

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091678.D
 Acq On : 16 Dec 2016 17:47
 Operator : UM/SJ
 Sample : H6029-04MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Quant Time: Dec 16 21:59:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	159543	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	667104	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	355978	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	592000	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	469409	20.00	ng	-0.01
86) Perylene-d12	15.32	264	377448	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1543651	163.01	ng	0.01
7) Phenol-d6	6.42	99	1902079	161.11	ng	-0.01
23) Nitrobenzene-d5	7.34	82	1270506	106.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	472070	159.66	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1901004	92.27	ng	-0.01
78) Terphenyl-d14	12.88	244	1738059	84.02	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.38	88	203139	40.64	ng	92
3) Pyridine	3.07	79	548348	41.18	ng	85
4) n-Nitrosodimethylamine	3.04	42	301107	52.63	ng	# 80
6) Aniline	6.44	93	298699	19.30	ng	# 36
8) 2-Chlorophenol	6.57	128	565878	52.94	ng	95
9) Benzaldehyde	6.32	77	103230	12.71	ng	85
10) Phenol	6.44	94	724585	52.49	ng	93
11) bis(2-Chloroethyl)ether	6.52	93	554712	53.49	ng	# 80
12) 1,3-Dichlorobenzene	6.72	146	597395	51.54	ng	98
13) 1,4-Dichlorobenzene	6.80	146	600136	52.49	ng	98
14) 1,2-Dichlorobenzene	6.94	146	538354	52.25	ng	99
15) Benzyl Alcohol	6.92	79	492220	52.81	ng	95
16) 2,2'-oxybis(1-Chloropropan	7.06	45	765266	47.62	ng	81
17) 2-Methylphenol	7.05	107	487046	55.07	ng	# 74
18) Hexachloroethane	7.29	117	224812	50.38	ng	# 87
19) n-Nitroso-di-n-propylamine	7.20	70	416388	56.40	ng	# 85
20) 3+4-Methylphenols	7.20	107	573594	61.18	ng	# 75
22) Acetophenone	7.18	105	845287	52.89	ng	# 95
24) Nitrobenzene	7.36	77	618260	48.96	ng	93
25) Isophorone	7.61	82	1181699	55.62	ng	98
26) 2-Nitrophenol	7.68	139	291208	52.25	ng	91
27) 2,4-Dimethylphenol	7.72	122	482658	49.30	ng	96
28) bis(2-Chloroethoxy)methane	7.81	93	677317	54.35	ng	100
29) 2,4-Dichlorophenol	7.93	162	496901	58.34	ng	96
30) 1,2,4-Trichlorobenzene	8.01	180	499218	51.57	ng	97
31) Naphthalene	8.09	128	1660569	53.50	ng	99
32) Benzoic acid	7.84	122	145005	23.43	ng	99
33) 4-Chloroaniline	8.13	127	151199	11.31	ng	99
34) Hexachlorobutadiene	8.20	225	270367	48.72	ng	97
35) Caprolactam	8.51	113	79126	31.81	ng	# 69
36) 4-Chloro-3-methylphenol	8.64	107	571531	59.83	ng	92
37) 2-Methylnaphthalene	8.77	142	1015443	50.55	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	8.94	216	464020	47.53	ng	98
40) Hexachlorocyclopentadiene	8.93	237	484081	111.21	ng	100

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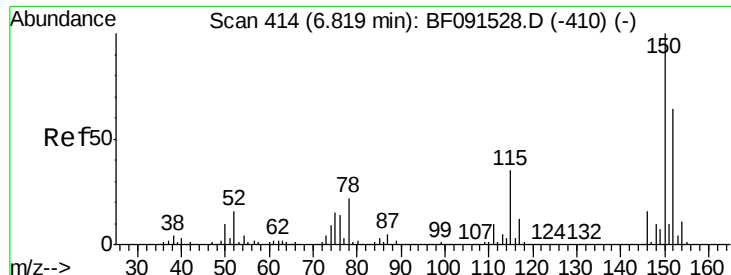
Instrument :
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Quant Time: Dec 16 21:59:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	9.06	196	360674	57.49	ng	98
43) 2,4,5-Trichlorophenol	9.10	196	316596	49.11	ng #	89
45) 1,1'-Biphenyl	9.24	154	1362538	52.84	ng	97
46) 2-Chloronaphthalene	9.26	162	1014011	50.79	ng	99
47) 2-Nitroaniline	9.36	65	320973	47.81	ng #	84
48) Acenaphthylene	9.68	152	1446756	47.53	ng	99
49) Dimethylphthalate	9.55	163	1416777	62.85	ng	99
50) 2,6-Dinitrotoluene	9.61	165	279559	56.51	ng #	90
51) Acenaphthene	9.85	154	1079410	51.06	ng	97
52) 3-Nitroaniline	9.77	138	118456	20.38	ng	92
53) 2,4-Dinitrophenol	9.88	184	240666	81.77	ng #	84
54) Dibenzofuran	10.02	168	1279545	48.92	ng	96
55) 4-Nitrophenol	9.95	139	456581	105.60	ng	90
56) 2,4-Dinitrotoluene	10.01	165	317825	51.25	ng #	50
57) Fluorene	10.36	166	994154	54.21	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.14	232	288092	57.08	ng	94
59) Diethylphthalate	10.25	149	1231708	56.75	ng	97
60) 4-Chlorophenyl-phenylether	10.36	204	492718	52.39	ng	99
61) 4-Nitroaniline	10.38	138	244247	42.29	ng	81
62) Azobenzene	10.51	77	1308100	53.19	ng	88
64) 4,6-Dinitro-2-methylphenol	10.42	198	204392	56.31	ng #	53
65) n-Nitrosodiphenylamine	10.48	169	892510	50.57	ng	99
66) 4-Bromophenyl-phenylether	10.84	248	287483	47.37	ng	92
67) Hexachlorobenzene	10.91	284	328309	52.02	ng #	86
68) Atrazine	11.01	200	334104	58.87	ng	95
69) Pentachlorophenol	11.10	266	349319	98.35	ng	94
70) Phenanthrene	11.32	178	1642718	56.03	ng	99
71) Anthracene	11.37	178	1480728	46.83	ng	100
72) Carbazole	11.53	167	1450942	52.35	ng	99
73) Di-n-butylphthalate	11.86	149	1704580	52.79	ng #	98
74) Fluoranthene	12.50	202	1490516	48.56	ng	96
76) Benzidine	12.62	184	262604	18.09	ng	98
77) Pyrene	12.73	202	1494563	40.13	ng	99
79) Butylbenzylphthalate	13.36	149	791875	54.55	ng	99
80) Benzo(a)anthracene	13.92	228	1233280	45.24	ng	99
81) 3,3'-Dichlorobenzidine	13.88	252	275146	28.11	ng	99
82) Chrysene	13.95	228	1130366	39.63	ng	99
83) Bis(2-ethylhexyl)phthalate	13.92	149	954741	51.26	ng	99
84) Di-n-octyl phthalate	14.52	149	1622464	51.32	ng #	91
85) Indeno(1,2,3-cd)pyrene	16.67	276	1065206	41.50	ng	97
87) Benzo(b)fluoranthene	14.96	252	2153555	95.71	ng	100
88) Benzo(k)fluoranthene	14.96	252	2154148	108.88	ng	98
89) Benzo(a)pyrene	15.27	252	1024752	50.55	ng	98
90) Dibenzo(a,h)anthracene	16.69	278	870621	47.95	ng #	94
91) Benzo(g,h,i)perylene	17.08	276	885352	47.91	ng	99

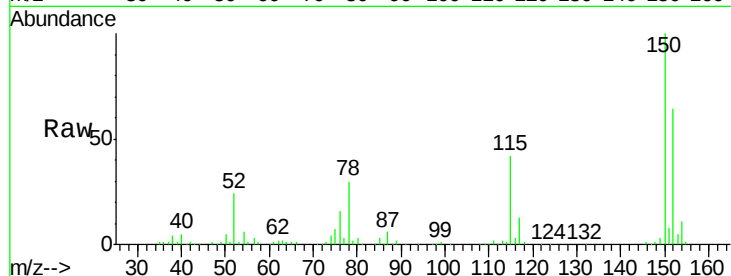
(#) = qualifier out of range (m) = manual integration (+) = signals summed



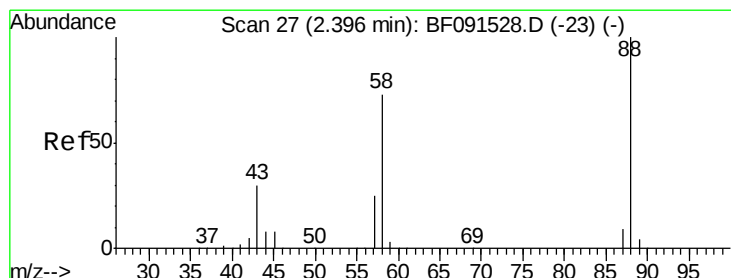
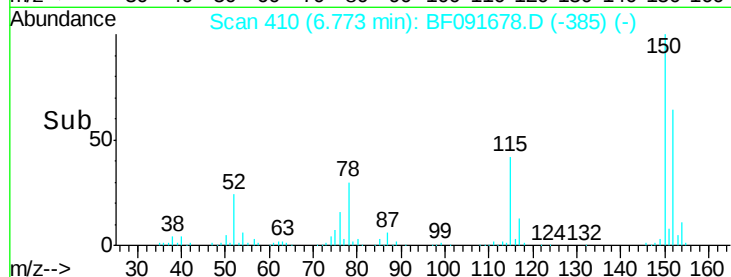
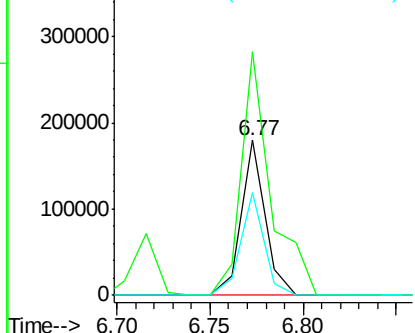
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.77 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion:152 Resp: 159543
 Ion Ratio Lower Upper
 152 100
 150 157.2 122.5 183.7
 115 66.2 51.8 77.8

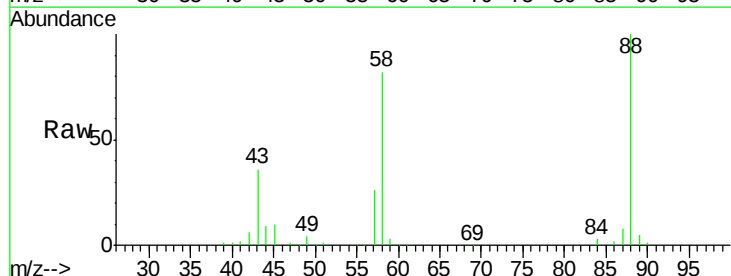


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

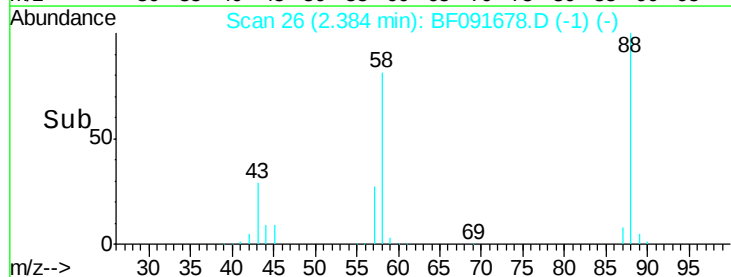
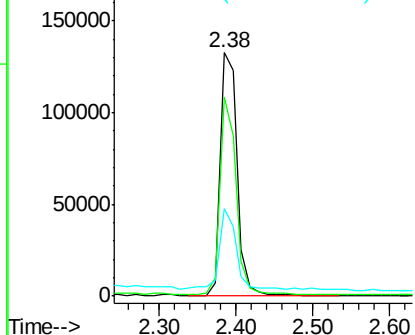


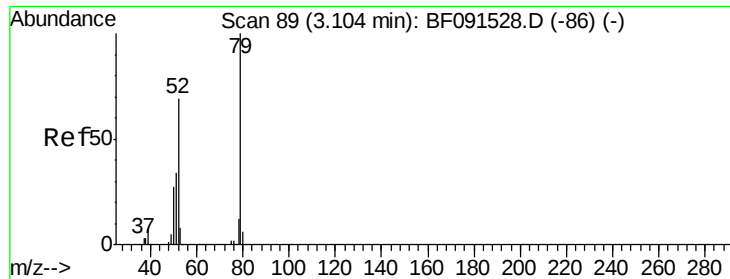
#2
 1,4-Dioxane
 Concen: 40.64 ng
 RT: 2.38 min Scan# 26
 Delta R.T. 0.06 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Tgt Ion: 88 Resp: 203139
 Ion Ratio Lower Upper
 88 100
 58 78.3 70.3 105.5
 43 36.6 31.3 46.9



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 41.18 ng

RT: 3.07 min Scan# 86

Delta R.T. 0.05 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

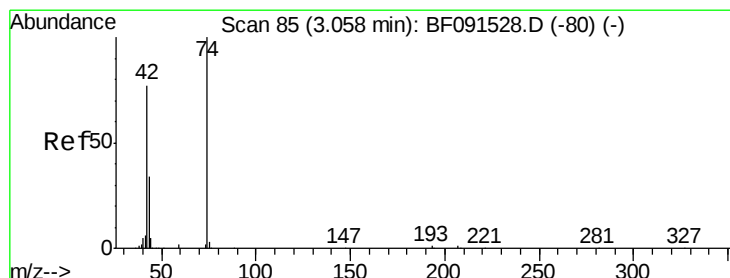
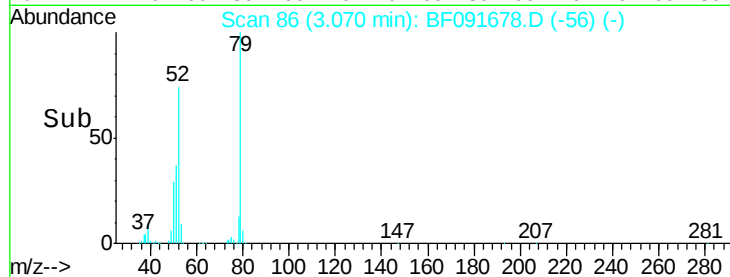
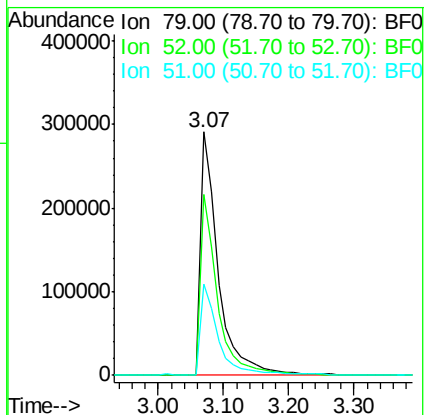
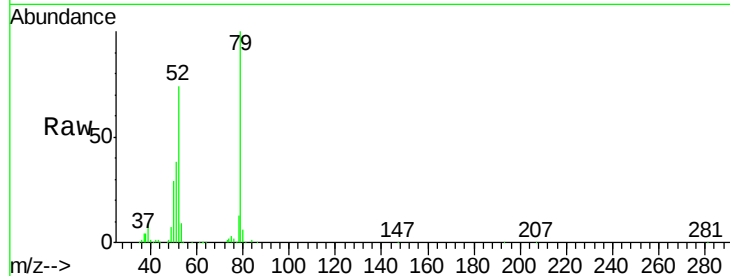
Tgt Ion: 79 Resp: 548348

Ion Ratio Lower Upper

79 100

52 74.2 71.0 106.4

51 37.6 37.0 55.4



#4

n-Nitrosodimethylamine

Concen: 52.63 ng

RT: 3.04 min Scan# 83

Delta R.T. 0.06 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

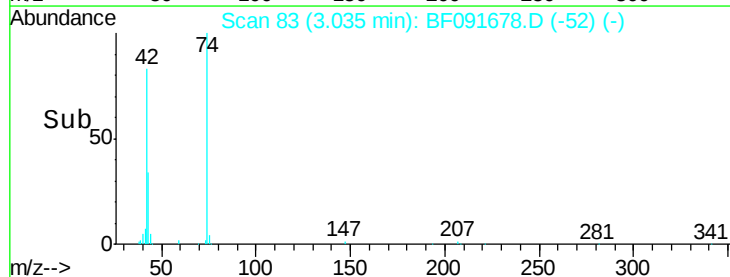
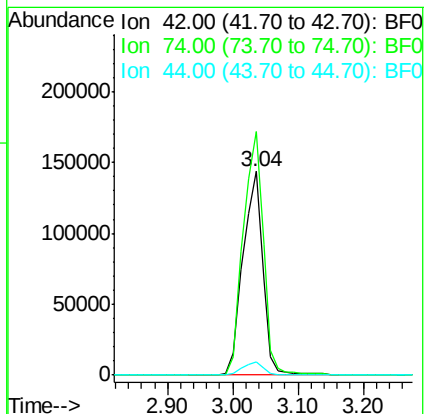
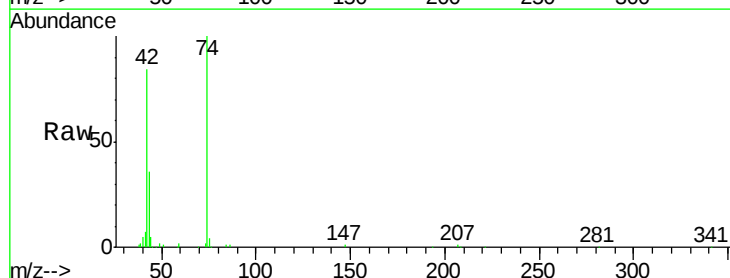
Tgt Ion: 42 Resp: 301107

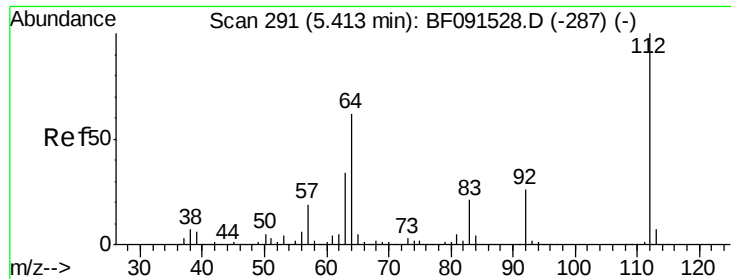
Ion Ratio Lower Upper

42 100

74 119.7 78.9 118.3#

44 6.6 5.8 8.6





#5

2-Fluorophenol

Concen: 163.01 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

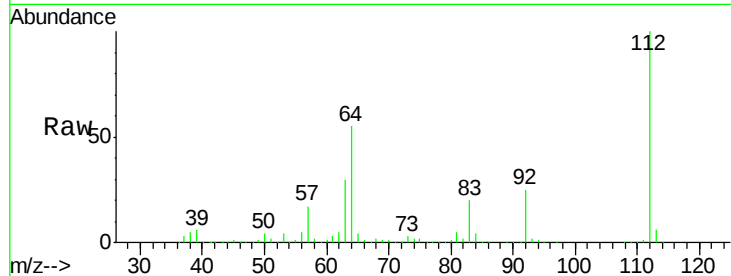
Tgt Ion: 112 Resp: 1543651

Ion Ratio Lower Upper

112 100

64 55.1 61.5 92.3#

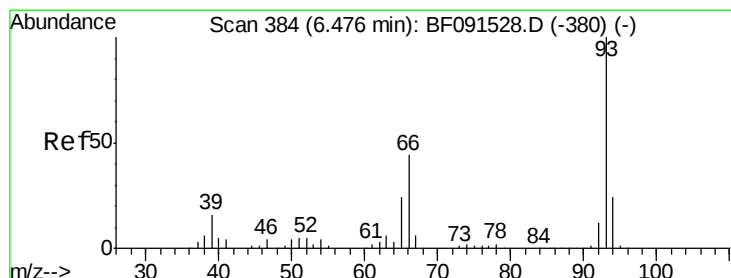
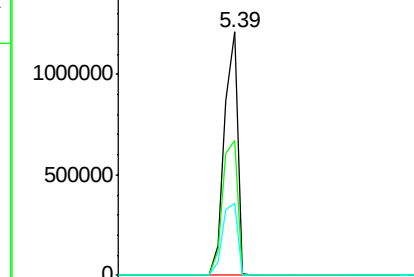
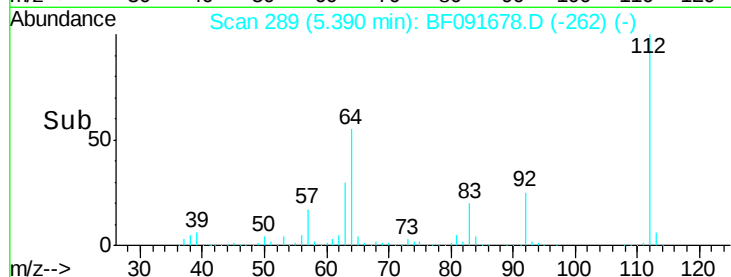
63 29.8 33.3 49.9#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.30 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

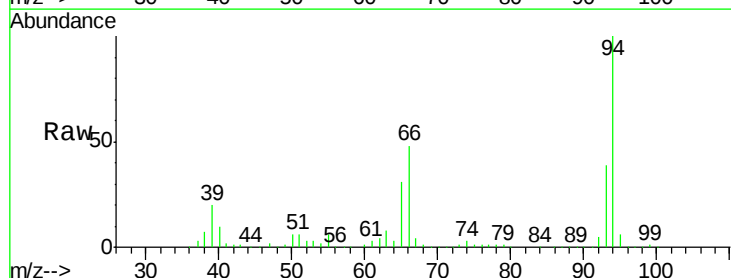
Tgt Ion: 93 Resp: 298699

Ion Ratio Lower Upper

93 100

66 120.5 55.8 83.6#

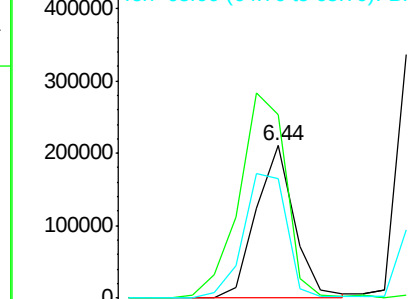
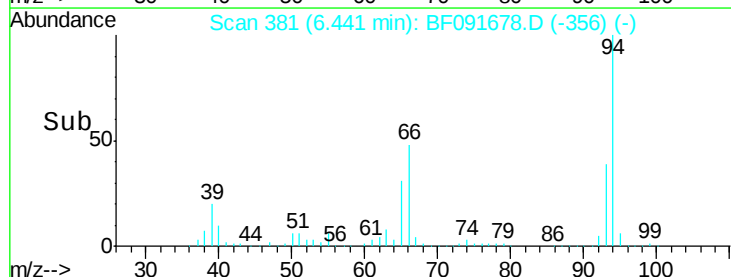
65 78.7 29.9 44.9#

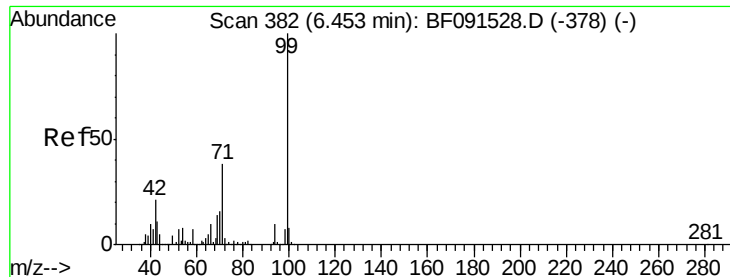


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 161.11 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

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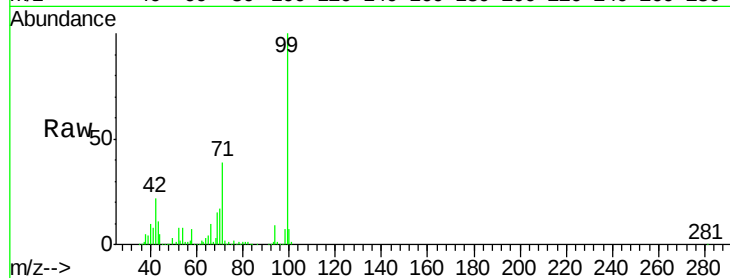
Tgt Ion: 99 Resp: 1902079

Ion Ratio Lower Upper

99 100

42 22.2 20.6 31.0

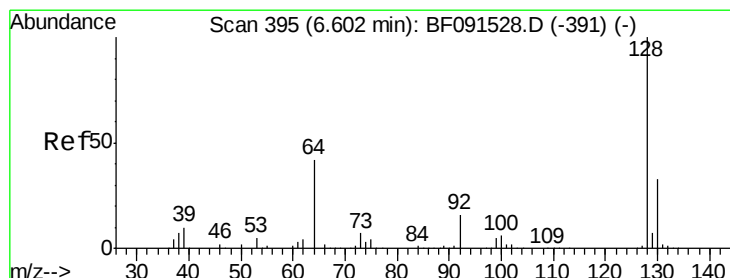
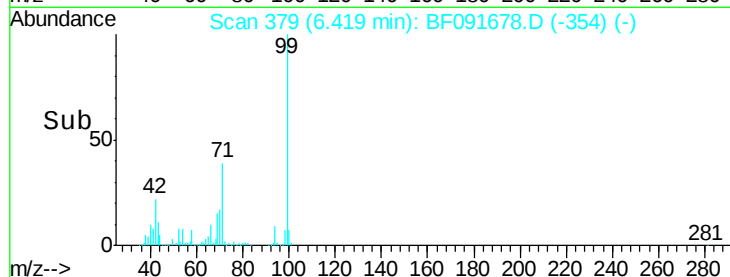
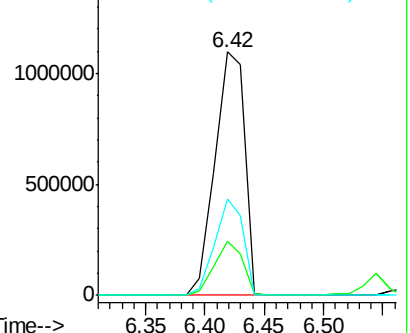
71 39.5 29.9 44.9



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 52.94 ng

RT: 6.57 min Scan# 392

Delta R.T. -0.00 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

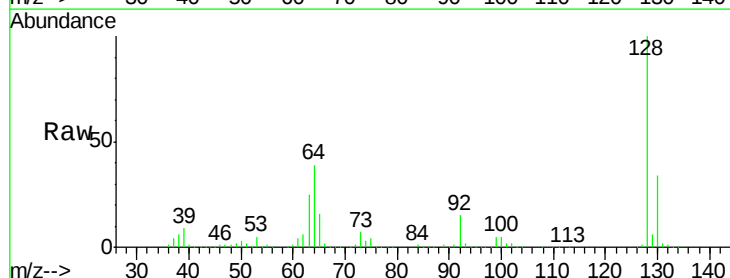
Tgt Ion: 128 Resp: 565878

Ion Ratio Lower Upper

128 100

130 33.8 13.1 53.1

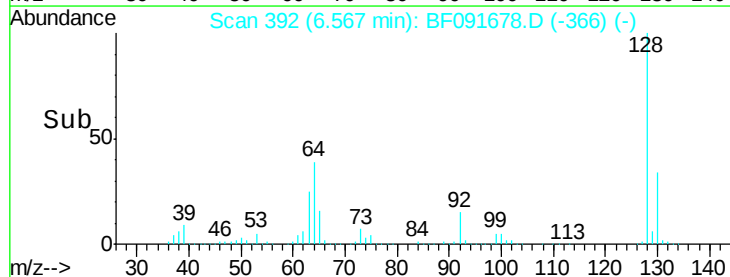
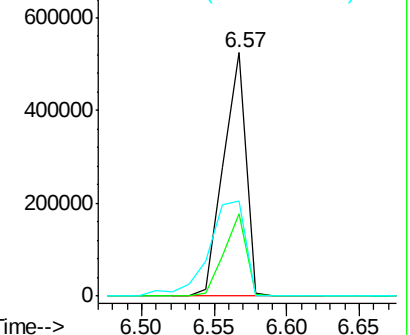
64 39.0 24.1 64.1

