

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096731.D
 Acq On : 13 Jul 2017 16:51
 Operator : SJ/JU
 Sample : I3757-02
 Misc : 20PPM LOQ
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Quant Time: Jul 14 01:06:26 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	105305	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	499500	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	222203	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	371933	20.00	ng	0.00
75) Chrysene-d12	13.77	240	228436	20.00	ng	0.00
86) Perylene-d12	15.15	264	172287	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.24	112	781195	111.54	ng	0.00
7) Phenol-d6	6.28	99	966196	114.96	ng	0.00
23) Nitrobenzene-d5	7.20	82	697600	86.51	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	210798	111.14	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	1162577	82.66	ng	0.00
78) Terphenyl-d14	12.73	244	927811	70.44	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.24	88	76830	21.320	ng	# 75
3) Pyridine	2.93	79	151334	19.982	ng	# 61
4) n-Nitrosodimethylamine	2.84	42	84224	19.886	ng	# 83
6) Aniline	6.30	93	206632	19.960	ng	# 80
8) 2-Chlorophenol	6.42	128	153458	20.311	ng	98
9) Benzaldehyde	6.17	77	78038	16.065	ng	99
10) Phenol	6.29	94	188361	19.825	ng	80
11) bis(2-Chloroethyl)ether	6.37	93	144251	20.190	ng	92
12) 1,3-Dichlorobenzene	6.57	146	169325	21.083	ng	98
13) 1,4-Dichlorobenzene	6.65	146	168579	20.727	ng	95
14) 1,2-Dichlorobenzene	6.80	146	158240	21.390	ng	99
15) Benzyl Alcohol	6.78	79	119919	21.794	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.92	45	305896	20.746	ng	91
17) 2-Methylphenol	6.90	107	119594	20.355	ng	97
18) Hexachloroethane	7.15	117	67003	23.232	ng	# 79
19) n-Nitroso-di-n-propylamine	7.06	70	104732	20.684	ng	# 86
20) 3+4-Methylphenols	7.05	107	154178	21.625	ng	# 83
22) Acetophenone	7.05	105	207638	18.599	ng	98
24) Nitrobenzene	7.22	77	174678	20.944	ng	94
25) Isophorone	7.46	82	312669	20.842	ng	98
26) 2-Nitrophenol	7.53	139	95639	20.623	ng	# 86
27) 2,4-Dimethylphenol	7.58	122	158314	20.751	ng	95
28) bis(2-Chloroethoxy)methane	7.67	93	210558	20.771	ng	99
29) 2,4-Dichlorophenol	7.77	162	140724	20.377	ng	94
30) 1,2,4-Trichlorobenzene	7.86	180	134383	20.466	ng	96
31) Naphthalene	7.94	128	491225	20.760	ng	99
32) Benzoic acid	7.69	122	101230	20.760	ng	92
33) 4-Chloroaniline	7.99	127	202045	21.551	ng	98
34) Hexachlorobutadiene	8.06	225	72683	20.736	ng	95
35) Caprolactam	8.35	113	45612	20.613	ng	# 67
36) 4-Chloro-3-methylphenol	8.47	107	153792	20.711	ng	90
37) 2-Methylnaphthalene	8.63	142	317241	21.029	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.80	216	127304	21.194	ng	99
40) Hexachlorocyclopentadiene	8.79	237	35810	19.847	ng	98

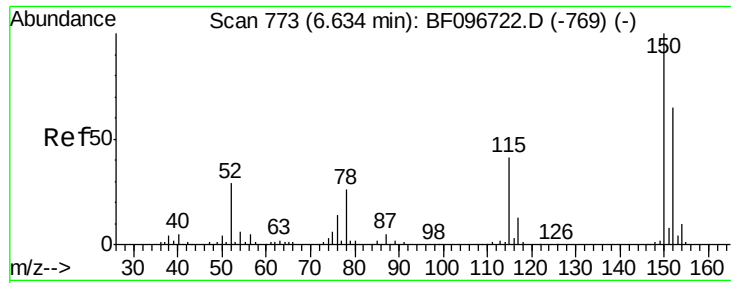
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.91	196	90661	20.462	ng	97
43) 2,4,5-Trichlorophenol	8.95	196	93664	20.961	ng	95
45) 1,1'-Biphenyl	9.09	154	410720	21.552	ng	97
46) 2-Chloronaphthalene	9.12	162	295973	21.092	ng	94
47) 2-Nitroaniline	9.21	65	104415	21.647	ng	93
48) Acenaphthylene	9.53	152	476661	21.319	ng	98
49) Dimethylphthalate	9.40	163	349832	20.909	ng	98
50) 2,6-Dinitrotoluene	9.45	165	76723	21.171	ng #	81
51) Acenaphthene	9.70	154	275538	20.861	ng	100
52) 3-Nitroaniline	9.62	138	91462	21.304	ng	93
53) 2,4-Dinitrophenol	9.73	184	27597	20.825	ng #	73
54) Dibenzofuran	9.87	168	390595	21.103	ng	100
55) 4-Nitrophenol	9.79	139	64360	20.520	ng #	73
56) 2,4-Dinitrotoluene	9.86	165	98380	21.126	ng #	87
57) Fluorene	10.21	166	303177	22.166	ng	97
58) 2,3,4,6-Tetrachlorophenol	9.99	232	64762	20.897	ng #	98
59) Diethylphthalate	10.10	149	350021	21.490	ng	98
60) 4-Chlorophenyl-phenylether	10.21	204	127441	19.223	ng	94
61) 4-Nitroaniline	10.23	138	81856	20.304	ng	90
62) Azobenzene	10.37	77	304589	21.198	ng	92
64) 4,6-Dinitro-2-methylphenol	10.26	198	44883	19.220	ng	91
65) n-Nitrosodiphenylamine	10.33	169	278169	20.923	ng	99
66) 4-Bromophenyl-phenylether	10.69	248	79046	20.816	ng	95
67) Hexachlorobenzene	10.76	284	87871	20.777	ng #	88
68) Atrazine	10.86	200	78819	20.809	ng	98
69) Pentachlorophenol	10.96	266	42750	20.924	ng	94
70) Phenanthrene	11.17	178	434679	21.494	ng	99
71) Anthracene	11.22	178	438144	21.428	ng	99
72) Carbazole	11.37	167	416050	21.012	ng	98
73) Di-n-butylphthalate	11.72	149	483226	19.596	ng	98
74) Fluoranthene	12.35	202	411320	21.249	ng	98
76) Benzidine	12.47	184	123420	16.492	ng	97
77) Pyrene	12.57	202	418720	20.197	ng	98
79) Butylbenzylphthalate	13.20	149	197664	40.133	ng #	79
80) Benzo(a)anthracene	13.76	228	285330	20.047	ng	99
81) 3,3'-Dichlorobenzidine	13.73	252	93088	18.187	ng #	95
82) Chrysene	13.80	228	278584	19.882	ng	99
83) Bis(2-ethylhexyl)phthalate	13.77	149	241197	20.107	ng #	100
84) Di-n-octyl phthalate	14.38	149	387360	19.535	ng #	94
85) Indeno(1,2,3-cd)pyrene	16.46	276	214846	18.916	ng	97
87) Benzo(b)fluoranthene	14.77	252	223017	21.463	ng	97
88) Benzo(k)fluoranthene	14.79	252	218808	22.238	ng	96
89) Benzo(a)pyrene	15.10	252	204149	21.421	ng	99
90) Dibenzo(a,h)anthracene	16.47	278	175252	19.985	ng	97
91) Benzo(g,h,i)perylene	16.84	276	184829	19.682	ng	99

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

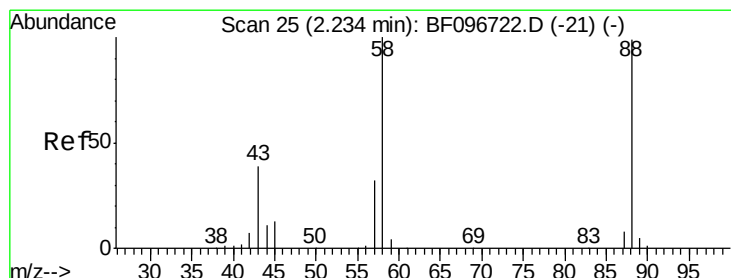
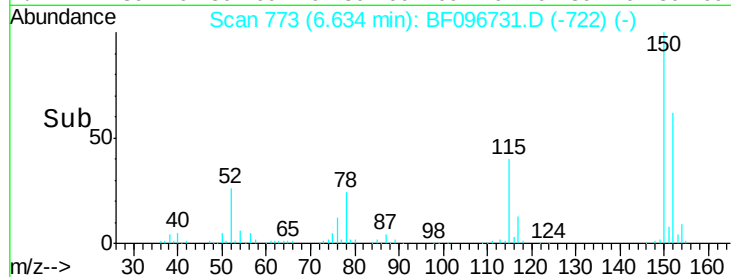
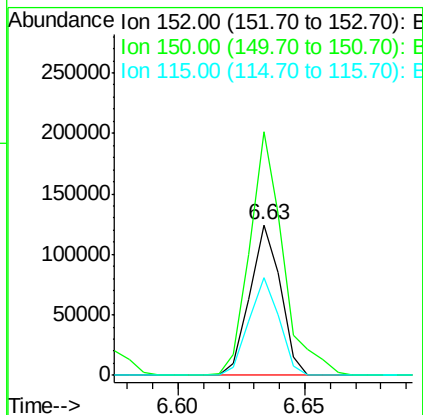
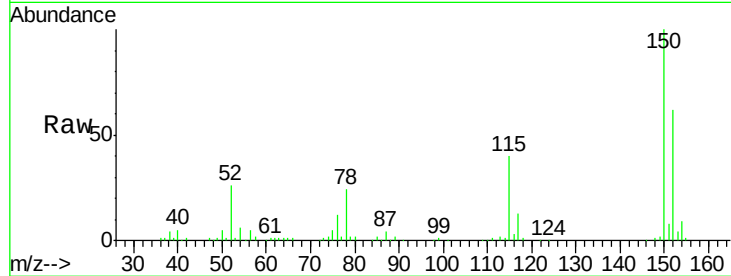


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

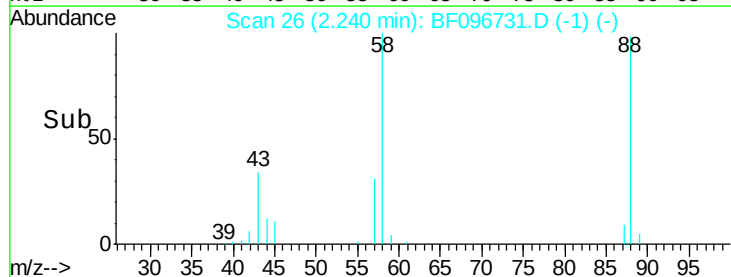
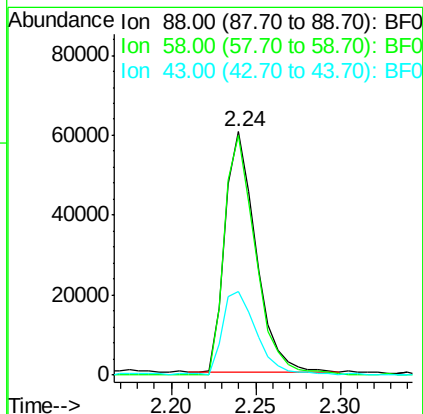
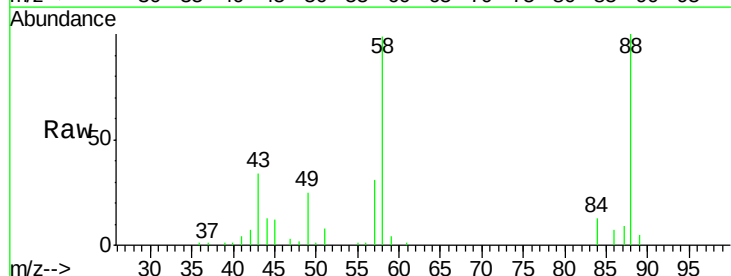
Tgt Ion:152 Resp: 105305
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.2
115 65.2 52.2 78.2

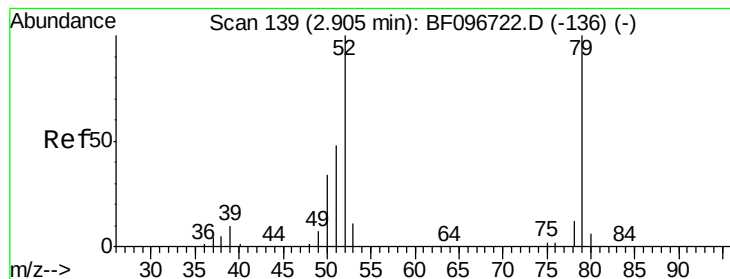


#2

1,4-Dioxane
Concen: 21.320 ng
RT: 2.24 min Scan# 26
Delta R.T. 0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion: 88 Resp: 76830
Ion Ratio Lower Upper
88 100
58 100.1 61.4 92.0#
43 39.0 23.4 35.0#





#3

Pyridine

Concen: 19.982 ng

RT: 2.93 min Scan# 144

Delta R.T. 0.03 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

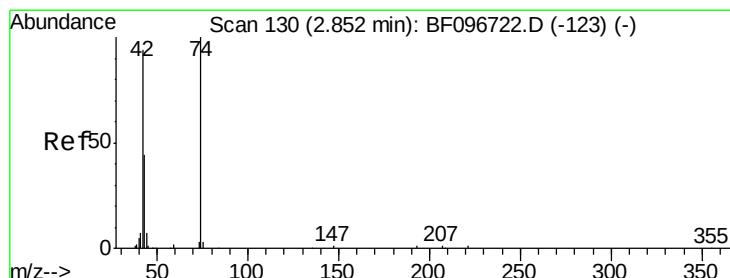
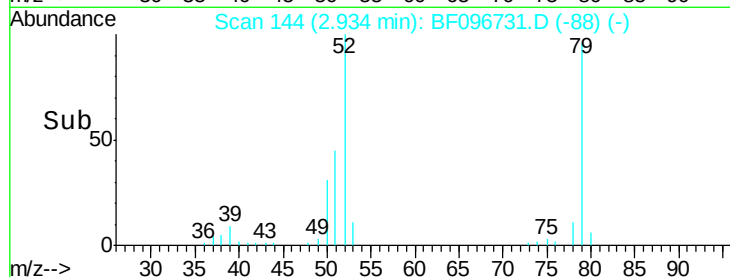
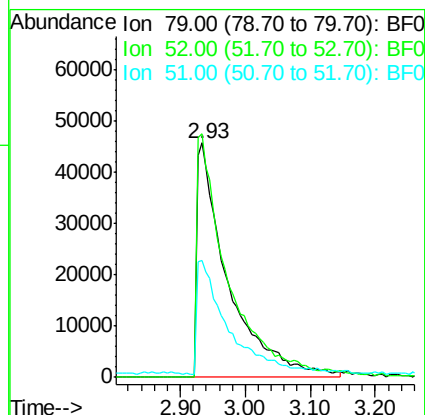
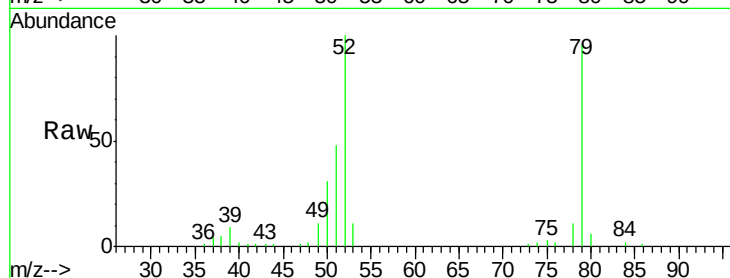
Tgt Ion: 79 Resp: 151334

Ion Ratio Lower Upper

79 100

52 104.0 54.8 82.2#

51 50.1 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 19.886 ng

RT: 2.84 min Scan# 128

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

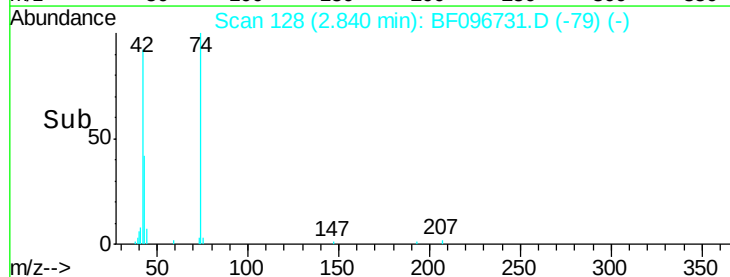
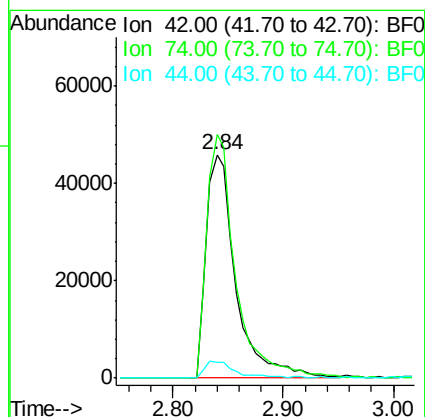
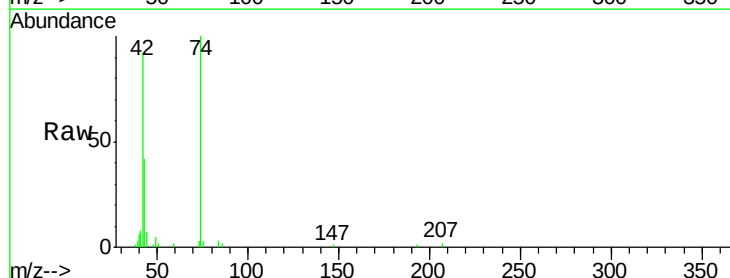
Tgt Ion: 42 Resp: 84224

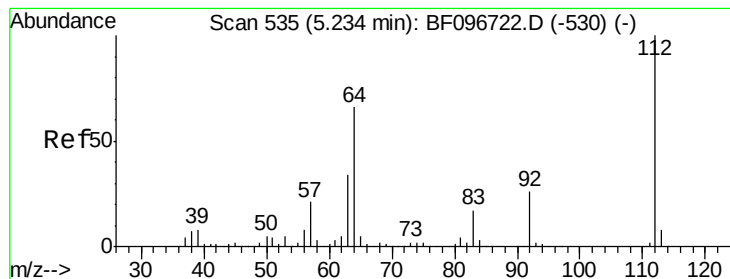
Ion Ratio Lower Upper

42 100

74 108.9 103.9 155.9

44 7.2 5.7 8.5





#5

2-Fluorophenol

Concen: 111.542 ng

RT: 5.24 min Scan# 536

Delta R.T. 0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

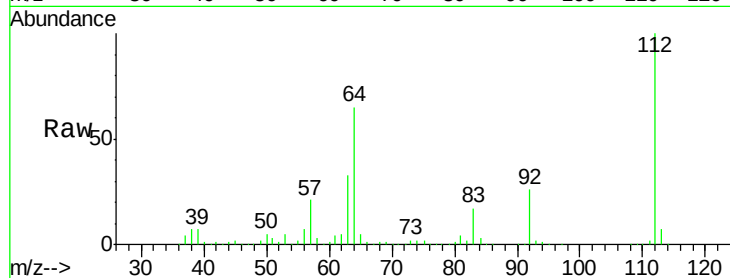
Tgt Ion: 112 Resp: 781195

Ion Ratio Lower Upper

112 100

64 64.7 46.0 69.0

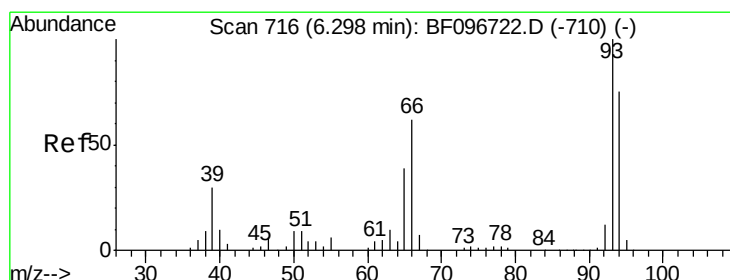
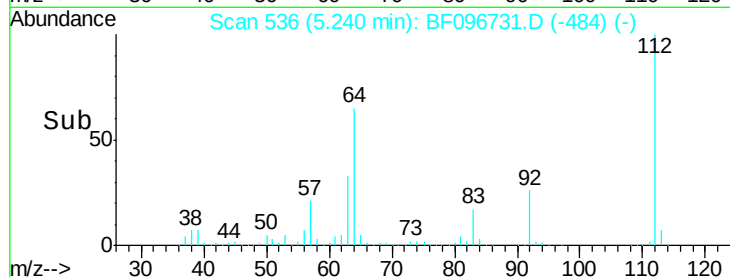
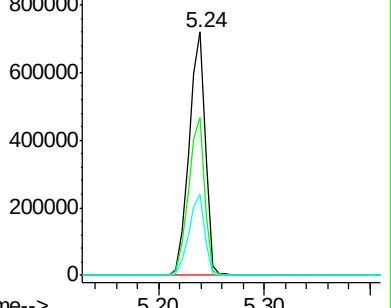
63 33.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.960 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

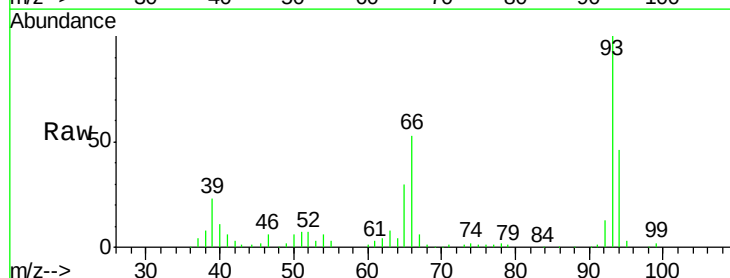
Tgt Ion: 93 Resp: 206632

Ion Ratio Lower Upper

93 100

66 52.7 32.9 49.3#

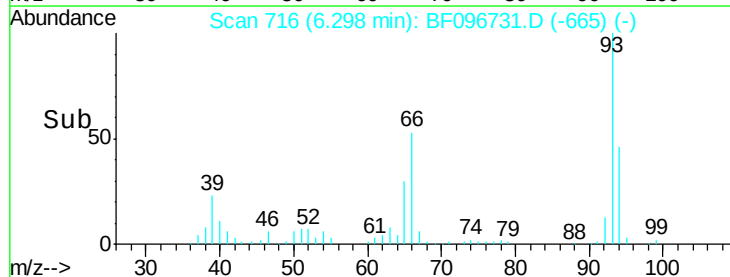
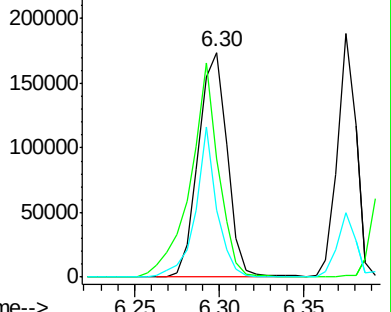
65 30.0 16.0 24.0#

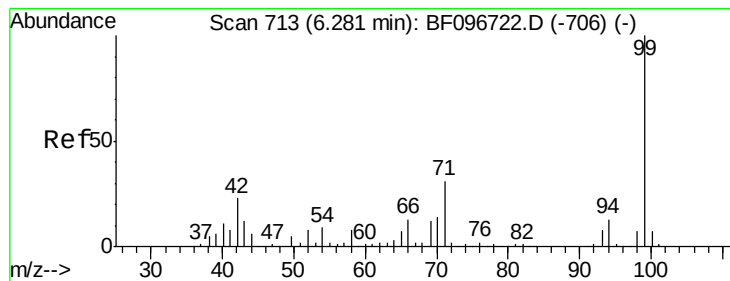


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 114.961 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

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ClientSampleId :

LOQ-SOIL-02-QT3-2017

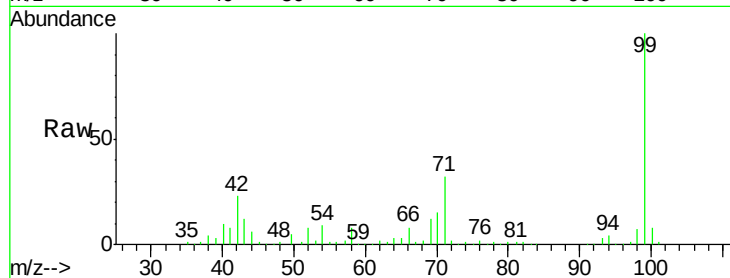
Tgt Ion: 99 Resp: 966196

Ion Ratio Lower Upper

99 100

42 23.0 13.5 20.3#

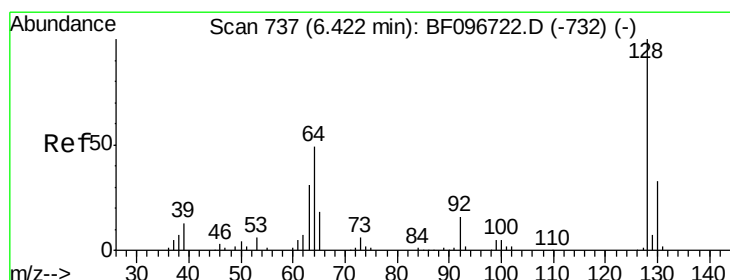
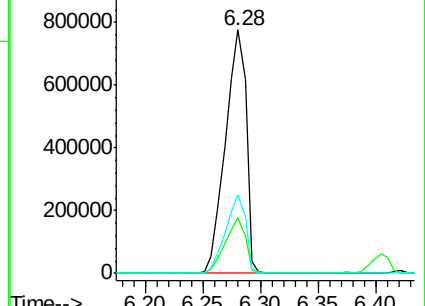
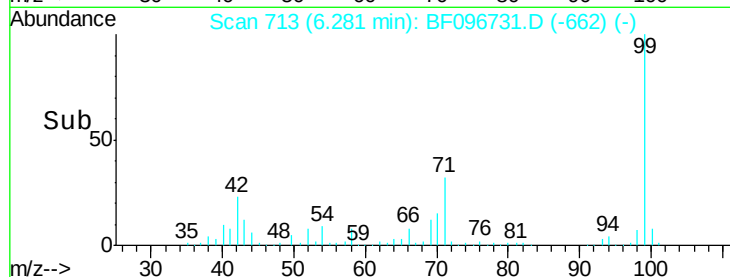
71 32.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 20.311 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

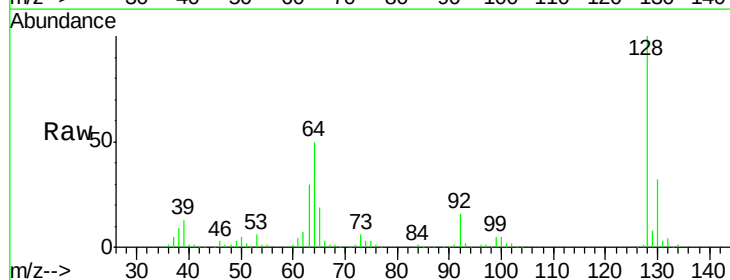
Tgt Ion: 128 Resp: 153458

Ion Ratio Lower Upper

128 100

130 32.2 12.9 52.9

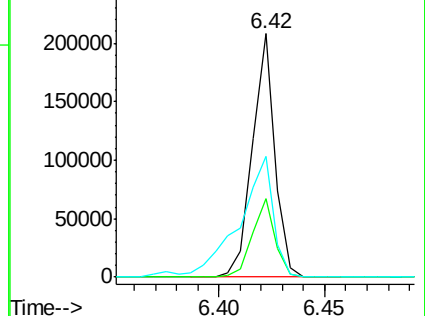
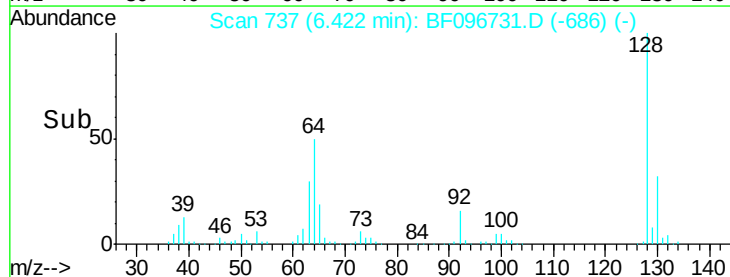
64 49.7 28.4 68.4

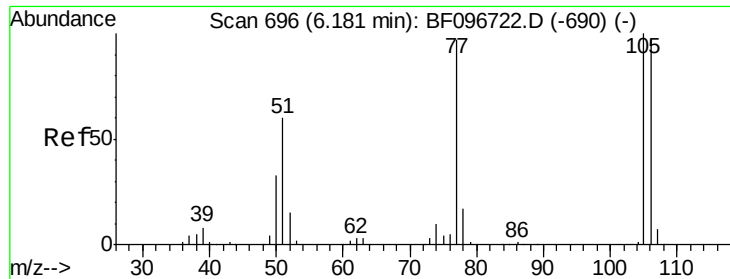


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 16.065 ng

RT: 6.17 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

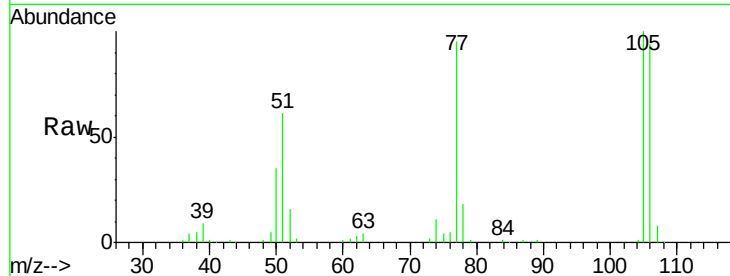
Tgt Ion: 77 Resp: 78038

Ion Ratio Lower Upper

77 100

105 105.3 83.8 123.8

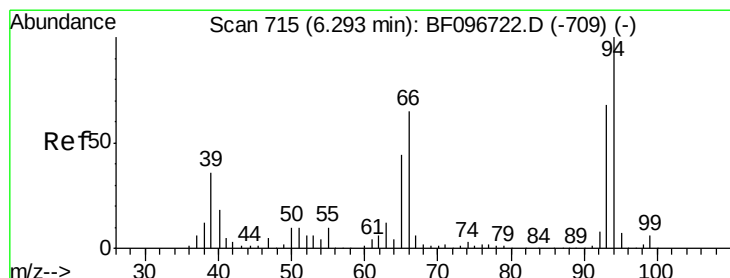
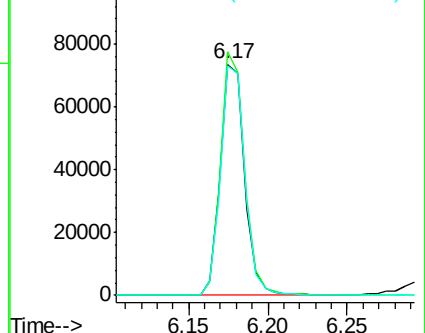
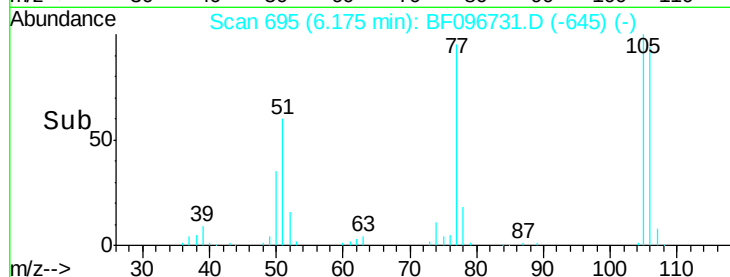
106 99.2 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 19.825 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

