

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

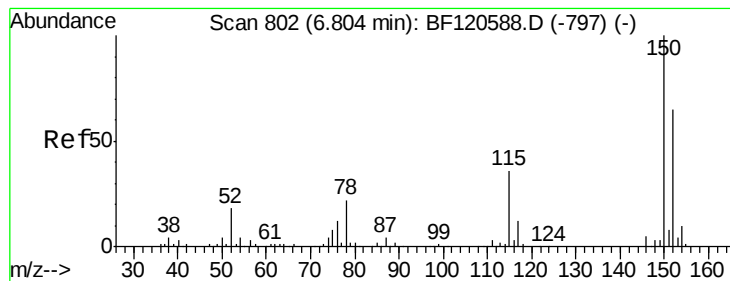
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061220\
 Data File : BF120615.D
 Acq On : 12 Jun 2020 17:22
 Operator : JU/CG
 Sample : L2182-02
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 QLast Update : Fri Jun 12 16:54:04 2020
 Response via : Initial Calibration

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

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

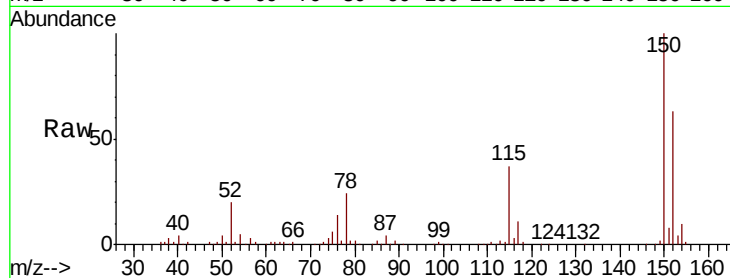


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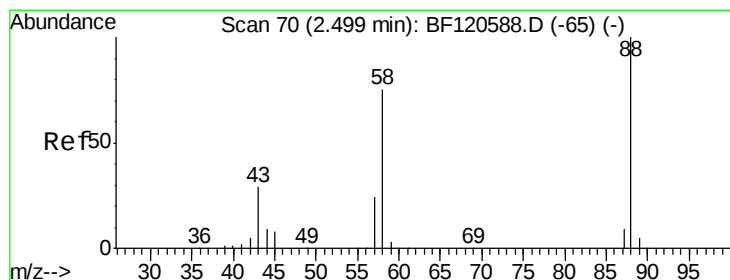
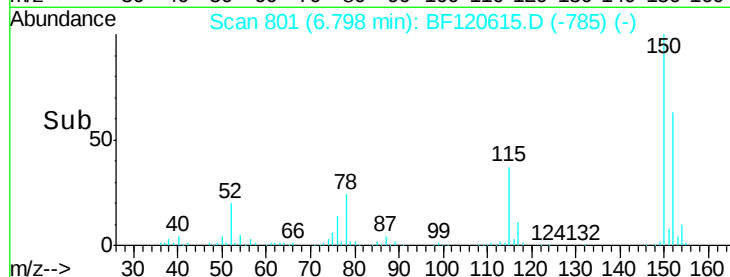
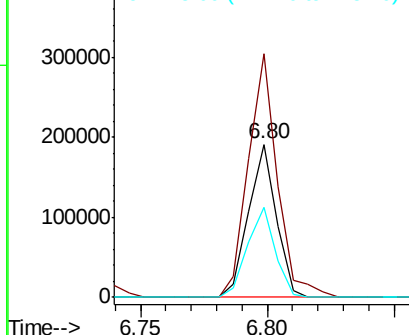
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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



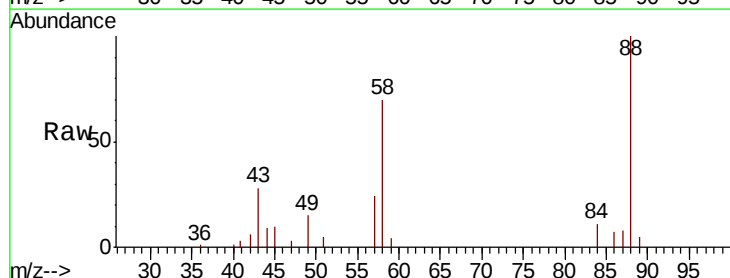
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



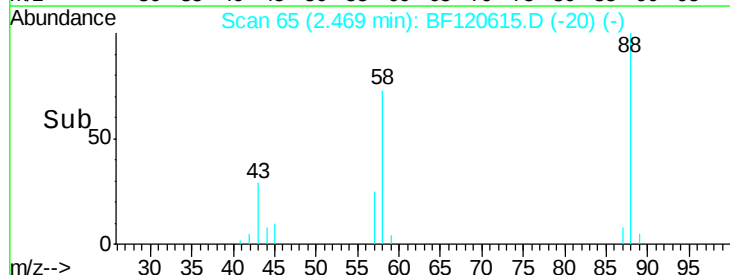
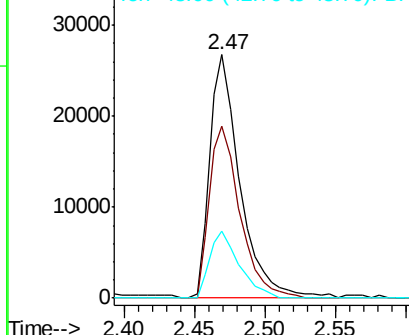
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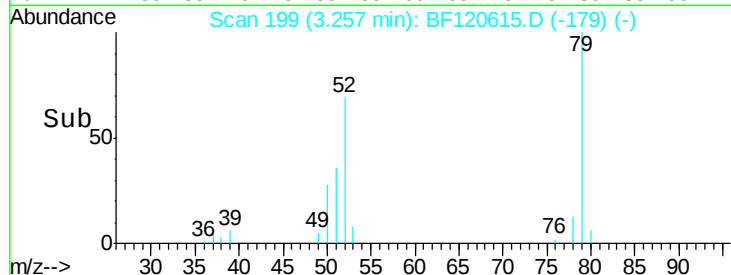
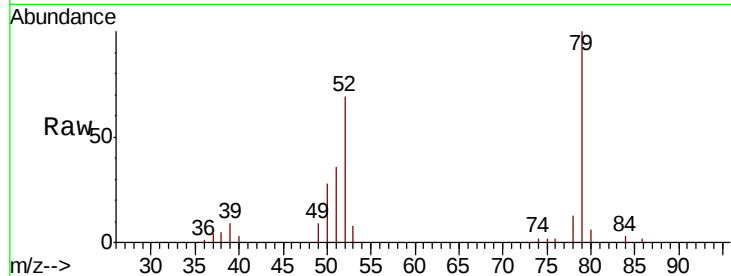
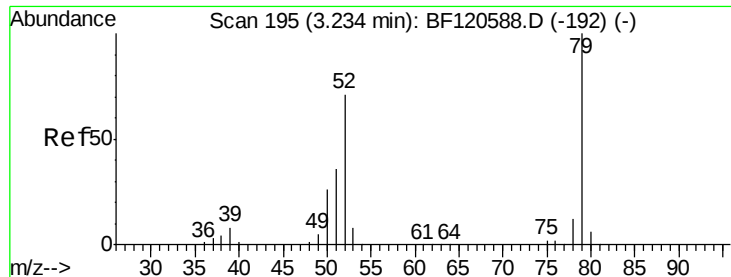
1,4-Dioxane
Concen: 9.867 ng
RT: 2.47 min Scan# 65
Delta R.T. -0.04 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

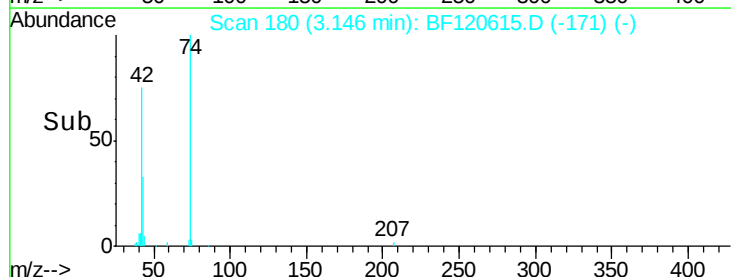
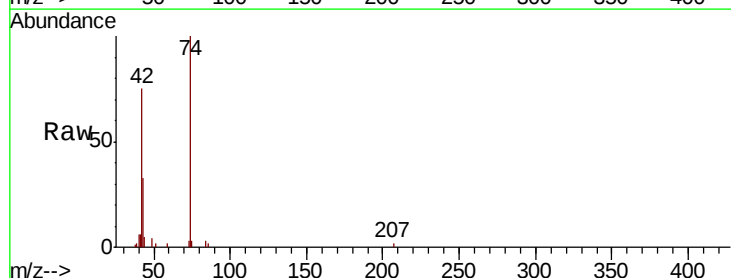
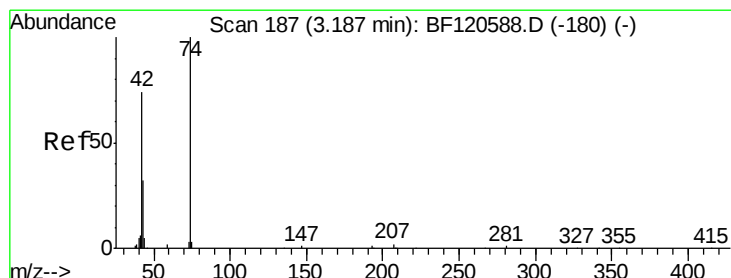
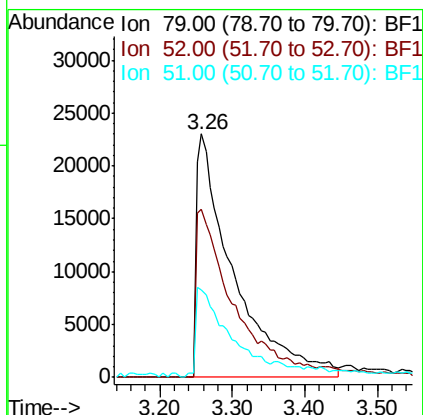




#3
Pvridine
Concen: 7.173 ng
RT: 3.26 min Scan# 199
Delta R.T. 0.02 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

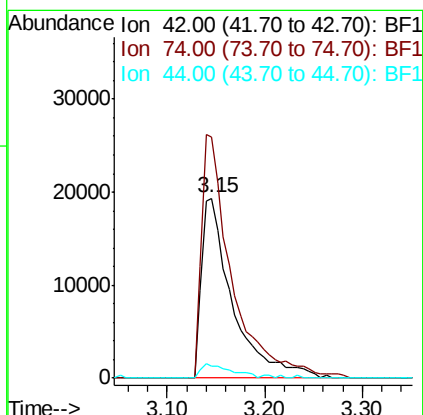
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

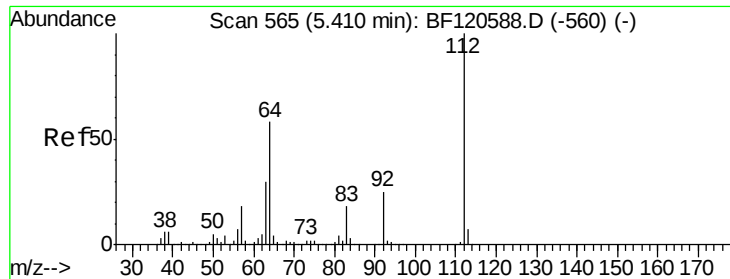
Tot Ion	Ratio	Lower	Upper
79	100		
52	69.0	57.0	85.6
51	35.7	28.5	42.7



#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	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

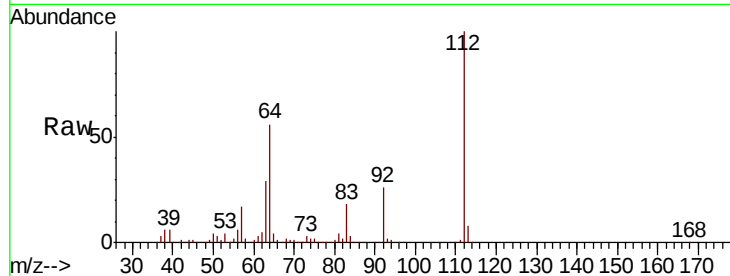
Tot Ion:112 Resp: 1218467

Ion Ratio Lower Upper

112 100

64 55.8 46.1 69.1

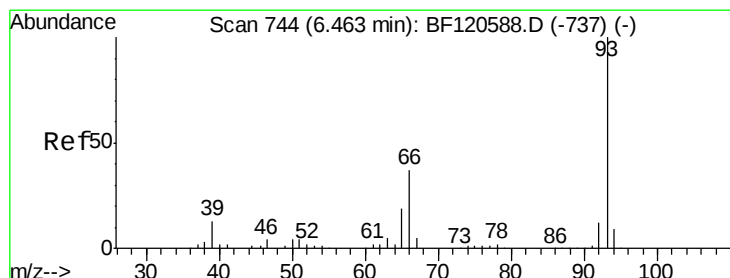
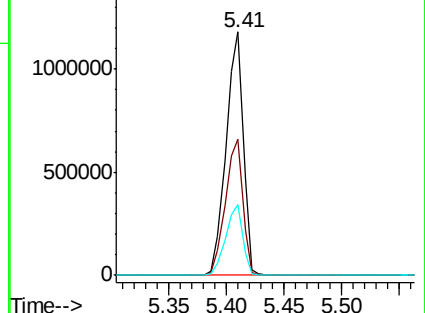
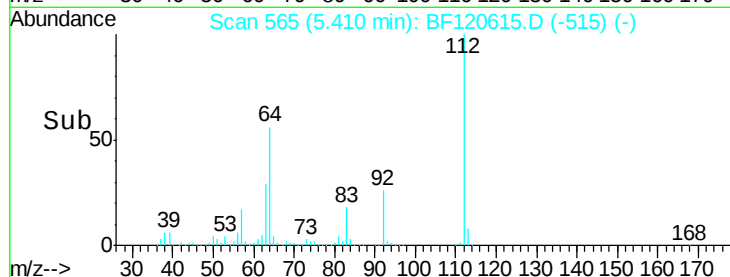
63 28.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

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

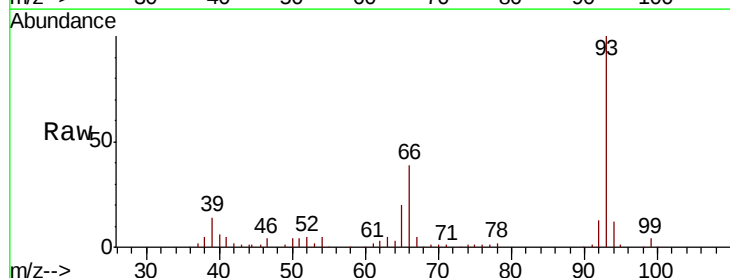
Tgt Ion: 93 Resp: 142508

Ion Ratio Lower Upper

93 100

66 38.5 30.9 46.3

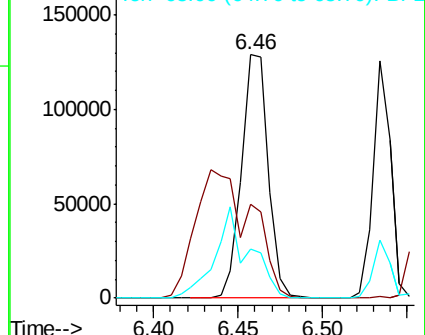
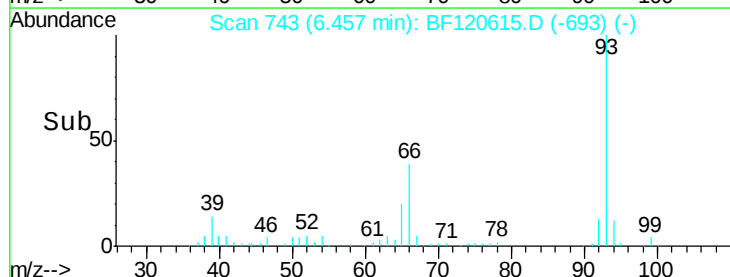
65 20.4 15.9 23.9

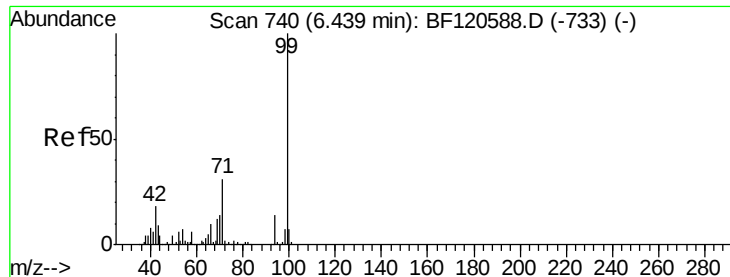


Abundance Ion 93.00 (92.70 to 93.70): BF1

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

Acq: 12 Jun 2020 17:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2020

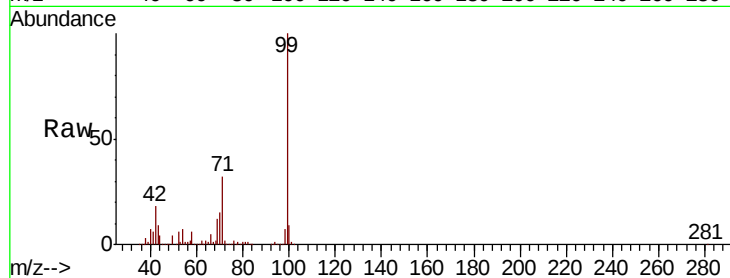
Tot Ion: 99 Resp: 1555875

Ion Ratio Lower Upper

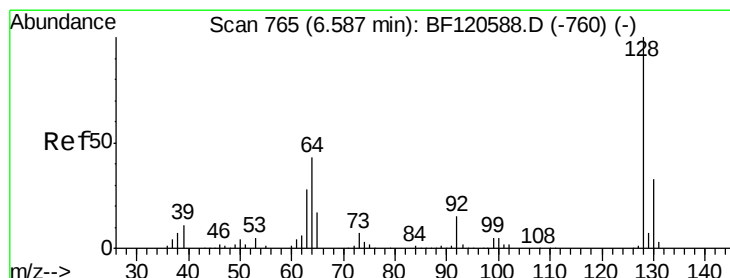
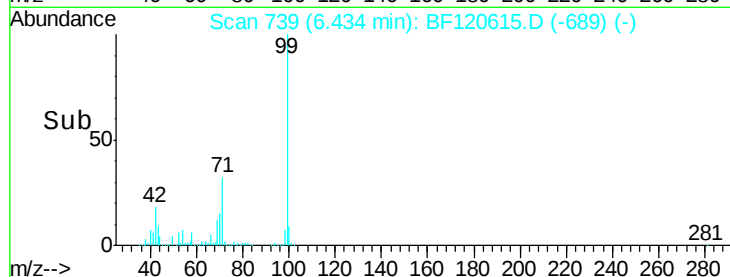
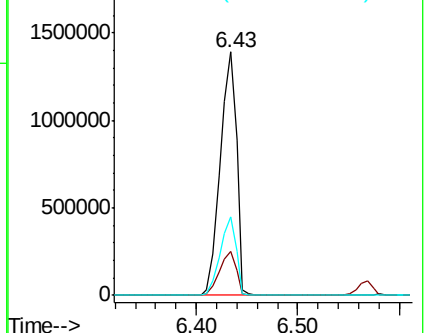
99 100

42 18.2 14.0 21.0

71 32.1 24.9 37.3



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



#8

2-Chlorophenol

Concen: 9.598 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF120615.D

Acq: 12 Jun 2020 17:22

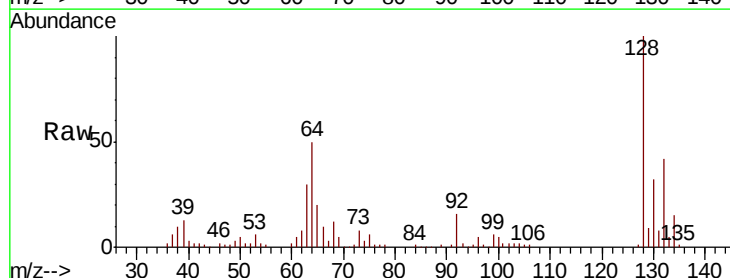
Tgt Ion: 128 Resp: 92774

Ion Ratio Lower Upper

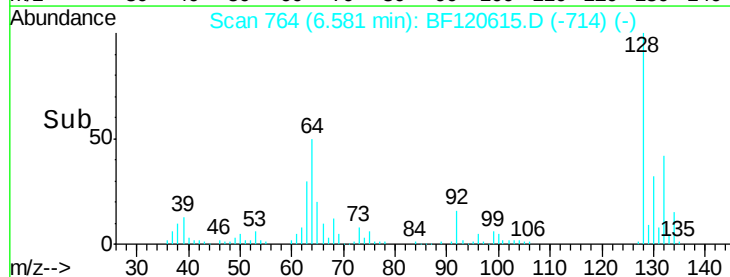
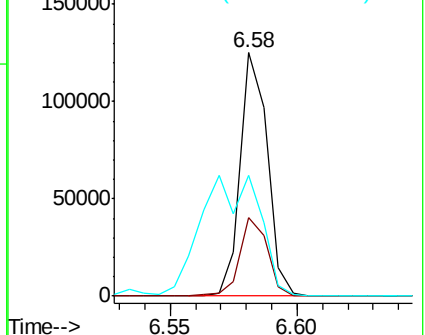
128 100

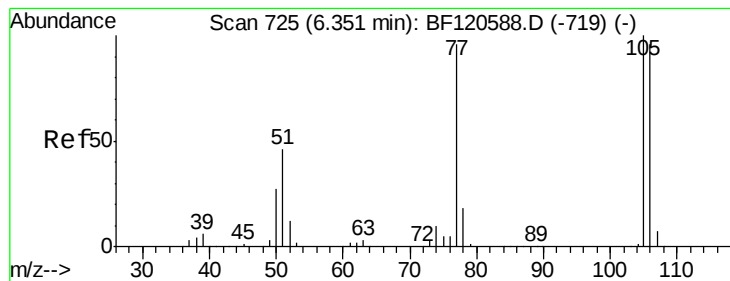
130 32.2 12.6 52.6

64 49.7 24.3 64.3



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





#9

Benzaldehyde

Concen: 11.997 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

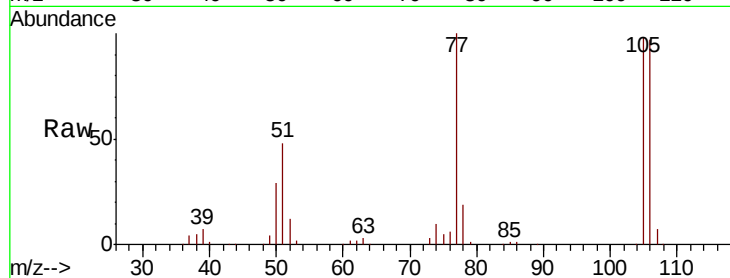
Tot Ion: 77 Resp: 80846

Ion Ratio Lower Upper

77 100

105 98.4 83.8 123.8

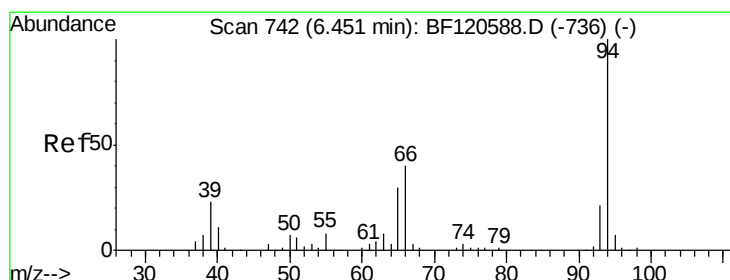
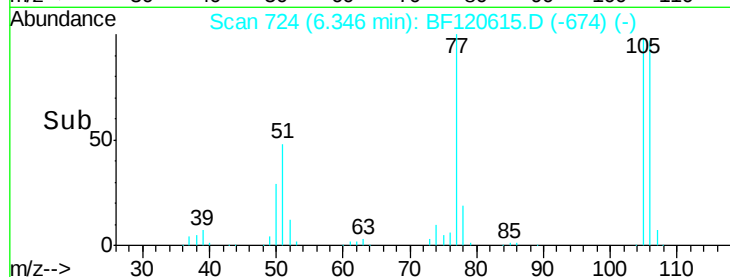
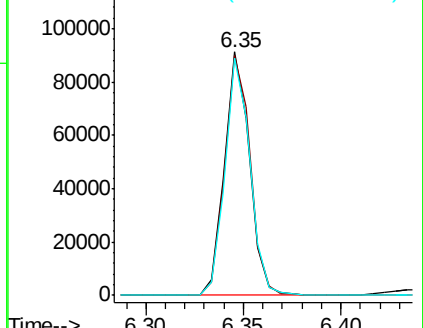
106 97.3 79.3 119.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 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

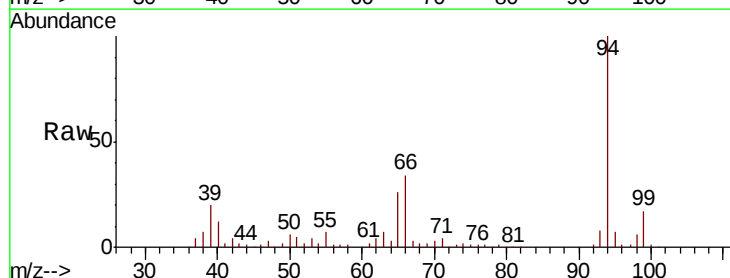
Tgt Ion: 94 Resp: 121099

Ion Ratio Lower Upper

94 100

65 26.3 9.9 49.9

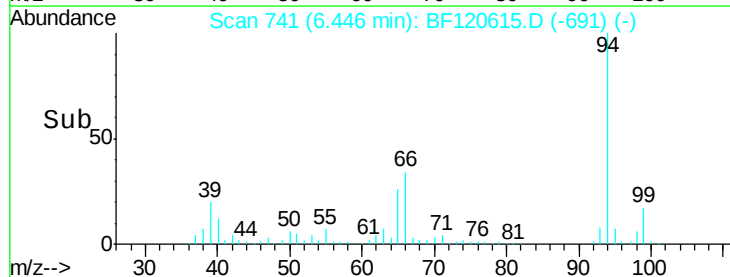
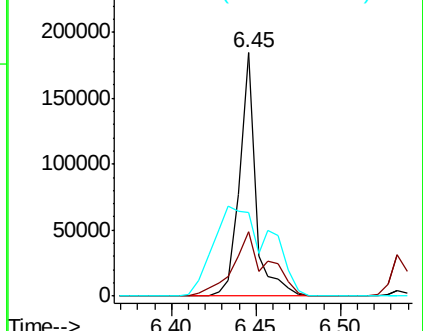
66 34.5 20.1 60.1

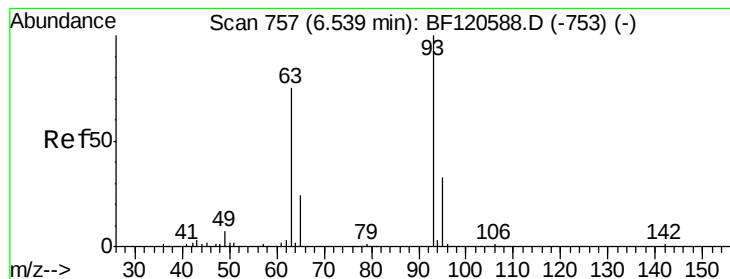


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 9.619 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

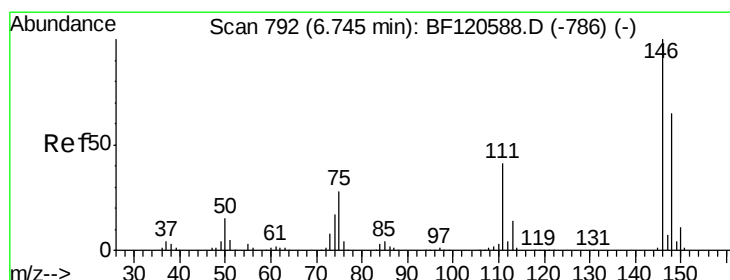
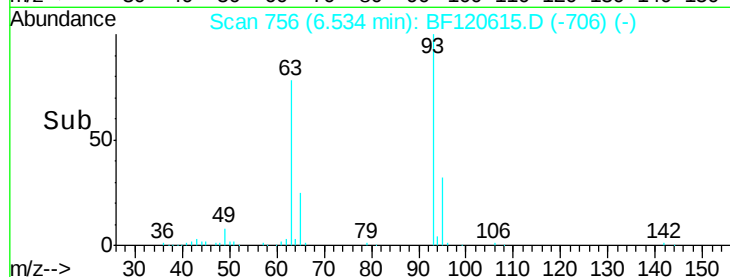
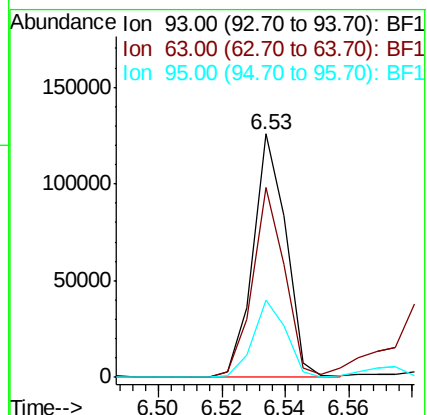
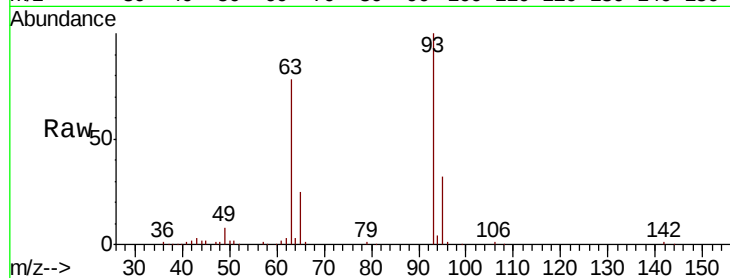
Tot Ion: 93 Resp: 91073