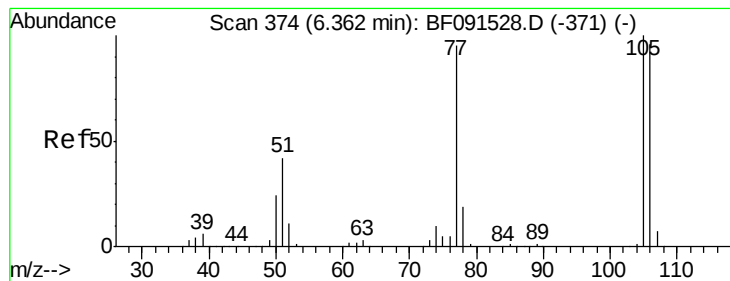


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 12.71 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

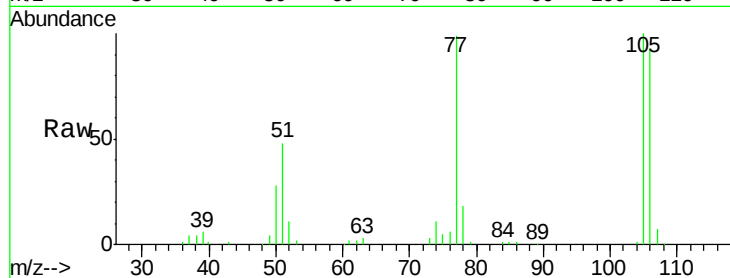
Tgt Ion: 77 Resp: 103230

Ion Ratio Lower Upper

77 100

105 100.7 66.4 106.4

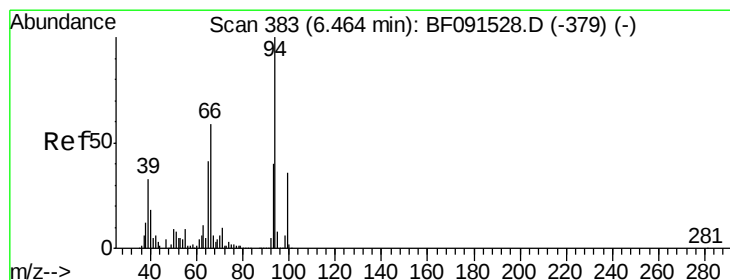
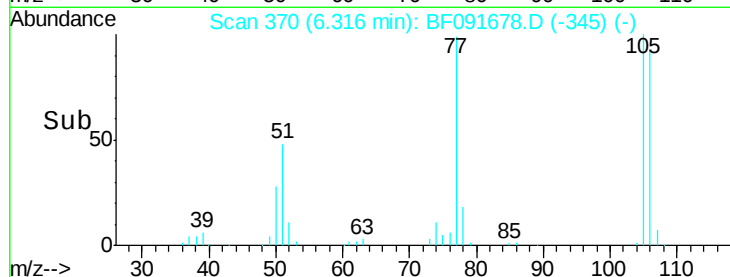
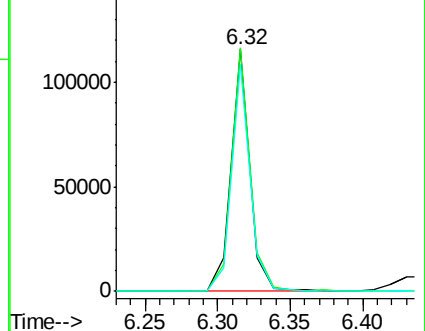
106 93.8 60.9 100.9



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 52.49 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

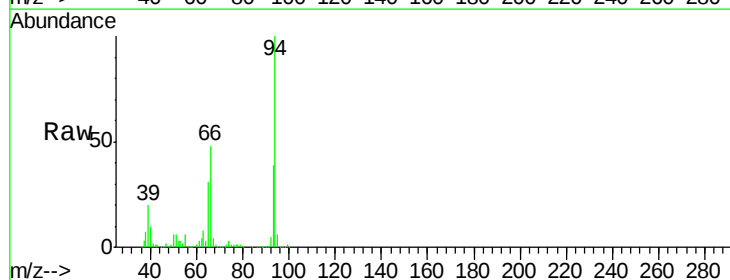
Tgt Ion: 94 Resp: 724585

Ion Ratio Lower Upper

94 100

65 31.0 16.9 56.9

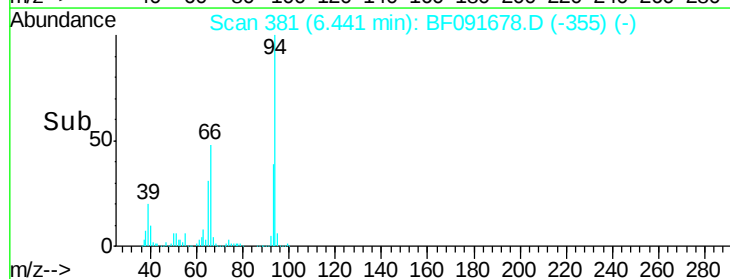
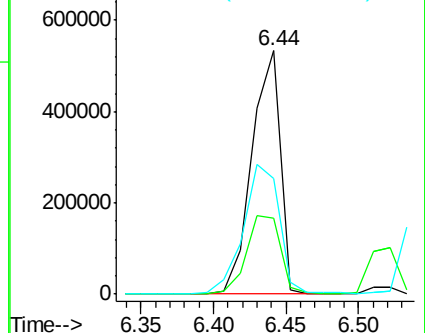
66 47.6 30.6 70.6

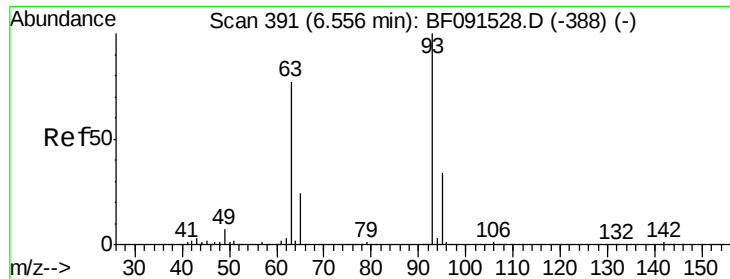


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

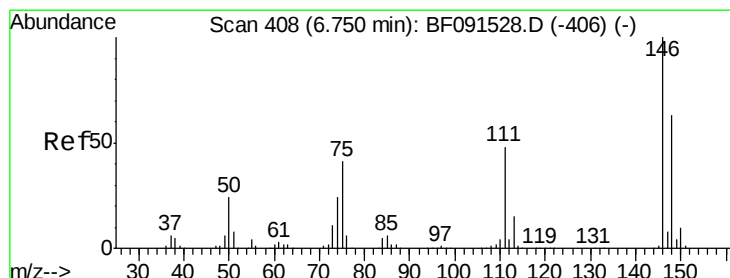
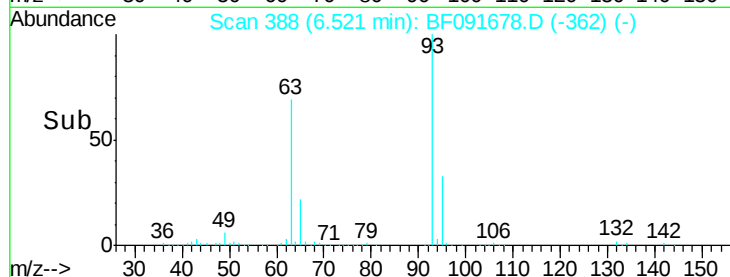
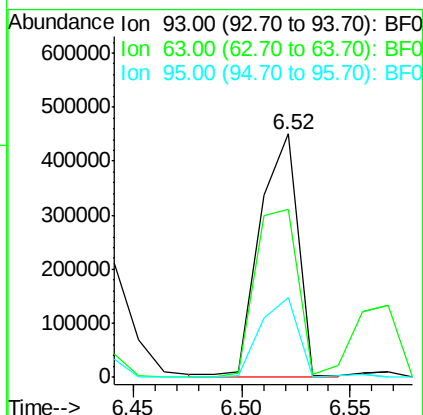
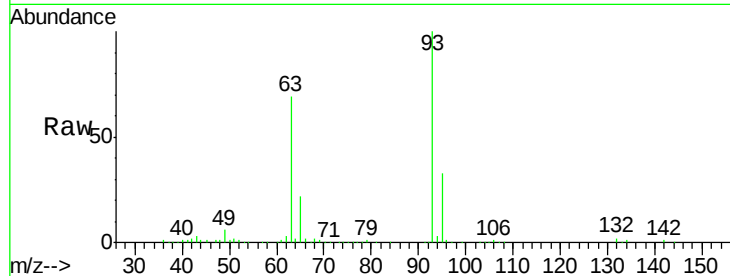




#11
bis(2-Chloroethyl)ether
Concen: 53.49 ng
RT: 6.52 min Scan# 388
Delta R.T. -0.00 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

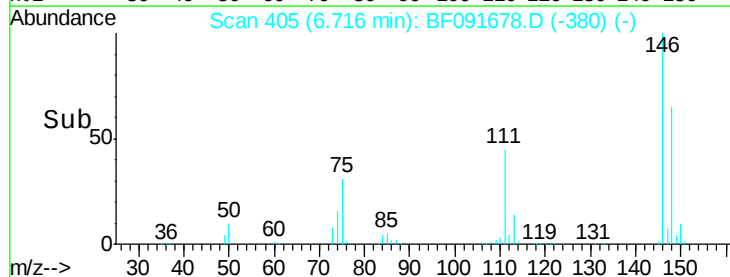
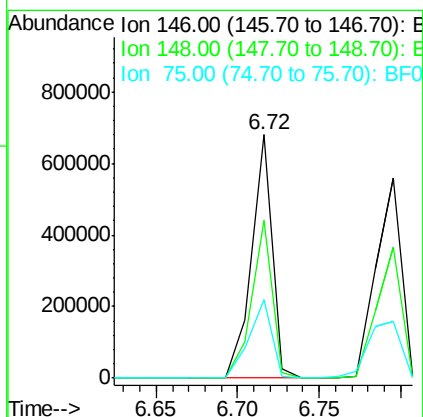
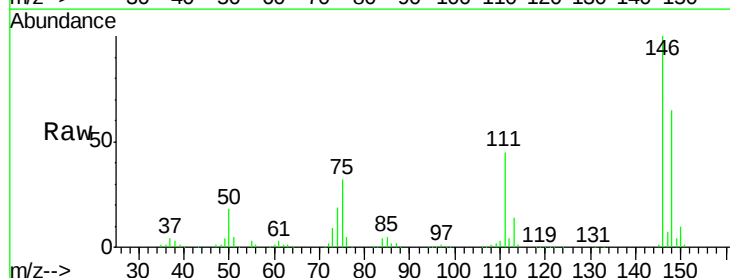
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

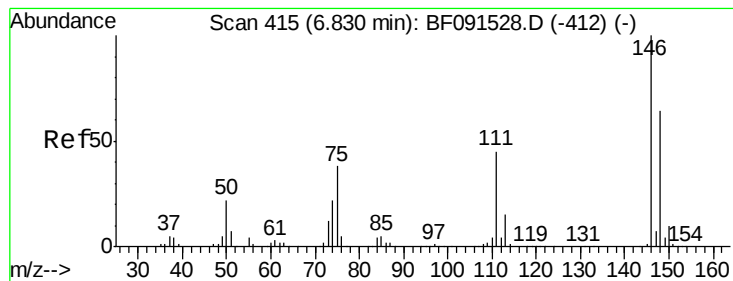
Tgt Ion: 93 Resp: 554712
Ion Ratio Lower Upper
93 100
63 69.1 74.8 114.8#
95 33.0 12.4 52.4



#12
1,3-Dichlorobenzene
Concen: 51.54 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion: 146 Resp: 597395
Ion Ratio Lower Upper
146 100
148 65.1 51.4 77.0
75 32.3 23.6 35.4





#13

1,4-Dichlorobenzene

Concen: 52.49 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

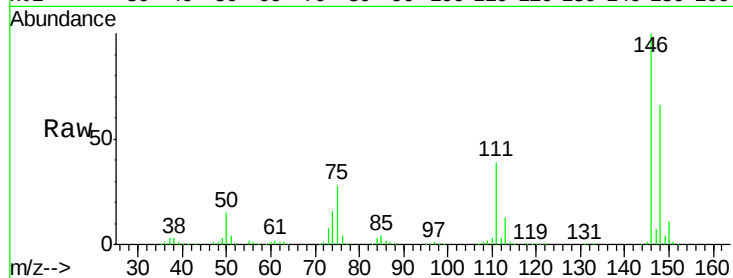
Tgt Ion:146 Resp: 600136

Ion Ratio Lower Upper

146 100

148 65.7 51.4 77.0

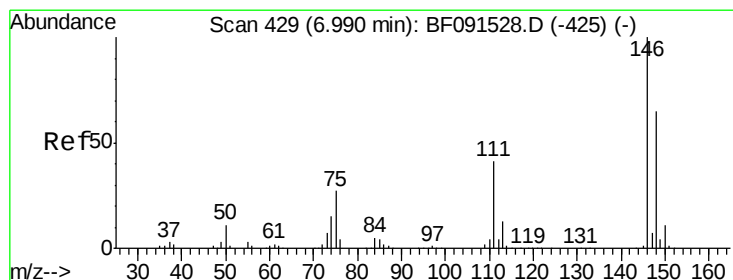
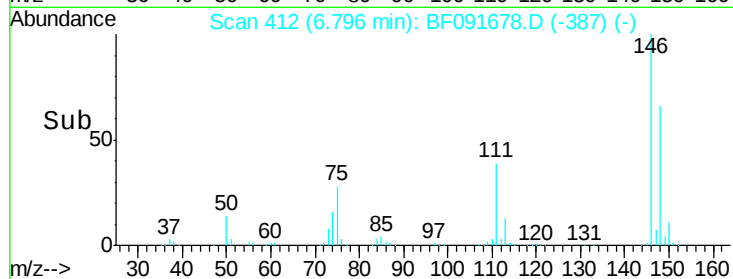
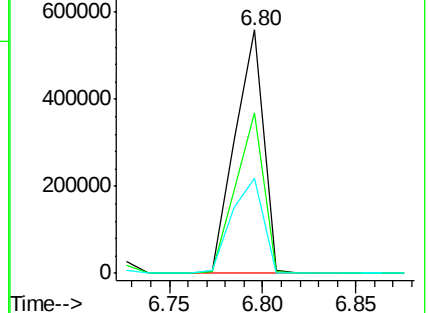
111 39.2 32.2 48.2



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 52.25 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

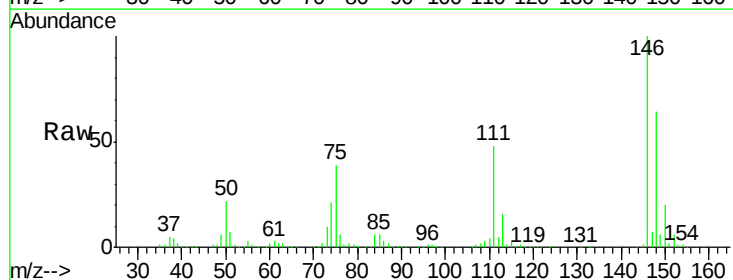
Tgt Ion:146 Resp: 538354

Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.6

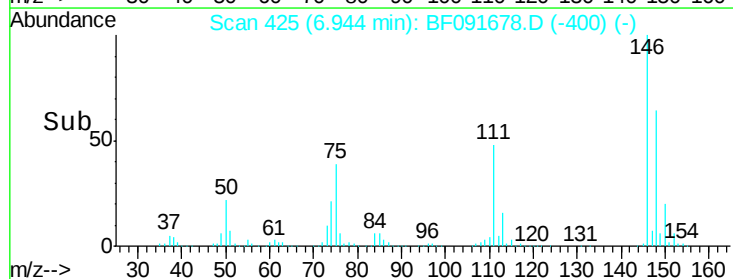
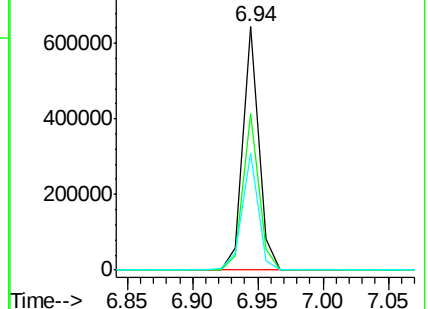
111 48.2 38.9 58.3

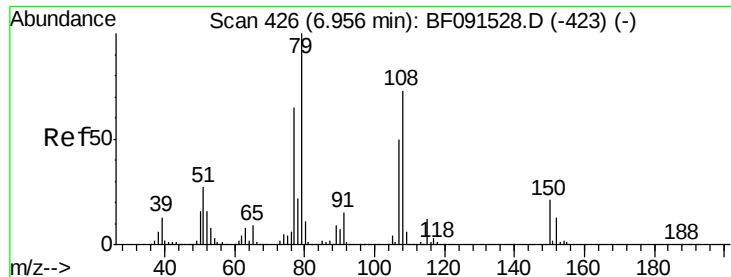


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 52.81 ng

RT: 6.92 min Scan# 423

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

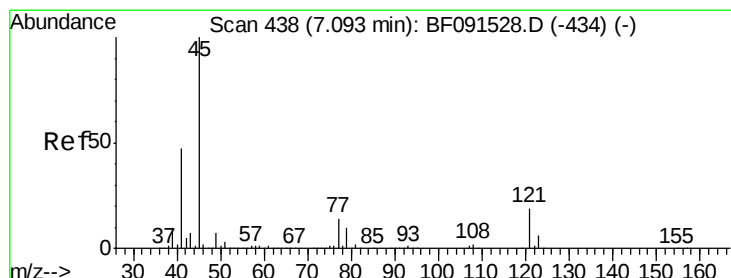
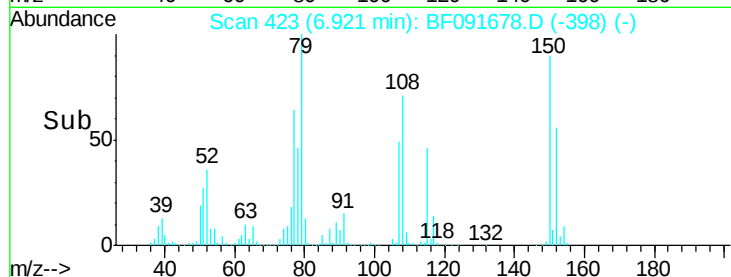
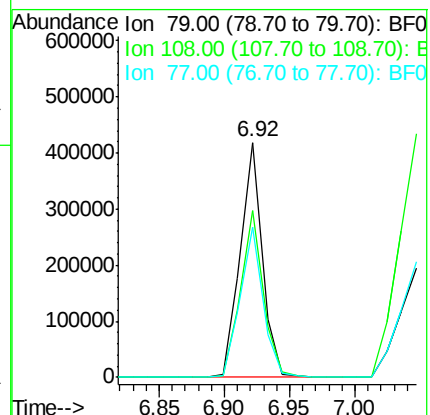
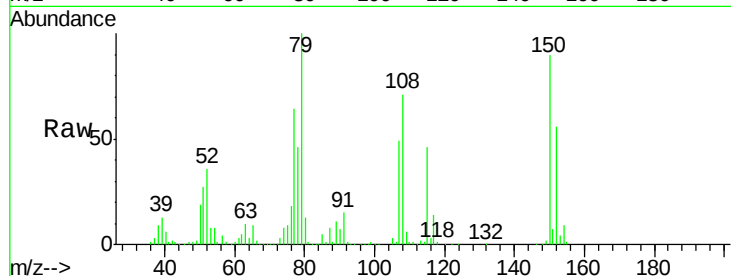
Tgt Ion: 79 Resp: 492220

Ion Ratio Lower Upper

79 100

108 70.9 62.7 94.1

77 63.9 51.7 77.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.62 ng

RT: 7.06 min Scan# 435

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

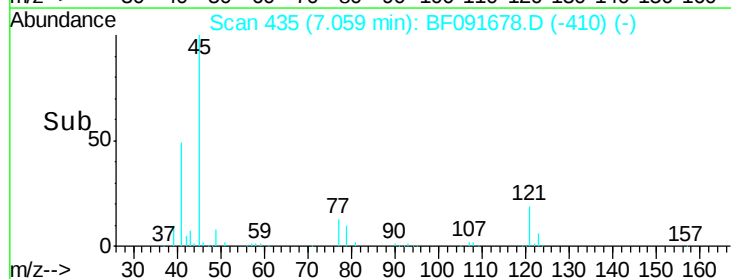
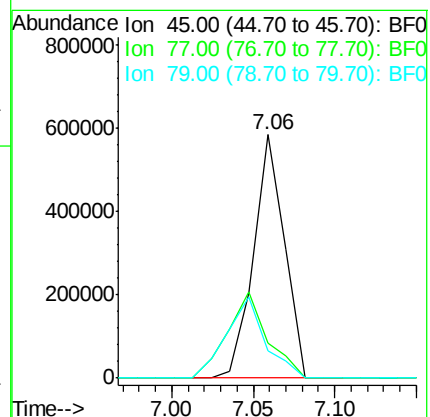
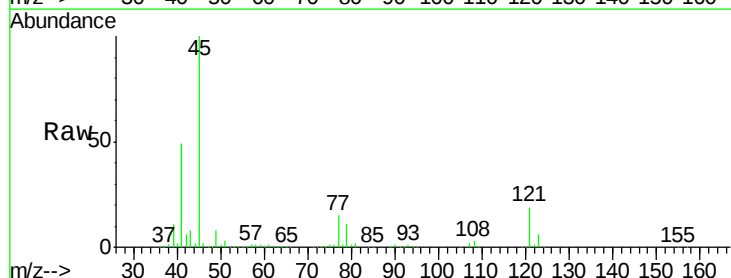
Tgt Ion: 45 Resp: 765266

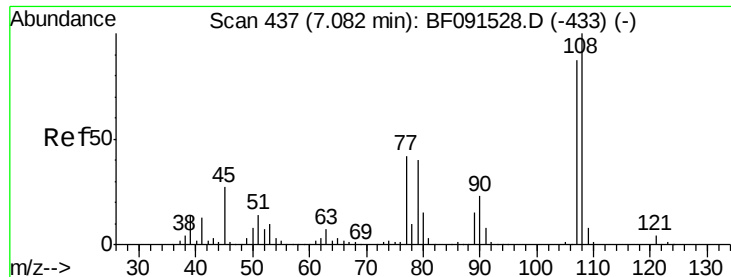
Ion Ratio Lower Upper

45 100

77 14.5 3.8 43.8

79 11.3 0.2 40.2





#17

2-Methylphenol

Concen: 55.07 ng

RT: 7.05 min Scan# 434

Delta R.T. -0.00 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

Tgt Ion:107 Resp: 487046

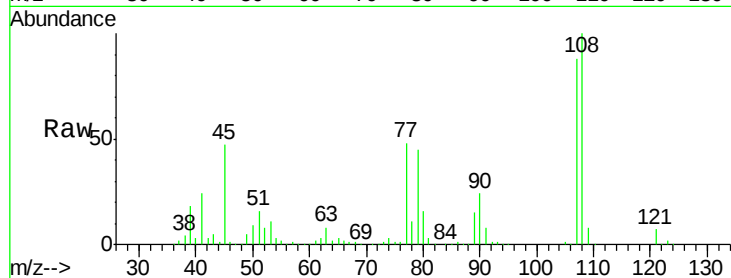
Ion Ratio Lower Upper

107 100

108 114.2 67.7 101.5#

77 54.4 40.7 61.1

79 51.3 23.4 35.2#

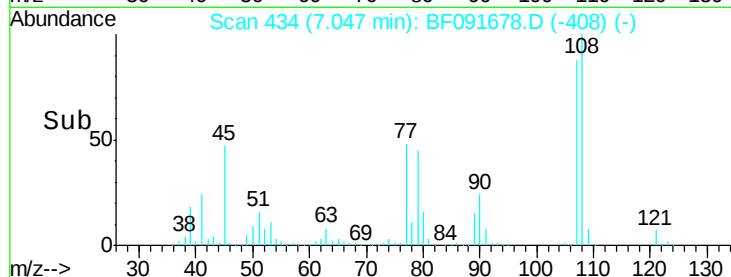


Abundance Ion 107.00 (106.70 to 107.70): E

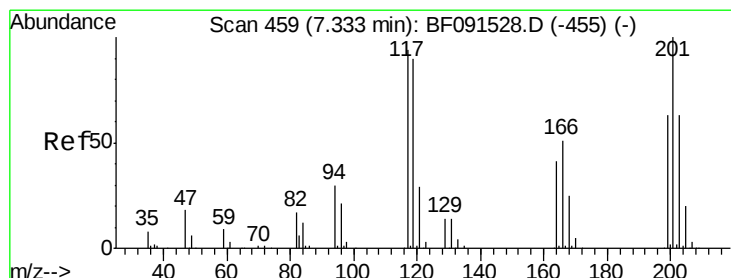
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



Time-->



#18

Hexachloroethane

Concen: 50.38 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

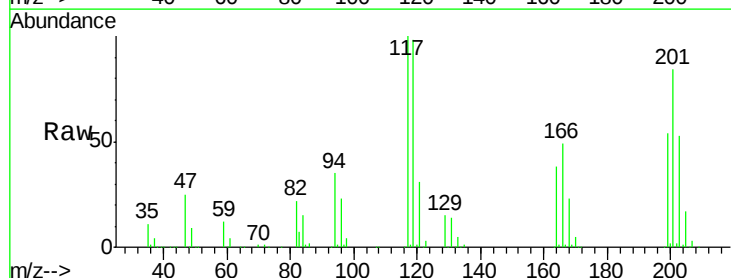
Tgt Ion:117 Resp: 224812

Ion Ratio Lower Upper

117 100

119 97.6 78.6 118.0

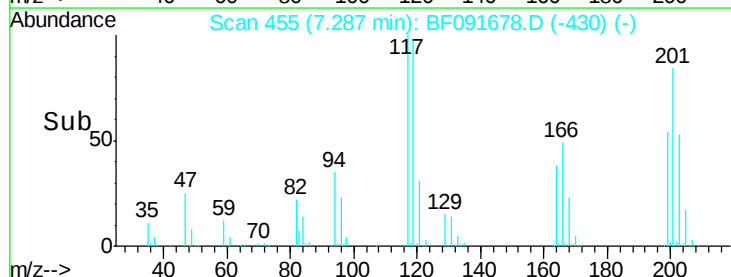
201 84.0 86.7 130.1#



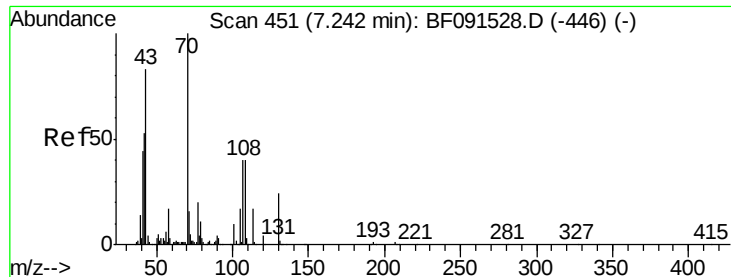
Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



