

Data File : BF100728.D
Acq On : 20 Nov 2017 14:16
Operator : SJ/JU
Sample : IDOC-SOIL-02
Misc : For Mohd. Javed
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

Quant Time: Nov 21 03:23:25 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	85964	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	354224	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	163136	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	316900	20.00	ng	0.00
75) Chrysene-d12	14.03	240	174775	20.00	ng	-0.01
86) Perylene-d12	15.50	264	177375	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	569109	106.12	ng	0.00
7) Phenol-d6	6.50	99	685636	103.68	ng	0.00
23) Nitrobenzene-d5	7.43	82	430643	80.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	193355	116.31	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	902586	84.25	ng	-0.01
78) Terphenyl-d14	12.98	244	760174	99.94	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.75	88	76255	29.18	ng	97
3) Pyridine	3.50	79	212853	29.85	ng	92
4) n-Nitrosodimethylamine	3.46	42	98320	28.40	ng	98
6) Aniline	6.53	93	110540	11.83	ng	98
8) 2-Chlorophenol	6.66	128	208747	36.79	ng	98
9) Benzaldehyde	6.42	77	83181	17.61	ng	94
10) Phenol	6.52	94	244850	35.27	ng	96
11) bis(2-Chloroethyl)ether	6.61	93	189960	32.58	ng	99
12) 1,3-Dichlorobenzene	6.81	146	234836	35.90	ng	98
13) 1,4-Dichlorobenzene	6.89	146	239523	36.18	ng	98
14) 1,2-Dichlorobenzene	7.04	146	225732	36.88	ng	98
15) Benzyl Alcohol	7.01	79	176763	34.25	ng	96
16) 2,2'-oxybis(1-Chloropropan	7.15	45	334839	35.90	ng	97
17) 2-Methylphenol	7.12	107	176096	36.32	ng	97
18) Hexachloroethane	7.38	117	80395	36.83	ng	97
19) n-Nitroso-di-n-propylamine	7.28	70	142009	30.96	ng	94
20) 3+4-Methylphenols	7.27	107	216865	35.35	ng	# 88
22) Acetophenone	7.28	105	280108	32.43	ng	# 97
24) Nitrobenzene	7.45	77	210166	38.11	ng	99
25) Isophorone	7.69	82	384459	34.15	ng	99
26) 2-Nitrophenol	7.77	139	115687	45.11	ng	94
27) 2,4-Dimethylphenol	7.80	122	197466	39.12	ng	97
28) bis(2-Chloroethoxy)methane	7.90	93	247783	33.64	ng	98
29) 2,4-Dichlorophenol	8.01	162	189891	39.41	ng	96
30) 1,2,4-Trichlorobenzene	8.09	180	197135	37.82	ng	98
31) Naphthalene	8.17	128	613081	35.93	ng	99
32) Benzoic acid	7.89	122	42363	18.19	ng	97
33) 4-Chloroaniline	8.22	127	62961	8.87	ng	96
34) Hexachlorobutadiene	8.29	225	113271	36.55	ng	97
35) Caprolactam	8.59	113	50279	30.41	ng	94
36) 4-Chloro-3-methylphenol	8.70	107	187750	36.28	ng	96
37) 2-Methylnaphthalene	8.87	142	420005	37.08	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	196191	36.26	ng	# 97
40) Hexachlorocyclopentadiene	9.02	237	174147	68.39	ng	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	139836	40.78	ng	99
43) 2,4,5-Trichlorophenol	9.19	196	141745	39.90	ng	# 90
45) 1,1'-Biphenyl	9.33	154	503611	35.69	ng	97
46) 2-Chloronaphthalene	9.36	162	397560	38.84	ng	96
47) 2-Nitroaniline	9.45	65	113904	38.26	ng	98
48) Acenaphthylene	9.77	152	601282	35.45	ng	99
49) Dimethylphthalate	9.63	163	451130	36.22	ng	99
50) 2,6-Dinitrotoluene	9.69	165	100736	40.86	ng	95
51) Acenaphthene	9.95	154	371678	36.03	ng	100
52) 3-Nitroaniline	9.86	138	55937	19.21	ng	94
53) 2,4-Dinitrophenol	9.97	184	34824	43.29	ng	# 13
54) Dibenzofuran	10.12	168	532963	36.86	ng	98
55) 4-Nitrophenol	10.02	139	146502	61.97	ng	91
56) 2,4-Dinitrotoluene	10.10	165	132118	42.48	ng	# 89
57) Fluorene	10.46	166	411779	38.87	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.23	232	113074	38.83	ng	# 85
59) Diethylphthalate	10.33	149	440748	35.36	ng	97
60) 4-Chlorophenyl-phenylether	10.45	204	200248	38.54	ng	89
61) 4-Nitroaniline	10.47	138	96212	34.85	ng	91
62) Azobenzene	10.61	77	386977	32.96	ng	94
64) 4,6-Dinitro-2-methylphenol	10.50	198	37519	27.83	ng	79
65) n-Nitrosodiphenylamine	10.57	169	381662	34.64	ng	97
66) 4-Bromophenyl-phenylether	10.94	248	127565	37.55	ng	# 86
67) Hexachlorobenzene	11.00	284	131740	37.08	ng	# 90
68) Atrazine	11.09	200	119122	35.71	ng	98
69) Pentachlorophenol	11.20	266	115680	45.41	ng	97
70) Phenanthrene	11.42	178	607752	36.42	ng	98
71) Anthracene	11.47	178	630747	37.26	ng	98
72) Carbazole	11.63	167	528876	33.86	ng	99
73) Di-n-butylphthalate	11.95	149	679272	37.16	ng	99
74) Fluoranthene	12.61	202	584557	33.06	ng	96
76) Benzidine	12.73	184	108470	15.50	ng	97
77) Pyrene	12.84	202	586324	47.06	ng	99
79) Butylbenzylphthalate	13.45	149	223534	44.00	ng	91
80) Benzo(a)anthracene	14.02	228	395065	37.54	ng	98
81) 3,3'-Dichlorobenzidine	13.99	252	76519	20.29	ng	# 97
82) Chrysene	14.06	228	378073	37.10	ng	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	277559	41.54	ng	100
84) Di-n-octyl phthalate	14.62	149	395633	34.46	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	453225	54.98	ng	94
87) Benzo(b)fluoranthene	15.07	252	359926	34.25	ng	98
88) Benzo(k)fluoranthene	15.10	252	356581	35.91	ng	97
89) Benzo(a)pyrene	15.44	252	355259	38.13	ng	98
90) Dibenzo(a,h)anthracene	17.00	278	376674	49.44	ng	96
91) Benzo(g,h,i)perylene	17.44	276	394848	52.94	ng	96

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

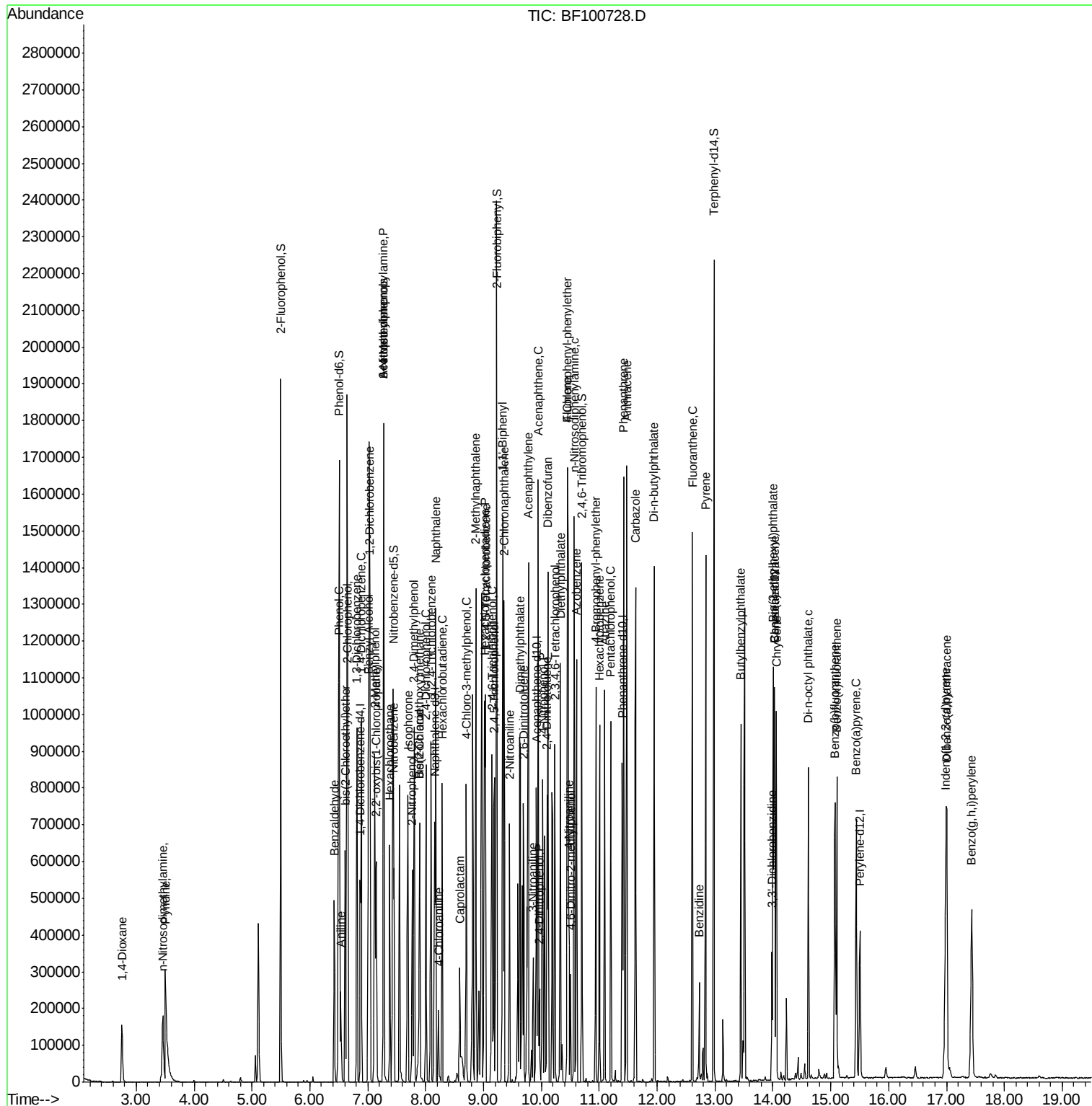
ALS Vial : 5 Sample Multiplier: 1

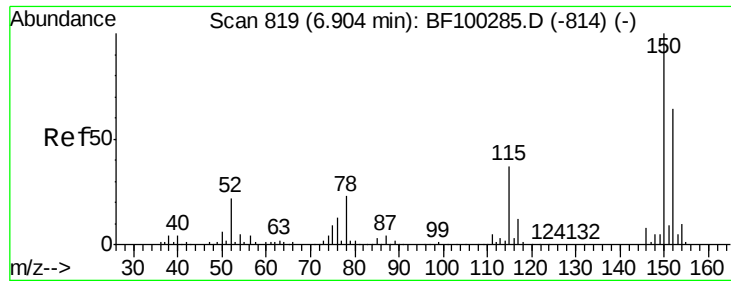
BNA F

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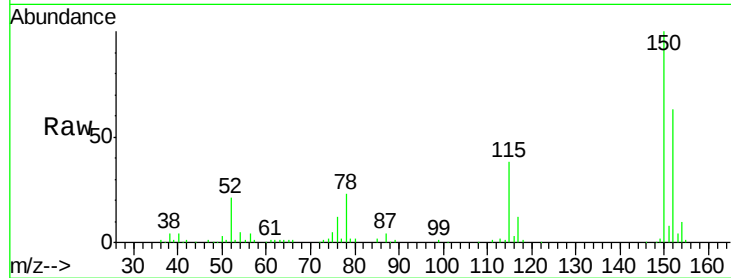


#1

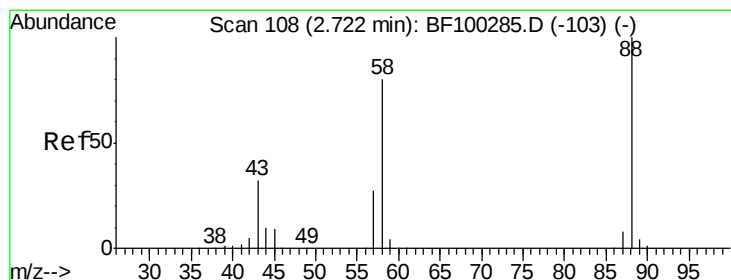
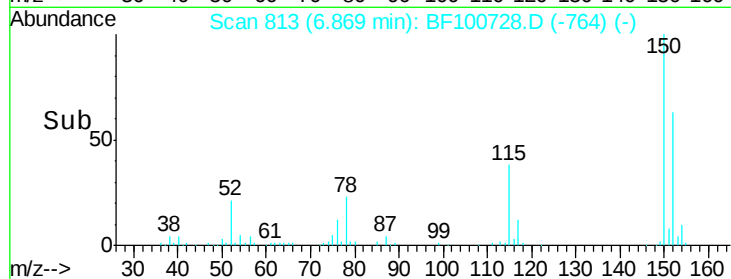
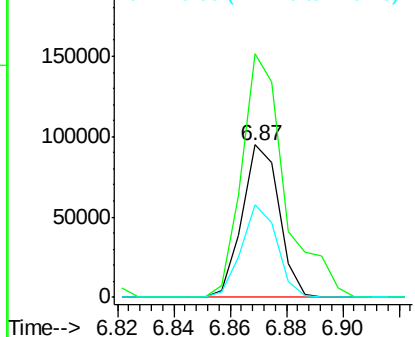
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

Tgt Ion:152 Resp: 85964
Ion Ratio Lower Upper
152 100
150 159.9 124.6 186.8
115 60.9 50.1 75.1



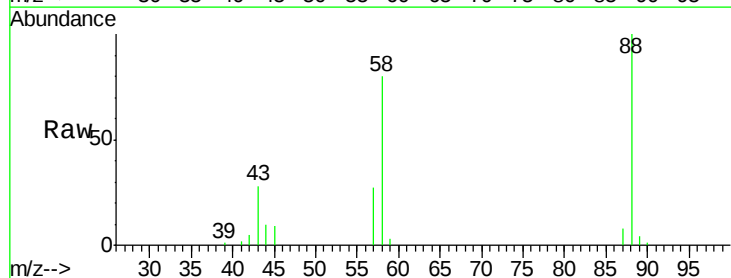
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



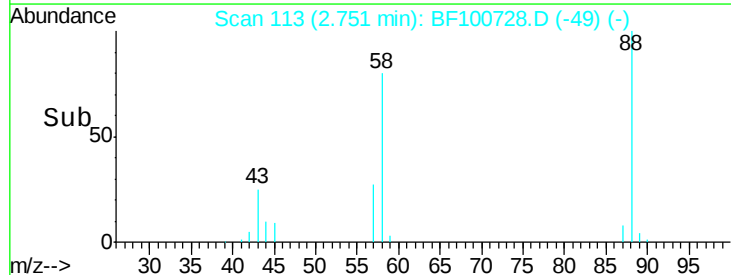
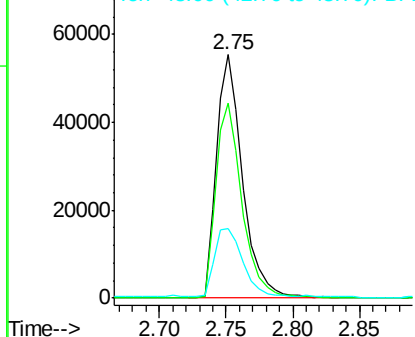
#2

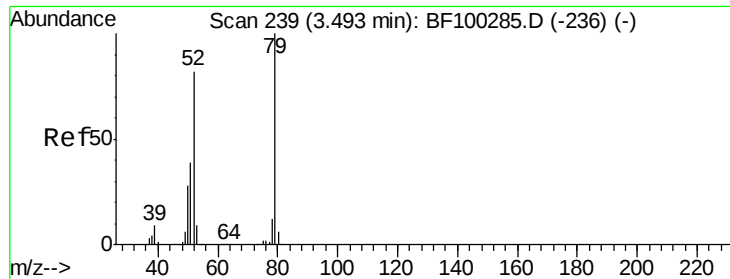
1,4-Dioxane
Concen: 29.18 ng
RT: 2.75 min Scan# 113
Delta R.T. 0.08 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion: 88 Resp: 76255
Ion Ratio Lower Upper
88 100
58 80.4 62.6 93.8
43 33.7 24.6 37.0



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

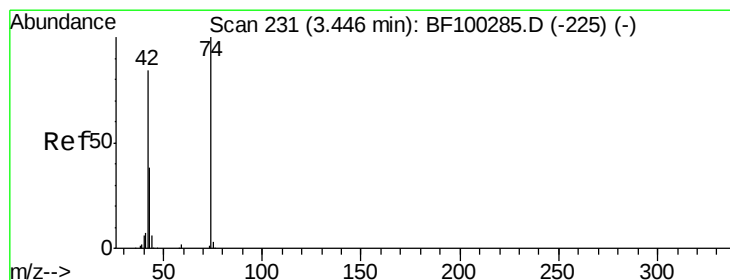
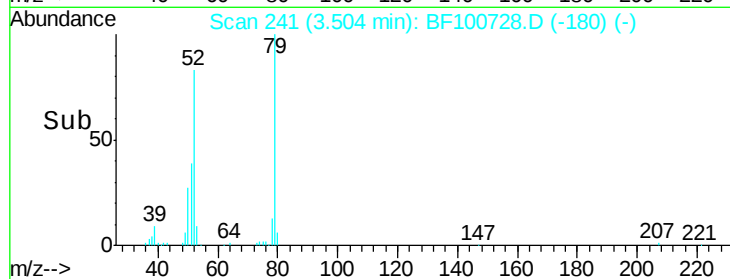
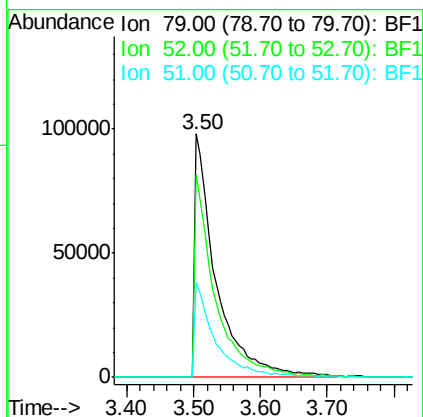
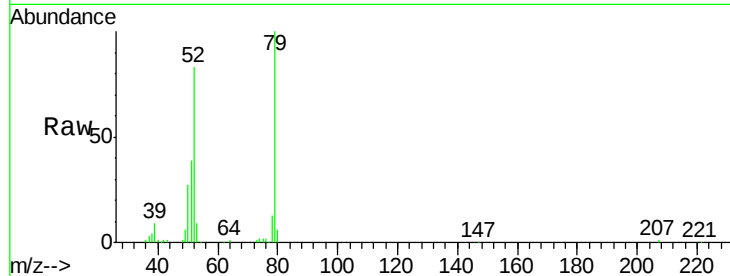




#3
 Pyridine
 Concen: 29.85 ng
 RT: 3.50 min Scan# 241
 Delta R.T. 0.06 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

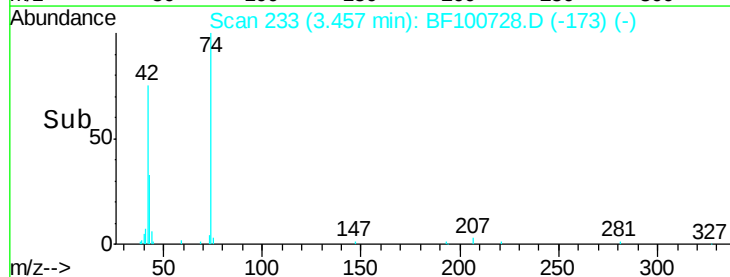
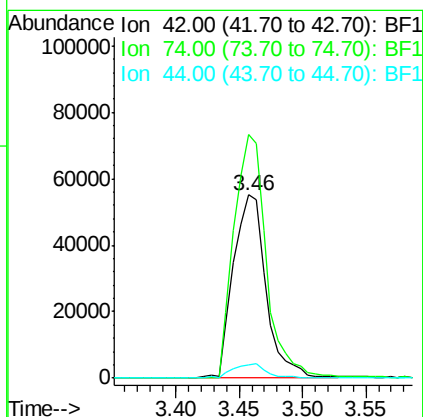
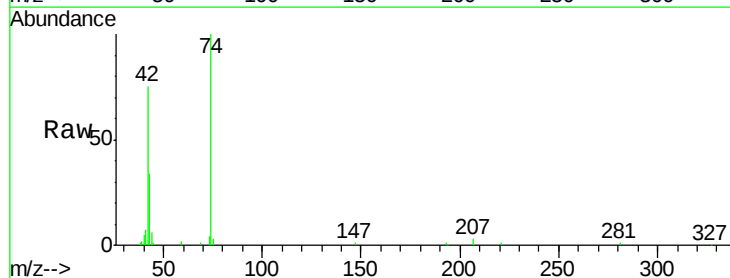
Instrument :
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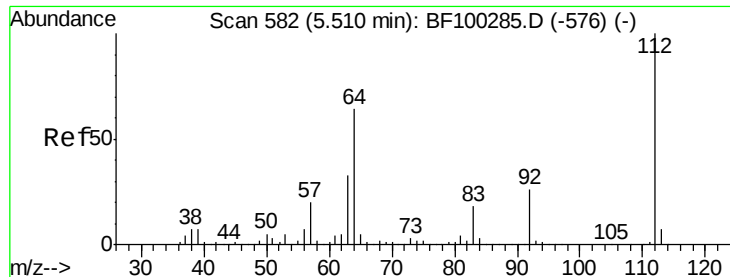
Tgt Ion: 79 Resp: 212853
 Ion Ratio Lower Upper
 79 100
 52 83.0 59.8 89.6
 51 39.1 29.8 44.8



#4
 n-Nitrosodimethylamine
 Concen: 28.40 ng
 RT: 3.46 min Scan# 233
 Delta R.T. 0.05 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion: 42 Resp: 98320
 Ion Ratio Lower Upper
 42 100
 74 132.9 104.9 157.3
 44 7.6 6.9 10.3





#5

2-Fluorophenol

Concen: 106.12 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

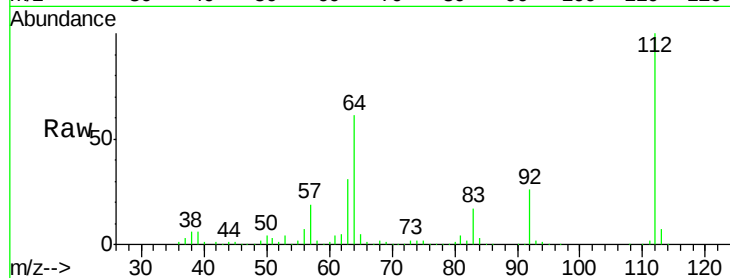
Tgt Ion: 112 Resp: 569109

Ion Ratio Lower Upper

112 100

64 60.8 47.9 71.9

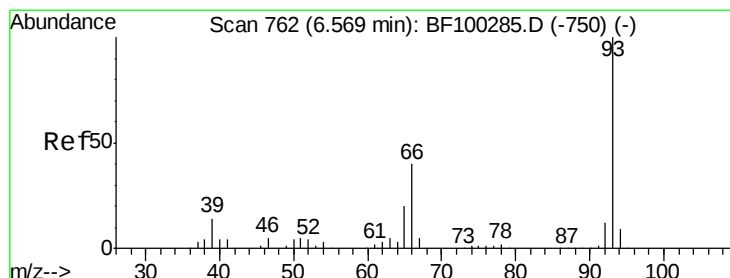
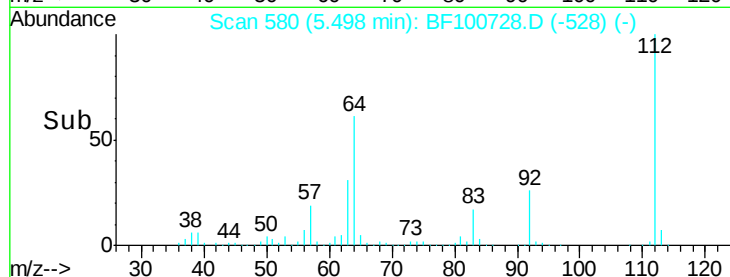
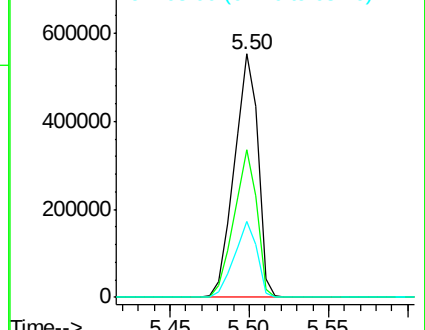
63 31.0 23.7 35.5



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: 11.83 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

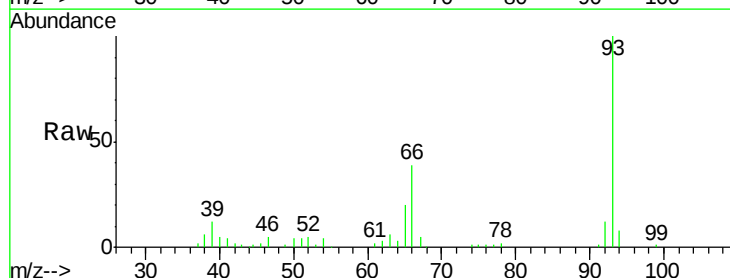
Tgt Ion: 93 Resp: 110540

Ion Ratio Lower Upper

93 100

66 38.6 32.2 48.2

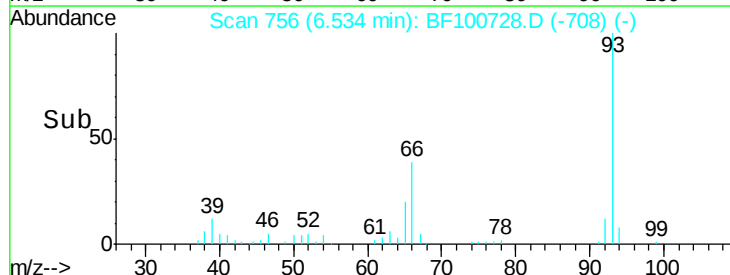
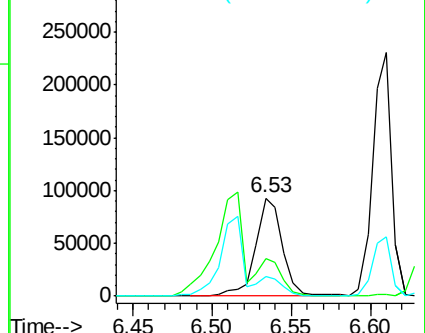
65 20.4 16.4 24.6



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: 103.68 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

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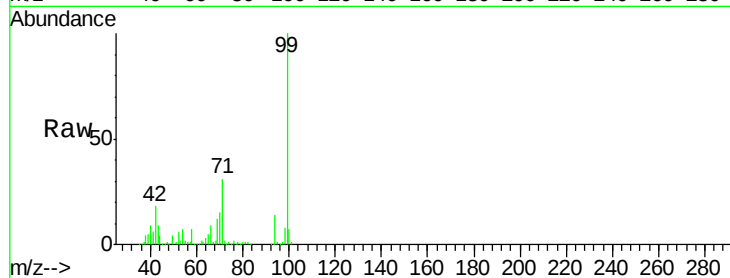
Tgt Ion: 99 Resp: 685636

Ion Ratio Lower Upper

99 100

42 18.2 14.5 21.7

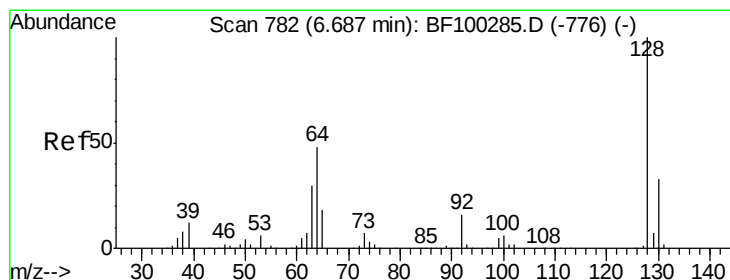
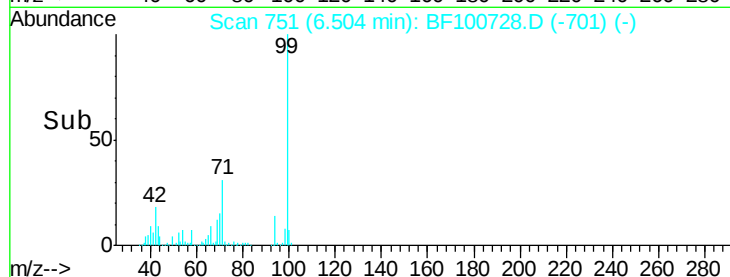
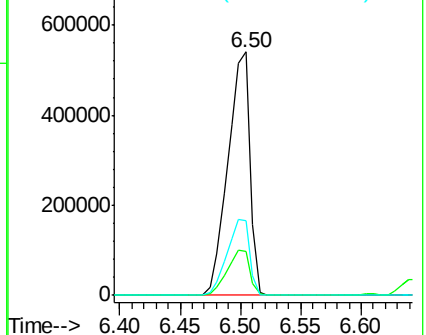
71 30.9 25.4 38.0



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: 36.79 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.01 min

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Acq: 20 Nov 2017 14:16

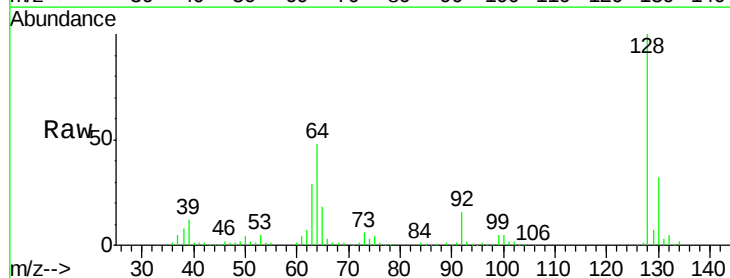
Tgt Ion: 128 Resp: 208747

Ion Ratio Lower Upper

128 100

130 32.1 13.0 53.0

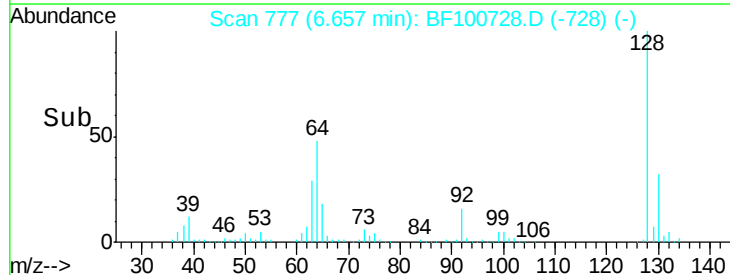
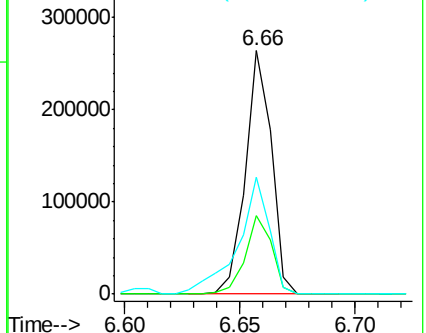
64 48.2 29.4 69.4

