

Data File : BF100727.D
Acq On : 20 Nov 2017 13:49
Operator : SJ/JU
Sample : IDOC-SOIL-01
Misc : For Mohd. Javed
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

Quant Time: Nov 21 03:22:48 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	93759	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	373226	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	175781	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	328026	20.00	ng	0.00
75) Chrysene-d12	14.03	240	179411	20.00	ng	-0.01
86) Perylene-d12	15.50	264	197632	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	619713	105.95	ng	0.01
7) Phenol-d6	6.50	99	753917	104.53	ng	0.00
23) Nitrobenzene-d5	7.44	82	470500	83.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	207400	115.79	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	976348	84.58	ng	0.00
78) Terphenyl-d14	12.98	244	776671	99.47	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.75	88	78875	27.67	ng	96
3) Pyridine	3.50	79	226488	29.12	ng	97
4) n-Nitrosodimethylamine	3.46	42	108823	28.82	ng	99
6) Aniline	6.53	93	125239	12.29	ng	98
8) 2-Chlorophenol	6.66	128	230682	37.28	ng	99
9) Benzaldehyde	6.42	77	95860	18.61	ng	97
10) Phenol	6.52	94	265626	35.08	ng	99
11) bis(2-Chloroethyl)ether	6.61	93	205909	32.38	ng	98
12) 1,3-Dichlorobenzene	6.82	146	257900	36.15	ng	96
13) 1,4-Dichlorobenzene	6.89	146	261237	36.18	ng	97
14) 1,2-Dichlorobenzene	7.05	146	246524	36.93	ng	97
15) Benzyl Alcohol	7.01	79	195301	34.69	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.15	45	365971	35.98	ng	98
17) 2-Methylphenol	7.12	107	194746	36.83	ng	98
18) Hexachloroethane	7.38	117	88532	37.19	ng	99
19) n-Nitroso-di-n-propylamine	7.29	70	154240	30.84	ng	98
20) 3+4-Methylphenols	7.27	107	239313	35.76	ng	# 80
22) Acetophenone	7.28	105	308734	33.92	ng	# 95
24) Nitrobenzene	7.46	77	229976	39.58	ng	93
25) Isophorone	7.69	82	427070	36.00	ng	100
26) 2-Nitrophenol	7.77	139	128684	47.32	ng	94
27) 2,4-Dimethylphenol	7.80	122	213444	40.14	ng	98
28) bis(2-Chloroethoxy)methane	7.90	93	271435	34.98	ng	98
29) 2,4-Dichlorophenol	8.01	162	202787	39.94	ng	97
30) 1,2,4-Trichlorobenzene	8.09	180	214093	38.99	ng	96
31) Naphthalene	8.17	128	664406	36.96	ng	100
32) Benzoic acid	7.89	122	43563	17.98	ng	95
33) 4-Chloroaniline	8.22	127	68096	9.10	ng	95
34) Hexachlorobutadiene	8.29	225	122306	37.46	ng	98
35) Caprolactam	8.60	113	40722	23.37	ng	93
36) 4-Chloro-3-methylphenol	8.70	107	203471	37.32	ng	97
37) 2-Methylnaphthalene	8.87	142	458121	38.39	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.03	216	217211	37.26	ng	# 97
40) Hexachlorocyclopentadiene	9.02	237	196642	71.67	ng	99

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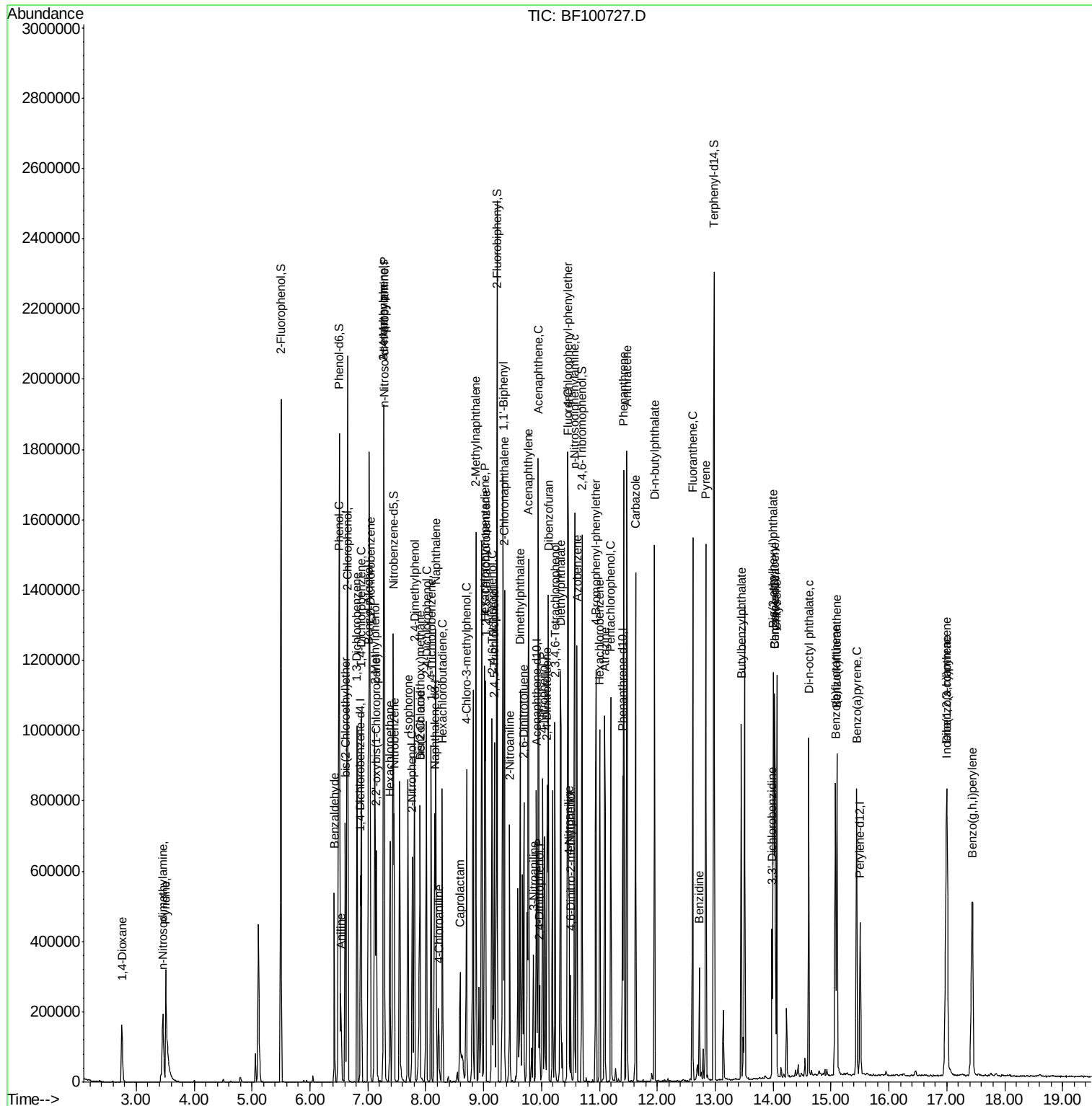
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.15	196	152539	41.28	ng	97
43) 2,4,5-Trichlorophenol	9.19	196	154481	40.35	ng	# 91
45) 1,1'-Biphenyl	9.33	154	547834	36.03	ng	97
46) 2-Chloronaphthalene	9.36	162	428969	38.89	ng	97
47) 2-Nitroaniline	9.45	65	124211	38.69	ng	97
48) Acenaphthylene	9.77	152	654816	35.82	ng	100
49) Dimethylphthalate	9.63	163	488660	36.41	ng	99
50) 2,6-Dinitrotoluene	9.69	165	110660	41.65	ng	95
51) Acenaphthene	9.95	154	399464	35.93	ng	99
52) 3-Nitroaniline	9.86	138	61305	19.54	ng	89
53) 2,4-Dinitrophenol	9.97	184	35255	41.50	ng	# 12
54) Dibenzofuran	10.12	168	570626	36.62	ng	99
55) 4-Nitrophenol	10.02	139	162067	63.62	ng	94
56) 2,4-Dinitrotoluene	10.10	165	144312	43.06	ng	# 91
57) Fluorene	10.46	166	443467	38.85	ng	97
58) 2,3,4,6-Tetrachlorophenol	10.23	232	123115	39.24	ng	# 85
59) Diethylphthalate	10.33	149	473371	35.25	ng	98
60) 4-Chlorophenyl-phenylether	10.45	204	212294	37.92	ng	92
61) 4-Nitroaniline	10.48	138	105059	35.32	ng	86
62) Azobenzene	10.61	77	421277	33.30	ng	95
64) 4,6-Dinitro-2-methylphenol	10.50	198	39175	28.00	ng	86
65) n-Nitrosodiphenylamine	10.57	169	414777	36.37	ng	93
66) 4-Bromophenyl-phenylether	10.94	248	141289	40.18	ng	# 86
67) Hexachlorobenzene	11.01	284	145035	39.44	ng	# 82
68) Atrazine	11.09	200	131470	38.08	ng	98
69) Pentachlorophenol	11.20	266	122605	46.49	ng	99
70) Phenanthrene	11.42	178	645866	37.40	ng	99
71) Anthracene	11.47	178	673609	38.44	ng	99
72) Carbazole	11.63	167	560347	34.66	ng	98
73) Di-n-butylphthalate	11.95	149	713439	37.71	ng	98
74) Fluoranthene	12.61	202	620254	33.89	ng	96
76) Benzidine	12.73	184	120471	16.77	ng	98
77) Pyrene	12.84	202	612388	47.88	ng	99
79) Butylbenzylphthalate	13.45	149	232030	44.49	ng	# 88
80) Benzo(a)anthracene	14.02	228	425559	39.39	ng	98
81) 3,3'-Dichlorobenzidine	13.99	252	92204	23.82	ng	# 96
82) Chrysene	14.06	228	401451	38.37	ng	97
83) Bis(2-ethylhexyl)phthalate	14.00	149	289495	42.20	ng	100
84) Di-n-octyl phthalate	14.62	149	432257	36.68	ng	99
85) Indeno(1,2,3-cd)pyrene	16.99	276	513259	60.65	ng	95
87) Benzo(b)fluoranthene	15.07	252	402265	34.36	ng	99
88) Benzo(k)fluoranthene	15.10	252	409436	37.01	ng	98
89) Benzo(a)pyrene	15.44	252	410590	39.56	ng	99
90) Dibenzo(a,h)anthracene	17.01	278	422594	49.78	ng	97
91) Benzo(g,h,i)perylene	17.44	276	442025	53.19	ng	# 94

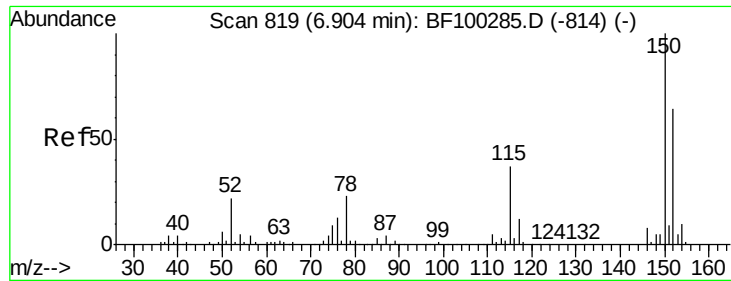
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

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BNA_F

ClientSampleId :

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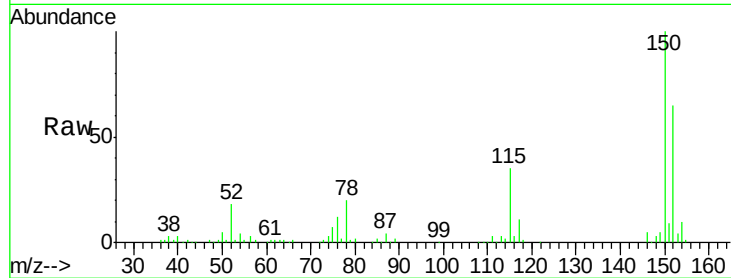
Tgt Ion:152 Resp: 93759

Ion Ratio Lower Upper

152 100

150 154.1 124.6 186.8

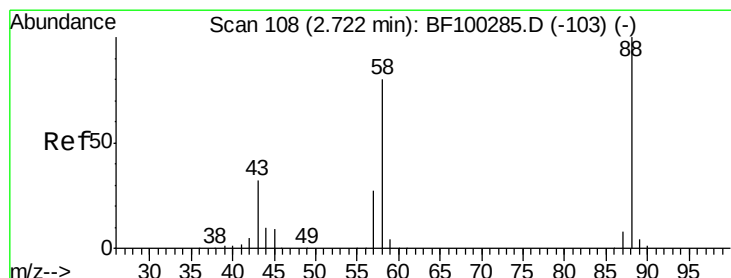
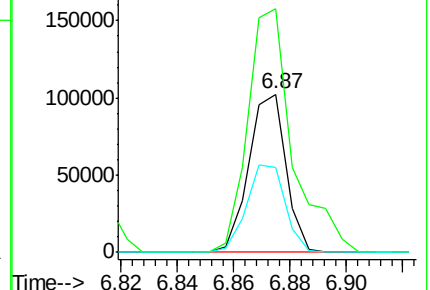
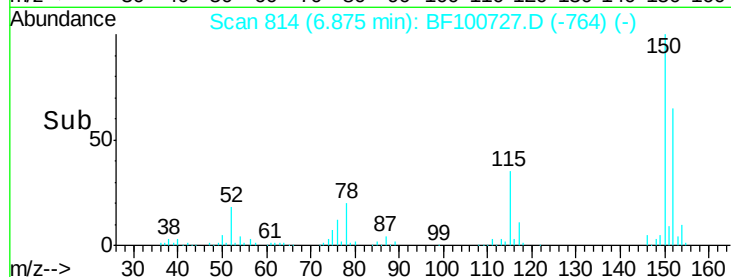
115 53.7 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 27.67 ng

RT: 2.75 min Scan# 113

Delta R.T. 0.08 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

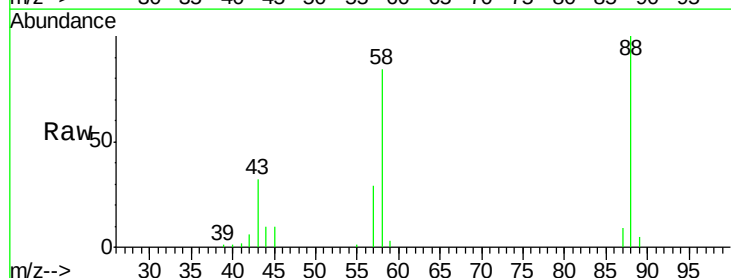
Tgt Ion: 88 Resp: 78875

Ion Ratio Lower Upper

88 100

58 82.5 62.6 93.8

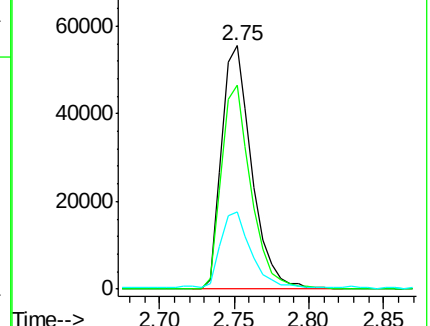
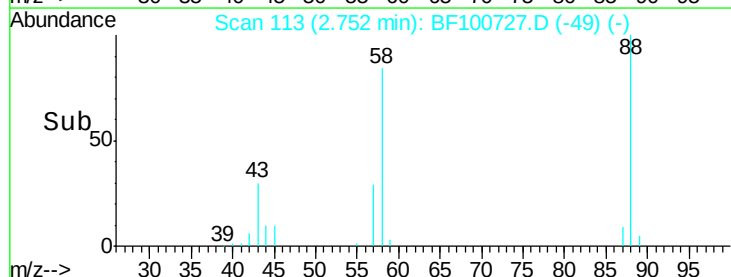
43 32.1 24.6 37.0

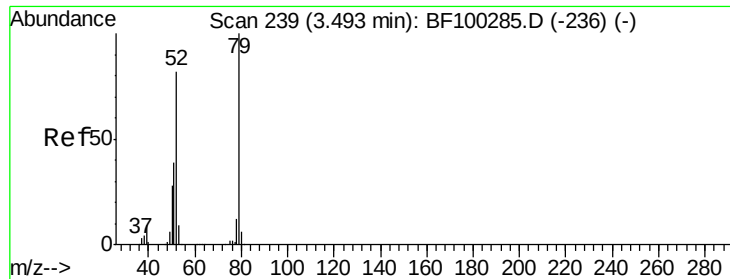


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 29.12 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.06 min

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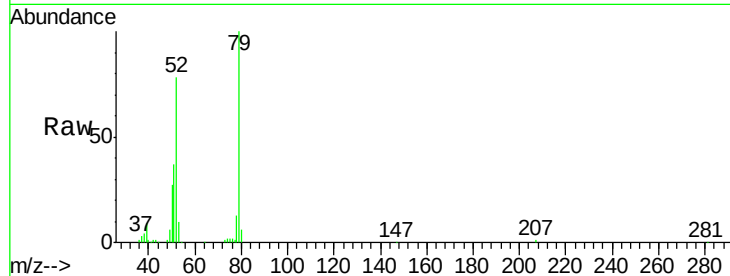
Tgt Ion: 79 Resp: 226488

Ion Ratio Lower Upper

79 100

52 78.1 59.8 89.6

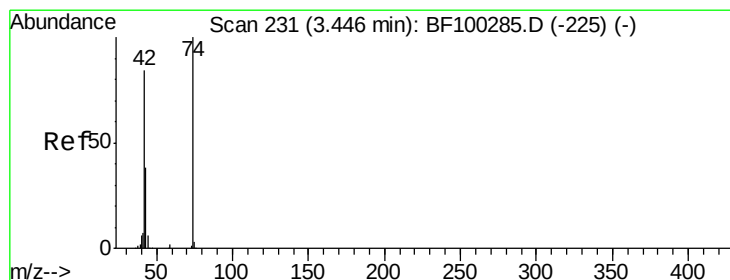
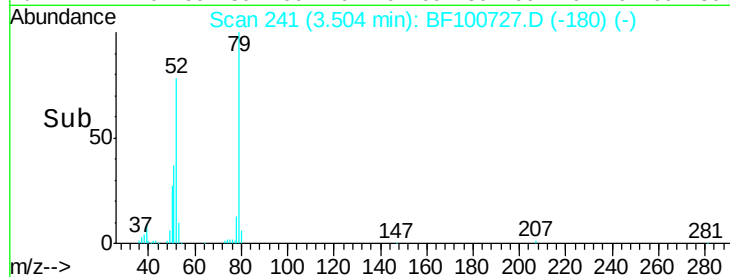
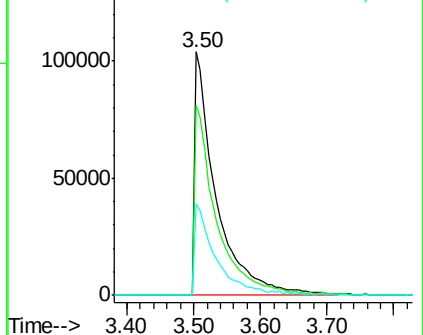
51 37.4 29.8 44.8



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: 28.82 ng

RT: 3.46 min Scan# 234

Delta R.T. 0.06 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

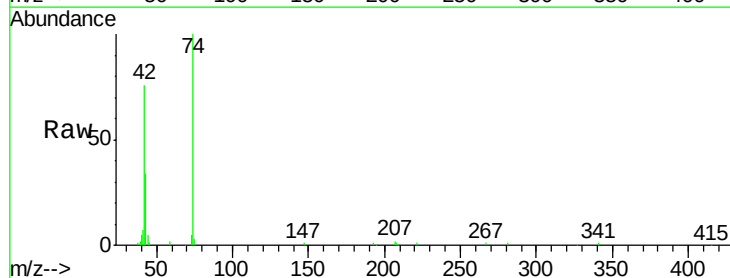
Tgt Ion: 42 Resp: 108823

Ion Ratio Lower Upper

42 100

74 131.8 104.9 157.3

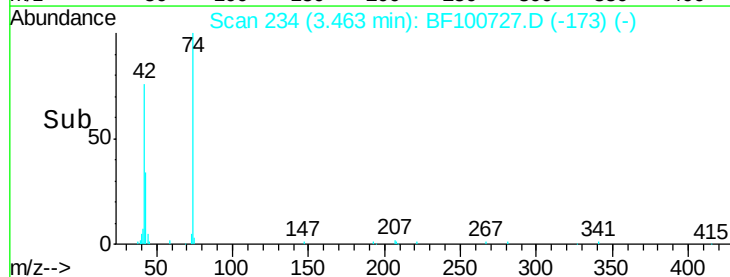
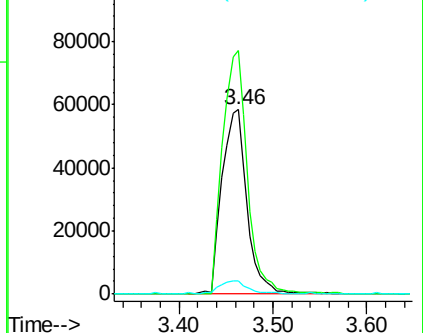
44 7.2 6.9 10.3

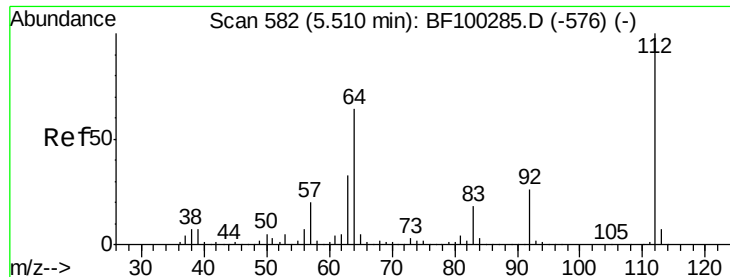


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 105.95 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

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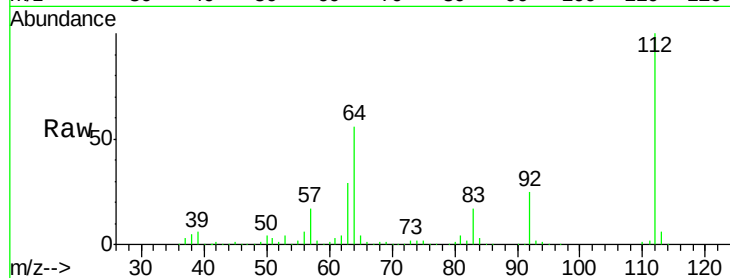
Tgt Ion: 112 Resp: 619713

Ion Ratio Lower Upper

112 100

64 56.4 47.9 71.9

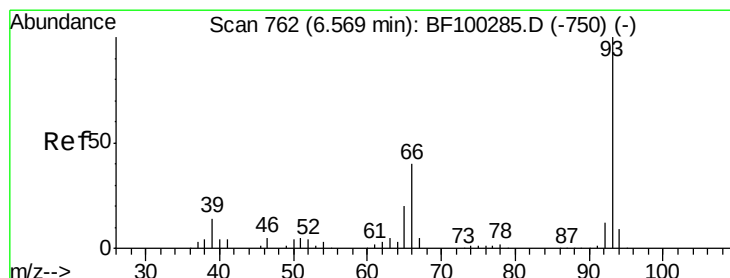
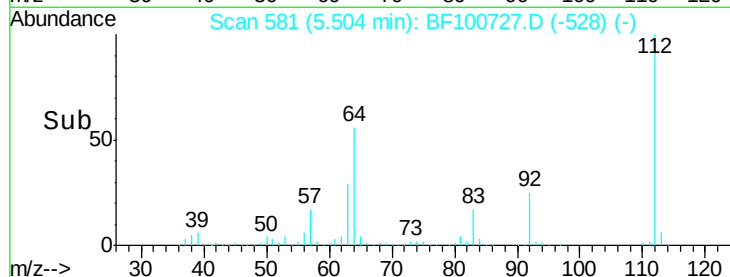
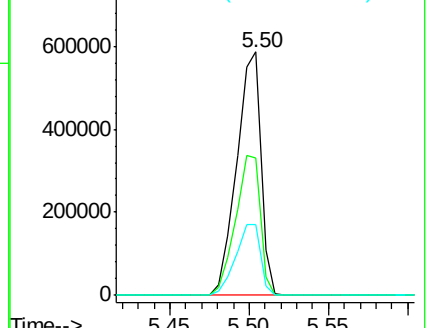
63 29.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 12.29 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.02 min

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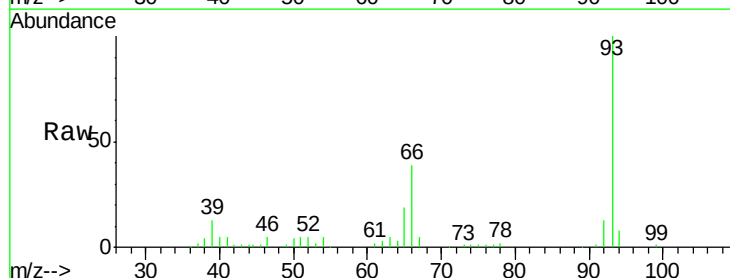
Tgt Ion: 93 Resp: 125239

Ion Ratio Lower Upper

93 100

66 39.0 32.2 48.2

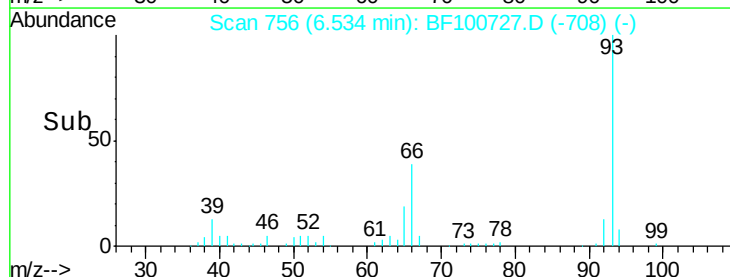
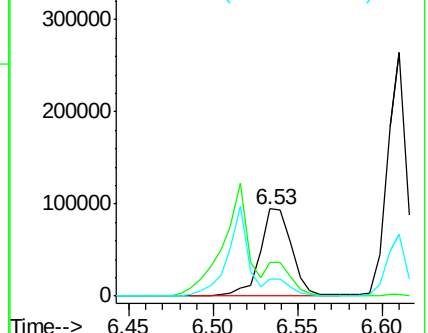
65 19.3 16.4 24.6

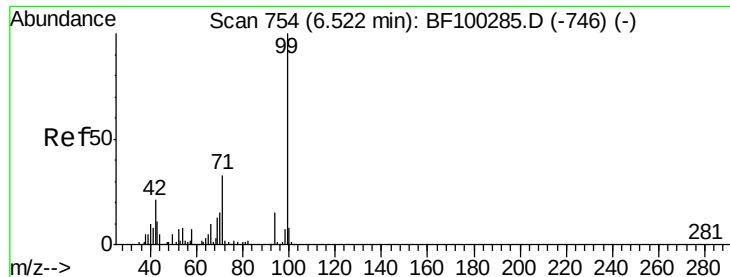


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 104.53 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

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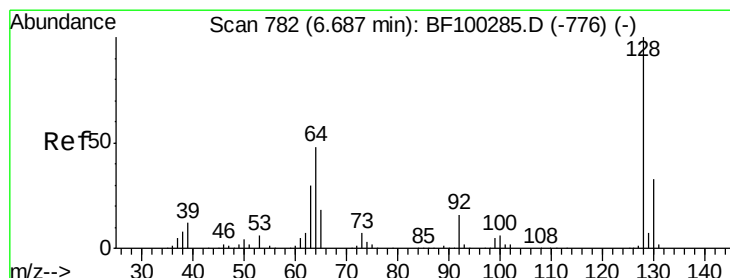
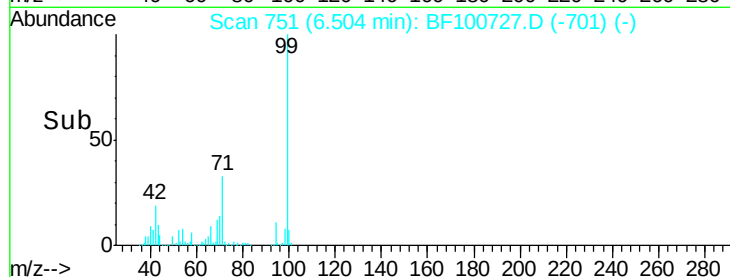
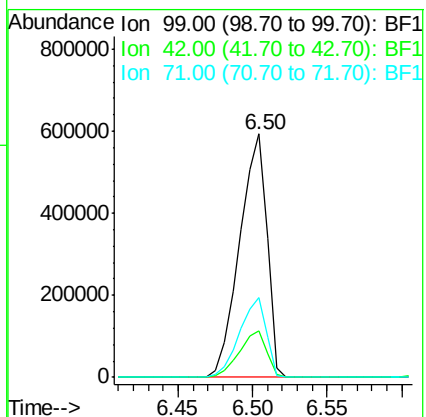
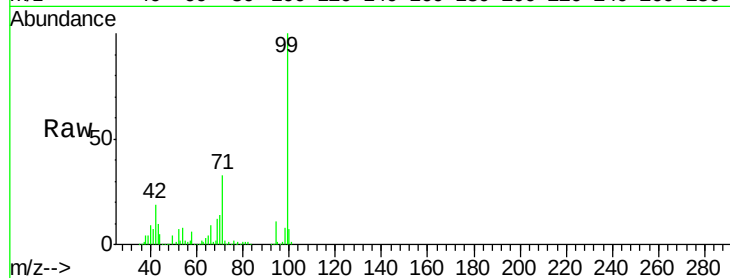
Tgt Ion: 99 Resp: 753917

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

71 32.9 25.4 38.0



#8

2-Chlorophenol

Concen: 37.28 ng

RT: 6.66 min Scan# 777

Delta R.T. -0.01 min

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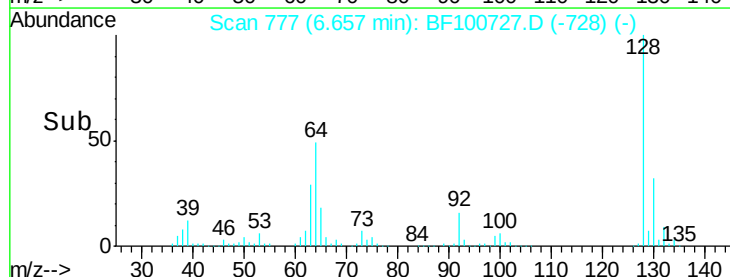
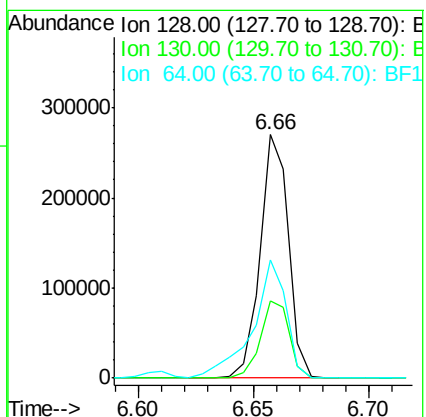
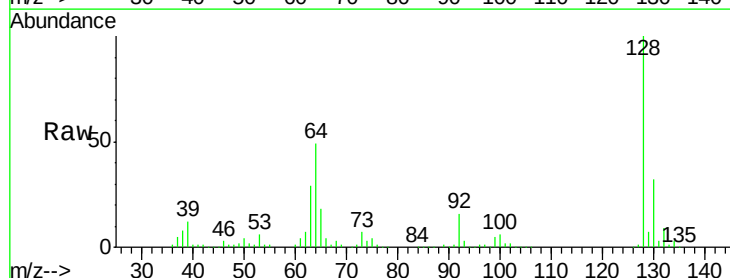
Tgt Ion: 128 Resp: 230682