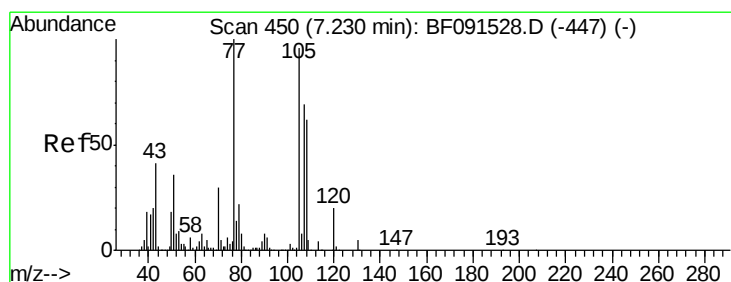
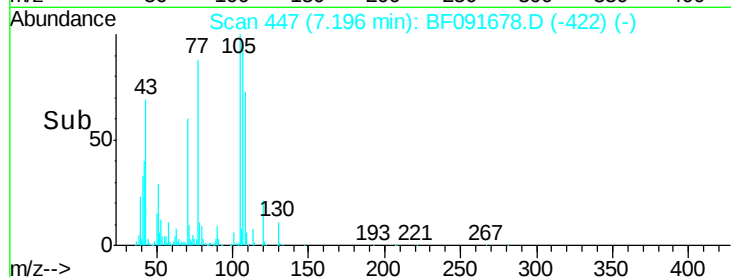
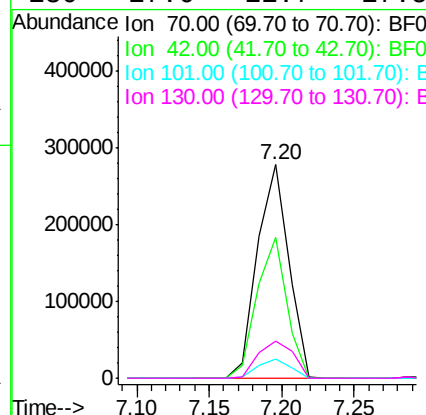
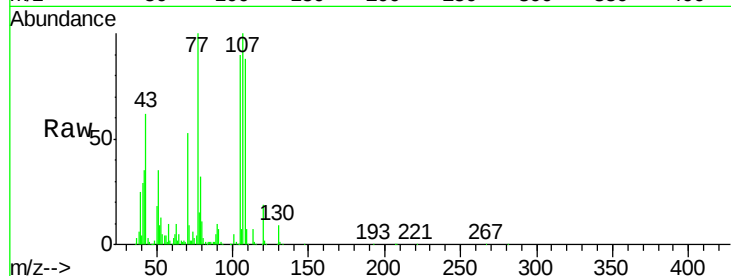
Time-->



#19
n-Nitroso-di-n-propylamine
Concen: 56.40 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

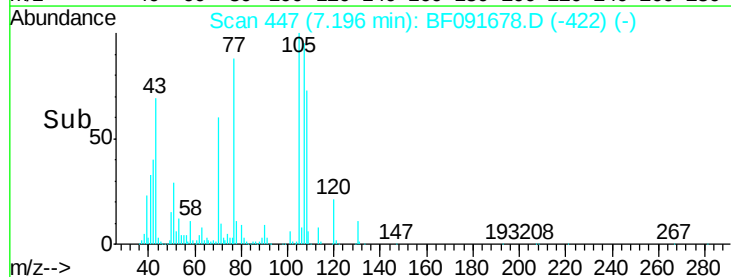
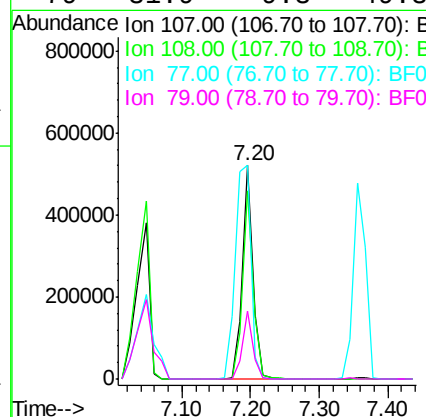
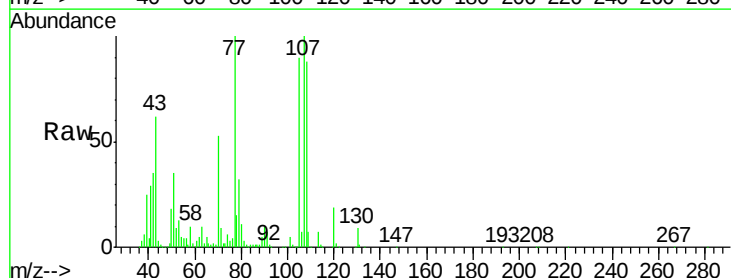
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

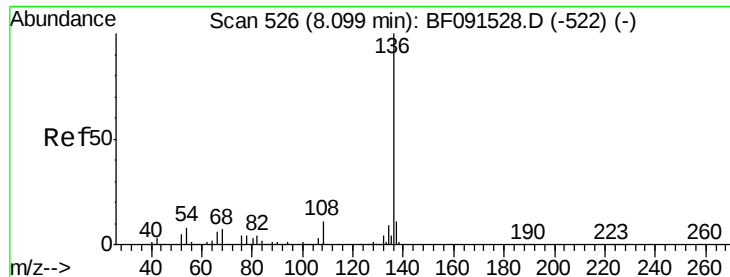
Tgt Ion: 70 Resp: 416388
Ion Ratio Lower Upper
70 100
42 65.7 64.8 97.2
101 9.2 6.2 9.4
130 17.6 11.7 17.5#



#20
3+4-Methylphenols
Concen: 61.18 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion: 107 Resp: 573594
Ion Ratio Lower Upper
107 100
108 88.1 64.6 104.6
77 100.1 30.9 70.9#
79 31.9 9.3 49.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

Tgt Ion:136 Resp: 667104

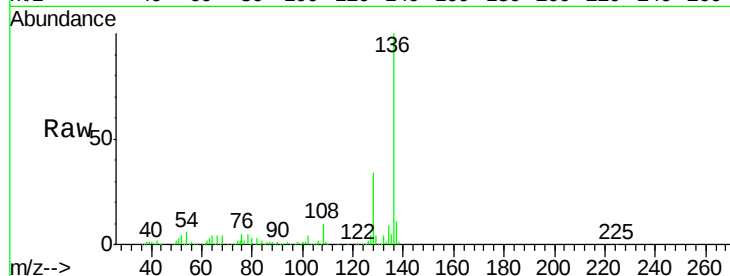
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 6.1 9.1 13.7#

68 4.4 5.9 8.9#

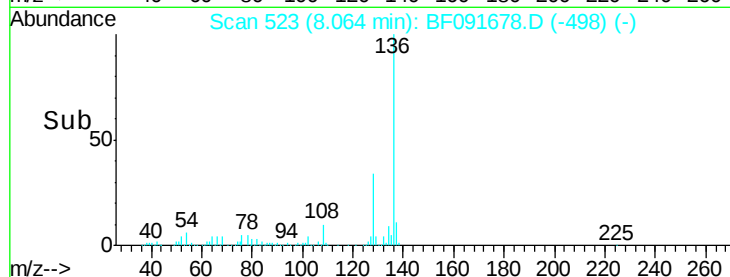


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

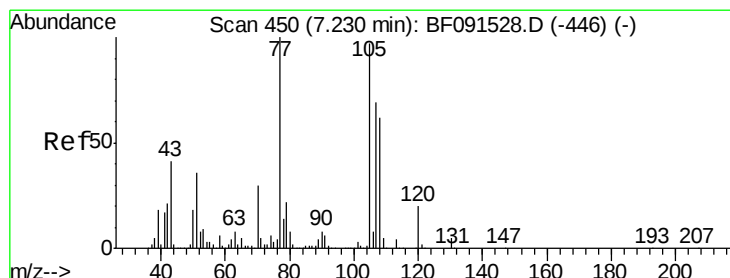
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.06



#22

Acetophenone

Concen: 52.89 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Tgt Ion:105 Resp: 845287

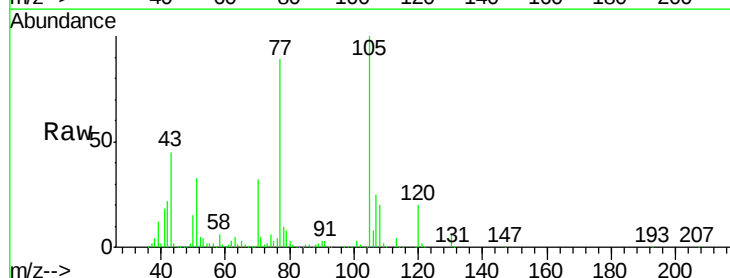
Ion Ratio Lower Upper

105 100

71 5.1 7.9 11.9#

51 32.9 24.5 36.7

120 19.9 16.6 24.8

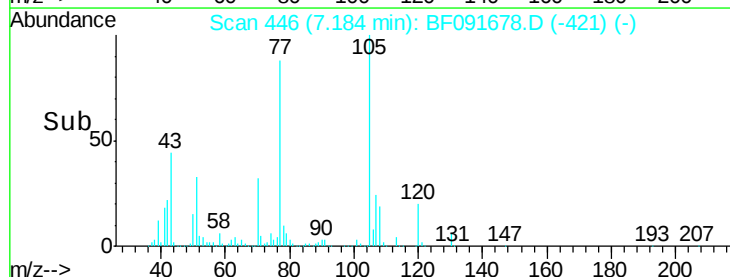


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

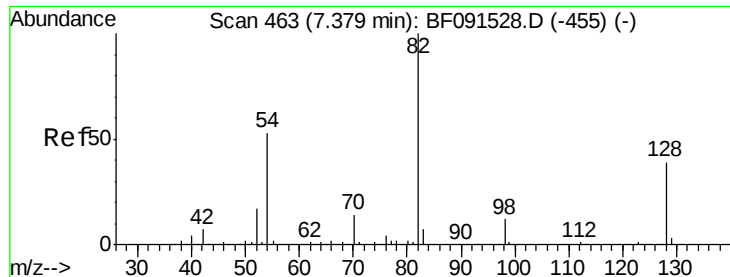
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

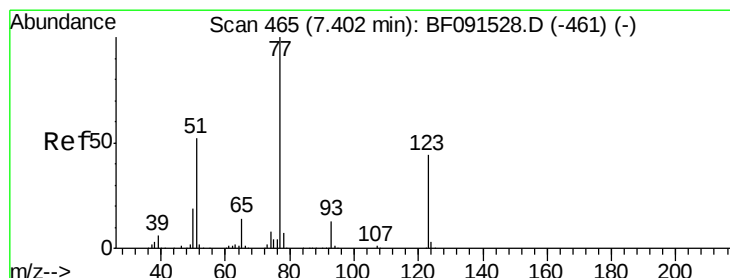
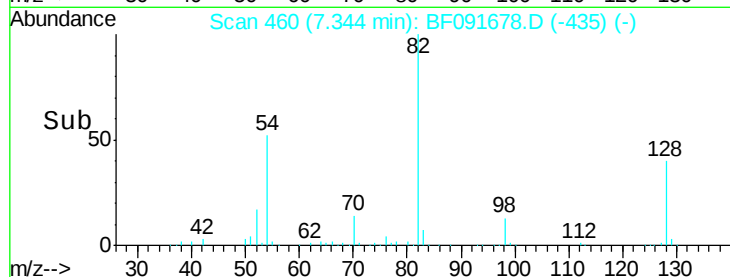
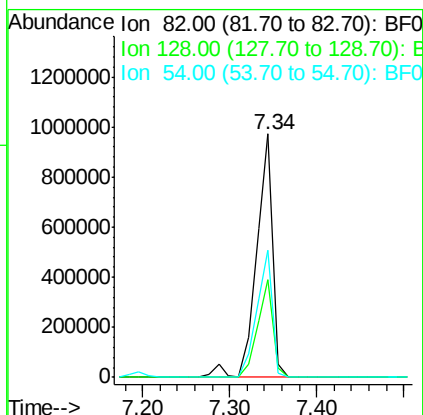
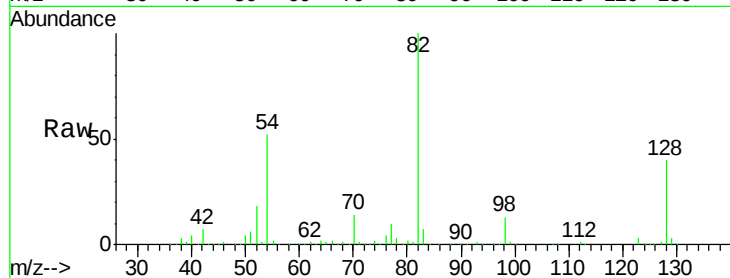
7.18



#23
 Nitrobenzene-d5
 Concen: 106.30 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

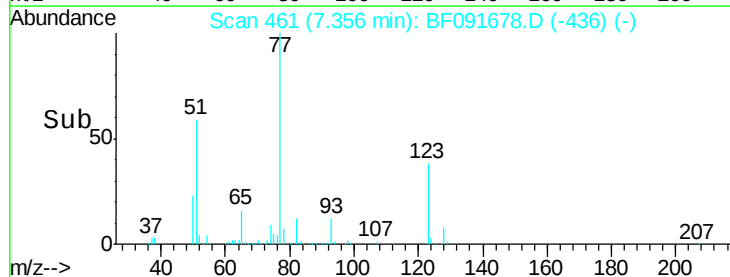
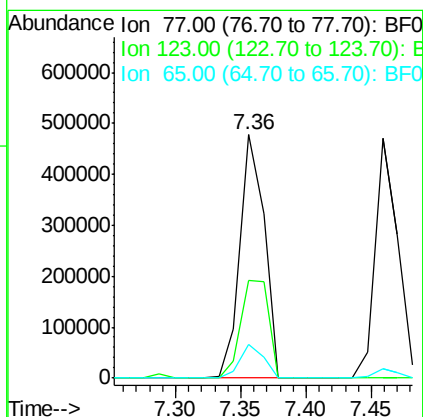
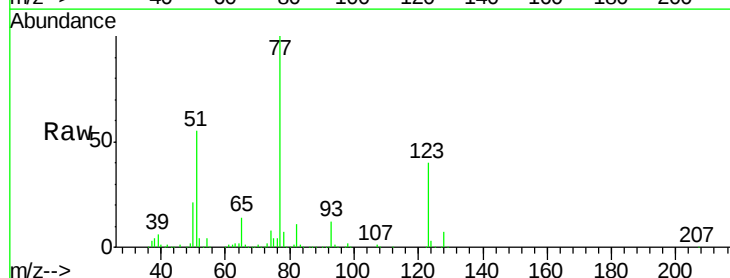
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

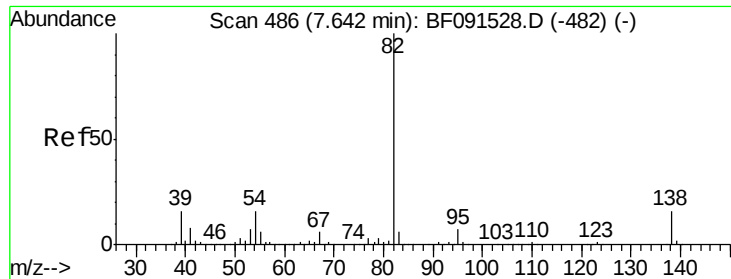
Tgt Ion: 82 Resp: 1270506
 Ion Ratio Lower Upper
 82 100
 128 39.9 31.8 47.6
 54 52.1 49.1 73.7



#24
 Nitrobenzene
 Concen: 48.96 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Tgt Ion: 77 Resp: 618260
 Ion Ratio Lower Upper
 77 100
 123 40.1 28.5 42.7
 65 13.9 12.5 18.7

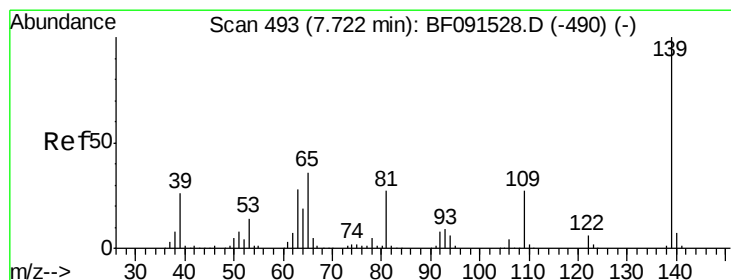
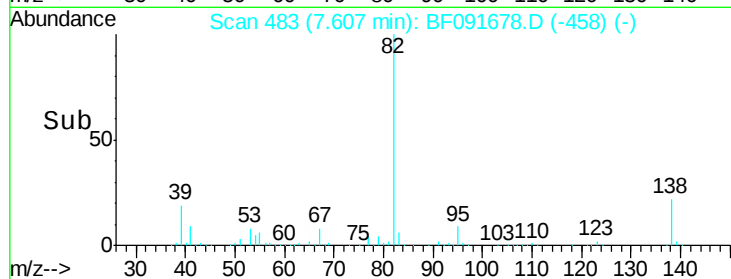
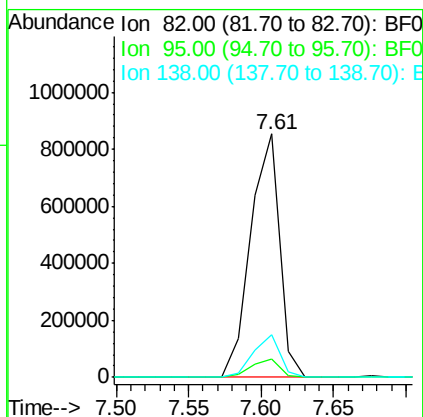
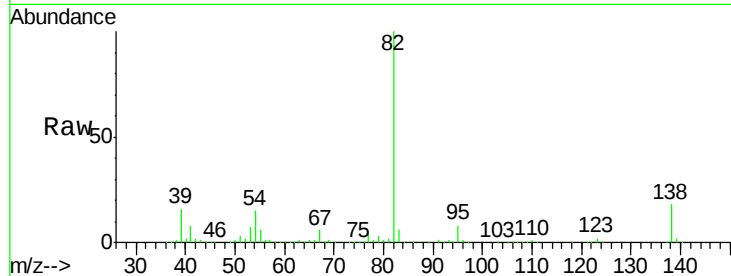




#25
Isophorone
Concen: 55.62 ng
RT: 7.61 min Scan# 483
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

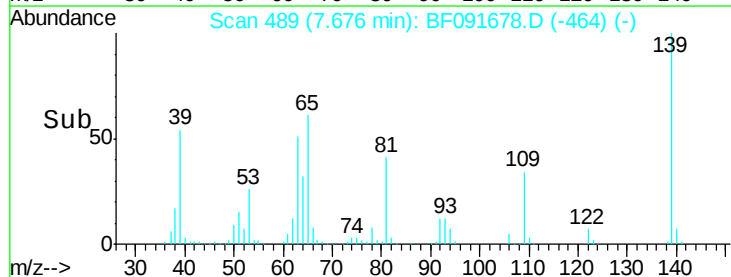
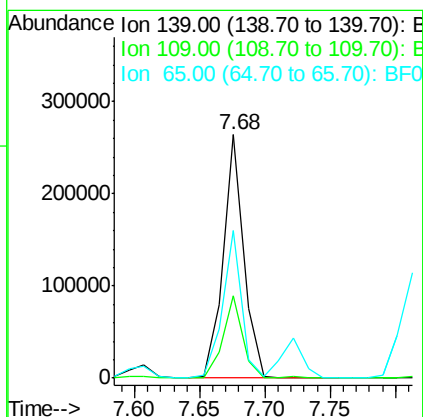
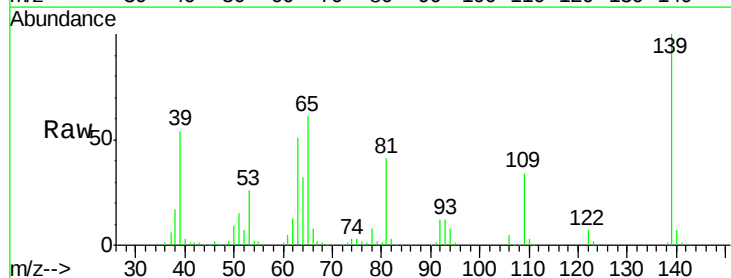
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

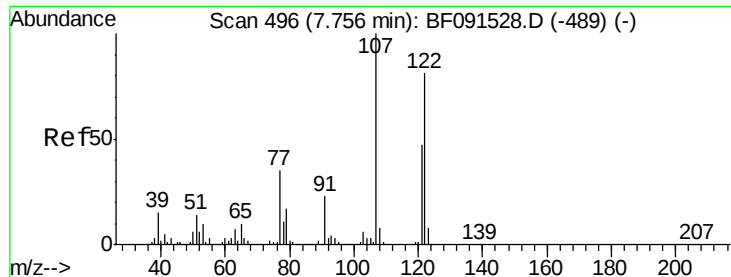
Tgt Ion: 82 Resp: 1181699
Ion Ratio Lower Upper
82 100
95 7.6 5.7 8.5
138 17.6 13.4 20.0



#26
2-Nitrophenol
Concen: 52.25 ng
RT: 7.68 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion: 139 Resp: 291208
Ion Ratio Lower Upper
139 100
109 33.6 25.3 37.9
65 60.6 55.4 83.2





#27

2,4-Dimethylphenol

Concen: 49.30 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

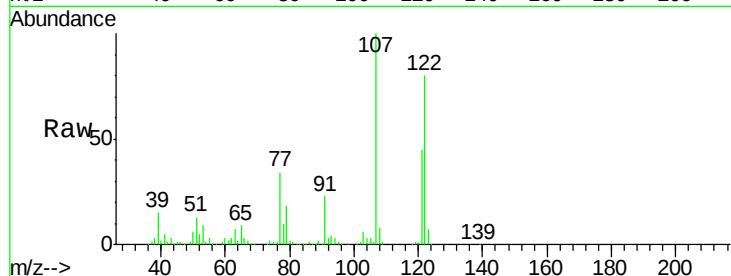
Tgt Ion:122 Resp: 482658

Ion Ratio Lower Upper

122 100

107 124.8 96.8 145.2

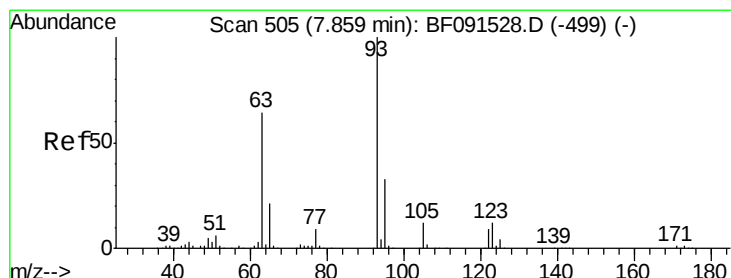
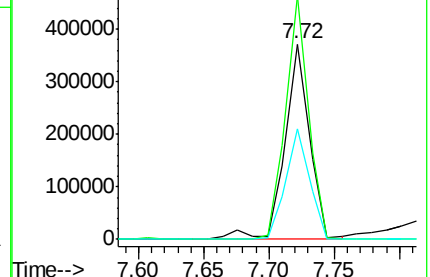
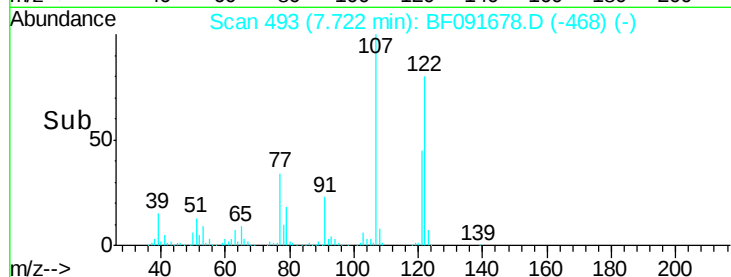
121 56.7 47.7 71.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 54.35 ng

RT: 7.81 min Scan# 501

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

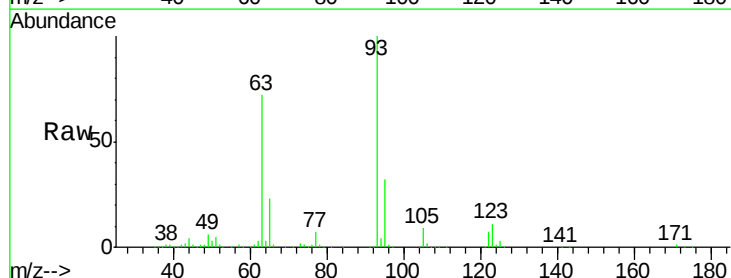
Tgt Ion: 93 Resp: 677317

Ion Ratio Lower Upper

93 100

95 32.5 26.0 39.0

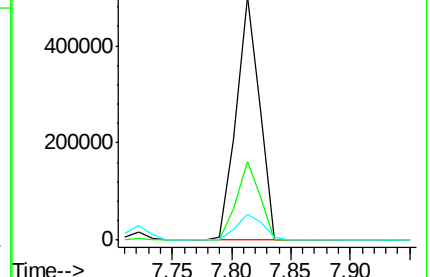
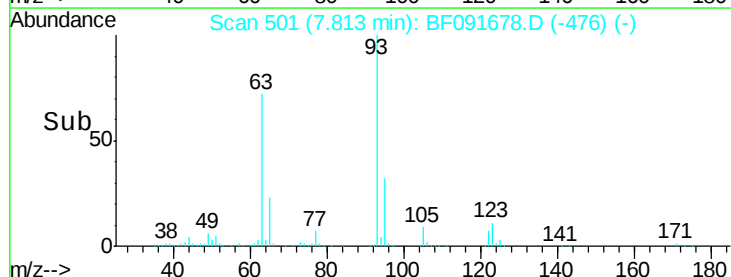
123 10.7 8.6 12.8

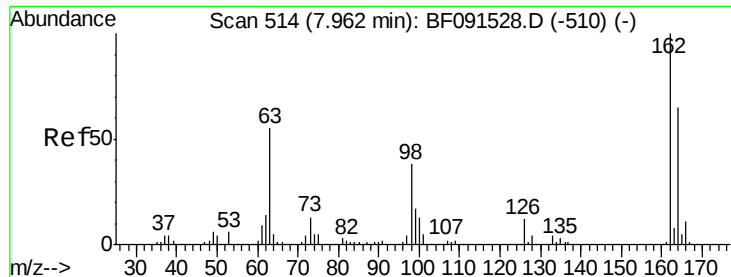


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

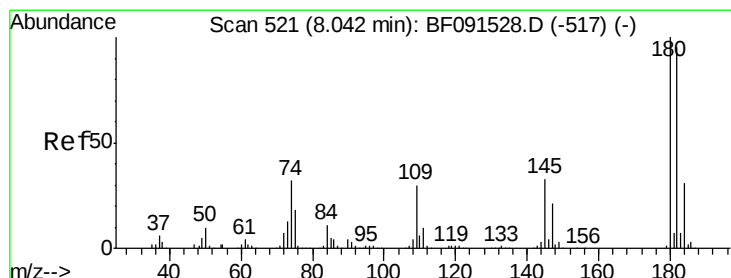
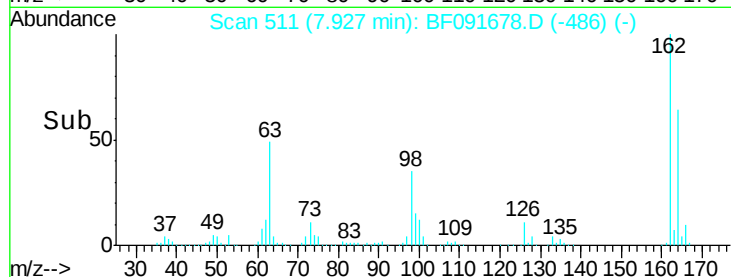
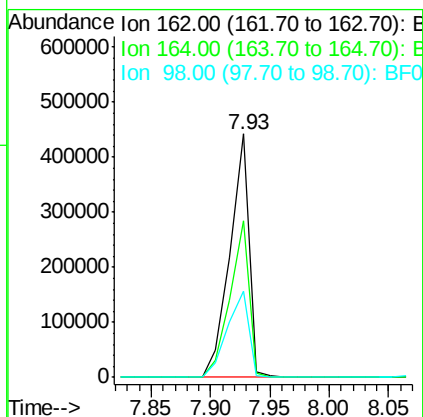
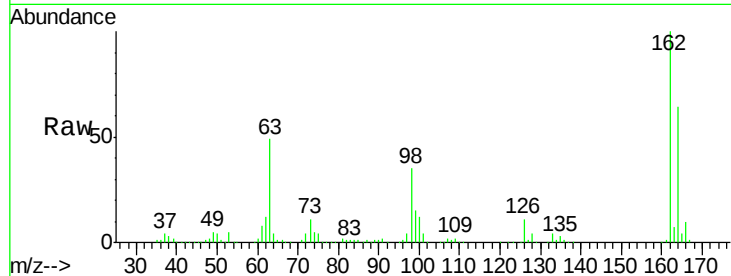




#29
 2,4-Dichlorophenol
 Concen: 58.34 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