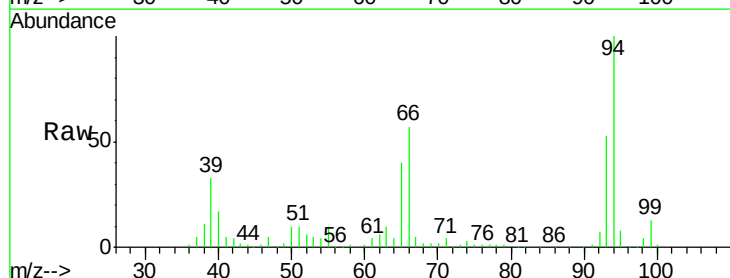
Tgt Ion: 94 Resp: 188361

Ion Ratio Lower Upper

94 100

65 40.0 9.9 49.9

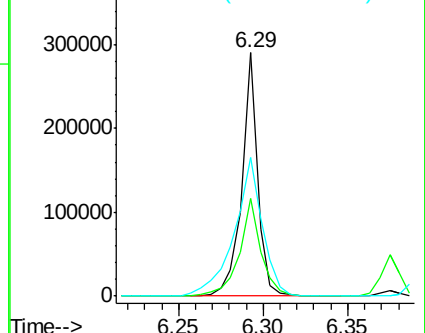
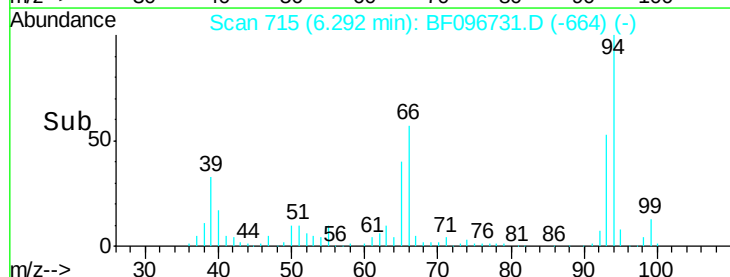
66 57.0 23.1 63.1

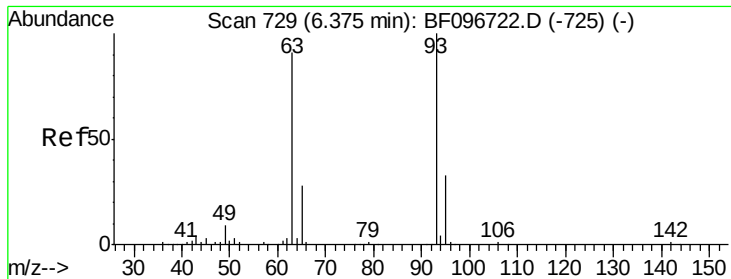


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

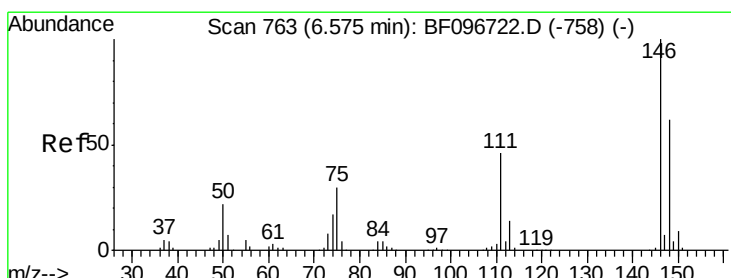
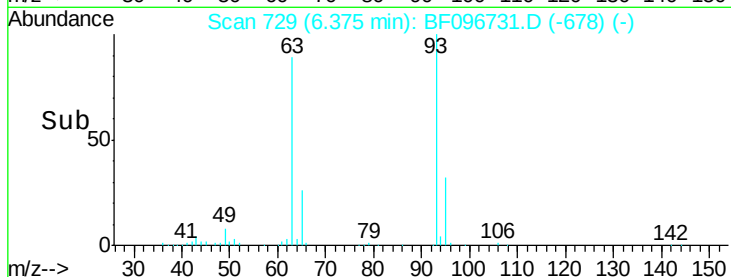
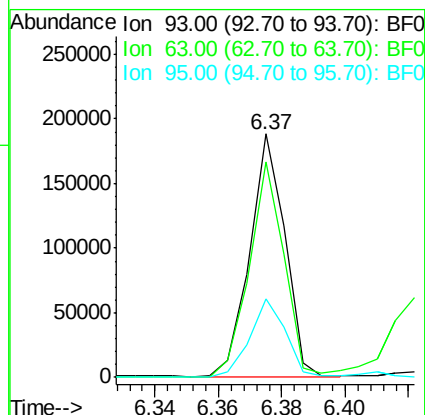
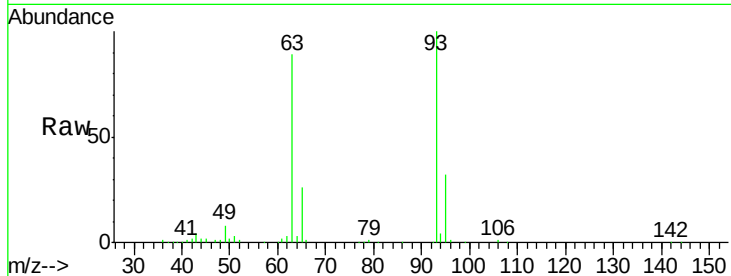




#11
bis(2-Chloroethyl)ether
Concen: 20.190 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

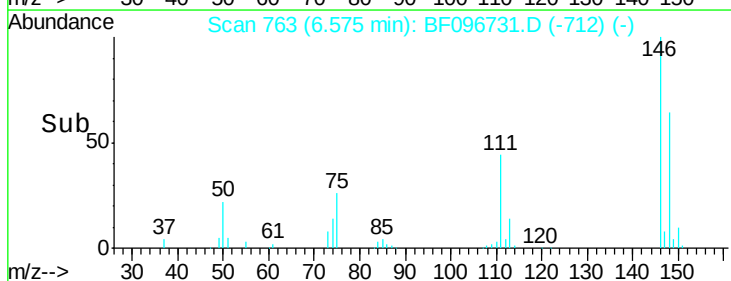
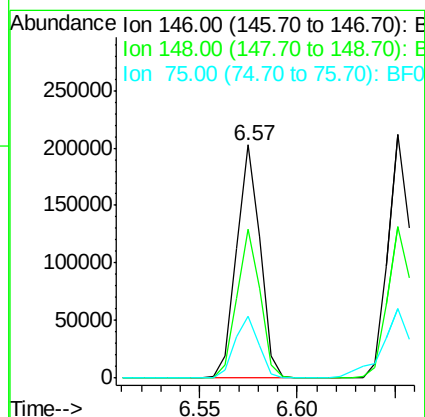
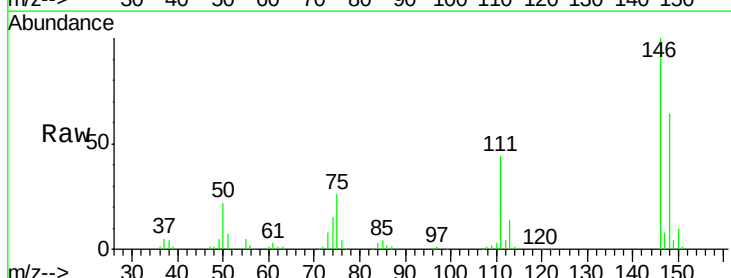
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

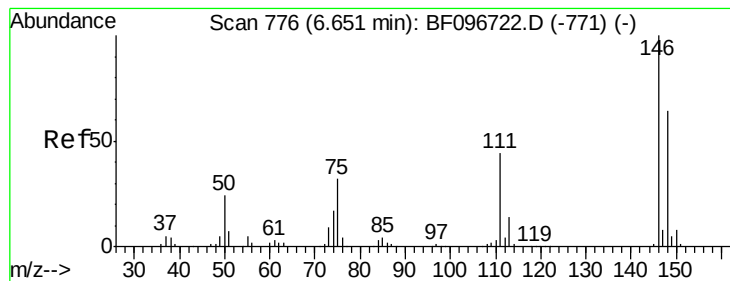
Tgt Ion: 93 Resp: 144251
Ion Ratio Lower Upper
93 100
63 88.6 59.2 99.2
95 32.2 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 21.083 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion: 146 Resp: 169325
Ion Ratio Lower Upper
146 100
148 63.9 51.8 77.6
75 26.5 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 20.727 ng

RT: 6.65 min Scan# 776

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

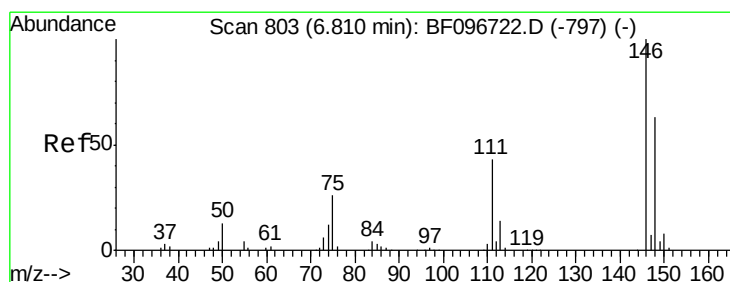
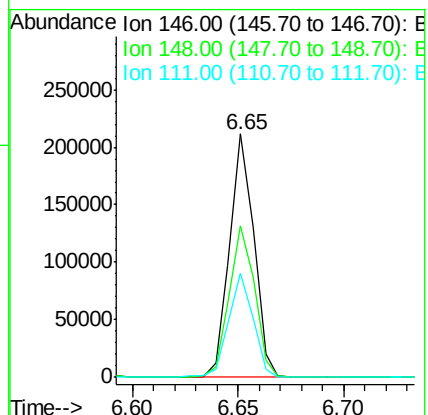
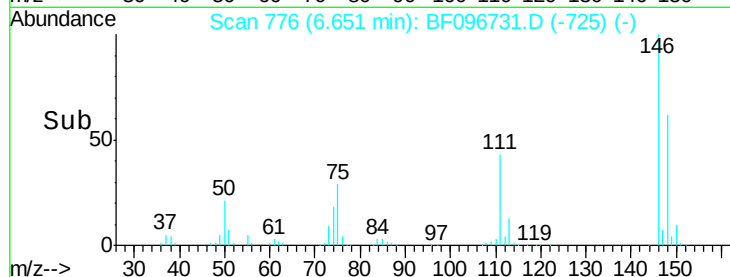
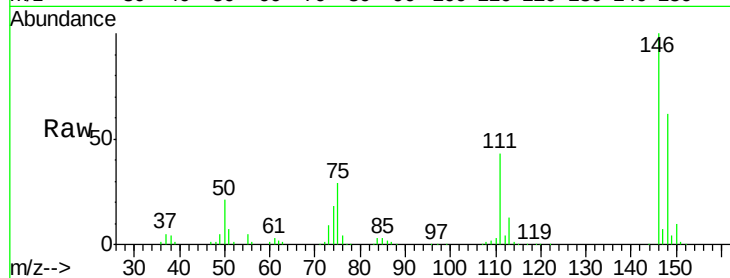
Tgt Ion:146 Resp: 168579

Ion Ratio Lower Upper

146 100

148 62.5 52.2 78.2

111 42.5 30.3 45.5



#14

1,2-Dichlorobenzene

Concen: 21.390 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

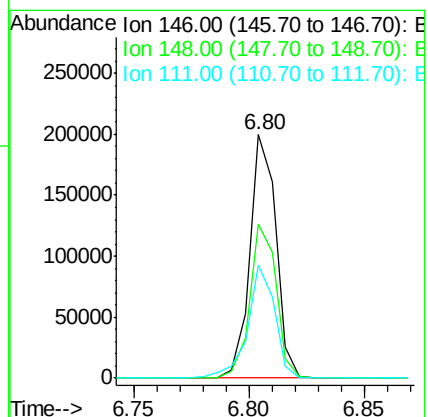
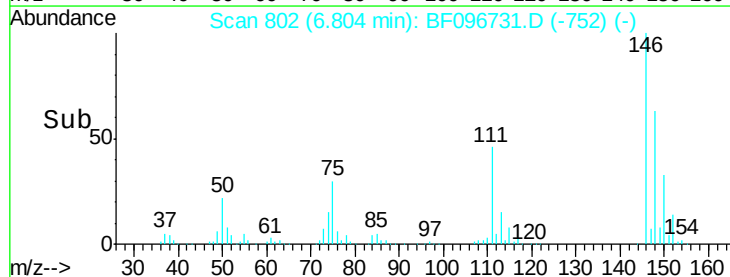
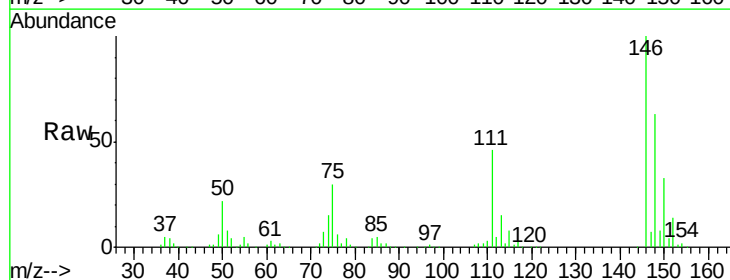
Tgt Ion:146 Resp: 158240

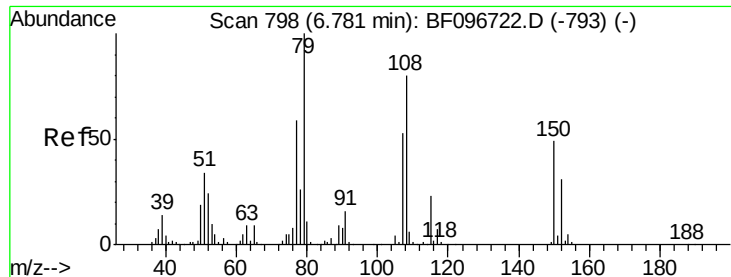
Ion Ratio Lower Upper

146 100

148 63.4 50.4 75.6

111 46.2 38.2 57.4





#15

Benzyl Alcohol

Concen: 21.794 ng

RT: 6.78 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

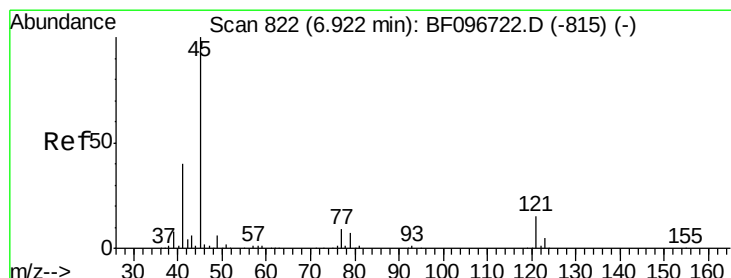
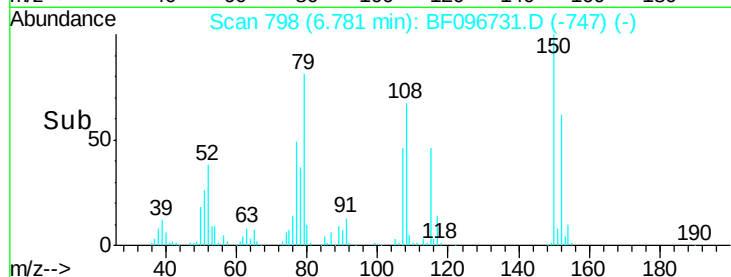
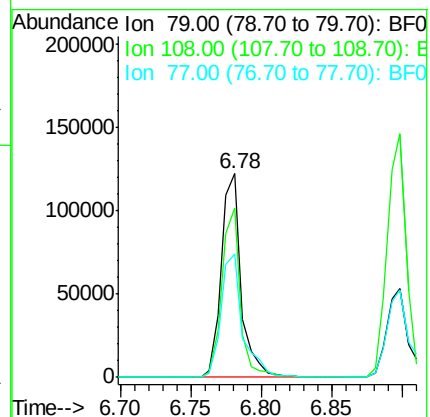
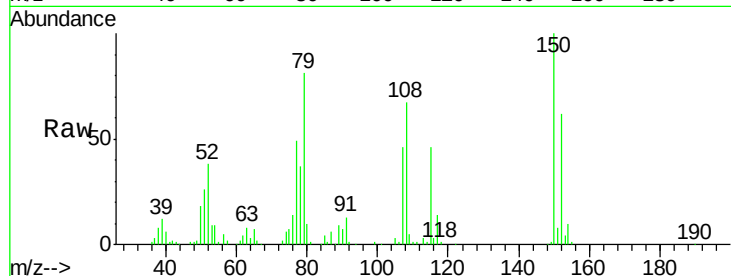
Tgt Ion: 79 Resp: 119919

Ion Ratio Lower Upper

79 100

108 83.1 63.4 95.0

77 60.6 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 20.746 ng

RT: 6.92 min Scan# 822

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

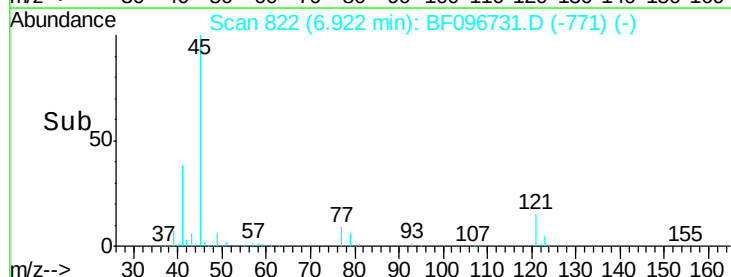
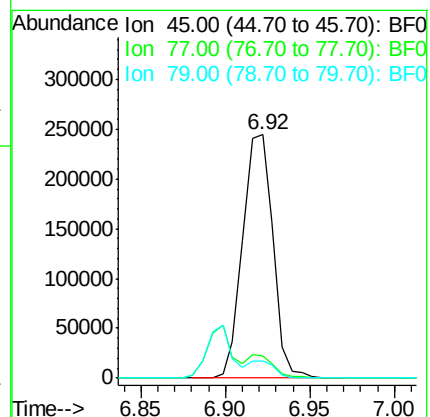
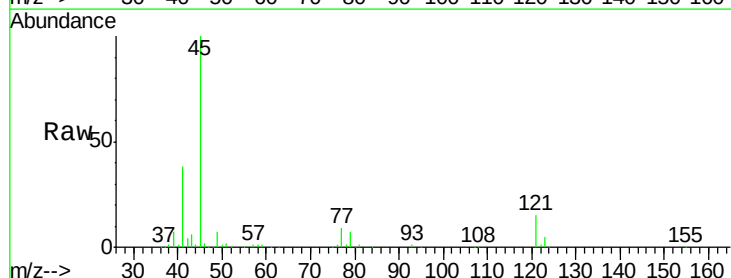
Tgt Ion: 45 Resp: 305896

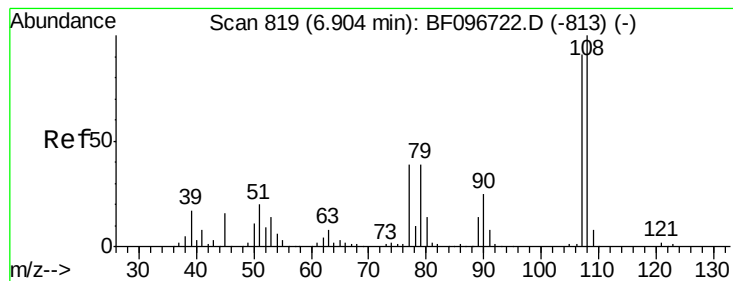
Ion Ratio Lower Upper

45 100

77 9.2 0.0 33.2

79 6.8 0.0 30.0

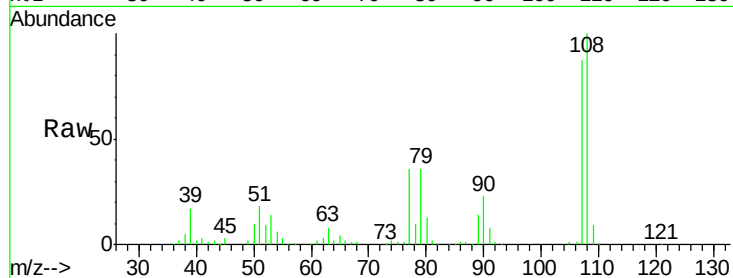




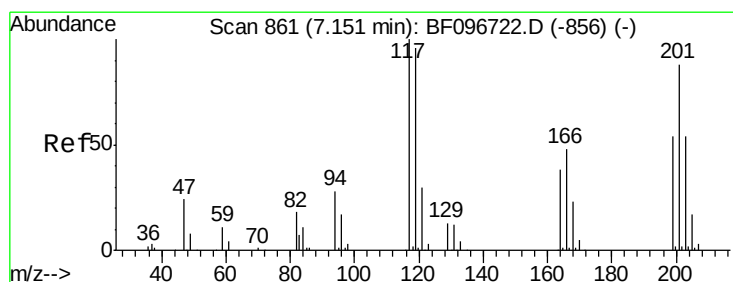
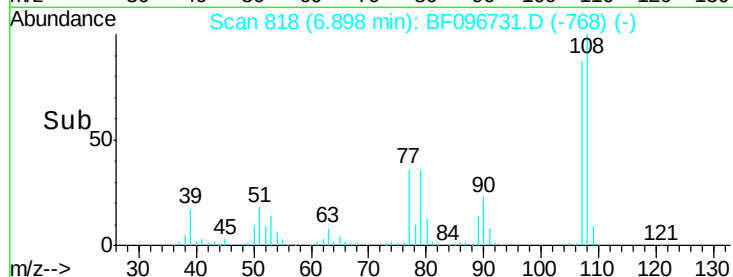
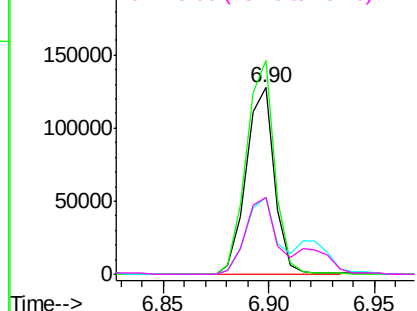
#17
2-Methylphenol
Concen: 20.355 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion:107 Resp: 119594
Ion Ratio Lower Upper
107 100
108 114.3 93.4 140.0
77 41.3 35.8 53.6
79 41.5 34.8 52.2

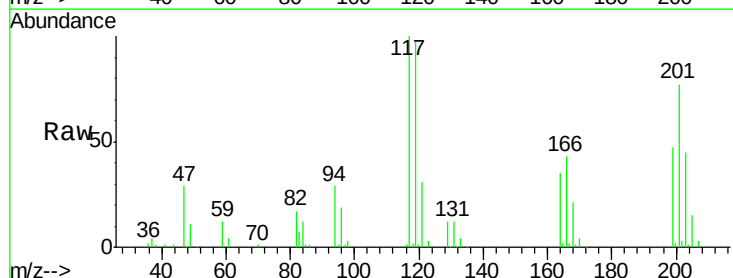


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

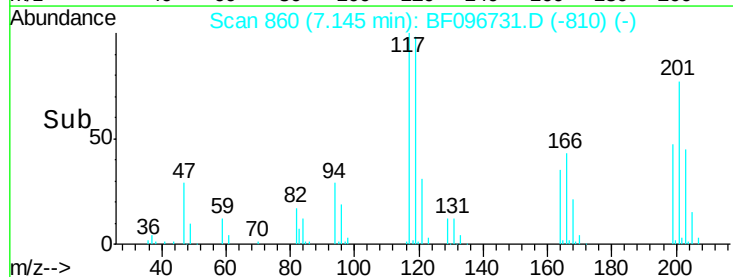
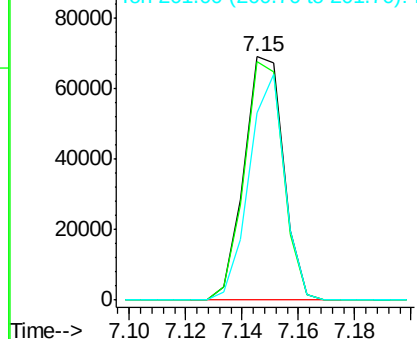


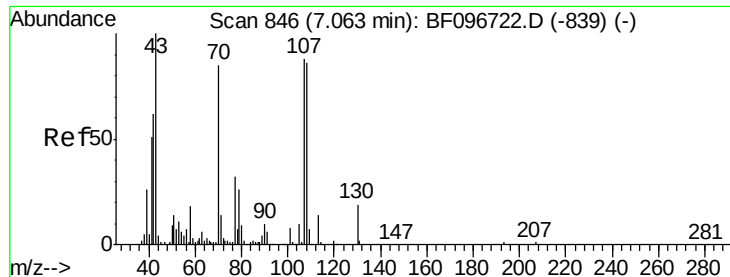
#18
Hexachloroethane
Concen: 23.232 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:117 Resp: 67003
Ion Ratio Lower Upper
117 100
119 97.8 77.4 116.0
201 76.7 94.6 141.8#



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

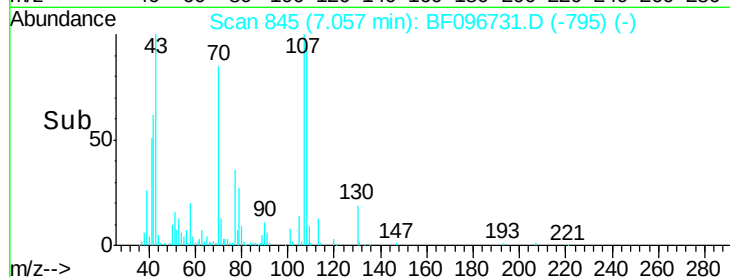
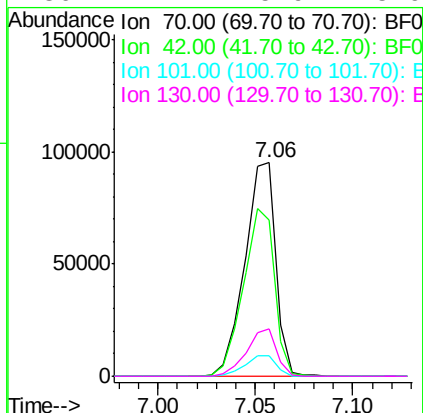
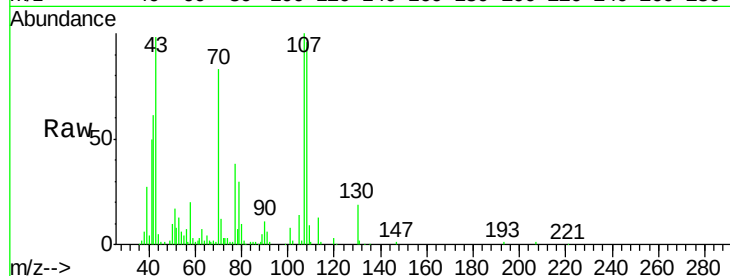




#19
n-Nitroso-di-n-propylamine
Concen: 20.684 ng
RT: 7.06 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

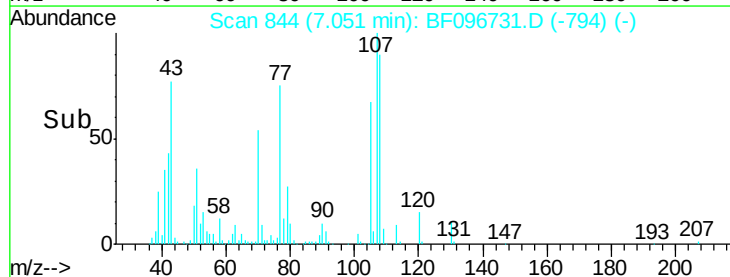
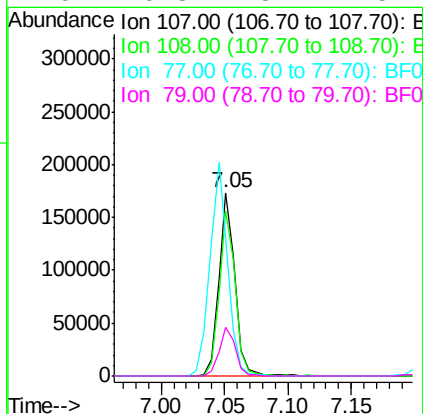
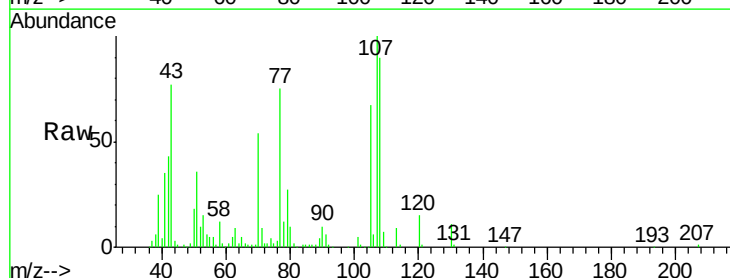
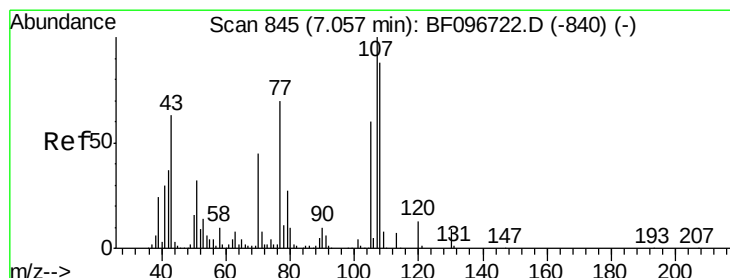
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

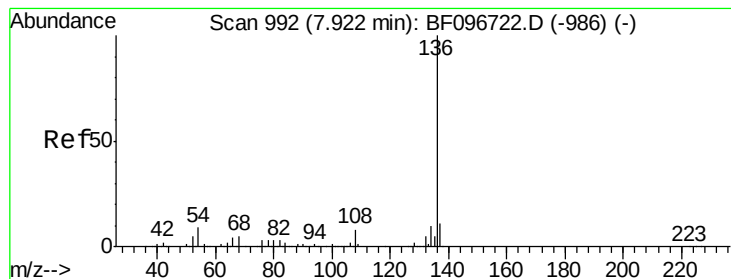
Tgt Ion:	70	Resp:	104732
Ion	Ratio	Lower	Upper
70	100		
42	73.0	47.2	70.8#
101	9.5	7.2	10.8
130	22.4	15.9	23.9



#20
3+4-Methylphenols
Concen: 21.625 ng
RT: 7.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:	107	Resp:	154178
Ion	Ratio	Lower	Upper
107	100		
108	90.0	71.0	111.0
77	75.0	90.5	130.5#
79	26.8	8.4	48.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tgt Ion:136 Resp: 499500

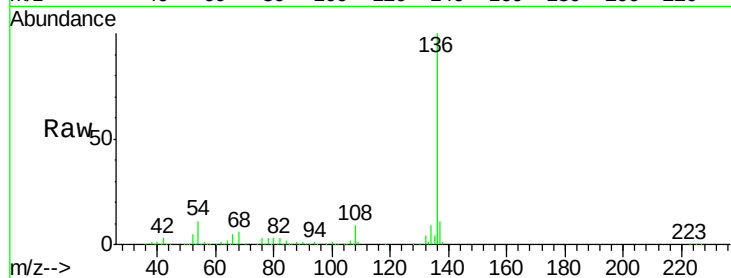
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.8 4.9 7.3#