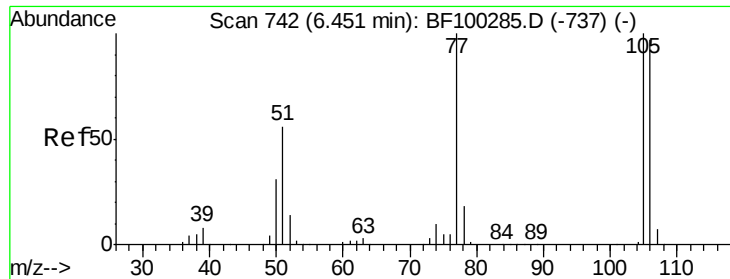


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 17.61 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

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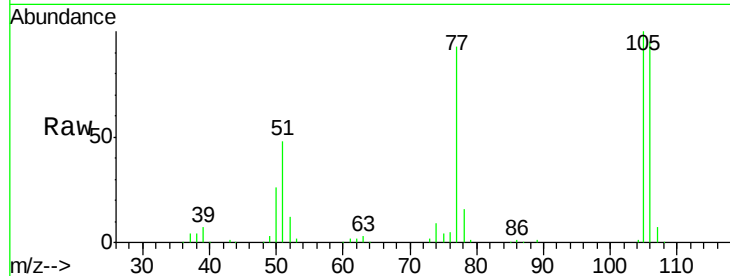
Tgt Ion: 77 Resp: 83181

Ion Ratio Lower Upper

77 100

105 107.0 81.1 121.1

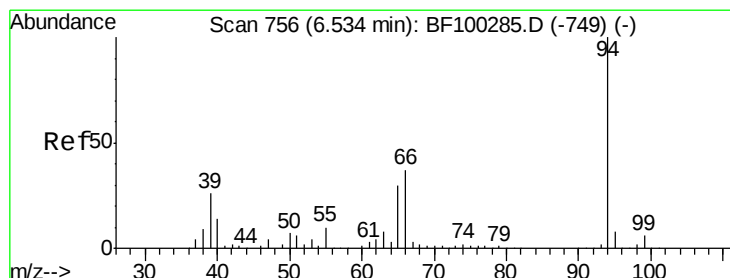
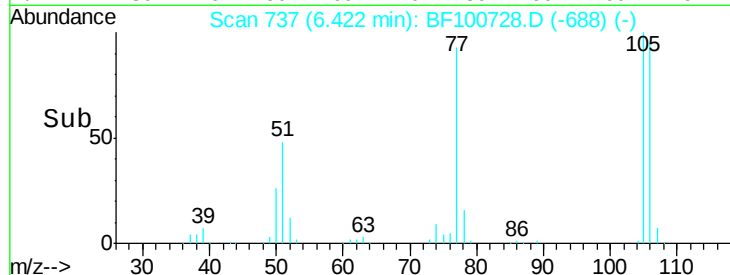
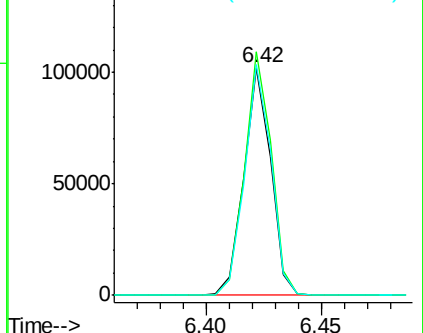
106 101.4 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 35.27 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

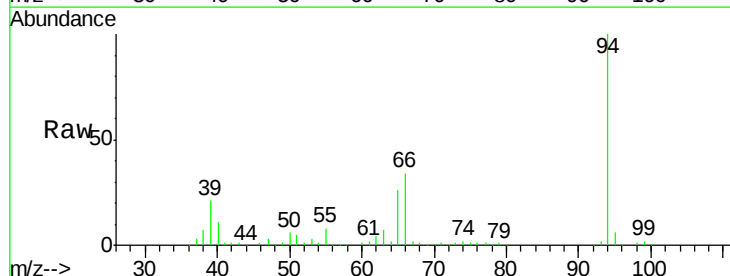
Tgt Ion: 94 Resp: 244850

Ion Ratio Lower Upper

94 100

65 25.9 7.9 47.9

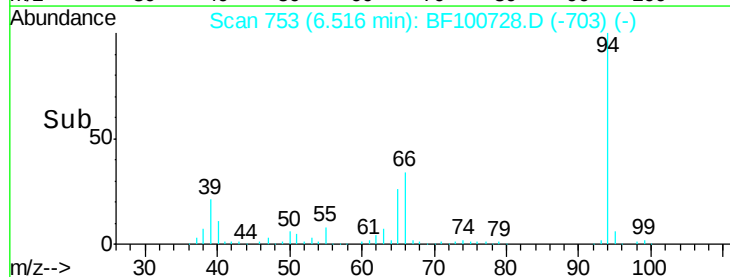
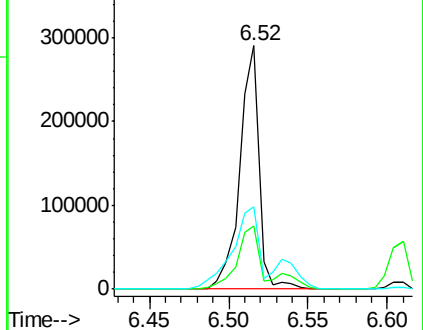
66 33.9 16.2 56.2

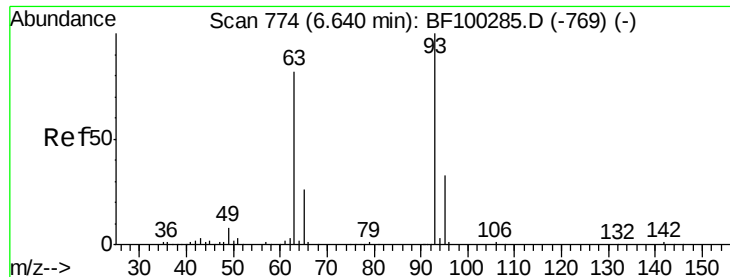


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 32.58 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

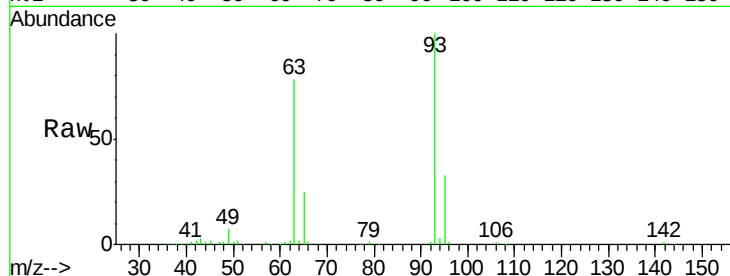
Tgt Ion: 93 Resp: 189960

Ion Ratio Lower Upper

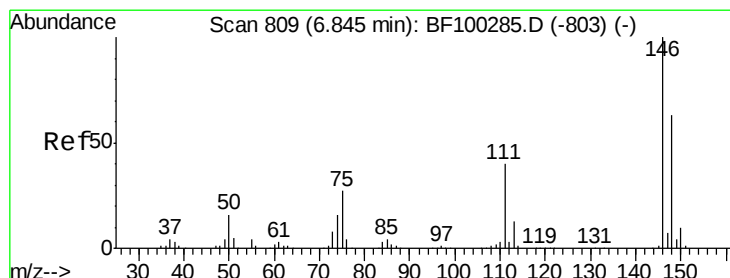
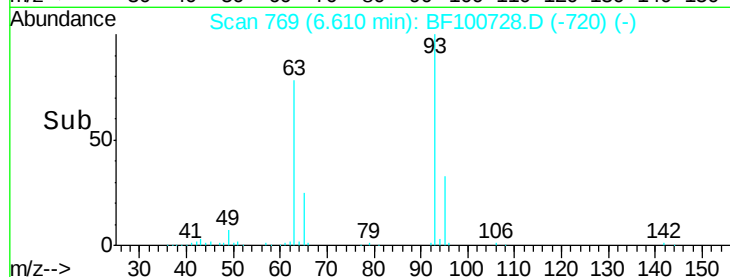
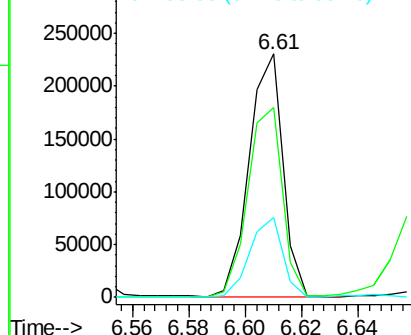
93 100

63 78.2 58.6 98.6

95 32.5 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: 35.90 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

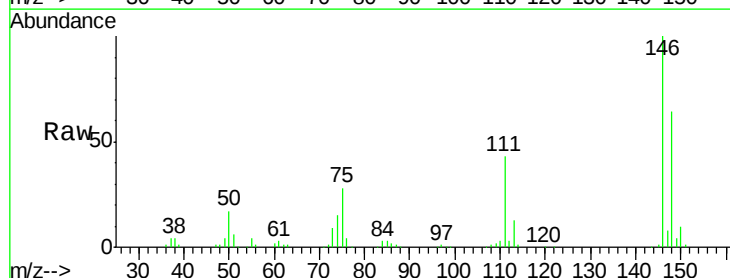
Tgt Ion: 146 Resp: 234836

Ion Ratio Lower Upper

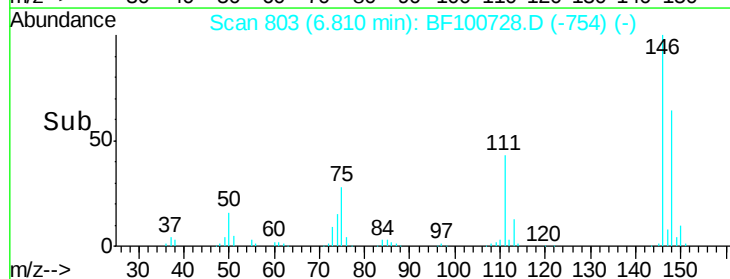
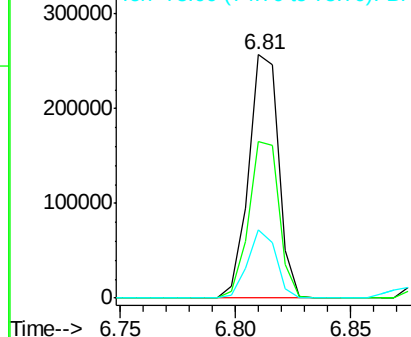
146 100

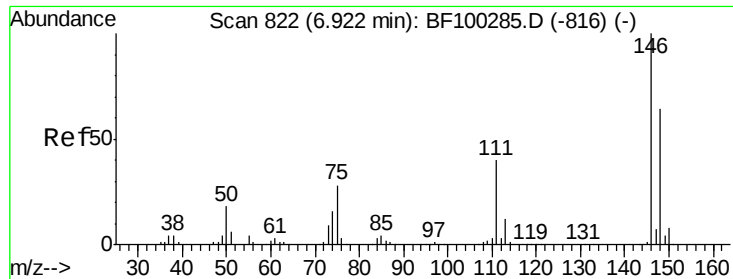
148 64.1 51.8 77.8

75 27.8 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

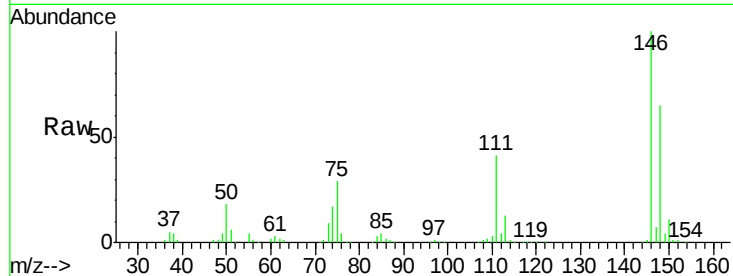




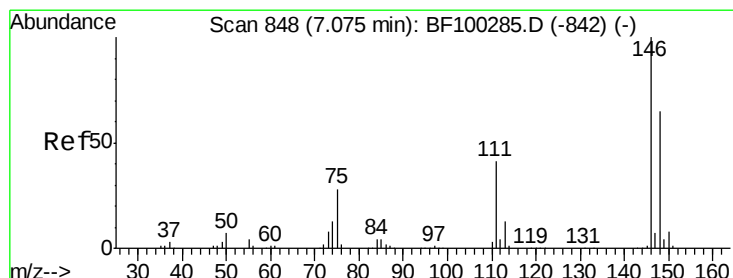
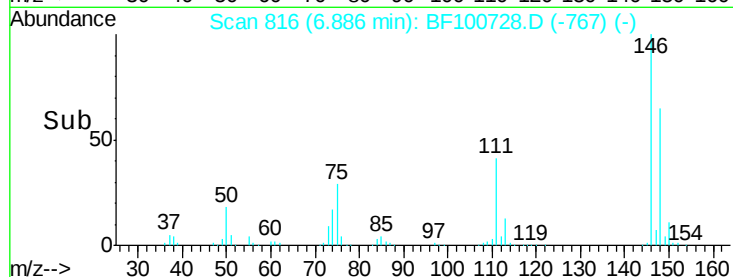
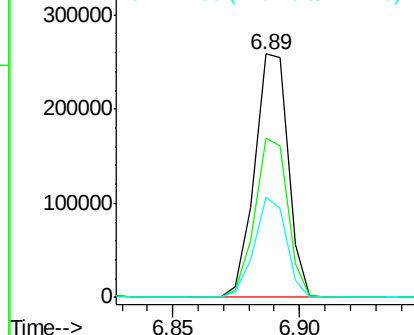
#13
1,4-Dichlorobenzene
Concen: 36.18 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

Tgt Ion:146 Resp: 239523
Ion Ratio Lower Upper
146 100
148 65.3 50.8 76.2
111 41.3 34.2 51.2

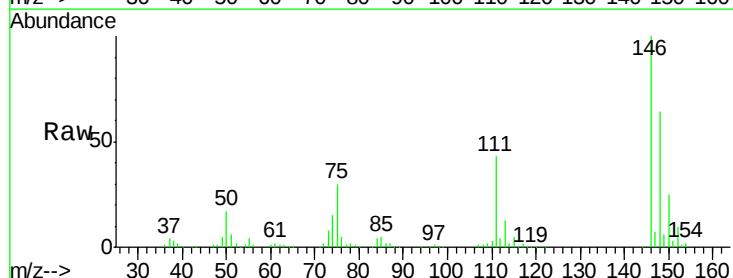


Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E

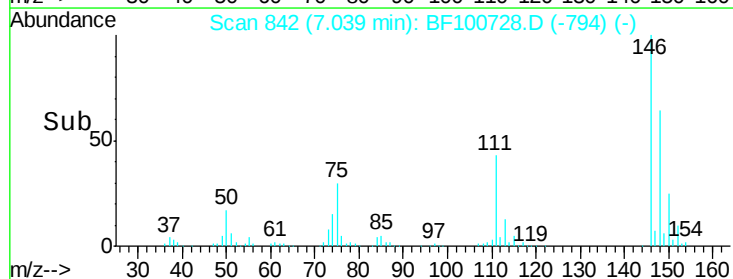
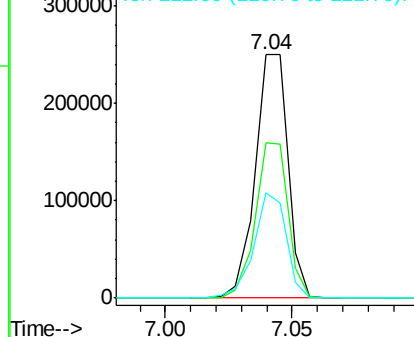


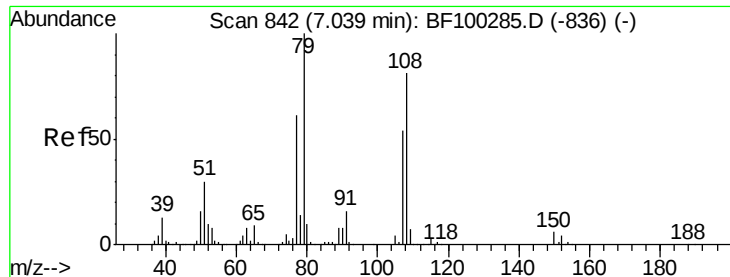
#14
1,2-Dichlorobenzene
Concen: 36.88 ng
RT: 7.04 min Scan# 842
Delta R.T. -0.02 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:146 Resp: 225732
Ion Ratio Lower Upper
146 100
148 63.7 50.6 75.8
111 43.1 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: 34.25 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

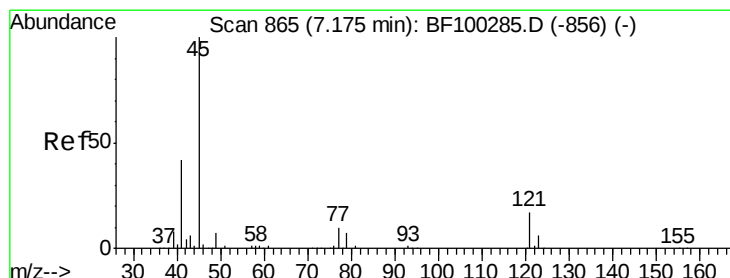
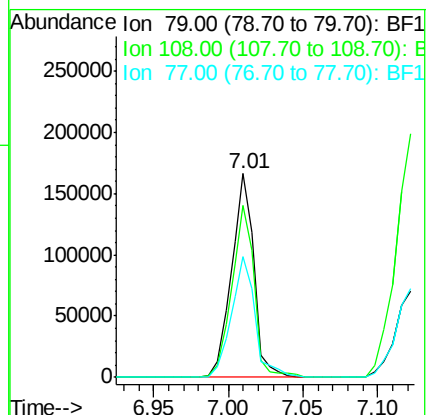
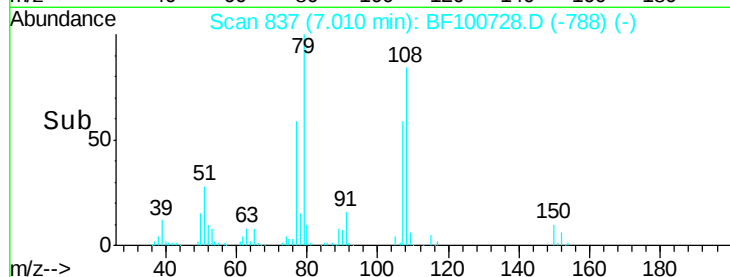
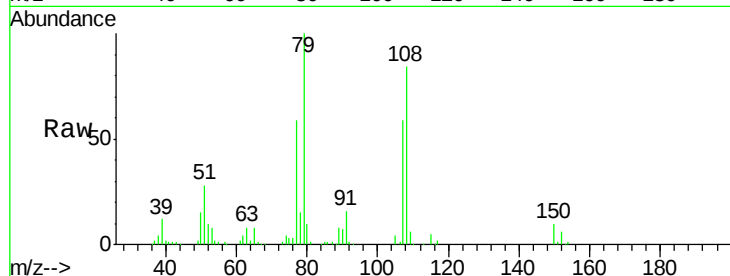
Tgt Ion: 79 Resp: 176763

Ion Ratio Lower Upper

79 100

108 84.5 65.1 97.7

77 59.2 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 35.90 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

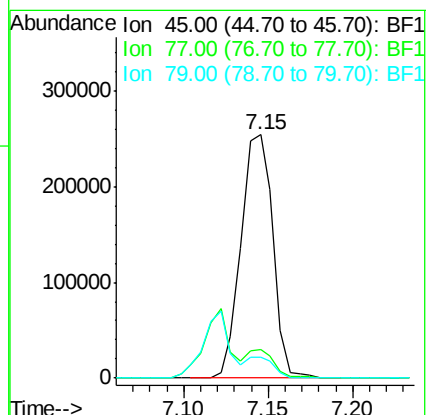
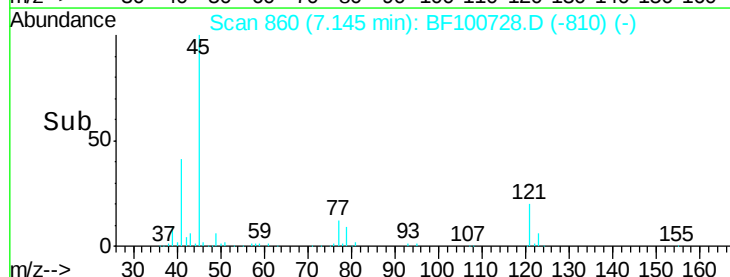
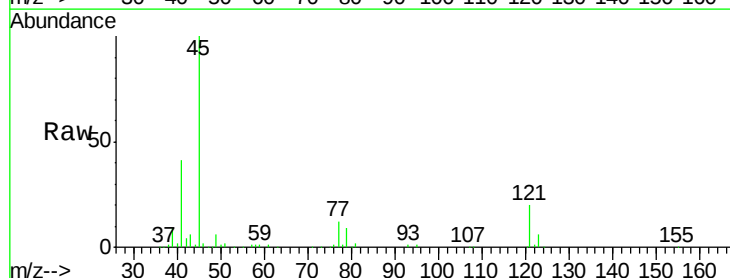
Tgt Ion: 45 Resp: 334839

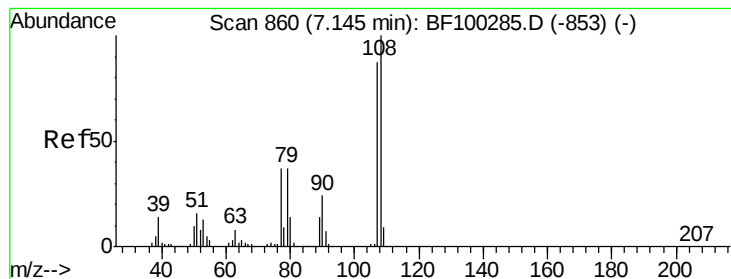
Ion Ratio Lower Upper

45 100

77 11.5 0.0 32.9

79 8.8 0.0 29.6





#17

2-Methylphenol

Concen: 36.32 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

Tgt Ion:107 Resp: 176096

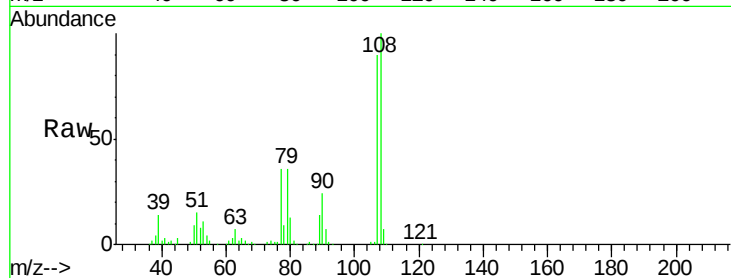
Ion Ratio Lower Upper

107 100

108 111.6 91.7 137.5

77 40.6 33.8 50.8

79 39.7 33.8 50.8

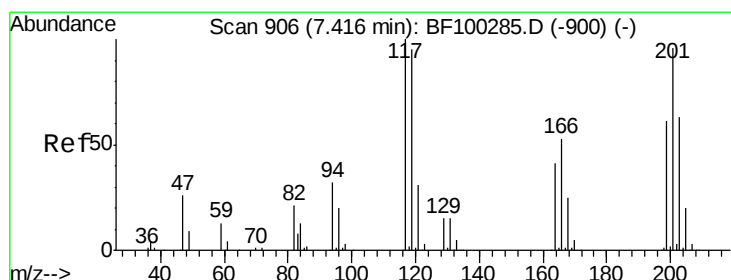
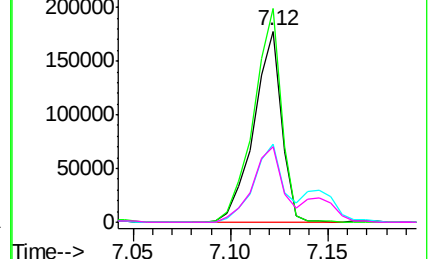
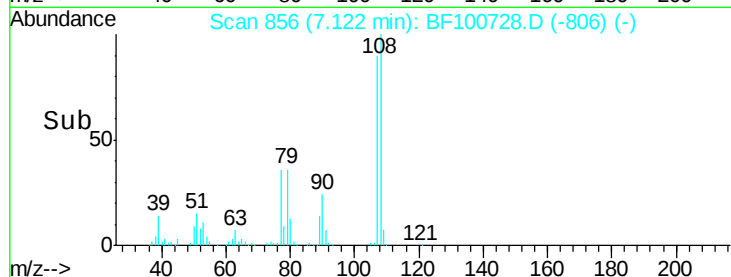


Abundance Ion 107.00 (106.70 to 107.70): E

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: 36.83 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

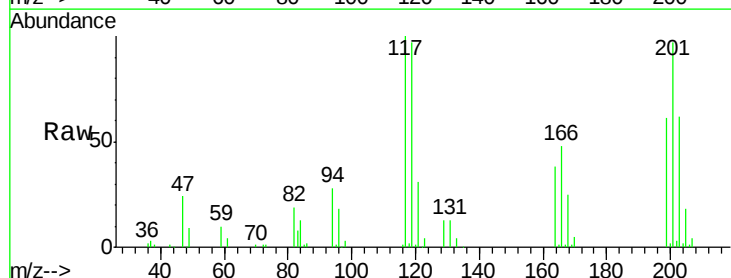
Tgt Ion:117 Resp: 80395

Ion Ratio Lower Upper

117 100

119 97.3 75.8 113.8

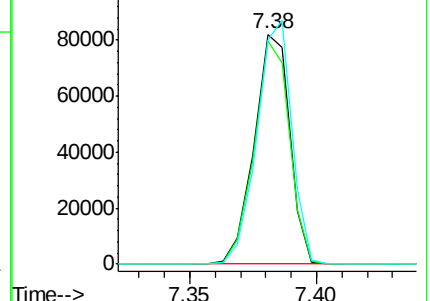
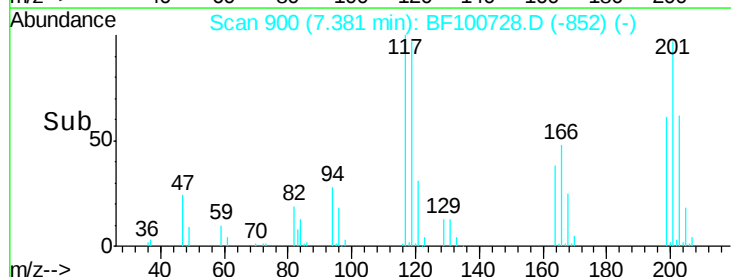
201 97.5 75.7 113.5

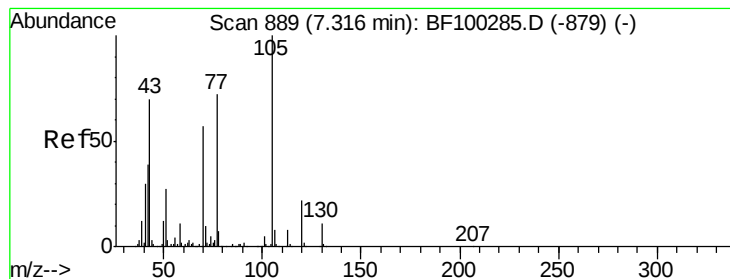


Abundance Ion 117.00 (116.70 to 117.70): E

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: 30.96 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

Tgt Ion: 70 Resp: 142009

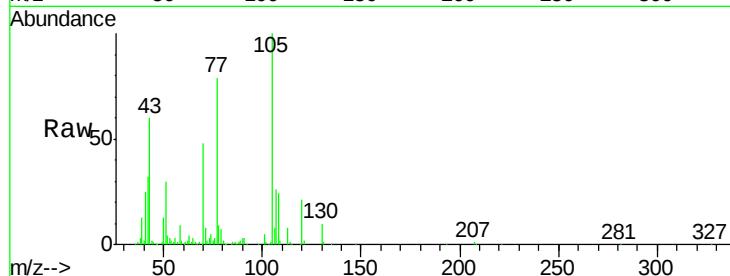
Ion Ratio Lower Upper

70 100

42 65.2 47.5 71.3

101 10.0 7.4 11.2

130 19.9 16.6 25.0

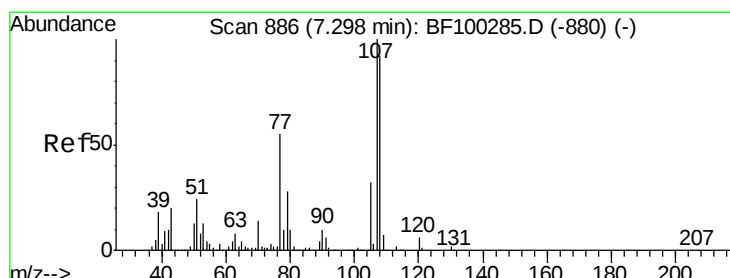
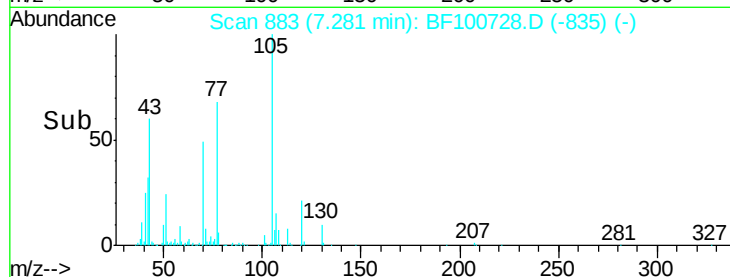
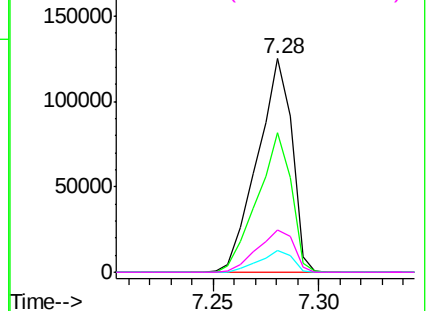


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 35.35 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Tgt Ion: 107 Resp: 216865

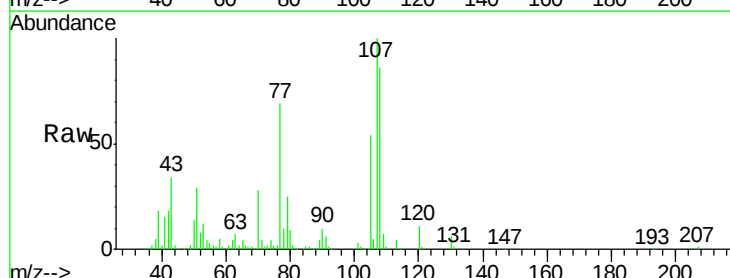
Ion Ratio Lower Upper

107 100

108 86.0 68.2 108.2

77 69.3 26.7 66.7#

79 25.1 6.3 46.3

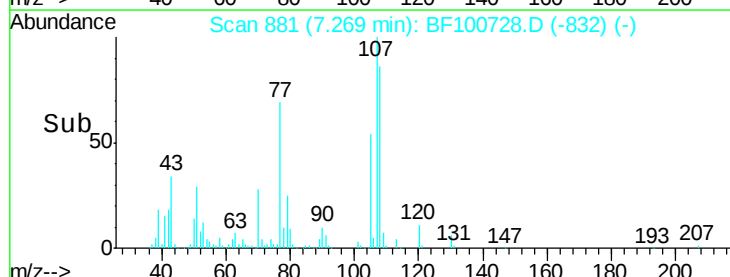
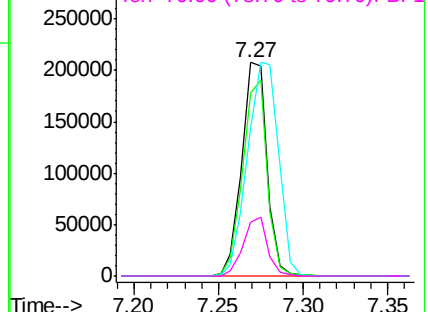