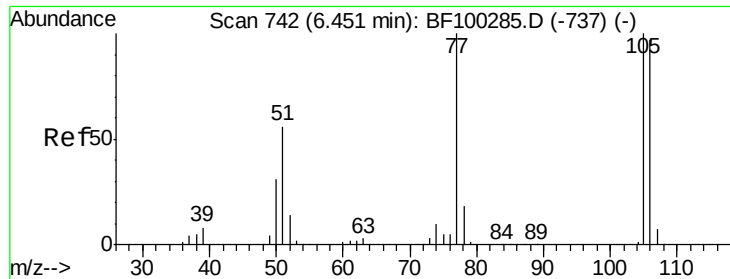
Ion Ratio Lower Upper

128 100

130 31.8 13.0 53.0

64 48.8 29.4 69.4





#9

Benzaldehyde

Concen: 18.61 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

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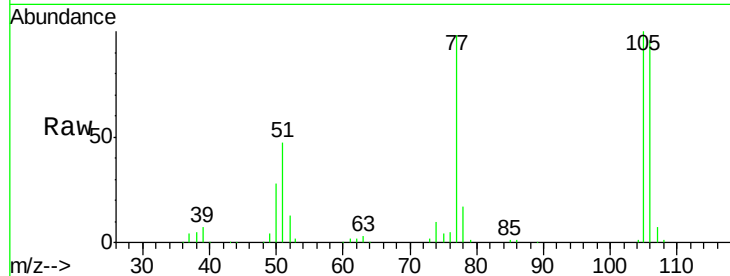
Tgt Ion: 77 Resp: 95860

Ion Ratio Lower Upper

77 100

105 102.5 81.1 121.1

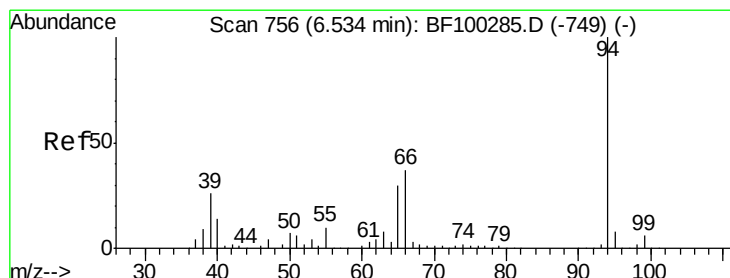
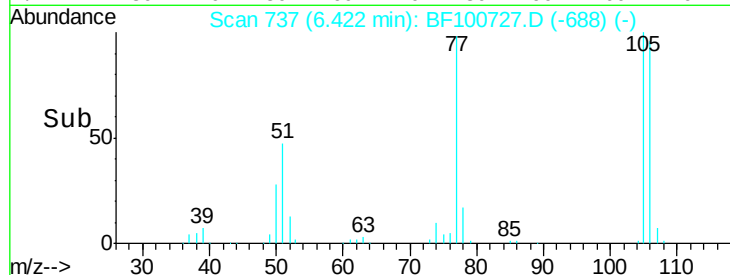
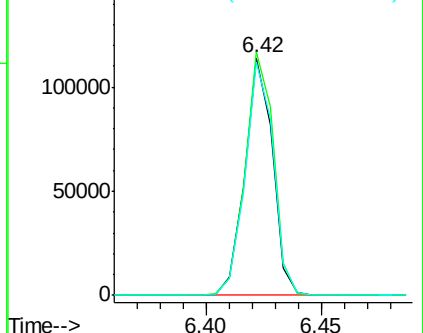
106 98.1 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 35.08 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

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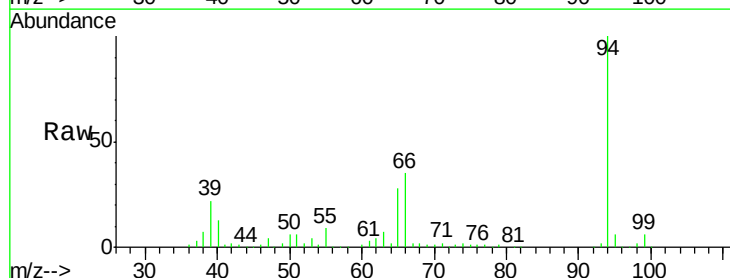
Tgt Ion: 94 Resp: 265626

Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

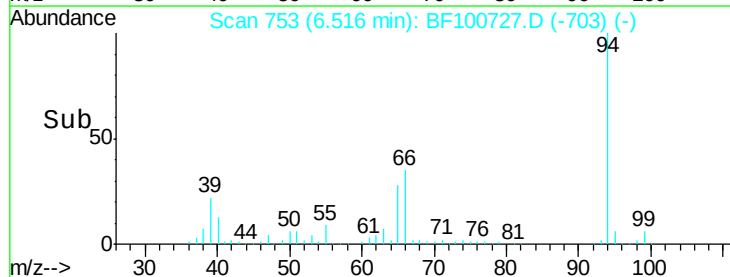
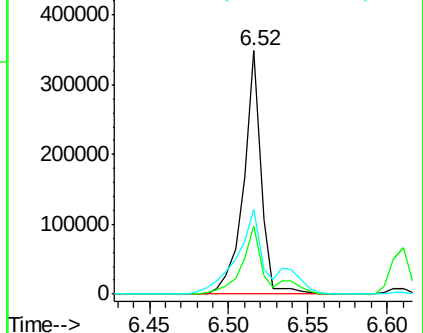
66 35.1 16.2 56.2

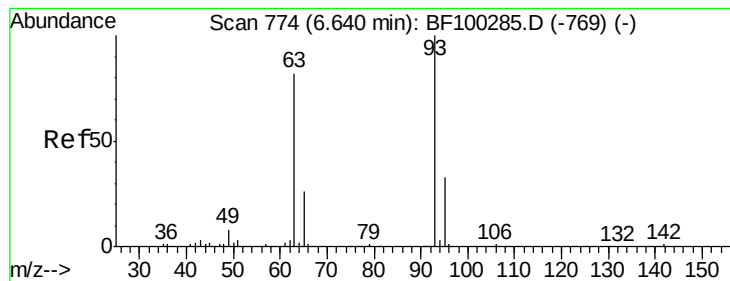


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 32.38 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

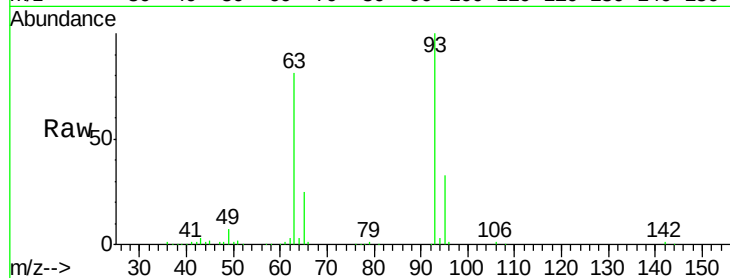
Tgt Ion: 93 Resp: 205909

Ion Ratio Lower Upper

93 100

63 80.8 58.6 98.6

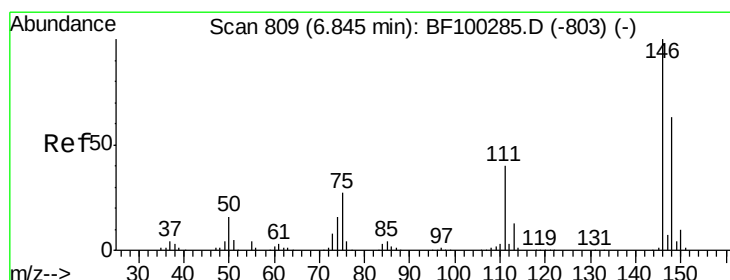
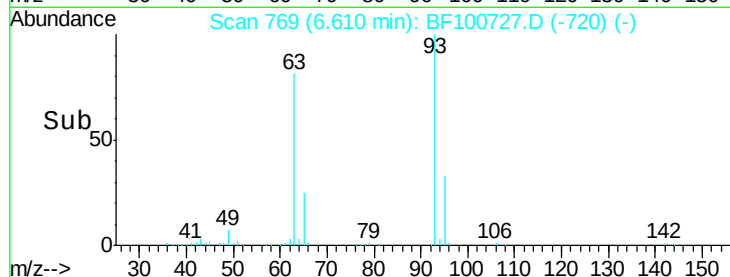
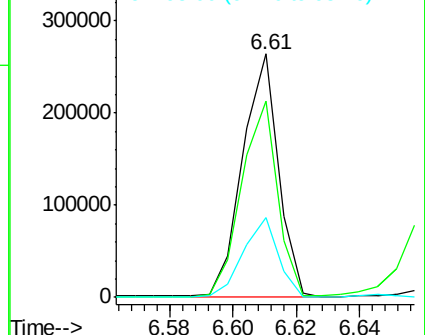
95 32.8 11.8 51.8



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#12

1,3-Dichlorobenzene

Concen: 36.15 ng

RT: 6.82 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

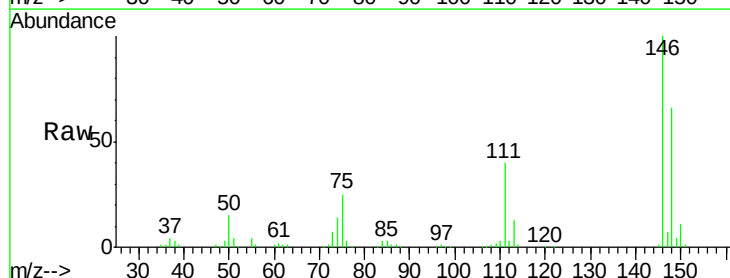
Tgt Ion: 146 Resp: 257900

Ion Ratio Lower Upper

146 100

148 65.6 51.8 77.8

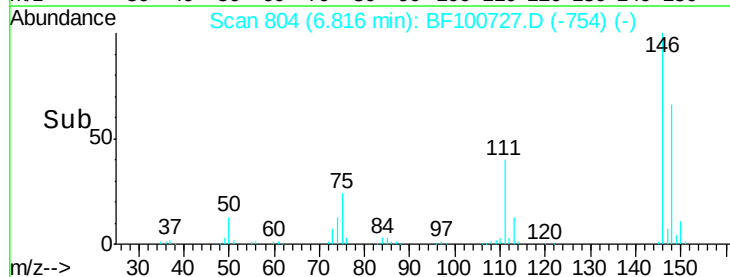
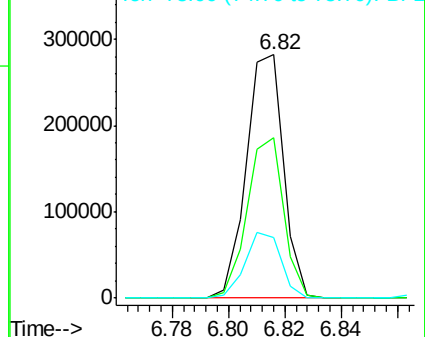
75 24.8 24.2 36.4

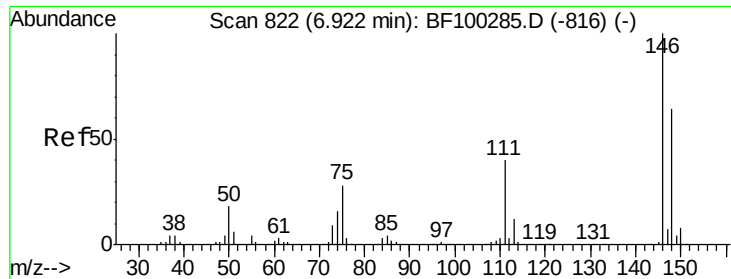


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

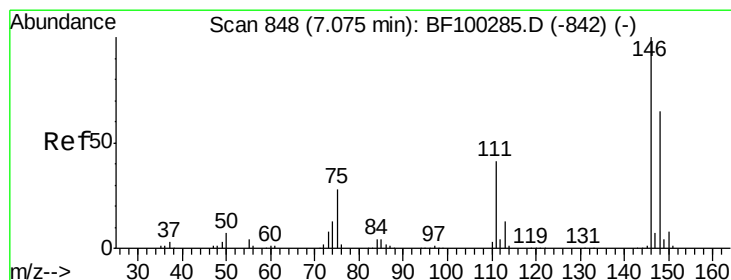
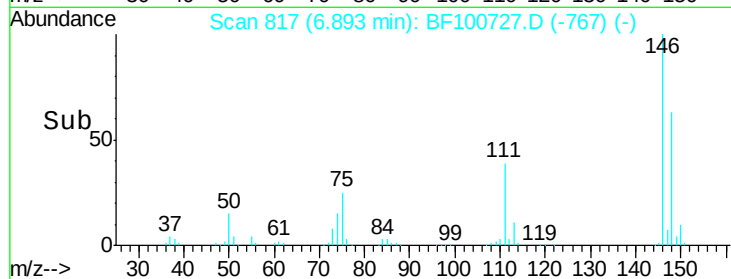
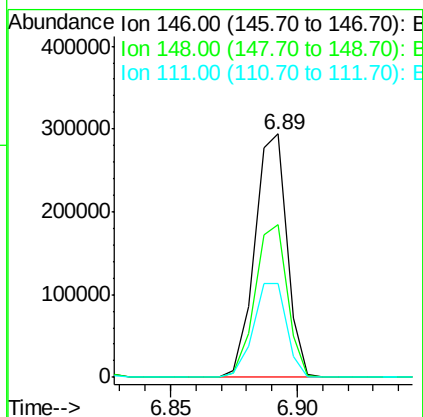
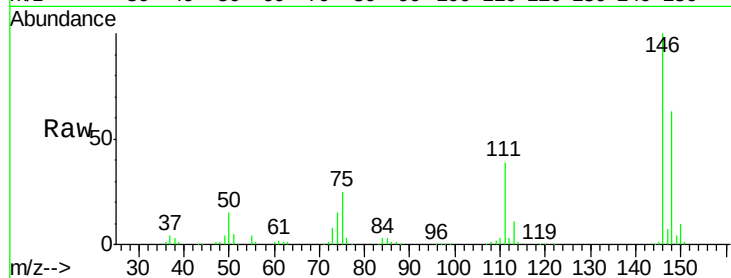




#13
 1,4-Dichlorobenzene
 Concen: 36.18 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

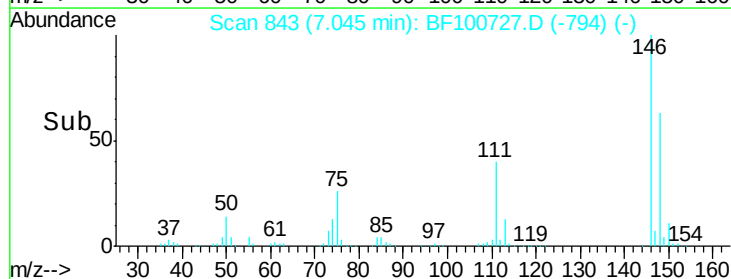
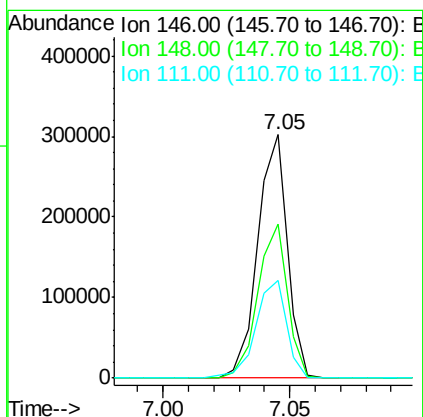
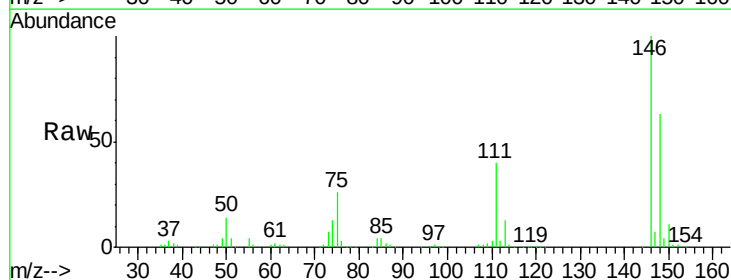
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

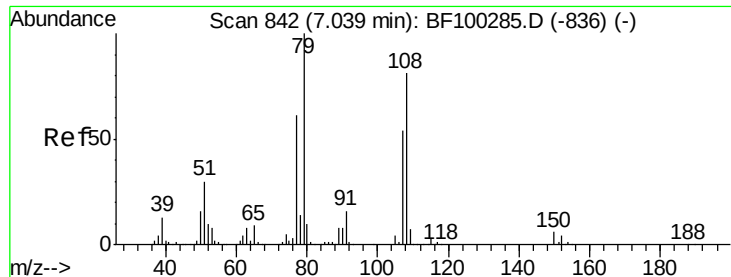
Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.8	76.2
111	38.6	34.2	51.2



#14
 1,2-Dichlorobenzene
 Concen: 36.93 ng
 RT: 7.05 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.6	75.8
111	40.3	36.0	54.0

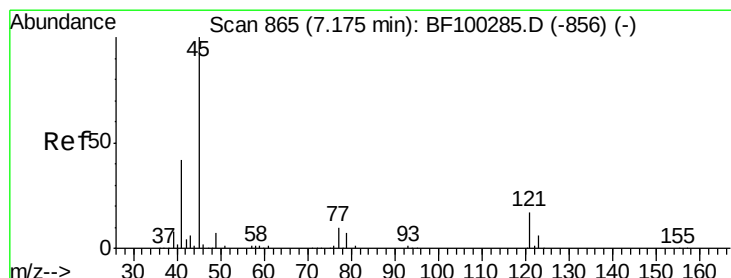
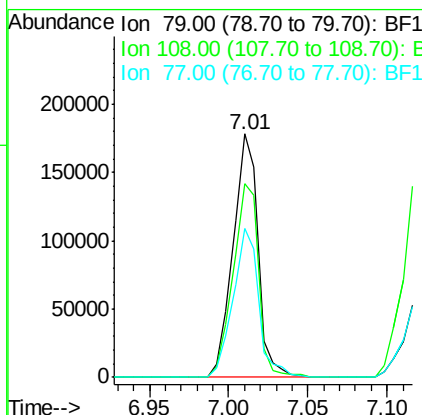
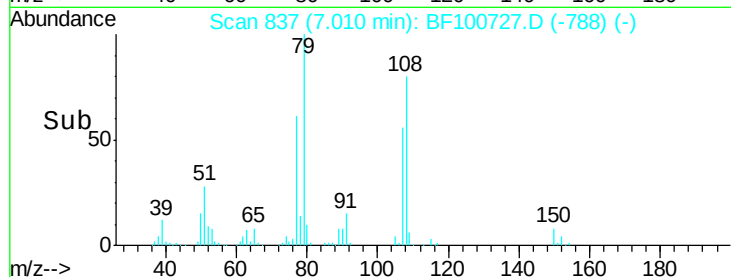
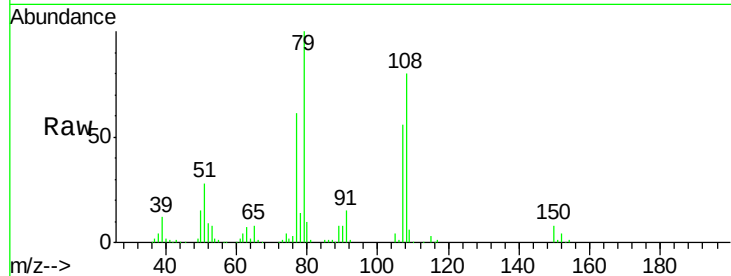




#15
Benzyl Alcohol
Concen: 34.69 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

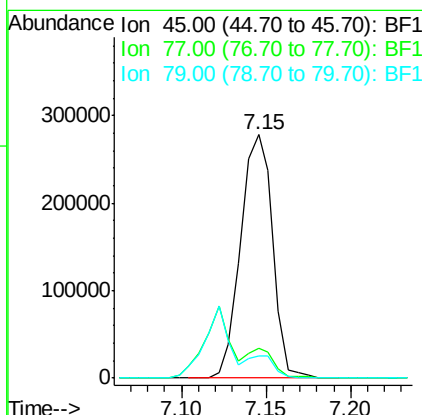
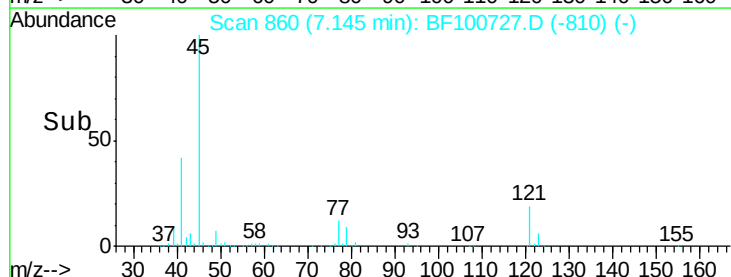
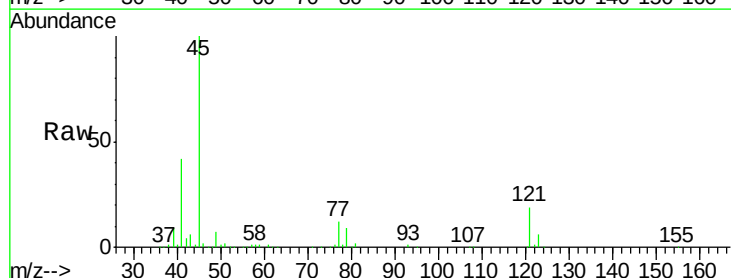
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

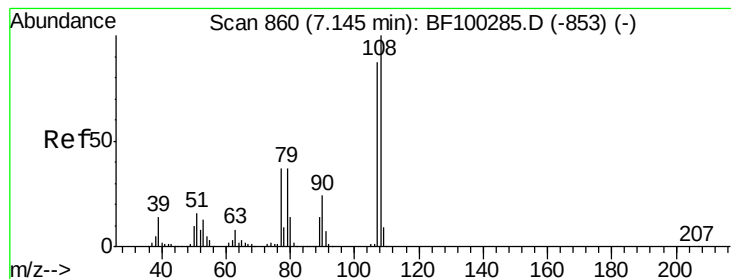
Tgt Ion: 79 Resp: 195301
Ion Ratio Lower Upper
79 100
108 79.8 65.1 97.7
77 61.1 50.6 75.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 35.98 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion: 45 Resp: 365971
Ion Ratio Lower Upper
45 100
77 12.0 0.0 32.9
79 9.0 0.0 29.6

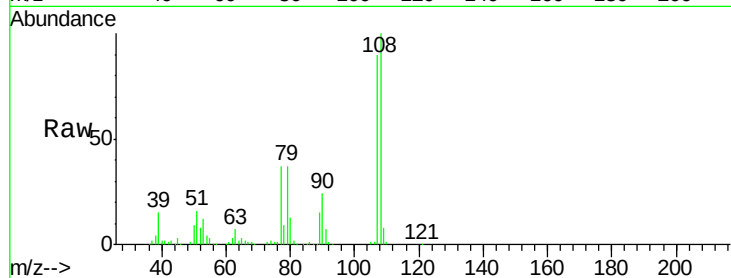




#17
2-Methylphenol
Concen: 36.83 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	111.4	91.7	137.5
77	41.5	33.8	50.8
79	41.6	33.8	50.8



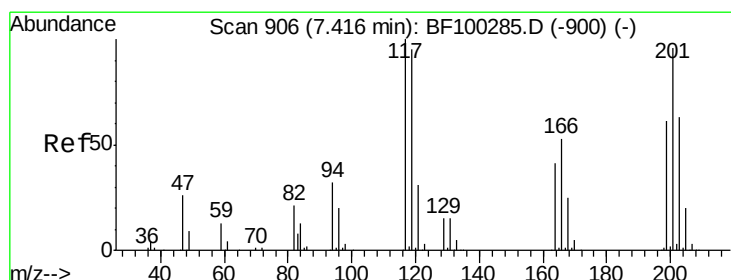
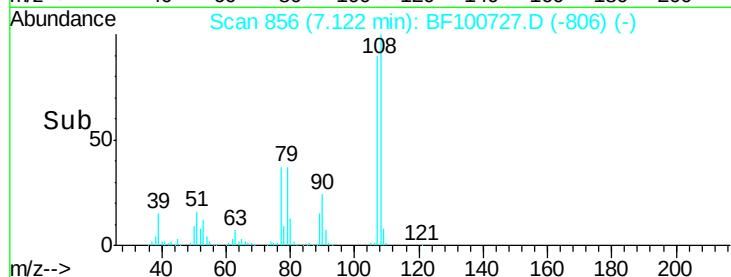
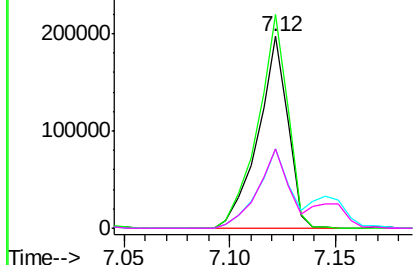
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

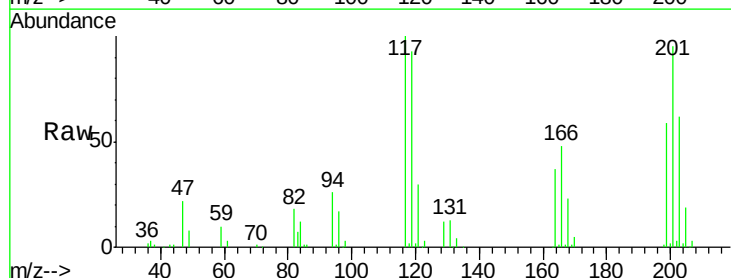
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 37.19 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.8	113.8
201	95.3	75.7	113.5

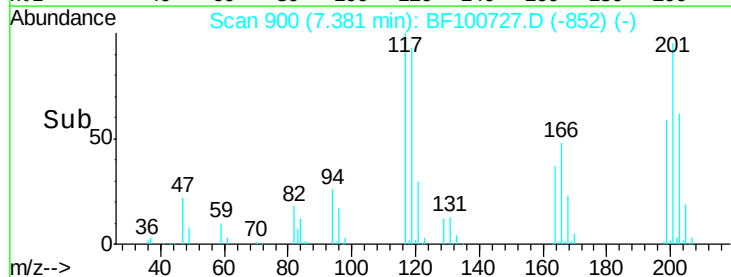
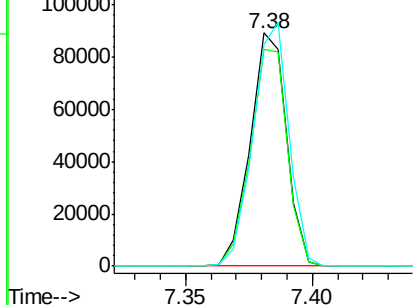


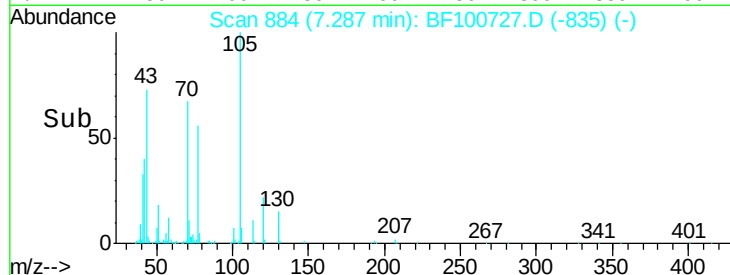
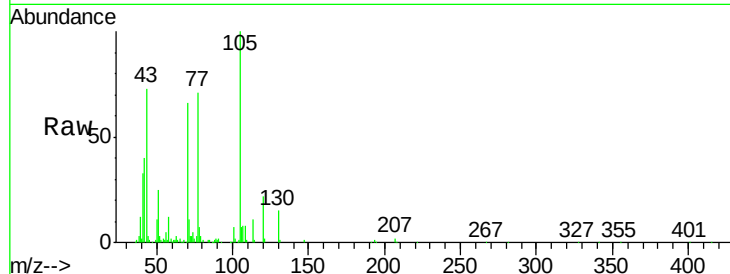
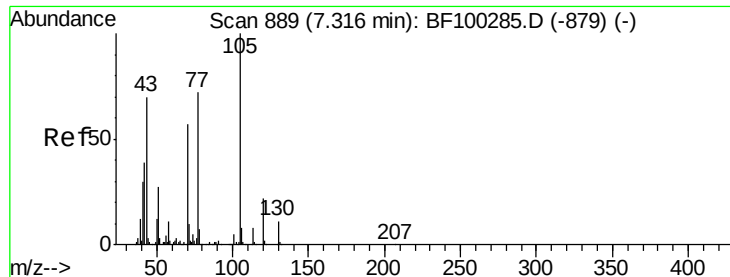
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

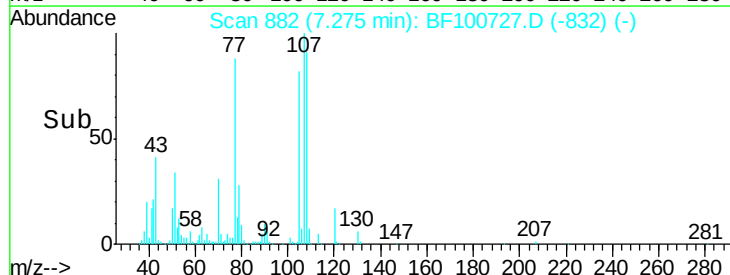
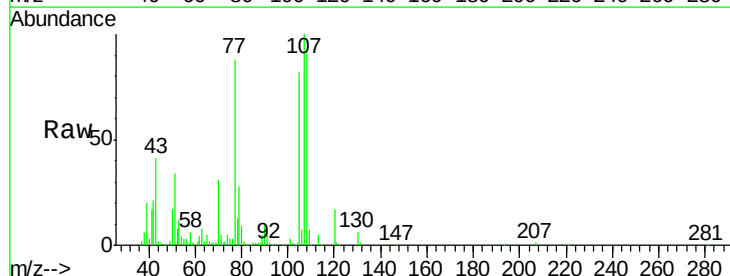
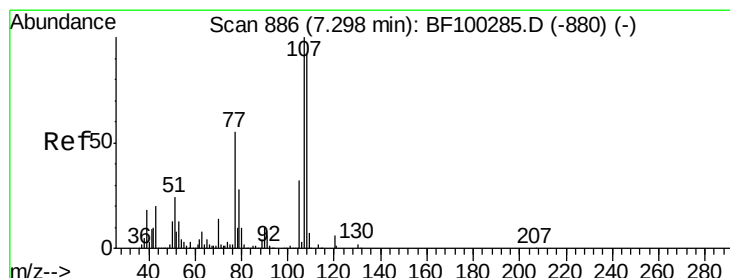
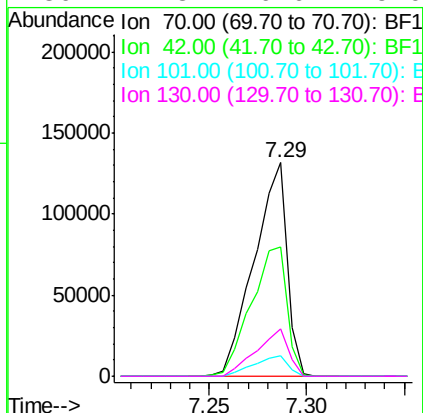




#19
n-Nitroso-di-n-propylamine
Concen: 30.84 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

