

Data File : BF100730.D
Acq On : 20 Nov 2017 15:10
Operator : SJ/JU
Sample : IDOC-SOIL-04
Misc : For Mohd. Javed
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

Quant Time: Nov 21 03:24:46 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	87363	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	344401	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	160731	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	304067	20.00	ng	0.00
75) Chrysene-d12	14.03	240	163482	20.00	ng	-0.01
86) Perylene-d12	15.50	264	174309	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	566353	103.92	ng	0.00
7) Phenol-d6	6.50	99	680654	101.28	ng	0.00
23) Nitrobenzene-d5	7.43	82	422945	81.19	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	187589	114.53	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	890010	84.32	ng	-0.01
78) Terphenyl-d14	12.98	244	715838	100.61	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.75	88	74727	28.14	ng	95
3) Pyridine	3.50	79	208737	28.81	ng	96
4) n-Nitrosodimethylamine	3.46	42	98804	28.08	ng	# 95
6) Aniline	6.53	93	106331	11.20	ng	99
8) 2-Chlorophenol	6.66	128	206875	35.88	ng	98
9) Benzaldehyde	6.42	77	82104	17.11	ng	93
10) Phenol	6.52	94	243326	34.49	ng	95
11) bis(2-Chloroethyl)ether	6.61	93	187475	31.64	ng	99
12) 1,3-Dichlorobenzene	6.81	146	237607	35.75	ng	96
13) 1,4-Dichlorobenzene	6.89	146	237479	35.30	ng	98
14) 1,2-Dichlorobenzene	7.04	146	223411	35.92	ng	98
15) Benzyl Alcohol	7.01	79	177449	33.83	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.15	45	330886	34.91	ng	98
17) 2-Methylphenol	7.12	107	176026	35.73	ng	98
18) Hexachloroethane	7.38	117	77415	34.90	ng	96
19) n-Nitroso-di-n-propylamine	7.28	70	139294	29.89	ng	96
20) 3+4-Methylphenols	7.27	107	214156	34.35	ng	# 88
22) Acetophenone	7.28	105	275994	32.86	ng	# 98
24) Nitrobenzene	7.45	77	207343	38.67	ng	98
25) Isophorone	7.69	82	382528	34.94	ng	98
26) 2-Nitrophenol	7.77	139	114988	46.00	ng	92
27) 2,4-Dimethylphenol	7.80	122	193820	39.50	ng	97
28) bis(2-Chloroethoxy)methane	7.90	93	242876	33.92	ng	99
29) 2,4-Dichlorophenol	8.01	162	184754	39.44	ng	96
30) 1,2,4-Trichlorobenzene	8.09	180	191912	37.87	ng	95
31) Naphthalene	8.17	128	602761	36.34	ng	100
32) Benzoic acid	7.89	122	43418	18.67	ng	96
33) 4-Chloroaniline	8.22	127	60969	8.83	ng	96
34) Hexachlorobutadiene	8.29	225	110027	36.52	ng	98
35) Caprolactam	8.59	113	37236	23.16	ng	96
36) 4-Chloro-3-methylphenol	8.70	107	182070	36.19	ng	95
37) 2-Methylnaphthalene	8.87	142	417300	37.89	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	196042	36.78	ng	# 97
40) Hexachlorocyclopentadiene	9.02	237	166708	66.45	ng	99

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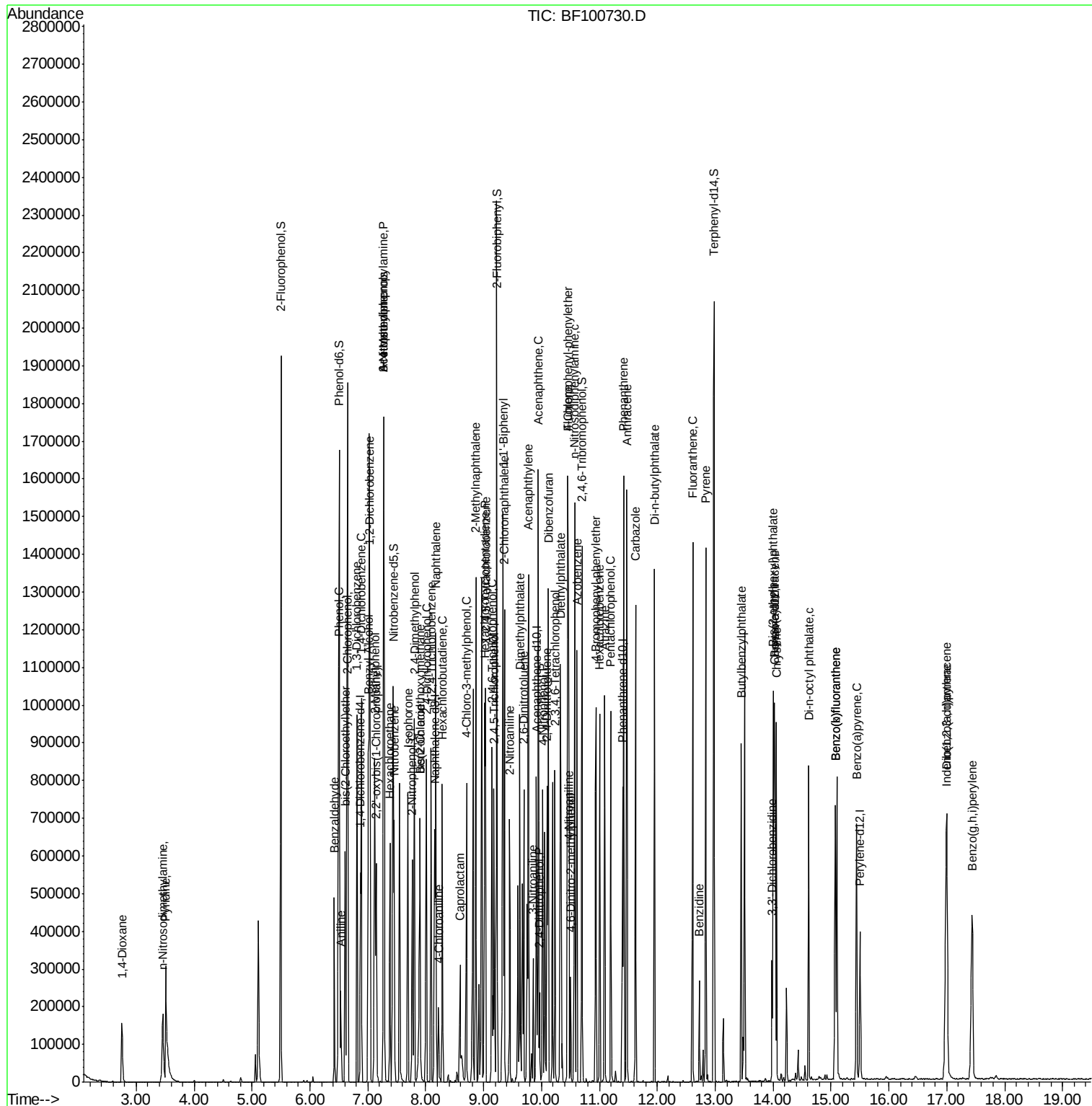
Quant Time: Nov 21 03:24:46 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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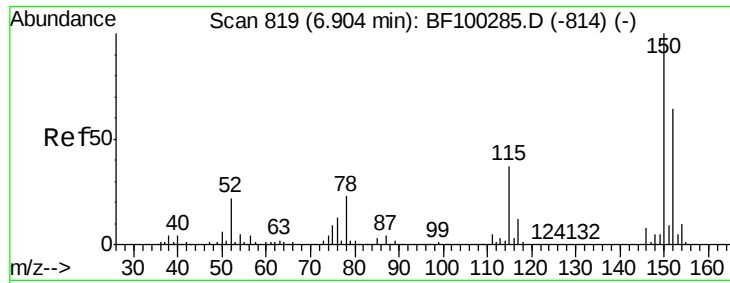
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	135450	40.09	ng	96
43) 2,4,5-Trichlorophenol	9.19	196	136288	38.94	ng	# 89
45) 1,1'-Biphenyl	9.33	154	494589	35.58	ng	98
46) 2-Chloronaphthalene	9.36	162	389239	38.60	ng	96
47) 2-Nitroaniline	9.45	65	110693	37.78	ng	98
48) Acenaphthylene	9.77	152	588823	35.23	ng	99
49) Dimethylphthalate	9.63	163	440806	35.92	ng	100
50) 2,6-Dinitrotoluene	9.69	165	99711	41.05	ng	91
51) Acenaphthene	9.95	154	362637	35.68	ng	99
52) 3-Nitroaniline	9.86	138	51464	17.94	ng	99
53) 2,4-Dinitrophenol	9.97	184	34089	43.10	ng	# 10
54) Dibenzofuran	10.12	168	523251	36.73	ng	98
55) 4-Nitrophenol	10.02	139	138583	59.50	ng	88
56) 2,4-Dinitrotoluene	10.10	165	127088	41.47	ng	# 88
57) Fluorene	10.46	166	402128	38.53	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.23	232	108938	37.97	ng	# 84
59) Diethylphthalate	10.33	149	421557	34.33	ng	97
60) 4-Chlorophenyl-phenylether	10.45	204	195447	38.17	ng	# 87
61) 4-Nitroaniline	10.47	138	92118	33.87	ng	88
62) Azobenzene	10.61	77	380040	32.86	ng	94
64) 4,6-Dinitro-2-methylphenol	10.50	198	37474	28.62	ng	75
65) n-Nitrosodiphenylamine	10.57	169	371736	35.16	ng	95
66) 4-Bromophenyl-phenylether	10.94	248	124166	38.09	ng	# 85
67) Hexachlorobenzene	11.00	284	130430	38.26	ng	# 90
68) Atrazine	11.09	200	116046	36.26	ng	97
69) Pentachlorophenol	11.20	266	110637	45.26	ng	99
70) Phenanthrene	11.42	178	586738	36.65	ng	99
71) Anthracene	11.47	178	604773	37.23	ng	99
72) Carbazole	11.63	167	508164	33.91	ng	99
73) Di-n-butylphthalate	11.95	149	638586	36.41	ng	99
74) Fluoranthene	12.61	202	564958	33.30	ng	96
76) Benzidine	12.73	184	107067	16.35	ng	97
77) Pyrene	12.84	202	553014	47.45	ng	98
79) Butylbenzylphthalate	13.45	149	209300	44.04	ng	90
80) Benzo(a)anthracene	14.02	228	377476	38.34	ng	98
81) 3,3'-Dichlorobenzidine	13.98	252	65141	18.47	ng	97
82) Chrysene	14.06	228	353121	37.04	ng	98
83) Bis(2-ethylhexyl)phthalate	14.00	149	259713	41.55	ng	99
84) Di-n-octyl phthalate	14.62	149	383353	35.70	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	453390	58.80	ng	95
87) Benzo(b)fluoranthene	15.07	252	353484	34.23	ng	97
88) Benzo(k)fluoranthene	15.07	252	353484	36.23	ng	97
89) Benzo(a)pyrene	15.44	252	355975	38.88	ng	97
90) Dibenzo(a,h)anthracene	17.00	278	370643	49.50	ng	97
91) Benzo(g,h,i)perylene	17.44	276	390918	53.34	ng	# 93

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

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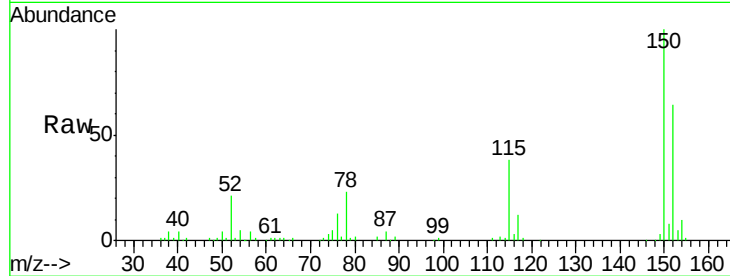


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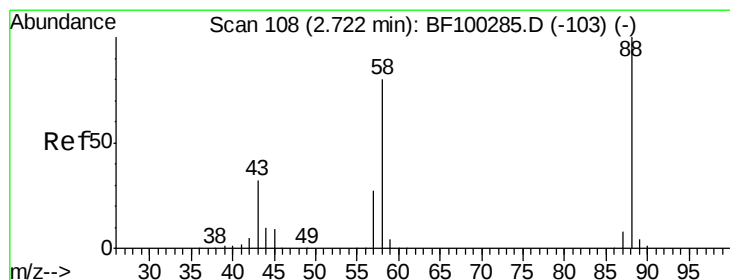
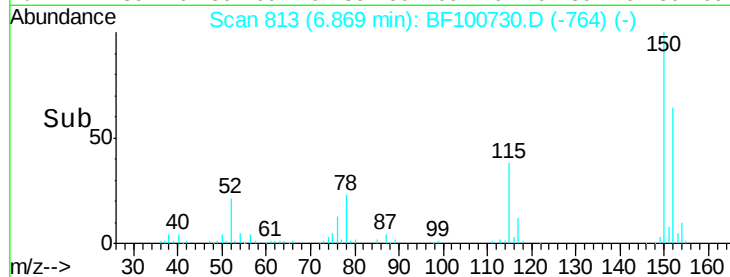
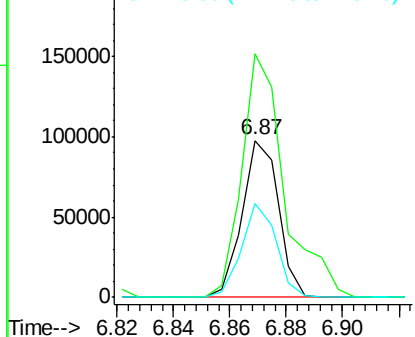
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

Tgt Ion:152 Resp: 87363
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 59.6 50.1 75.1



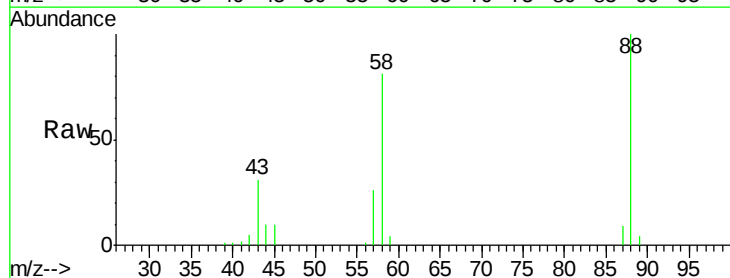
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



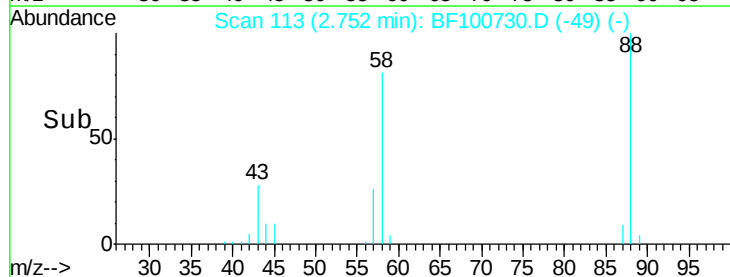
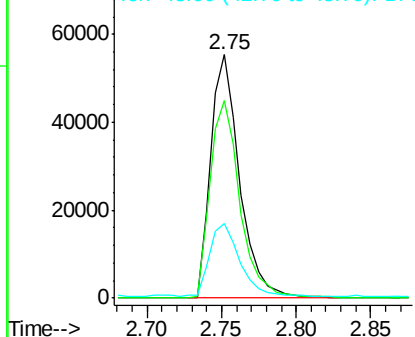
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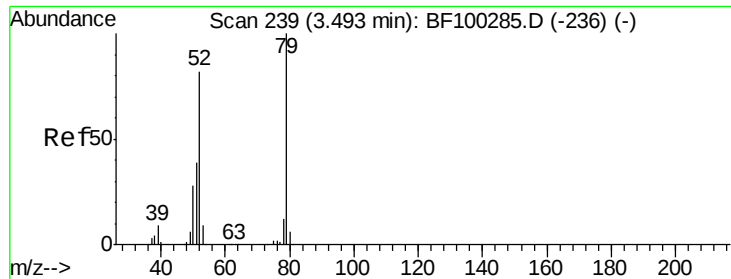
1,4-Dioxane
Concen: 28.14 ng
RT: 2.75 min Scan# 113
Delta R.T. 0.08 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion: 88 Resp: 74727
Ion Ratio Lower Upper
88 100
58 83.7 62.6 93.8
43 31.4 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: 28.81 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.06 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

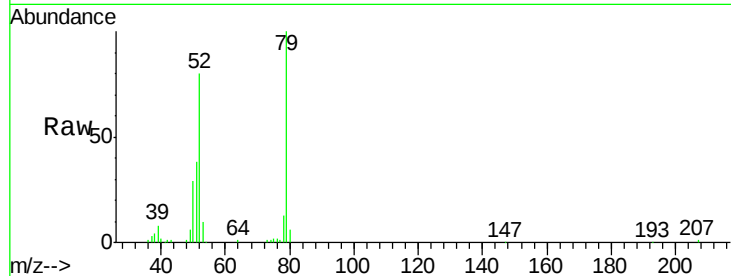
Tgt Ion: 79 Resp: 208737

Ion Ratio Lower Upper

79 100

52 79.5 59.8 89.6

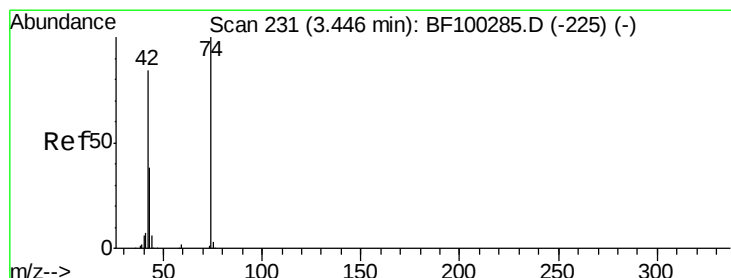
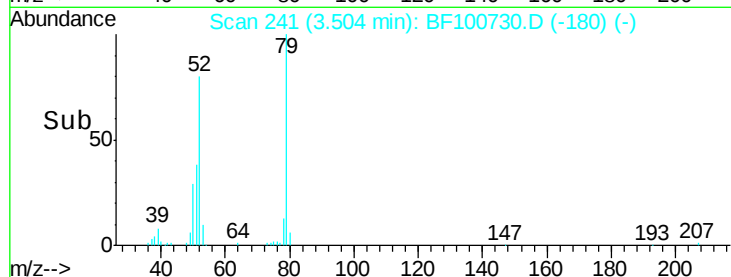
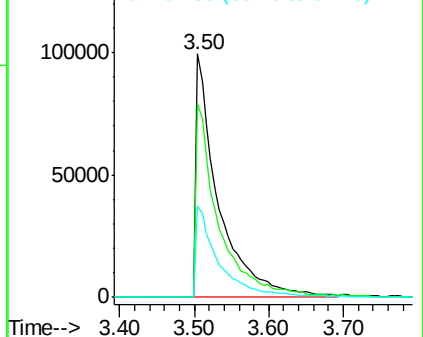
51 37.6 29.8 44.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 28.08 ng

RT: 3.46 min Scan# 233

Delta R.T. 0.05 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

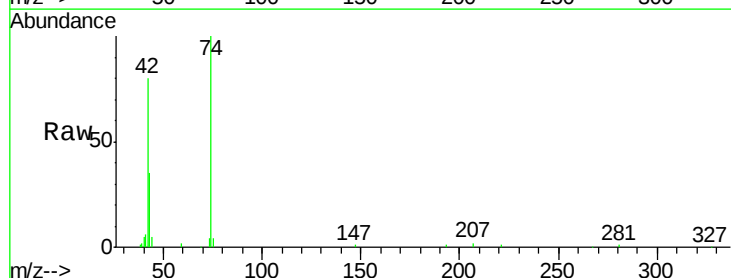
Tgt Ion: 42 Resp: 98804

Ion Ratio Lower Upper

42 100

74 125.4 104.9 157.3

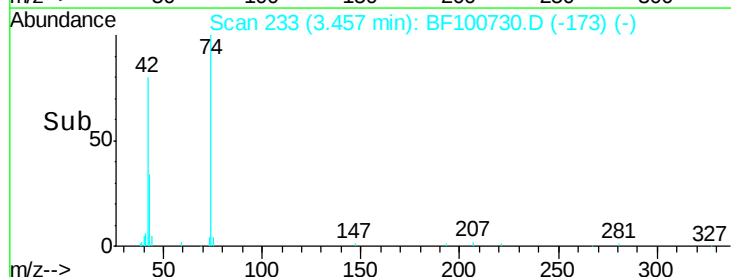
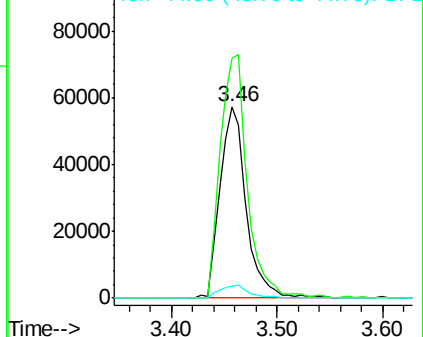
44 6.6 6.9 10.3#

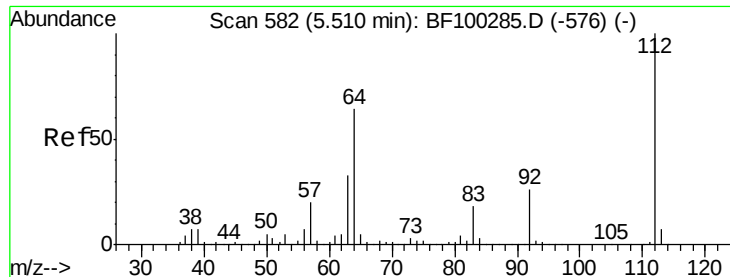


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1

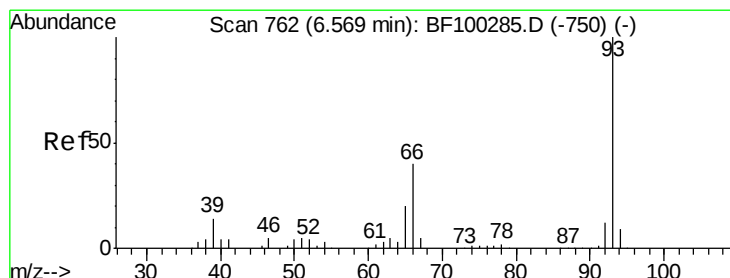
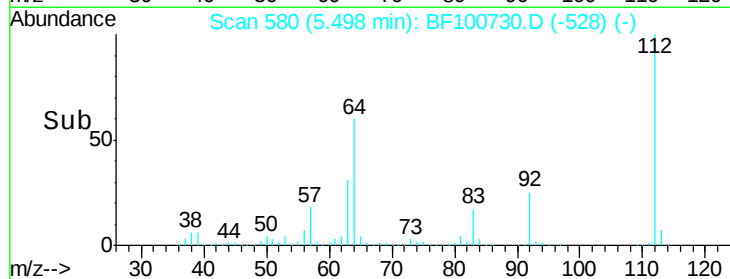
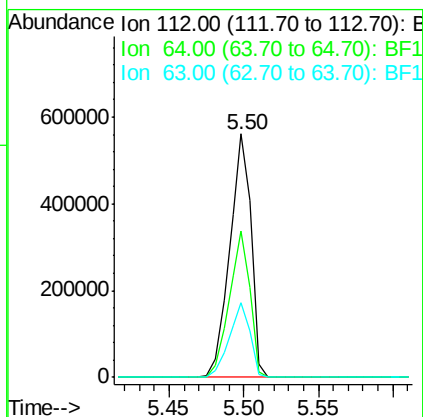
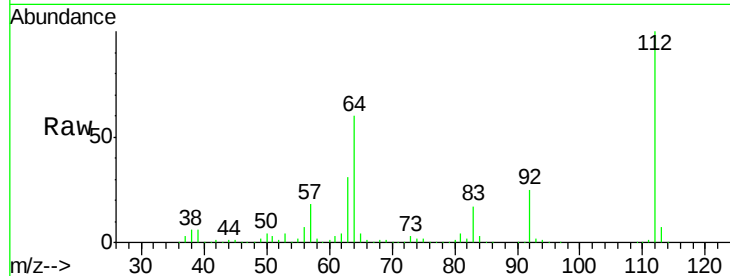




#5
 2-Fluorophenol
 Concen: 103.92 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

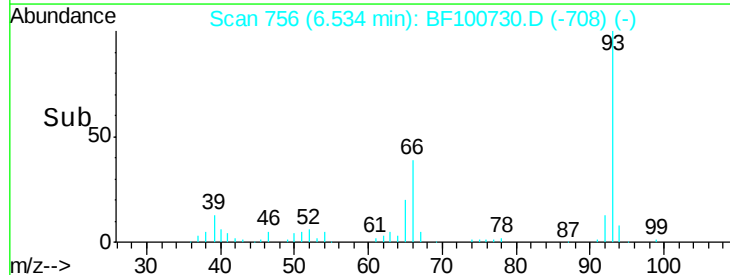
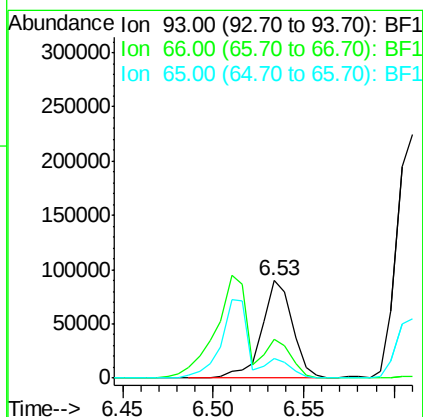
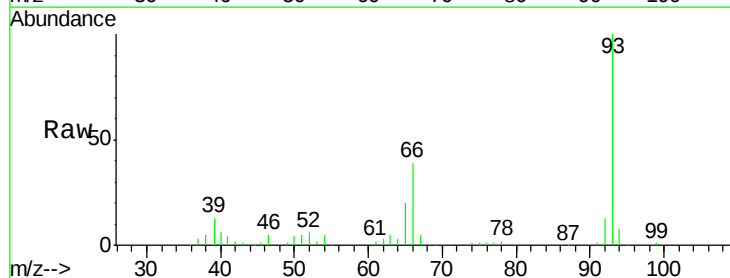
Instrument :
 BNA_F
 ClientSampleId :
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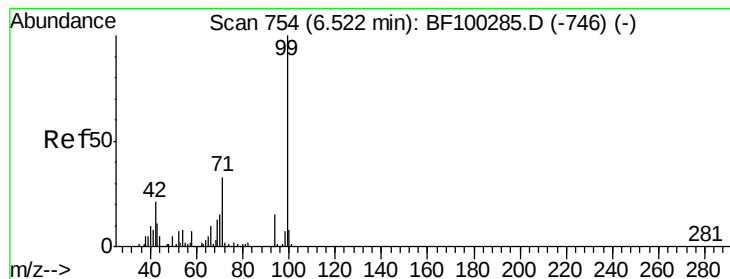
Tgt Ion: 112 Resp: 566353
 Ion Ratio Lower Upper
 112 100
 64 60.3 47.9 71.9
 63 30.6 23.7 35.5



#6
 Aniline
 Concen: 11.20 ng
 RT: 6.53 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion: 93 Resp: 106331
 Ion Ratio Lower Upper
 93 100
 66 39.4 32.2 48.2
 65 20.2 16.4 24.6





#7

Phenol-d6

Concen: 101.28 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

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ClientSampleId :

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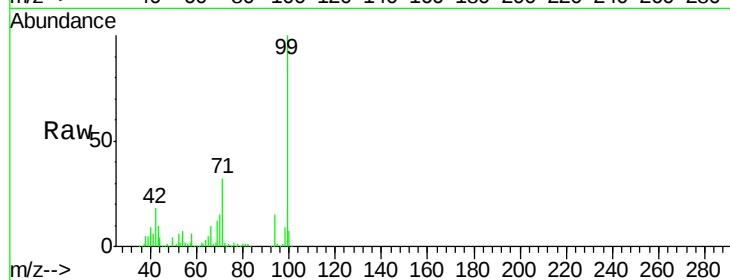
Tgt Ion: 99 Resp: 680654

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

71 31.7 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

600000

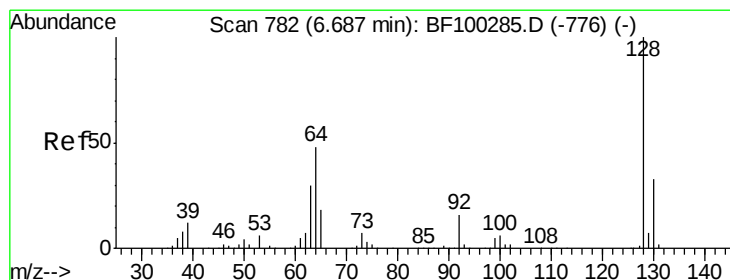
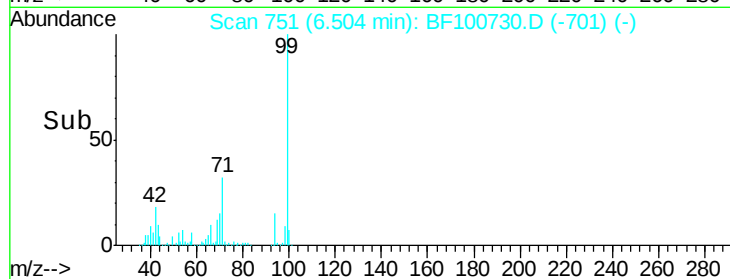
400000

200000

0

6.45 6.50 6.55 6.60

Time-->



#8

2-Chlorophenol

Concen: 35.88 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

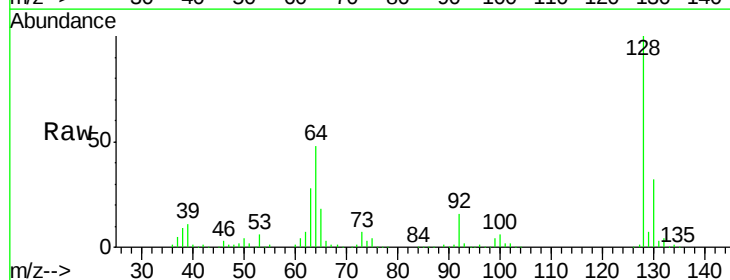
Tgt Ion: 128 Resp: 206875

Ion Ratio Lower Upper

128 100

130 32.1 13.0 53.0

64 47.7 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

300000

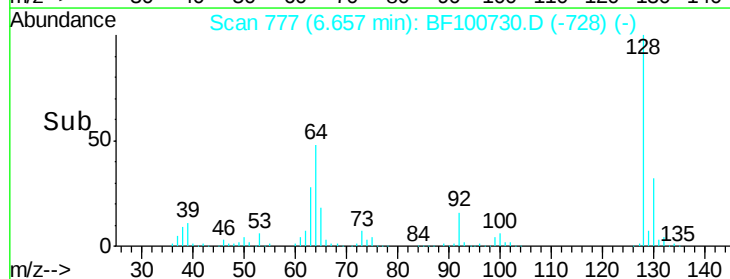
200000

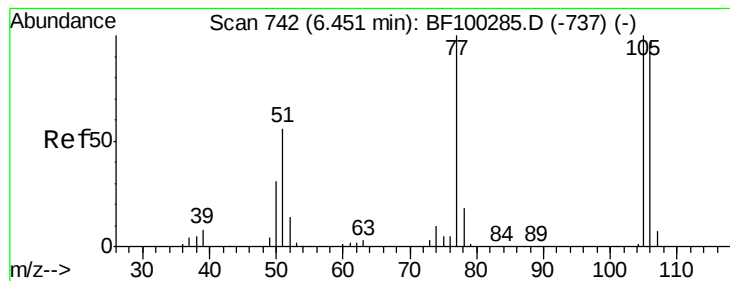
100000

0

6.60 6.65 6.70

Time-->





#9

Benzaldehyde

Concen: 17.11 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

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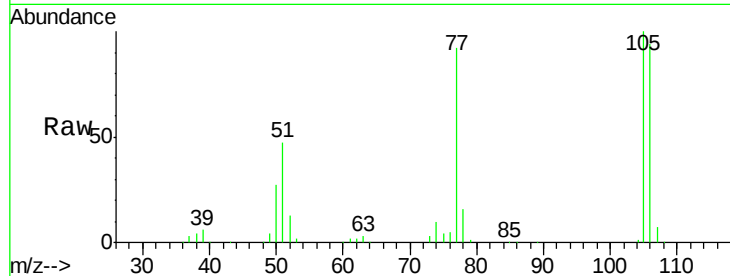
Tgt Ion: 77 Resp: 82104