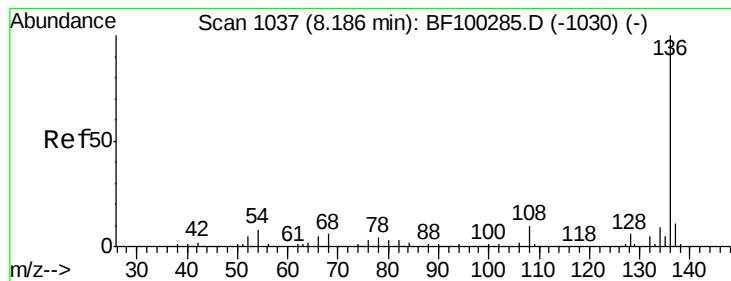
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

Tgt Ion:136 Resp: 354224

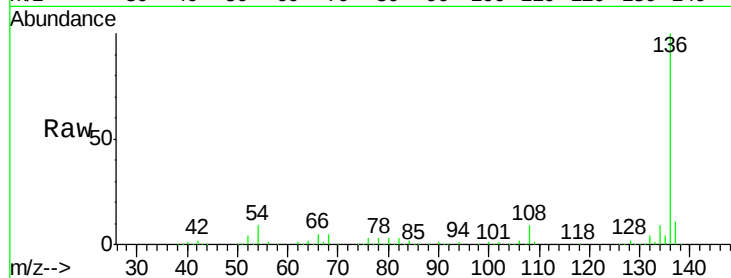
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 8.6 6.6 9.8

68 5.5 5.0 7.4

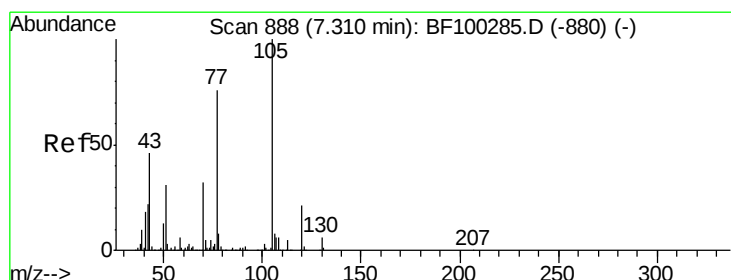
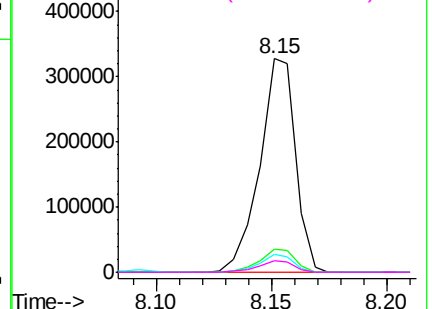
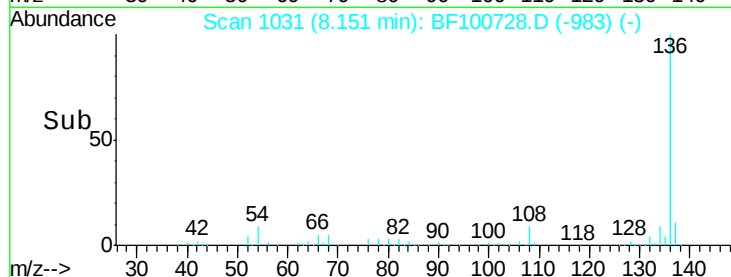


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.43 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Tgt Ion:105 Resp: 280108

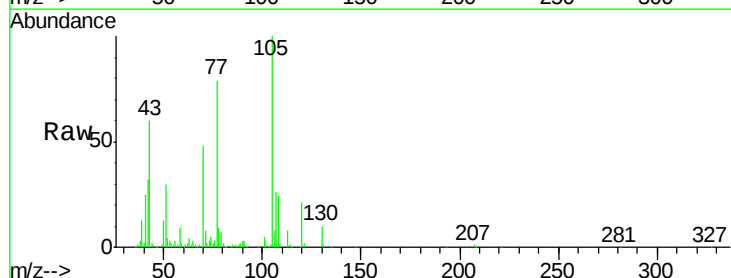
Ion Ratio Lower Upper

105 100

71 7.9 4.4 6.6#

51 30.2 22.3 33.5

120 21.2 16.9 25.3

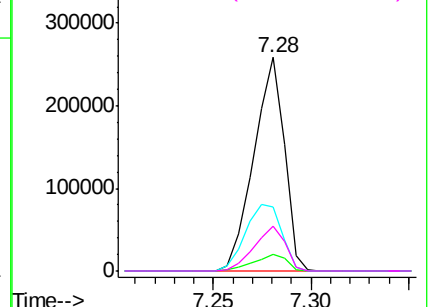
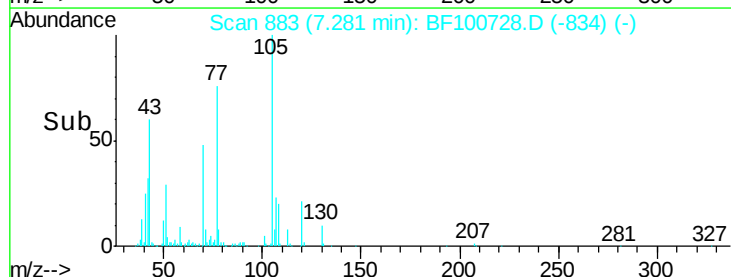


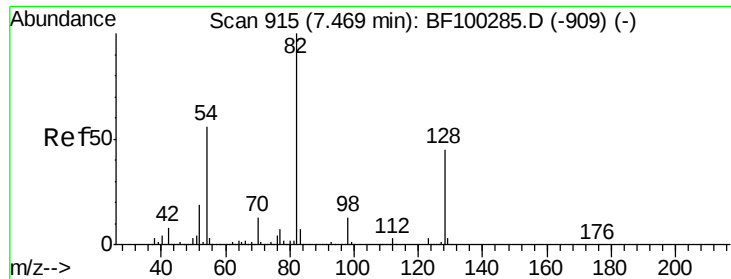
Abundance Ion 105.00 (104.70 to 105.70): E

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

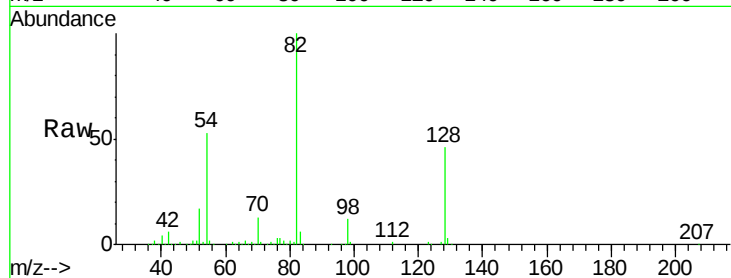




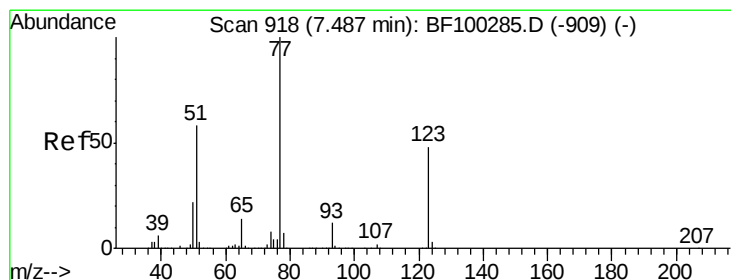
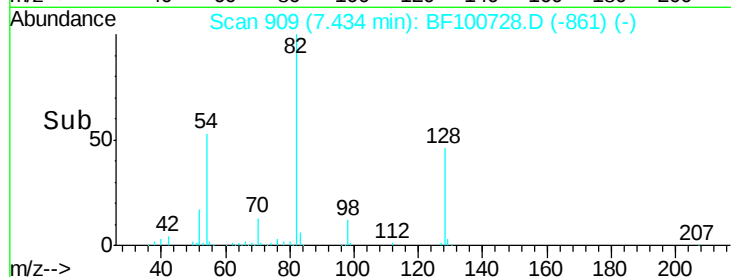
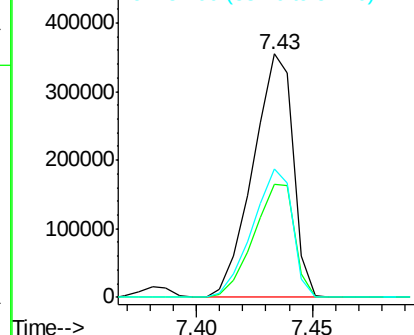
#23
 Nitrobenzene-d5
 Concen: 80.38 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

Tgt Ion: 82 Resp: 430643
 Ion Ratio Lower Upper
 82 100
 128 46.3 36.1 54.1
 54 52.8 41.4 62.2

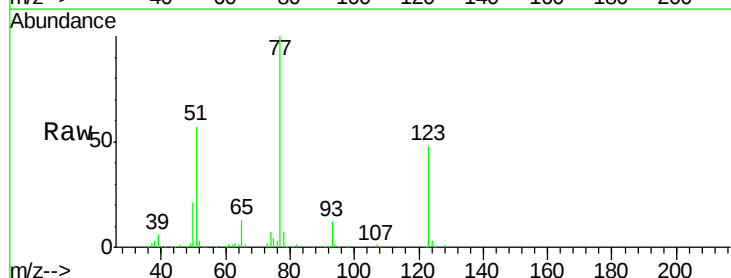


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

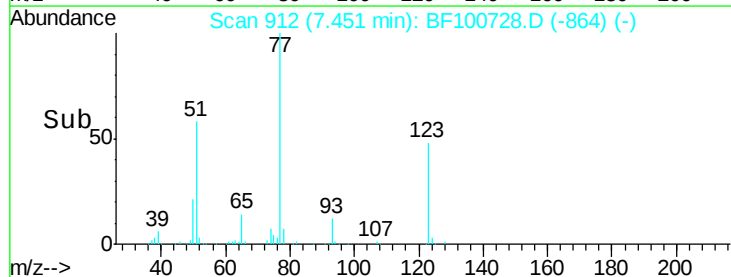
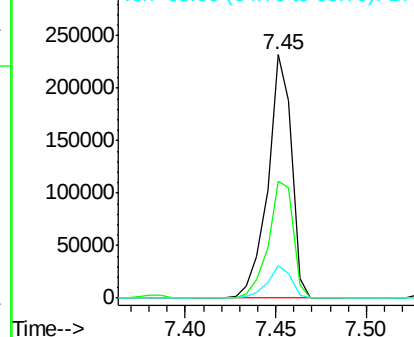


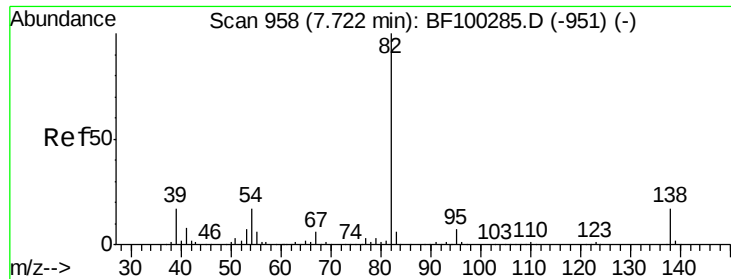
#24
 Nitrobenzene
 Concen: 38.11 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion: 77 Resp: 210166
 Ion Ratio Lower Upper
 77 100
 123 48.3 37.9 56.9
 65 13.5 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: 34.15 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

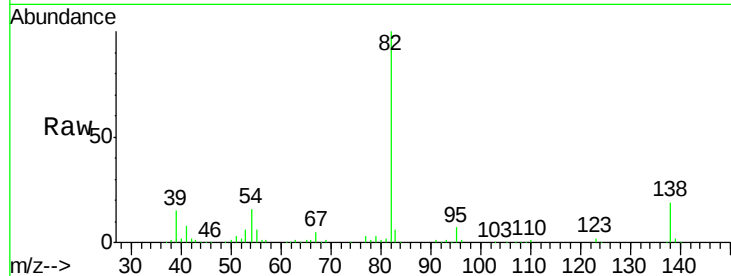
Tgt Ion: 82 Resp: 384459

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

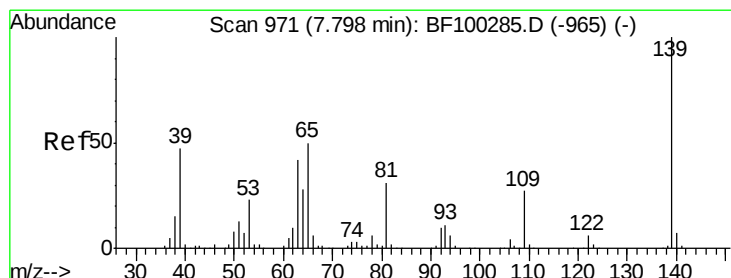
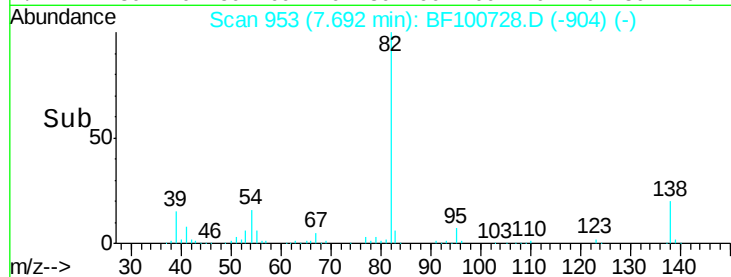
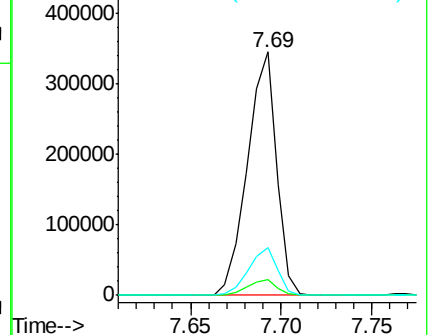
138 19.5 14.9 22.3



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: 45.11 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

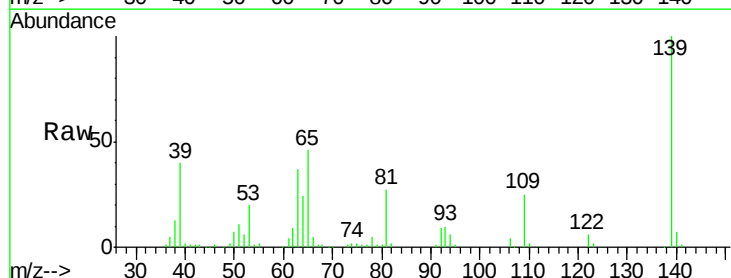
Tgt Ion: 139 Resp: 115687

Ion Ratio Lower Upper

139 100

109 24.7 22.7 34.1

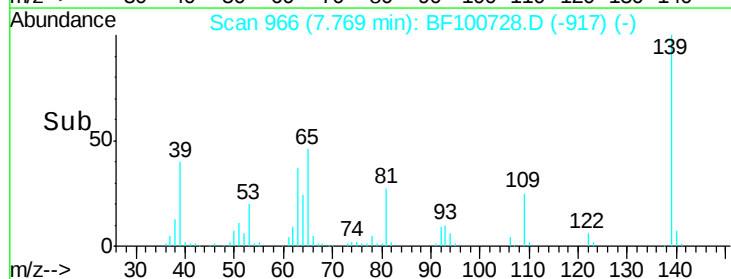
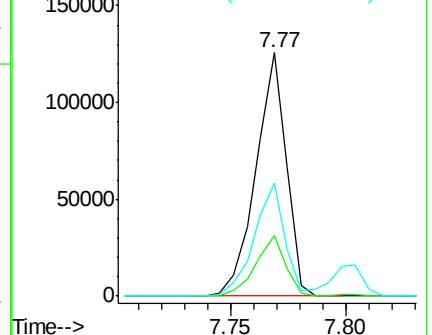
65 46.4 40.5 60.7

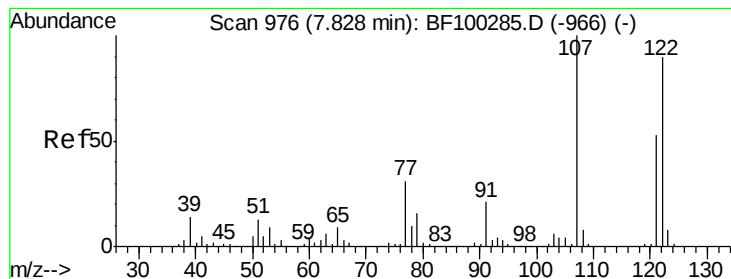


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 39.12 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

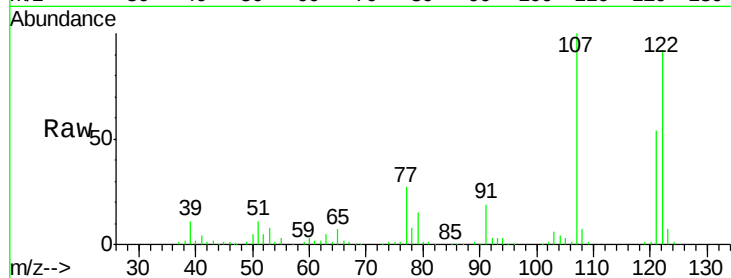
Tgt Ion: 122 Resp: 197466

Ion Ratio Lower Upper

122 100

107 108.9 91.2 136.8

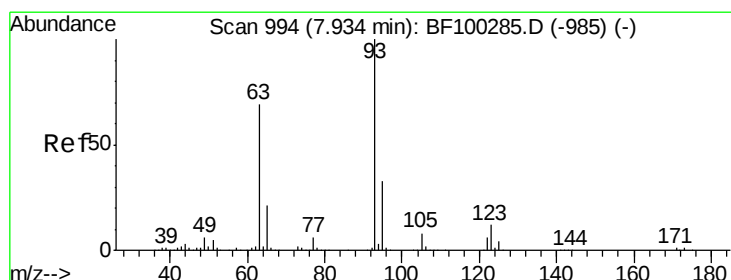
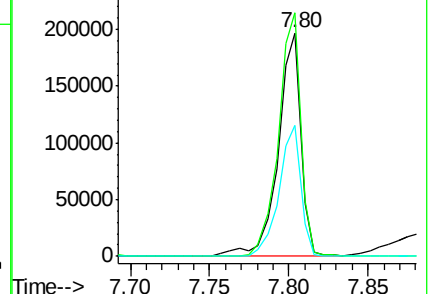
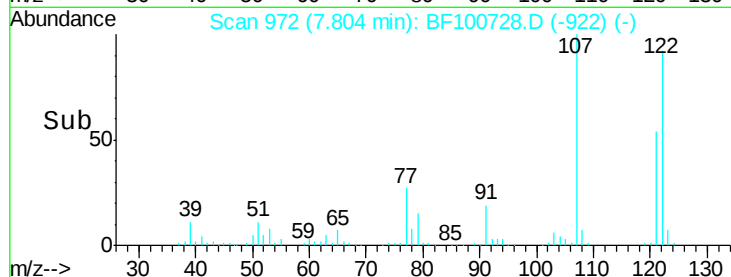
121 58.8 47.2 70.8



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: 33.64 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

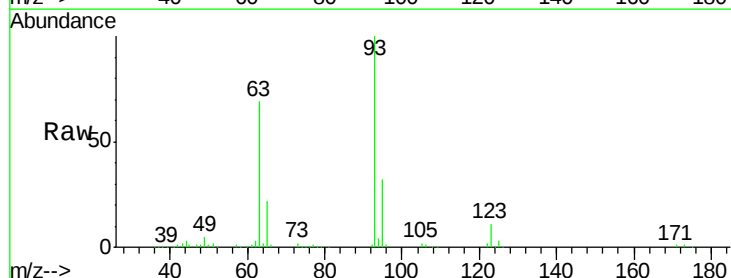
Tgt Ion: 93 Resp: 247783

Ion Ratio Lower Upper

93 100

95 32.2 26.3 39.5

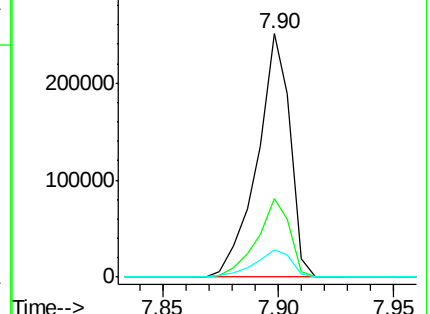
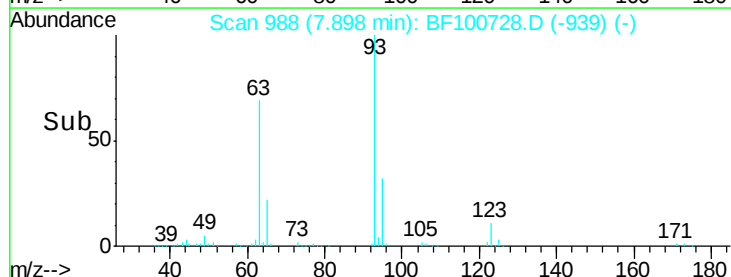
123 11.3 9.8 14.6

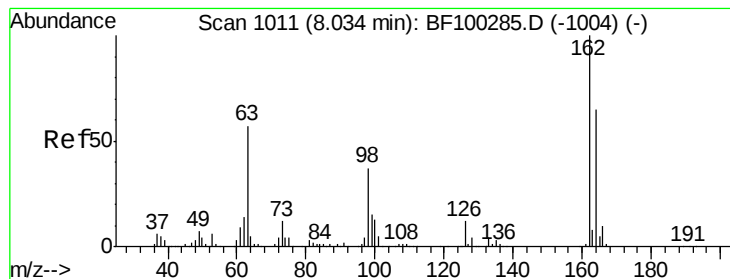


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 39.41 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampled :

IDOC-SOIL-02

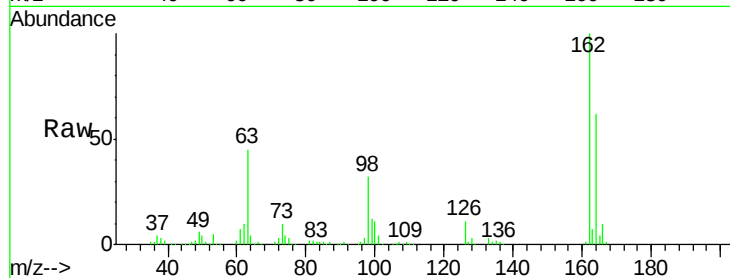
Tgt Ion:162 Resp: 189891

Ion Ratio Lower Upper

162 100

164 62.0 42.7 82.7

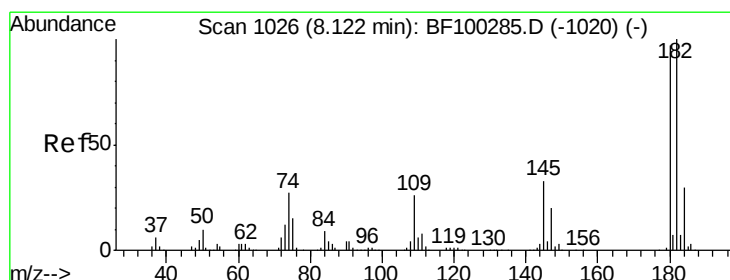
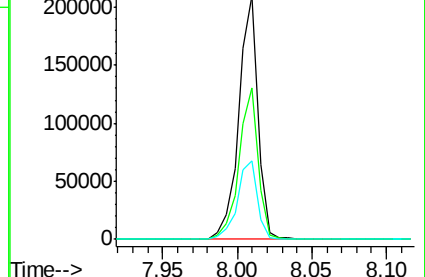
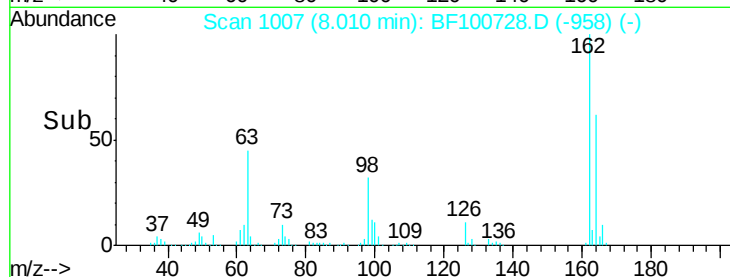
98 32.4 18.1 58.1



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: 37.82 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

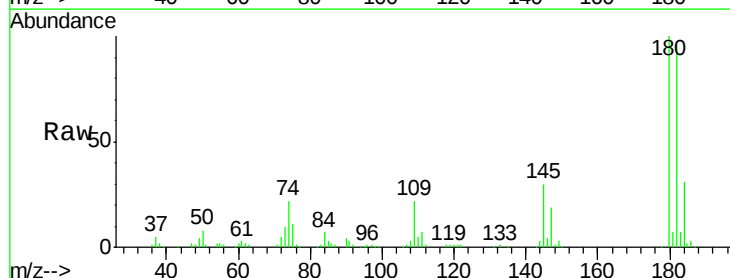
Tgt Ion:180 Resp: 197135

Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

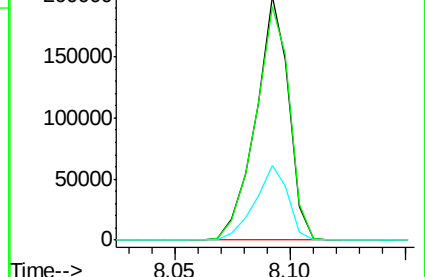
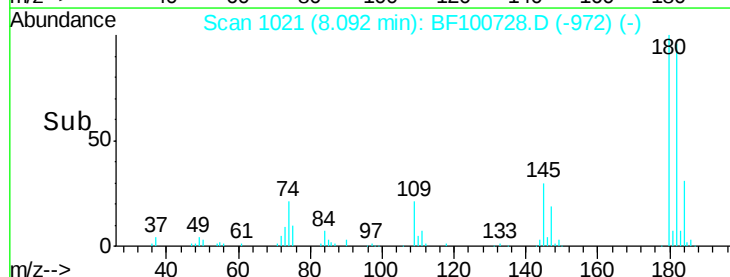
145 30.4 26.5 39.7

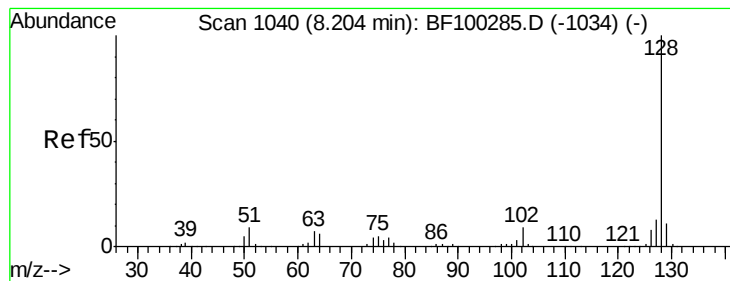


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 35.93 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

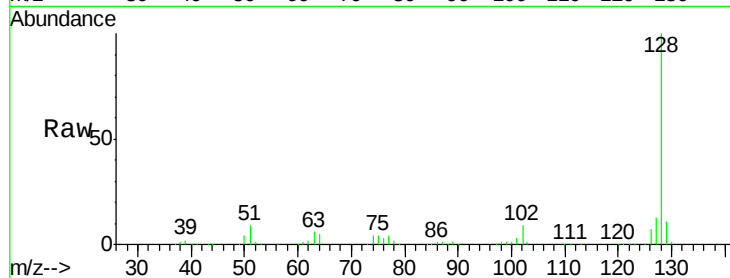
Tgt Ion:128 Resp: 613081

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

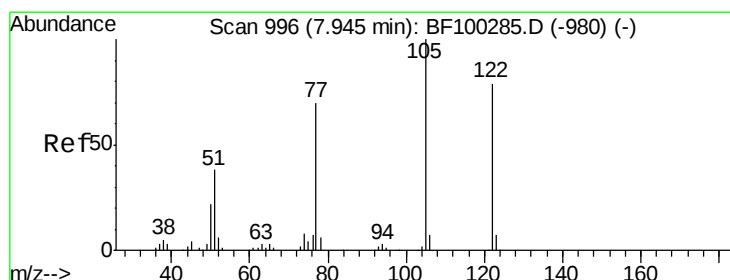
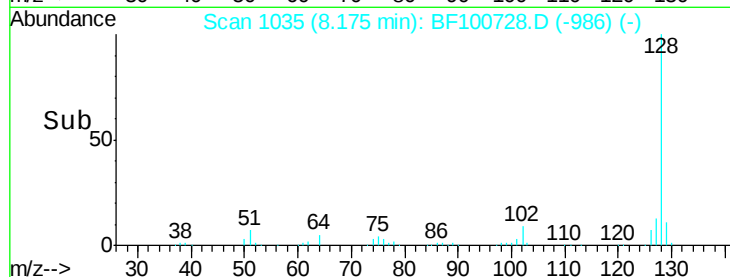
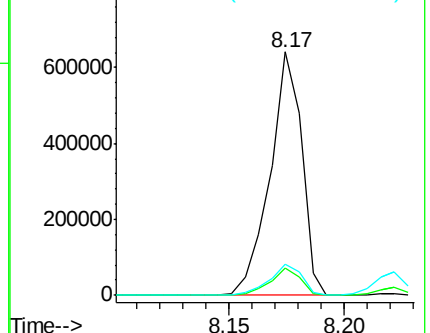
127 13.0 10.9 16.3



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: 18.19 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.04 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

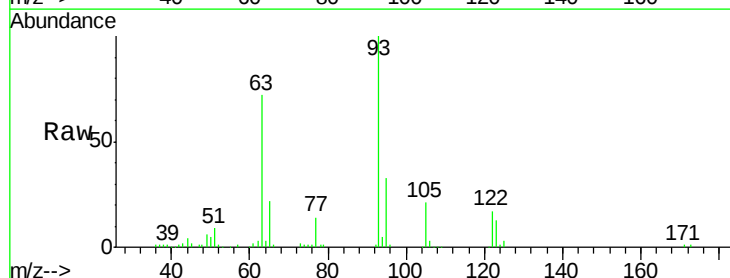
Tgt Ion:122 Resp: 42363

Ion Ratio Lower Upper

122 100

105 120.9 101.1 141.1

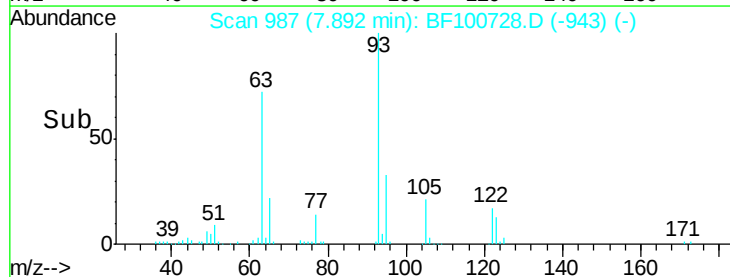
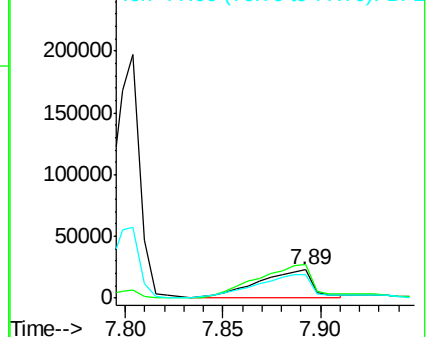
77 84.1 70.7 110.7