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

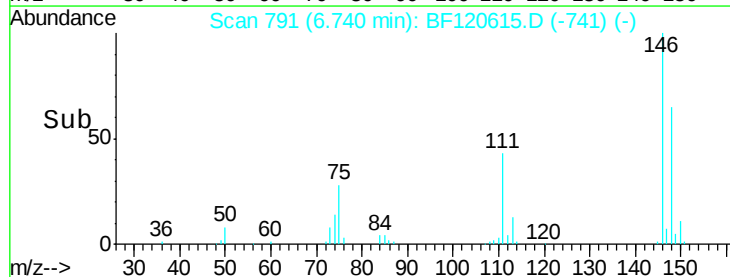
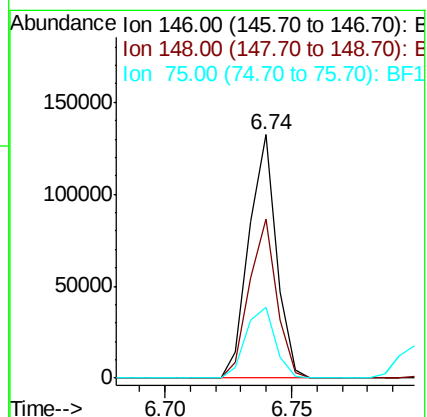
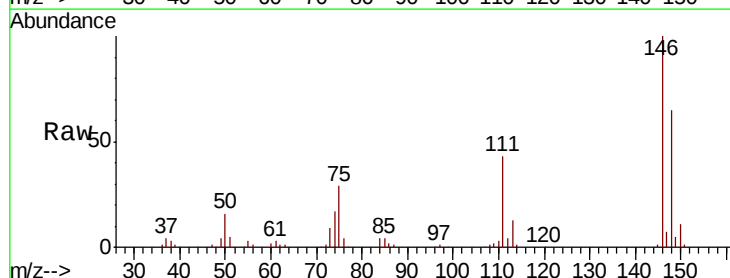
Tgt Ion: 146 Resp: 100184

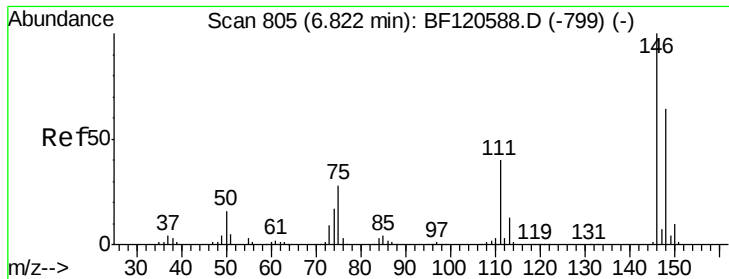
Ion Ratio Lower Upper

146 100

148 65.2 51.8 77.6

75 29.2 22.2 33.4

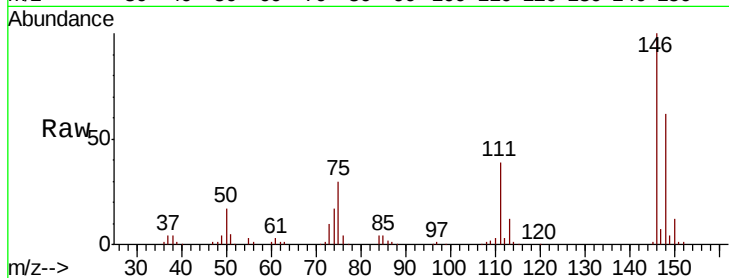




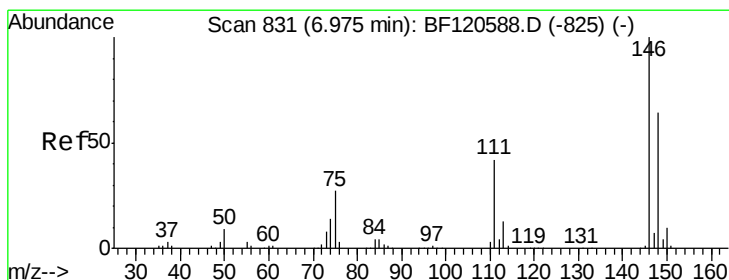
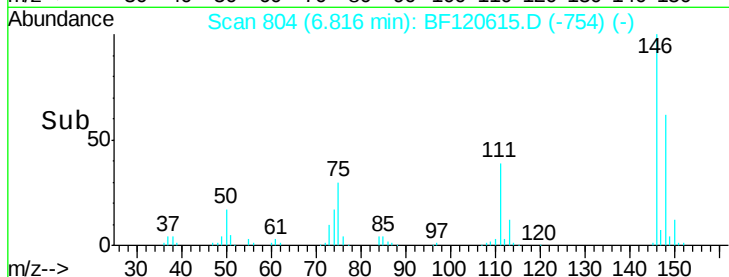
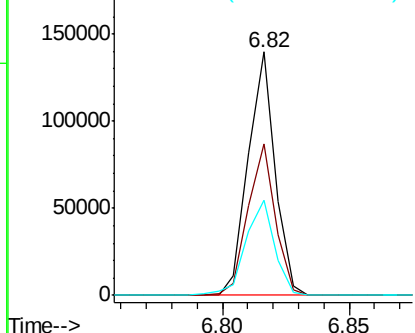
#13
 1,4-Dichlorobenzene
 Concen: 10.178 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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

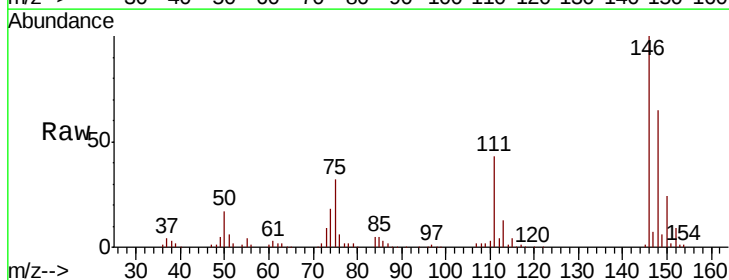


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

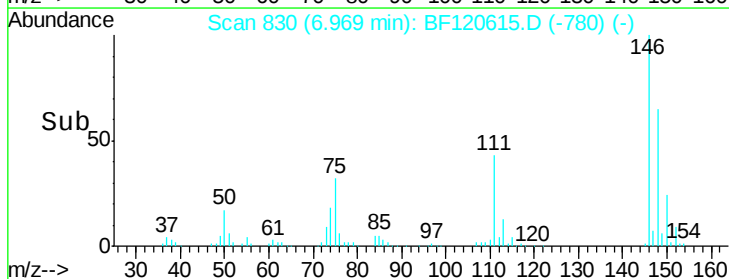
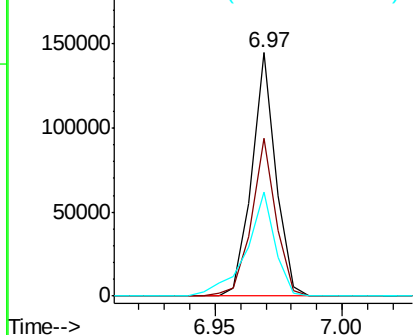


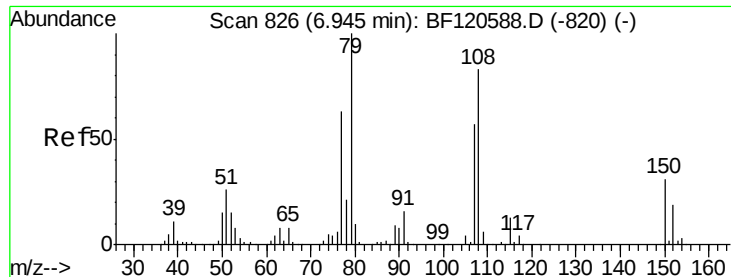
#14
 1,2-Dichlorobenzene
 Concen: 9.663 ng
 RT: 6.97 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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



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





#15

Benzyl Alcohol

Concen: 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

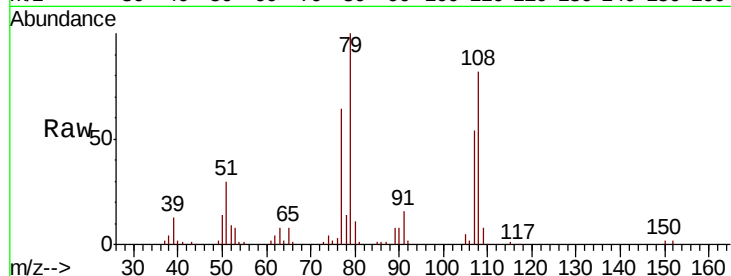
Tot Ion: 79 Resp: 85170

Ion Ratio Lower Upper

79 100

108 81.8 66.8 100.2

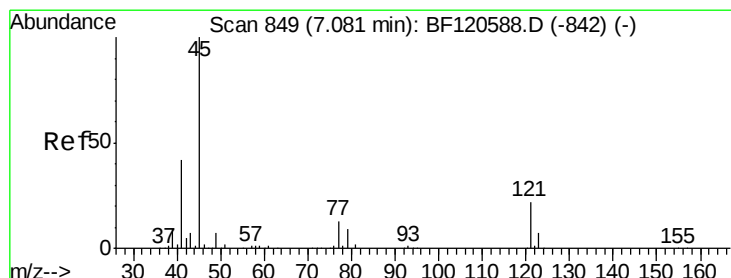
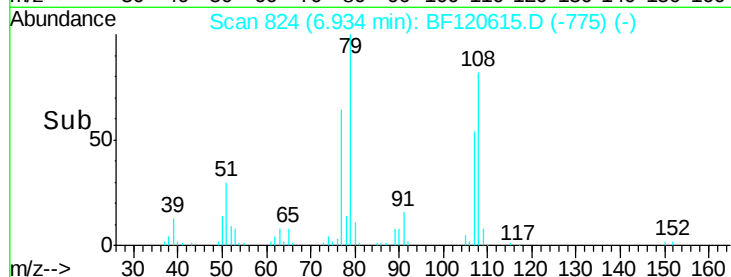
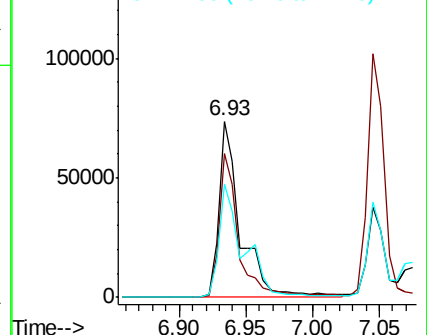
77 63.9 50.6 76.0



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

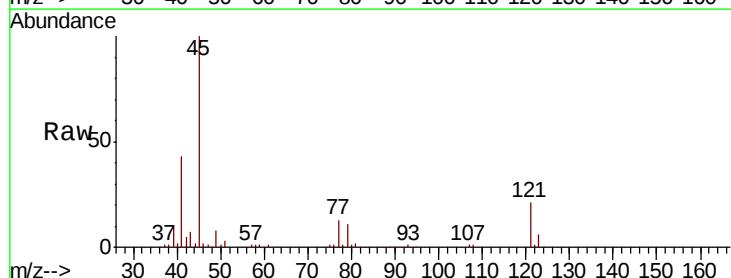
Tgt Ion: 45 Resp: 136006

Ion Ratio Lower Upper

45 100

77 13.4 0.0 34.2

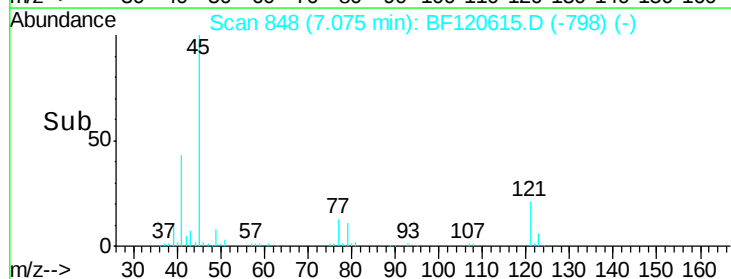
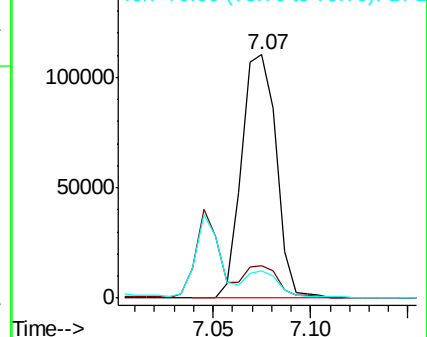
79 11.5 0.0 30.9

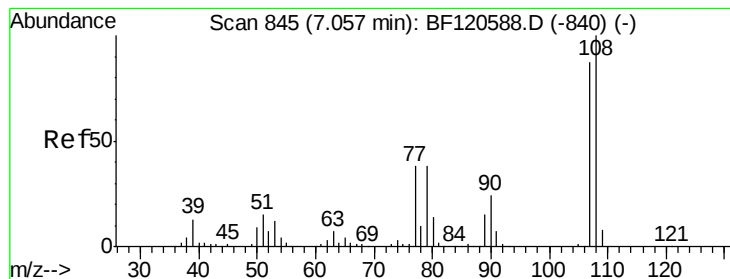


Abundance Ion 45.00 (44.70 to 45.70): BF1

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

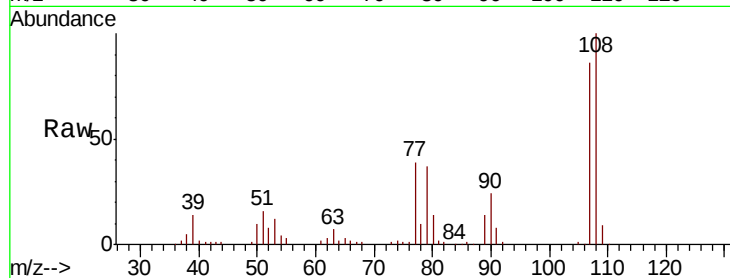
Ion Ratio Lower Upper

107 100

108 116.1 91.9 137.9

77 45.6 35.4 53.2

79 42.9 34.8 52.2

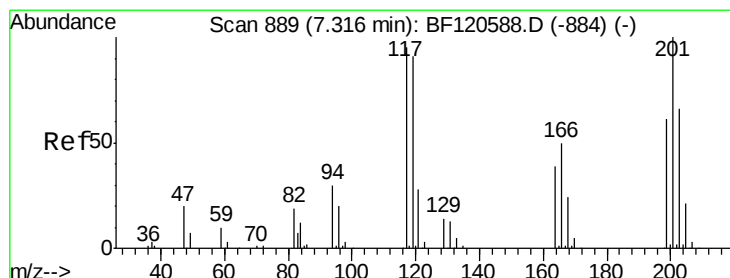
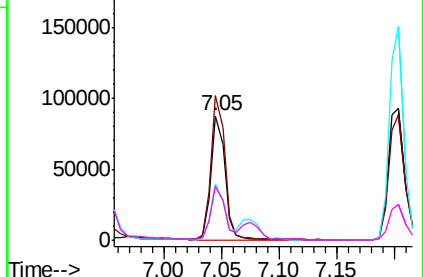
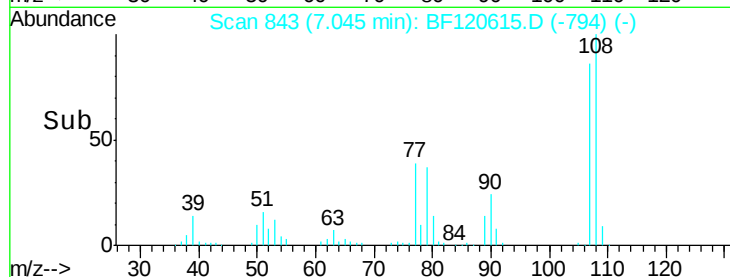


Abundance Ion 107.00 (106.70 to 107.70): E

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

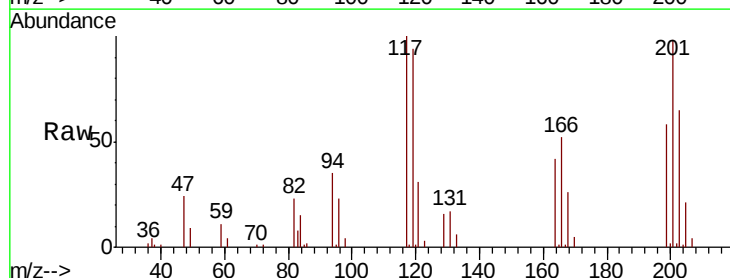
Tgt Ion:117 Resp: 36633

Ion Ratio Lower Upper

117 100

119 93.9 76.9 115.3

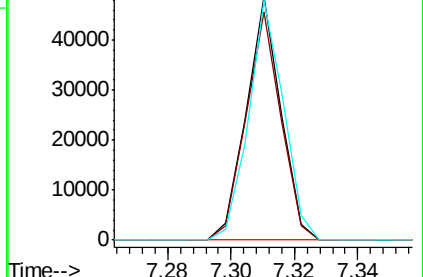
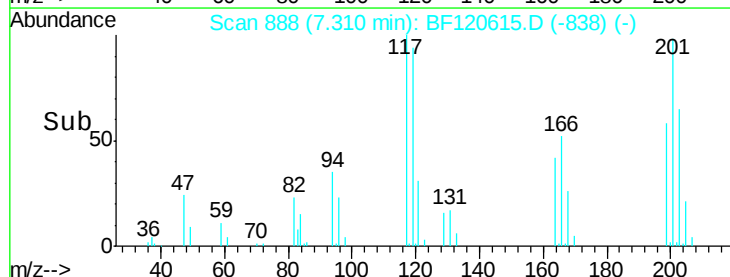
201 98.3 84.6 127.0

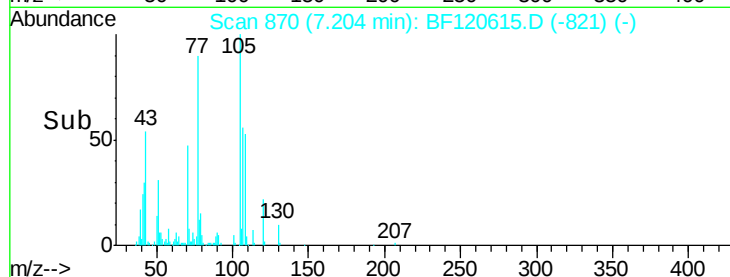
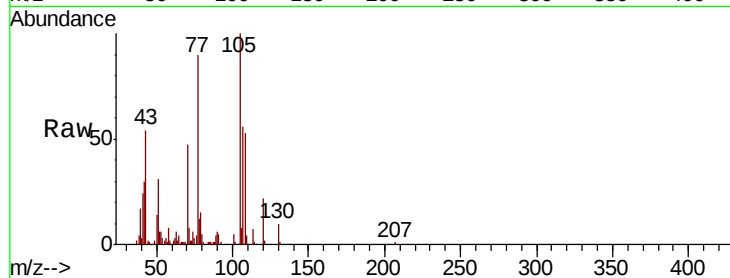
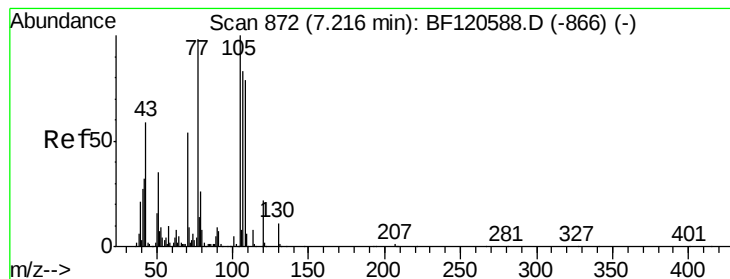


Abundance Ion 117.00 (116.70 to 117.70): E

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

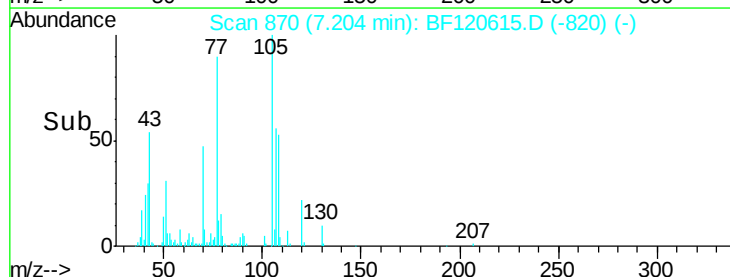
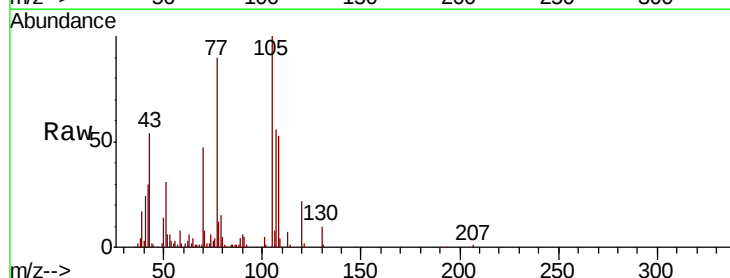
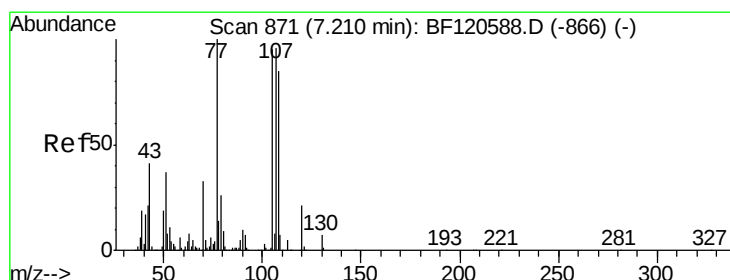
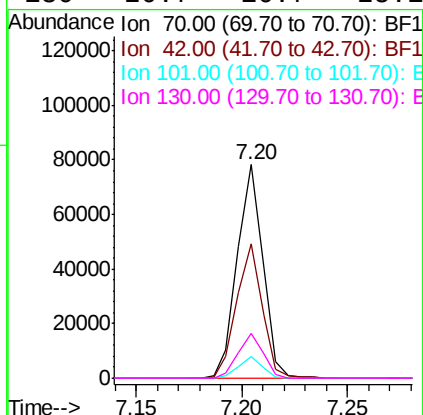
Ion Ratio Lower Upper

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

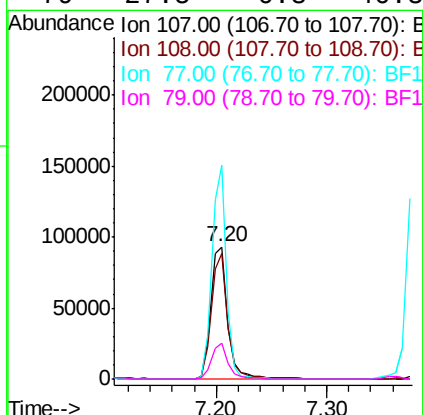
Ion Ratio Lower Upper

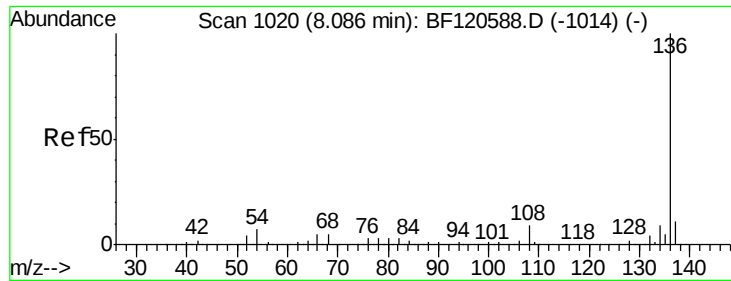
107 100

108 94.6 68.7 108.7

77 161.8 84.2 124.2#

79 27.5 6.8 46.8

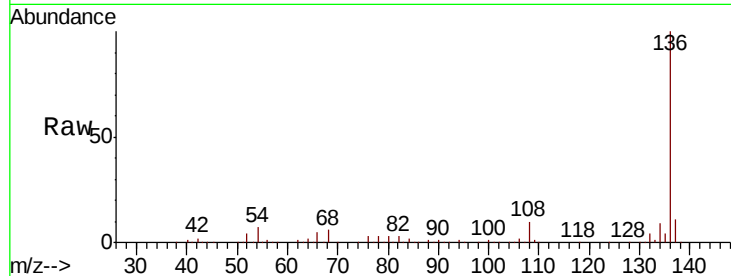




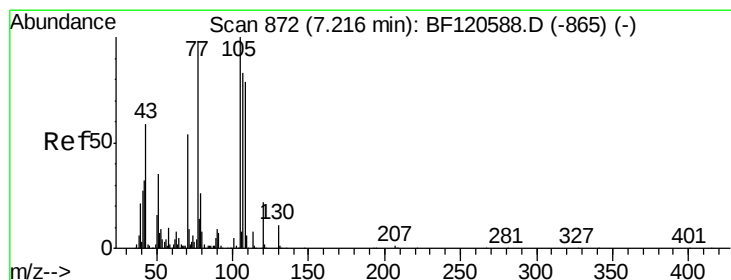
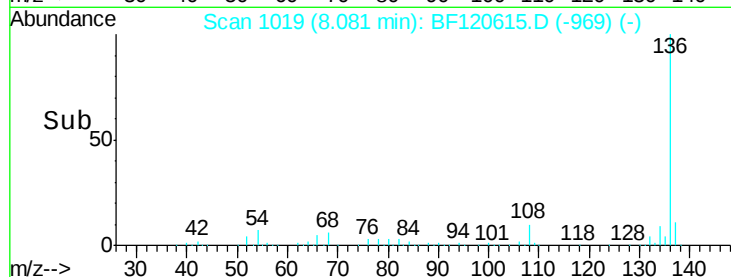
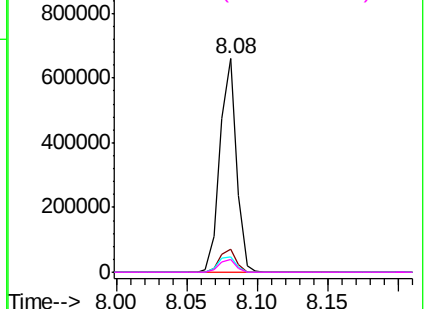
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

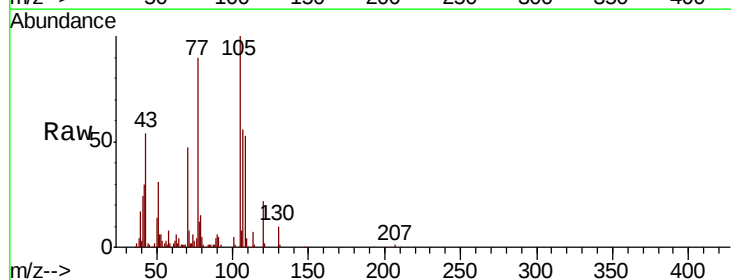


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

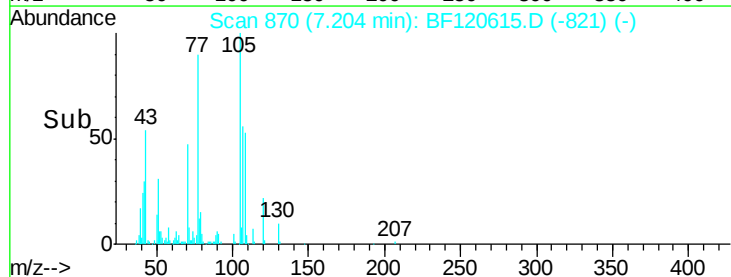
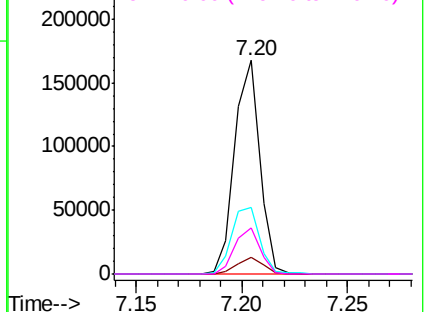


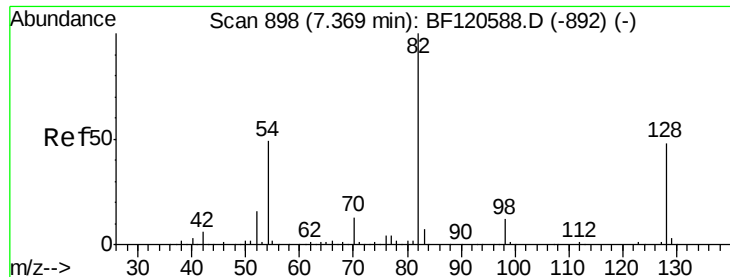
#22
Acetophenone
Concen: 11.487 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