Ion Ratio Lower Upper

77 100

105 108.4 81.1 121.1

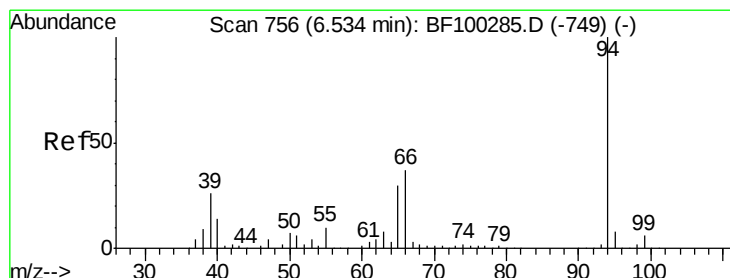
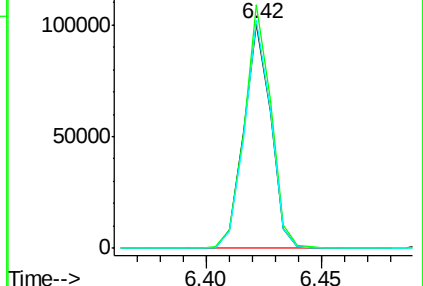
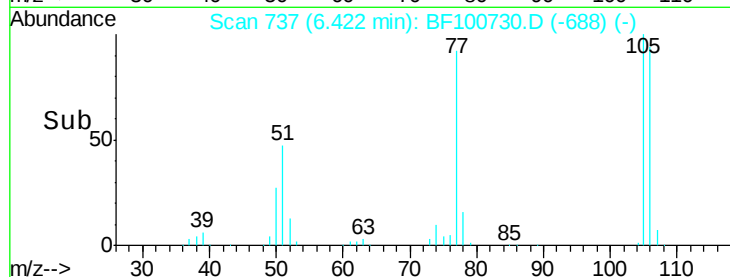
106 101.5 74.5 114.5



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: 34.49 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

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Acq: 20 Nov 2017 15:10

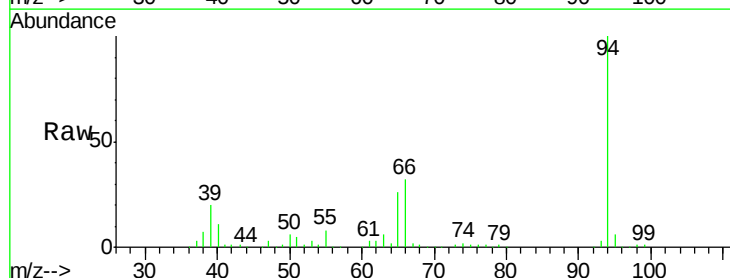
Tgt Ion: 94 Resp: 243326

Ion Ratio Lower Upper

94 100

65 26.5 7.9 47.9

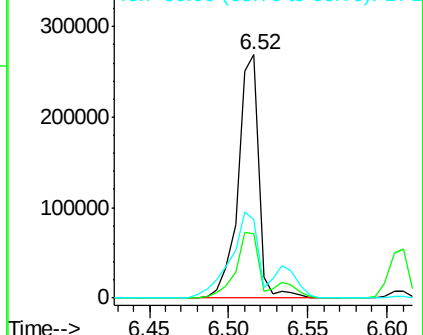
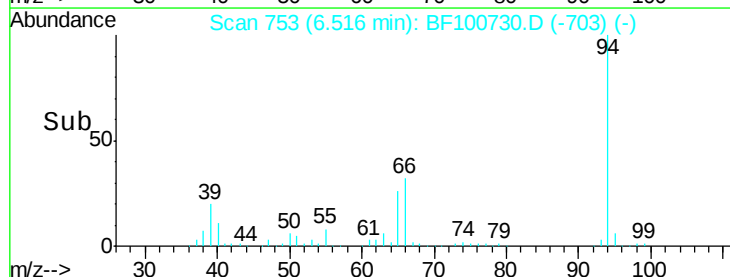
66 32.4 16.2 56.2

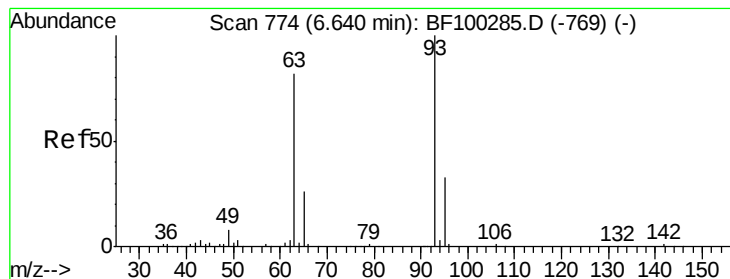


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 31.64 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

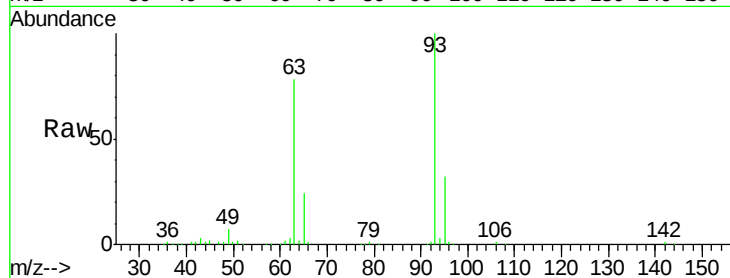
Tgt Ion: 93 Resp: 187475

Ion Ratio Lower Upper

93 100

63 77.7 58.6 98.6

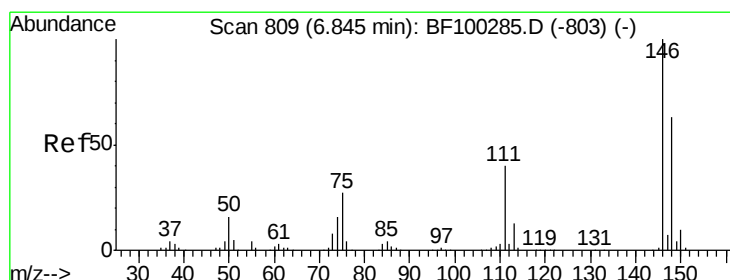
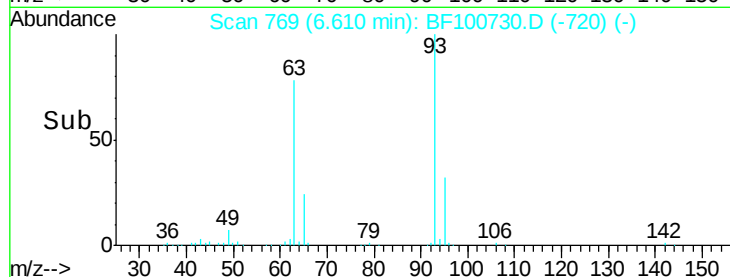
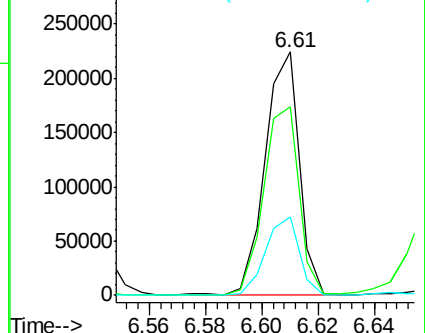
95 32.3 11.8 51.8



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: 35.75 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

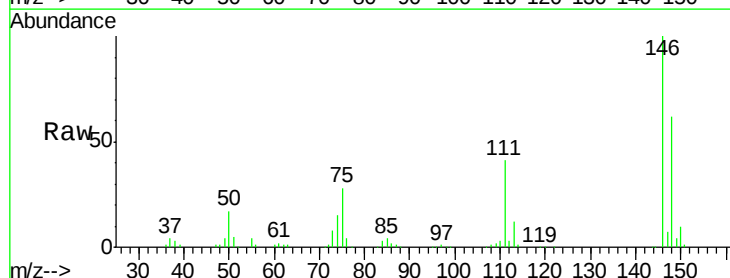
Tgt Ion: 146 Resp: 237607

Ion Ratio Lower Upper

146 100

148 62.2 51.8 77.8

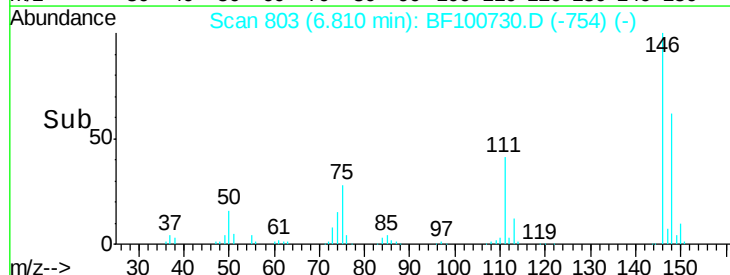
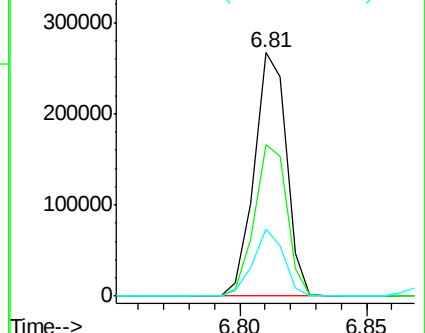
75 27.8 24.2 36.4

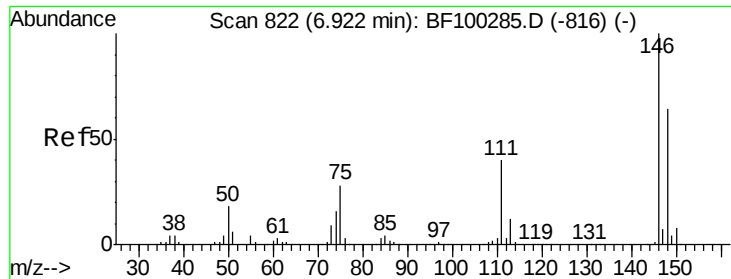


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

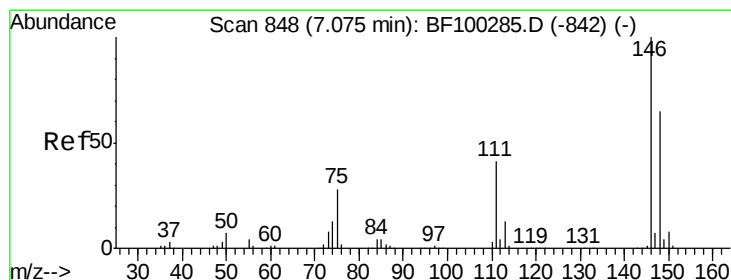
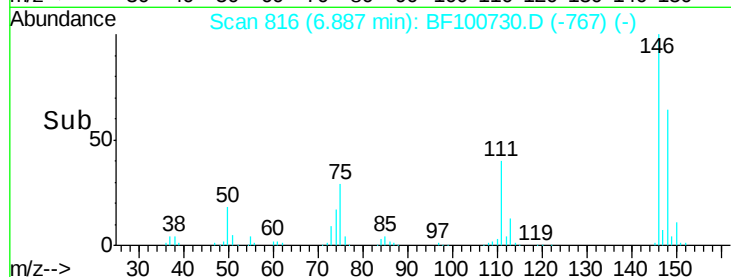
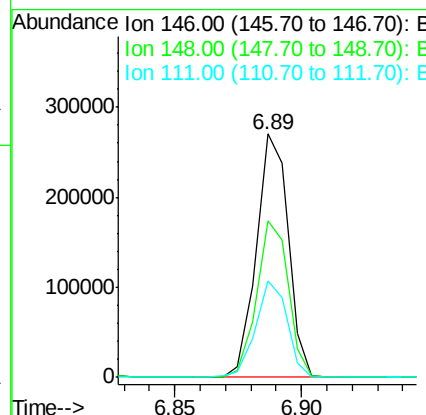
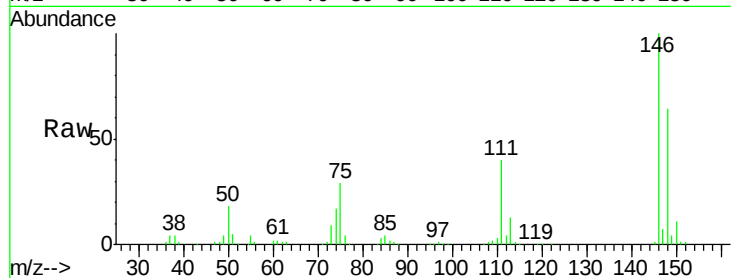




#13
 1,4-Dichlorobenzene
 Concen: 35.30 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

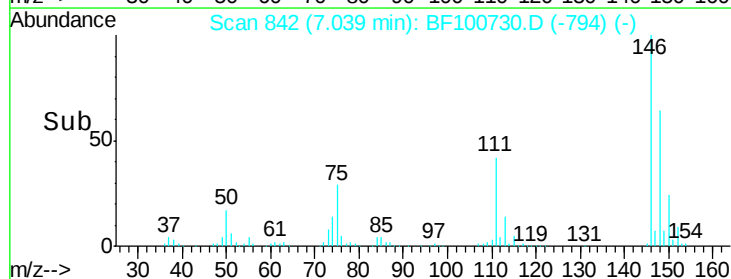
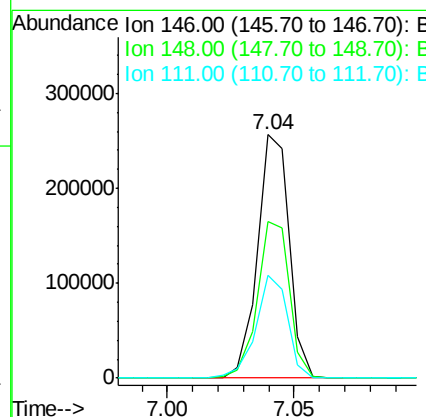
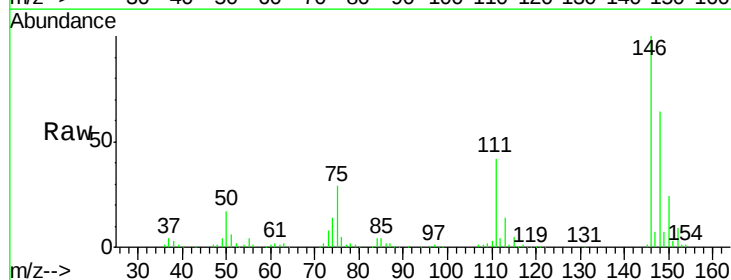
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

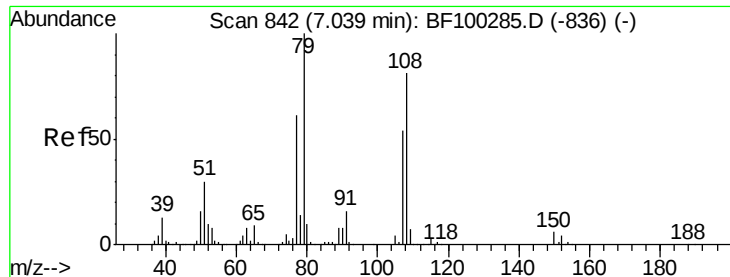
Tgt Ion:146 Resp: 237479
 Ion Ratio Lower Upper
 146 100
 148 64.1 50.8 76.2
 111 39.7 34.2 51.2



#14
 1,2-Dichlorobenzene
 Concen: 35.92 ng
 RT: 7.04 min Scan# 842
 Delta R.T. -0.02 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:146 Resp: 223411
 Ion Ratio Lower Upper
 146 100
 148 64.2 50.6 75.8
 111 42.4 36.0 54.0





#15

Benzyl Alcohol

Concen: 33.83 ng

RT: 7.01 min Scan# 837

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

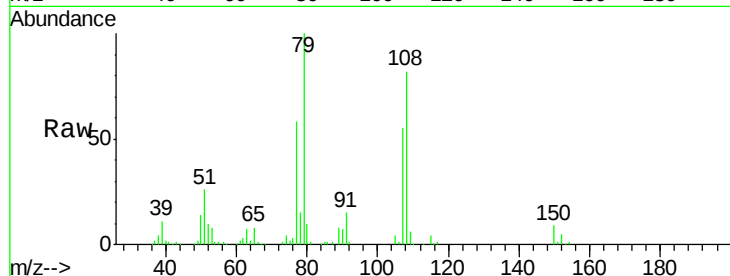
Tgt Ion: 79 Resp: 177449

Ion Ratio Lower Upper

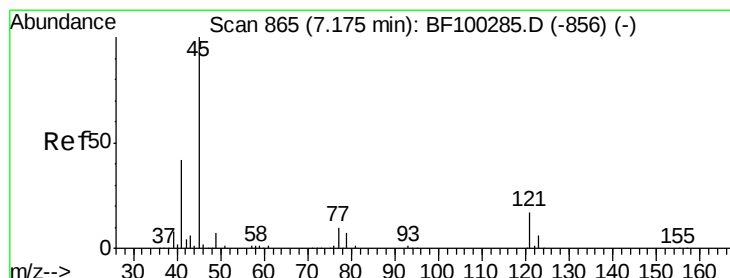
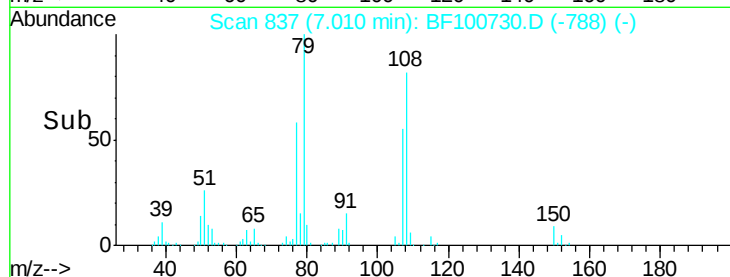
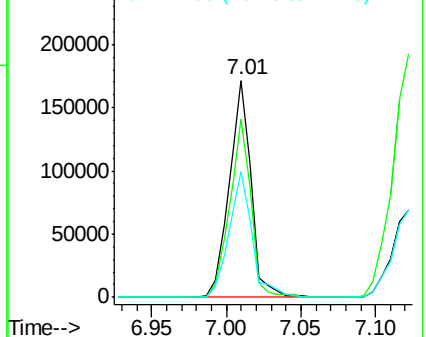
79 100

108 82.4 65.1 97.7

77 58.3 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.91 ng

RT: 7.15 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

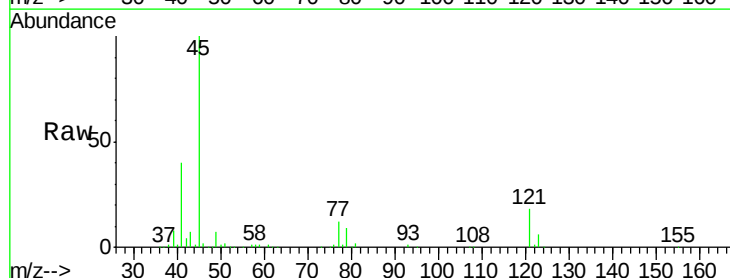
Tgt Ion: 45 Resp: 330886

Ion Ratio Lower Upper

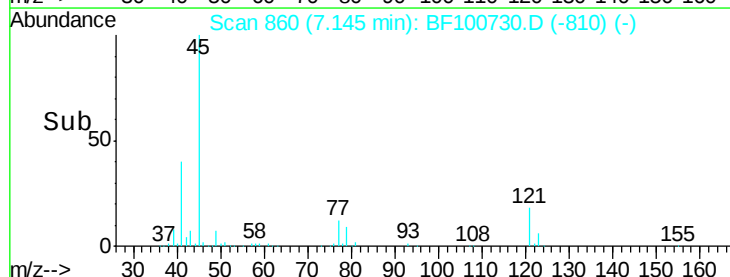
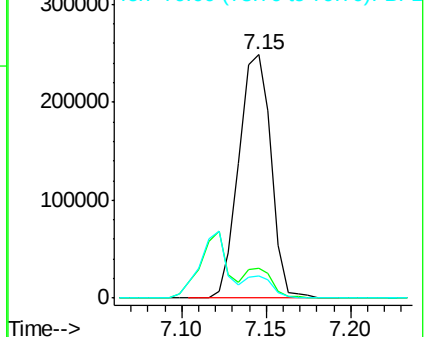
45 100

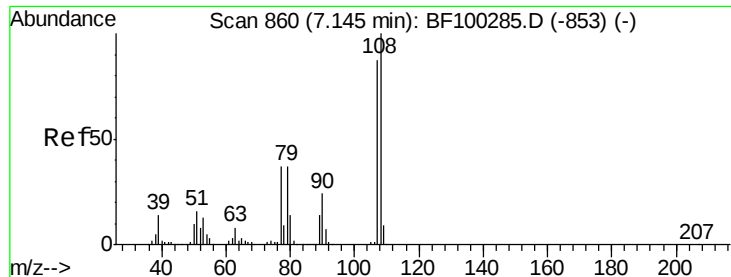
77 12.0 0.0 32.9

79 9.2 0.0 29.6



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 35.73 ng

RT: 7.12 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

Tgt Ion:107 Resp: 176026

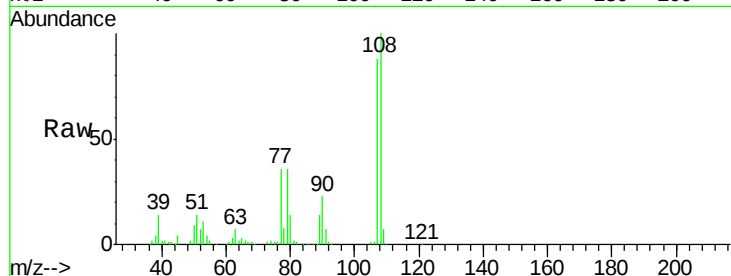
Ion Ratio Lower Upper

107 100

108 113.1 91.7 137.5

77 40.5 33.8 50.8

79 40.4 33.8 50.8

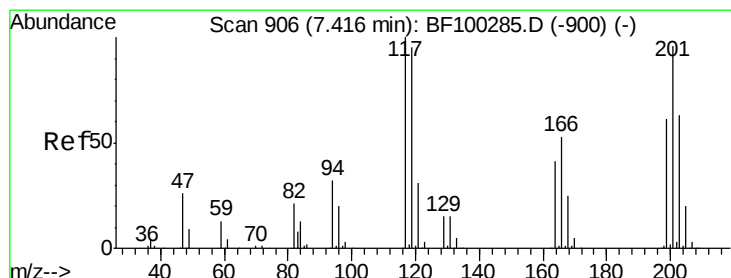
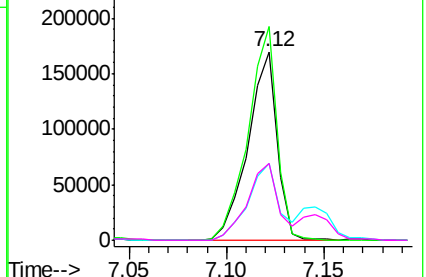
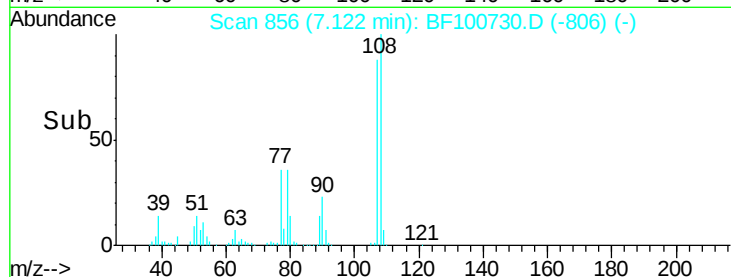


Abundance Ion 107.00 (106.70 to 107.70): E

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: 34.90 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.02 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

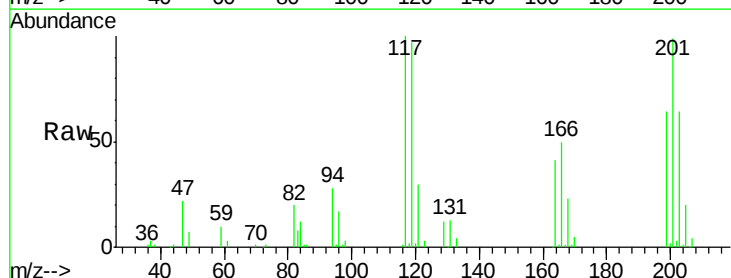
Tgt Ion:117 Resp: 77415

Ion Ratio Lower Upper

117 100

119 97.4 75.8 113.8

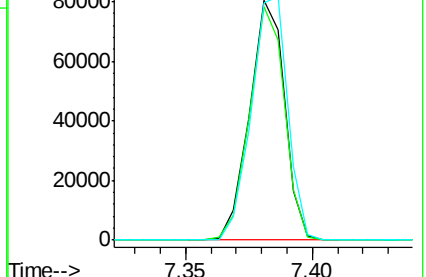
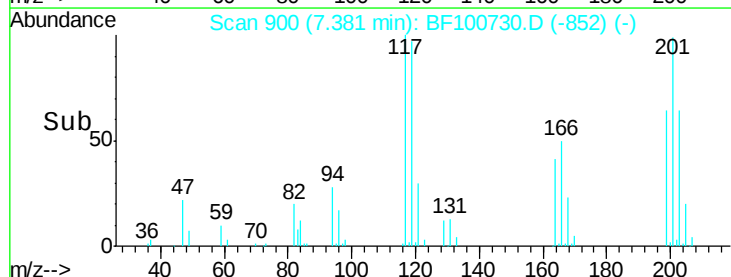
201 99.0 75.7 113.5

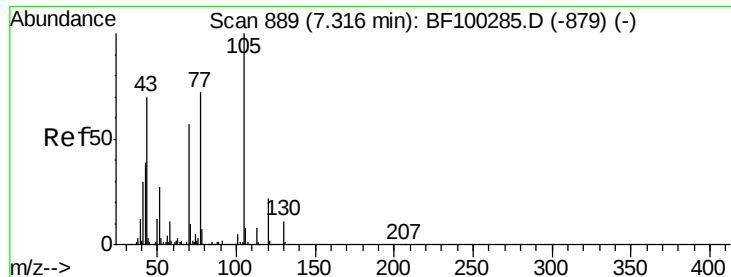


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

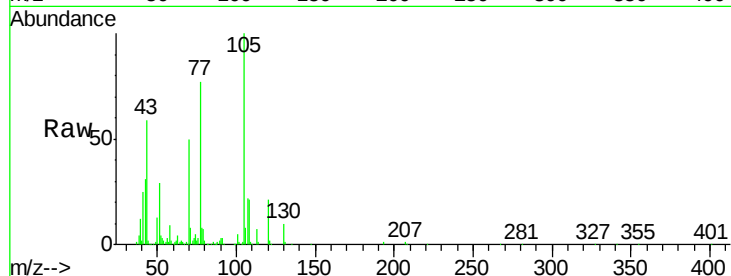




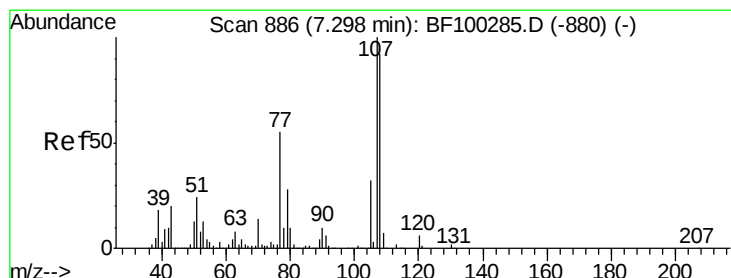
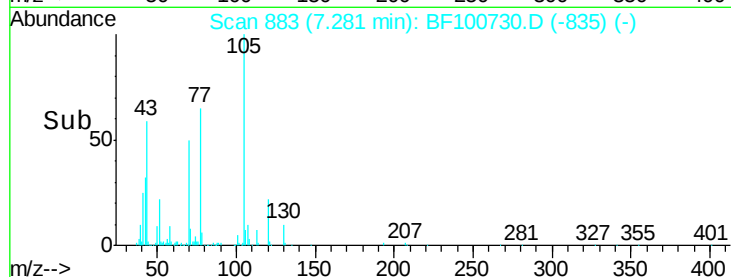
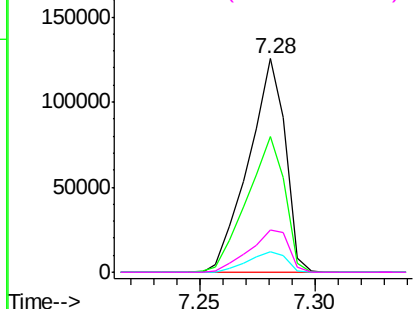
#19
n-Nitroso-di-n-propylamine
Concen: 29.89 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

Tgt Ion: 70 Resp: 139294
Ion Ratio Lower Upper
70 100
42 63.3 47.5 71.3
101 9.6 7.4 11.2
130 19.9 16.6 25.0

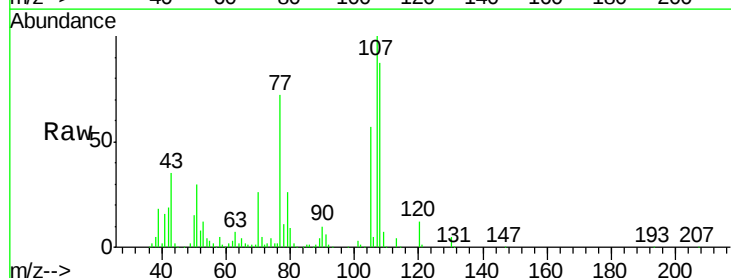


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

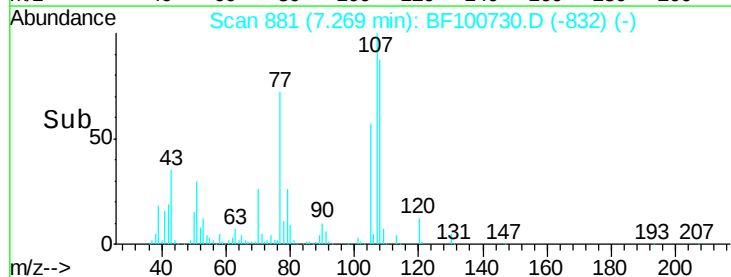
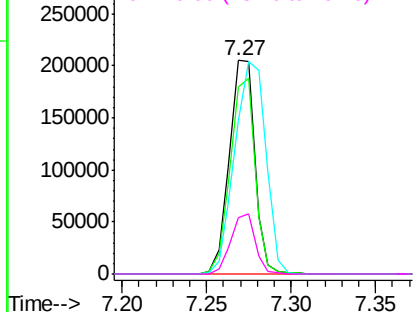