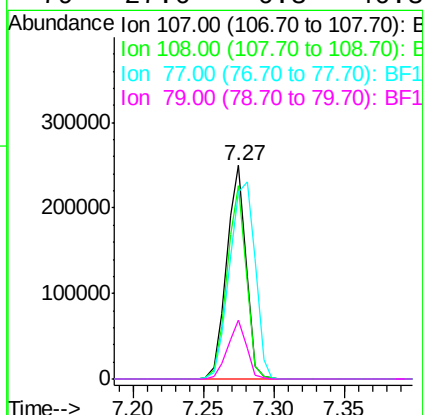
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

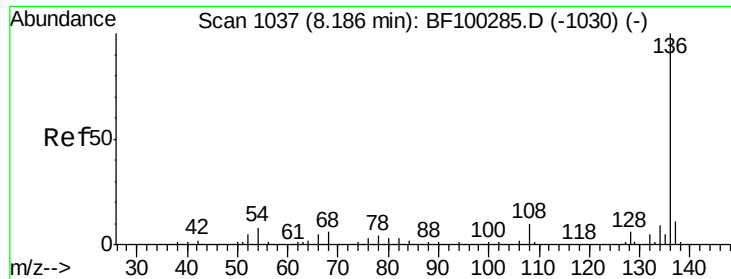
Tgt Ion:	70	Resp:	154240
Ion	Ratio	Lower	Upper
70	100		
42	60.4	47.5	71.3
101	9.8	7.4	11.2
130	22.3	16.6	25.0



#20
3+4-Methylphenols
Concen: 35.76 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion:	107	Resp:	239313
Ion	Ratio	Lower	Upper
107	100		
108	90.6	68.2	108.2
77	87.8	26.7	66.7#
79	27.6	6.3	46.3

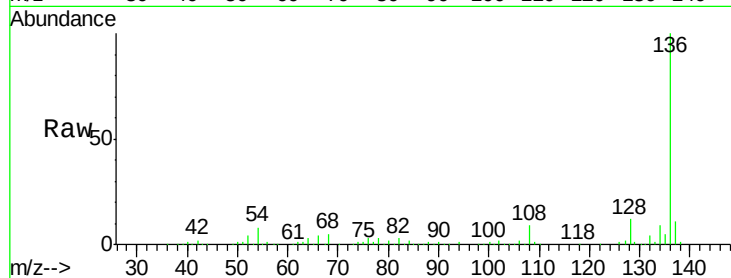




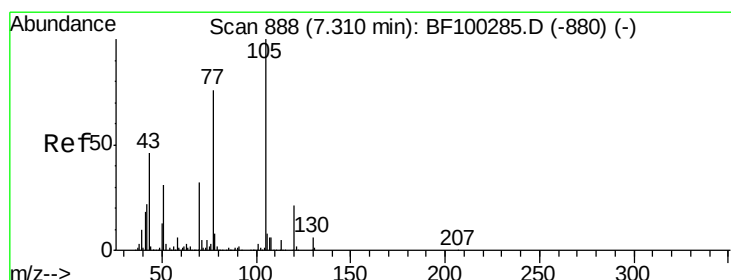
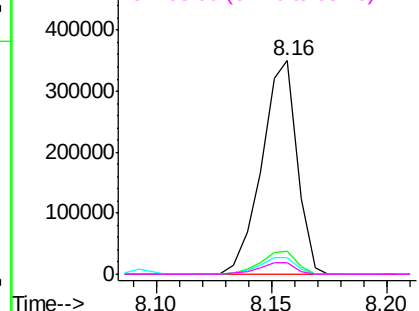
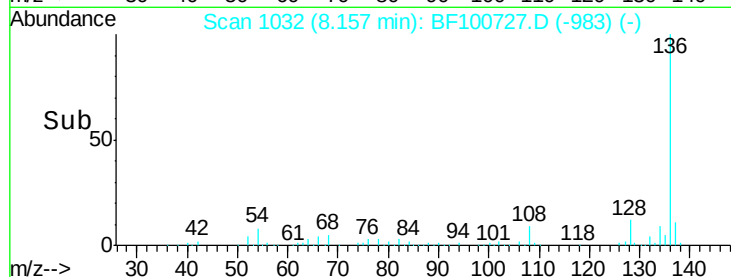
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

Tgt Ion:	136	Resp:	373226
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.7	6.6	9.8
68	5.2	5.0	7.4

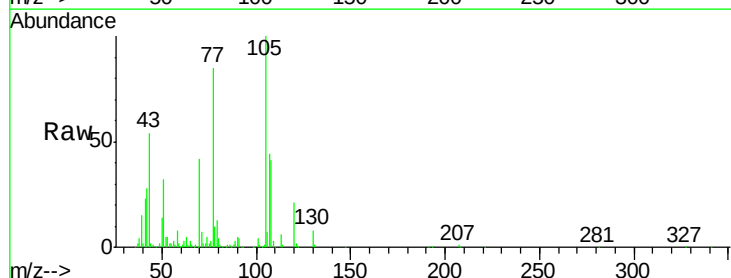


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

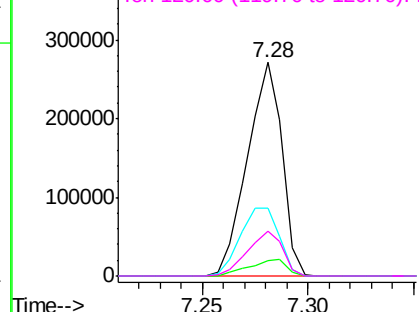
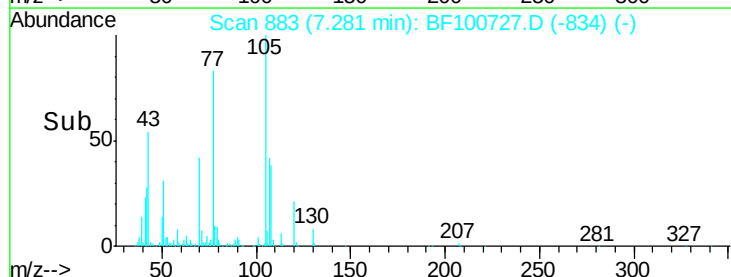


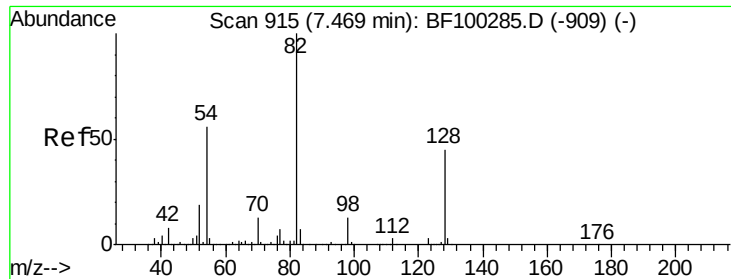
#22
Acetophenone
Concen: 33.92 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion:	105	Resp:	308734
Ion	Ratio	Lower	Upper
105	100		
71	7.3	4.4	6.6#
51	31.8	22.3	33.5
120	20.8	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

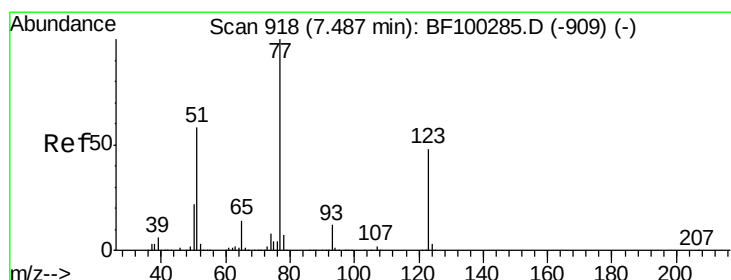
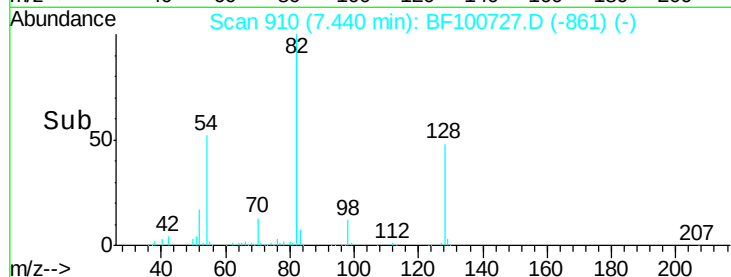
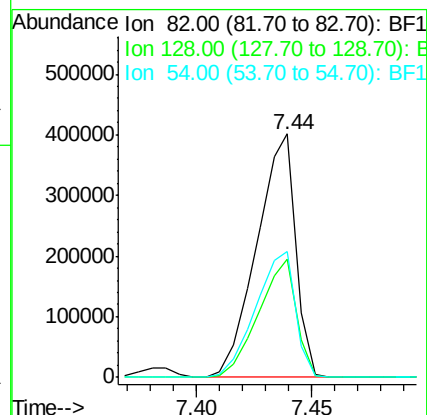
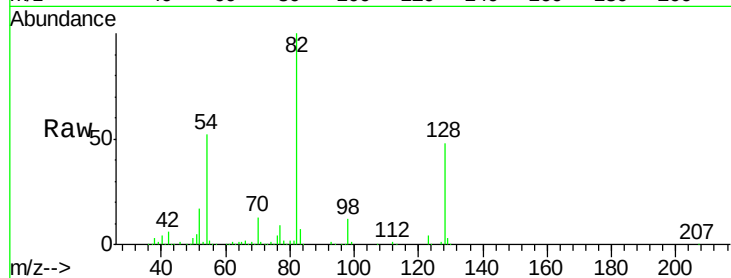




#23
 Nitrobenzene-d5
 Concen: 83.34 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

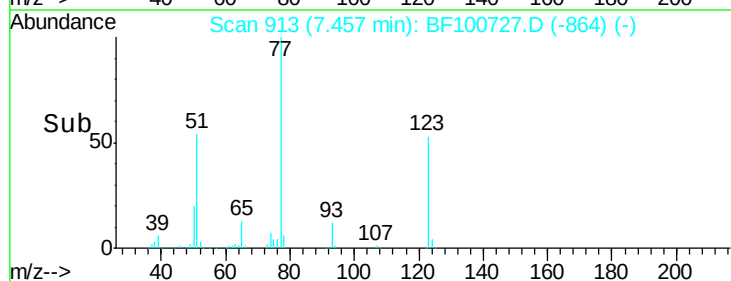
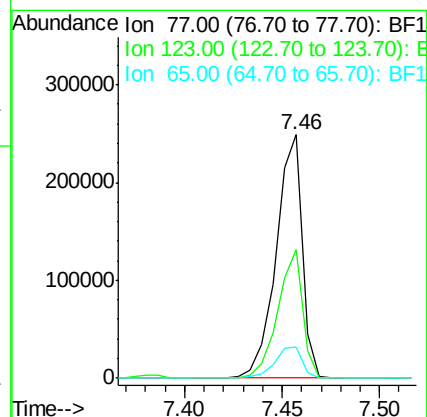
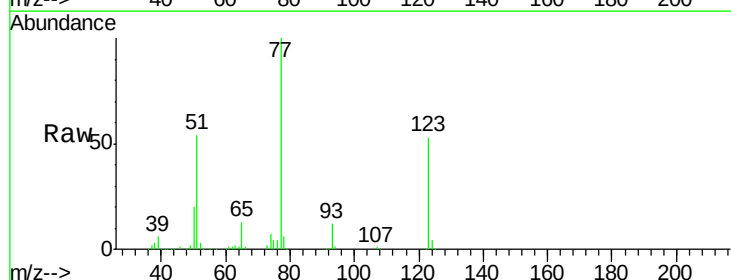
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

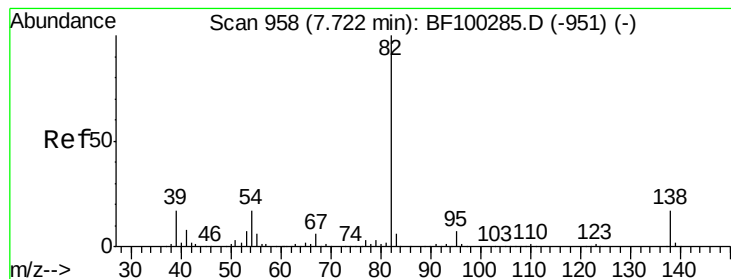
Tgt Ion: 82 Resp: 470500
 Ion Ratio Lower Upper
 82 100
 128 48.3 36.1 54.1
 54 51.8 41.4 62.2



#24
 Nitrobenzene
 Concen: 39.58 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion: 77 Resp: 229976
 Ion Ratio Lower Upper
 77 100
 123 53.0 37.9 56.9
 65 13.0 11.0 16.4





#25

Isophorone

Concen: 36.00 ng

RT: 7.69 min Scan# 953

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

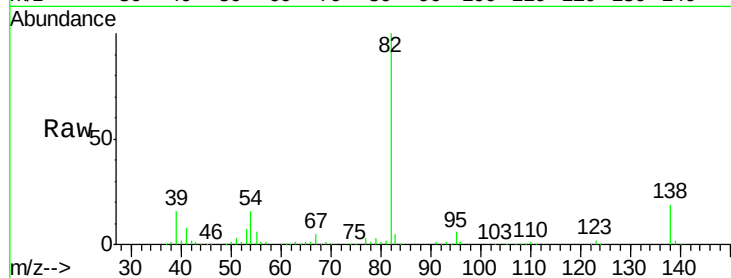
Tgt Ion: 82 Resp: 427070

Ion Ratio Lower Upper

82 100

95 6.5 5.2 7.8

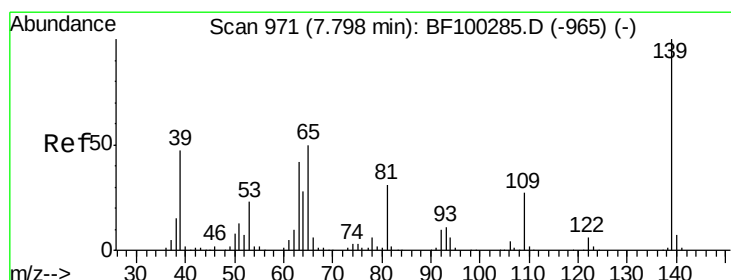
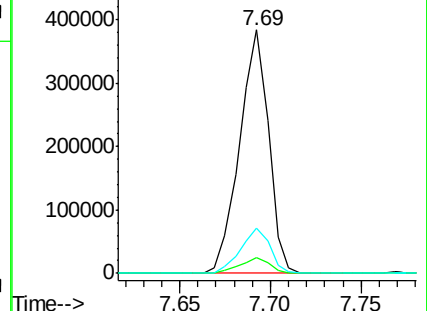
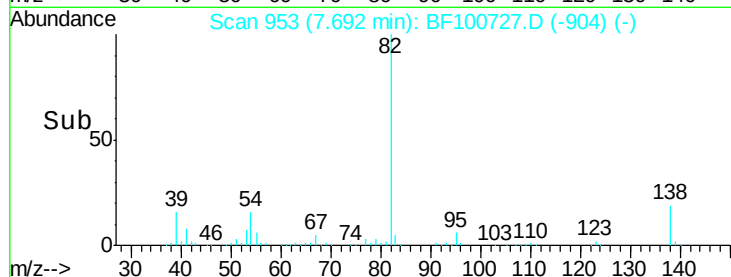
138 18.6 14.9 22.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 47.32 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

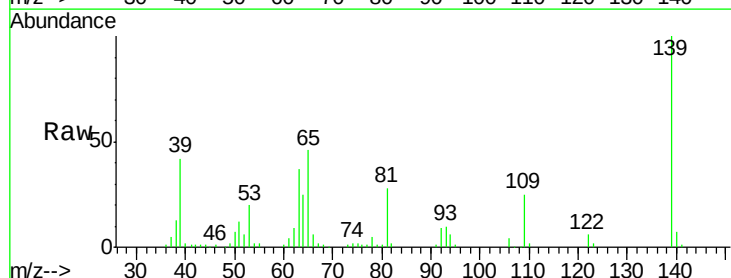
Tgt Ion: 139 Resp: 128684

Ion Ratio Lower Upper

139 100

109 24.9 22.7 34.1

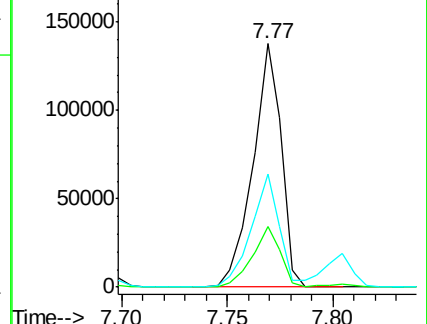
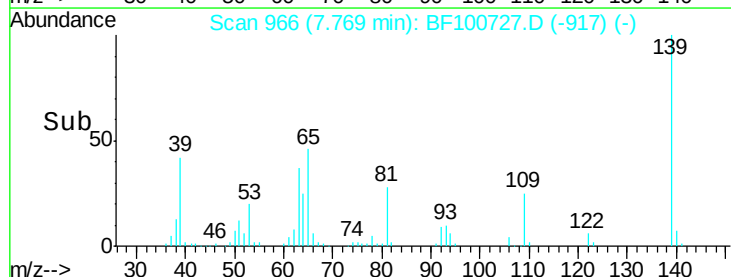
65 46.4 40.5 60.7

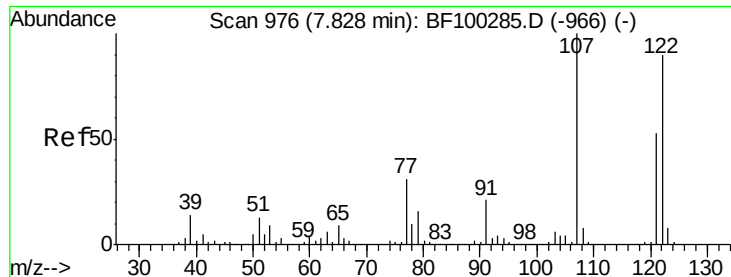


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

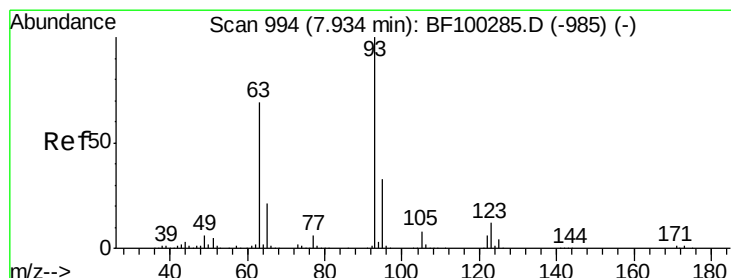
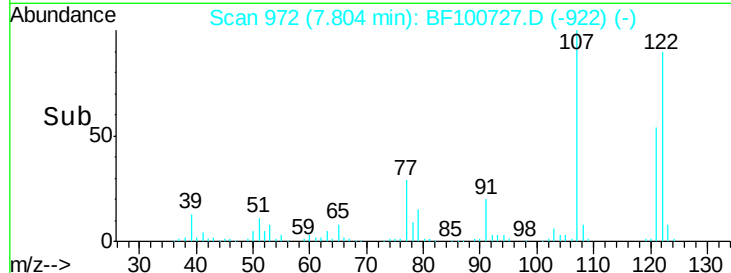
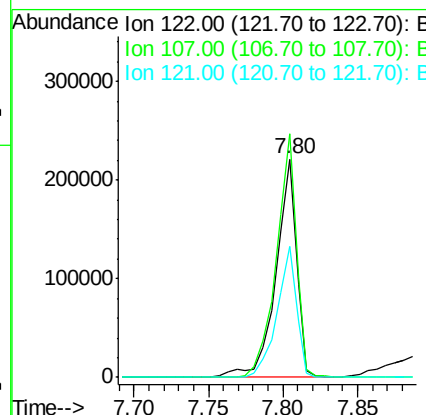
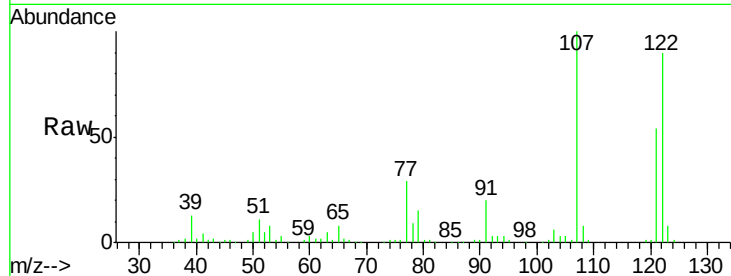




#27
 2,4-Dimethylphenol
 Concen: 40.14 ng
 RT: 7.80 min Scan# 972
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

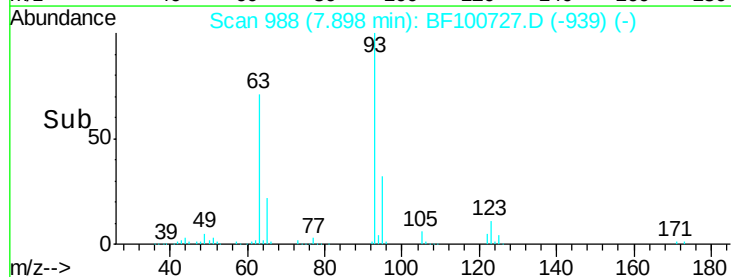
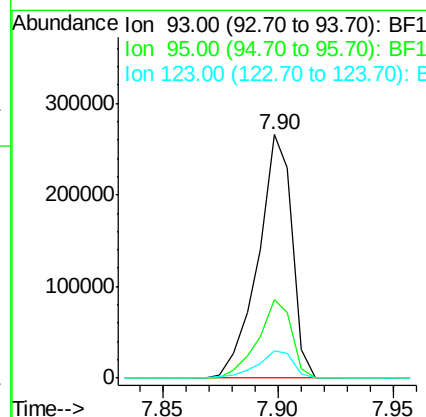
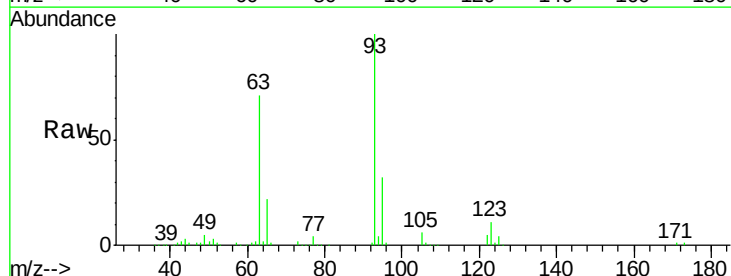
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

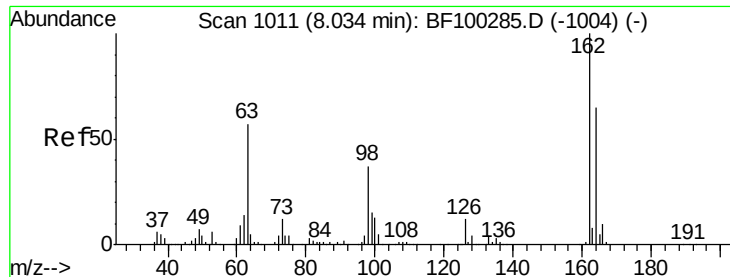
Tgt Ion	Ratio	Lower	Upper
122	100		
107	111.5	91.2	136.8
121	60.2	47.2	70.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 34.98 ng
 RT: 7.90 min Scan# 988
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.3	39.5
123	11.3	9.8	14.6

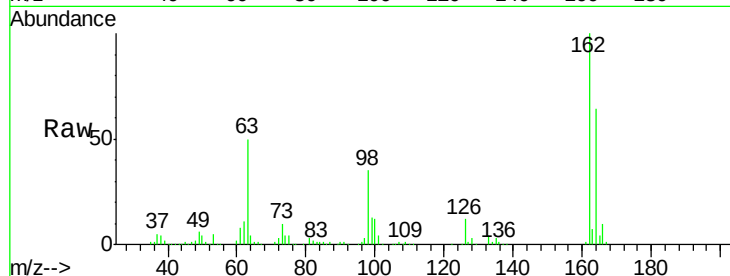




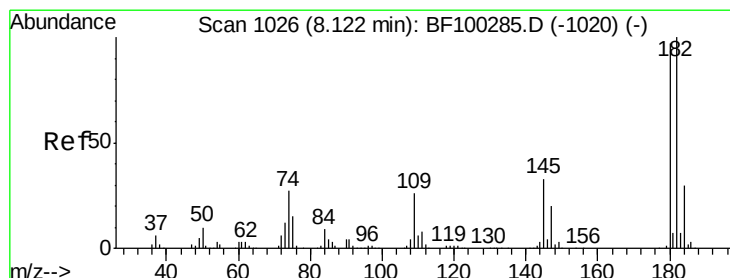
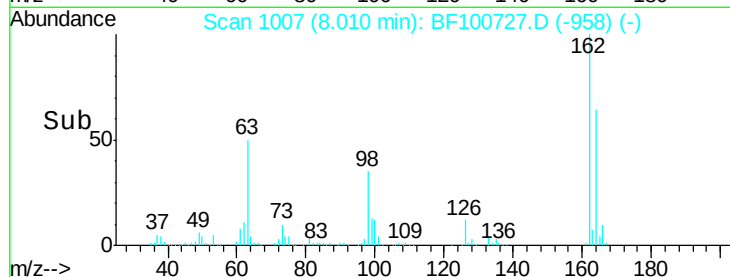
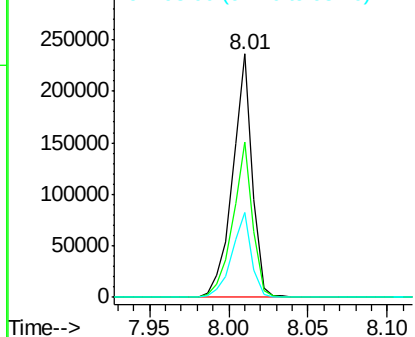
#29
 2,4-Dichlorophenol
 Concen: 39.94 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.0	42.7	82.7
98	34.6	18.1	58.1

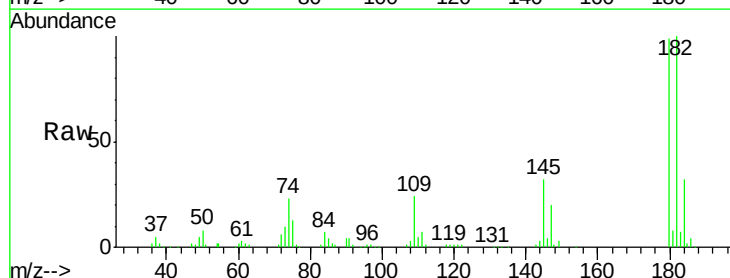


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

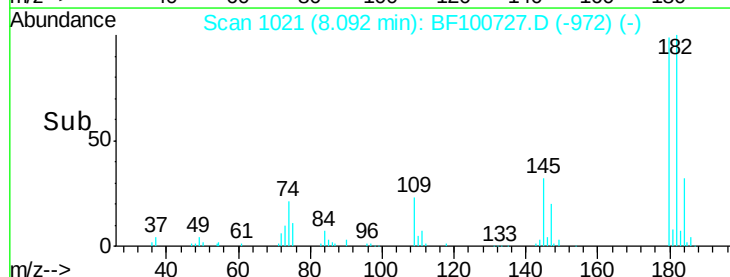
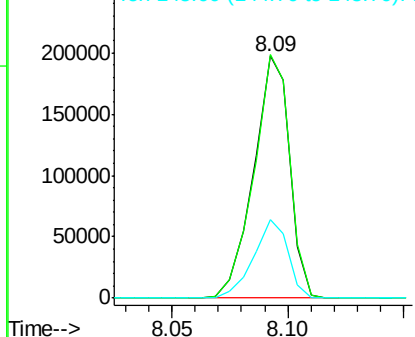


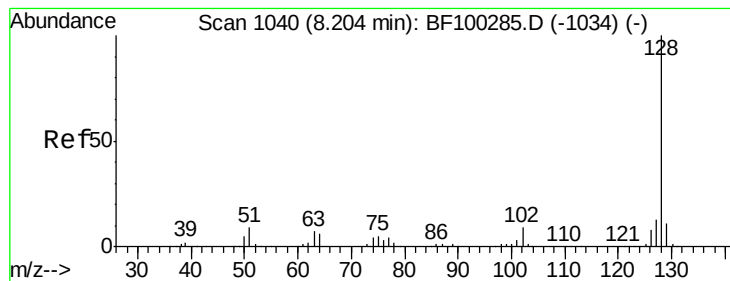
#30
 1,2,4-Trichlorobenzene
 Concen: 38.99 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	76.8	115.2
145	32.7	26.5	39.7



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 36.96 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

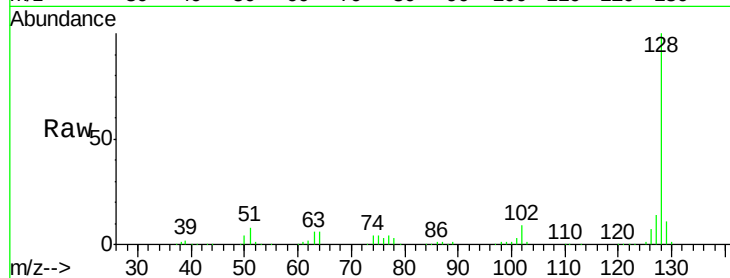
Tgt Ion:128 Resp: 664406

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

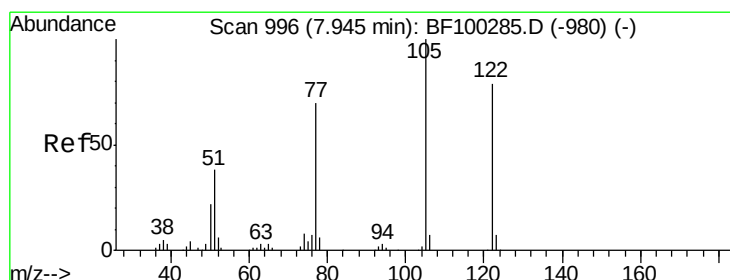
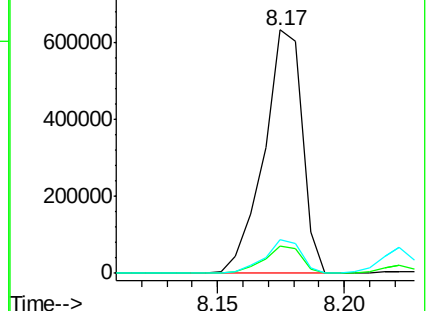
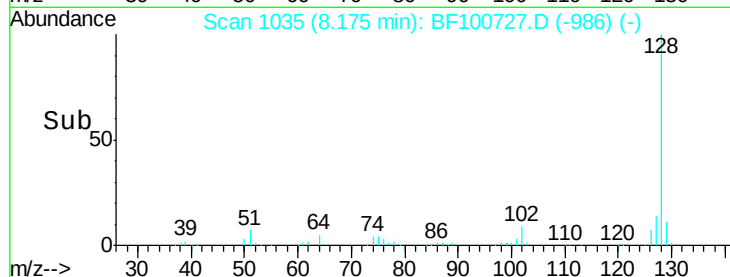
127 13.6 10.9 16.3



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: 17.98 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.04 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

