

Data File : BF100729.D
Acq On : 20 Nov 2017 14:43
Operator : SJ/JU
Sample : IDOC-SOIL-03
Misc : For Mohd. Javed
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

Quant Time: Nov 21 03:24:06 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	90186	20.00	ng	-0.01
21) Naphthalene-d8	8.16	136	363426	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	167974	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	311691	20.00	ng	0.00
75) Chrysene-d12	14.03	240	173120	20.00	ng	-0.01
86) Perylene-d12	15.50	264	195995	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	606060	107.72	ng	0.00
7) Phenol-d6	6.50	99	729241	105.11	ng	0.00
23) Nitrobenzene-d5	7.43	82	453455	82.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	200295	117.02	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	949227	86.05	ng	0.00
78) Terphenyl-d14	12.98	244	734712	97.51	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.74	88	77468	28.25	ng	97
3) Pyridine	3.50	79	220542	29.48	ng	93
4) n-Nitrosodimethylamine	3.45	42	104589	28.80	ng	97
6) Aniline	6.54	93	122763	12.53	ng	98
8) 2-Chlorophenol	6.66	128	220427	37.03	ng	99
9) Benzaldehyde	6.42	77	93282	18.83	ng	97
10) Phenol	6.52	94	259994	35.70	ng	96
11) bis(2-Chloroethyl)ether	6.61	93	200438	32.76	ng	98
12) 1,3-Dichlorobenzene	6.81	146	250933	36.57	ng	97
13) 1,4-Dichlorobenzene	6.89	146	250802	36.11	ng	99
14) 1,2-Dichlorobenzene	7.05	146	237812	37.03	ng	96
15) Benzyl Alcohol	7.01	79	188619	34.84	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.15	45	348863	35.66	ng	98
17) 2-Methylphenol	7.12	107	187606	36.88	ng	96
18) Hexachloroethane	7.38	117	83411	36.42	ng	96
19) n-Nitroso-di-n-propylamine	7.28	70	147581	30.67	ng	92
20) 3+4-Methylphenols	7.27	107	227390	35.33	ng	# 78
22) Acetophenone	7.28	105	295222	33.31	ng	# 98
24) Nitrobenzene	7.45	77	221675	39.18	ng	100
25) Isophorone	7.69	82	404375	35.01	ng	98
26) 2-Nitrophenol	7.77	139	123011	46.55	ng	93
27) 2,4-Dimethylphenol	7.80	122	208494	40.26	ng	98
28) bis(2-Chloroethoxy)methane	7.90	93	260162	34.43	ng	99
29) 2,4-Dichlorophenol	8.01	162	197636	39.98	ng	96
30) 1,2,4-Trichlorobenzene	8.09	180	208321	38.96	ng	97
31) Naphthalene	8.17	128	641624	36.65	ng	99
32) Benzoic acid	7.90	122	48574	19.23	ng	92
33) 4-Chloroaniline	8.22	127	63352	8.69	ng	97
34) Hexachlorobutadiene	8.29	225	117567	36.98	ng	99
35) Caprolactam	8.59	113	35981	21.21	ng	96
36) 4-Chloro-3-methylphenol	8.70	107	193185	36.39	ng	97
37) 2-Methylnaphthalene	8.87	142	444984	38.29	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	206088	36.99	ng	97
40) Hexachlorocyclopentadiene	9.02	237	183598	70.02	ng	100

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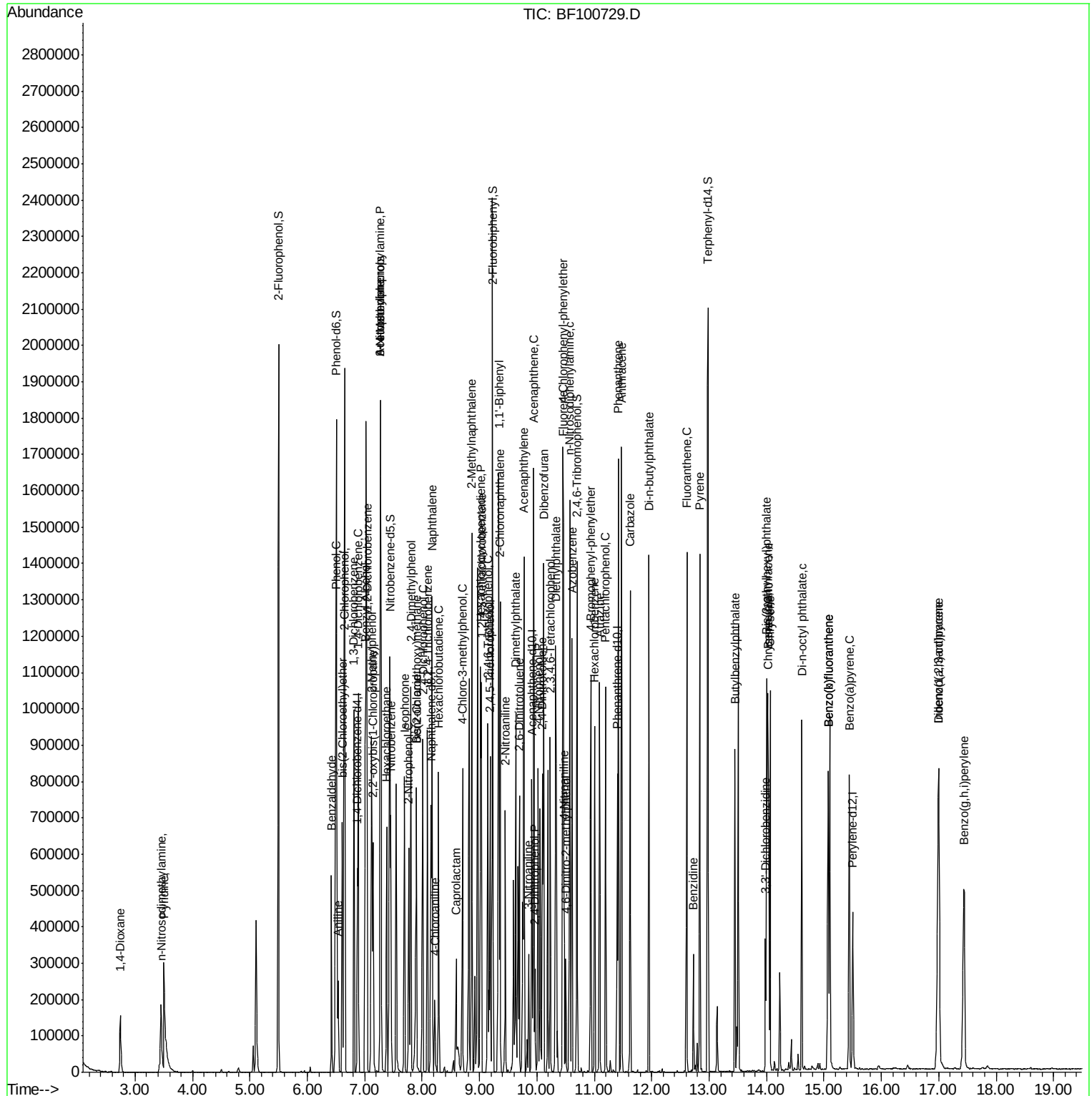
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	144547	40.94	ng	96
43) 2,4,5-Trichlorophenol	9.19	196	146910	40.16	ng	# 89
45) 1,1'-Biphenyl	9.33	154	530604	36.52	ng	97
46) 2-Chloronaphthalene	9.36	162	415418	39.42	ng	97
47) 2-Nitroaniline	9.45	65	118815	38.72	ng	99
48) Acenaphthylene	9.77	152	632776	36.23	ng	99
49) Dimethylphthalate	9.63	163	470102	36.66	ng	99
50) 2,6-Dinitrotoluene	9.69	165	107824	42.47	ng	91
51) Acenaphthene	9.95	154	392363	36.94	ng	98
52) 3-Nitroaniline	9.86	138	52468	17.50	ng	98
53) 2,4-Dinitrophenol	9.97	184	37833	44.89	ng	# 12
54) Dibenzofuran	10.12	168	558302	37.50	ng	98
55) 4-Nitrophenol	10.02	139	148937	61.19	ng	91
56) 2,4-Dinitrotoluene	10.10	165	137717	43.00	ng	# 88
57) Fluorene	10.46	166	429572	39.39	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.23	232	114771	38.28	ng	# 85
59) Diethylphthalate	10.33	149	456657	35.58	ng	98
60) 4-Chlorophenyl-phenylether	10.45	204	211425	39.52	ng	89
61) 4-Nitroaniline	10.47	138	97142	34.17	ng	87
62) Azobenzene	10.61	77	405648	33.56	ng	94
64) 4,6-Dinitro-2-methylphenol	10.50	198	39752	29.32	ng	78
65) n-Nitrosodiphenylamine	10.57	169	398268	36.75	ng	95
66) 4-Bromophenyl-phenylether	10.94	248	133609	39.99	ng	# 87
67) Hexachlorobenzene	11.00	284	139662	39.97	ng	# 92
68) Atrazine	11.09	200	121917	37.16	ng	97
69) Pentachlorophenol	11.20	266	119261	47.59	ng	98
70) Phenanthrene	11.42	178	622039	37.90	ng	98
71) Anthracene	11.47	178	640504	38.47	ng	99
72) Carbazole	11.63	167	526489	34.27	ng	99
73) Di-n-butylphthalate	11.95	149	679689	37.81	ng	99
74) Fluoranthene	12.61	202	583043	33.52	ng	96
76) Benzidine	12.73	184	124593	17.97	ng	98
77) Pyrene	12.84	202	566436	45.90	ng	98
79) Butylbenzylphthalate	13.45	149	212694	42.26	ng	# 88
80) Benzo(a)anthracene	14.02	228	404414	38.79	ng	98
81) 3,3'-Dichlorobenzidine	13.98	252	78412	20.99	ng	96
82) Chrysene	14.06	228	382119	37.85	ng	99
83) Bis(2-ethylhexyl)phthalate	14.00	149	272620	41.19	ng	100
84) Di-n-octyl phthalate	14.62	149	445361	39.17	ng	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	517458	63.37	ng	95
87) Benzo(b)fluoranthene	15.07	252	409914	35.30	ng	98
88) Benzo(k)fluoranthene	15.07	252	409914	37.36	ng	98
89) Benzo(a)pyrene	15.44	252	412996	40.12	ng	98
90) Dibenzo(a,h)anthracene	17.00	278	430468	51.13	ng	97
91) Benzo(g,h,i)perylene	17.44	276	445596	54.07	ng	# 94

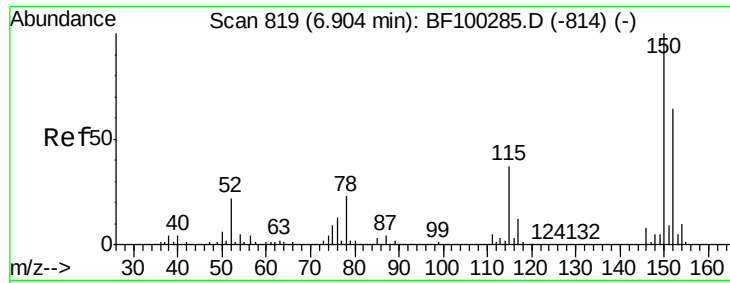
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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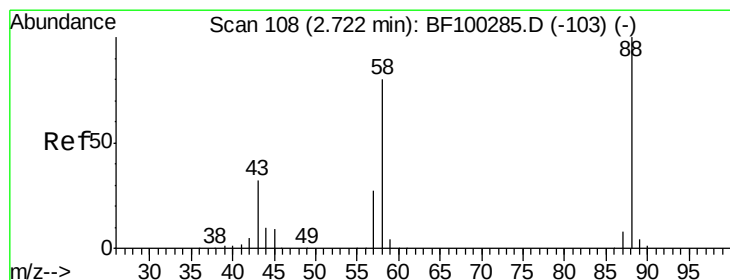
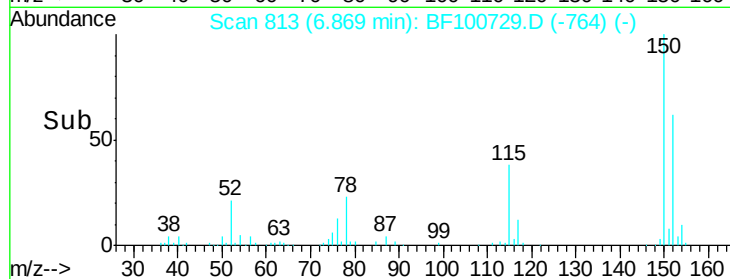
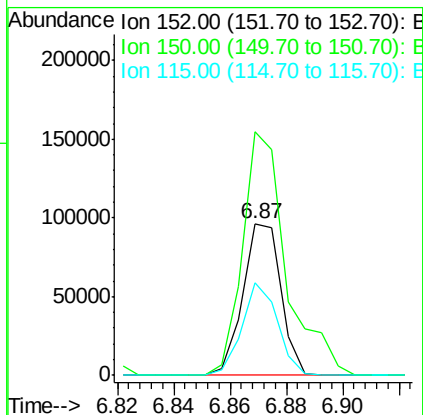
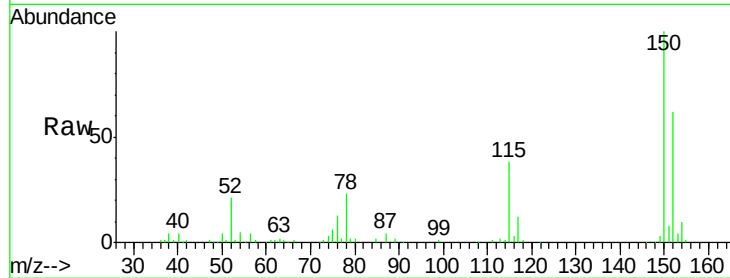


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
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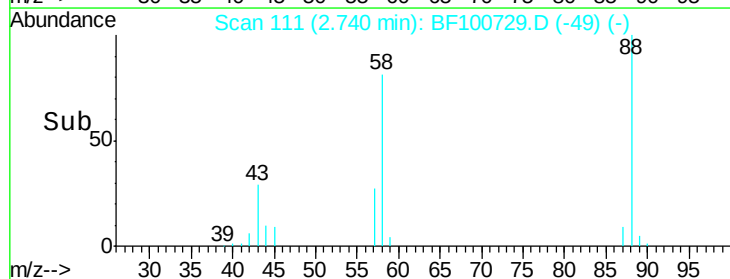
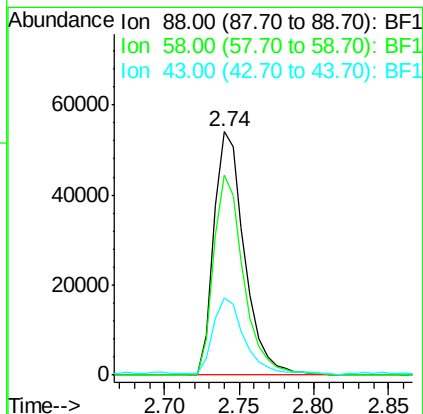
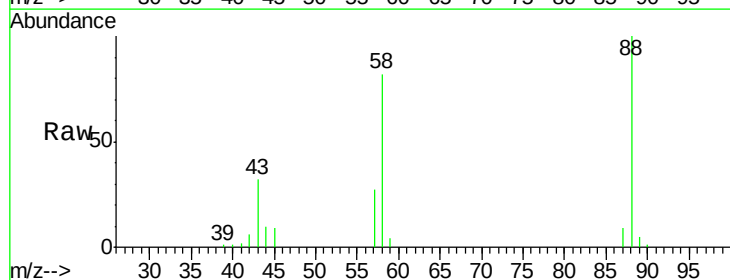
Tgt Ion:152 Resp: 90186
Ion Ratio Lower Upper
152 100
150 160.8 124.6 186.8
115 61.2 50.1 75.1

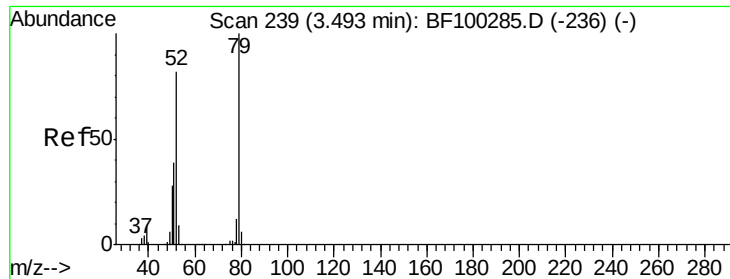


#2

1,4-Dioxane
Concen: 28.25 ng
RT: 2.74 min Scan# 111
Delta R.T. 0.06 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion: 88 Resp: 77468
Ion Ratio Lower Upper
88 100
58 80.5 62.6 93.8
43 33.7 24.6 37.0





#3

Pyridine

Concen: 29.48 ng

RT: 3.50 min Scan# 240

Delta R.T. 0.05 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

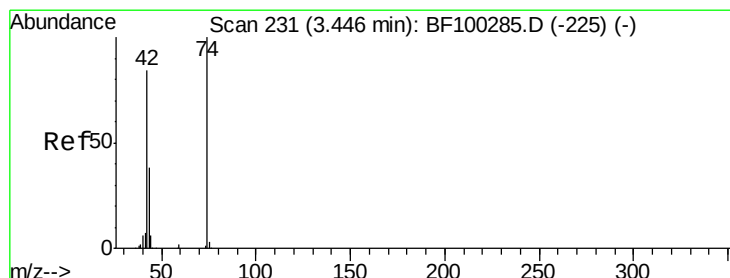
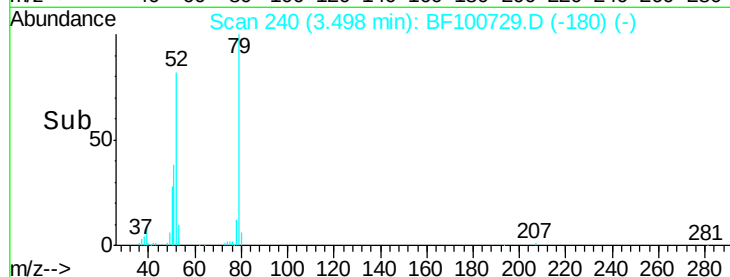
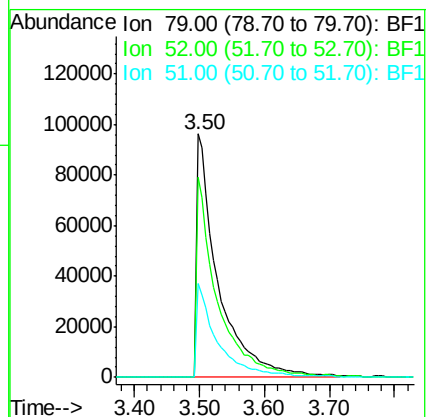
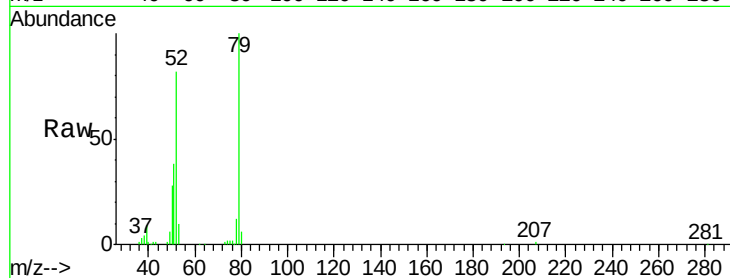
Tgt Ion: 79 Resp: 220542

Ion Ratio Lower Upper

79 100

52 82.3 59.8 89.6

51 38.5 29.8 44.8



#4

n-Nitrosodimethylamine

Concen: 28.80 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.05 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

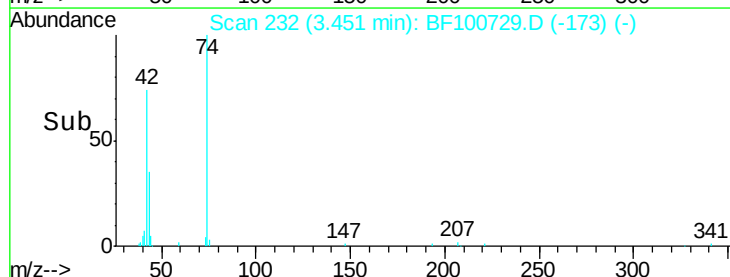
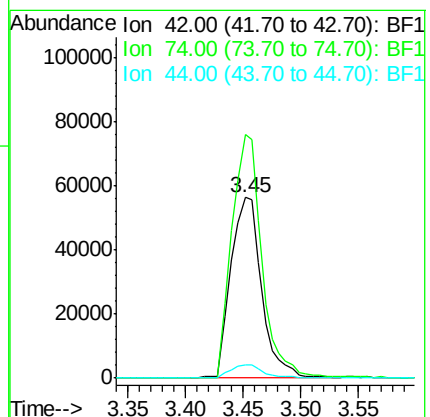
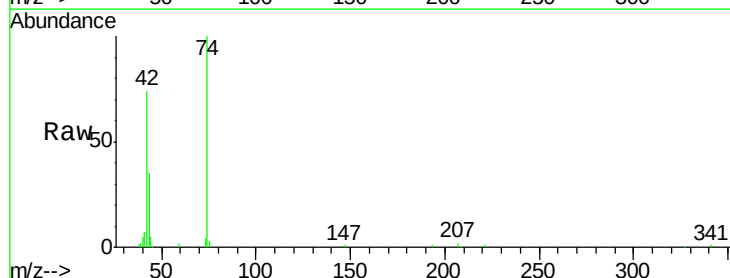
Tgt Ion: 42 Resp: 104589

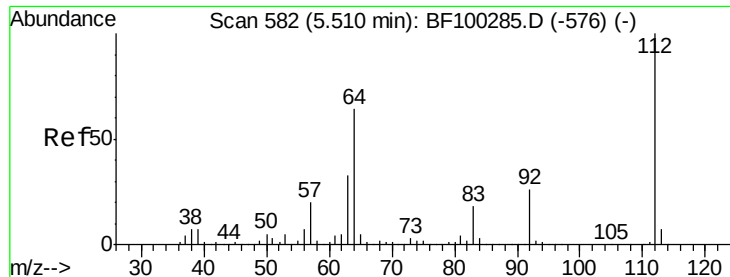
Ion Ratio Lower Upper

42 100

74 135.0 104.9 157.3

44 7.3 6.9 10.3





#5

2-Fluorophenol

Concen: 107.72 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

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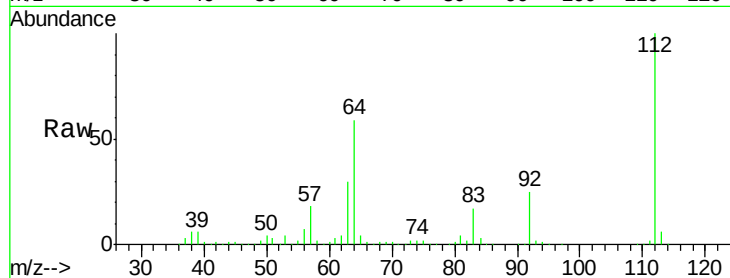
Tgt Ion: 112 Resp: 606060

Ion Ratio Lower Upper

112 100

64 59.2 47.9 71.9

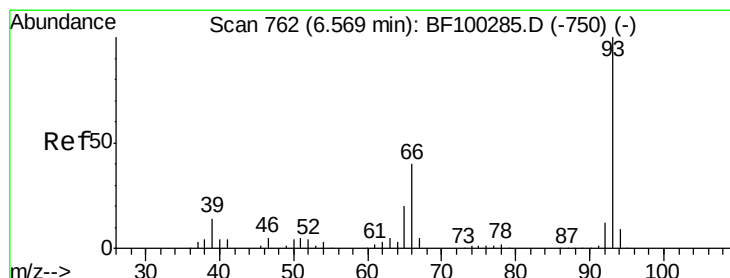
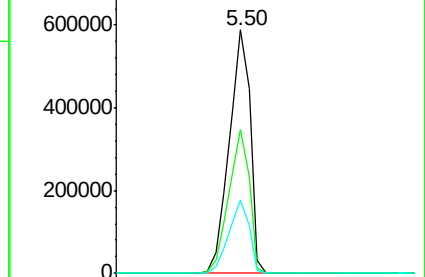
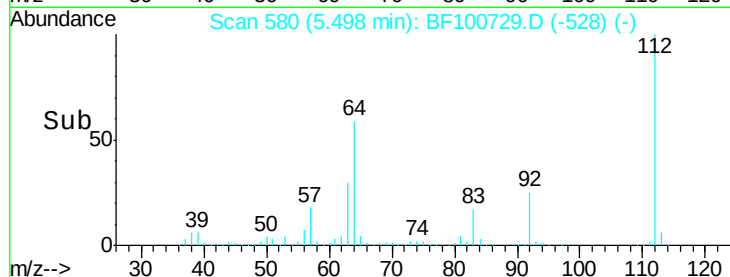
63 30.2 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 12.53 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

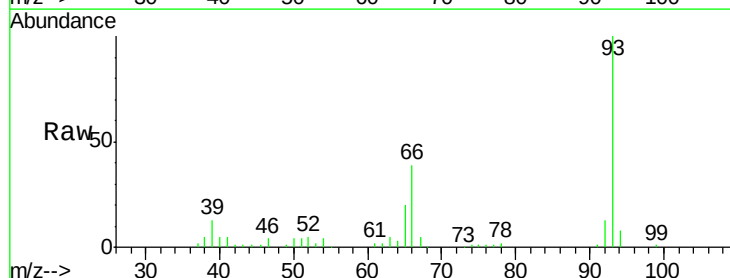
Tgt Ion: 93 Resp: 122763

Ion Ratio Lower Upper

93 100

66 38.8 32.2 48.2

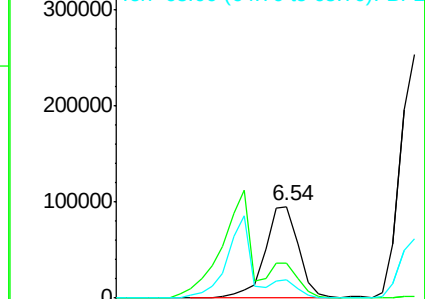
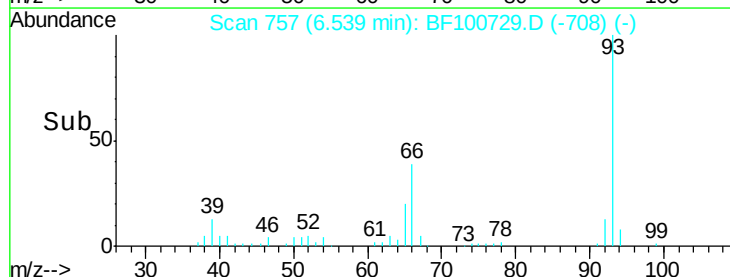
65 19.7 16.4 24.6

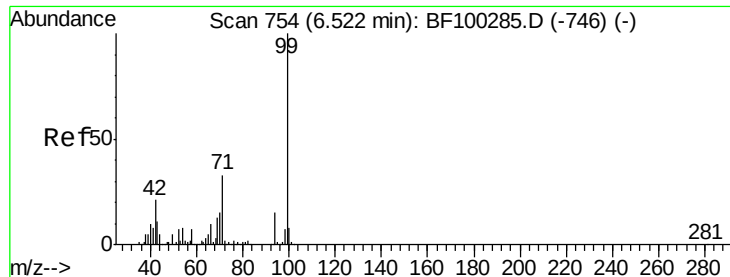


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 105.11 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100729.D

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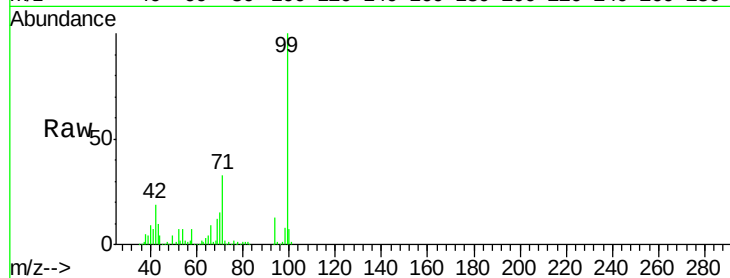
Tgt Ion: 99 Resp: 729241

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

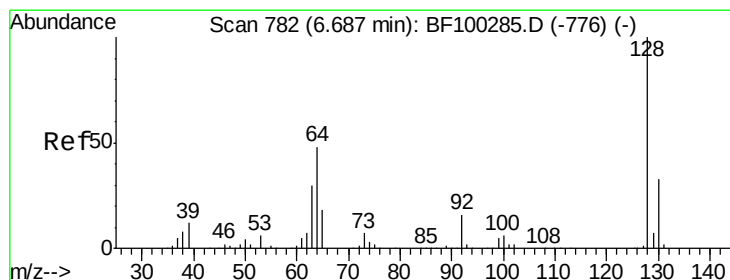
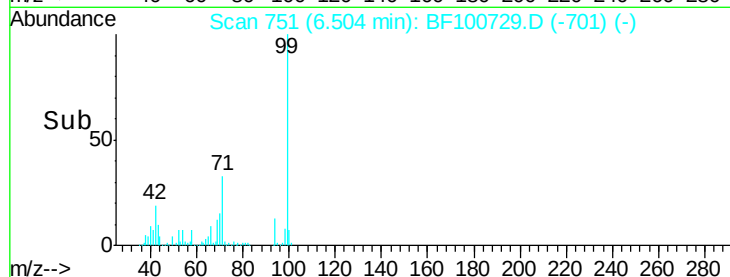
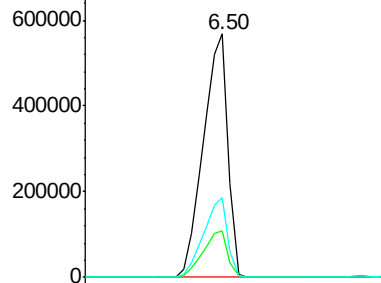
71 32.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 37.03 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

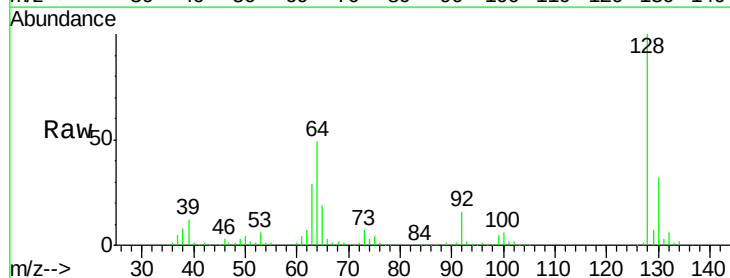
Tgt Ion: 128 Resp: 220427

Ion Ratio Lower Upper

128 100

130 32.3 13.0 53.0

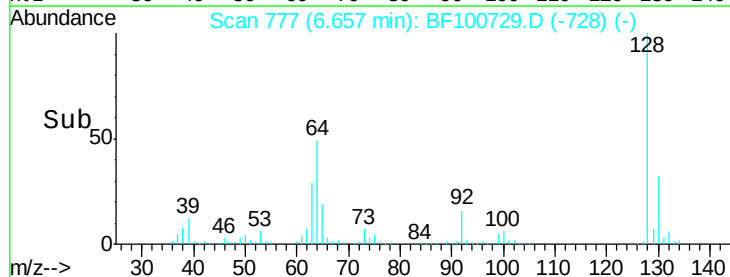
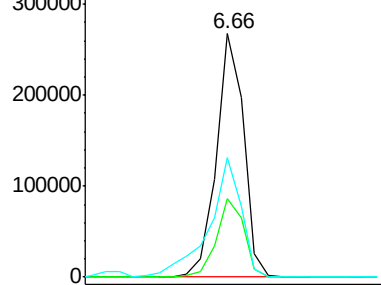
64 49.2 29.4 69.4