68 5.7 4.1 6.1

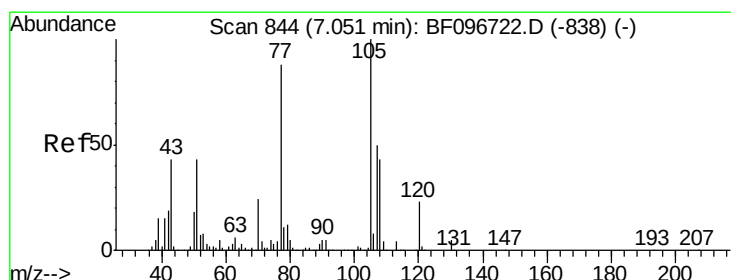
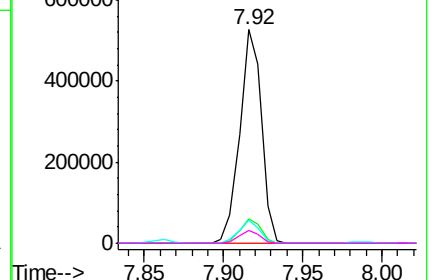
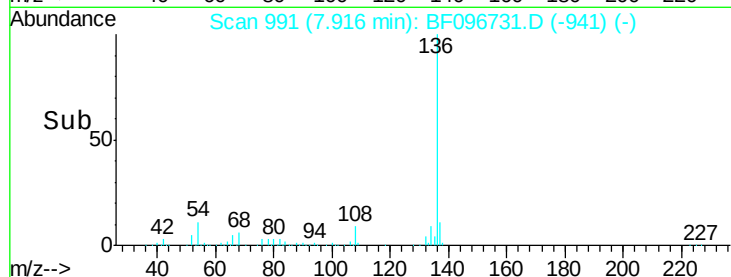


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 18.599 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Tgt Ion:105 Resp: 207638

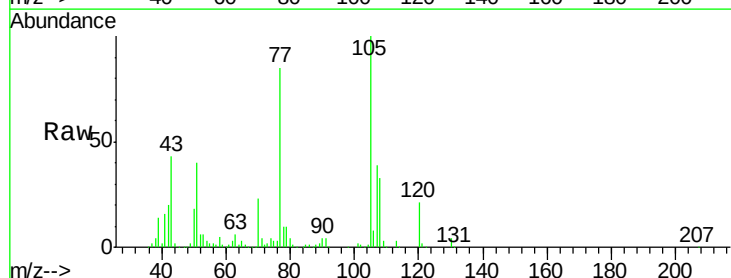
Ion Ratio Lower Upper

105 100

71 3.9 2.8 4.2

51 40.0 30.7 46.1

120 21.4 17.4 26.0

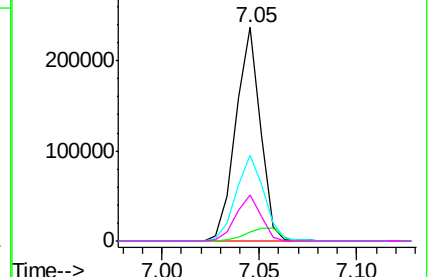
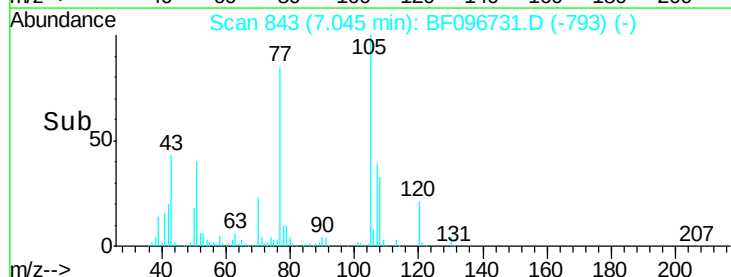


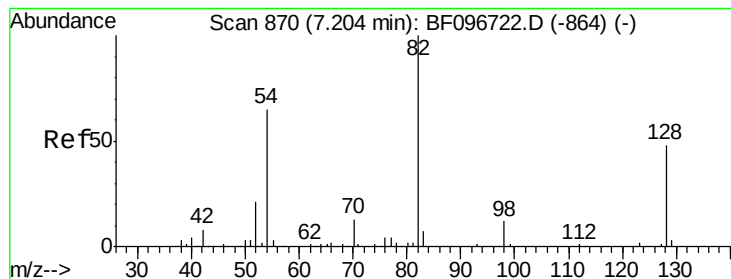
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 86.506 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

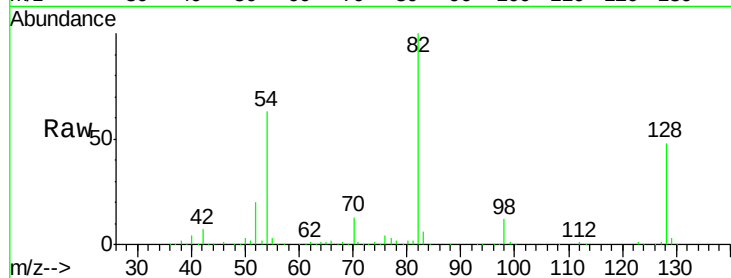
Tgt Ion: 82 Resp: 697600

Ion Ratio Lower Upper

82 100

128 48.4 34.0 51.0

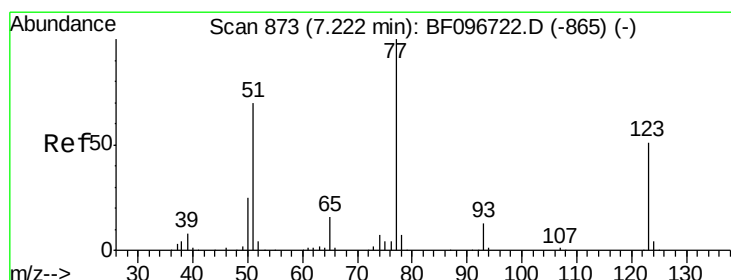
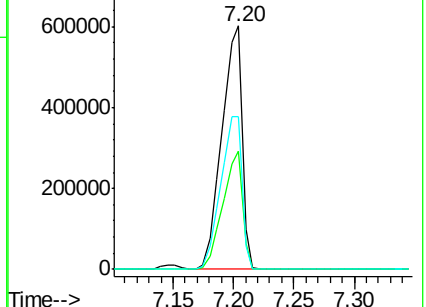
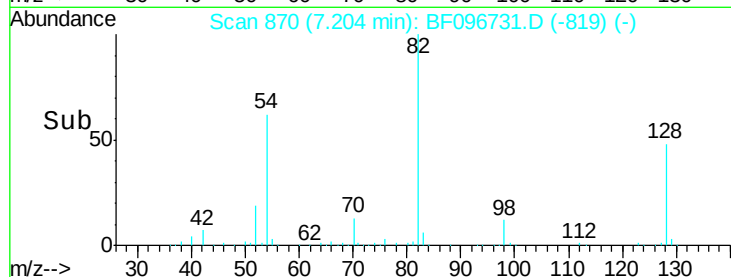
54 62.8 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 20.944 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

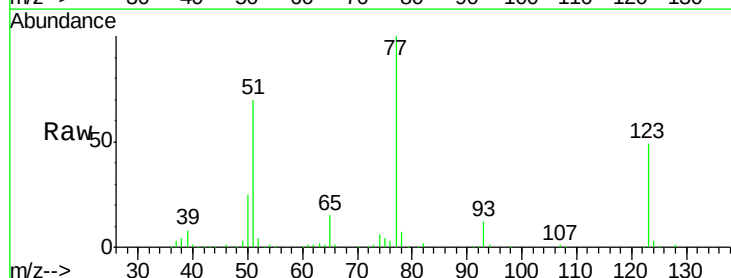
Tgt Ion: 77 Resp: 174678

Ion Ratio Lower Upper

77 100

123 49.2 35.8 53.8

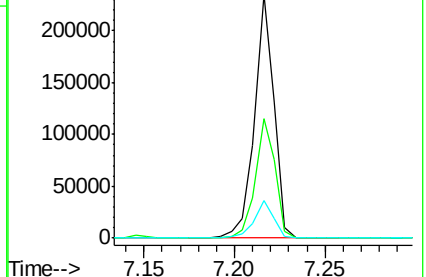
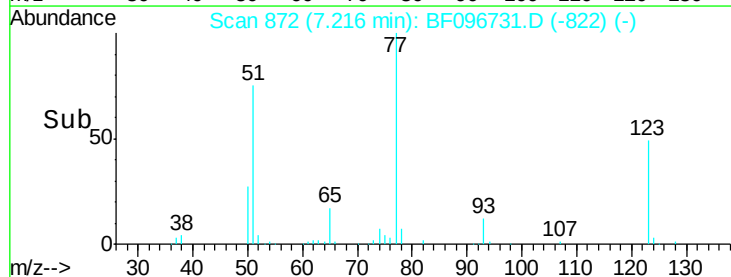
65 15.2 10.6 15.8

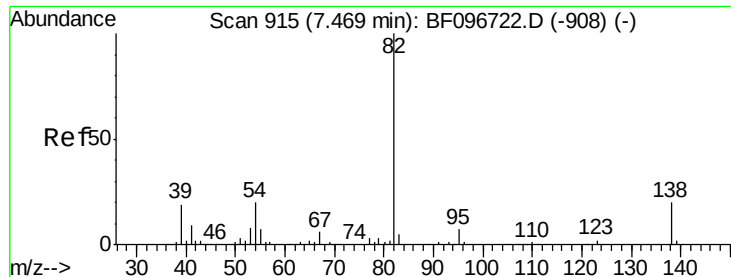


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 20.842 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

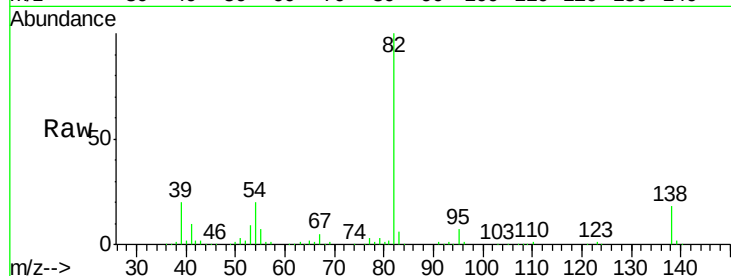
Tgt Ion: 82 Resp: 312669

Ion Ratio Lower Upper

82 100

95 6.7 5.3 7.9

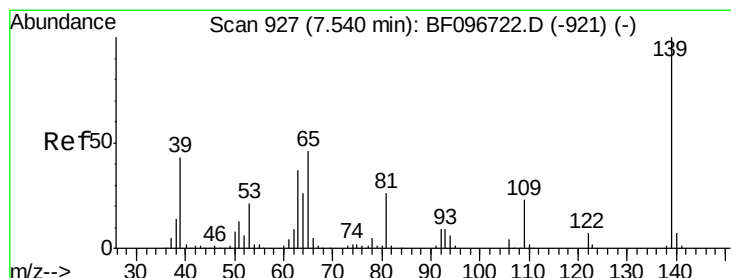
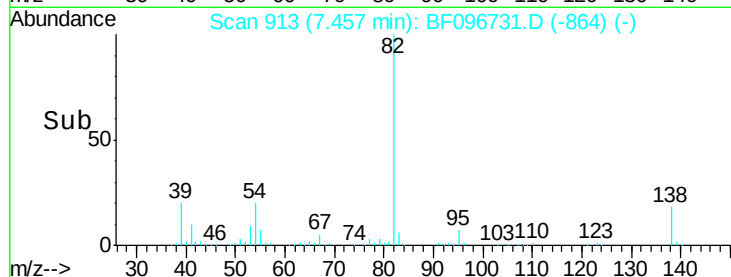
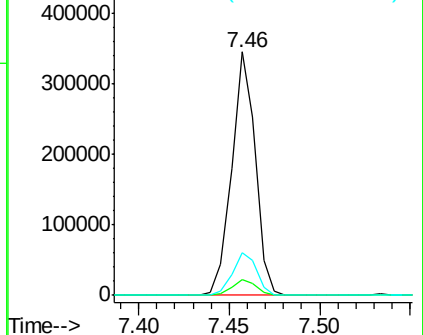
138 17.7 13.1 19.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 20.623 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

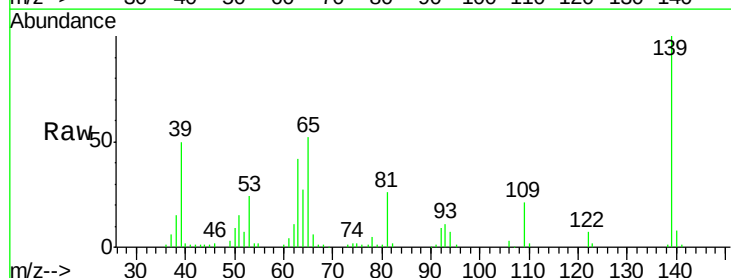
Tgt Ion: 139 Resp: 95639

Ion Ratio Lower Upper

139 100

109 21.4 21.0 31.6

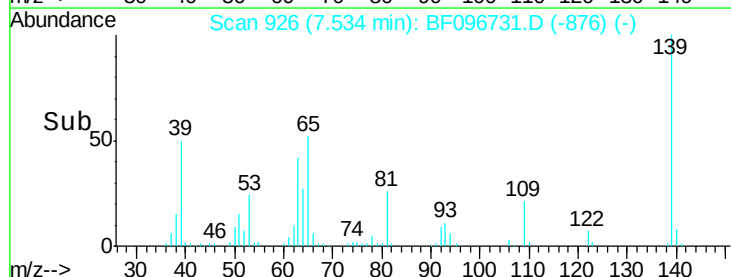
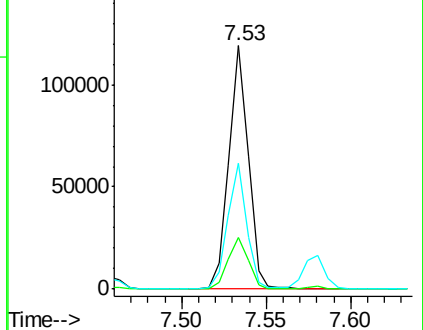
65 51.6 33.0 49.6#

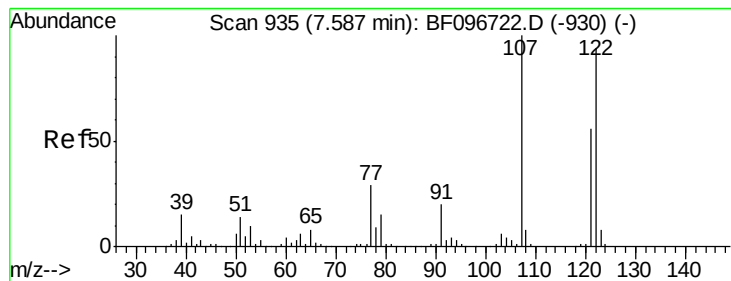


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 20.751 ng

RT: 7.58 min Scan# 934

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

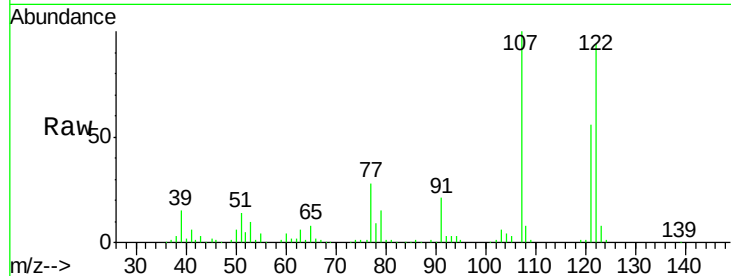
Tgt Ion:122 Resp: 158314

Ion Ratio Lower Upper

122 100

107 106.4 89.2 133.8

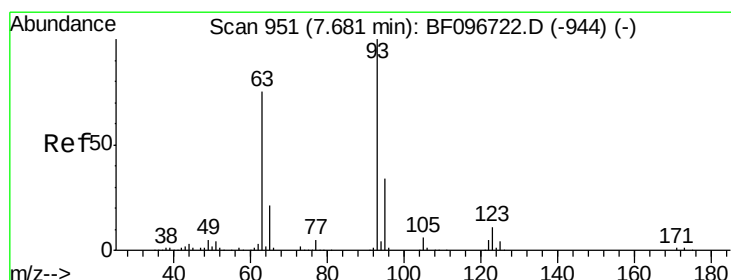
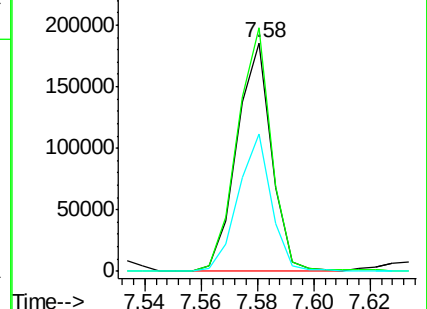
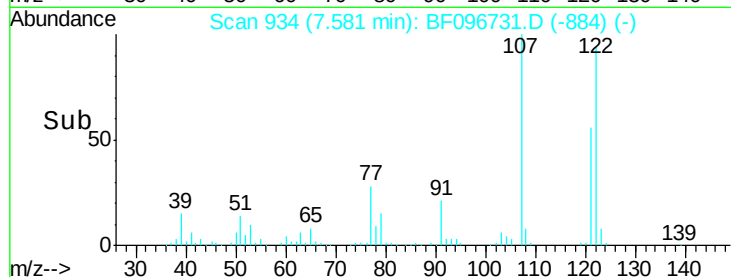
121 59.8 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 20.771 ng

RT: 7.67 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

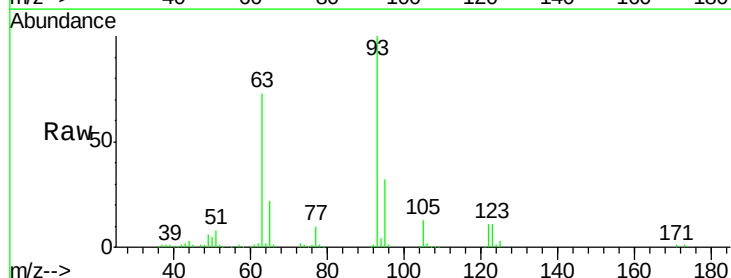
Tgt Ion: 93 Resp: 210558

Ion Ratio Lower Upper

93 100

95 32.4 26.5 39.7

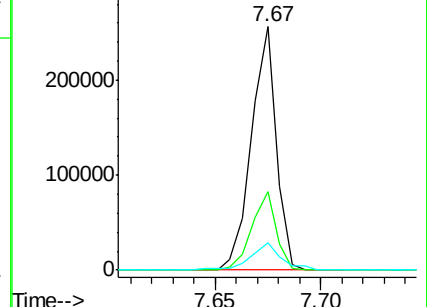
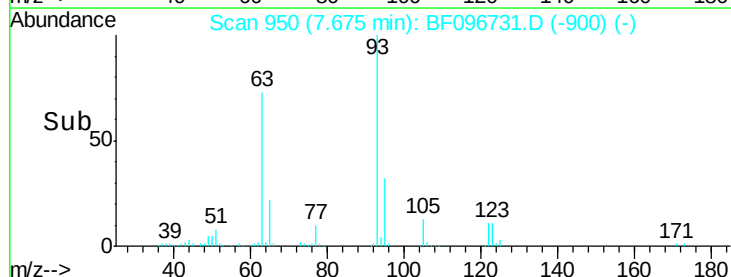
123 11.3 9.0 13.4

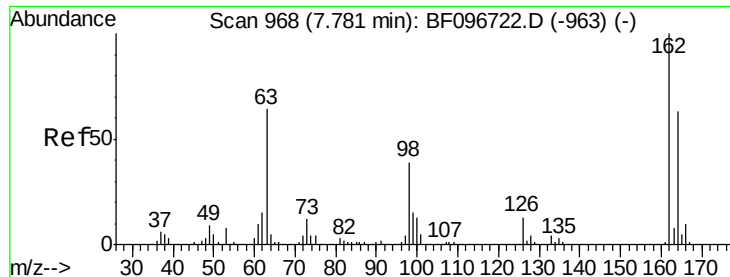


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

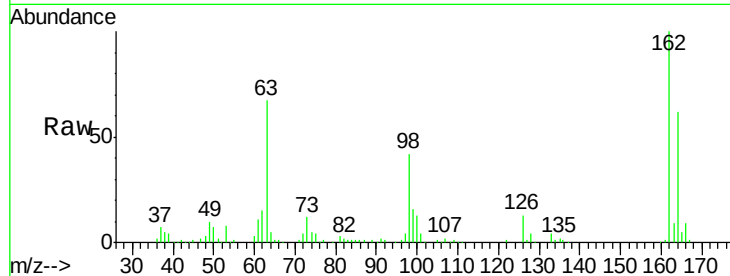




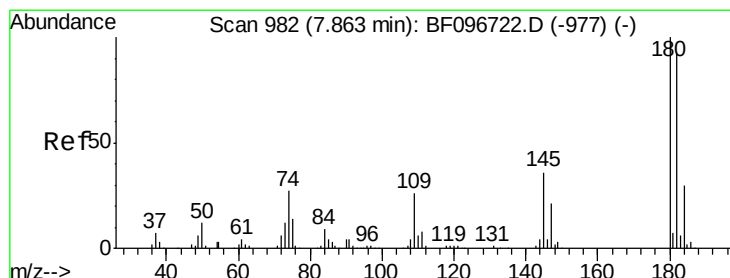
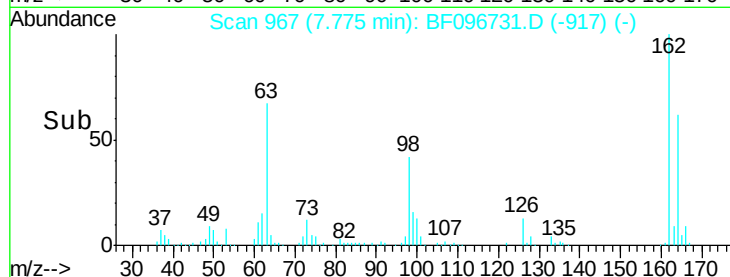
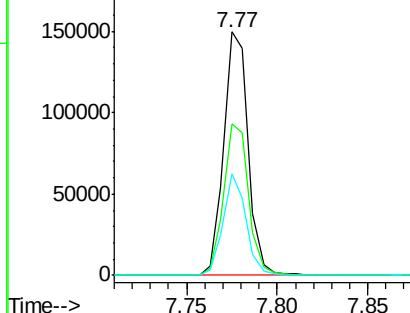
#29
2,4-Dichlorophenol
Concen: 20.377 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion	Ratio	Lower	Upper
162	100		
164	62.3	44.6	84.6
98	41.6	14.8	54.8

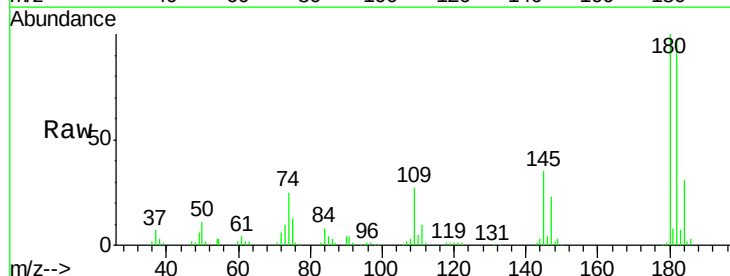


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

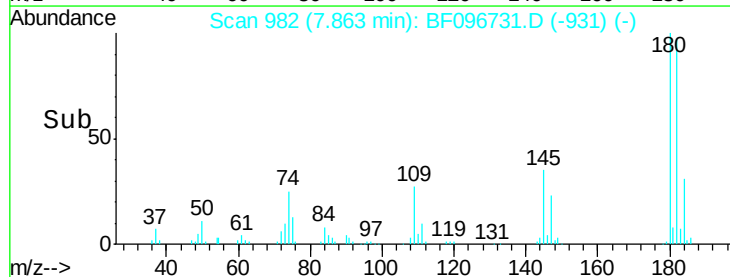
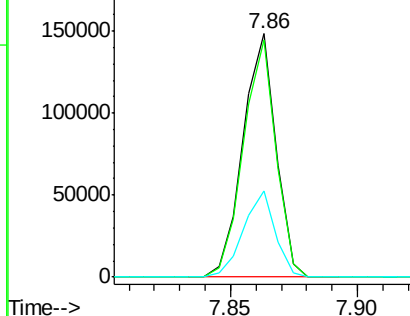


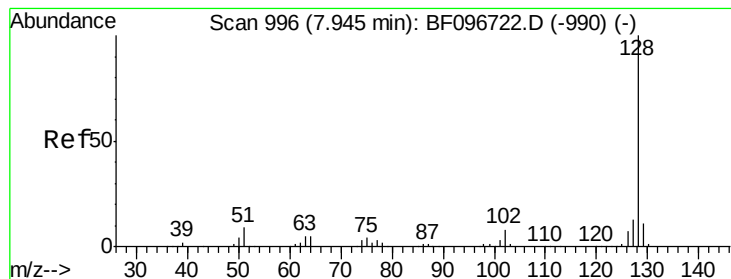
#30
1,2,4-Trichlorobenzene
Concen: 20.466 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	75.8	113.6
145	35.1	25.3	37.9



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: 20.760 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

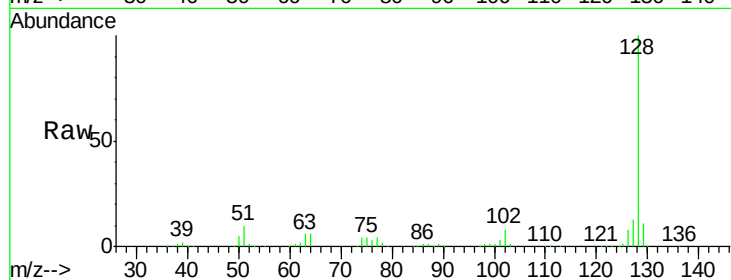
Tgt Ion:128 Resp: 491225

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

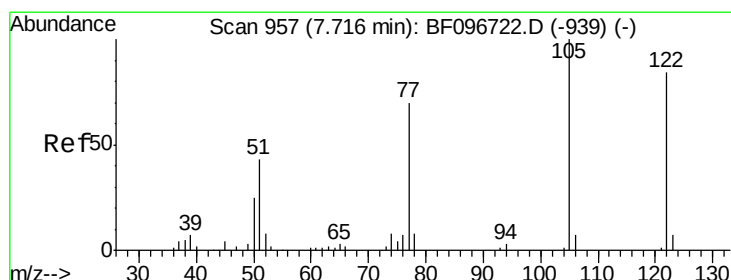
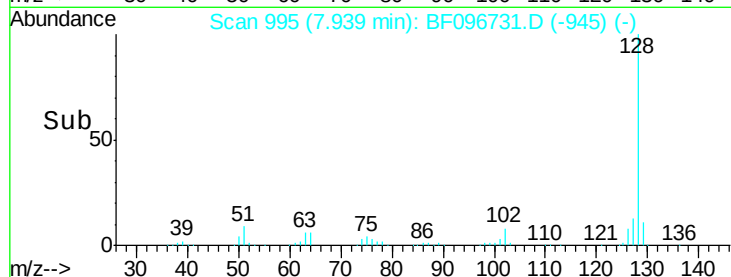
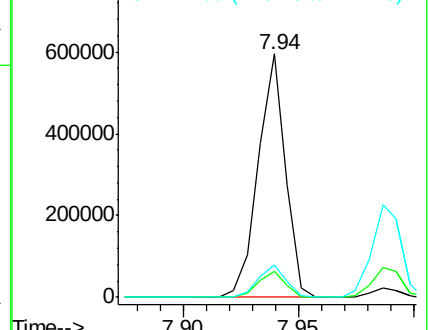
127 13.1 10.8 16.2



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: 20.760 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.02 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

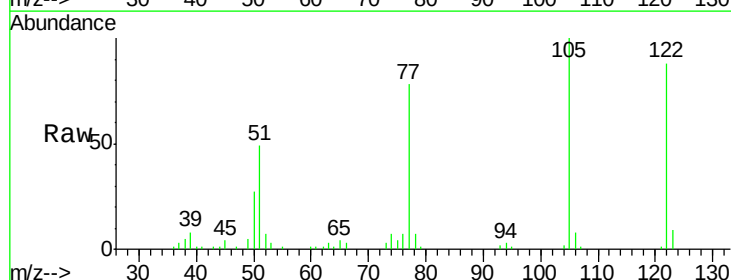
Tgt Ion:122 Resp: 101230

Ion Ratio Lower Upper

122 100

105 113.1 103.3 143.3

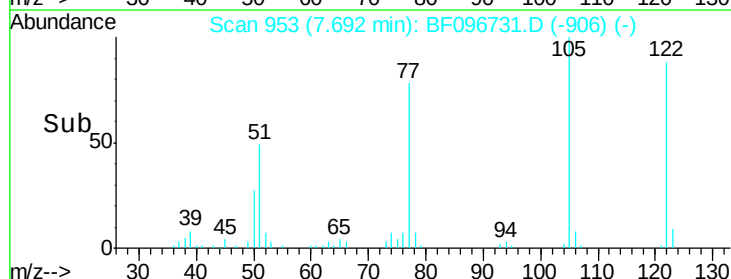
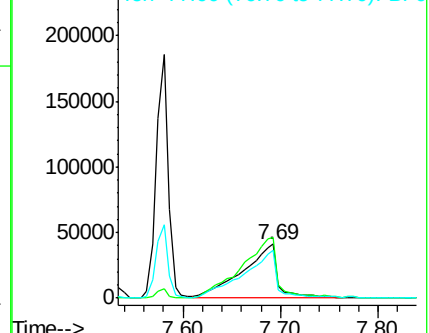
77 87.8 73.7 113.7

