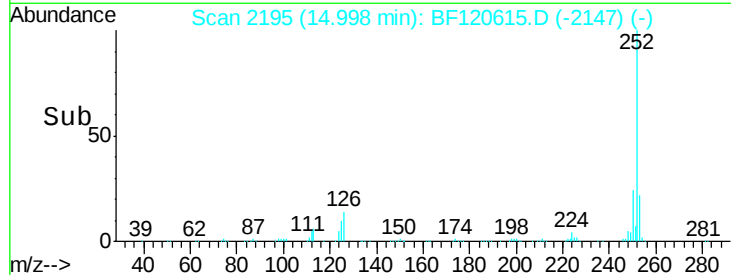
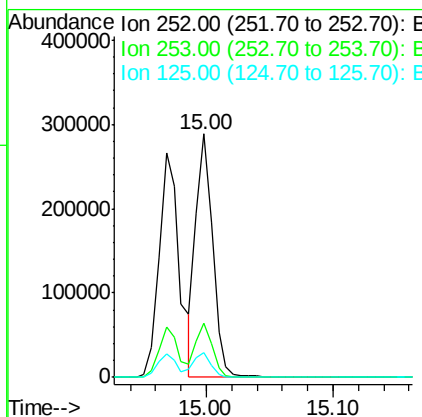
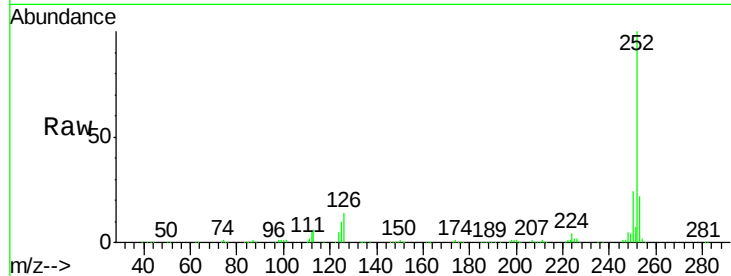




#89
Benzo(k)fluoranthene
Concen: 10.204 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

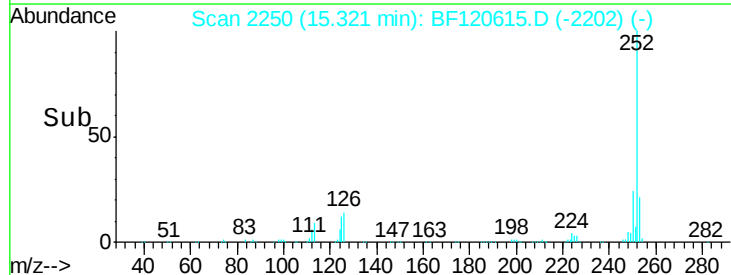
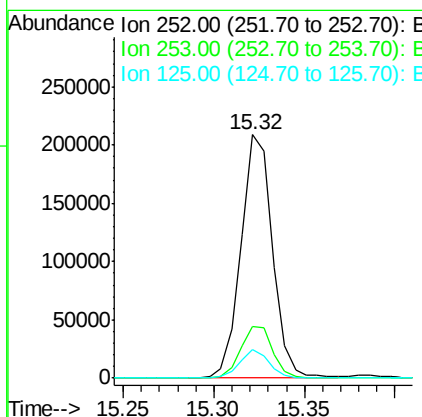
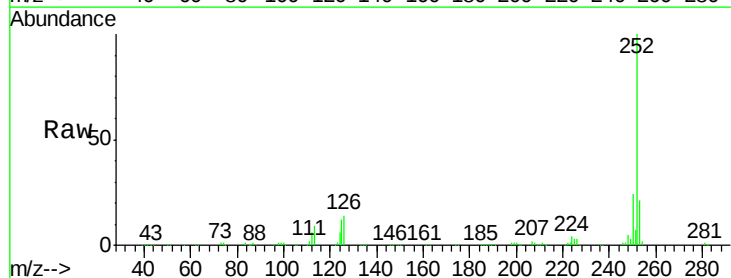
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