#20
3+4-Methylphenols
Concen: 34.35 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion: 107 Resp: 214156
Ion Ratio Lower Upper
107 100
108 87.3 68.2 108.2
77 72.2 26.7 66.7#
79 26.2 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

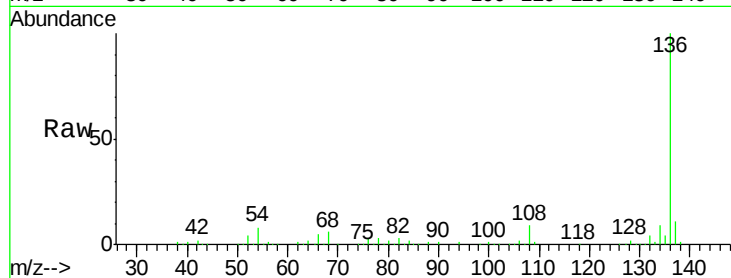




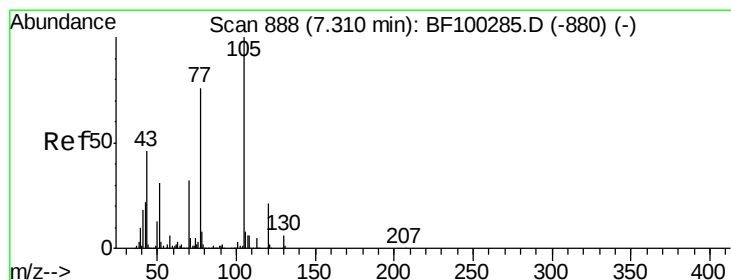
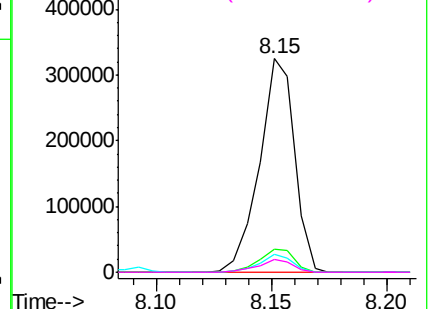
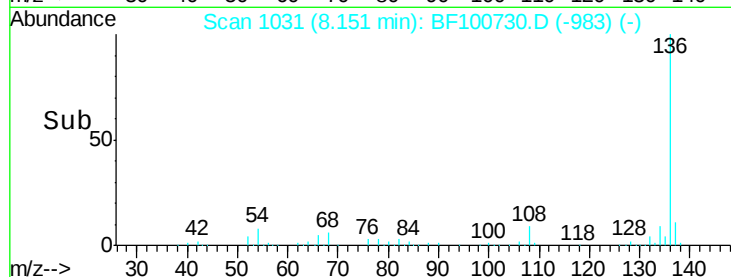
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

Tgt Ion:	136	Resp:	344401
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.3	6.6	9.8
68	5.8	5.0	7.4

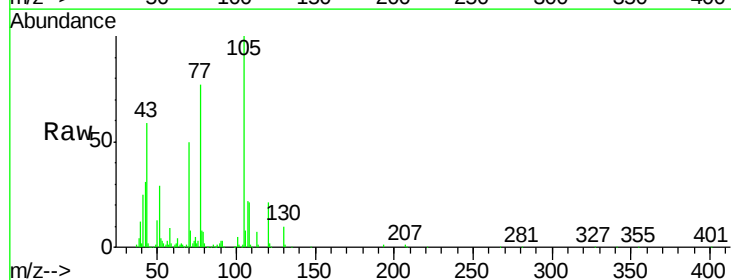


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

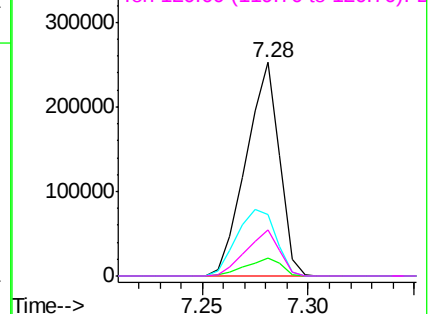
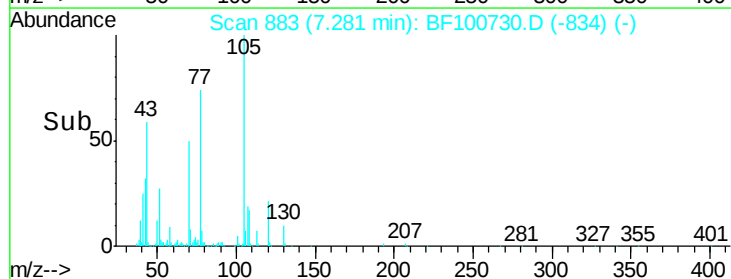


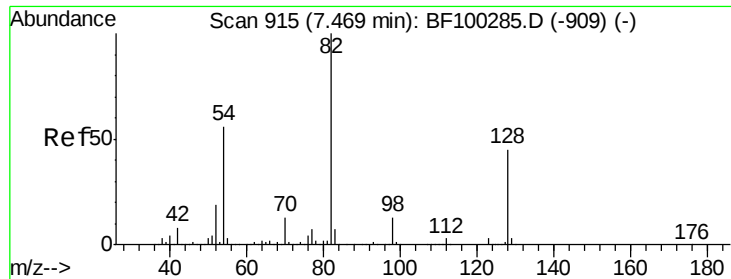
#22
Acetophenone
Concen: 32.86 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion:	105	Resp:	275994
Ion	Ratio	Lower	Upper
105	100		
71	8.3	4.4	6.6#
51	28.7	22.3	33.5
120	21.4	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

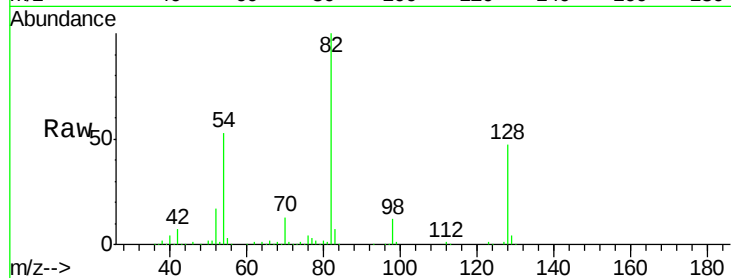




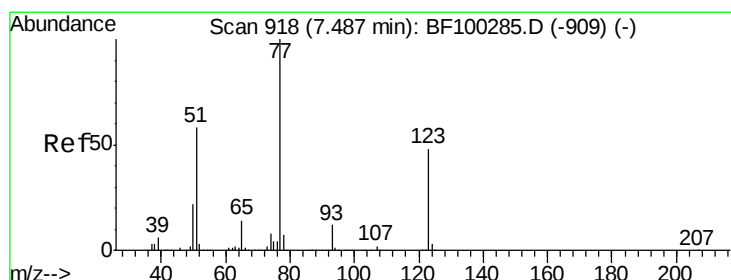
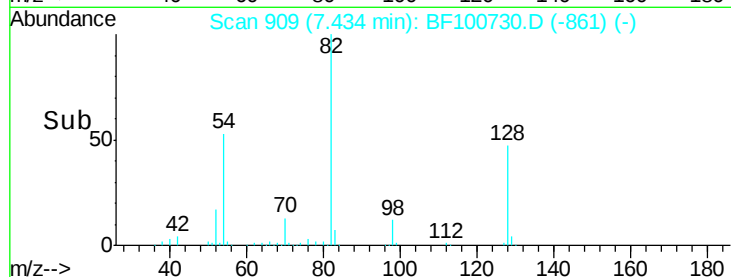
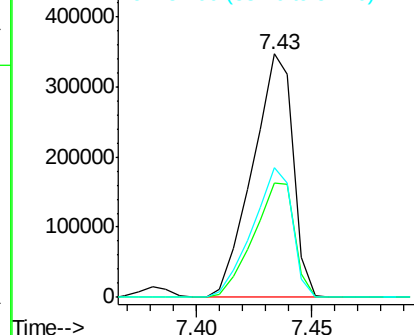
#23
 Nitrobenzene-d5
 Concen: 81.19 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

Tgt Ion: 82 Resp: 422945
 Ion Ratio Lower Upper
 82 100
 128 47.0 36.1 54.1
 54 53.4 41.4 62.2

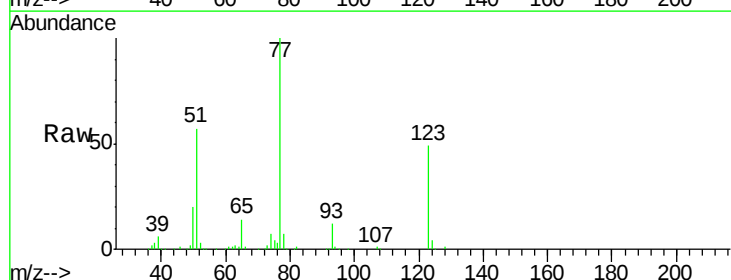


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

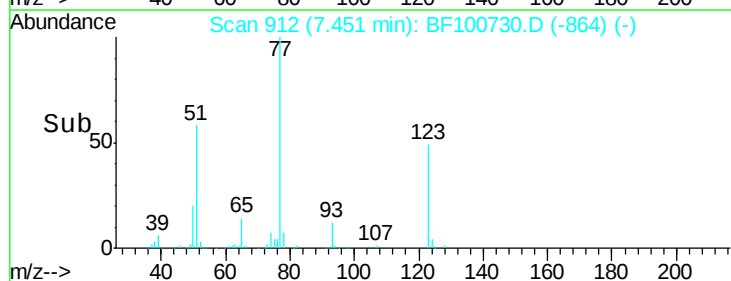
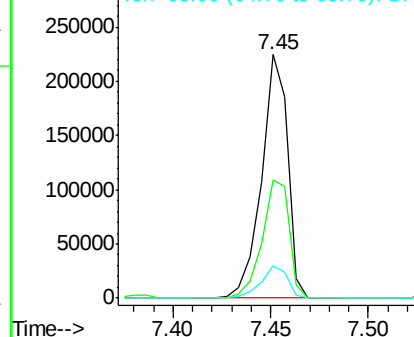


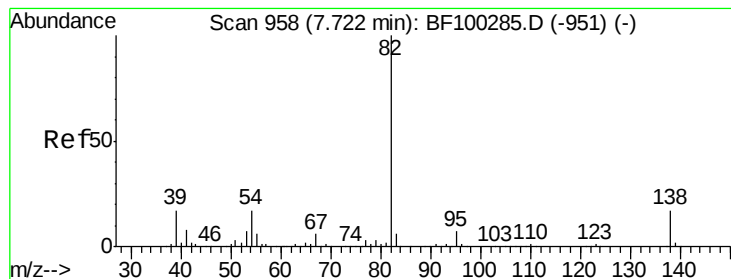
#24
 Nitrobenzene
 Concen: 38.67 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.02 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion: 77 Resp: 207343
 Ion Ratio Lower Upper
 77 100
 123 48.8 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: 34.94 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

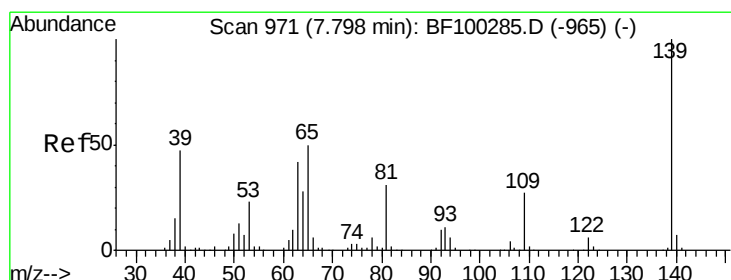
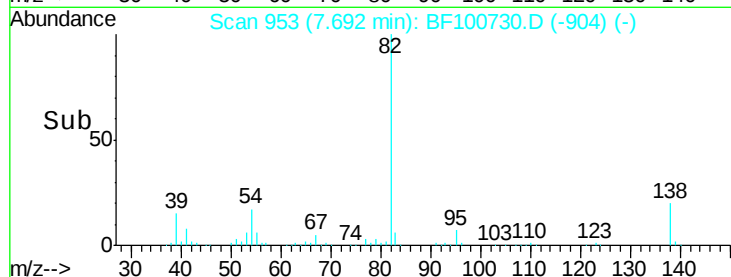
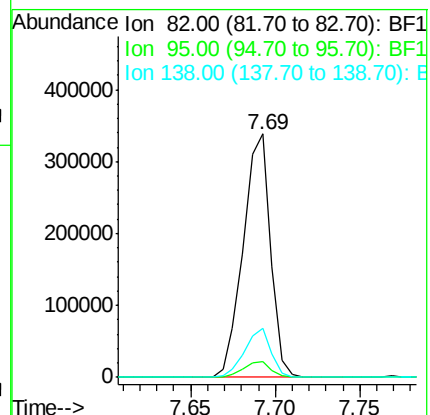
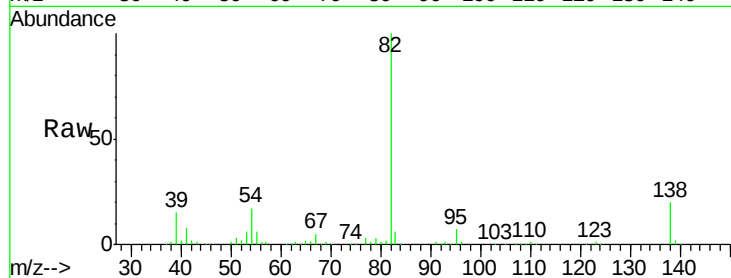
Tgt Ion: 82 Resp: 382528

Ion Ratio Lower Upper

82 100

95 6.6 5.2 7.8

138 19.9 14.9 22.3



#26

2-Nitrophenol

Concen: 46.00 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

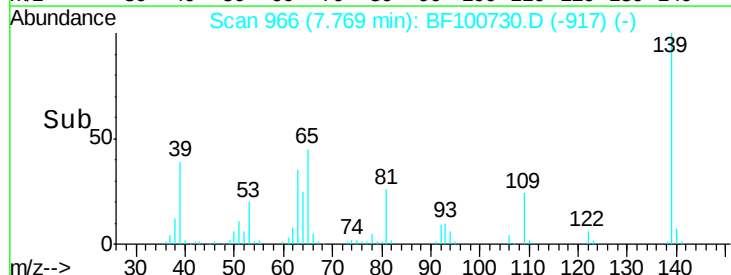
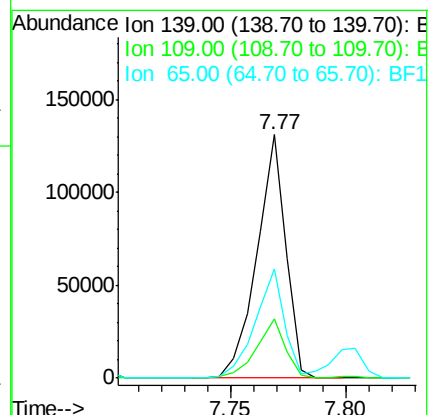
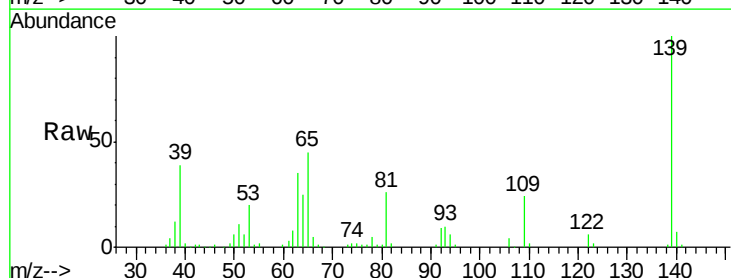
Tgt Ion: 139 Resp: 114988

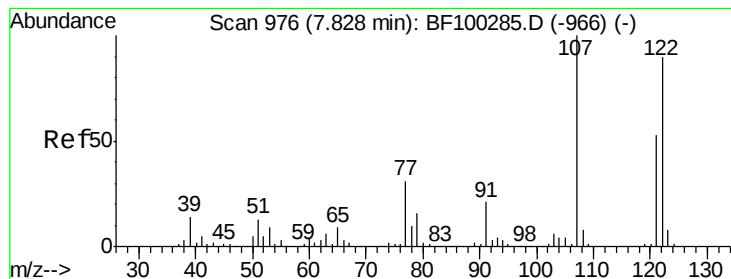
Ion Ratio Lower Upper

139 100

109 24.3 22.7 34.1

65 44.7 40.5 60.7





#27

2,4-Dimethylphenol

Concen: 39.50 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

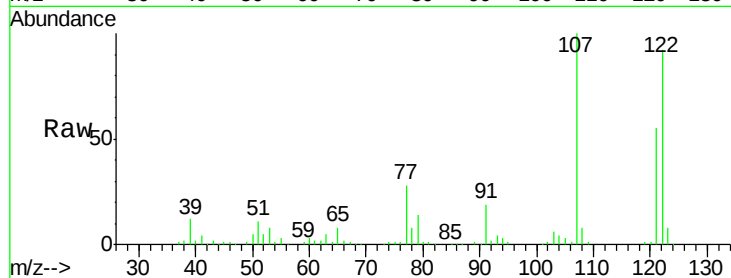
Tgt Ion: 122 Resp: 193820

Ion Ratio Lower Upper

122 100

107 108.8 91.2 136.8

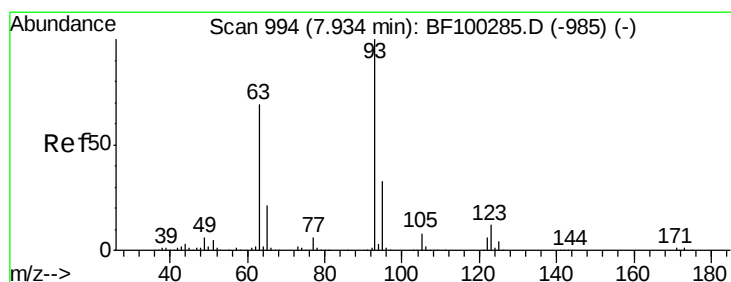
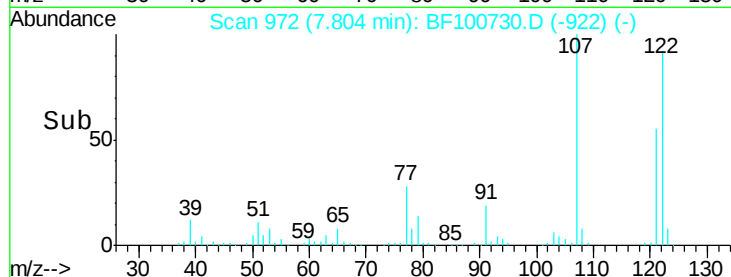
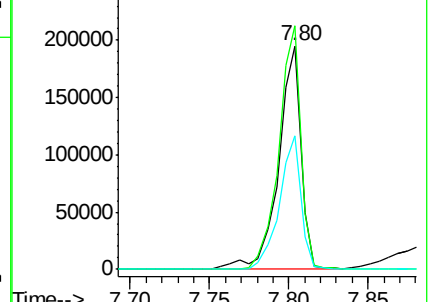
121 59.4 47.2 70.8



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: 33.92 ng

RT: 7.90 min Scan# 988

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

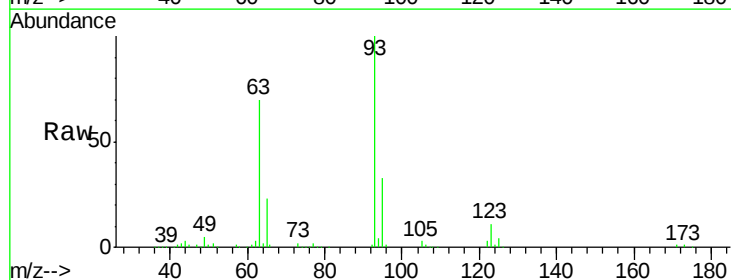
Tgt Ion: 93 Resp: 242876

Ion Ratio Lower Upper

93 100

95 32.8 26.3 39.5

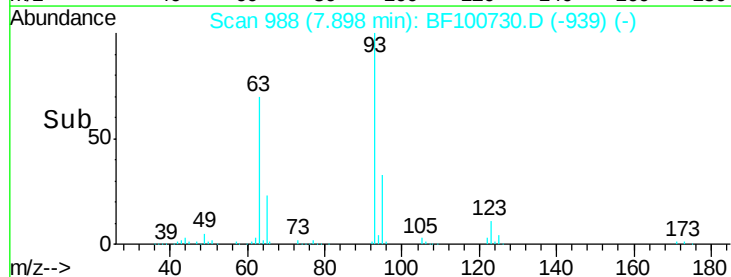
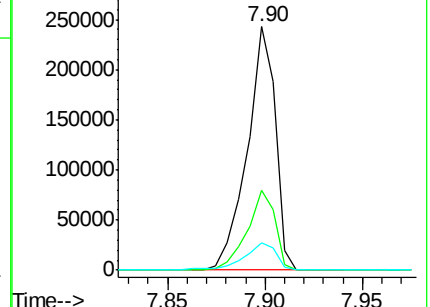
123 11.1 9.8 14.6

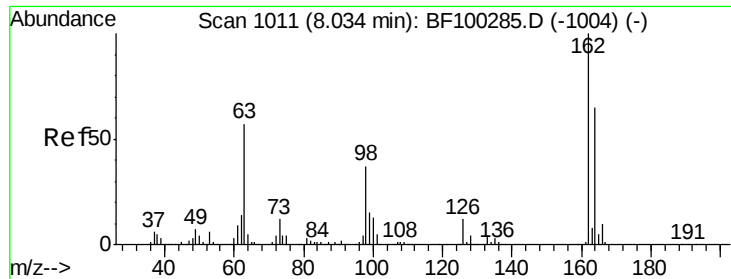


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

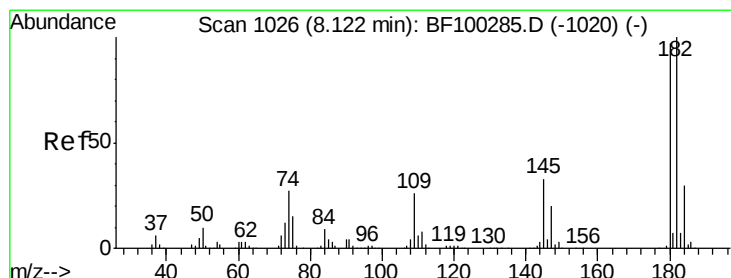
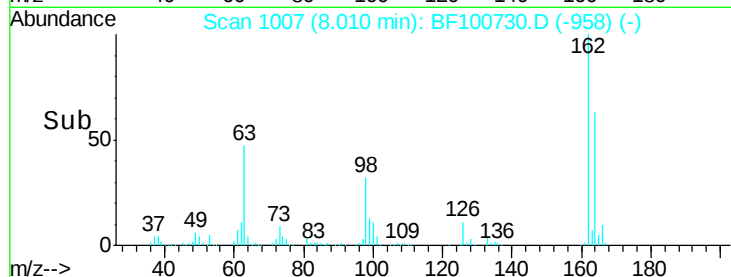
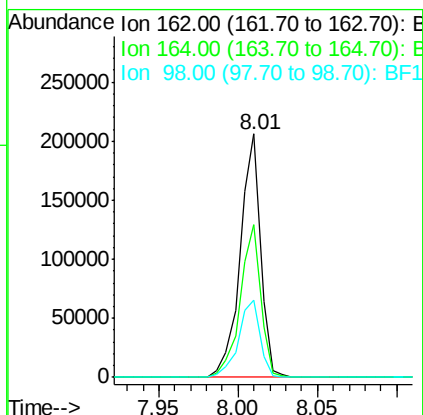
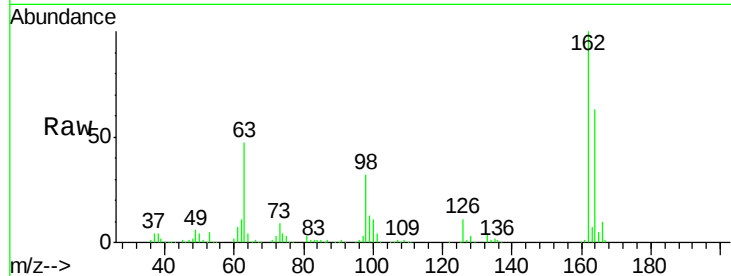




#29
 2,4-Dichlorophenol
 Concen: 39.44 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

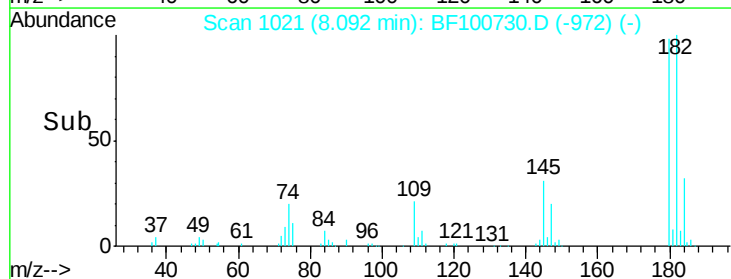
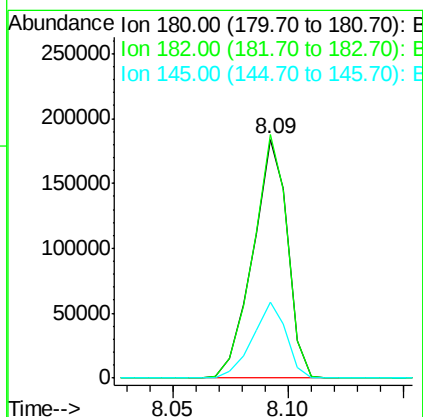
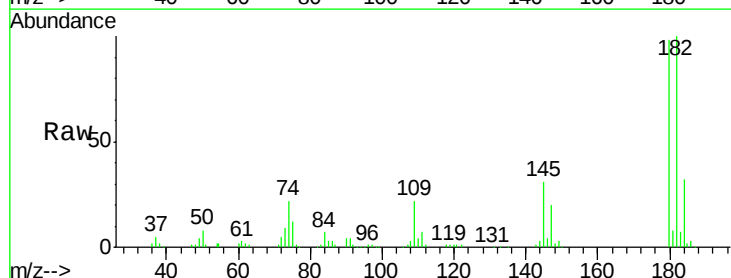
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

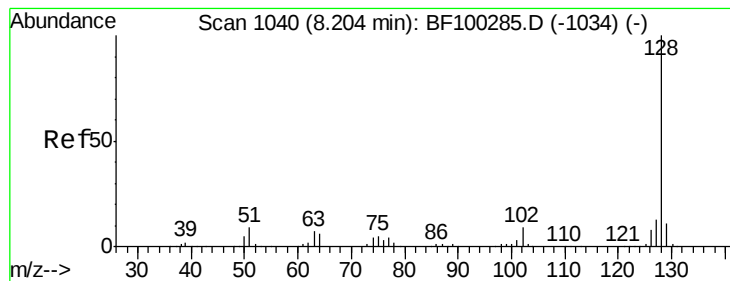
Tgt Ion:162 Resp: 184754
 Ion Ratio Lower Upper
 162 100
 164 63.0 42.7 82.7
 98 31.7 18.1 58.1



#30
 1,2,4-Trichlorobenzene
 Concen: 37.87 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:180 Resp: 191912
 Ion Ratio Lower Upper
 180 100
 182 102.1 76.8 115.2
 145 32.1 26.5 39.7





#31

Naphthalene

Concen: 36.34 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

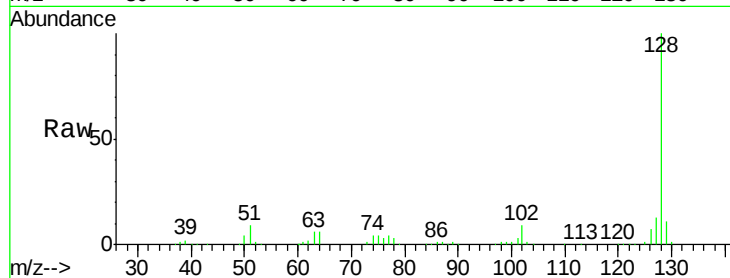
Tgt Ion:128 Resp: 602761

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

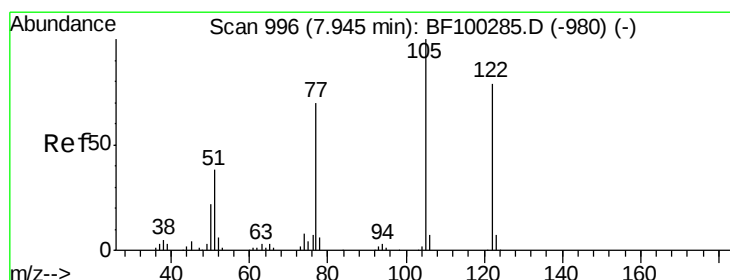
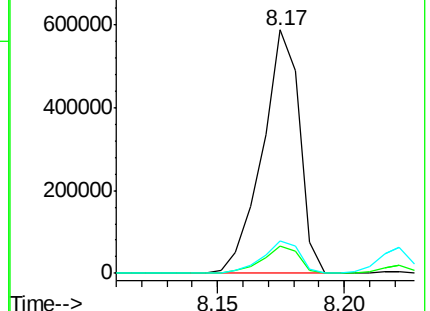
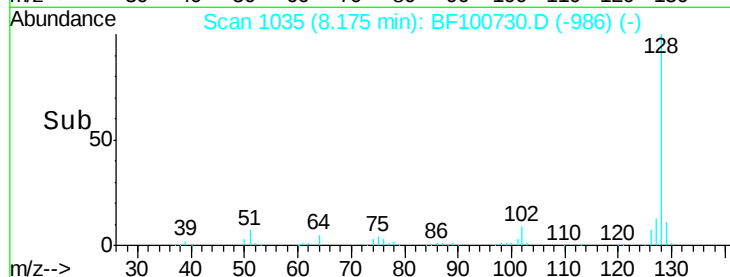
127 13.4 10.9 16.3



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: 18.67 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.04 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

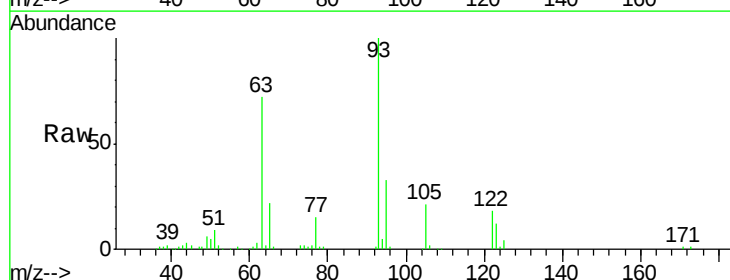
Tgt Ion:122 Resp: 43418

Ion Ratio Lower Upper

122 100

105 119.2 101.1 141.1

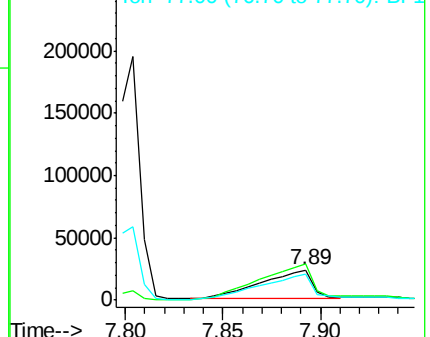
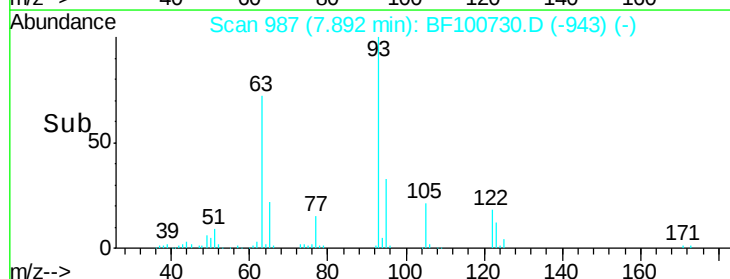
77 85.0 70.7 110.7