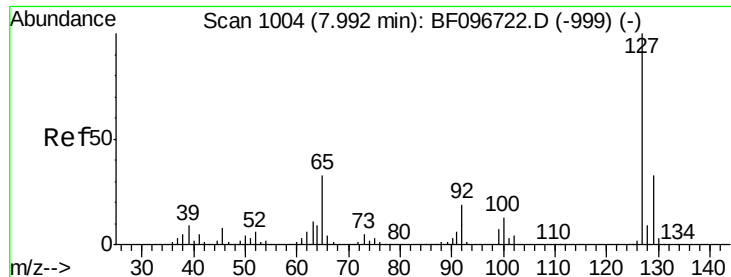


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

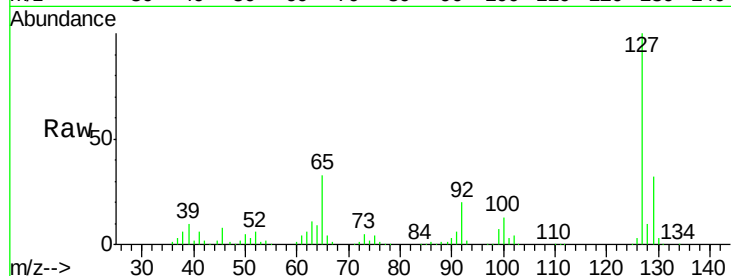




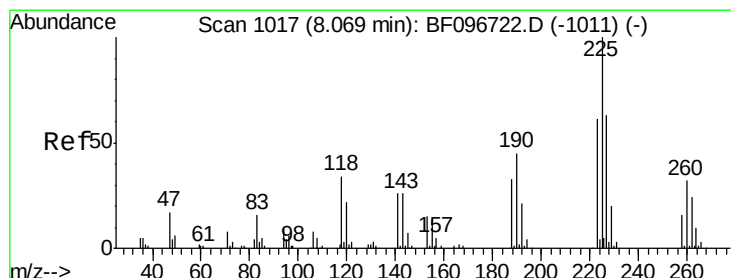
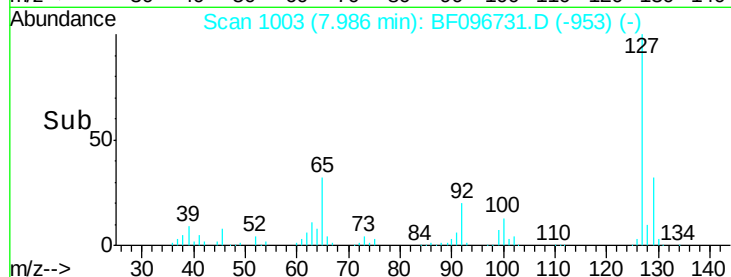
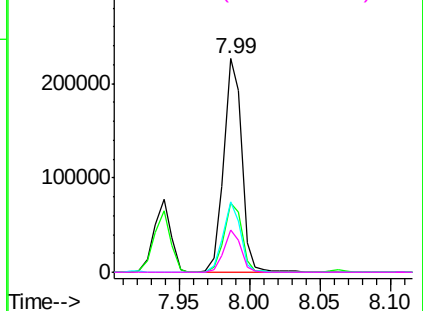
#33
4-Chloroaniline
Concen: 21.551 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

Tgt Ion:	127	Resp:	202045
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.2	39.2
65	33.1	27.8	41.8
92	19.9	16.8	25.2

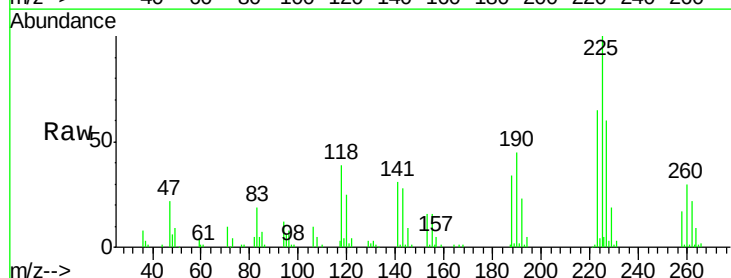


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

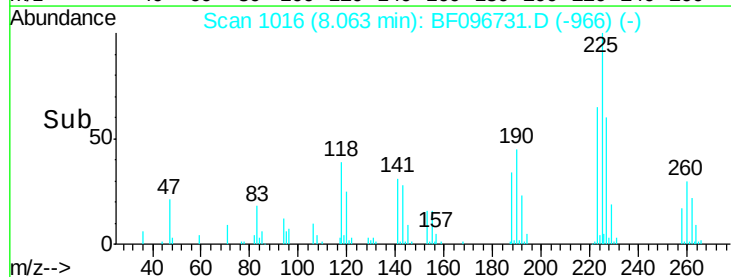
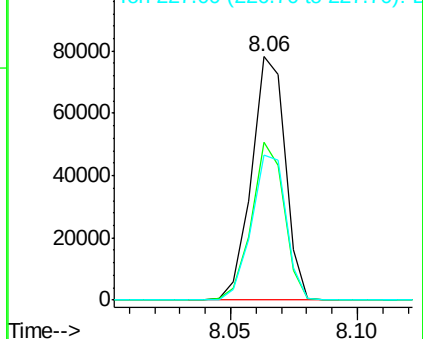


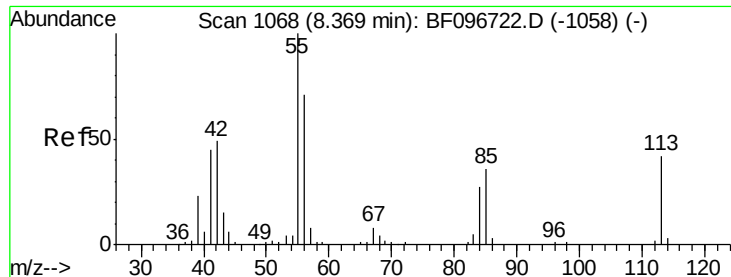
#34
Hexachlorobutadiene
Concen: 20.736 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:	225	Resp:	72683
Ion	Ratio	Lower	Upper
225	100		
223	64.8	48.8	73.2
227	59.7	51.1	76.7



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

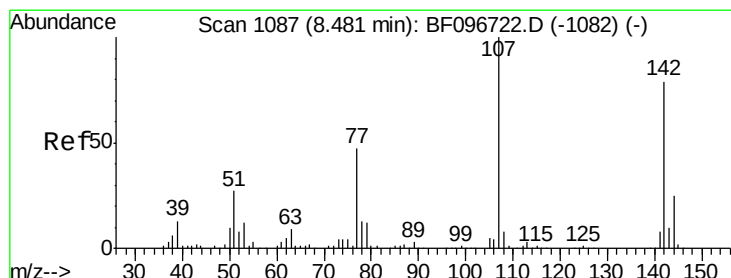
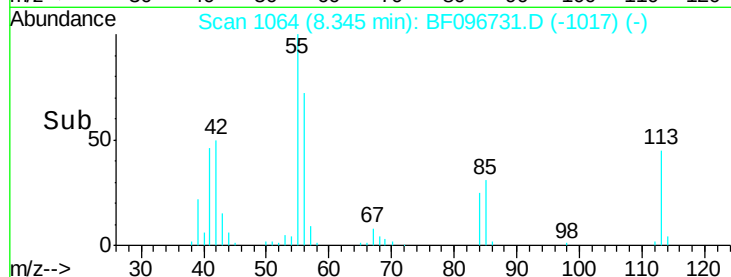
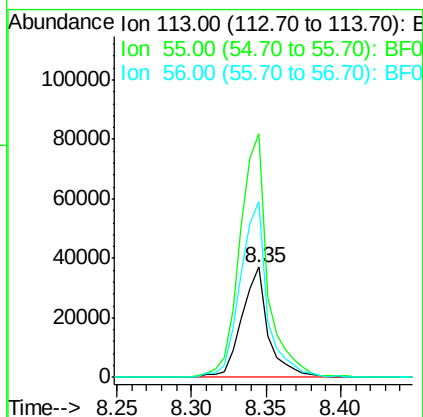
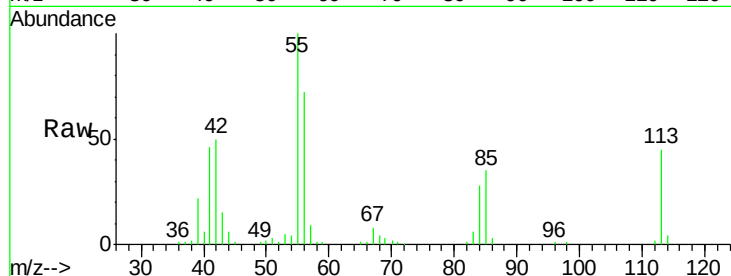




#35
Caprolactam
Concen: 20.613 ng
RT: 8.35 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

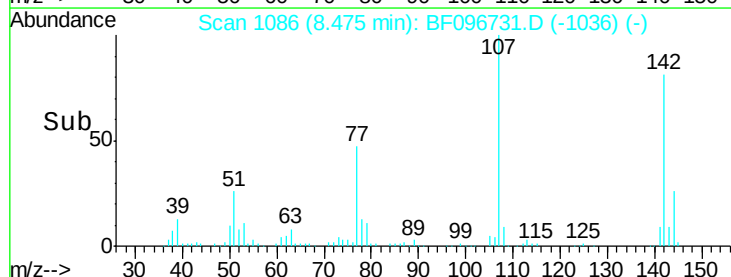
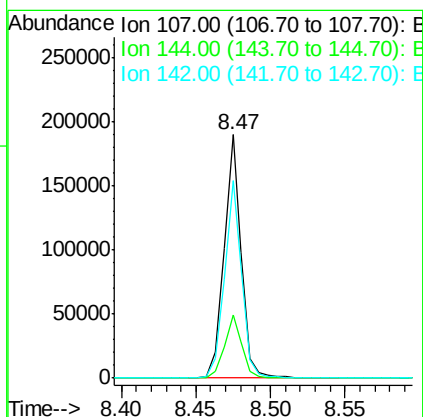
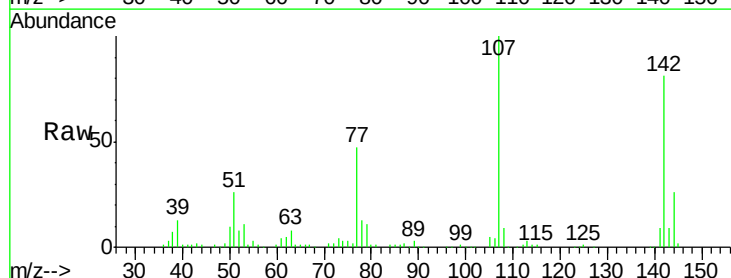
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

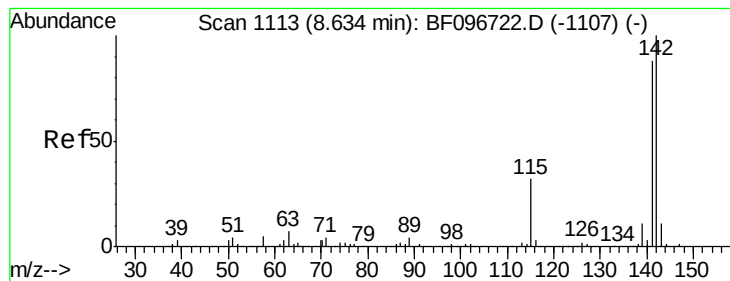
Tgt Ion:113 Resp: 45612
Ion Ratio Lower Upper
113 100
55 221.2 150.2 190.2#
56 159.2 107.8 147.8#



#36
4-Chloro-3-methylphenol
Concen: 20.711 ng
RT: 8.47 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:107 Resp: 153792
Ion Ratio Lower Upper
107 100
144 25.9 24.2 36.4
142 81.2 73.4 110.0





#37

2-Methylnaphthalene

Concen: 21.029 ng

RT: 8.63 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

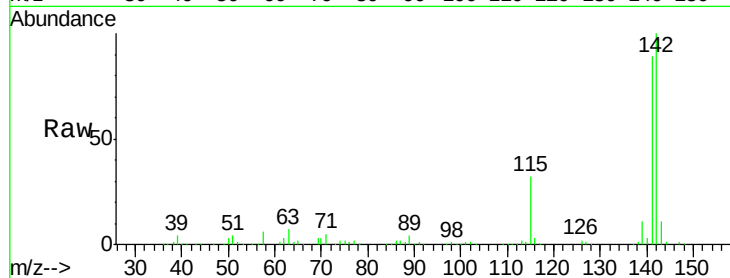
Tgt Ion:142 Resp: 317241

Ion Ratio Lower Upper

142 100

141 88.7 71.3 106.9

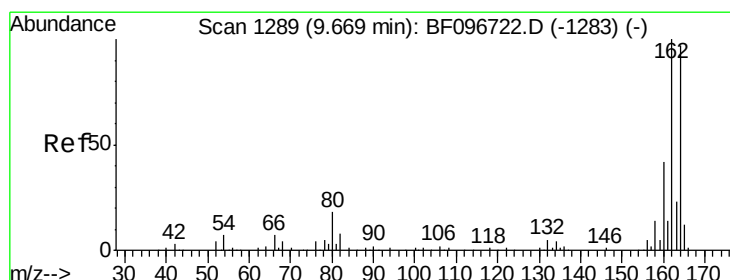
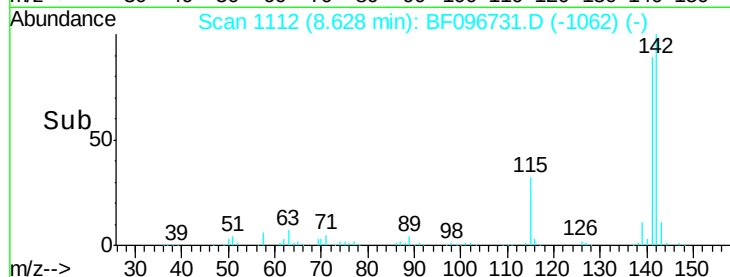
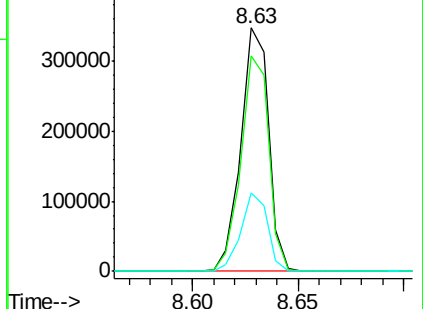
115 32.3 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1289

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

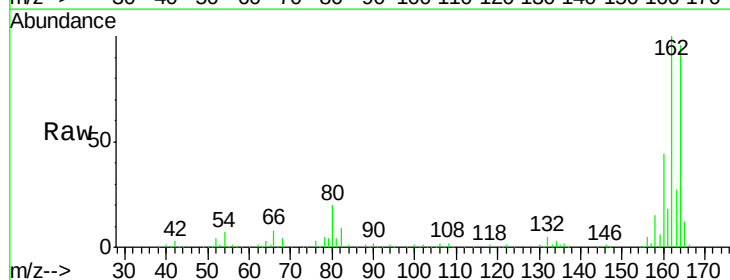
Tgt Ion:164 Resp: 222203

Ion Ratio Lower Upper

164 100

162 104.3 82.6 123.8

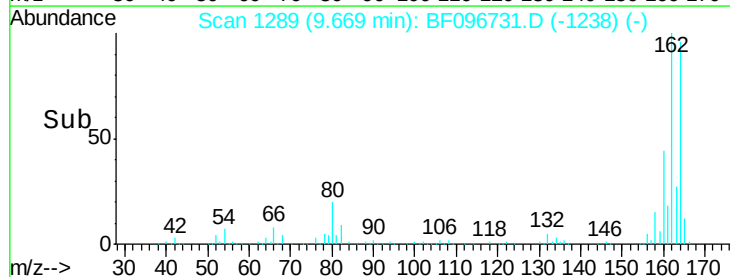
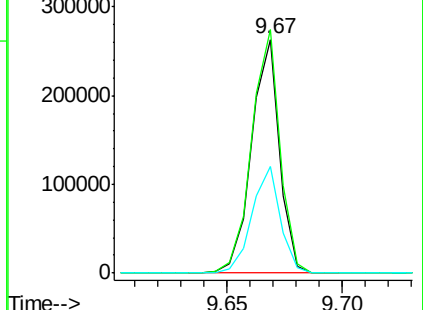
160 45.9 36.2 54.2

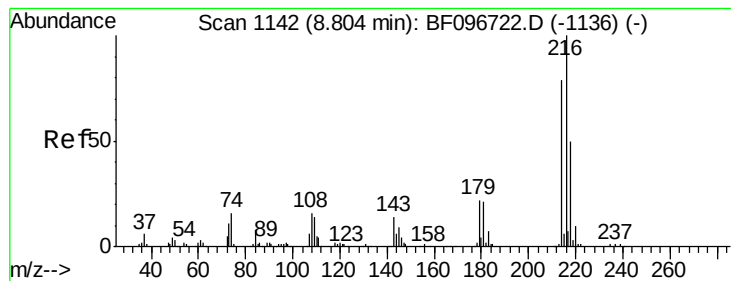


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 21.194 ng

RT: 8.80 min Scan# 1141

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

Tgt Ion:216 Resp: 127304

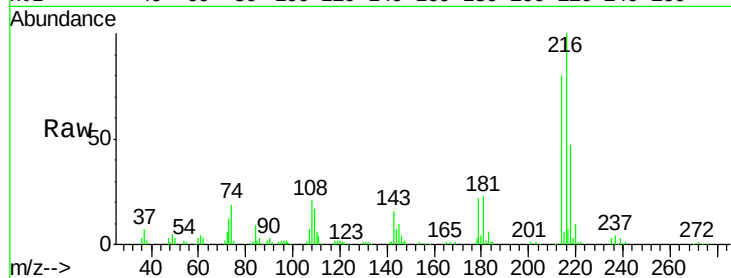
Ion Ratio Lower Upper

216 100

214 80.0 63.4 95.2

179 22.0 17.9 26.9

108 20.6 16.5 24.7

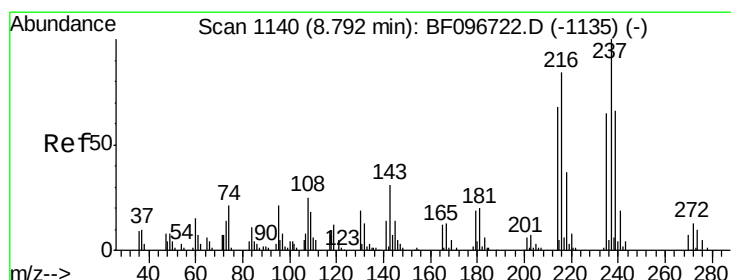
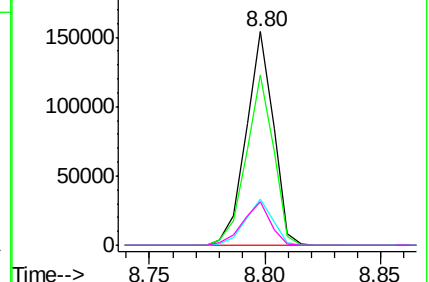
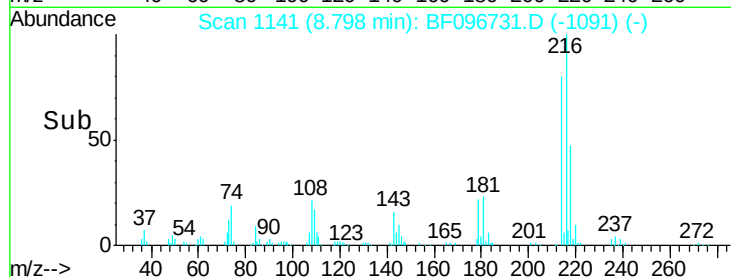


Abundance Ion 216.00 (215.70 to 216.70): E

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



#40

Hexachlorocyclopentadiene

Concen: 19.847 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

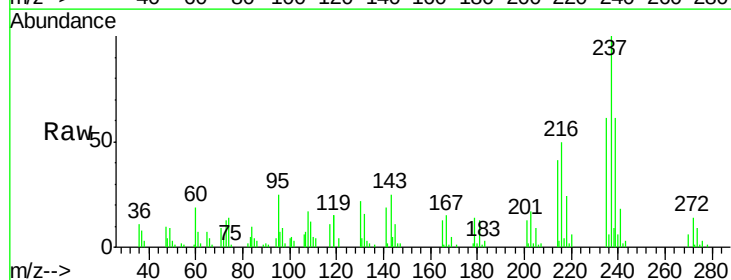
Tgt Ion:237 Resp: 35810

Ion Ratio Lower Upper

237 100

235 61.1 42.6 82.6

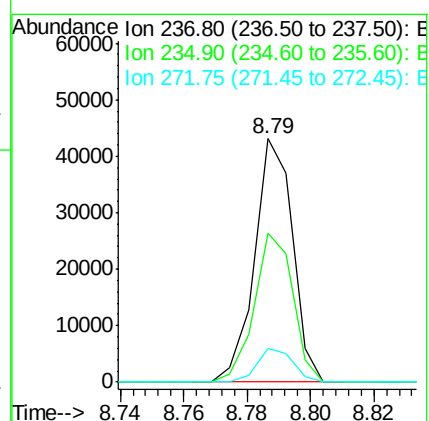
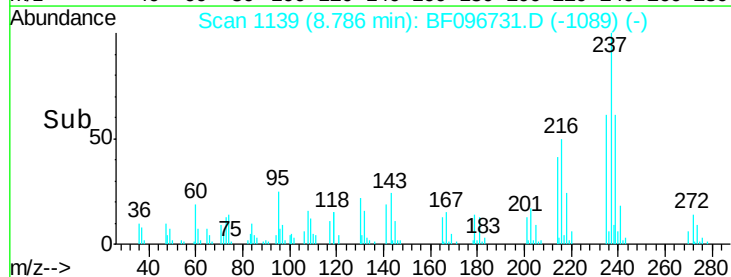
272 14.1 0.0 31.9

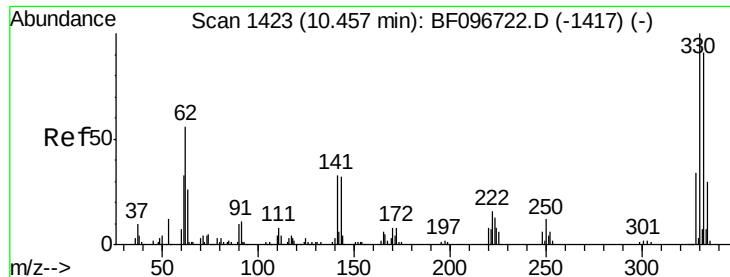


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

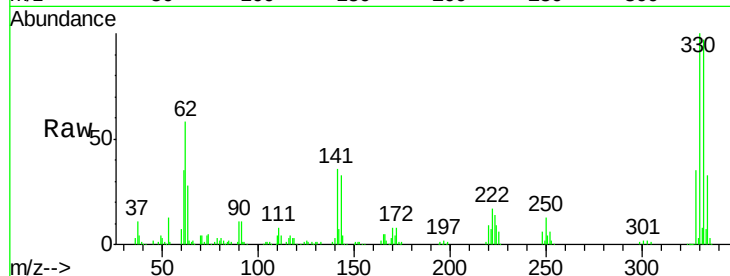




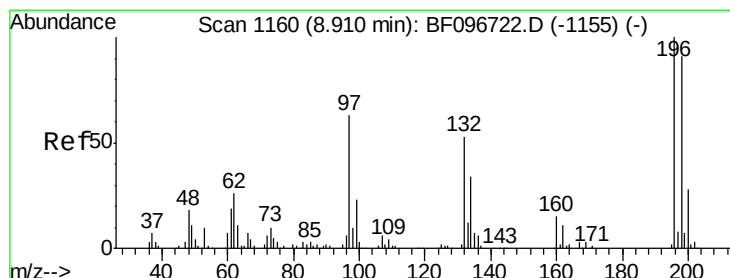
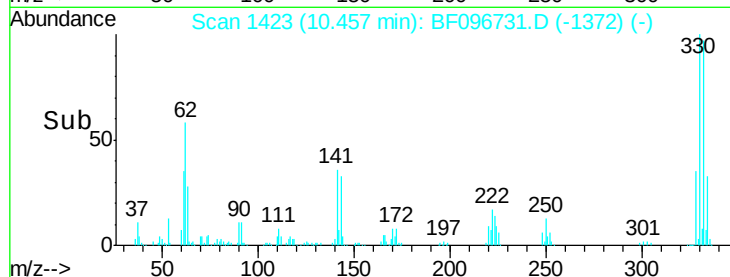
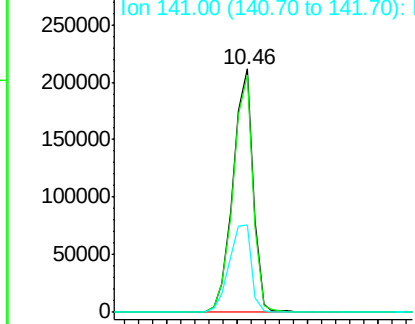
#41
 2,4,6-Tribromophenol
 Concen: 111.140 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion:330 Resp: 210798
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.6 115.0
 141 39.4 31.4 47.2

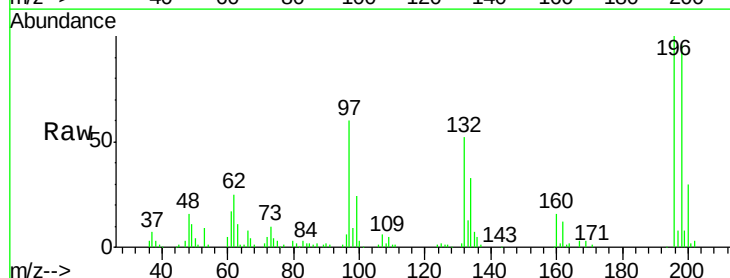


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

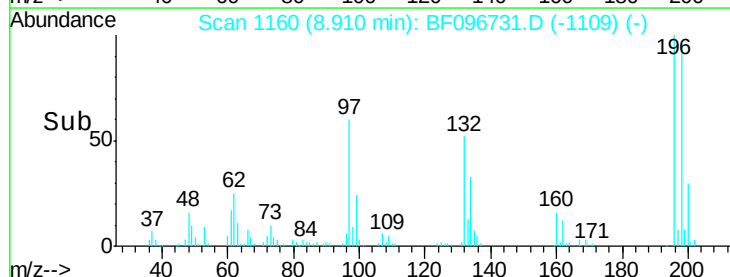
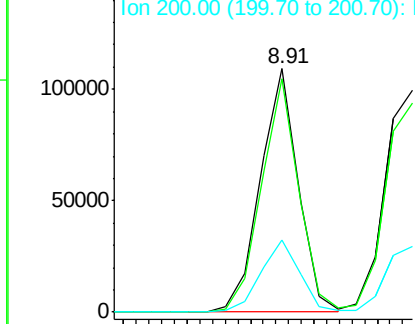


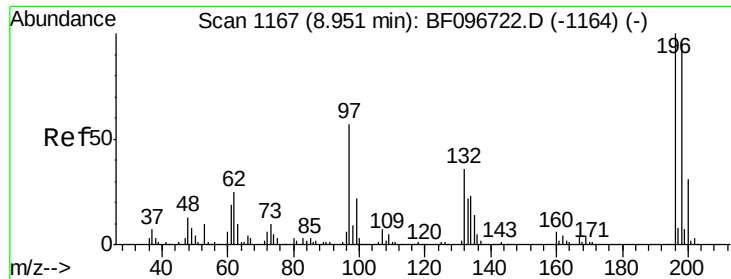
#42
 2,4,6-Trichlorophenol
 Concen: 20.462 ng
 RT: 8.91 min Scan# 1160
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:196 Resp: 90661
 Ion Ratio Lower Upper
 196 100
 198 96.0 74.2 111.4
 200 29.8 24.0 36.0



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

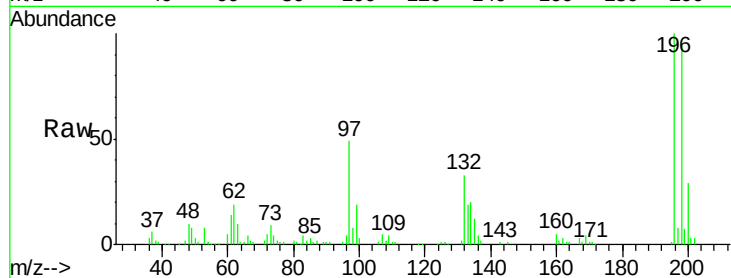




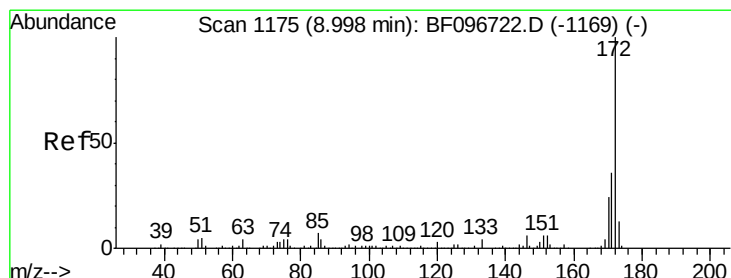
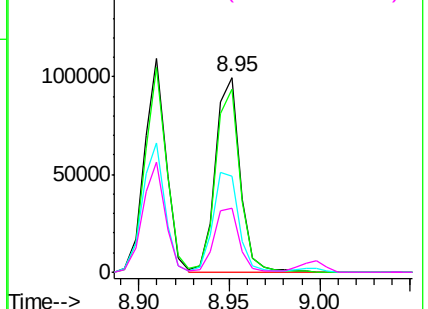
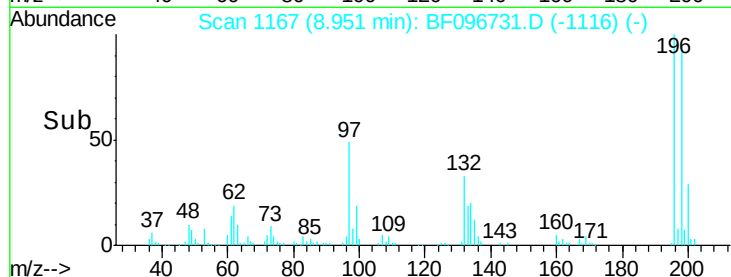
#43
 2,4,5-Trichlorophenol
 Concen: 20.961 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion:196 Resp: 93664
 Ion Ratio Lower Upper
 196 100
 198 93.9 75.7 113.5
 97 49.2 47.7 71.5
 132 32.9 28.0 42.0

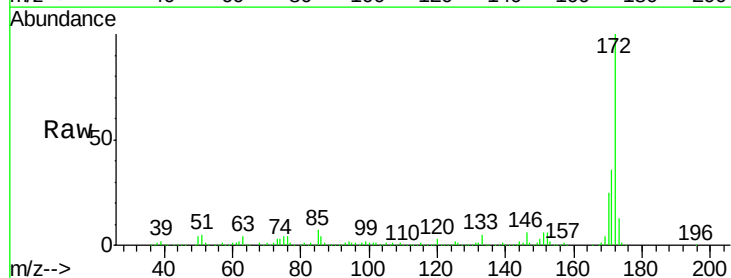


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

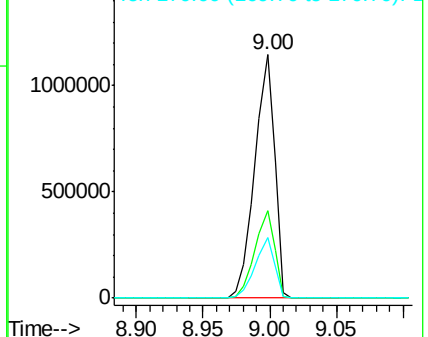
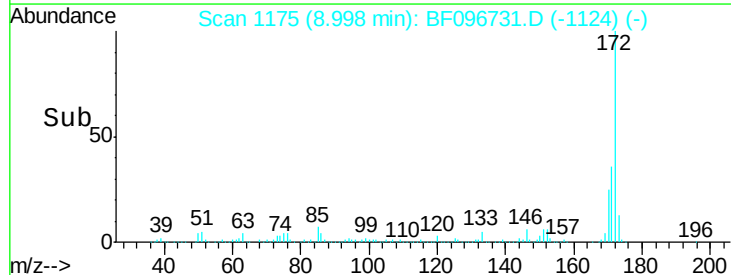