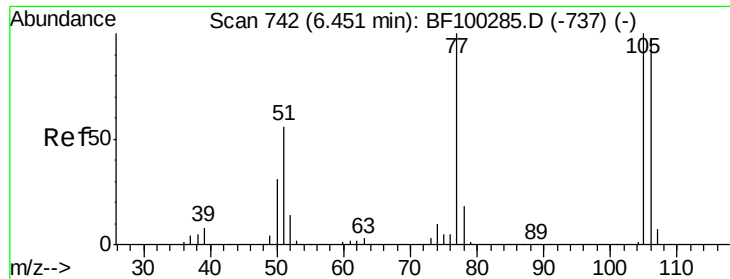


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1

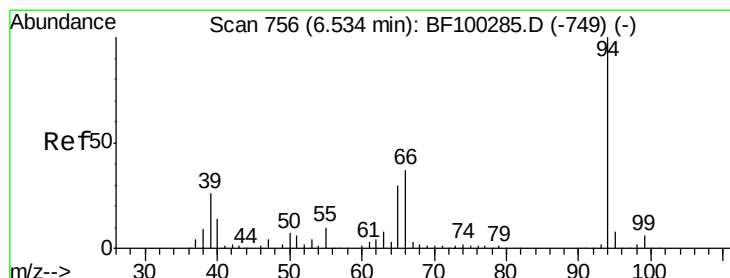
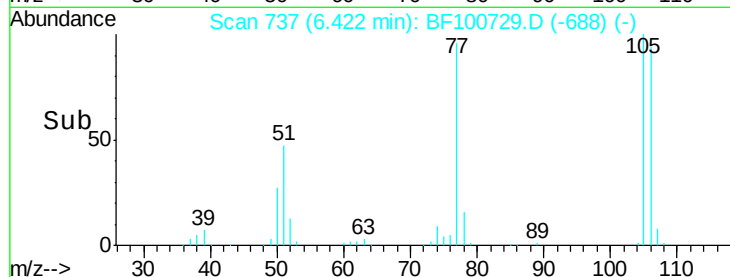
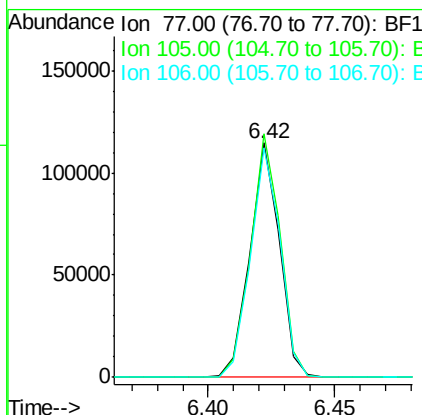
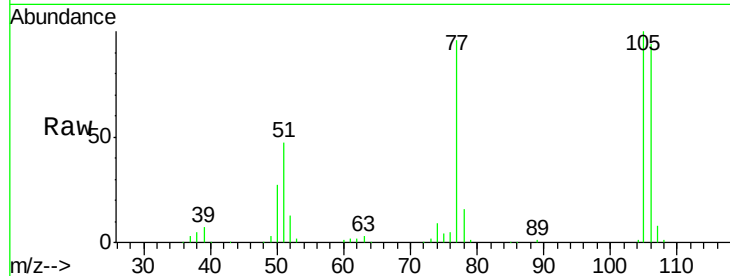




#9
Benzaldehyde
Concen: 18.83 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

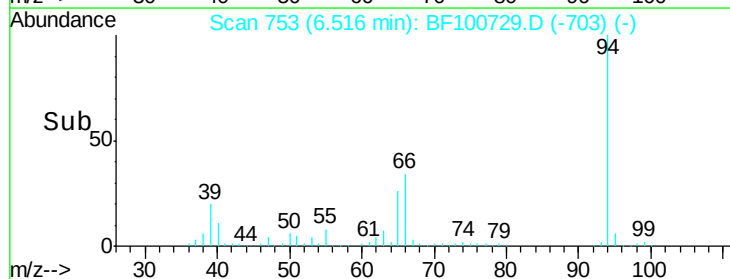
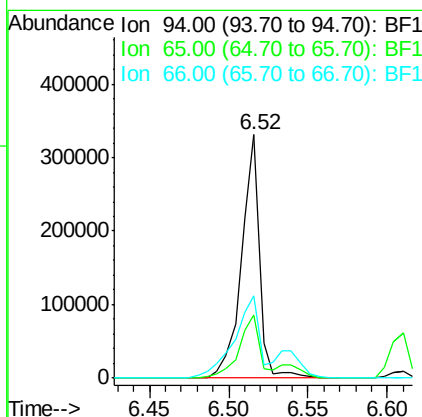
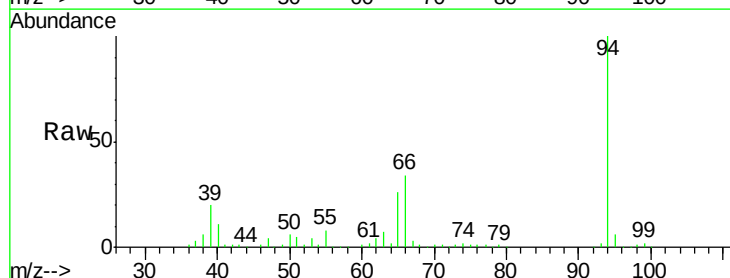
Instrument :
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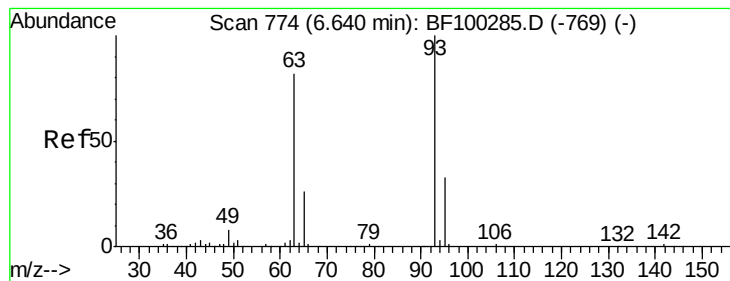
Tgt Ion: 77 Resp: 93282
Ion Ratio Lower Upper
77 100
105 103.9 81.1 121.1
106 97.7 74.5 114.5



#10
Phenol
Concen: 35.70 ng
RT: 6.52 min Scan# 753
Delta R.T. -0.01 min
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Tgt Ion: 94 Resp: 259994
Ion Ratio Lower Upper
94 100
65 25.8 7.9 47.9
66 34.0 16.2 56.2





#11

bis(2-Chloroethyl)ether

Concen: 32.76 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

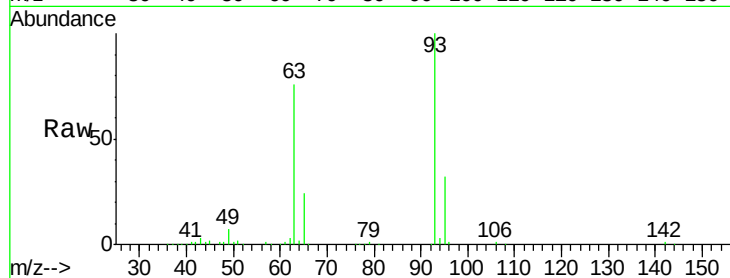
Tgt Ion: 93 Resp: 200438

Ion Ratio Lower Upper

93 100

63 76.4 58.6 98.6

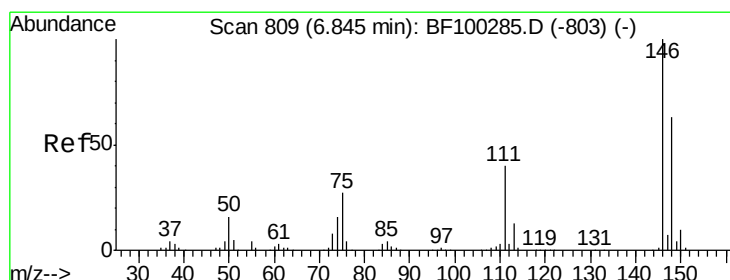
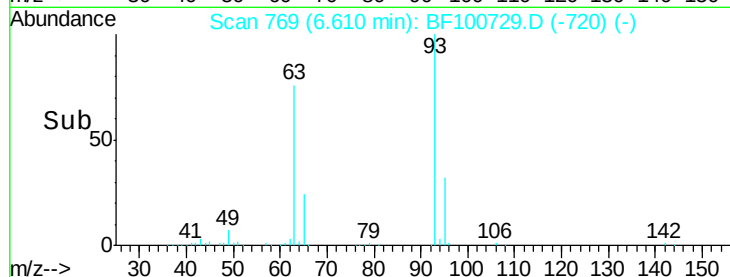
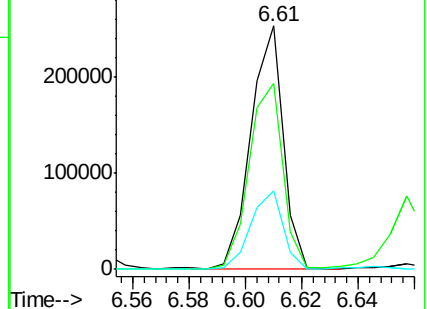
95 32.2 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 36.57 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

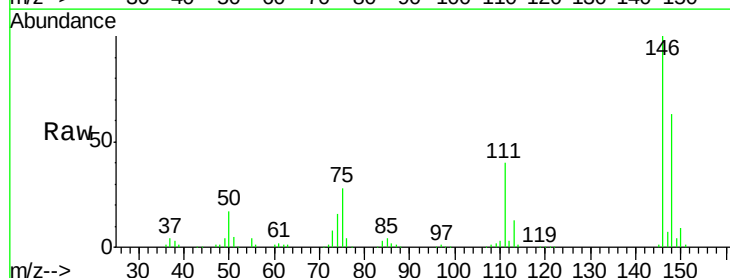
Tgt Ion: 146 Resp: 250933

Ion Ratio Lower Upper

146 100

148 62.8 51.8 77.8

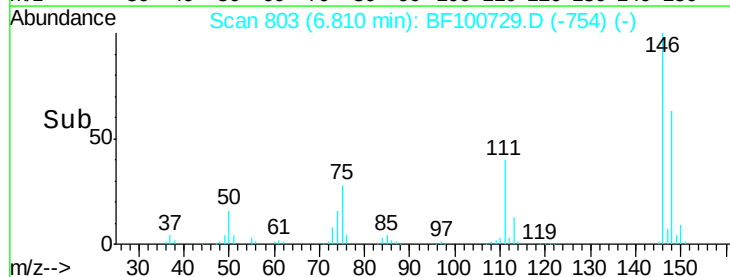
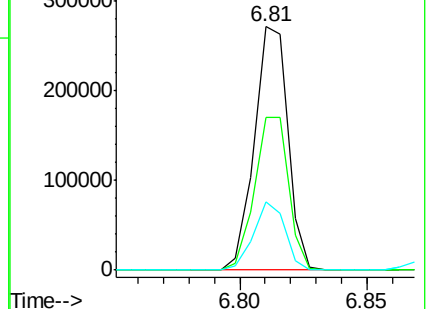
75 28.1 24.2 36.4

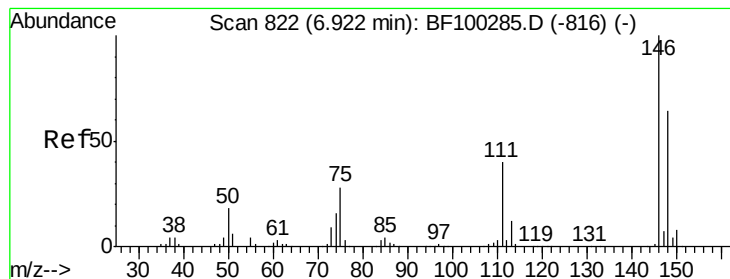


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 36.11 ng

RT: 6.89 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

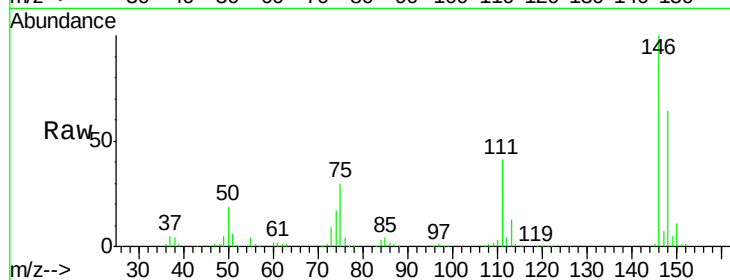
Tgt Ion:146 Resp: 250802

Ion Ratio Lower Upper

146 100

148 63.7 50.8 76.2

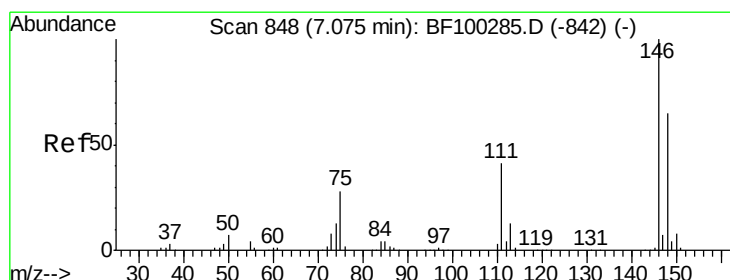
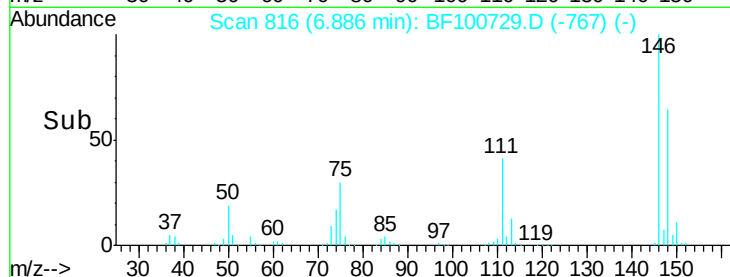
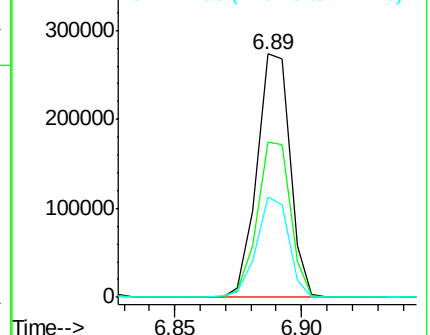
111 41.0 34.2 51.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 37.03 ng

RT: 7.05 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

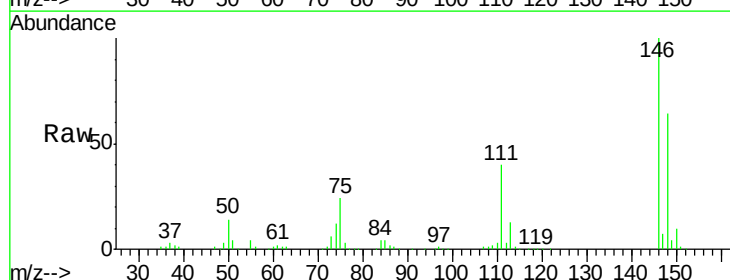
Tgt Ion:146 Resp: 237812

Ion Ratio Lower Upper

146 100

148 64.2 50.6 75.8

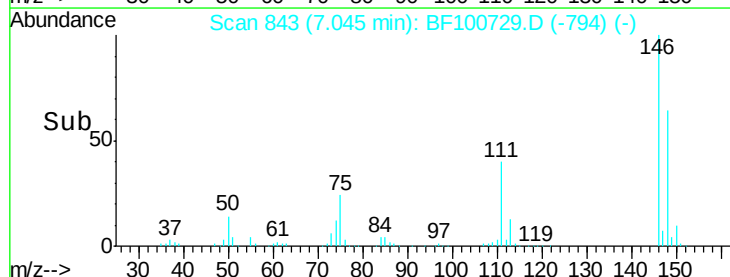
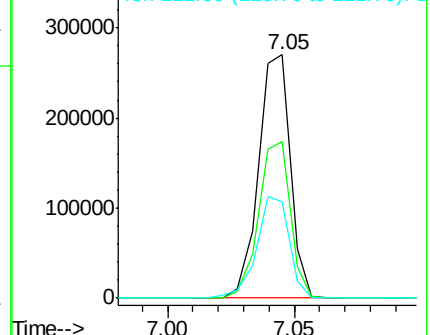
111 39.7 36.0 54.0

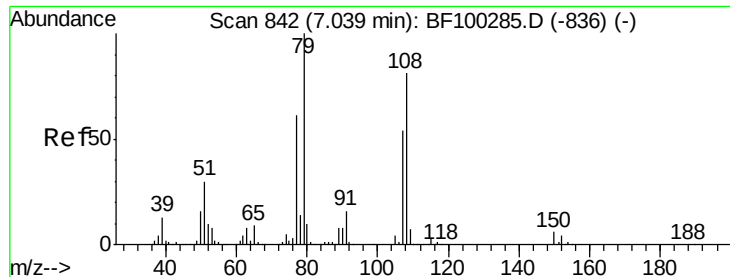


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 34.84 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

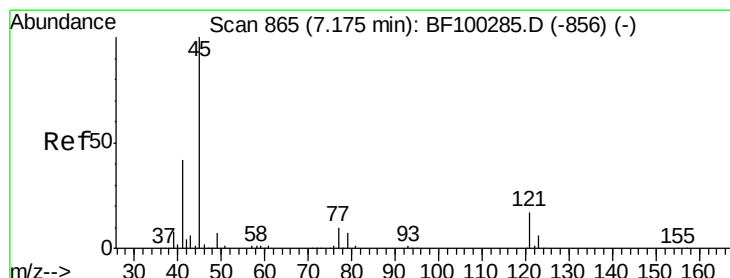
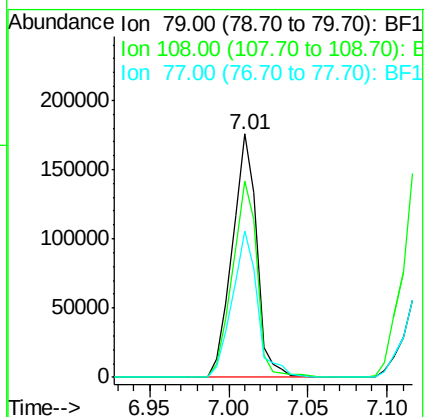
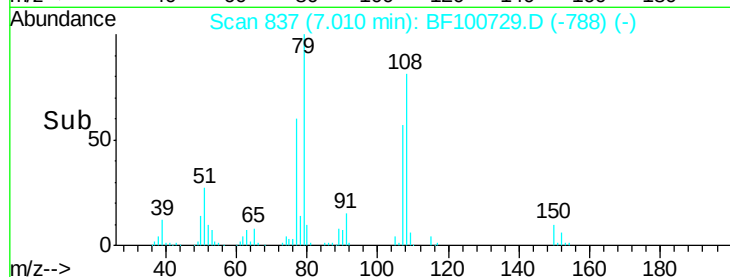
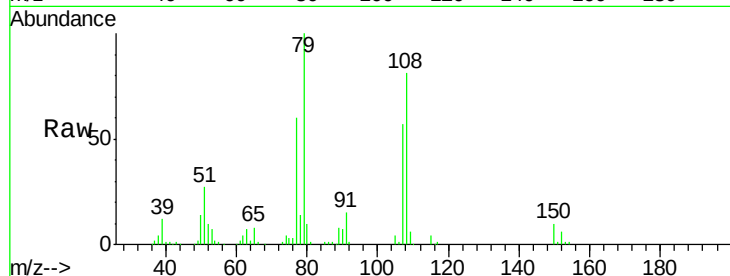
Tgt Ion: 79 Resp: 188619

Ion Ratio Lower Upper

79 100

108 80.8 65.1 97.7

77 60.0 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.66 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

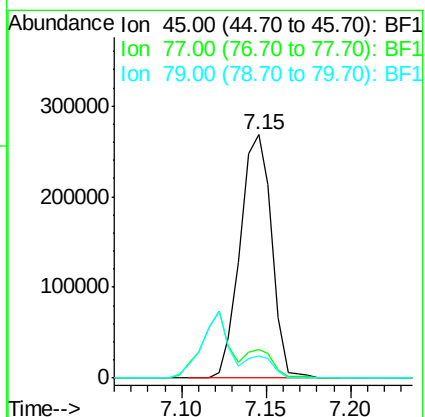
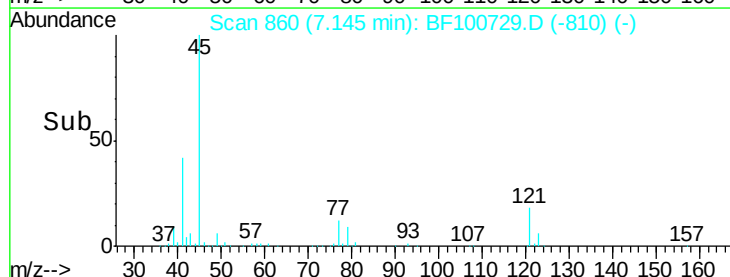
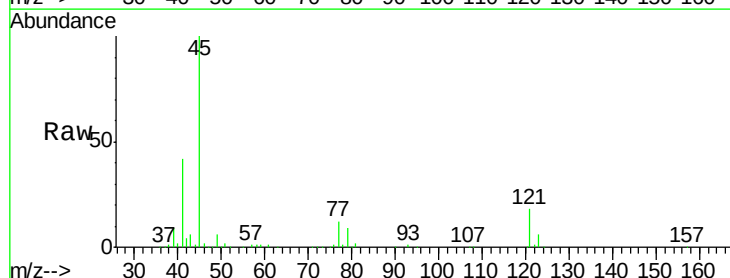
Tgt Ion: 45 Resp: 348863

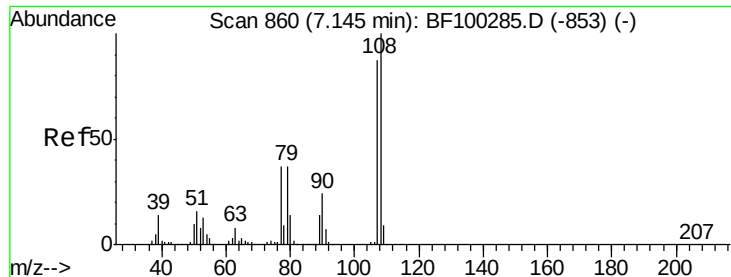
Ion Ratio Lower Upper

45 100

77 11.7 0.0 32.9

79 9.3 0.0 29.6





#17

2-Methylphenol

Concen: 36.88 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

Tgt Ion:107 Resp: 187606

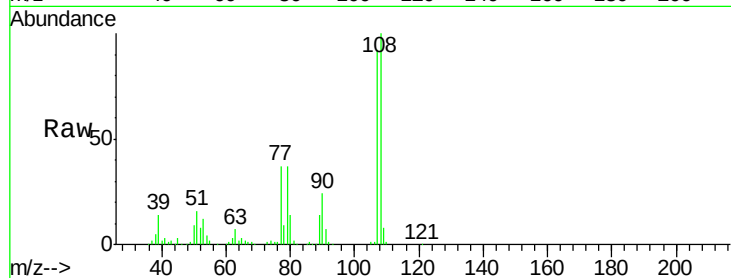
Ion Ratio Lower Upper

107 100

108 108.9 91.7 137.5

77 40.2 33.8 50.8

79 40.0 33.8 50.8

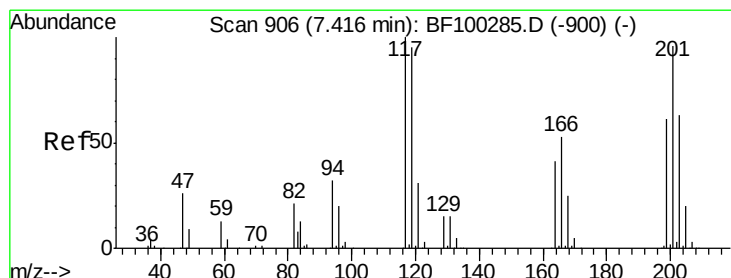
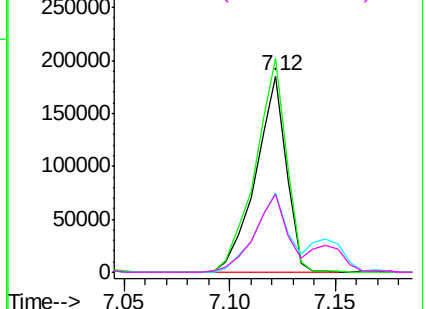
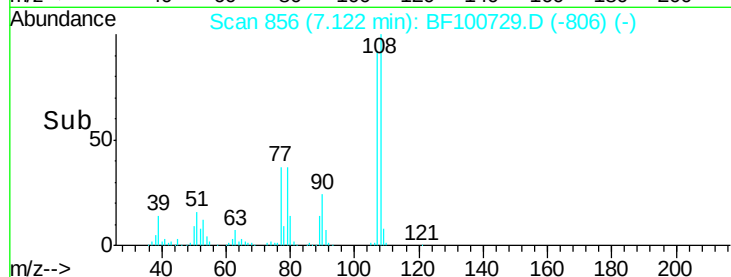


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 36.42 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

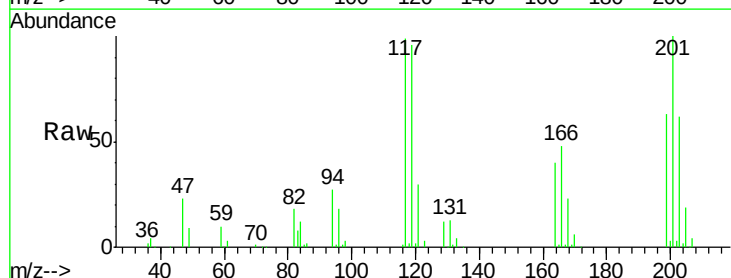
Tgt Ion:117 Resp: 83411

Ion Ratio Lower Upper

117 100

119 96.3 75.8 113.8

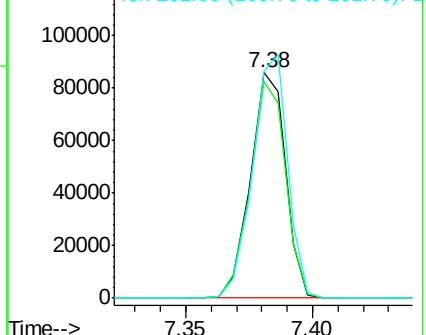
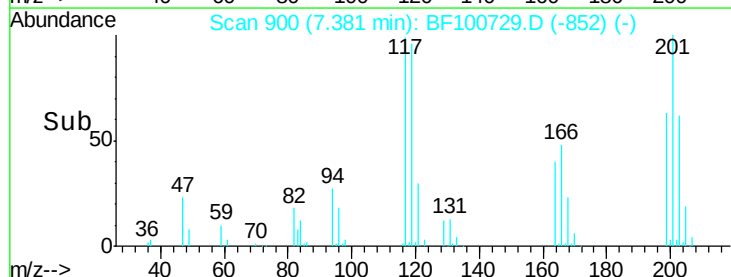
201 100.7 75.7 113.5

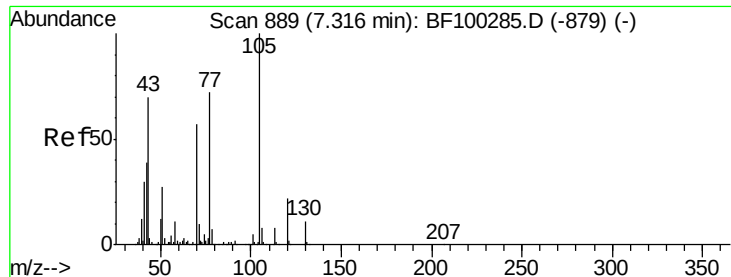


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

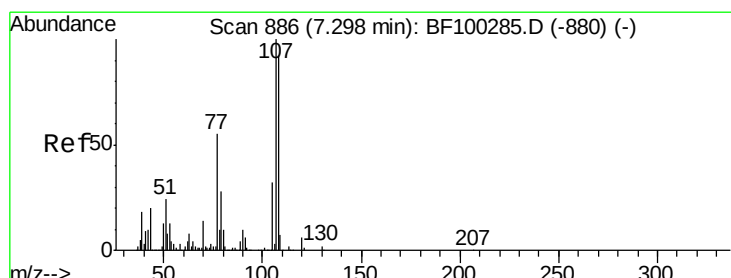
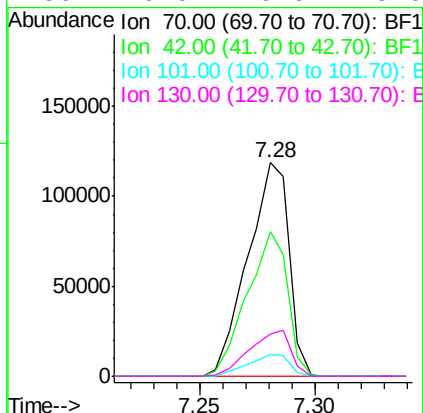
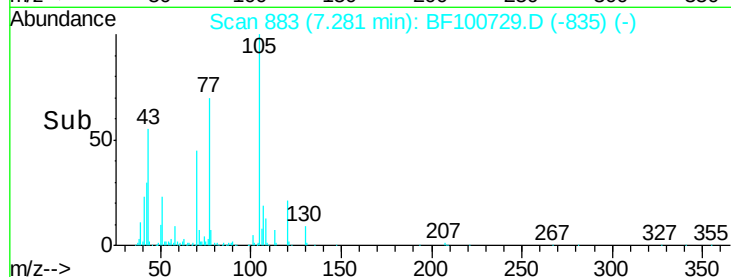
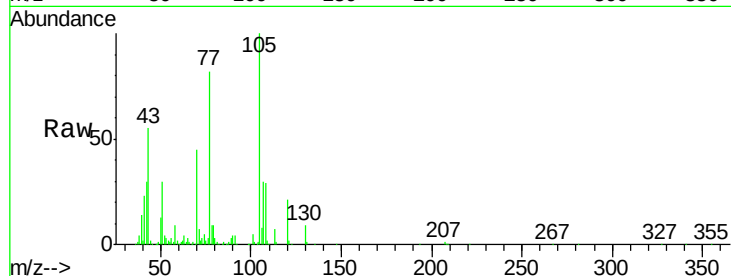




#19
n-Nitroso-di-n-propylamine
Concen: 30.67 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