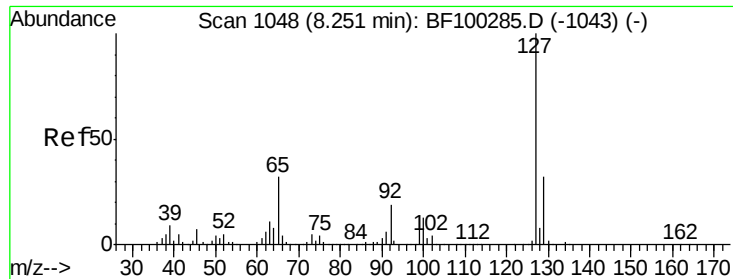


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

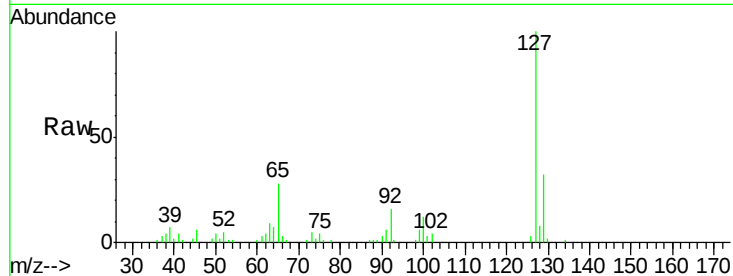




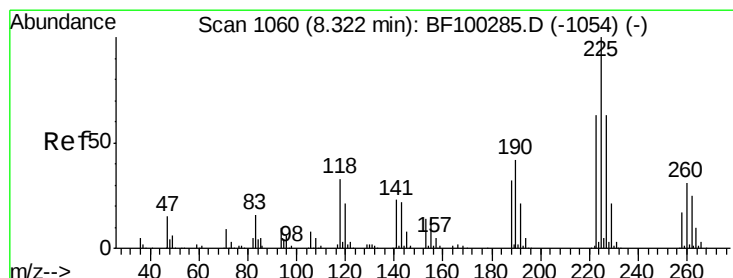
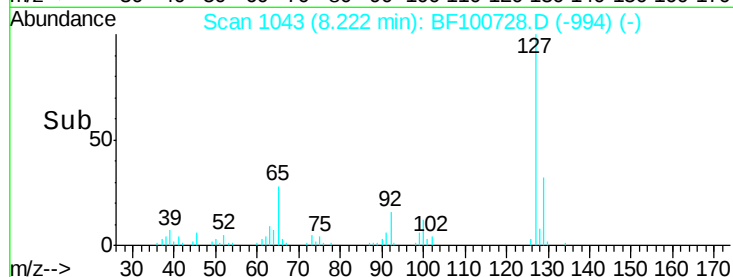
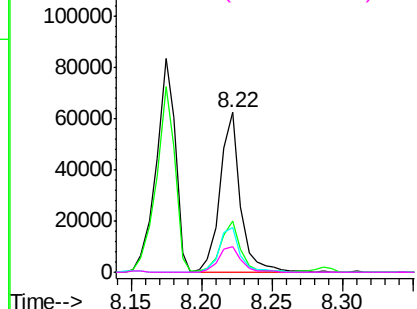
#33
4-Chloroaniline
Concen: 8.87 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

Tgt Ion:	127	Resp:	62961
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	28.0	25.0	37.4
92	15.9	15.2	22.8

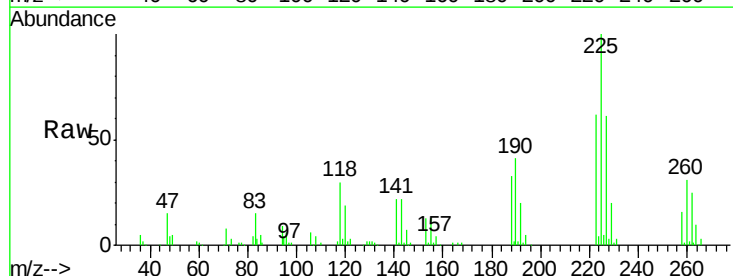


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

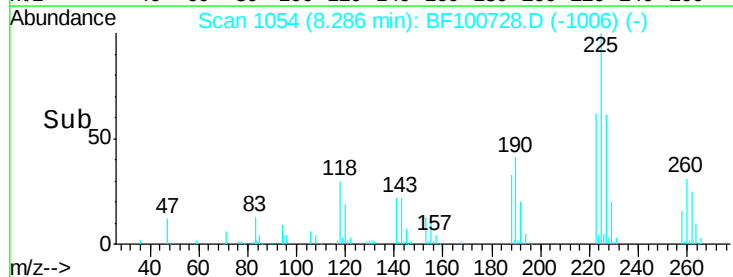
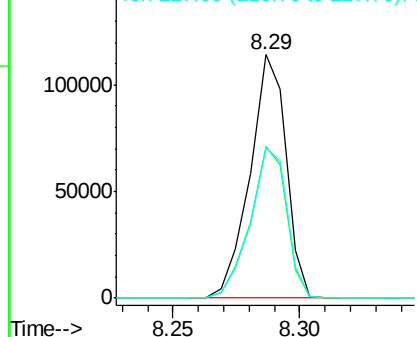


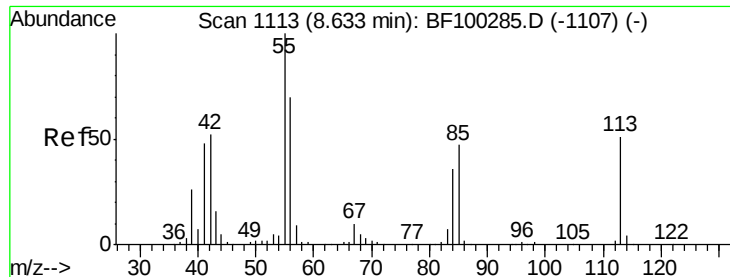
#34
Hexachlorobutadiene
Concen: 36.55 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:	225	Resp:	113271
Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	76.0
227	61.4	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: 30.41 ng

RT: 8.59 min Scan# 1106

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

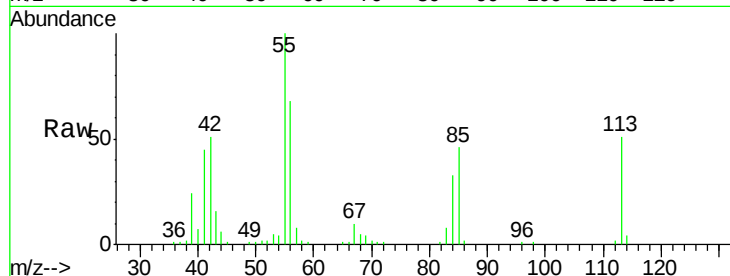
Tgt Ion:113 Resp: 50279

Ion Ratio Lower Upper

113 100

55 194.4 163.3 203.3

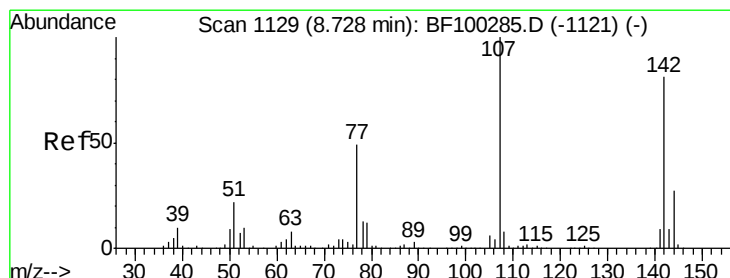
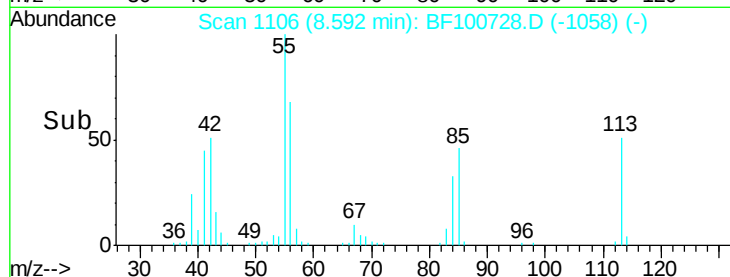
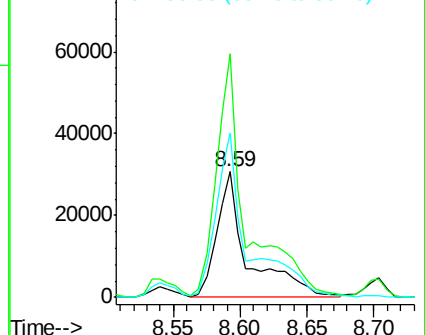
56 131.5 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 36.28 ng

RT: 8.70 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

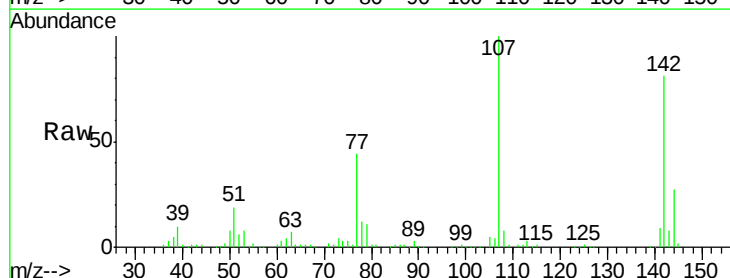
Tgt Ion:107 Resp: 187750

Ion Ratio Lower Upper

107 100

144 27.2 20.5 30.7

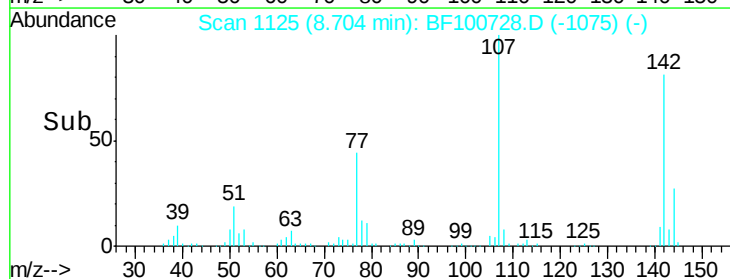
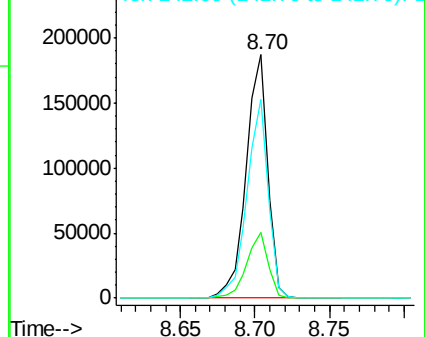
142 81.4 62.0 93.0

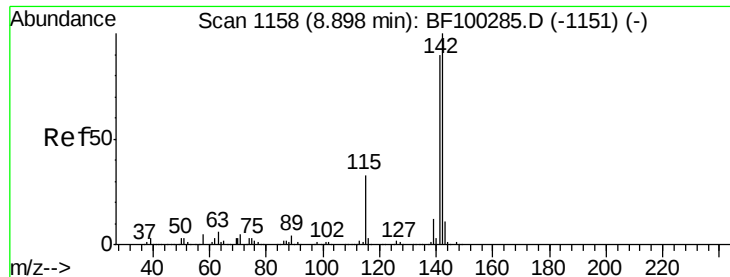


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

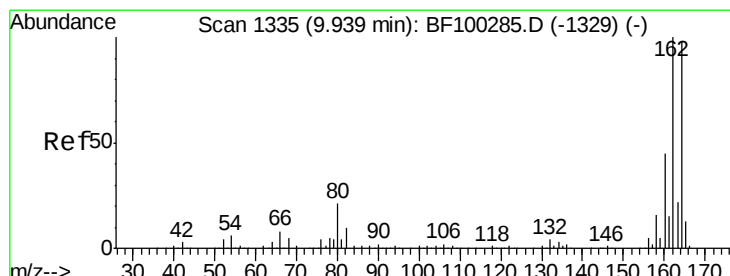
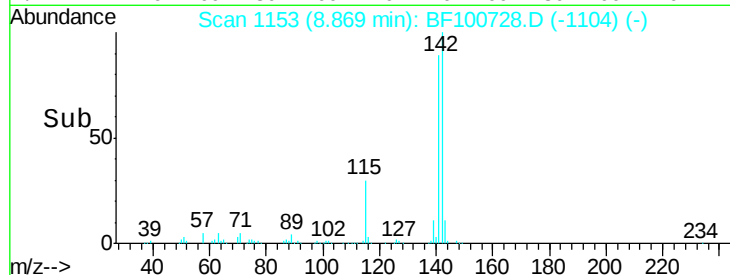
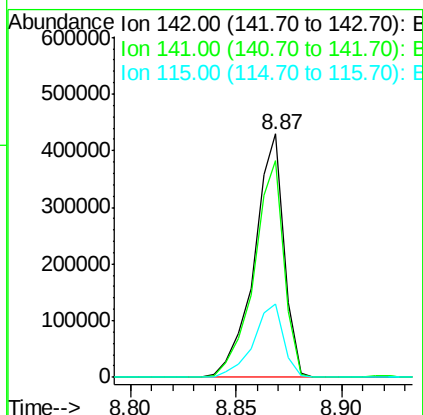
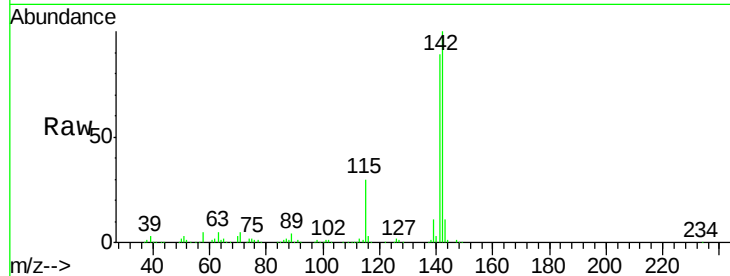




#37
 2-Methylnaphthalene
 Concen: 37.08 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

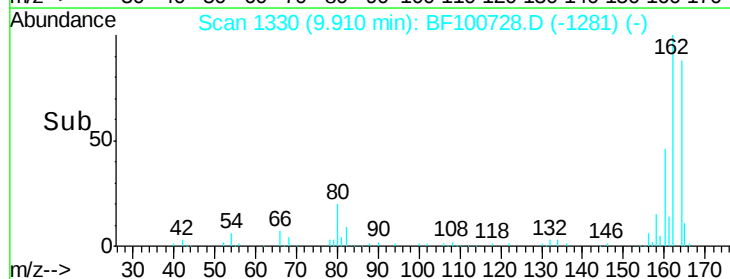
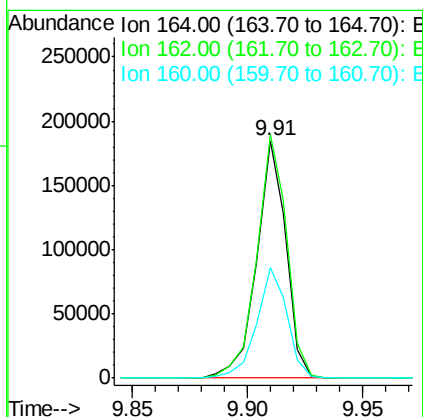
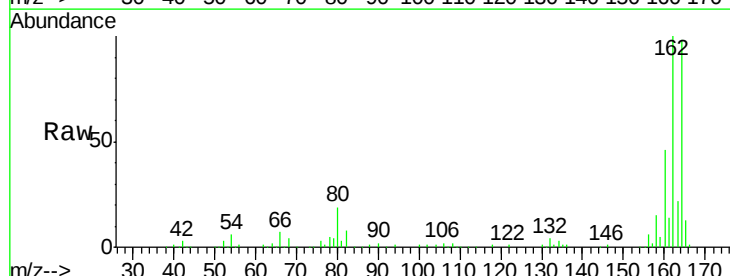
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

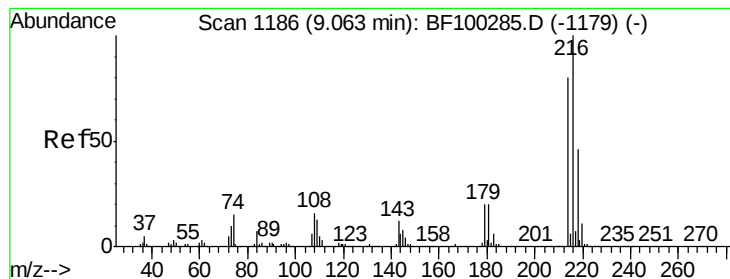
Tgt Ion:142 Resp: 420005
 Ion Ratio Lower Upper
 142 100
 141 89.2 70.8 106.2
 115 30.2 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion:164 Resp: 163136
 Ion Ratio Lower Upper
 164 100
 162 102.5 86.1 129.1
 160 46.7 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.26 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

Tgt Ion:216 Resp: 196191

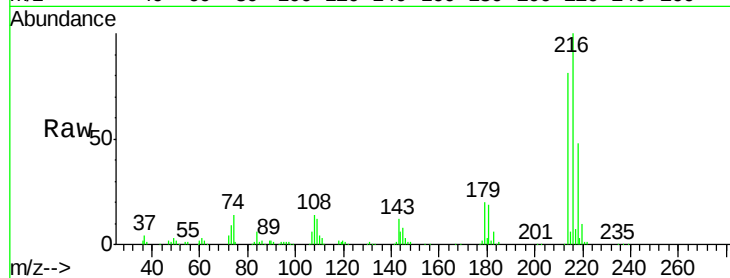
Ion Ratio Lower Upper

216 100

214 79.7 63.0 94.4

179 20.0 18.1 27.1

108 17.1 17.2 25.8#

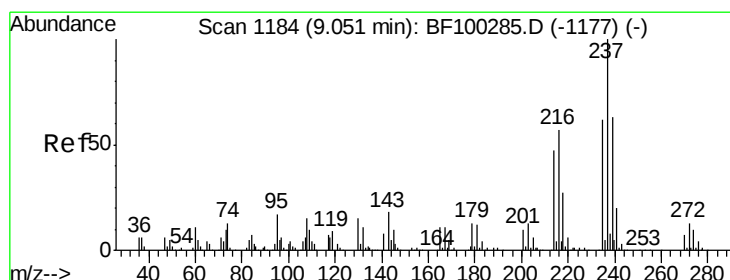
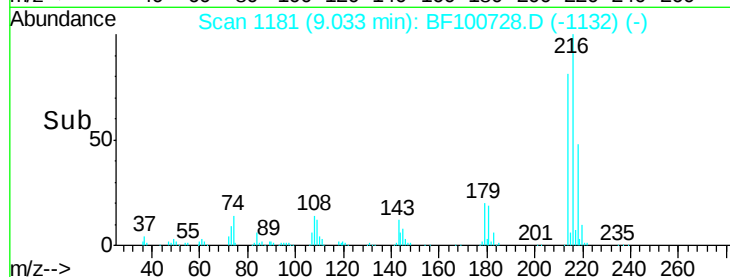
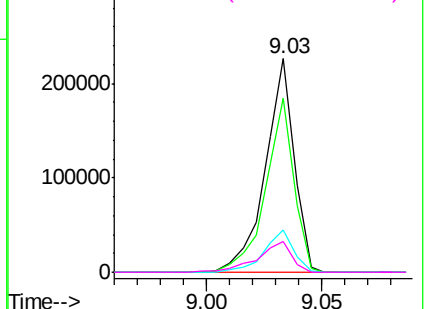


Abundance Ion 216.00 (215.70 to 216.70): E

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: 68.39 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

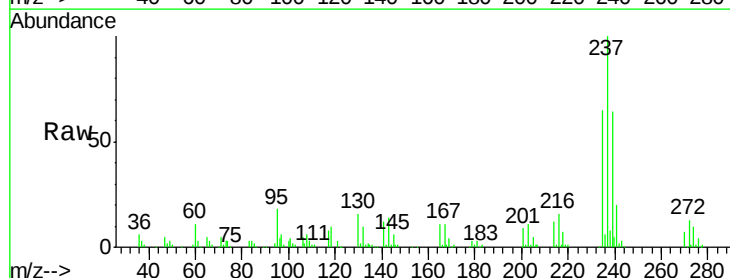
Tgt Ion:237 Resp: 174147

Ion Ratio Lower Upper

237 100

235 64.6 44.8 84.8

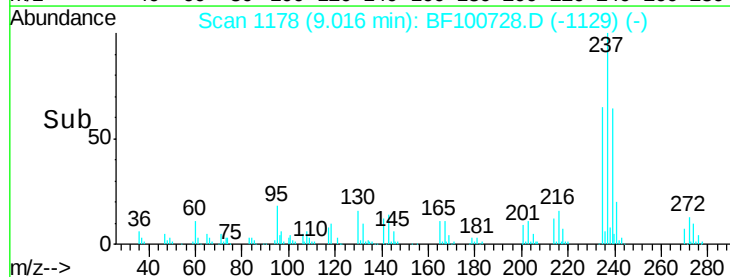
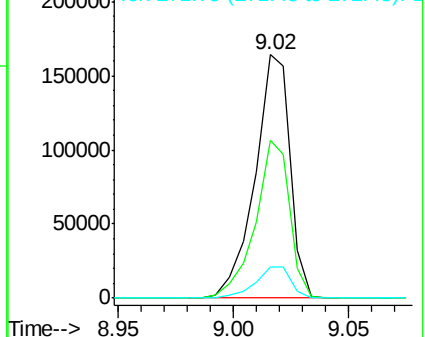
272 12.9 0.0 33.3

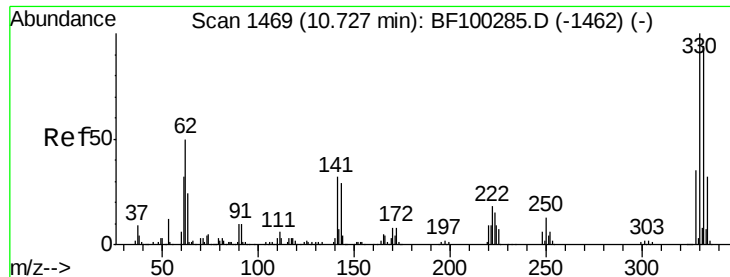


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

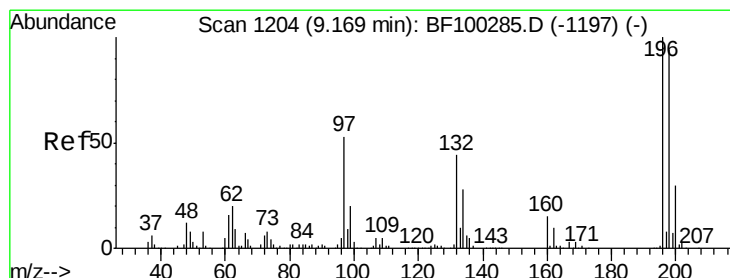
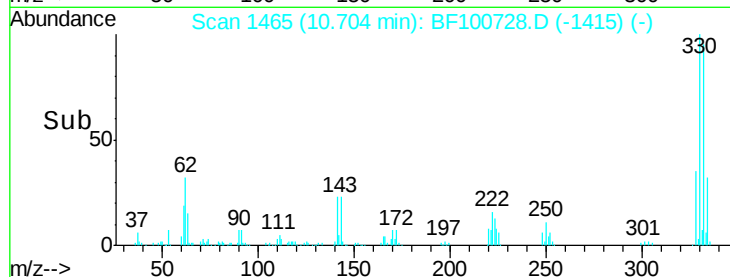
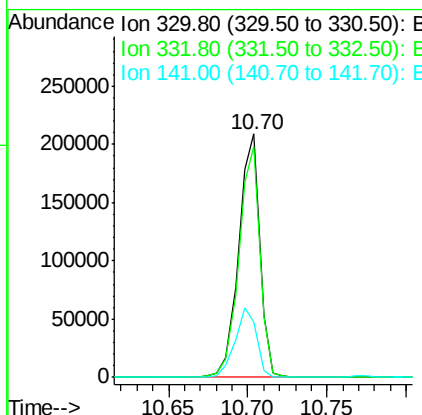
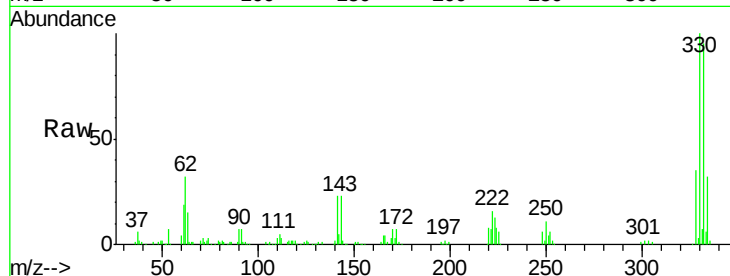




#41
 2,4,6-Tribromophenol
 Concen: 116.31 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

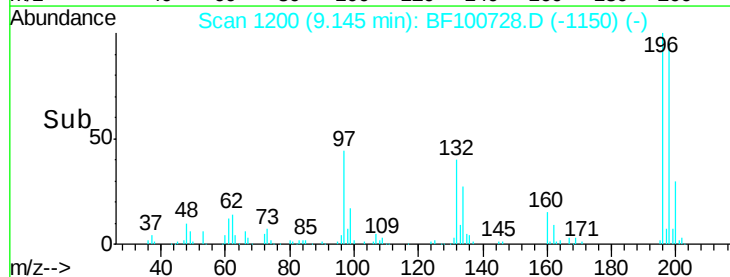
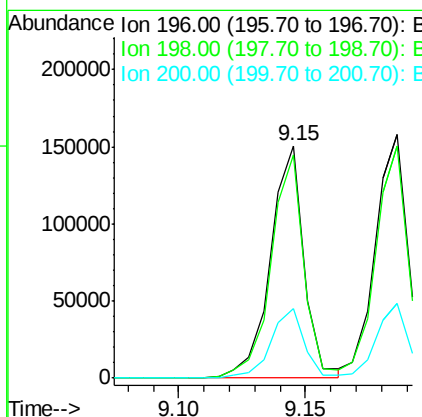
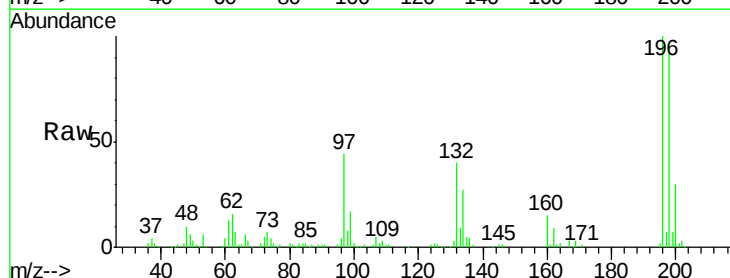
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

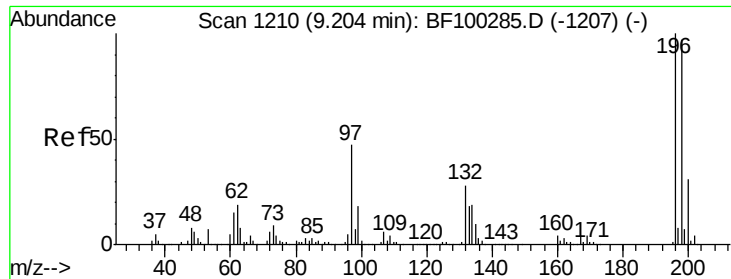
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	29.0	29.9	44.9#



#42
 2,4,6-Trichlorophenol
 Concen: 40.78 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.9	75.7	113.5
200	30.2	24.5	36.7

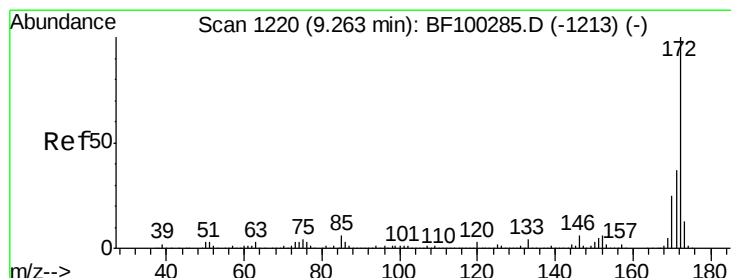
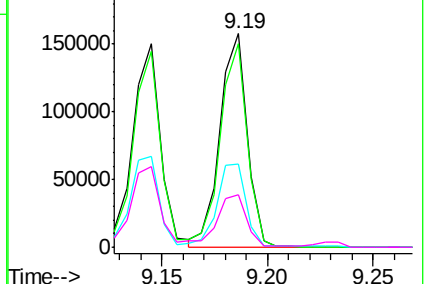
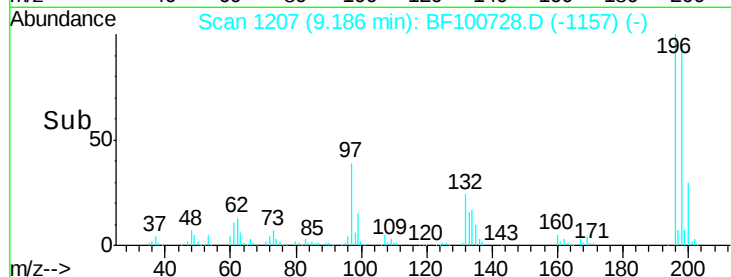
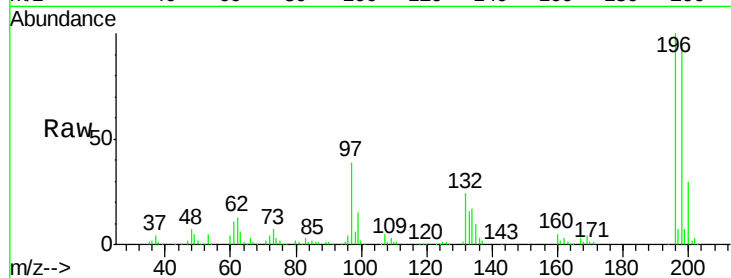




#43
 2,4,5-Trichlorophenol
 Concen: 39.90 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

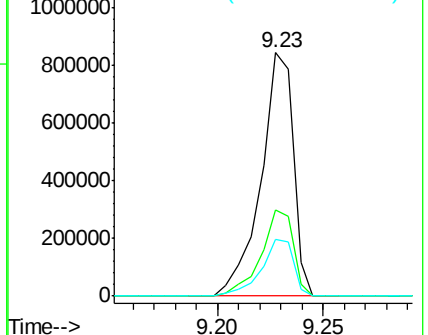
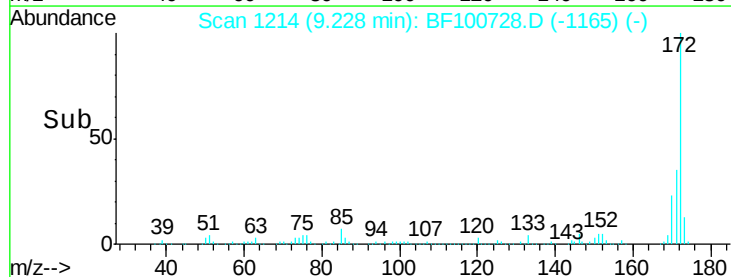
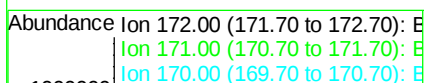
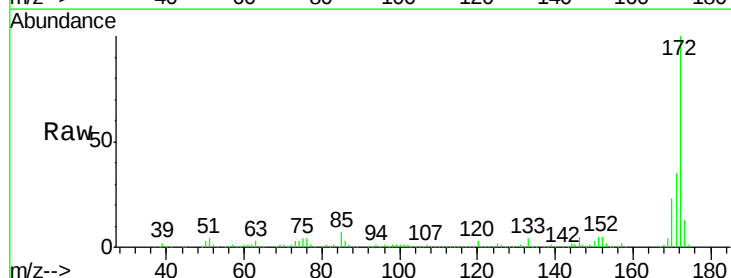
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