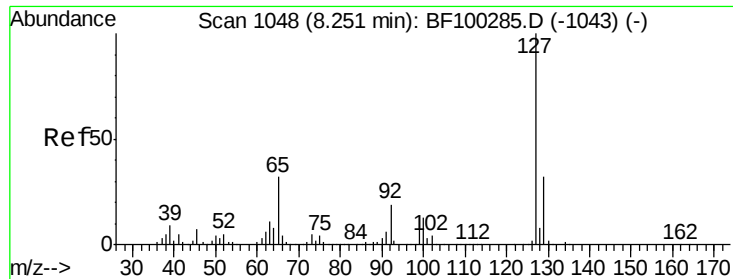


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

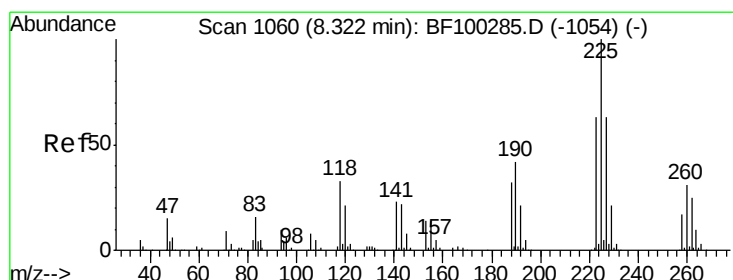
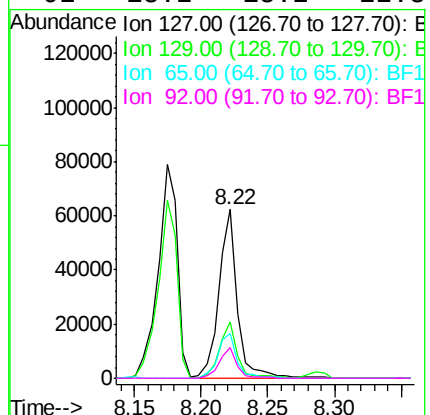
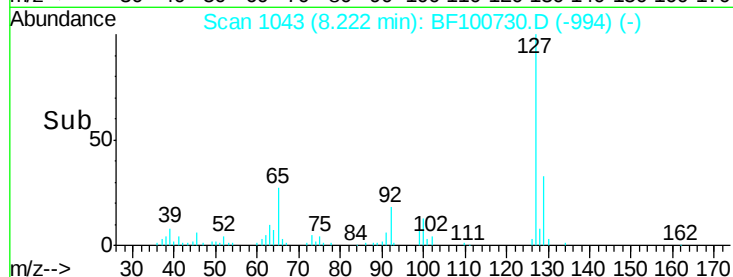
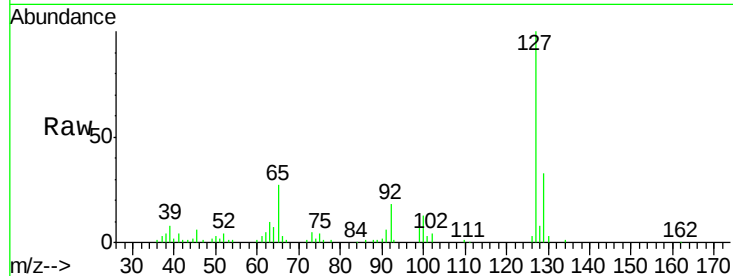




#33
4-Chloroaniline
Concen: 8.83 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

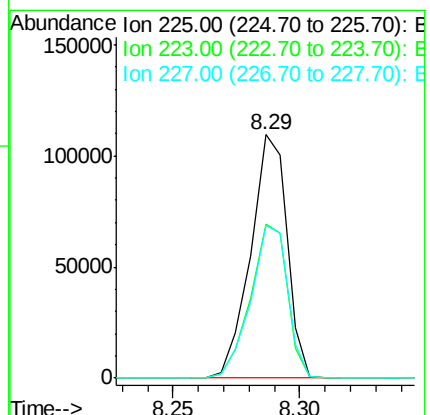
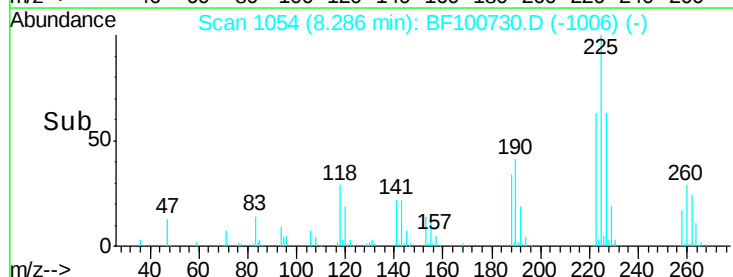
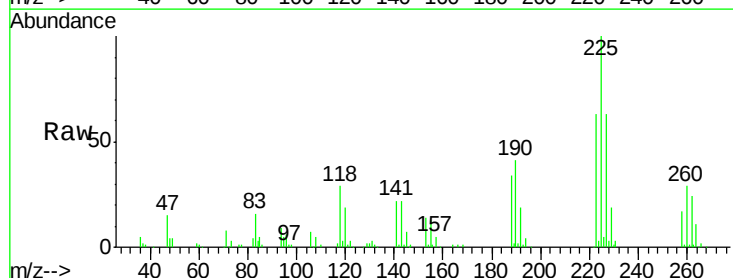
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

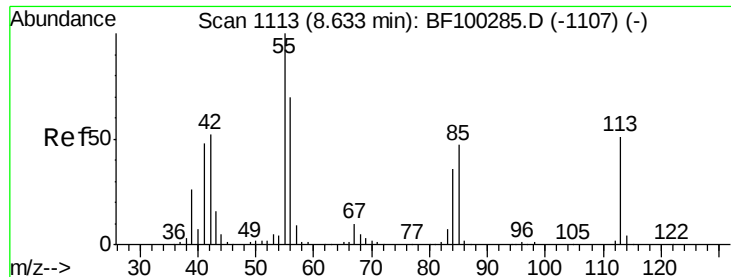
Tgt Ion:	127	Resp:	60969
Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.9	38.9
65	26.6	25.0	37.4
92	18.2	15.2	22.8



#34
Hexachlorobutadiene
Concen: 36.52 ng
RT: 8.29 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion:	225	Resp:	110027
Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	62.6	51.9	77.9

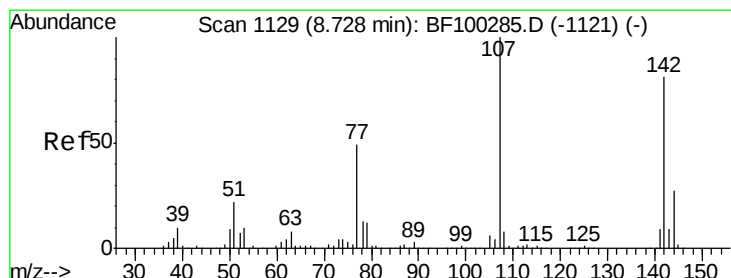
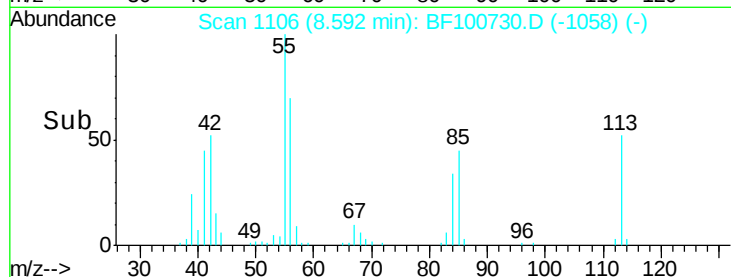
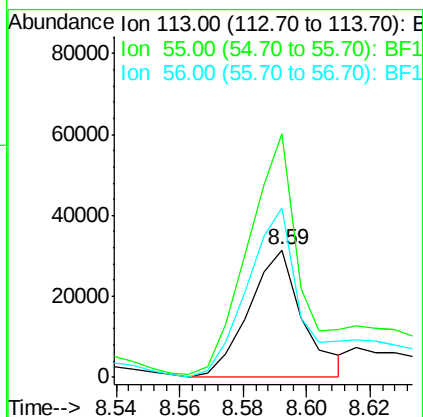
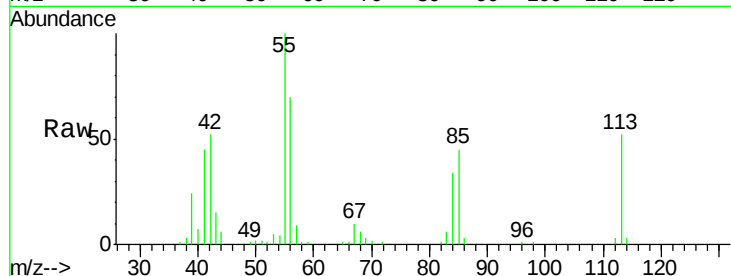




#35
 Caprolactam
 Concen: 23.16 ng
 RT: 8.59 min Scan# 1106
 Delta R.T. -0.02 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

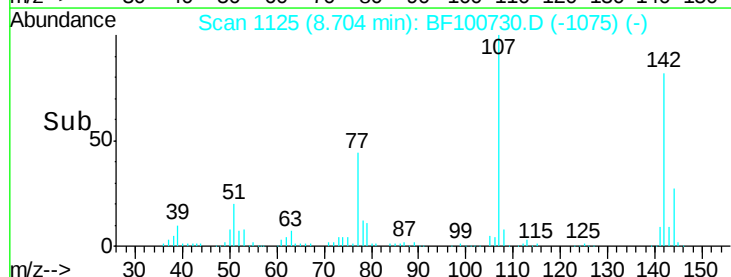
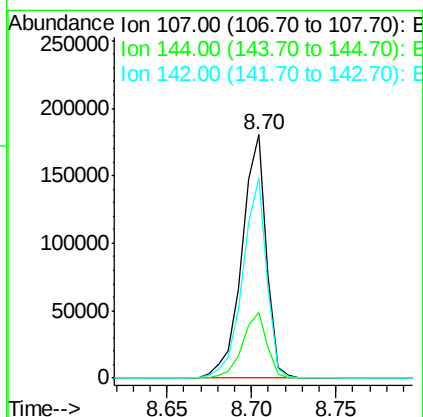
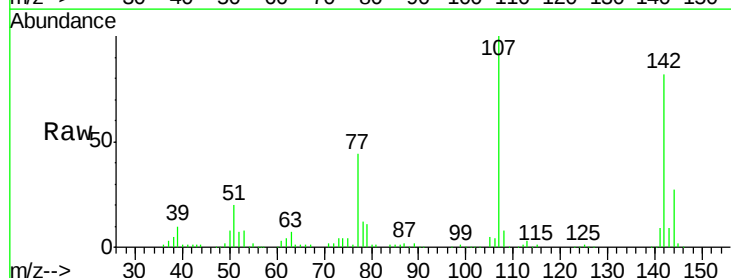
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

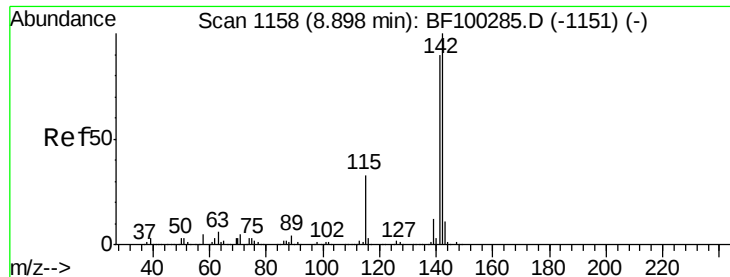
Tgt Ion:113 Resp: 37236
 Ion Ratio Lower Upper
 113 100
 55 190.8 163.3 203.3
 56 132.7 115.7 155.7



#36
 4-Chloro-3-methylphenol
 Concen: 36.19 ng
 RT: 8.70 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:107 Resp: 182070
 Ion Ratio Lower Upper
 107 100
 144 27.1 20.5 30.7
 142 82.1 62.0 93.0

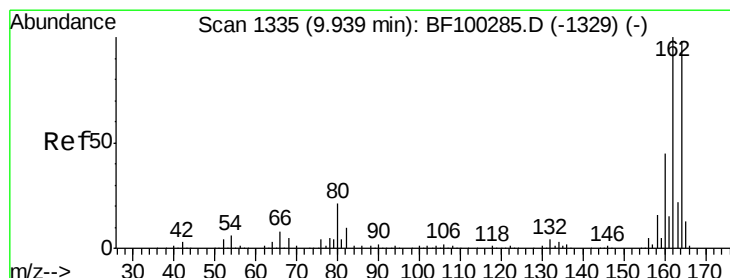
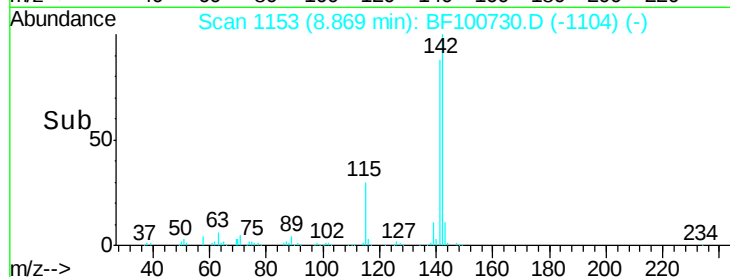
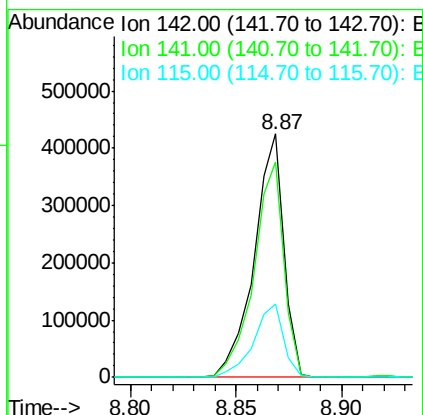
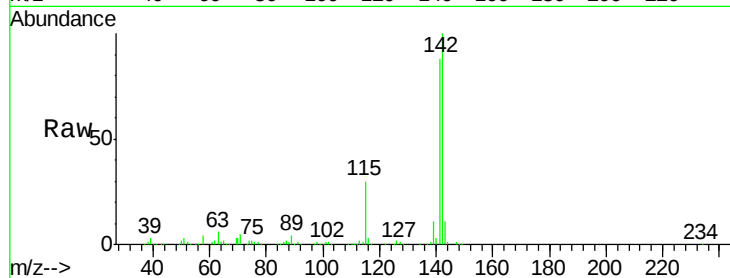




#37
 2-Methylnaphthalene
 Concen: 37.89 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

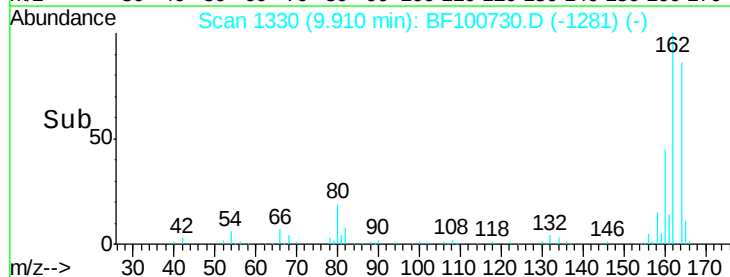
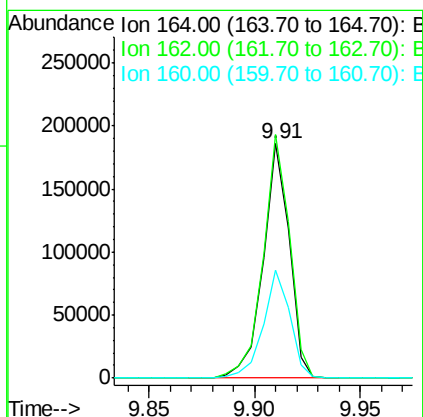
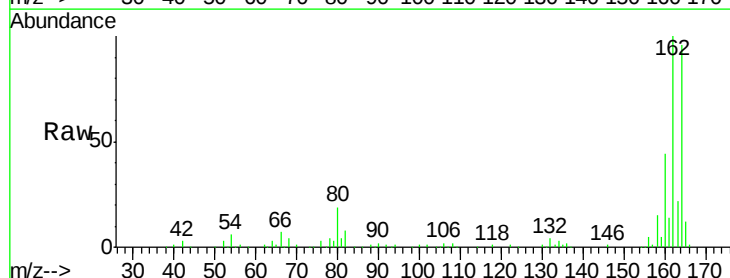
Instrument :
 BNA_F
 ClientSampled :
 IDOC-SOIL-04

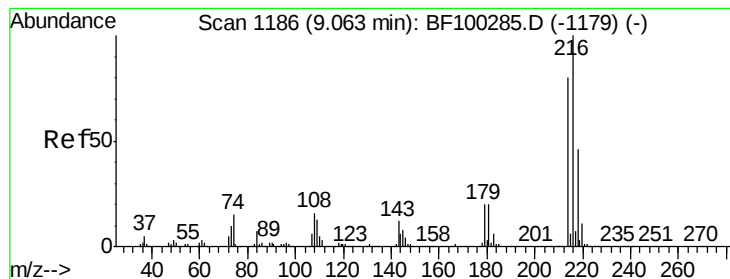
Tgt Ion:142 Resp: 417300
 Ion Ratio Lower Upper
 142 100
 141 88.3 70.8 106.2
 115 30.0 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:164 Resp: 160731
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 46.0 38.3 57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 36.78 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

Tgt Ion:216 Resp: 196042

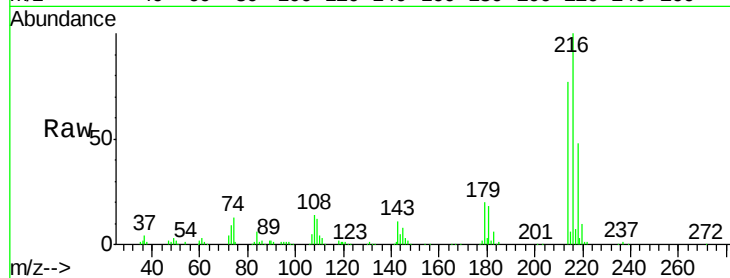
Ion Ratio Lower Upper

216 100

214 78.4 63.0 94.4

179 19.9 18.1 27.1

108 16.8 17.2 25.8#

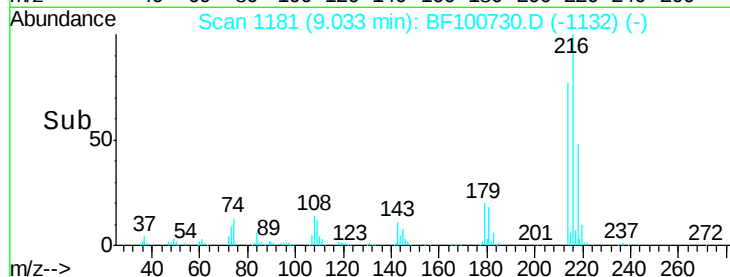


Abundance Ion 216.00 (215.70 to 216.70): E

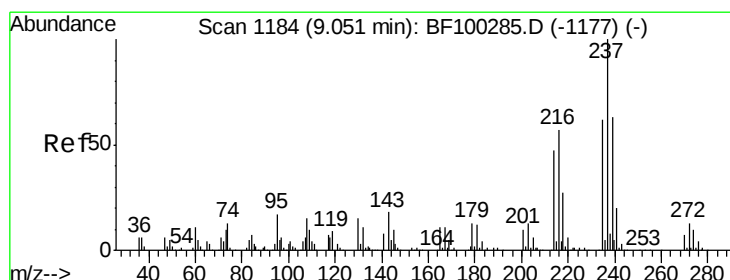
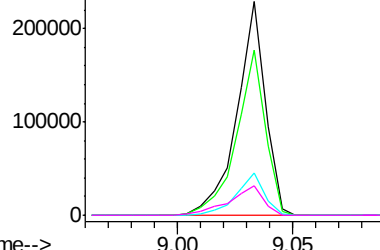
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



Time-->



#40

Hexachlorocyclopentadiene

Concen: 66.45 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

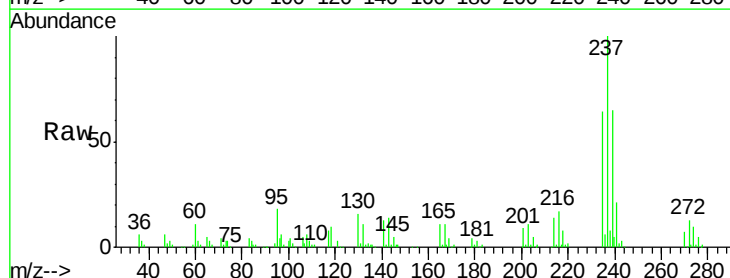
Tgt Ion:237 Resp: 166708

Ion Ratio Lower Upper

237 100

235 64.2 44.8 84.8

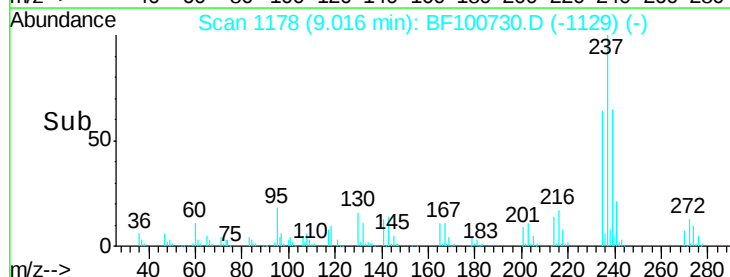
272 13.0 0.0 33.3



Abundance Ion 236.80 (236.50 to 237.50): E

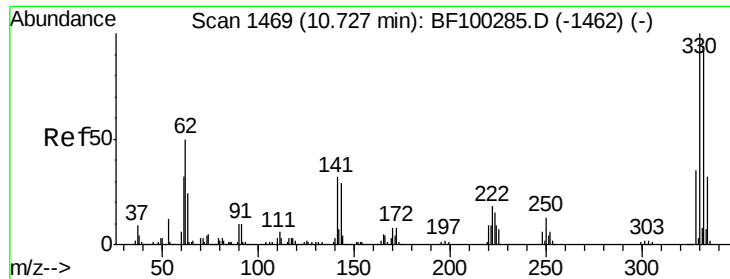
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



Time-->

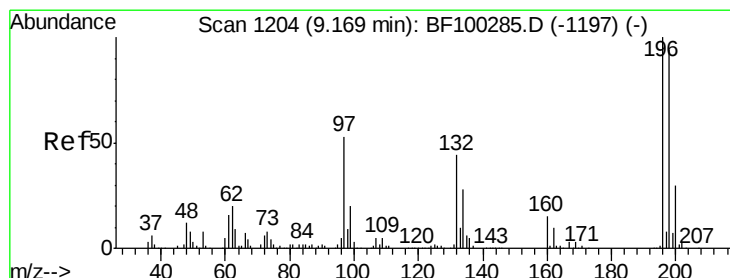
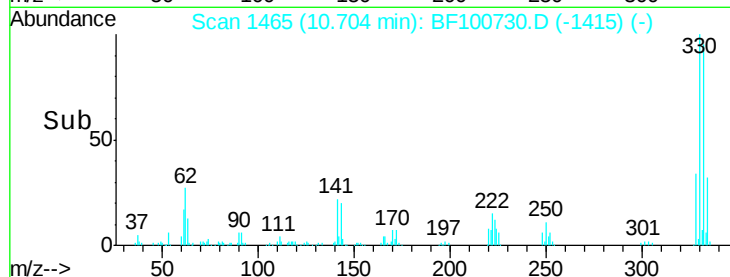
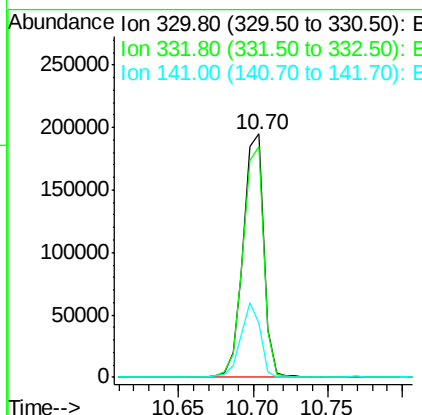
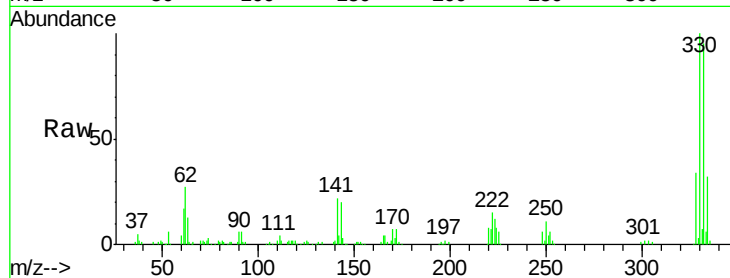




#41
 2,4,6-Tribromophenol
 Concen: 114.53 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

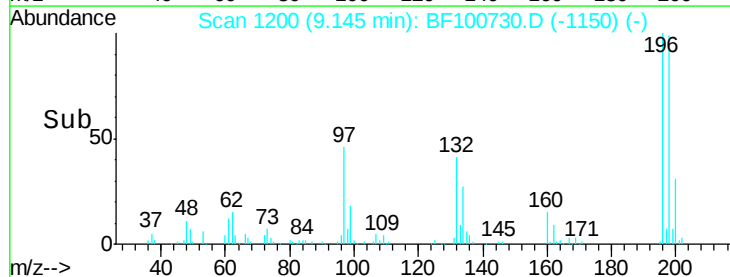
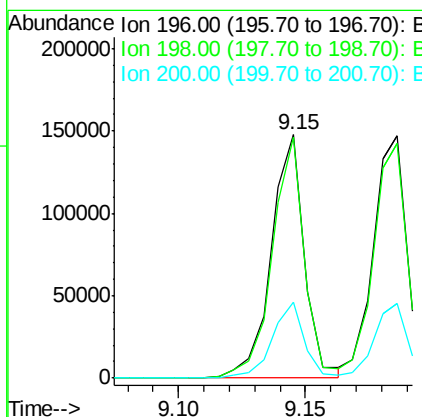
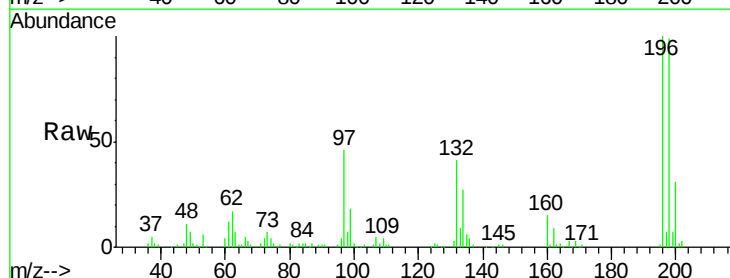
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

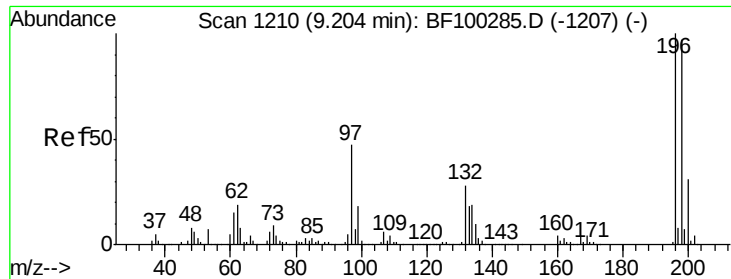
Tgt Ion:330 Resp: 187589
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 29.1 29.9 44.9#



#42
 2,4,6-Trichlorophenol
 Concen: 40.09 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:196 Resp: 135450
 Ion Ratio Lower Upper
 196 100
 198 99.1 75.7 113.5
 200 31.1 24.5 36.7

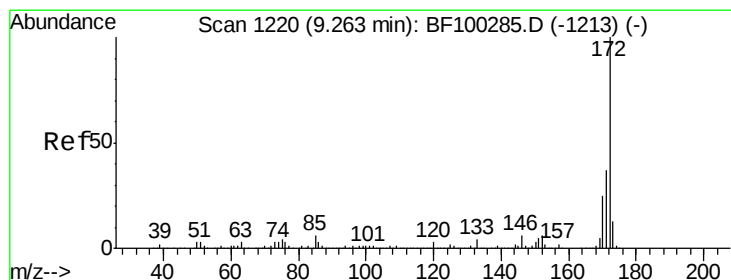
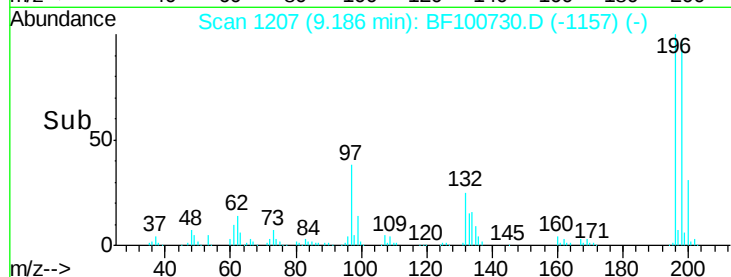
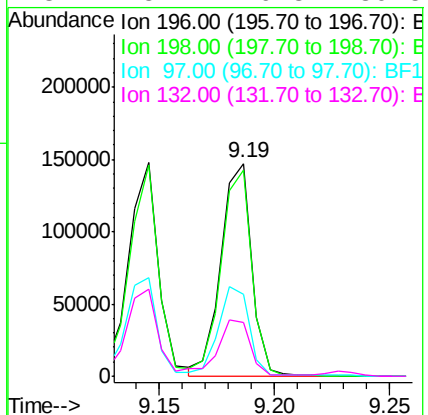
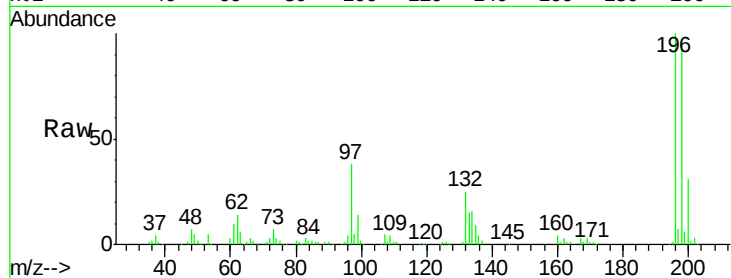




#43
 2,4,5-Trichlorophenol
 Concen: 38.94 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