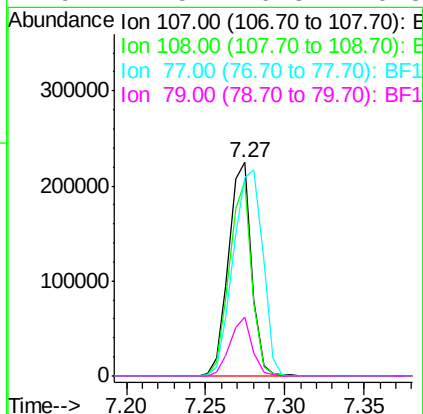
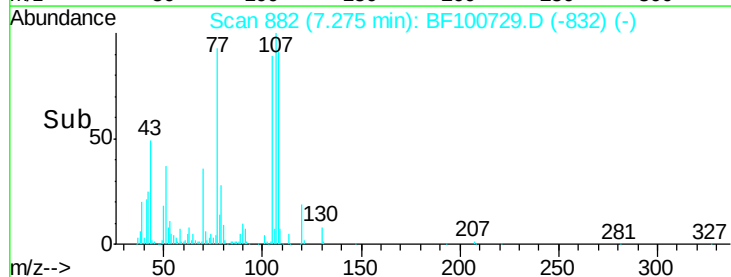
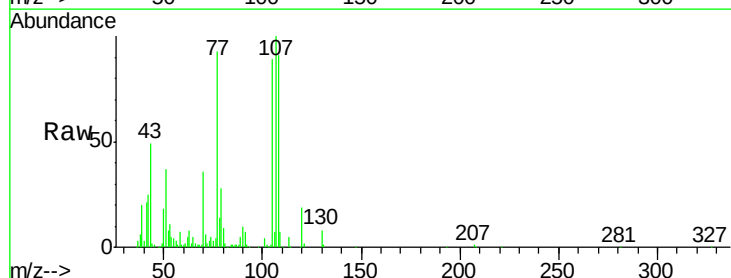
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

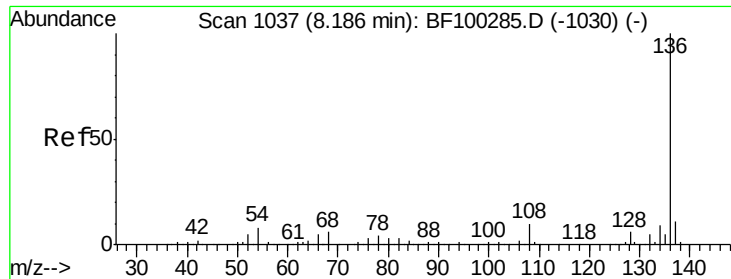
Tgt Ion: 70 Resp: 147581
Ion Ratio Lower Upper
70 100
42 67.4 47.5 71.3
101 10.2 7.4 11.2
130 20.0 16.6 25.0



#20
3+4-Methylphenols
Concen: 35.33 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion: 107 Resp: 227390
Ion Ratio Lower Upper
107 100
108 91.4 68.2 108.2
77 92.7 26.7 66.7#
79 27.5 6.3 46.3

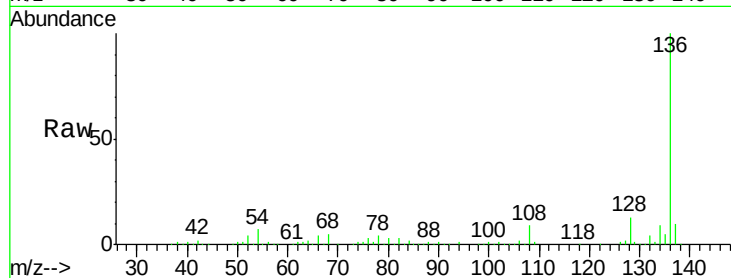




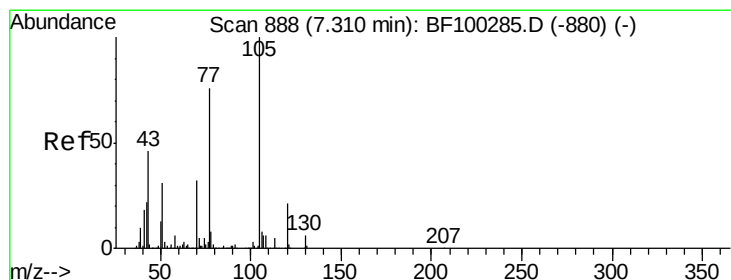
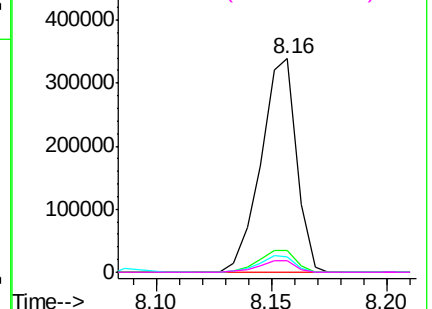
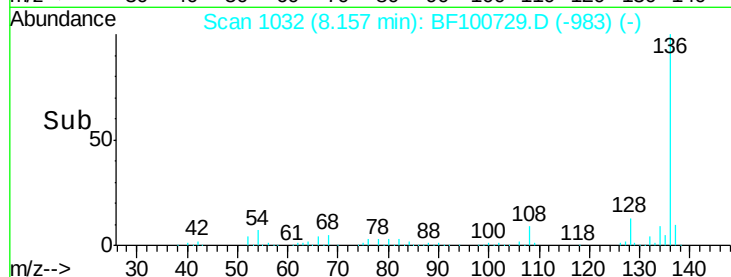
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

Tgt Ion:	136	Resp:	363426
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.9	13.3
54	7.4	6.6	9.8
68	5.3	5.0	7.4

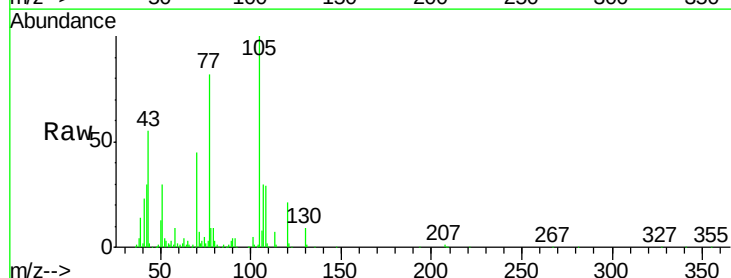


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

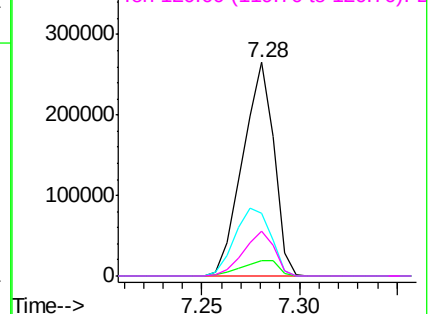
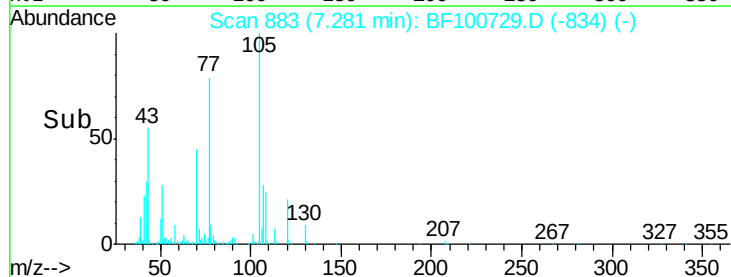


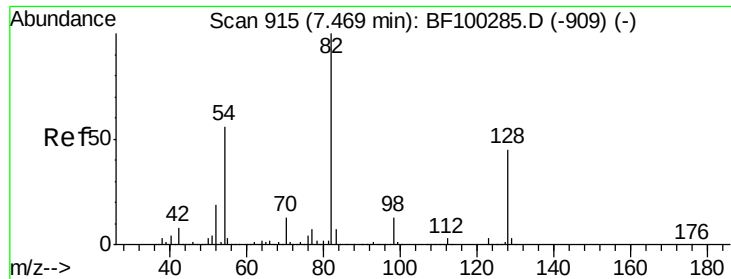
#22
Acetophenone
Concen: 33.31 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion:	105	Resp:	295222
Ion	Ratio	Lower	Upper
105	100		
71	7.4	4.4	6.6#
51	29.6	22.3	33.5
120	21.3	16.9	25.3



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

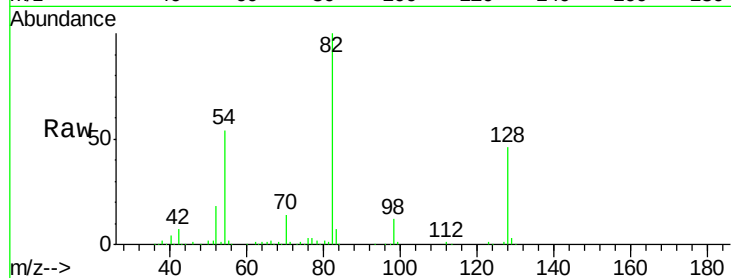




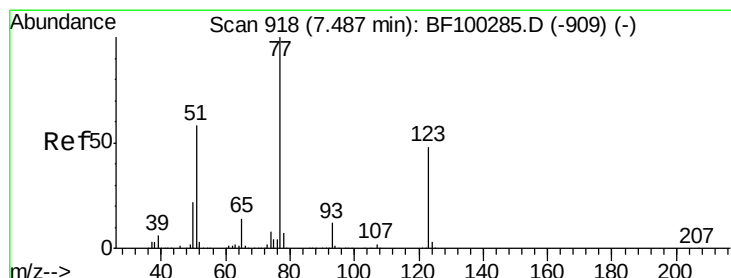
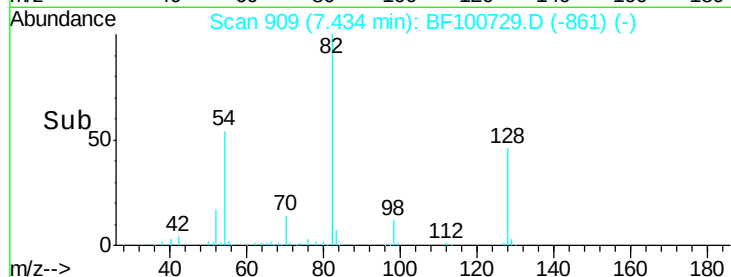
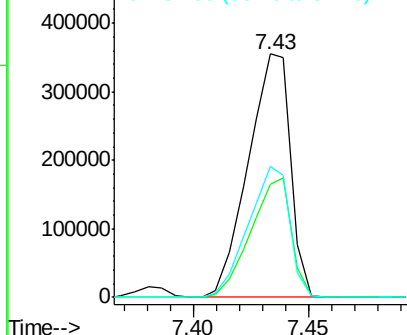
#23
Nitrobenzene-d5
Concen: 82.49 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	53.5	41.4	62.2

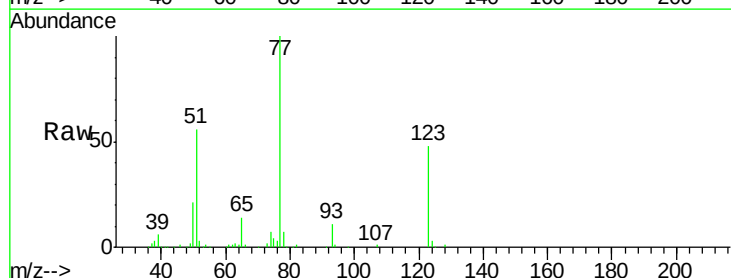


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

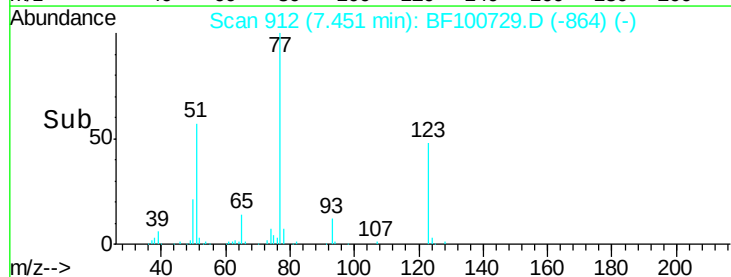
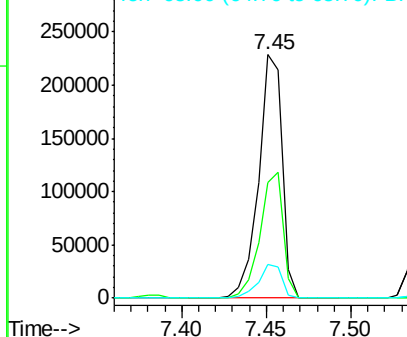


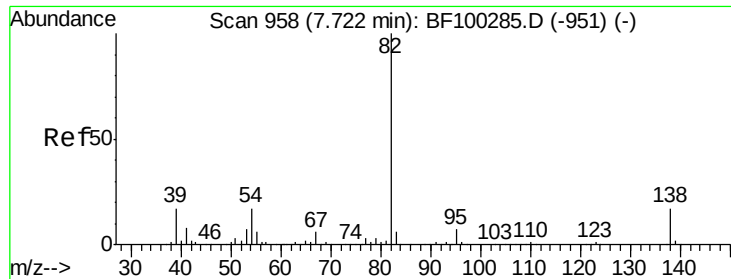
#24
Nitrobenzene
Concen: 39.18 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.9	56.9
65	13.8	11.0	16.4



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





#25

Isophorone

Concen: 35.01 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

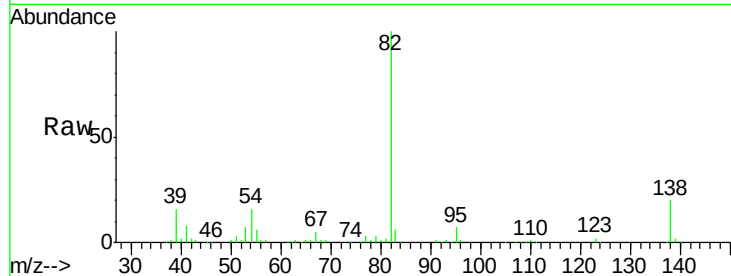
Tgt Ion: 82 Resp: 404375

Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

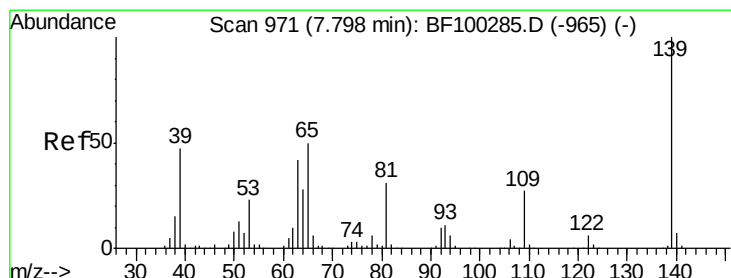
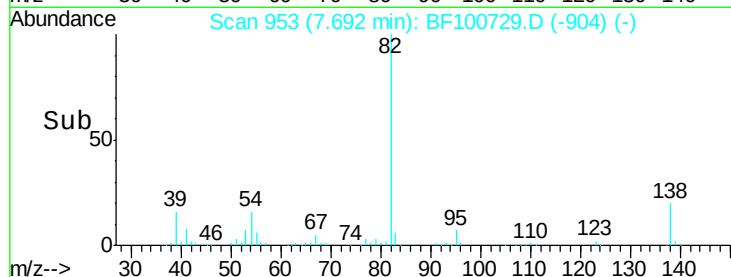
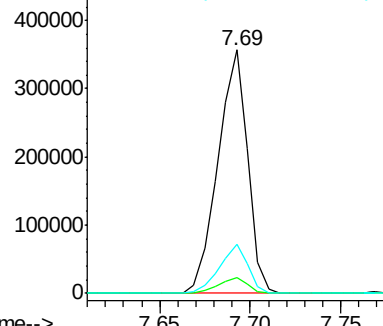
138 20.0 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 46.55 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

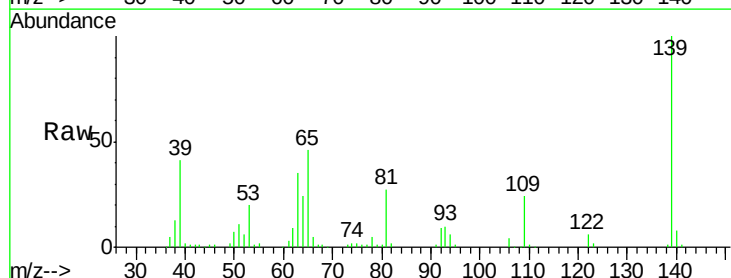
Tgt Ion: 139 Resp: 123011

Ion Ratio Lower Upper

139 100

109 24.4 22.7 34.1

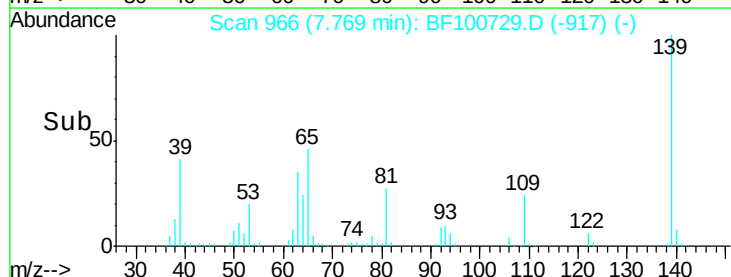
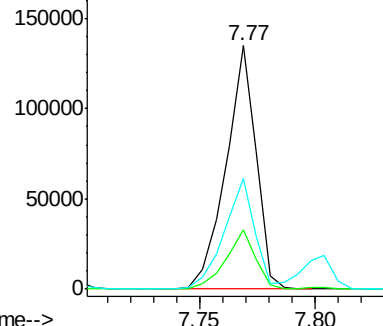
65 45.5 40.5 60.7

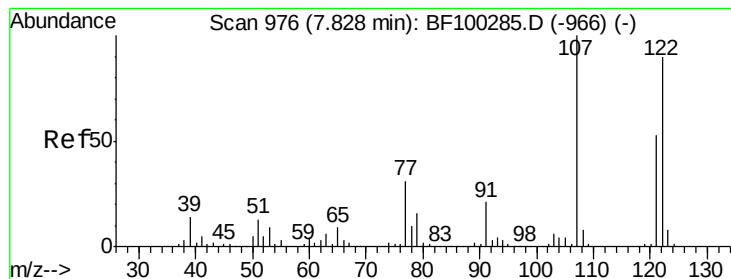


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 40.26 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

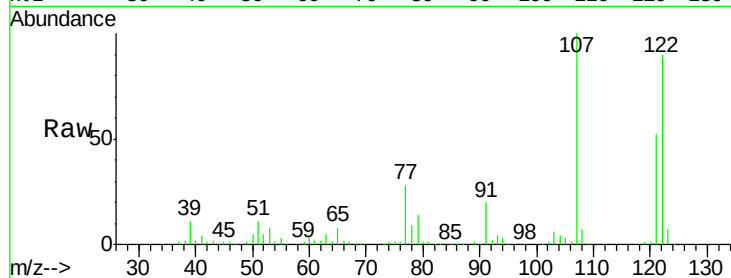
Tgt Ion: 122 Resp: 208494

Ion Ratio Lower Upper

122 100

107 111.1 91.2 136.8

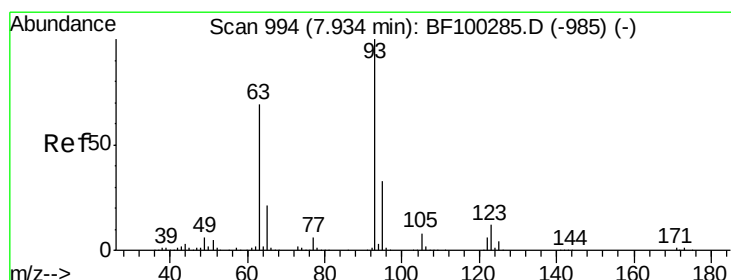
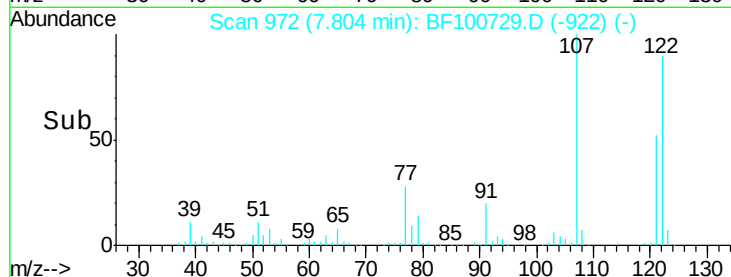
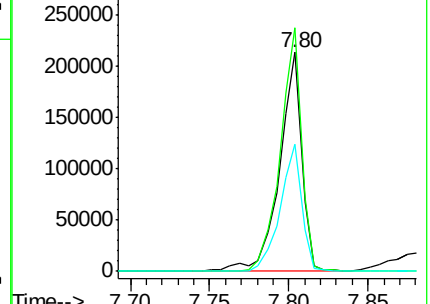
121 58.3 47.2 70.8



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: 34.43 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

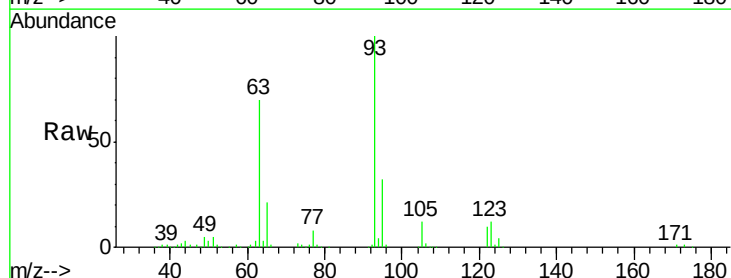
Tgt Ion: 93 Resp: 260162

Ion Ratio Lower Upper

93 100

95 32.2 26.3 39.5

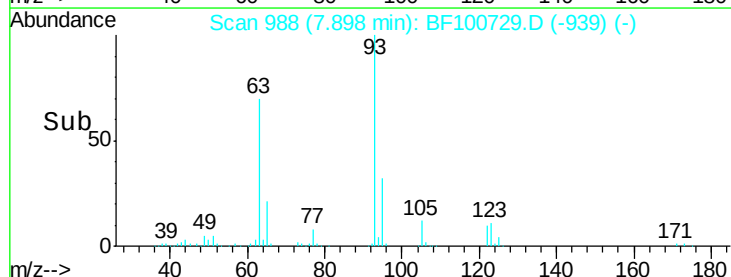
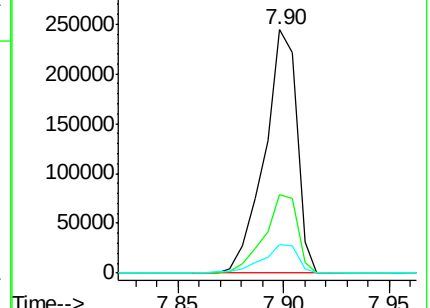
123 11.6 9.8 14.6

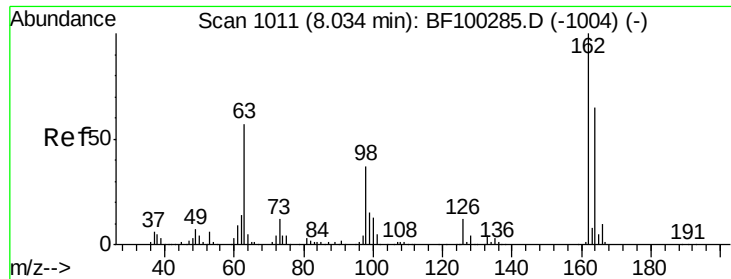


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

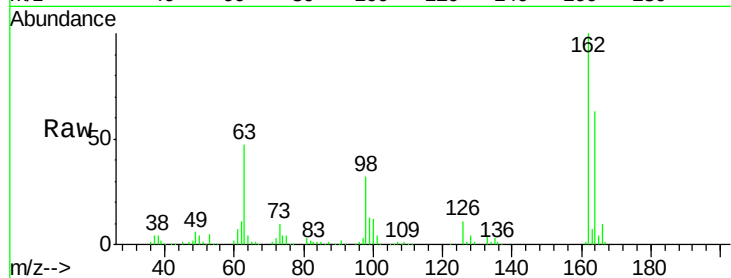




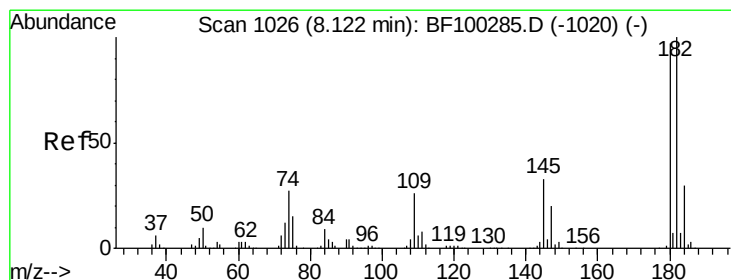
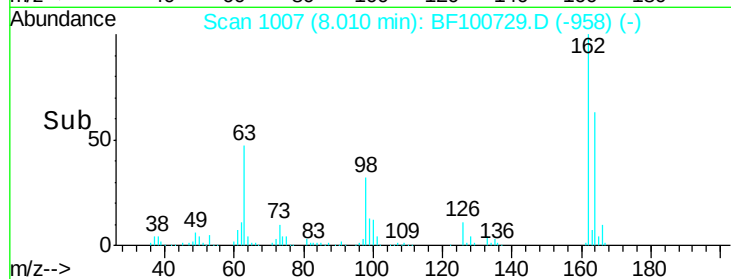
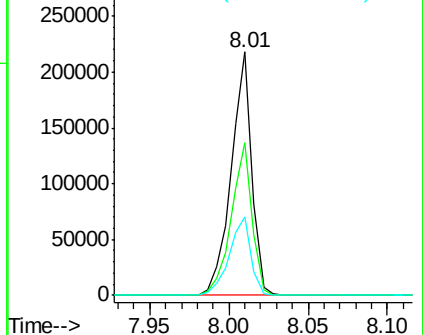
#29
2,4-Dichlorophenol
Concen: 39.98 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

Tgt Ion:162 Resp: 197636
Ion Ratio Lower Upper
162 100
164 62.6 42.7 82.7
98 32.4 18.1 58.1

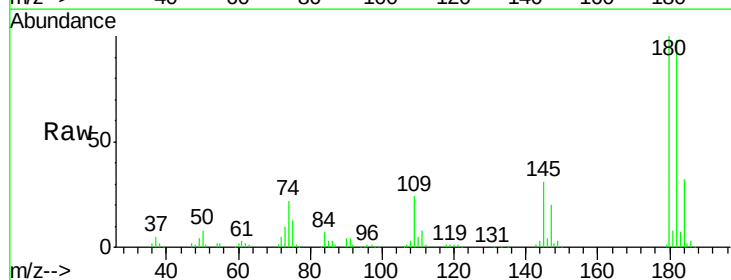


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

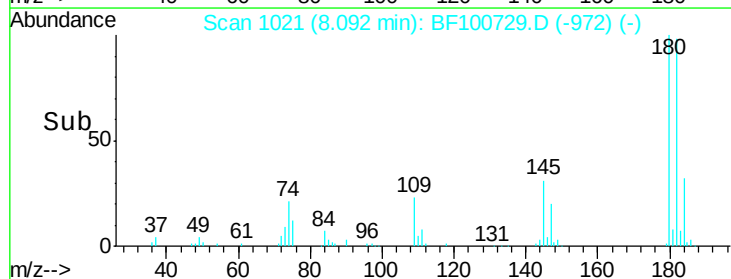
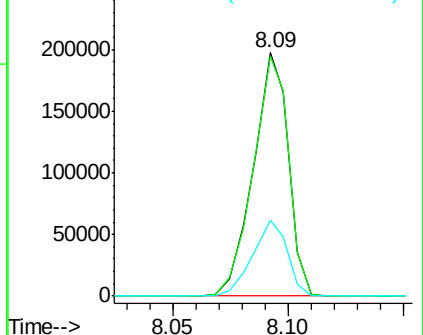


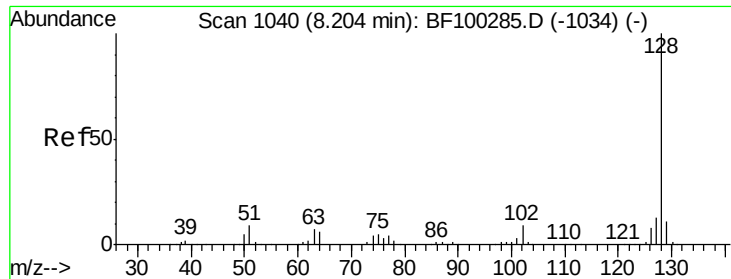
#30
1,2,4-Trichlorobenzene
Concen: 38.96 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion:180 Resp: 208321
Ion Ratio Lower Upper
180 100
182 98.3 76.8 115.2
145 31.2 26.5 39.7



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

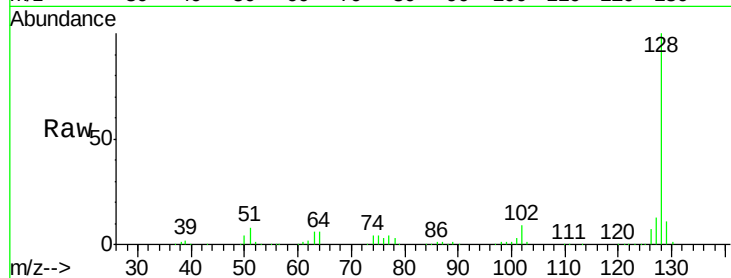




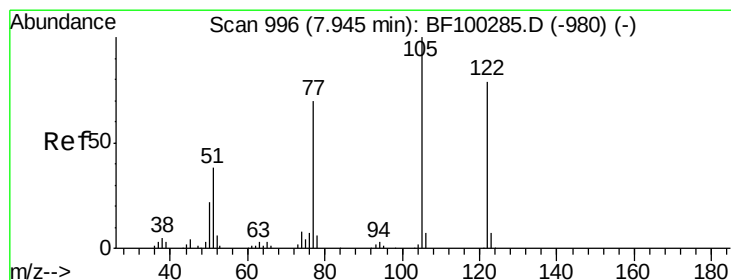
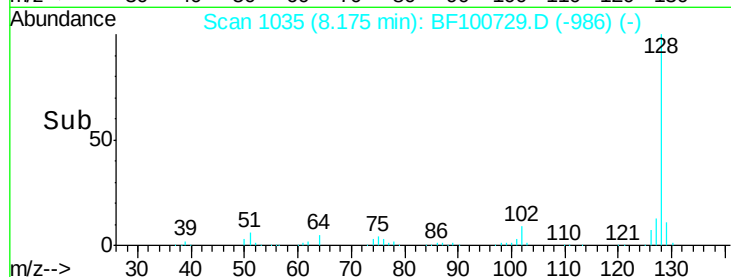
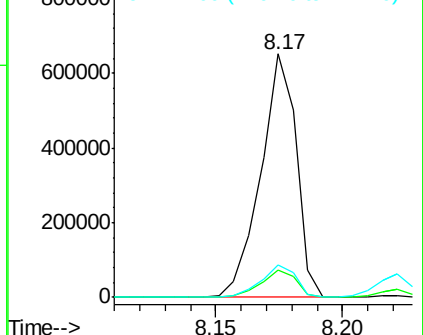
#31
Naphthalene
Concen: 36.65 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

Tgt Ion:128 Resp: 641624
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.2 10.9 16.3