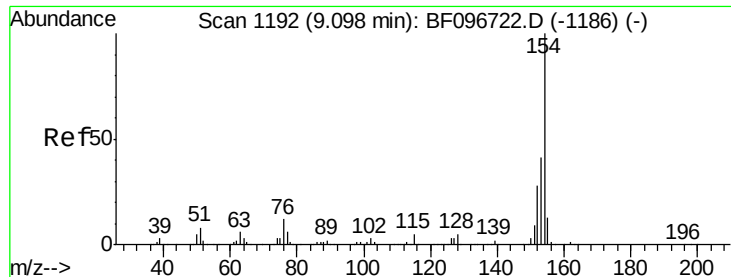
#44
 2-Fluorobiphenyl
 Concen: 82.662 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:172 Resp: 1162577
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 24.8 19.8 29.8



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

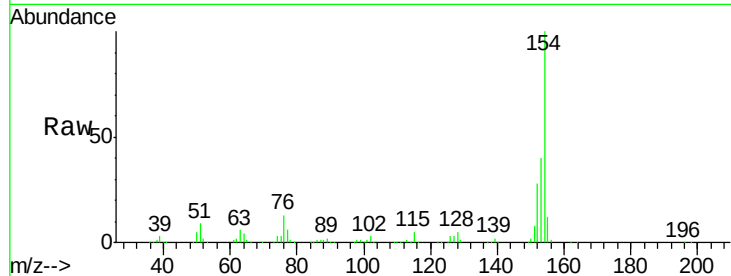




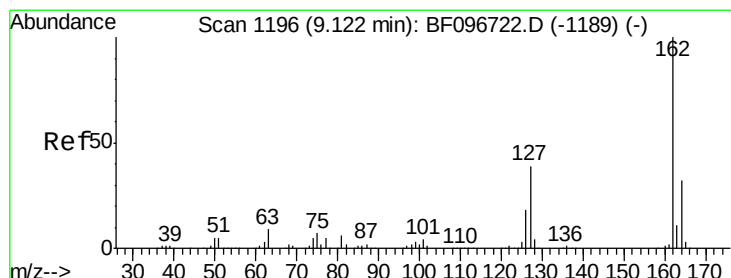
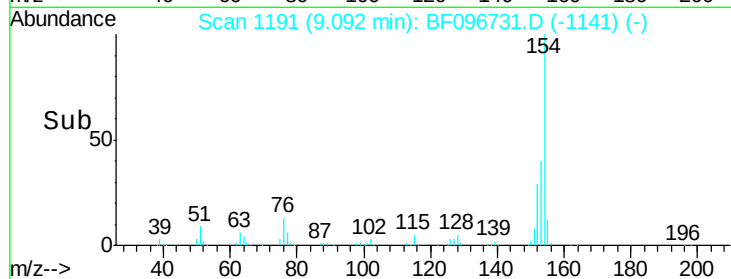
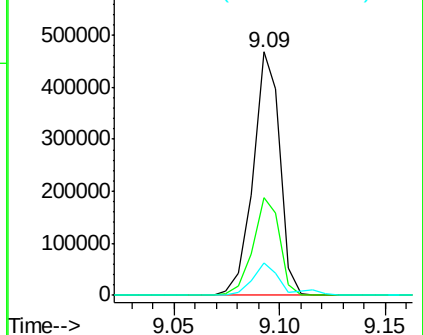
#45
 1,1'-Biphenyl
 Concen: 21.552 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion:154 Resp: 410720
 Ion Ratio Lower Upper
 154 100
 153 40.0 21.2 61.2
 76 13.4 0.0 29.9

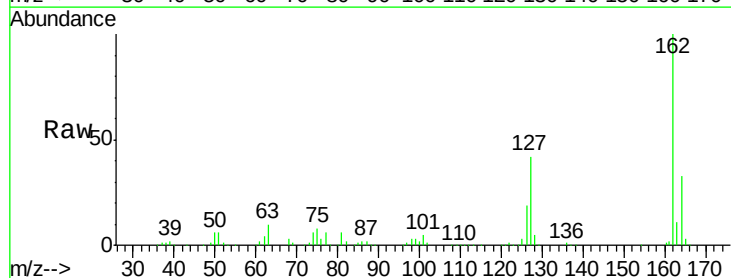


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

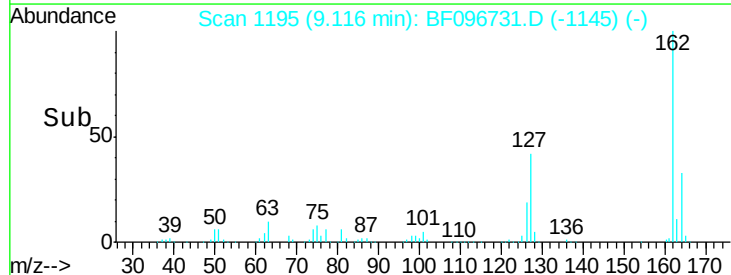
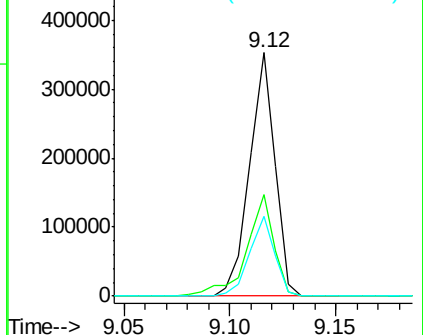


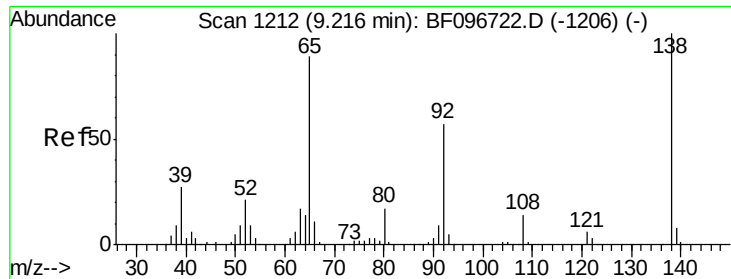
#46
 2-Chloronaphthalene
 Concen: 21.092 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:162 Resp: 295973
 Ion Ratio Lower Upper
 162 100
 127 41.7 28.3 42.5
 164 32.8 27.0 40.4



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





#47

2-Nitroaniline

Concen: 21.647 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

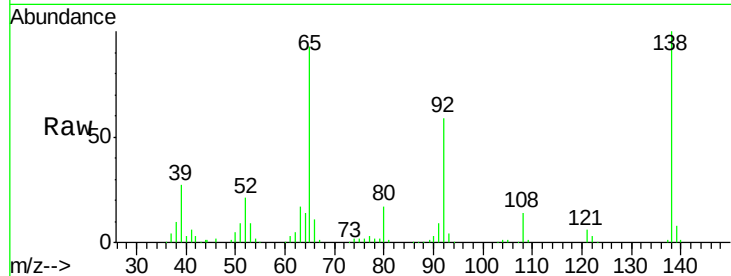
Tgt Ion: 65 Resp: 104415

Ion Ratio Lower Upper

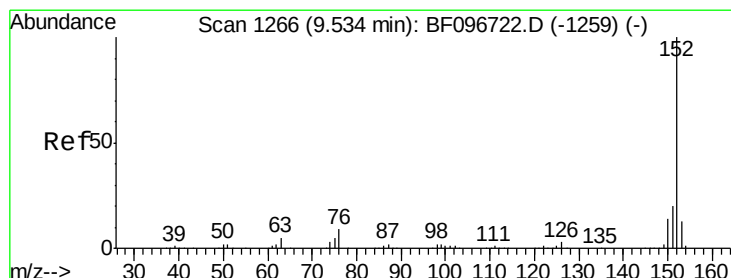
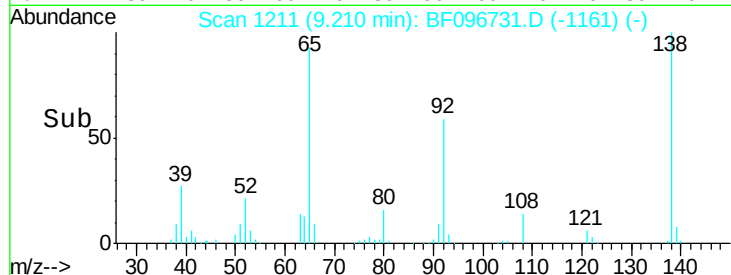
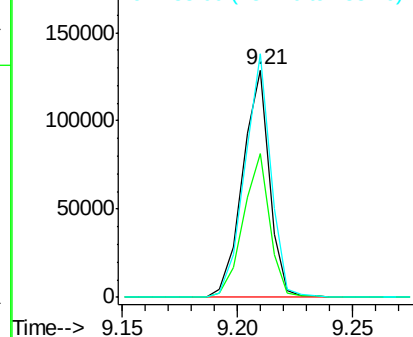
65 100

92 62.9 53.9 80.9

138 107.0 78.8 118.2



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#48

Acenaphthylene

Concen: 21.319 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

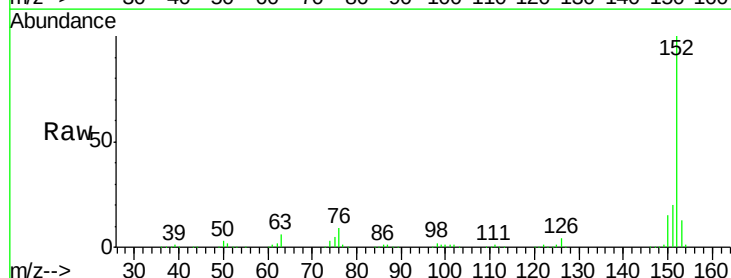
Tgt Ion: 152 Resp: 476661

Ion Ratio Lower Upper

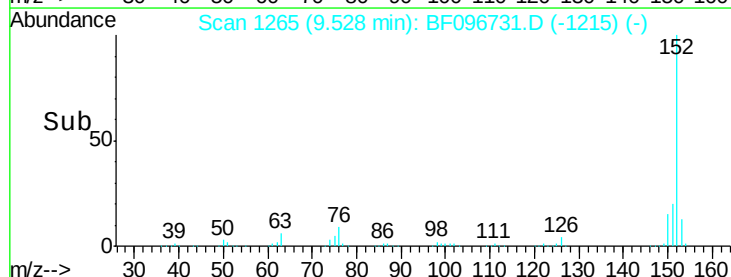
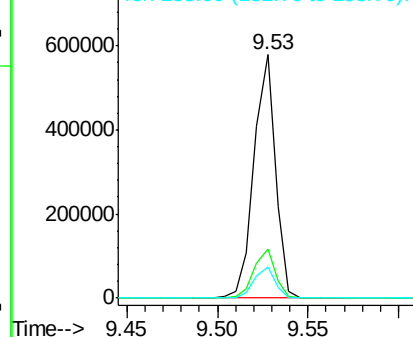
152 100

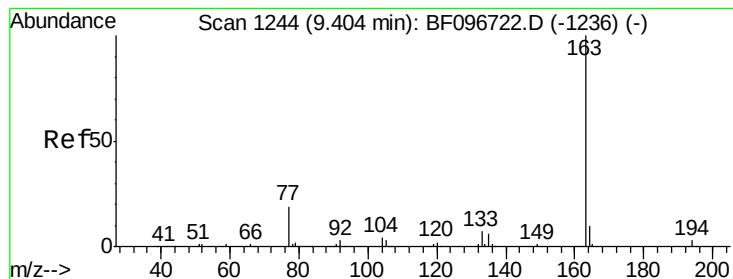
151 20.1 16.8 25.2

153 13.0 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 20.909 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

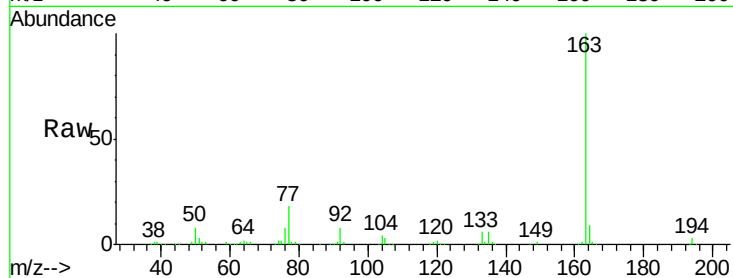
Tgt Ion:163 Resp: 349832

Ion Ratio Lower Upper

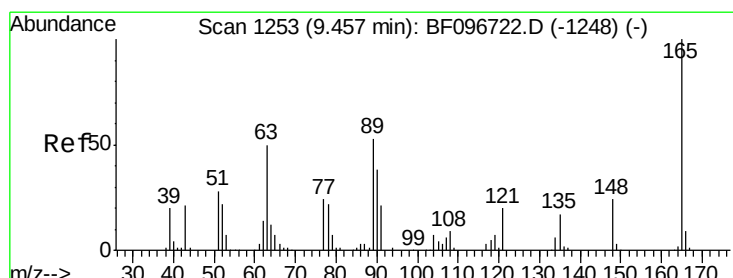
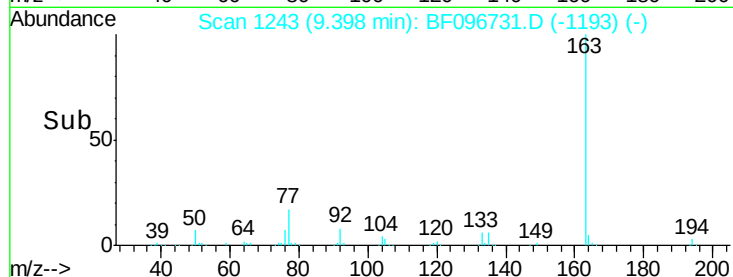
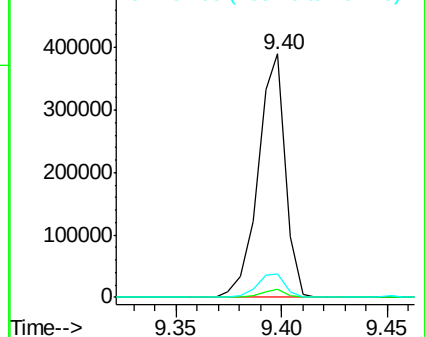
163 100

194 3.3 2.6 4.0

164 9.4 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 21.171 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

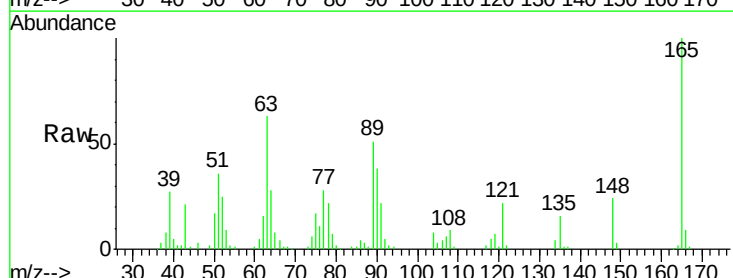
Tgt Ion:165 Resp: 76723

Ion Ratio Lower Upper

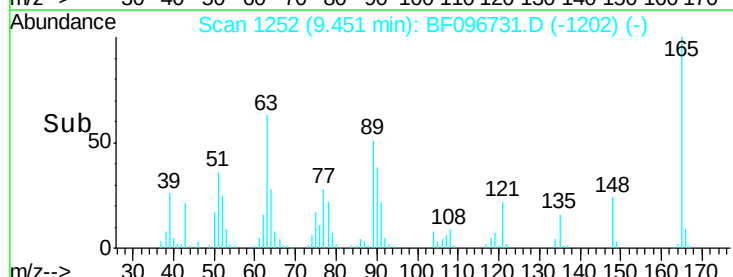
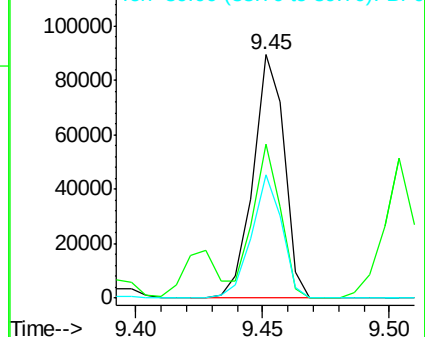
165 100

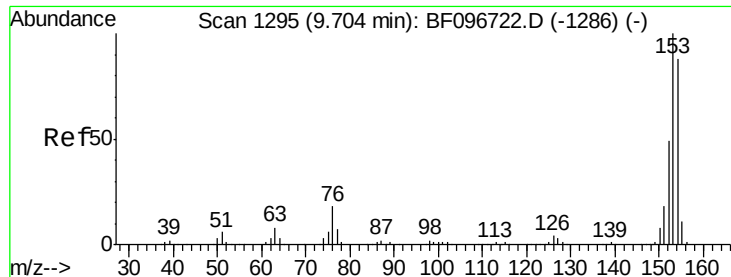
63 63.4 34.3 51.5#

89 50.6 37.1 55.7



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 20.861 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

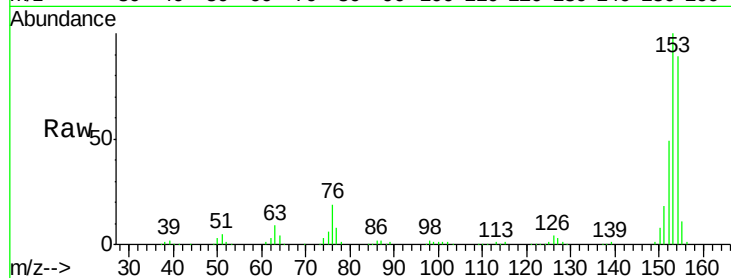
Tgt Ion:154 Resp: 275538

Ion Ratio Lower Upper

154 100

153 112.6 90.5 135.7

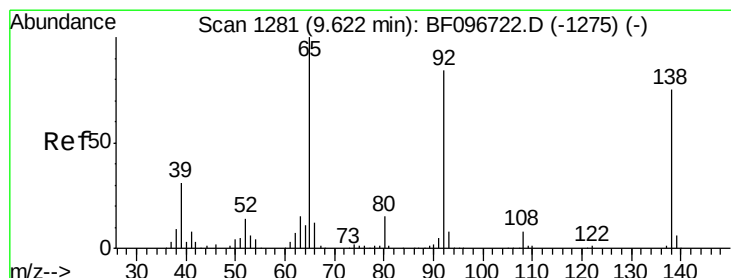
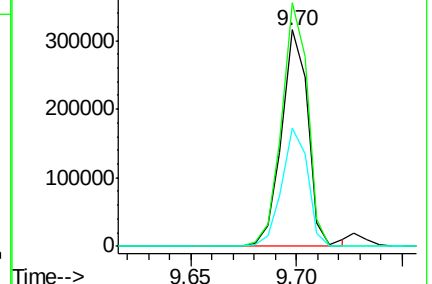
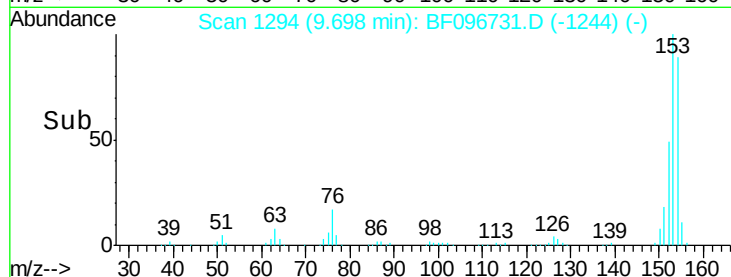
152 54.8 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 21.304 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

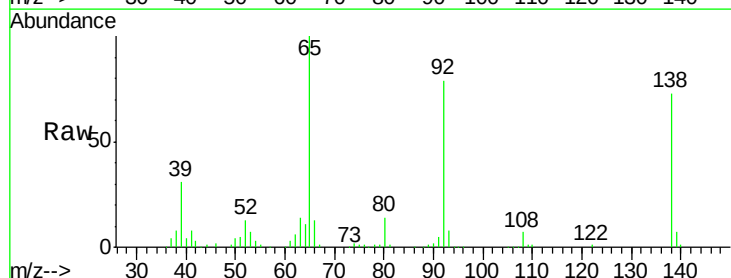
Tgt Ion:138 Resp: 91462

Ion Ratio Lower Upper

138 100

108 9.6 9.1 13.7

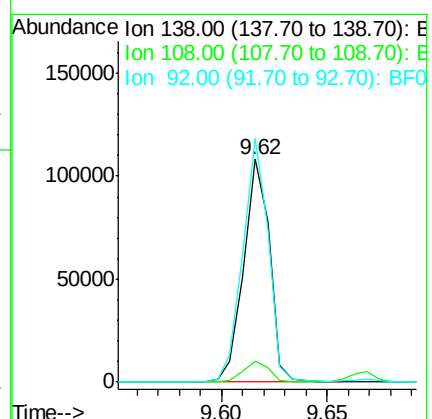
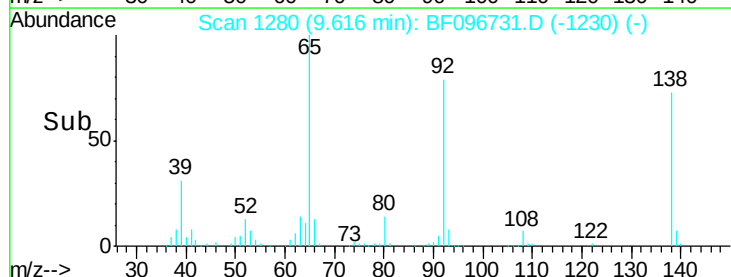
92 109.3 93.8 140.6

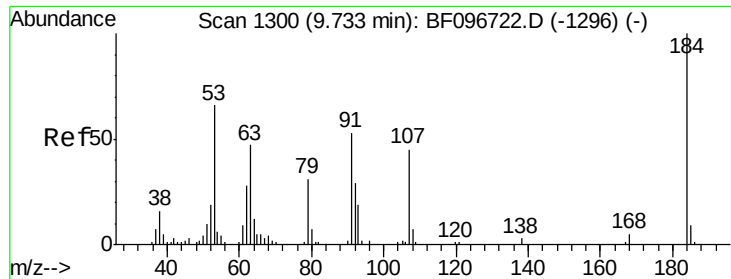


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

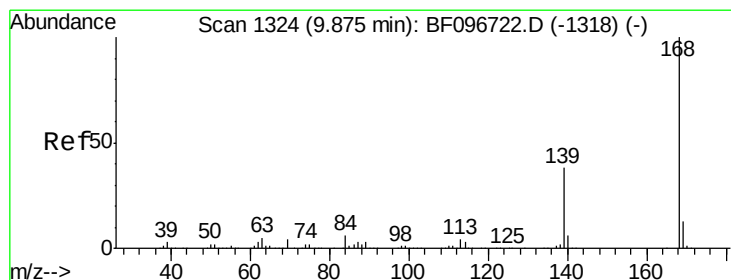
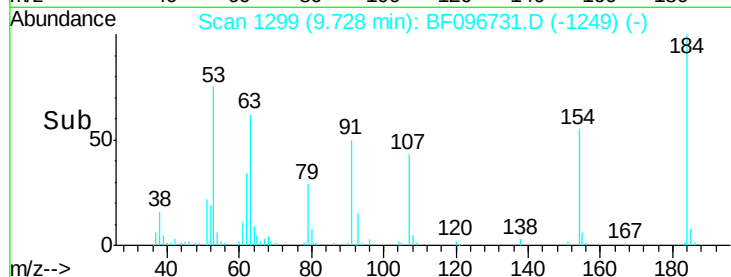
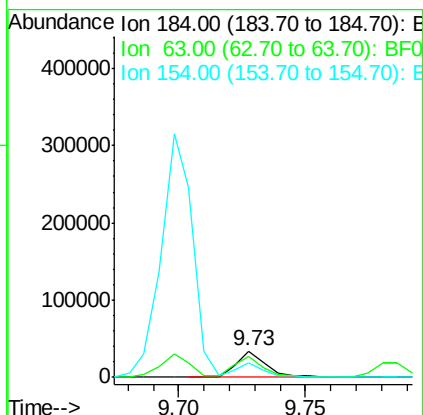
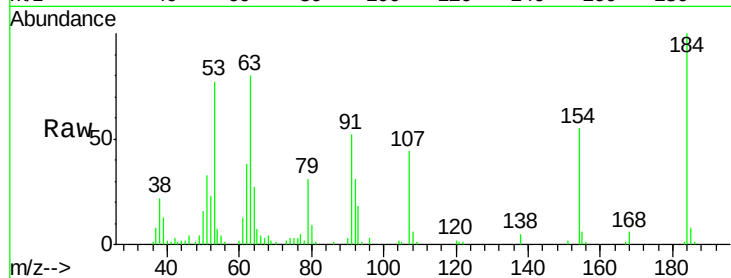




#53
2,4-Dinitrophenol
Concen: 20.825 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

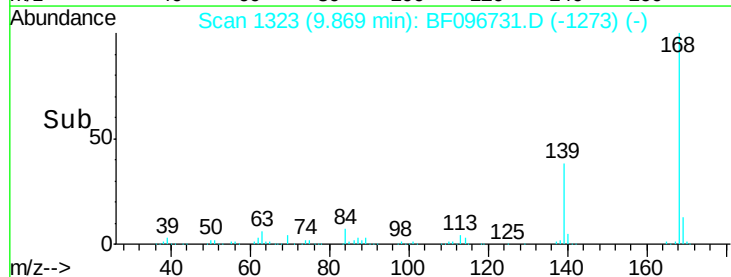
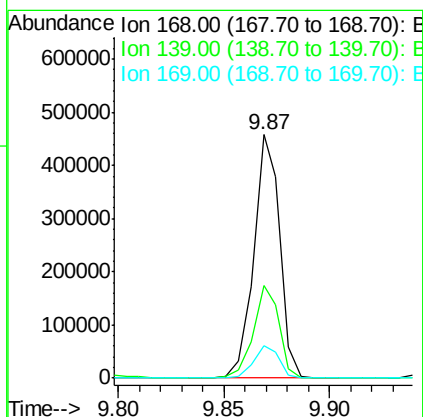
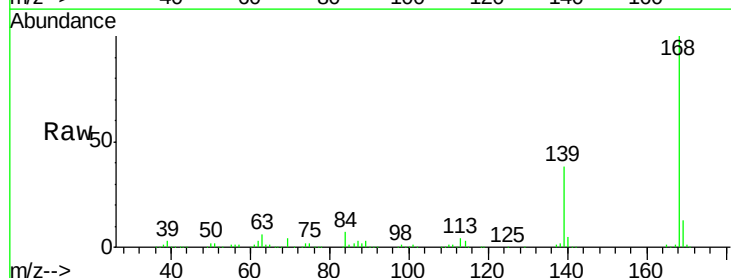
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

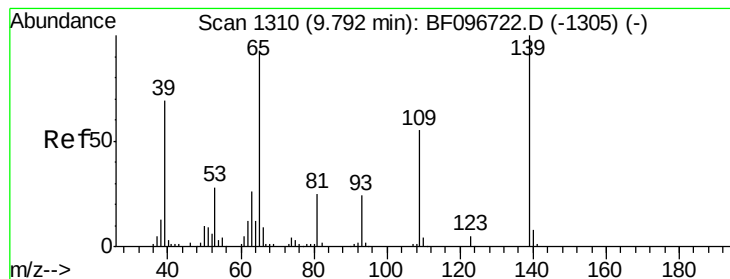
Tgt Ion:184 Resp: 27597
Ion Ratio Lower Upper
184 100
63 80.4 62.7 94.1
154 55.4 81.1 121.7#



#54
Dibenzofuran
Concen: 21.103 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:168 Resp: 390595
Ion Ratio Lower Upper
168 100
139 38.2 30.6 45.8
169 13.2 10.8 16.2





#55

4-Nitrophenol

Concen: 20.520 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

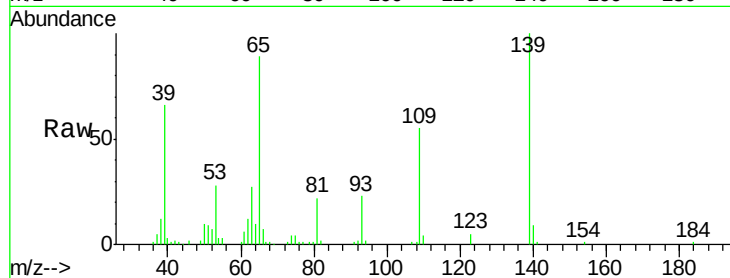
Tgt Ion:139 Resp: 64360

Ion Ratio Lower Upper

139 100

109 55.3 34.1 74.1

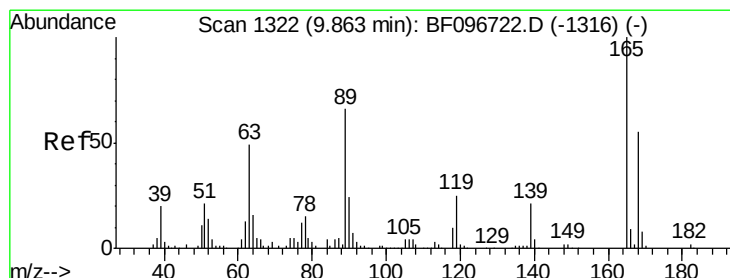
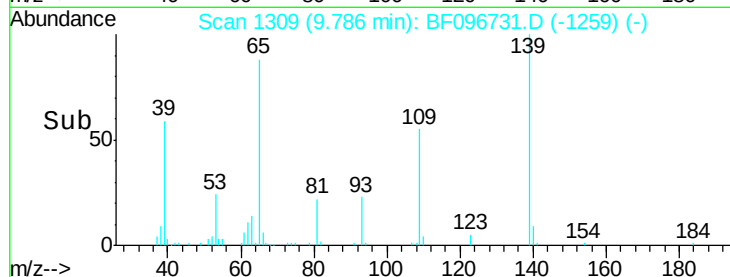
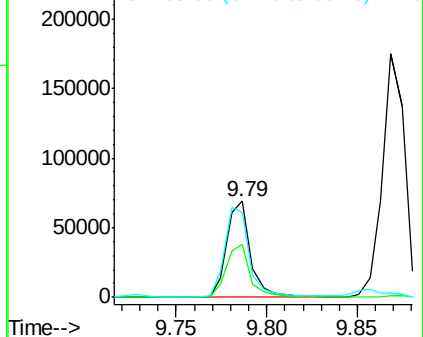
65 88.7 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 21.126 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Tgt Ion:165 Resp: 98380

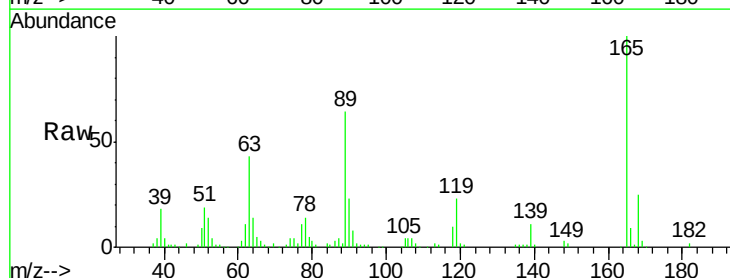
Ion Ratio Lower Upper

165 100

63 43.4 25.4 38.0#

89 64.4 46.4 69.6

182 2.1 1.8 2.6

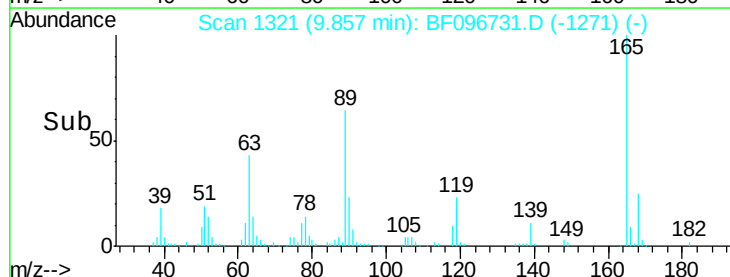
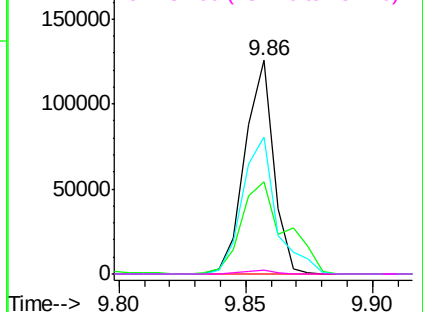