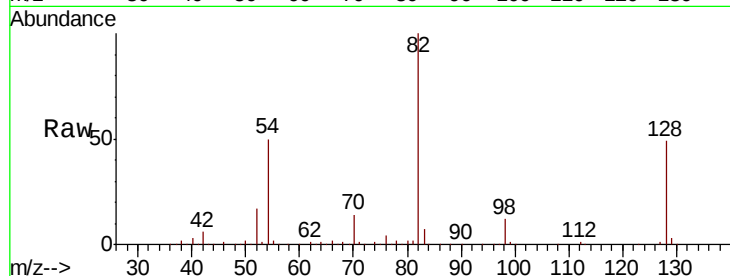




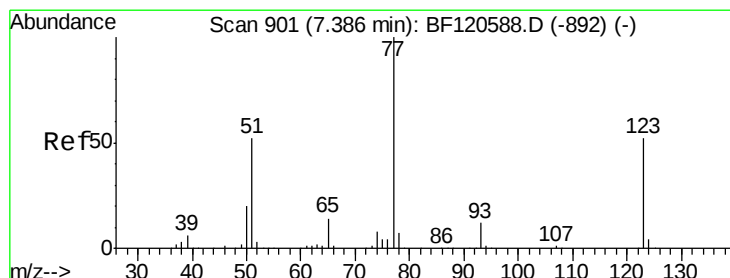
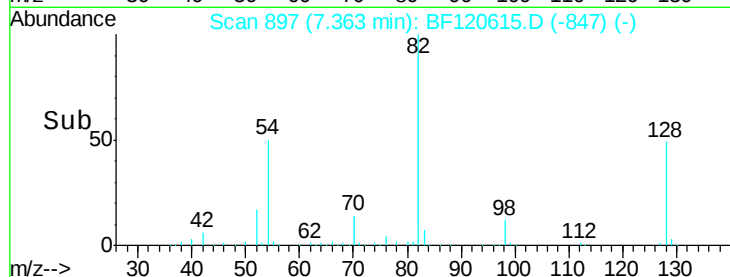
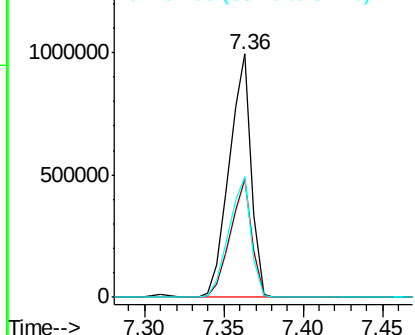
#23
Nitrobenzene-d5
Concen: 99.104 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

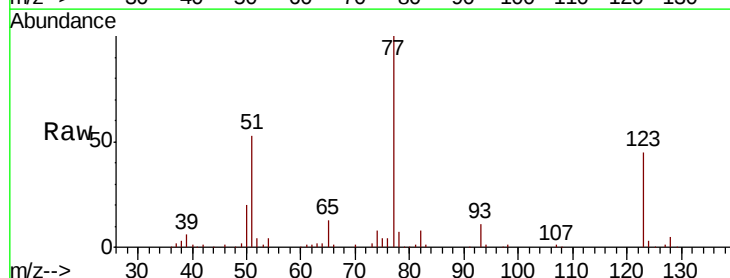


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

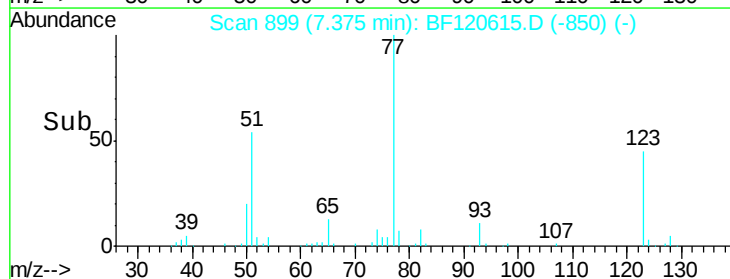
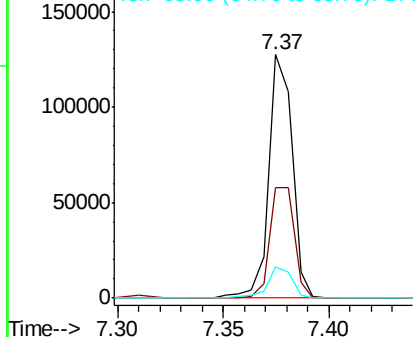


#24
Nitrobenzene
Concen: 9.862 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

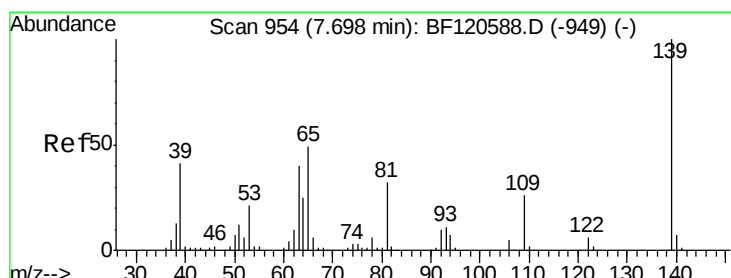
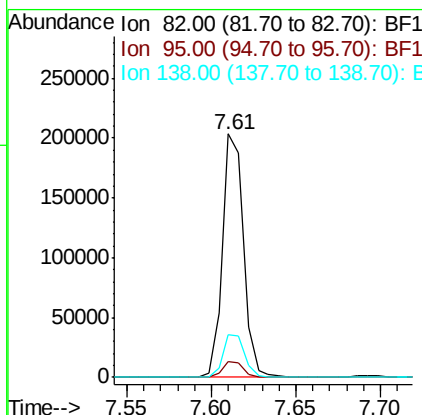
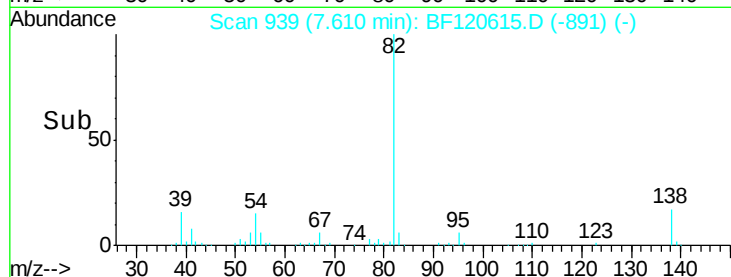
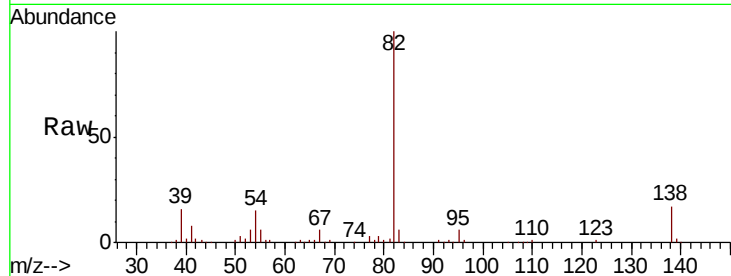




#25
Isophorone
Concen: 9.474 ng
RT: 7.61 min Scan# 939
Delta R.T. -0.02 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

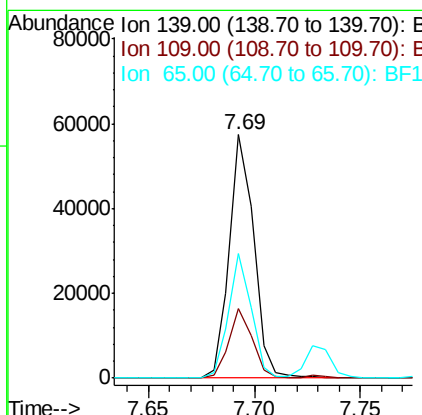
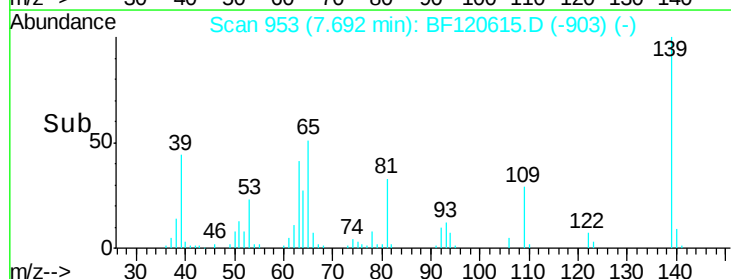
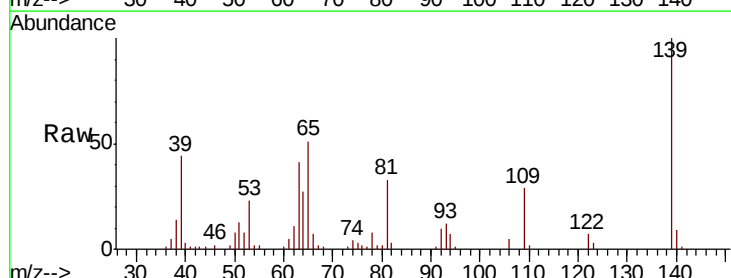
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

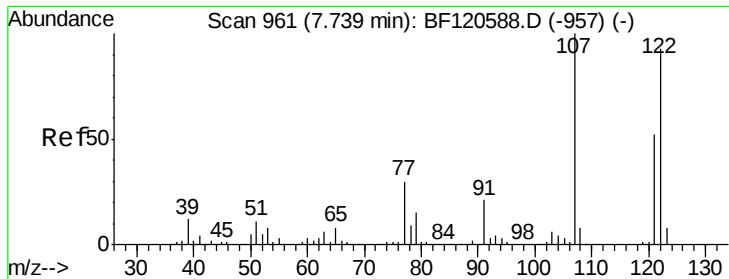
Tot Ion: 82 Resp: 177163
Ion Ratio Lower Upper
82 100
95 6.3 5.7 8.5
138 17.4 16.2 24.4



#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

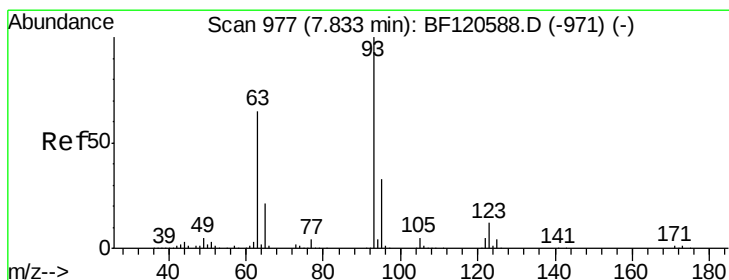
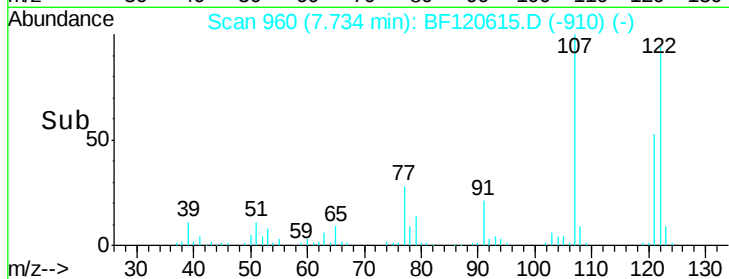
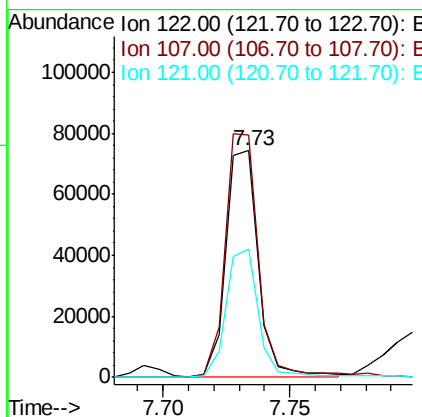
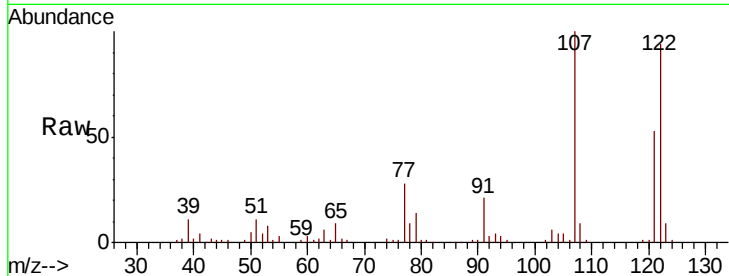




#27
2,4-Dimethylphenol
Concen: 8.489 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

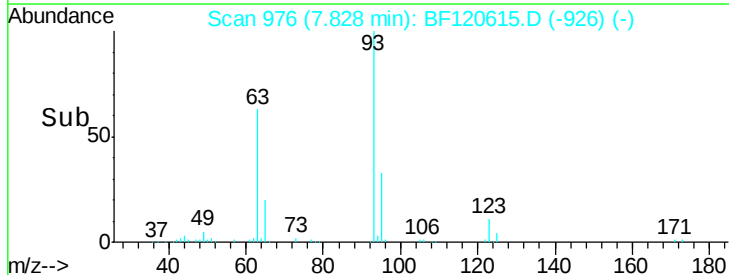
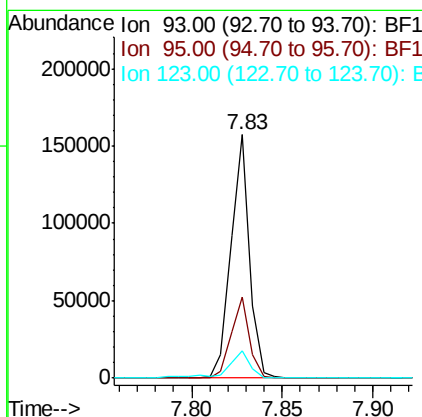
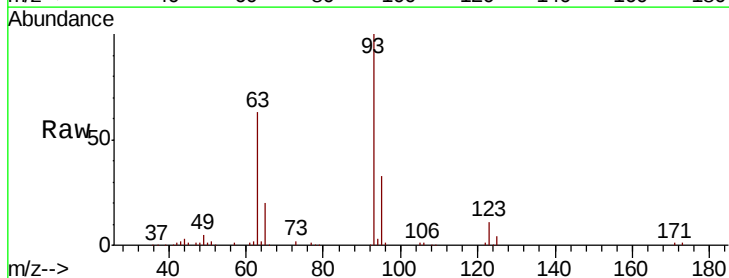
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

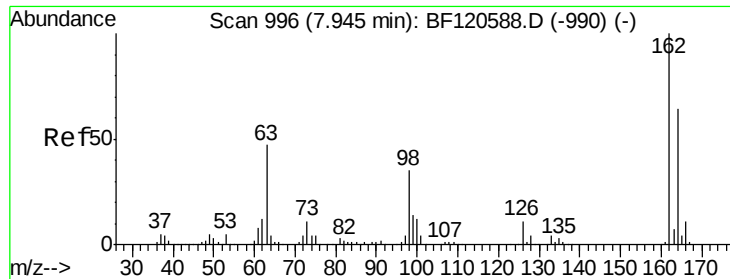
Tot Ion:122 Resp: 66433
Ion Ratio Lower Upper
122 100
107 106.7 86.4 129.6
121 56.9 45.2 67.8



#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

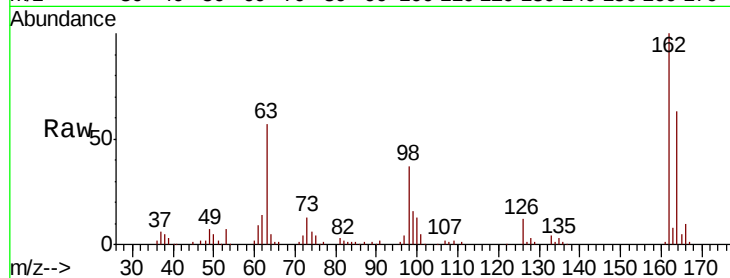




#29
 2,4-Dichlorophenol
 Concen: 9.506 ng
 RT: 7.93 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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

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

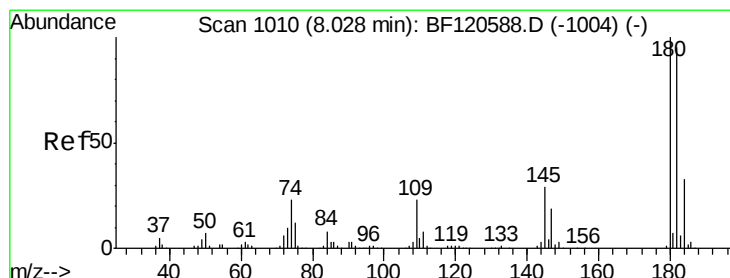
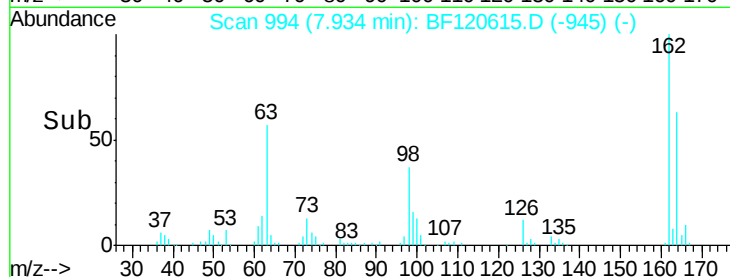
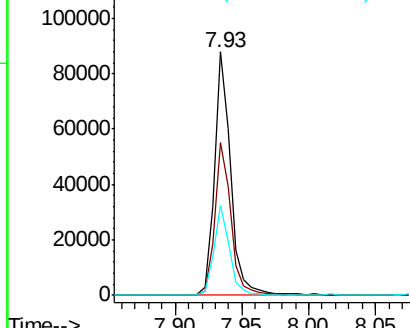


Abundance

Ion 162.00 (161.70 to 162.70): E

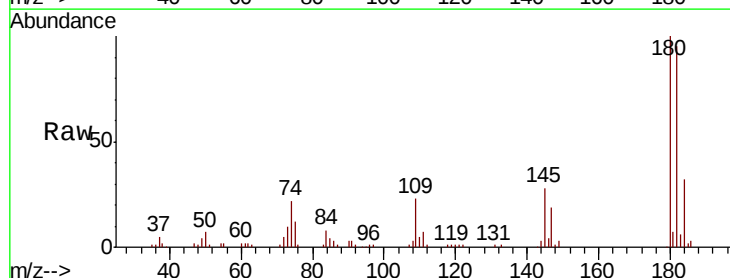
Ion 164.00 (163.70 to 164.70): E

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	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
145	28.2	23.0	34.6

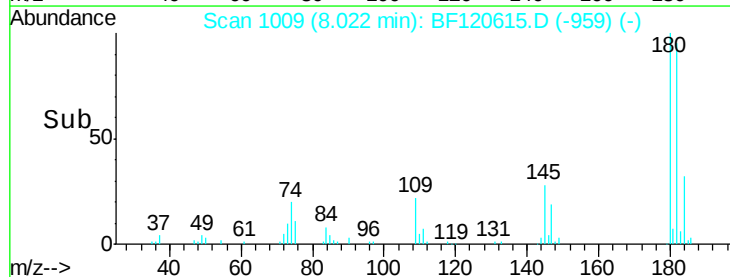
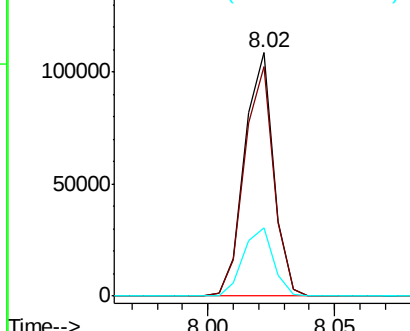


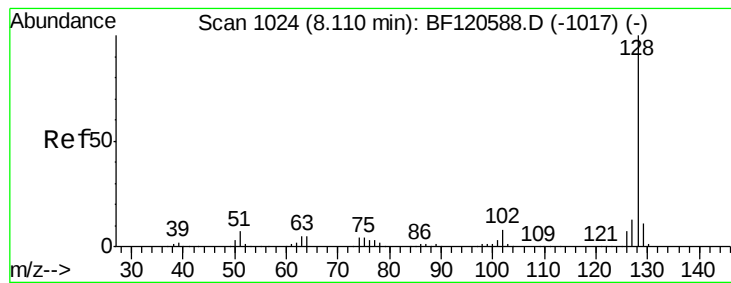
Abundance

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

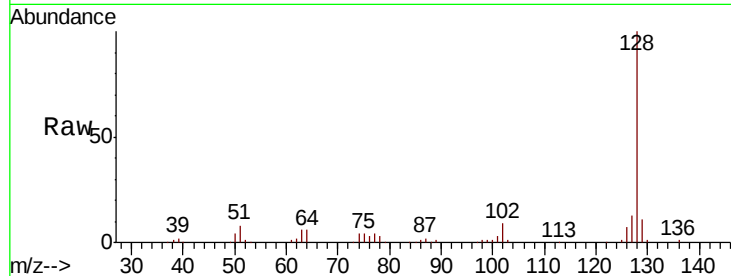
Tot Ion:128 Resp: 284247

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

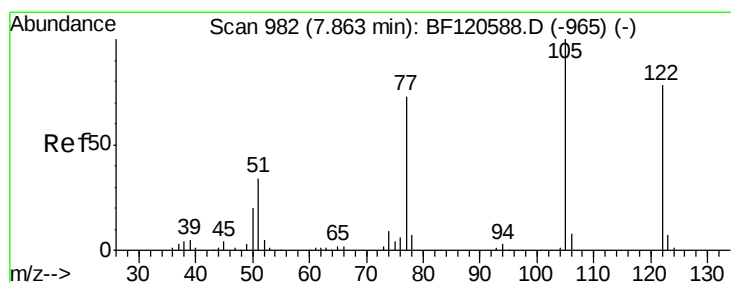
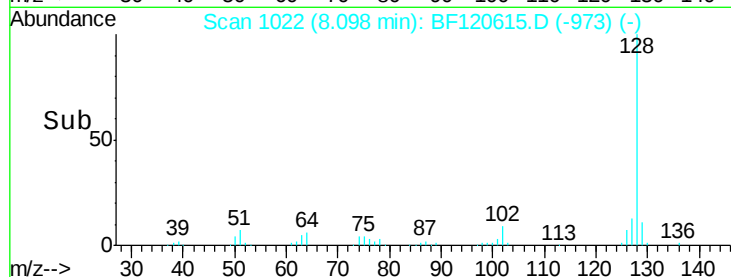
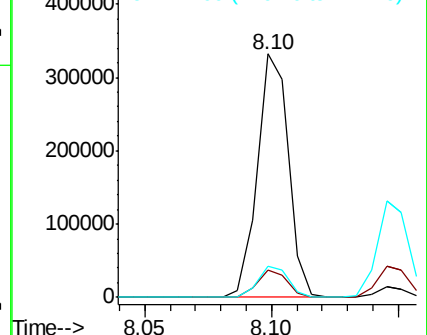
127 13.0 10.6 15.8



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

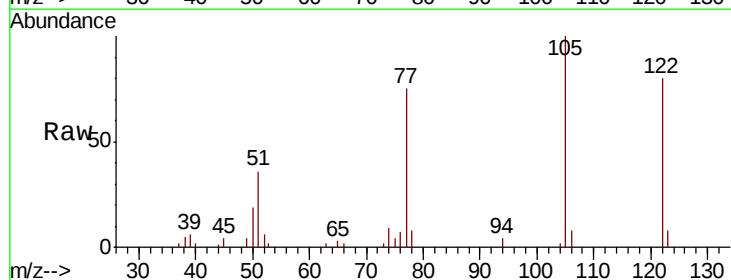
Tgt Ion:122 Resp: 29192

Ion Ratio Lower Upper

122 100

105 125.4 101.0 141.0

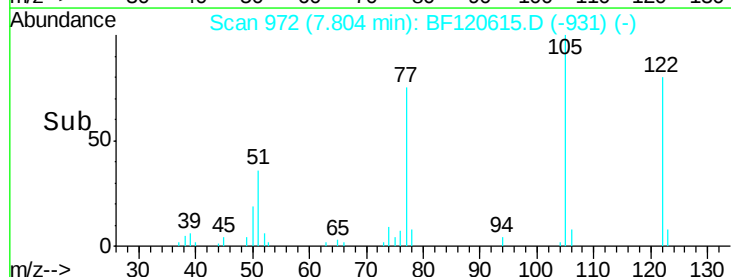
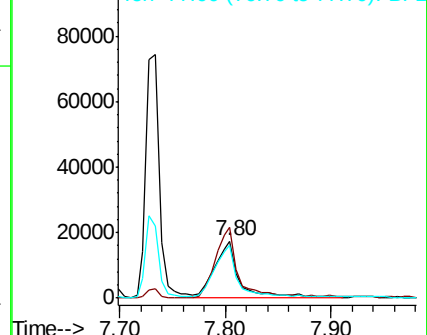
77 94.0 69.8 109.8



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

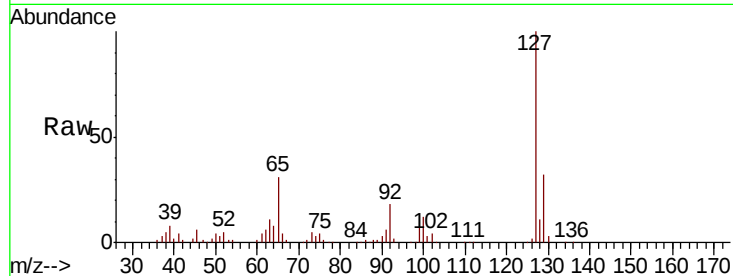




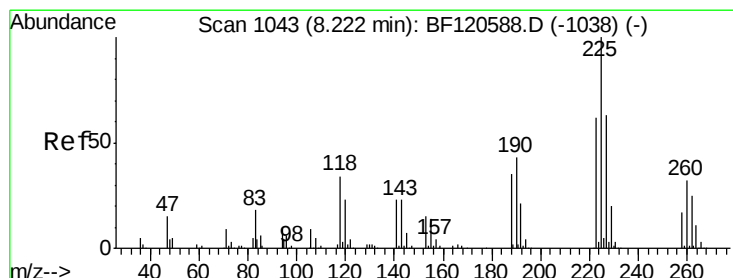
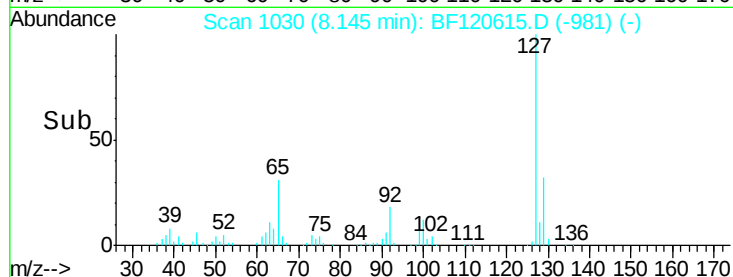
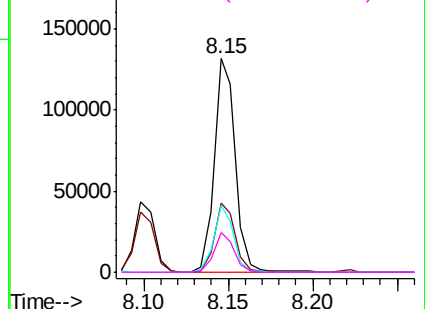
#33
4-Chloroaniline
Concen: 9.536 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

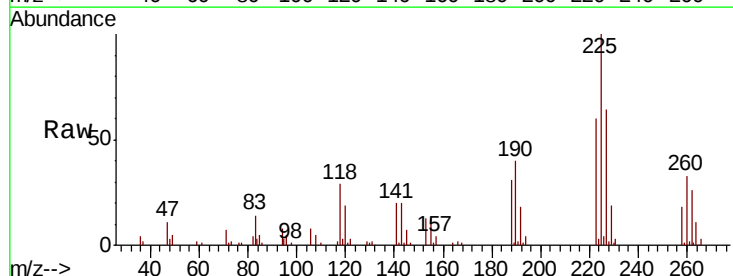


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

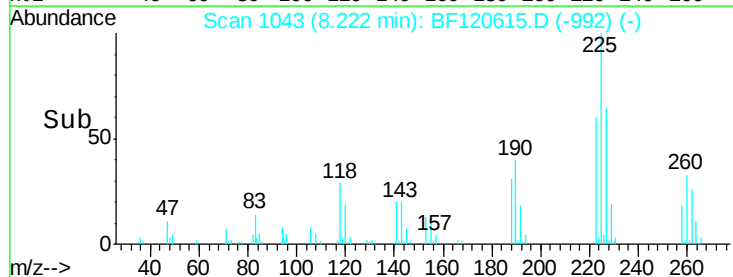
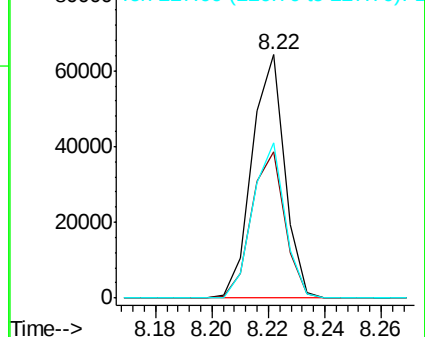