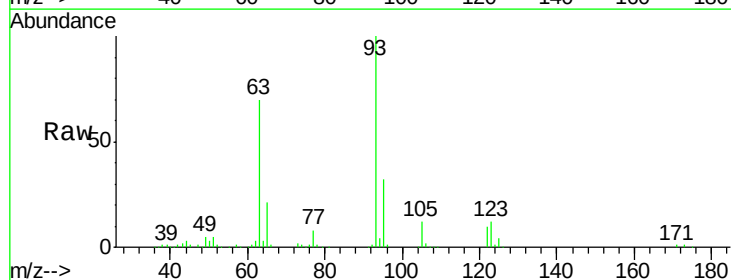


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

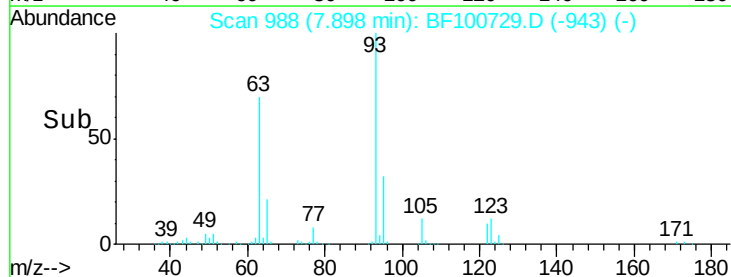
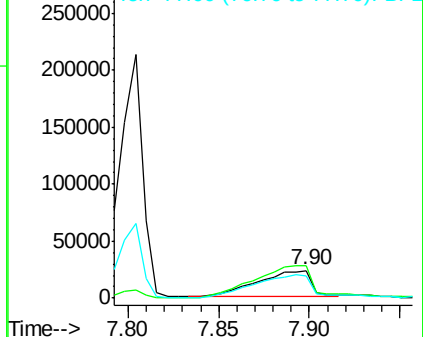


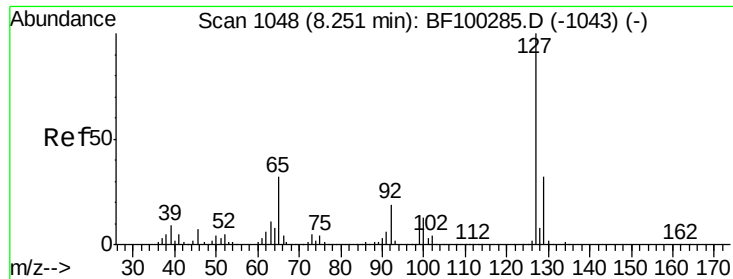
#32
Benzoic acid
Concen: 19.23 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.04 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion:122 Resp: 48574
Ion Ratio Lower Upper
122 100
105 115.2 101.1 141.1
77 80.3 70.7 110.7



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): BF1

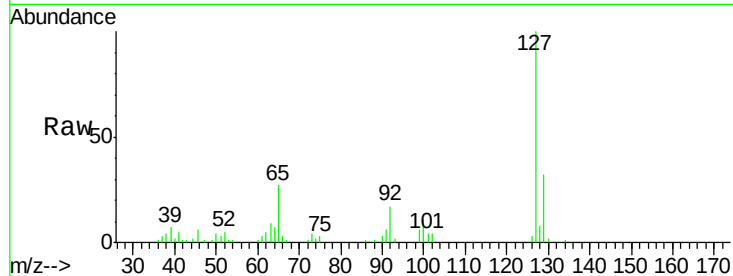




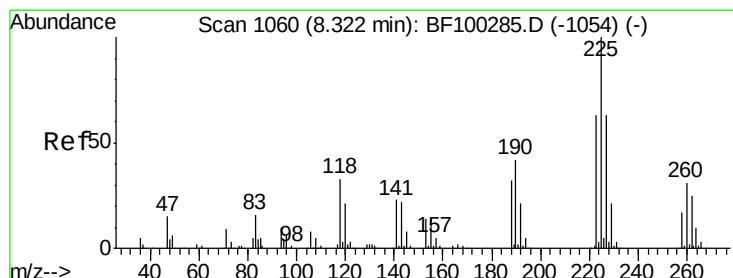
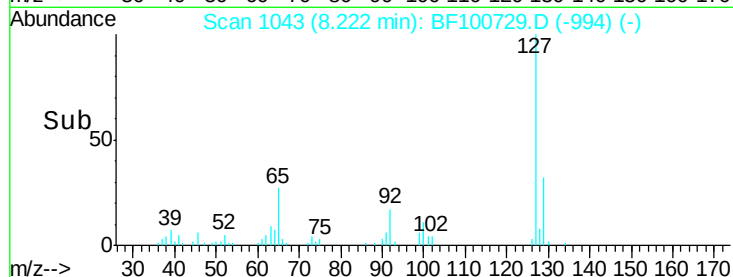
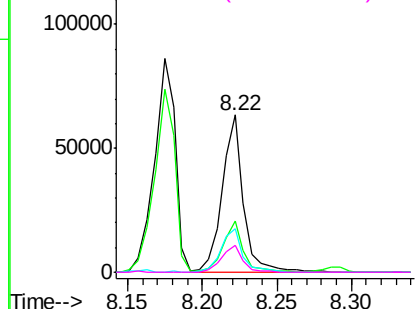
#33
4-Chloroaniline
Concen: 8.69 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

Tgt Ion:	127	Resp:	63352
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	27.4	25.0	37.4
92	17.4	15.2	22.8

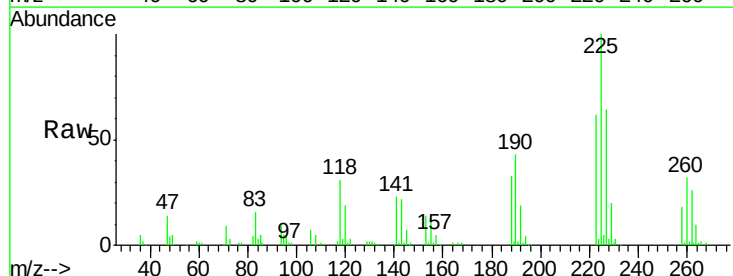


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

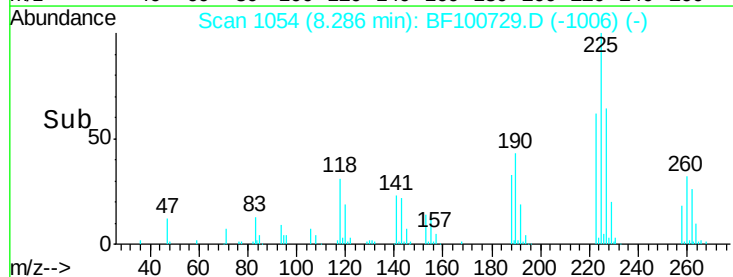
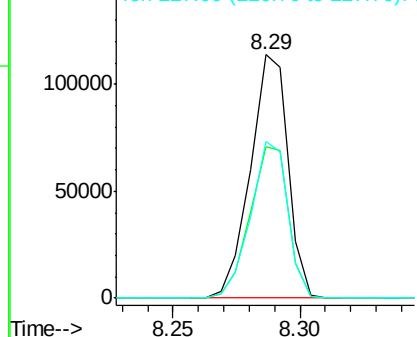


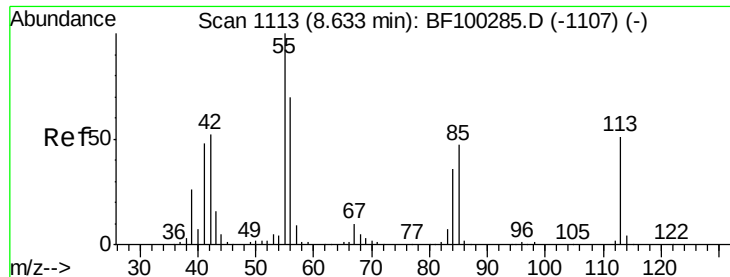
#34
Hexachlorobutadiene
Concen: 36.98 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion:	225	Resp:	117567
Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.6	76.0
227	64.1	51.9	77.9



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

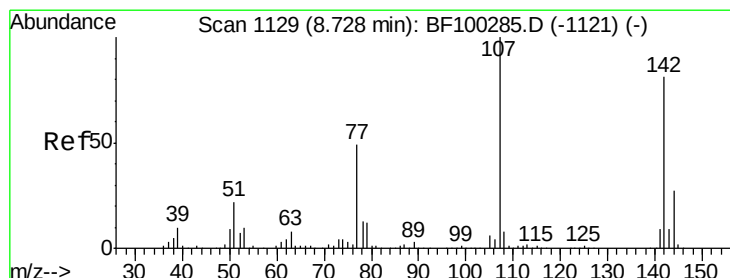
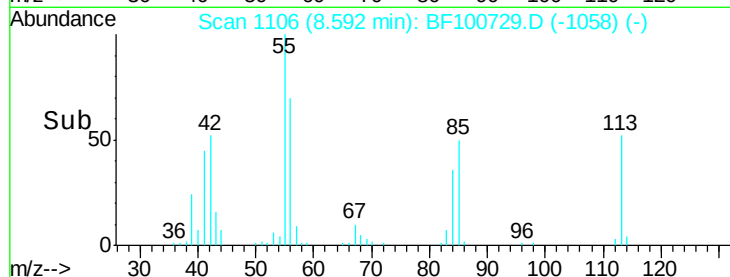
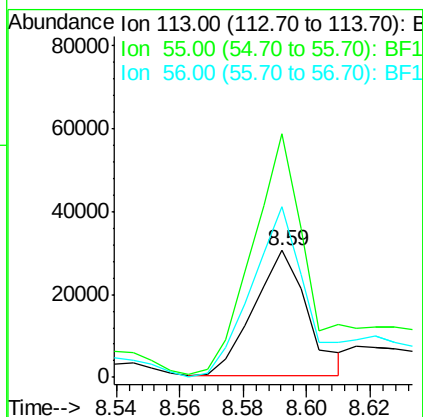
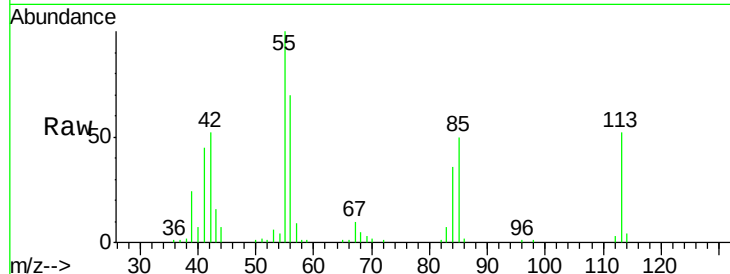




#35
 Caprolactam
 Concen: 21.21 ng
 RT: 8.59 min Scan# 1106
 Delta R.T. -0.02 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

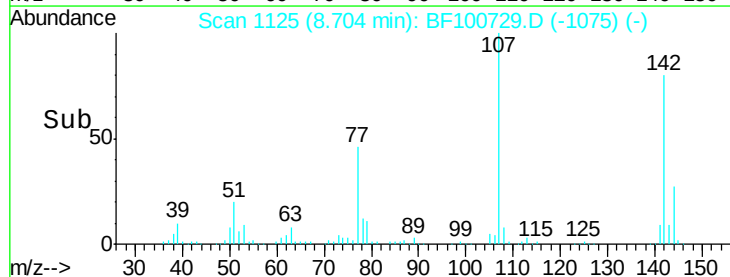
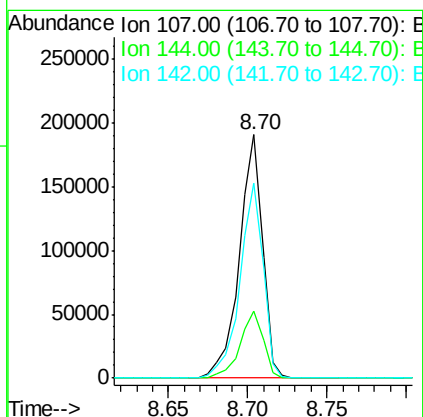
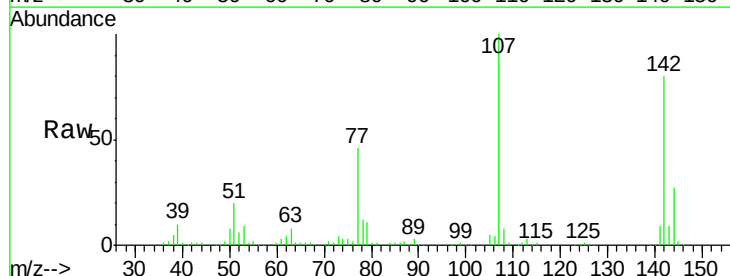
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

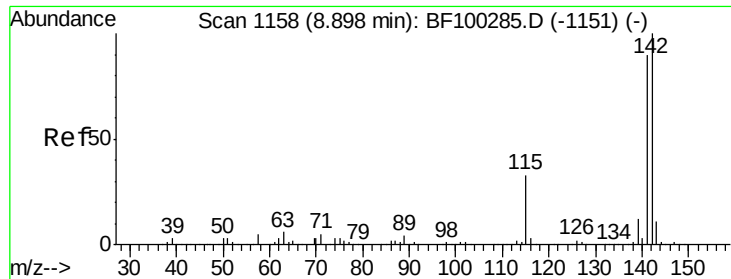
Tgt Ion:113 Resp: 35981
 Ion Ratio Lower Upper
 113 100
 55 191.8 163.3 203.3
 56 134.1 115.7 155.7



#36
 4-Chloro-3-methylphenol
 Concen: 36.39 ng
 RT: 8.70 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion:107 Resp: 193185
 Ion Ratio Lower Upper
 107 100
 144 27.3 20.5 30.7
 142 80.2 62.0 93.0

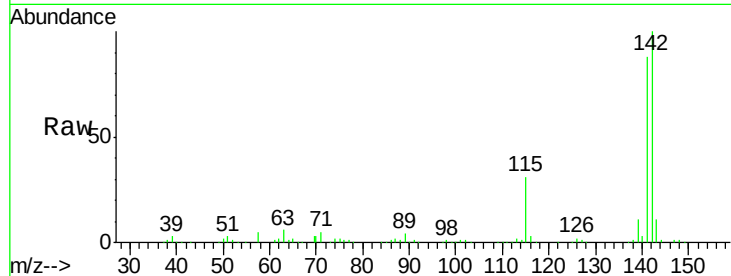




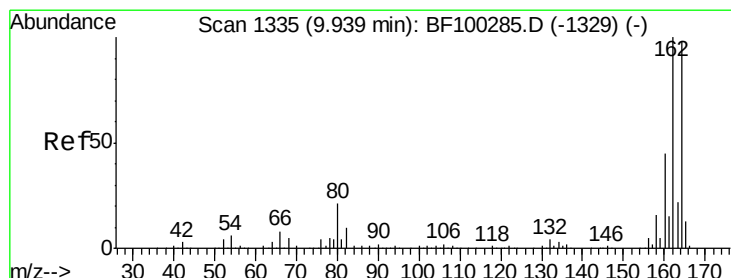
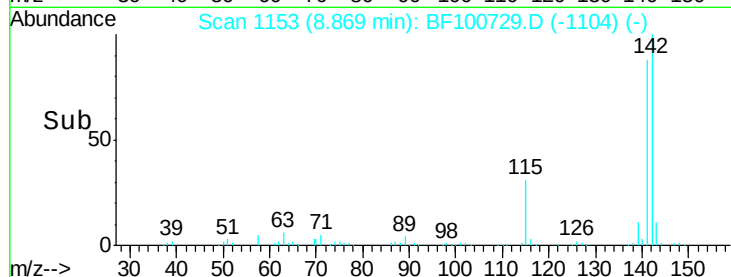
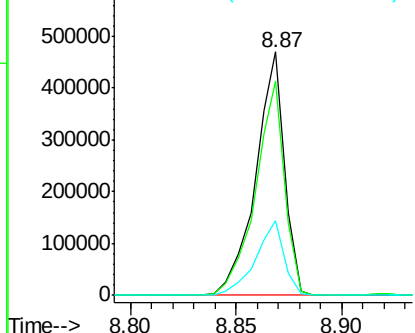
#37
 2-Methylnaphthalene
 Concen: 38.29 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

Tgt Ion:142 Resp: 444984
 Ion Ratio Lower Upper
 142 100
 141 88.1 70.8 106.2
 115 30.7 26.1 39.1

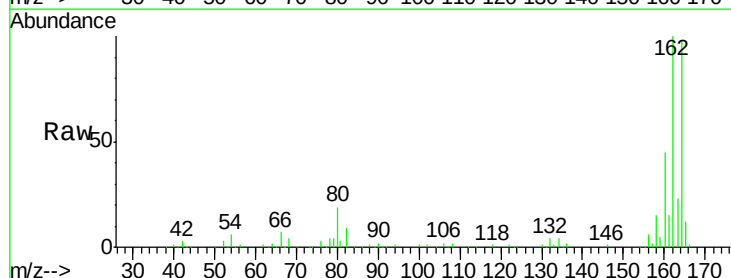


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

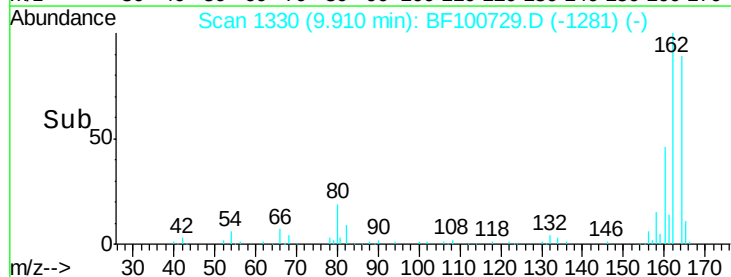
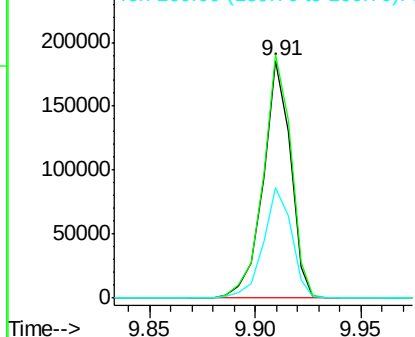


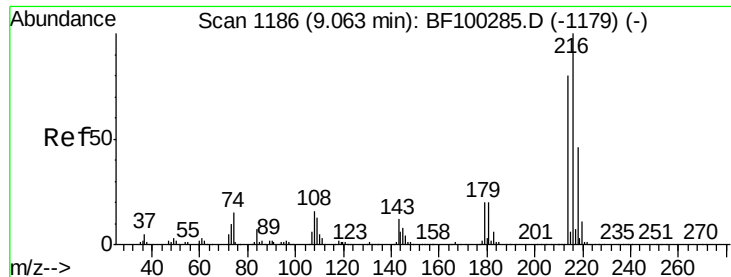
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion:164 Resp: 167974
 Ion Ratio Lower Upper
 164 100
 162 102.4 86.1 129.1
 160 46.3 38.3 57.5



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

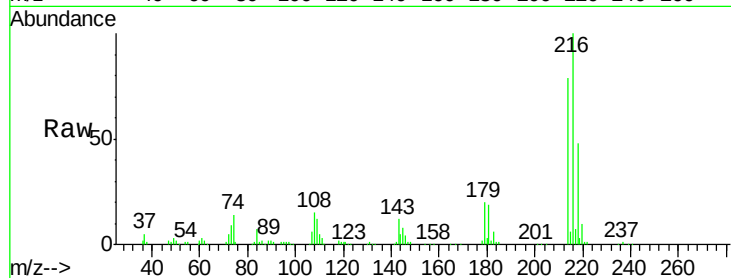




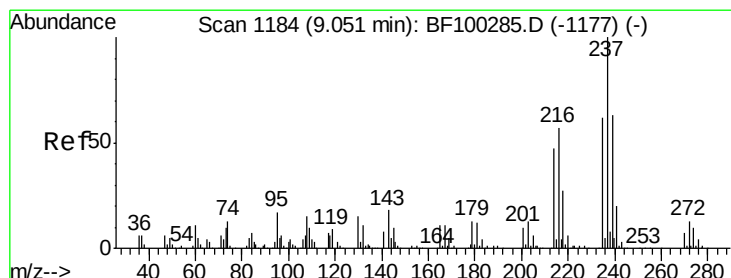
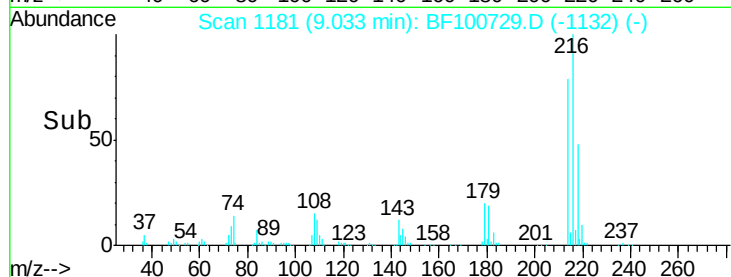
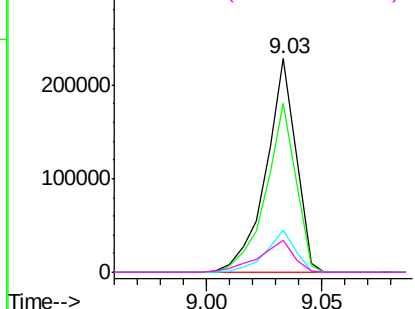
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 36.99 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

Tgt Ion:	216	Resp:	206088
Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.0	94.4
179	19.6	18.1	27.1
108	17.4	17.2	25.8

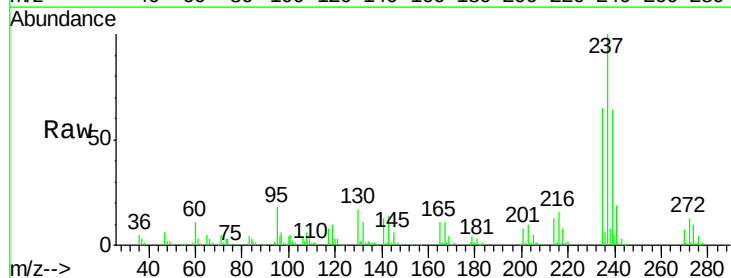


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

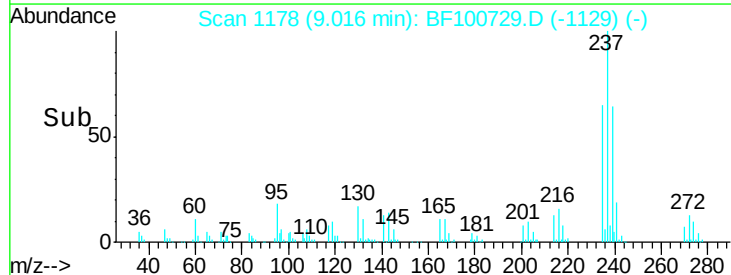
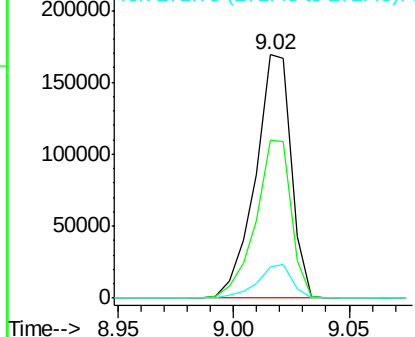


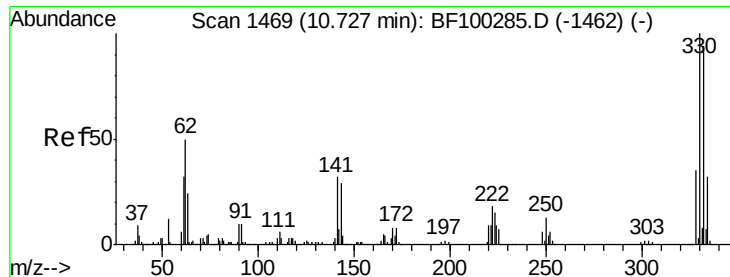
#40
 Hexachlorocyclopentadiene
 Concen: 70.02 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion:	237	Resp:	183598
Ion	Ratio	Lower	Upper
237	100		
235	64.8	44.8	84.8
272	12.9	0.0	33.3



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

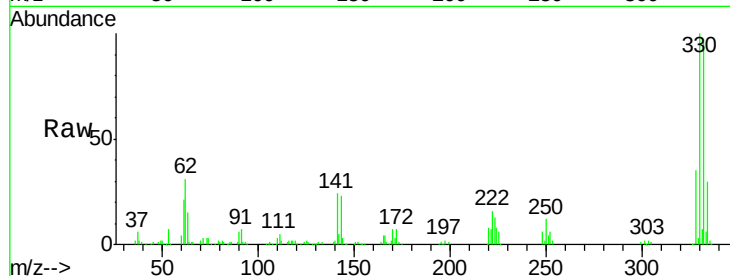




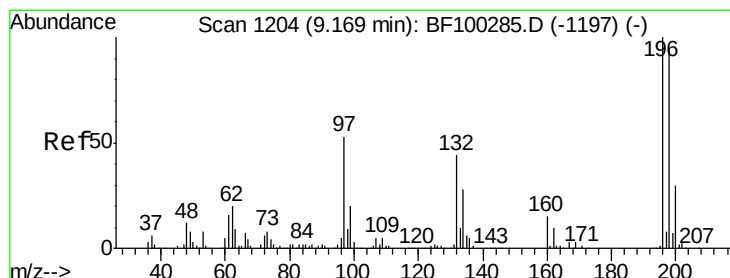
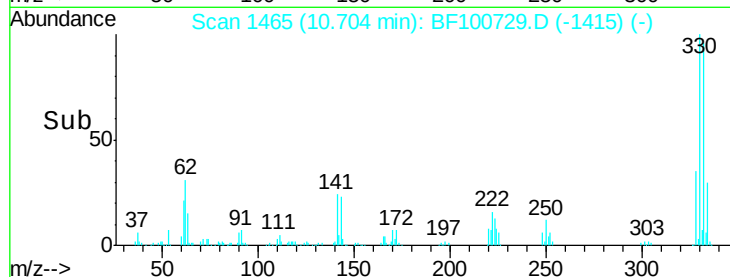
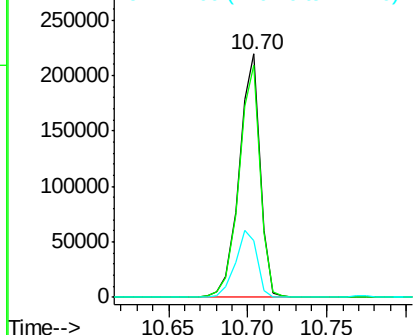
#41
 2,4,6-Tribromophenol
 Concen: 117.02 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	28.8	29.9	44.9

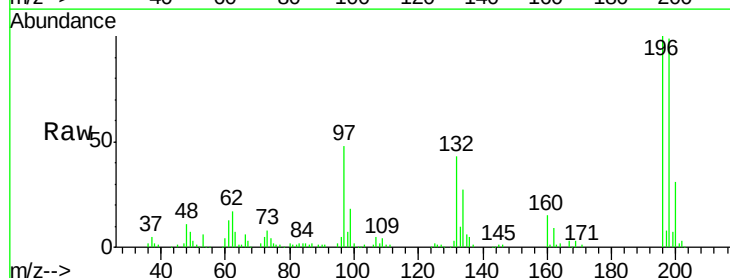


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

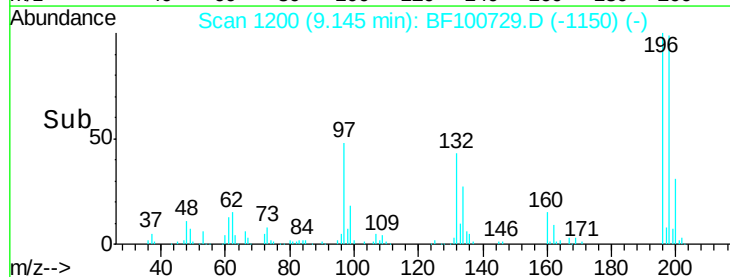
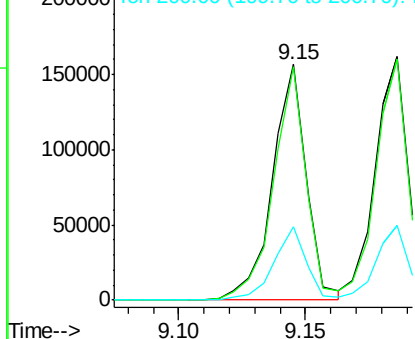


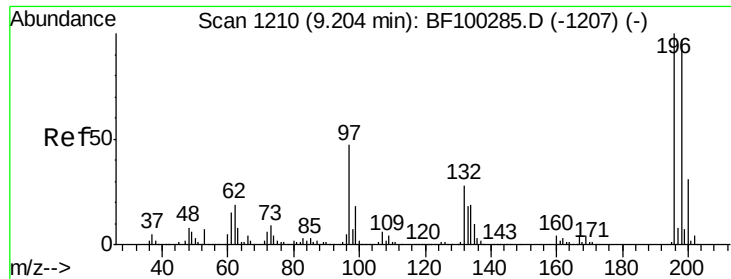
#42
 2,4,6-Trichlorophenol
 Concen: 40.94 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion	Ratio	Lower	Upper
196	100		
198	98.7	75.7	113.5
200	31.4	24.5	36.7



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

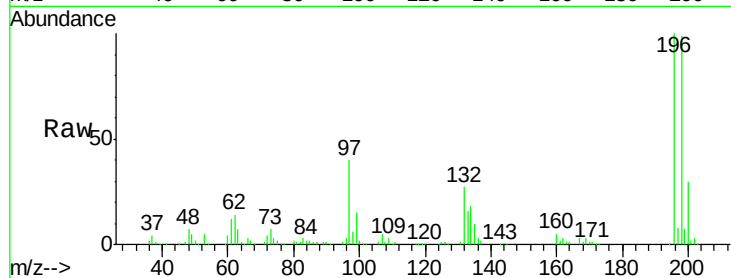




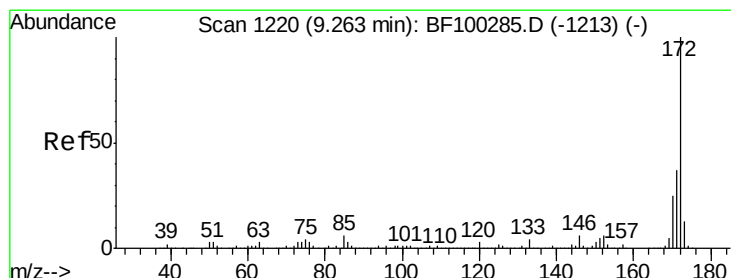
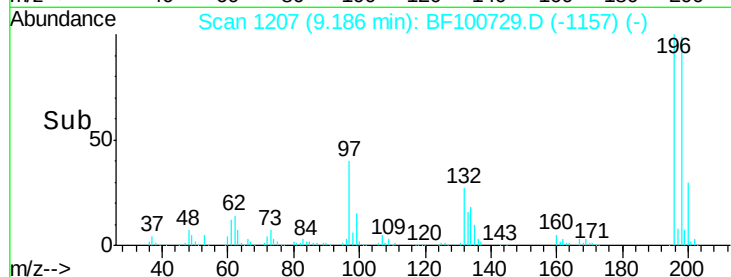
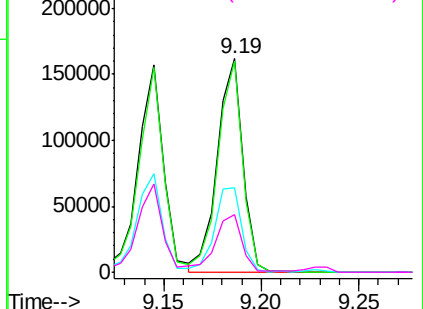
#43
 2,4,5-Trichlorophenol
 Concen: 40.16 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

Tgt Ion:	196	Resp:	146910
Ion	Ratio	Lower	Upper
196	100		
198	98.8	74.6	112.0
97	39.7	42.9	64.3#
132	26.7	26.3	39.5