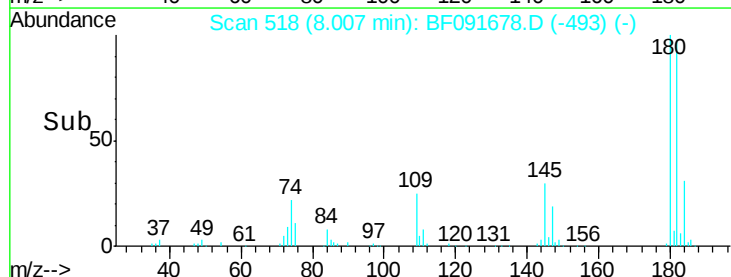
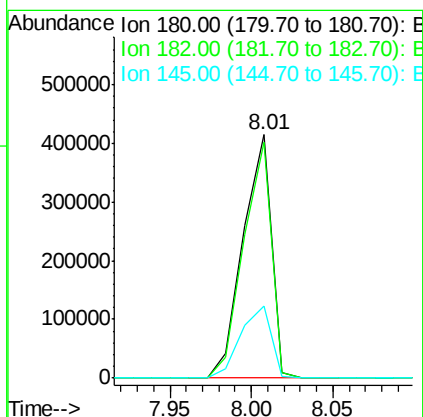
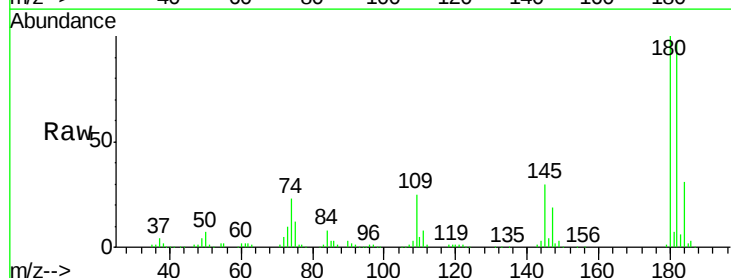
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

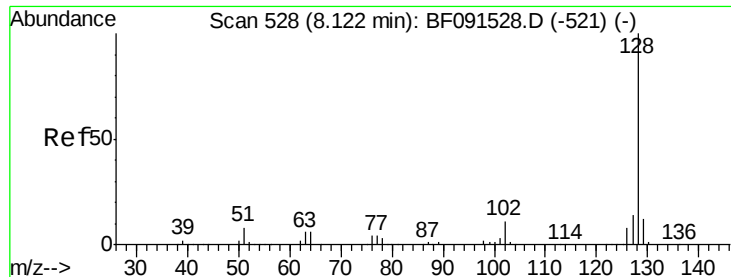
Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.3	45.0	85.0
98	35.3	21.3	61.3



#30
 1,2,4-Trichlorobenzene
 Concen: 51.57 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	75.8	113.8
145	29.9	27.0	40.4

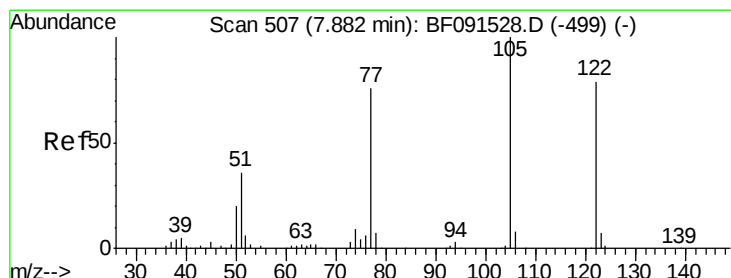
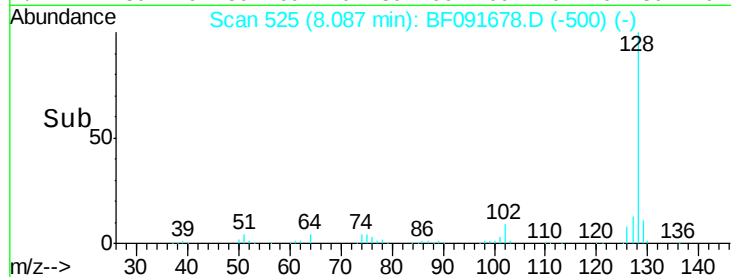
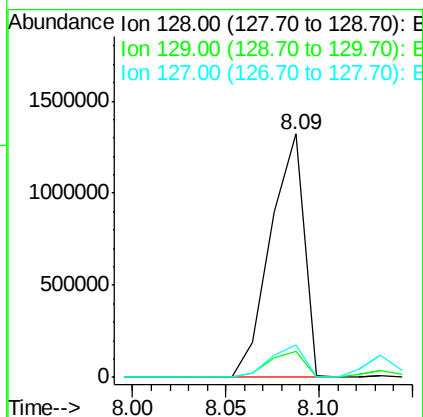
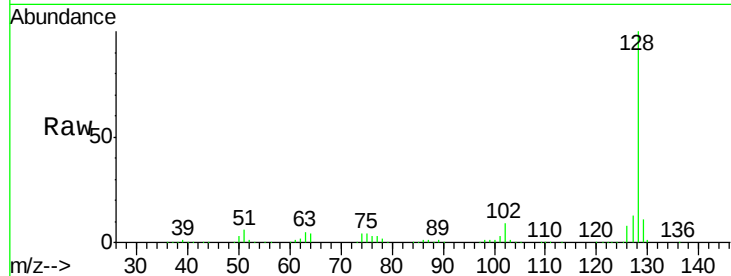




#31
Naphthalene
Concen: 53.50 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

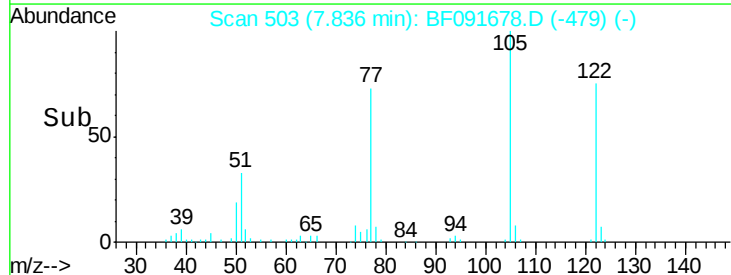
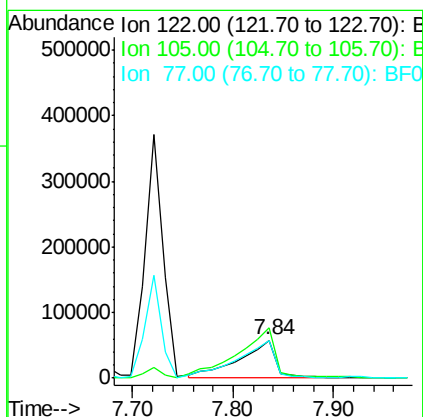
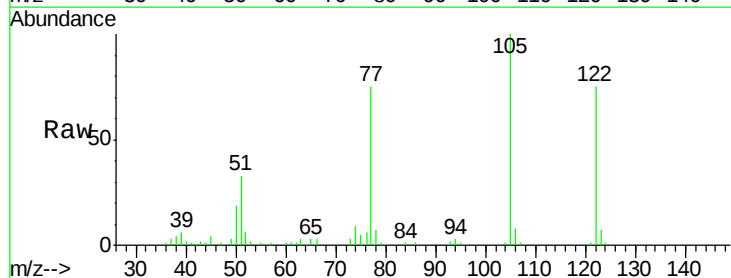
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

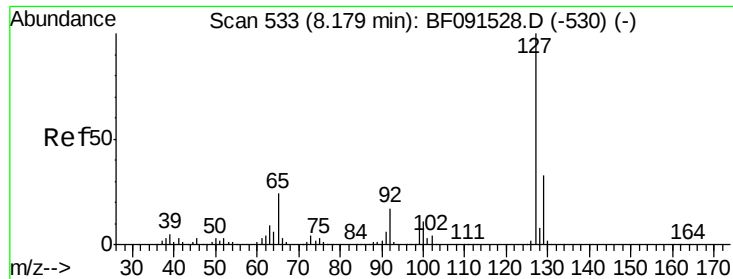
Tgt Ion:128 Resp: 1660569
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.4 11.0 16.4



#32
Benzoic acid
Concen: 23.43 ng
RT: 7.84 min Scan# 503
Delta R.T. -0.02 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion:122 Resp: 145005
Ion Ratio Lower Upper
122 100
105 132.5 113.0 153.0
77 99.3 82.0 122.0

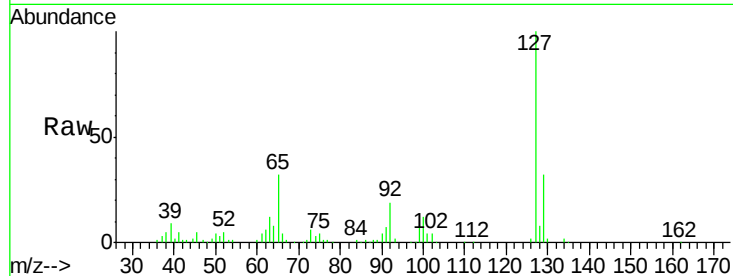




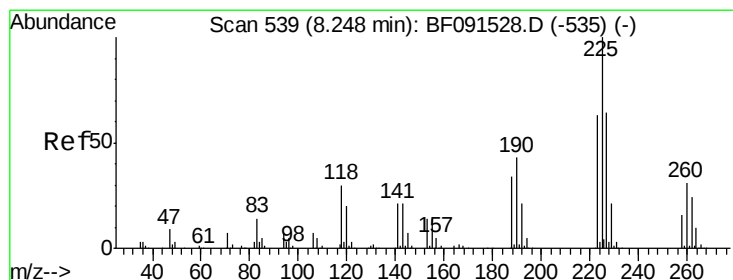
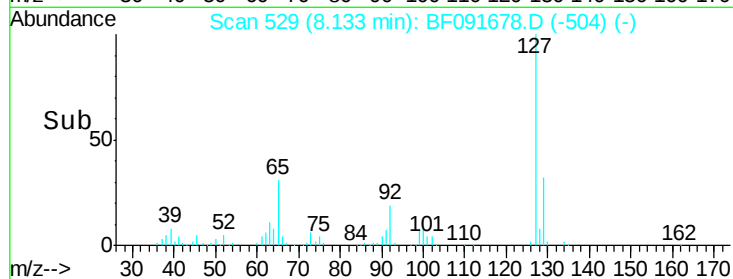
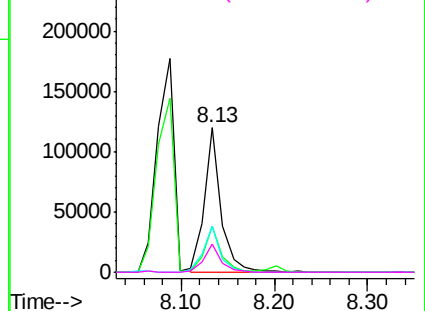
#33
4-Chloroaniline
Concen: 11.31 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

Tgt Ion:	127	Resp:	151199
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	32.0	26.6	39.8
92	19.2	15.4	23.0

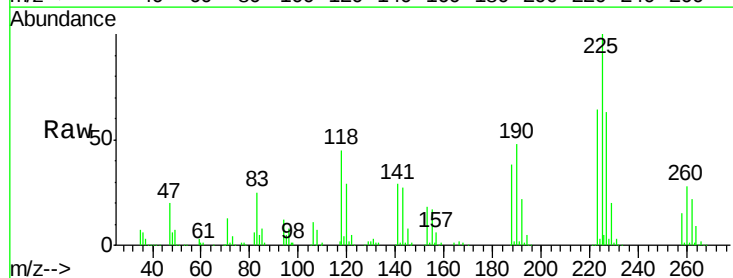


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

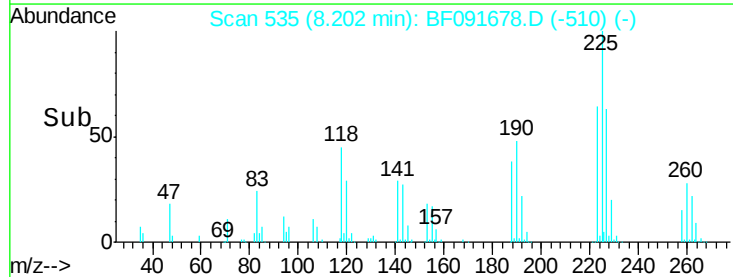
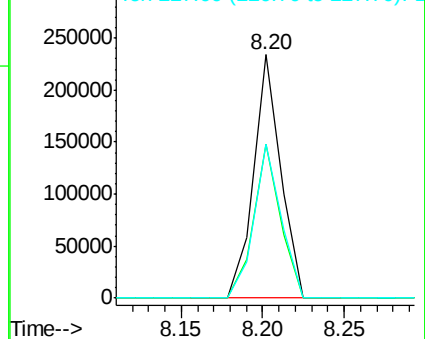


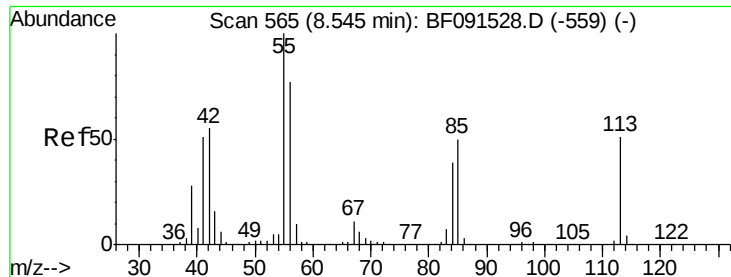
#34
Hexachlorobutadiene
Concen: 48.72 ng
RT: 8.20 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion:	225	Resp:	270367
Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.8	74.6
227	63.2	52.6	79.0



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

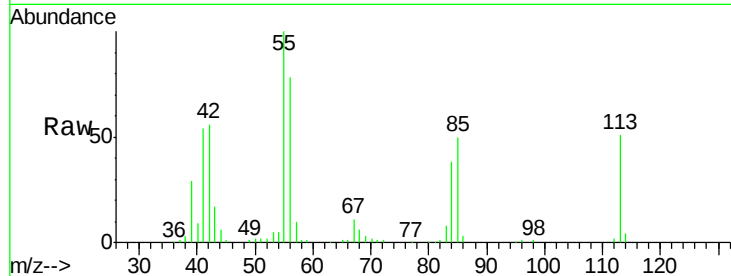




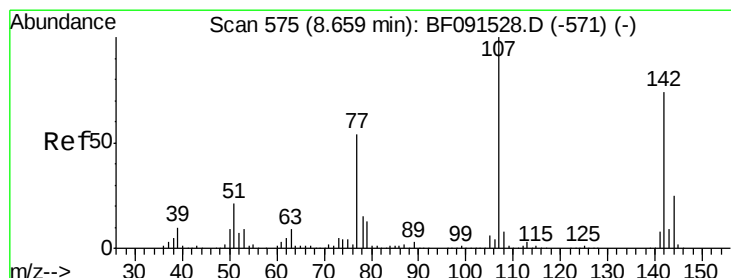
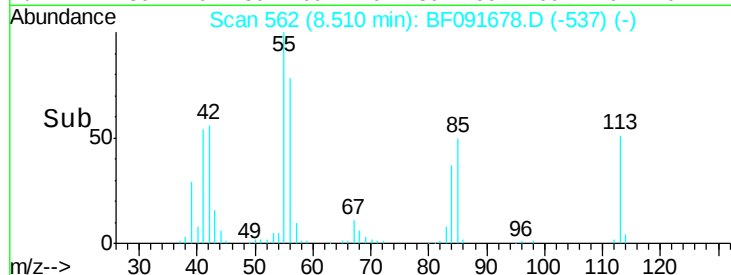
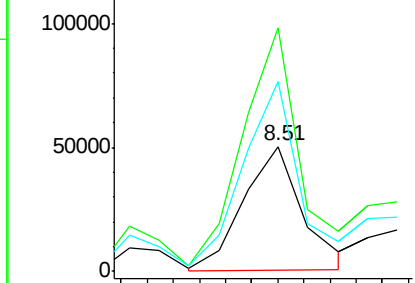
#35
Caprolactam
Concen: 31.81 ng
RT: 8.51 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

Tgt Ion:113 Resp: 79126
Ion Ratio Lower Upper
113 100
55 194.9 239.8 279.8#
56 151.5 165.6 205.6#

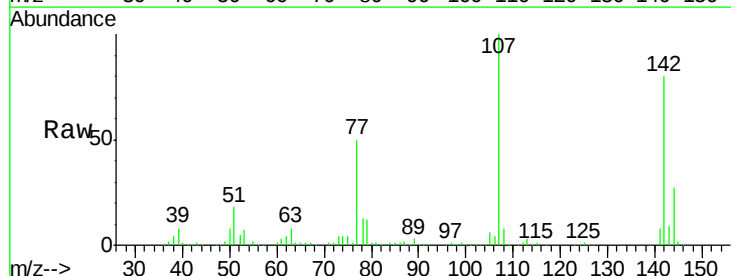


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

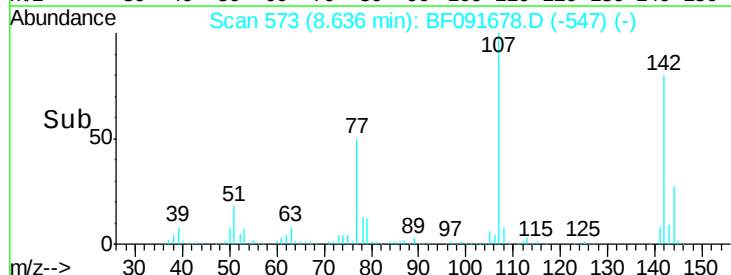
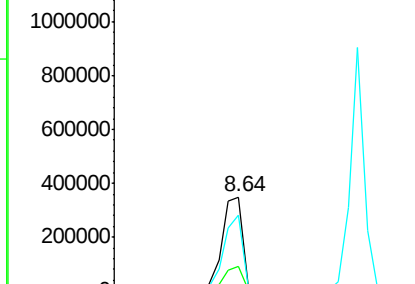


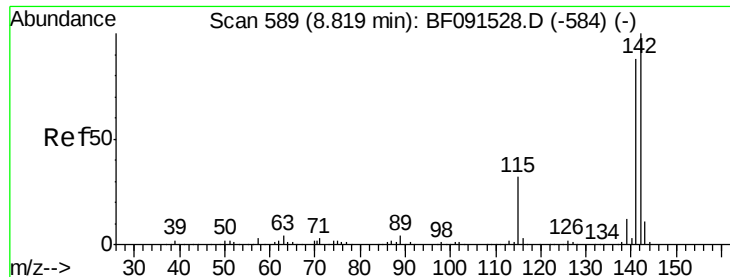
#36
4-Chloro-3-methylphenol
Concen: 59.83 ng
RT: 8.64 min Scan# 573
Delta R.T. -0.00 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion:107 Resp: 571531
Ion Ratio Lower Upper
107 100
144 26.6 18.9 28.3
142 80.5 58.5 87.7



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

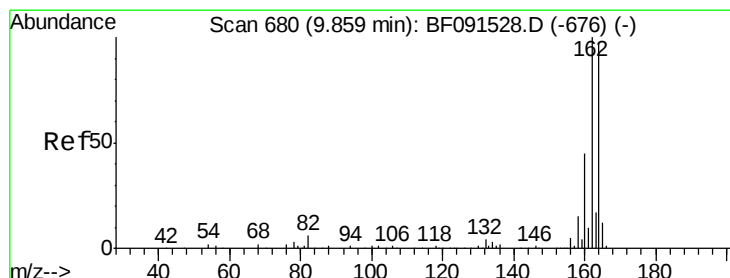
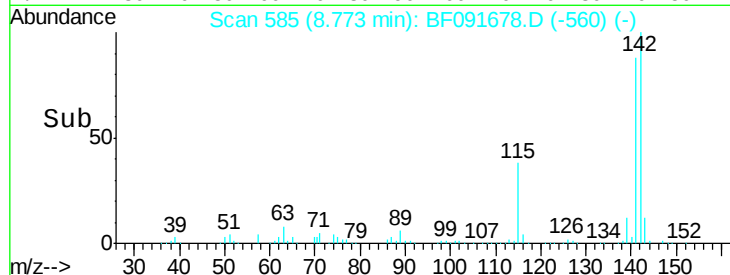
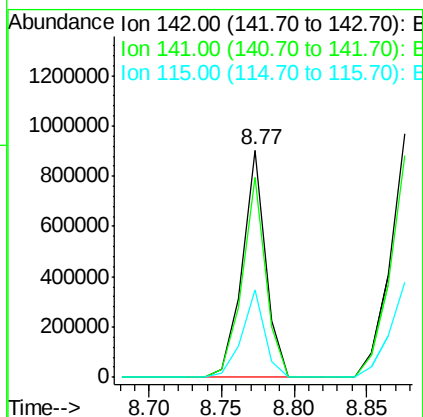
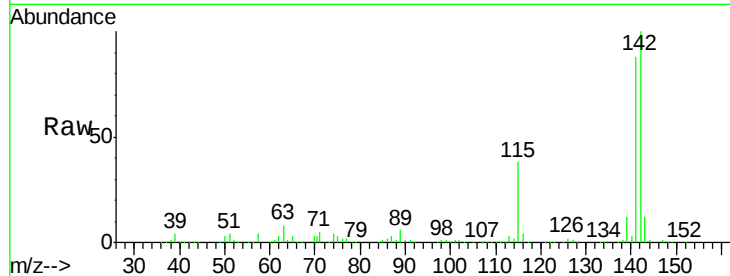




#37
2-Methylnaphthalene
Concen: 50.55 ng
RT: 8.77 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

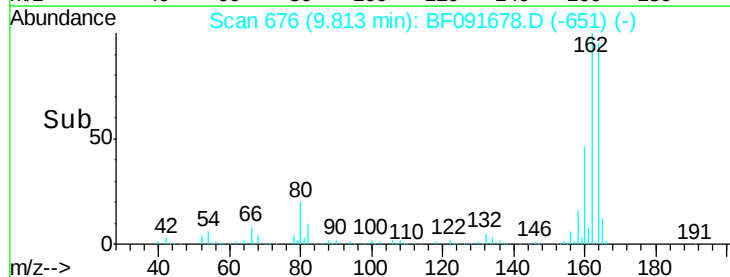
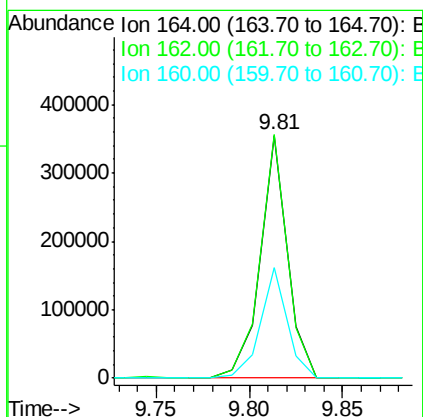
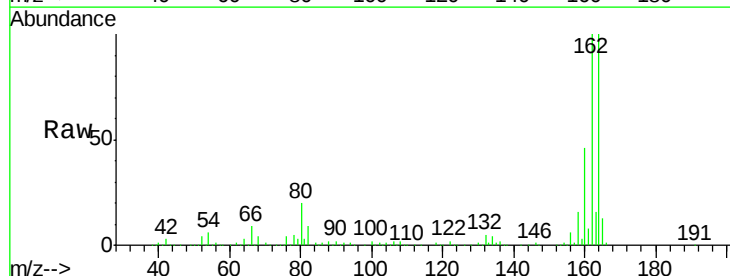
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

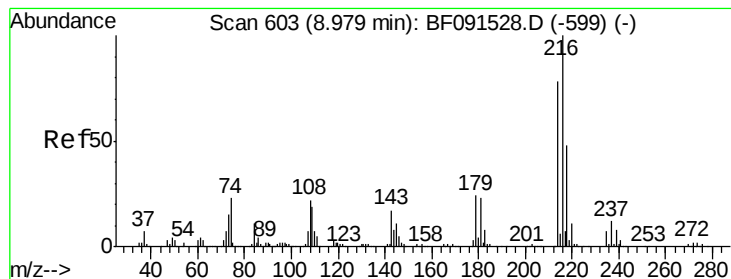
Tgt Ion:142 Resp: 1015443
Ion Ratio Lower Upper
142 100
141 88.0 71.7 107.5
115 38.5 25.0 37.6#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion:164 Resp: 355978
Ion Ratio Lower Upper
164 100
162 100.4 82.6 124.0
160 45.7 36.7 55.1





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.53 ng

RT: 8.94 min Scan# 600

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

Tgt Ion:216 Resp: 464020

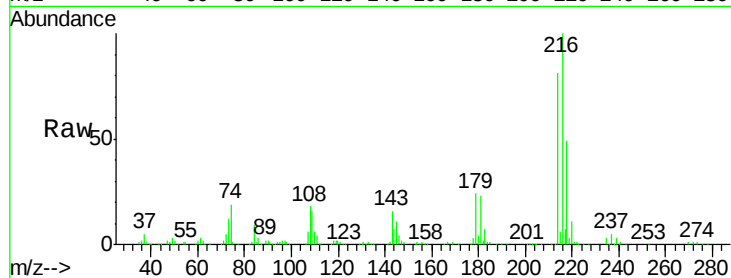
Ion Ratio Lower Upper

216 100

214 80.0 63.8 95.8

179 24.0 18.2 27.2

108 24.6 17.2 25.8

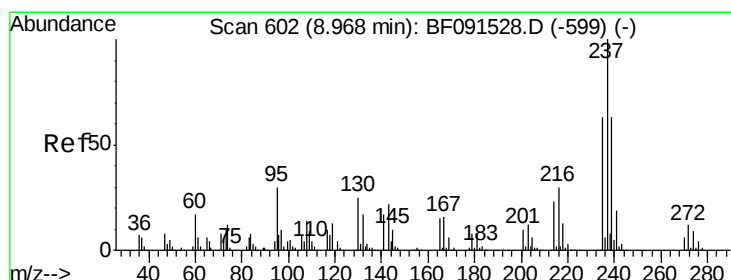
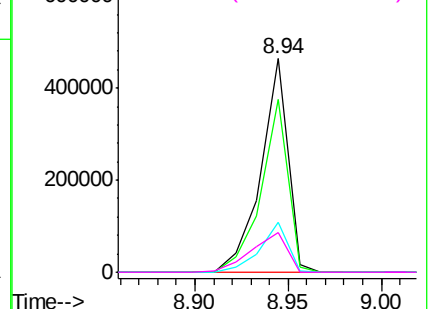
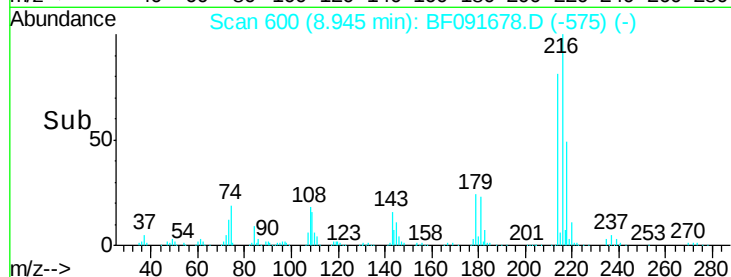


Abundance Ion 216.00 (215.70 to 216.70): E

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: 111.21 ng

RT: 8.93 min Scan# 599

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

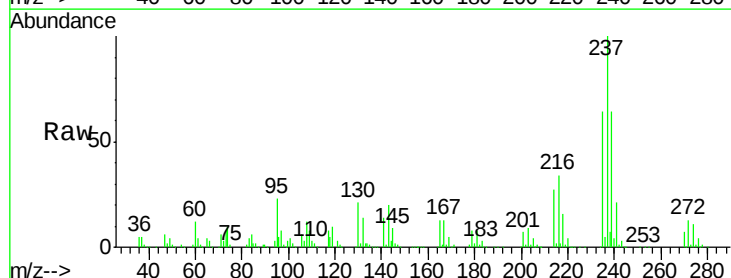
Tgt Ion:237 Resp: 484081

Ion Ratio Lower Upper

237 100

235 63.9 43.9 83.9

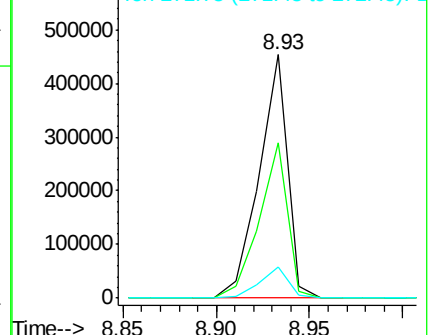
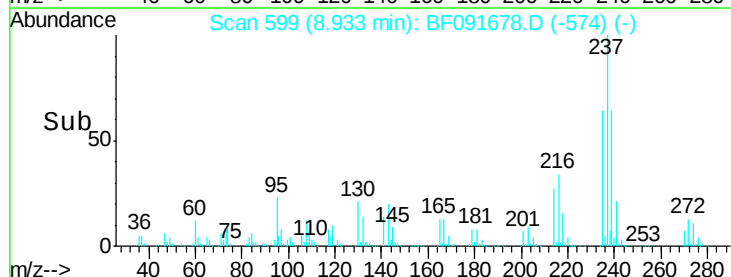
272 12.6 0.0 33.1