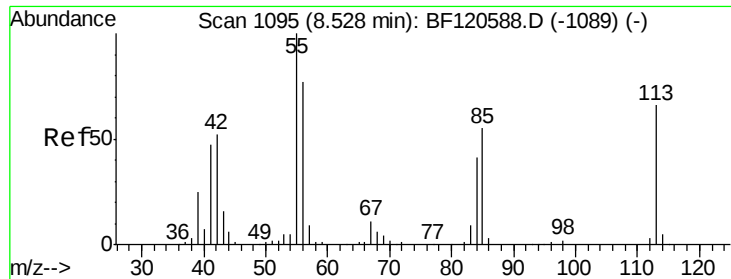
#34
Hexachlorobutadiene
Concen: 10.034 ng
RT: 8.22 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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



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

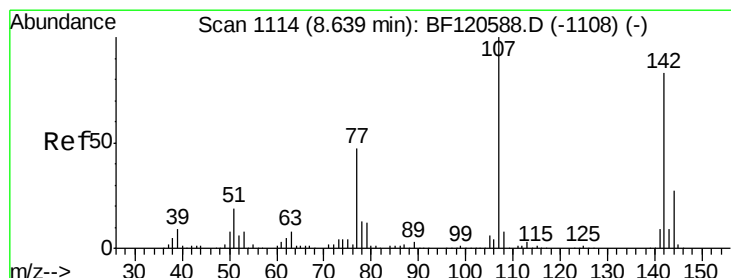
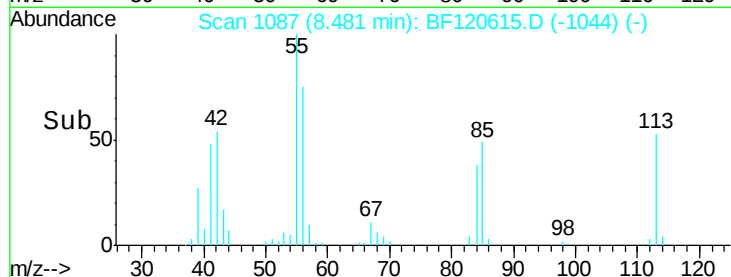
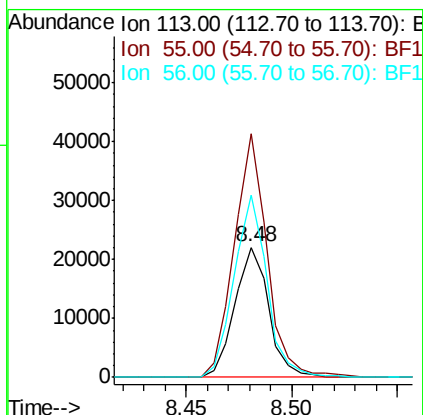
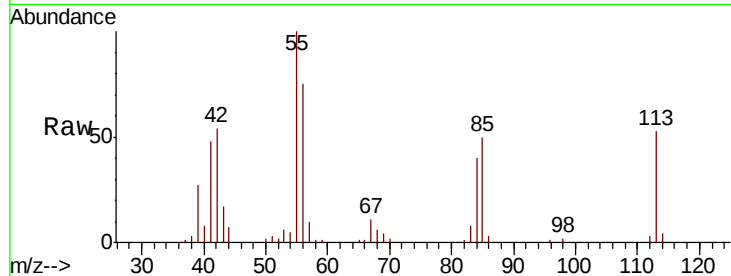




#35
Caprolactam
Concen: 9.616 ng
RT: 8.48 min Scan# 1087
Delta R.T. -0.05 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

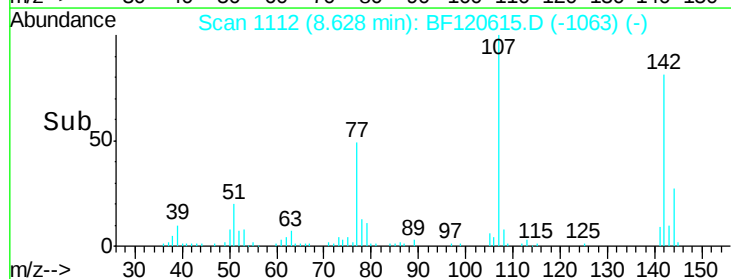
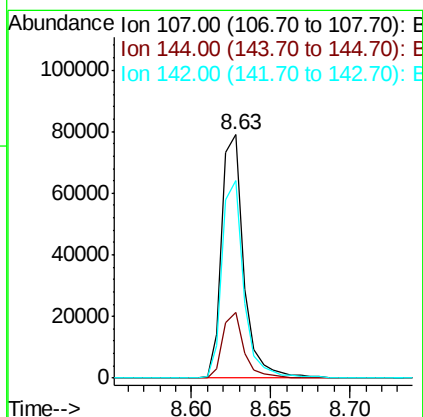
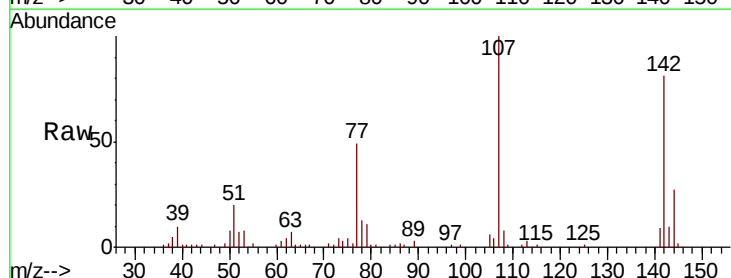
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

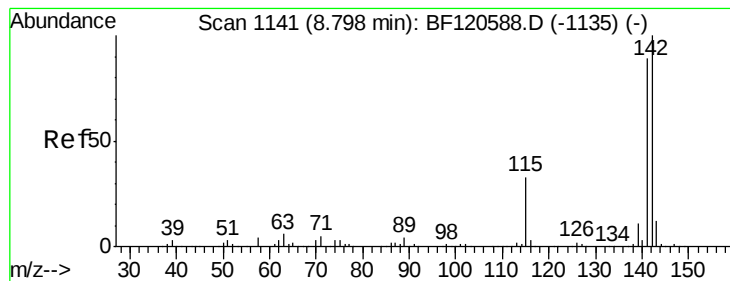
Tot Ion:113 Resp: 24463
Ion Ratio Lower Upper
113 100
55 187.5 133.1 173.1#
56 140.1 98.4 138.4#



#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

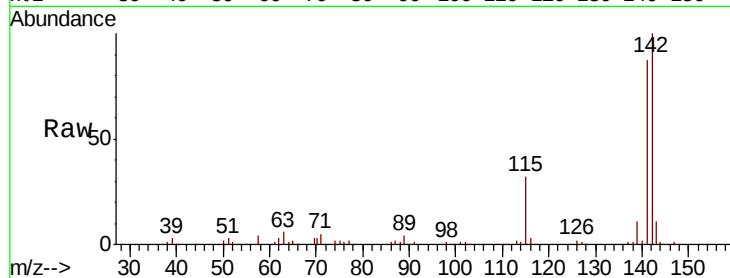
Tot Ion:142 Resp: 184598

Ion Ratio Lower Upper

142 100

141 87.3 71.4 107.0

115 31.5 26.1 39.1



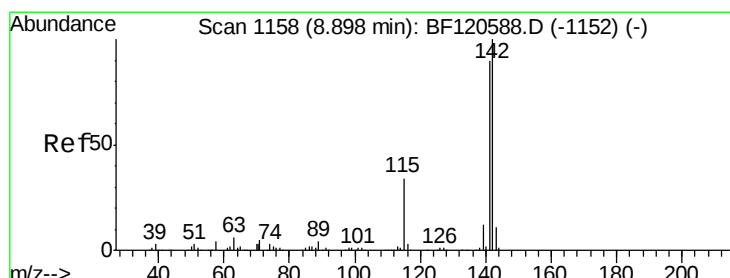
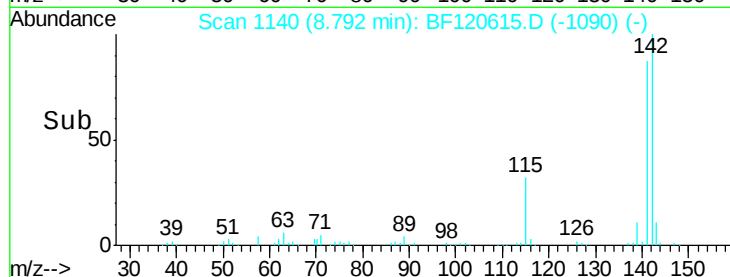
Abundance Ion 142.00 (141.70 to 142.70): E

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

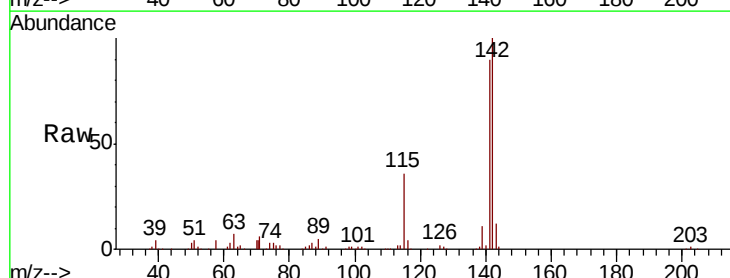
Tgt Ion:142 Resp: 174503

Ion Ratio Lower Upper

142 100

141 90.1 72.1 108.1

116 3.6 2.7 4.1



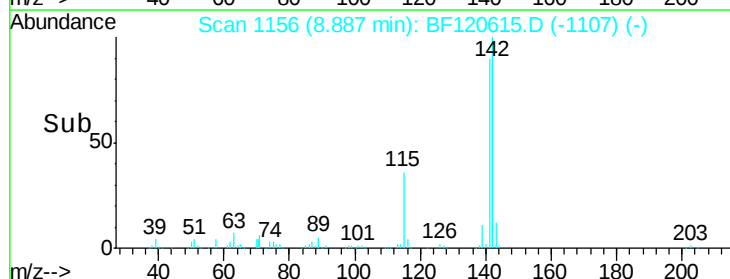
Abundance Ion 142.00 (141.70 to 142.70): E

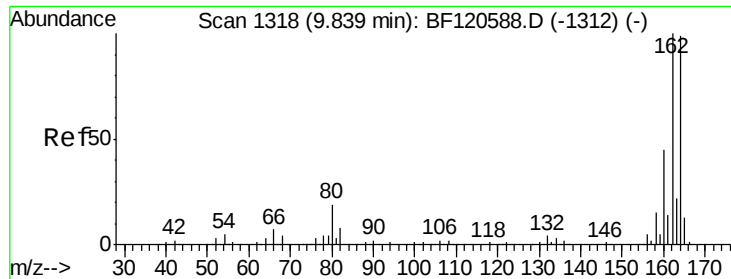
Ion 141.00 (140.70 to 141.70): E

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

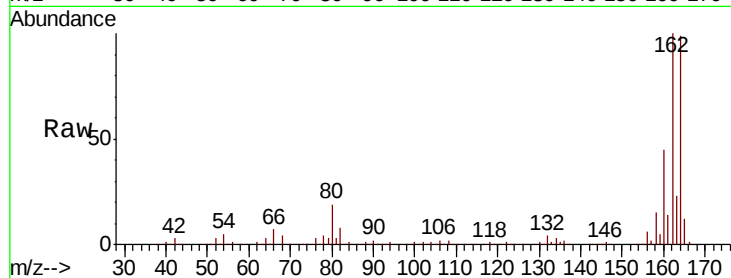
Tot Ion:164 Resp: 282526

Ion Ratio Lower Upper

164 100

162 101.3 80.6 120.8

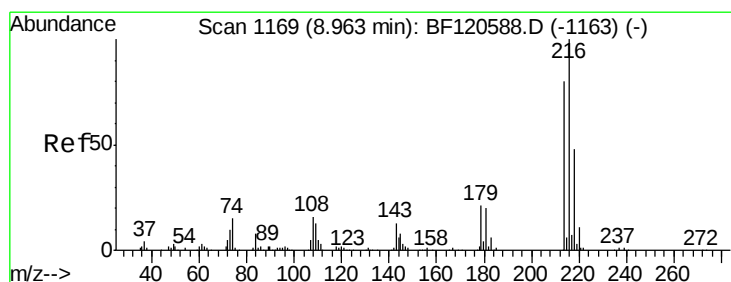
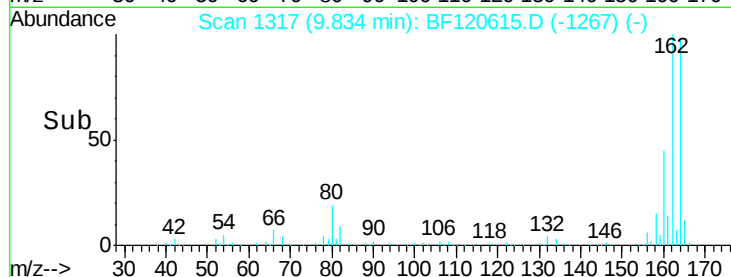
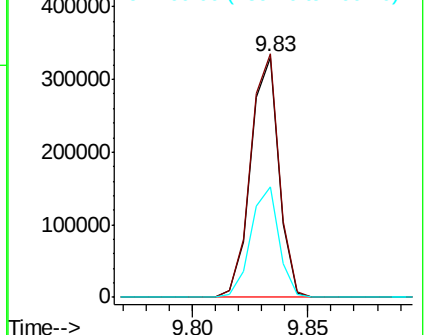
160 46.0 36.2 54.2



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

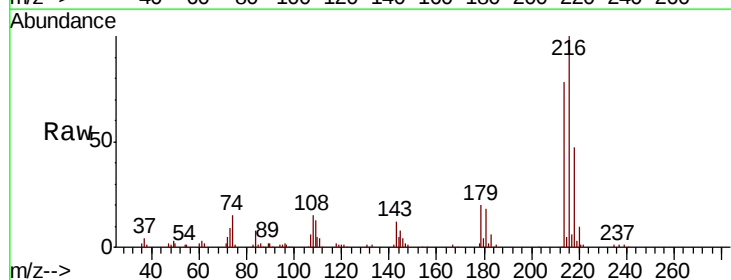
Ion Ratio Lower Upper

216 100

214 78.6 63.8 95.6

179 20.4 16.4 24.6

108 18.0 13.8 20.8

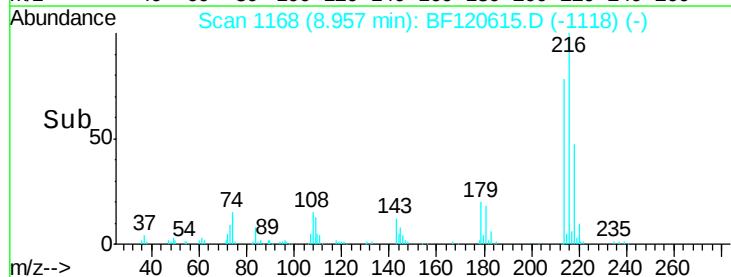
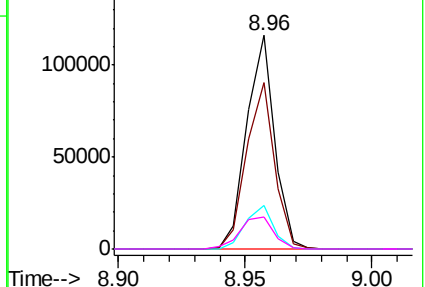


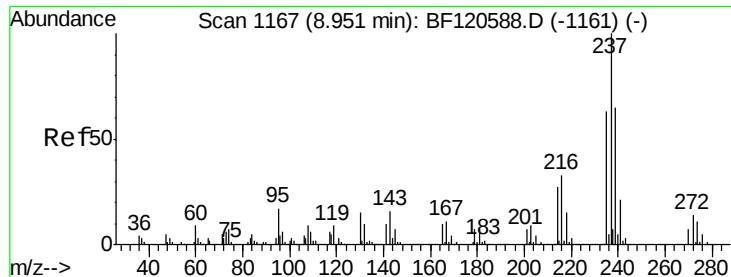
Abundance Ion 216.00 (215.70 to 216.70): E

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

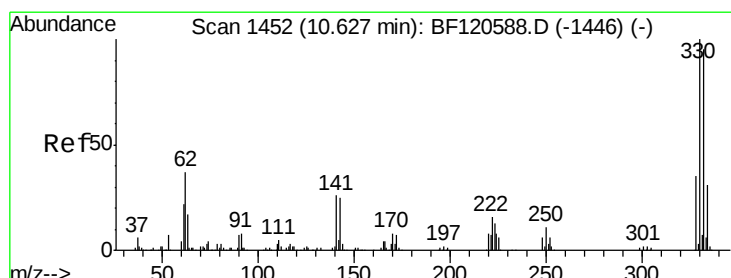
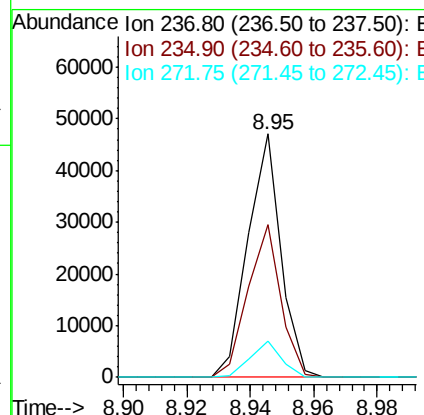
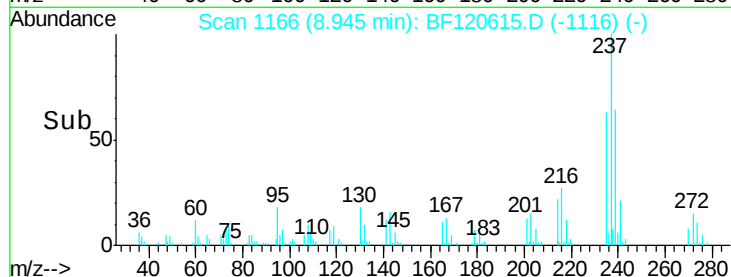
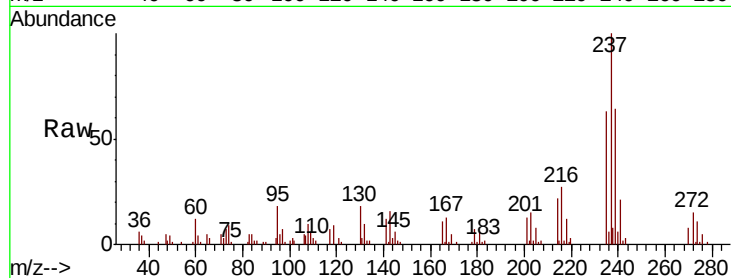




#41
Hexachlorocyclopentadiene
Concen: 7.154 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

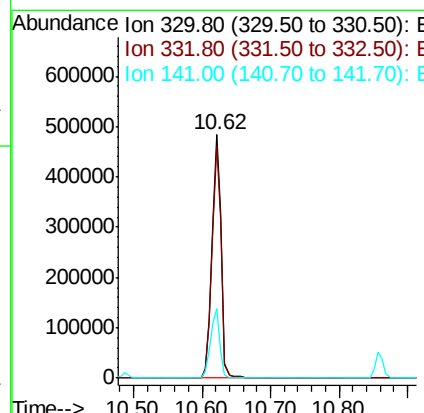
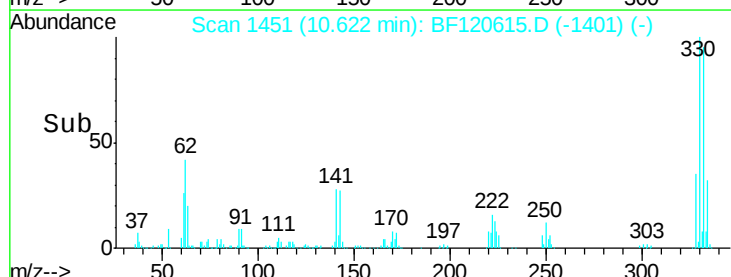
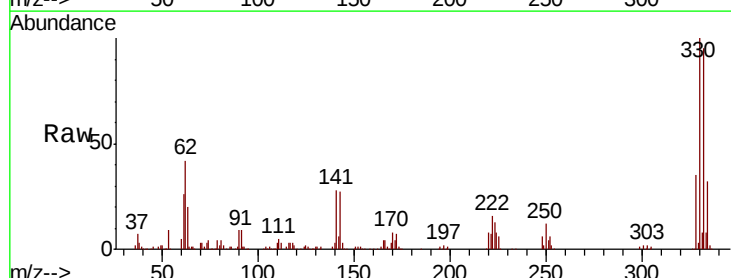
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

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



#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

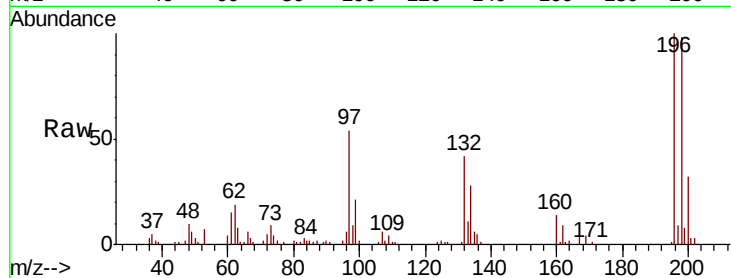




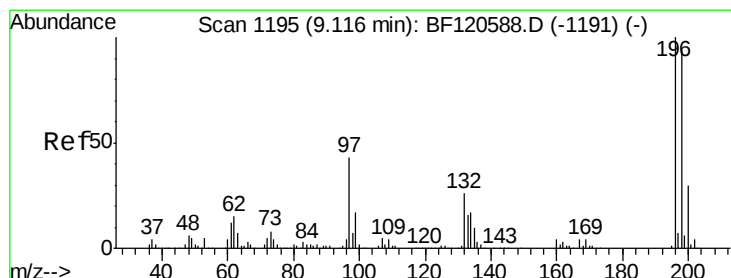
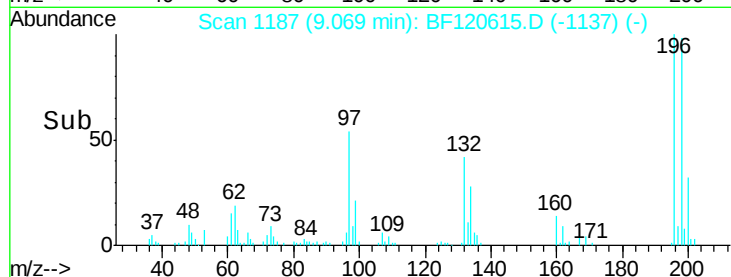
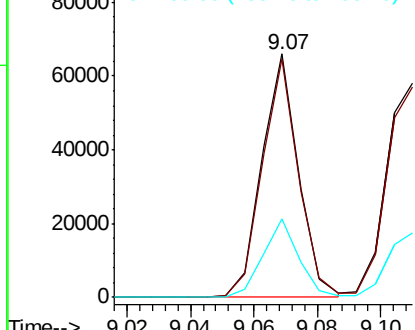
#43
 2,4,6-Trichlorophenol
 Concen: 8.833 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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

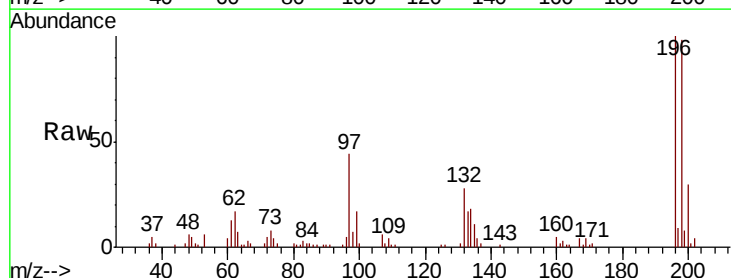


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

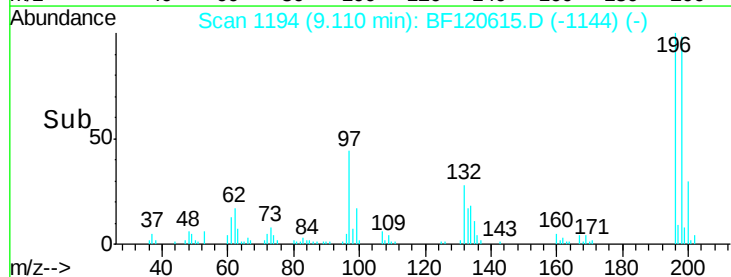
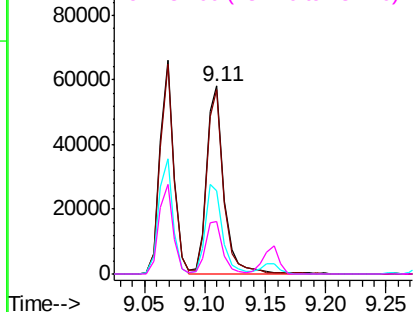


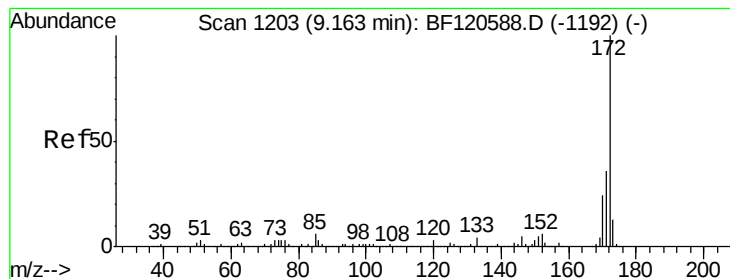
#44
 2,4,5-Trichlorophenol
 Concen: 8.472 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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



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





#45

2-Fluorobiphenyl

Concen: 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

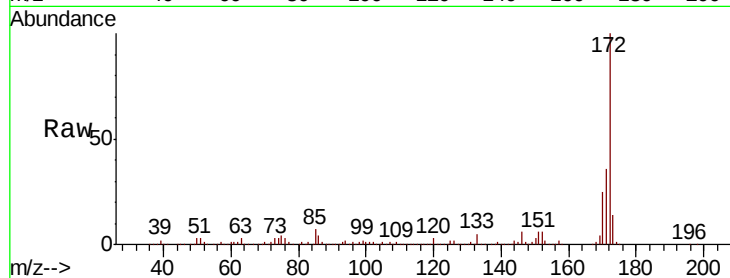
Tot Ion:172 Resp: 1709522

Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

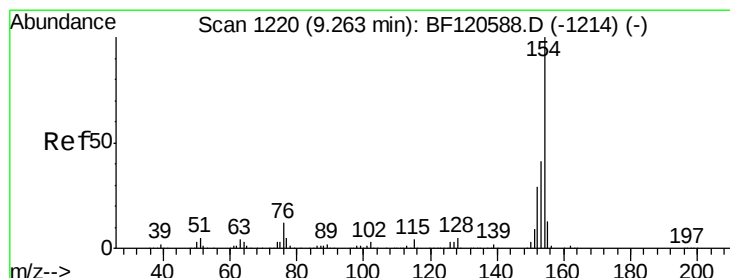
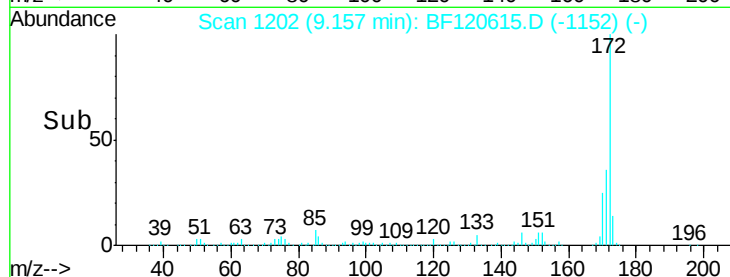
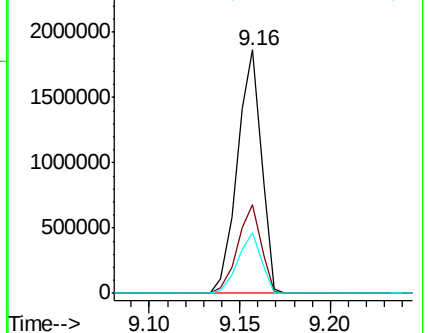
170 24.7 19.4 29.2