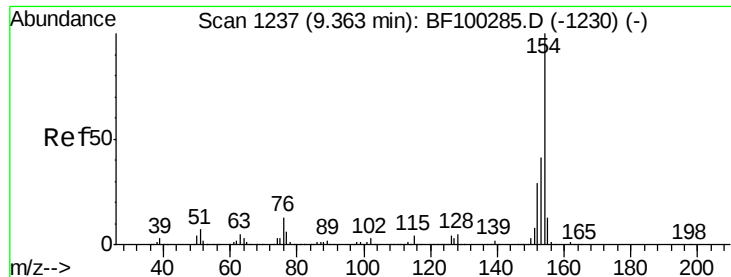
Tgt Ion:	196	Resp:	141745
Ion	Ratio	Lower	Upper
196	100		
198	95.3	74.6	112.0
97	39.2	42.9	64.3#
132	24.4	26.3	39.5#



#44
 2-Fluorobiphenyl
 Concen: 84.25 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion:	172	Resp:	902586
Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.4	19.6	29.4





#45

1,1'-Biphenyl

Concen: 35.69 ng

RT: 9.33 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

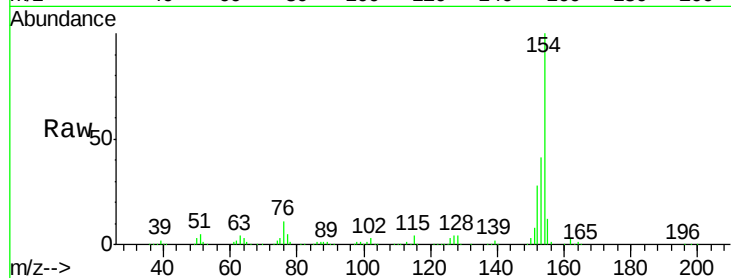
Tgt Ion:154 Resp: 503611

Ion Ratio Lower Upper

154 100

153 40.6 21.3 61.3

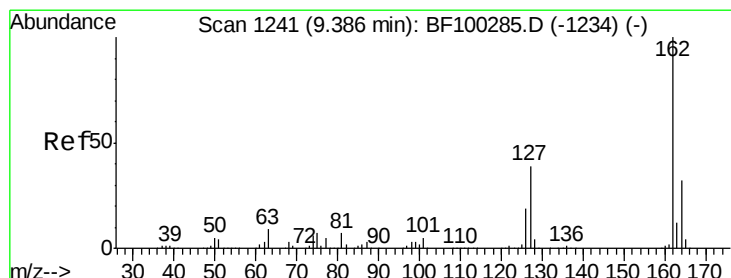
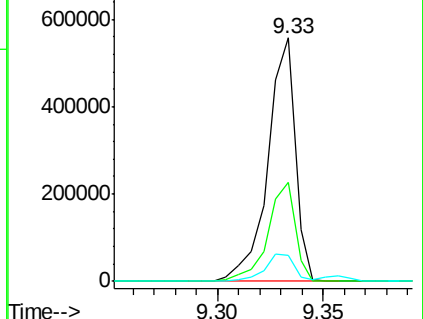
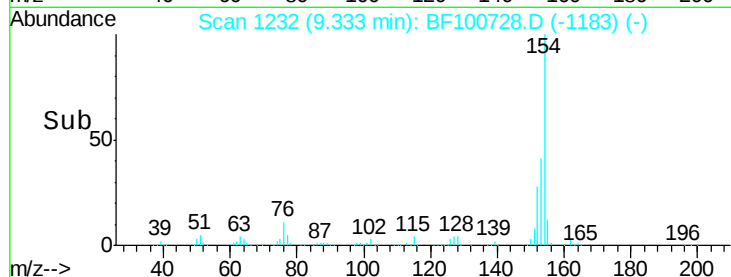
76 10.9 0.0 34.0



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: 38.84 ng

RT: 9.36 min Scan# 1236

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

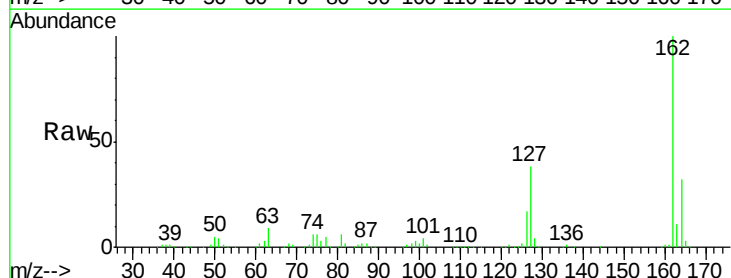
Tgt Ion:162 Resp: 397560

Ion Ratio Lower Upper

162 100

127 38.3 33.9 50.9

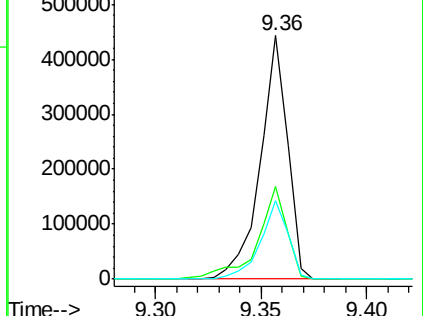
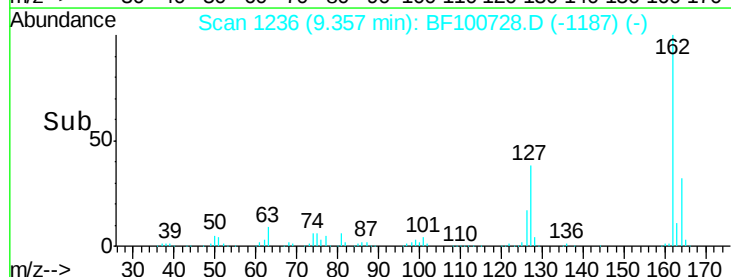
164 32.3 26.5 39.7

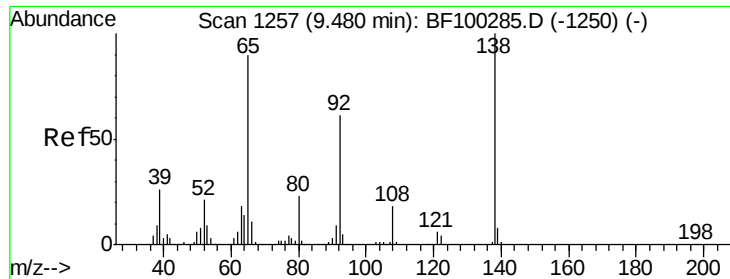


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

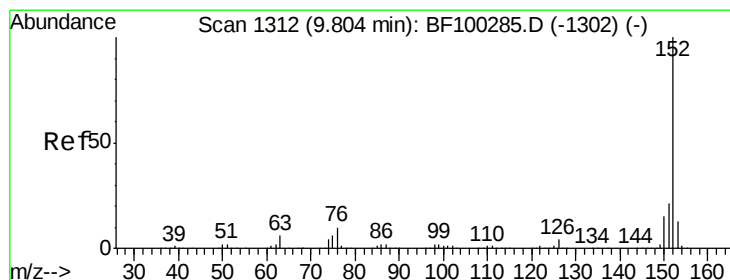
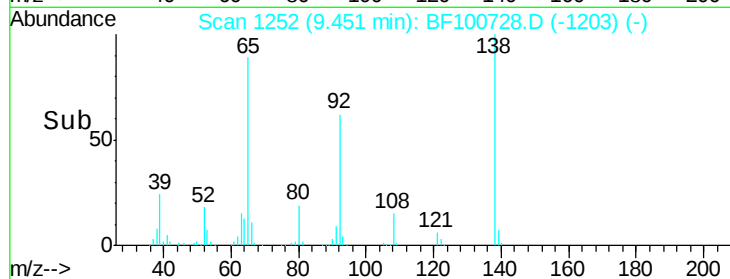
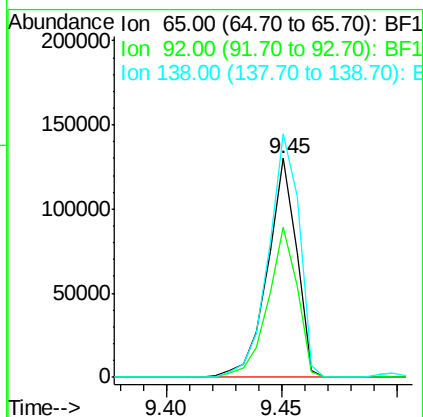
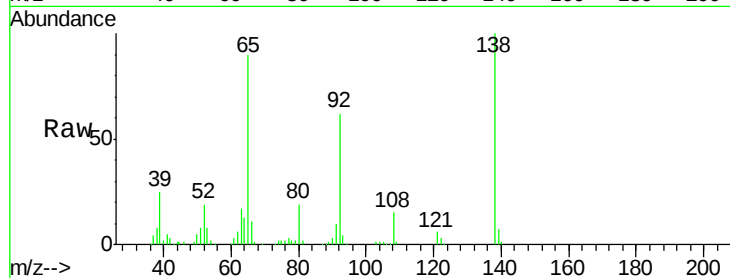




#47
2-Nitroaniline
Concen: 38.26 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

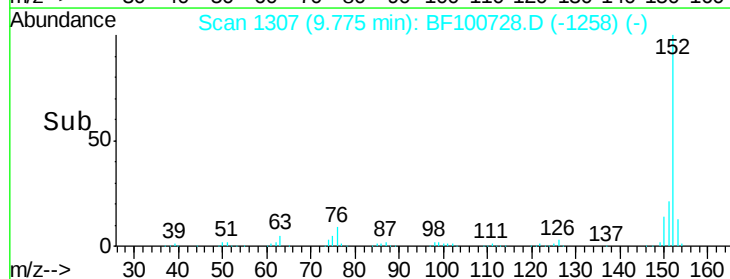
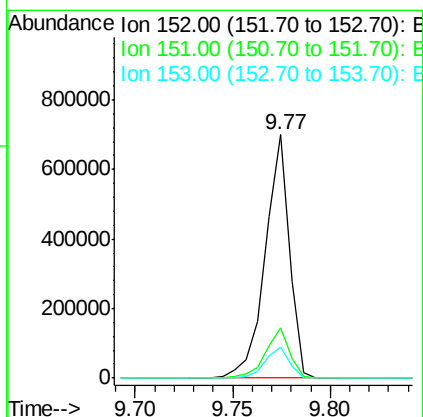
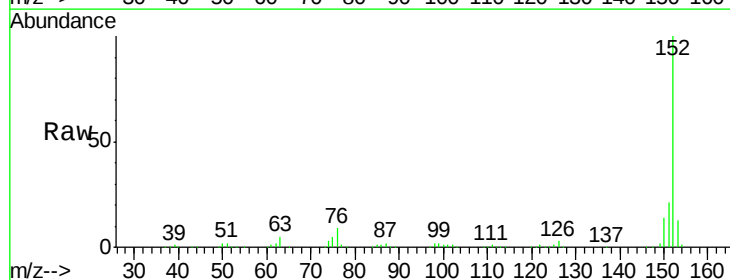
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

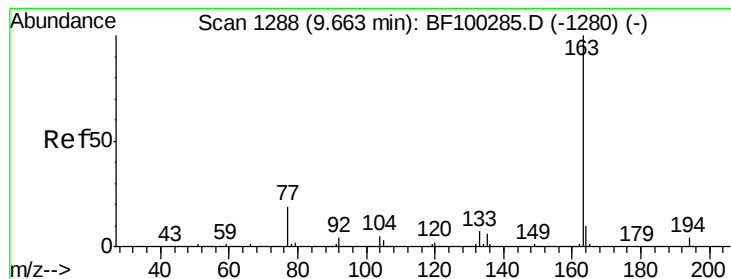
Tgt Ion: 65 Resp: 113904
Ion Ratio Lower Upper
65 100
92 68.6 55.8 83.6
138 111.3 91.2 136.8



#48
Acenaphthylene
Concen: 35.45 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion: 152 Resp: 601282
Ion Ratio Lower Upper
152 100
151 20.6 16.3 24.5
153 12.9 10.7 16.1





#49

Dimethylphthalate

Concen: 36.22 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

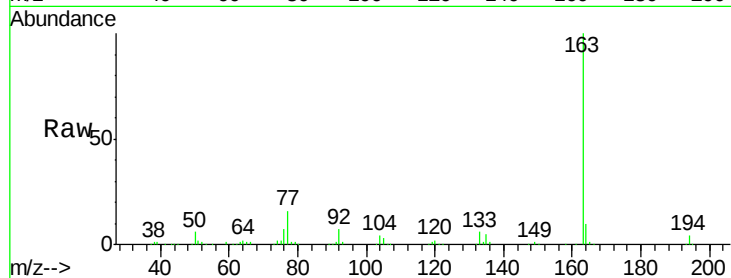
Tgt Ion:163 Resp: 451130

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

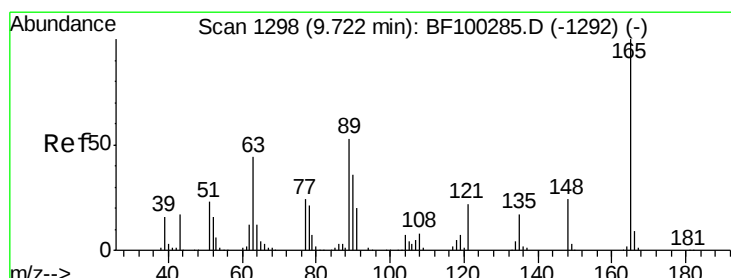
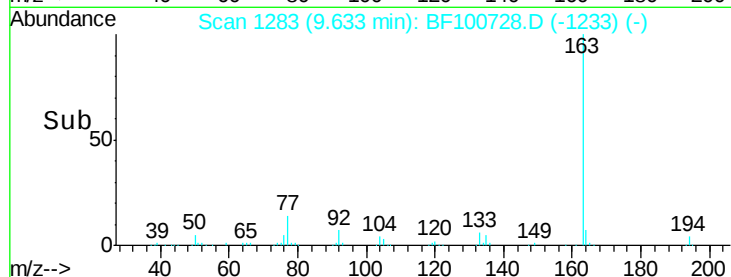
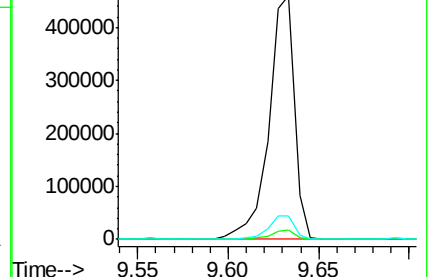
164 9.8 8.2 12.2



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: 40.86 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

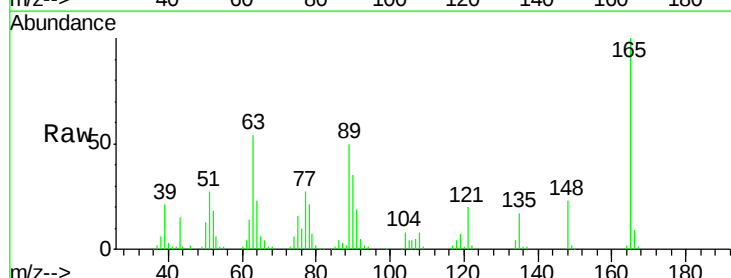
Tgt Ion:165 Resp: 100736

Ion Ratio Lower Upper

165 100

63 54.1 44.7 67.1

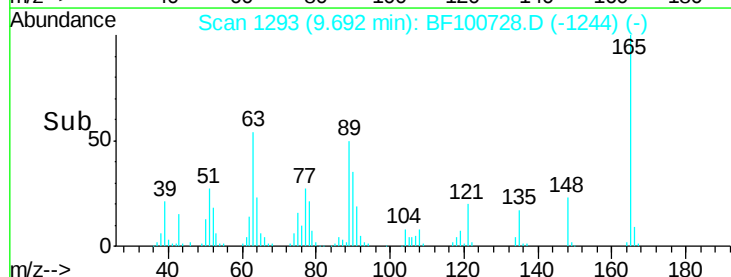
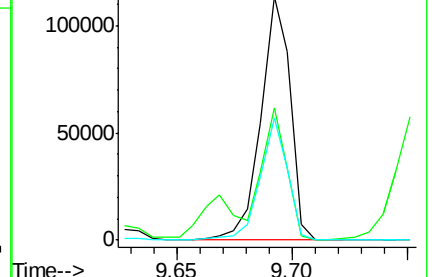
89 50.1 44.0 66.0

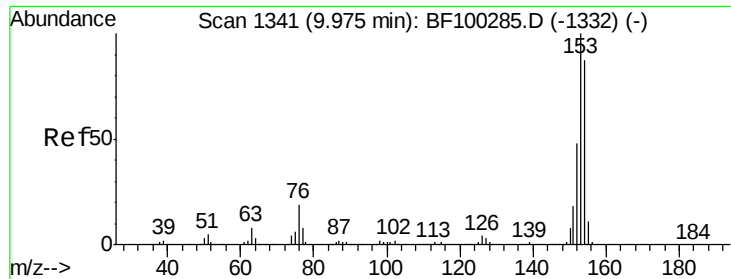


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 36.03 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

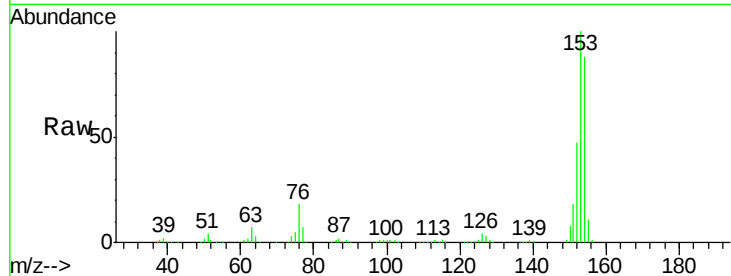
Tgt Ion:154 Resp: 371678

Ion Ratio Lower Upper

154 100

153 114.0 91.2 136.8

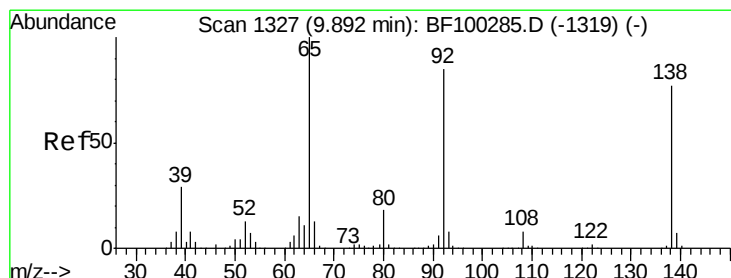
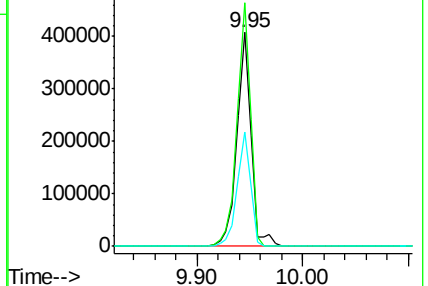
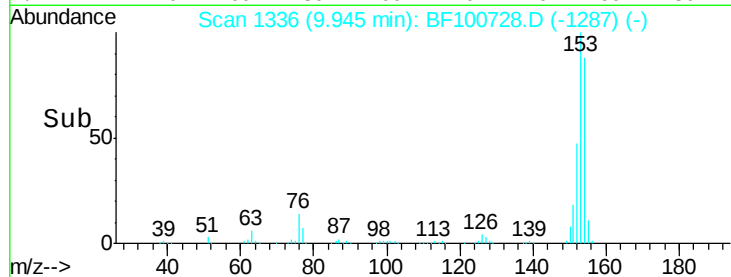
152 53.8 43.8 65.8



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: 19.21 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

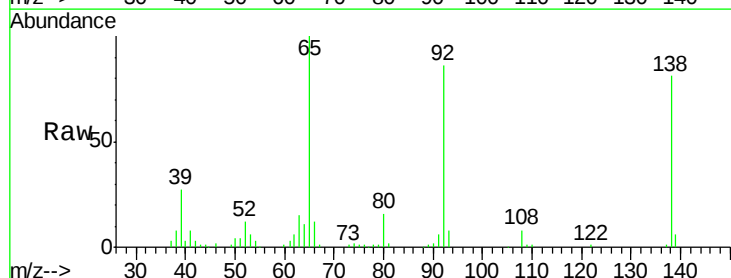
Tgt Ion:138 Resp: 55937

Ion Ratio Lower Upper

138 100

108 9.6 9.4 14.0

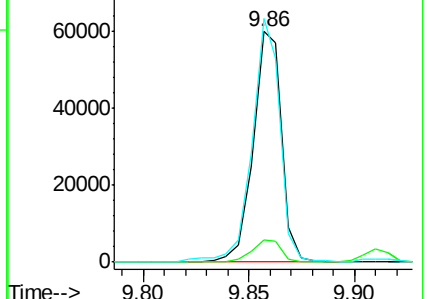
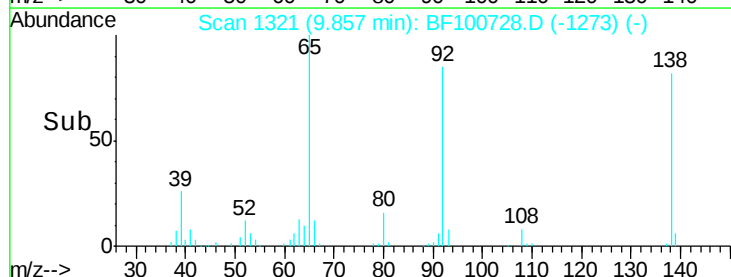
92 105.6 89.4 134.2

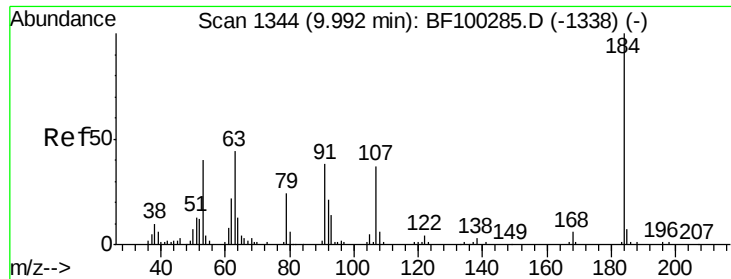


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

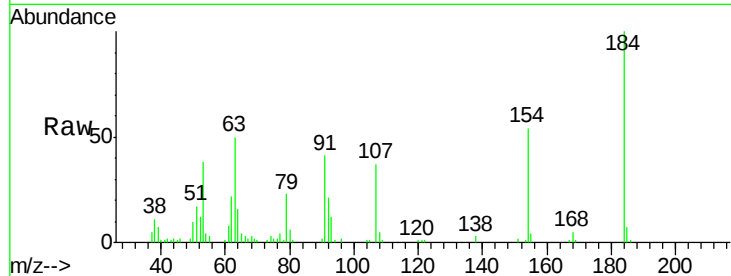




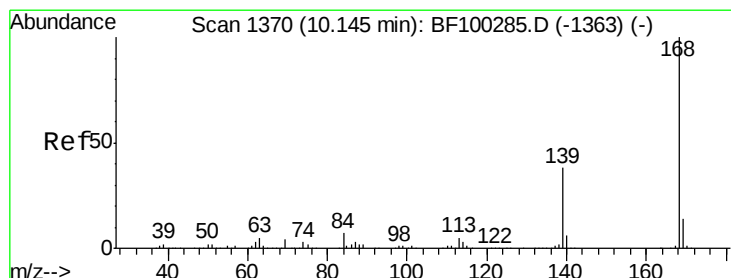
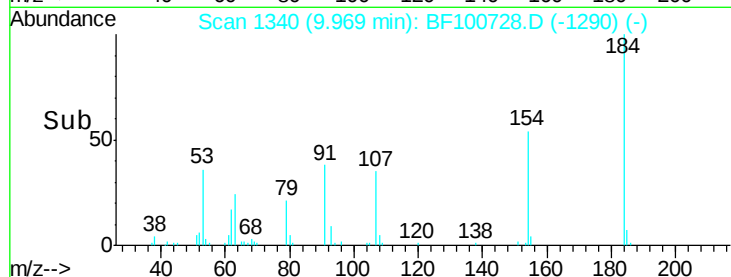
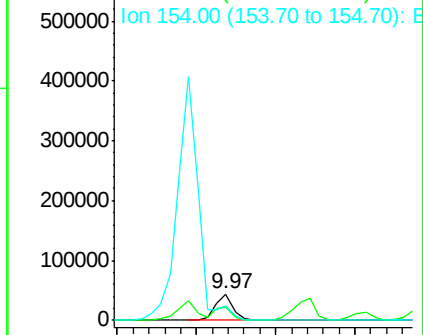
#53
2,4-Dinitrophenol
Concen: 43.29 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

Tgt Ion:184 Resp: 34824
Ion Ratio Lower Upper
184 100
63 50.1 54.2 81.2#
154 53.6 184.0 276.0#

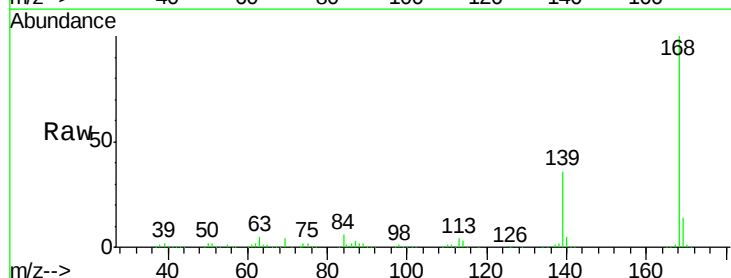


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

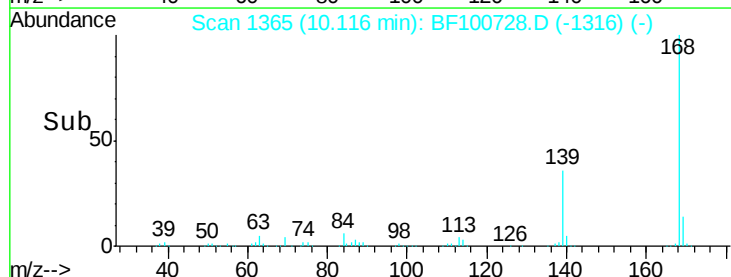
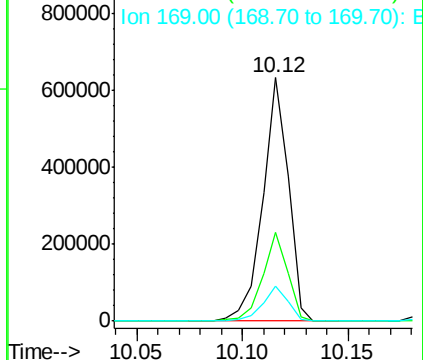


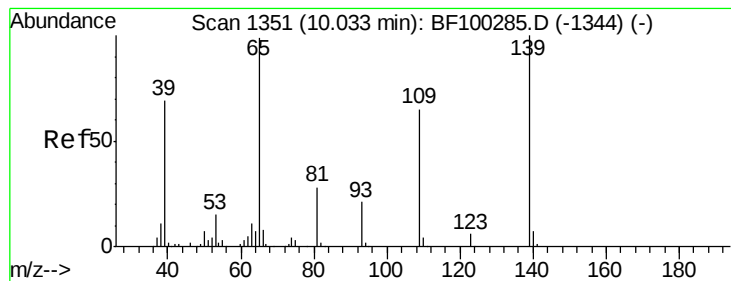
#54
Dibenzofuran
Concen: 36.86 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:168 Resp: 532963
Ion Ratio Lower Upper
168 100
139 36.3 30.1 45.1
169 14.4 10.9 16.3



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





#55

4-Nitrophenol

Concen: 61.97 ng

RT: 10.02 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

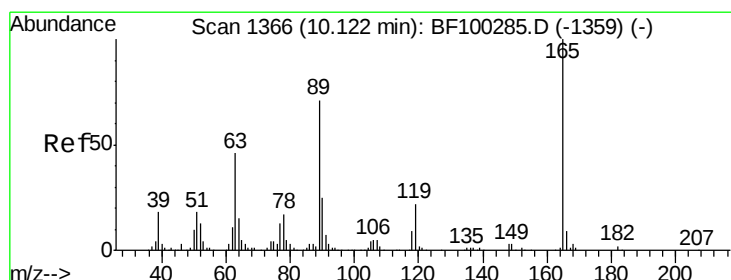
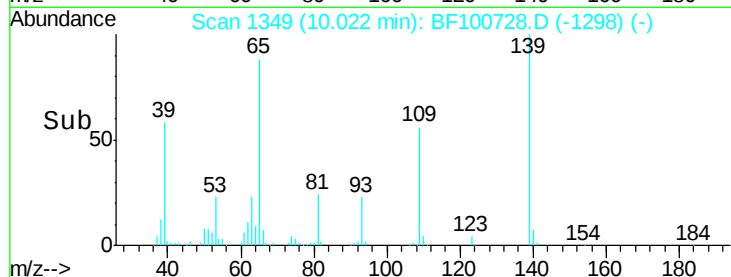
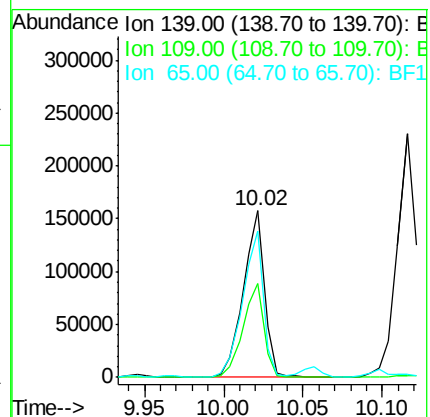
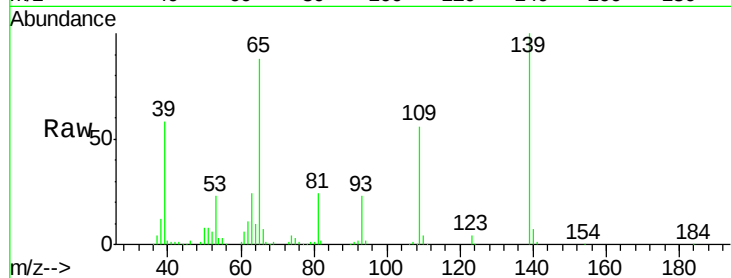
Tgt Ion:139 Resp: 146502

Ion Ratio Lower Upper

139 100

109 56.2 48.4 88.4

65 87.9 72.6 112.6



#56

2,4-Dinitrotoluene

Concen: 42.48 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Tgt Ion:165 Resp: 132118