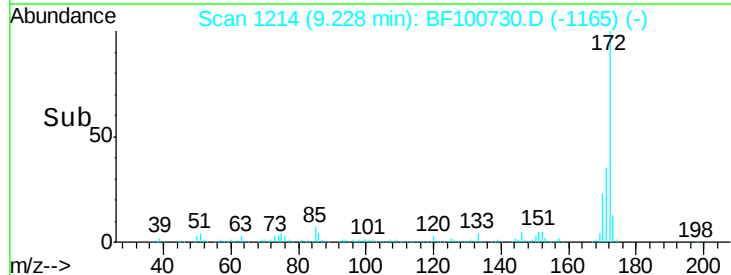
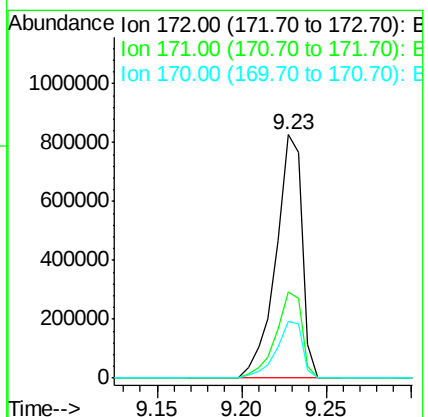
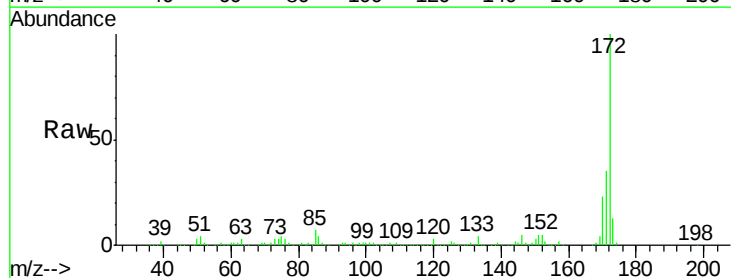
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

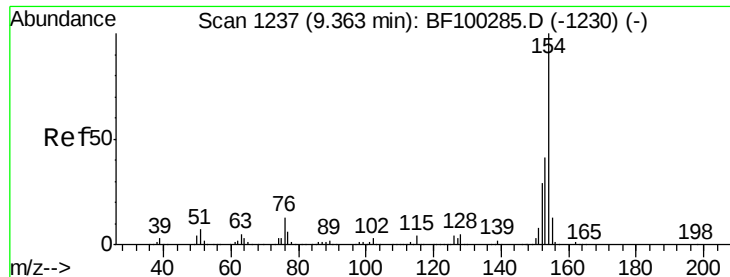
Tgt Ion:196 Resp: 136288
 Ion Ratio Lower Upper
 196 100
 198 96.7 74.6 112.0
 97 38.5 42.9 64.3#
 132 25.1 26.3 39.5#



#44
 2-Fluorobiphenyl
 Concen: 84.32 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:172 Resp: 890010
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.3 19.6 29.4

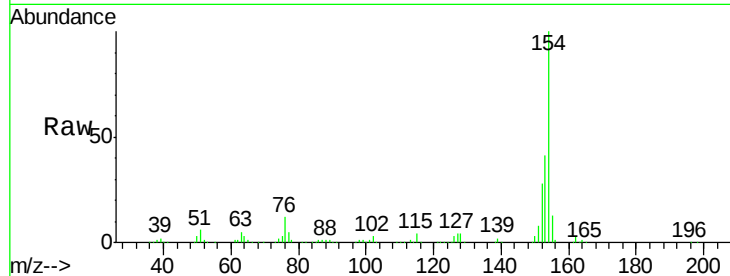




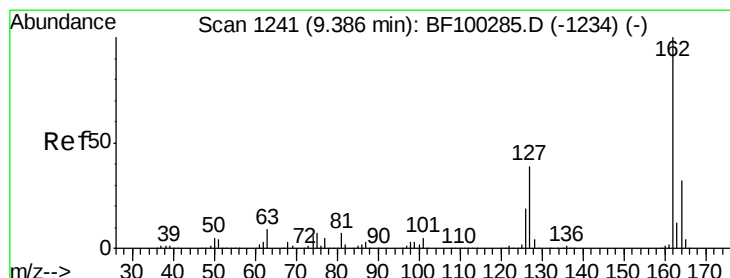
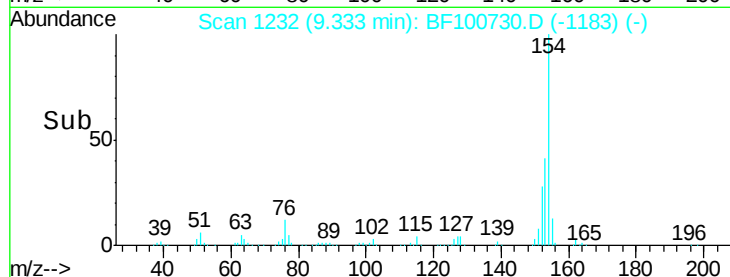
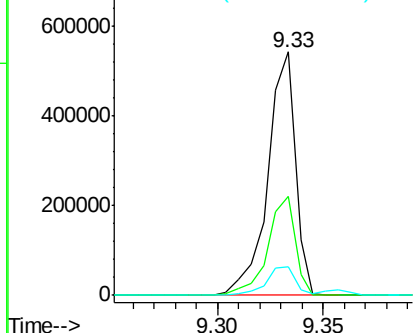
#45
 1,1'-Biphenyl
 Concen: 35.58 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

Tgt Ion:154 Resp: 494589
 Ion Ratio Lower Upper
 154 100
 153 40.7 21.3 61.3
 76 11.6 0.0 34.0

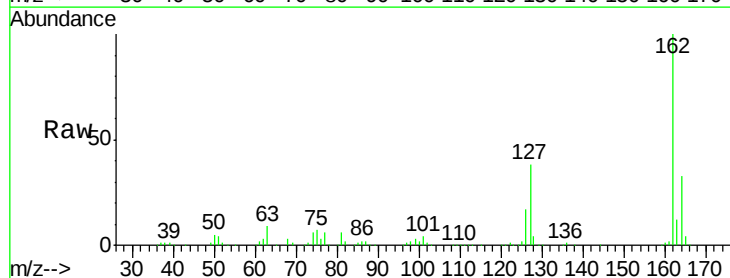


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

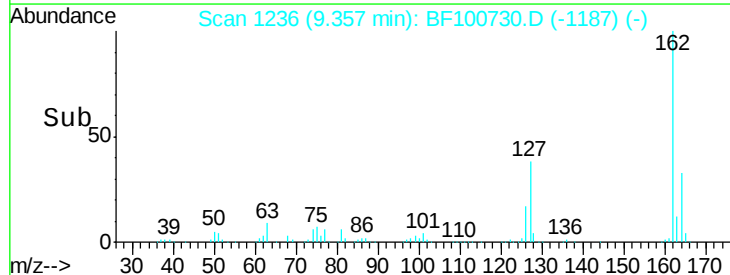
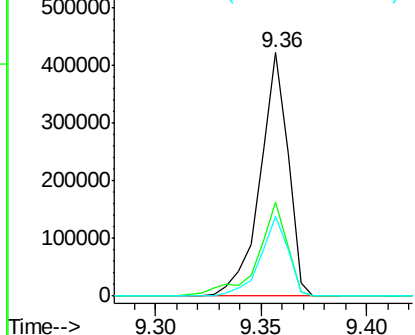


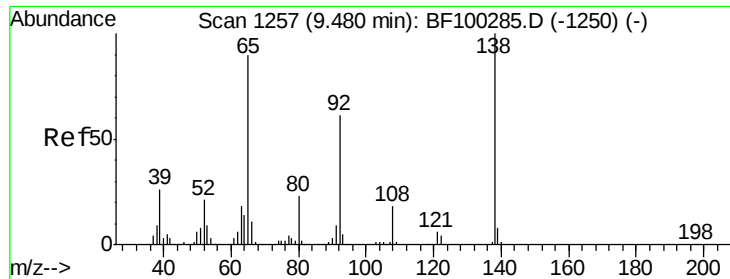
#46
 2-Chloronaphthalene
 Concen: 38.60 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:162 Resp: 389239
 Ion Ratio Lower Upper
 162 100
 127 38.3 33.9 50.9
 164 32.8 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: 37.78 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

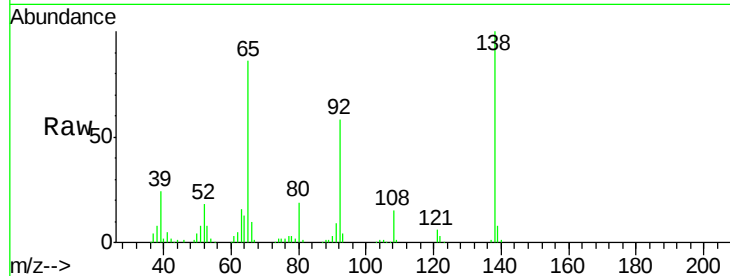
Tgt Ion: 65 Resp: 110693

Ion Ratio Lower Upper

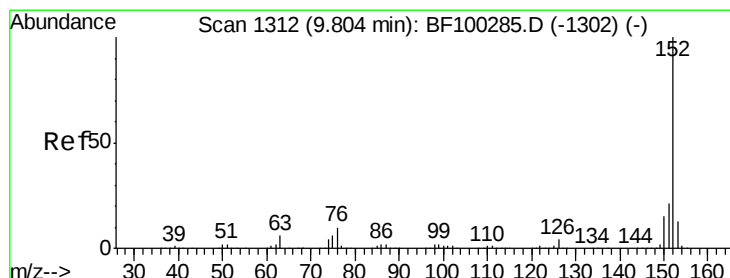
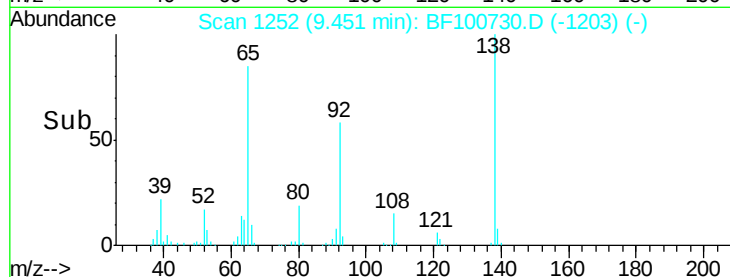
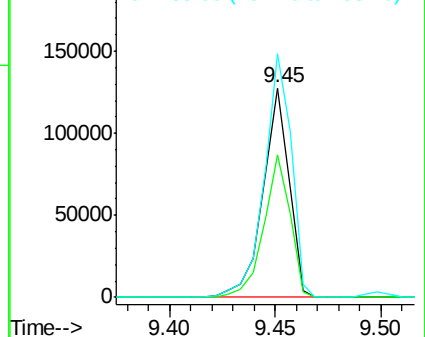
65 100

92 67.9 55.8 83.6

138 116.4 91.2 136.8



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



#48

Acenaphthylene

Concen: 35.23 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

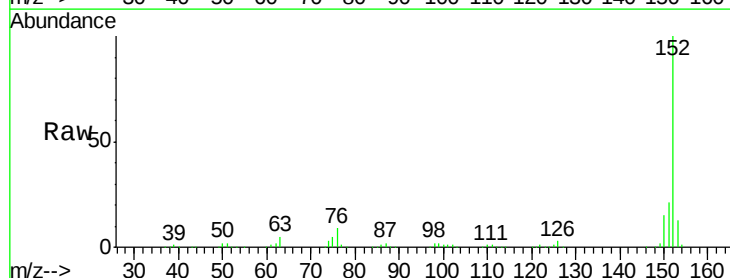
Tgt Ion: 152 Resp: 588823

Ion Ratio Lower Upper

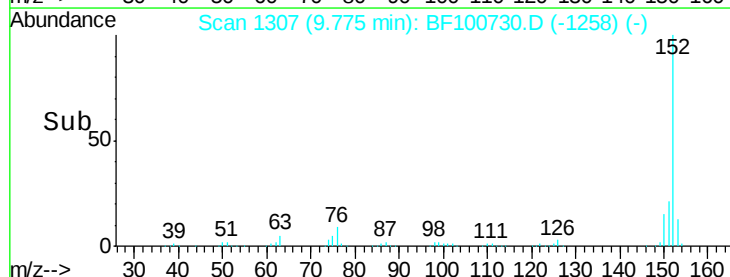
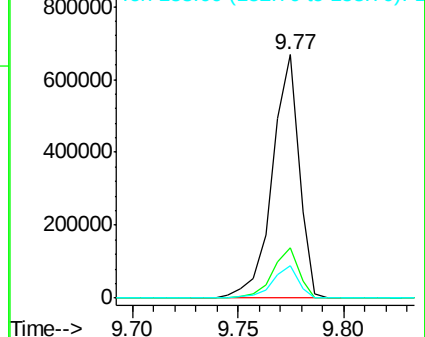
152 100

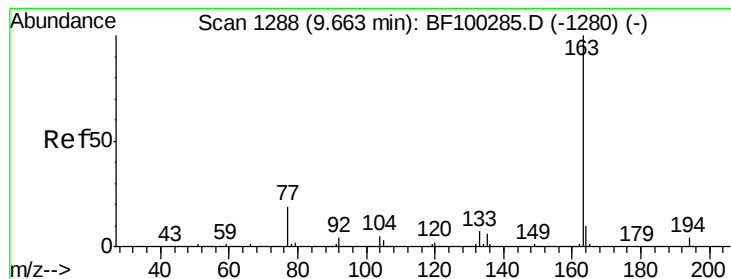
151 20.8 16.3 24.5

153 13.2 10.7 16.1



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





#49

Dimethylphthalate

Concen: 35.92 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

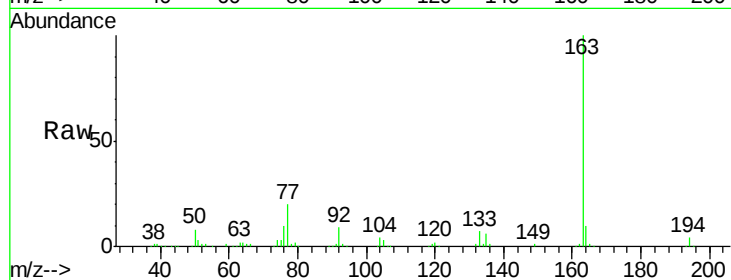
Tgt Ion:163 Resp: 440806

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

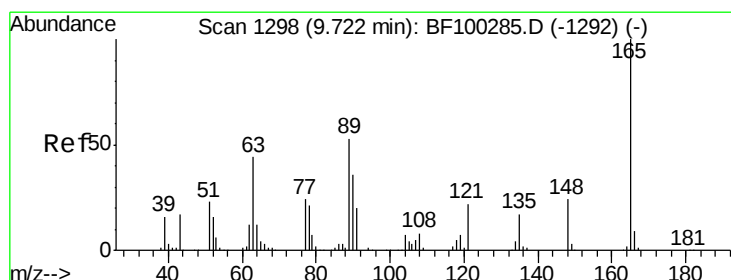
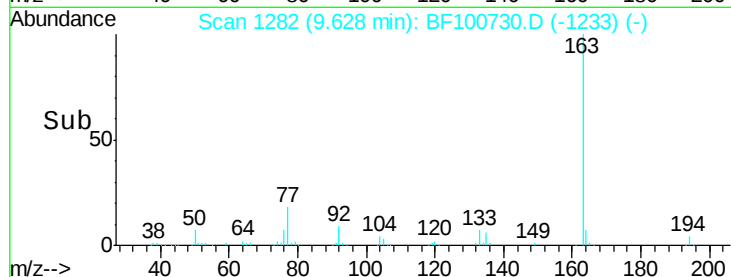
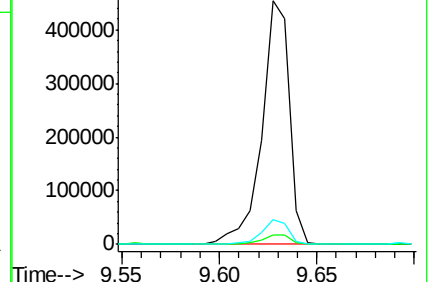
164 10.3 8.2 12.2



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: 41.05 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

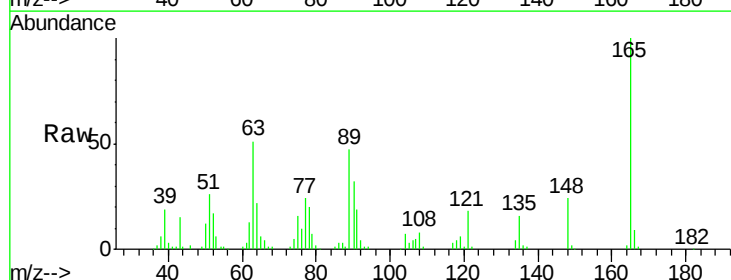
Tgt Ion:165 Resp: 99711

Ion Ratio Lower Upper

165 100

63 50.7 44.7 67.1

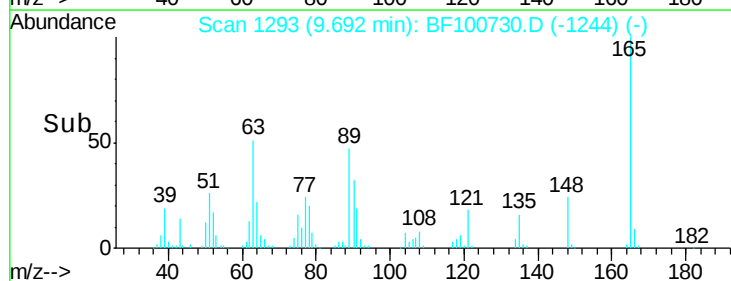
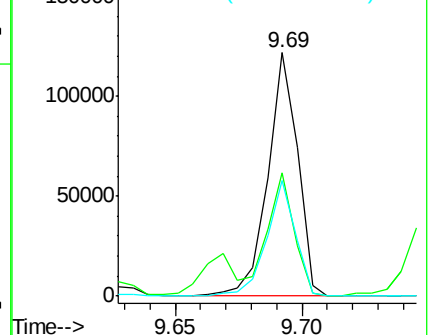
89 47.4 44.0 66.0

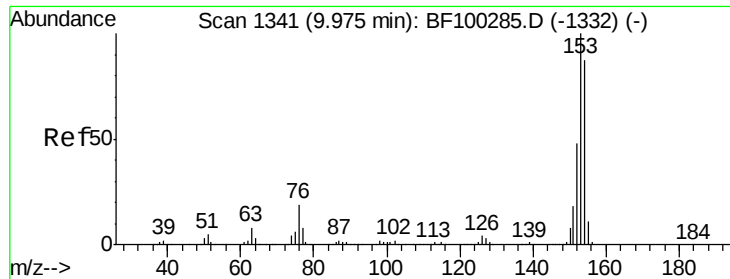


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 35.68 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

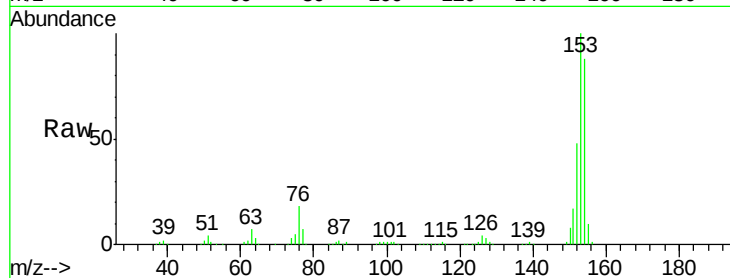
Tgt Ion:154 Resp: 362637

Ion Ratio Lower Upper

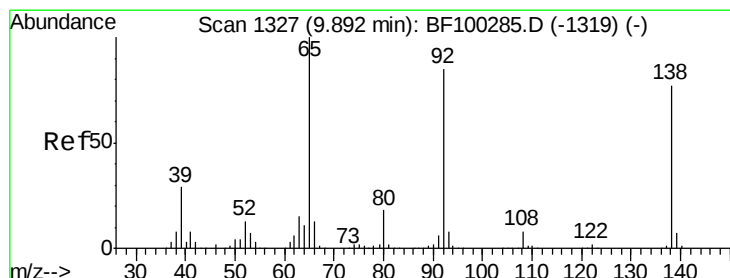
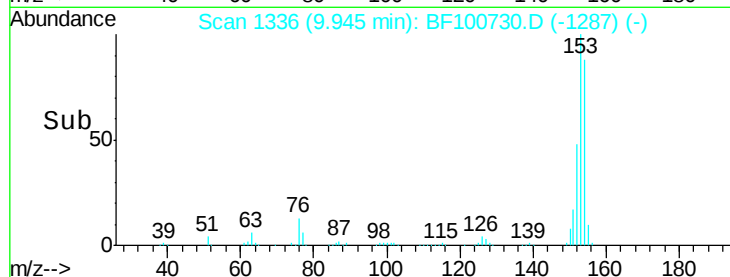
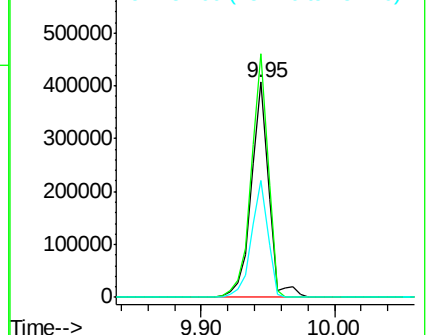
154 100

153 113.2 91.2 136.8

152 54.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 17.94 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.02 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

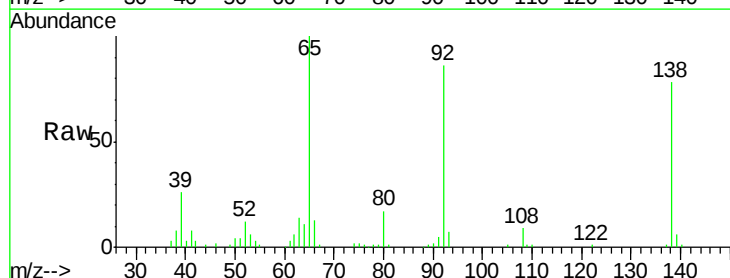
Tgt Ion:138 Resp: 51464

Ion Ratio Lower Upper

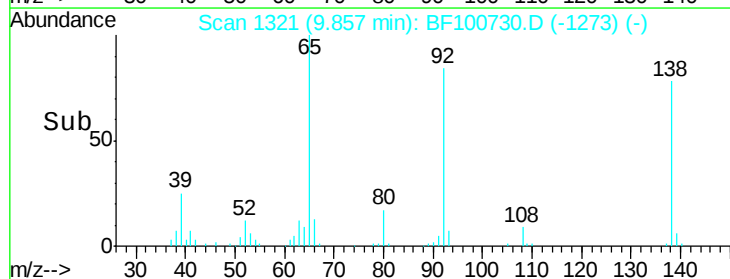
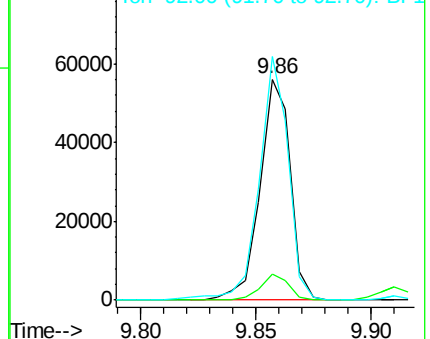
138 100

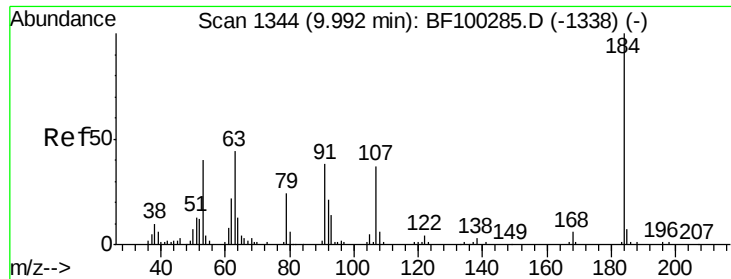
108 11.5 9.4 14.0

92 110.2 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

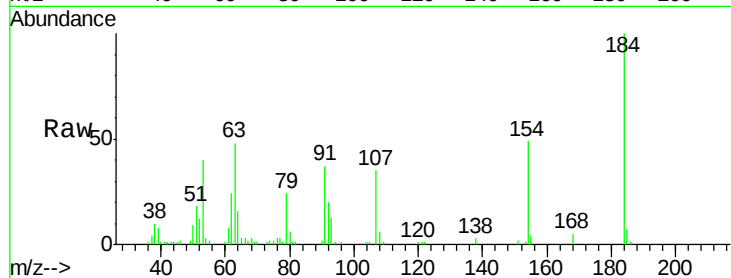




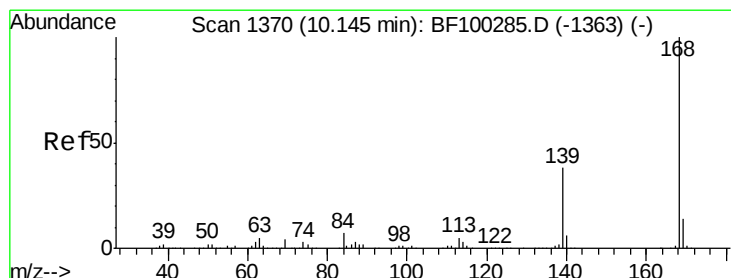
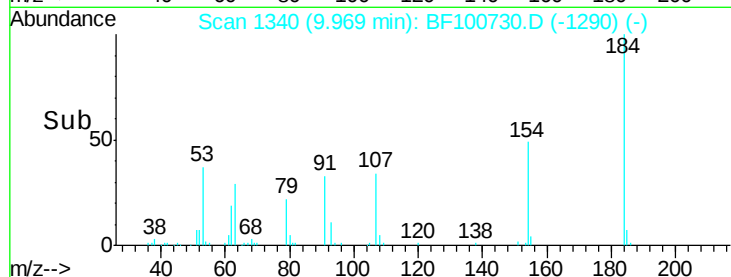
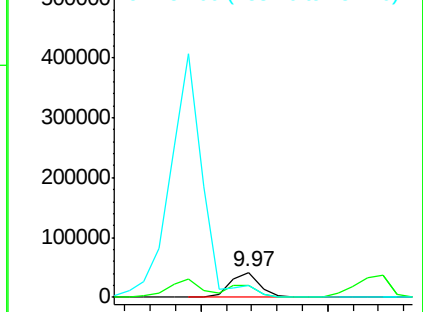
#53
2,4-Dinitrophenol
Concen: 43.10 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

Tgt Ion:184 Resp: 34089
Ion Ratio Lower Upper
184 100
63 48.5 54.2 81.2#
154 48.6 184.0 276.0#

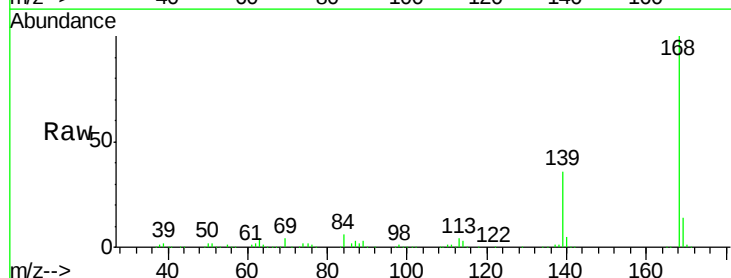


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

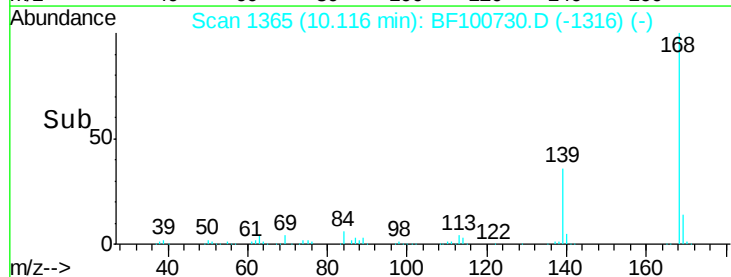
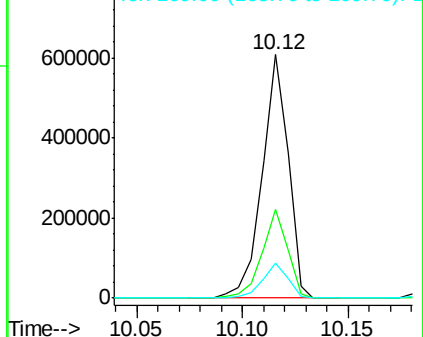


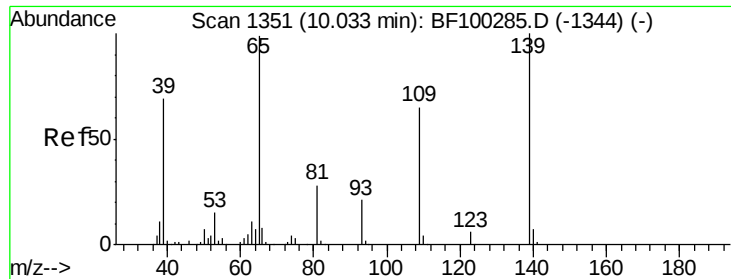
#54
Dibenzofuran
Concen: 36.73 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion:168 Resp: 523251
Ion Ratio Lower Upper
168 100
139 36.2 30.1 45.1
169 14.2 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

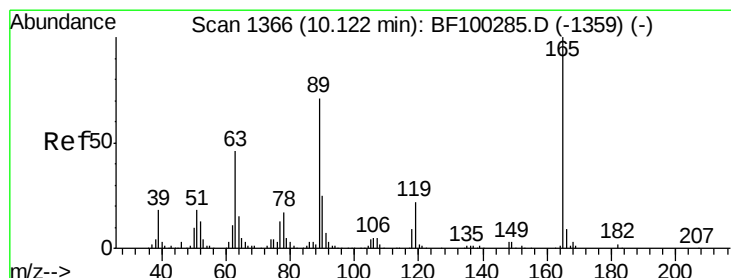
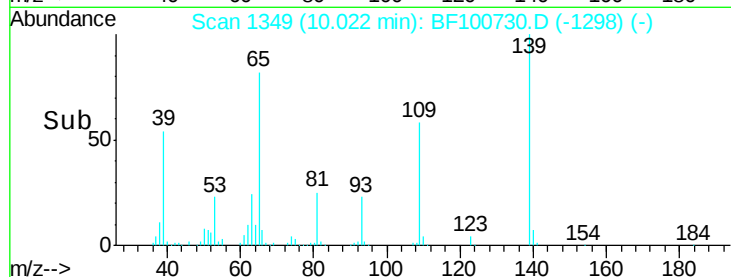
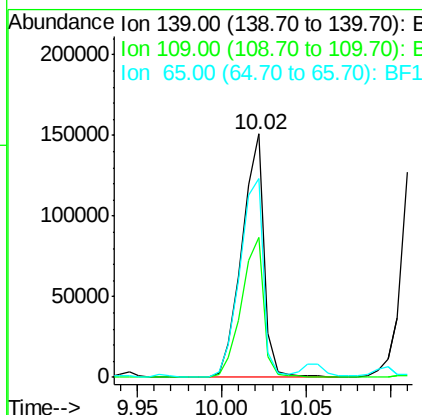
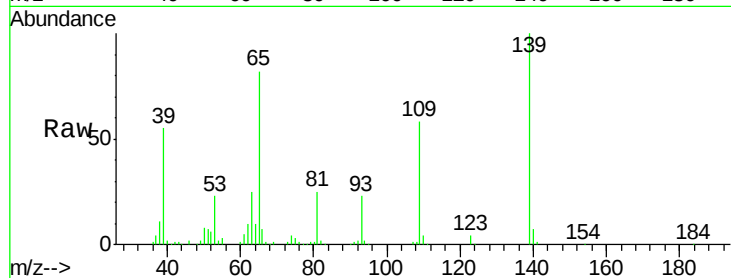




#55
4-Nitrophenol
Concen: 59.50 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