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

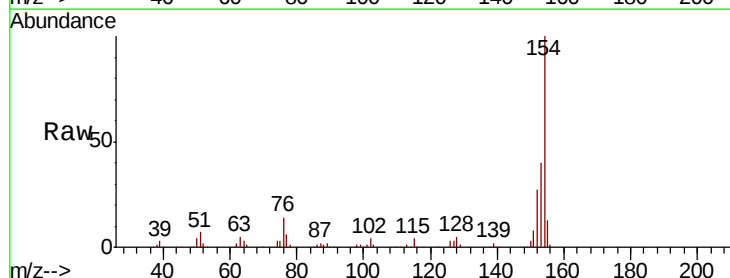
Tgt Ion:154 Resp: 236388

Ion Ratio Lower Upper

154 100

153 39.9 21.4 61.4

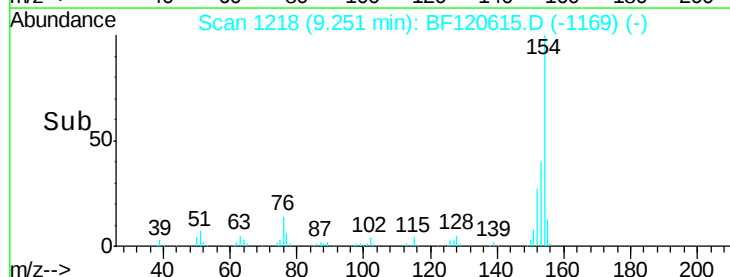
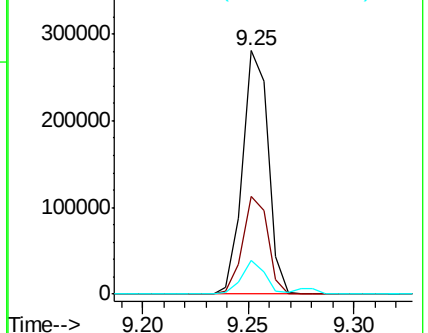
76 13.6 0.0 31.6

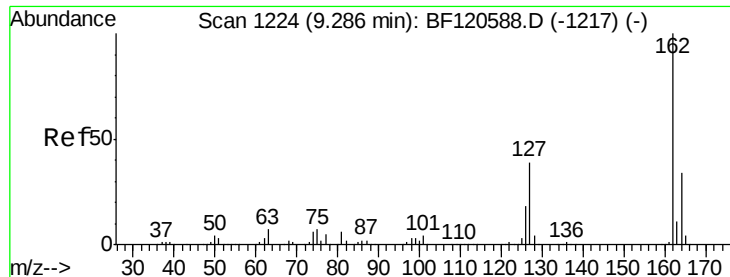


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

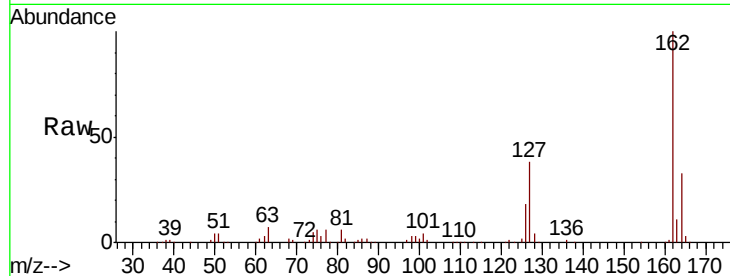




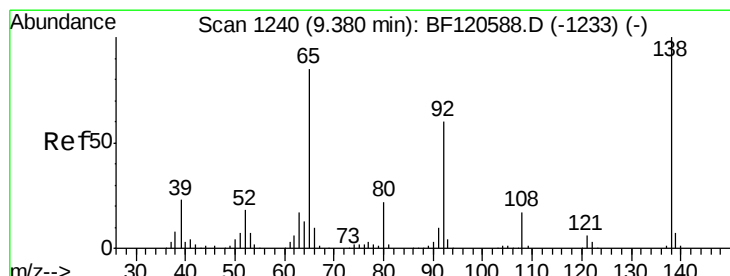
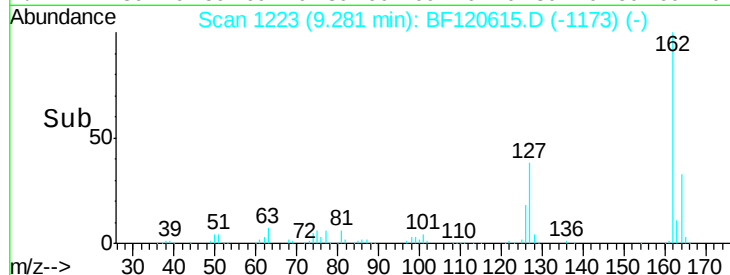
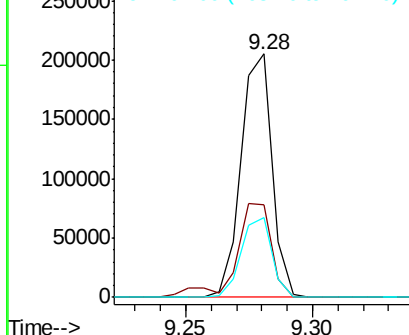
#47
2-Chloronaphthalene
Concen: 10.104 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

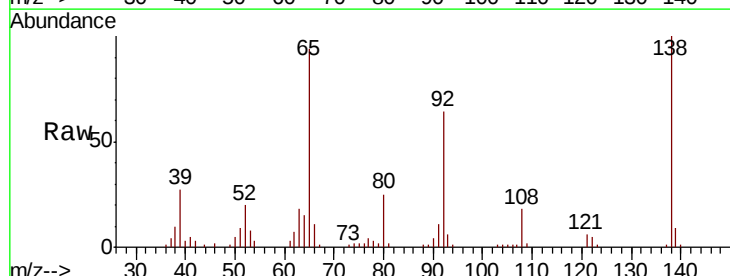


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

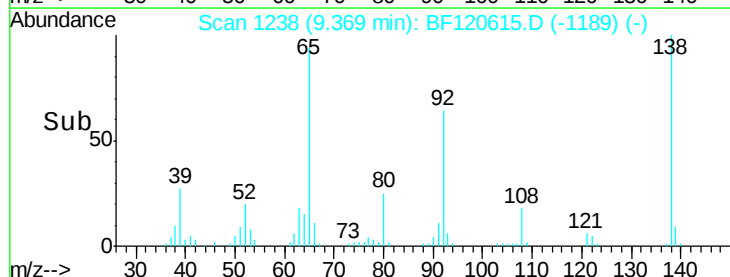
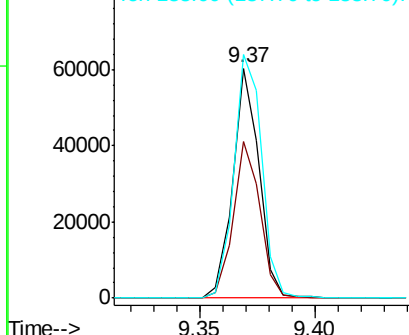


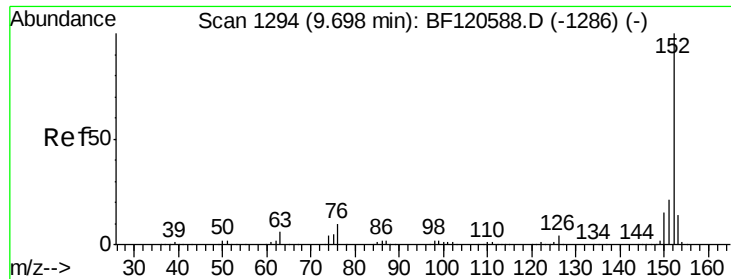
#48
2-Nitroaniline
Concen: 8.807 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

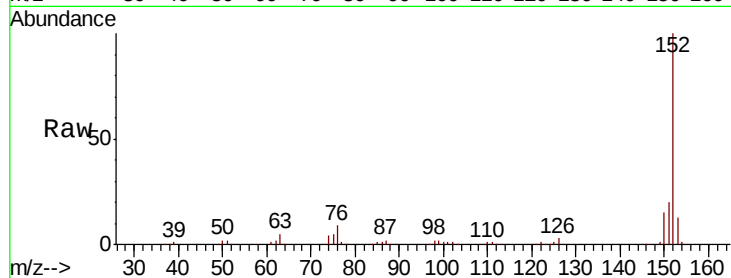
Tot Ion:152 Resp: 284991

Ion Ratio Lower Upper

152 100

151 19.9 16.6 25.0

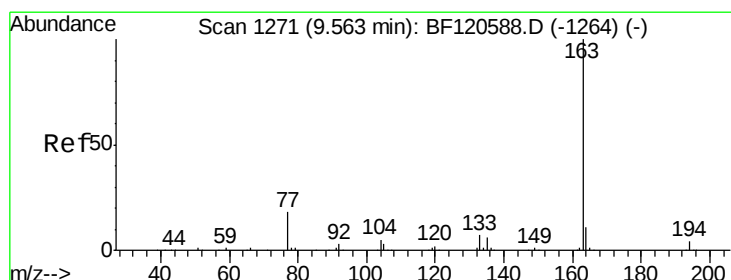
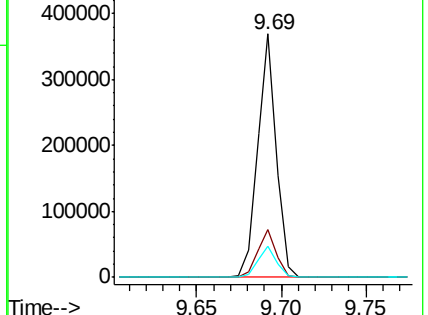
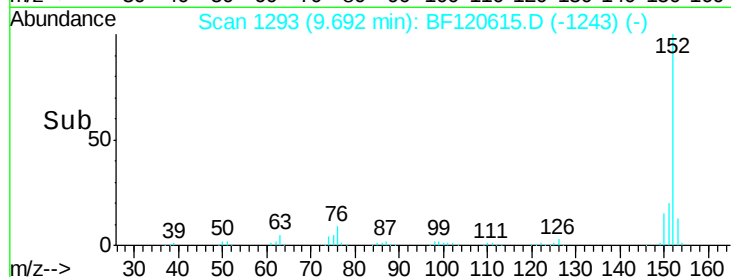
153 12.7 11.0 16.6



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

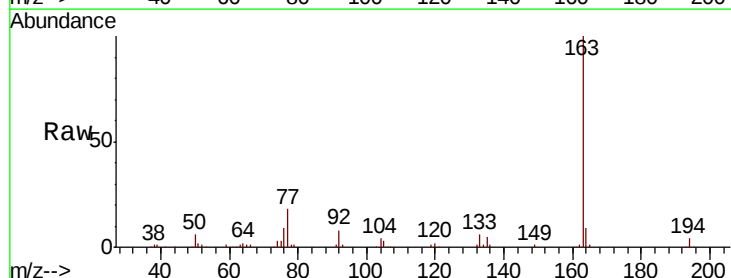
Tgt Ion:163 Resp: 196017

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

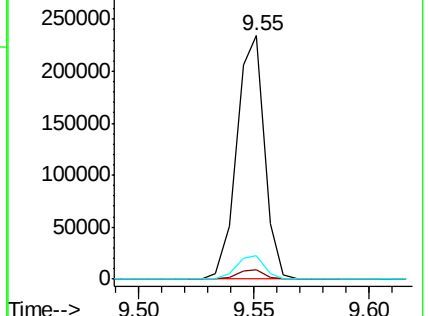
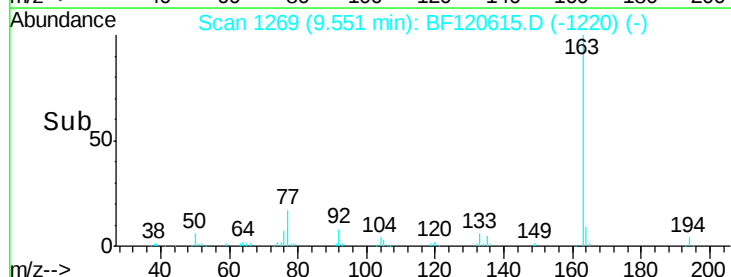
164 9.5 8.5 12.7

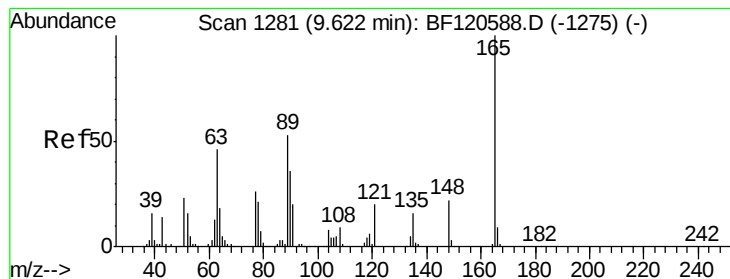


Abundance Ion 163.00 (162.70 to 163.70): E

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

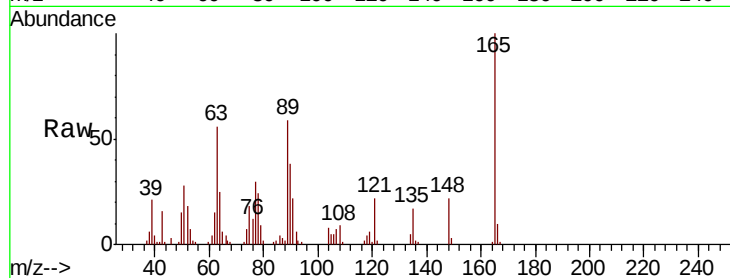
Tot Ion:165 Resp: 41520

Ion Ratio Lower Upper

165 100

63 56.2 41.7 62.5

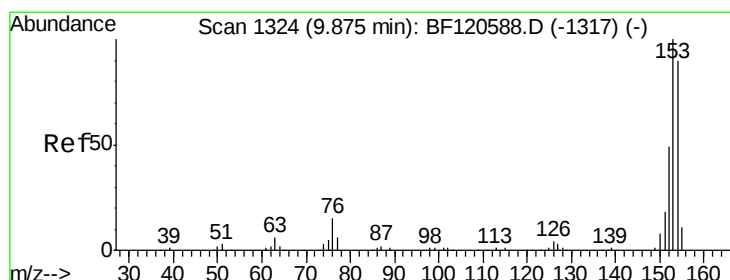
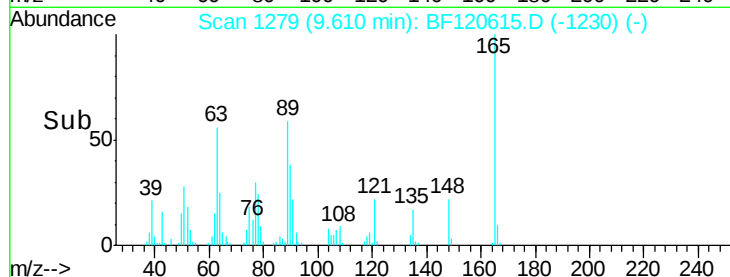
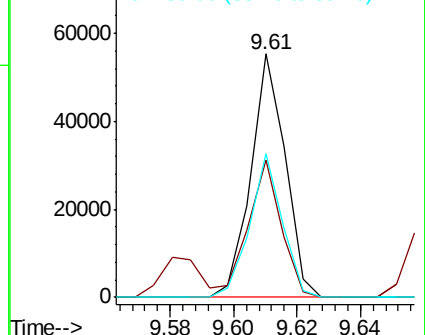
89 59.0 42.6 64.0



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

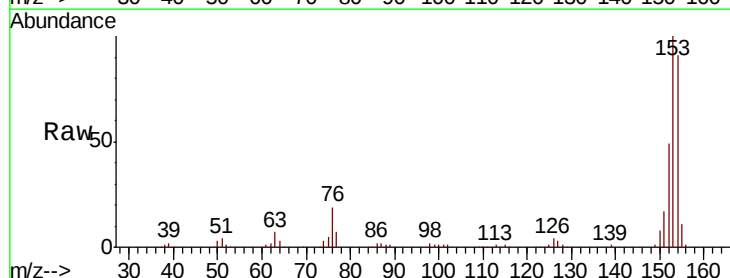
Tgt Ion:154 Resp: 174513

Ion Ratio Lower Upper

154 100

153 110.3 89.1 133.7

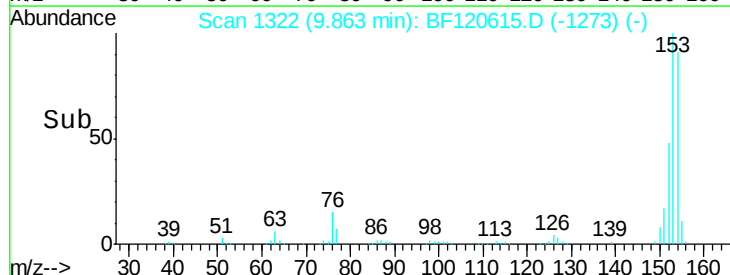
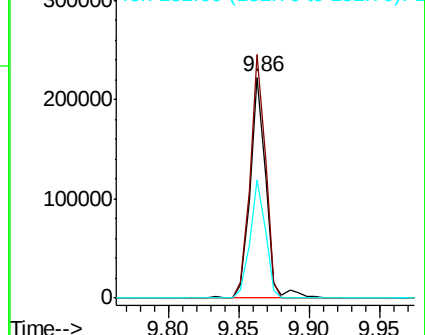
152 53.6 43.7 65.5

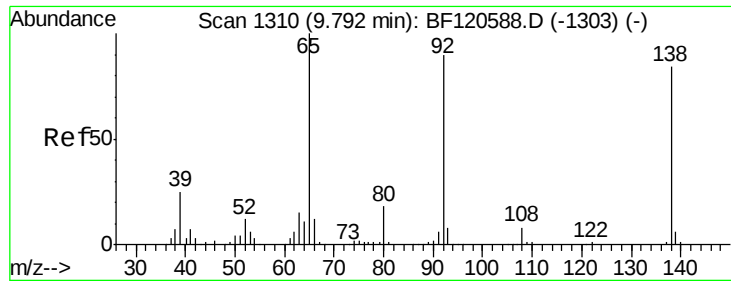


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

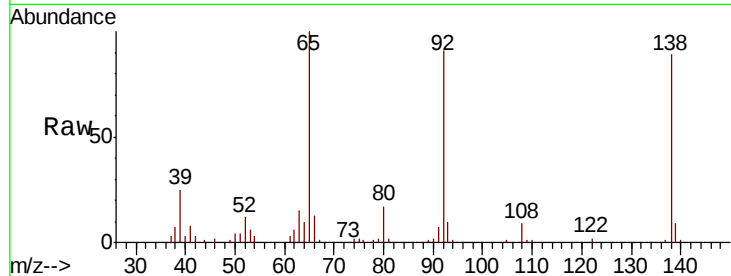




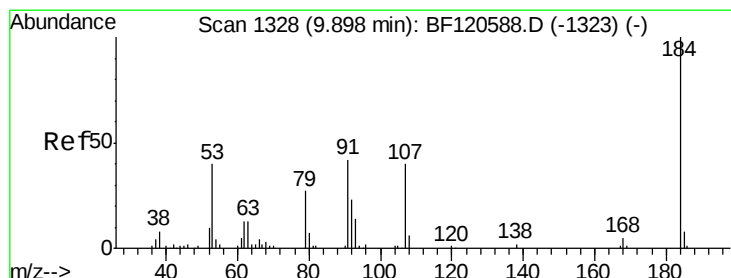
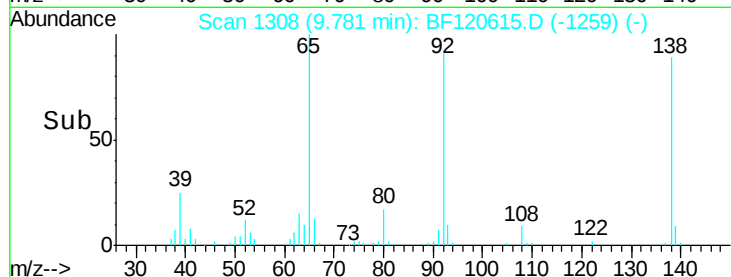
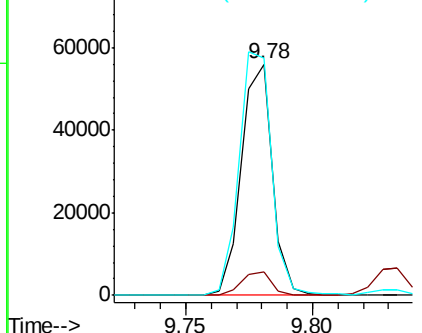
#53
 3-Nitroaniline
 Concen: 8.575 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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

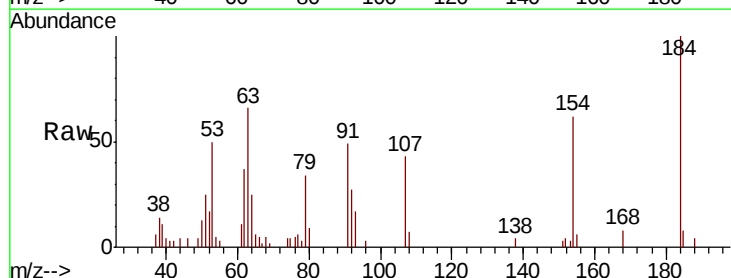


Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

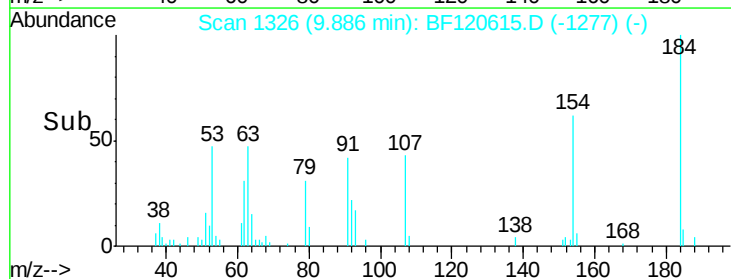
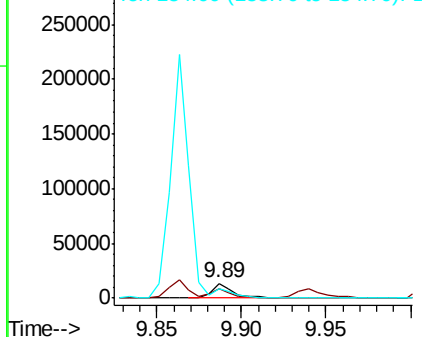


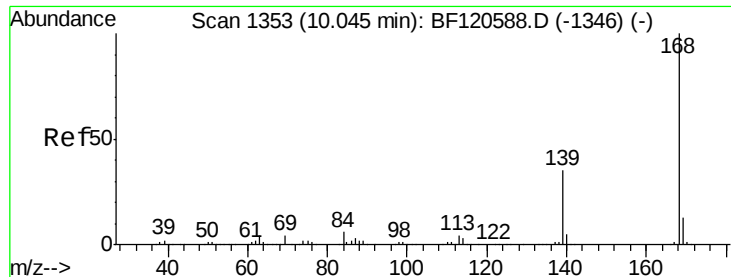
#54
 2,4-Dinitrophenol
 Concen: 5.111 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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

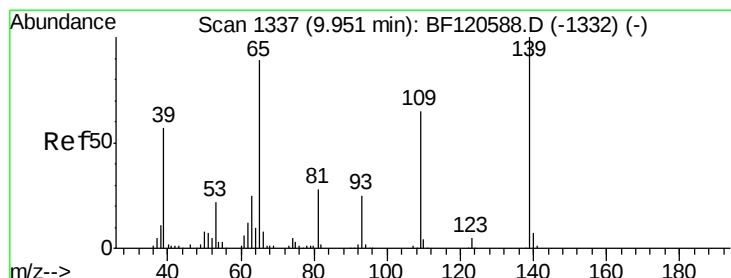
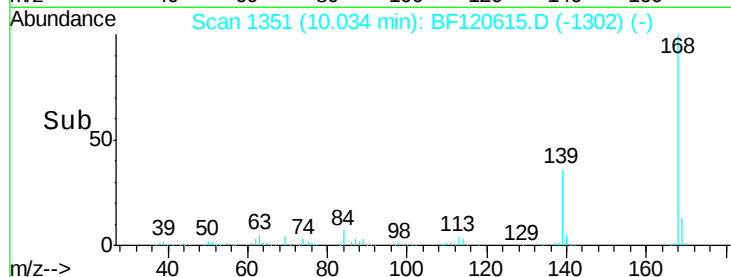
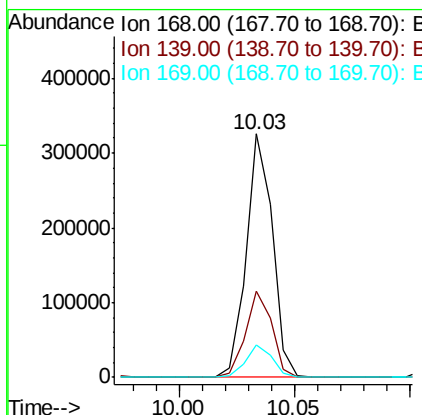
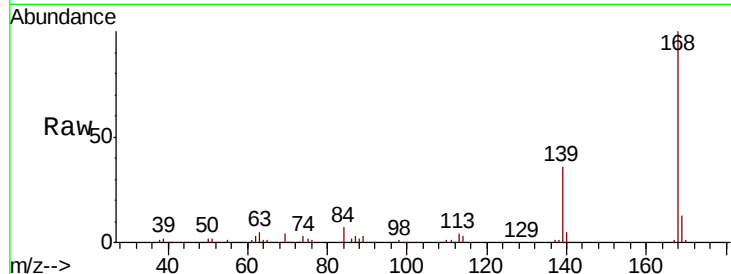




#55
Dibenzenofuran
Concen: 10.608 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

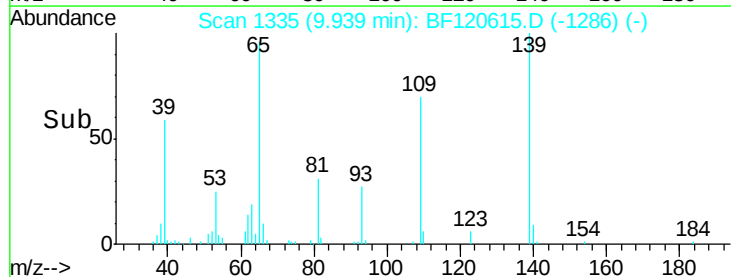
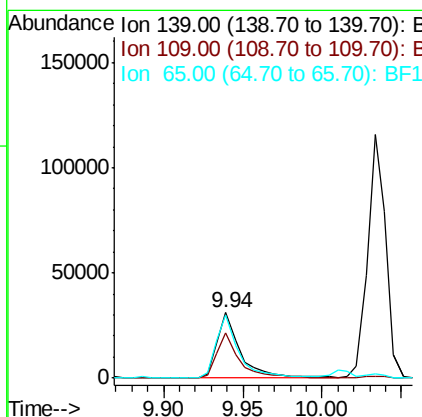
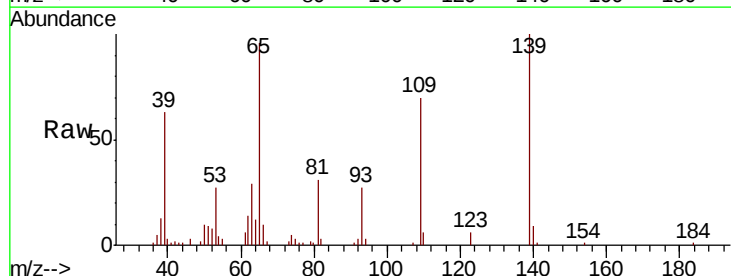
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

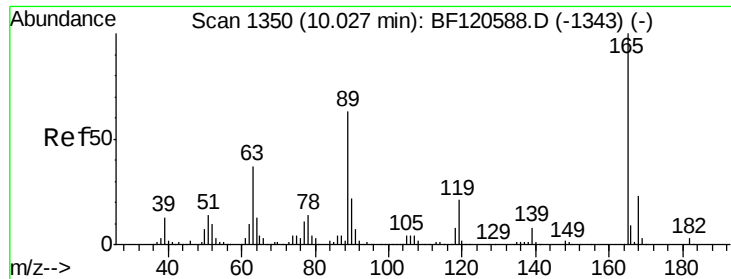
Tot Ion:168 Resp: 258286
Ion Ratio Lower Upper
168 100
139 35.5 28.1 42.1
169 13.2 10.6 16.0



#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

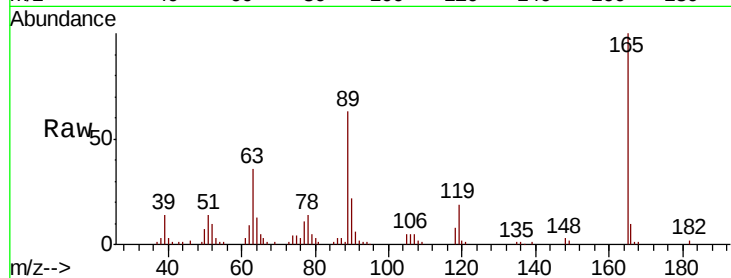




#57
 2,4-Dinitrotoluene
 Concen: 8.987 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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