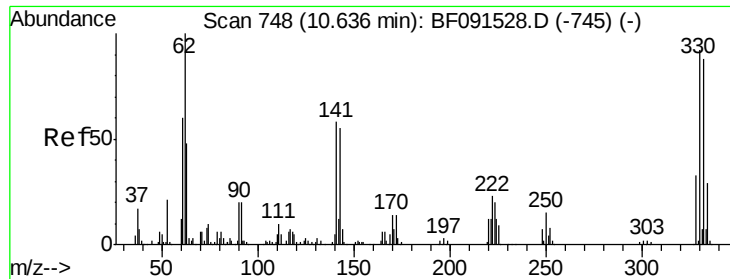


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

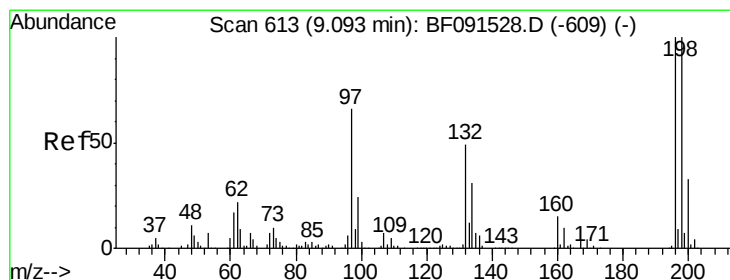
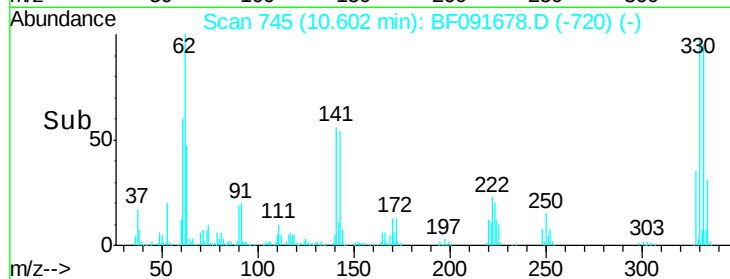
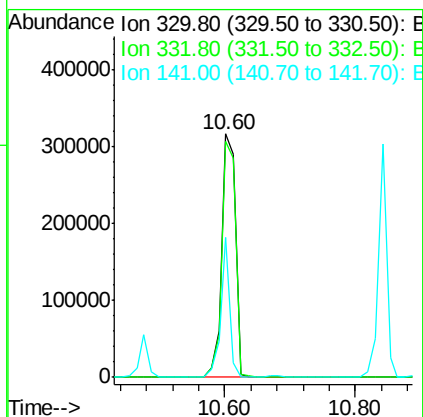
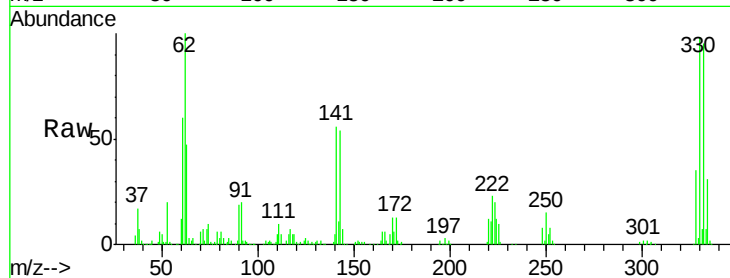




#41
 2,4,6-Tribromophenol
 Concen: 159.66 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

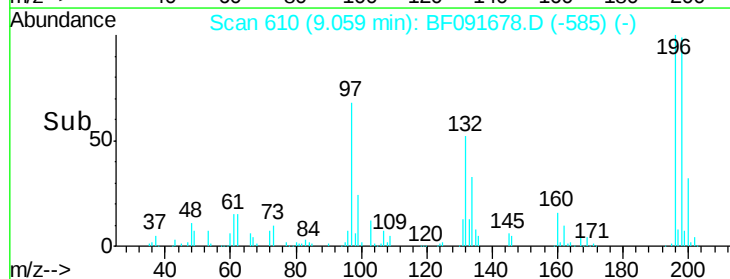
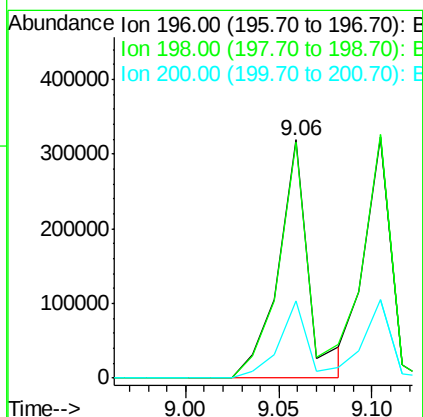
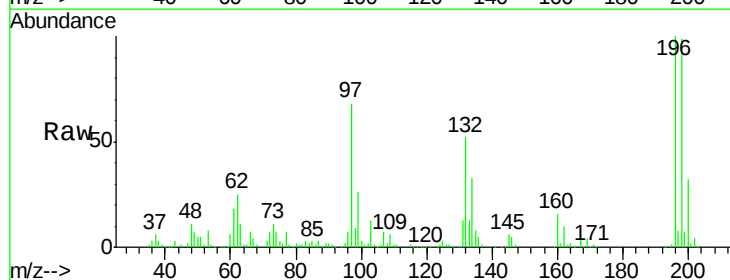
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

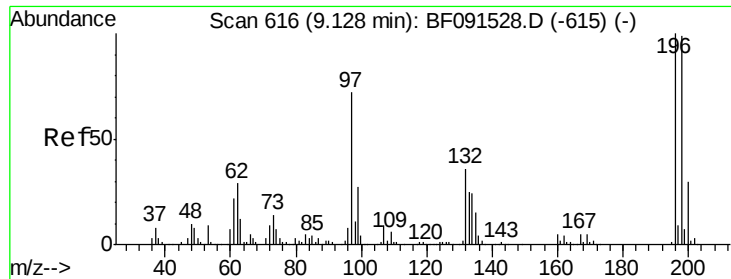
Tgt Ion:330 Resp: 472070
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.2 114.4
 141 37.8 33.6 50.4



#42
 2,4,6-Trichlorophenol
 Concen: 57.49 ng
 RT: 9.06 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Tgt Ion:196 Resp: 360674
 Ion Ratio Lower Upper
 196 100
 198 98.8 77.4 116.0
 200 32.2 25.2 37.8

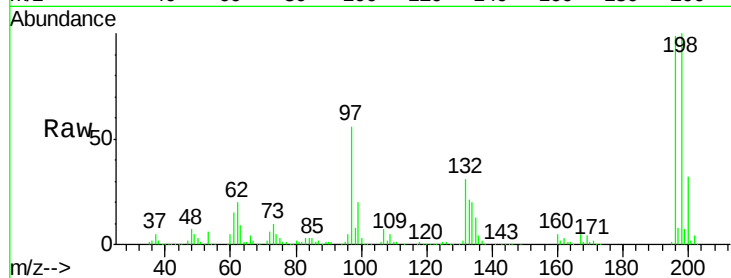




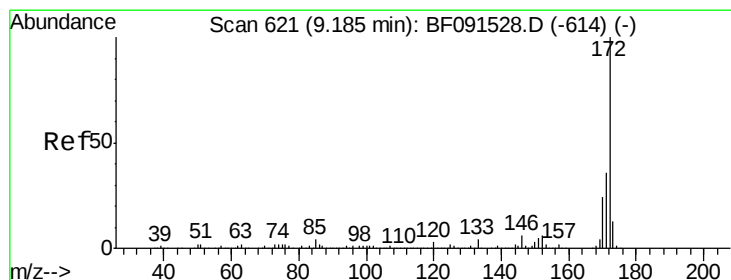
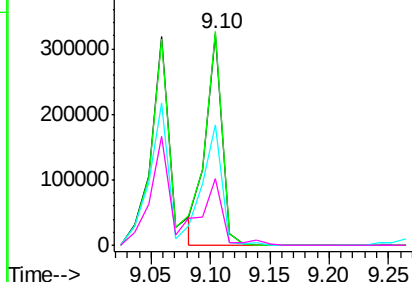
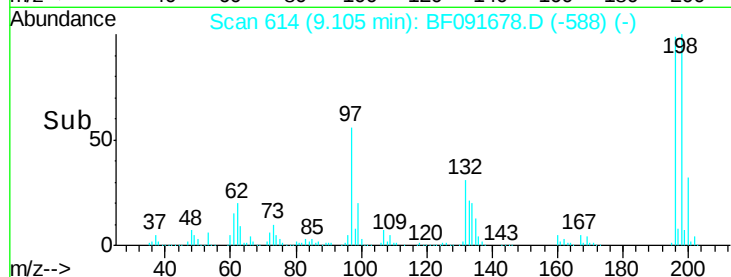
#43
 2,4,5-Trichlorophenol
 Concen: 49.11 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion:196 Resp: 316596
 Ion Ratio Lower Upper
 196 100
 198 100.9 77.0 115.6
 97 56.8 33.5 50.3#
 132 31.3 20.5 30.7#

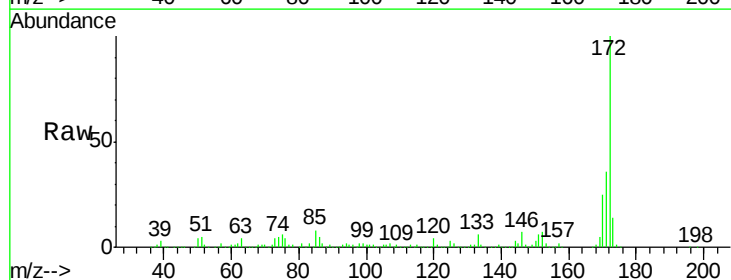


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

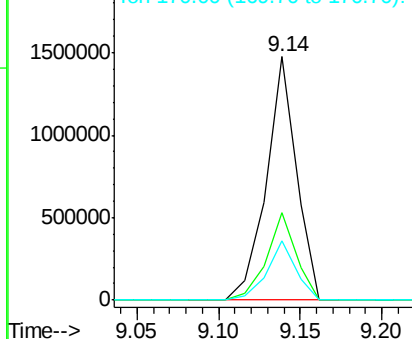
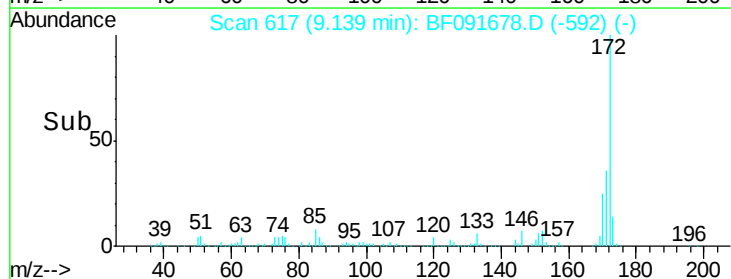


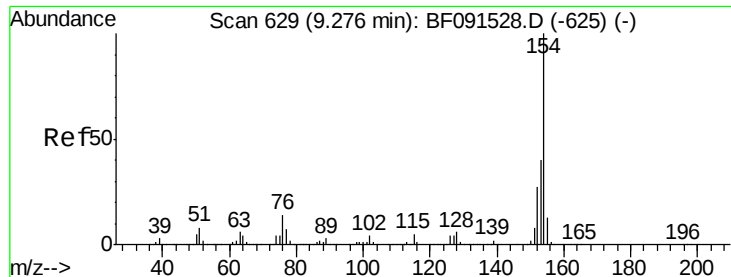
#44
 2-Fluorobiphenyl
 Concen: 92.27 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Tgt Ion:172 Resp: 1901004
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.5 19.7 29.5



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: 52.84 ng

RT: 9.24 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

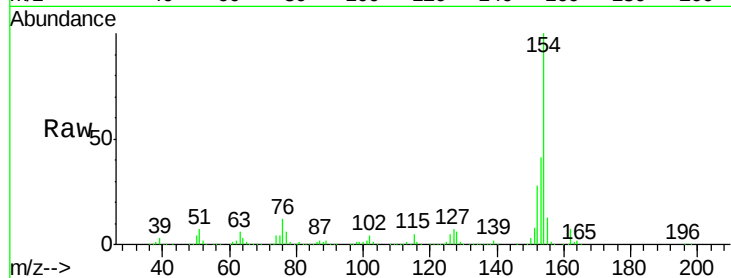
Tgt Ion:154 Resp: 1362538

Ion Ratio Lower Upper

154 100

153 40.5 20.6 60.6

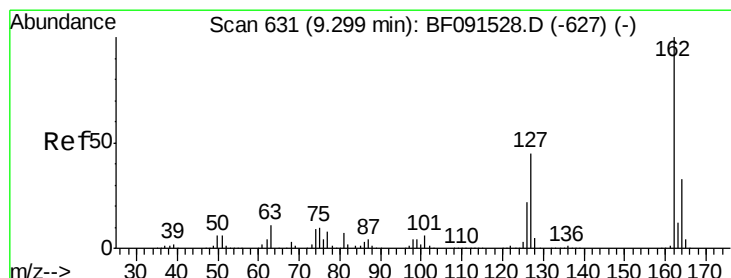
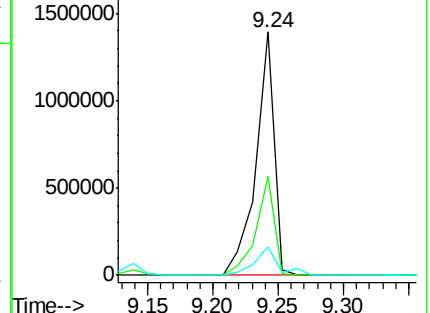
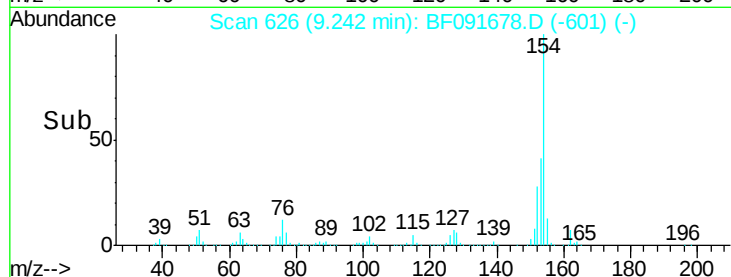
76 11.8 0.0 36.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 50.79 ng

RT: 9.26 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

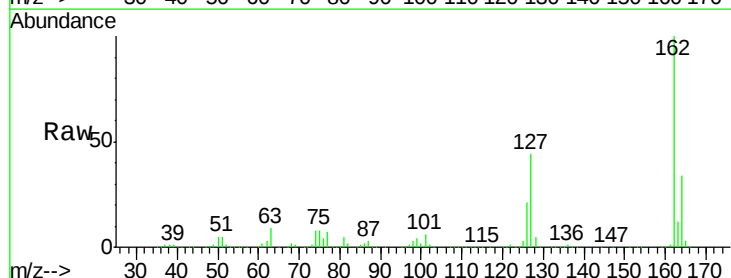
Tgt Ion:162 Resp: 1014011

Ion Ratio Lower Upper

162 100

127 43.8 34.3 51.5

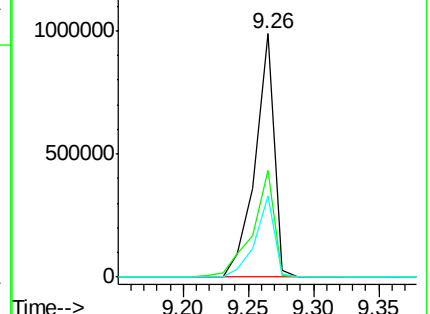
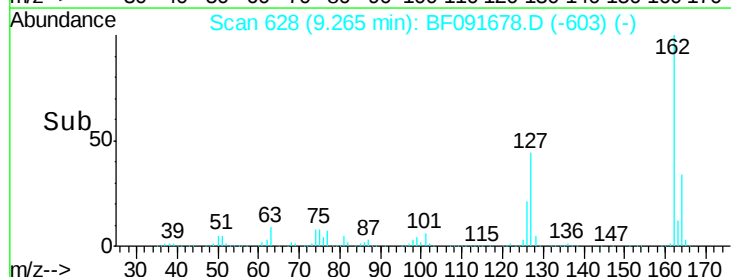
164 33.5 26.6 40.0

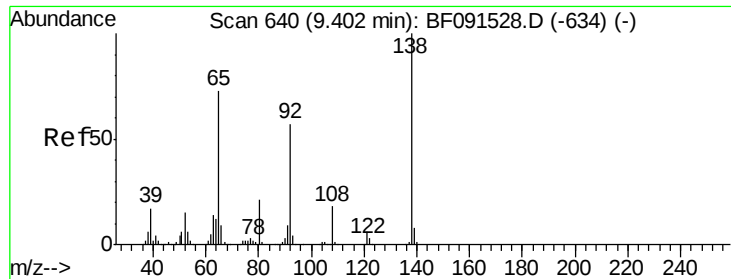


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

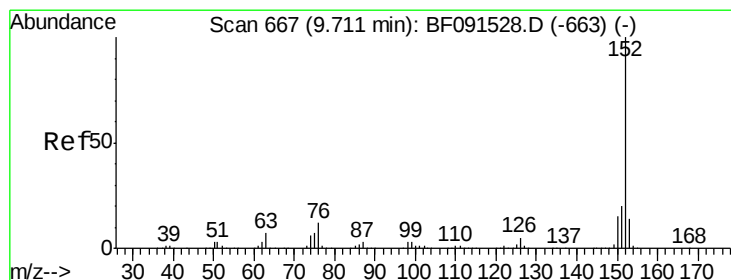
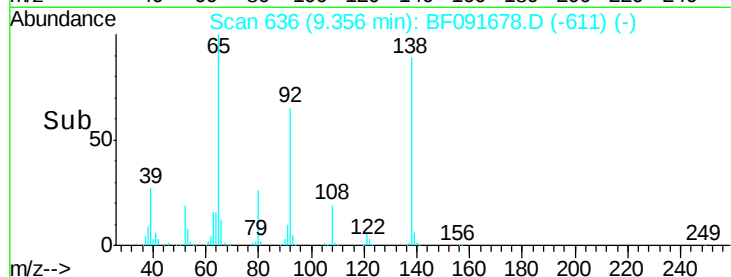
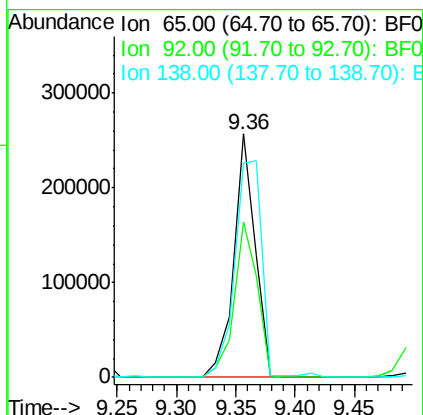
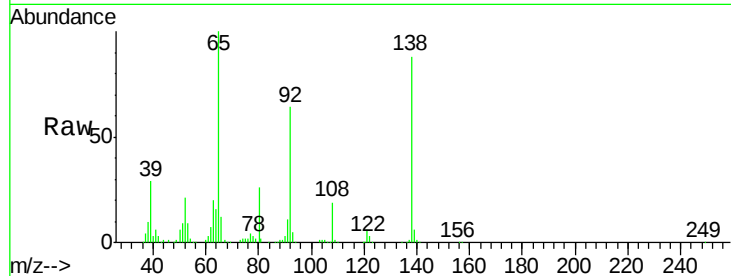




#47
2-Nitroaniline
Concen: 47.81 ng
RT: 9.36 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

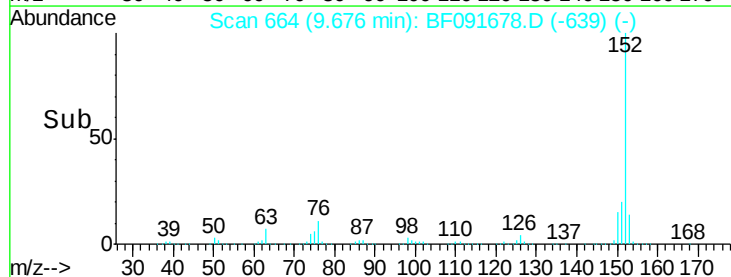
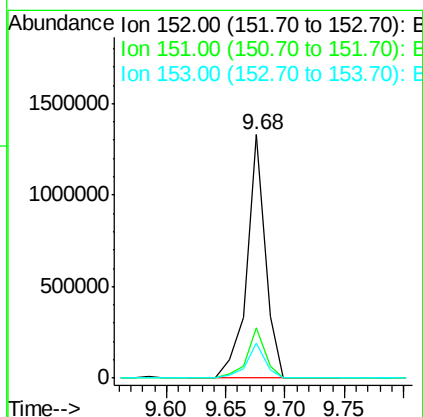
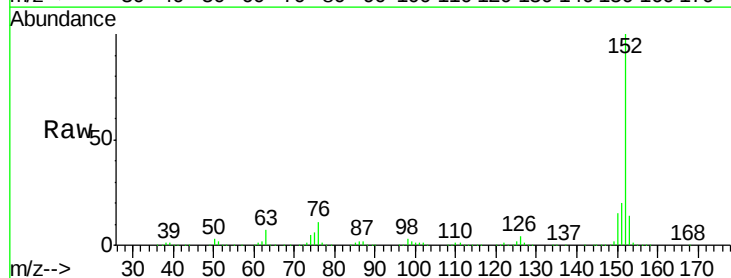
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

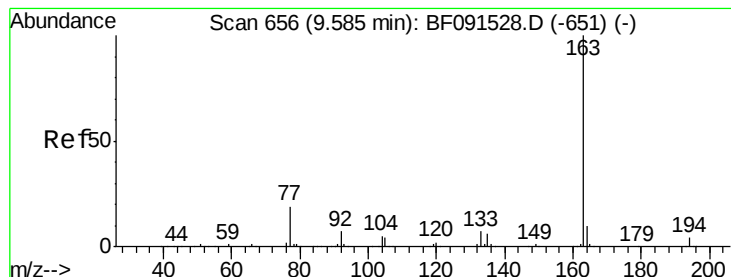
Tgt Ion: 65 Resp: 320973
Ion Ratio Lower Upper
65 100
92 63.9 53.6 80.4
138 88.1 91.0 136.6#



#48
Acenaphthylene
Concen: 47.53 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion: 152 Resp: 1446756
Ion Ratio Lower Upper
152 100
151 20.5 16.6 24.8
153 14.1 10.7 16.1





#49

Dimethylphthalate

Concen: 62.85 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

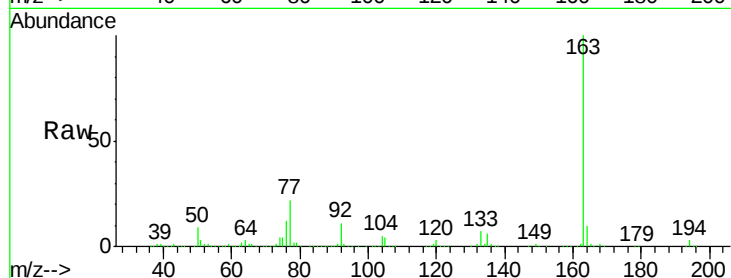
Tgt Ion:163 Resp: 1416777

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

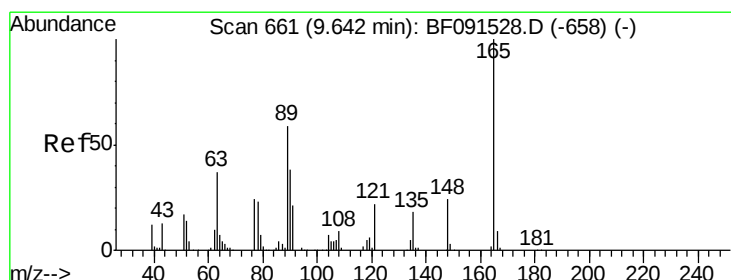
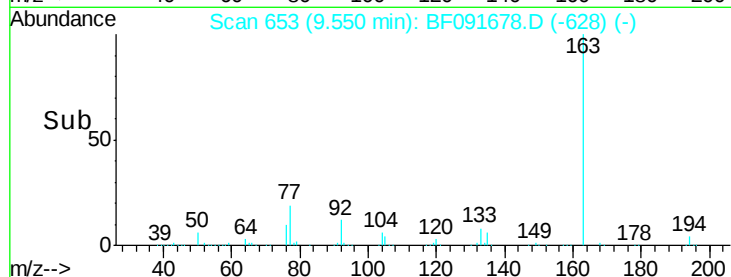
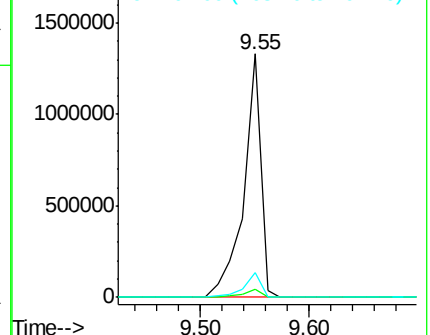
164 10.2 7.8 11.8



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: 56.51 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

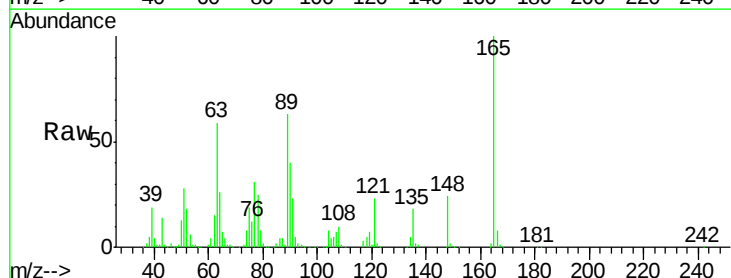
Tgt Ion:165 Resp: 279559

Ion Ratio Lower Upper

165 100

63 59.1 59.4 89.0#

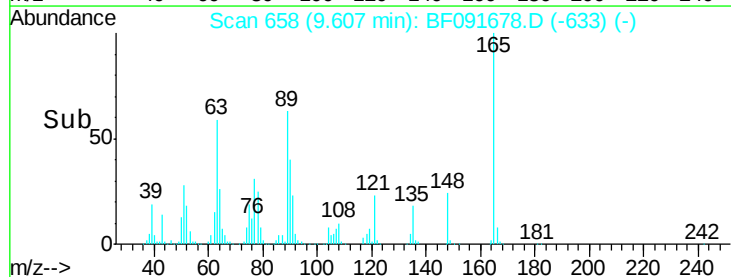
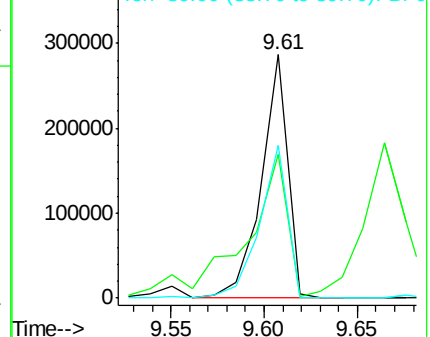
89 62.8 50.8 76.2