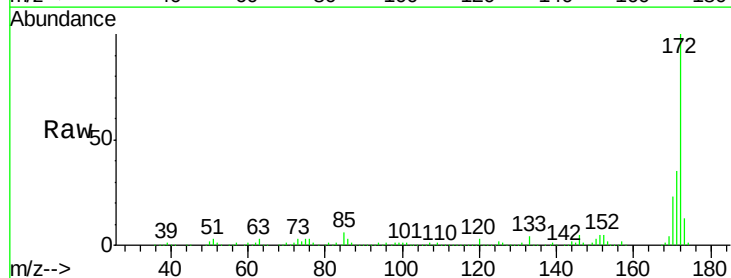


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

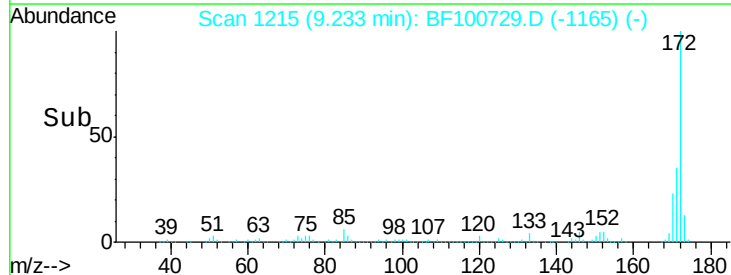
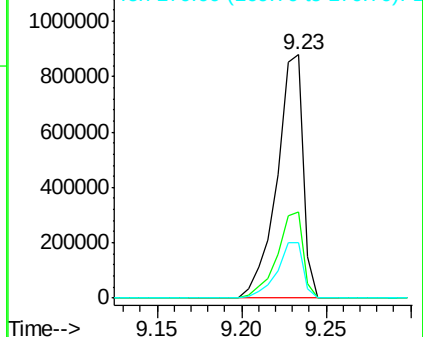


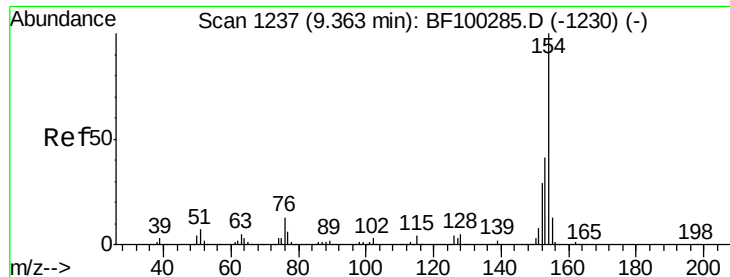
#44
 2-Fluorobiphenyl
 Concen: 86.05 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion:	172	Resp:	949227
Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.0	19.6	29.4



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: 36.52 ng

RT: 9.33 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

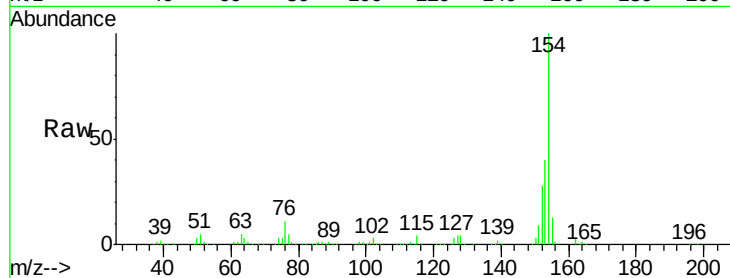
Tgt Ion:154 Resp: 530604

Ion Ratio Lower Upper

154 100

153 40.5 21.3 61.3

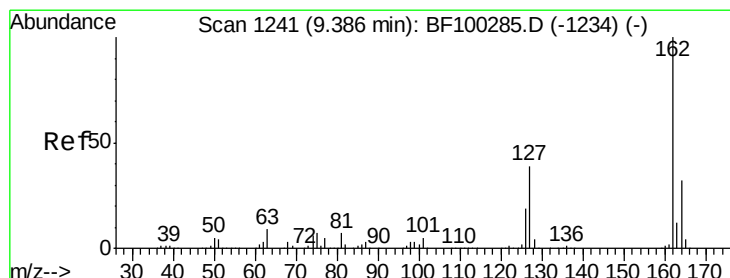
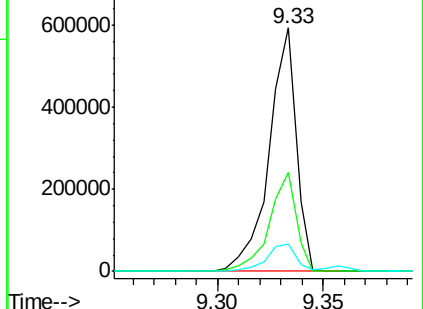
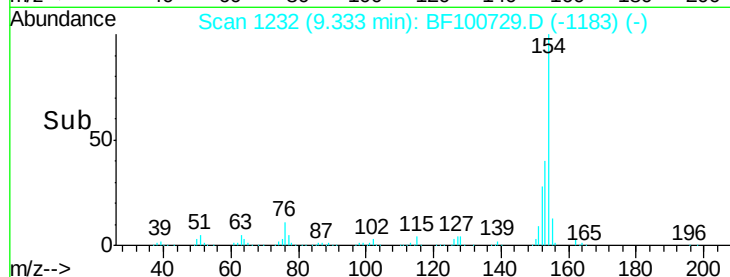
76 11.0 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#46

2-Chloronaphthalene

Concen: 39.42 ng

RT: 9.36 min Scan# 1236

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

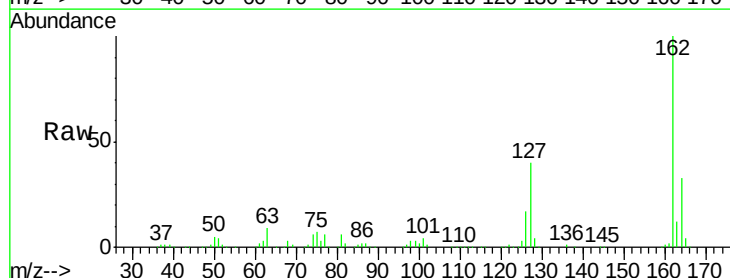
Tgt Ion:162 Resp: 415418

Ion Ratio Lower Upper

162 100

127 39.5 33.9 50.9

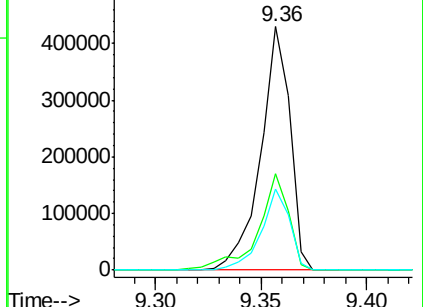
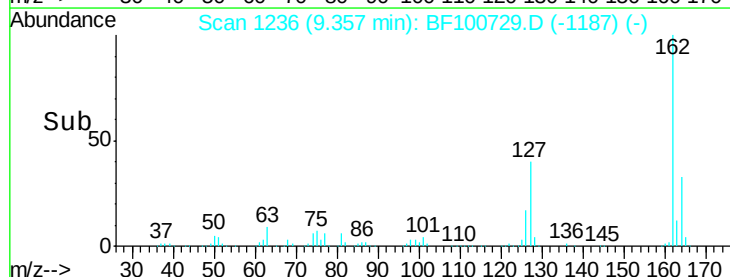
164 33.1 26.5 39.7

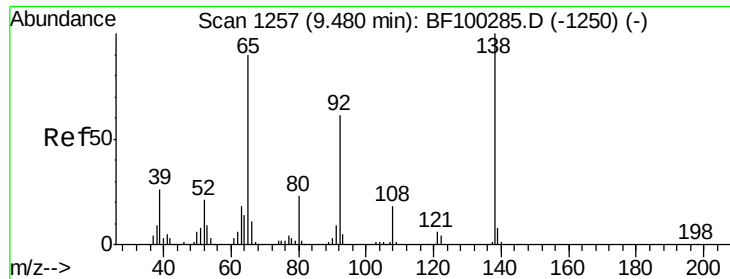


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

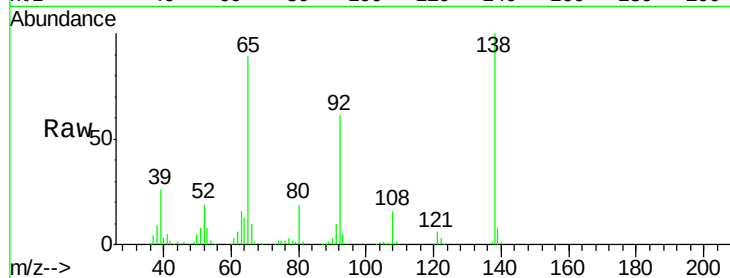




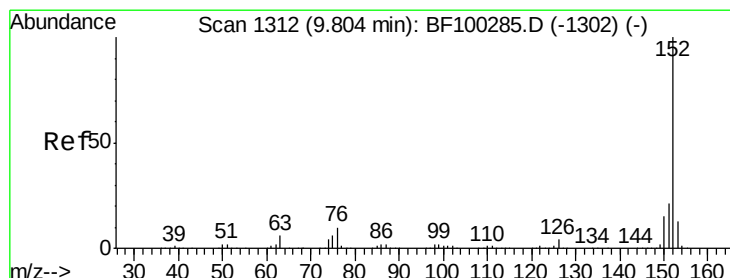
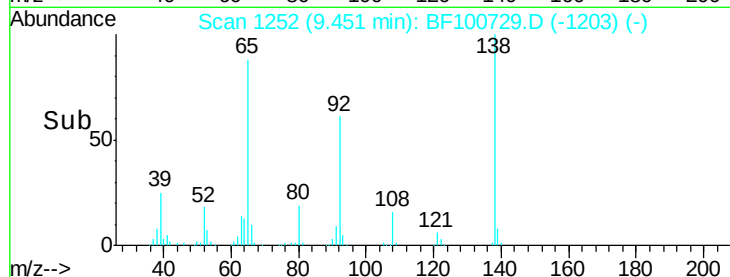
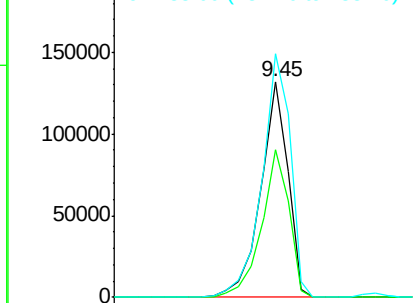
#47
2-Nitroaniline
Concen: 38.72 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.4	55.8	83.6
138	112.8	91.2	136.8

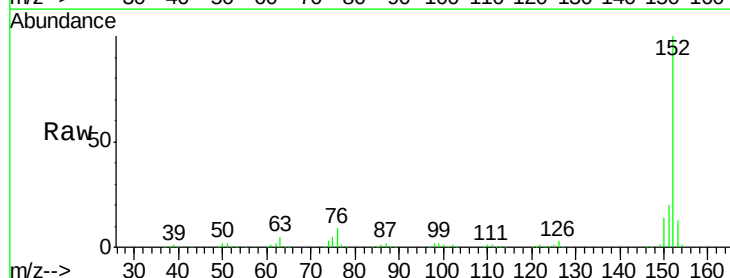


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

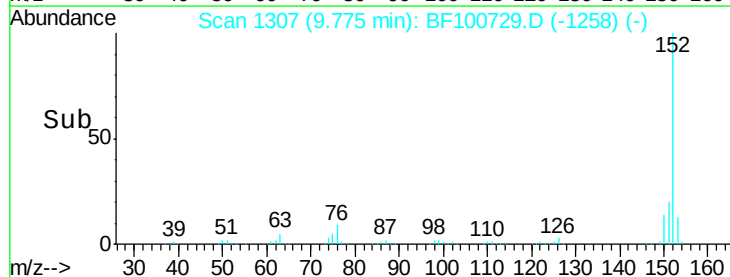
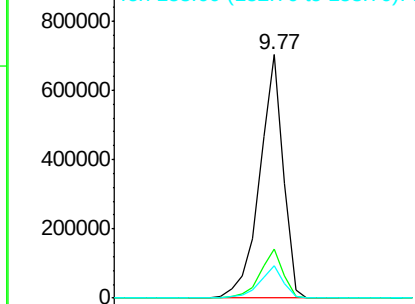


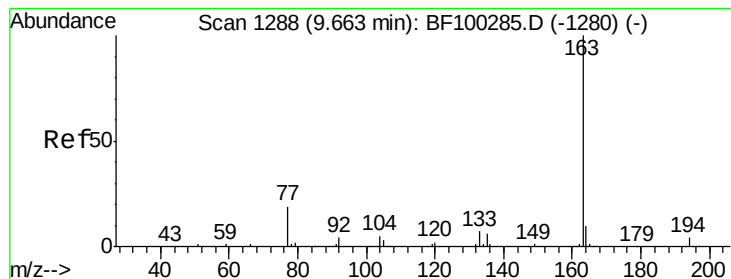
#48
Acenaphthylene
Concen: 36.23 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.3	24.5
153	13.2	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): BF1
Ion 151.00 (150.70 to 151.70): BF1
Ion 153.00 (152.70 to 153.70): BF1





#49

Dimethylphthalate

Concen: 36.66 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

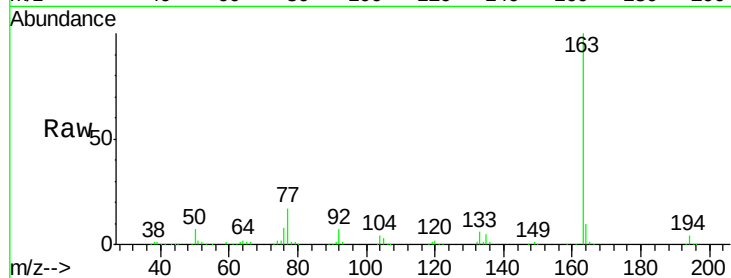
Tgt Ion:163 Resp: 470102

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

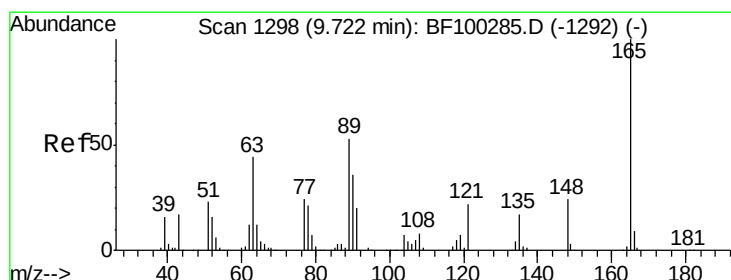
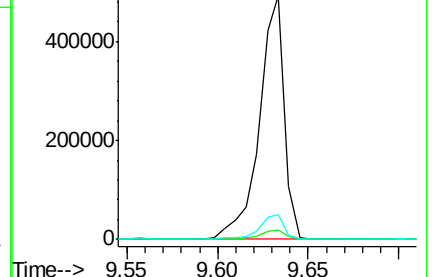
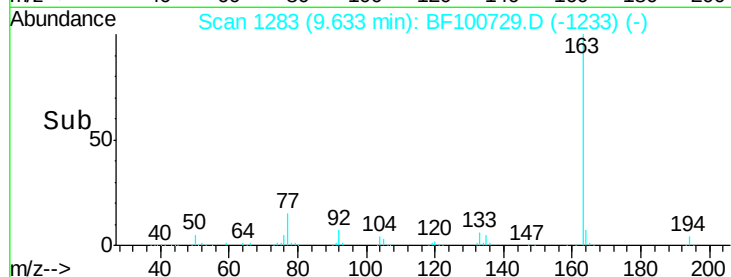
164 10.1 8.2 12.2



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: 42.47 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

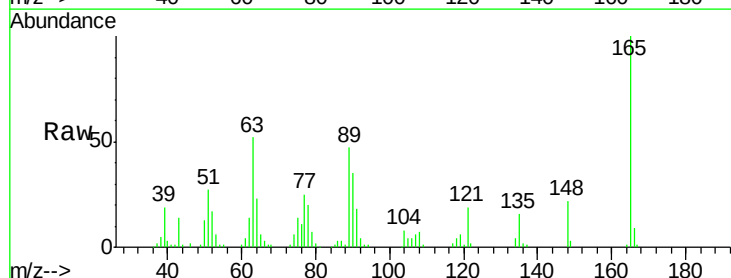
Tgt Ion:165 Resp: 107824

Ion Ratio Lower Upper

165 100

63 51.9 44.7 67.1

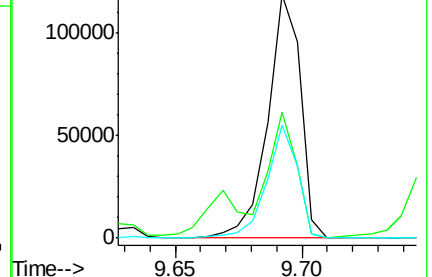
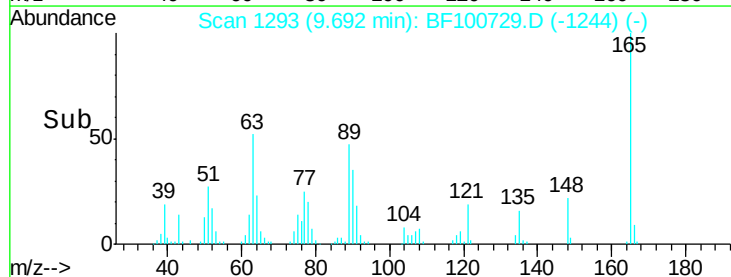
89 46.6 44.0 66.0

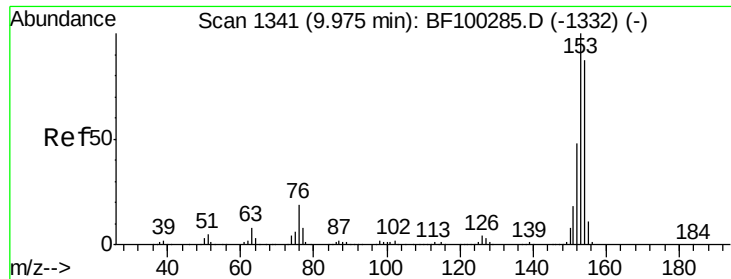


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 36.94 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

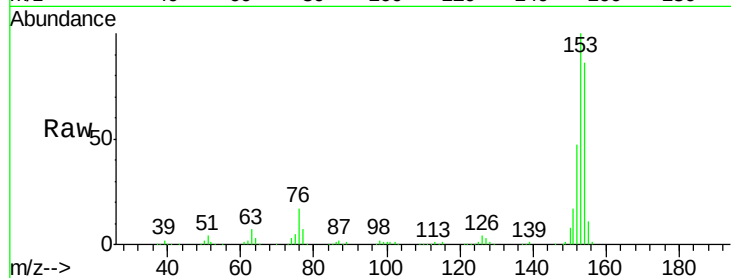
Tgt Ion:154 Resp: 392363

Ion Ratio Lower Upper

154 100

153 116.0 91.2 136.8

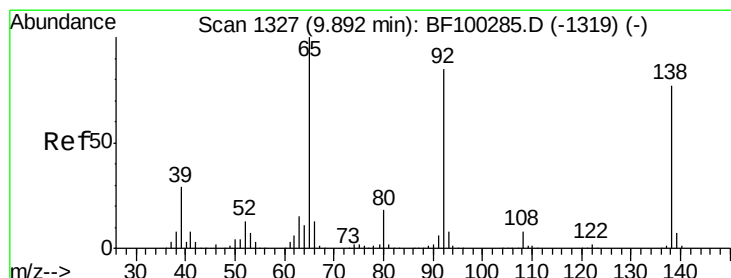
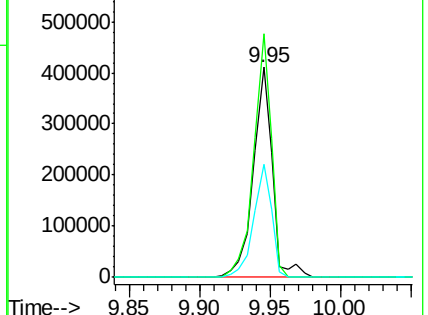
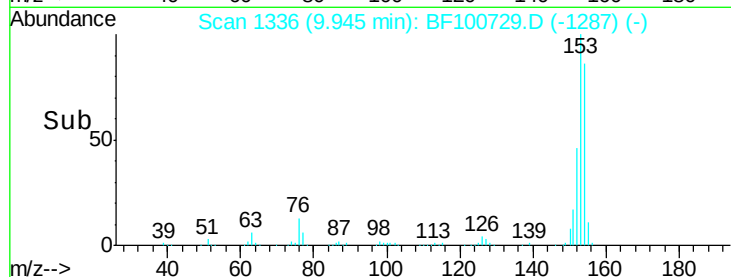
152 54.1 43.8 65.8



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: 17.50 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

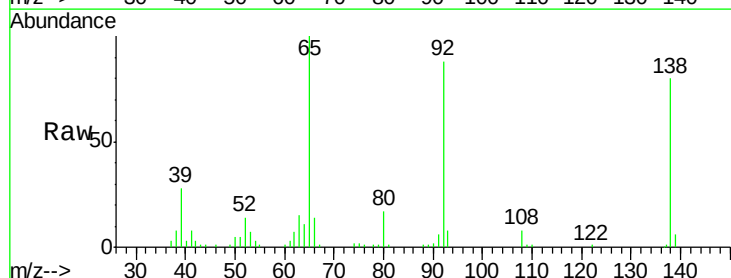
Tgt Ion:138 Resp: 52468

Ion Ratio Lower Upper

138 100

108 9.8 9.4 14.0

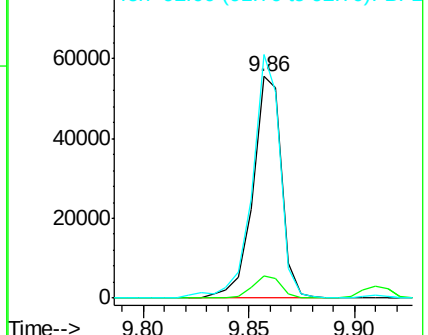
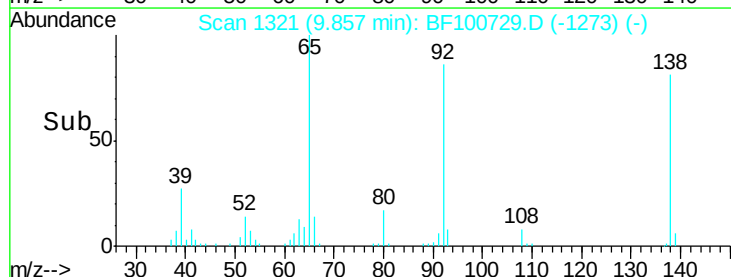
92 109.8 89.4 134.2

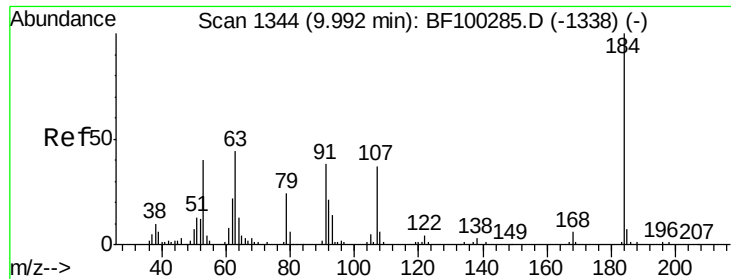


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

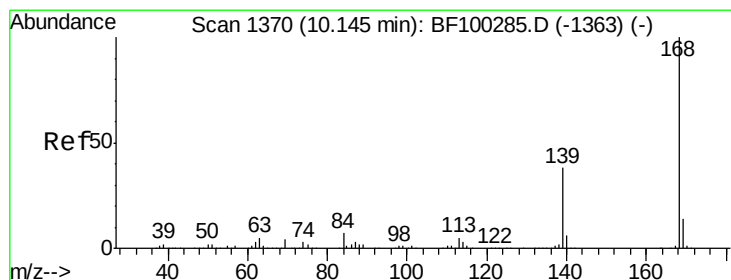
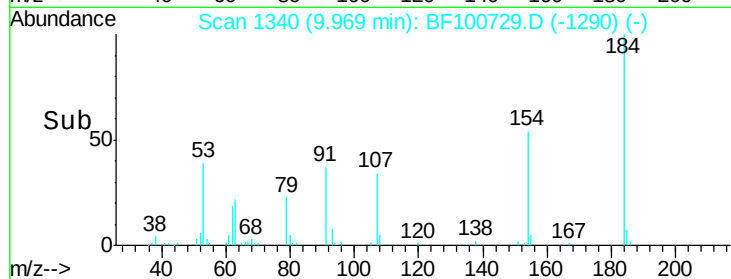
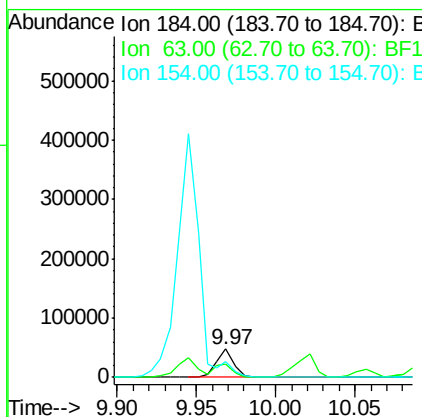
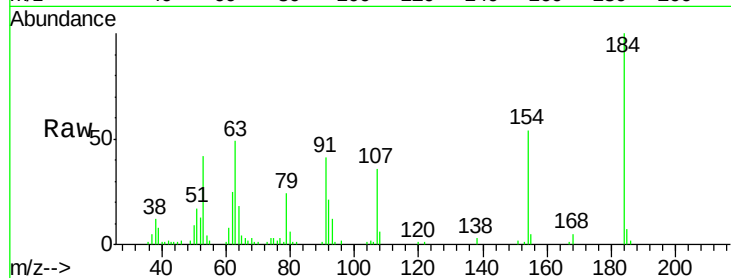




#53
 2,4-Dinitrophenol
 Concen: 44.89 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

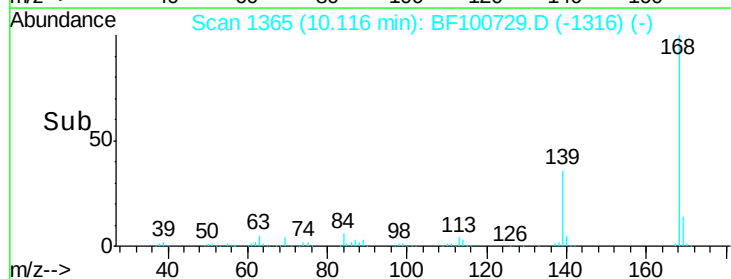
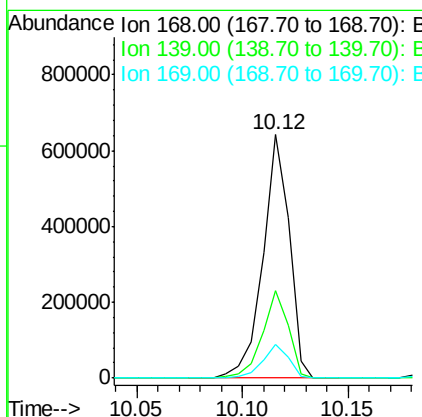
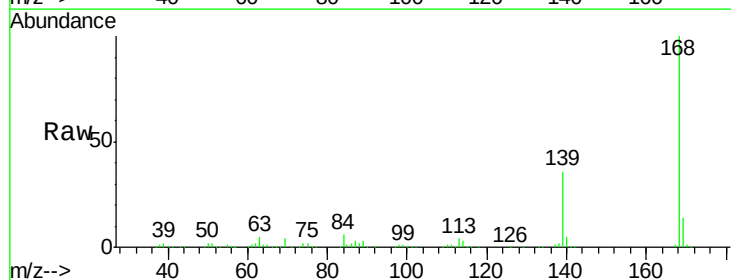
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

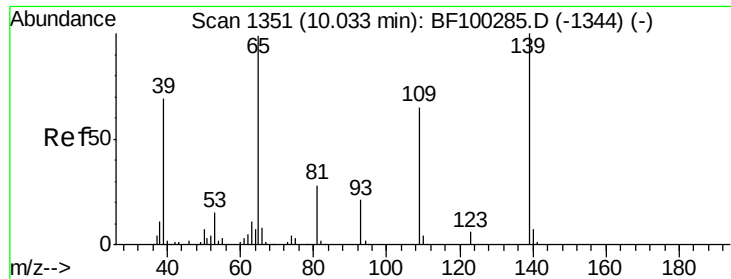
Tgt Ion:184 Resp: 37833
 Ion Ratio Lower Upper
 184 100
 63 48.5 54.2 81.2#
 154 54.1 184.0 276.0#



#54
 Dibenzofuran
 Concen: 37.50 ng
 RT: 10.12 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion:168 Resp: 558302
 Ion Ratio Lower Upper
 168 100
 139 36.0 30.1 45.1
 169 14.1 10.9 16.3





#55

4-Nitrophenol

Concen: 61.19 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

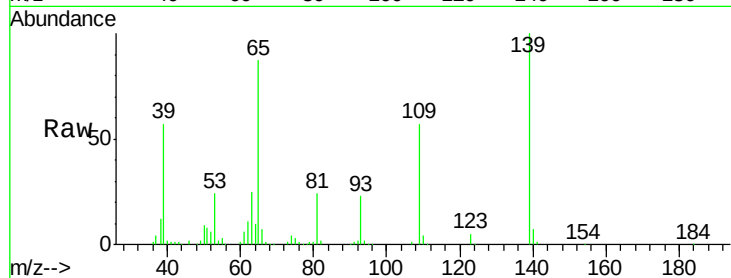
Tgt Ion:139 Resp: 148937

Ion Ratio Lower Upper

139 100

109 57.3 48.4 88.4

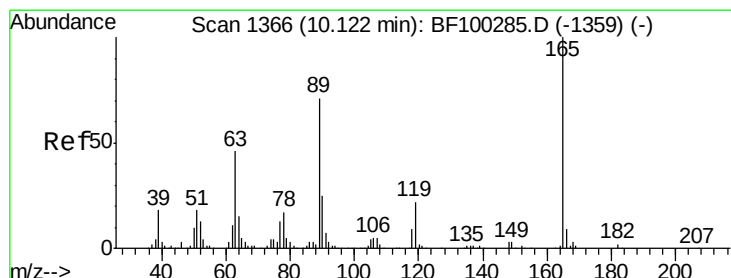
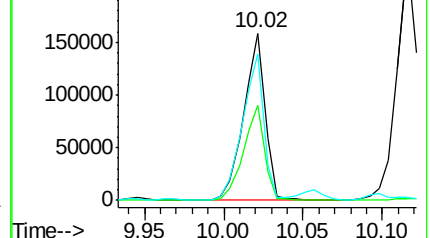
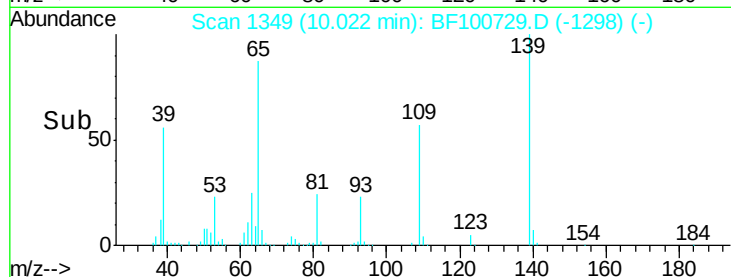
65 87.3 72.6 112.6



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): BF1



#56

2,4-Dinitrotoluene

Concen: 43.00 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Tgt Ion:165 Resp: 137717