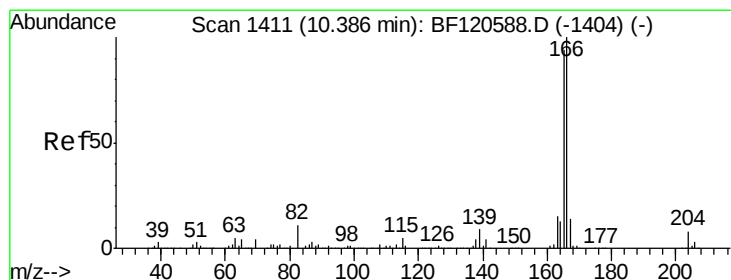
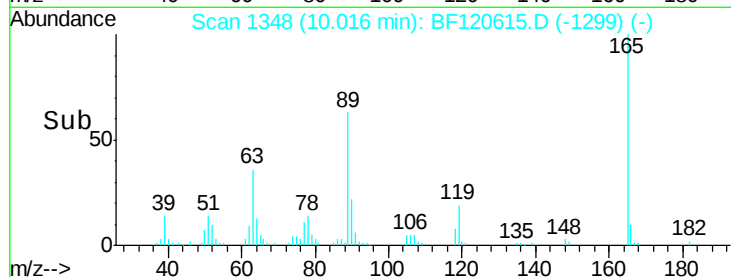
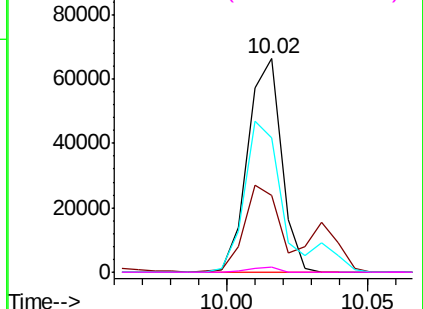


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

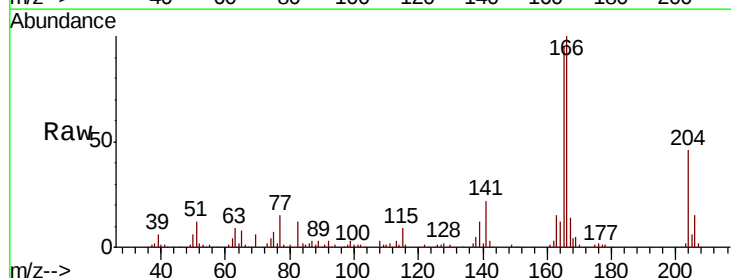
Ion 89.00 (88.70 to 89.70): BF1

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

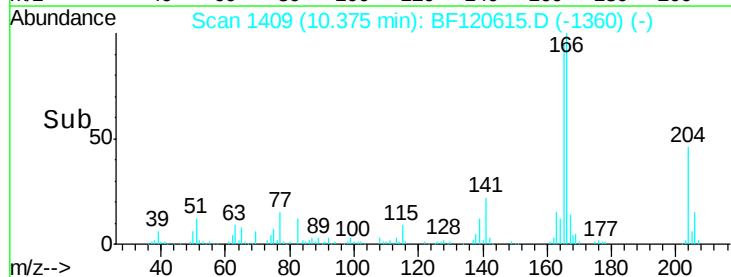
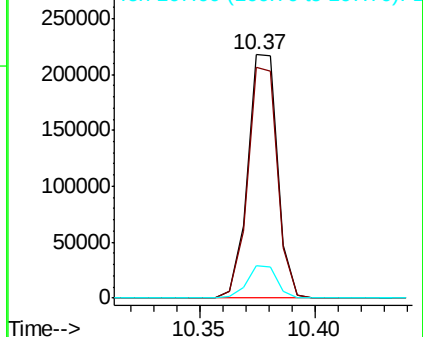
Tgt Ion:166	Resp:	196156
Ion	Ratio	Lower Upper
166	100	
165	94.7	75.0 112.6
167	13.6	11.0 16.4

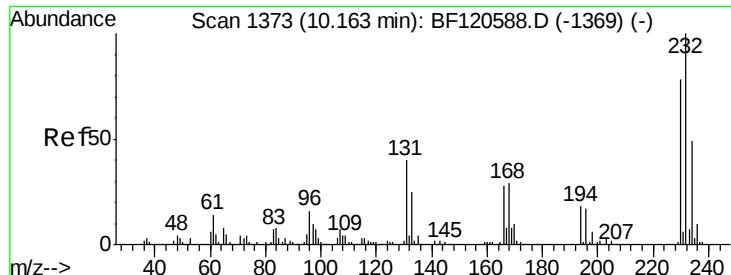


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

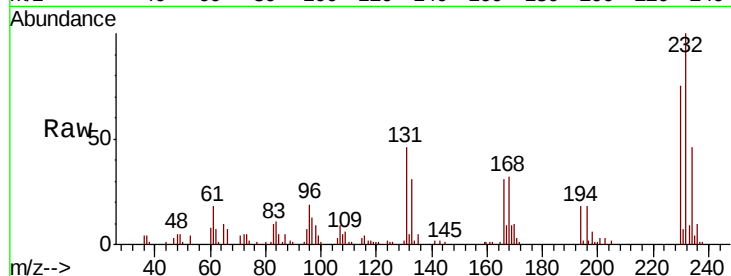




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 8.579 ng
 RT: 10.15 min Scan# 1371
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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



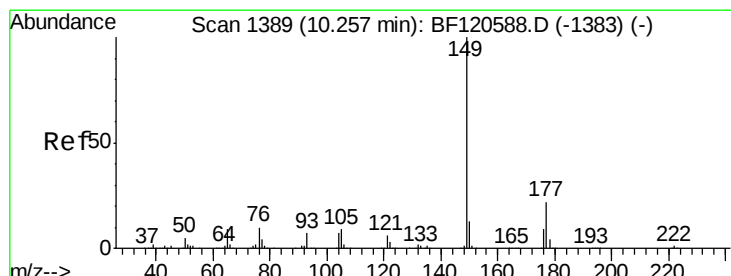
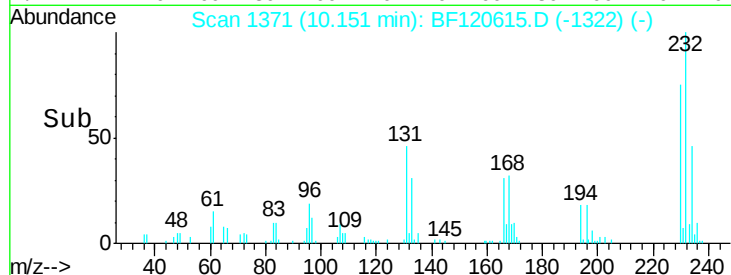
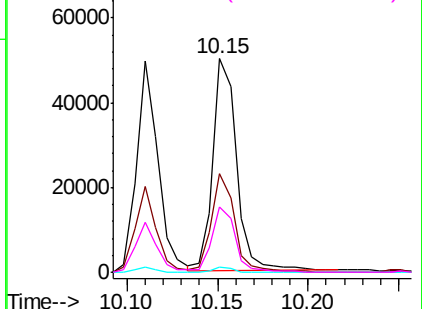
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

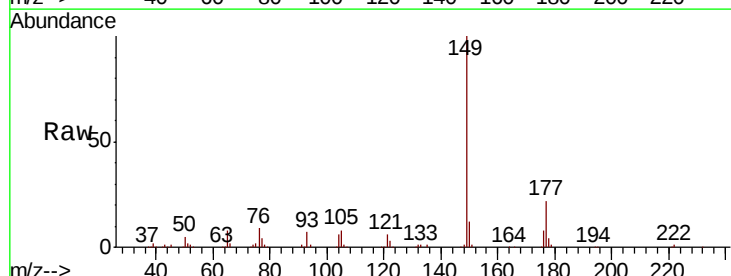
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
 Diethylphthalate
 Concen: 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

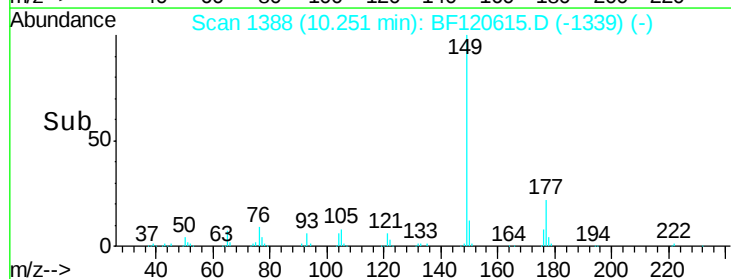
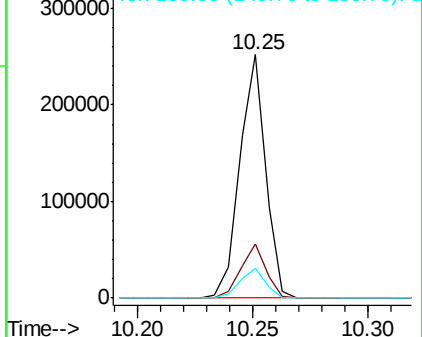


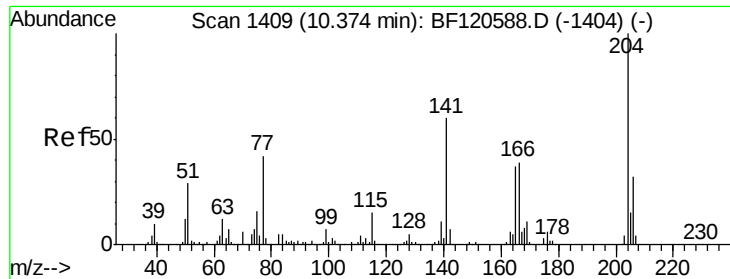
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

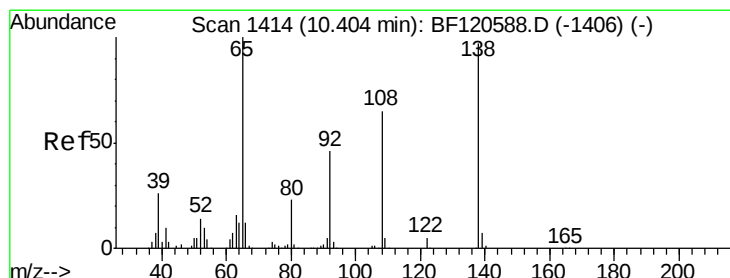
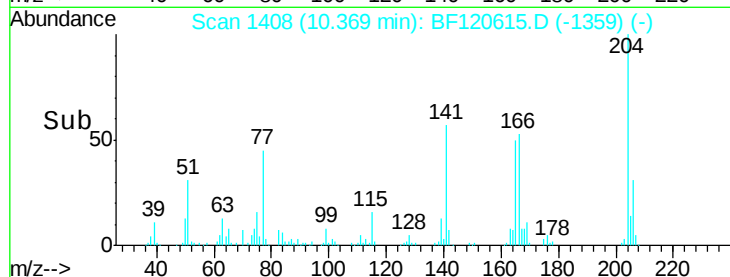
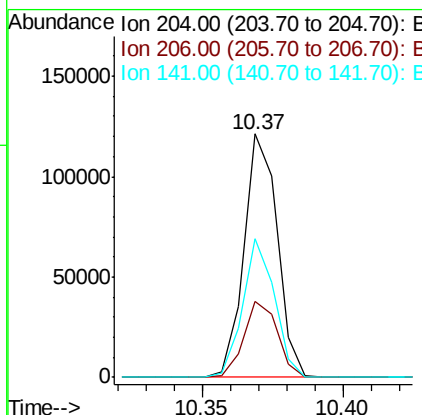
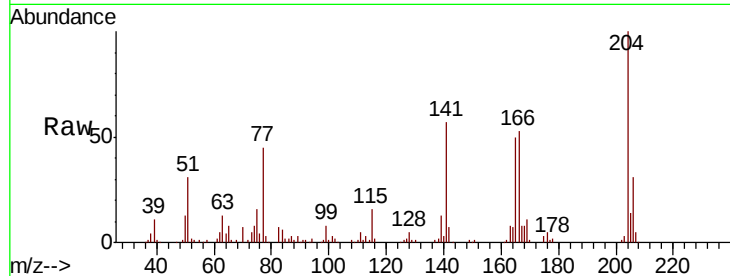




#61
4-Chlorophenyl-phenylether
Concen: 10.206 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

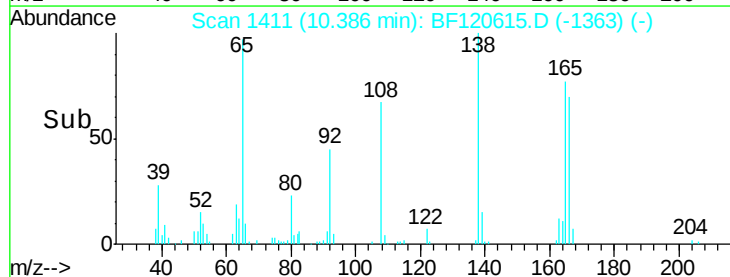
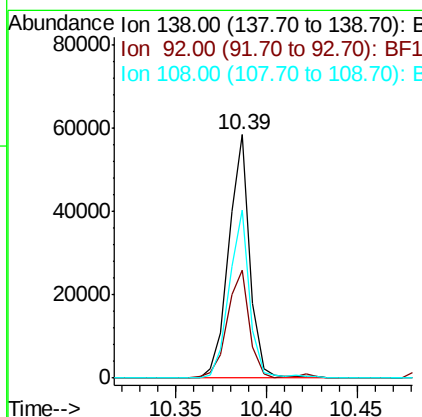
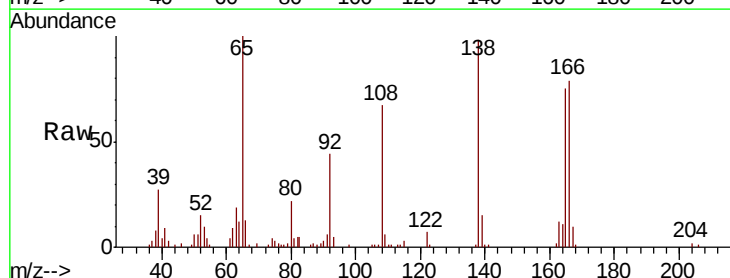
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

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

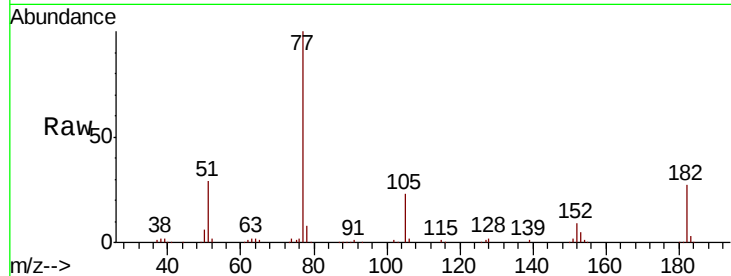
Ion Ratio Lower Upper

77 100

182 26.9 7.7 47.7

105 23.4 3.2 43.2

51 29.4 8.5 48.5

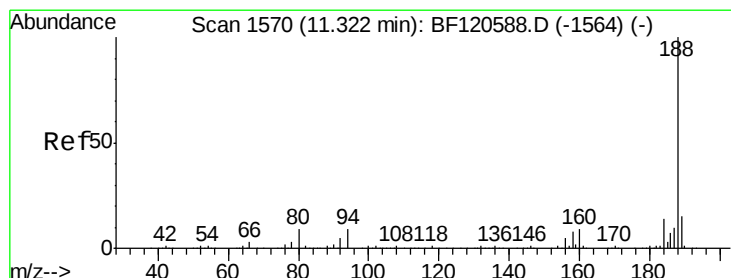
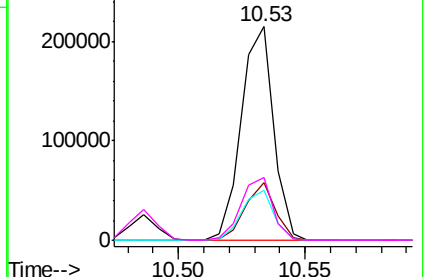
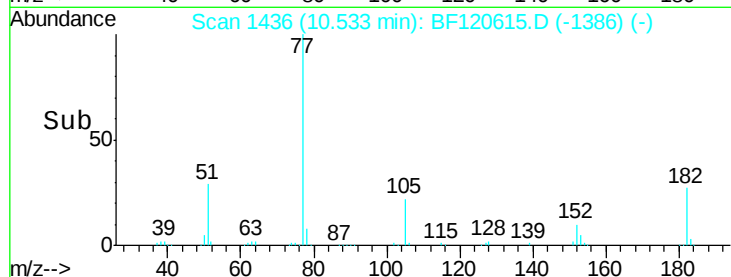


Abundance Ion 77.00 (76.70 to 77.70): BF1

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

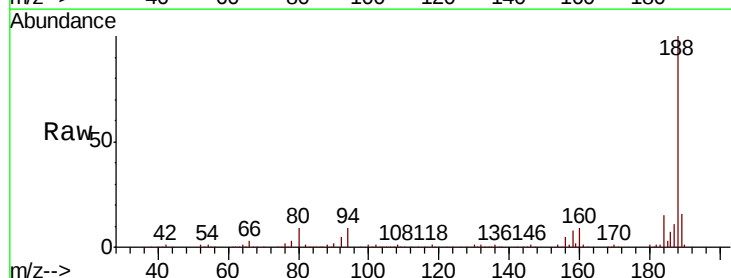
Tgt Ion: 188 Resp: 533677

Ion Ratio Lower Upper

188 100

94 9.0 7.2 10.8

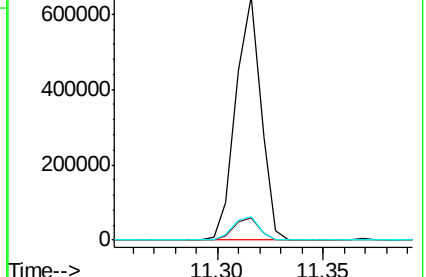
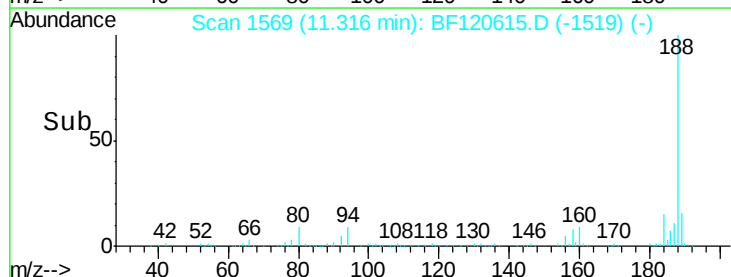
80 9.4 7.4 11.2

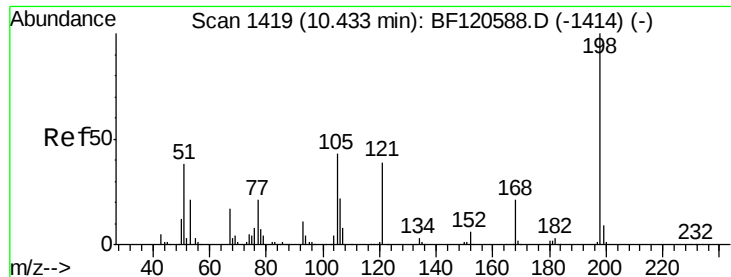


Abundance Ion 188.00 (187.70 to 188.70): BF1

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

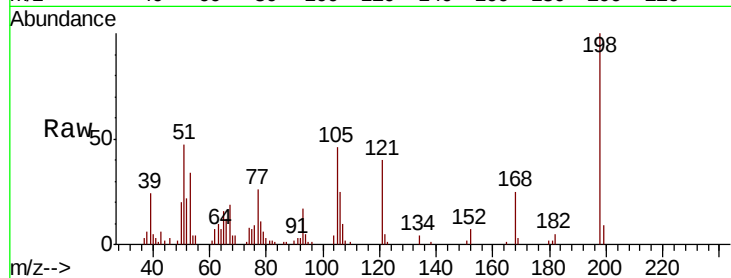
Tot Ion:198 Resp: 22139

Ion Ratio Lower Upper

198 100

51 47.2 24.8 64.8

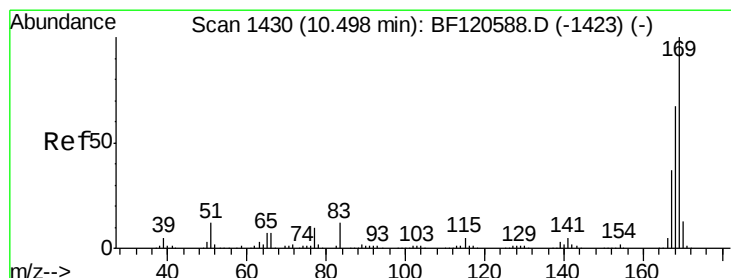
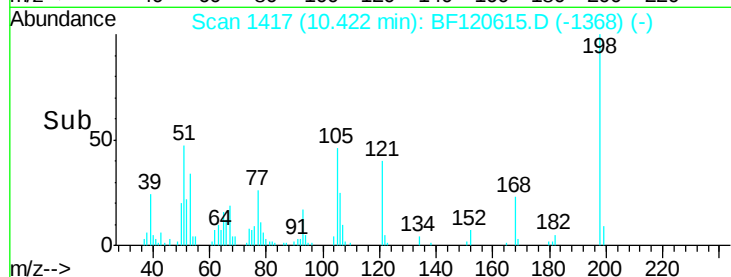
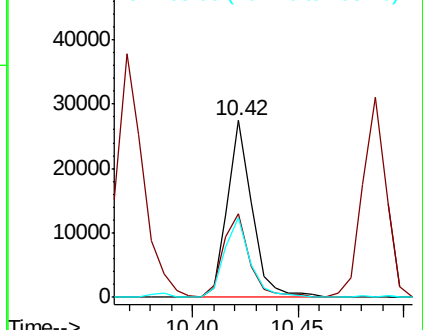
105 45.5 23.9 63.9



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

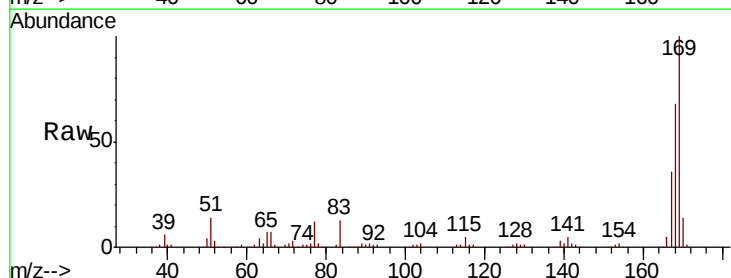
Tgt Ion:169 Resp: 172463

Ion Ratio Lower Upper

169 100

168 68.2 53.7 80.5

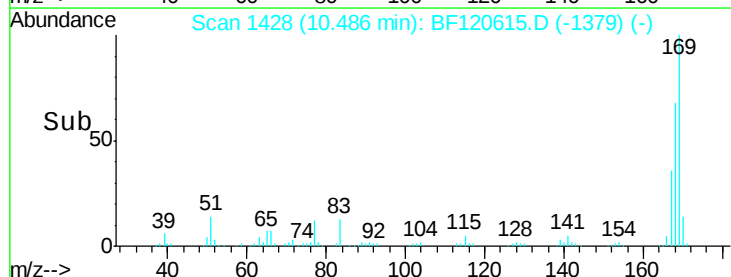
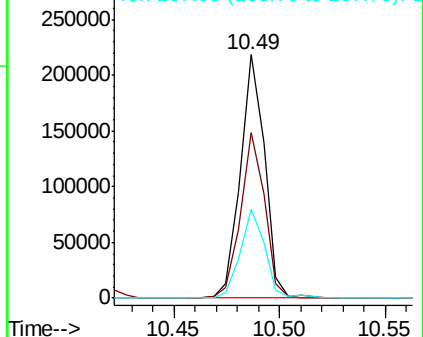
167 36.4 29.9 44.9

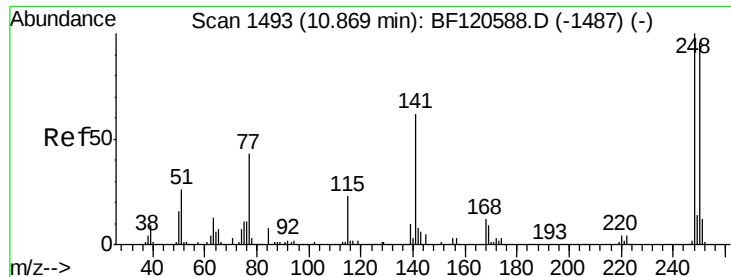


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

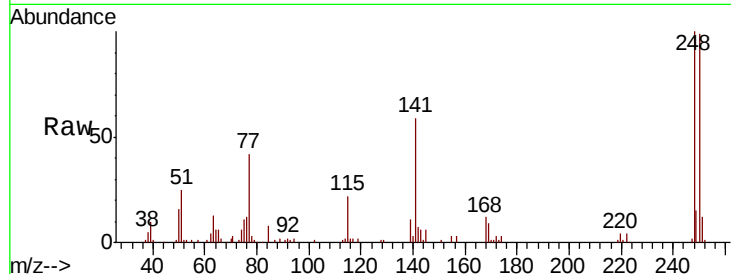




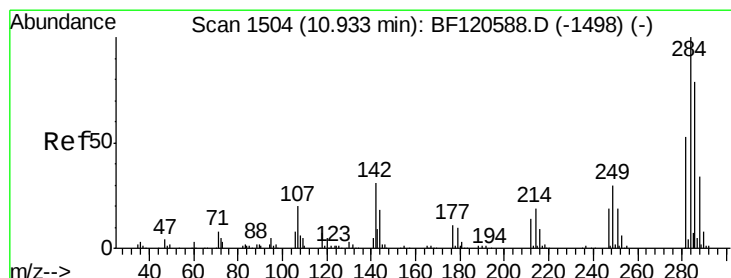
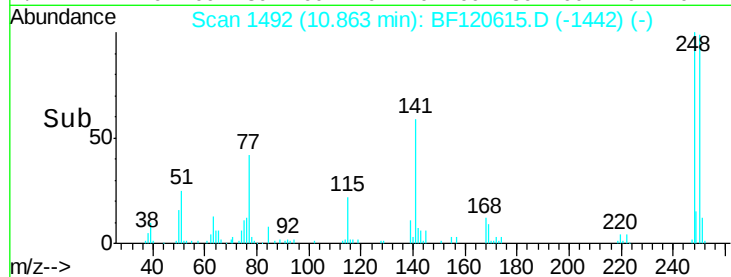
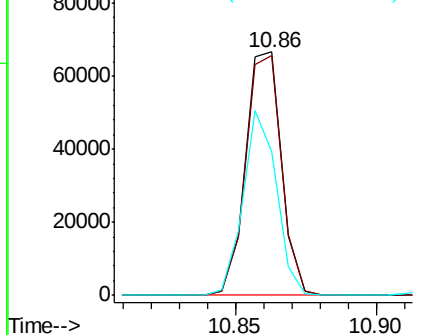
#67
 4-Bromophenyl-phenylether
 Concen: 9.733 ng
 RT: 10.86 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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

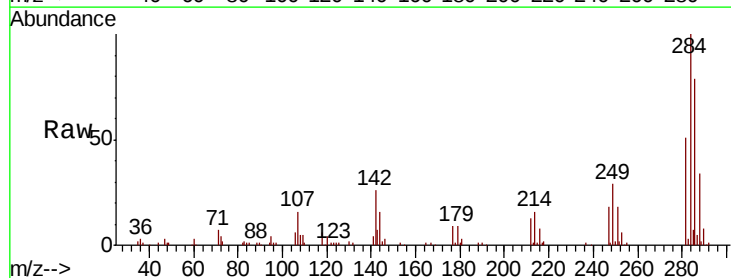


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

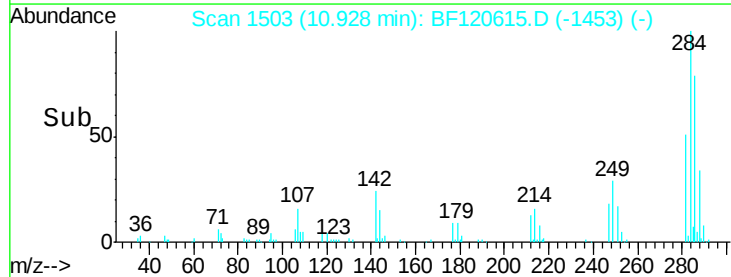
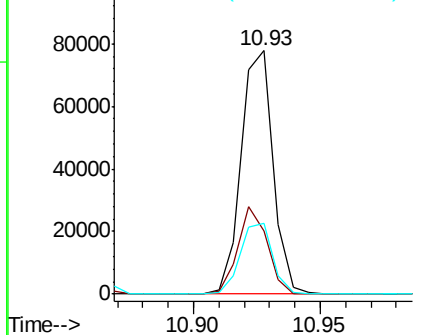


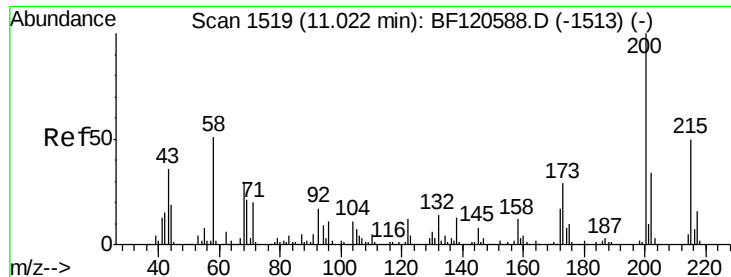
#68
 Hexachlorobenzene
 Concen: 10.424 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