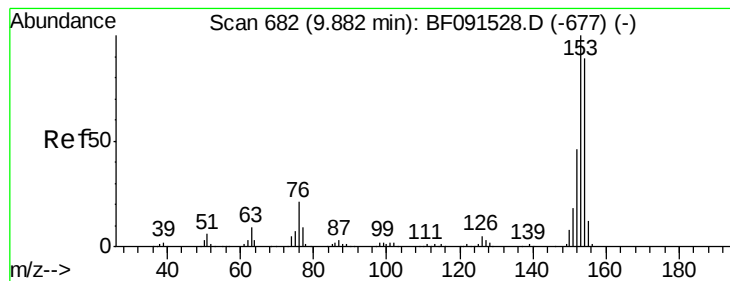


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 51.06 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

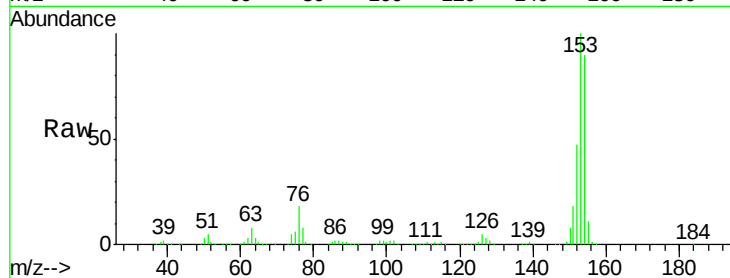
Tgt Ion:154 Resp: 1079410

Ion Ratio Lower Upper

154 100

153 111.6 91.0 136.6

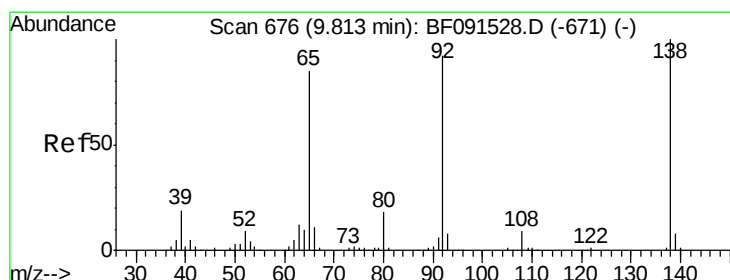
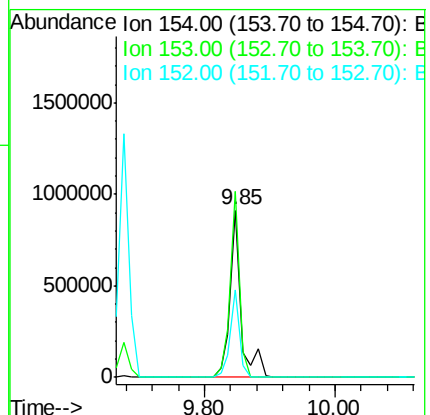
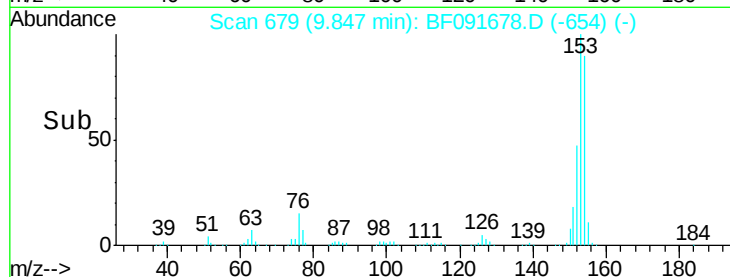
152 52.1 44.2 66.2



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: 20.38 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

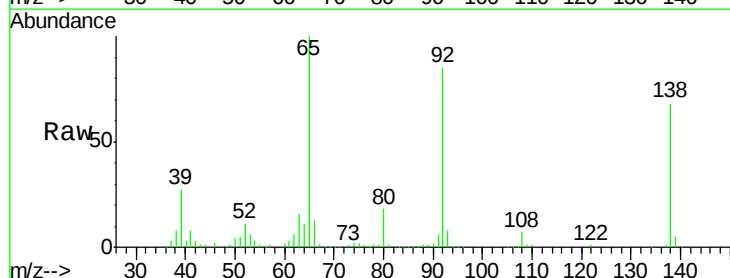
Tgt Ion:138 Resp: 118456

Ion Ratio Lower Upper

138 100

108 10.7 8.1 12.1

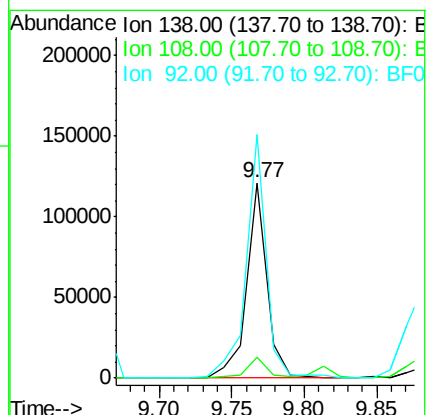
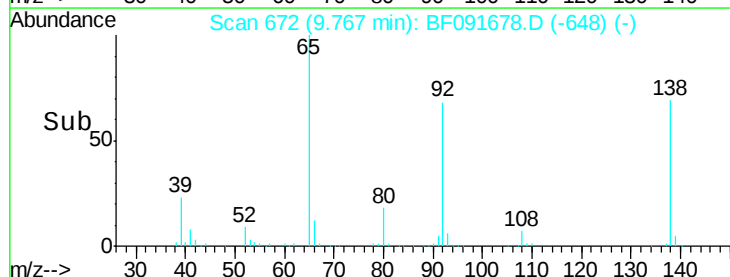
92 124.5 92.5 138.7

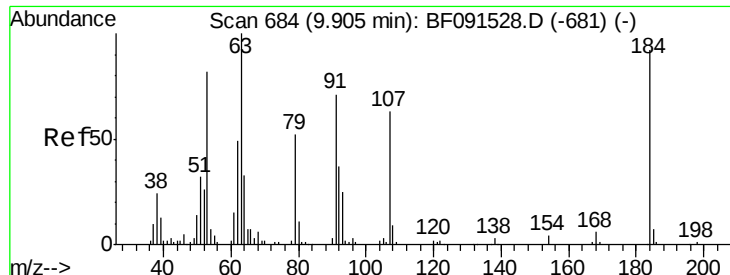


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

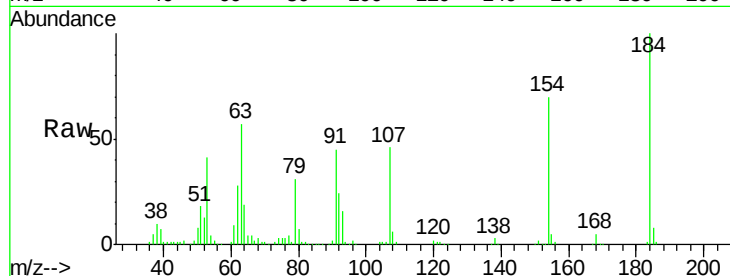




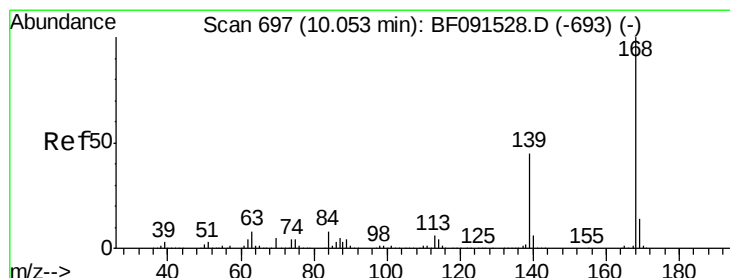
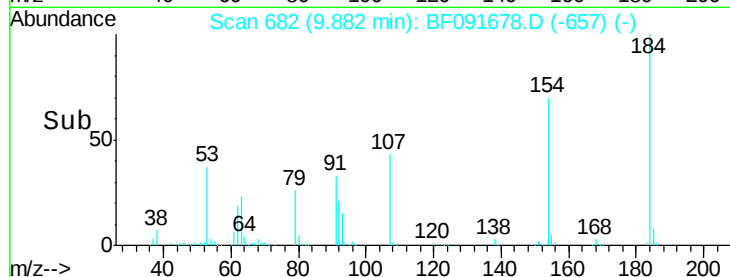
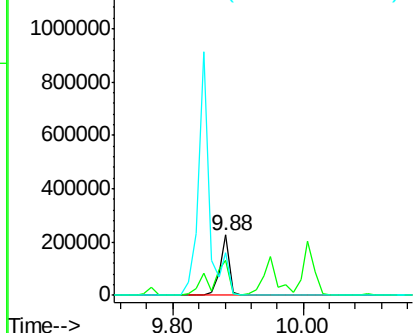
#53
2,4-Dinitrophenol
Concen: 81.77 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

Tgt Ion:184 Resp: 240666
Ion Ratio Lower Upper
184 100
63 57.1 58.3 87.5#
154 70.0 48.6 73.0

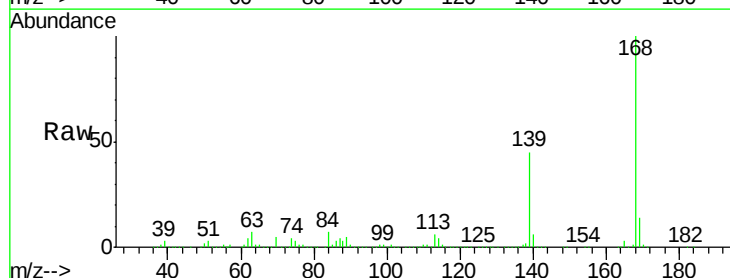


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

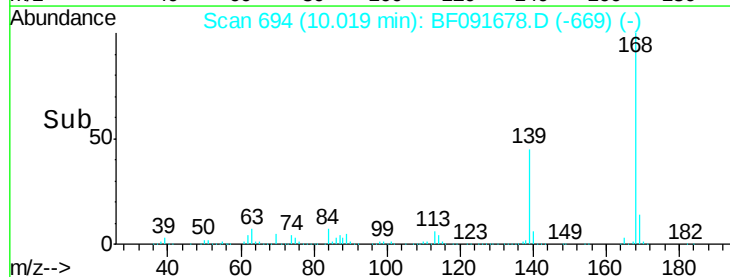
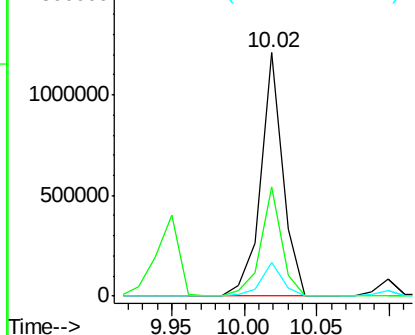


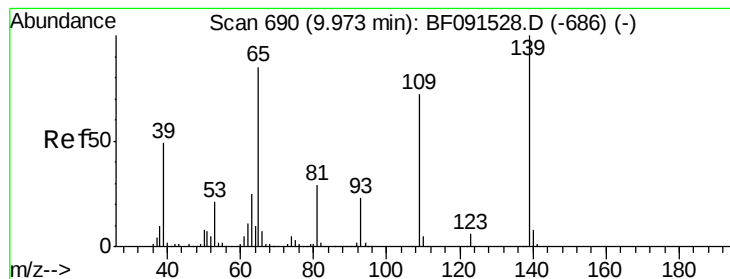
#54
Dibenzofuran
Concen: 48.92 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion:168 Resp: 1279545
Ion Ratio Lower Upper
168 100
139 45.0 33.4 50.2
169 13.9 11.1 16.7



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: 105.60 ng

RT: 9.95 min Scan# 688

Delta R.T. -0.00 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

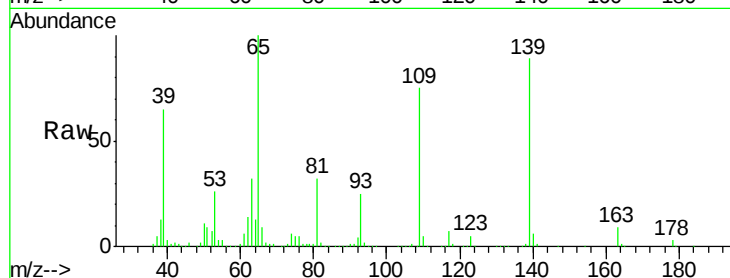
Tgt Ion:139 Resp: 456581

Ion Ratio Lower Upper

139 100

109 84.2 54.9 94.9

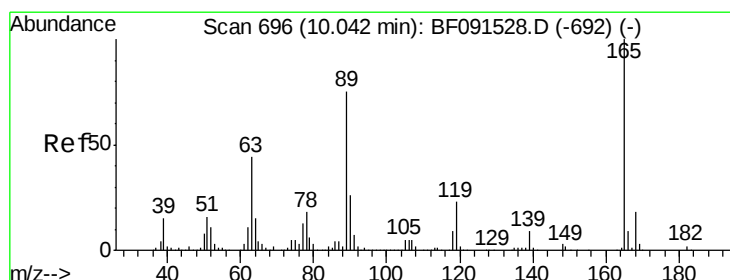
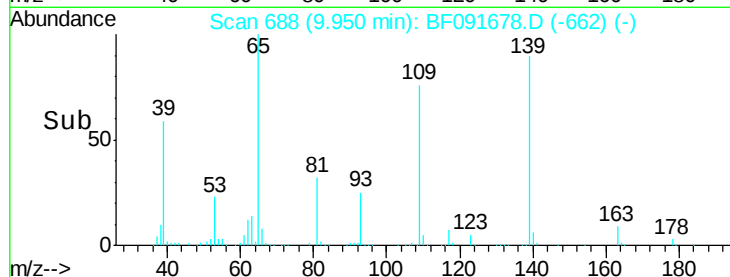
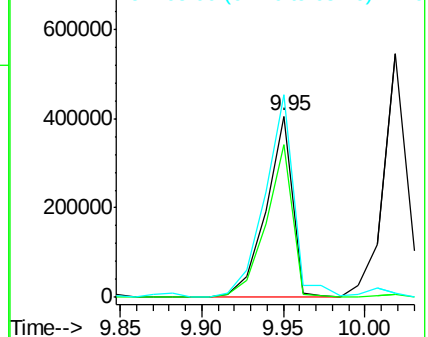
65 112.2 102.2 142.2



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 51.25 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Tgt Ion:165 Resp: 317825

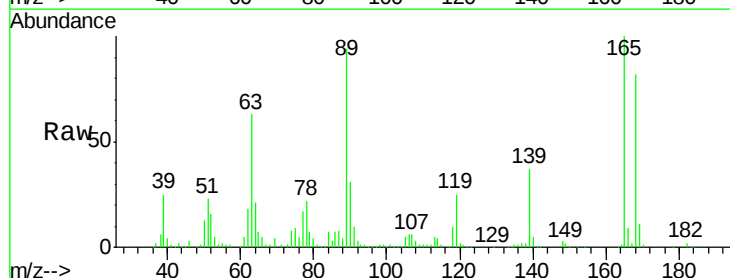
Ion Ratio Lower Upper

165 100

63 63.0 29.0 43.4#

89 94.0 43.1 64.7#

182 2.1 1.9 2.9

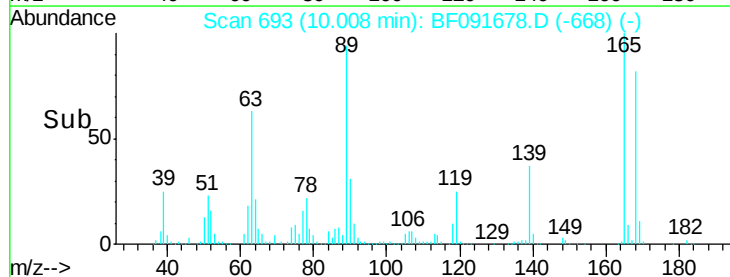
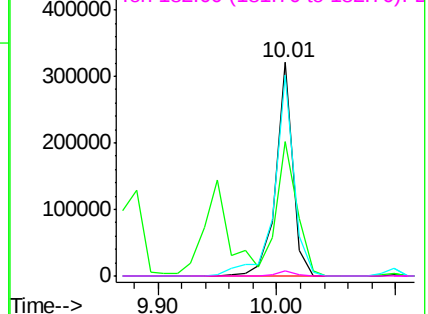


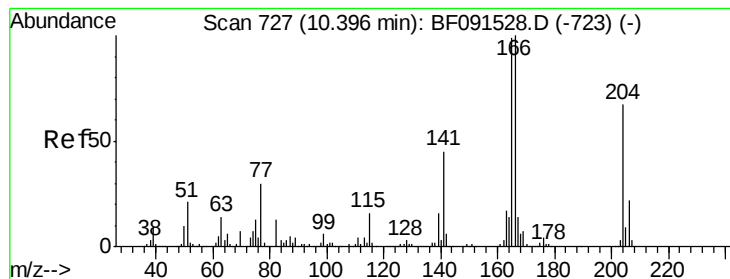
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 54.21 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

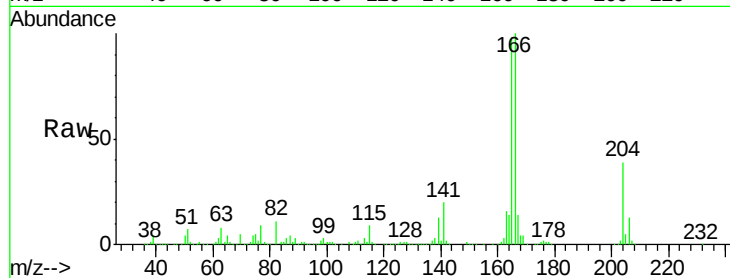
Tgt Ion:166 Resp: 994154

Ion Ratio Lower Upper

166 100

165 98.0 80.0 120.0

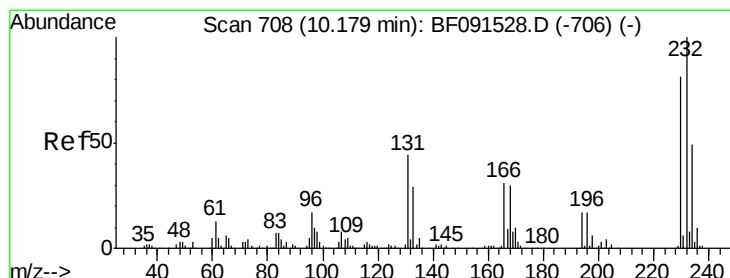
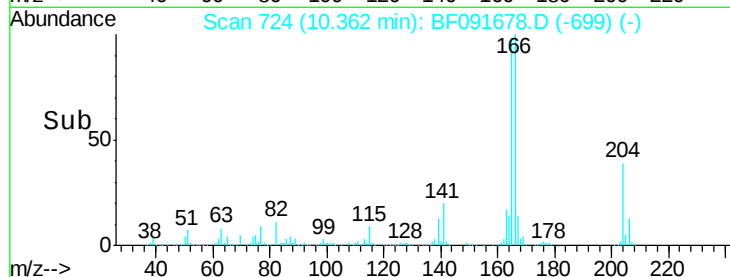
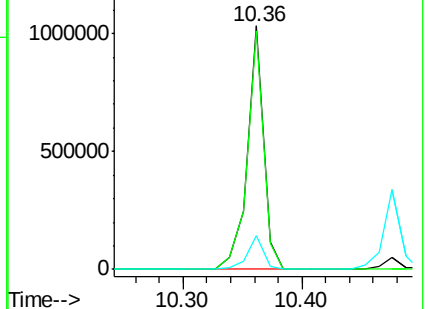
167 13.7 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 57.08 ng

RT: 10.14 min Scan# 705

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Tgt Ion:232 Resp: 288092

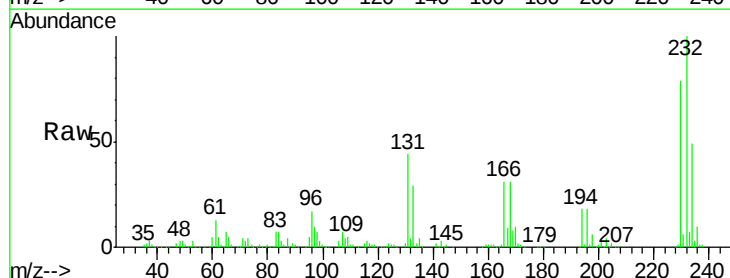
Ion Ratio Lower Upper

232 100

131 52.2 38.4 57.6

130 2.5 1.8 2.8

166 33.4 23.9 35.9

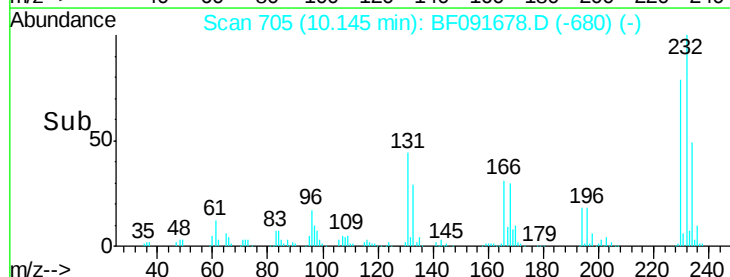
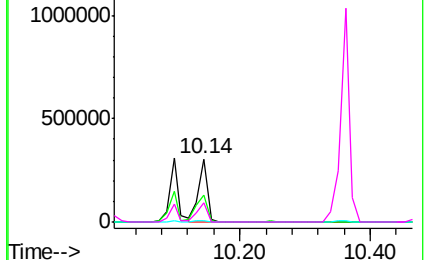


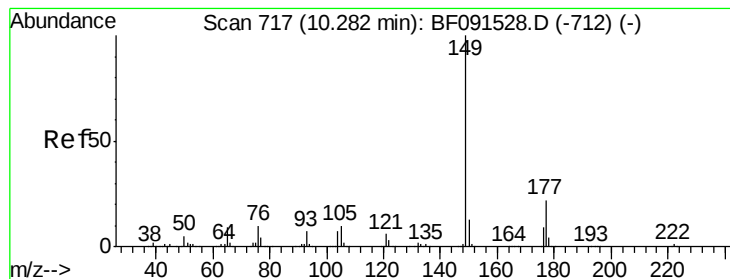
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 56.75 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

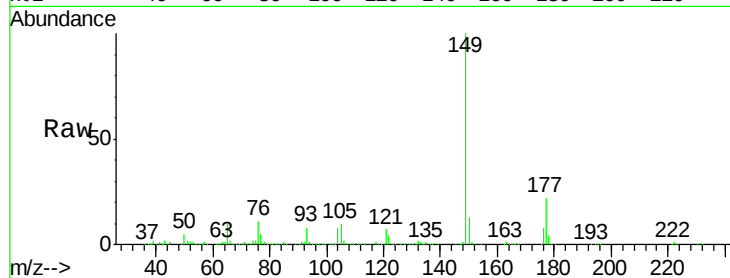
Tgt Ion:149 Resp: 1231708

Ion Ratio Lower Upper

149 100

177 21.5 15.7 23.5

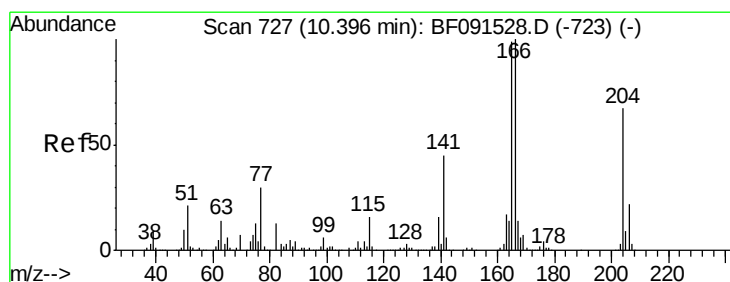
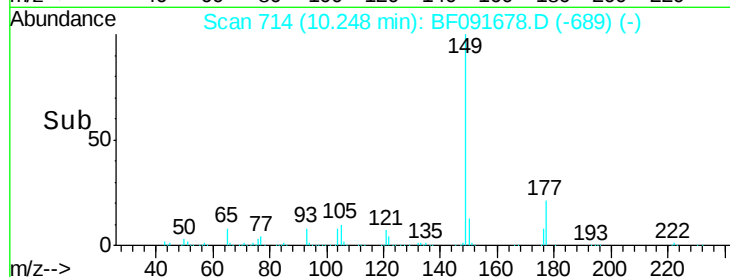
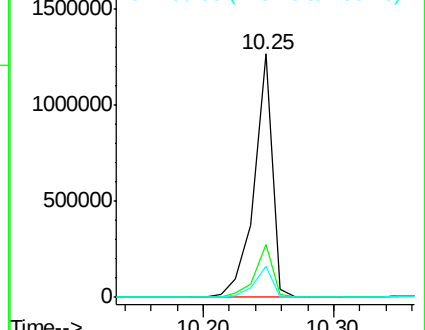
150 12.6 10.2 15.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 52.39 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

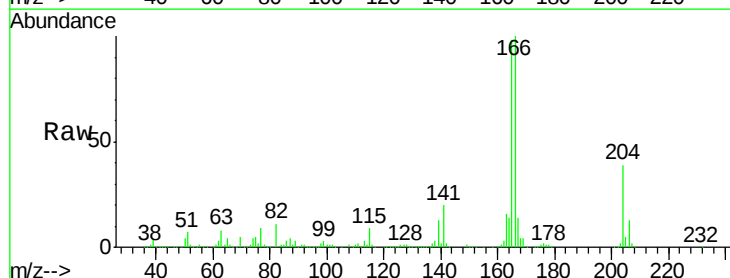
Tgt Ion:204 Resp: 492718

Ion Ratio Lower Upper

204 100

206 33.1 26.1 39.1

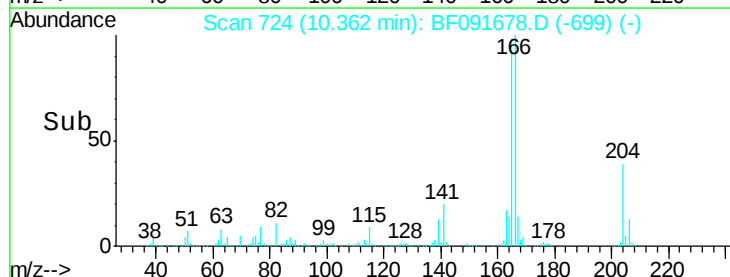
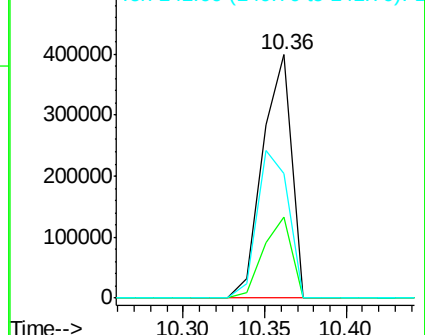
141 51.2 40.6 61.0

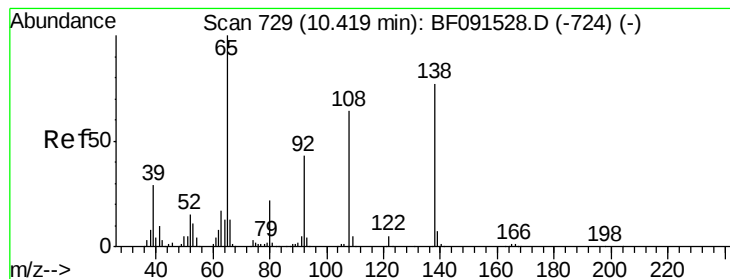


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 42.29 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