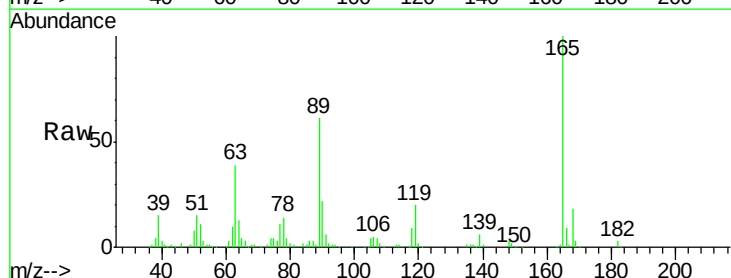
Ion Ratio Lower Upper

165 100

63 38.7 36.4 54.6

89 60.6 57.8 86.6

182 2.6 1.6 2.4#

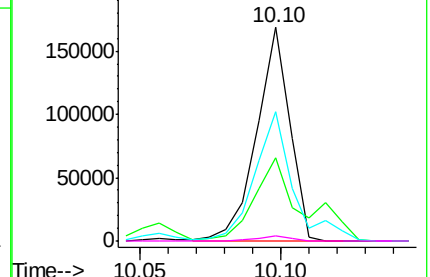
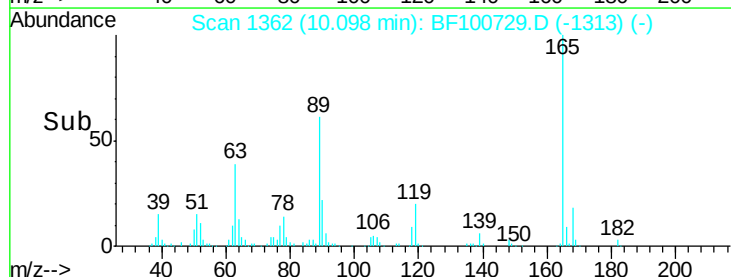


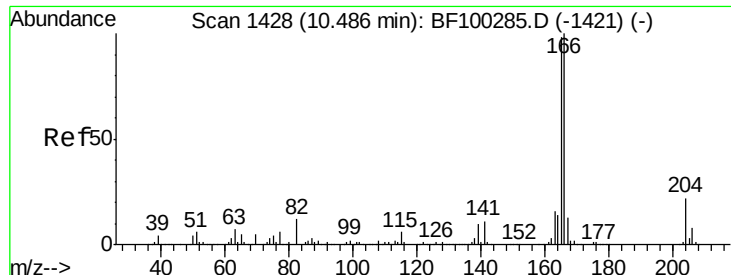
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

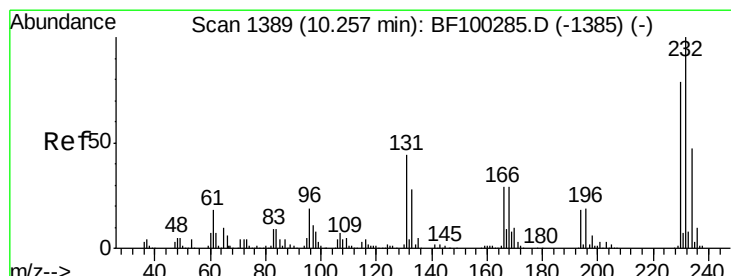
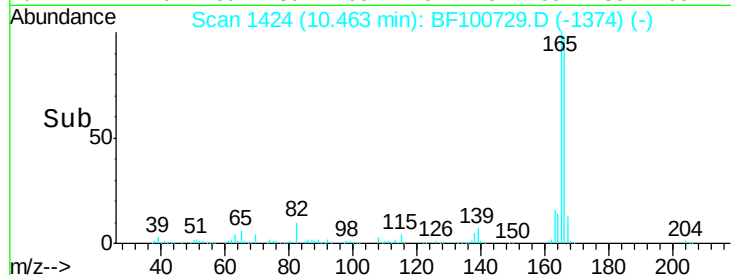
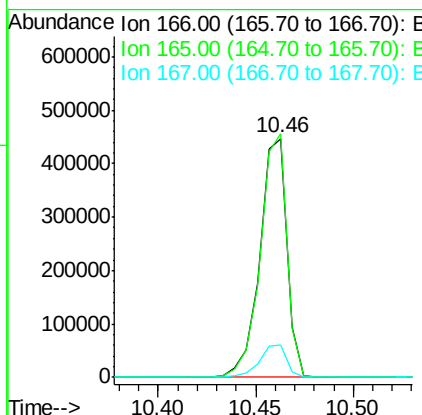
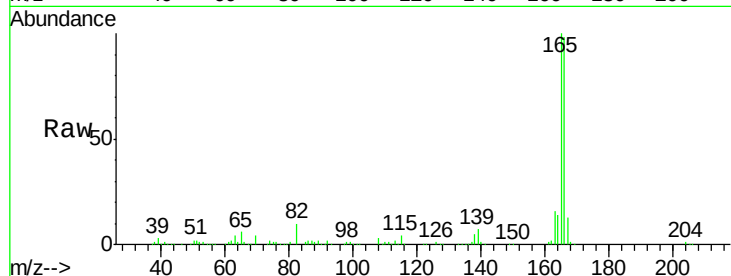




#57
 Fluorene
 Concen: 39.39 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

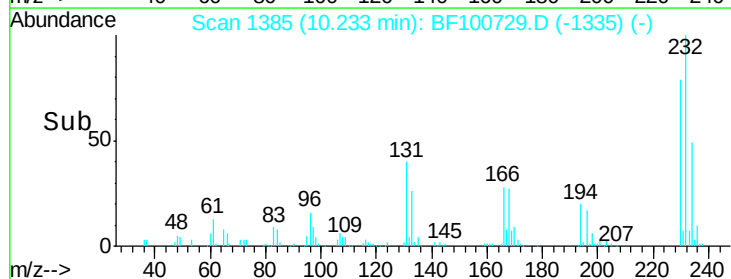
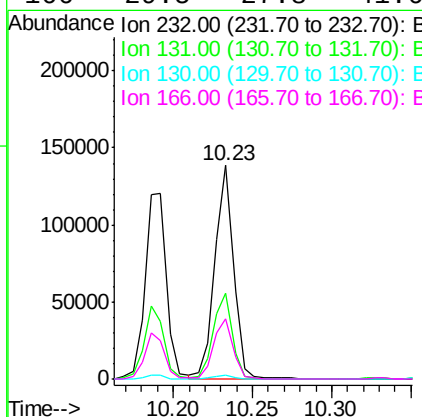
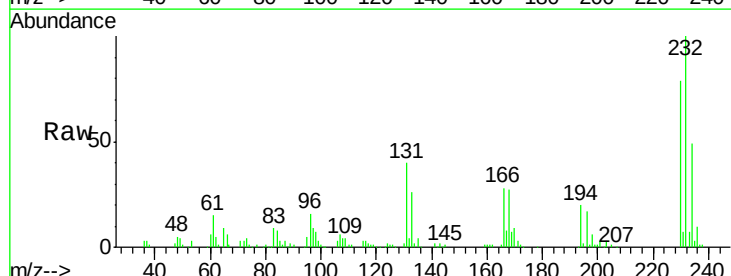
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

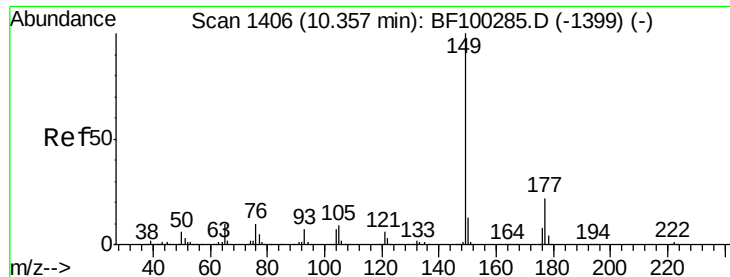
Tgt Ion:166 Resp: 429572
 Ion Ratio Lower Upper
 166 100
 165 102.0 79.8 119.8
 167 13.3 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 38.28 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion:232 Resp: 114771
 Ion Ratio Lower Upper
 232 100
 131 40.8 43.8 65.8#
 130 1.9 2.1 3.1#
 166 29.5 27.8 41.6

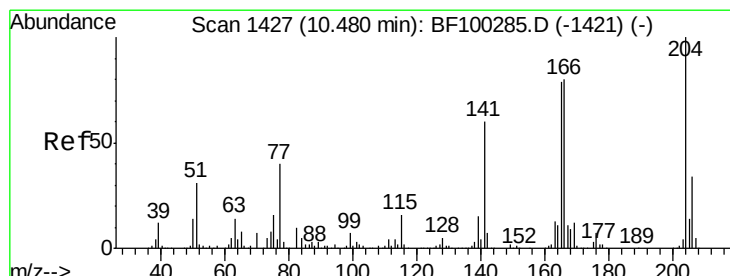
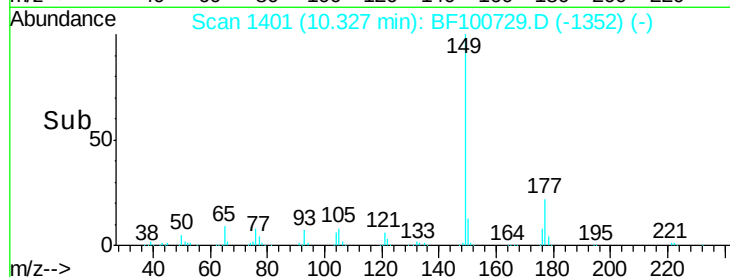
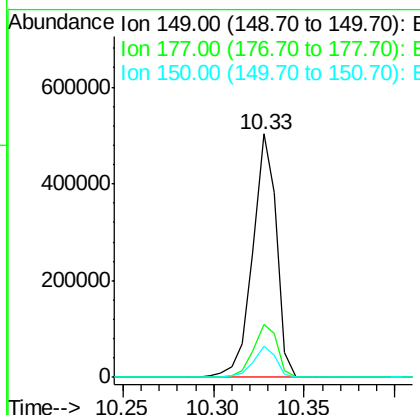
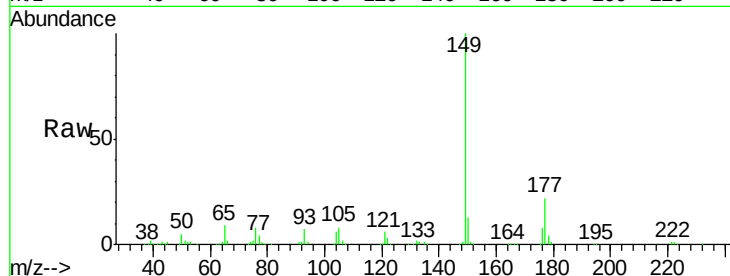




#59
Diethylphthalate
Concen: 35.58 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

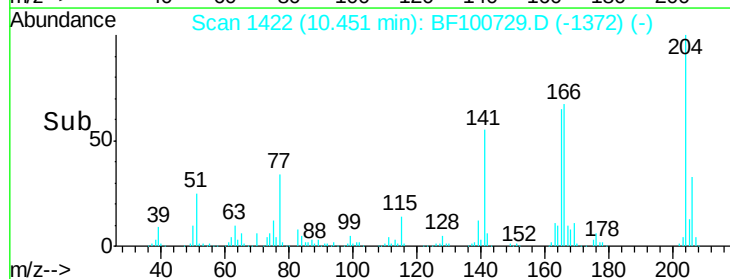
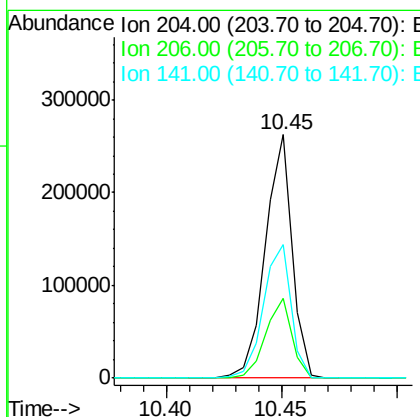
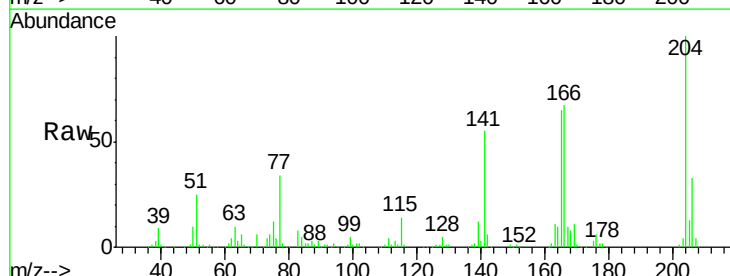
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

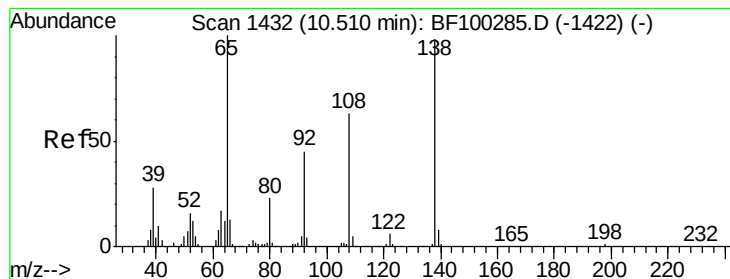
Tgt Ion:149 Resp: 456657
Ion Ratio Lower Upper
149 100
177 21.9 16.1 24.1
150 12.5 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 39.52 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion:204 Resp: 211425
Ion Ratio Lower Upper
204 100
206 32.7 26.5 39.7
141 54.8 54.6 81.8





#61

4-Nitroaniline

Concen: 34.17 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

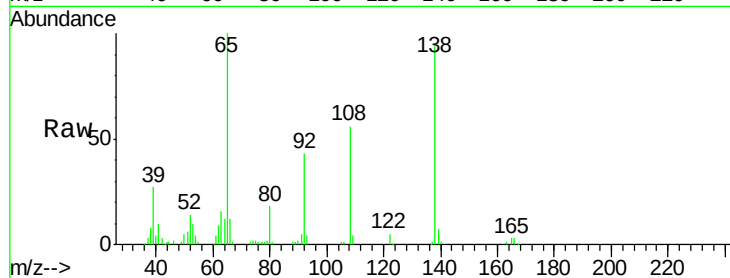
Tgt Ion:138 Resp: 97142

Ion Ratio Lower Upper

138 100

92 45.3 30.2 70.2

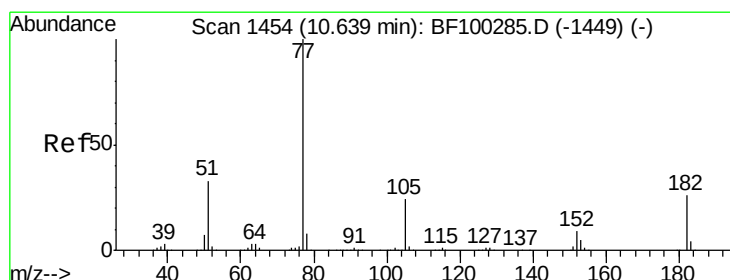
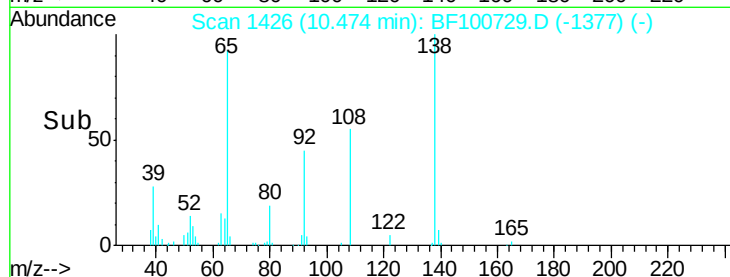
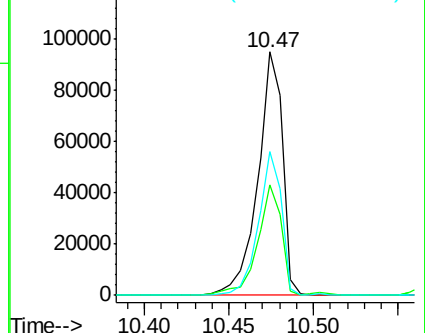
108 58.9 52.5 92.5



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 33.56 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Tgt Ion: 77 Resp: 405648

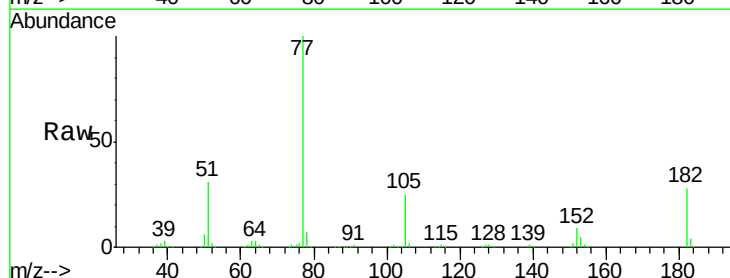
Ion Ratio Lower Upper

77 100

182 28.2 1.7 41.7

105 24.7 3.0 43.0

51 30.5 9.9 49.9

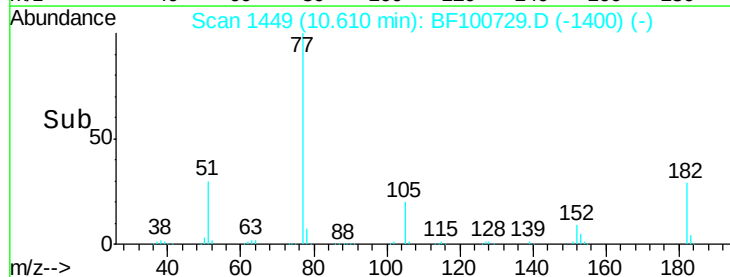
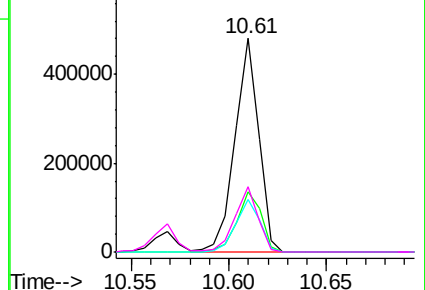


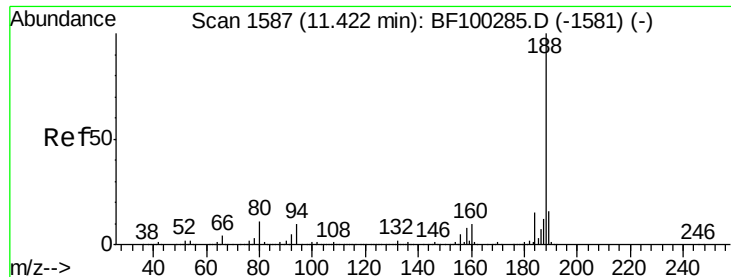
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1

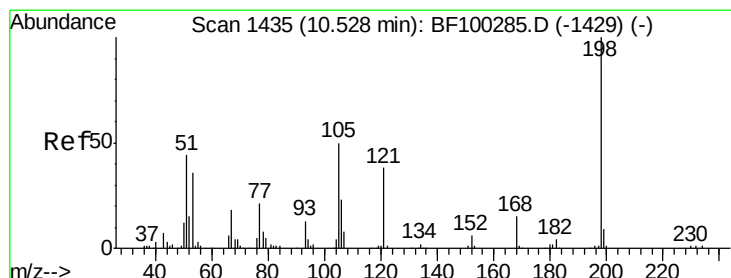
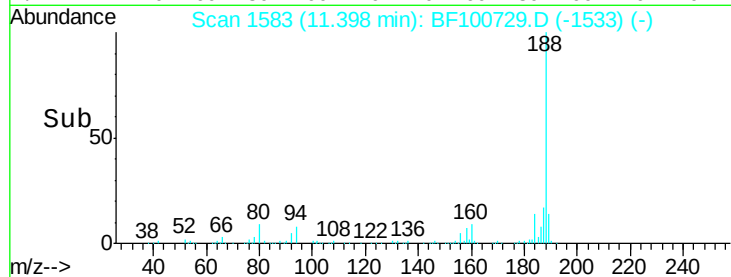
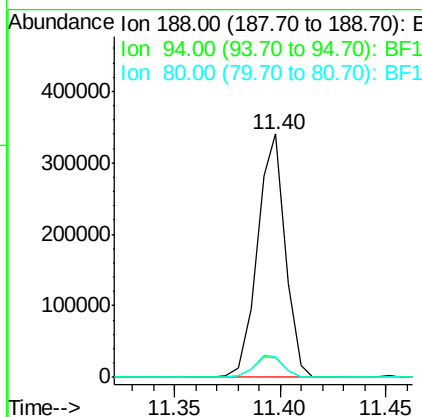
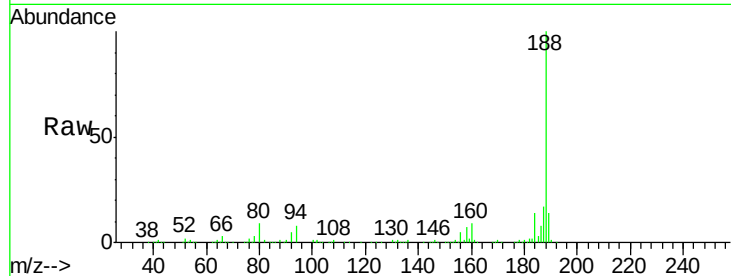




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

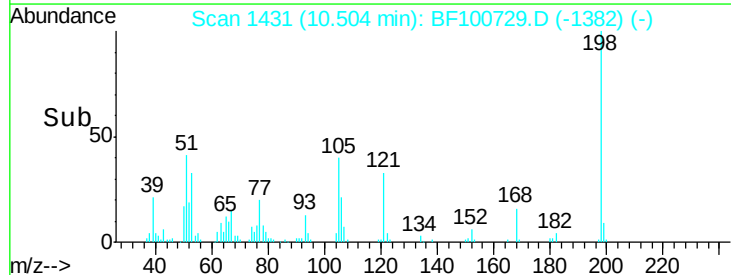
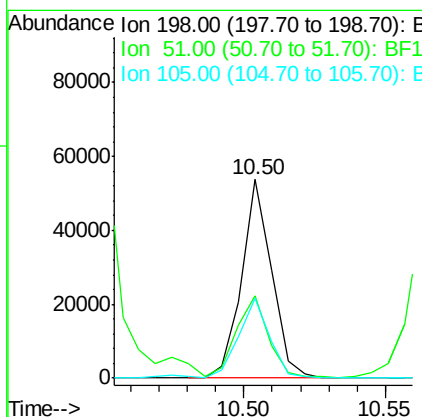
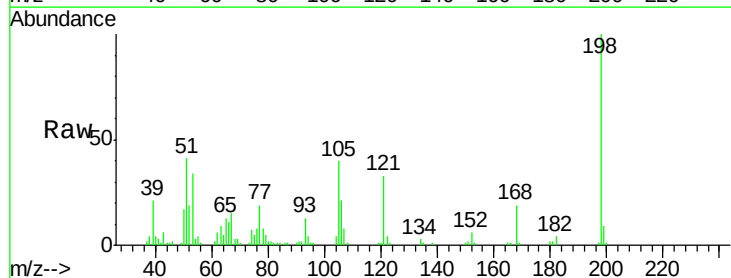
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

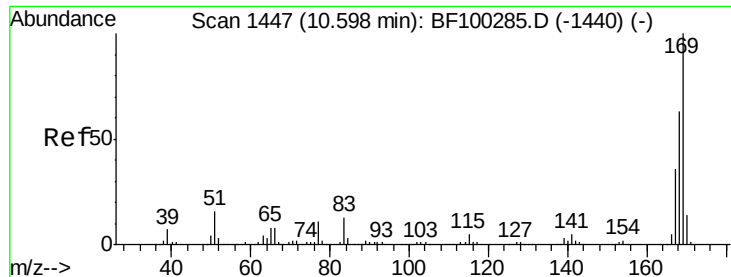
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.8	9.2	13.8#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 29.32 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion	Ratio	Lower	Upper
198	100		
51	41.2	37.7	77.7
105	40.1	36.3	76.3

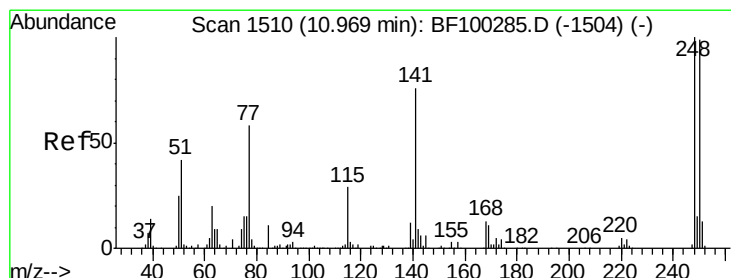
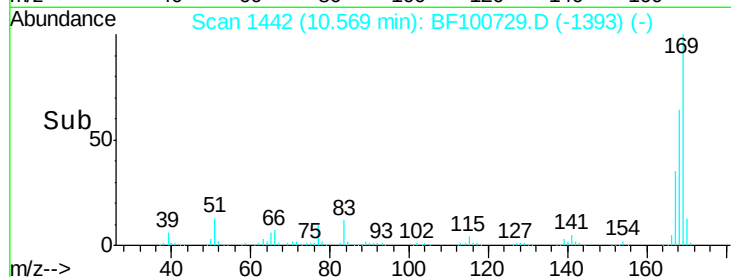
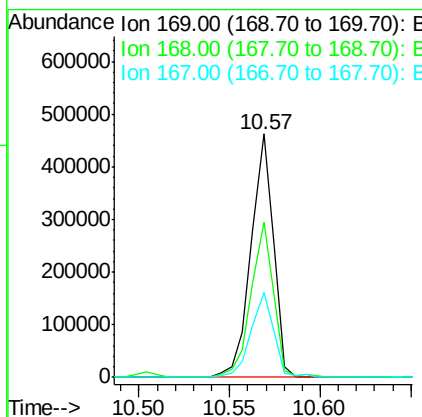
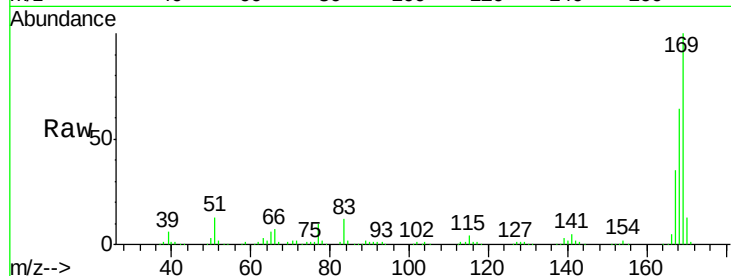




#65
 n-Nitrosodiphenylamine
 Concen: 36.75 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

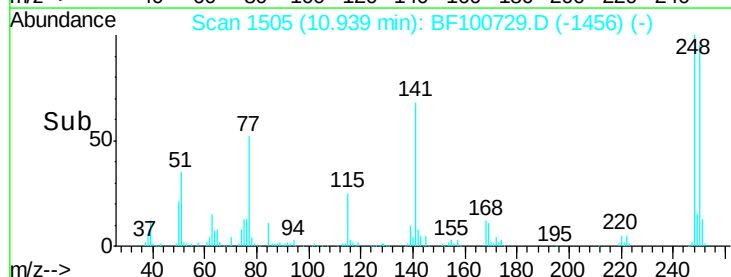
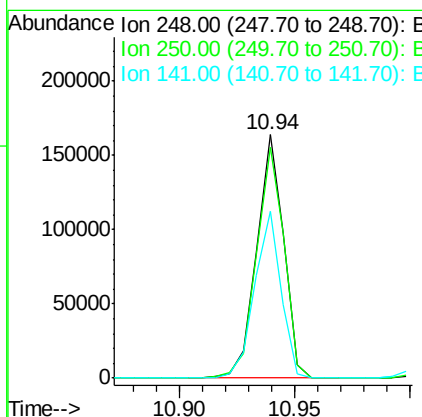
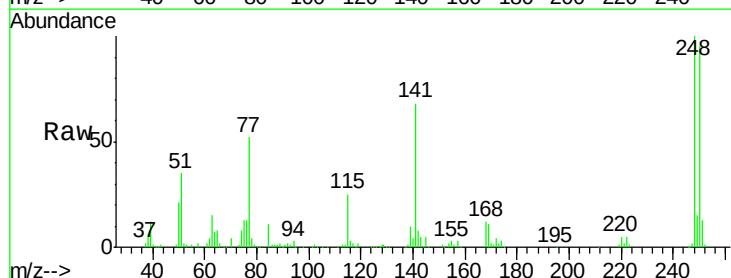
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

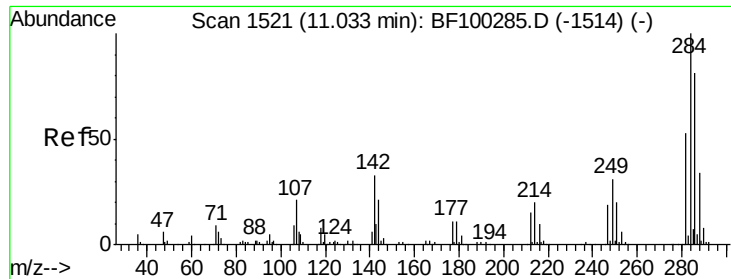
Tgt Ion:169 Resp: 398268
 Ion Ratio Lower Upper
 169 100
 168 63.9 54.4 81.6
 167 34.6 29.8 44.6



#66
 4-Bromophenyl-phenylether
 Concen: 39.99 ng
 RT: 10.94 min Scan# 1505
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion:248 Resp: 133609
 Ion Ratio Lower Upper
 248 100
 250 94.9 76.9 115.3
 141 68.5 74.4 111.6#

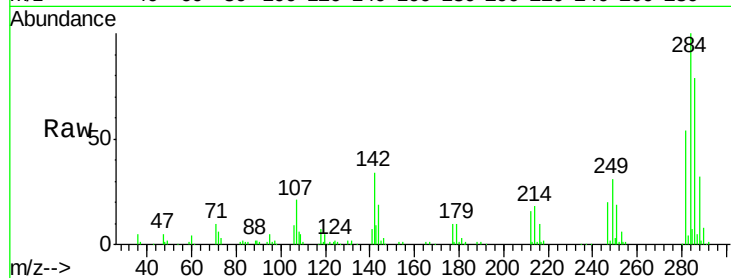




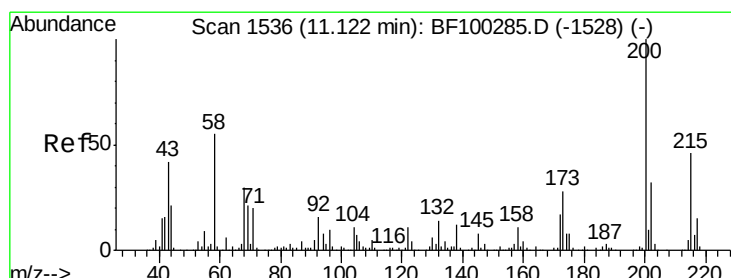
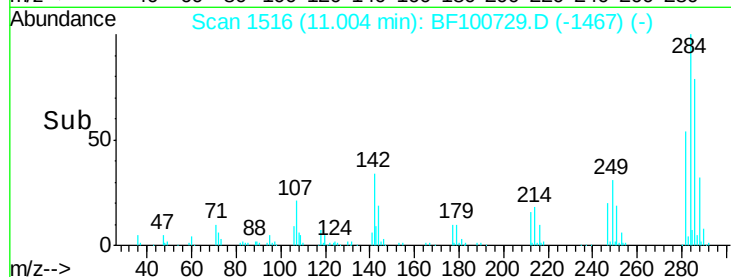
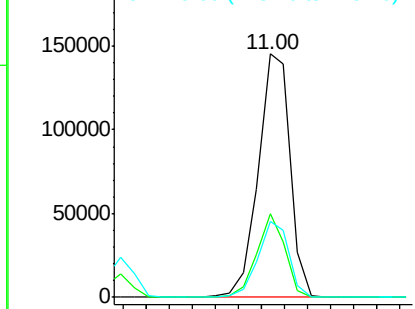
#67
Hexachlorobenzene
Concen: 39.97 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