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

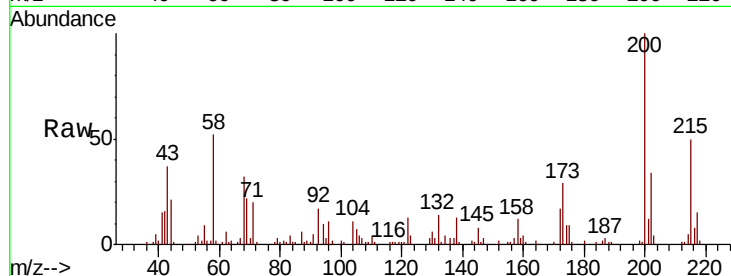
Tot Ion:200 Resp: 54571

Ion Ratio Lower Upper

200 100

173 29.4 9.1 49.1

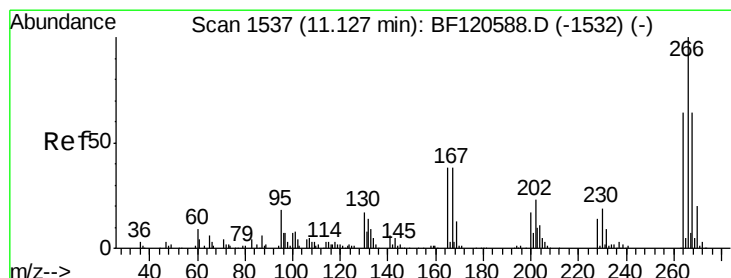
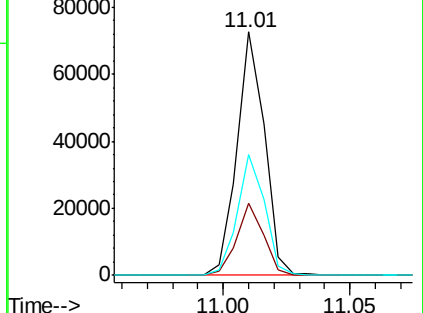
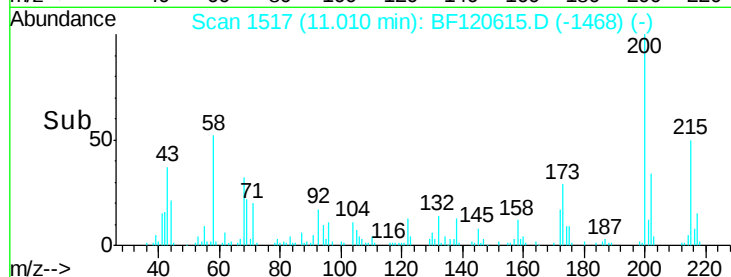
215 49.6 29.8 69.8



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

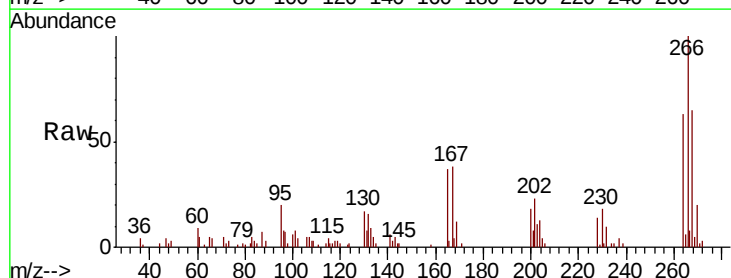
Tgt Ion:266 Resp: 24168

Ion Ratio Lower Upper

266 100

268 65.2 51.4 77.0

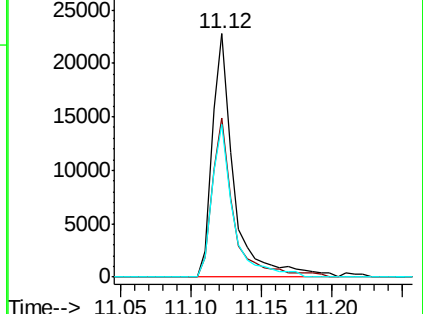
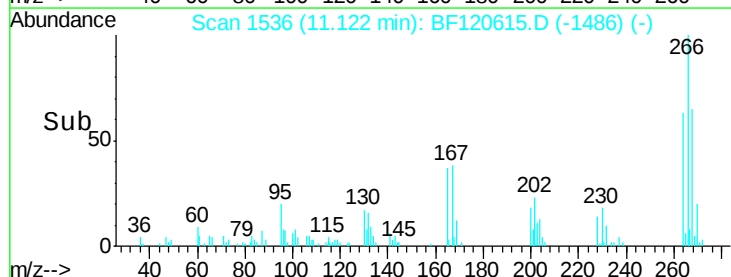
264 62.6 50.8 76.2

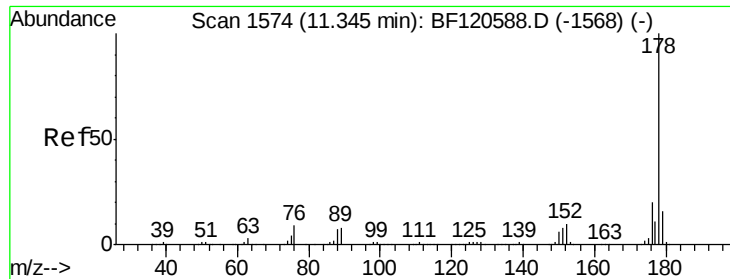


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

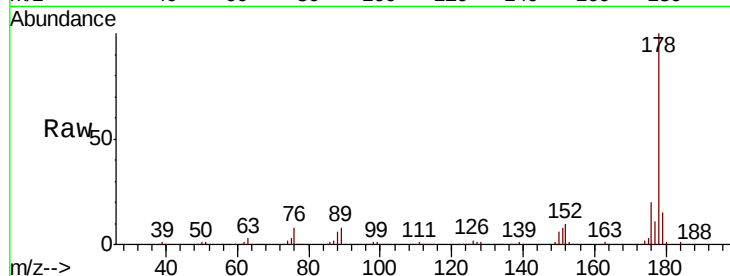




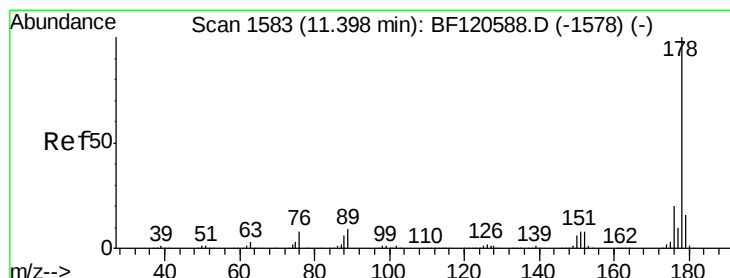
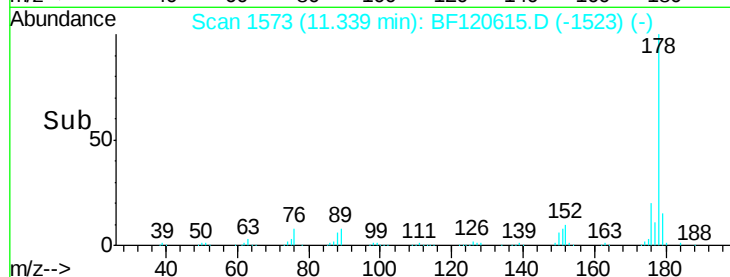
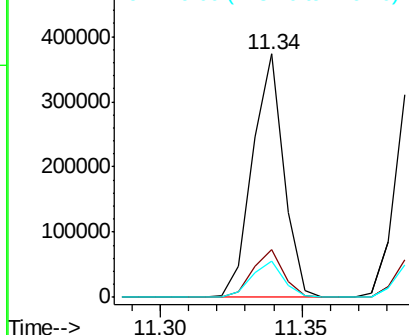
#71
Phenanthrene
Concen: 10.802 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

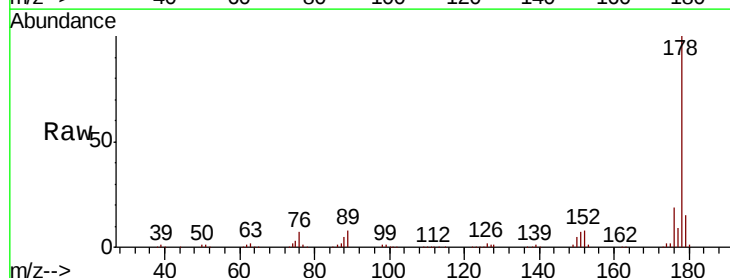


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

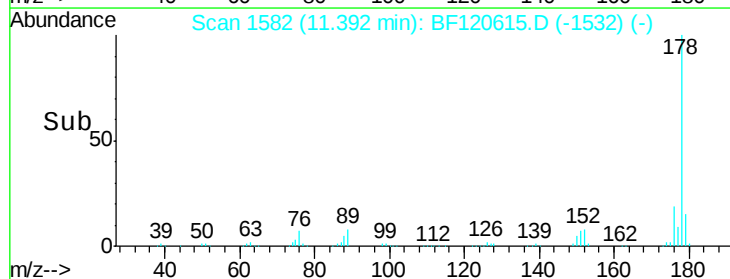
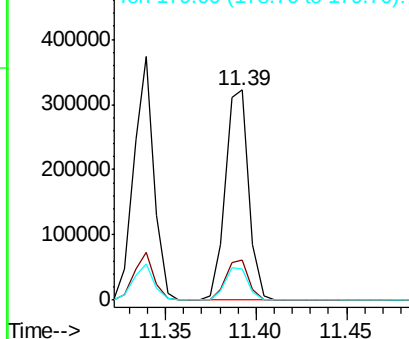


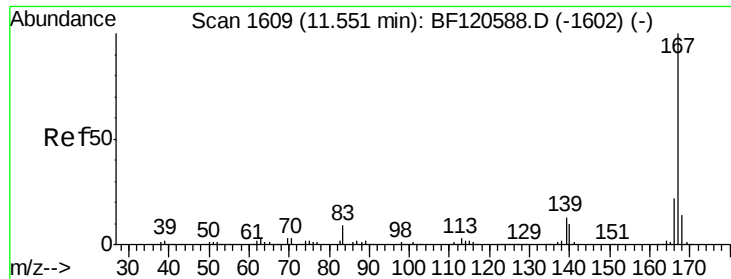
#72
Anthracene
Concen: 10.826 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

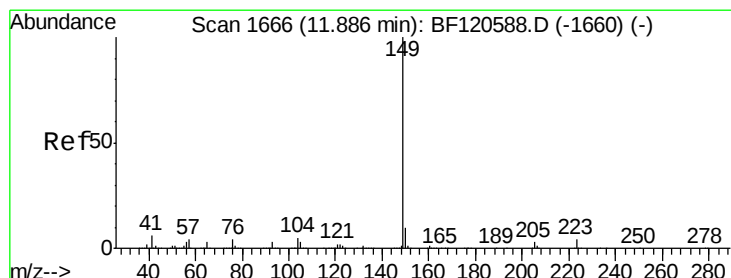
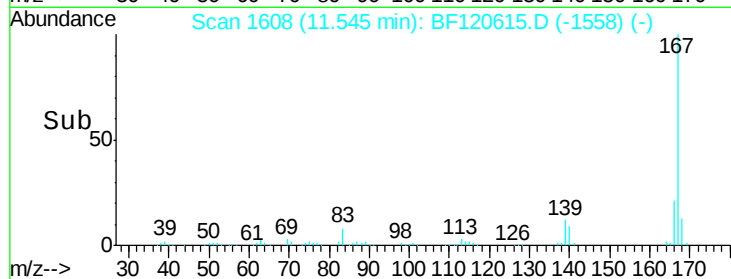
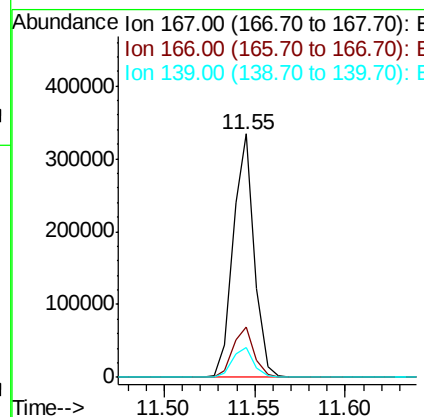
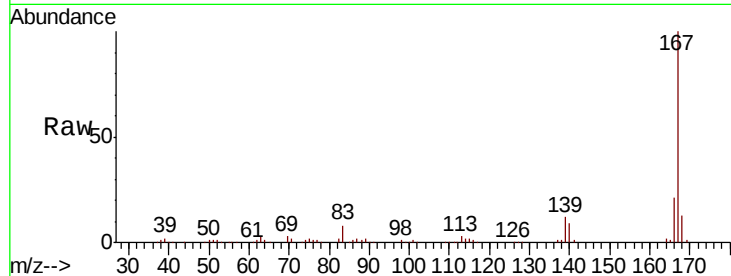




#73
 Carbazole
 Concen: 10.209 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. -0.01 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

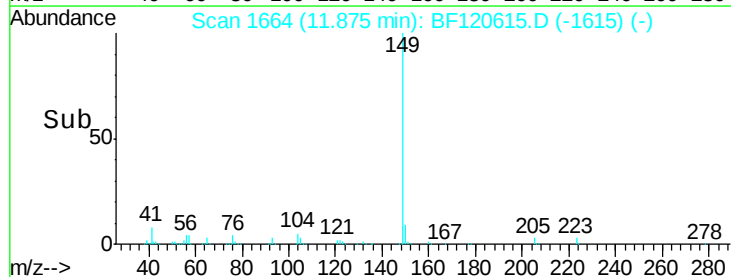
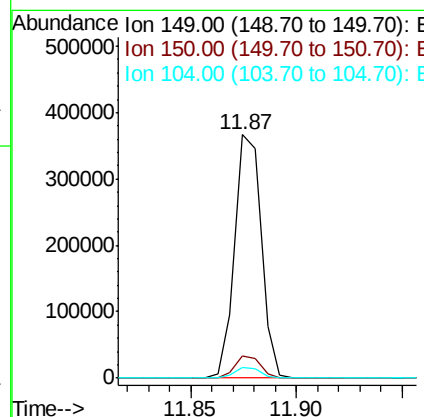
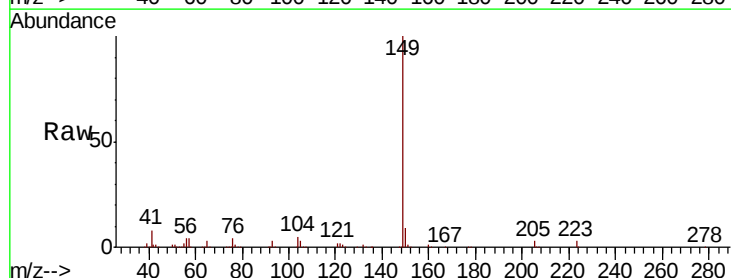
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

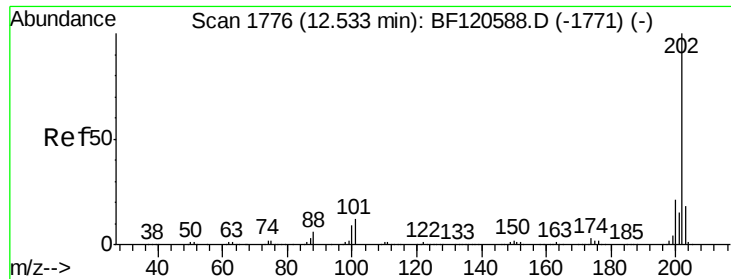
Tot Ion:167 Resp: 270235
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.2 25.8
 139 12.0 10.1 15.1



#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

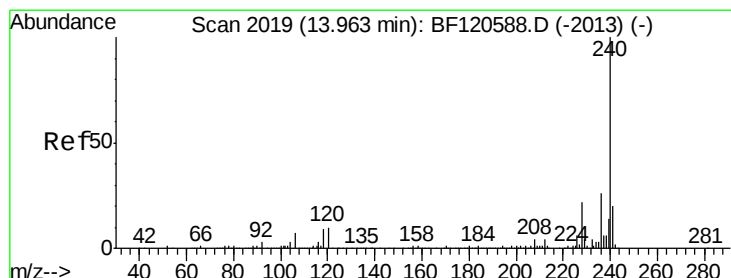
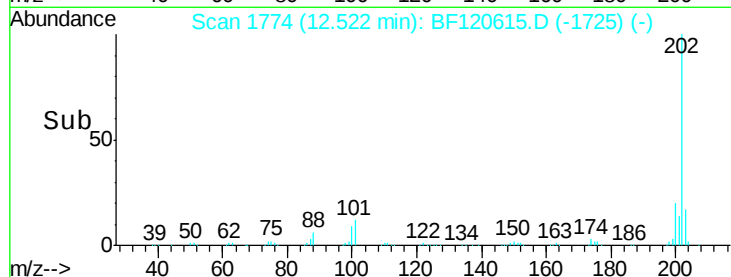
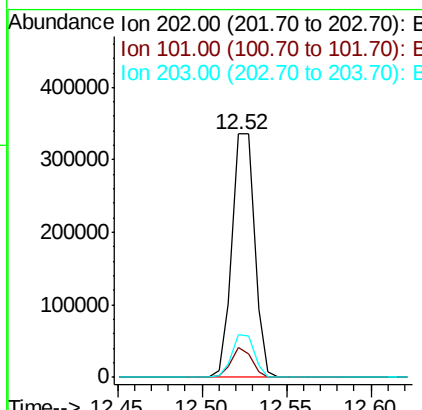
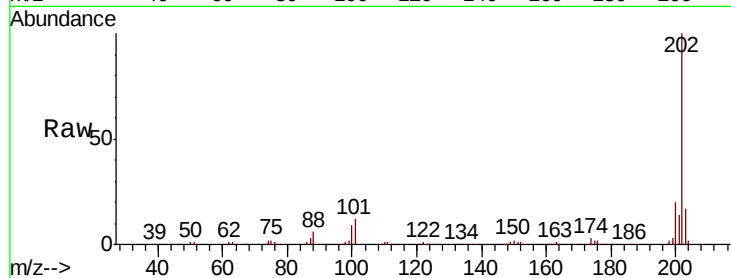




#75
Fluoranthene
Concen: 10.315 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

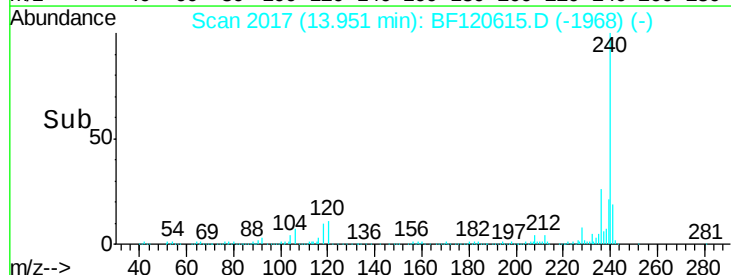
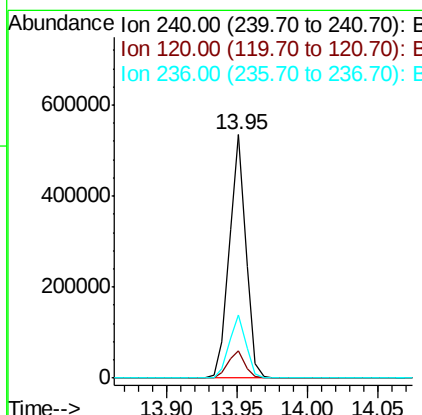
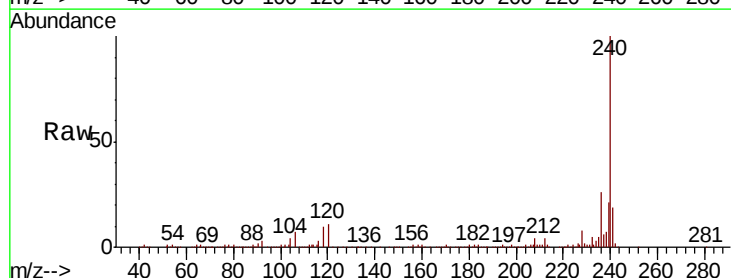
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

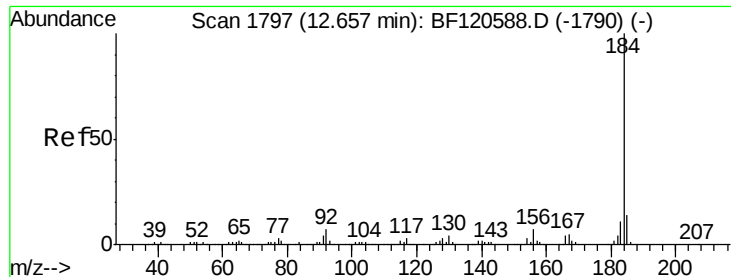
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.0
203	17.4	0.0	38.3



#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

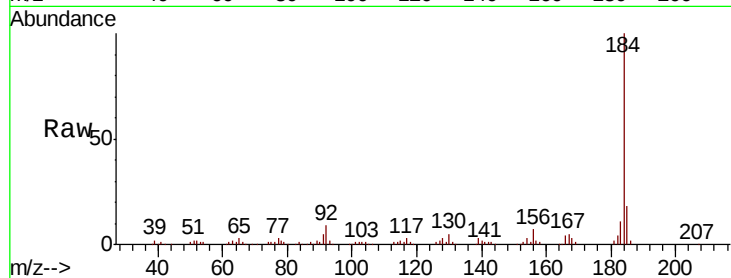
Tot Ion:184 Resp: 167435

Ion Ratio Lower Upper

184 100

185 17.9 11.4 17.0#

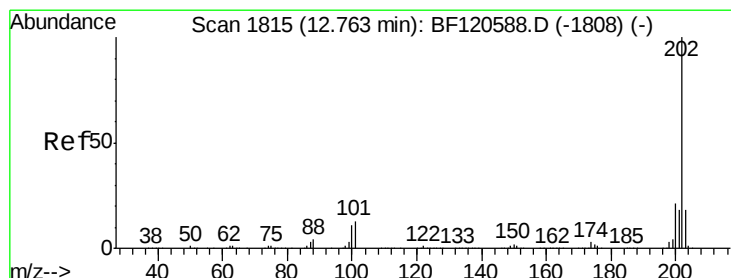
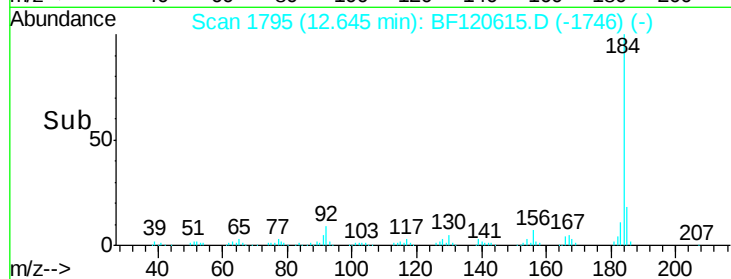
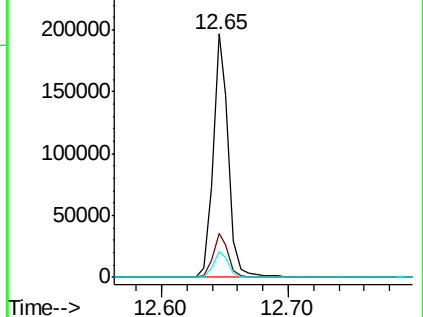
183 10.8 9.0 13.6



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

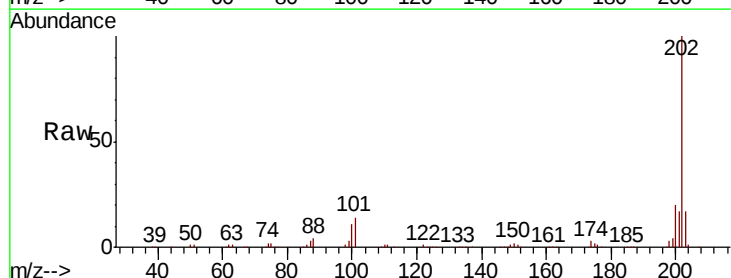
Tgt Ion:202 Resp: 322090

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

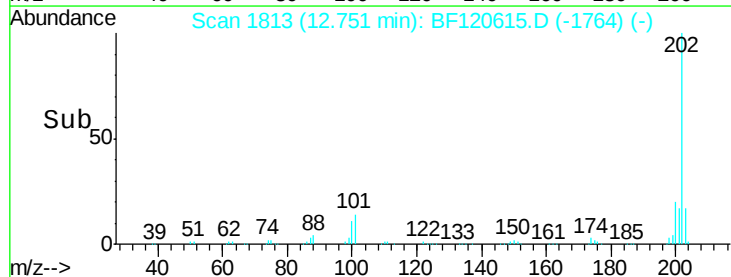
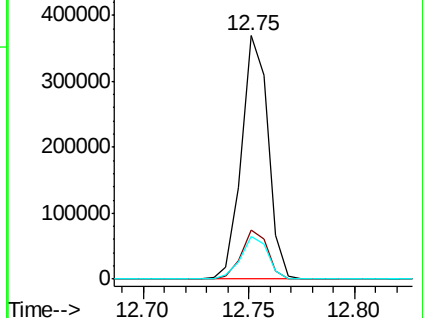
203 17.4 14.3 21.5



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

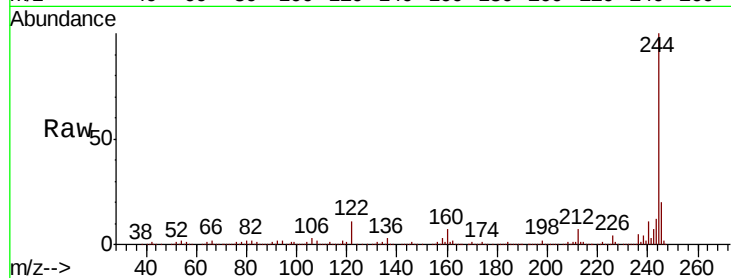
Tot Ion:244 Resp: 1985417

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

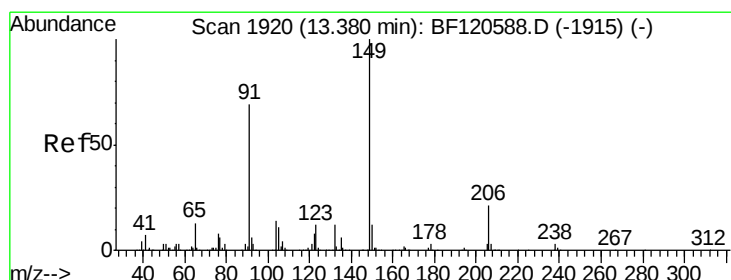
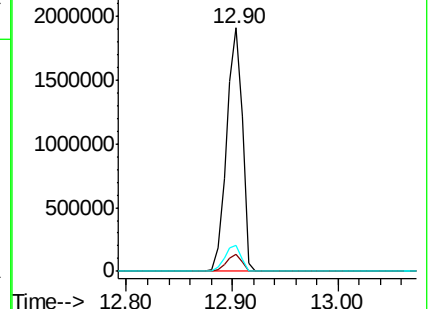
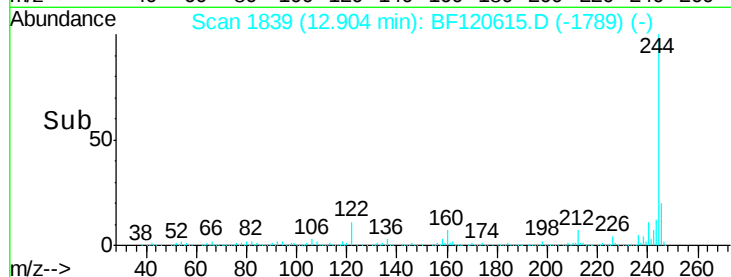
122 10.8 8.3 12.5



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

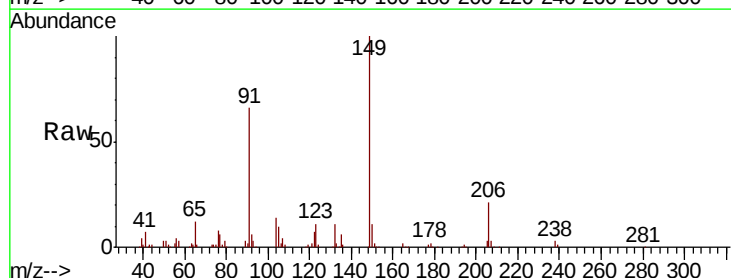
Tgt Ion:149 Resp: 126264

Ion Ratio Lower Upper

149 100

91 66.2 55.4 83.0

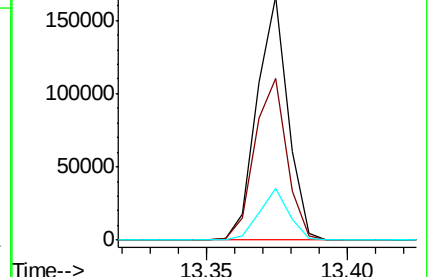
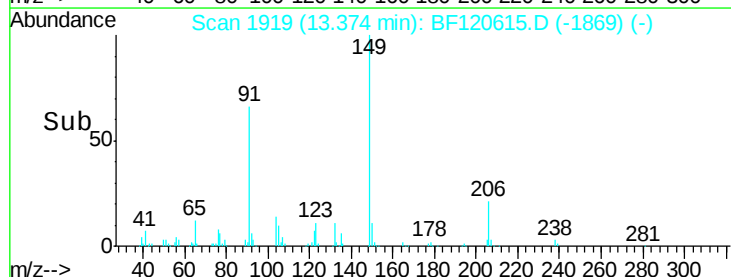
206 21.0 17.0 25.4