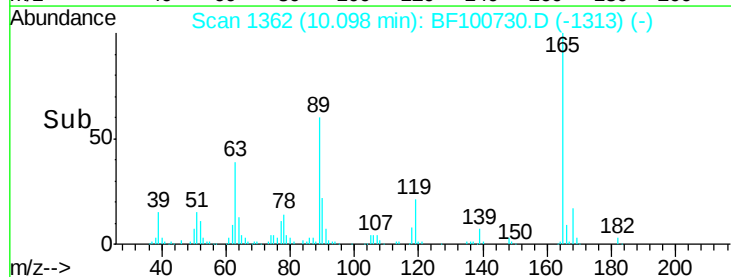
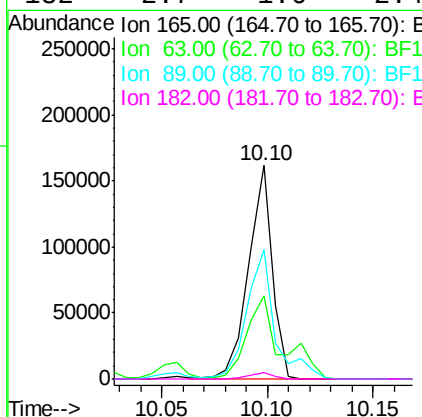
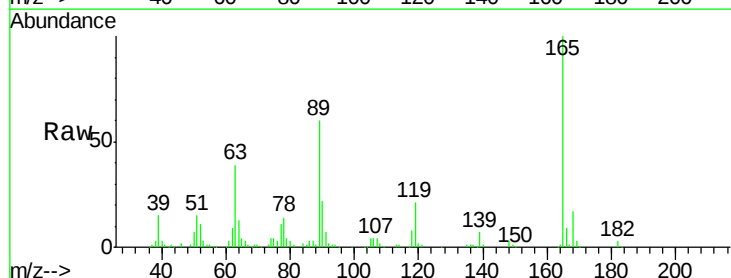
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

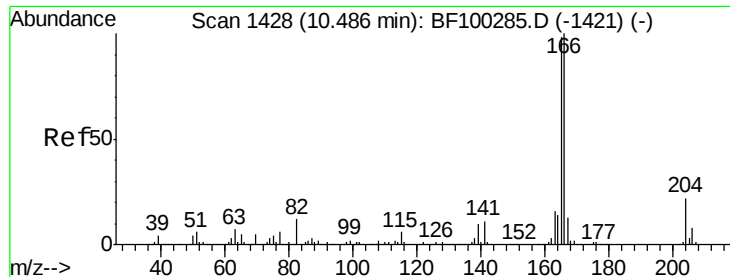
Tgt Ion:139 Resp: 138583
Ion Ratio Lower Upper
139 100
109 57.6 48.4 88.4
65 81.6 72.6 112.6



#56
2,4-Dinitrotoluene
Concen: 41.47 ng
RT: 10.10 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion:165 Resp: 127088
Ion Ratio Lower Upper
165 100
63 38.7 36.4 54.6
89 60.4 57.8 86.6
182 2.7 1.6 2.4#

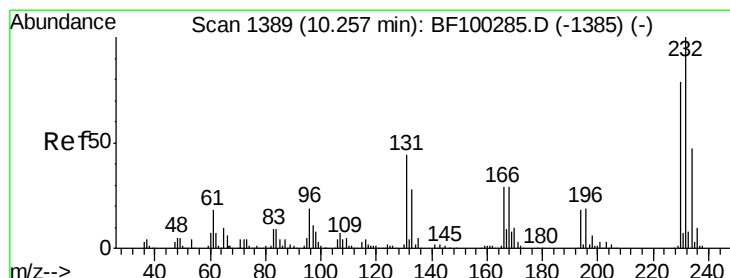
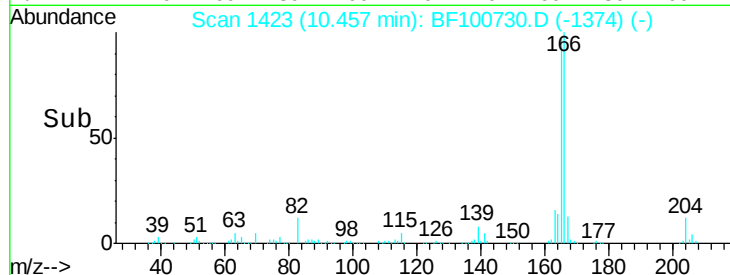
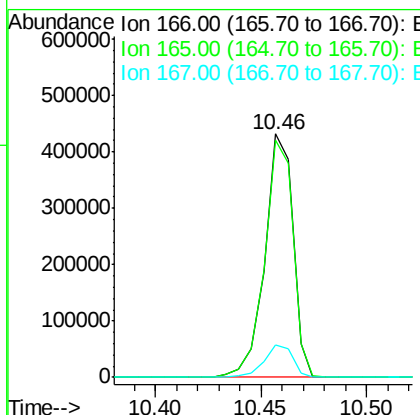
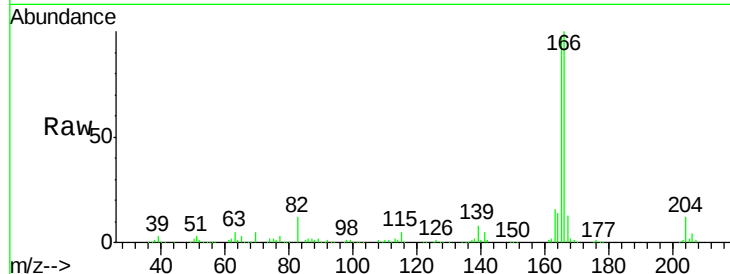




#57
 Fluorene
 Concen: 38.53 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

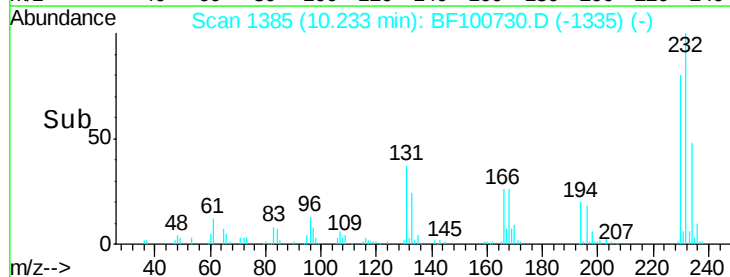
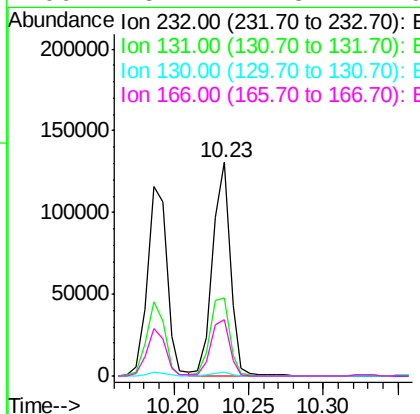
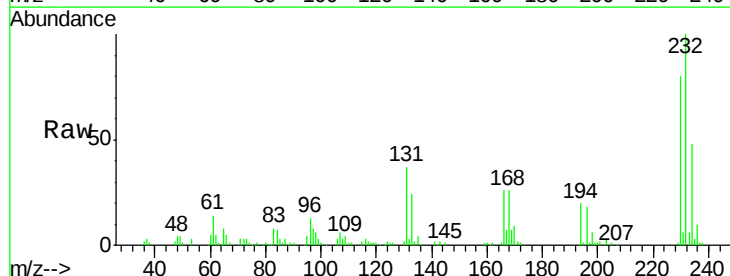
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

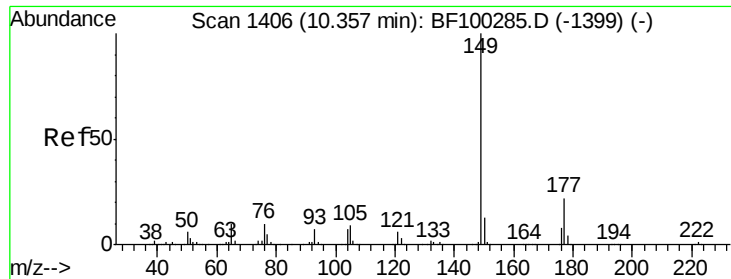
Tgt Ion:166 Resp: 402128
 Ion Ratio Lower Upper
 166 100
 165 97.3 79.8 119.8
 167 13.2 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 37.97 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:232 Resp: 108938
 Ion Ratio Lower Upper
 232 100
 131 40.5 43.8 65.8#
 130 1.8 2.1 3.1#
 166 28.2 27.8 41.6

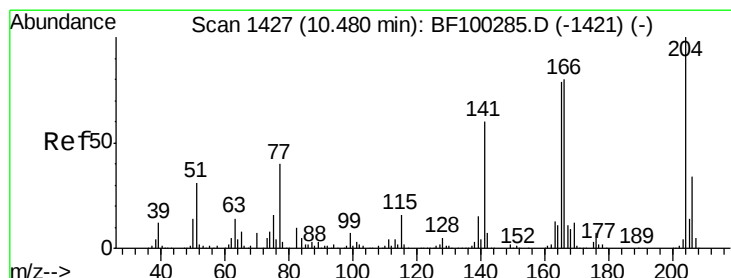
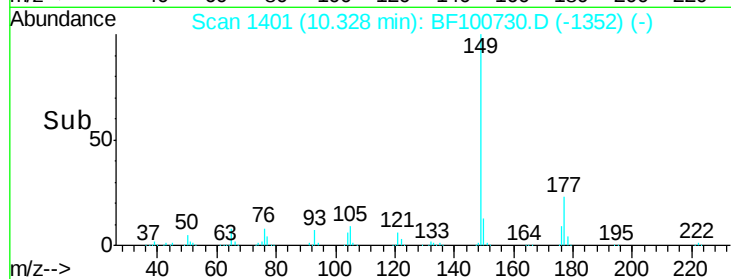
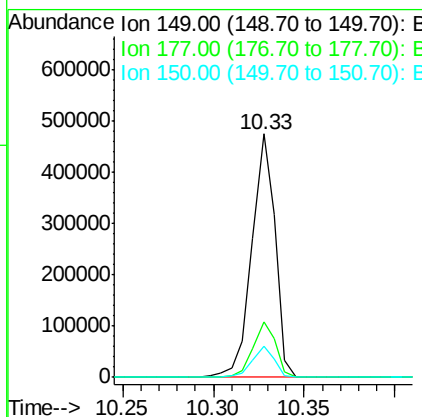
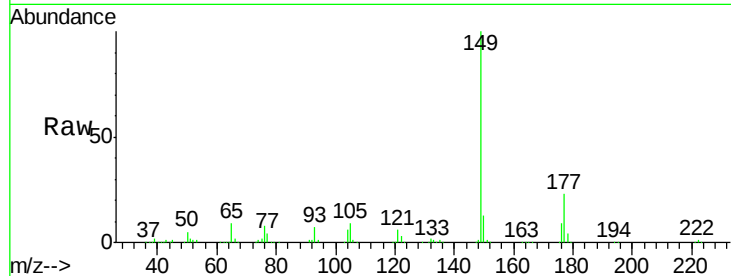




#59
Diethylphthalate
Concen: 34.33 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

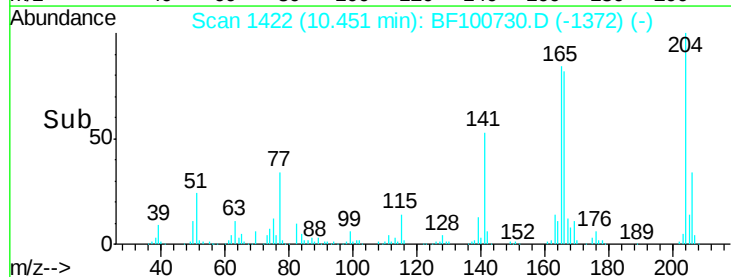
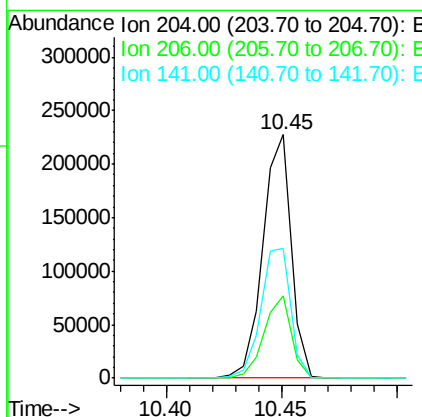
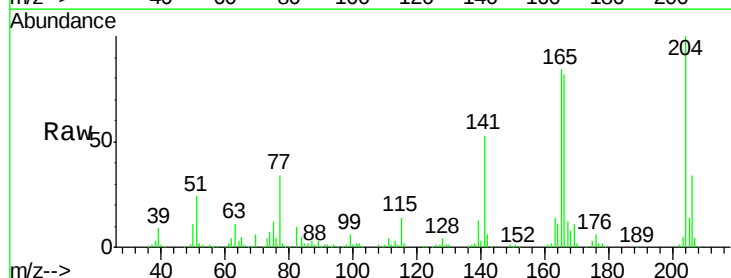
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

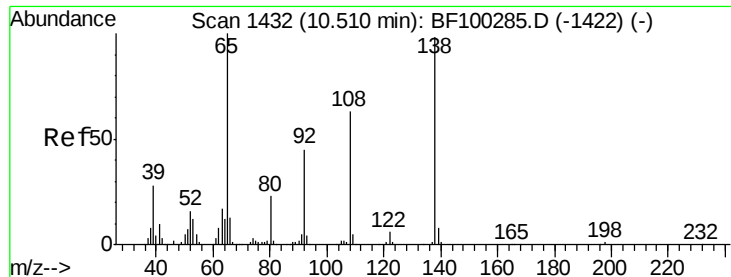
Tgt Ion:149 Resp: 421557
Ion Ratio Lower Upper
149 100
177 22.6 16.1 24.1
150 12.6 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 38.17 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion:204 Resp: 195447
Ion Ratio Lower Upper
204 100
206 33.6 26.5 39.7
141 53.3 54.6 81.8#

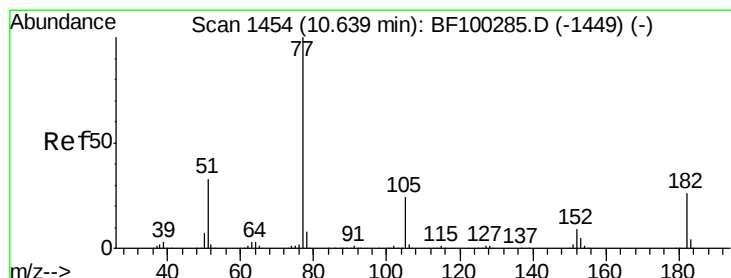
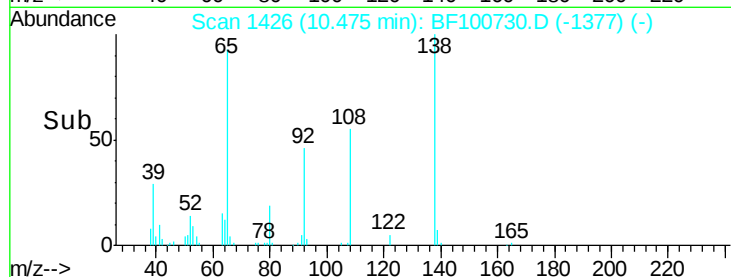
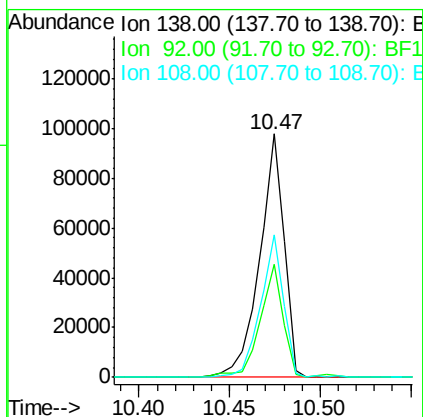
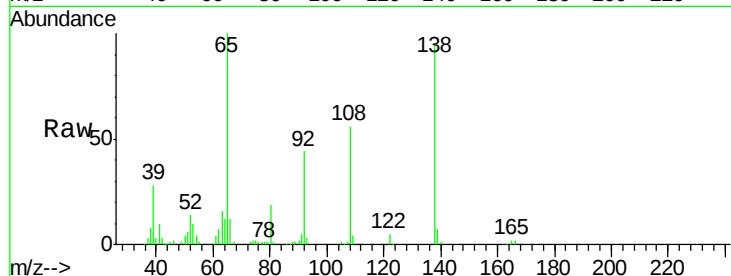




#61
4-Nitroaniline
Concen: 33.87 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

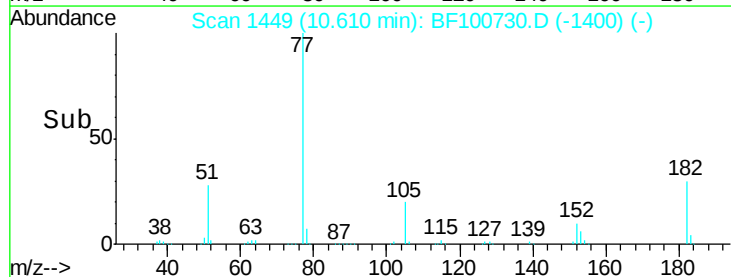
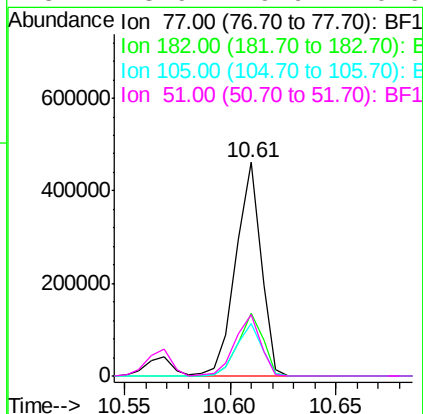
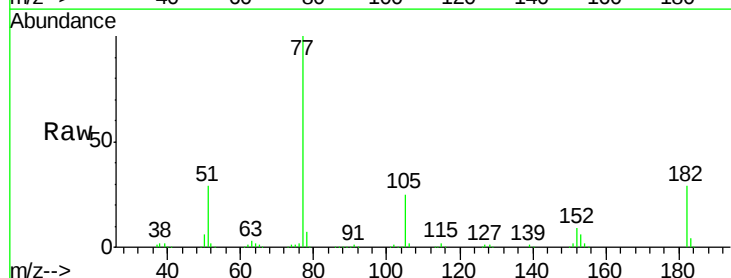
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

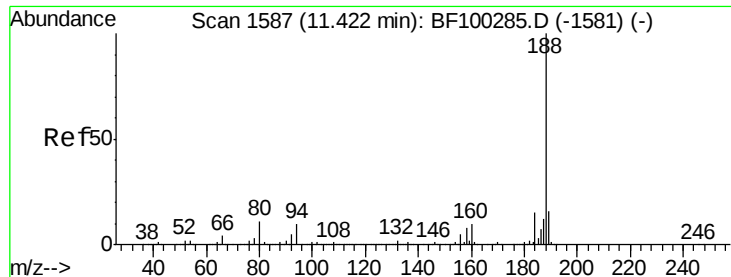
Tgt Ion:138 Resp: 92118
Ion Ratio Lower Upper
138 100
92 46.4 30.2 70.2
108 58.4 52.5 92.5



#62
Azobenzene
Concen: 32.86 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion: 77 Resp: 380040
Ion Ratio Lower Upper
77 100
182 29.1 1.7 41.7
105 24.7 3.0 43.0
51 28.9 9.9 49.9

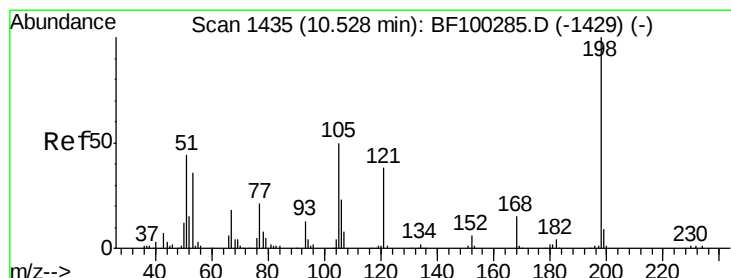
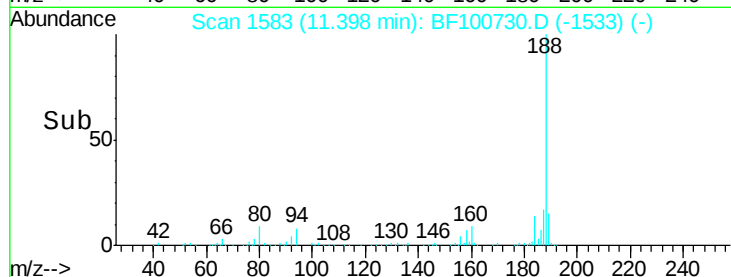
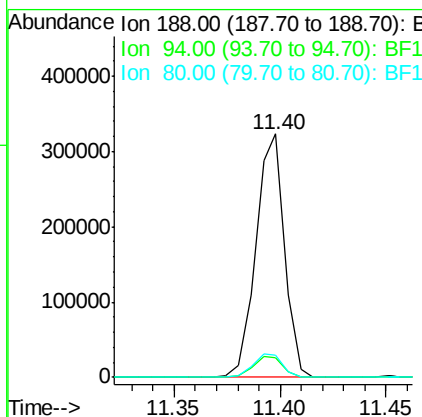
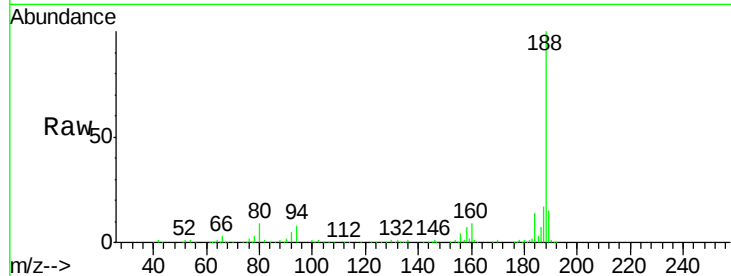




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

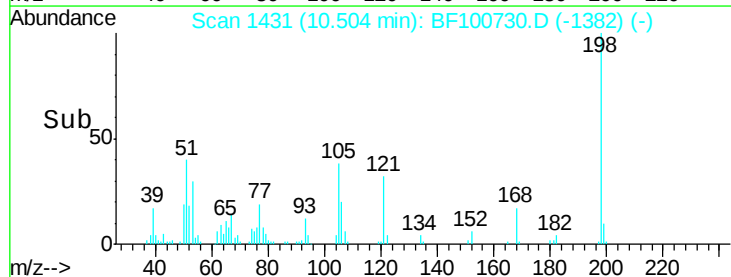
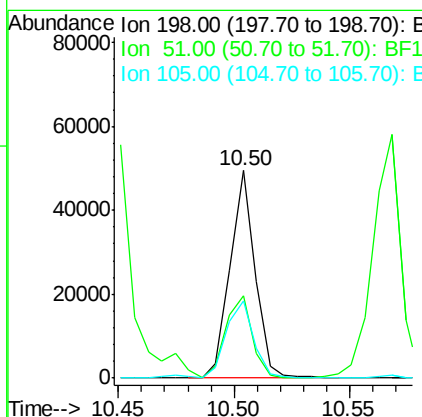
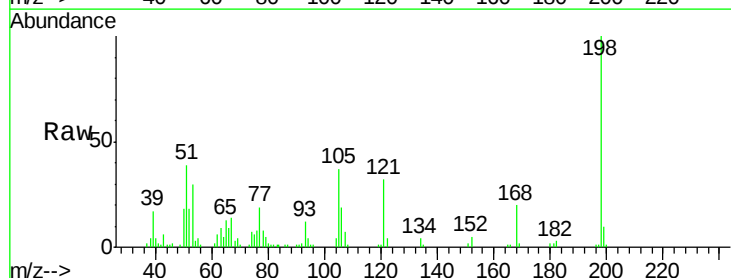
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

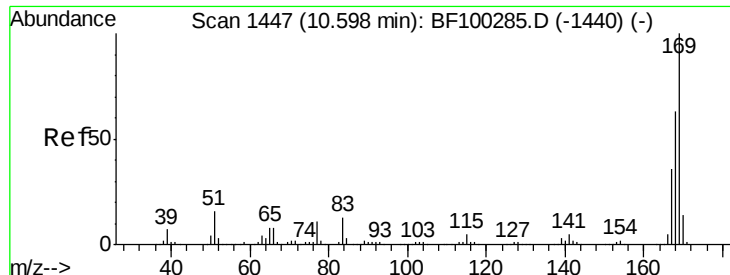
Tgt Ion:188 Resp: 304067
Ion Ratio Lower Upper
188 100
94 8.2 8.5 12.7#
80 9.0 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 28.62 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion:198 Resp: 37474
Ion Ratio Lower Upper
198 100
51 39.4 37.7 77.7
105 37.4 36.3 76.3

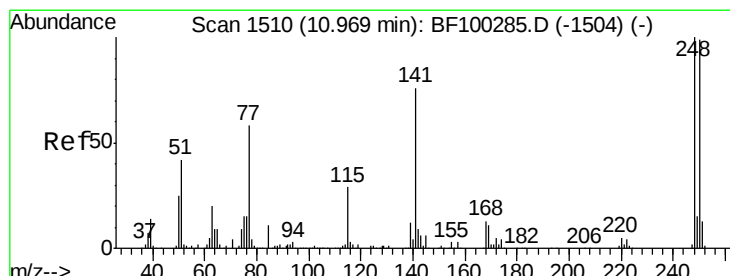
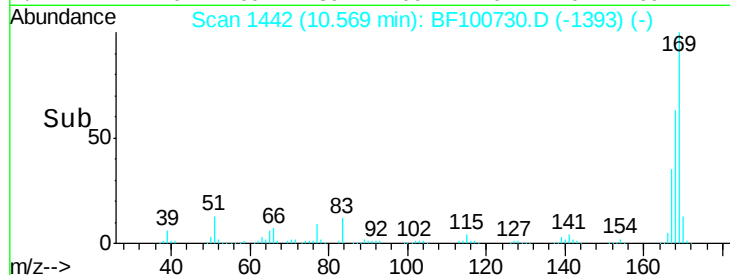
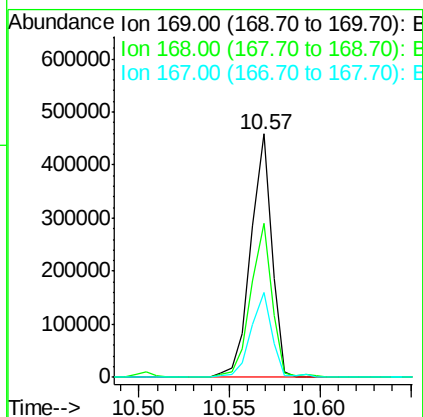
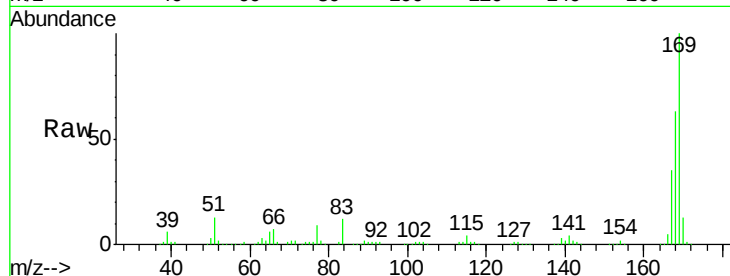




#65
n-Nitrosodiphenylamine
Concen: 35.16 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

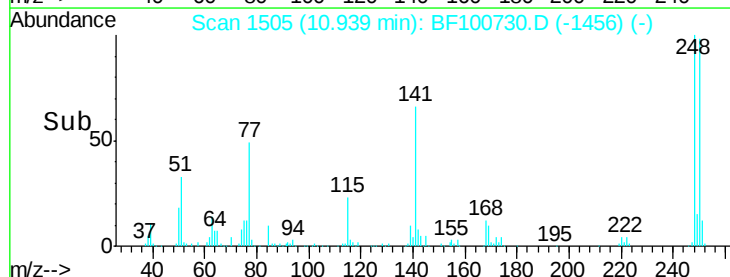
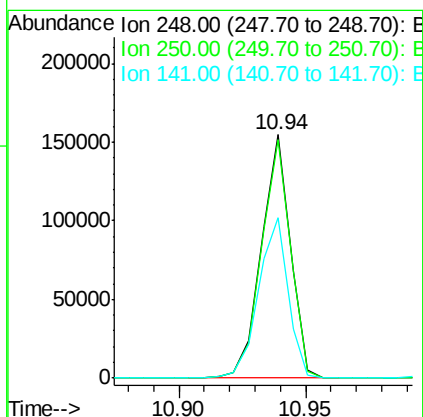
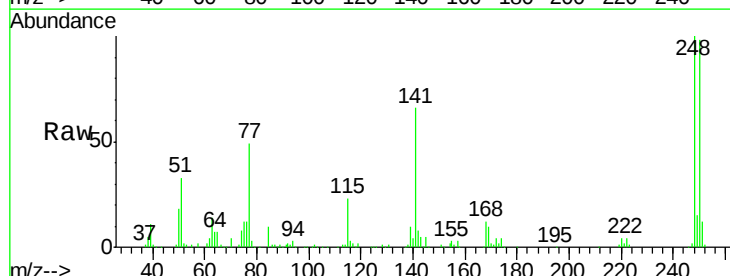
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

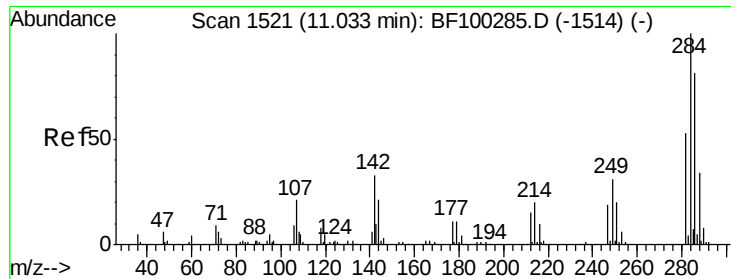
Tgt Ion:169 Resp: 371736
Ion Ratio Lower Upper
169 100
168 63.5 54.4 81.6
167 34.8 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 38.09 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion:248 Resp: 124166
Ion Ratio Lower Upper
248 100
250 97.9 76.9 115.3
141 65.9 74.4 111.6#

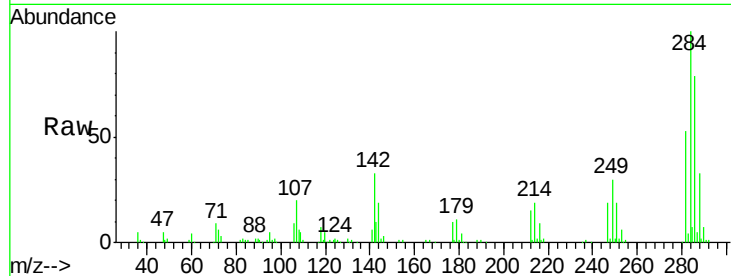




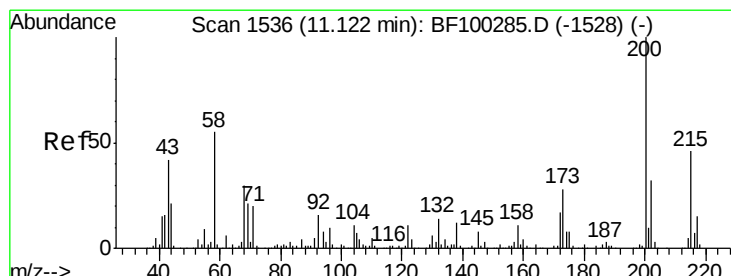
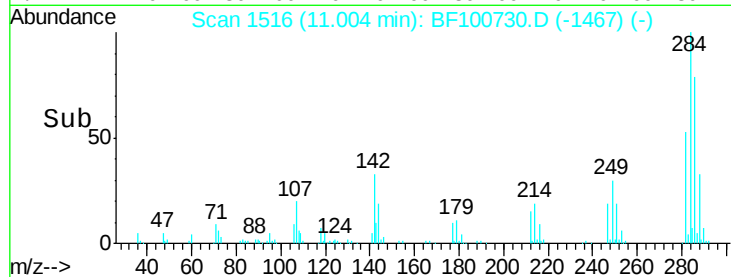
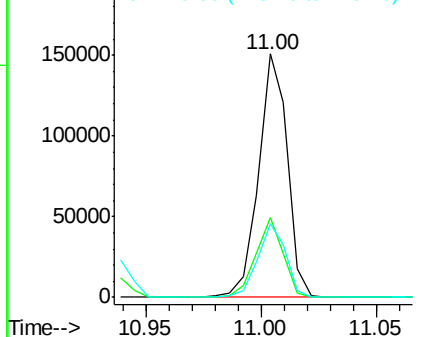
#67
Hexachlorobenzene
Concen: 38.26 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