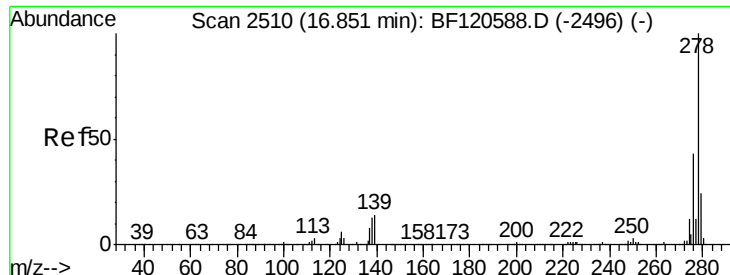
Tot Ion:252 Resp: 265233
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 9.9 8.3 12.5



#90
Benzo(a)pyrene
Concen: 9.612 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

Tgt Ion:252 Resp: 252688
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.8
125 11.7 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 11.799 ng

RT: 16.81 min Scan# 2503

Delta R.T. -0.04 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

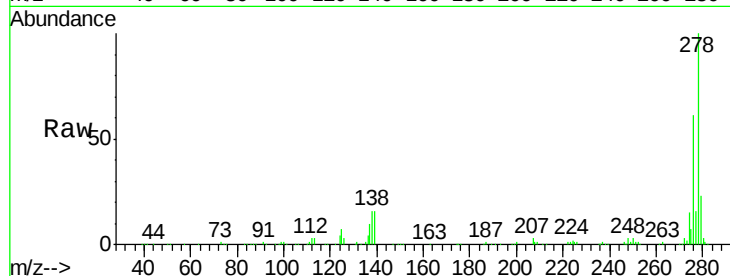
Tot Ion:278 Resp: 283812

Ion Ratio Lower Upper

278 100

139 15.6 11.4 17.2

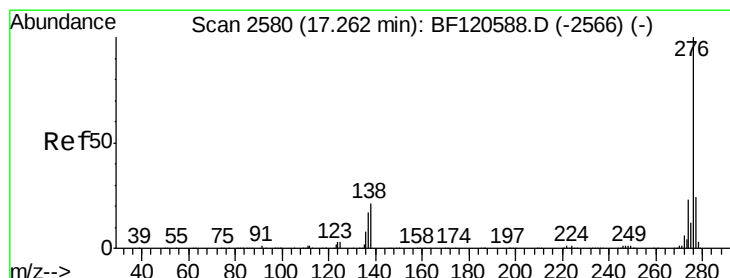
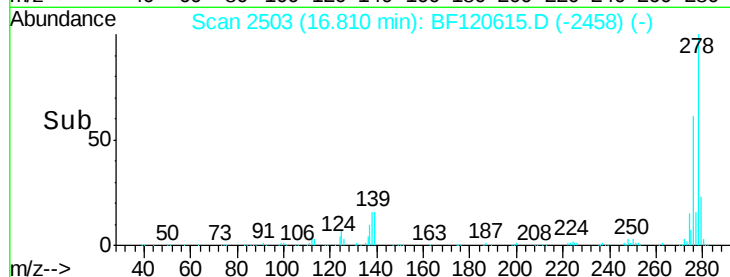
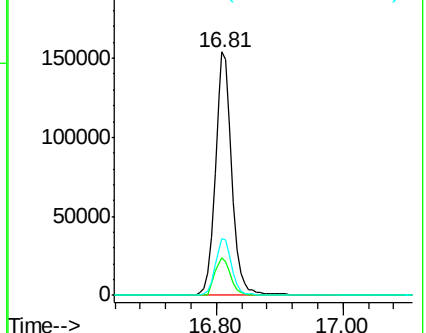
279 23.5 19.1 28.7



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: 11.536 ng

RT: 17.22 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

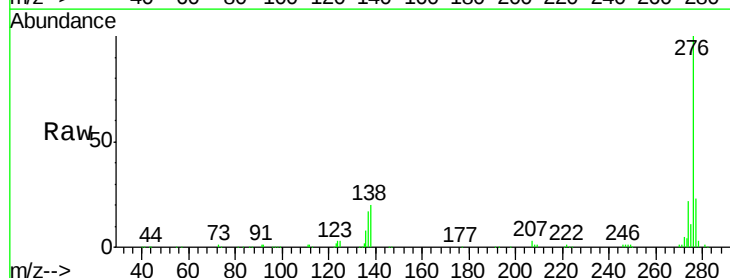
Tgt Ion:276 Resp: 279690

Ion Ratio Lower Upper

276 100

277 22.9 19.6 29.4

138 20.4 16.5 24.7



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