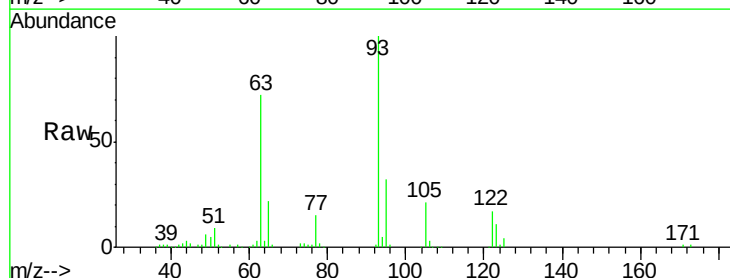
Tgt Ion:122 Resp: 43563

Ion Ratio Lower Upper

122 100

105 125.5 101.1 141.1

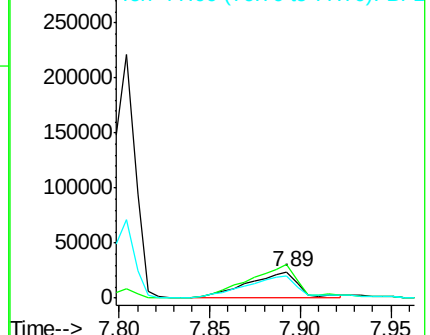
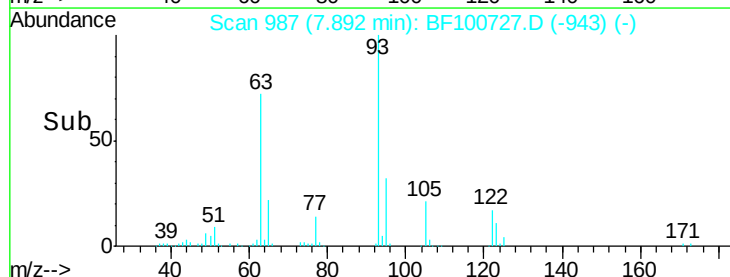
77 85.7 70.7 110.7

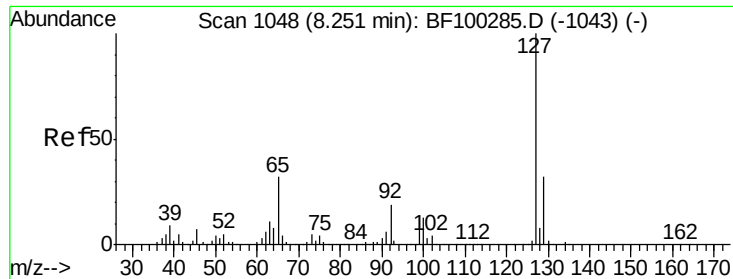


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

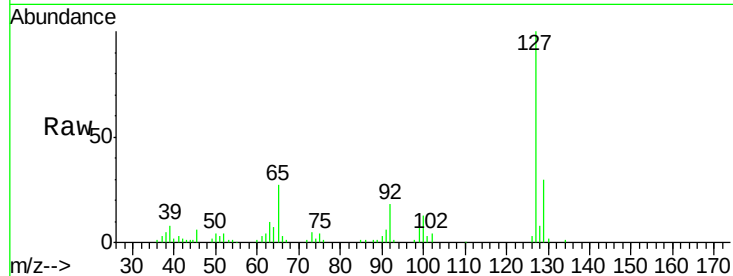




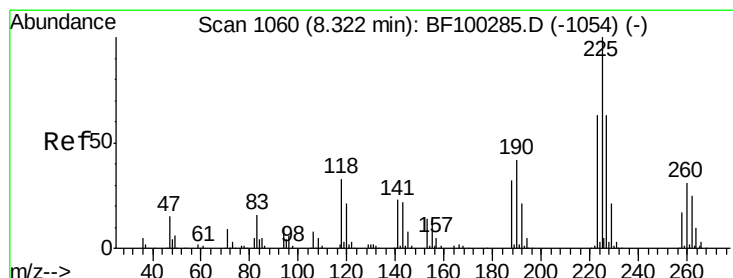
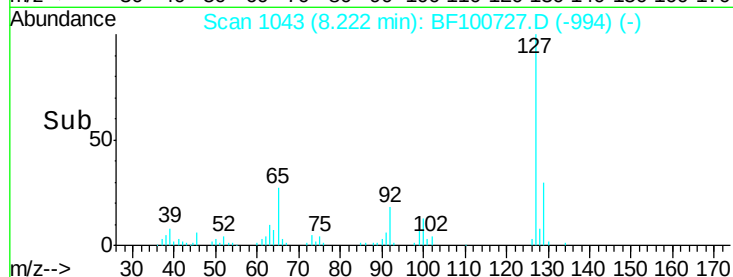
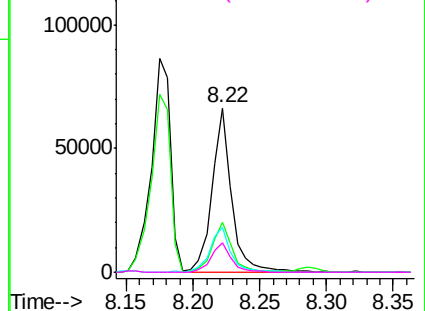
#33
4-Chloroaniline
Concen: 9.10 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

Tgt Ion:	127	Resp:	68096
Ion	Ratio	Lower	Upper
127	100		
129	30.3	25.9	38.9
65	27.0	25.0	37.4
92	17.8	15.2	22.8

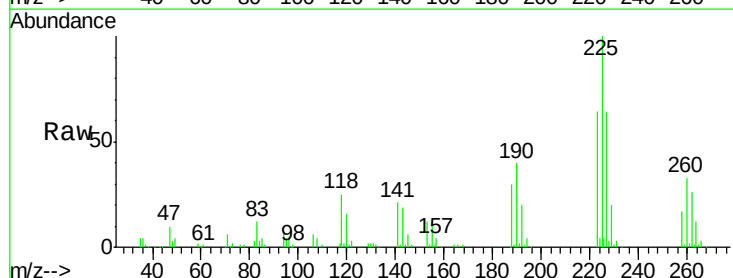


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

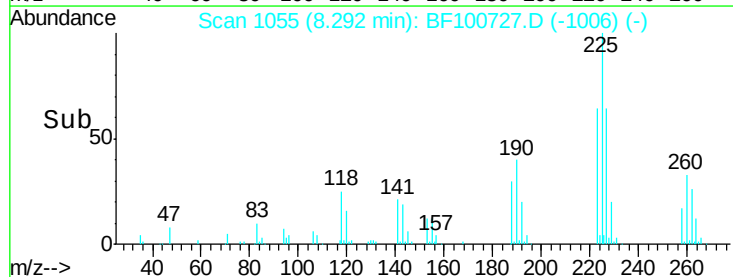
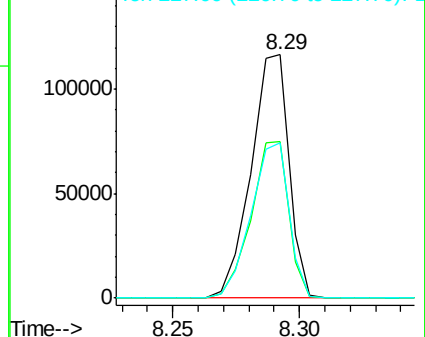


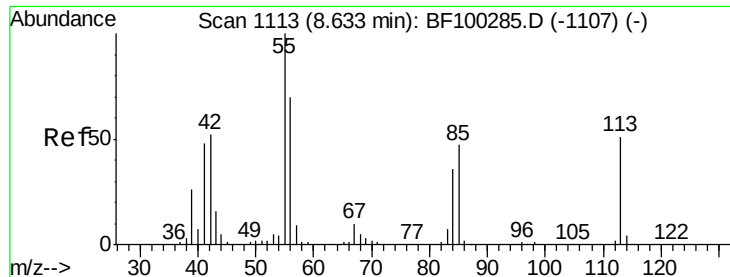
#34
Hexachlorobutadiene
Concen: 37.46 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion:	225	Resp:	122306
Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.6	76.0
227	63.5	51.9	77.9



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

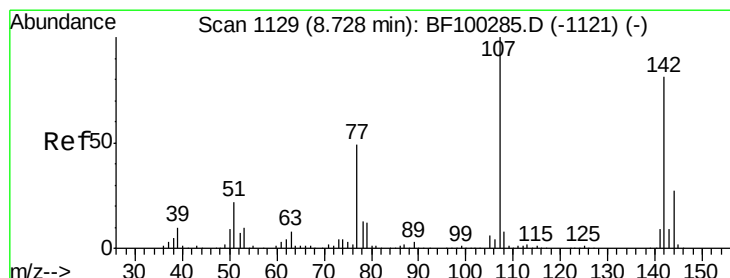
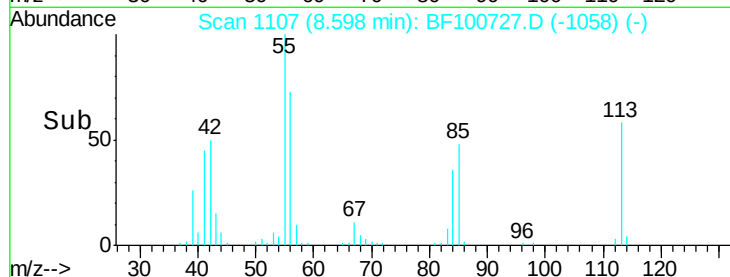
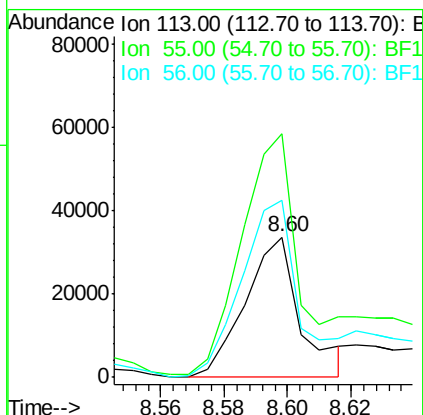
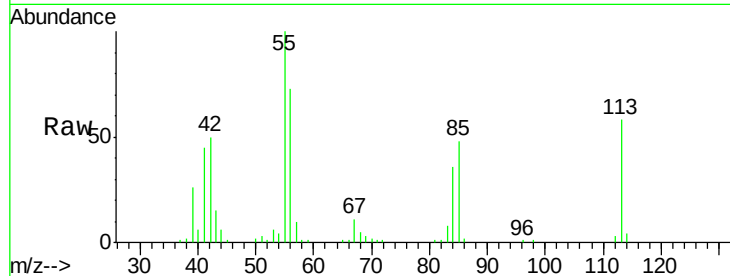




#35
 Caprolactam
 Concen: 23.37 ng
 RT: 8.60 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

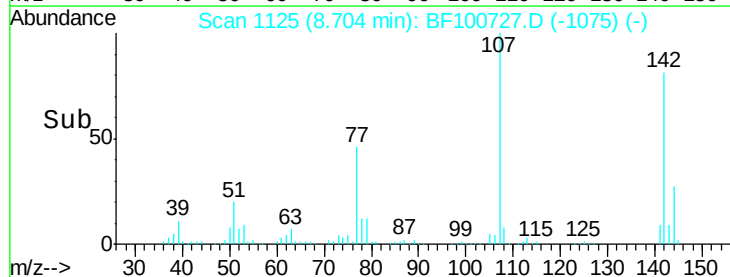
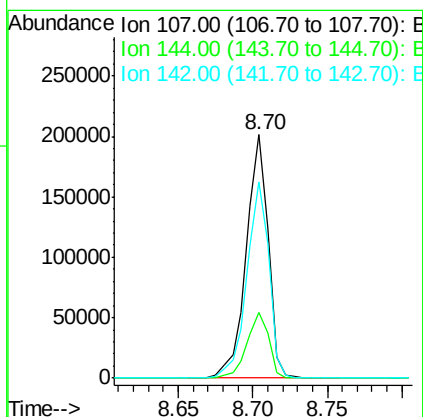
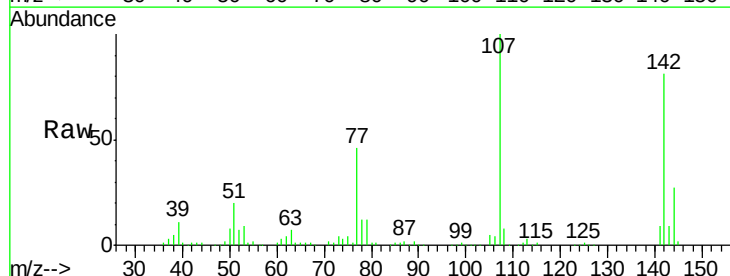
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

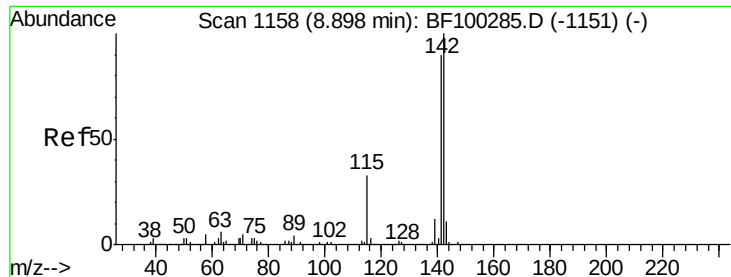
Tgt Ion:113 Resp: 40722
 Ion Ratio Lower Upper
 113 100
 55 173.9 163.3 203.3
 56 126.6 115.7 155.7



#36
 4-Chloro-3-methylphenol
 Concen: 37.32 ng
 RT: 8.70 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion:107 Resp: 203471
 Ion Ratio Lower Upper
 107 100
 144 27.0 20.5 30.7
 142 80.6 62.0 93.0

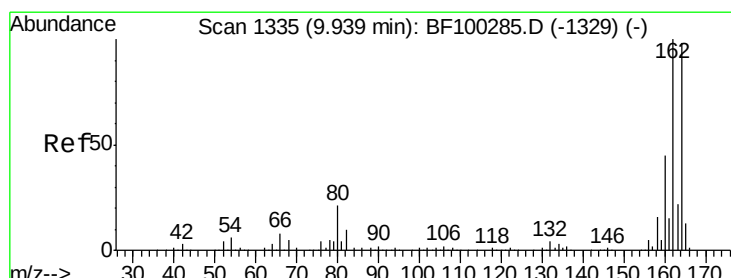
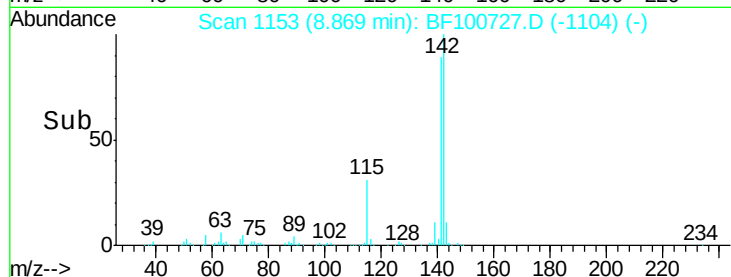
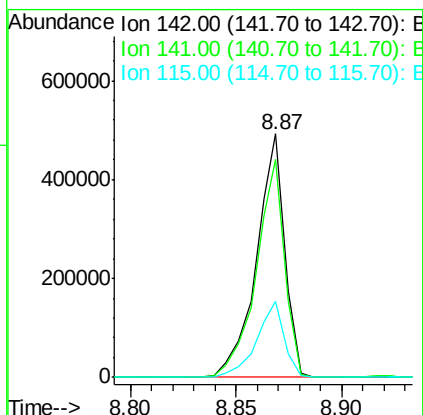
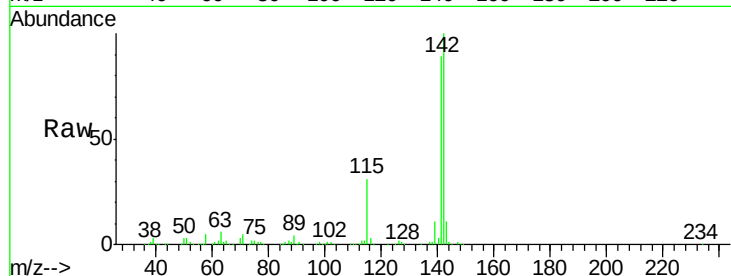




#37
 2-Methylnaphthalene
 Concen: 38.39 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

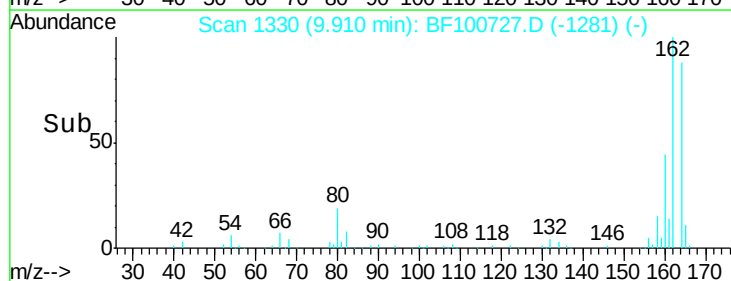
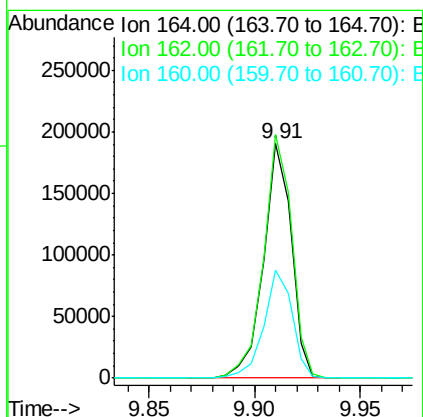
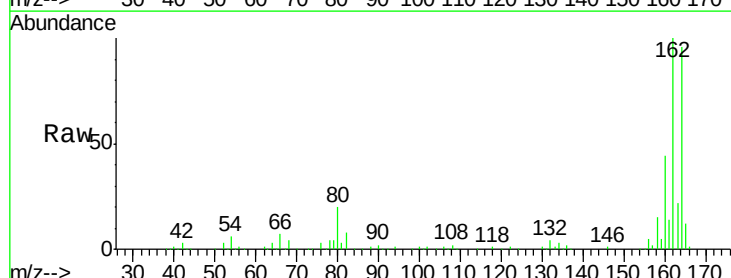
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

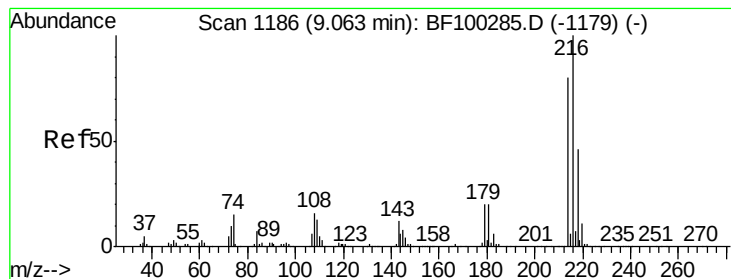
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.8	106.2
115	31.2	26.1	39.1



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	46.1	38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.26 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

Tgt Ion:216 Resp: 217211

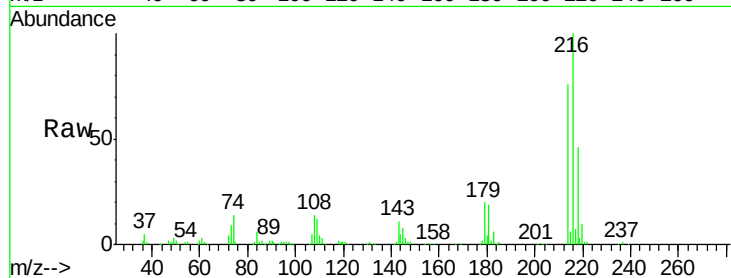
Ion Ratio Lower Upper

216 100

214 77.7 63.0 94.4

179 20.2 18.1 27.1

108 16.7 17.2 25.8#

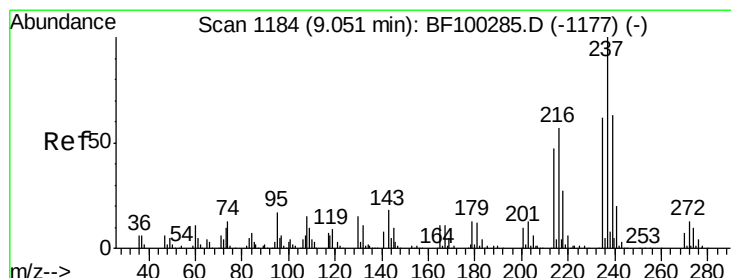
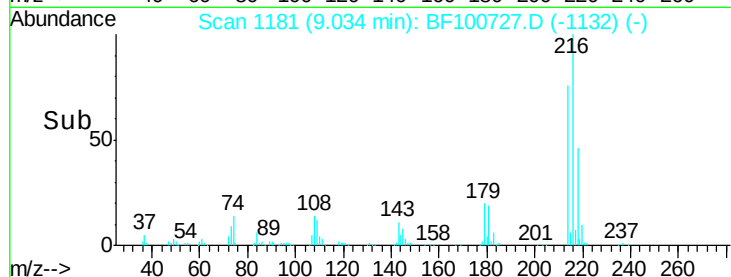
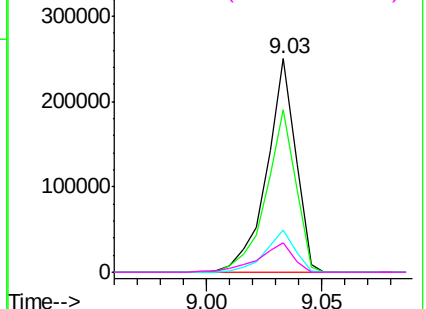


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 71.67 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

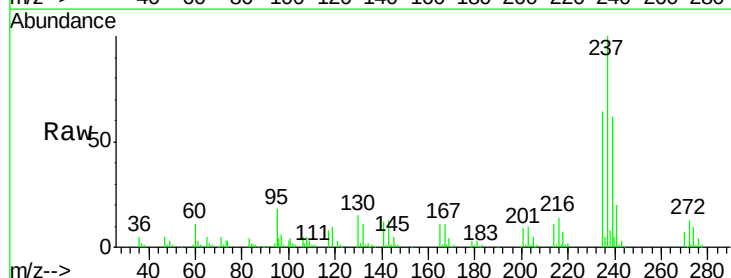
Tgt Ion:237 Resp: 196642

Ion Ratio Lower Upper

237 100

235 64.0 44.8 84.8

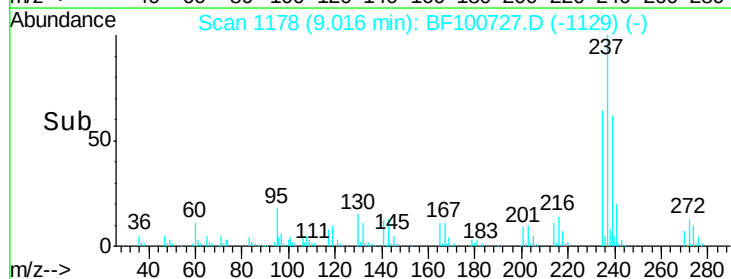
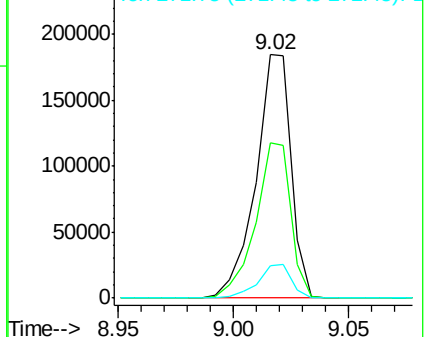
272 13.2 0.0 33.3

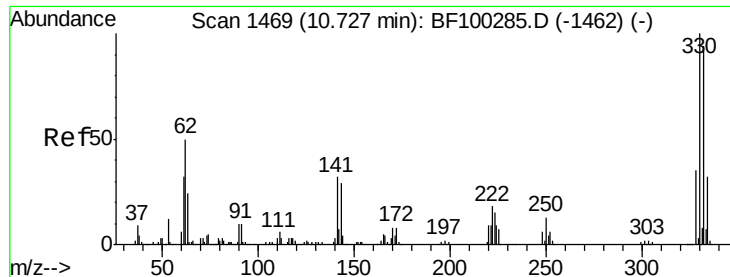


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

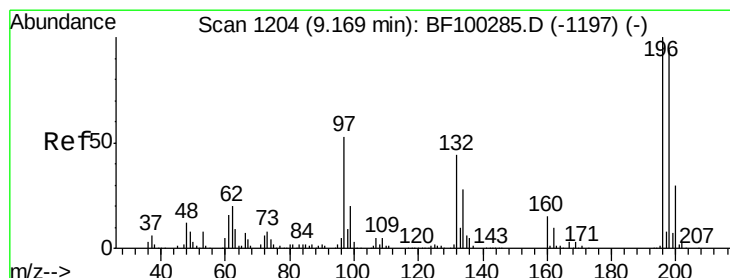
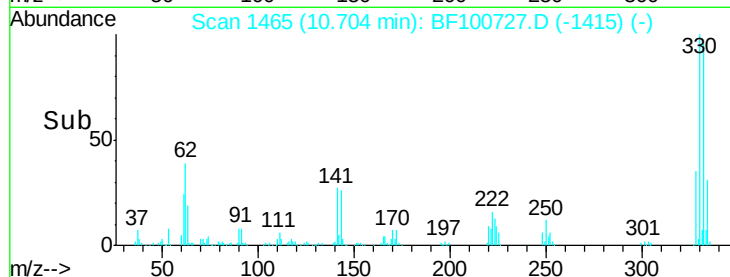
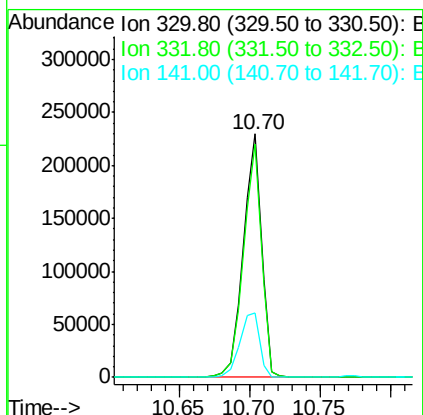
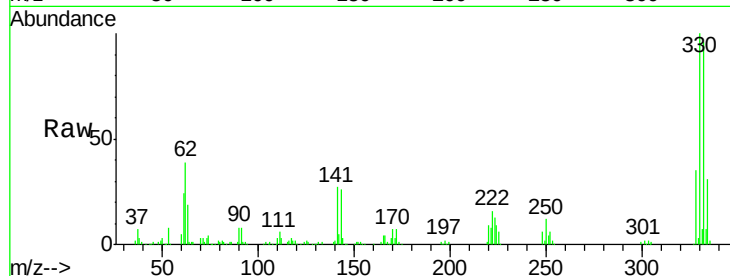




#41
 2,4,6-Tribromophenol
 Concen: 115.79 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

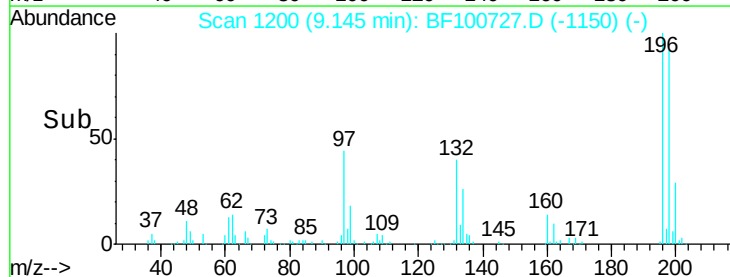
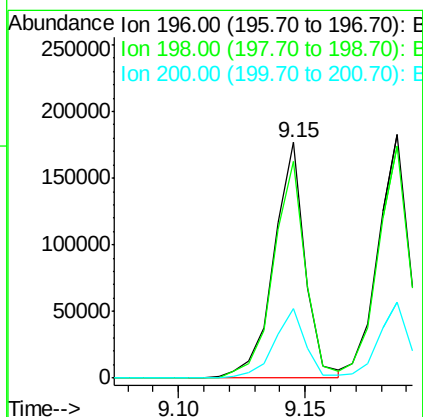
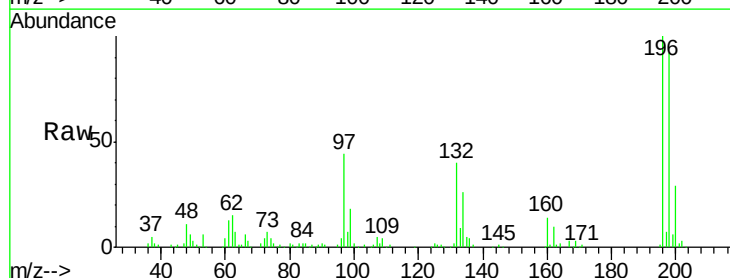
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

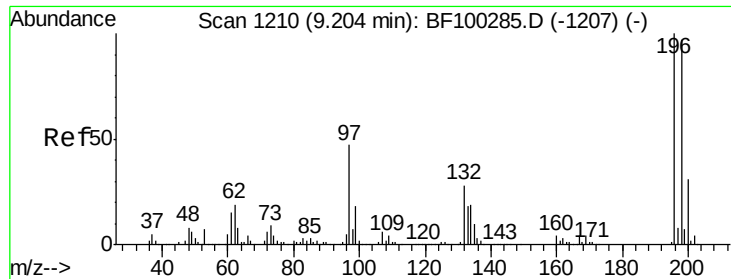
Tgt Ion:330 Resp: 207400
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 29.0 29.9 44.9#



#42
 2,4,6-Trichlorophenol
 Concen: 41.28 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion:196 Resp: 152539
 Ion Ratio Lower Upper
 196 100
 198 91.7 75.7 113.5
 200 29.3 24.5 36.7

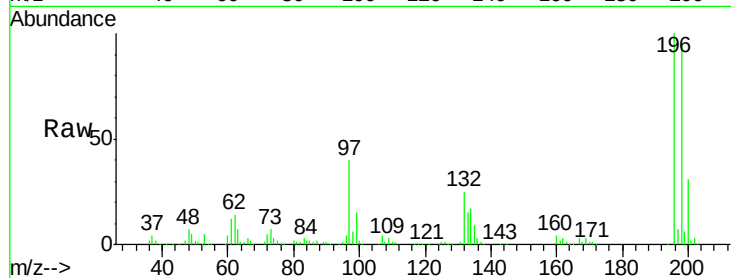




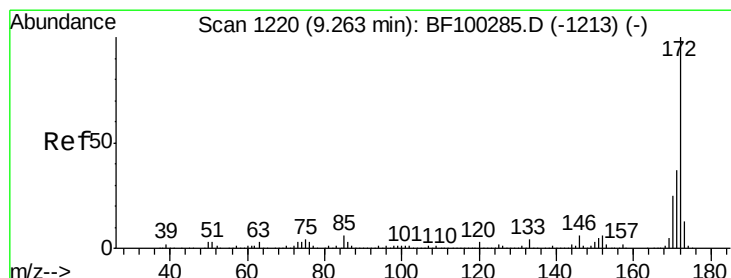
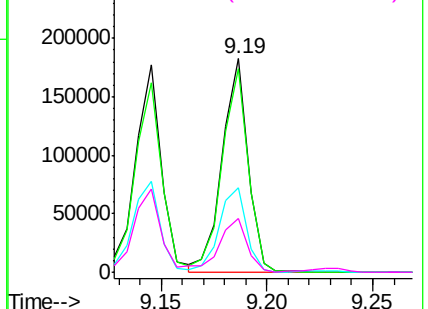
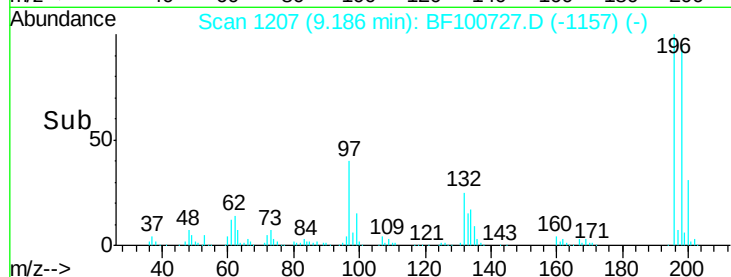
#43
 2,4,5-Trichlorophenol
 Concen: 40.35 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