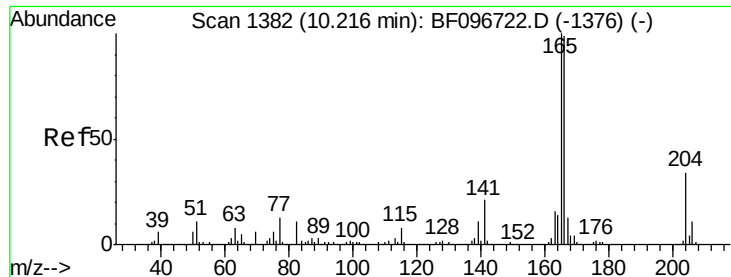
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 22.166 ng

RT: 10.21 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

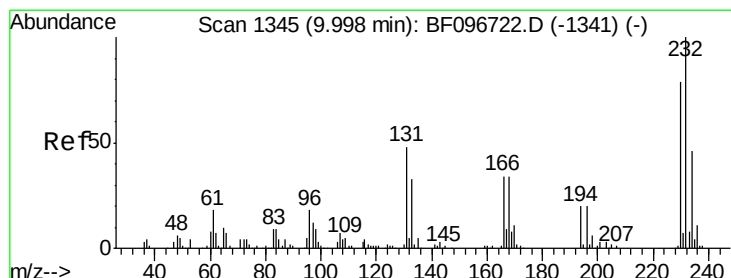
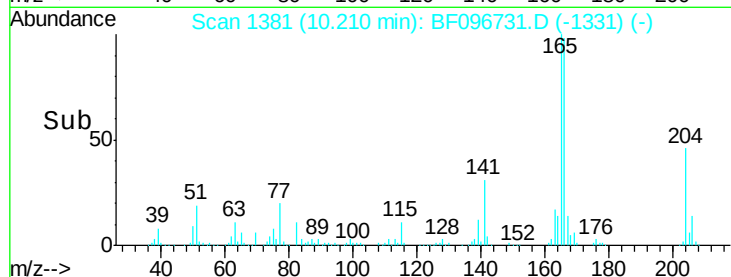
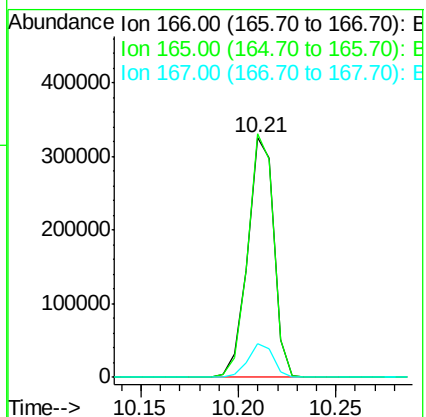
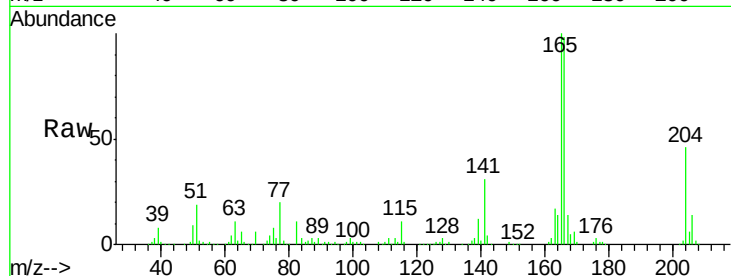
Tgt Ion:166 Resp: 303177

Ion Ratio Lower Upper

166 100

165 101.7 78.8 118.2

167 14.1 10.6 16.0



#58

2,3,4,6-Tetrachlorophenol

Concen: 20.897 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Tgt Ion:232 Resp: 64762

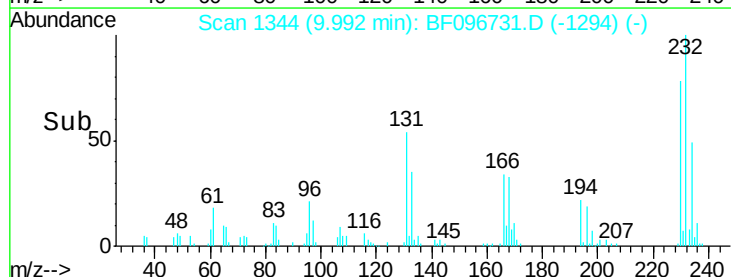
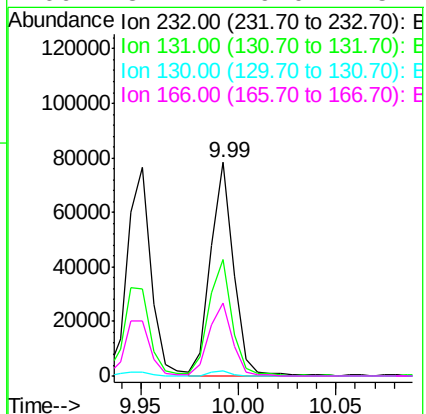
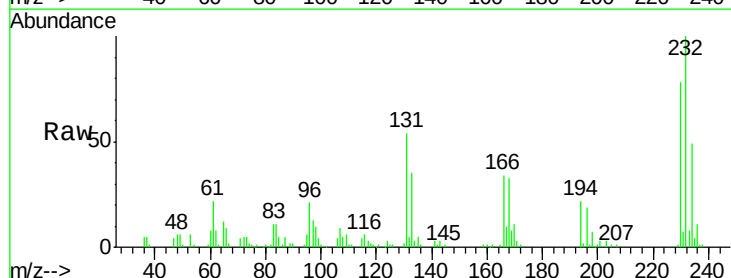
Ion Ratio Lower Upper

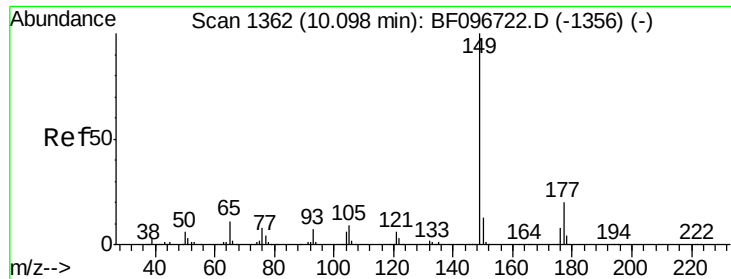
232 100

131 54.6 44.8 67.2

130 2.3 2.3 3.5#

166 34.4 29.0 43.4

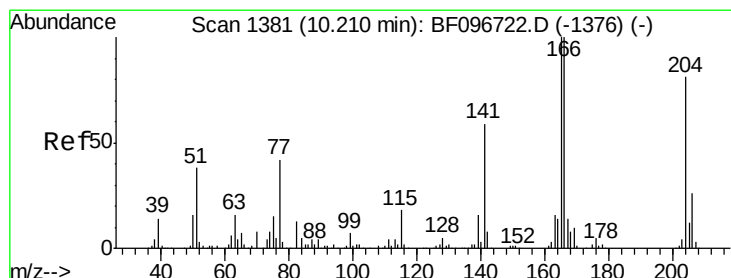
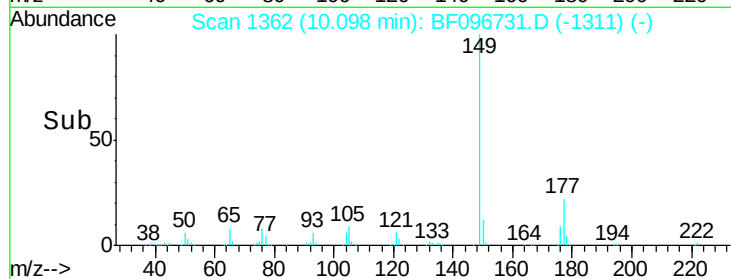
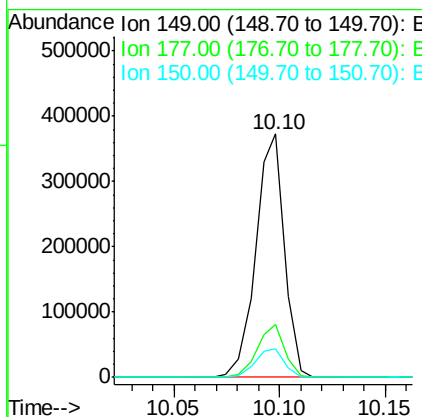
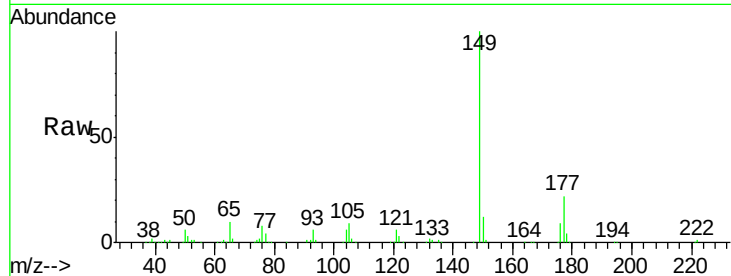




#59
Diethylphthalate
Concen: 21.490 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

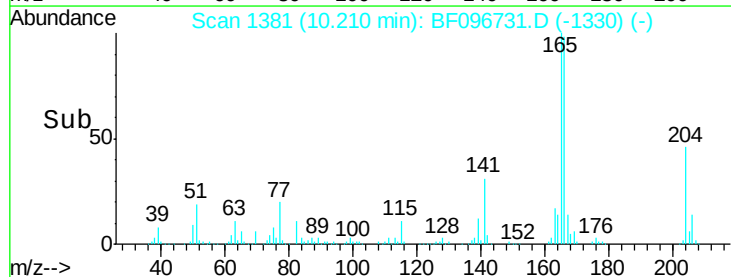
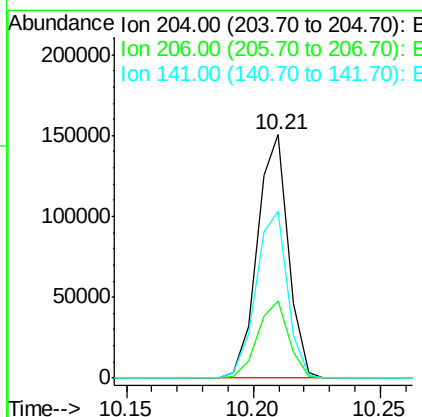
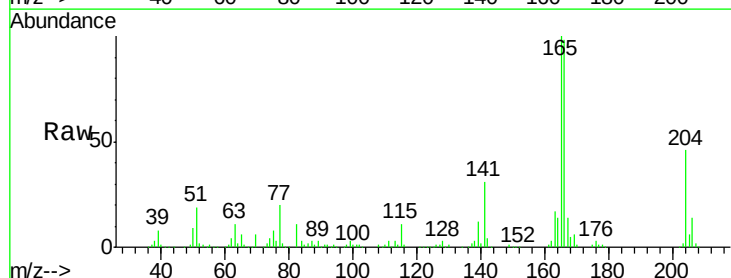
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

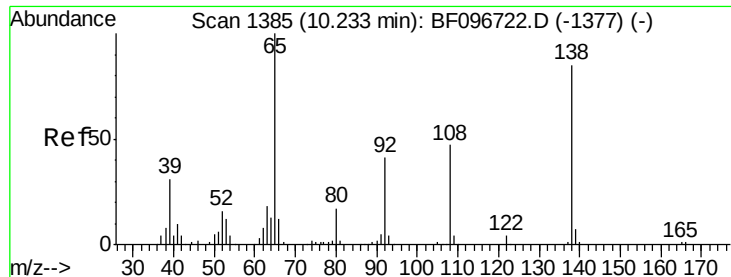
Tgt Ion:149 Resp: 350021
Ion Ratio Lower Upper
149 100
177 21.6 16.7 25.1
150 11.9 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 19.223 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:204 Resp: 127441
Ion Ratio Lower Upper
204 100
206 31.7 26.2 39.2
141 68.7 60.8 91.2

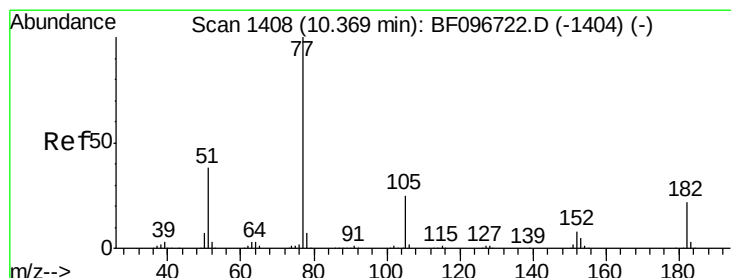
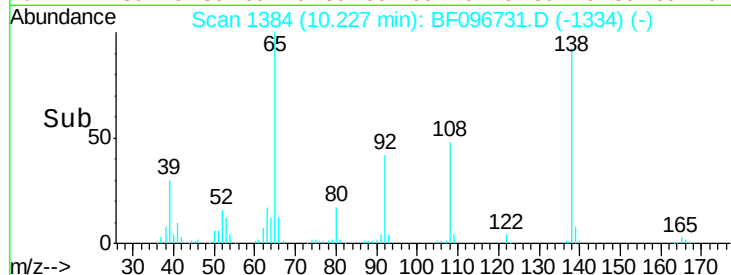
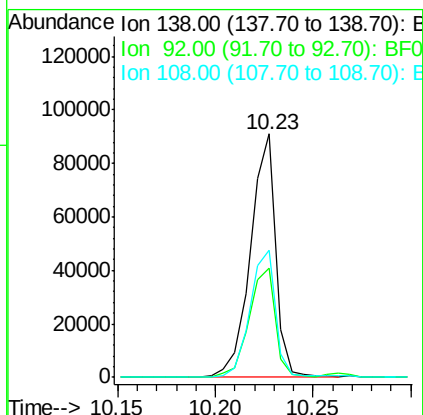
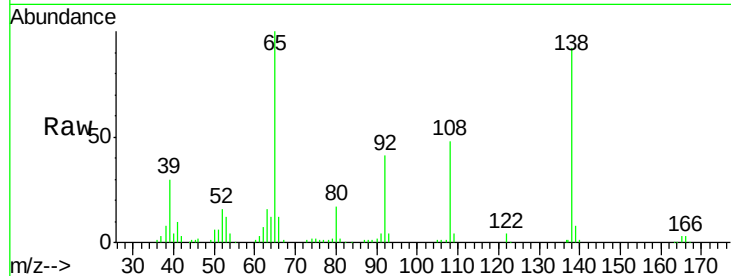




#61
4-Nitroaniline
Concen: 20.304 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

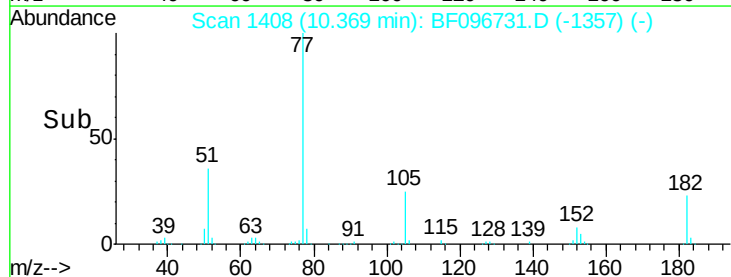
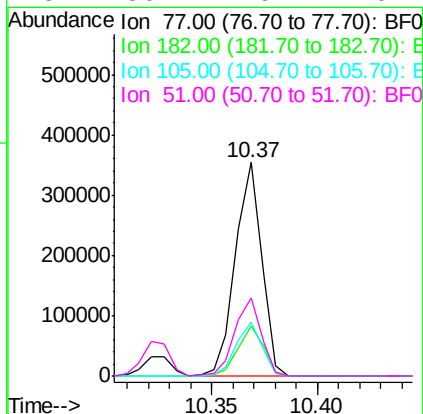
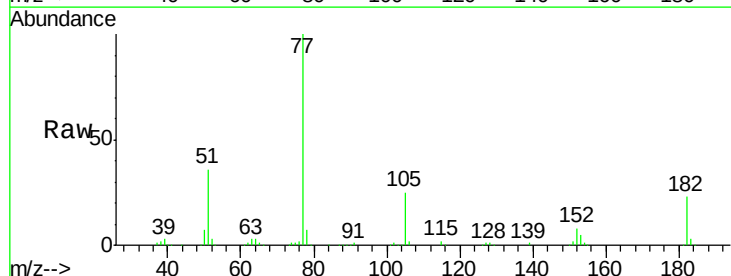
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

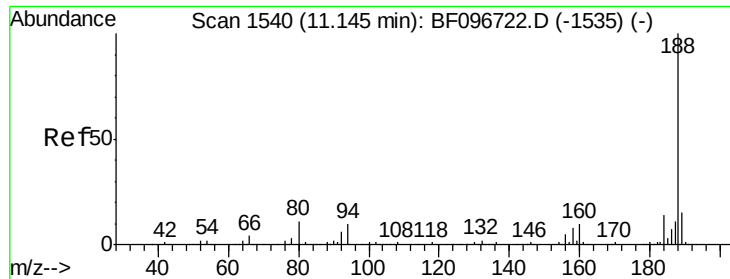
Tgt Ion: 138 Resp: 81856
Ion Ratio Lower Upper
138 100
92 44.7 21.8 61.8
108 52.0 42.3 82.3



#62
Azobenzene
Concen: 21.198 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion: 77 Resp: 304589
Ion Ratio Lower Upper
77 100
182 23.1 0.1 40.1
105 24.9 3.6 43.6
51 36.4 9.4 49.4

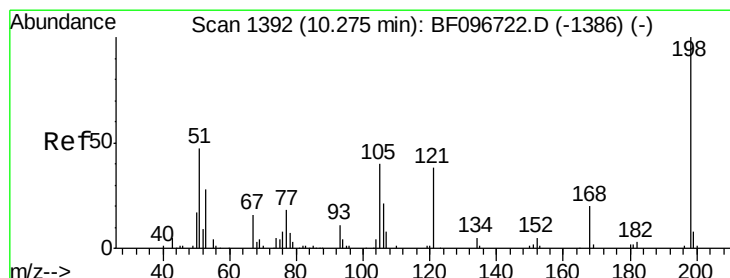
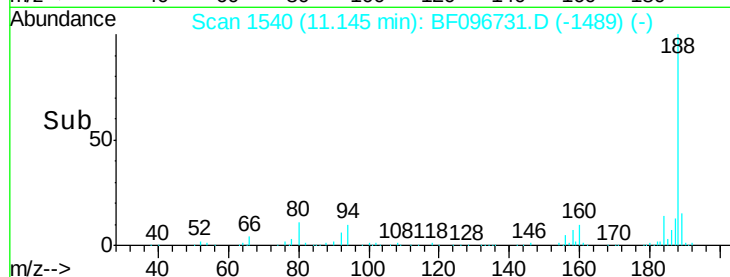
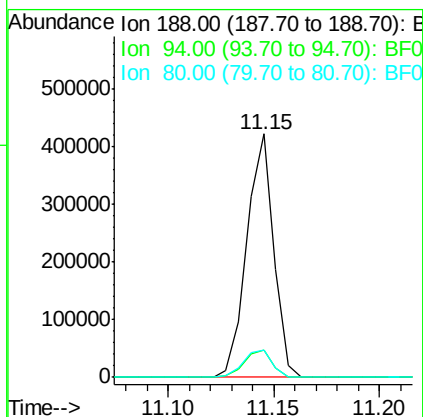
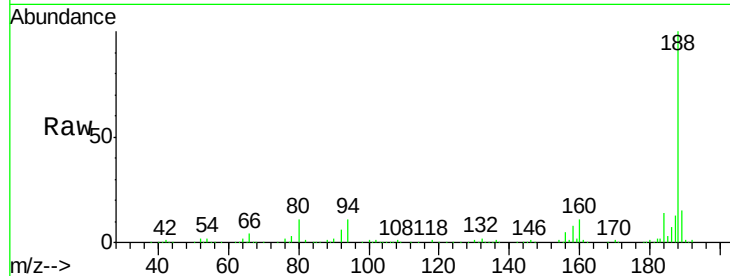




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1540
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

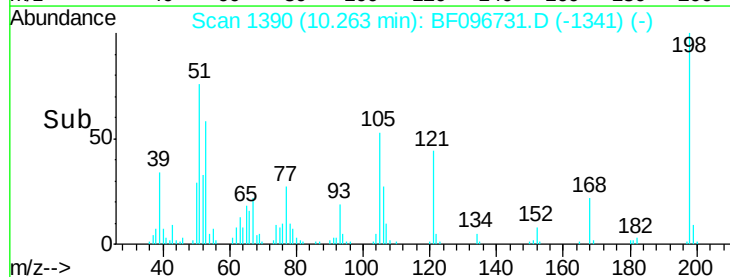
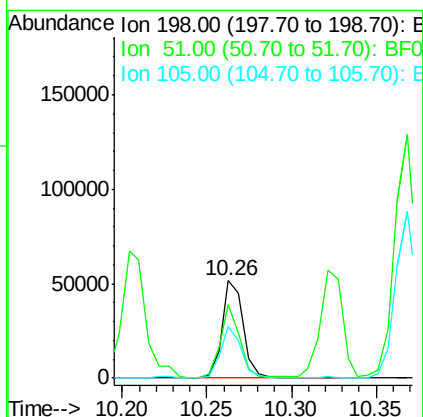
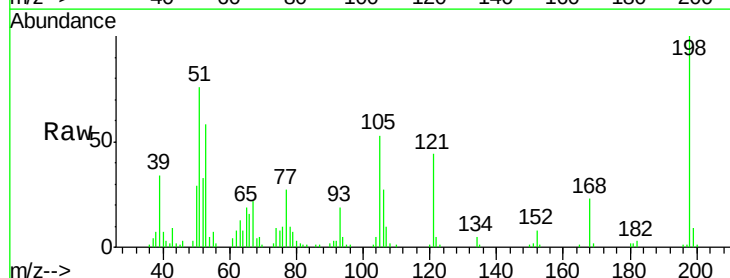
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

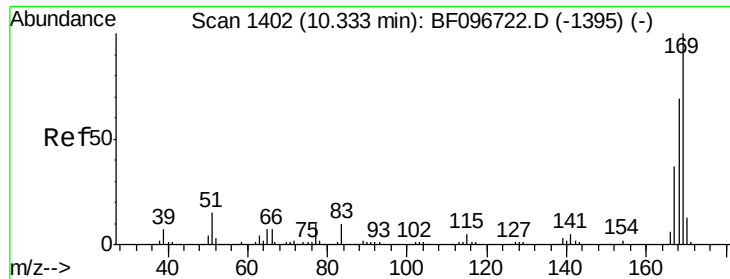
Tgt Ion:188 Resp: 371933
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.4 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 19.220 ng
RT: 10.26 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:198 Resp: 44883
Ion Ratio Lower Upper
198 100
51 75.7 53.2 93.2
105 53.5 45.8 85.8

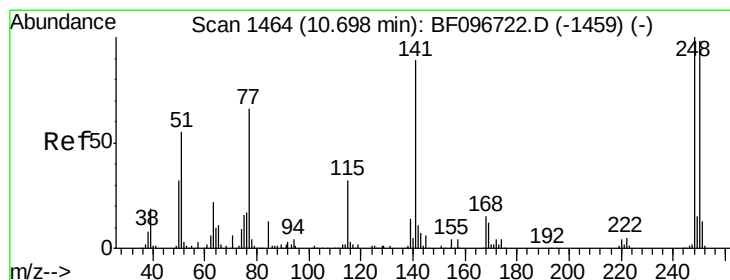
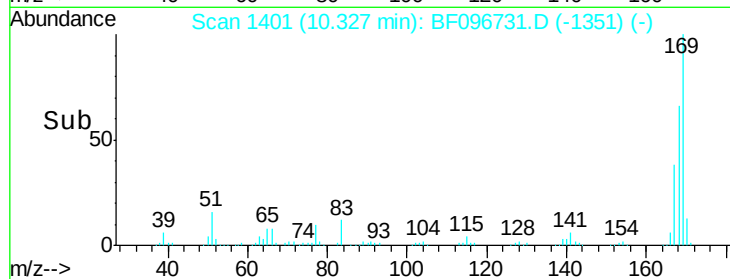
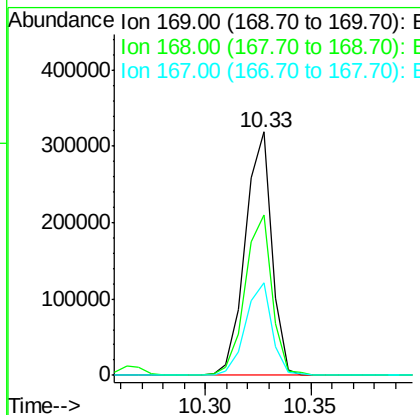
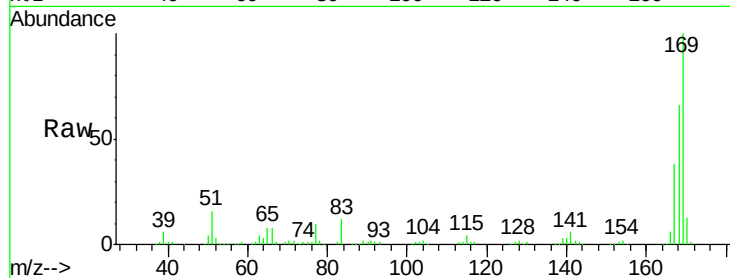




#65
 n-Nitrosodiphenylamine
 Concen: 20.923 ng
 RT: 10.33 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

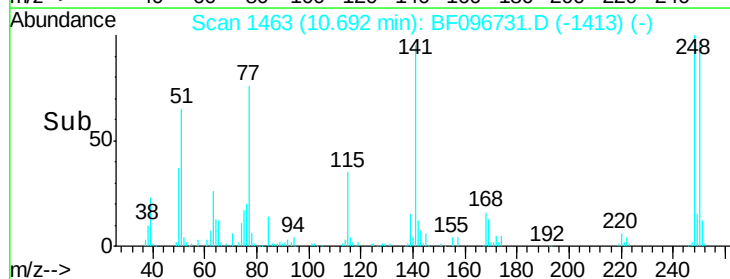
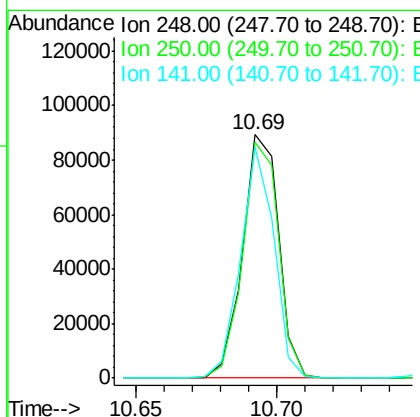
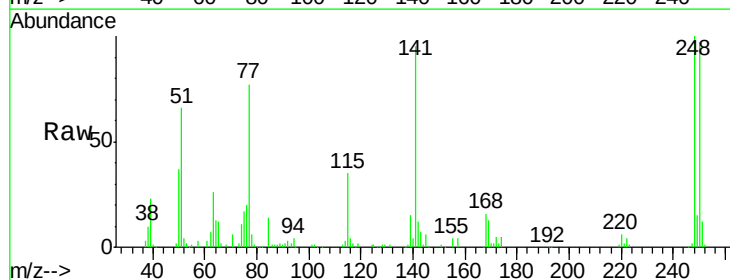
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

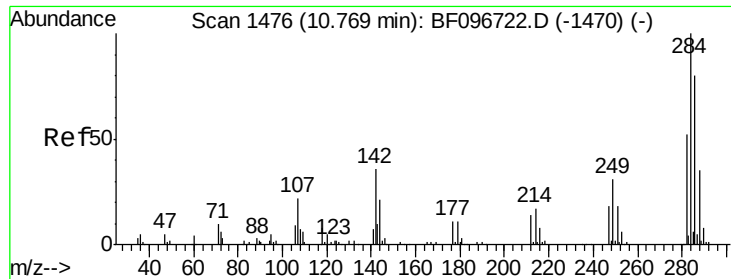
Tgt Ion:169 Resp: 278169
 Ion Ratio Lower Upper
 169 100
 168 65.9 53.2 79.8
 167 38.0 29.5 44.3



#66
 4-Bromophenyl-phenylether
 Concen: 20.816 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:248 Resp: 79046
 Ion Ratio Lower Upper
 248 100
 250 96.8 76.8 115.2
 141 94.7 68.6 103.0





#67

Hexachlorobenzene

Concen: 20.777 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

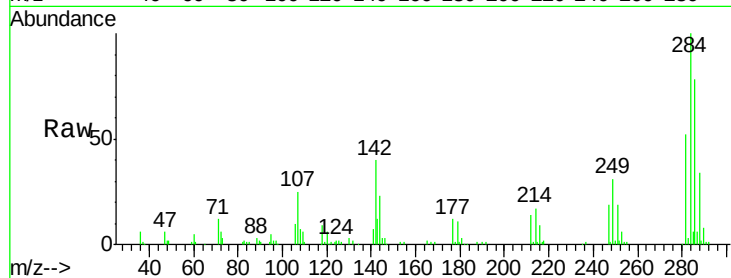
Tgt Ion:284 Resp: 87871

Ion Ratio Lower Upper

284 100

142 40.4 22.8 34.2#

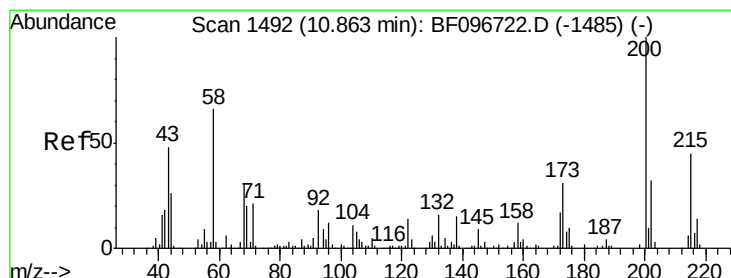
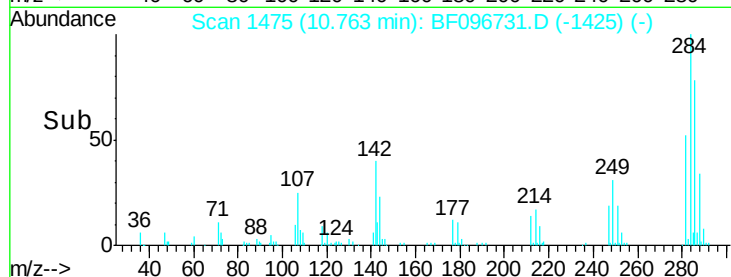
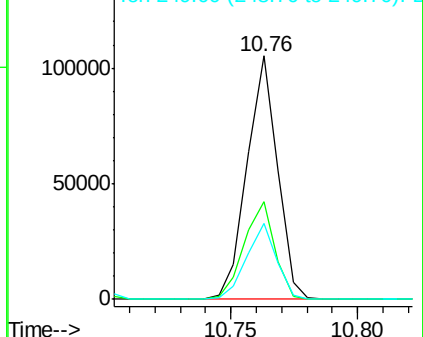
249 31.4 24.0 36.0