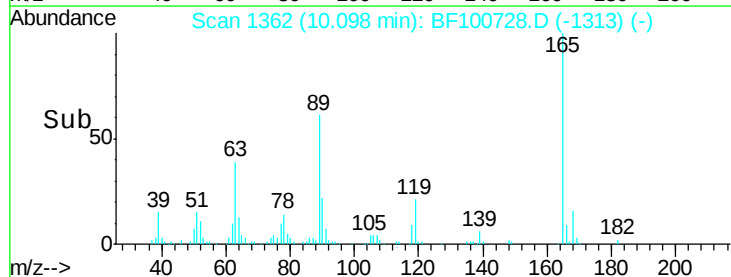
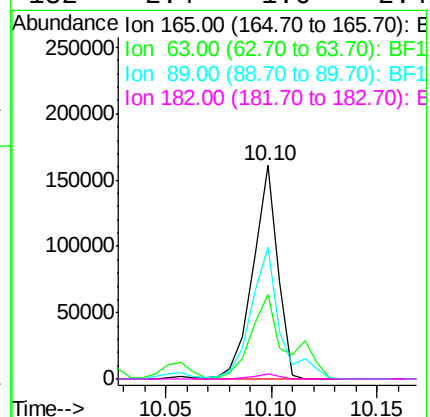
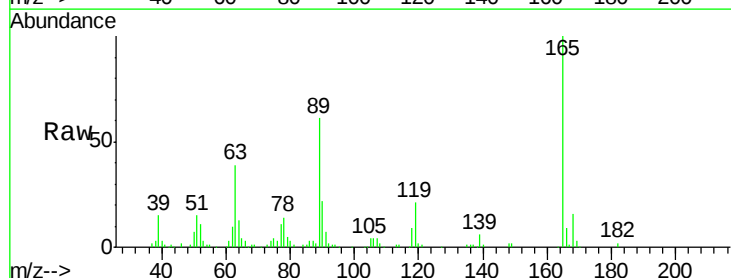
Ion Ratio Lower Upper

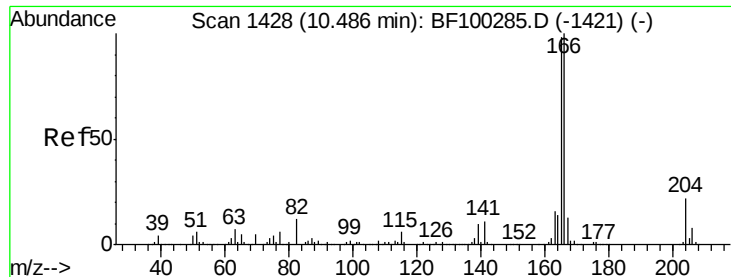
165 100

63 39.3 36.4 54.6

89 61.5 57.8 86.6

182 2.4 1.6 2.4#

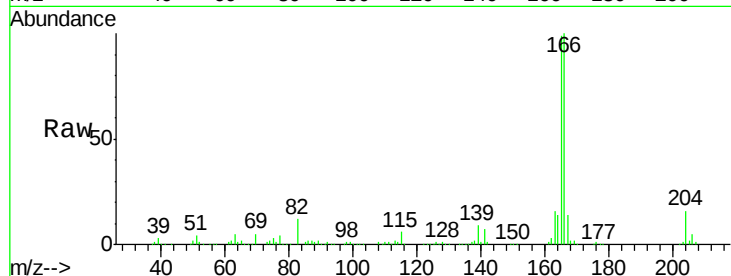




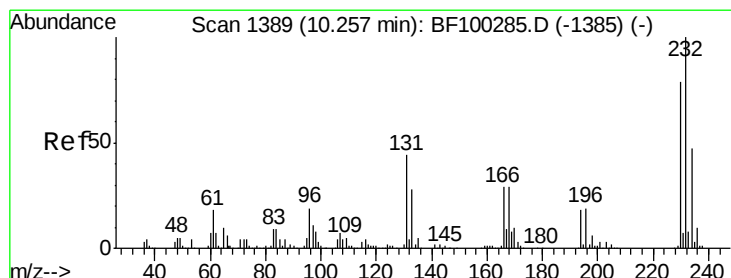
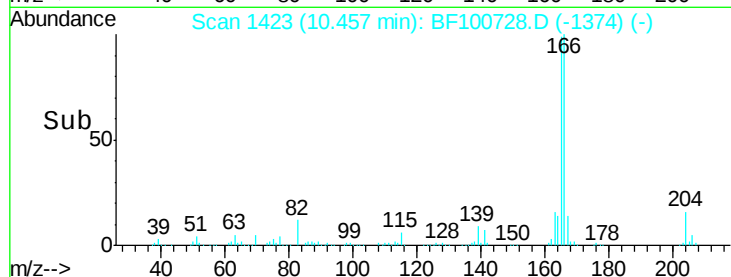
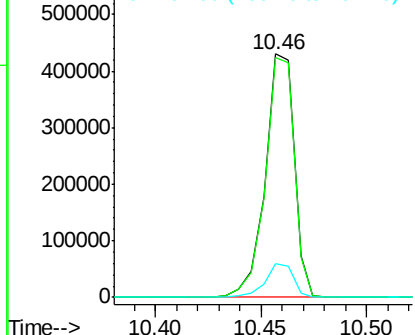
#57
 Fluorene
 Concen: 38.87 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

Tgt Ion:166 Resp: 411779
 Ion Ratio Lower Upper
 166 100
 165 98.6 79.8 119.8
 167 13.7 10.6 16.0

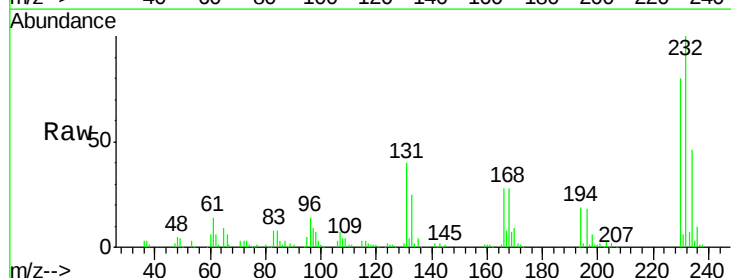


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

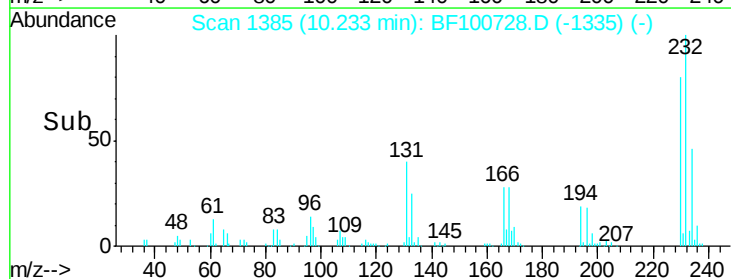
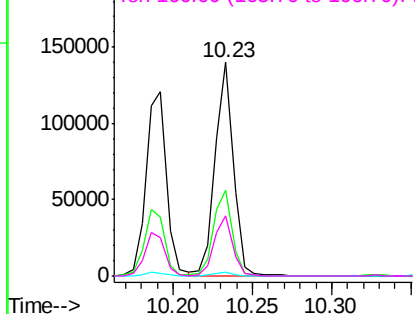


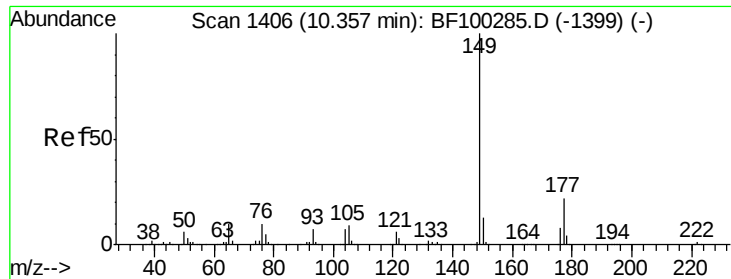
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 38.83 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion:232 Resp: 113074
 Ion Ratio Lower Upper
 232 100
 131 41.1 43.8 65.8#
 130 1.9 2.1 3.1#
 166 28.5 27.8 41.6



Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

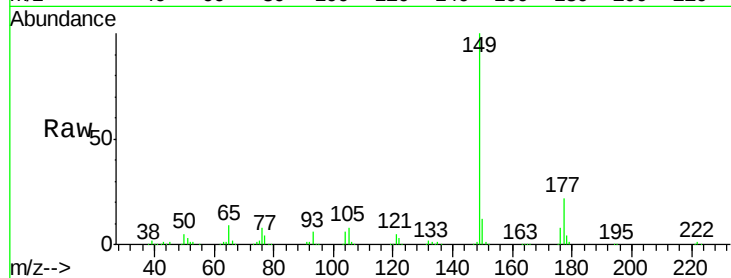




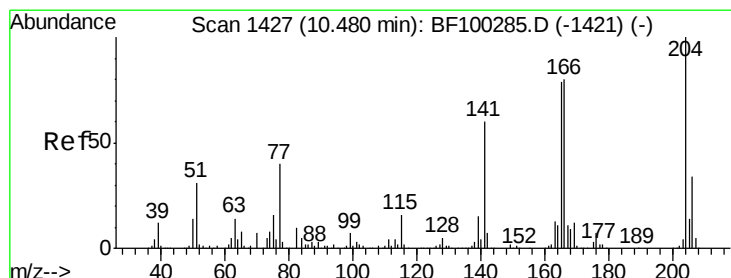
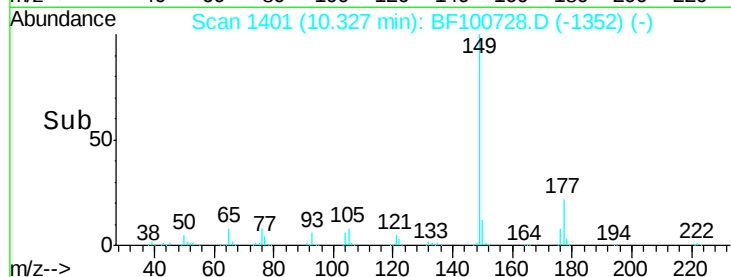
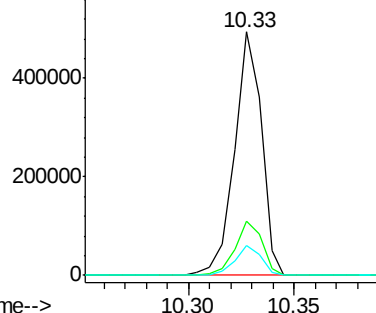
#59
Diethylphthalate
Concen: 35.36 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

Tgt Ion:149 Resp: 440748
Ion Ratio Lower Upper
149 100
177 22.4 16.1 24.1
150 12.3 10.1 15.1

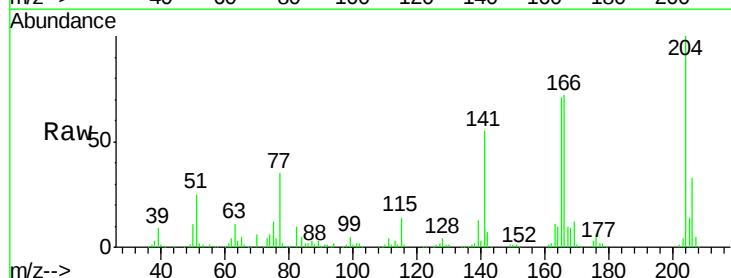


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

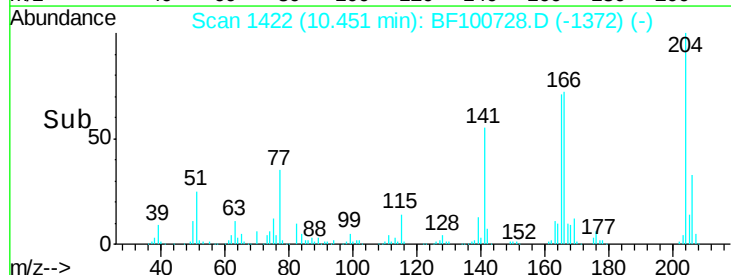
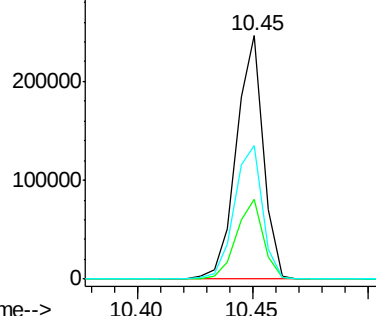


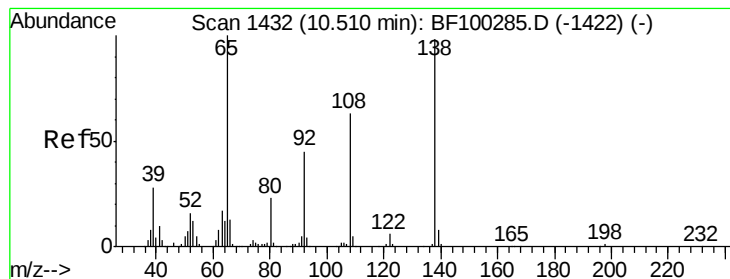
#60
4-Chlorophenyl-phenylether
Concen: 38.54 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:204 Resp: 200248
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 55.0 54.6 81.8



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 34.85 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

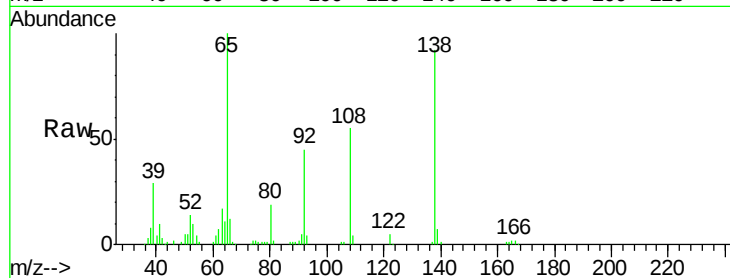
Tgt Ion:138 Resp: 96212

Ion Ratio Lower Upper

138 100

92 48.9 30.2 70.2

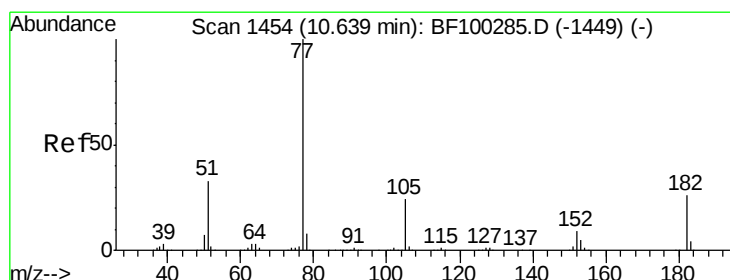
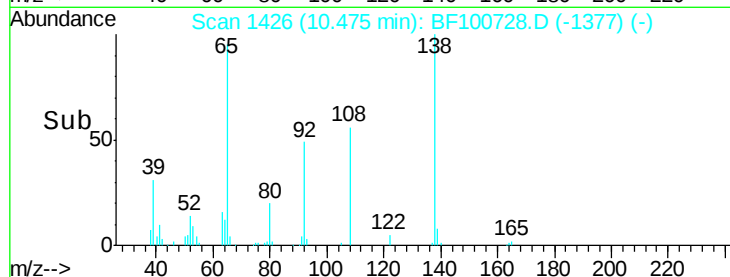
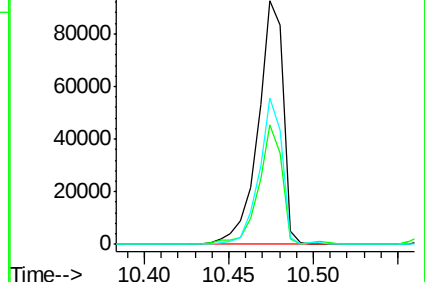
108 60.1 52.5 92.5



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: 32.96 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Tgt Ion: 77 Resp: 386977

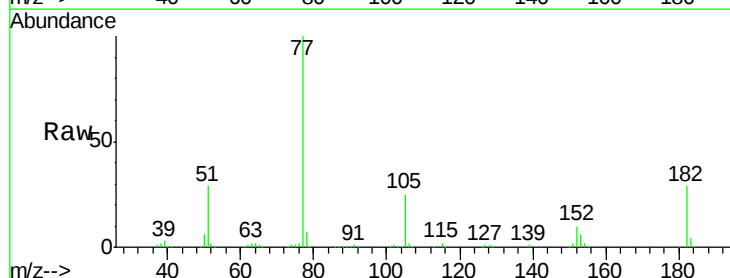
Ion Ratio Lower Upper

77 100

182 29.1 1.7 41.7

105 25.1 3.0 43.0

51 29.5 9.9 49.9

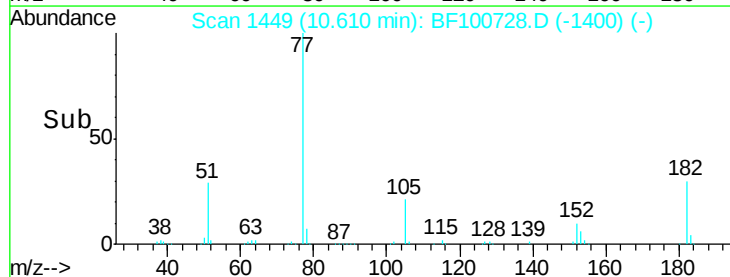
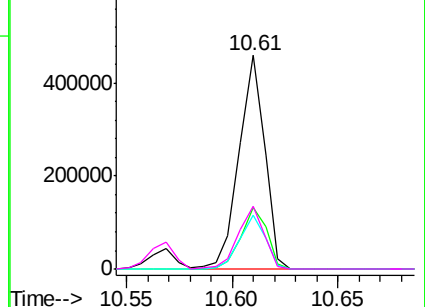


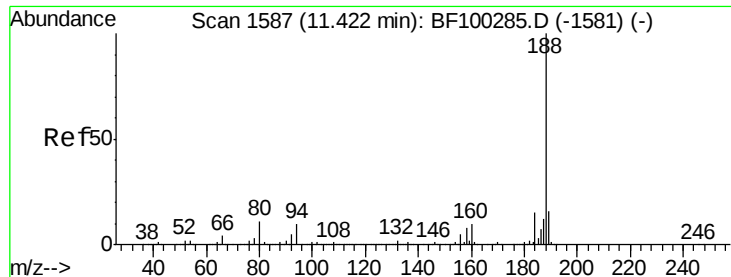
Abundance Ion 77.00 (76.70 to 77.70): BF1

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: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

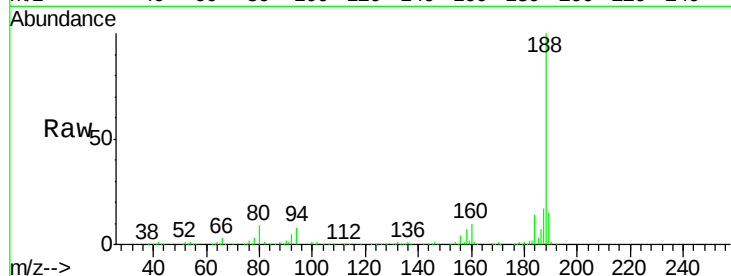
Tgt Ion:188 Resp: 316900

Ion Ratio Lower Upper

188 100

94 8.4 8.5 12.7#

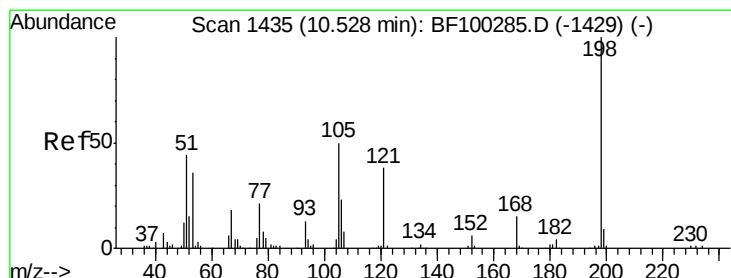
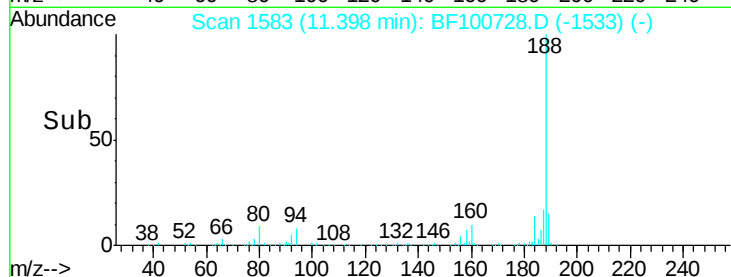
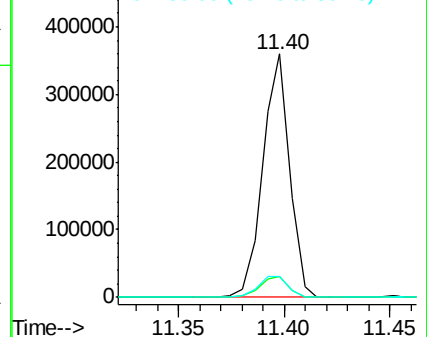
80 8.6 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 27.83 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

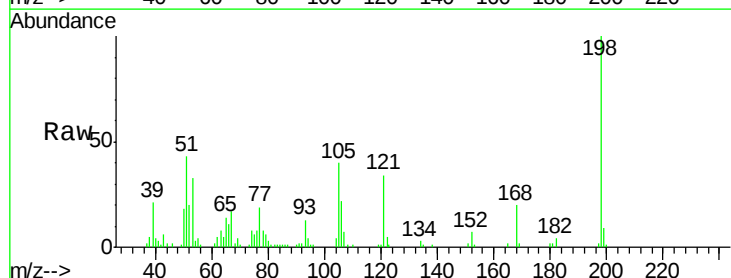
Tgt Ion:198 Resp: 37519

Ion Ratio Lower Upper

198 100

51 42.9 37.7 77.7

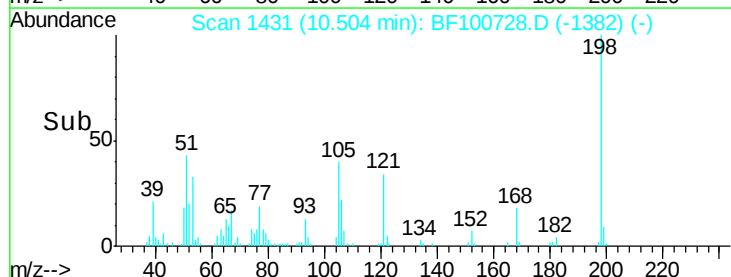
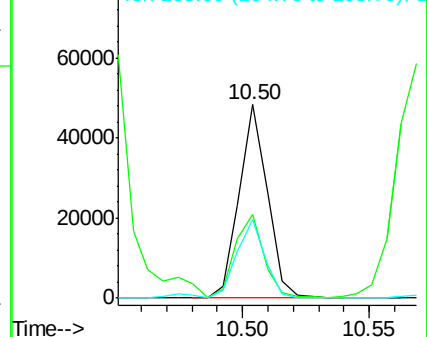
105 40.4 36.3 76.3

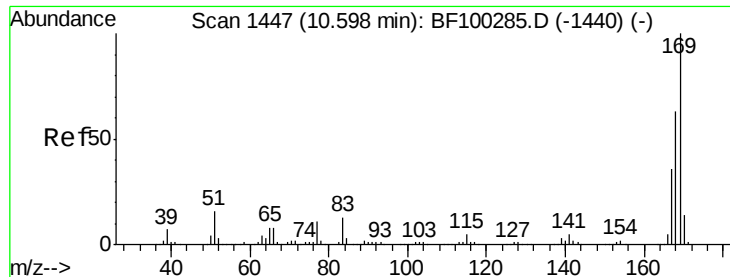


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

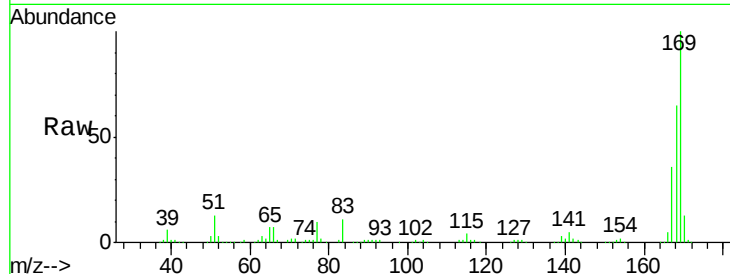




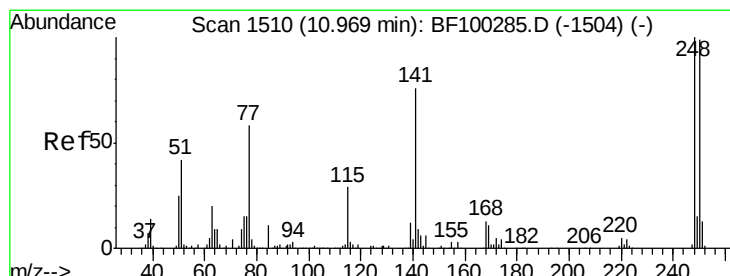
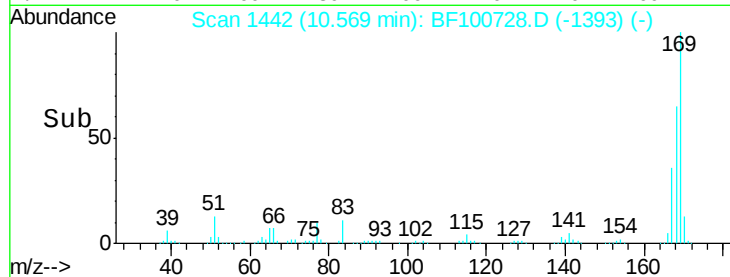
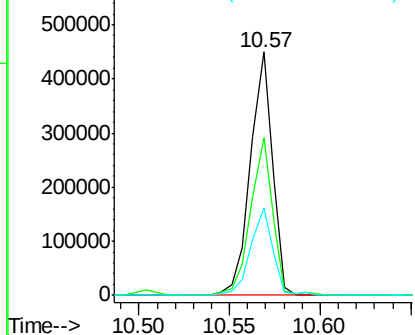
#65
n-Nitrosodiphenylamine
Concen: 34.64 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

Tgt Ion:169 Resp: 381662
Ion Ratio Lower Upper
169 100
168 64.7 54.4 81.6
167 36.0 29.8 44.6

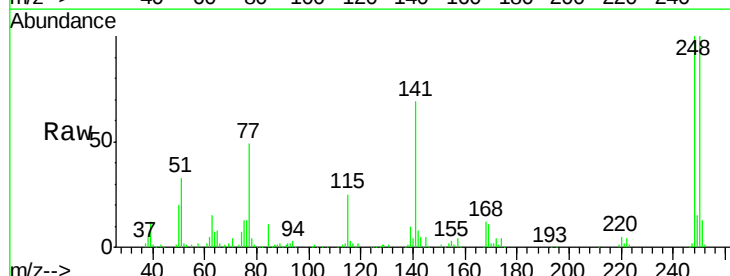


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

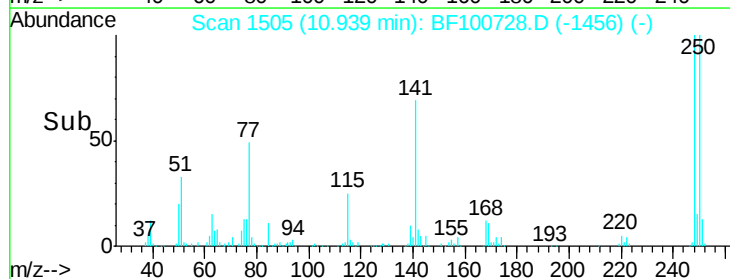
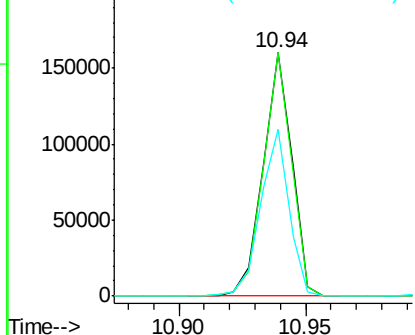


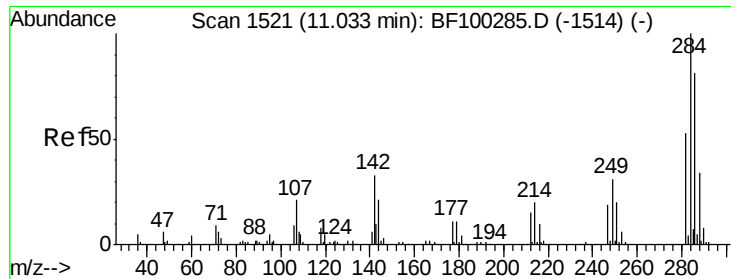
#66
4-Bromophenyl-phenylether
Concen: 37.55 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:248 Resp: 127565
Ion Ratio Lower Upper
248 100
250 99.9 76.9 115.3
141 68.8 74.4 111.6#



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

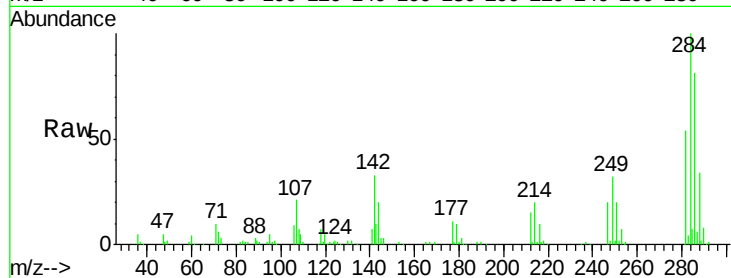




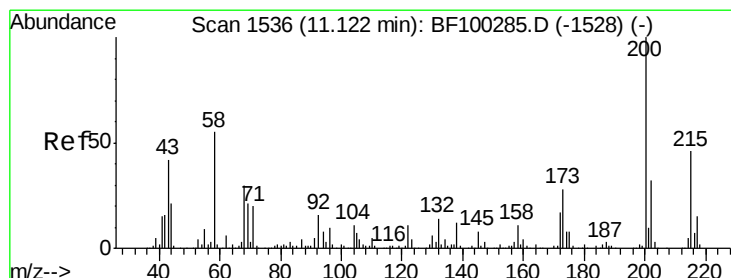
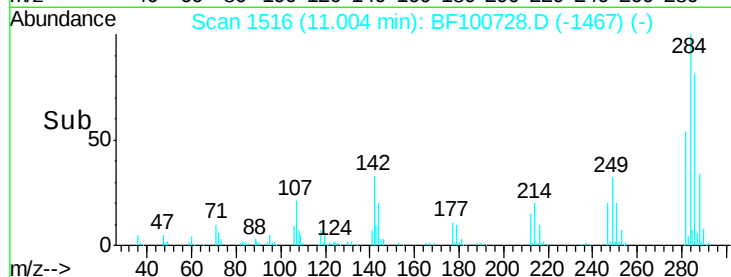
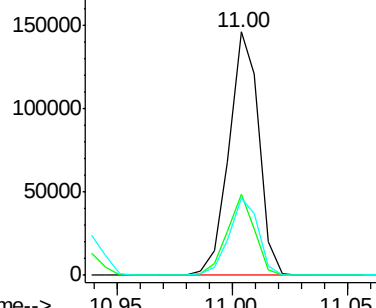
#67
Hexachlorobenzene
Concen: 37.08 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