Tgt Ion:196 Resp: 154481
 Ion Ratio Lower Upper
 196 100
 198 95.2 74.6 112.0
 97 39.7 42.9 64.3#
 132 24.9 26.3 39.5#

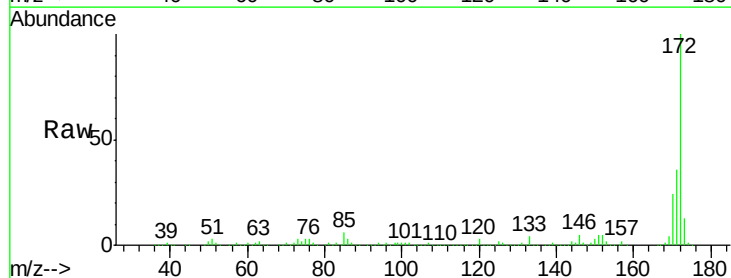


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

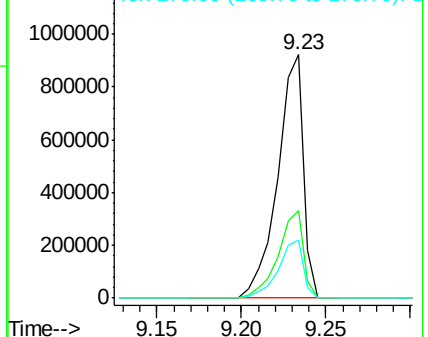
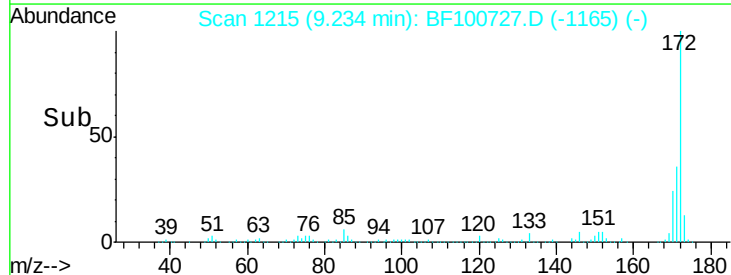


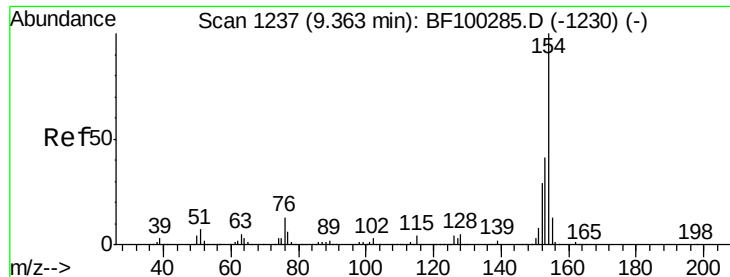
#44
 2-Fluorobiphenyl
 Concen: 84.58 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion:172 Resp: 976348
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.7 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

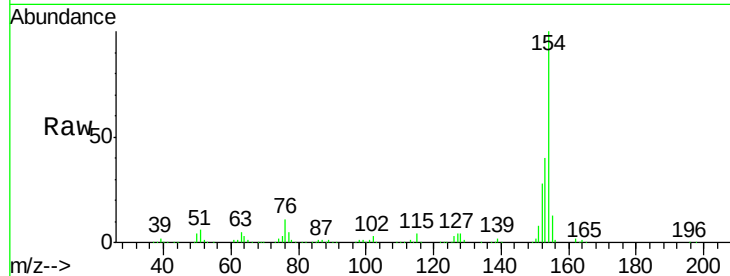




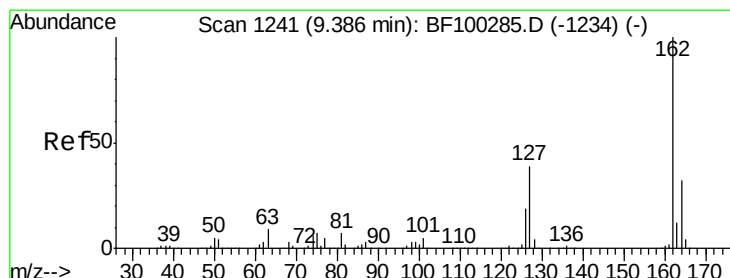
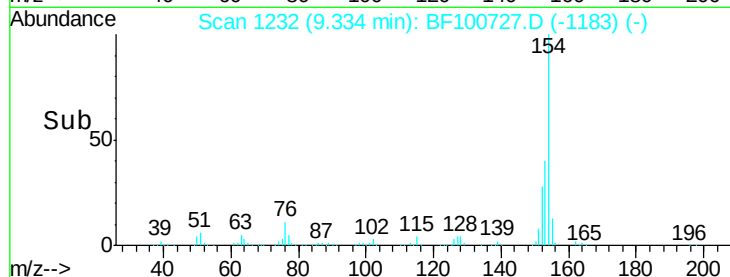
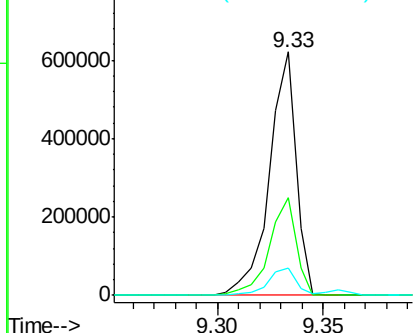
#45
 1,1'-Biphenyl
 Concen: 36.03 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.3	61.3
76	11.0	0.0	34.0

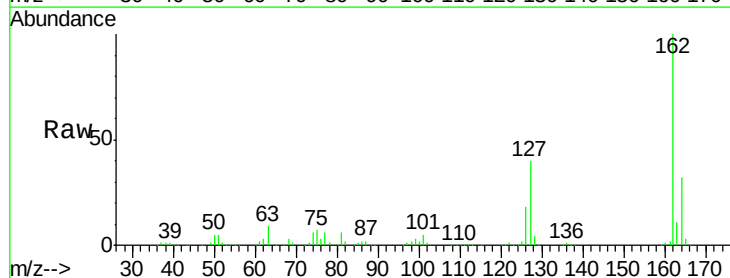


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

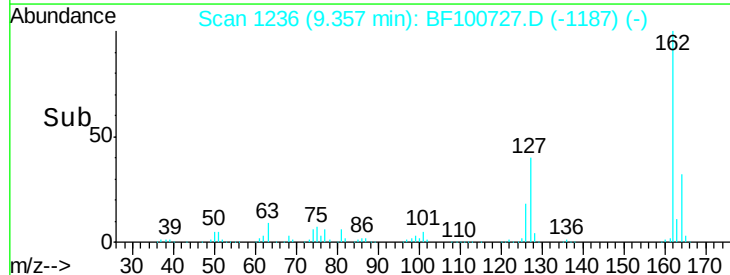
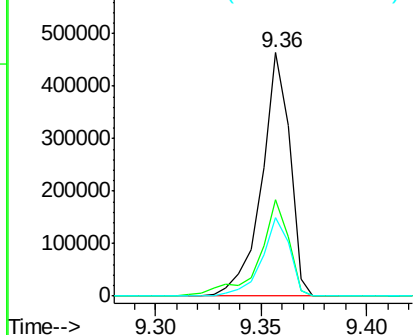


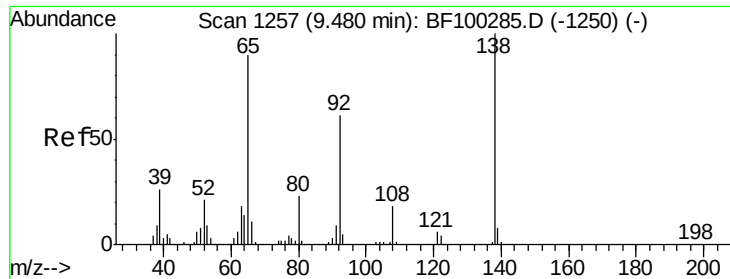
#46
 2-Chloronaphthalene
 Concen: 38.89 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.7	33.9	50.9
164	32.4	26.5	39.7



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





#47

2-Nitroaniline

Concen: 38.69 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

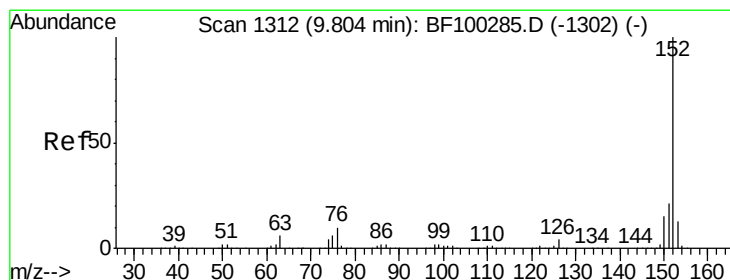
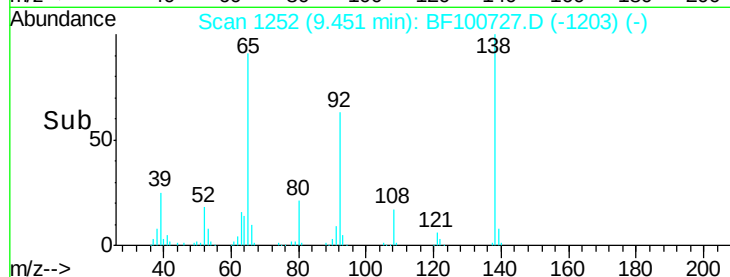
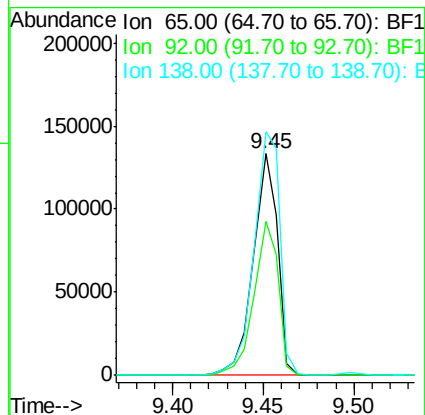
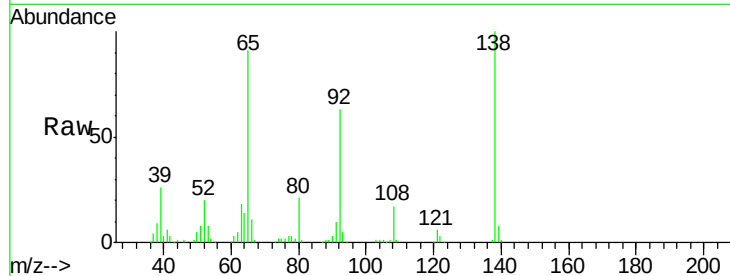
Tgt Ion: 65 Resp: 124211

Ion Ratio Lower Upper

65 100

92 69.5 55.8 83.6

138 109.8 91.2 136.8



#48

Acenaphthylene

Concen: 35.82 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

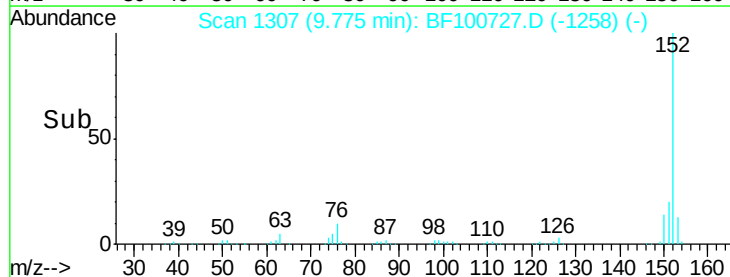
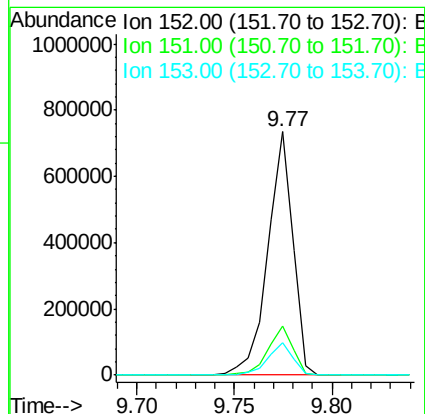
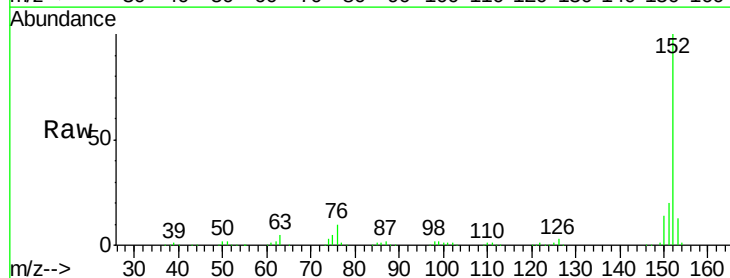
Tgt Ion: 152 Resp: 654816

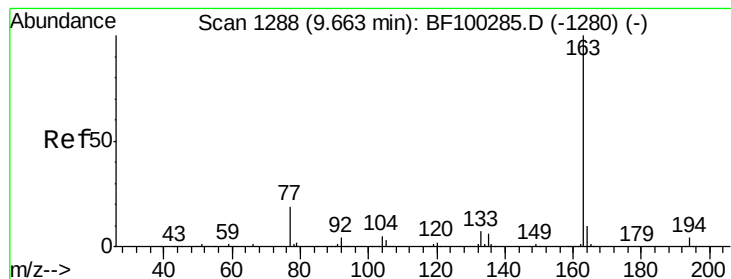
Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

153 13.1 10.7 16.1





#49

Dimethylphthalate

Concen: 36.41 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

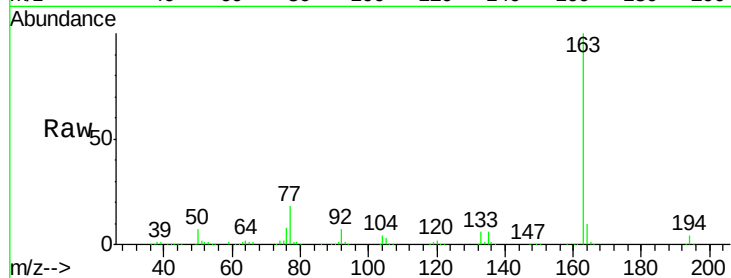
Tgt Ion:163 Resp: 488660

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

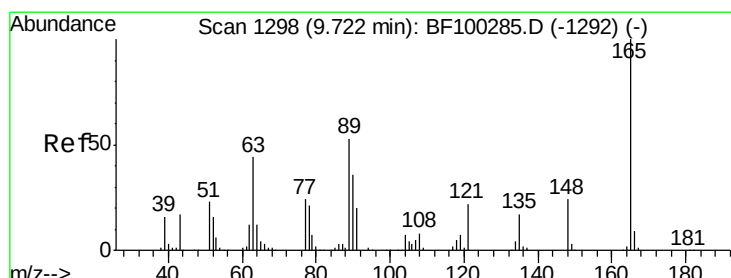
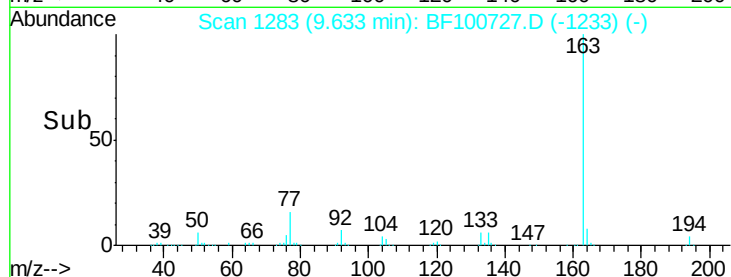
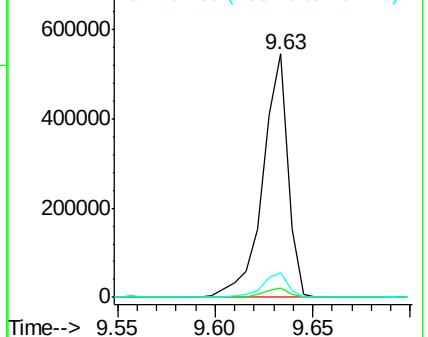
164 10.0 8.2 12.2



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: 41.65 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

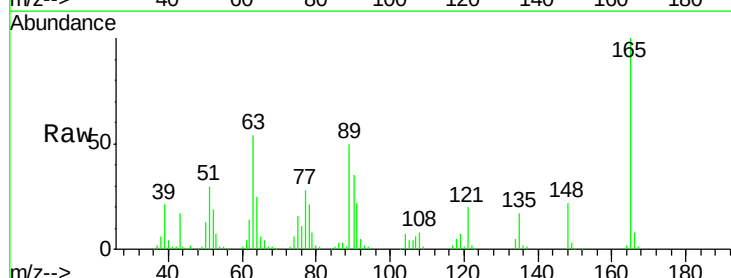
Tgt Ion:165 Resp: 110660

Ion Ratio Lower Upper

165 100

63 53.7 44.7 67.1

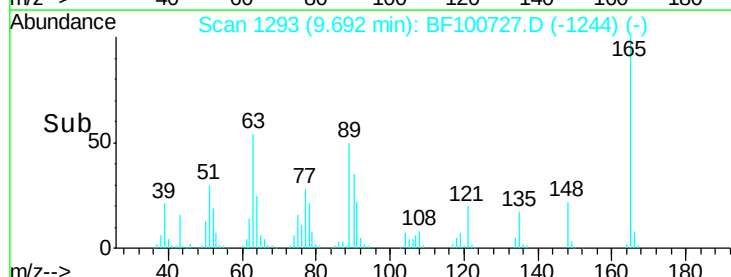
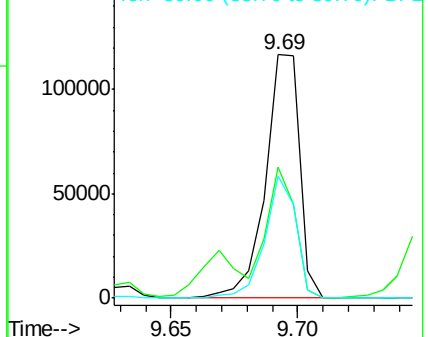
89 50.3 44.0 66.0

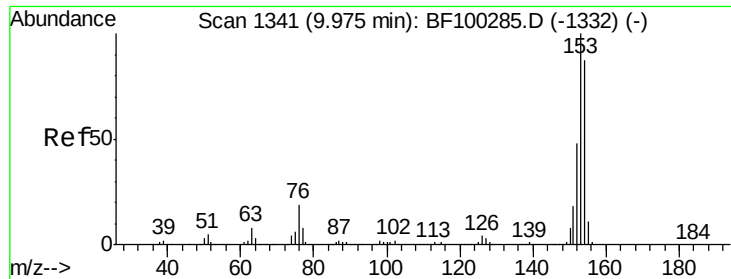


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 35.93 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

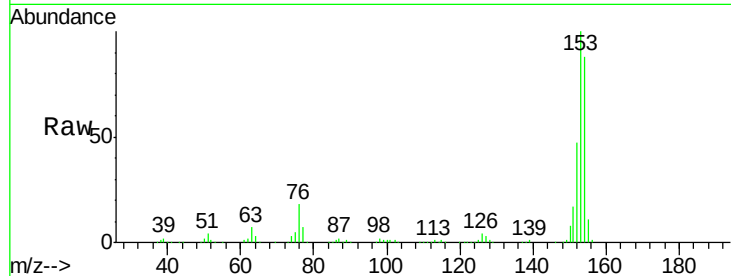
Tgt Ion:154 Resp: 399464

Ion Ratio Lower Upper

154 100

153 113.0 91.2 136.8

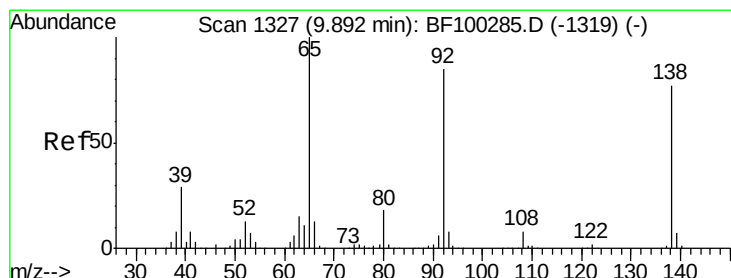
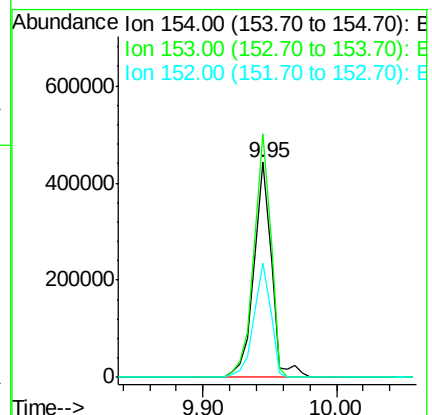
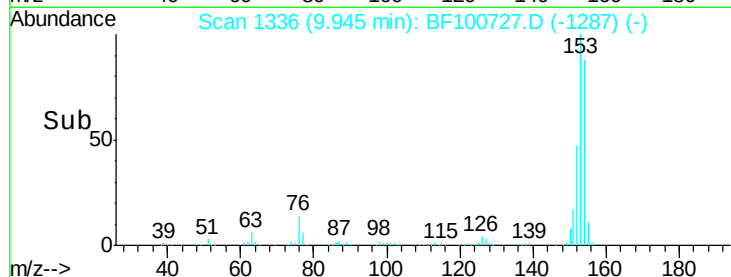
152 53.1 43.8 65.8



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: 19.54 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

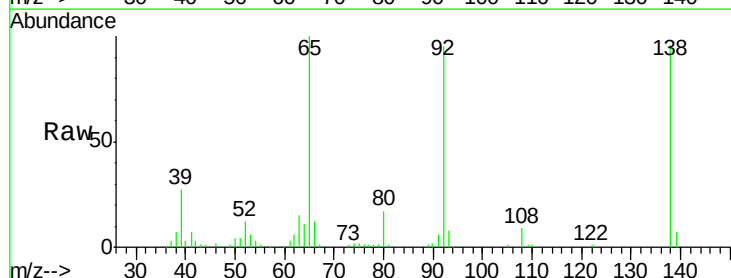
Tgt Ion:138 Resp: 61305

Ion Ratio Lower Upper

138 100

108 9.8 9.4 14.0

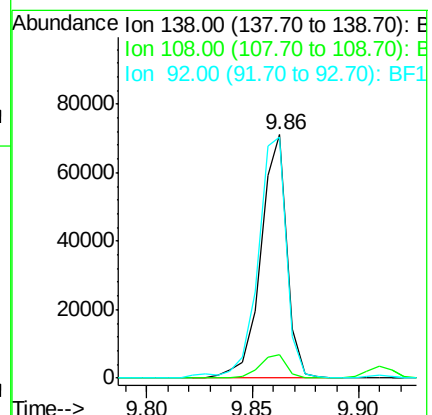
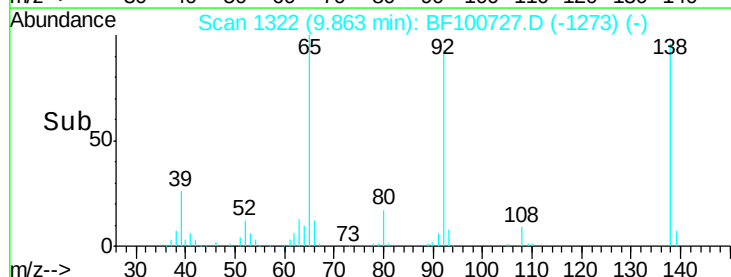
92 98.9 89.4 134.2

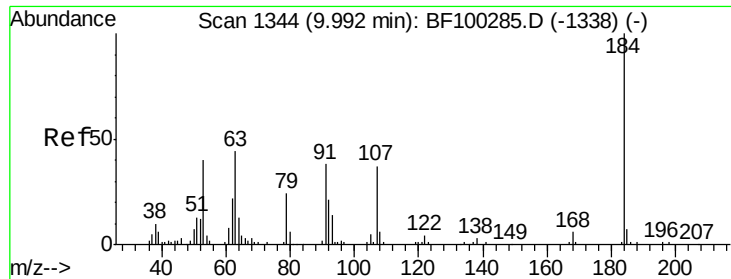


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

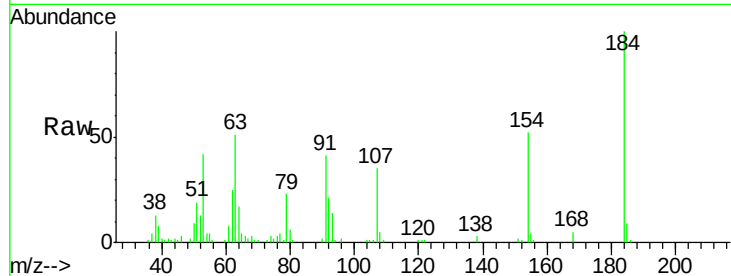




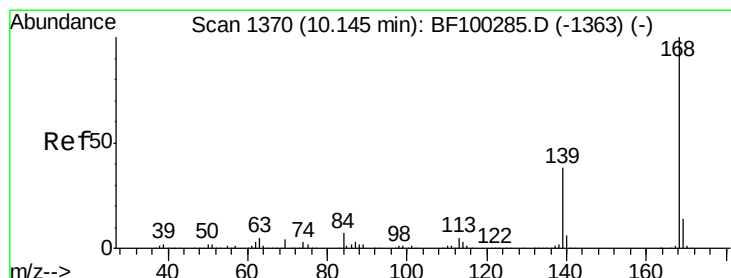
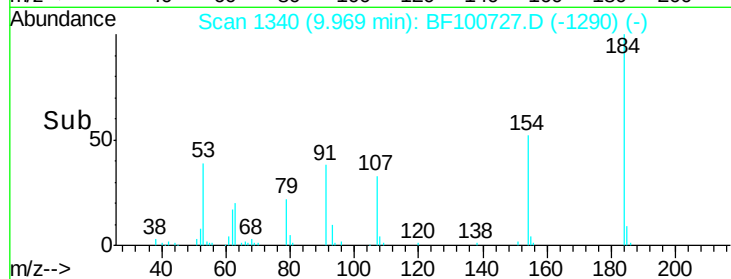
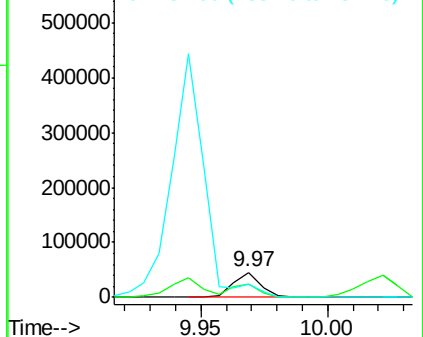
#53
2,4-Dinitrophenol
Concen: 41.50 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

Tgt Ion:184 Resp: 35255
Ion Ratio Lower Upper
184 100
63 51.0 54.2 81.2#
154 52.2 184.0 276.0#

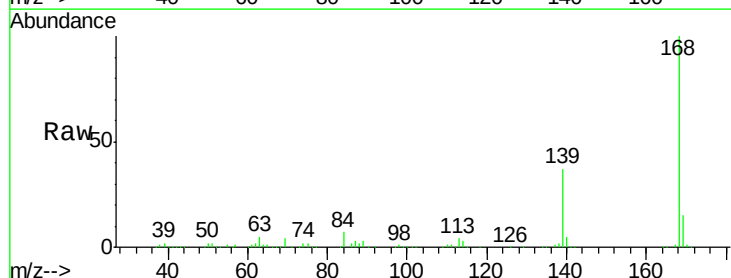


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

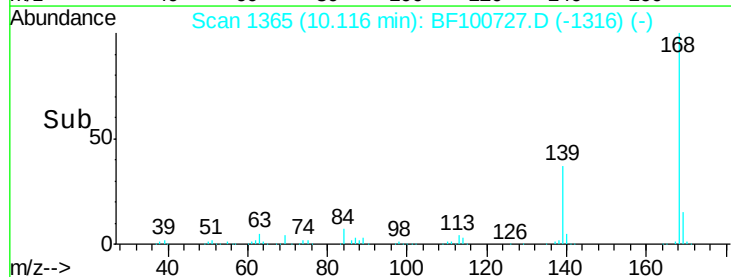
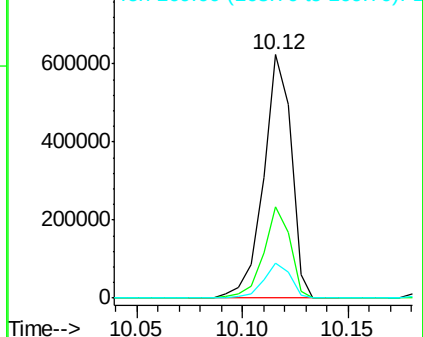


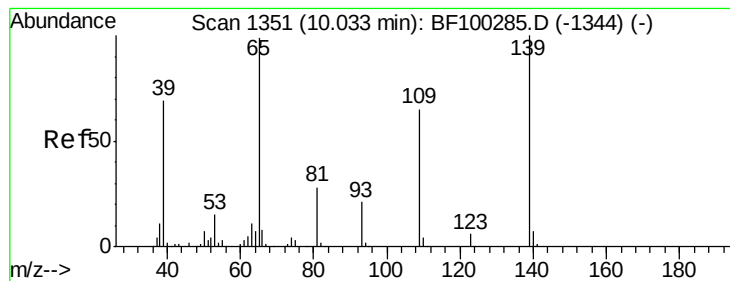
#54
Dibenzofuran
Concen: 36.62 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion:168 Resp: 570626
Ion Ratio Lower Upper
168 100
139 37.4 30.1 45.1
169 14.6 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: 63.62 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

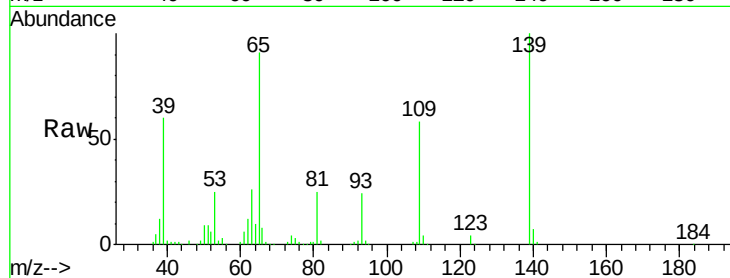
Tgt Ion:139 Resp: 162067

Ion Ratio Lower Upper

139 100

109 58.1 48.4 88.4

65 90.8 72.6 112.6

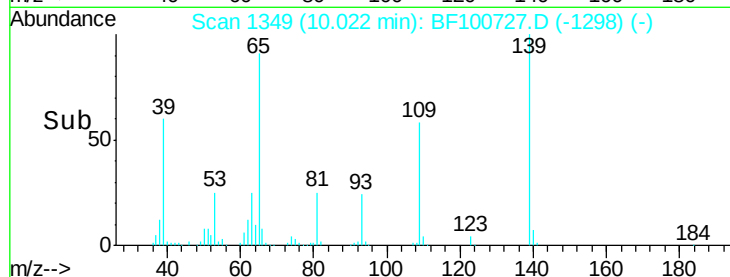


Abundance Ion 139.00 (138.70 to 139.70): E

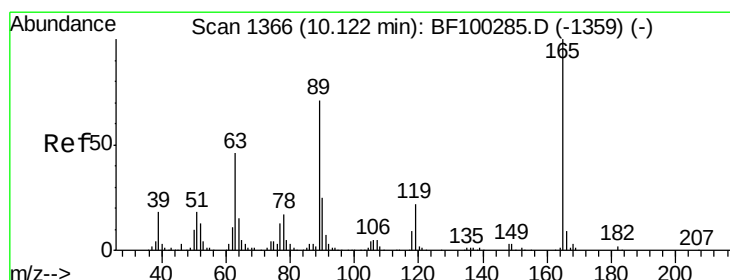
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