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



#68

Atrazine

Concen: 20.809 ng

RT: 10.86 min Scan# 1491

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

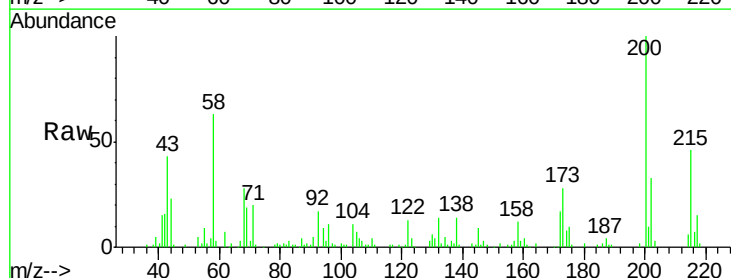
Tgt Ion:200 Resp: 78819

Ion Ratio Lower Upper

200 100

173 28.4 6.3 46.3

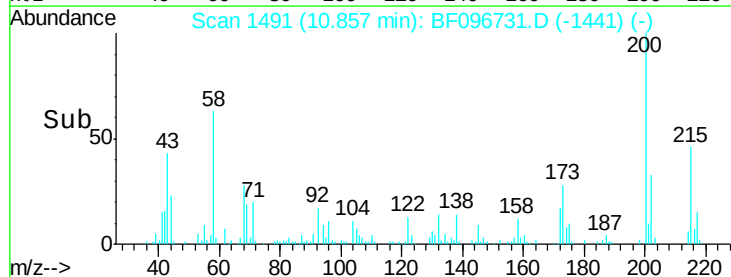
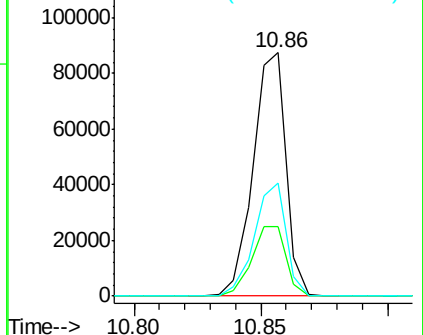
215 46.4 27.2 67.2

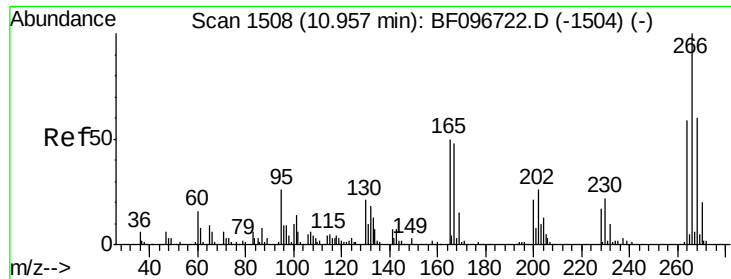


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

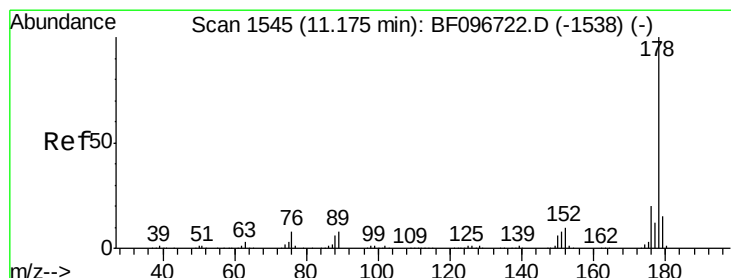
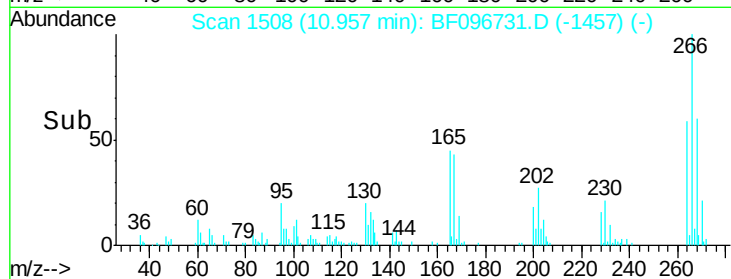
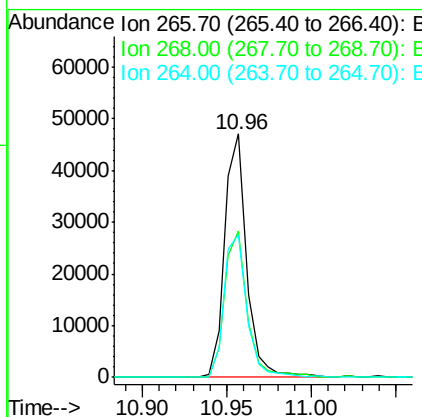
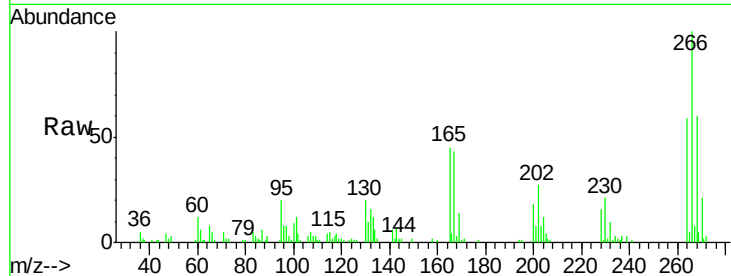




#69
 Pentachlorophenol
 Concen: 20.924 ng
 RT: 10.96 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

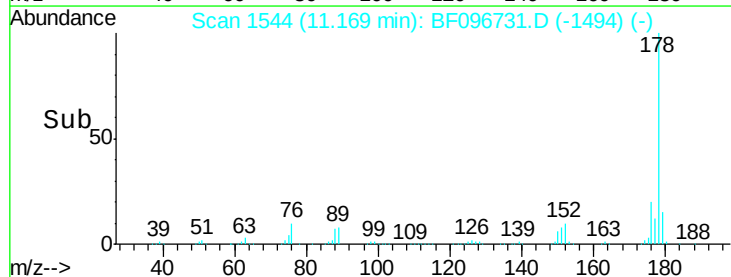
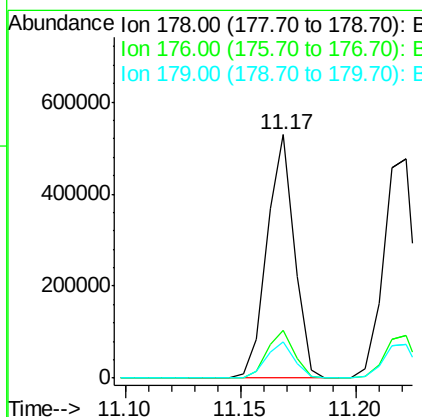
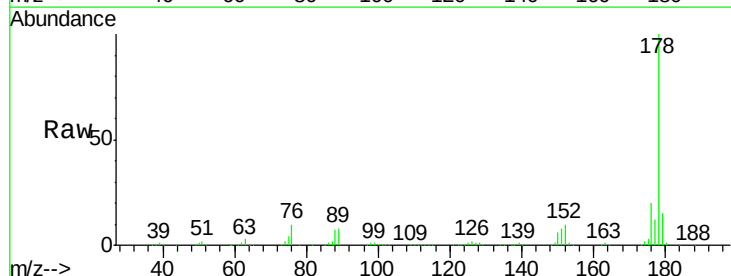
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

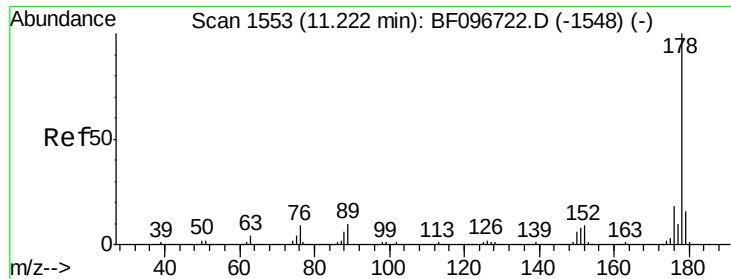
Tgt Ion: 266 Resp: 42750
 Ion Ratio Lower Upper
 266 100
 268 60.2 51.1 76.7
 264 58.7 51.7 77.5



#70
 Phenanthrene
 Concen: 21.494 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion: 178 Resp: 434679
 Ion Ratio Lower Upper
 178 100
 176 19.9 16.2 24.4
 179 15.0 12.6 19.0

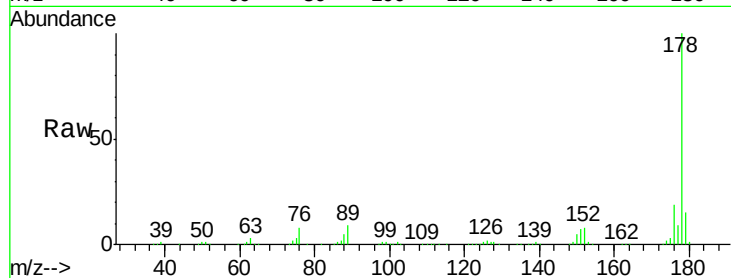




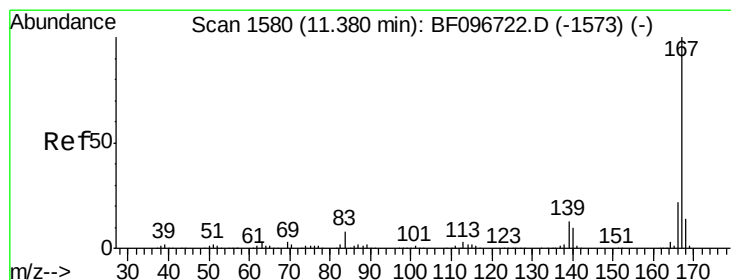
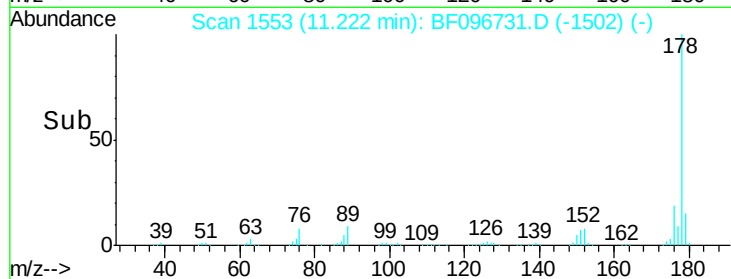
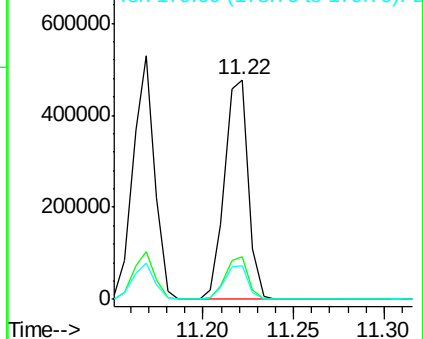
#71
 Anthracene
 Concen: 21.428 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion:178 Resp: 438144
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.1 12.7 19.1

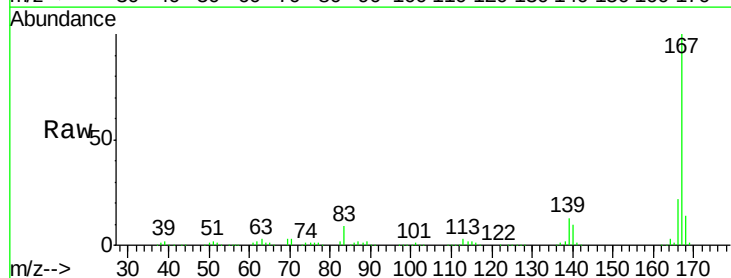


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

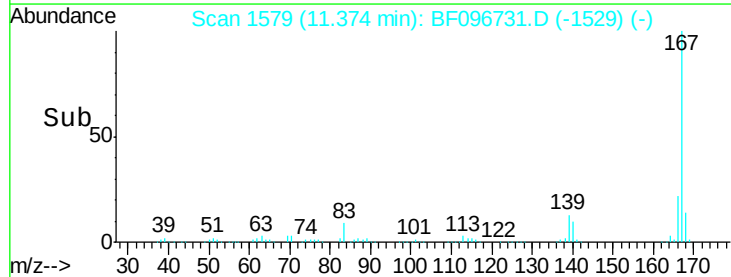
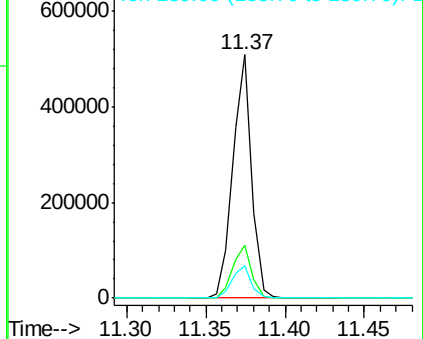


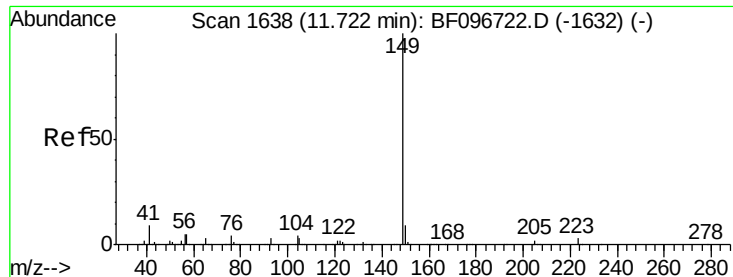
#72
 Carbazole
 Concen: 21.012 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:167 Resp: 416050
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.1 27.1
 139 13.2 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 19.596 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

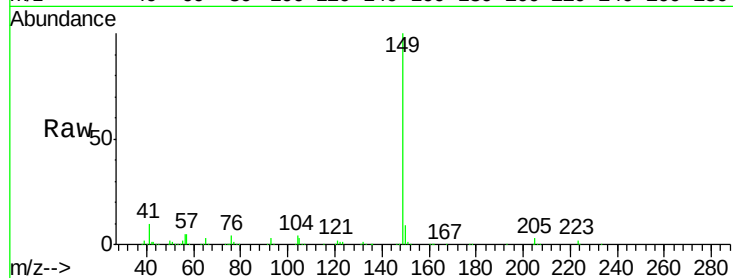
Tgt Ion:149 Resp: 483226

Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

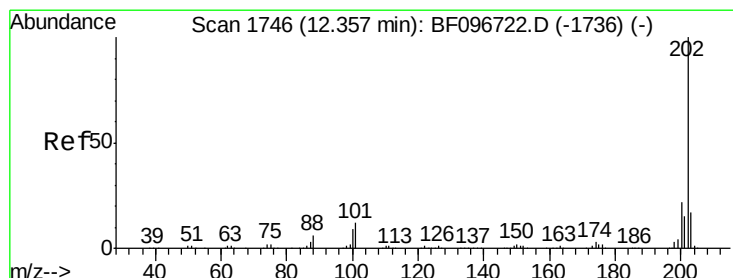
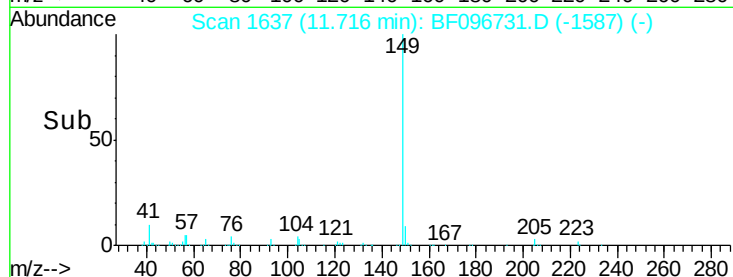
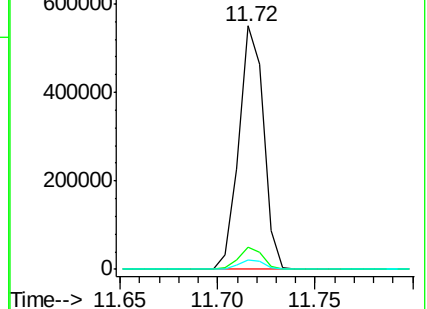
104 4.1 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 21.249 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

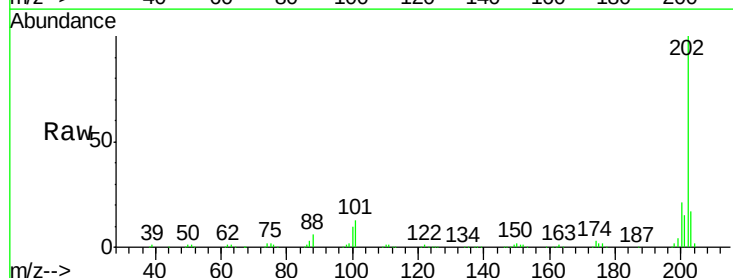
Tgt Ion:202 Resp: 411320

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

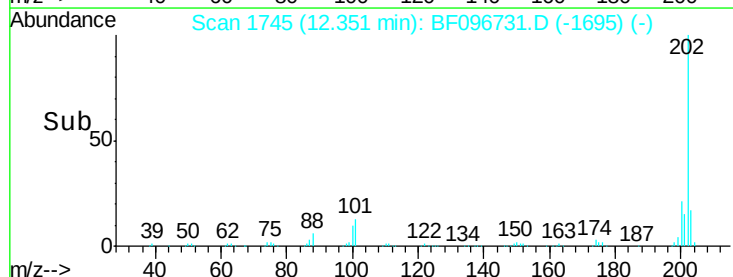
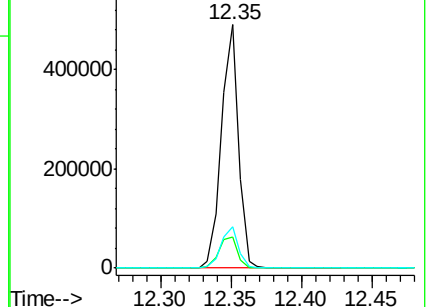
203 16.9 0.0 38.1

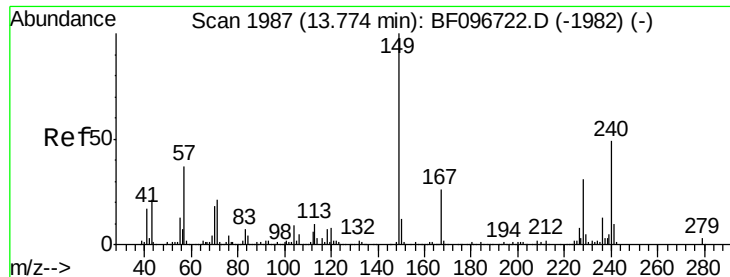


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

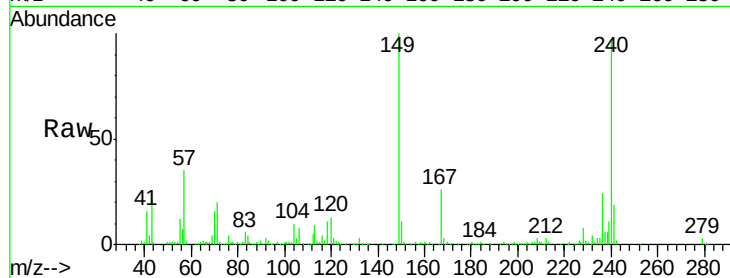
Tgt Ion:240 Resp: 228436

Ion Ratio Lower Upper

240 100

120 12.9 5.8 8.8#

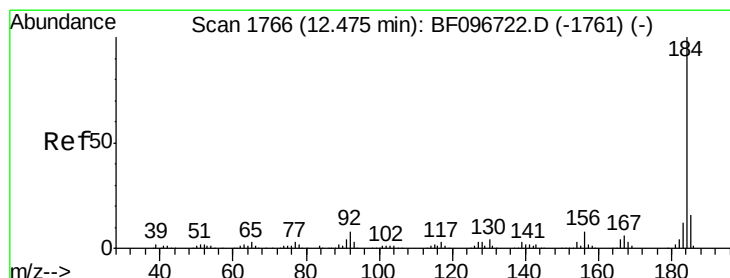
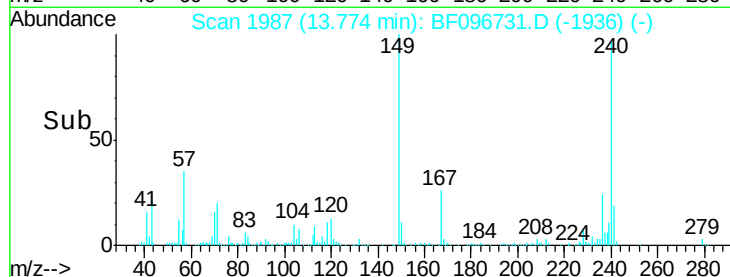
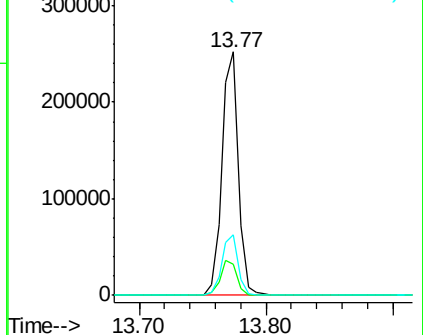
236 25.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 16.492 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

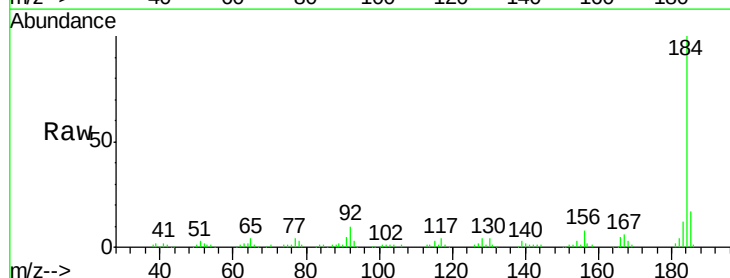
Tgt Ion:184 Resp: 123420

Ion Ratio Lower Upper

184 100

185 17.4 15.5 23.3

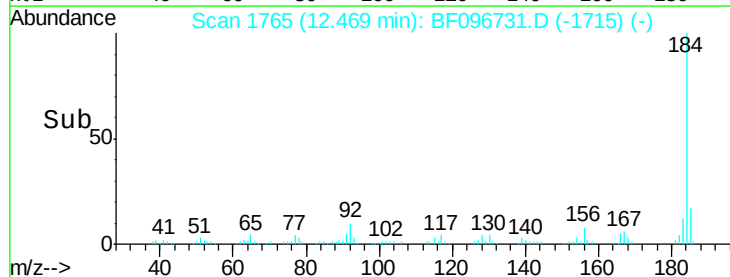
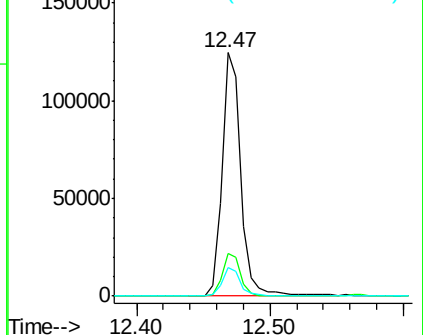
183 11.8 9.8 14.6

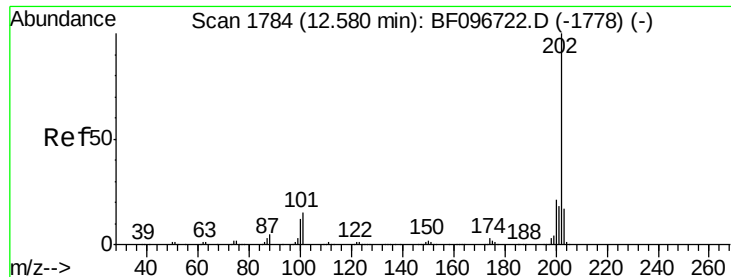


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 20.197 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

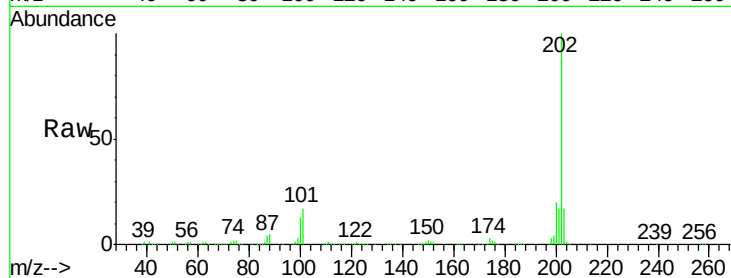
Tgt Ion:202 Resp: 418720

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

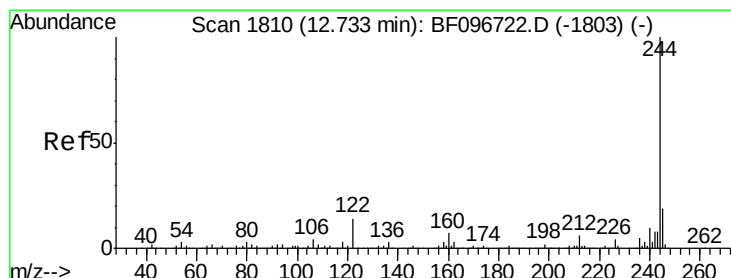
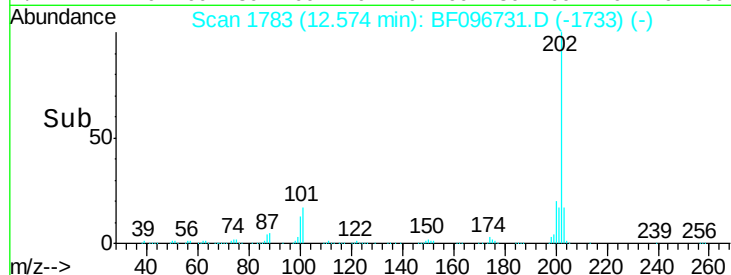
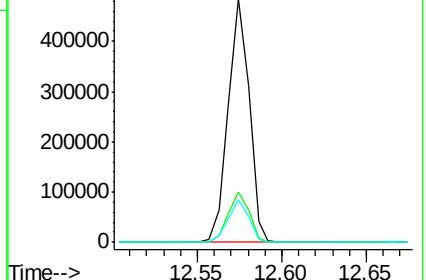
203 17.5 14.4 21.6



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



#78

Terphenyl-d14

Concen: 70.438 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

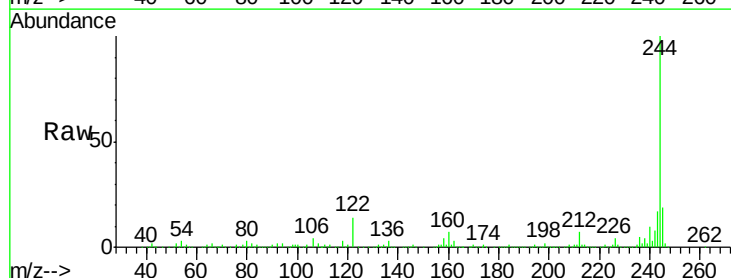
Tgt Ion:244 Resp: 927811

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

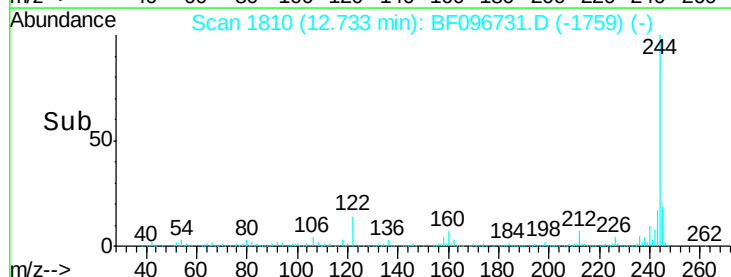
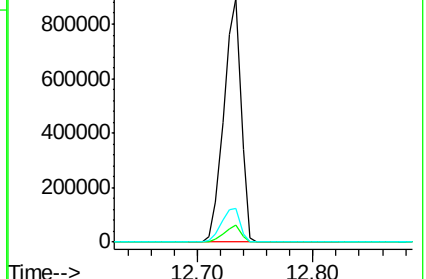
122 13.9 10.3 15.5

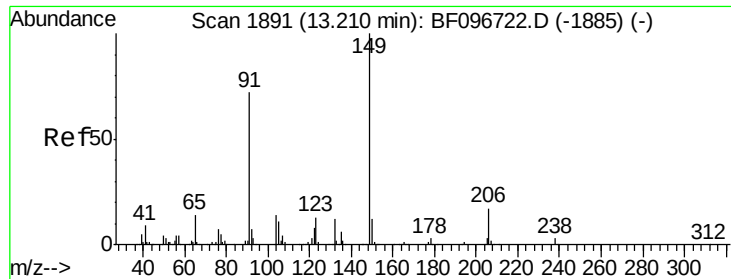


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

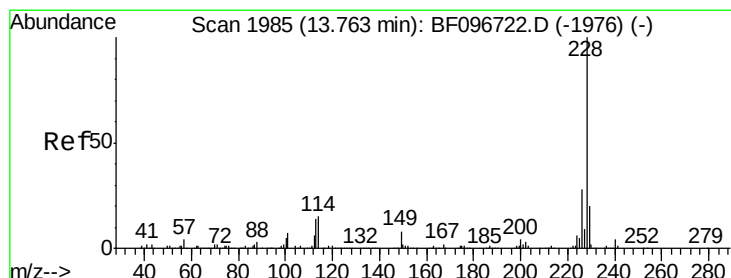
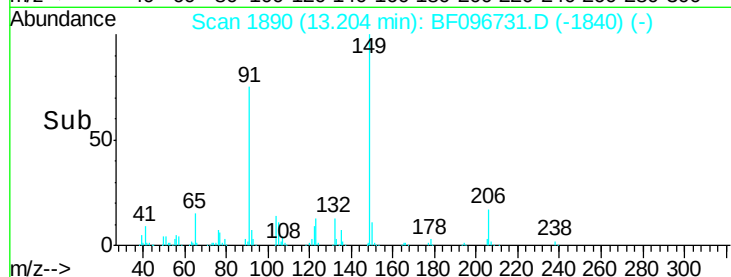
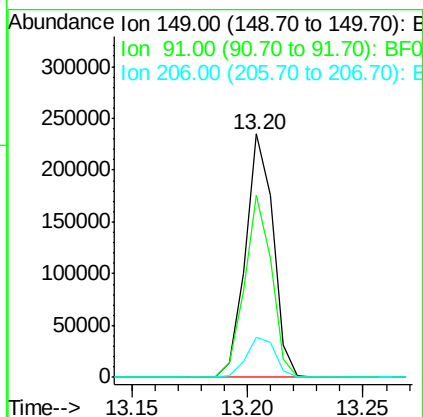
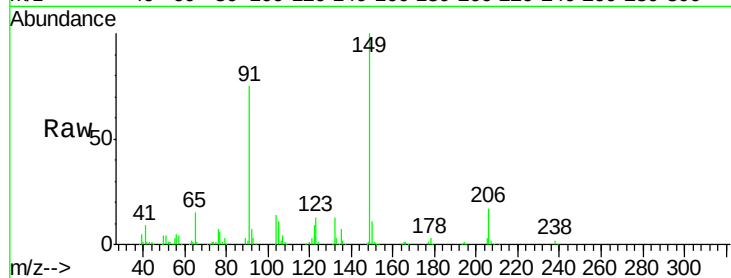