Tgt Ion: 284 Resp: 139662
Ion Ratio Lower Upper
284 100
142 34.1 34.6 52.0#
249 30.9 24.8 37.2

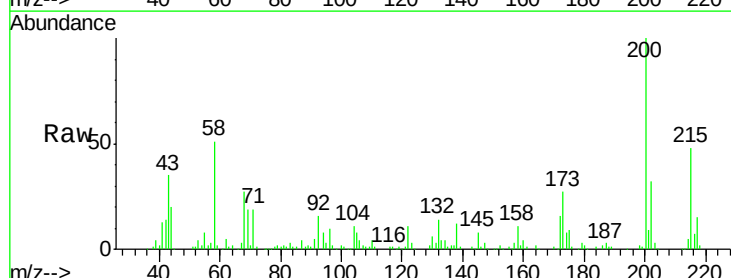


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

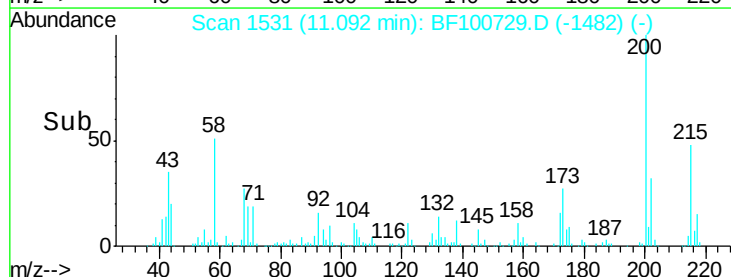
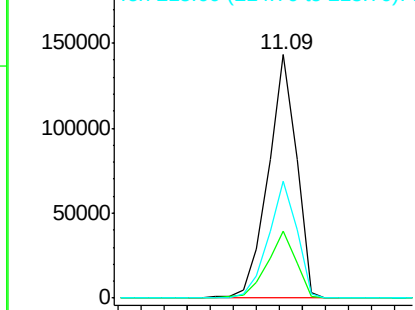


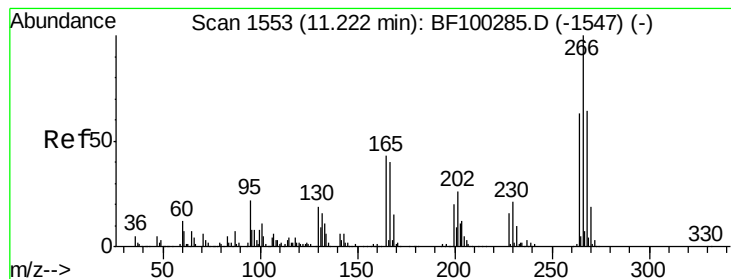
#68
Atrazine
Concen: 37.16 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion: 200 Resp: 121917
Ion Ratio Lower Upper
200 100
173 27.5 8.6 48.6
215 47.9 25.1 65.1



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

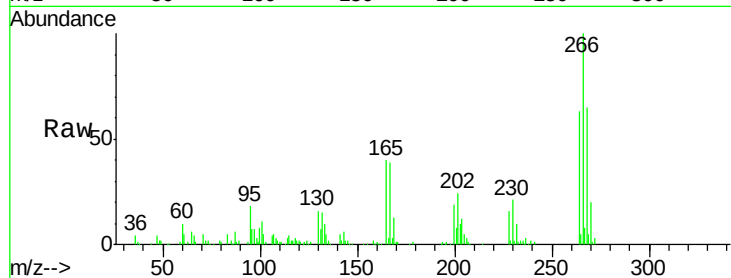




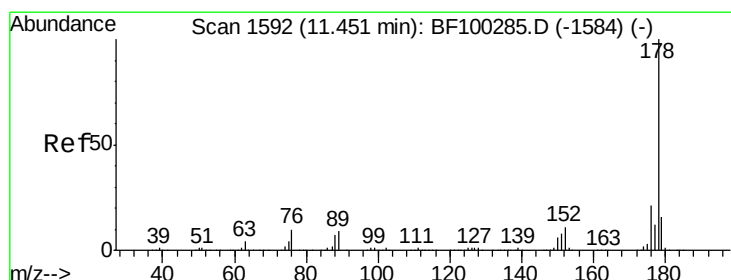
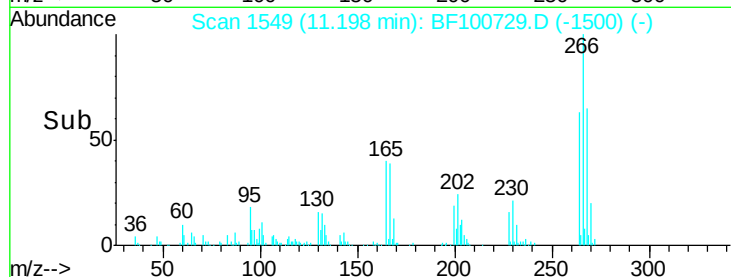
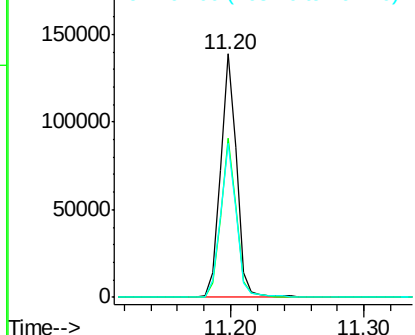
#69
 Pentachlorophenol
 Concen: 47.59 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

Tgt Ion: 266 Resp: 119261
 Ion Ratio Lower Upper
 266 100
 268 65.2 51.1 76.7
 264 63.3 49.5 74.3

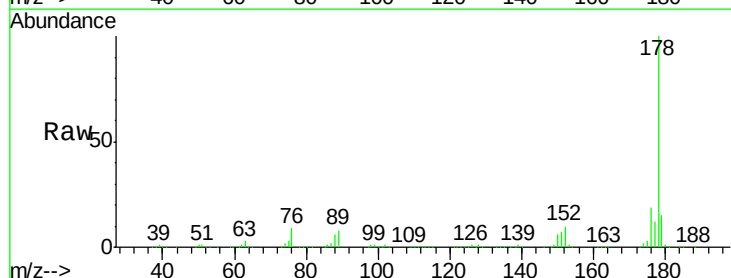


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

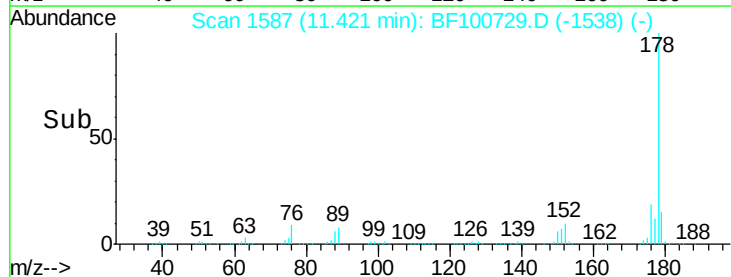
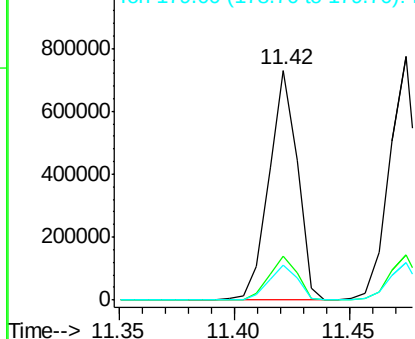


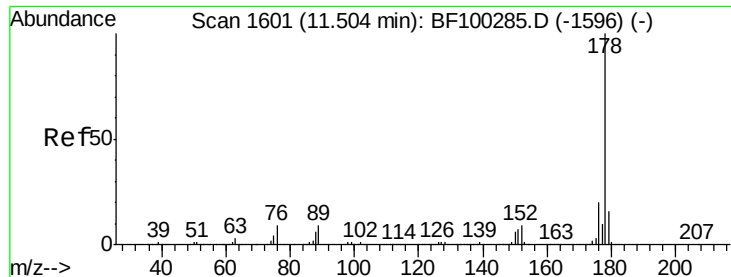
#70
 Phenanthrene
 Concen: 37.90 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion: 178 Resp: 622039
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.1 13.0 19.6



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

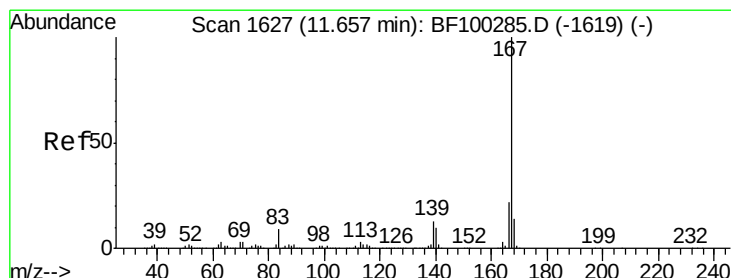
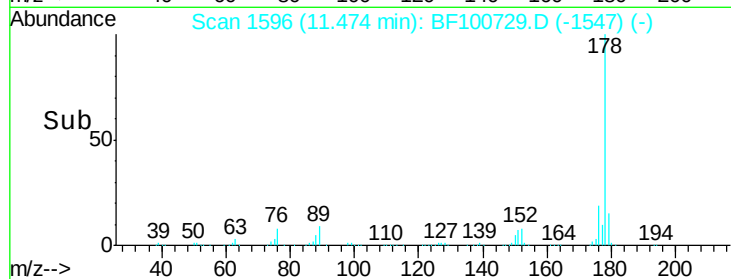
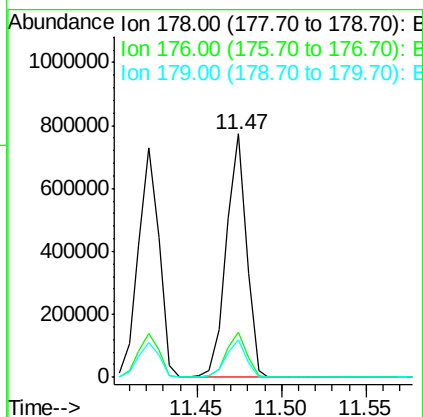
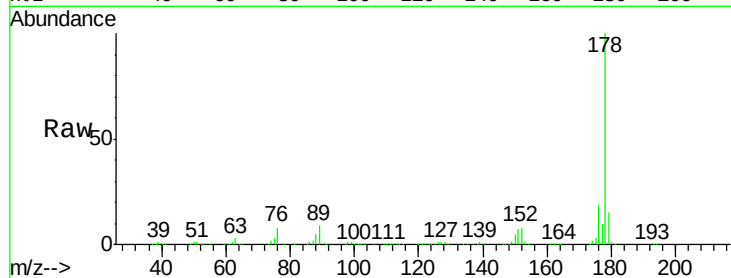




#71
 Anthracene
 Concen: 38.47 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

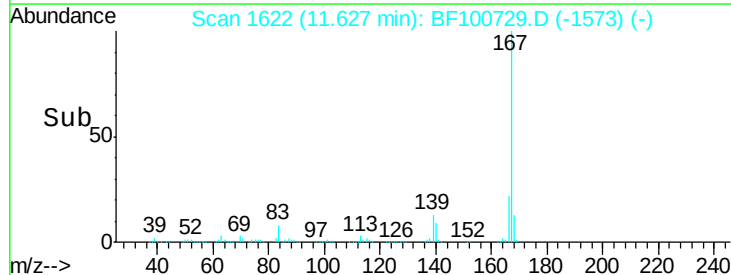
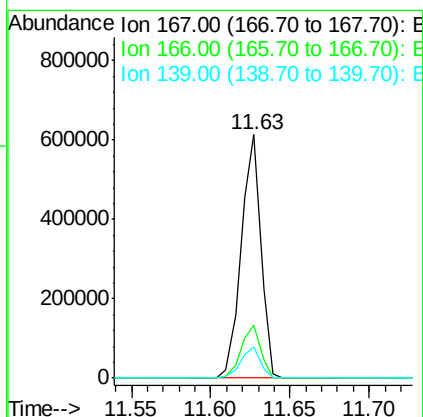
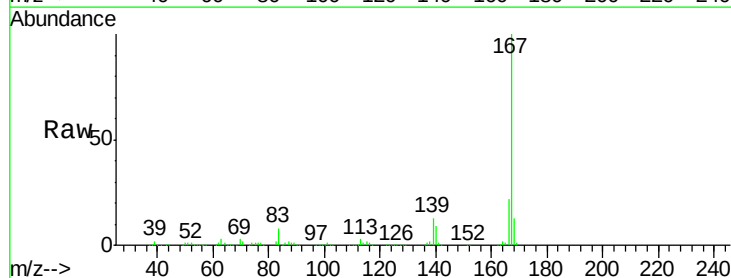
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

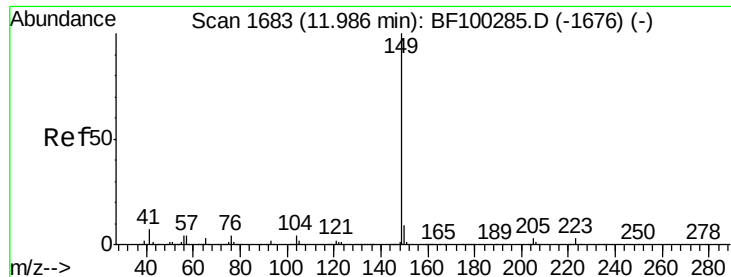
Tgt Ion:178 Resp: 640504
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.4 12.6 19.0



#72
 Carbazole
 Concen: 34.27 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion:167 Resp: 526489
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 12.6 10.9 16.3





#73

Di-n-butylphthalate

Concen: 37.81 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

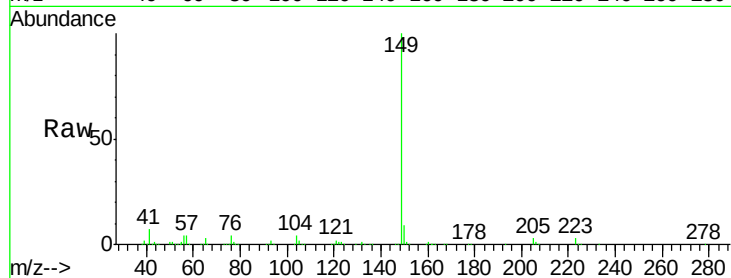
Tgt Ion:149 Resp: 679689

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

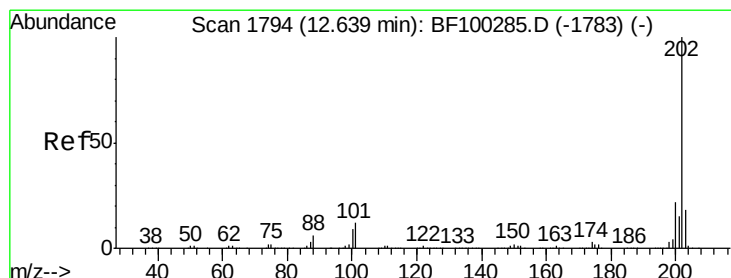
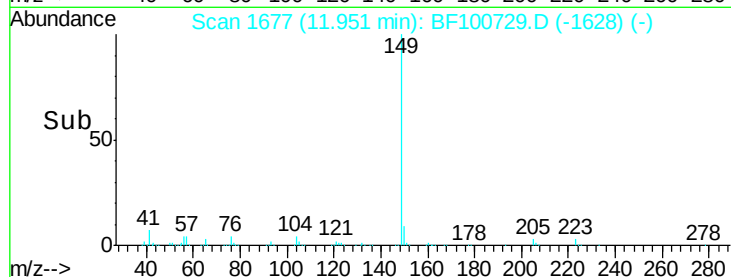
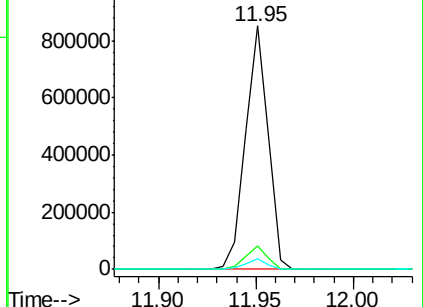
104 4.2 3.8 5.8



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: 33.52 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

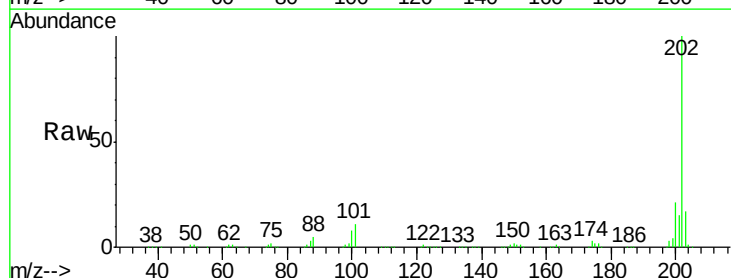
Tgt Ion:202 Resp: 583043

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

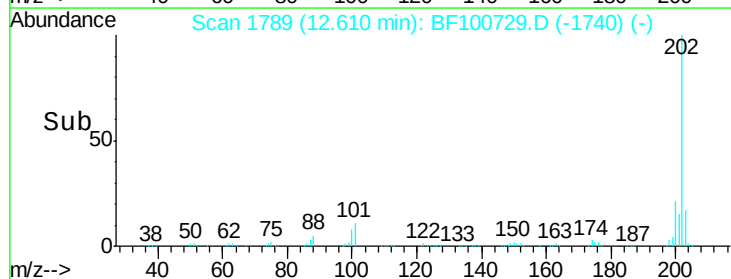
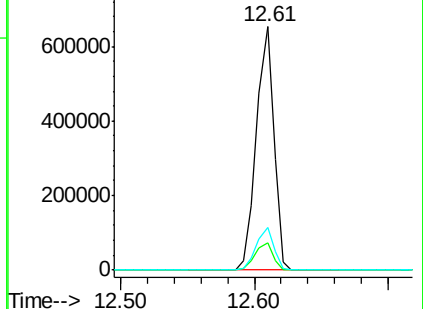
203 17.4 0.0 38.1

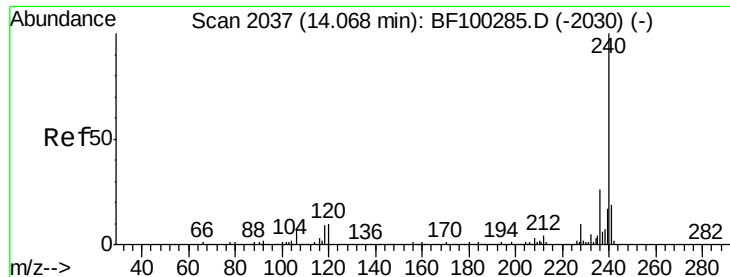


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

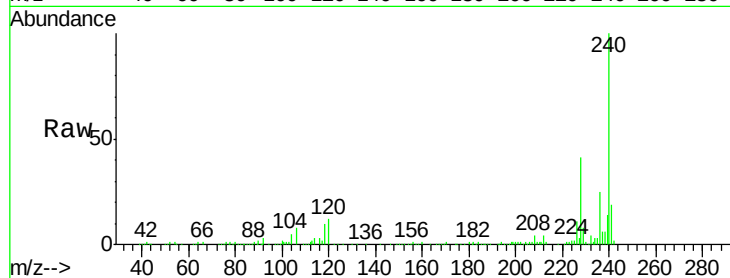
Tgt Ion:240 Resp: 173120

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

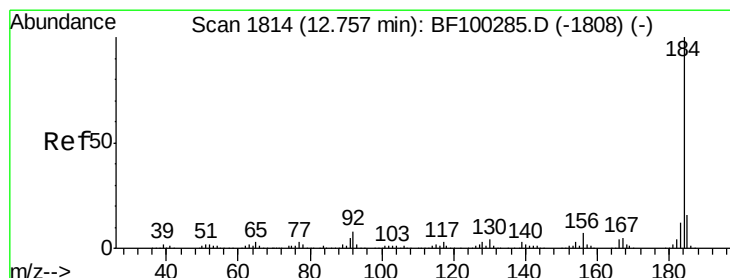
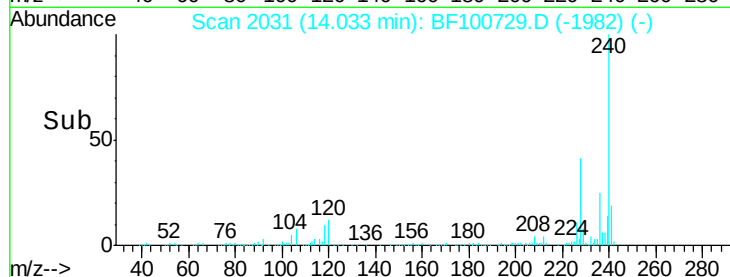
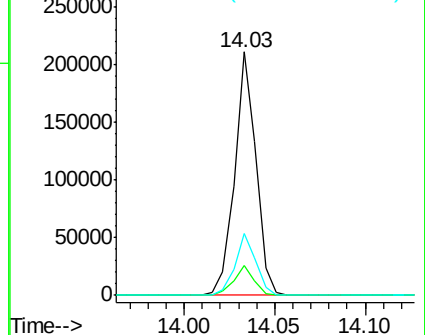
236 25.3 20.7 31.1



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: 17.97 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

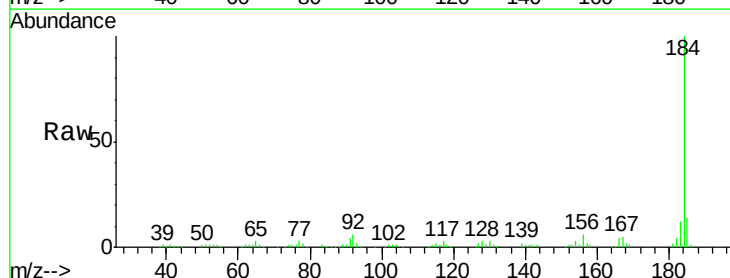
Tgt Ion:184 Resp: 124593

Ion Ratio Lower Upper

184 100

185 14.1 12.6 18.8

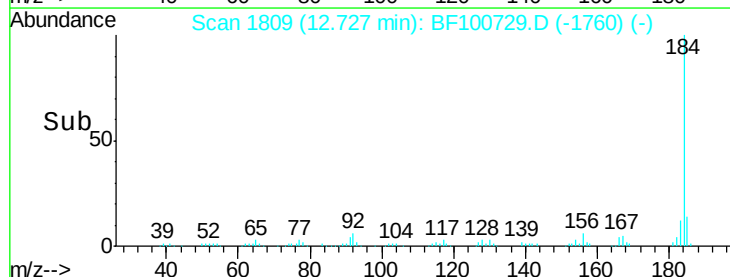
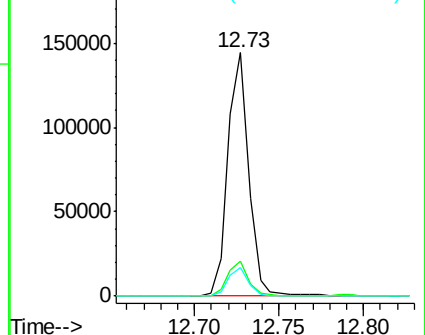
183 11.5 9.3 13.9

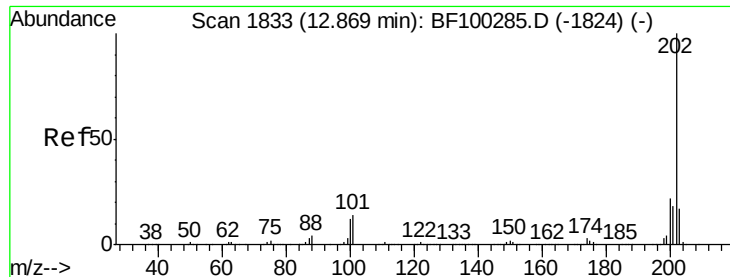


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

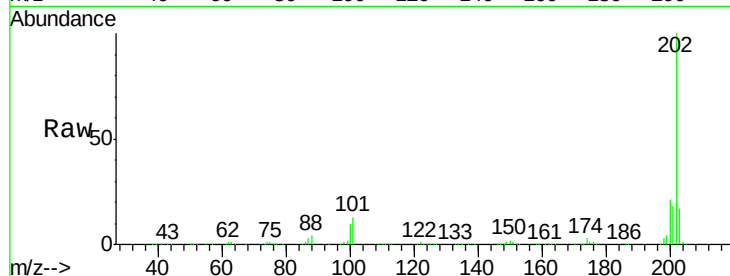




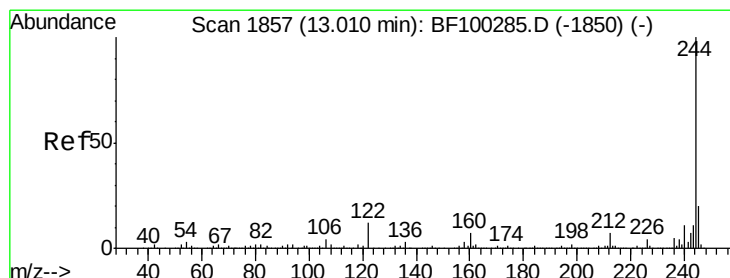
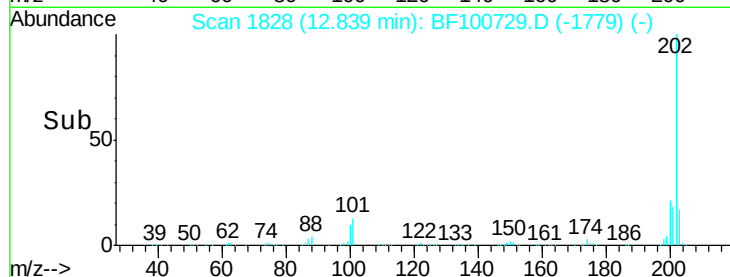
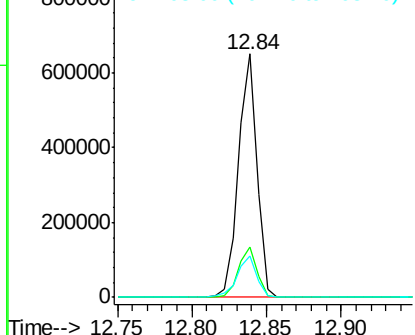
#77
 Pyrene
 Concen: 45.90 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.1	14.3	21.5

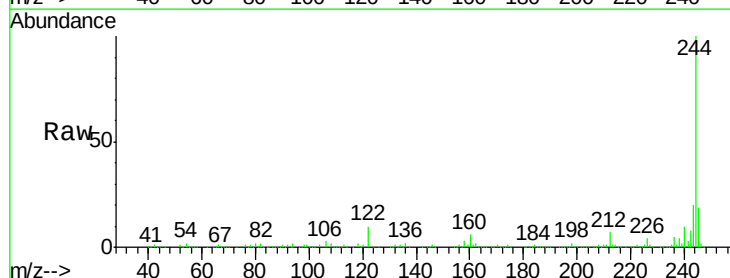


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

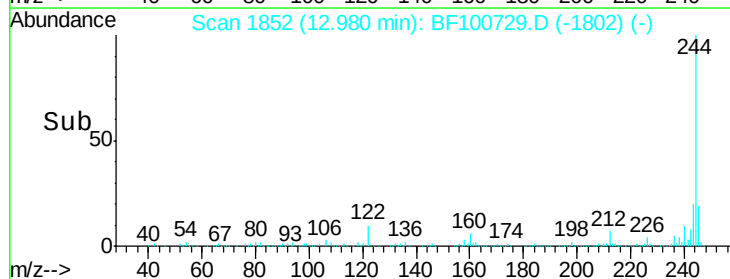
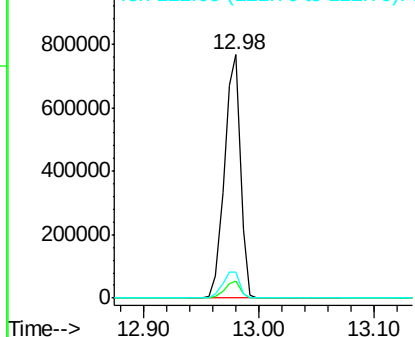


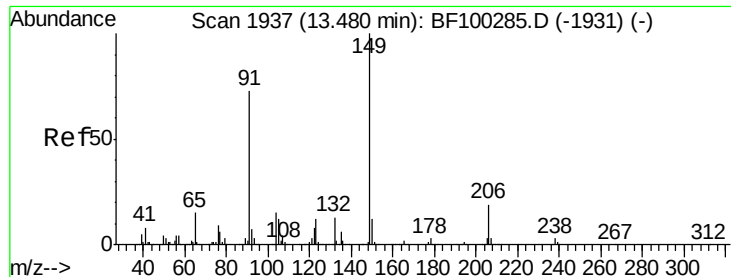
#78
 Terphenyl-d14
 Concen: 97.51 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.5	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

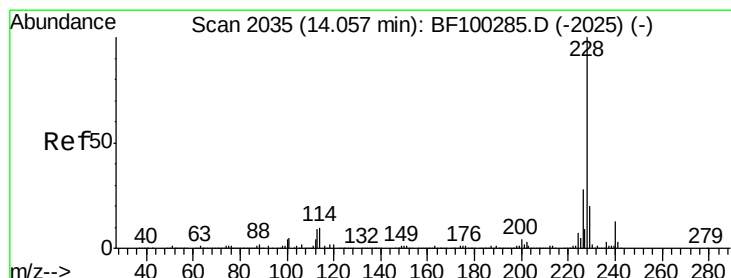
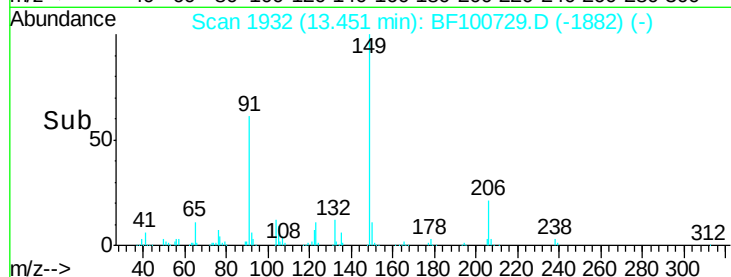
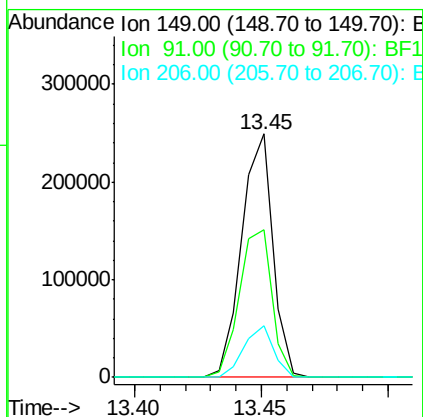
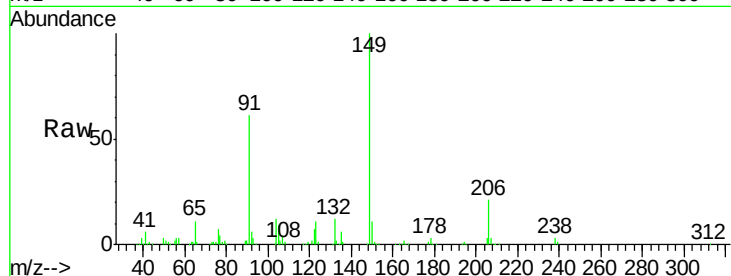