Time-->



Time-->



#56

2,4-Dinitrotoluene

Concen: 43.06 ng

RT: 10.10 min Scan# 1362

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Tgt Ion:165 Resp: 144312

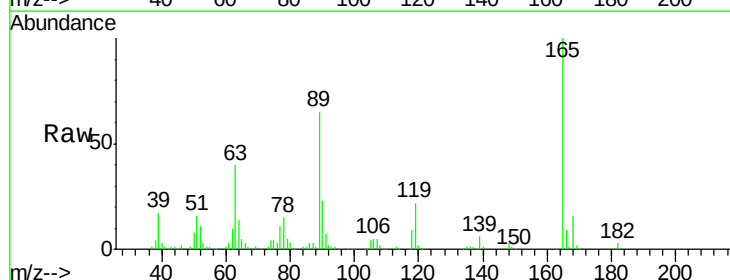
Ion Ratio Lower Upper

165 100

63 40.0 36.4 54.6

89 64.7 57.8 86.6

182 2.5 1.6 2.4#



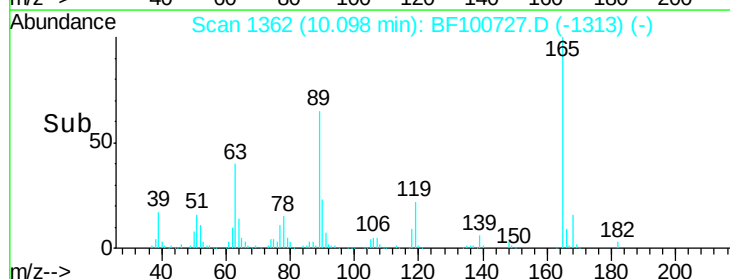
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

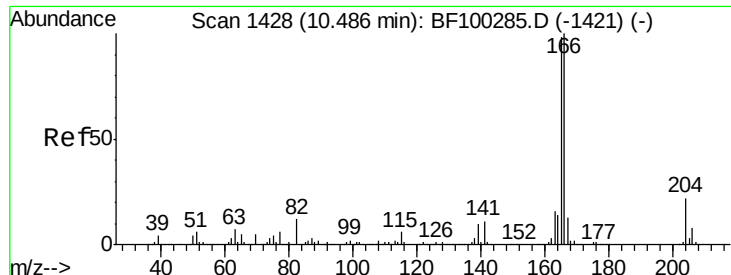
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

Time-->



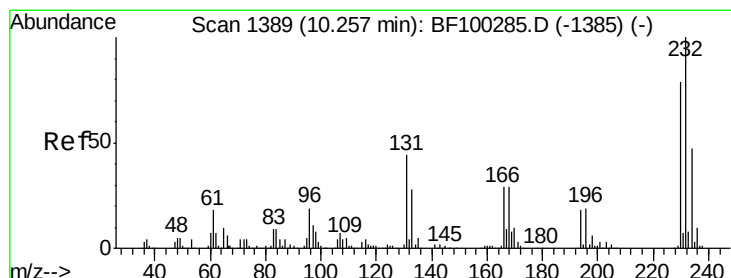
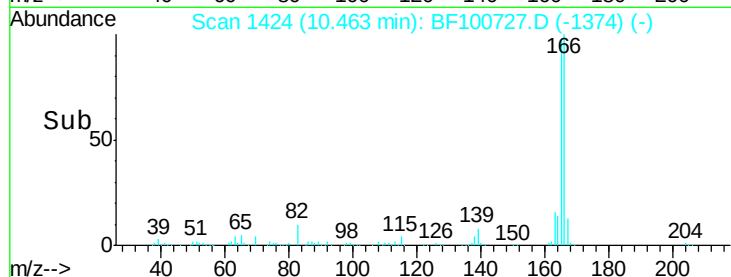
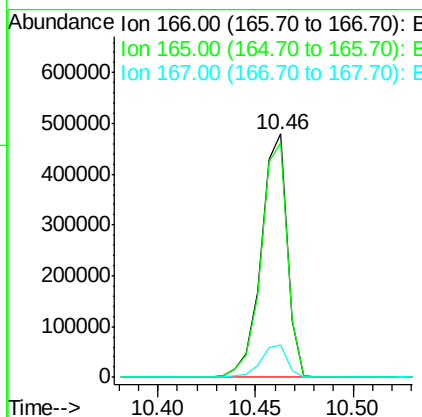
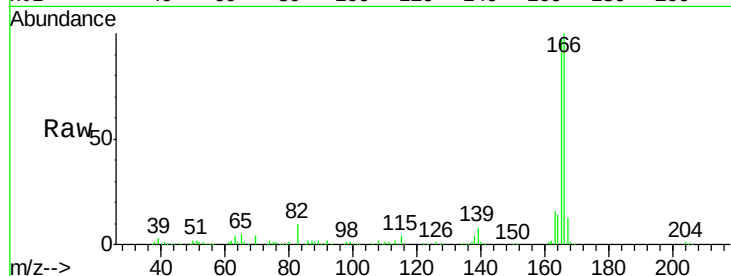
Time-->



#57
 Fluorene
 Concen: 38.85 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

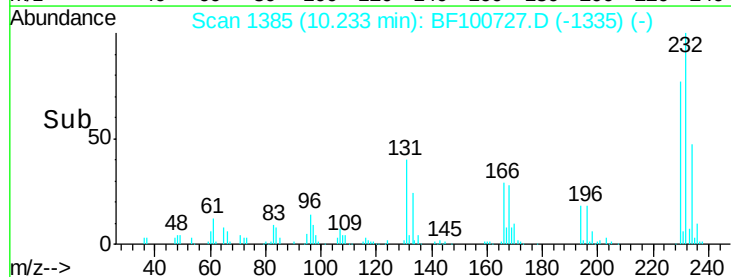
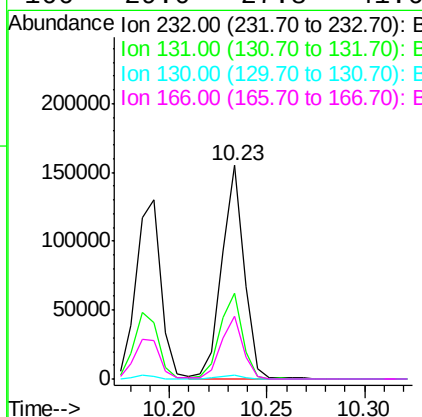
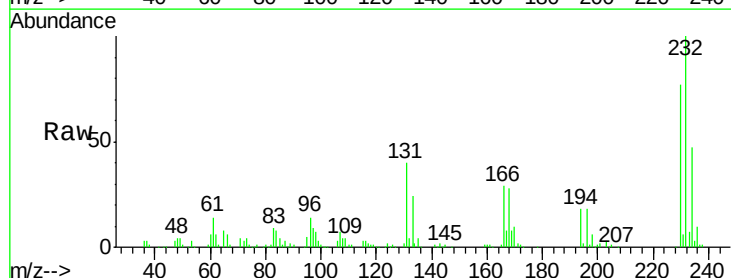
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

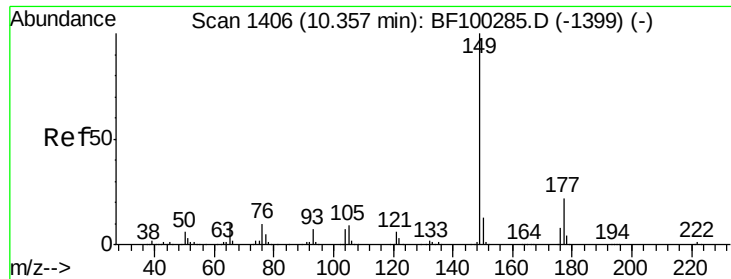
Tgt Ion:166 Resp: 443467
 Ion Ratio Lower Upper
 166 100
 165 96.6 79.8 119.8
 167 13.2 10.6 16.0



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 39.24 ng
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion:232 Resp: 123115
 Ion Ratio Lower Upper
 232 100
 131 40.9 43.8 65.8#
 130 2.0 2.1 3.1#
 166 29.0 27.8 41.6

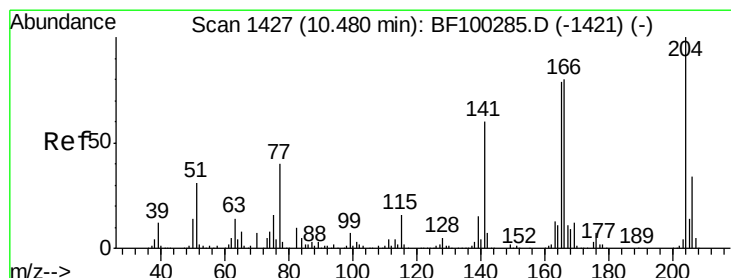
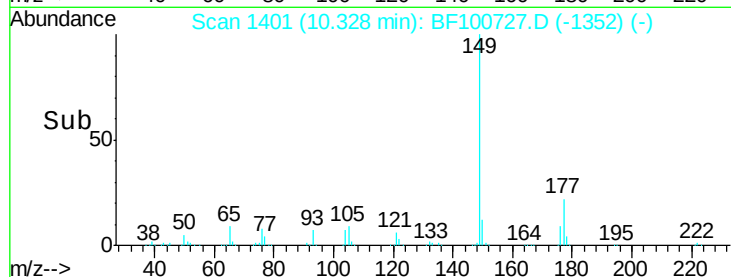
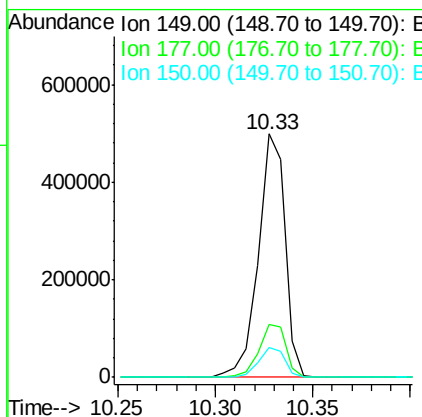
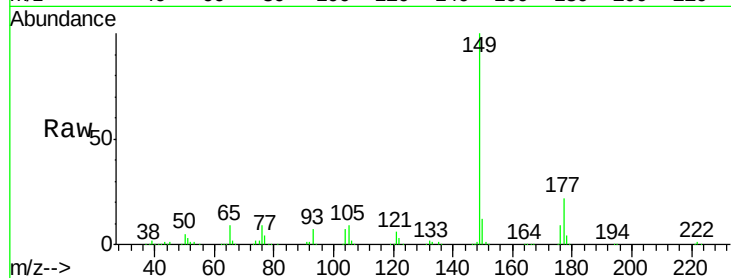




#59
Diethylphthalate
Concen: 35.25 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

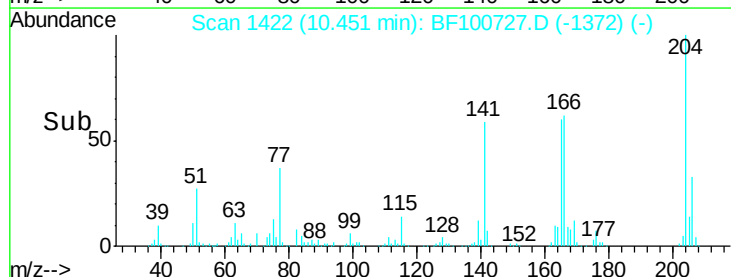
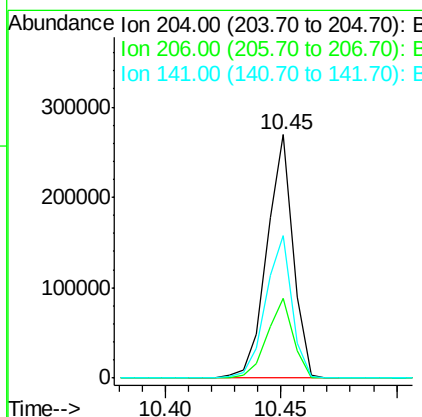
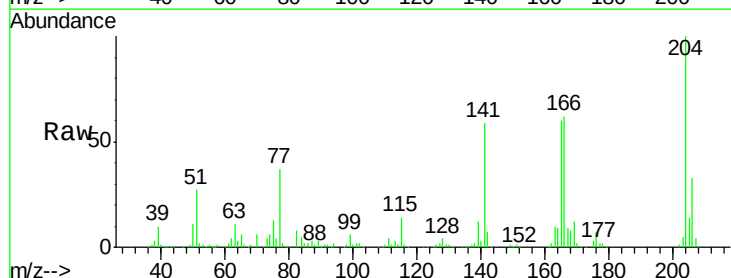
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

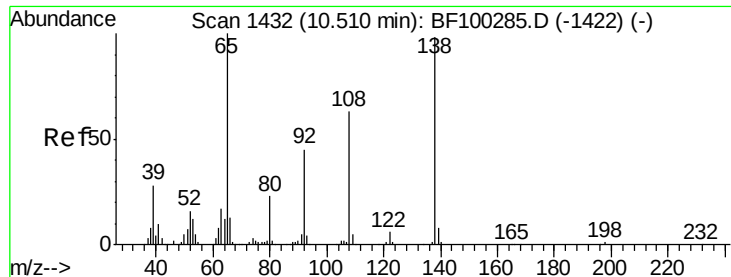
Tgt Ion:149 Resp: 473371
Ion Ratio Lower Upper
149 100
177 21.7 16.1 24.1
150 12.5 10.1 15.1



#60
4-Chlorophenyl-phenylether
Concen: 37.92 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion:204 Resp: 212294
Ion Ratio Lower Upper
204 100
206 32.8 26.5 39.7
141 58.6 54.6 81.8

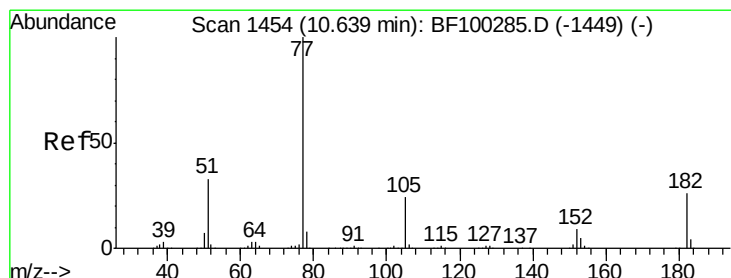
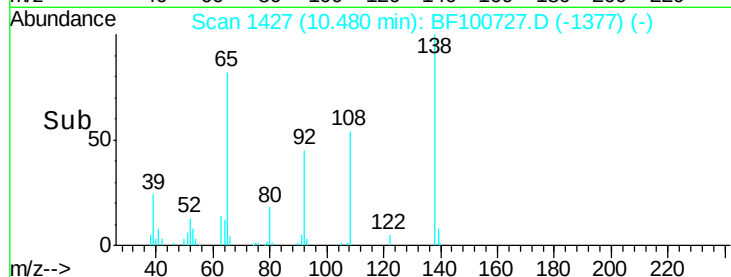
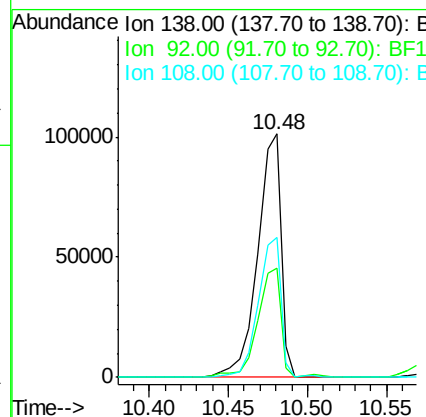
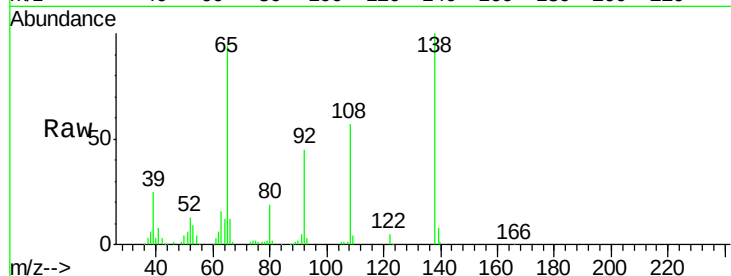




#61
4-Nitroaniline
Concen: 35.32 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

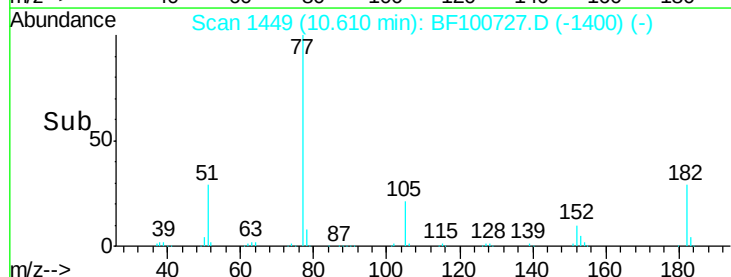
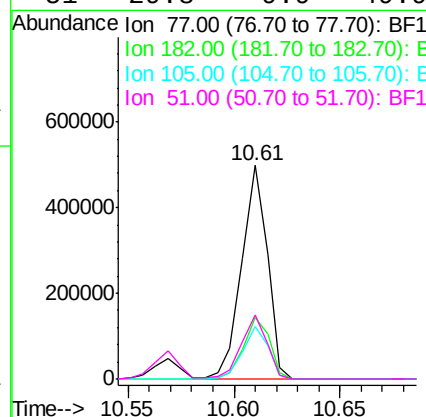
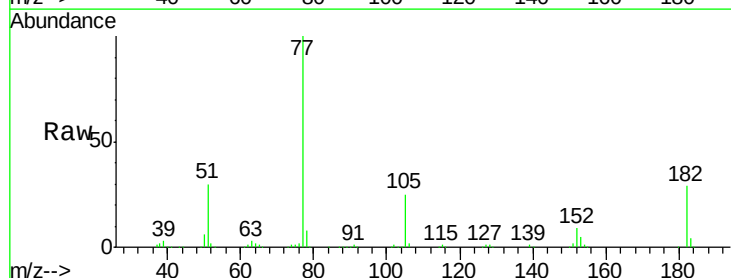
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

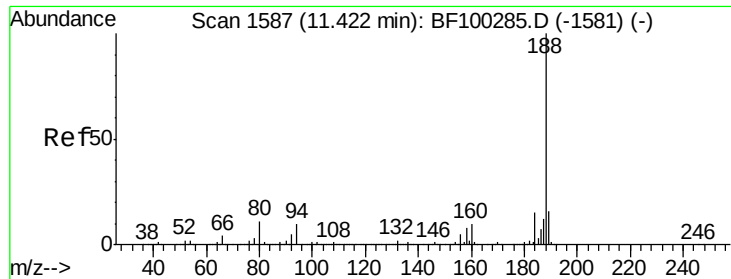
Tgt Ion: 138 Resp: 105059
Ion Ratio Lower Upper
138 100
92 44.8 30.2 70.2
108 57.4 52.5 92.5



#62
Azobenzene
Concen: 33.30 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion: 77 Resp: 421277
Ion Ratio Lower Upper
77 100
182 28.7 1.7 41.7
105 24.5 3.0 43.0
51 29.8 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: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

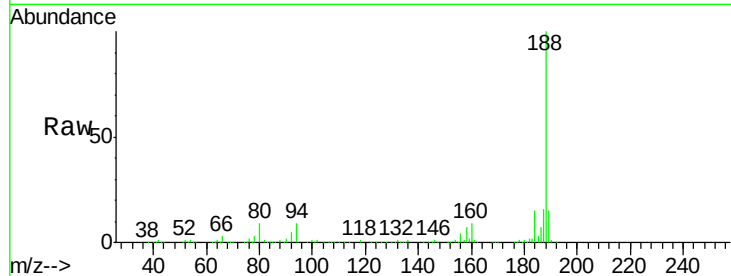
Tgt Ion:188 Resp: 328026

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

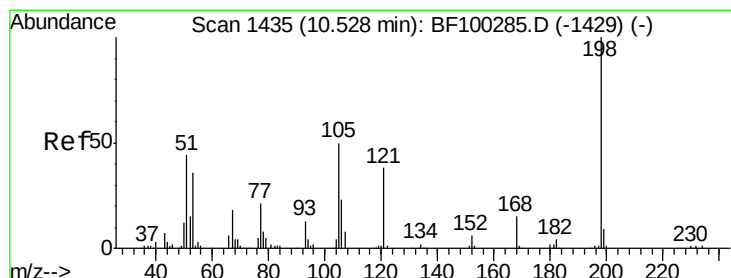
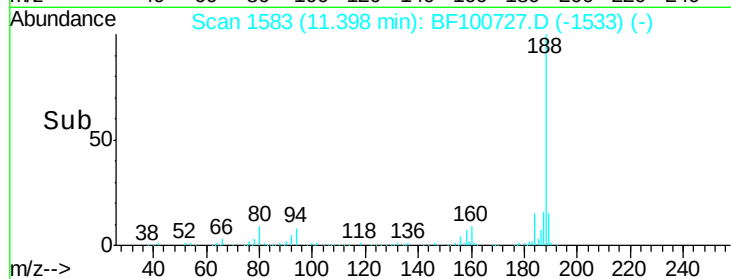
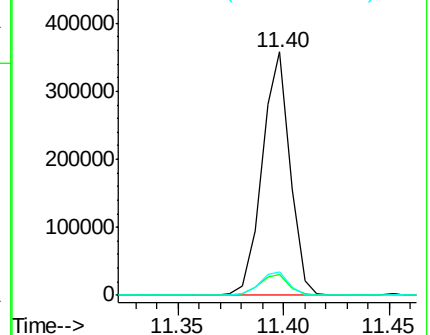
80 9.5 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 28.00 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

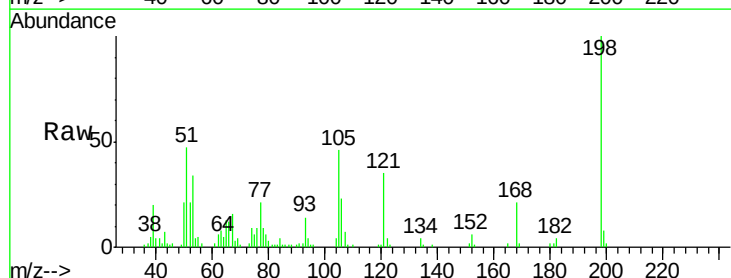
Tgt Ion:198 Resp: 39175

Ion Ratio Lower Upper

198 100

51 47.4 37.7 77.7

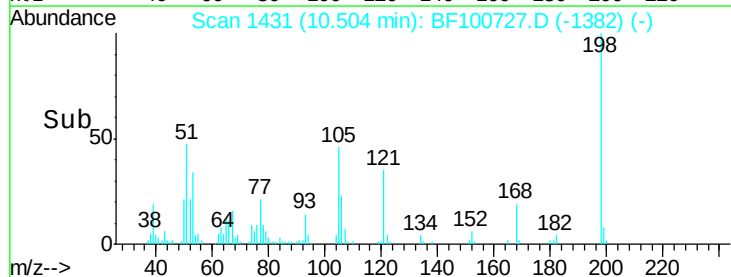
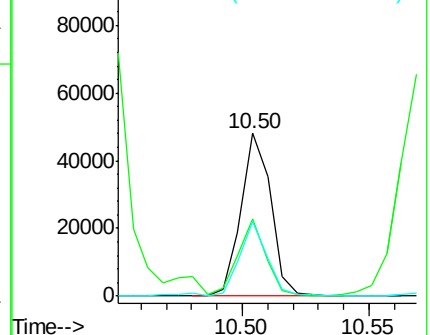
105 46.0 36.3 76.3

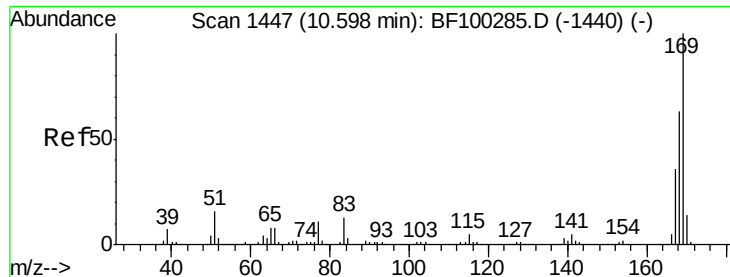


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

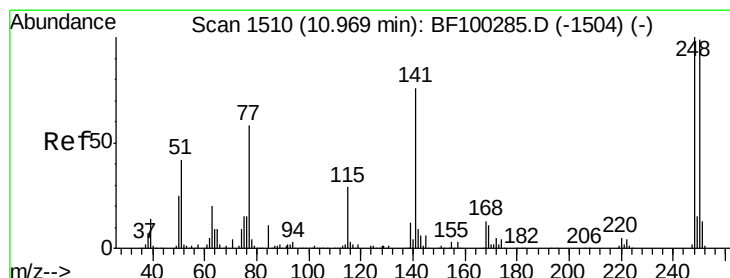
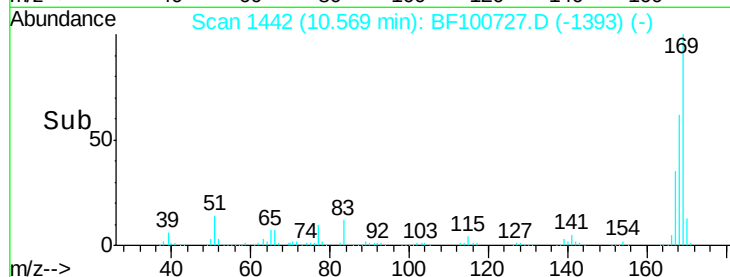
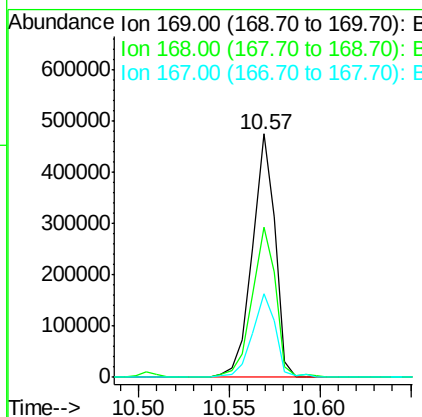
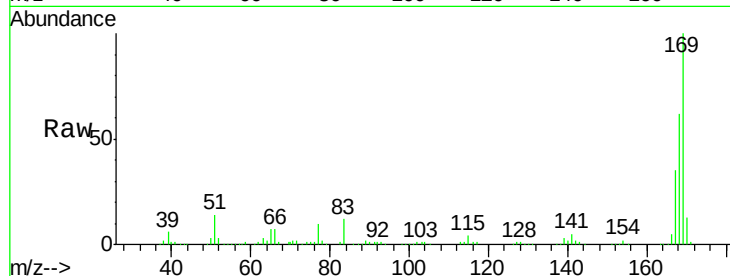




#65
n-Nitrosodiphenylamine
Concen: 36.37 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

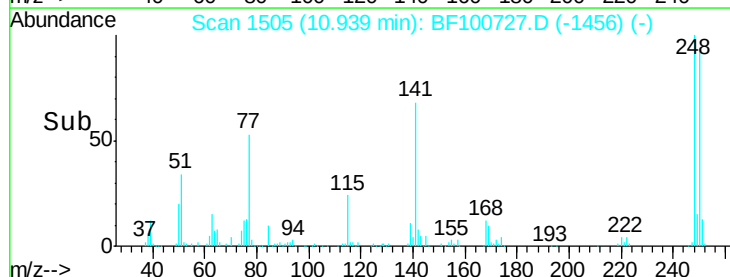
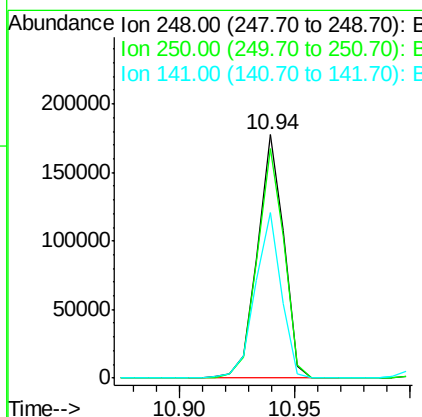
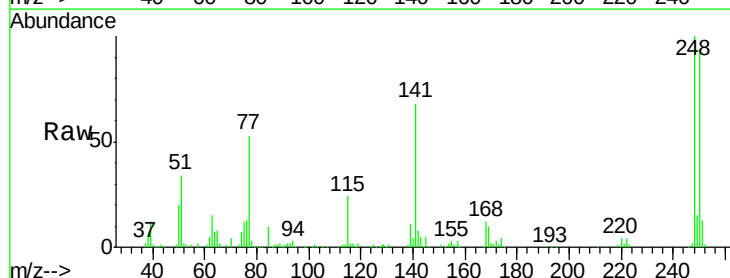
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

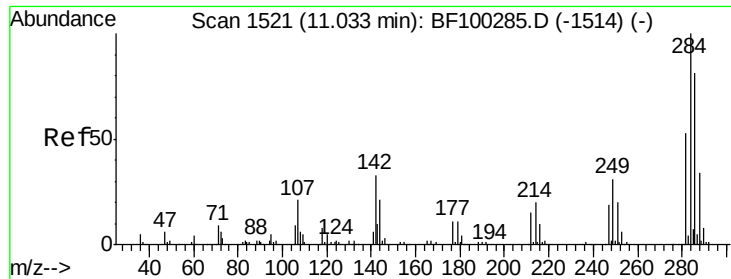
Tgt Ion:169 Resp: 414777
Ion Ratio Lower Upper
169 100
168 61.6 54.4 81.6
167 34.6 29.8 44.6



#66
4-Bromophenyl-phenylether
Concen: 40.18 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion:248 Resp: 141289
Ion Ratio Lower Upper
248 100
250 94.2 76.9 115.3
141 68.2 74.4 111.6#

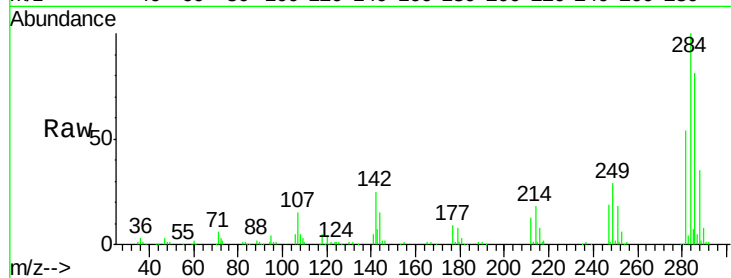




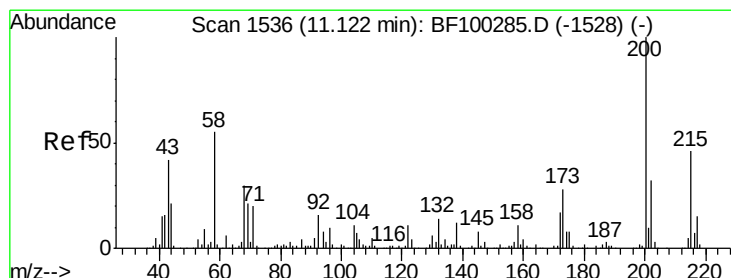
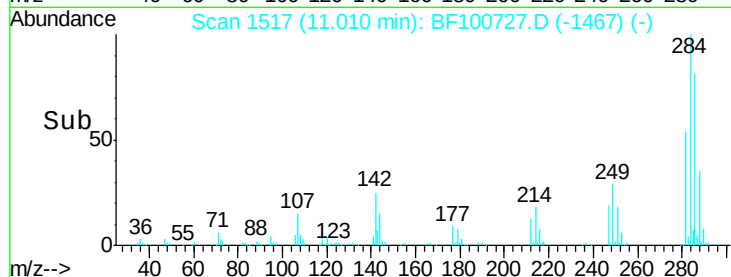
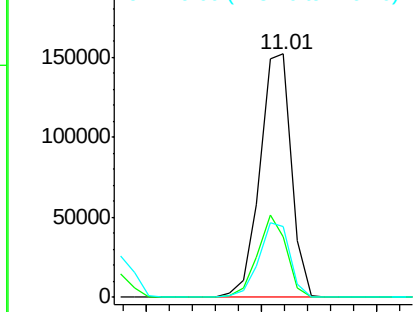
#67
Hexachlorobenzene
Concen: 39.44 ng
RT: 11.01 min Scan# 1517
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