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

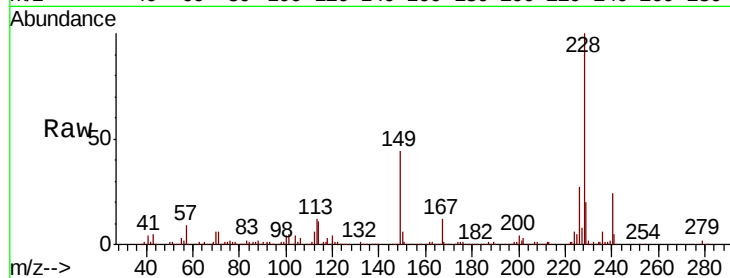
Tot Ion:228 Resp: 291829

Ion Ratio Lower Upper

228 100

226 27.0 22.5 33.7

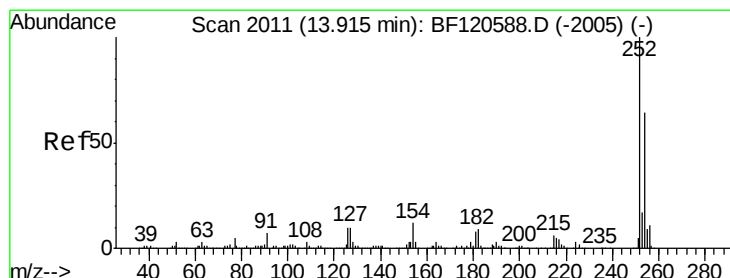
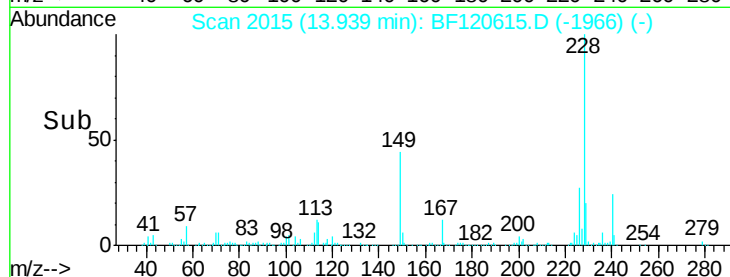
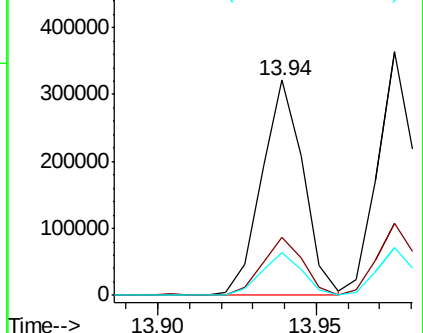
229 20.0 16.1 24.1



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

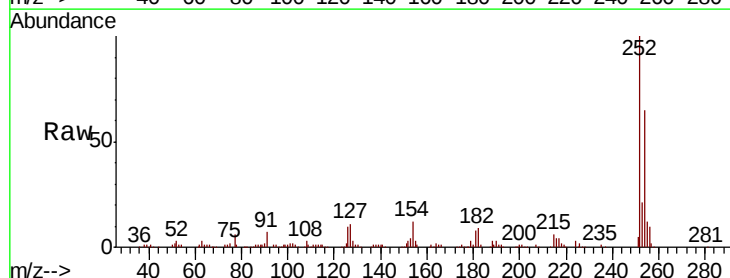
Tgt Ion:252 Resp: 116256

Ion Ratio Lower Upper

252 100

254 65.3 51.4 77.2

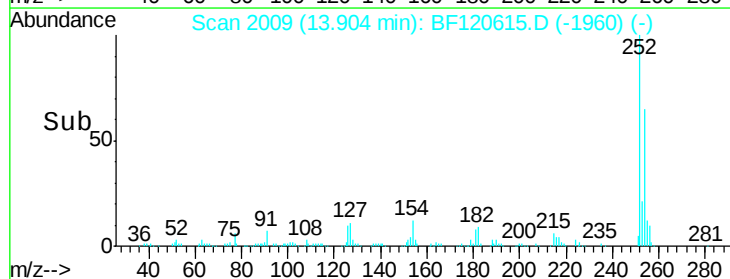
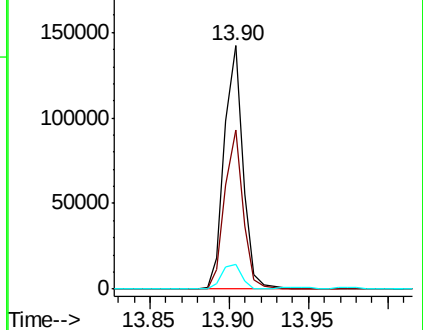
126 10.1 7.9 11.9

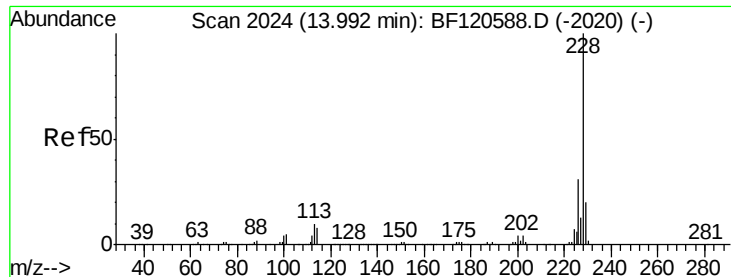


Abundance Ion 252.00 (251.70 to 252.70): E

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

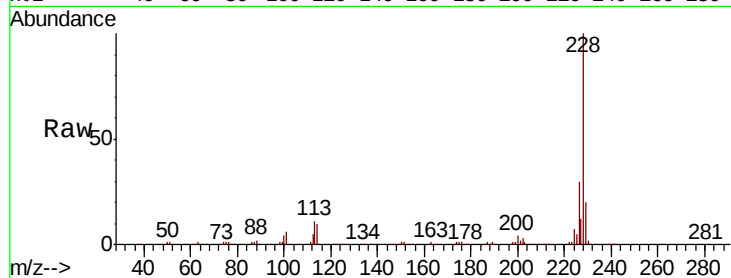
Tot Ion:228 Resp: 290259

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

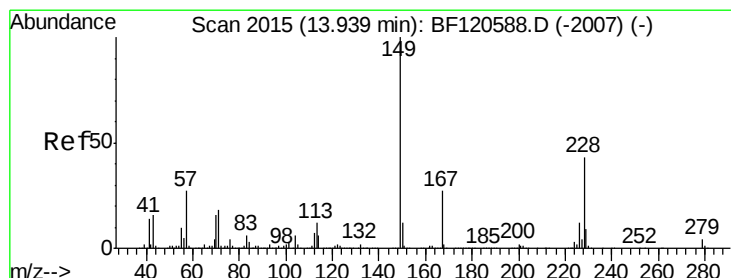
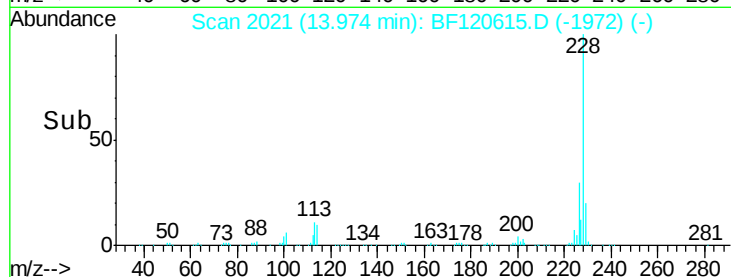
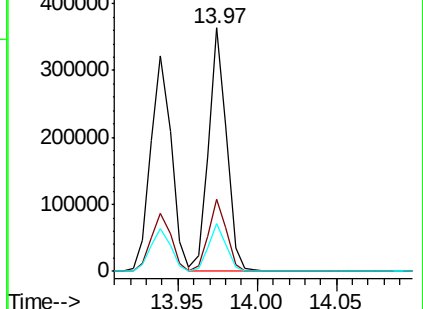
229 19.8 16.1 24.1



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

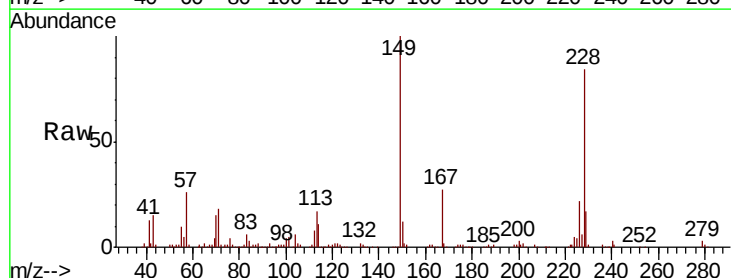
Tgt Ion:149 Resp: 186311

Ion Ratio Lower Upper

149 100

167 27.1 22.0 33.0

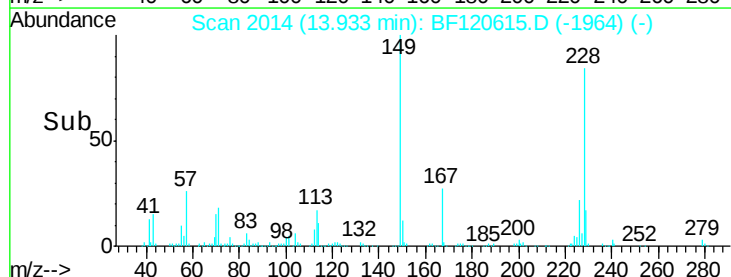
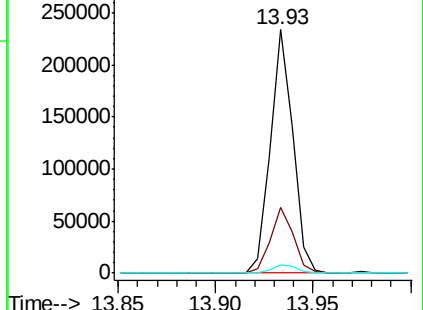
279 3.5 3.0 4.6



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

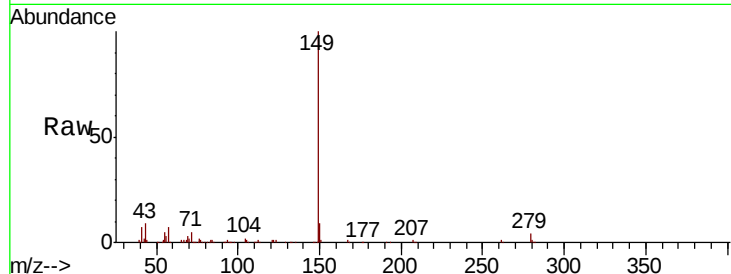




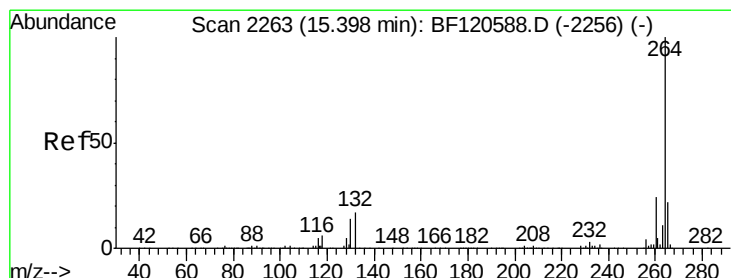
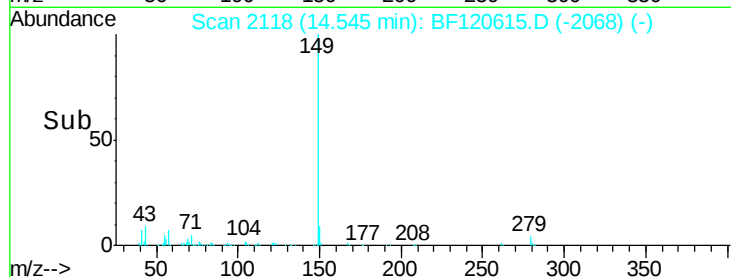
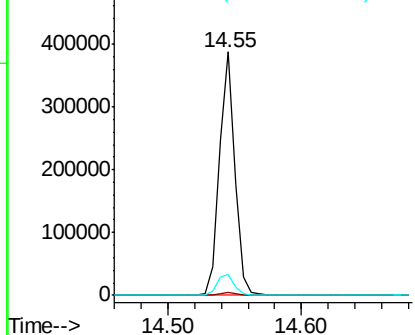
#85
Di-n-octyl phthalate
Concen: 9.930 ng
RT: 14.55 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

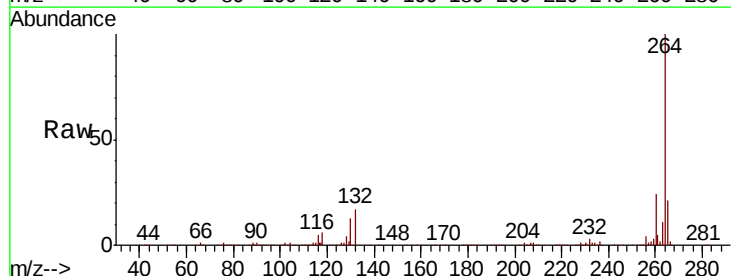


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

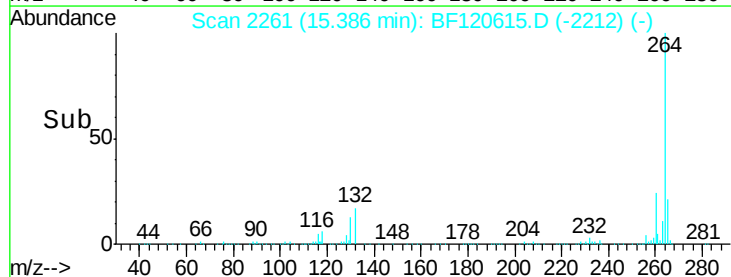
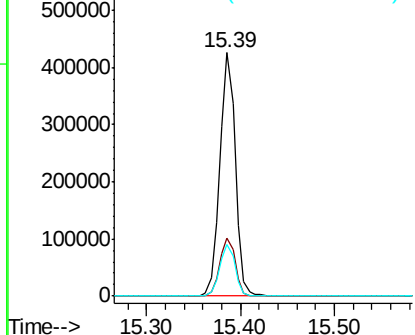


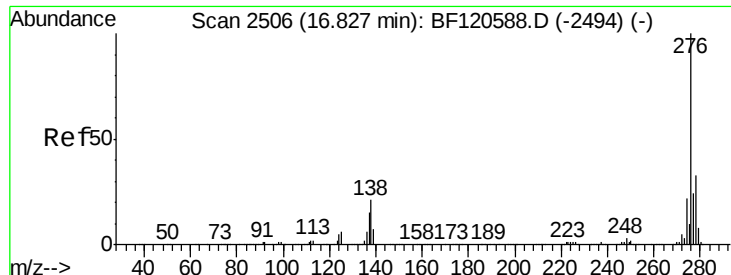
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

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

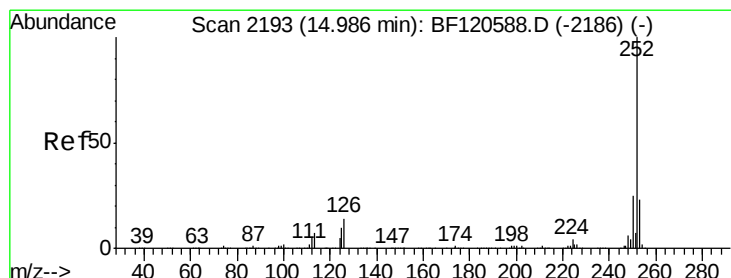
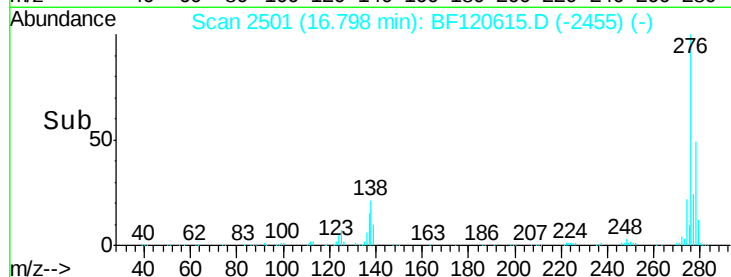
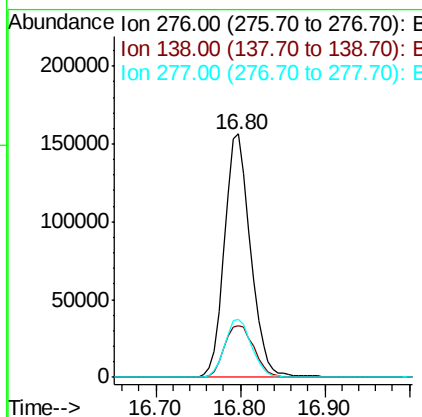
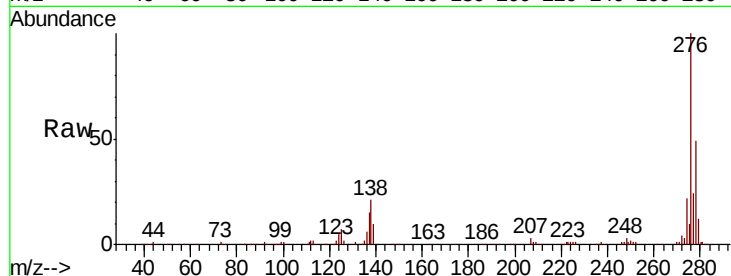




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.131 ng
 RT: 16.80 min Scan# 2501
 Delta R.T. -0.03 min
 Lab File: BF120615.D
 Acq: 12 Jun 2020 17:22

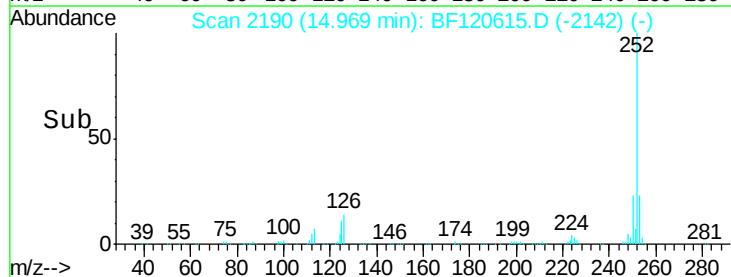
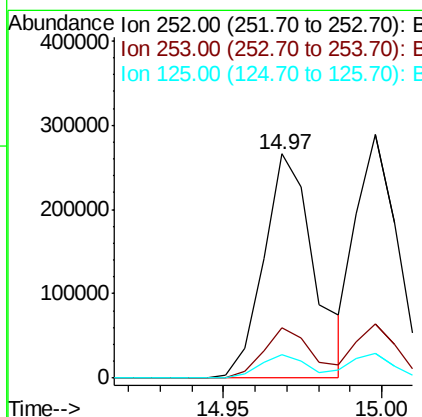
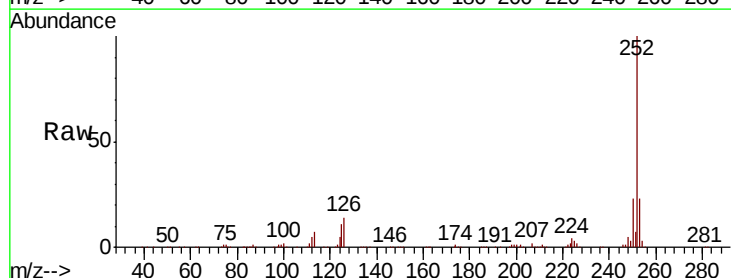
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2020

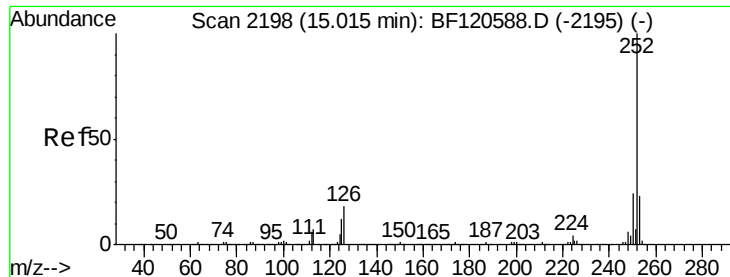
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	18.9	28.3
277	24.5	20.2	30.2



#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	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	10.6	8.3	12.5

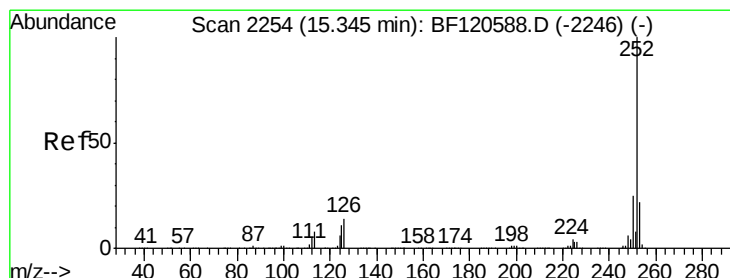
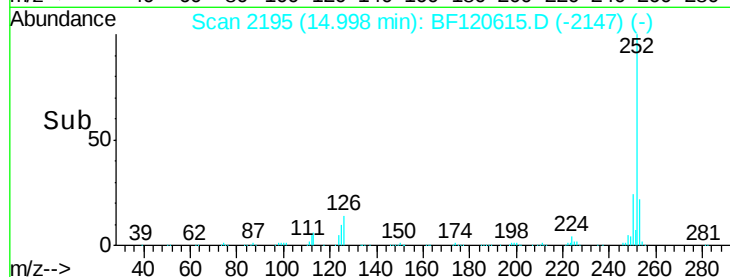
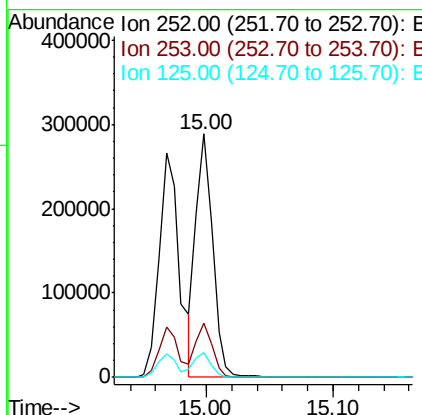
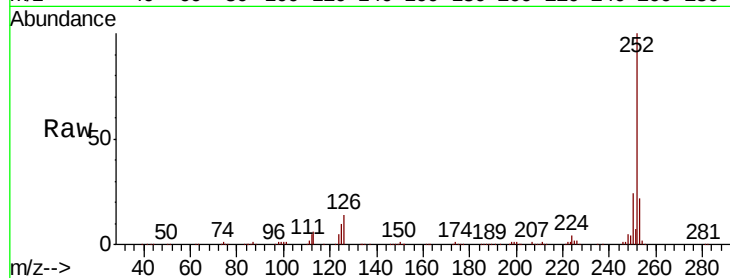




#89
Benzo(k)fluoranthene
Concen: 10.204 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF120615.D
Acq: 12 Jun 2020 17:22

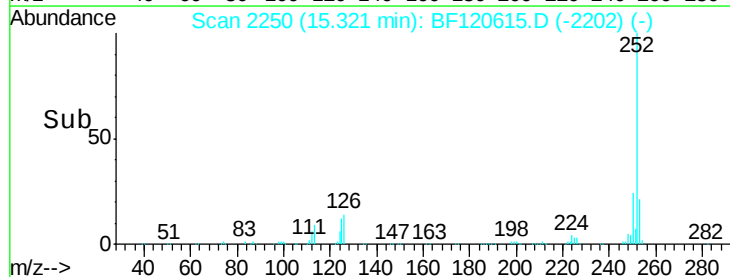
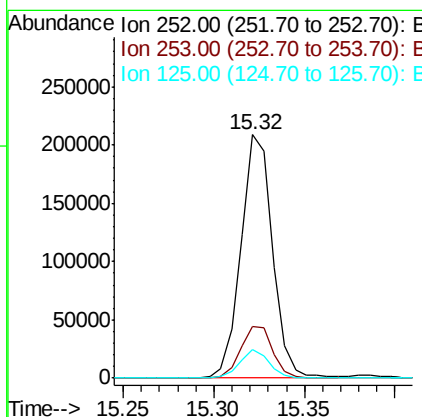
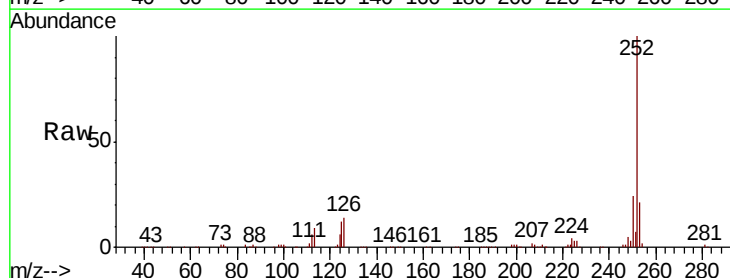
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2020

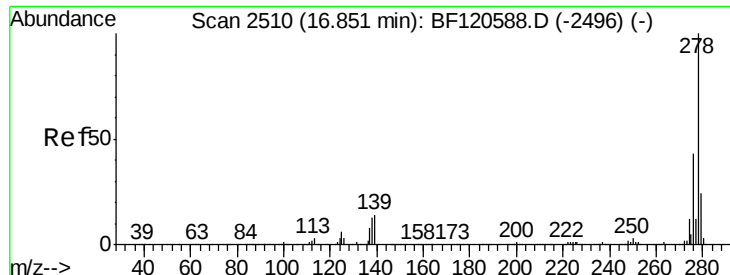
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	9.9	8.3	12.5



#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	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

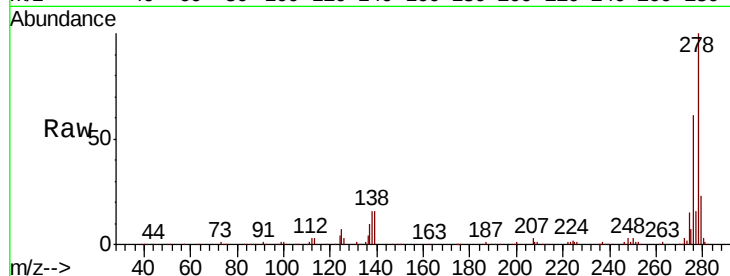
Tot Ion:278 Resp: 283812

Ion Ratio Lower Upper

278 100

139 15.6 11.4 17.2

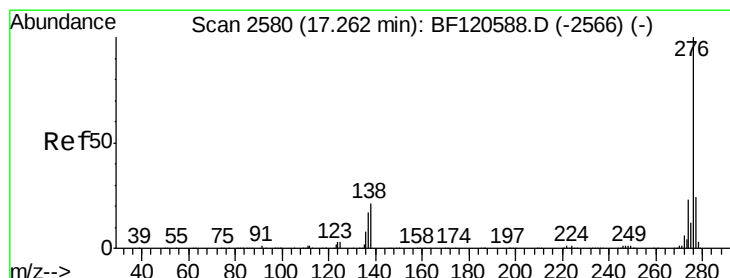
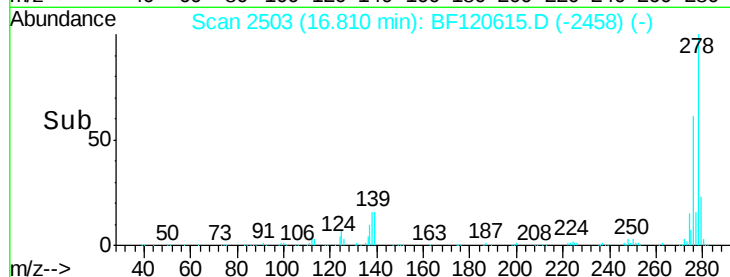
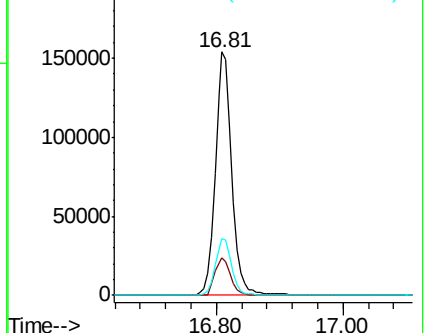
279 23.5 19.1 28.7



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

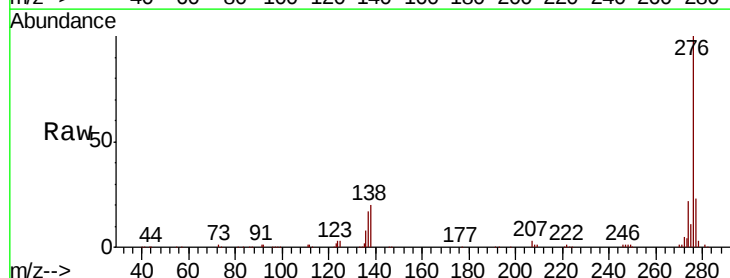
Tgt Ion:276 Resp: 279690

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