#79
Butylbenzylphthalate
Concen: 40.133 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

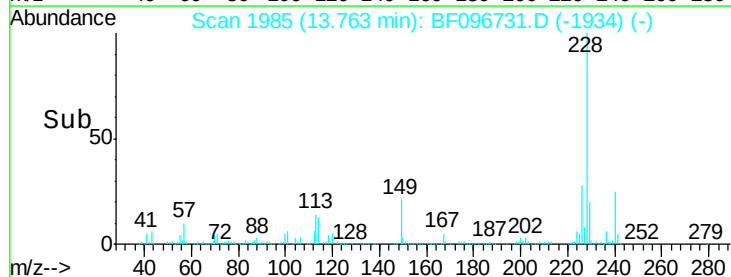
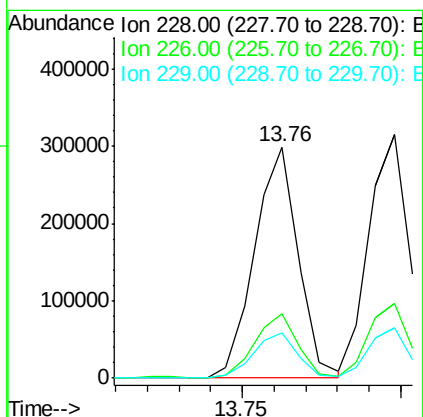
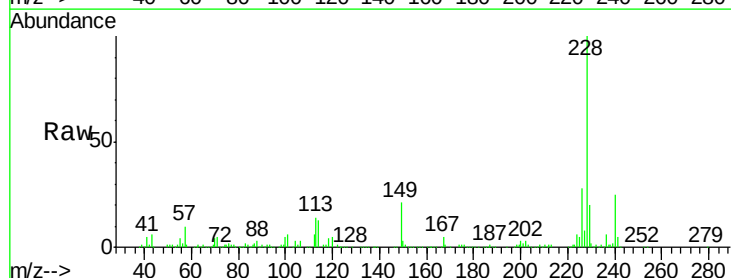
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT3-2017

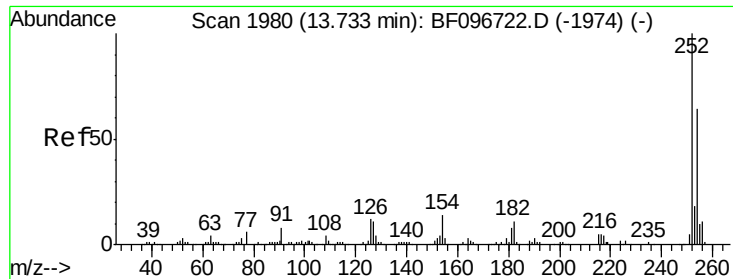
Tgt Ion:149 Resp: 197664
Ion Ratio Lower Upper
149 100
91 74.9 45.0 67.4#
206 16.6 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 20.047 ng
RT: 13.76 min Scan# 1985
Delta R.T. -0.00 min
Lab File: BF096731.D
Acq: 13 Jul 2017 16:51

Tgt Ion:228 Resp: 285330
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 19.7 16.3 24.5

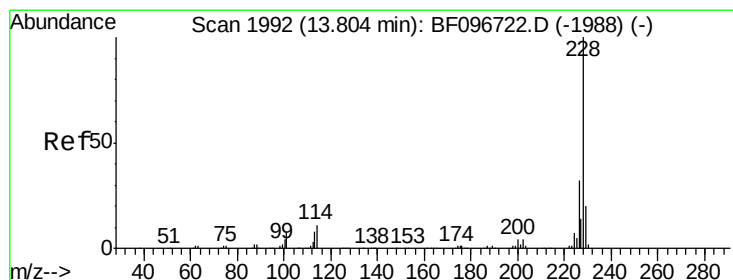
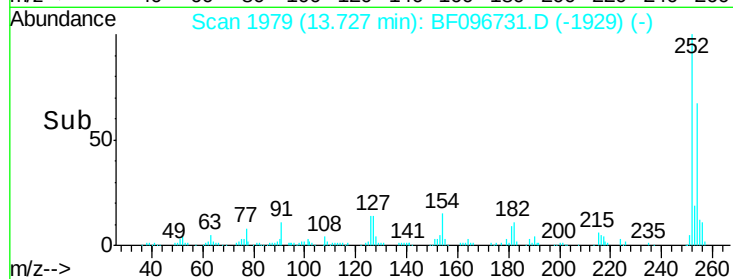
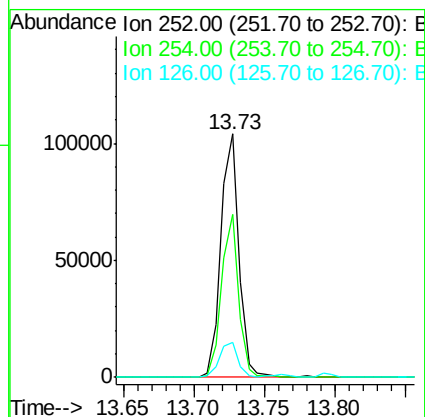
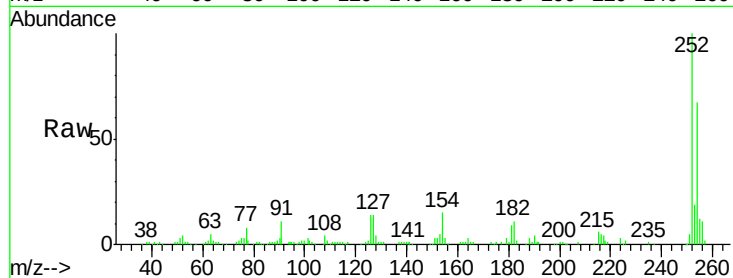




#81
 3,3'-Dichlorobenzidine
 Concen: 18.187 ng
 RT: 13.73 min Scan# 1979
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

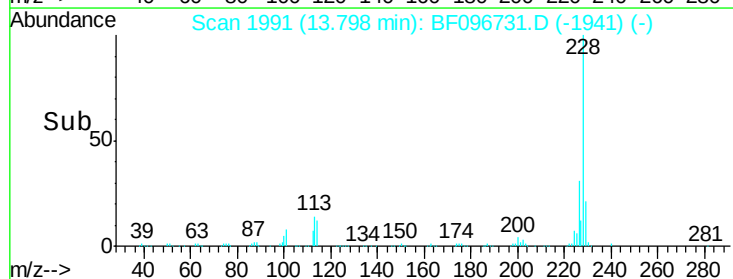
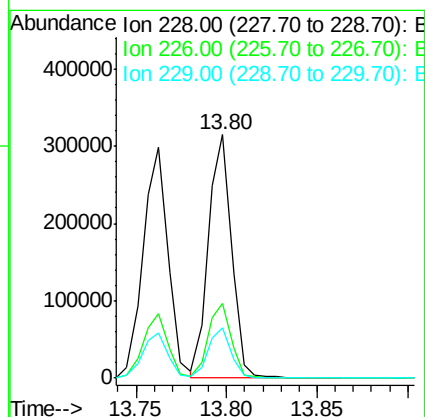
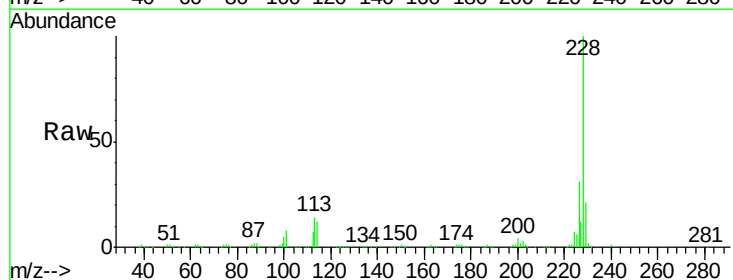
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

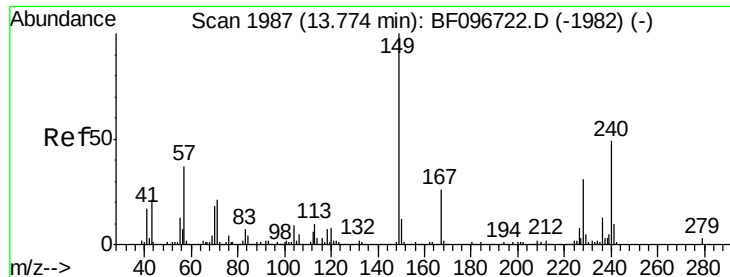
Tgt Ion	Ratio	Lower	Upper
252	100		
254	67.0	51.5	77.3
126	14.2	15.8	23.8#



#82
 Chrysene
 Concen: 19.882 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	20.5	15.8	23.6

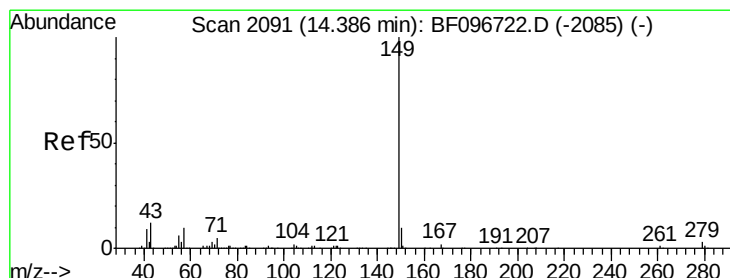
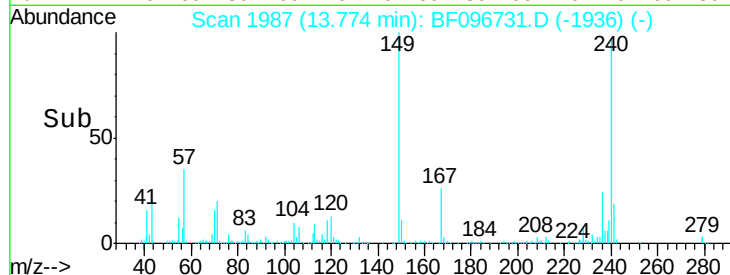
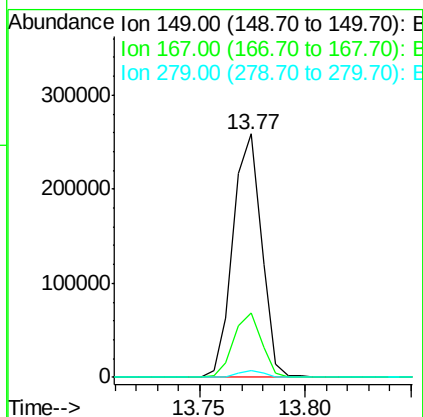
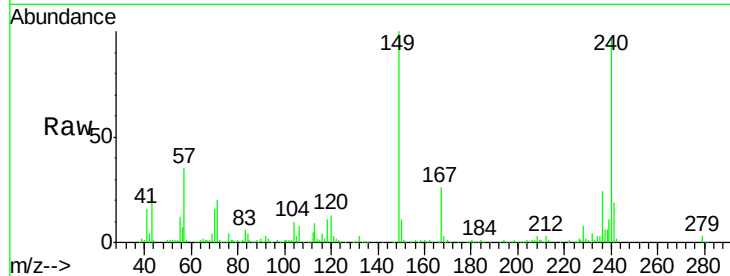




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.107 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

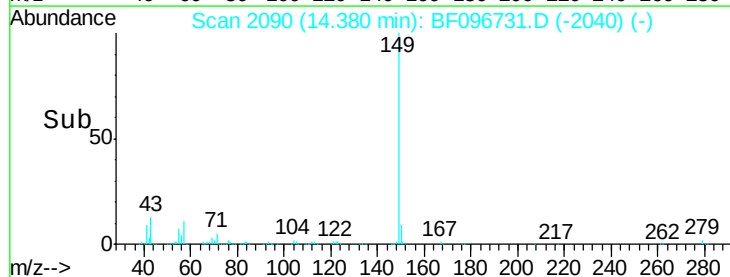
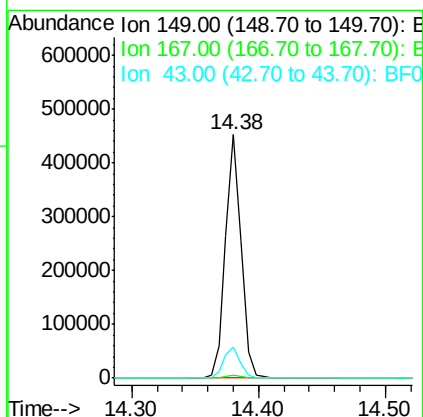
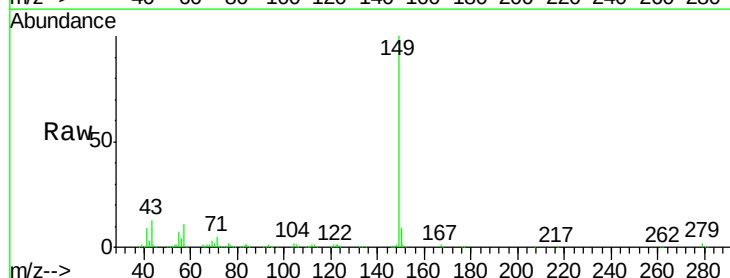
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

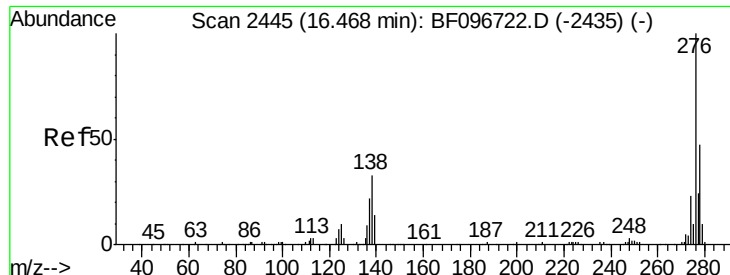
Tgt Ion:149 Resp: 241197
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.0 31.4
 279 3.0 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 19.535 ng
 RT: 14.38 min Scan# 2090
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion:149 Resp: 387360
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.2 1.8
 43 13.3 8.5 12.7#

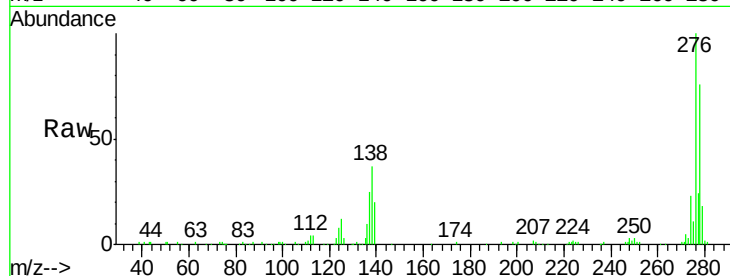




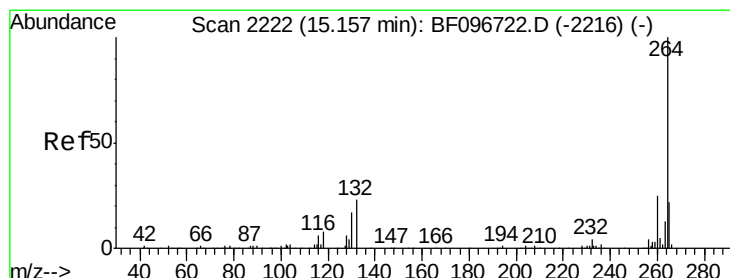
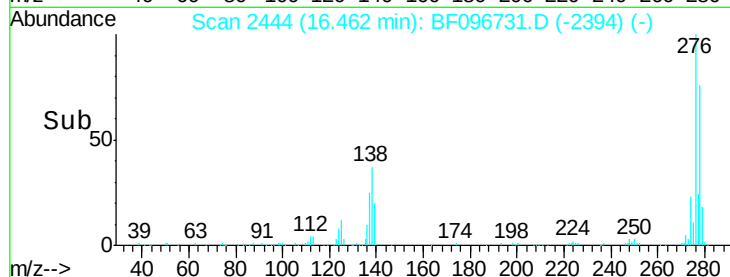
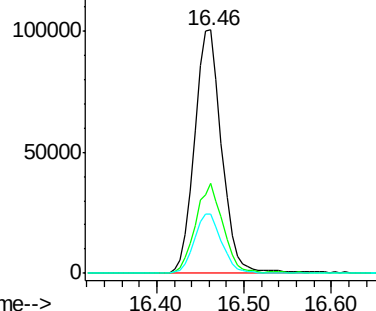
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 18.916 ng
 RT: 16.46 min Scan# 2444
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT3-2017

Tgt Ion	Ratio	Lower	Upper
276	100		
138	36.8	27.8	41.6
277	24.5	20.2	30.4

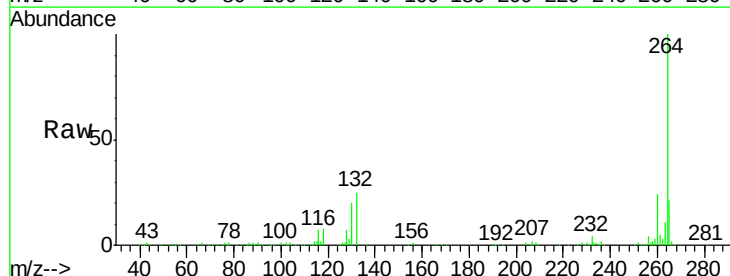


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

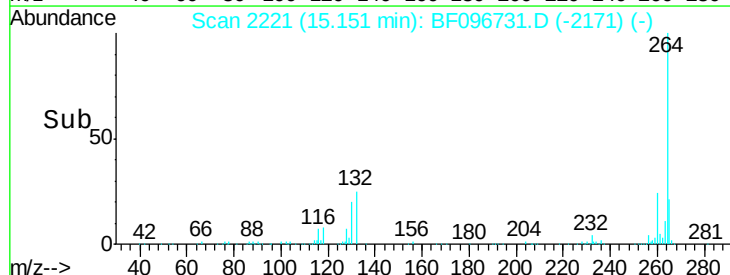
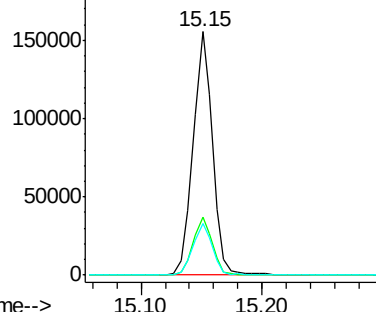


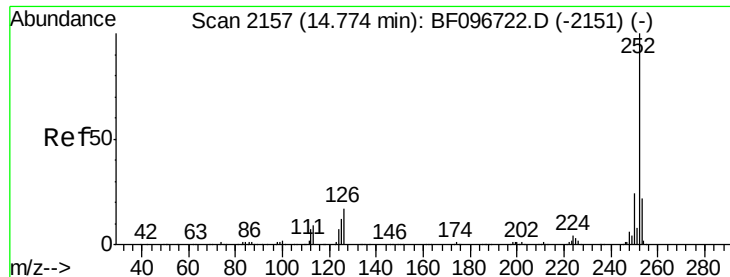
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.15 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF096731.D
 Acq: 13 Jul 2017 16:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.0	17.2	25.8



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

Benzo(b)fluoranthene

Concen: 21.463 ng

RT: 14.77 min Scan# 2156

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

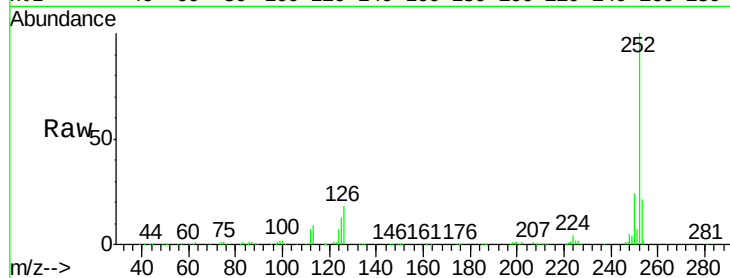
Tgt Ion:252 Resp: 223017

Ion Ratio Lower Upper

252 100

253 20.9 18.1 27.1

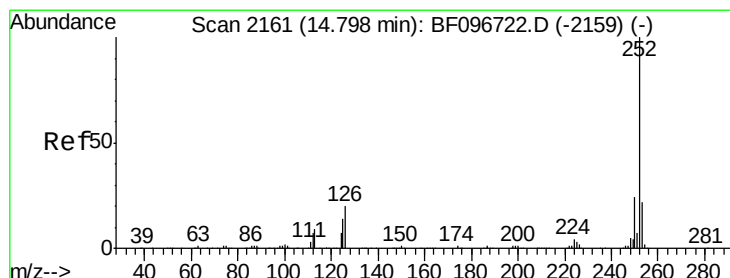
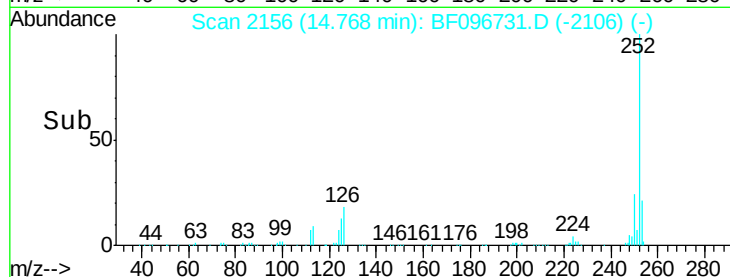
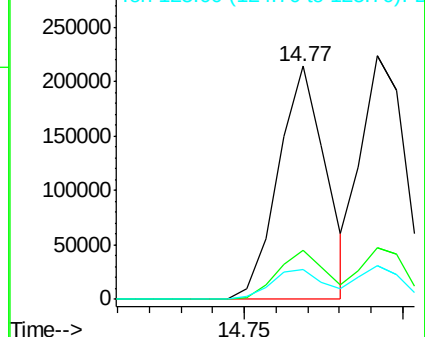
125 13.0 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 22.238 ng

RT: 14.79 min Scan# 2160

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

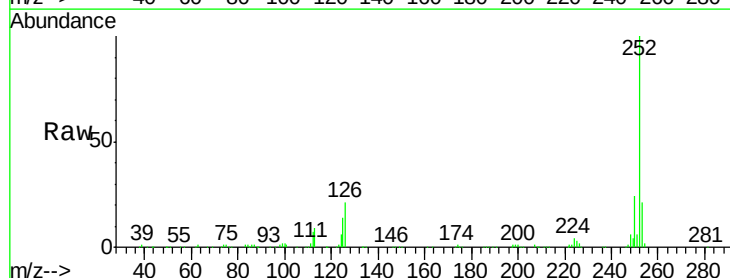
Tgt Ion:252 Resp: 218808

Ion Ratio Lower Upper

252 100

253 21.3 18.4 27.6

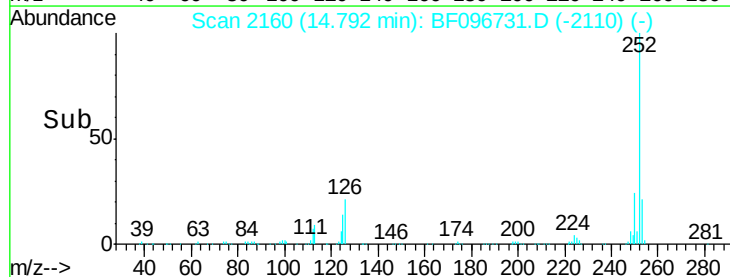
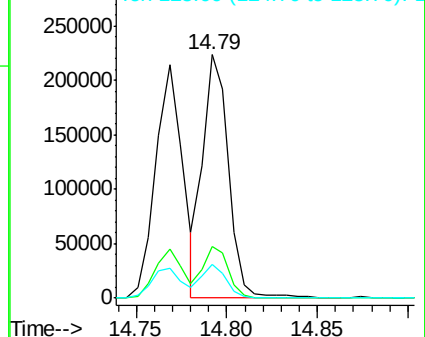
125 14.1 13.1 19.7

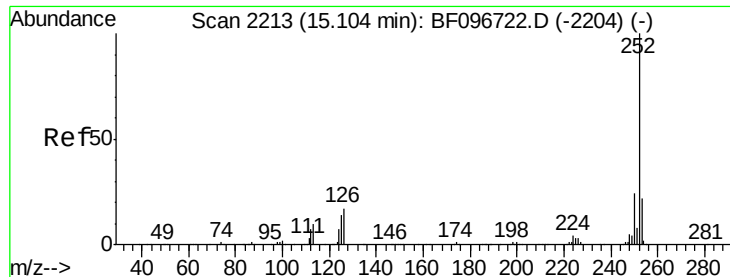


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 21.421 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017

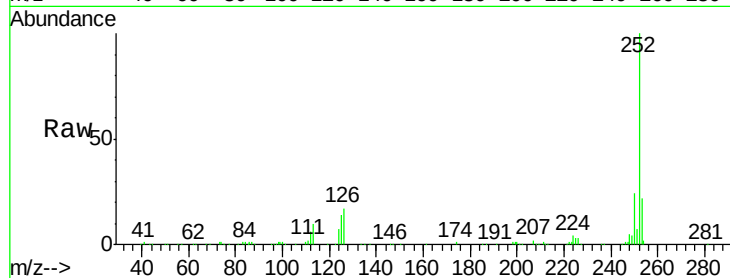
Tgt Ion:252 Resp: 204149

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

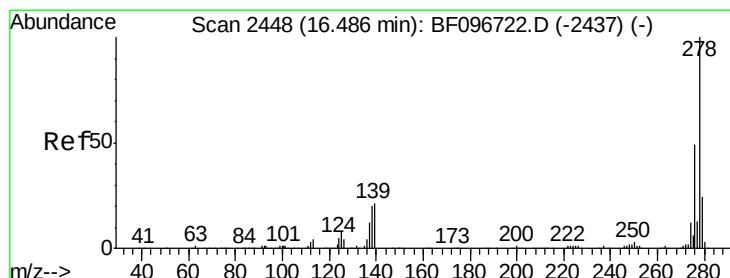
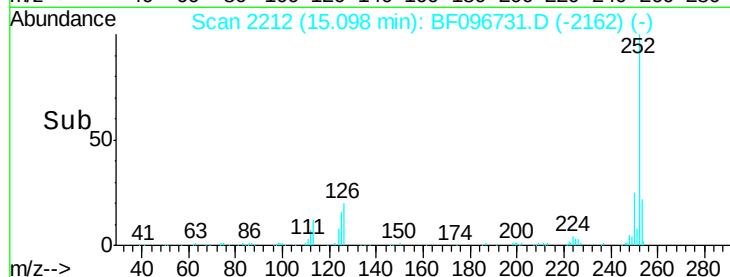
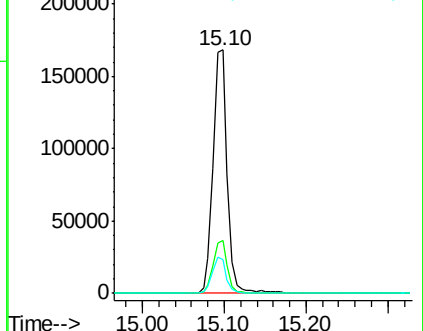
125 13.6 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 19.985 ng

RT: 16.47 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BF096731.D

Acq: 13 Jul 2017 16:51

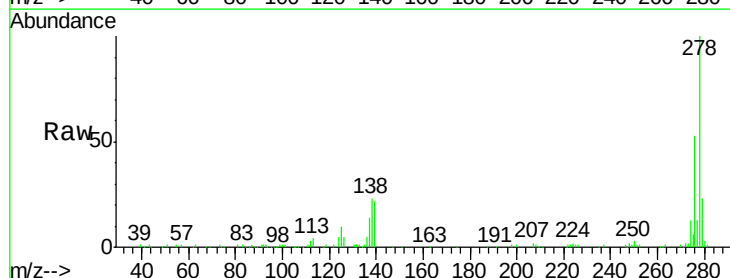
Tgt Ion:278 Resp: 175252

Ion Ratio Lower Upper

278 100

139 22.4 16.6 24.8

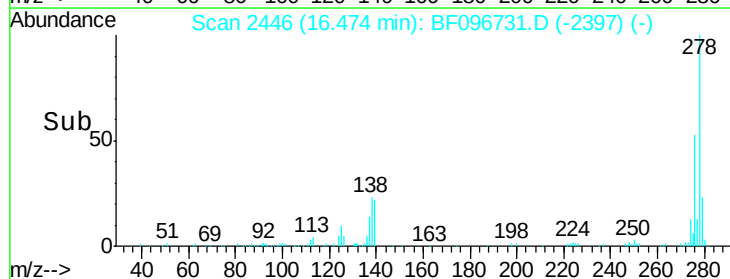
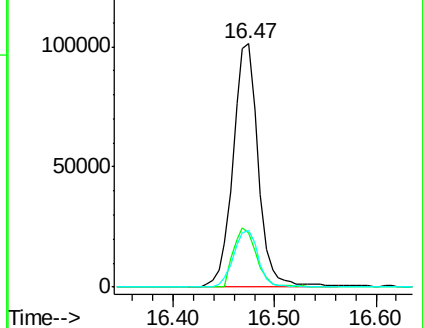
279 23.2 19.3 28.9

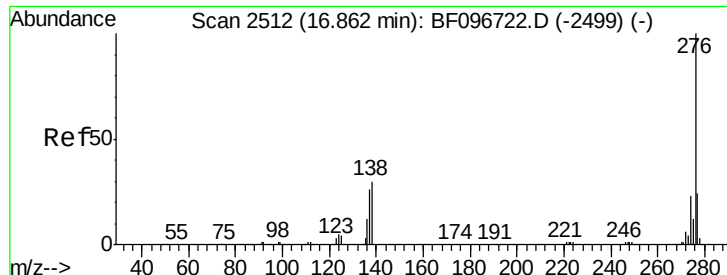


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 19.682 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.02 min

Lab File: BF096731.D

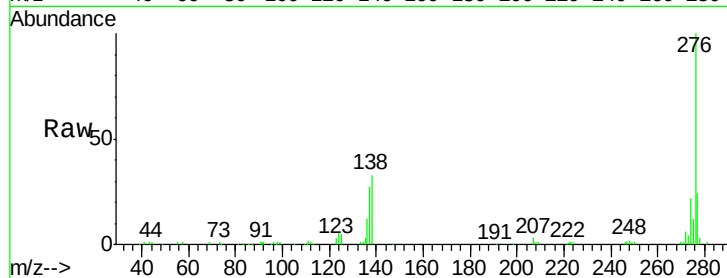
Acq: 13 Jul 2017 16:51

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT3-2017



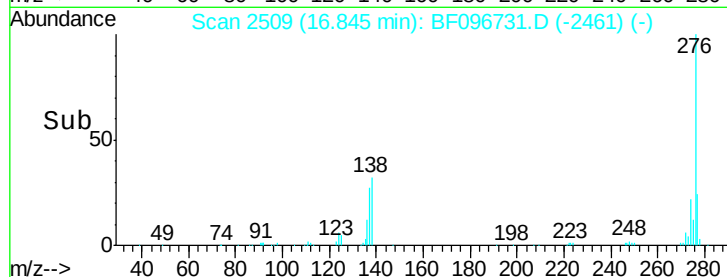
Tgt Ion: 276 Resp: 184829

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 32.7 25.4 38.0



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

120000

100000

80000

60000

40000

20000

0

16.84

16.80

16.90

Time-->