#79
Butylbenzylphthalate
Concen: 42.26 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

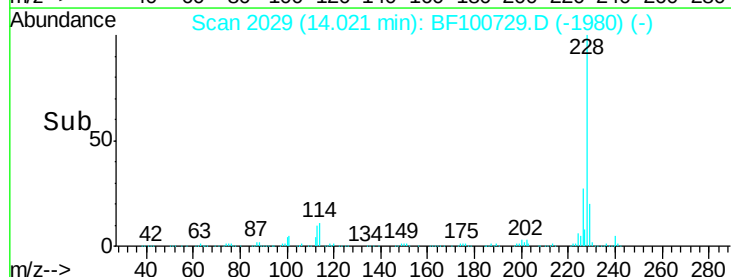
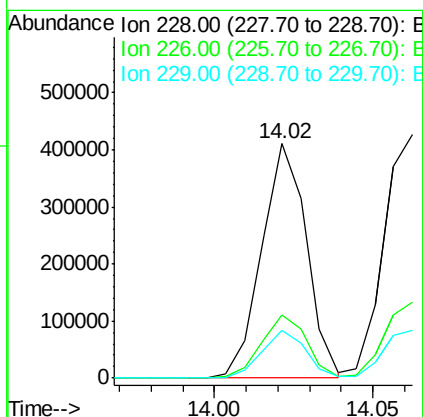
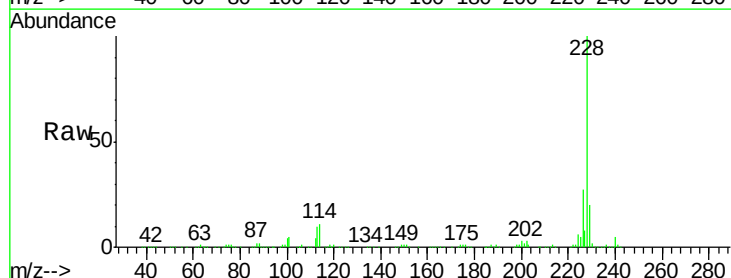
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-03

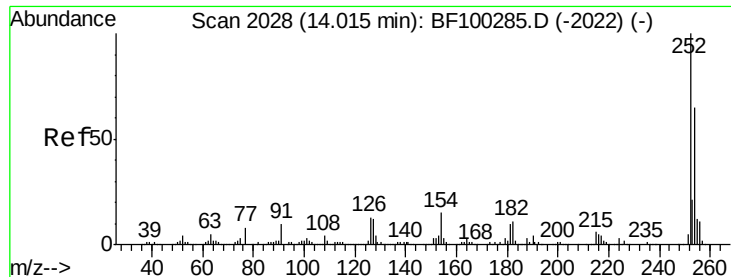
Tgt Ion:149 Resp: 212694
Ion Ratio Lower Upper
149 100
91 60.7 56.8 85.2
206 21.3 14.1 21.1#



#80
Benzo(a)anthracene
Concen: 38.79 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100729.D
Acq: 20 Nov 2017 14:43

Tgt Ion:228 Resp: 404414
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 20.3 15.8 23.6

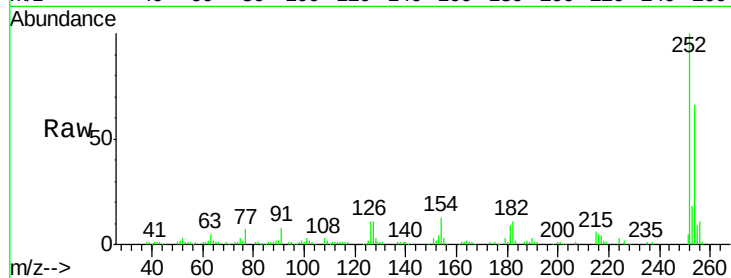




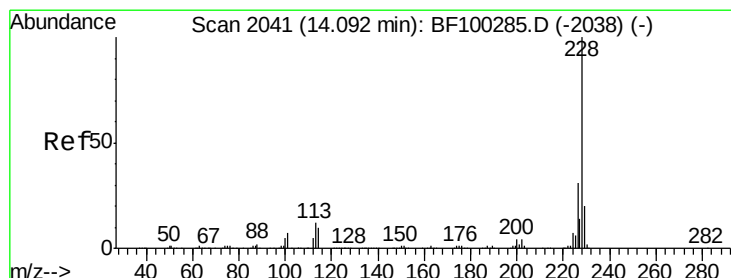
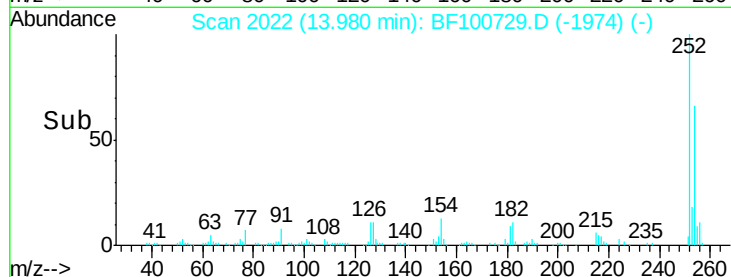
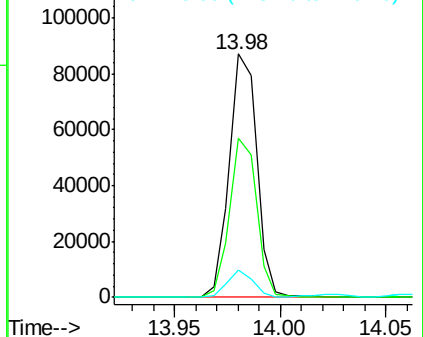
#81
 3,3'-Dichlorobenzidine
 Concen: 20.99 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

Tgt Ion: 252 Resp: 78412
 Ion Ratio Lower Upper
 252 100
 254 65.5 50.4 75.6
 126 11.3 11.3 16.9

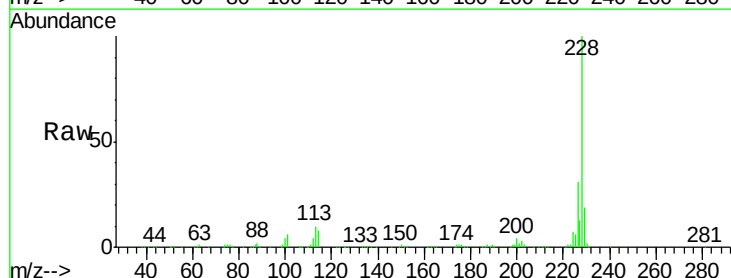


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

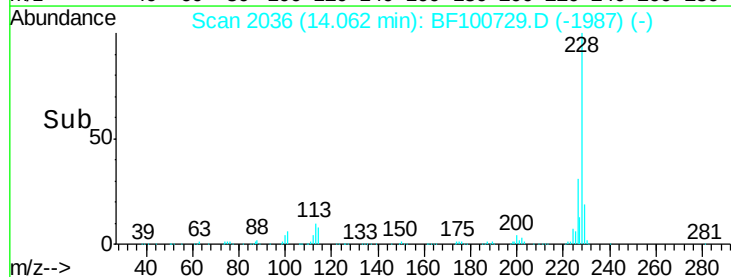
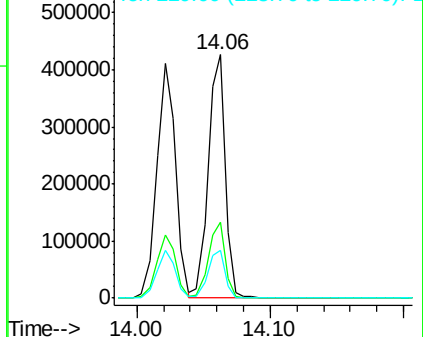


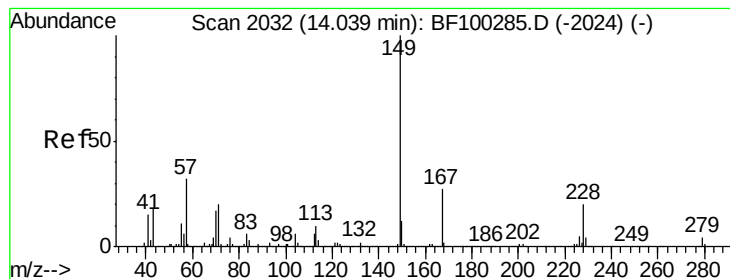
#82
 Chrysene
 Concen: 37.85 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion: 228 Resp: 382119
 Ion Ratio Lower Upper
 228 100
 226 30.9 25.0 37.6
 229 19.4 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.19 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

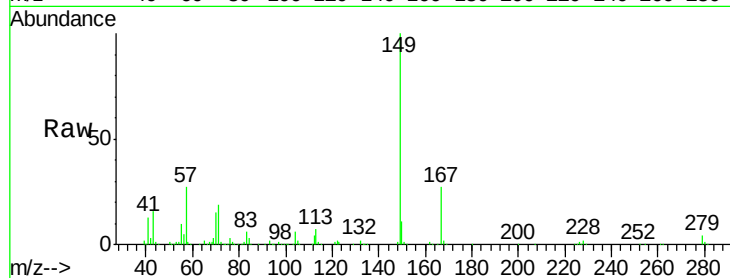
Tgt Ion:149 Resp: 272620

Ion Ratio Lower Upper

149 100

167 26.9 21.3 31.9

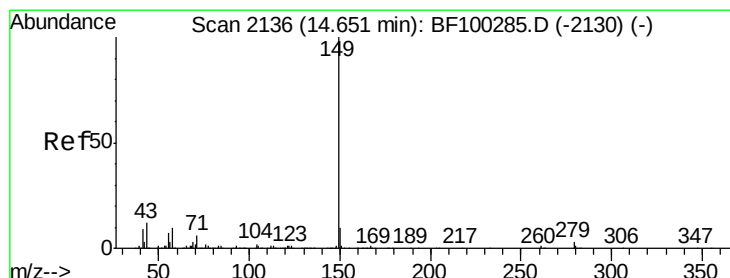
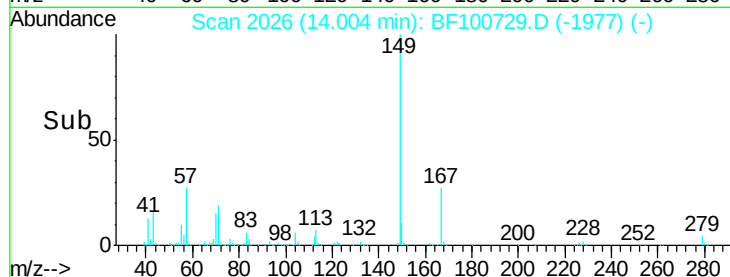
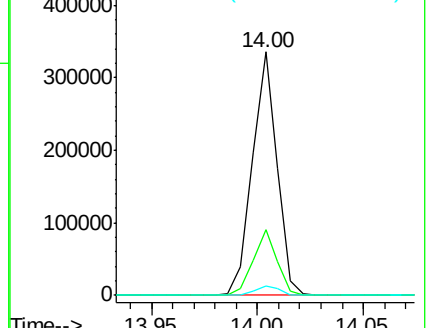
279 3.6 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 39.17 ng

RT: 14.62 min Scan# 2130

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

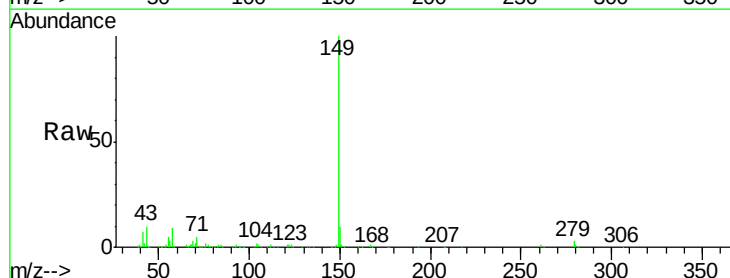
Tgt Ion:149 Resp: 445361

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

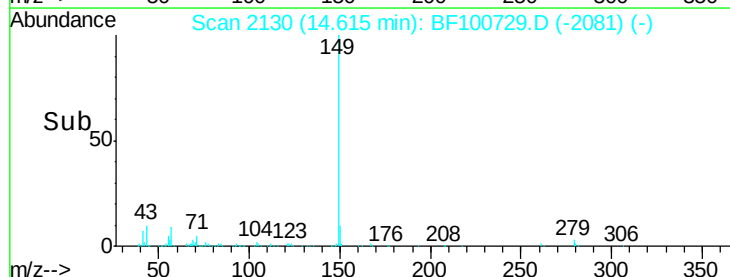
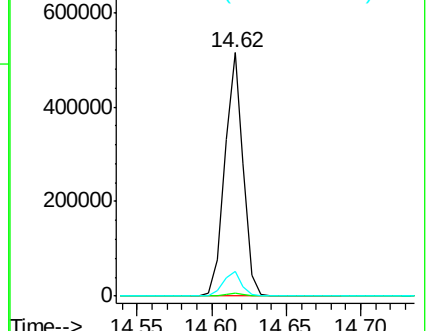
43 9.9 8.4 12.6

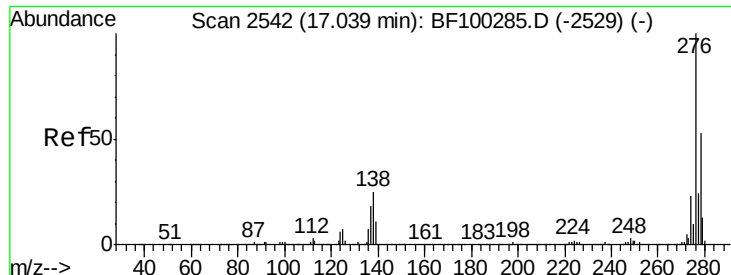


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

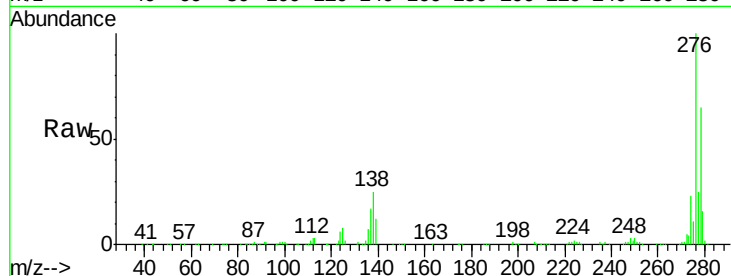




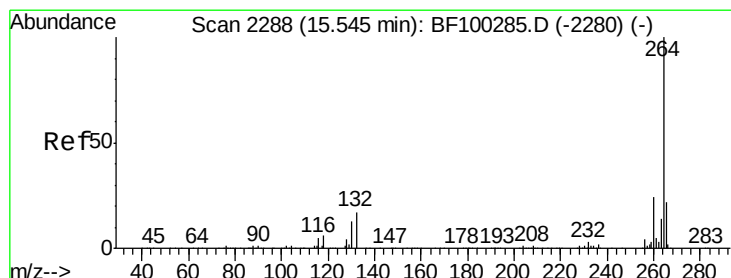
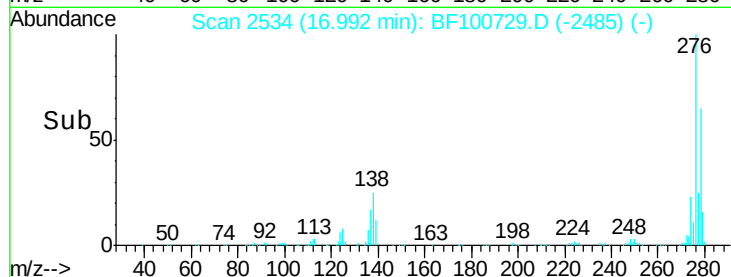
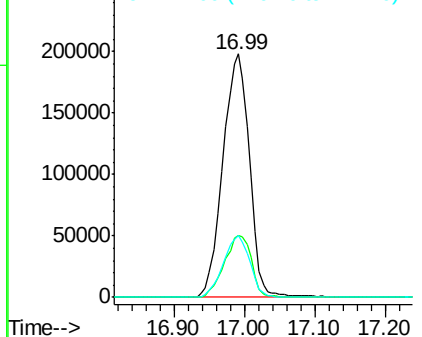
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 63.37 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	25.0	37.6
277	25.3	20.1	30.1

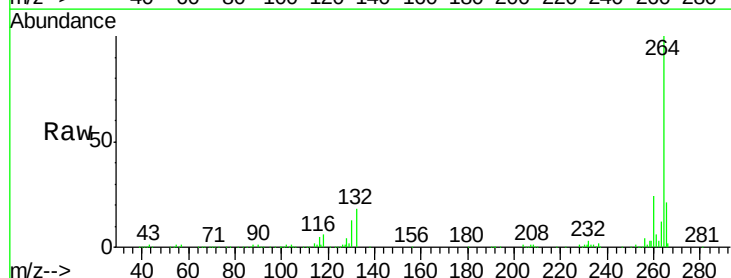


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

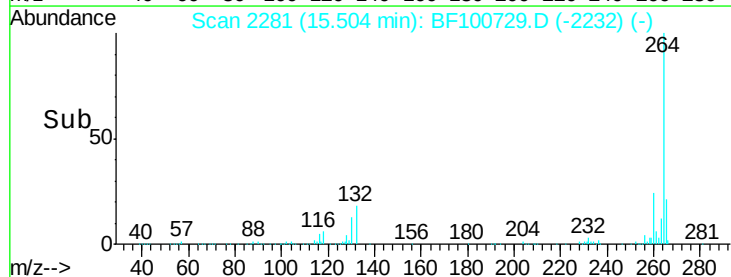
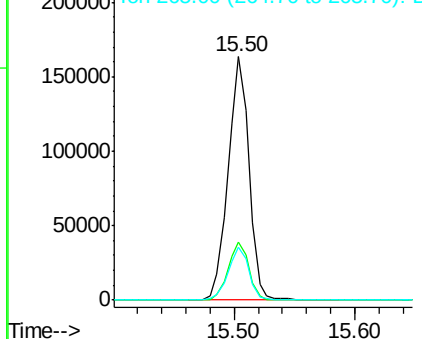


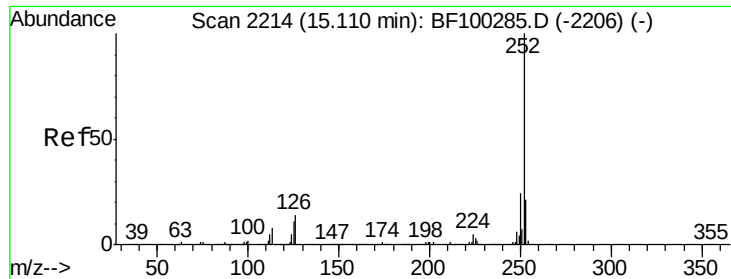
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.5	17.5	26.3



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

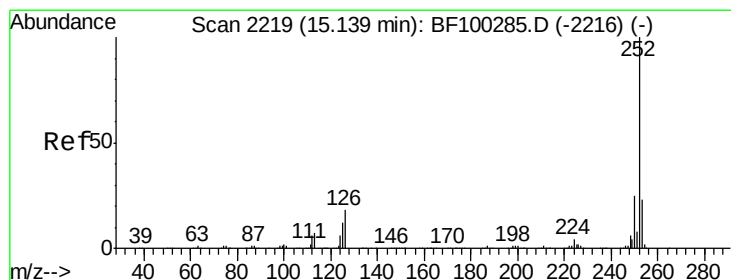
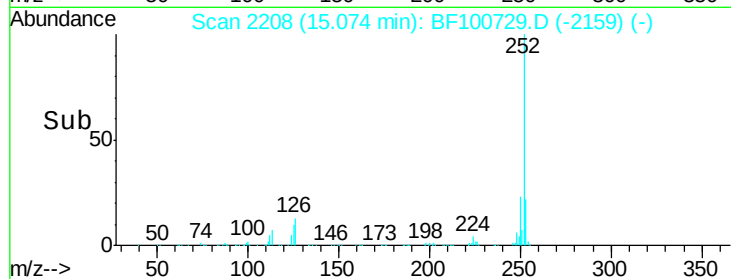
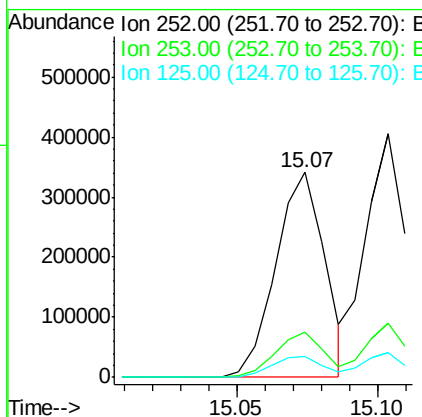
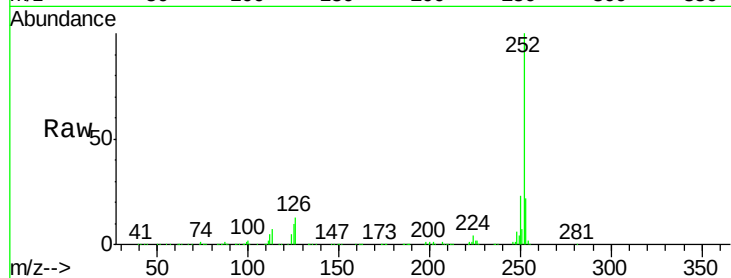




#87
 Benzo(b)fluoranthene
 Concen: 35.30 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.01 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

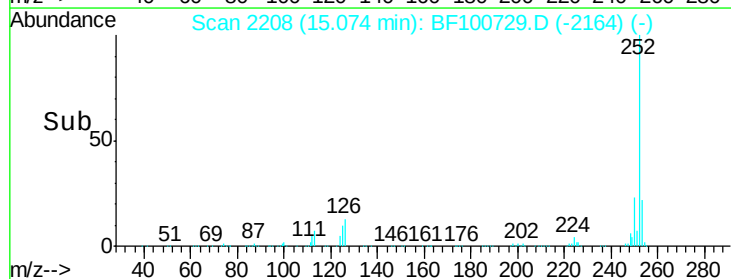
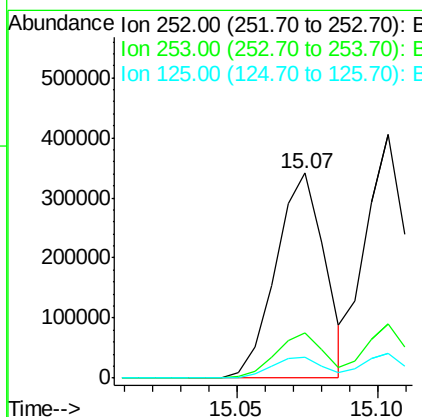
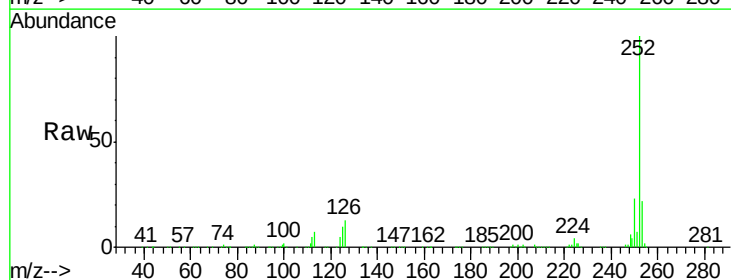
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-03

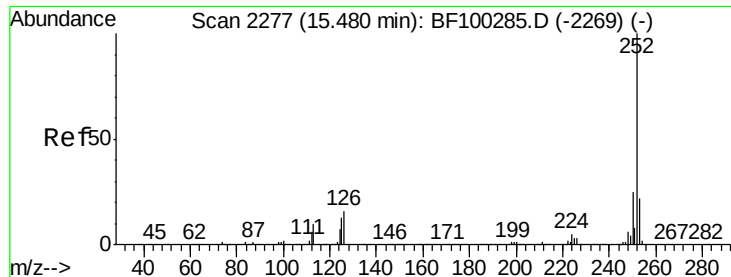
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	10.2	9.0	13.6



#88
 Benzo(k)fluoranthene
 Concen: 37.36 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.04 min
 Lab File: BF100729.D
 Acq: 20 Nov 2017 14:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	10.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 40.12 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

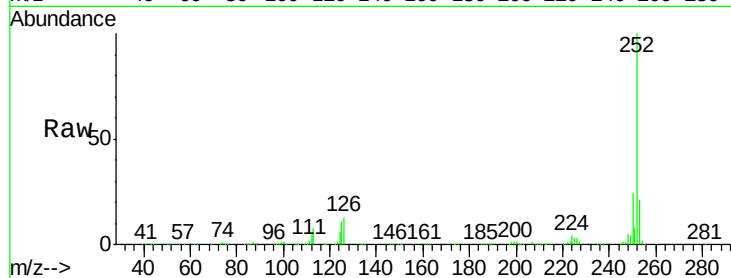
Tgt Ion:252 Resp: 412996

Ion Ratio Lower Upper

252 100

253 21.1 17.1 25.7

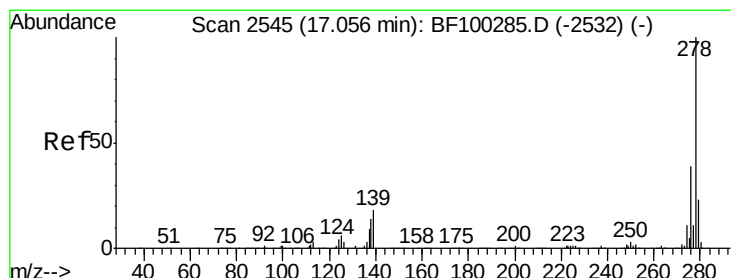
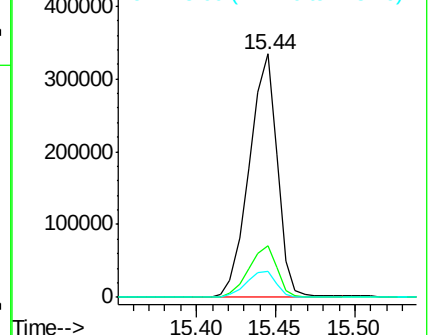
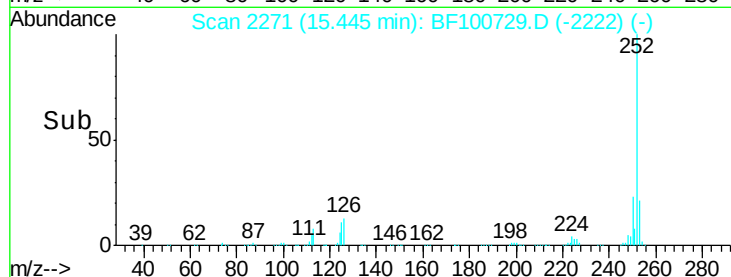
125 10.9 9.8 14.6



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: 51.13 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.02 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

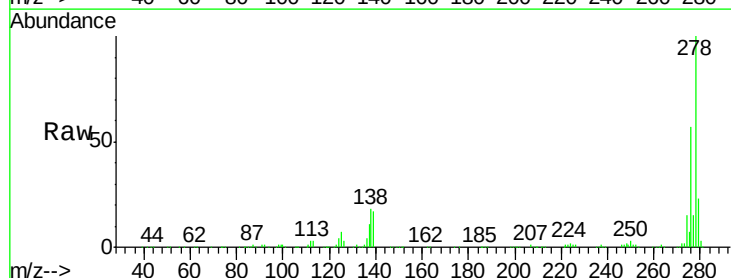
Tgt Ion:278 Resp: 430468

Ion Ratio Lower Upper

278 100

139 17.1 15.9 23.9

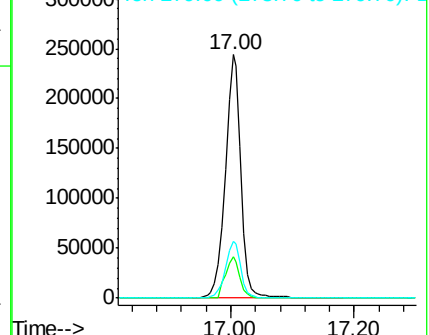
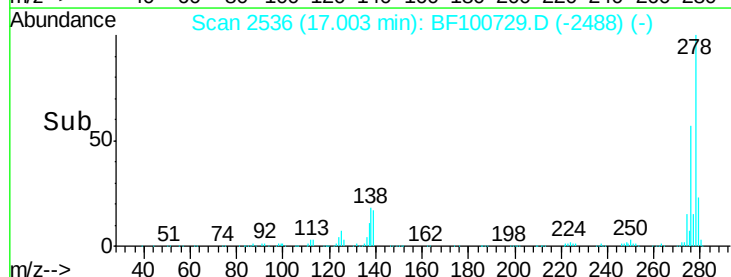
279 23.3 19.0 28.4

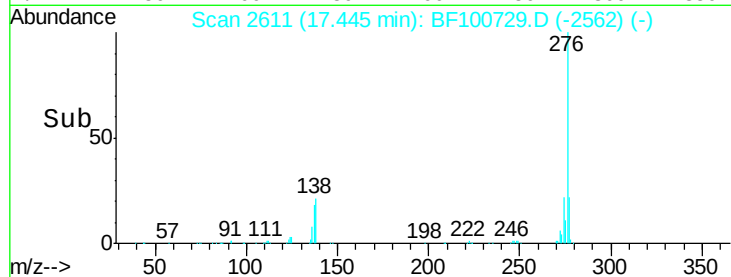
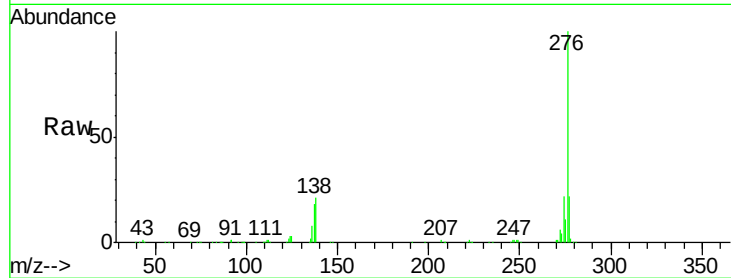
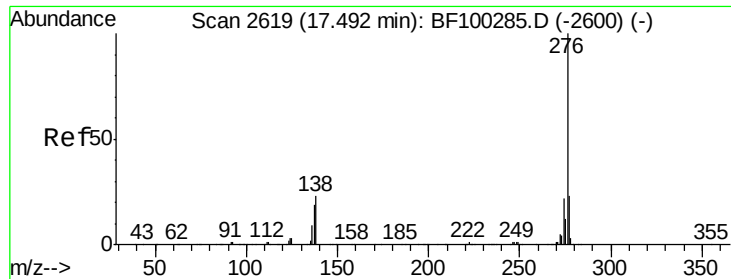


Abundance Ion 278.00 (277.70 to 278.70): E

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: 54.07 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BF100729.D

Acq: 20 Nov 2017 14:43

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-03

Tgt Ion:276 Resp: 445596

Ion Ratio Lower Upper

276 100

277 22.4 17.9 26.9

138 21.2 21.8 32.8#