Tgt Ion: 284 Resp: 130430
Ion Ratio Lower Upper
284 100
142 32.7 34.6 52.0#
249 30.2 24.8 37.2

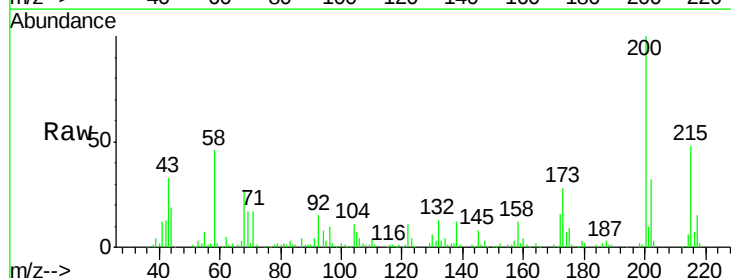


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

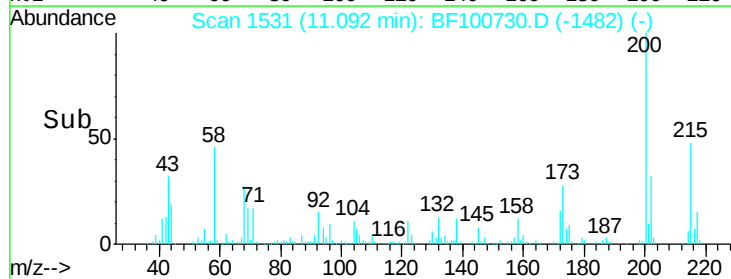
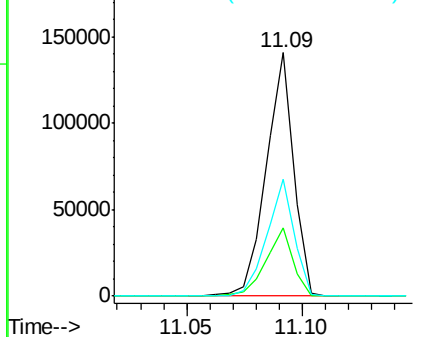


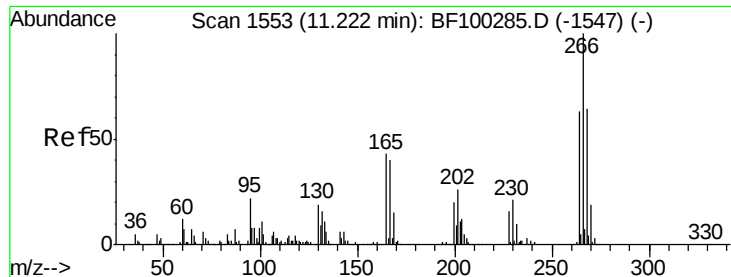
#68
Atrazine
Concen: 36.26 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion: 200 Resp: 116046
Ion Ratio Lower Upper
200 100
173 27.9 8.6 48.6
215 48.3 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

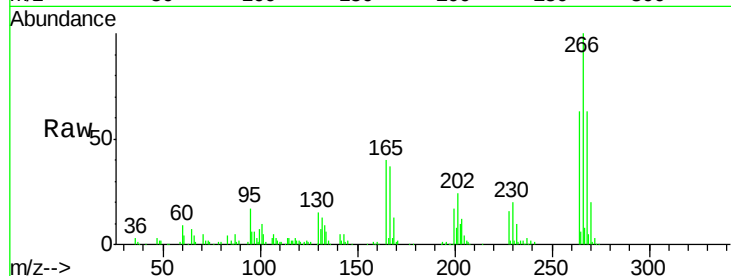




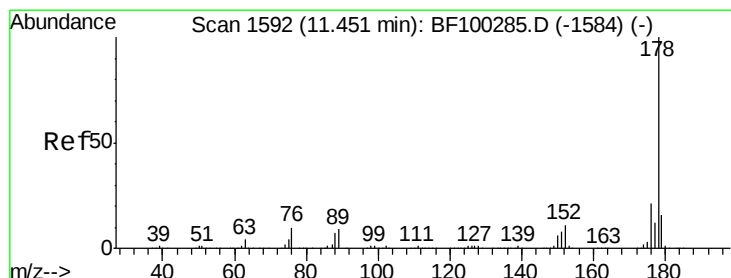
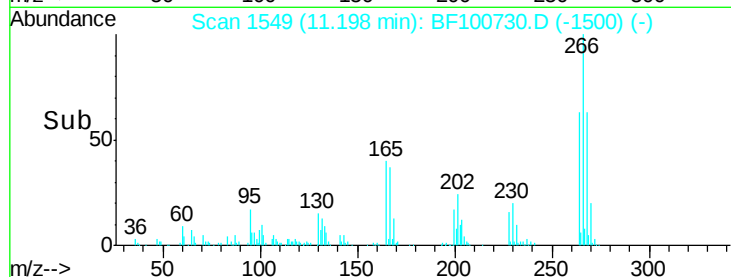
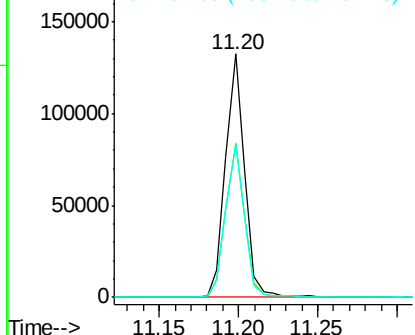
#69
 Pentachlorophenol
 Concen: 45.26 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

Tgt Ion:266 Resp: 110637
 Ion Ratio Lower Upper
 266 100
 268 63.4 51.1 76.7
 264 62.8 49.5 74.3

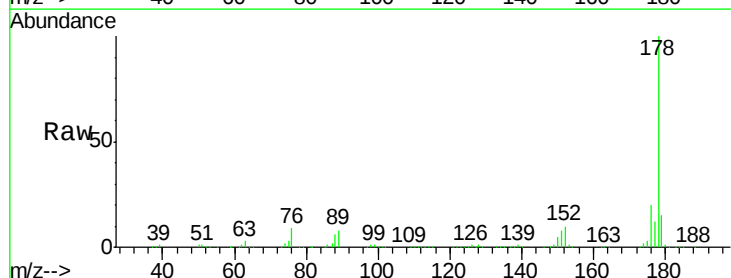


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

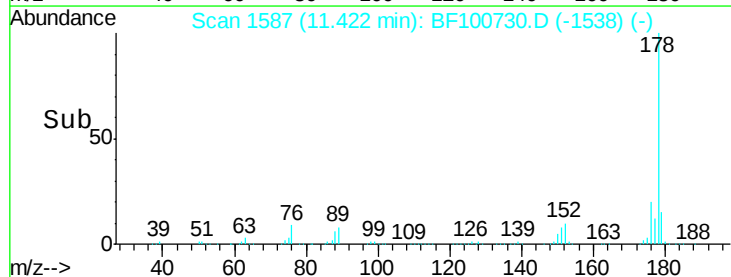
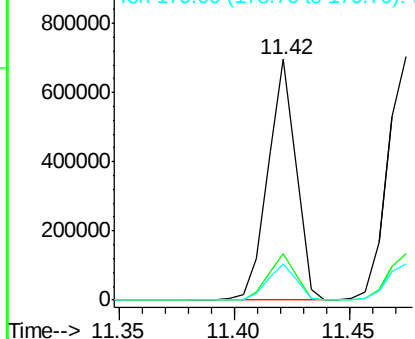


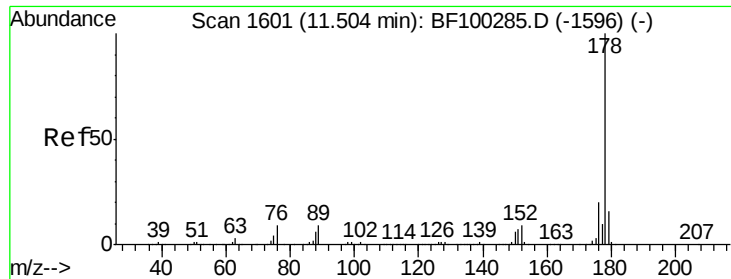
#70
 Phenanthrene
 Concen: 36.65 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:178 Resp: 586738
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 15.2 13.0 19.6



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

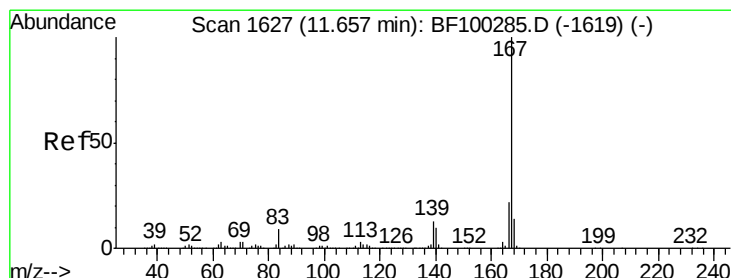
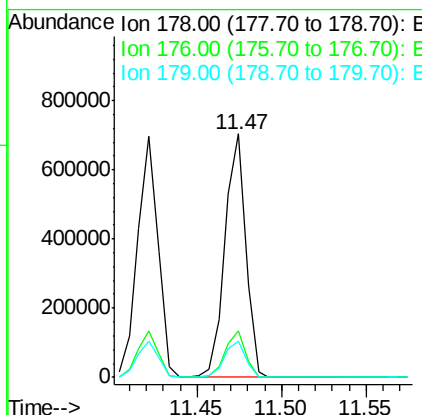
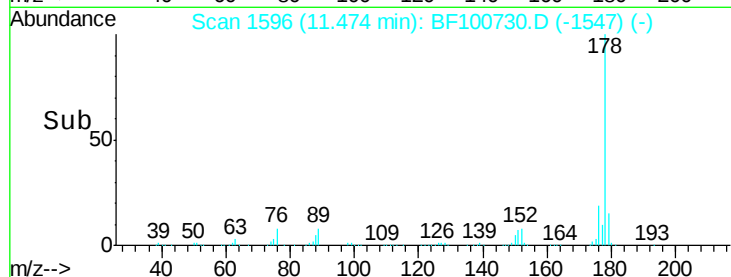
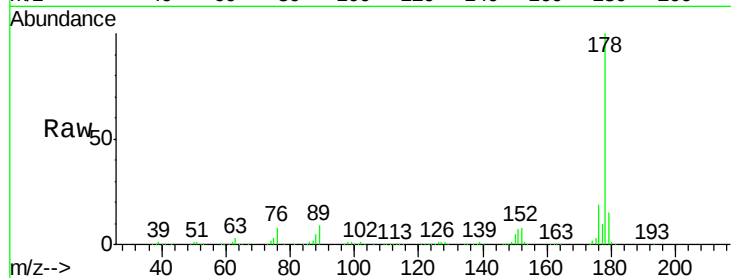




#71
 Anthracene
 Concen: 37.23 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

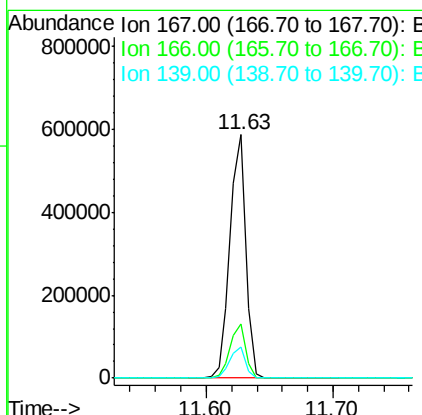
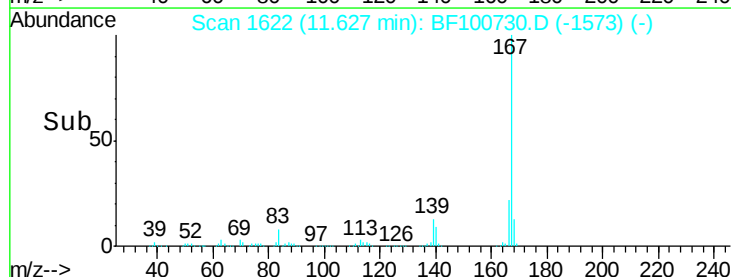
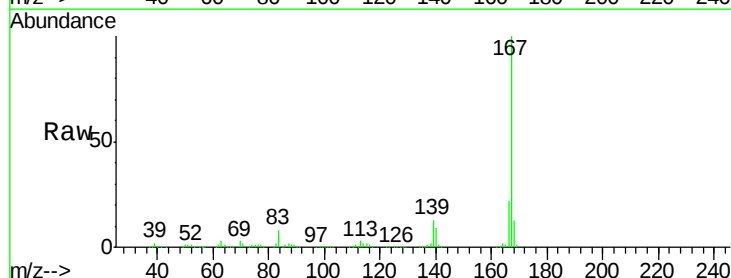
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

Tgt Ion:178 Resp: 604773
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.1 12.6 19.0



#72
 Carbazole
 Concen: 33.91 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:167 Resp: 508164
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 12.7 10.9 16.3





#73

Di-n-butylphthalate

Concen: 36.41 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

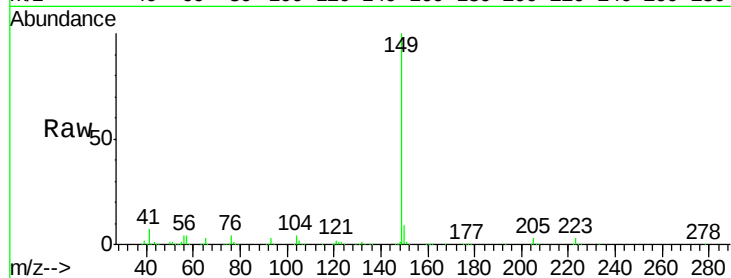
Tgt Ion:149 Resp: 638586

Ion Ratio Lower Upper

149 100

150 9.4 7.8 11.6

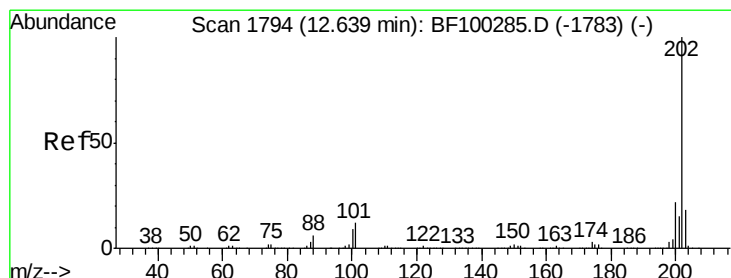
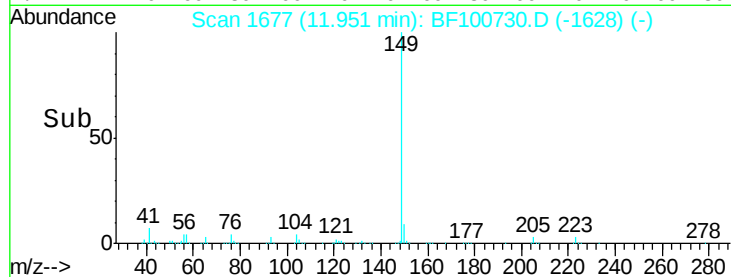
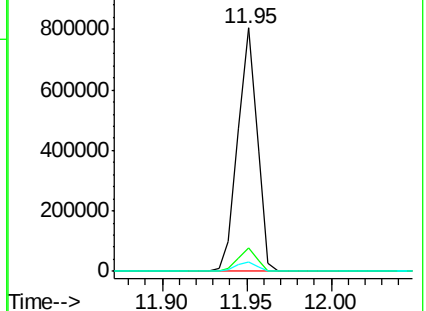
104 4.0 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 33.30 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

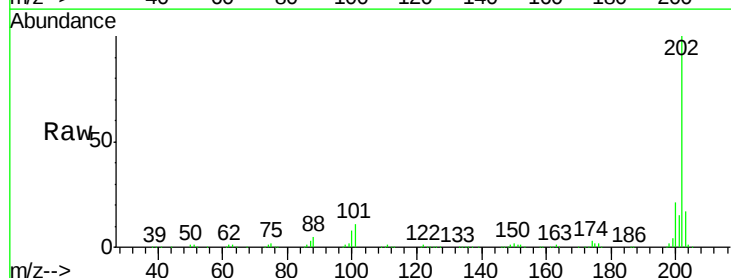
Tgt Ion:202 Resp: 564958

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

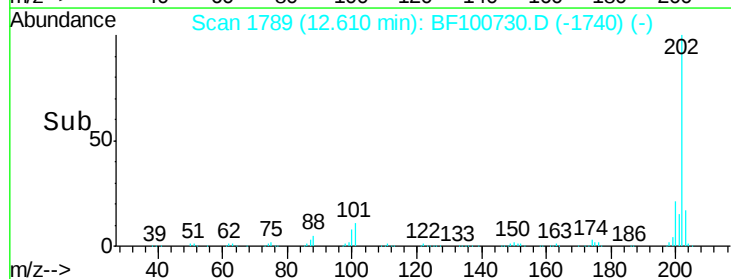
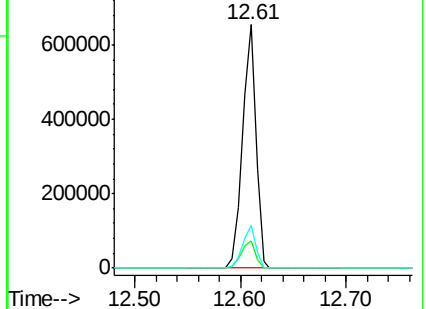
203 17.3 0.0 38.1

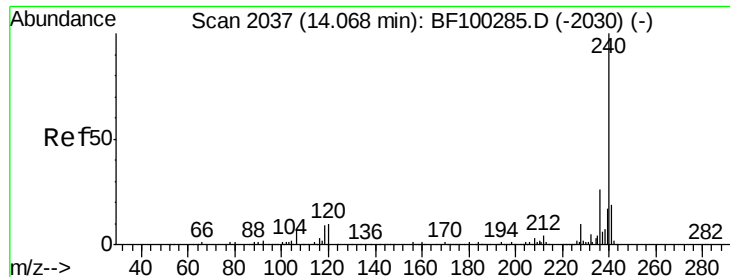


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

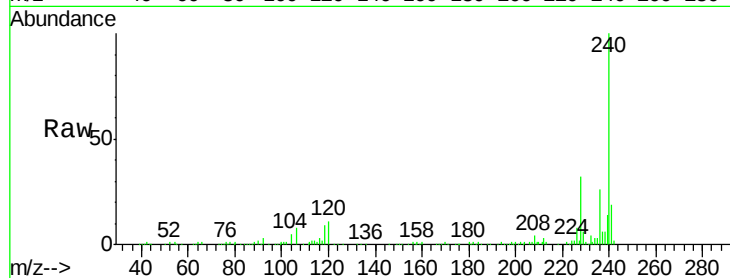
Tgt Ion:240 Resp: 163482

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

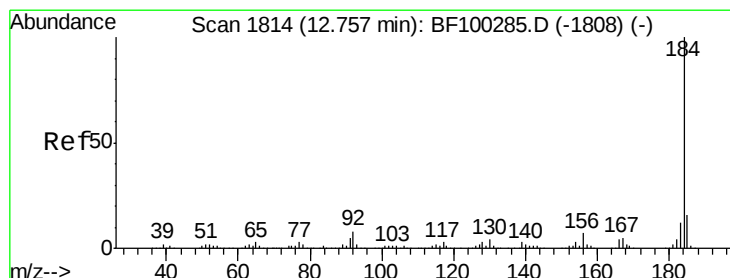
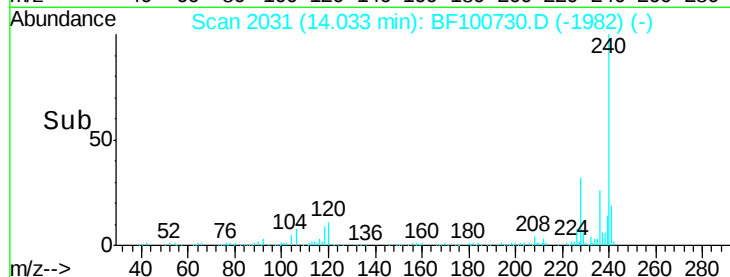
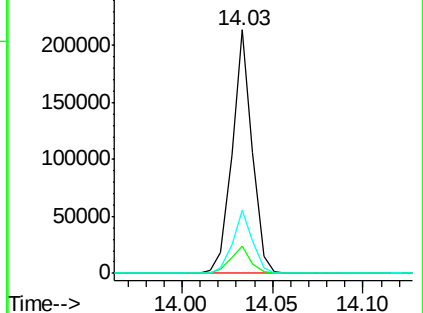
236 25.7 20.7 31.1



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: 16.35 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

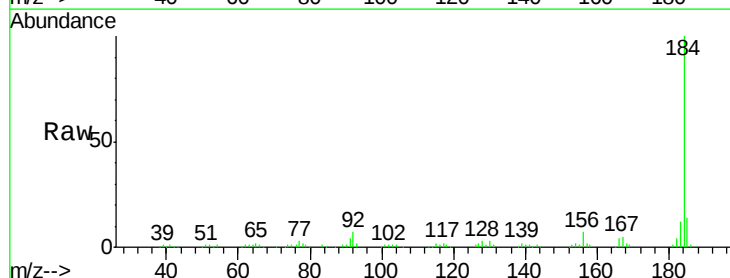
Tgt Ion:184 Resp: 107067

Ion Ratio Lower Upper

184 100

185 13.5 12.6 18.8

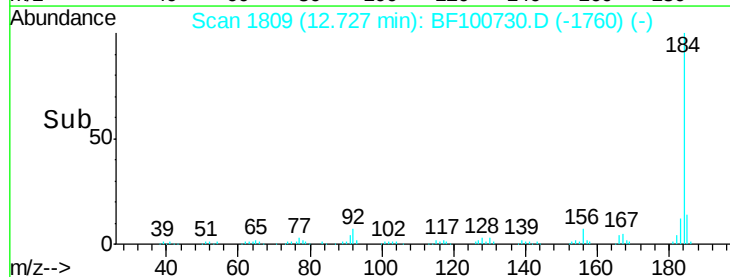
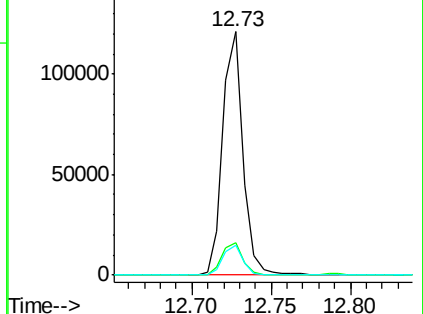
183 12.0 9.3 13.9

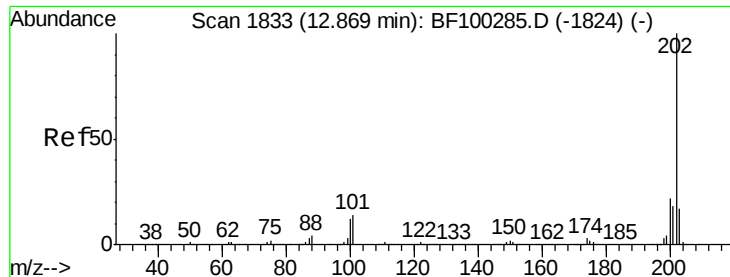


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

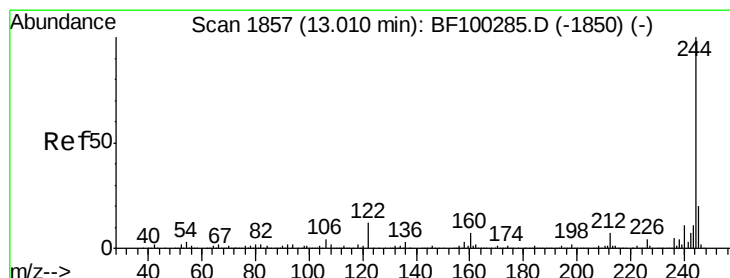
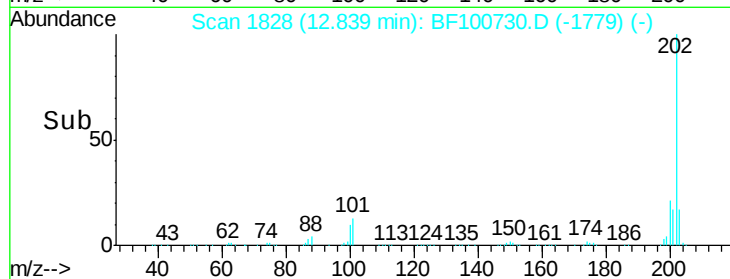
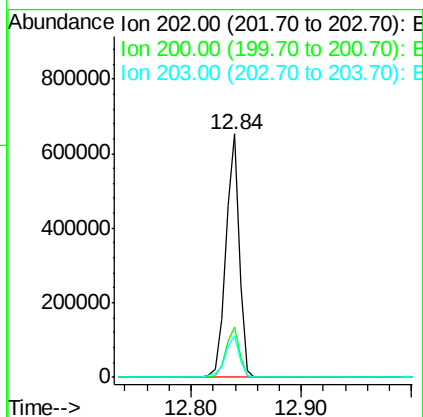
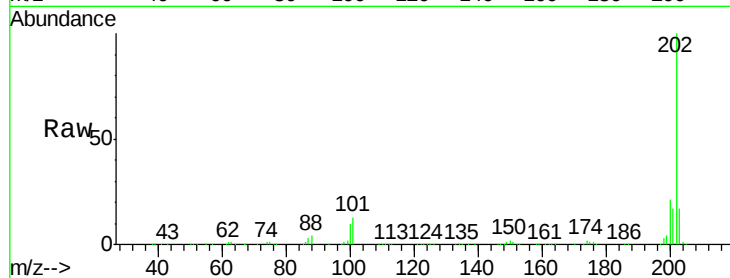




#77
 Pyrene
 Concen: 47.45 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

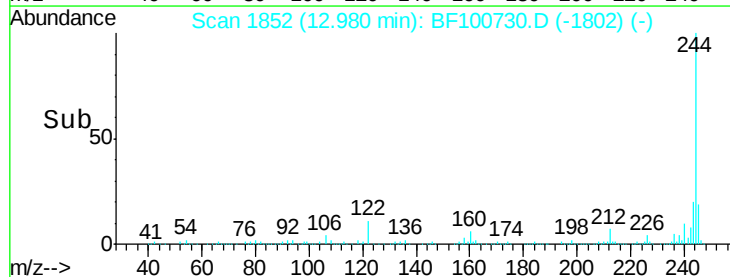
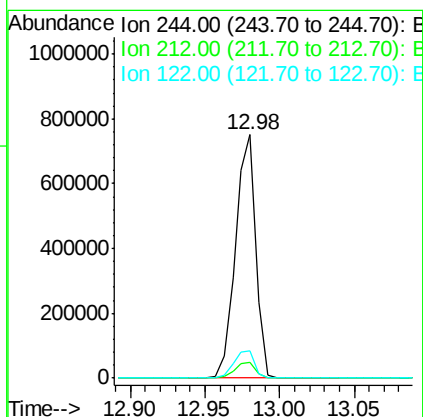
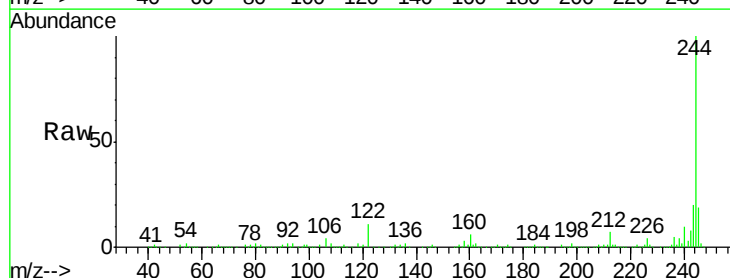
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

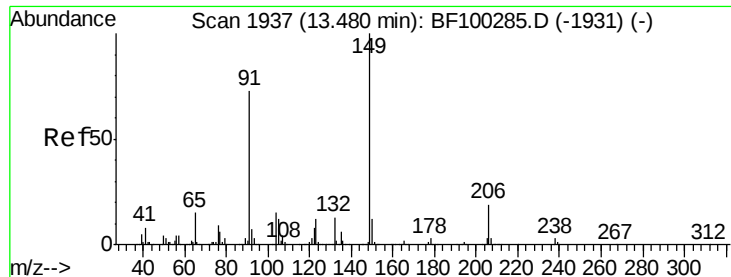
Tgt Ion:202 Resp: 553014
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.4 26.2
 203 17.2 14.3 21.5



#78
 Terphenyl-d14
 Concen: 100.61 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:244 Resp: 715838
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.0 11.0 16.4





#79

Butylbenzylphthalate

Concen: 44.04 ng

RT: 13.45 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

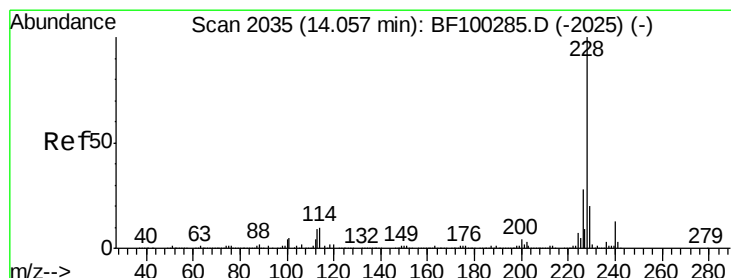
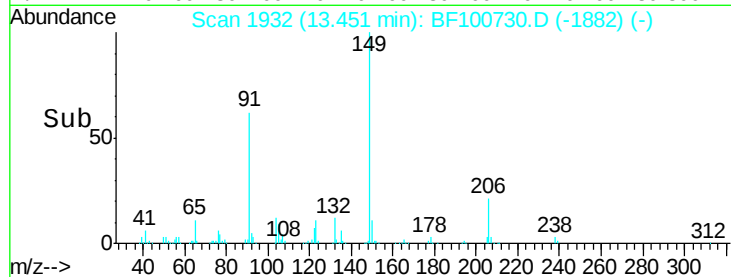
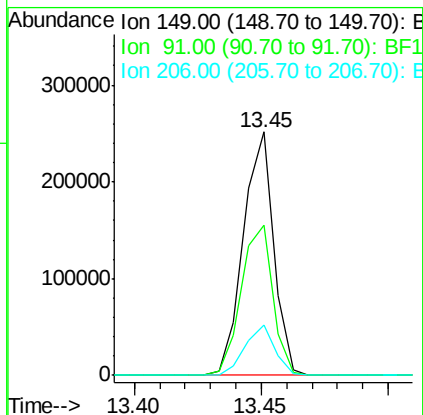
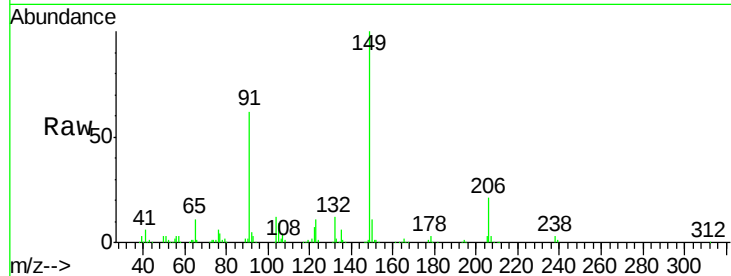
Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