Tgt Ion:284 Resp: 131740
Ion Ratio Lower Upper
284 100
142 33.4 34.6 52.0#
249 31.8 24.8 37.2

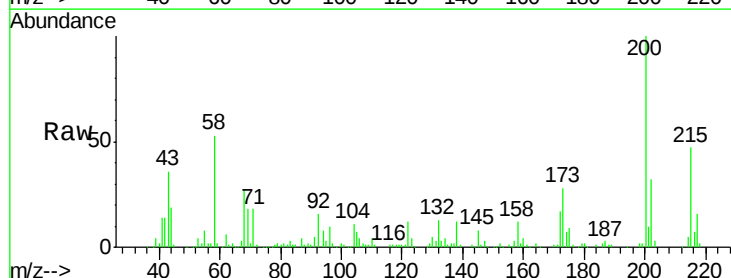


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

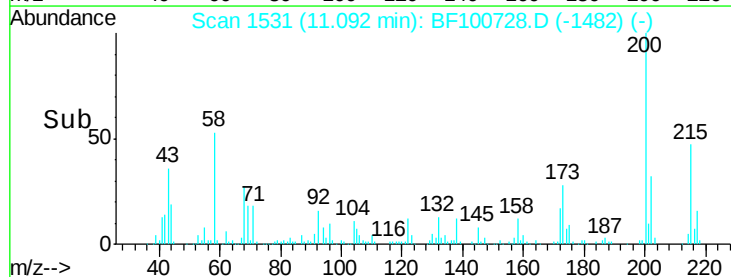
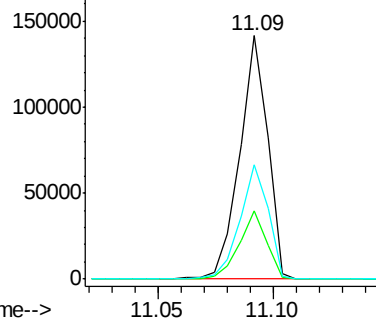


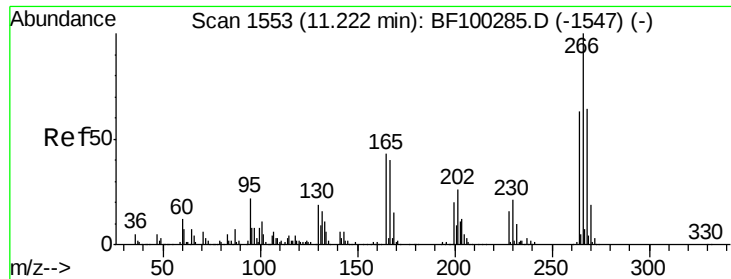
#68
Atrazine
Concen: 35.71 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:200 Resp: 119122
Ion Ratio Lower Upper
200 100
173 27.8 8.6 48.6
215 46.9 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

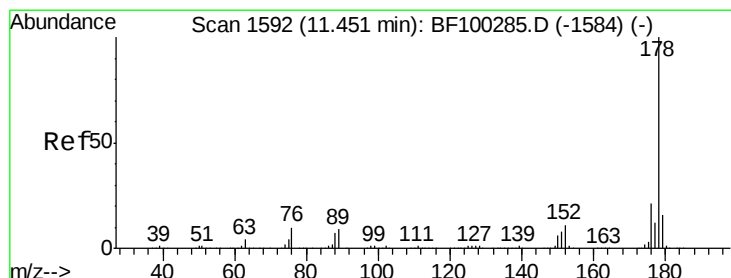
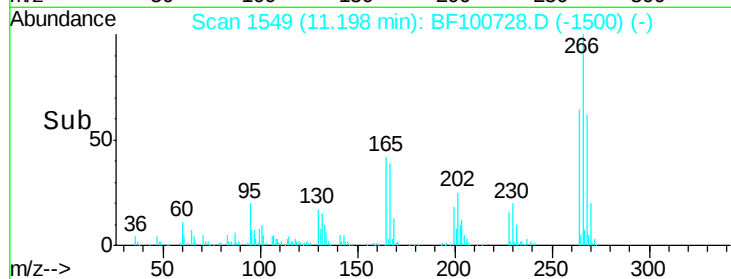
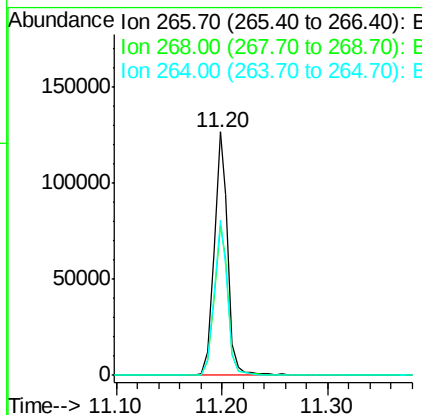
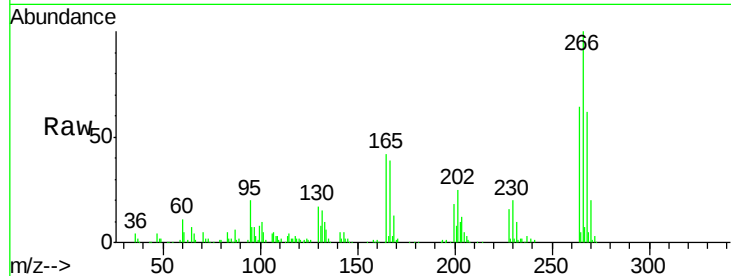




#69
 Pentachlorophenol
 Concen: 45.41 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

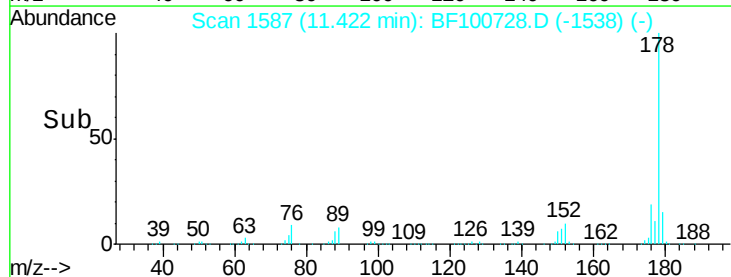
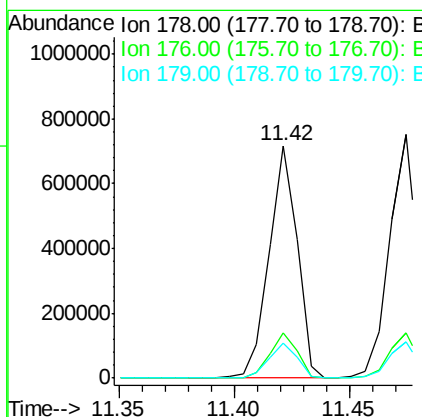
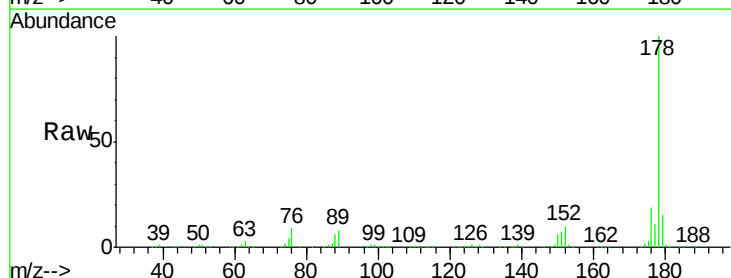
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

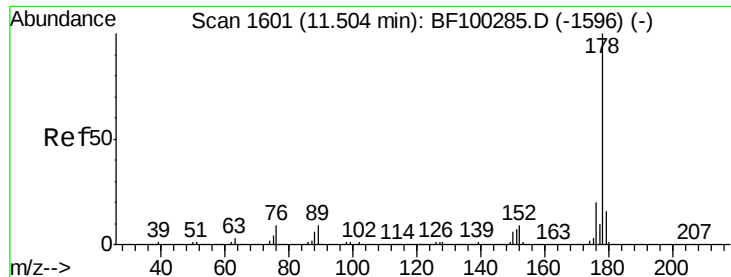
Tgt Ion: 266 Resp: 115680
 Ion Ratio Lower Upper
 266 100
 268 61.5 51.1 76.7
 264 63.7 49.5 74.3



#70
 Phenanthrene
 Concen: 36.42 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion: 178 Resp: 607752
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.8
 179 15.1 13.0 19.6

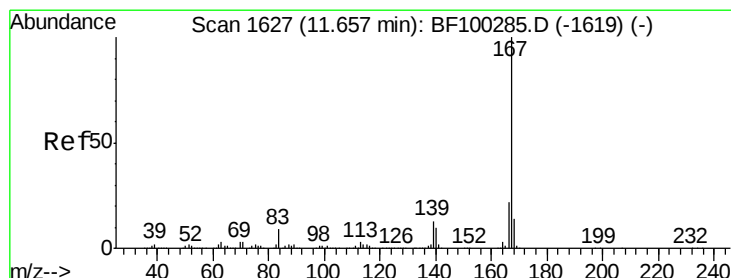
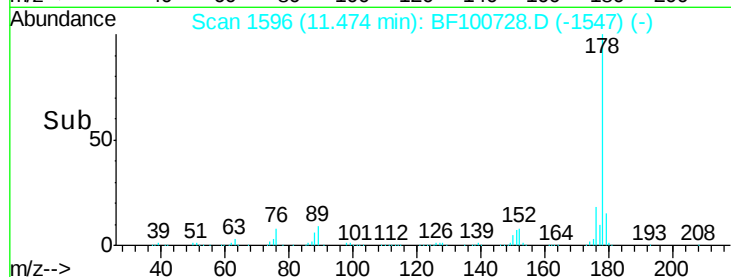
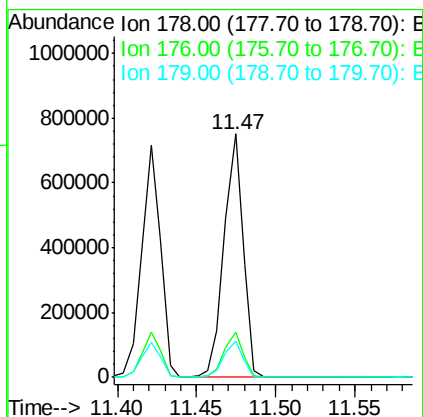
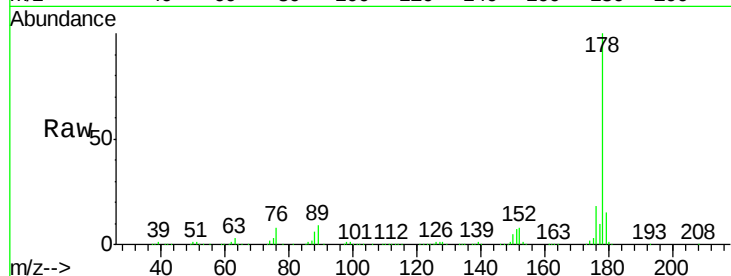




#71
 Anthracene
 Concen: 37.26 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

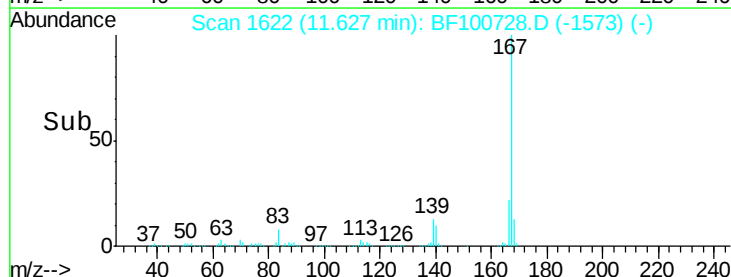
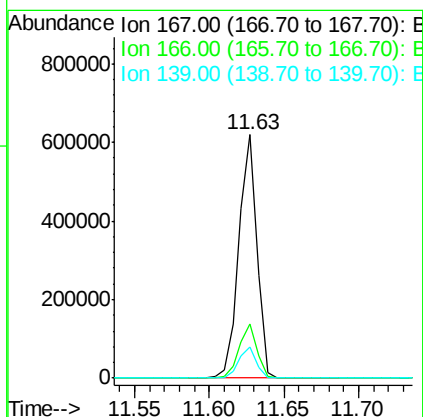
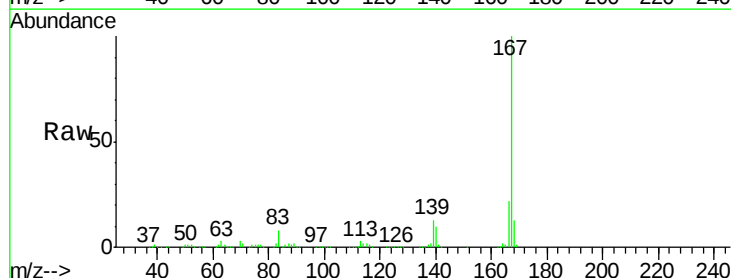
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

Tgt Ion:178 Resp: 630747
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 14.9 12.6 19.0



#72
 Carbazole
 Concen: 33.86 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion:167 Resp: 528876
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 12.6 10.9 16.3

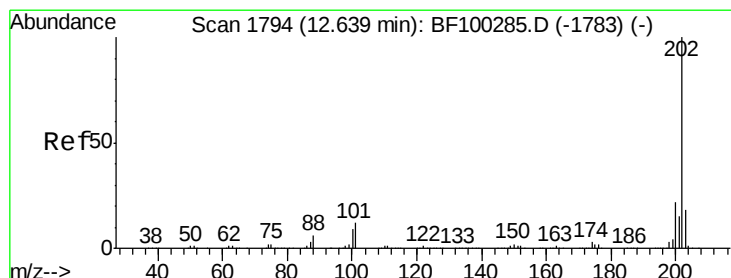
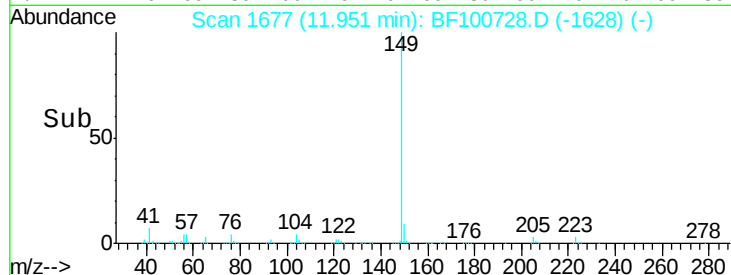
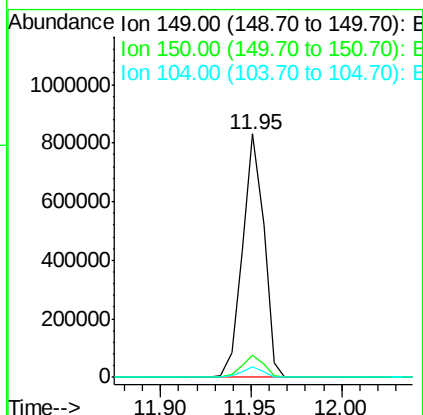
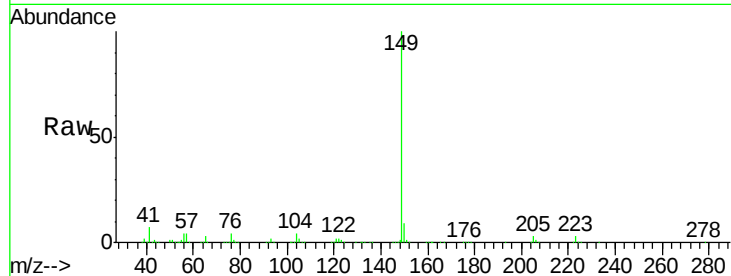




#73
Di-n-butylphthalate
Concen: 37.16 ng
RT: 11.95 min Scan# 1677
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

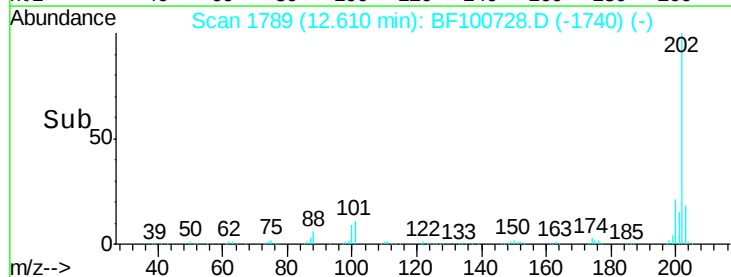
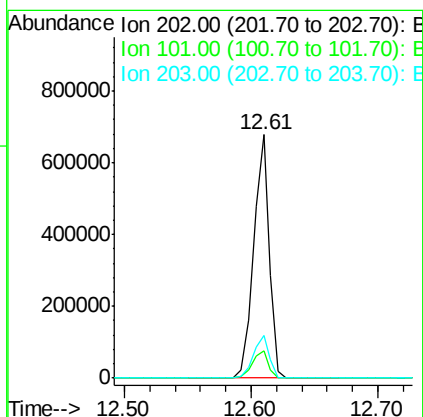
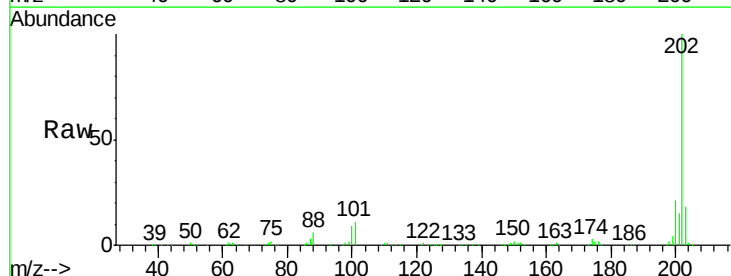
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

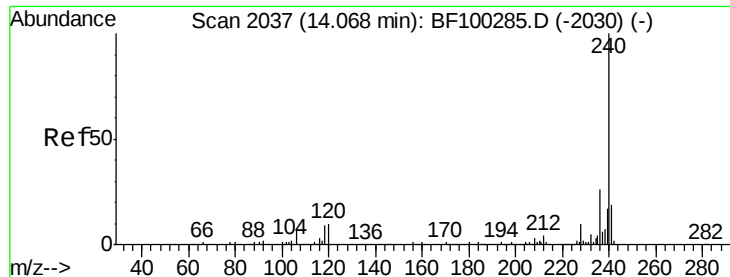
Tgt Ion:149 Resp: 679272
Ion Ratio Lower Upper
149 100
150 9.3 7.8 11.6
104 4.2 3.8 5.8



#74
Fluoranthene
Concen: 33.06 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:202 Resp: 584557
Ion Ratio Lower Upper
202 100
101 11.0 0.0 34.1
203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

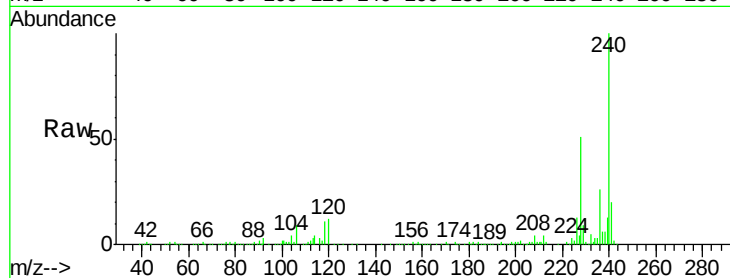
Tgt Ion:240 Resp: 174775

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

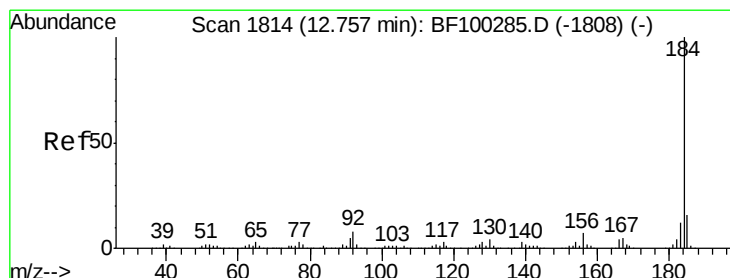
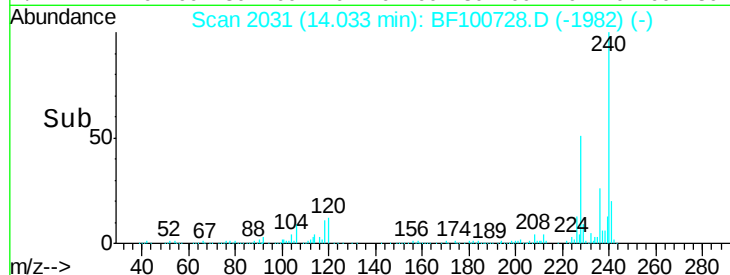
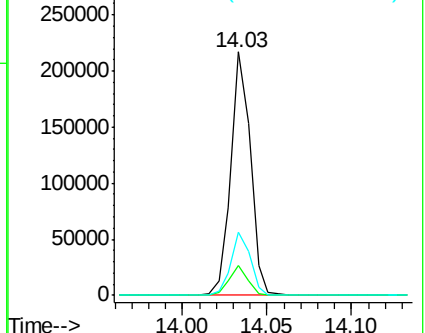
236 25.7 20.7 31.1



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: 15.50 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

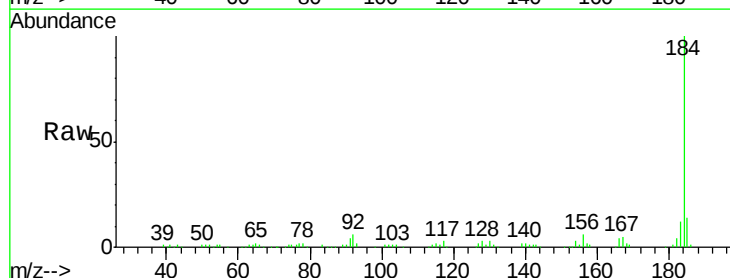
Tgt Ion:184 Resp: 108470

Ion Ratio Lower Upper

184 100

185 13.7 12.6 18.8

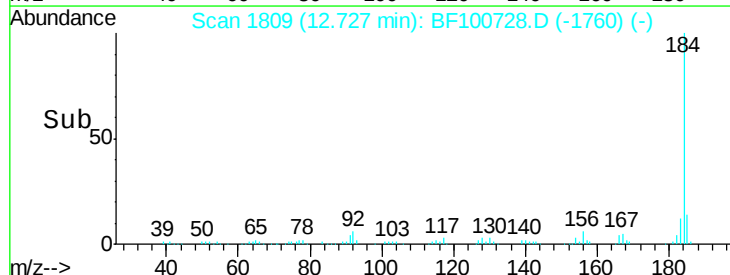
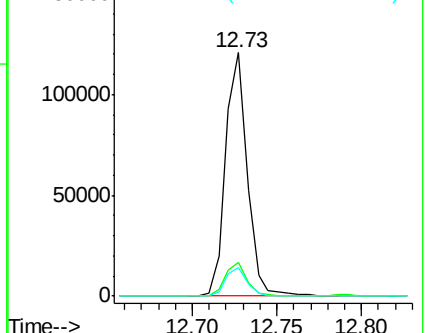
183 11.8 9.3 13.9

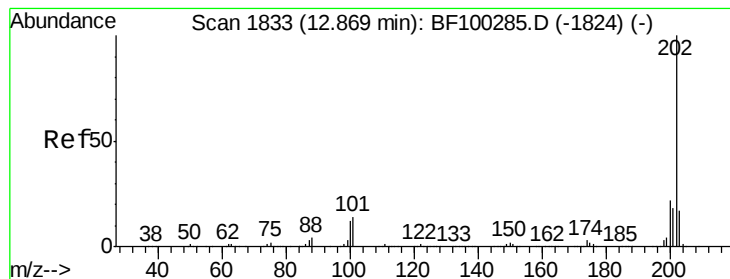


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 47.06 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

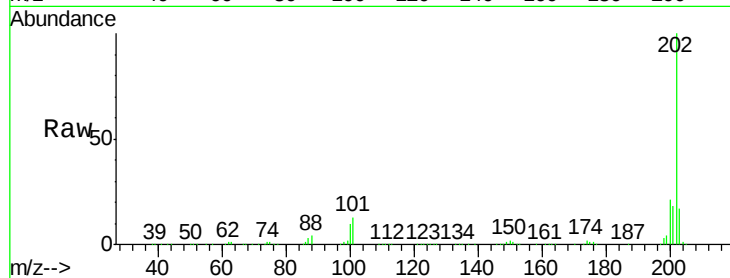
Tgt Ion:202 Resp: 586324

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

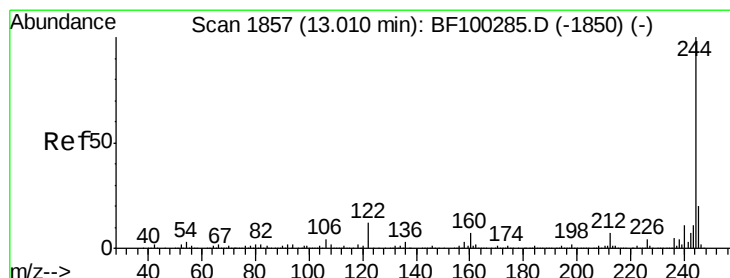
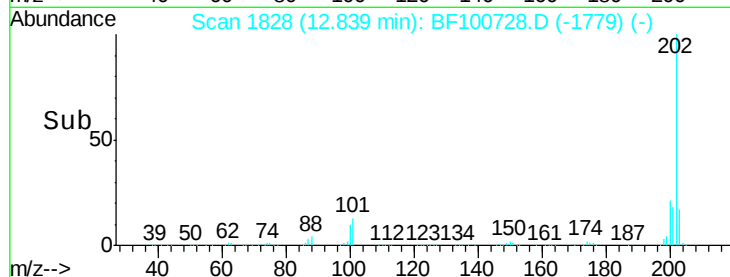
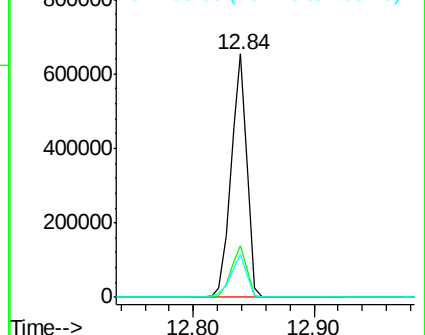
203 17.4 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 99.94 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

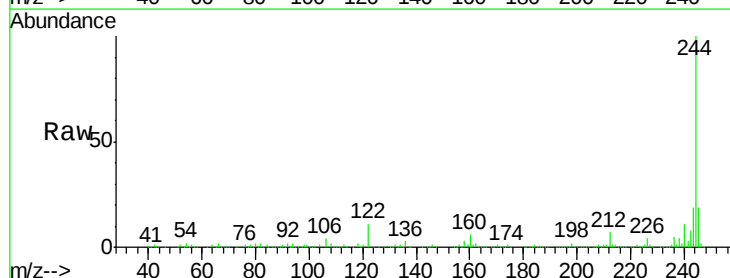
Tgt Ion:244 Resp: 760174

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

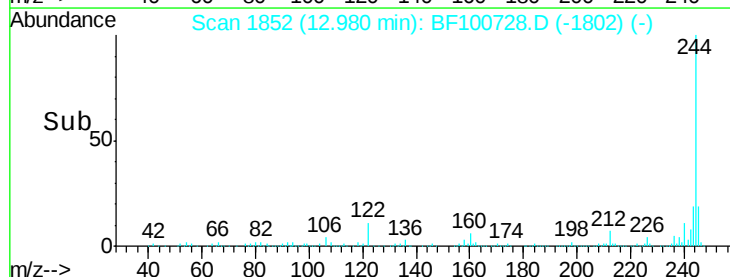
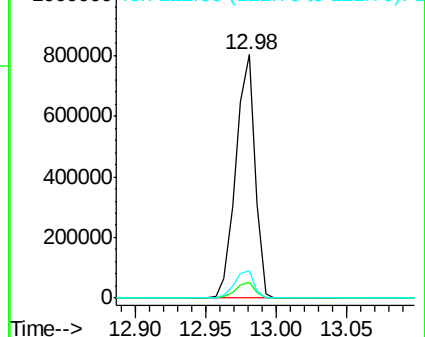
122 11.1 11.0 16.4

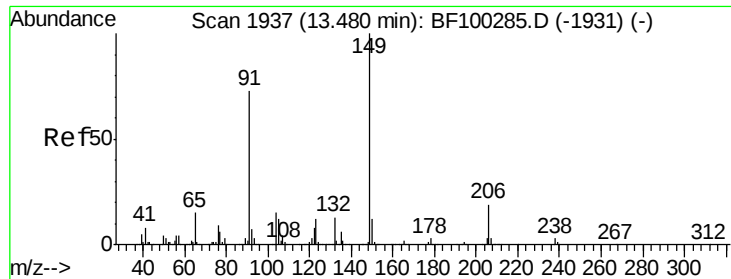


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

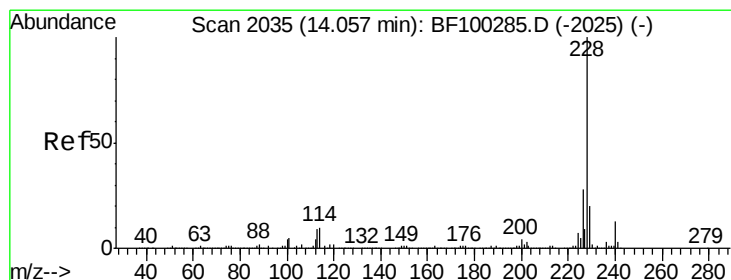
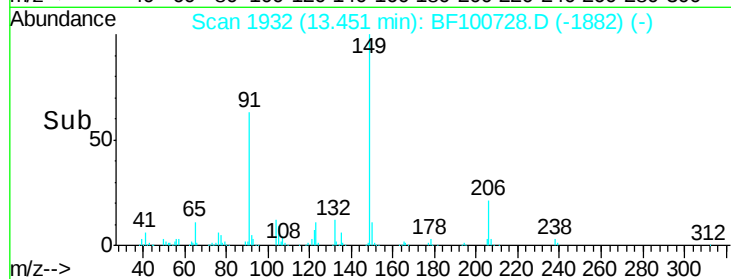
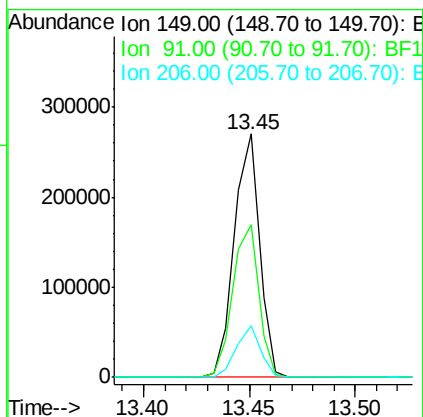
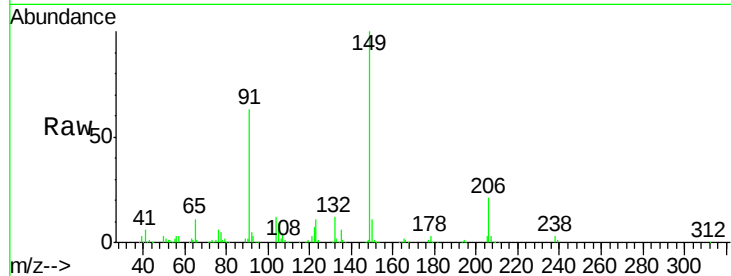




#79
Butylbenzylphthalate
Concen: 44.00 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