Tgt Ion	Ratio	Lower	Upper
284	100		
142	24.7	34.6	52.0#
249	29.3	24.8	37.2

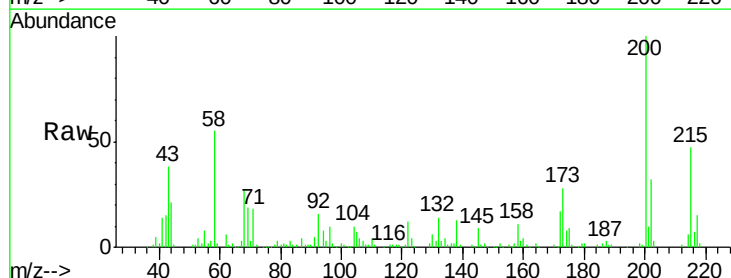


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

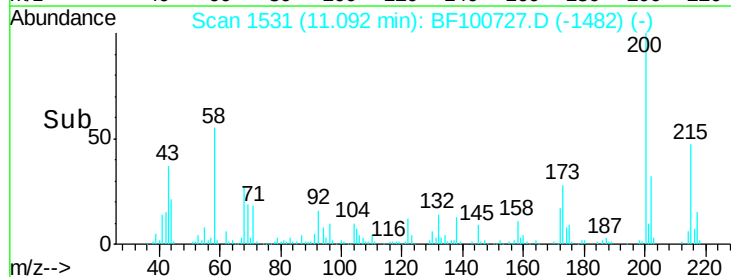
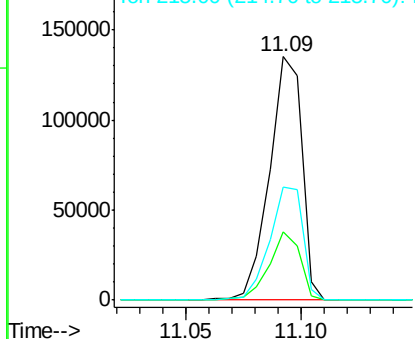


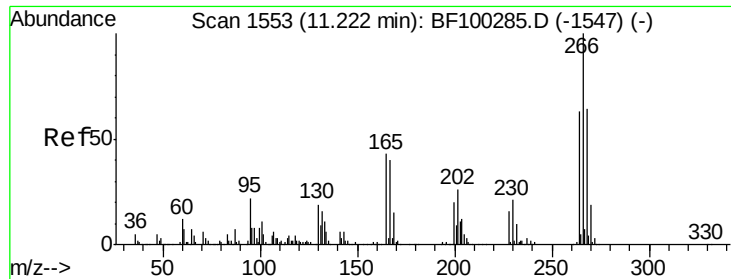
#68
Atrazine
Concen: 38.08 ng
RT: 11.09 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
200	100		
173	28.1	8.6	48.6
215	46.6	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

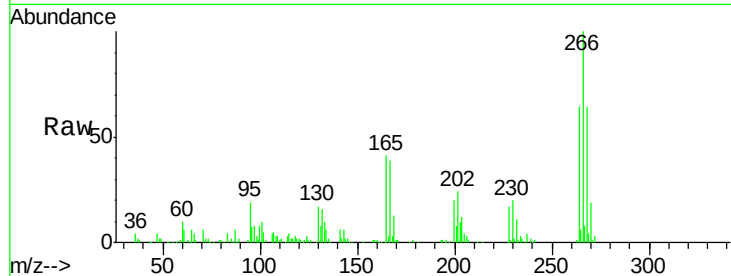




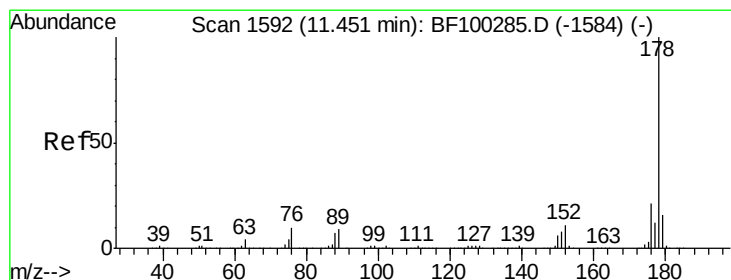
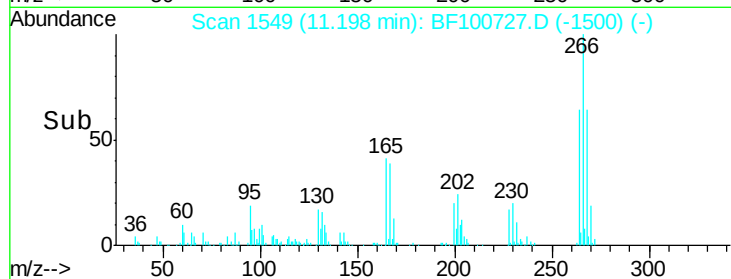
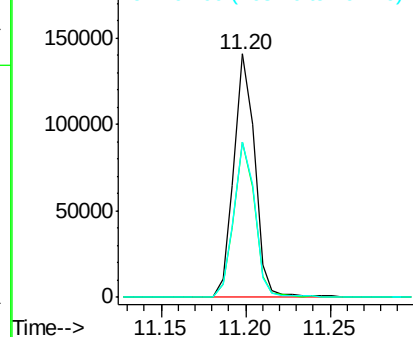
#69
 Pentachlorophenol
 Concen: 46.49 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.1	76.7
264	63.9	49.5	74.3

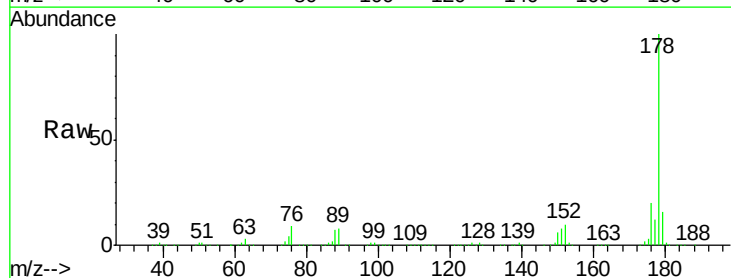


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

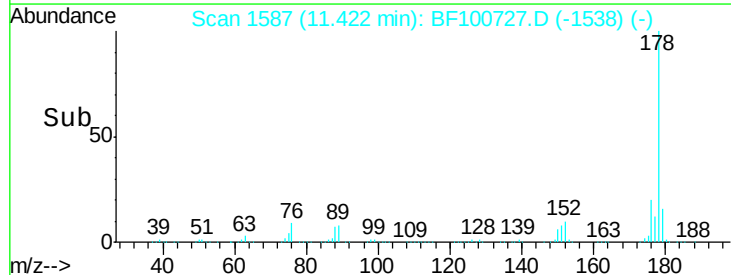
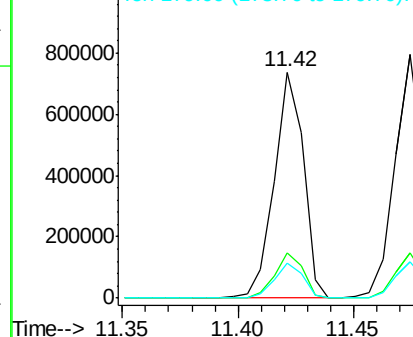


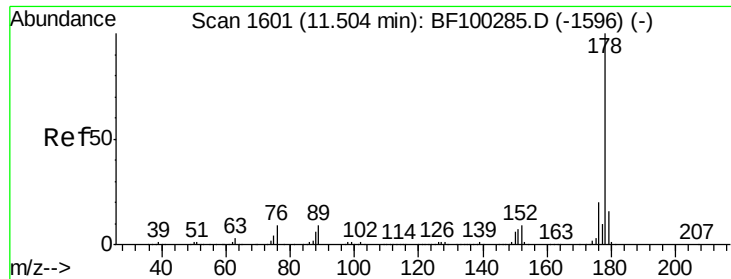
#70
 Phenanthrene
 Concen: 37.40 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.7	13.0	19.6



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





#71

Anthracene

Concen: 38.44 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

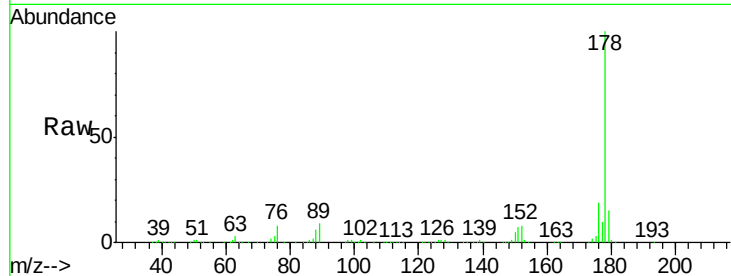
Tgt Ion:178 Resp: 673609

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

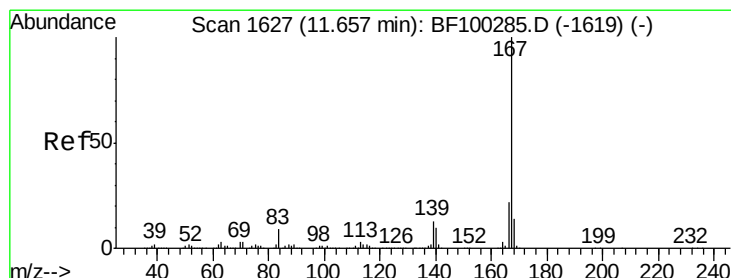
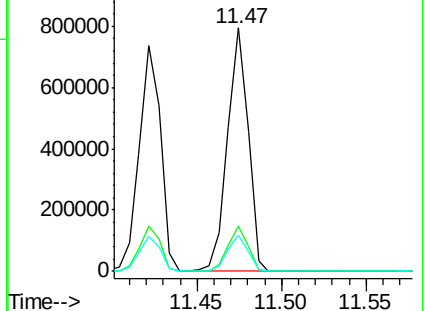
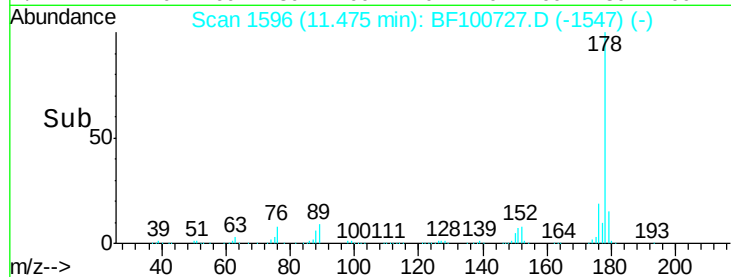
179 15.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 34.66 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

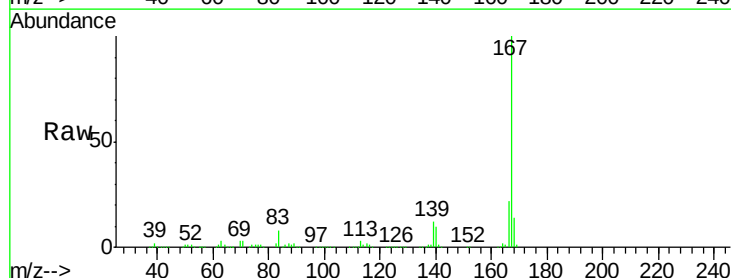
Tgt Ion:167 Resp: 560347

Ion Ratio Lower Upper

167 100

166 21.7 17.6 26.4

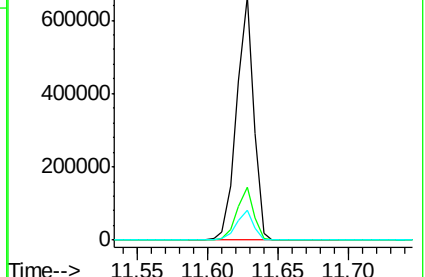
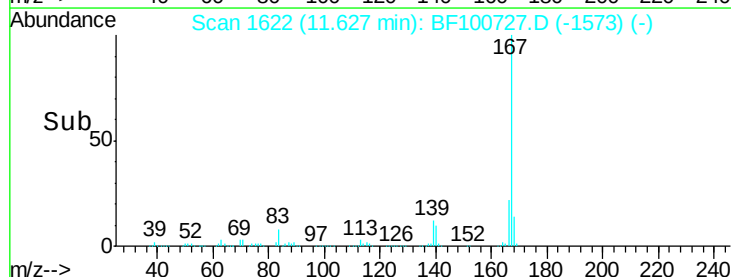
139 12.4 10.9 16.3

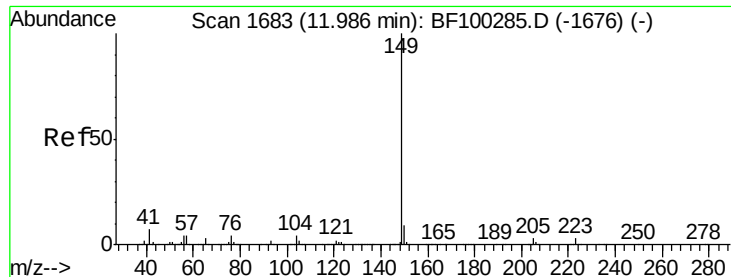


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 37.71 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

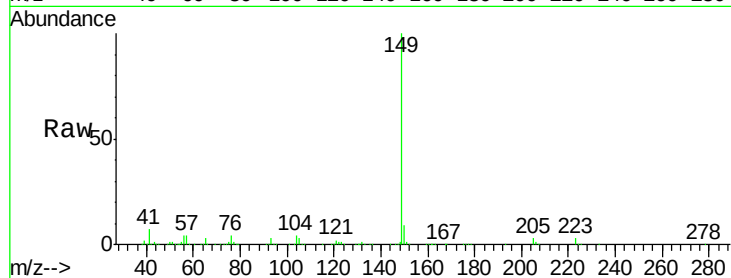
Tgt Ion:149 Resp: 713439

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.6

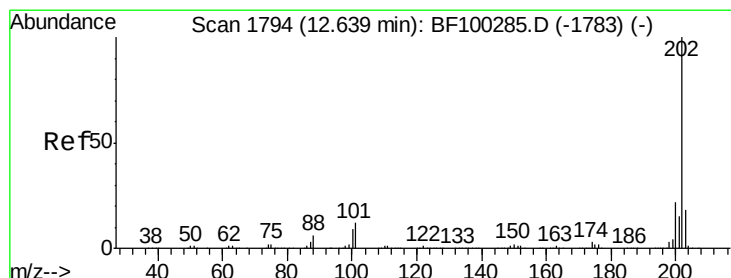
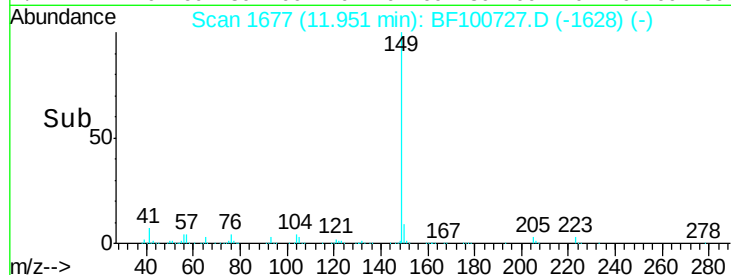
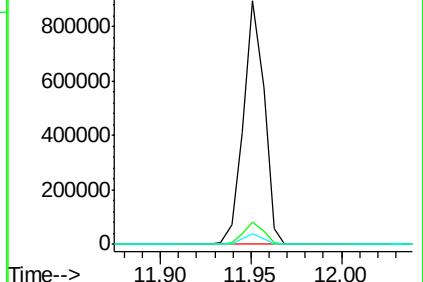
104 4.3 3.8 5.8



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: 33.89 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

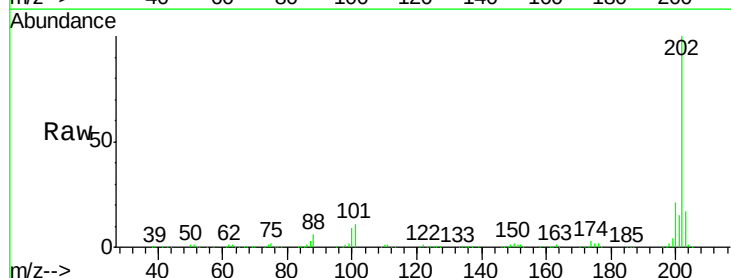
Tgt Ion:202 Resp: 620254

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

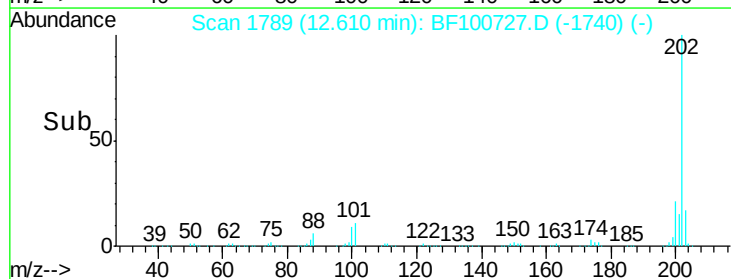
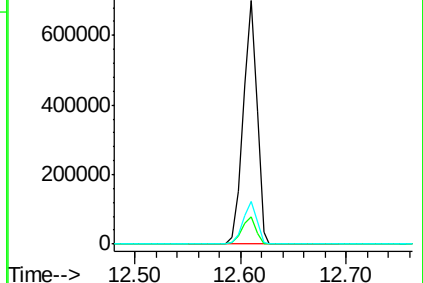
203 17.3 0.0 38.1

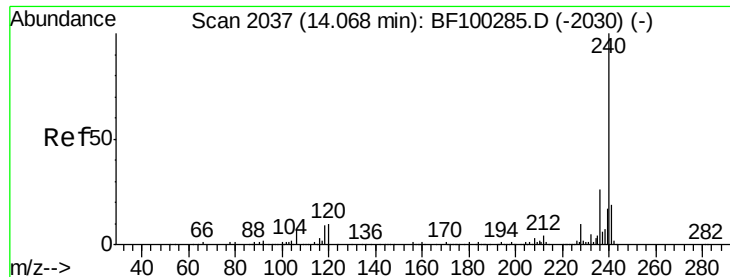


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

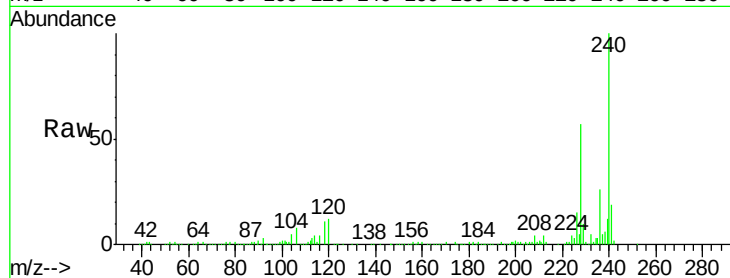
Tgt Ion:240 Resp: 179411

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

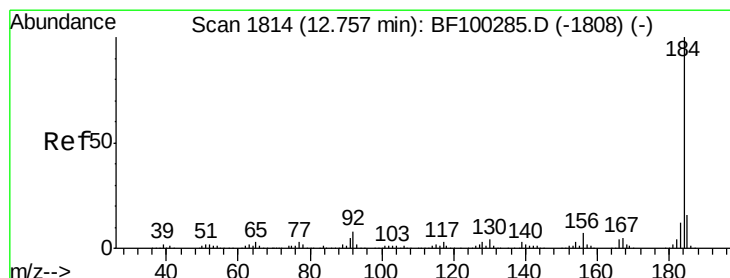
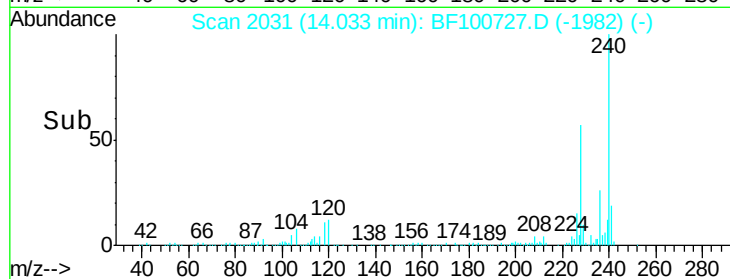
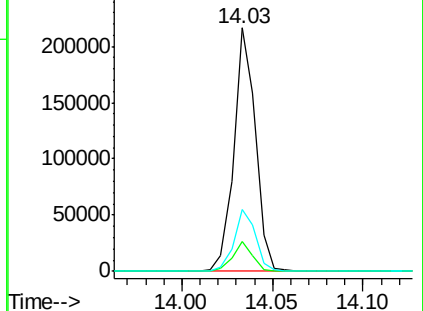
236 25.5 20.7 31.1



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: 16.77 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

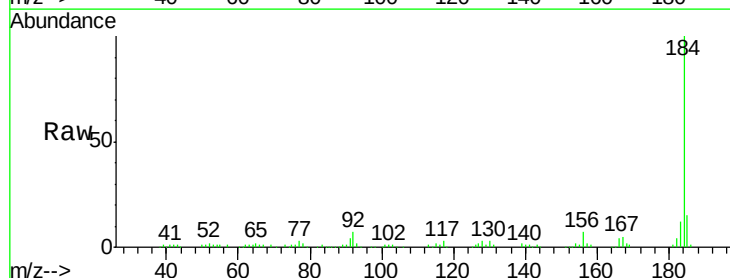
Tgt Ion:184 Resp: 120471

Ion Ratio Lower Upper

184 100

185 14.6 12.6 18.8

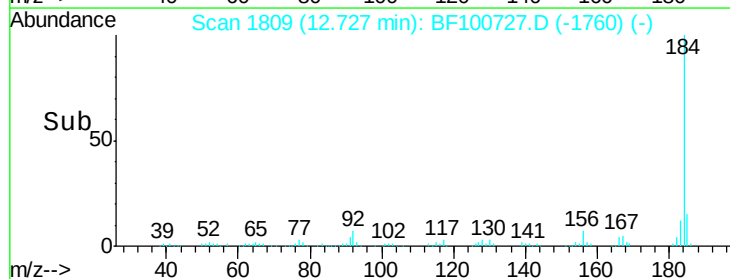
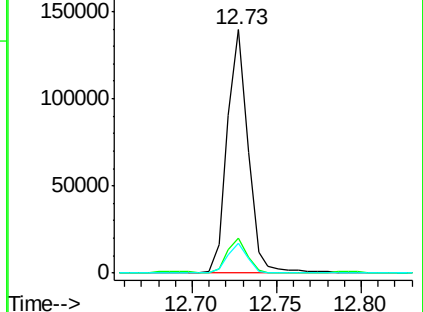
183 12.0 9.3 13.9

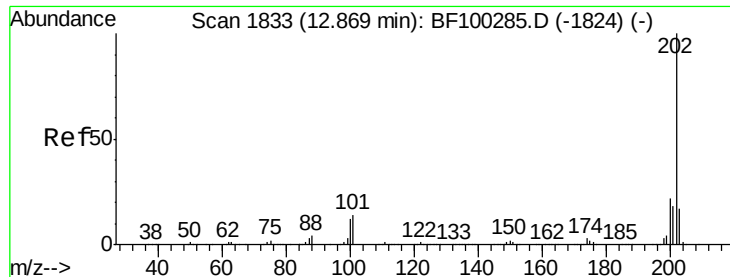


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

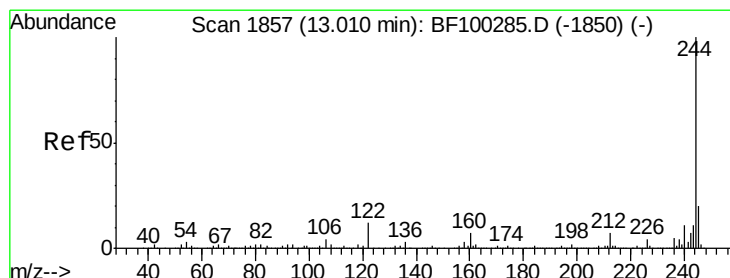
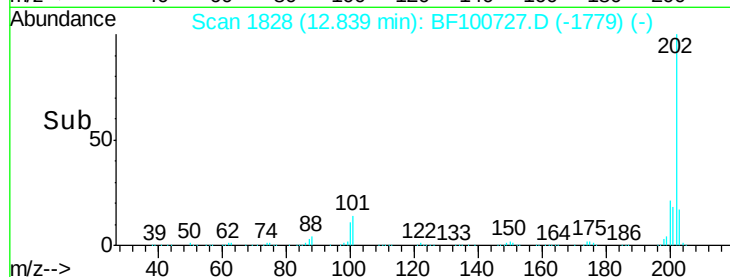
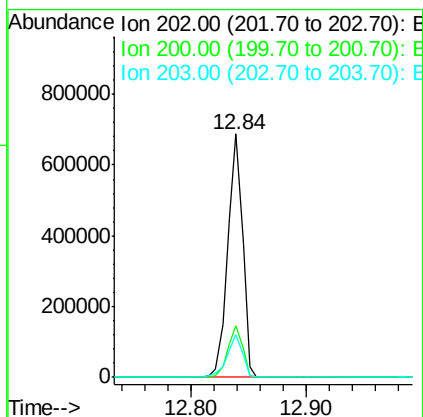
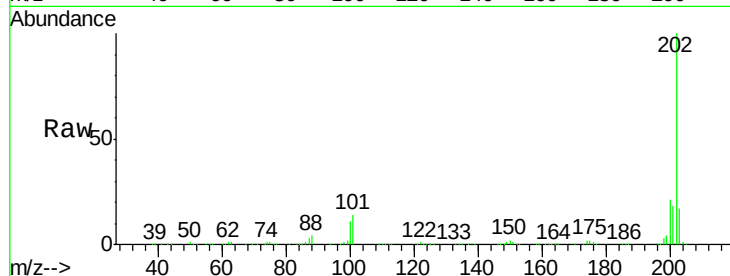




#77
 Pyrene
 Concen: 47.88 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

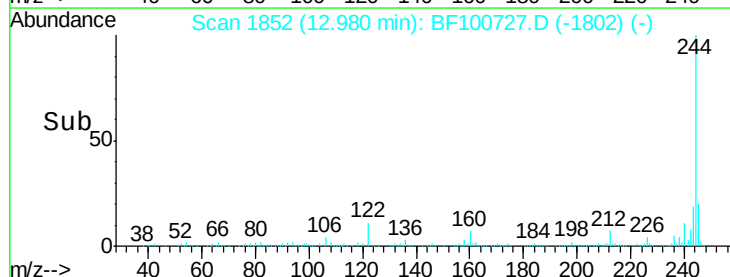
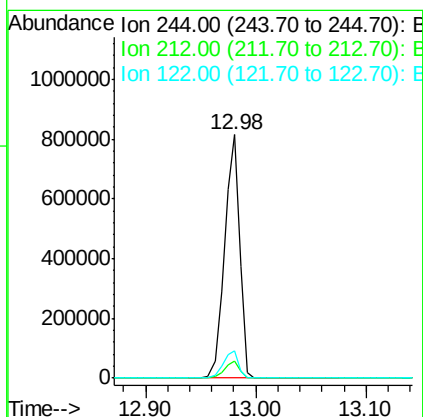
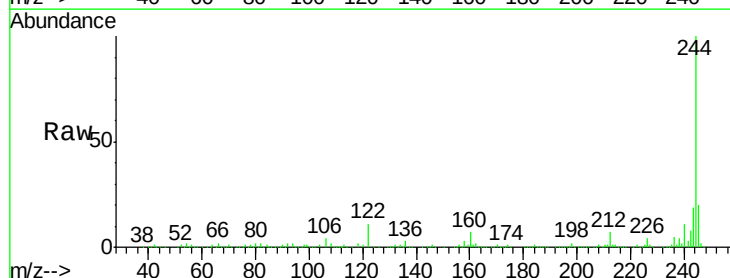
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

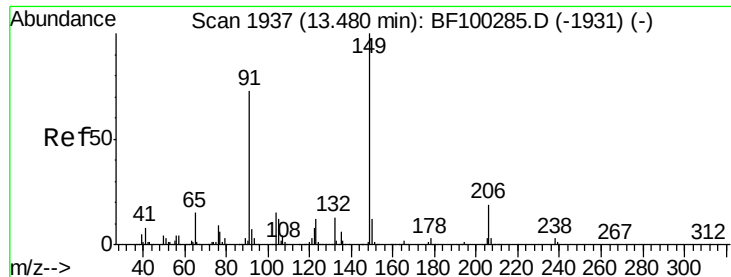
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.3	14.3	21.5



#78
 Terphenyl-d14
 Concen: 99.47 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.3	11.0	16.4

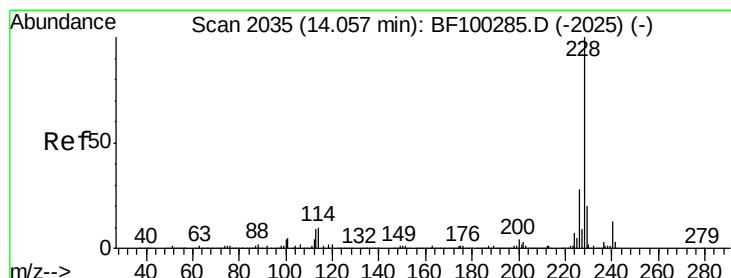
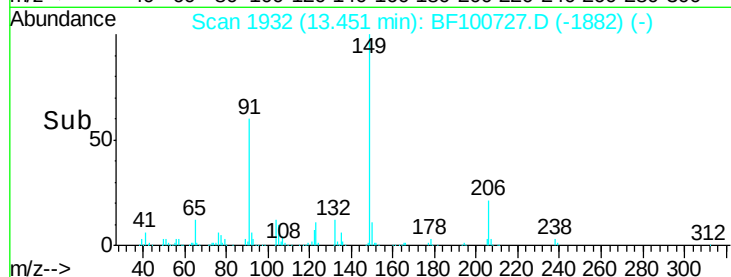
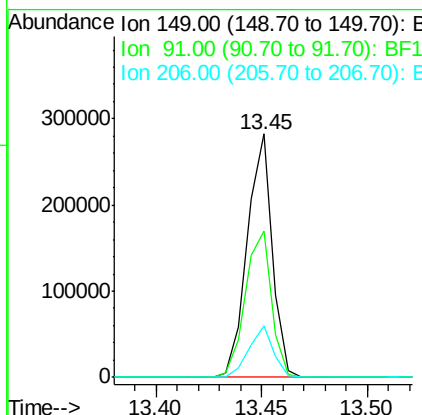
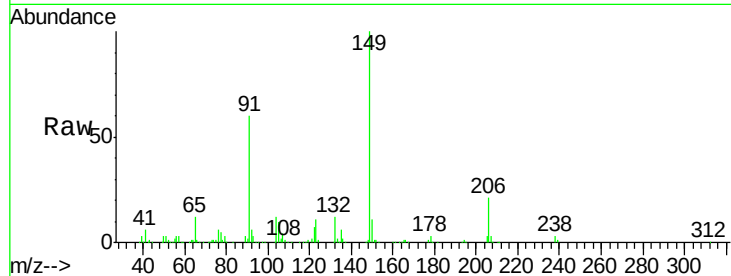