Tgt Ion:	149	Resp:	209300
Ion Ratio	Lower	Upper	
149	100		
91	61.6	56.8	85.2
206	20.5	14.1	21.1



#80

Benzo(a)anthracene

Concen: 38.34 ng

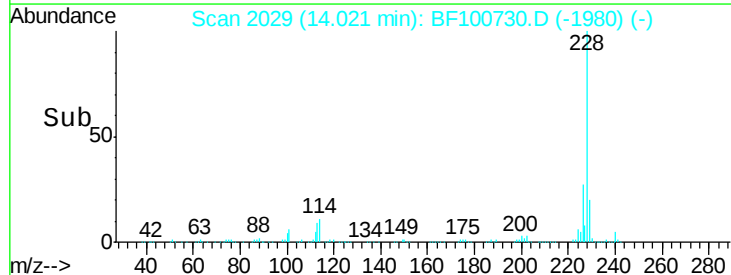
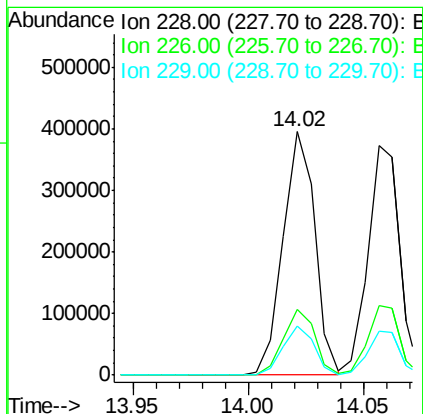
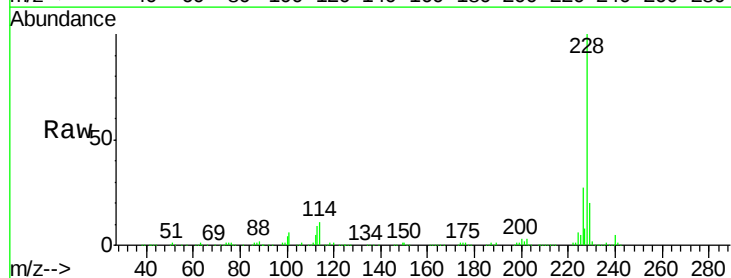
RT: 14.02 min Scan# 2029

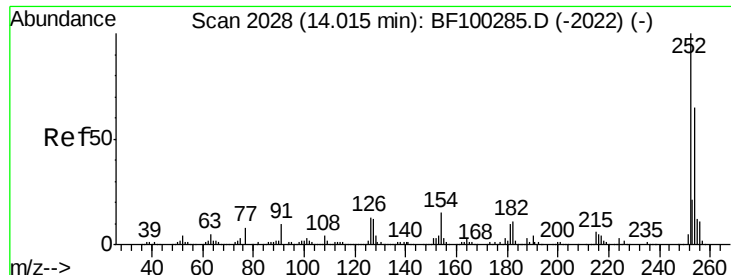
Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Tgt Ion:	228	Resp:	377476
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.6	33.8
229	20.1	15.8	23.6

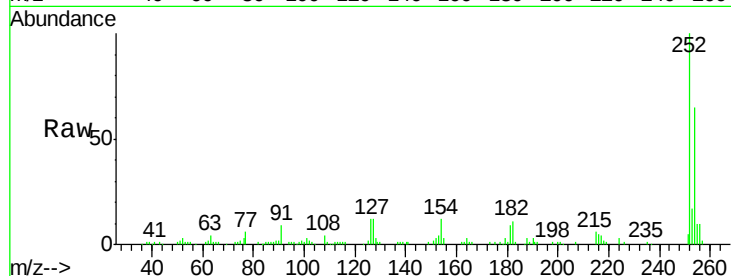




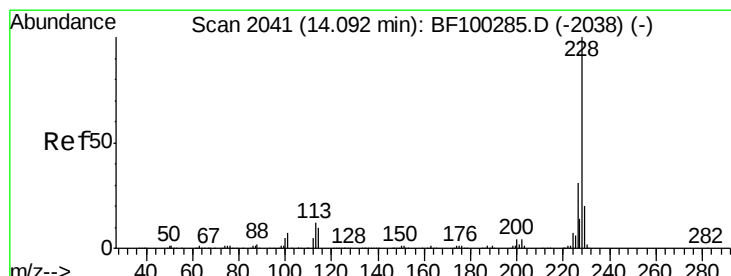
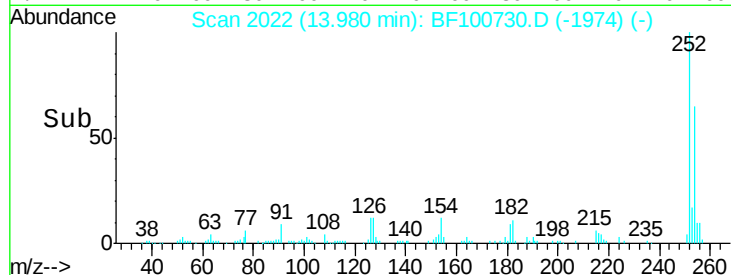
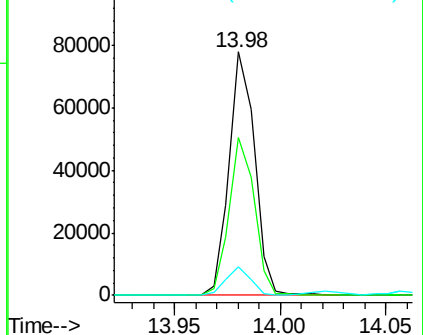
#81
 3,3'-Dichlorobenzidine
 Concen: 18.47 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-04

Tgt Ion:252 Resp: 65141
 Ion Ratio Lower Upper
 252 100
 254 64.6 50.4 75.6
 126 11.5 11.3 16.9

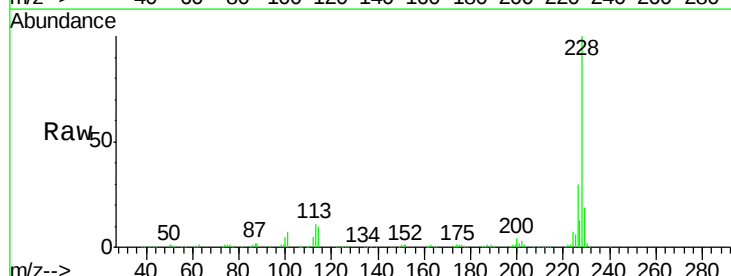


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

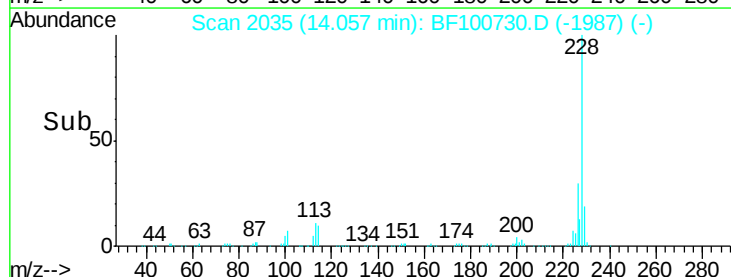
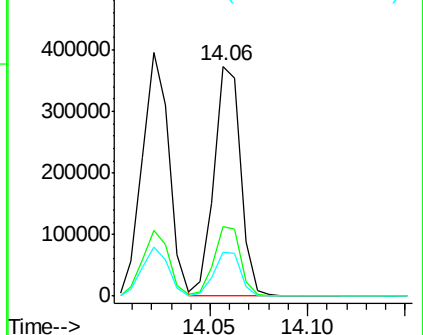


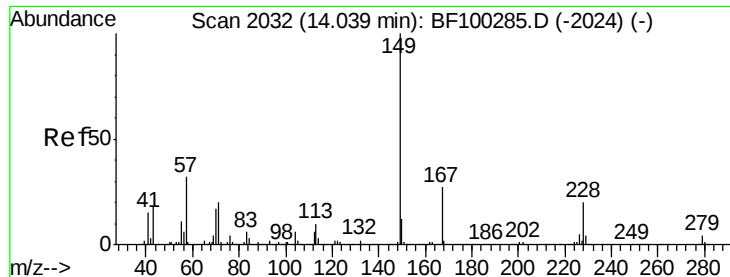
#82
 Chrysene
 Concen: 37.04 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.02 min
 Lab File: BF100730.D
 Acq: 20 Nov 2017 15:10

Tgt Ion:228 Resp: 353121
 Ion Ratio Lower Upper
 228 100
 226 30.3 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: 41.55 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

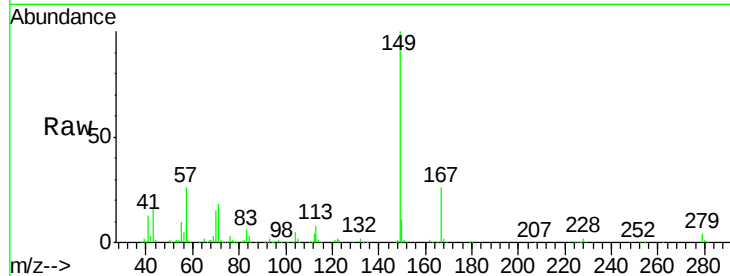
Tgt Ion:149 Resp: 259713

Ion Ratio Lower Upper

149 100

167 25.9 21.3 31.9

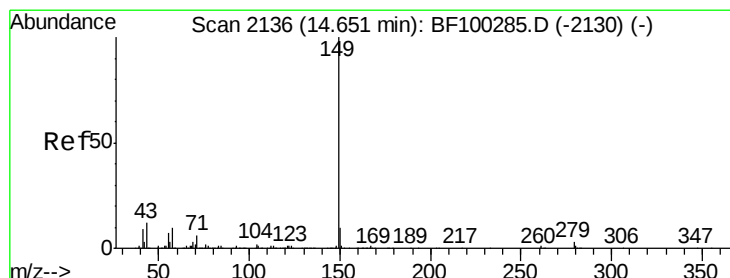
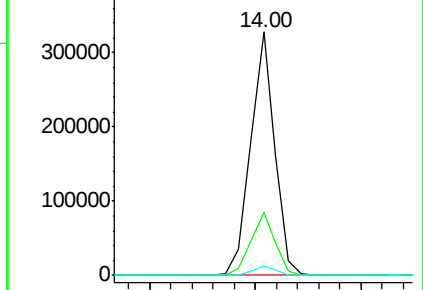
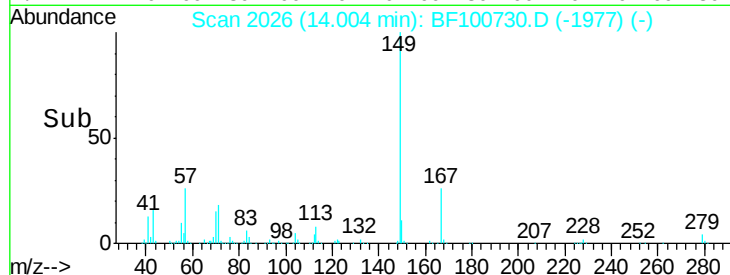
279 3.6 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 35.70 ng

RT: 14.62 min Scan# 2130

Delta R.T. -0.01 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

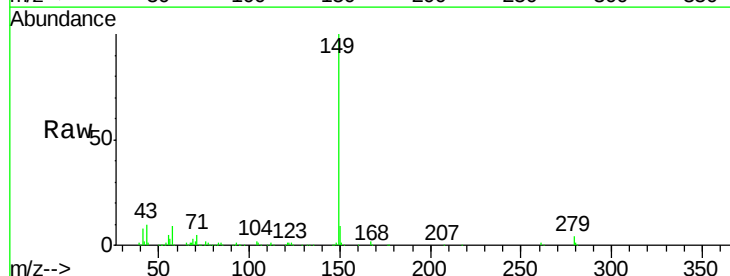
Tgt Ion:149 Resp: 383353

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

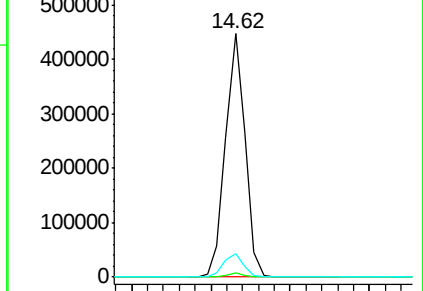
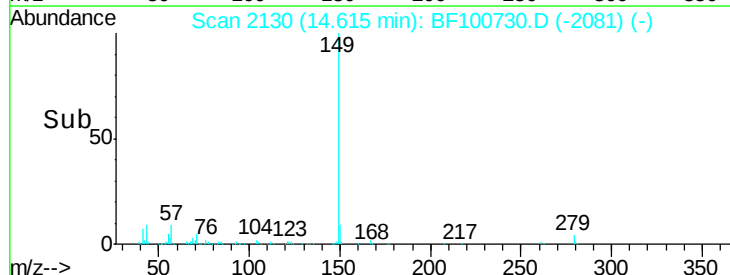
43 9.7 8.4 12.6

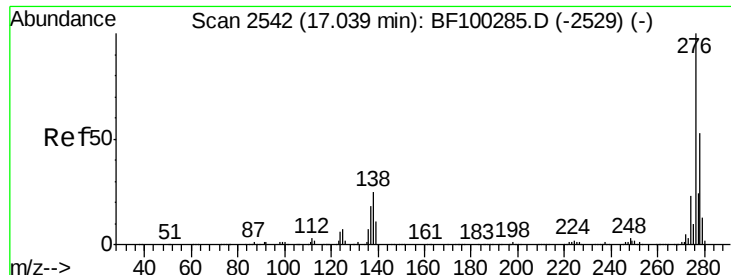


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1





#85

Indeno(1,2,3-cd)pyrene

Concen: 58.80 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

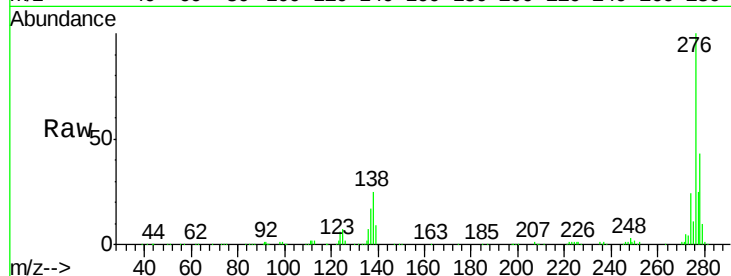
Tgt Ion:276 Resp: 453390

Ion Ratio Lower Upper

276 100

138 26.1 25.0 37.6

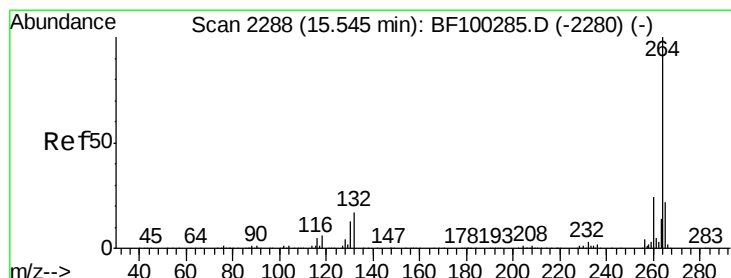
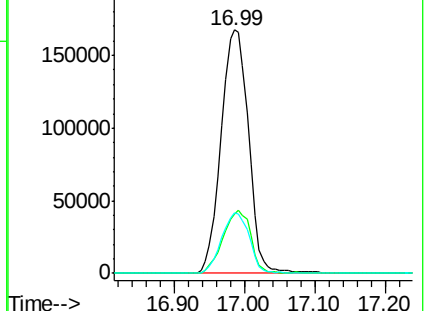
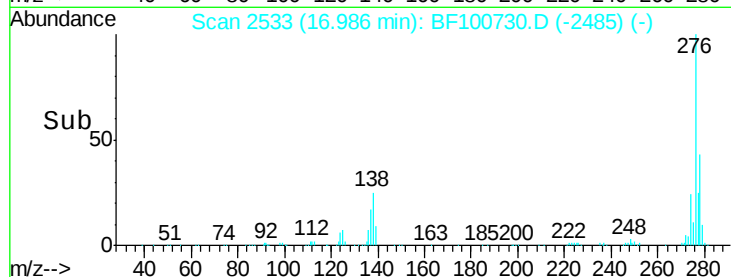
277 25.2 20.1 30.1



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: BF100730.D

Acq: 20 Nov 2017 15:10

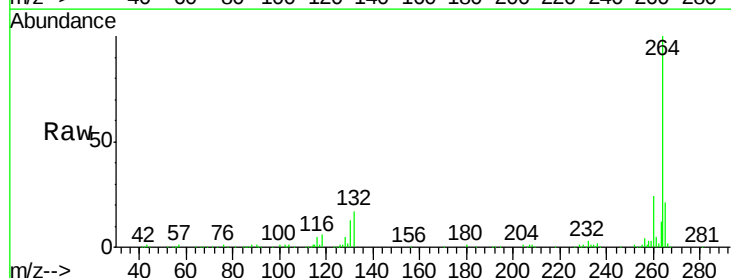
Tgt Ion:264 Resp: 174309

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

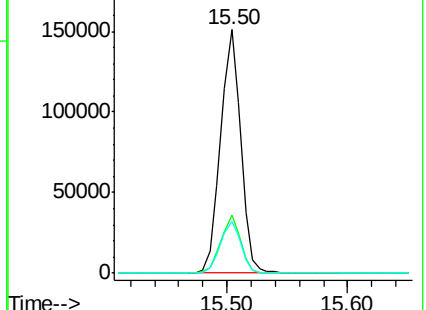
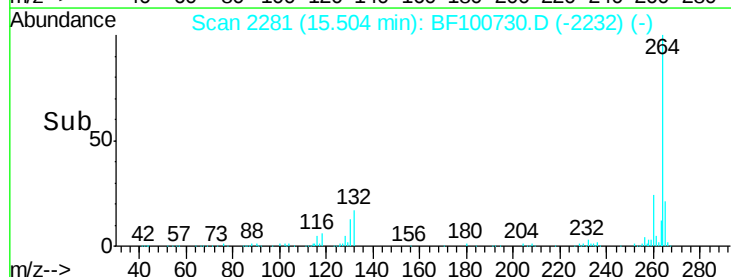
265 20.9 17.5 26.3

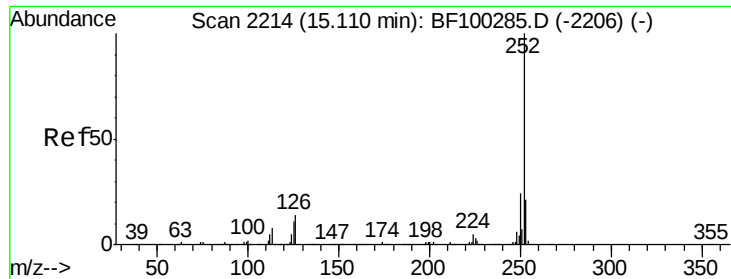


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

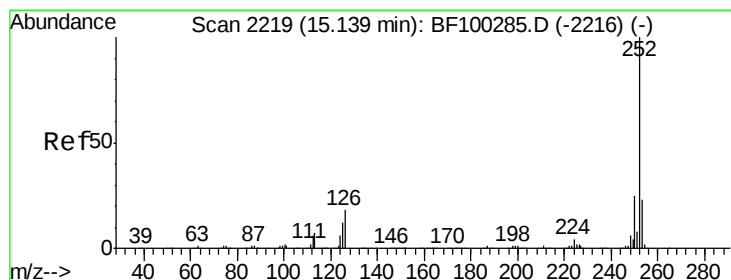
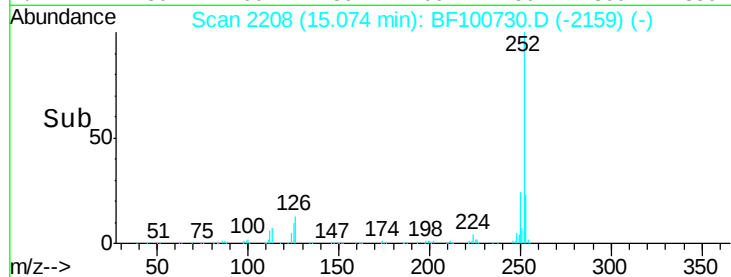
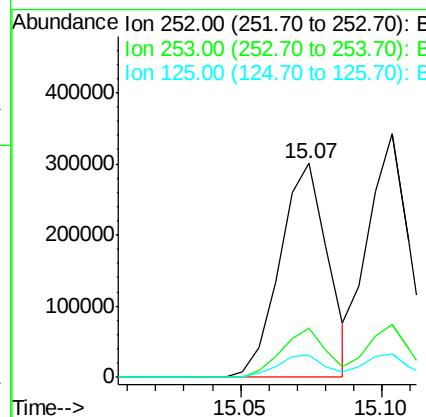
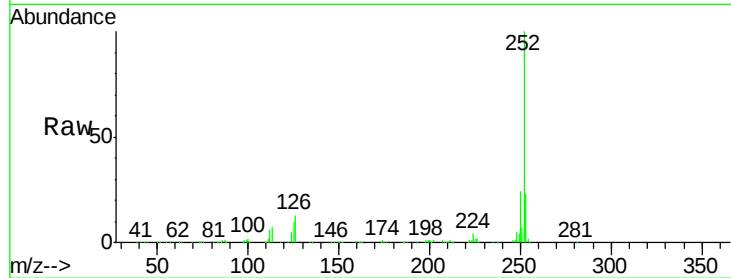




#87
Benzo(b)fluoranthene
Concen: 34.23 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

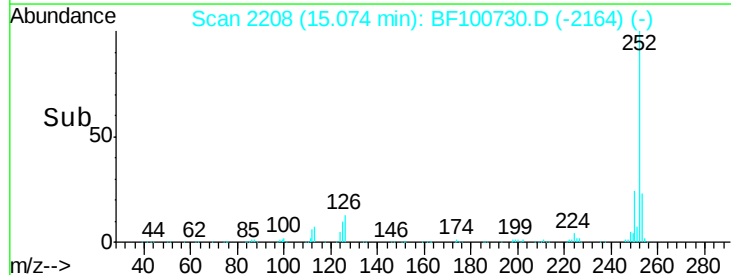
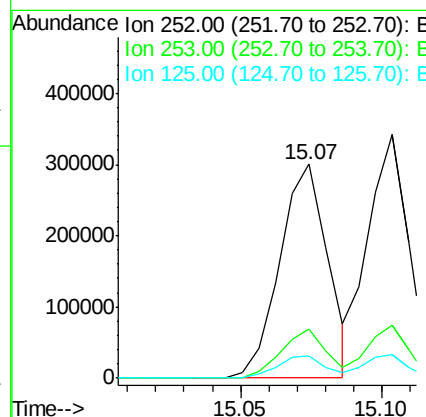
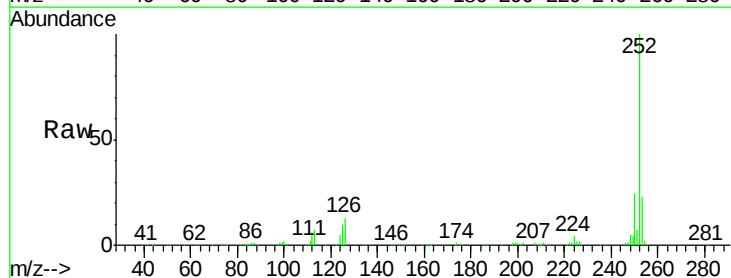
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

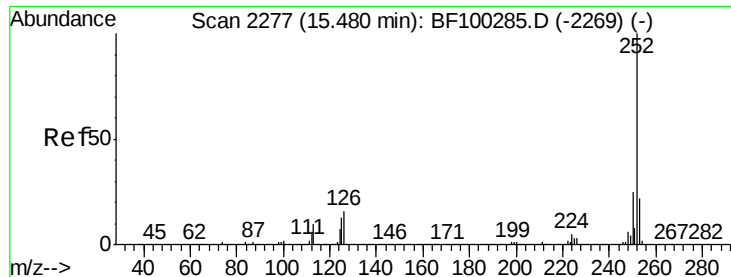
Tgt Ion:252 Resp: 353484
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 10.2 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 36.23 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion:252 Resp: 353484
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 10.2 10.2 15.2

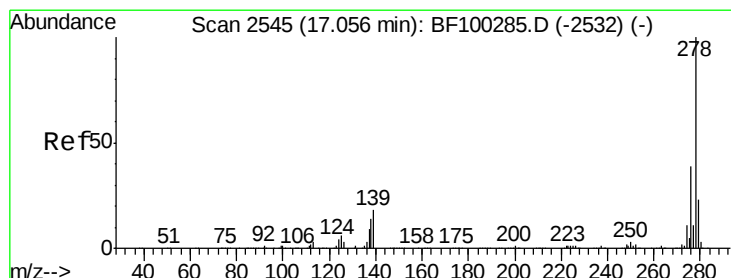
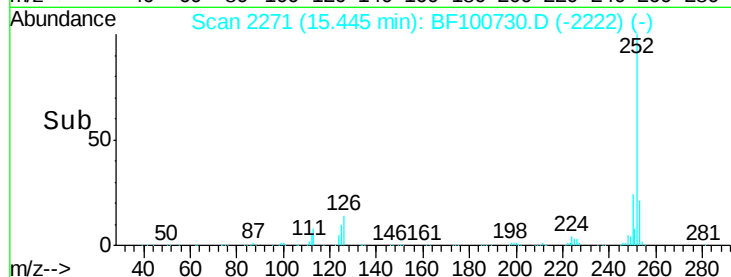
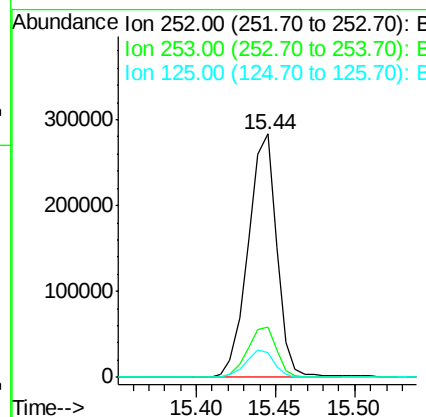
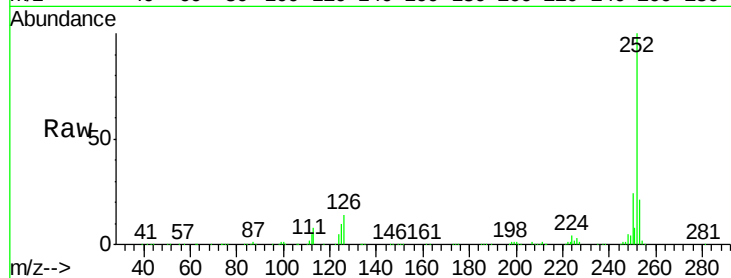




#89
Benzo(a)pyrene
Concen: 38.88 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

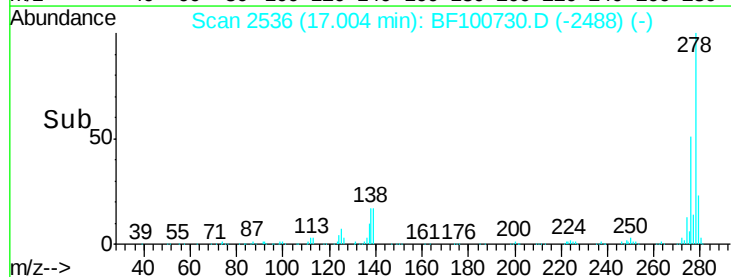
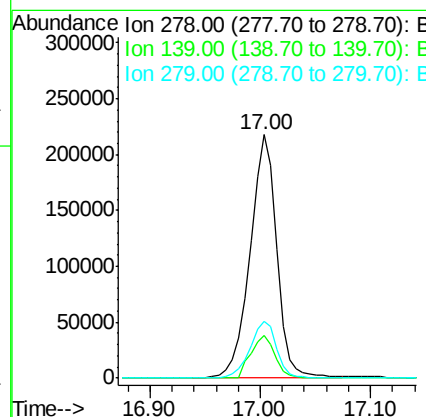
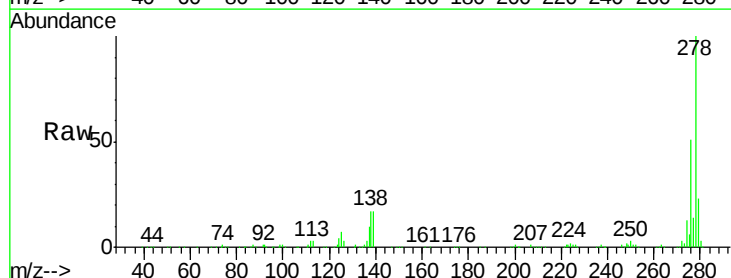
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-04

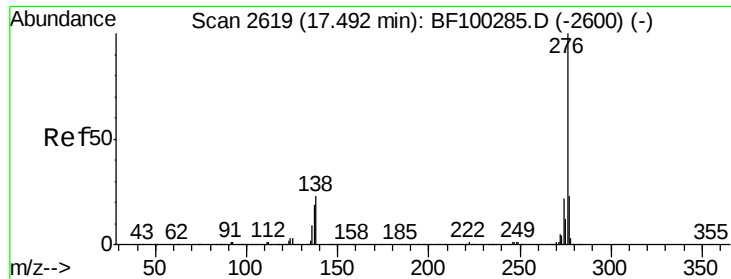
Tgt Ion: 252 Resp: 355975
Ion Ratio Lower Upper
252 100
253 20.7 17.1 25.7
125 10.3 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 49.50 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.02 min
Lab File: BF100730.D
Acq: 20 Nov 2017 15:10

Tgt Ion: 278 Resp: 370643
Ion Ratio Lower Upper
278 100
139 17.3 15.9 23.9
279 23.4 19.0 28.4





#91

Benzo(g,h,i)perylene

Concen: 53.34 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF100730.D

Acq: 20 Nov 2017 15:10

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-04

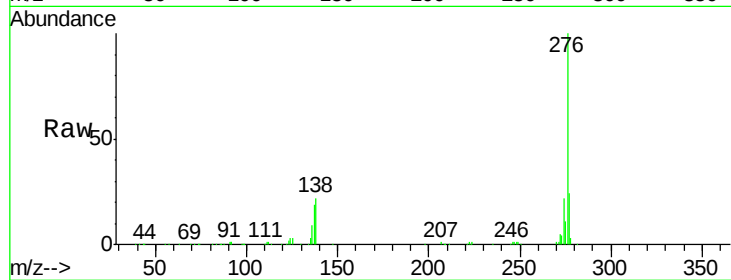
Tgt Ion:276 Resp: 390918

Ion Ratio Lower Upper

276 100

277 23.6 17.9 26.9

138 21.7 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