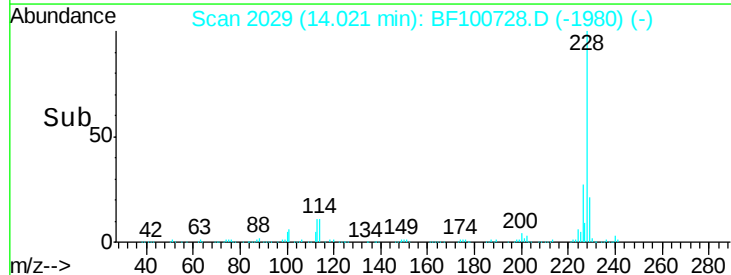
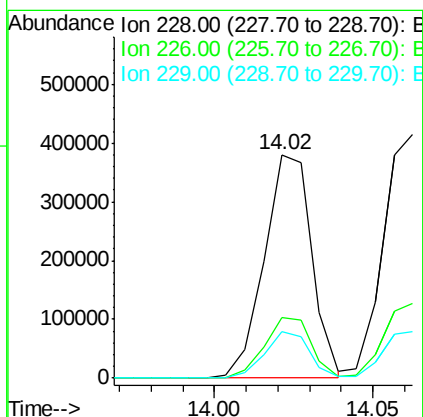
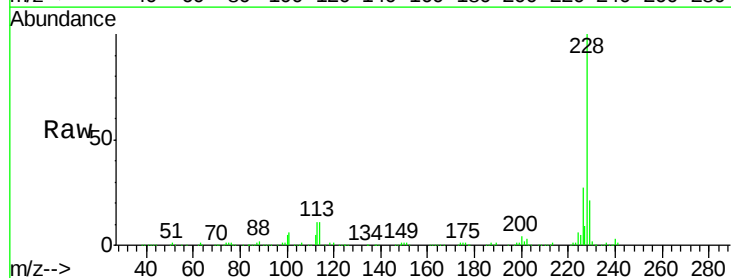
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

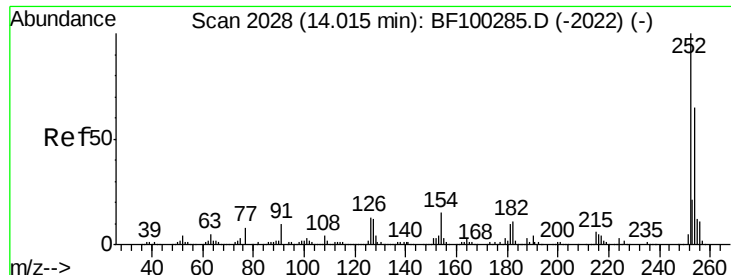
Tgt Ion:149 Resp: 223534
Ion Ratio Lower Upper
149 100
91 63.0 56.8 85.2
206 21.1 14.1 21.1



#80
Benzo(a)anthracene
Concen: 37.54 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:228 Resp: 395065
Ion Ratio Lower Upper
228 100
226 27.3 22.6 33.8
229 20.6 15.8 23.6

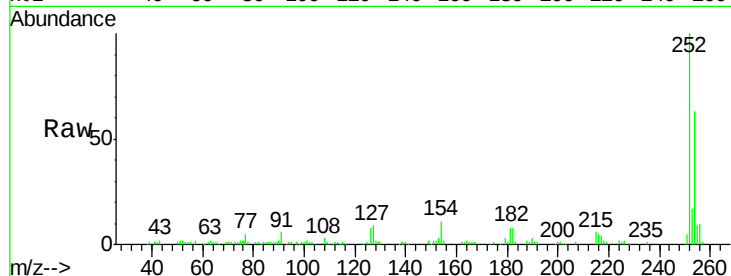




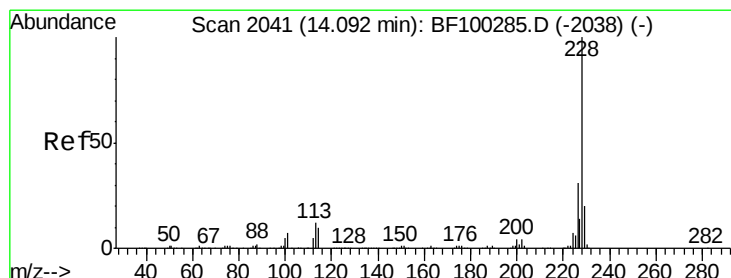
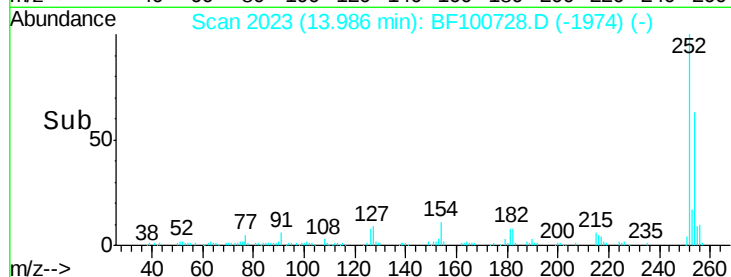
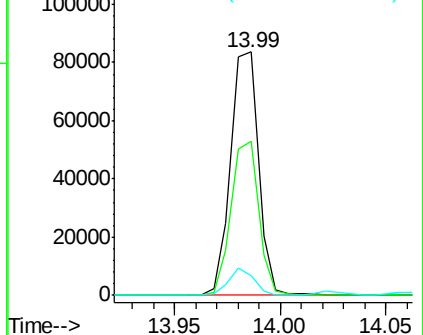
#81
 3,3'-Dichlorobenzidine
 Concen: 20.29 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

Tgt Ion:252 Resp: 76519
 Ion Ratio Lower Upper
 252 100
 254 63.3 50.4 75.6
 126 8.1 11.3 16.9#

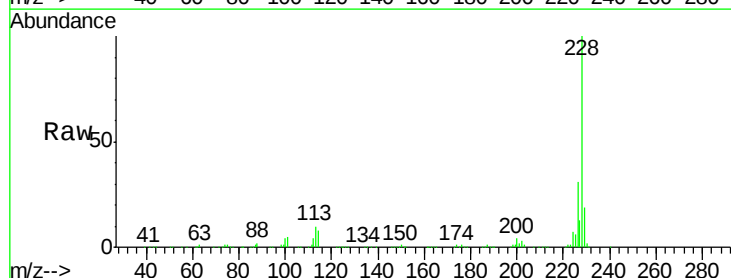


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

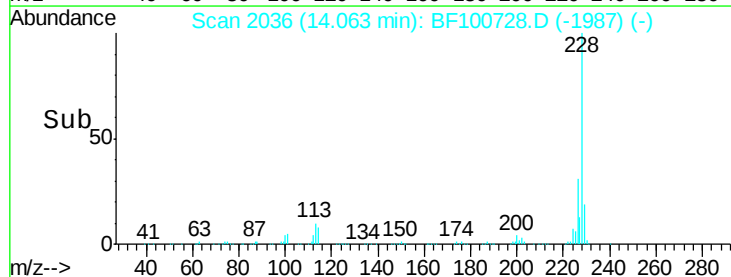
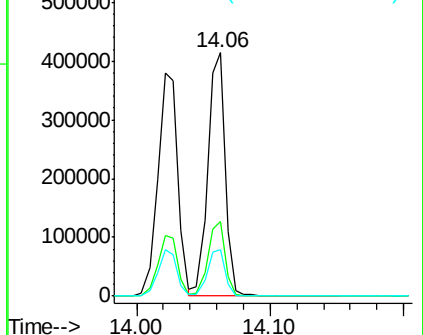


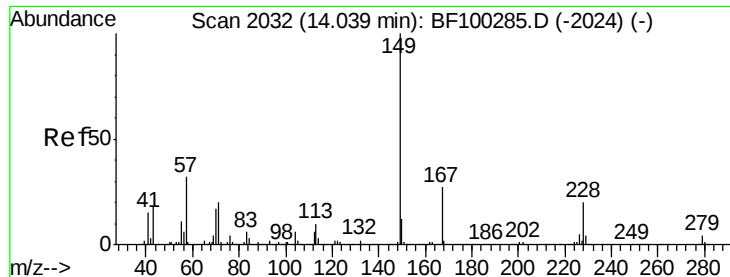
#82
 Chrysene
 Concen: 37.10 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion:228 Resp: 378073
 Ion Ratio Lower Upper
 228 100
 226 30.6 25.0 37.6
 229 19.3 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

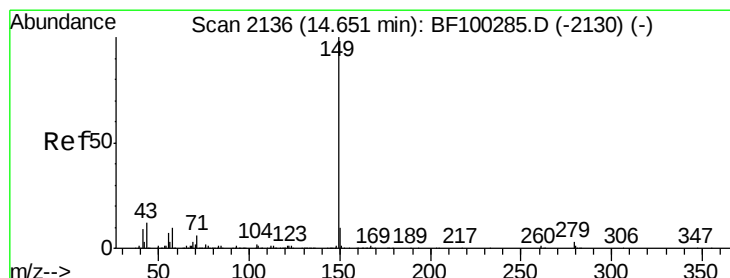
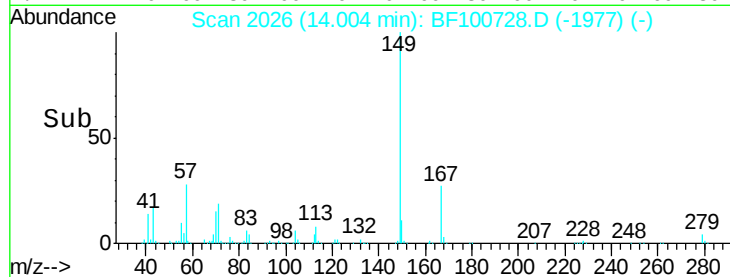
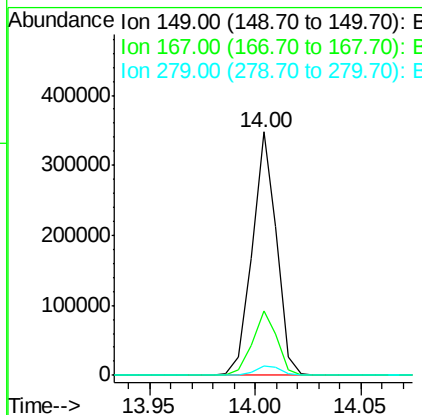
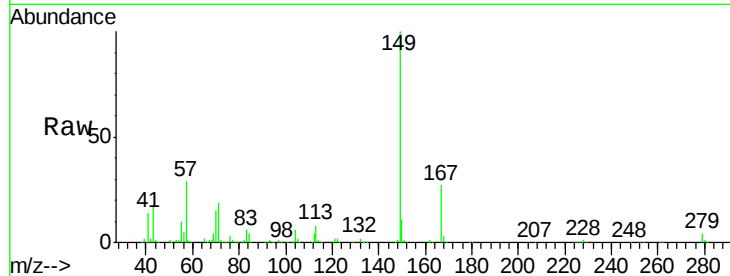




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 41.54 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

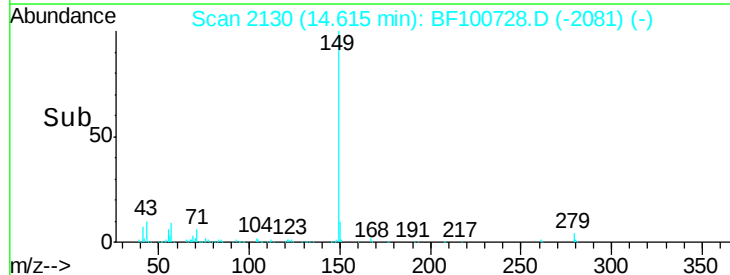
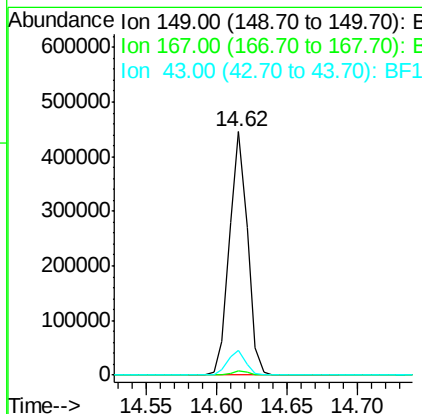
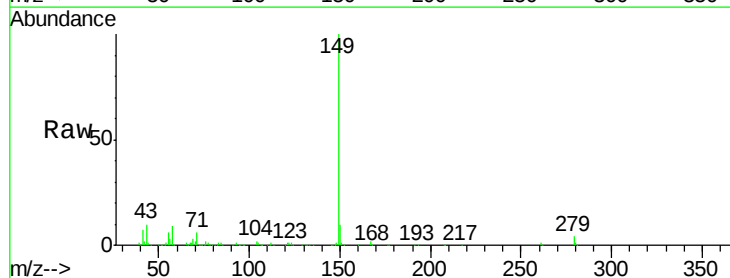
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-02

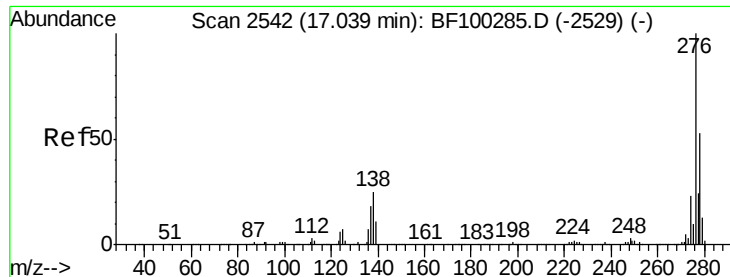
Tgt Ion:149 Resp: 277559
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.3 31.9
 279 3.6 3.0 4.4



#84
 Di-n-octyl phthalate
 Concen: 34.46 ng
 RT: 14.62 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BF100728.D
 Acq: 20 Nov 2017 14:16

Tgt Ion:149 Resp: 395633
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 9.8 8.4 12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 54.98 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

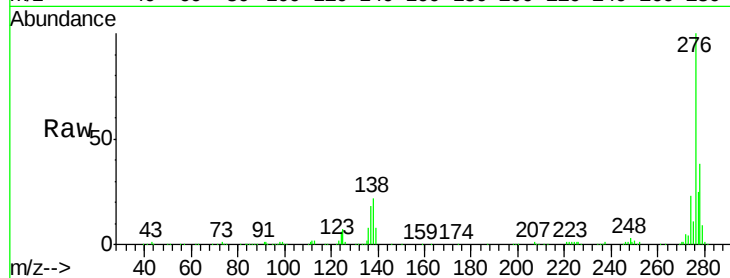
Tgt Ion:276 Resp: 453225

Ion Ratio Lower Upper

276 100

138 25.6 25.0 37.6

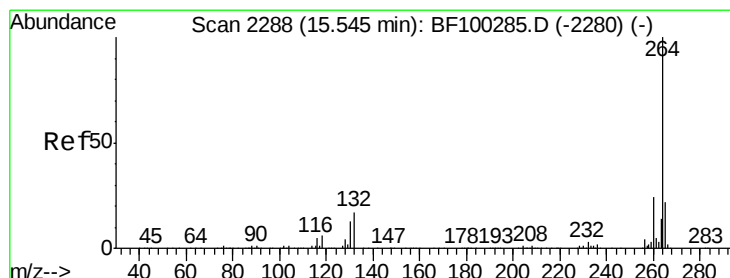
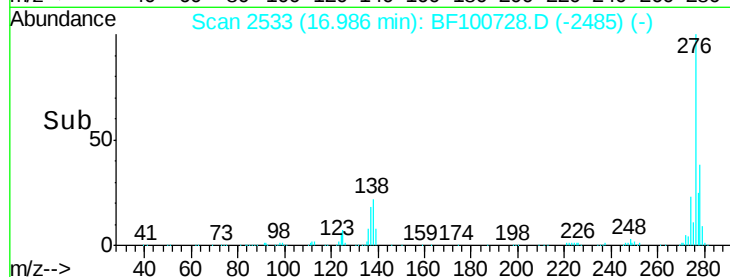
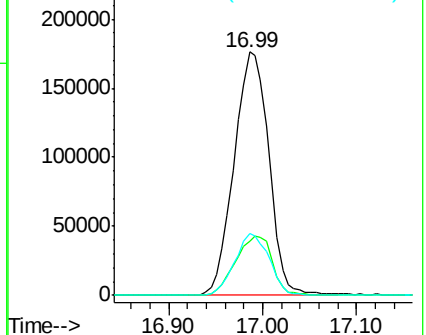
277 25.2 20.1 30.1



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: BF100728.D

Acq: 20 Nov 2017 14:16

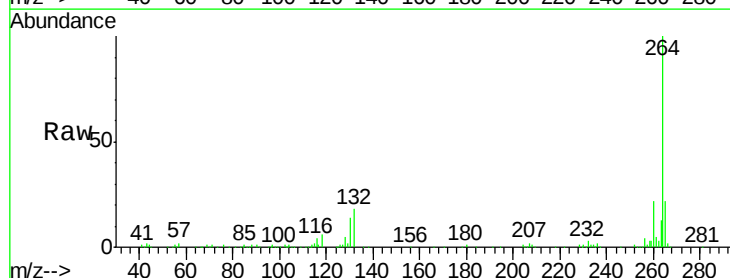
Tgt Ion:264 Resp: 177375

Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

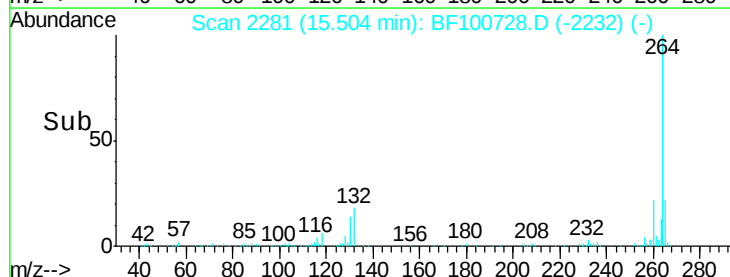
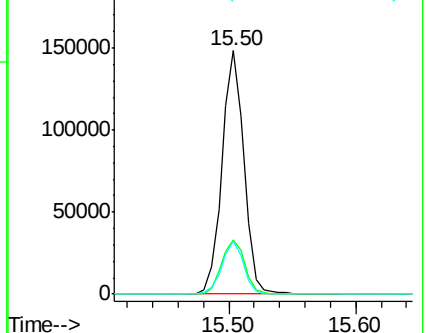
265 21.5 17.5 26.3

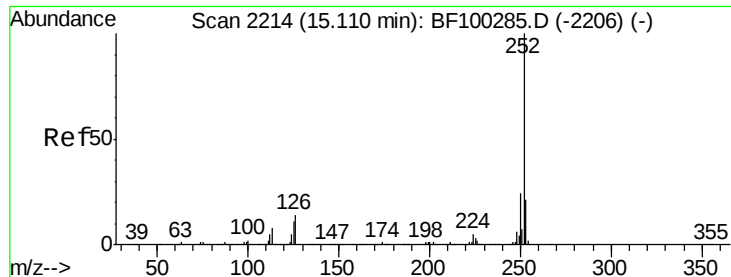


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

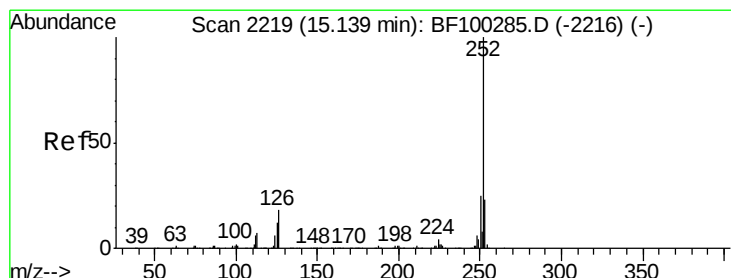
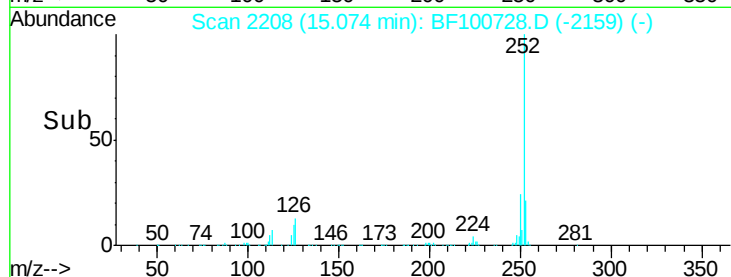
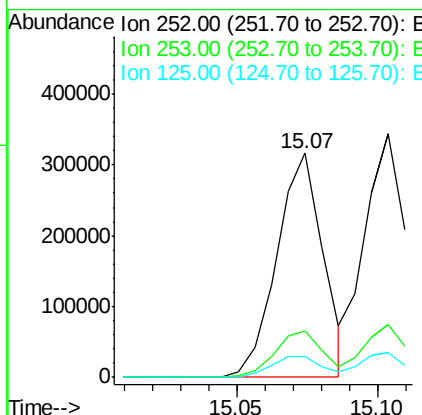
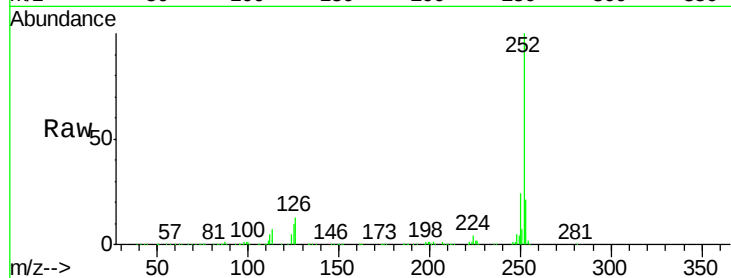




#87
Benzo(b)fluoranthene
Concen: 34.25 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

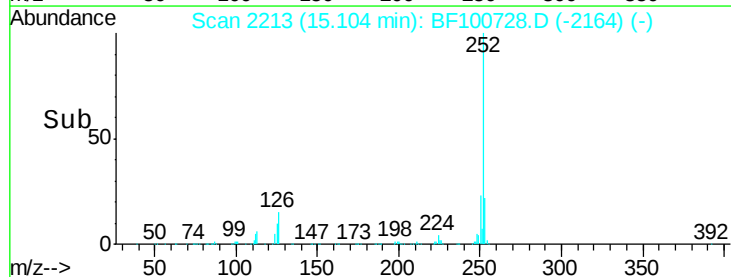
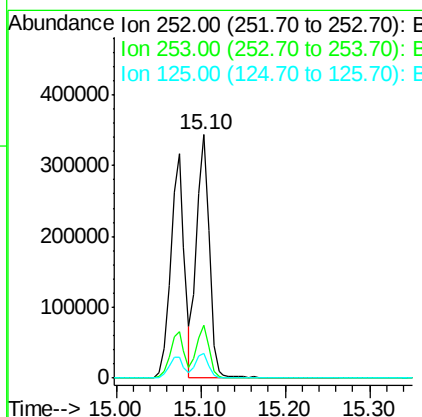
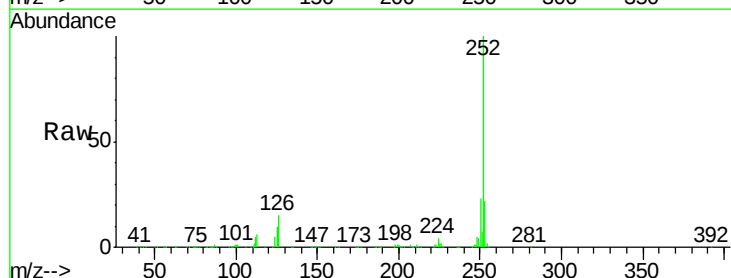
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-02

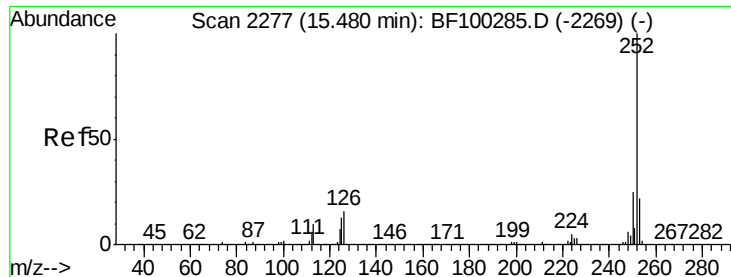
Tgt Ion:252 Resp: 359926
Ion Ratio Lower Upper
252 100
253 21.0 17.0 25.6
125 9.6 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 35.91 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100728.D
Acq: 20 Nov 2017 14:16

Tgt Ion:252 Resp: 356581
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 10.2 10.2 15.2





#89

Benzo(a)pyrene

Concen: 38.13 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

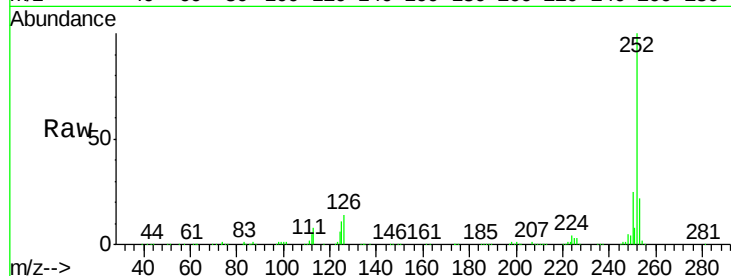
Tgt Ion:252 Resp: 355259

Ion Ratio Lower Upper

252 100

253 21.8 17.1 25.7

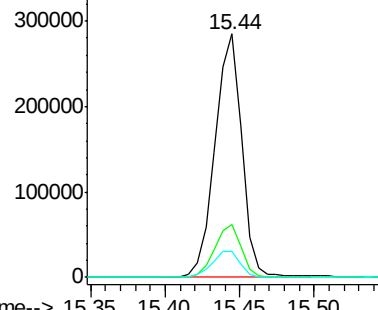
125 10.7 9.8 14.6



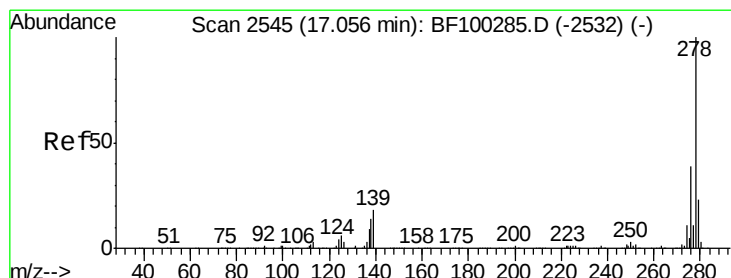
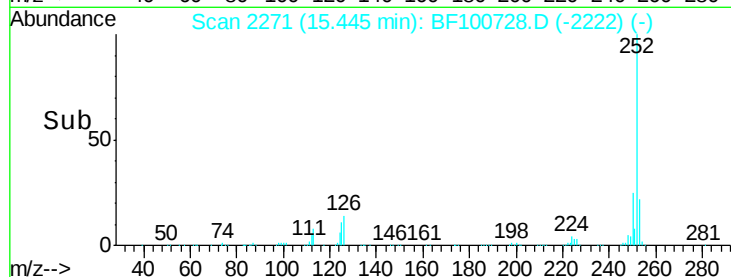
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 15.35 15.40 15.45 15.50



#90

Dibenzo(a,h)anthracene

Concen: 49.44 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

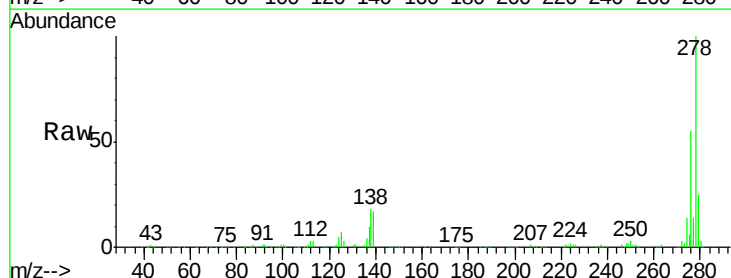
Tgt Ion:278 Resp: 376674

Ion Ratio Lower Upper

278 100

139 16.8 15.9 23.9

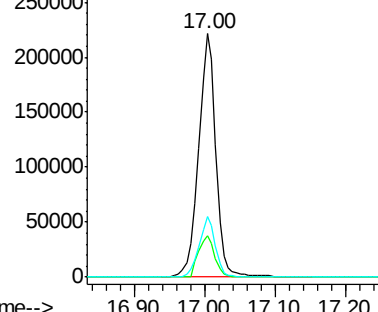
279 24.8 19.0 28.4



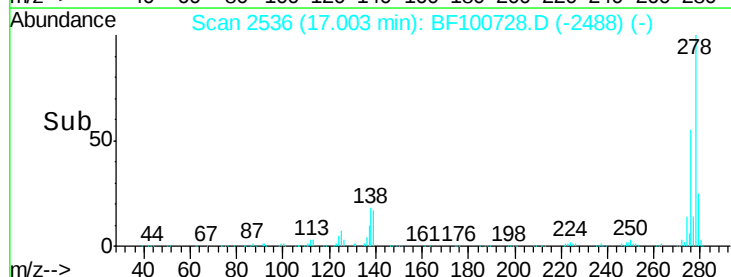
Abundance Ion 278.00 (277.70 to 278.70): E

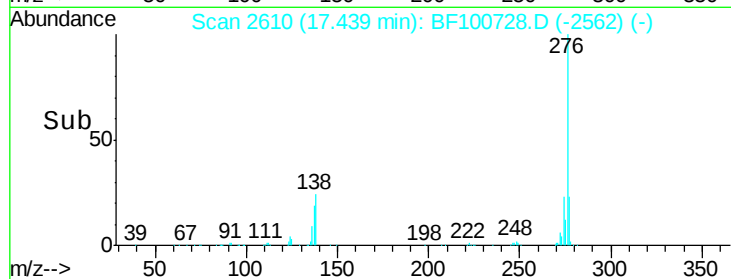
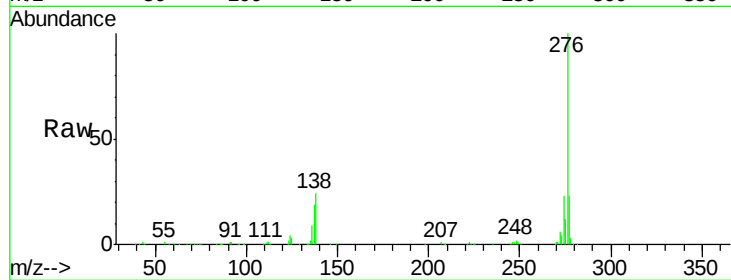
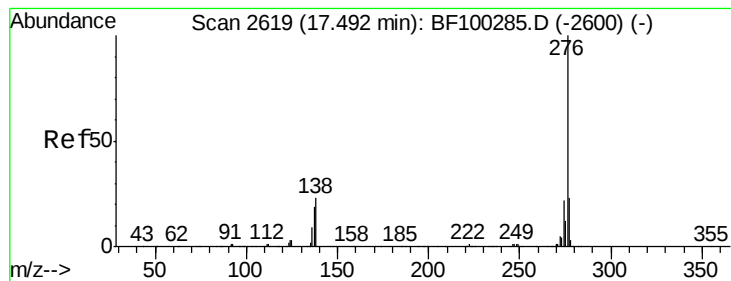
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 16.90 17.00 17.10 17.20





#91

Benzo(g,h,i)perylene

Concen: 52.94 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF100728.D

Acq: 20 Nov 2017 14:16

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-02

Tgt Ion:276 Resp: 394848

Ion Ratio Lower Upper

276 100

277 22.5 17.9 26.9

138 23.5 21.8 32.8