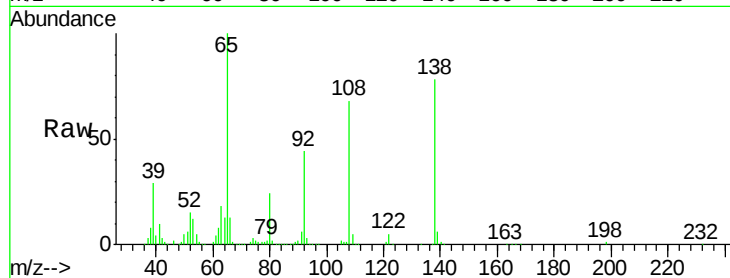
Tgt Ion:138 Resp: 244247

Ion Ratio Lower Upper

138 100

92 56.7 26.9 66.9

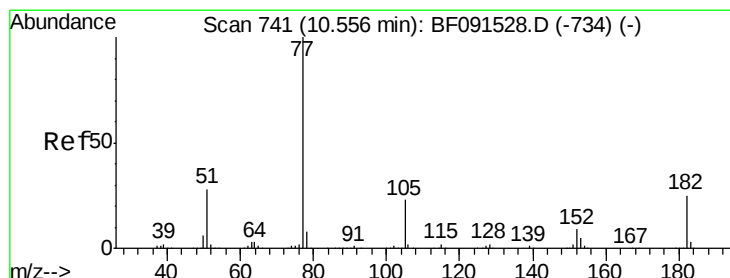
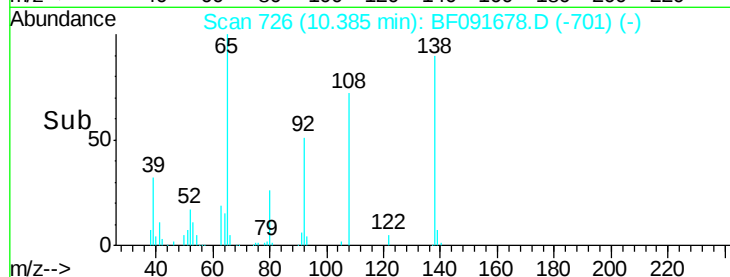
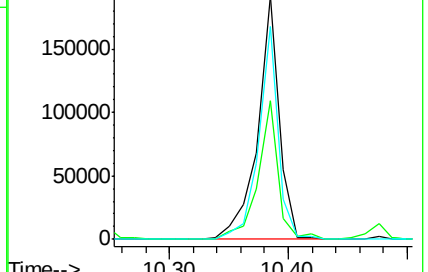
108 87.3 49.1 89.1



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 53.19 ng

RT: 10.51 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Tgt Ion: 77 Resp: 1308100

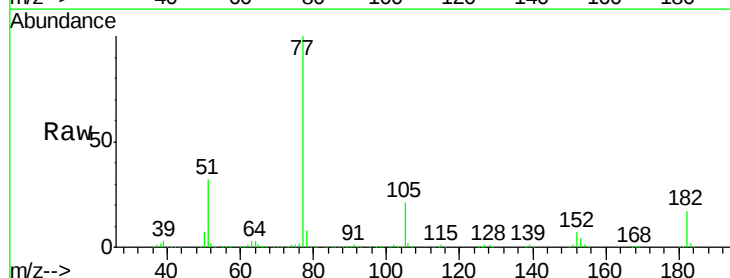
Ion Ratio Lower Upper

77 100

182 16.7 12.5 52.5

105 20.5 3.7 43.7

51 32.3 11.9 51.9

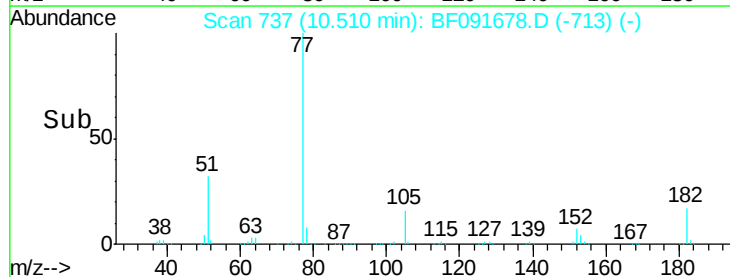
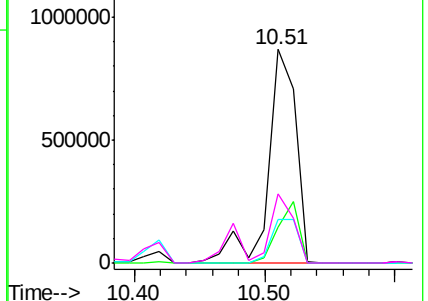


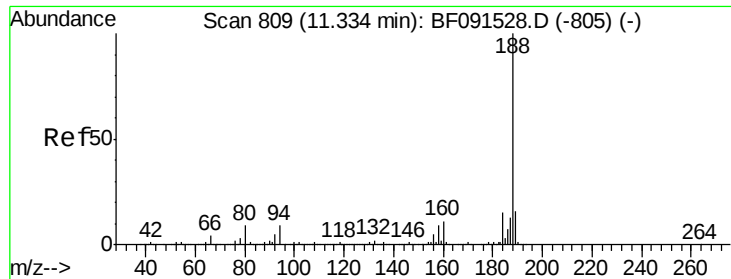
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

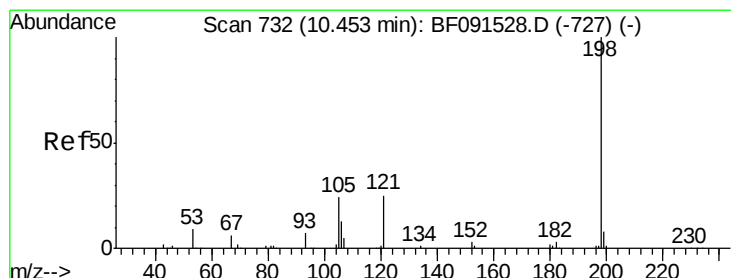
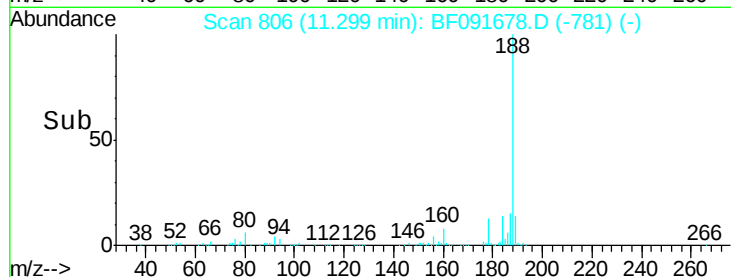
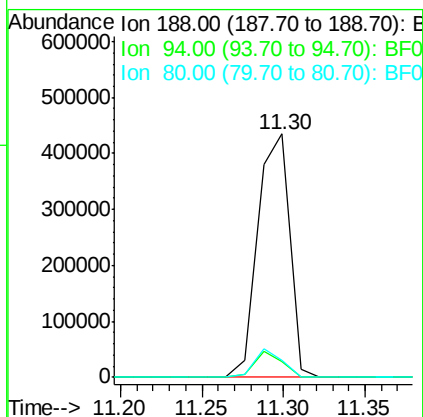
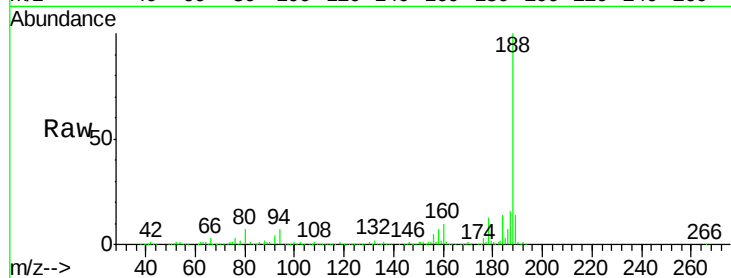




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

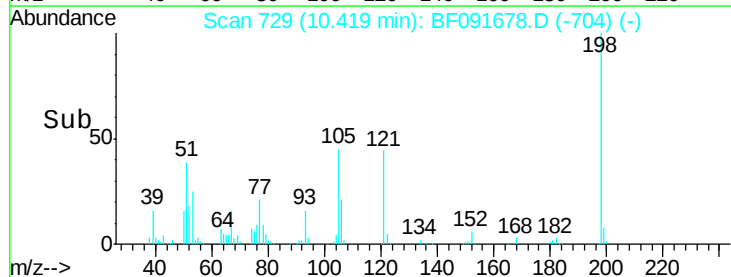
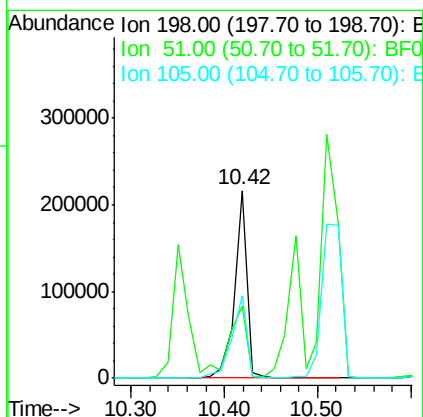
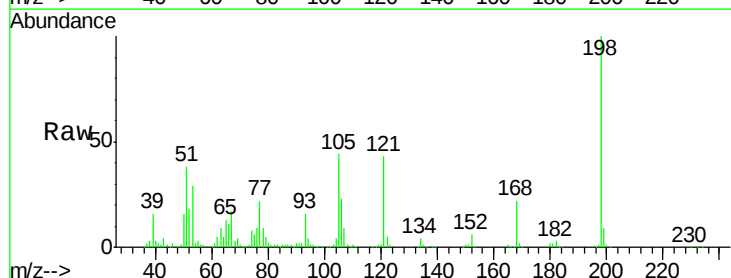
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

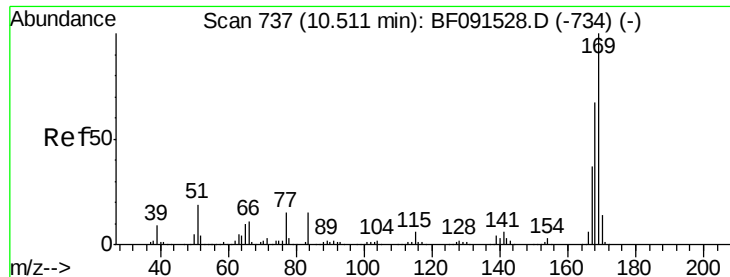
Tgt Ion:188 Resp: 592000
Ion Ratio Lower Upper
188 100
94 6.6 9.2 13.8#
80 6.8 10.5 15.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 56.31 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion:198 Resp: 204392
Ion Ratio Lower Upper
198 100
51 38.3 77.1 117.1#
105 43.8 44.8 84.8#





#65

n-Nitrosodiphenylamine

Concen: 50.57 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

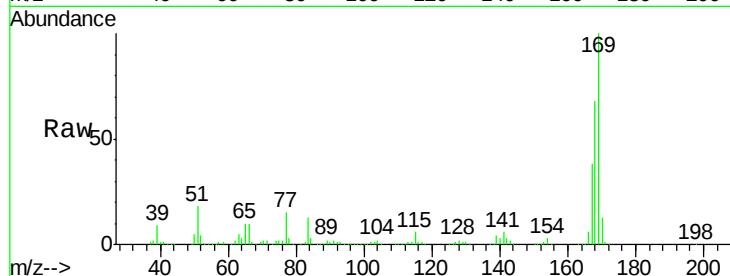
Tgt Ion:169 Resp: 892510

Ion Ratio Lower Upper

169 100

168 68.0 53.8 80.8

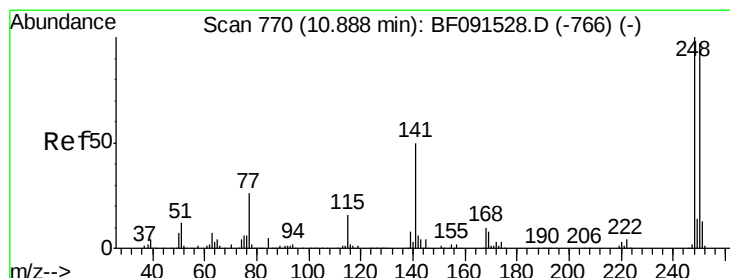
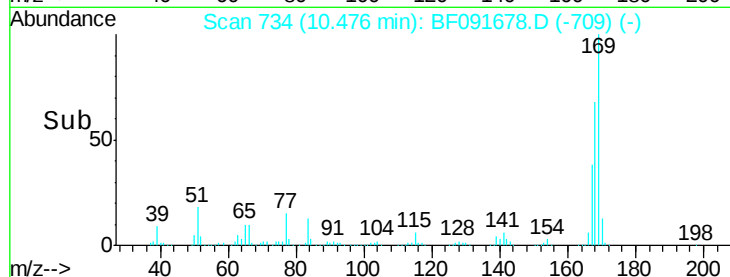
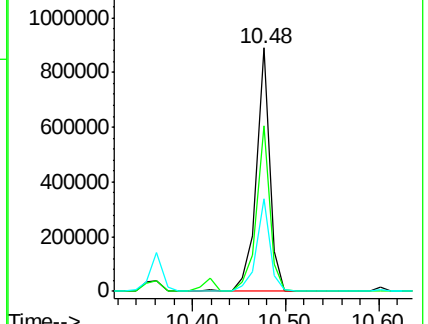
167 37.9 29.8 44.8



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.37 ng

RT: 10.84 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

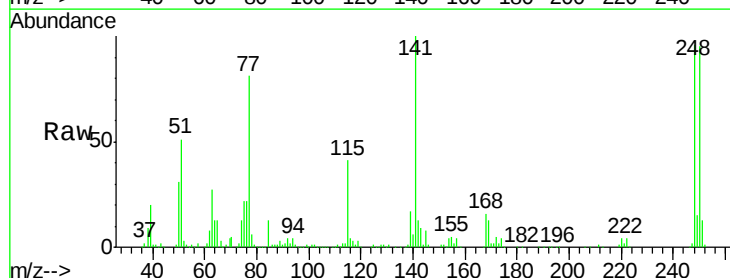
Tgt Ion:248 Resp: 287483

Ion Ratio Lower Upper

248 100

250 98.7 78.2 117.4

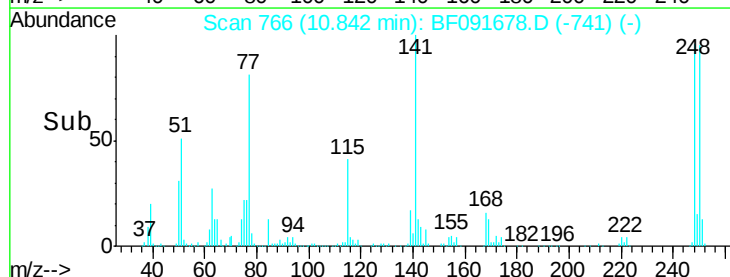
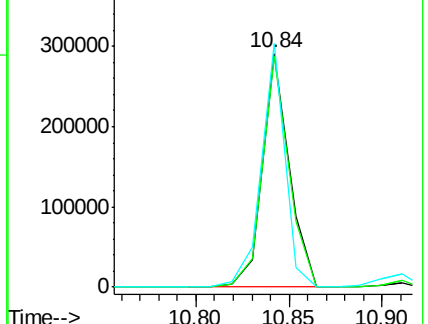
141 104.2 71.9 107.9

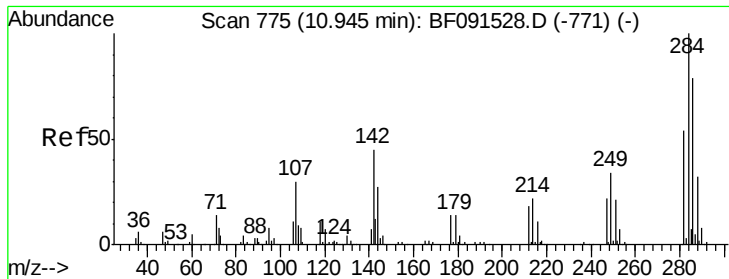


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 52.02 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

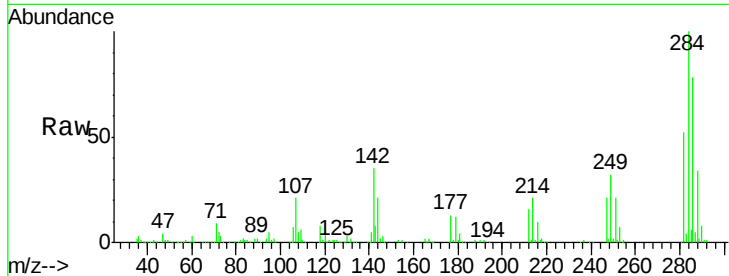
Tgt Ion:284 Resp: 328309

Ion Ratio Lower Upper

284 100

142 34.8 17.9 26.9#

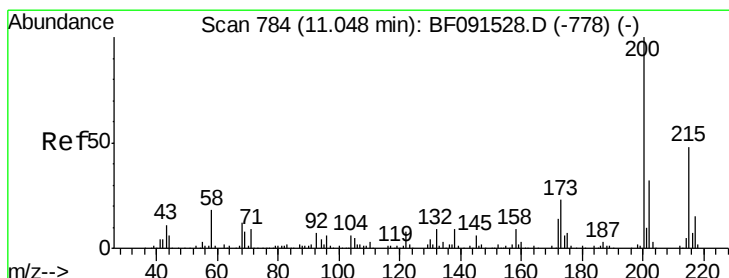
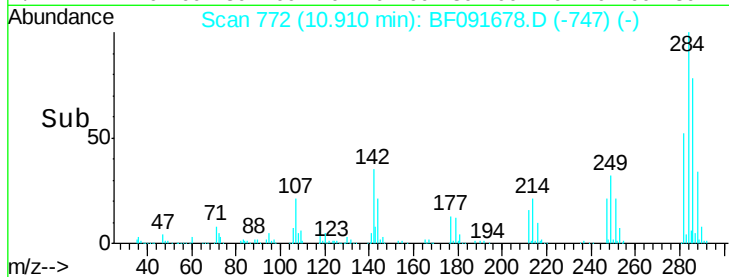
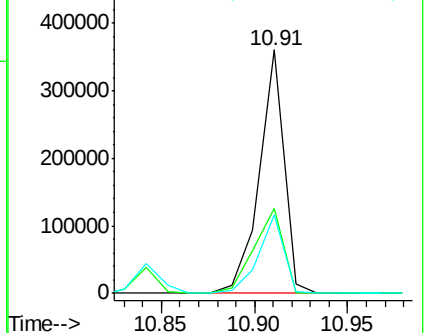
249 32.3 23.6 35.4



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: 58.87 ng

RT: 11.01 min Scan# 781

Delta R.T. -0.00 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

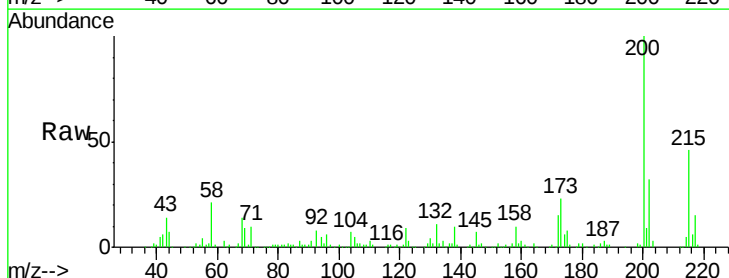
Tgt Ion:200 Resp: 334104

Ion Ratio Lower Upper

200 100

173 23.0 7.8 47.8

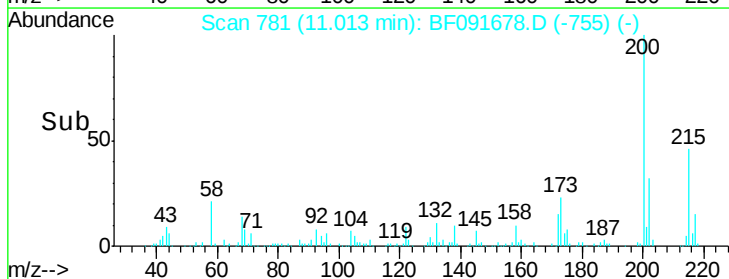
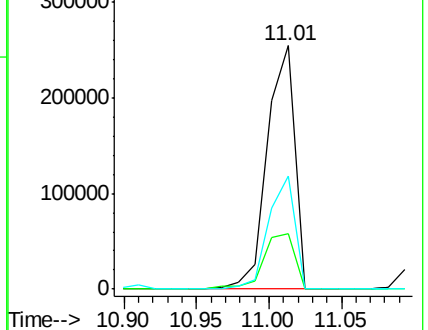
215 46.4 24.3 64.3

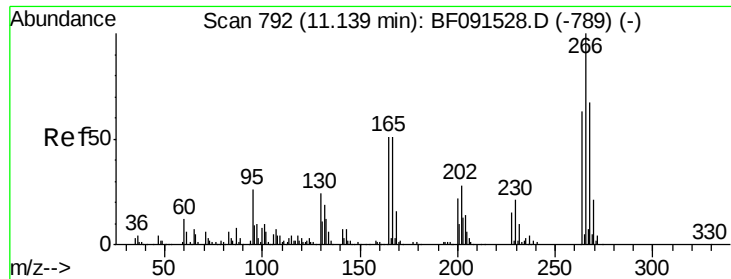


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

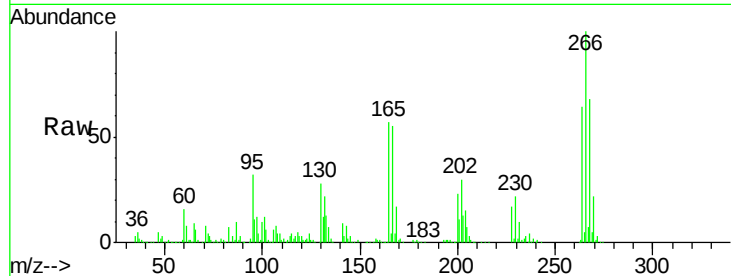




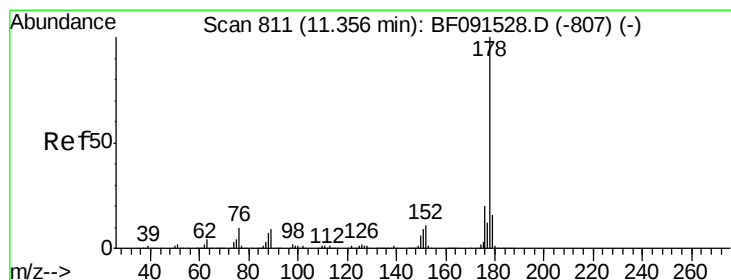
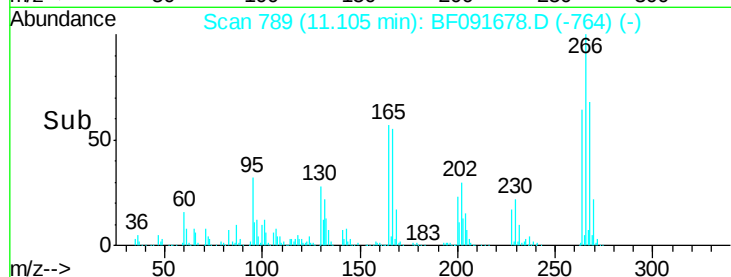
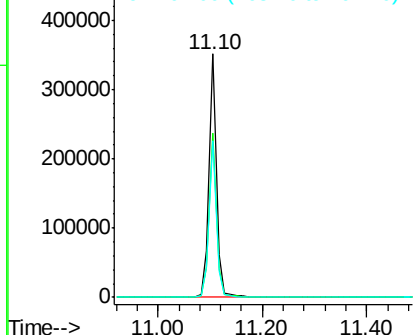
#69
 Pentachlorophenol
 Concen: 98.35 ng
 RT: 11.10 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

Tgt Ion: 266 Resp: 349319
 Ion Ratio Lower Upper
 266 100
 268 67.5 50.3 75.5
 264 64.3 48.2 72.2

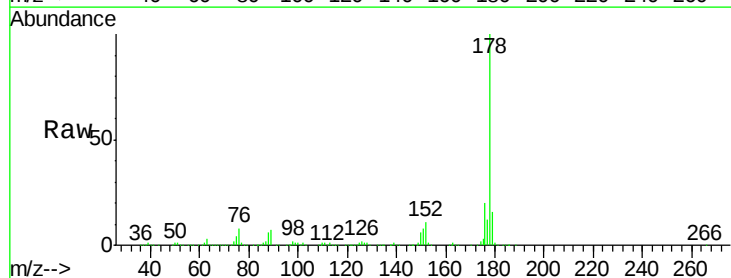


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

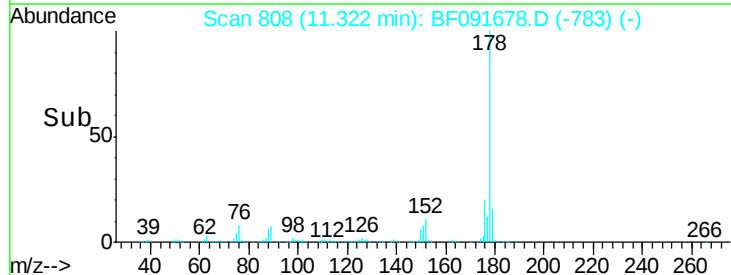
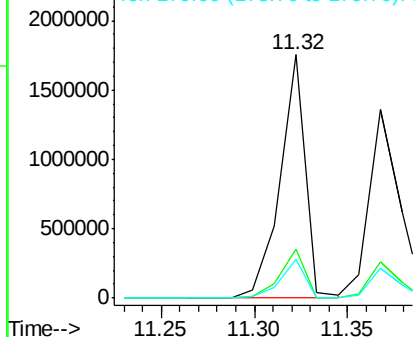


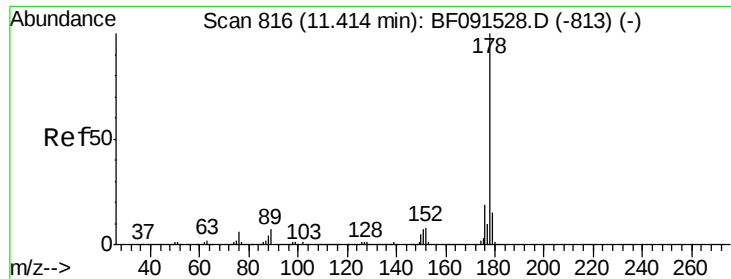
#70
 Phenanthrene
 Concen: 56.03 ng
 RT: 11.32 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Tgt Ion: 178 Resp: 1642718
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.9 23.9
 179 15.9 12.6 18.8



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

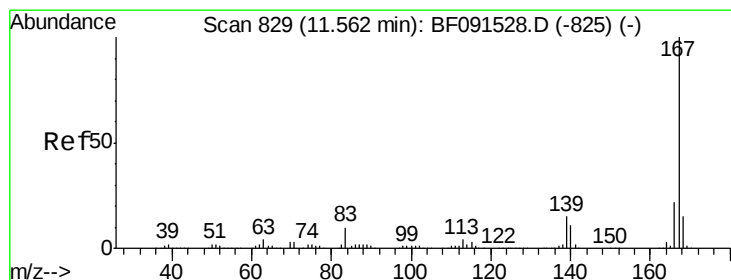
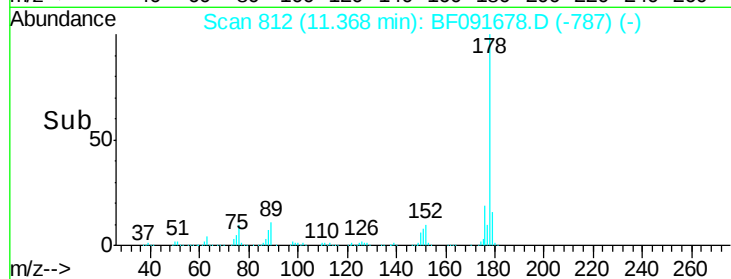
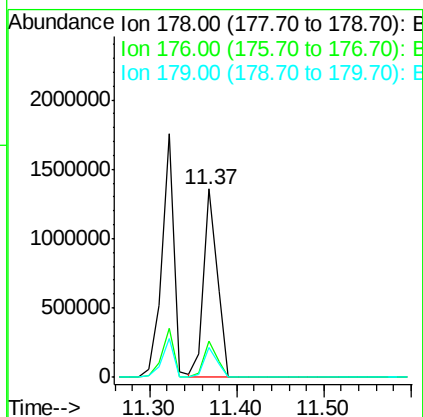
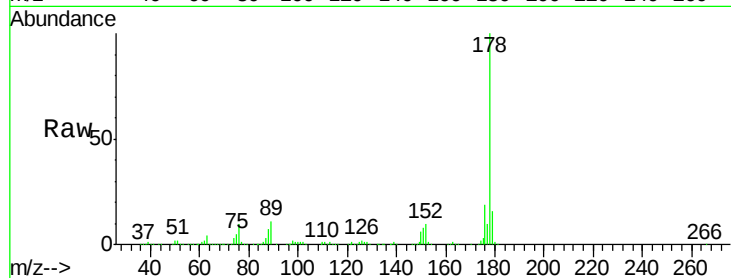