#79
 Butylbenzylphthalate
 Concen: 44.49 ng
 RT: 13.45 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

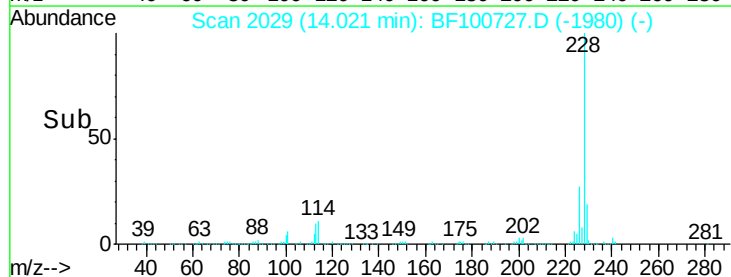
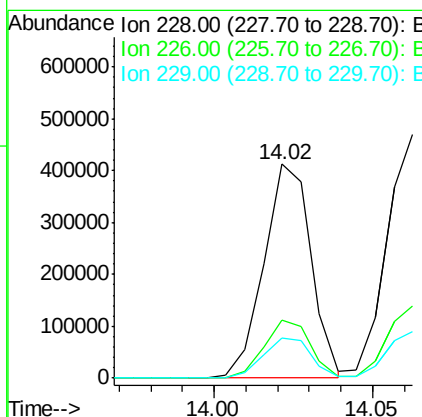
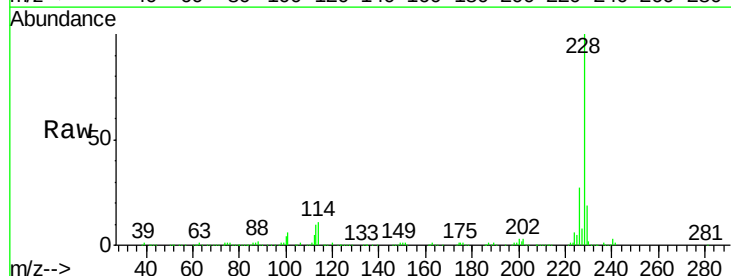
Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

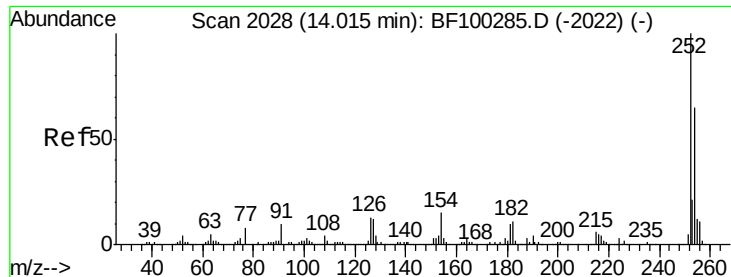
Tgt Ion:	149	Resp:	232030
Ion Ratio	Lower	Upper	
149	100		
91	60.2	56.8	85.2
206	21.2	14.1	21.1#



#80
 Benzo(a)anthracene
 Concen: 39.39 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion:	228	Resp:	425559
Ion Ratio	Lower	Upper	
228	100		
226	27.0	22.6	33.8
229	18.9	15.8	23.6

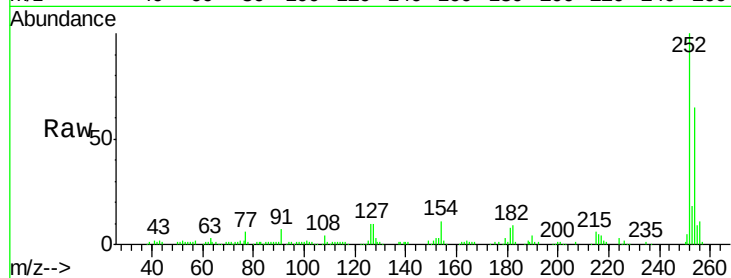




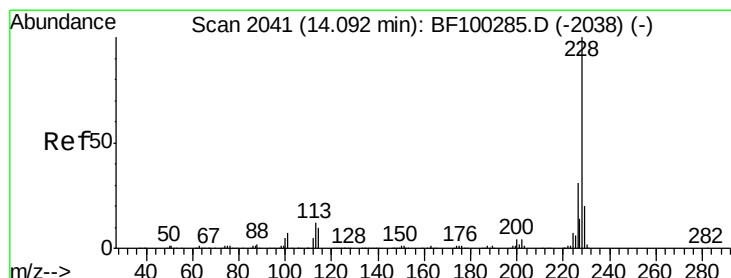
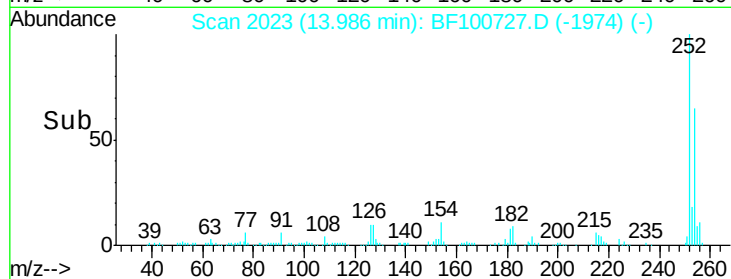
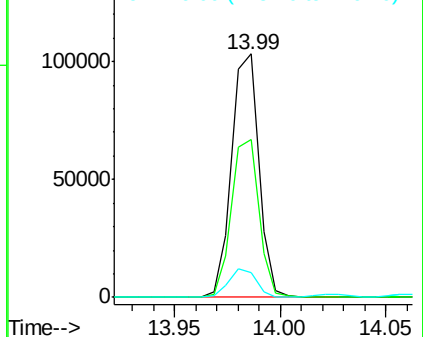
#81
 3,3'-Dichlorobenzidine
 Concen: 23.82 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.8	50.4	75.6
126	10.3	11.3	16.9#

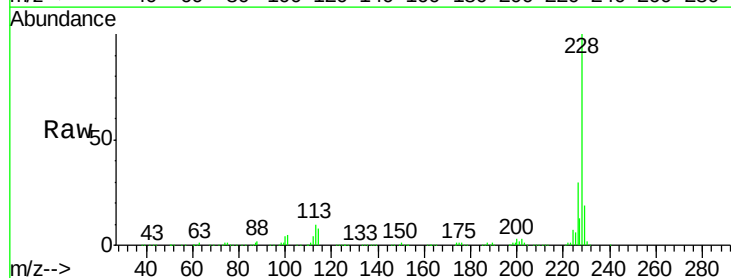


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

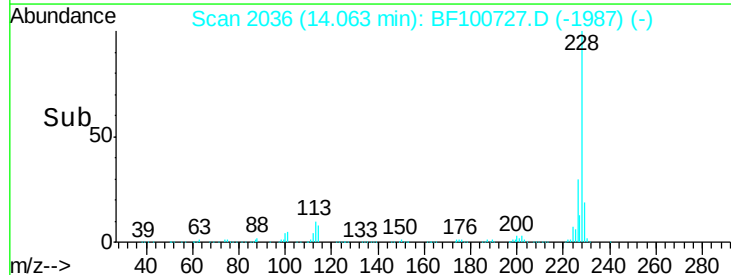
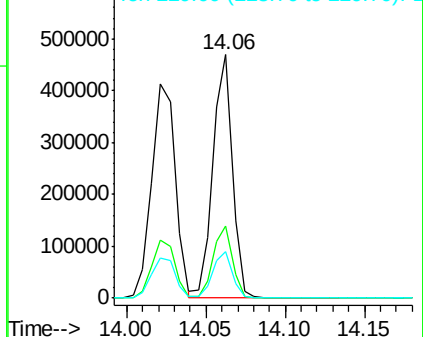


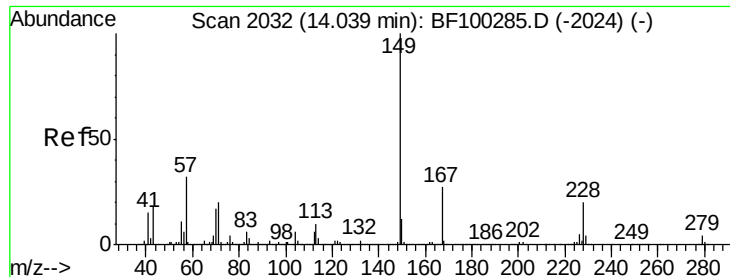
#82
 Chrysene
 Concen: 38.37 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	19.2	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

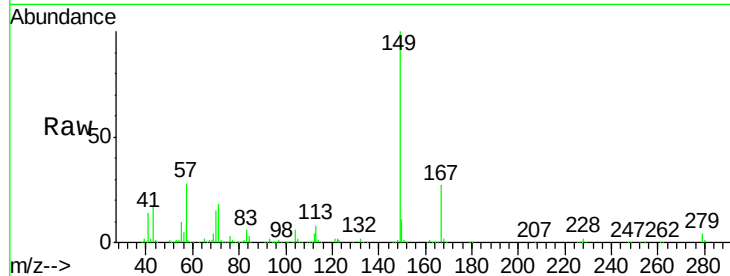




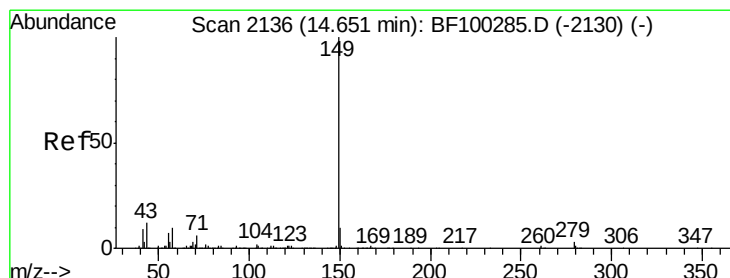
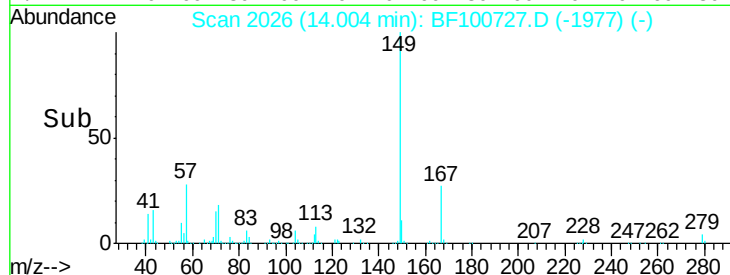
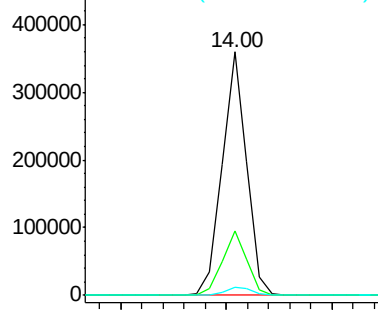
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 42.20 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Instrument :
 BNA_F
 ClientSampleId :
 IDOC-SOIL-01

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.3	31.9
279	3.5	3.0	4.4

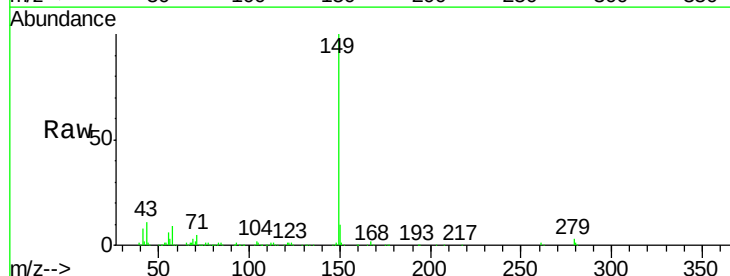


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

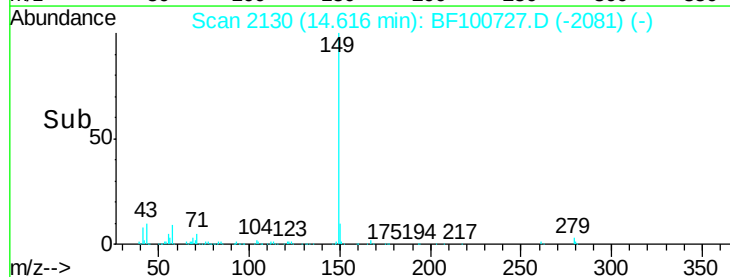
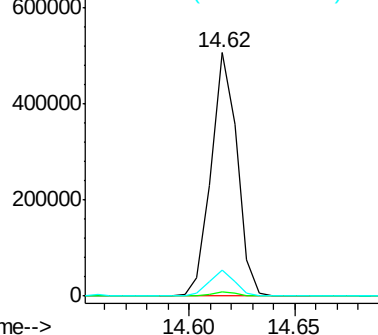


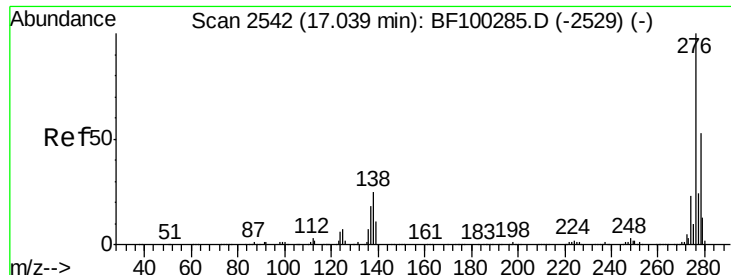
#84
 Di-n-octyl phthalate
 Concen: 36.68 ng
 RT: 14.62 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: BF100727.D
 Acq: 20 Nov 2017 13:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	10.1	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: 60.65 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

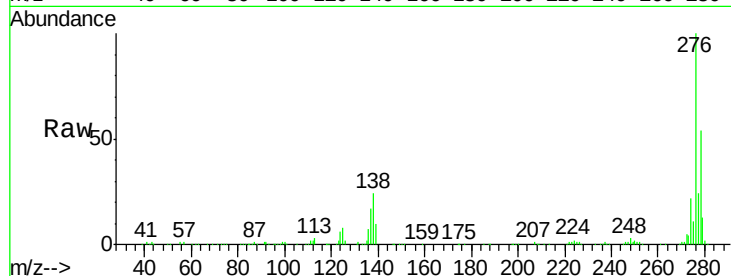
Tgt Ion:276 Resp: 513259

Ion Ratio Lower Upper

276 100

138 26.1 25.0 37.6

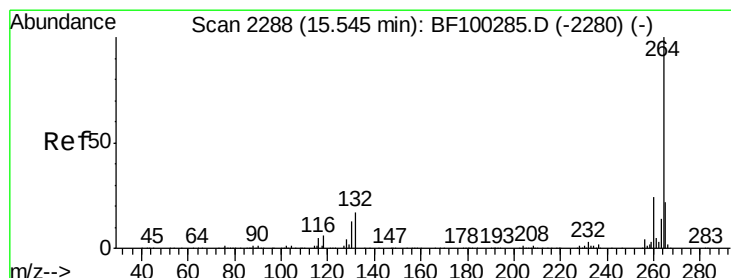
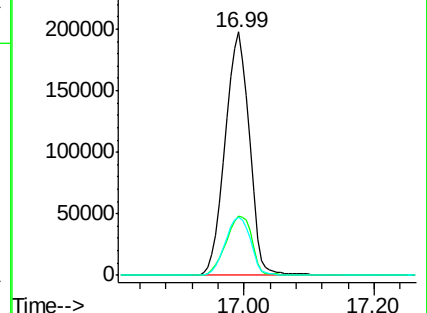
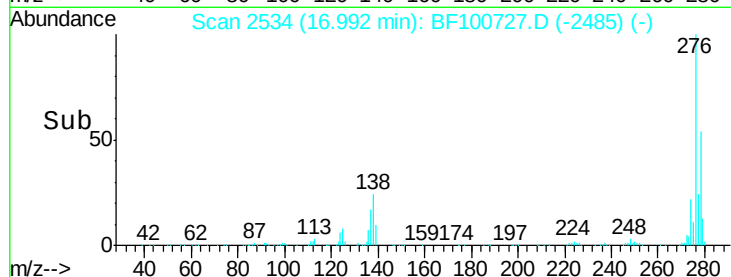
277 25.1 20.1 30.1



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: BF100727.D

Acq: 20 Nov 2017 13:49

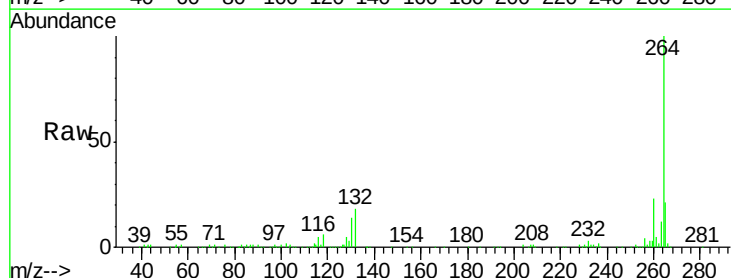
Tgt Ion:264 Resp: 197632

Ion Ratio Lower Upper

264 100

260 22.6 19.2 28.8

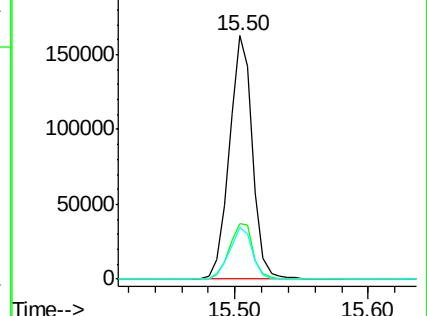
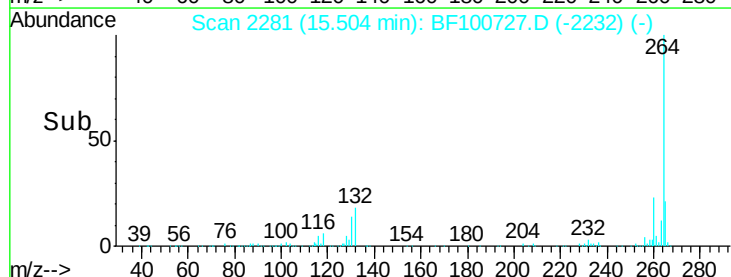
265 20.9 17.5 26.3

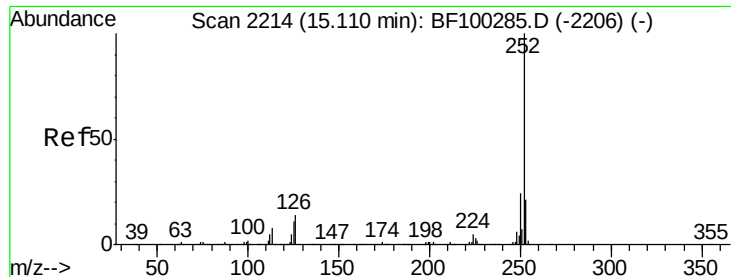


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

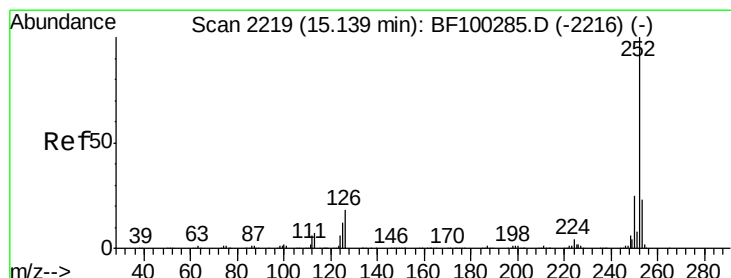
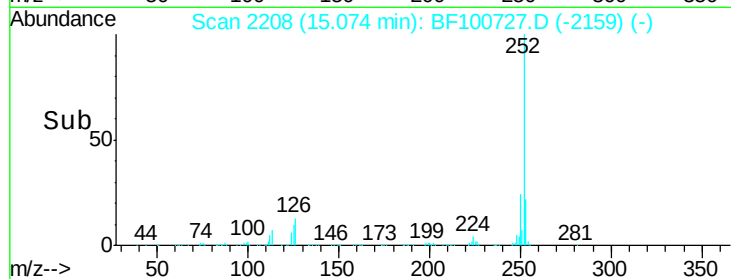
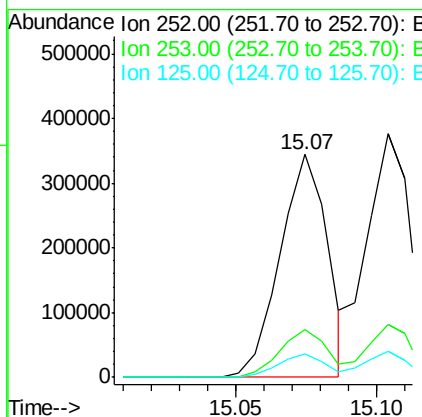
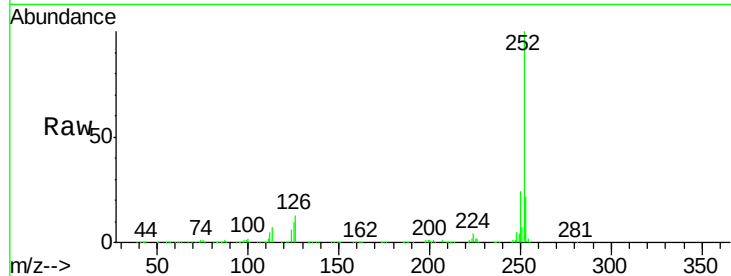




#87
Benzo(b)fluoranthene
Concen: 34.36 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

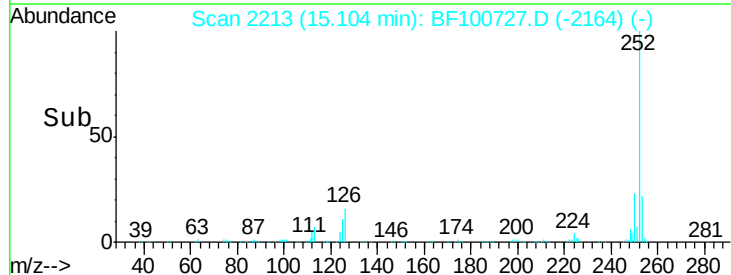
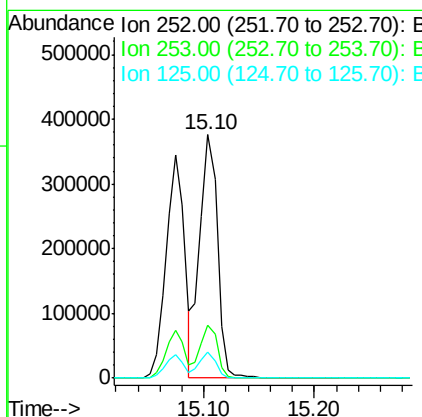
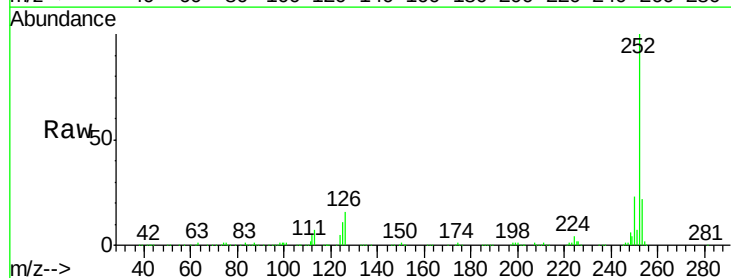
Instrument :
BNA_F
ClientSampleId :
IDOC-SOIL-01

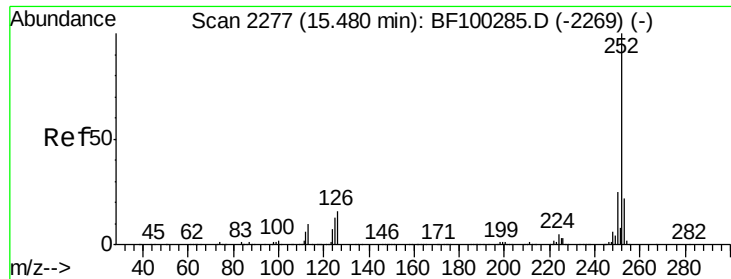
Tgt Ion:252 Resp: 402265
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 10.3 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 37.01 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF100727.D
Acq: 20 Nov 2017 13:49

Tgt Ion:252 Resp: 409436
Ion Ratio Lower Upper
252 100
253 21.9 17.9 26.9
125 10.8 10.2 15.2





#89

Benzo(a)pyrene

Concen: 39.56 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

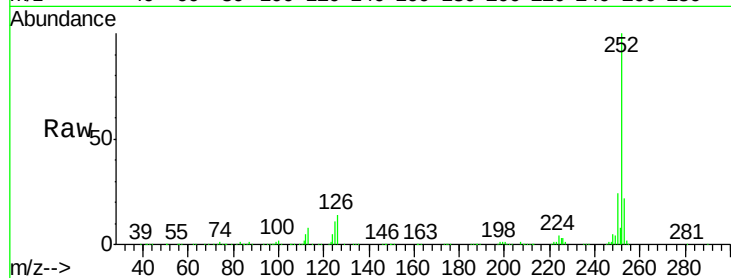
Tgt Ion:252 Resp: 410590

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

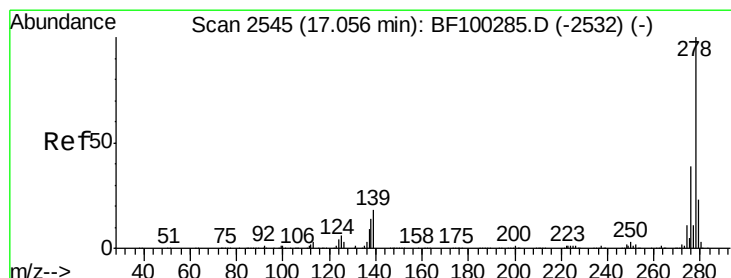
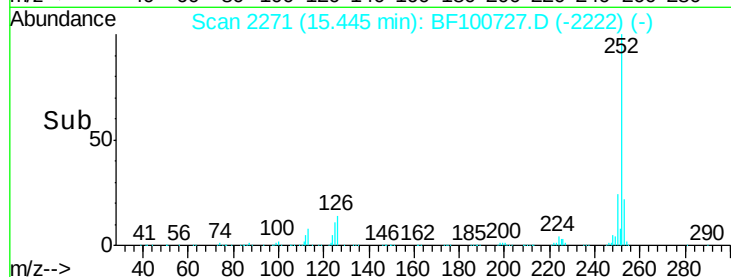
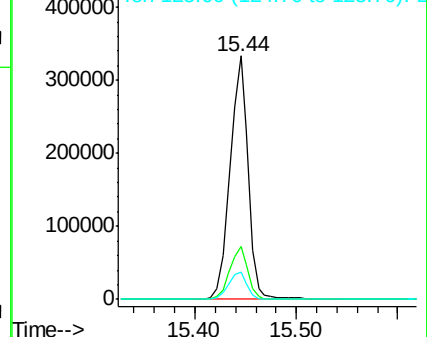
125 11.0 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 49.78 ng

RT: 17.01 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

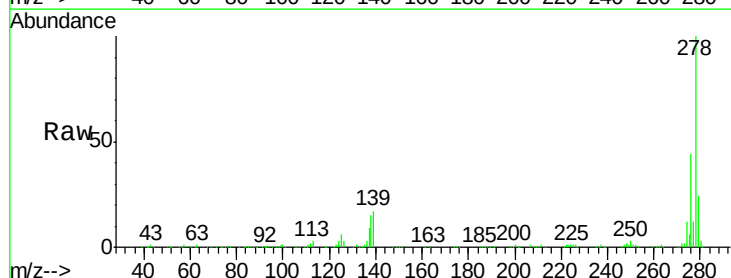
Tgt Ion:278 Resp: 422594

Ion Ratio Lower Upper

278 100

139 16.8 15.9 23.9

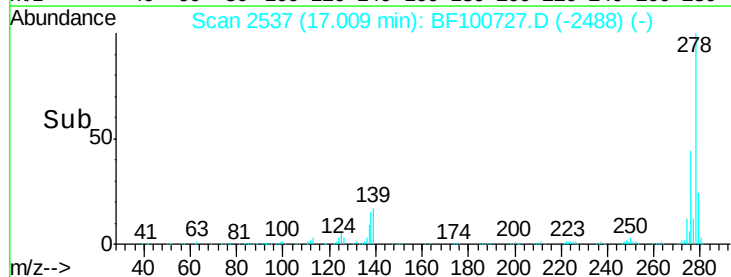
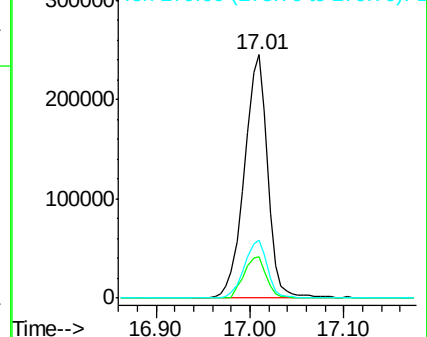
279 23.8 19.0 28.4

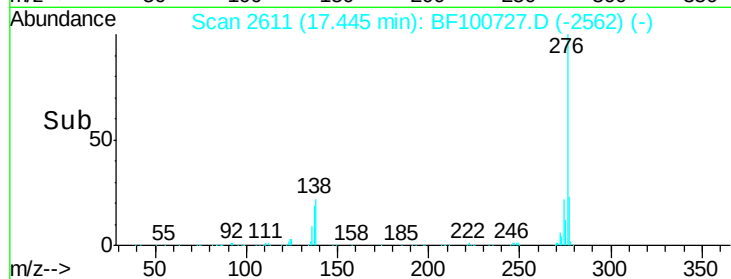
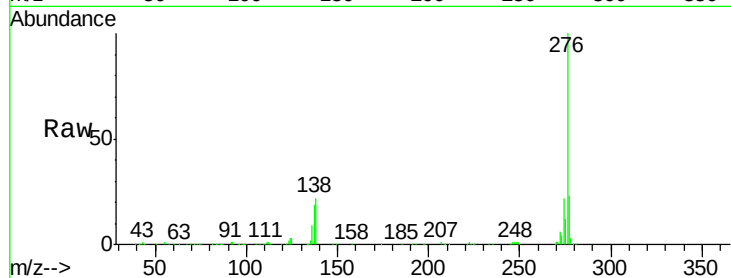
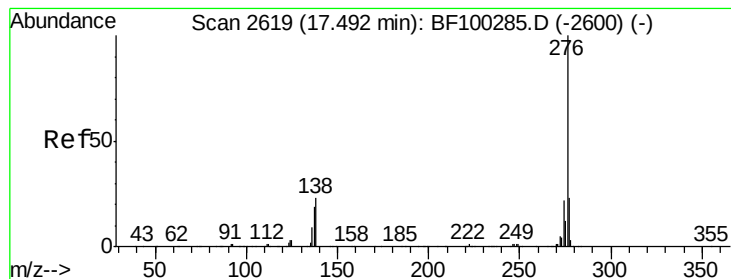


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 53.19 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BF100727.D

Acq: 20 Nov 2017 13:49

Instrument :

BNA_F

ClientSampleId :

IDOC-SOIL-01

Tgt Ion:276 Resp: 442025

Ion Ratio Lower Upper

276 100

277 22.8 17.9 26.9

138 21.8 21.8 32.8#