#71
 Anthracene
 Concen: 46.83 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

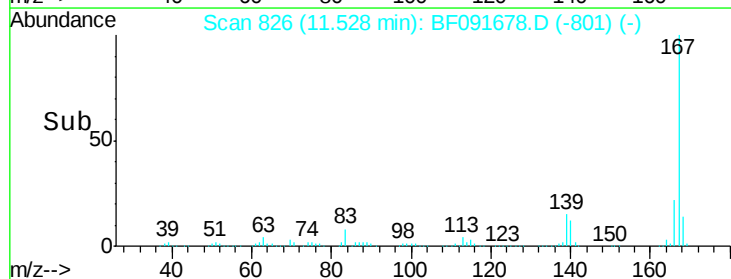
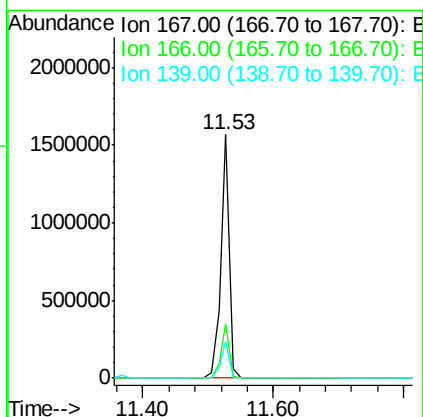
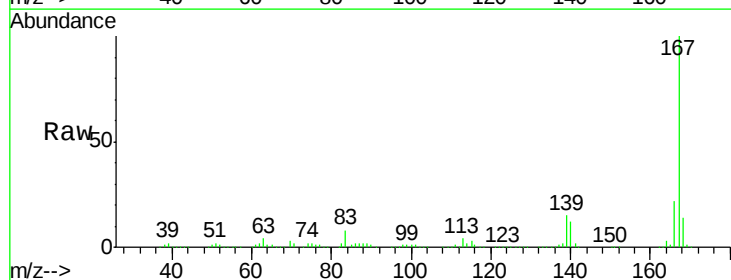
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

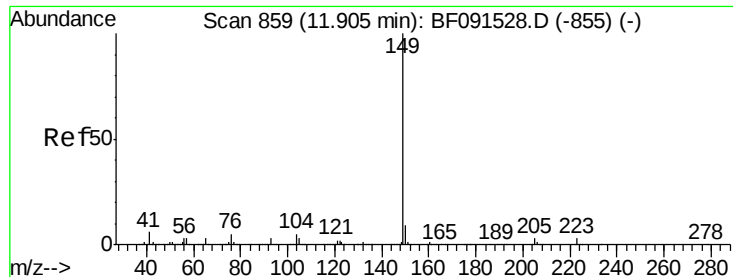
Tgt Ion:178 Resp: 1480728
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.8 23.6
 179 16.0 12.7 19.1



#72
 Carbazole
 Concen: 52.35 ng
 RT: 11.53 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Tgt Ion:167 Resp: 1450942
 Ion Ratio Lower Upper
 167 100
 166 22.4 18.1 27.1
 139 14.8 11.5 17.3





#73

Di-n-butylphthalate

Concen: 52.79 ng

RT: 11.86 min Scan# 855

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

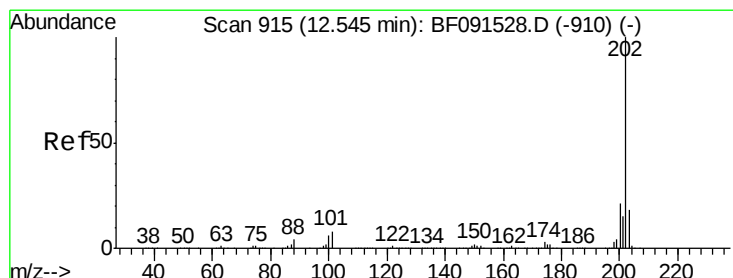
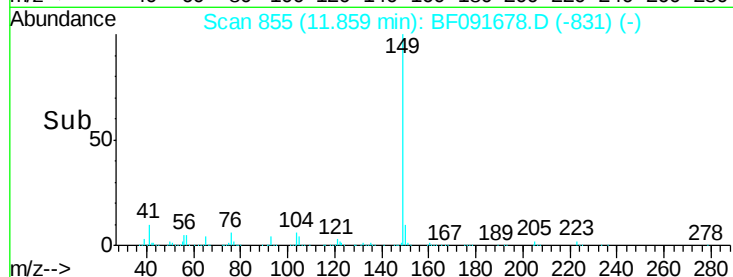
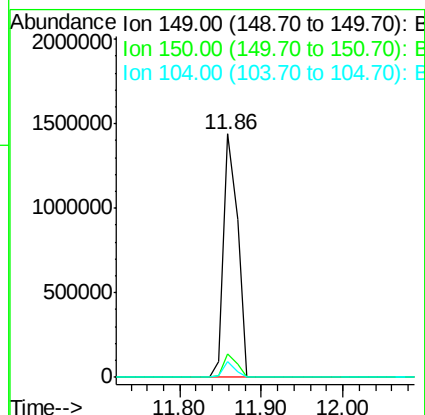
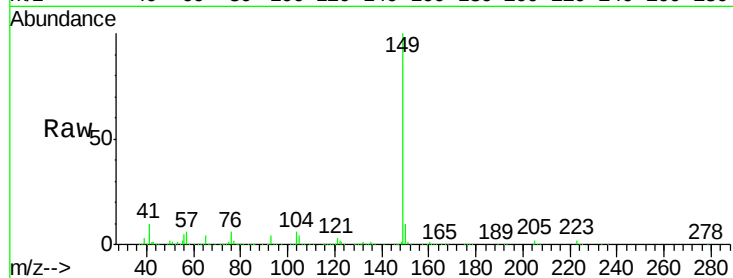
Tgt Ion:149 Resp: 1704580

Ion Ratio Lower Upper

149 100

150 9.8 7.5 11.3

104 6.3 4.0 6.0#



#74

Fluoranthene

Concen: 48.56 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

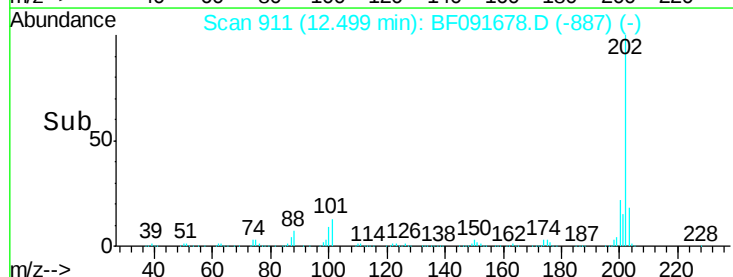
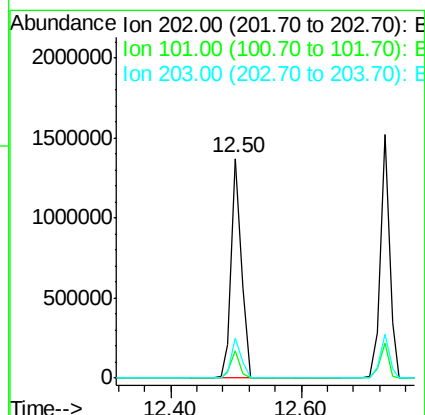
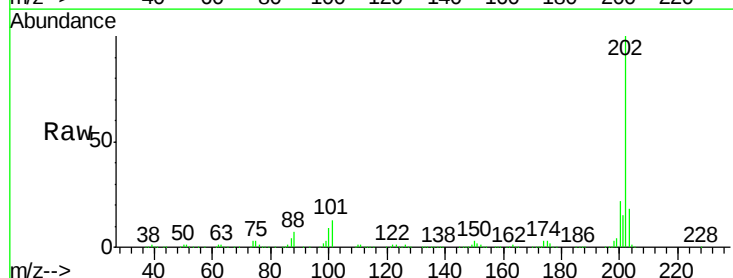
Tgt Ion:202 Resp: 1490516

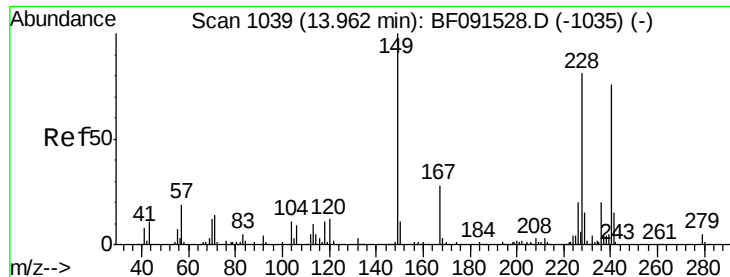
Ion Ratio Lower Upper

202 100

101 12.7 0.0 29.5

203 18.3 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

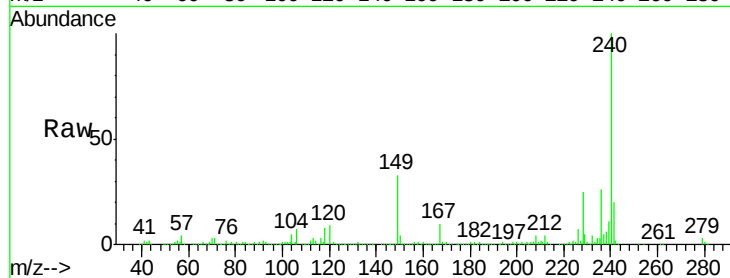
Tgt Ion:240 Resp: 469409

Ion Ratio Lower Upper

240 100

120 9.5 12.1 18.1#

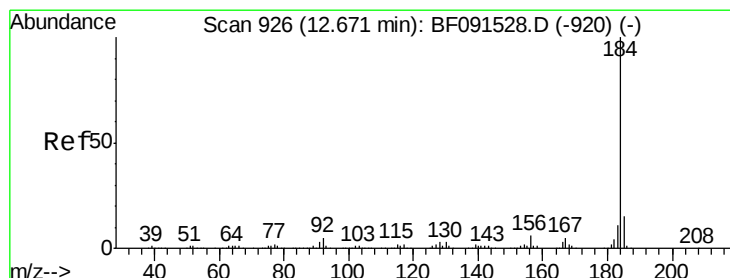
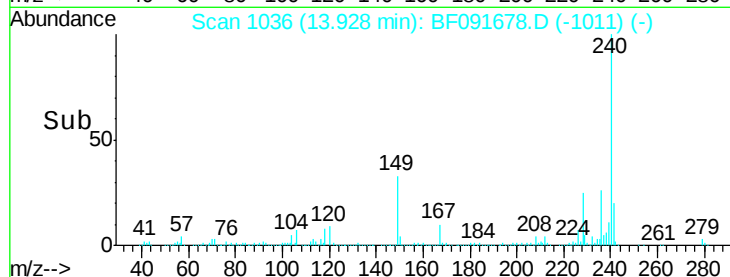
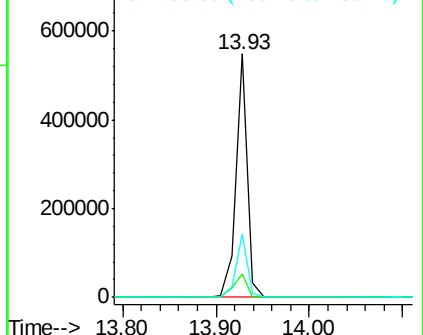
236 26.0 21.0 31.6



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: 18.09 ng

RT: 12.62 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

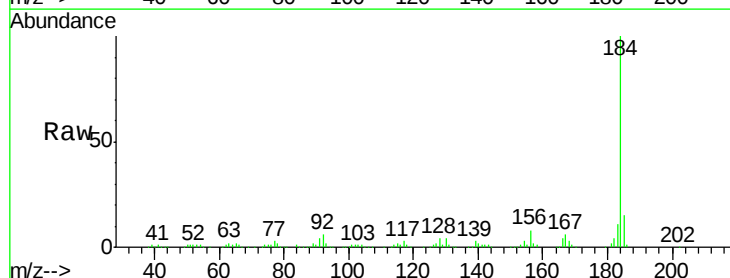
Tgt Ion:184 Resp: 262604

Ion Ratio Lower Upper

184 100

185 15.0 13.1 19.7

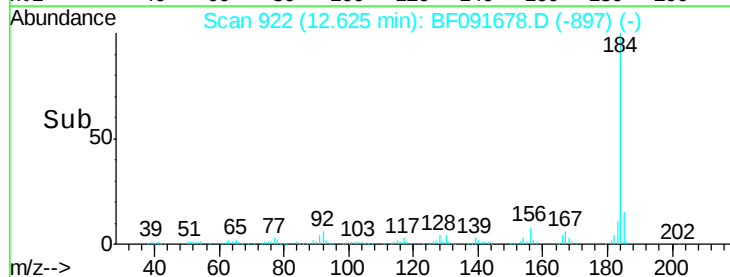
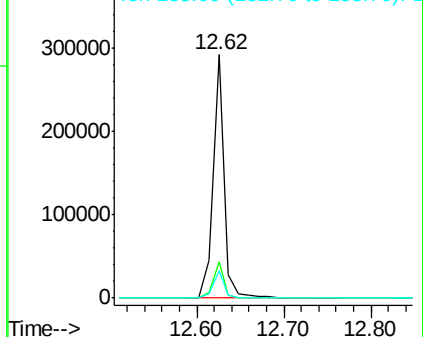
183 11.3 8.9 13.3

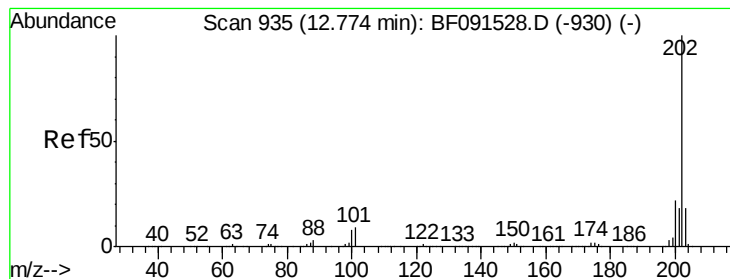


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 40.13 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

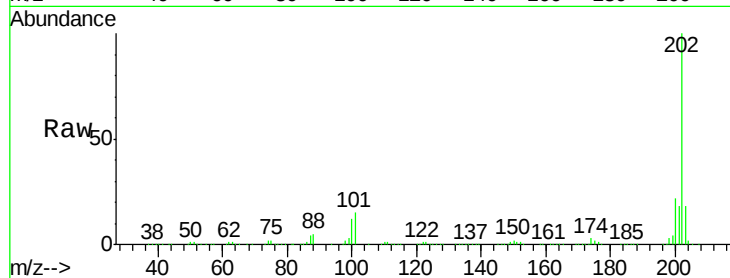
Tgt Ion:202 Resp: 1494563

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

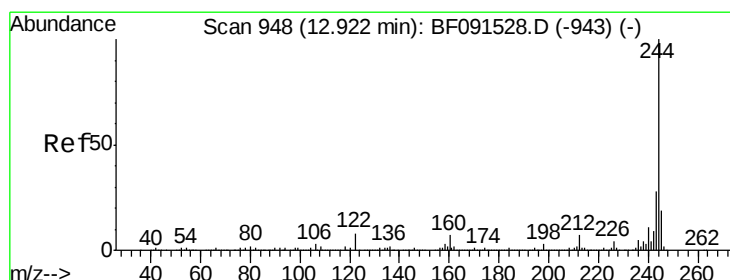
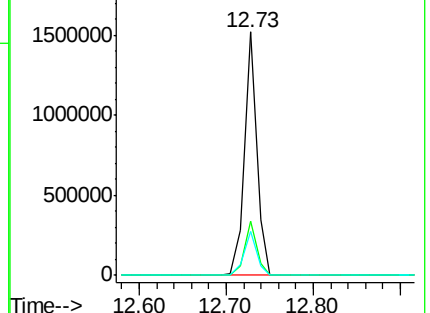
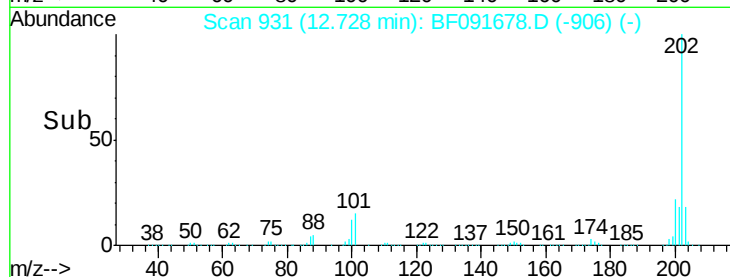
203 18.2 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 84.02 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

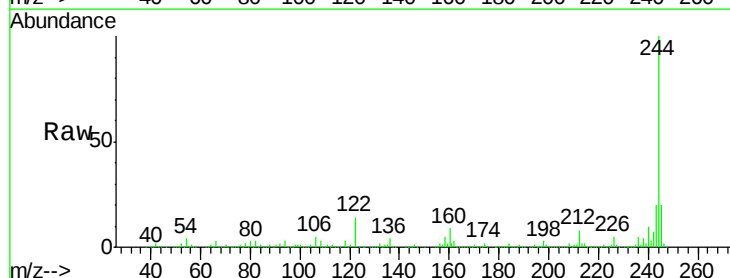
Tgt Ion:244 Resp: 1738059

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

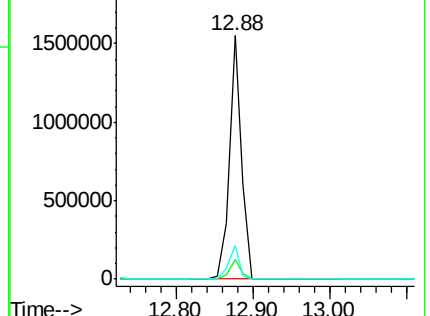
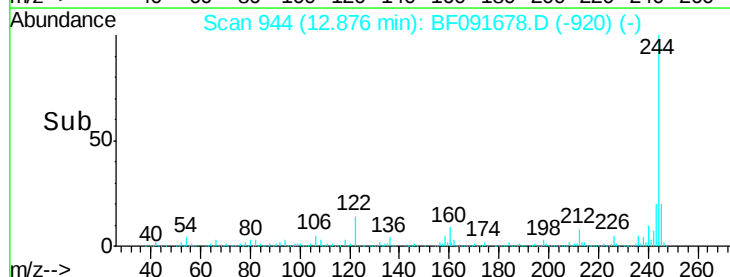
122 13.7 9.5 14.3

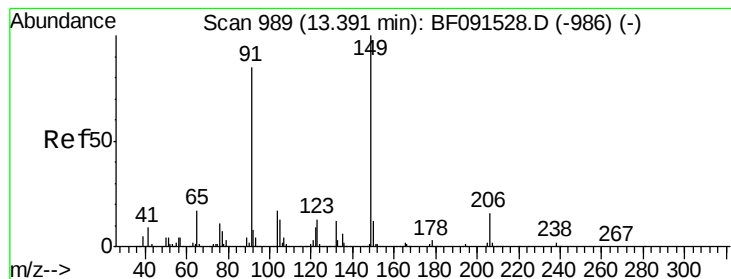


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 54.55 ng

RT: 13.36 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

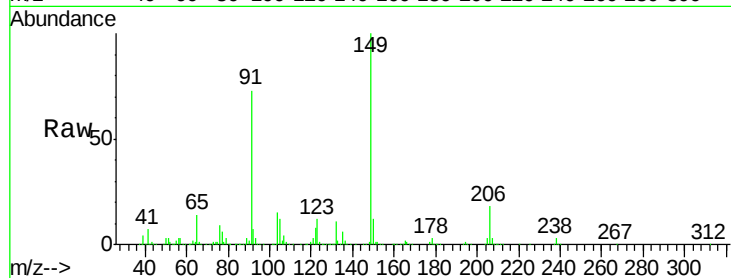
Tgt Ion:149 Resp: 791875

Ion Ratio Lower Upper

149 100

91 72.6 57.4 86.2

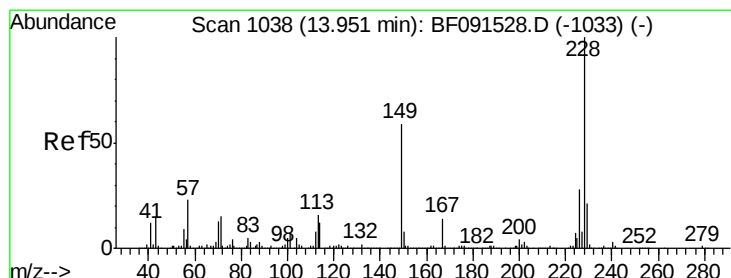
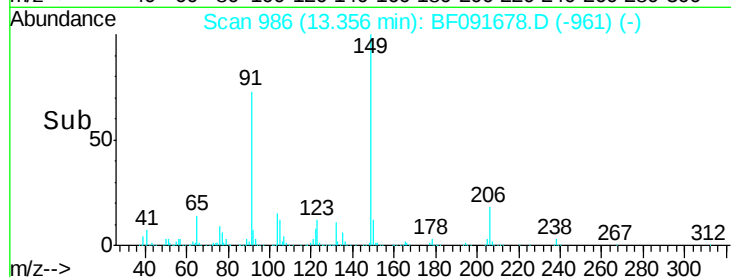
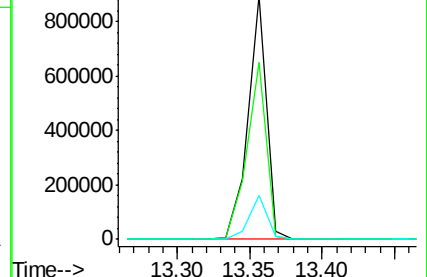
206 17.8 15.4 23.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 45.24 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

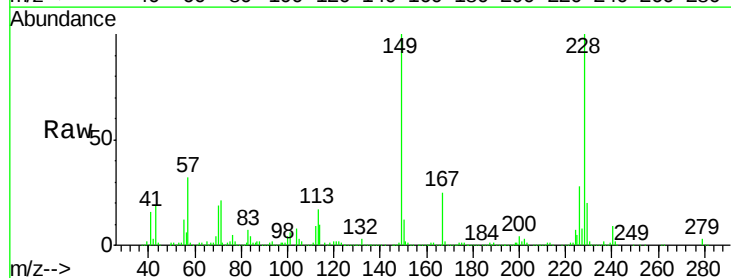
Tgt Ion:228 Resp: 1233280

Ion Ratio Lower Upper

228 100

226 28.0 22.5 33.7

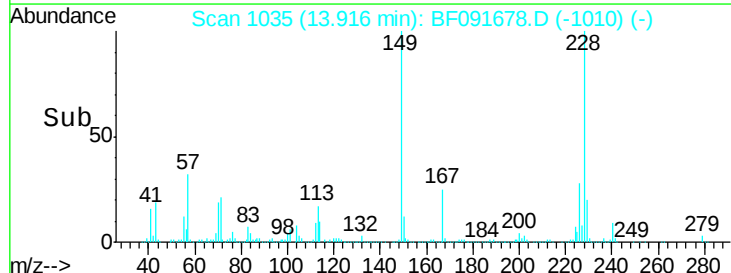
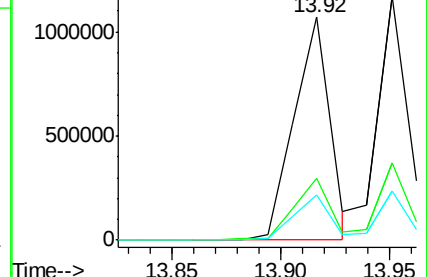
229 20.0 16.4 24.6

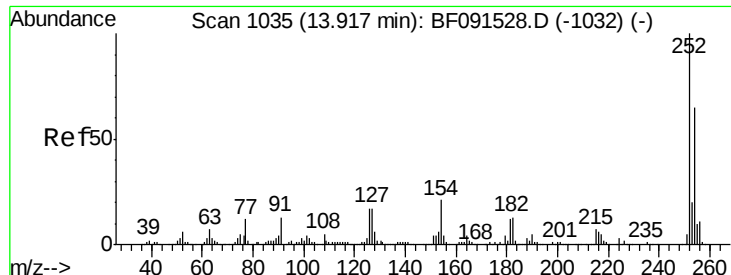


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

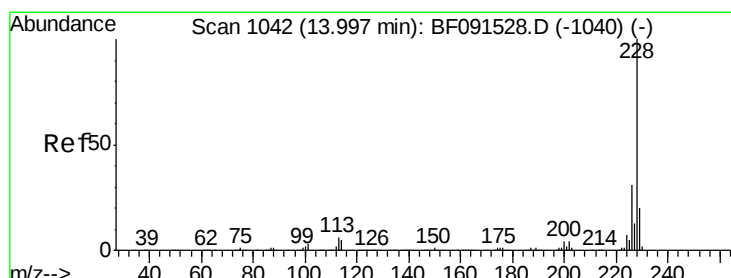
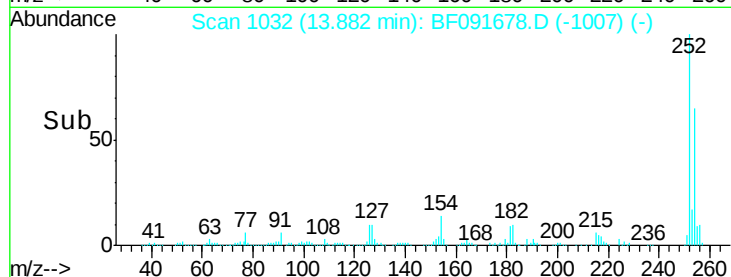
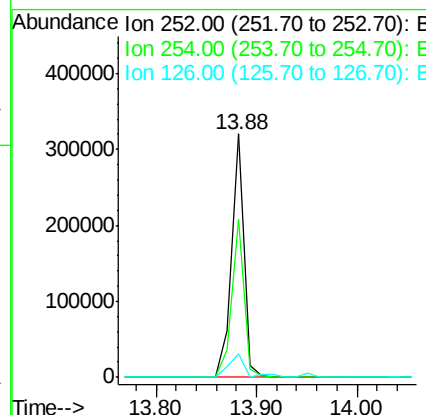
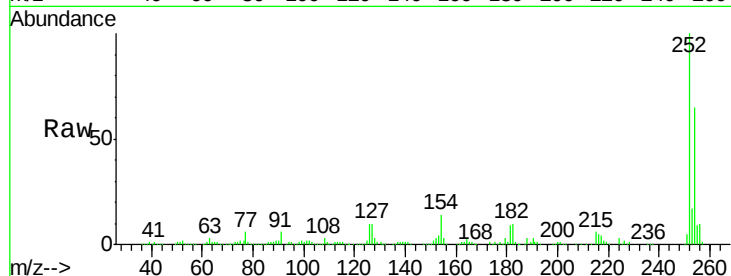




#81
 3,3'-Dichlorobenzidine
 Concen: 28.11 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

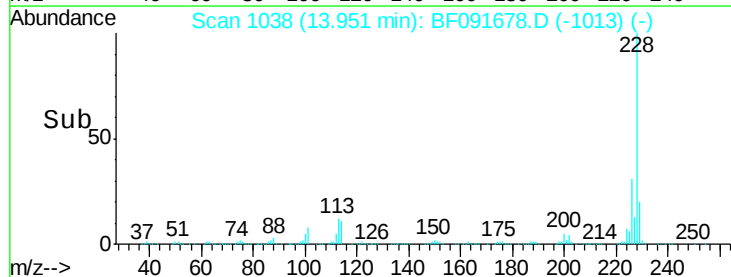
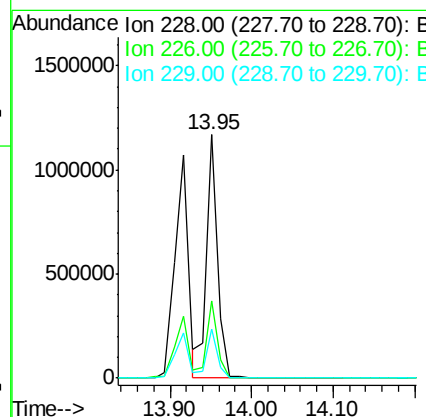
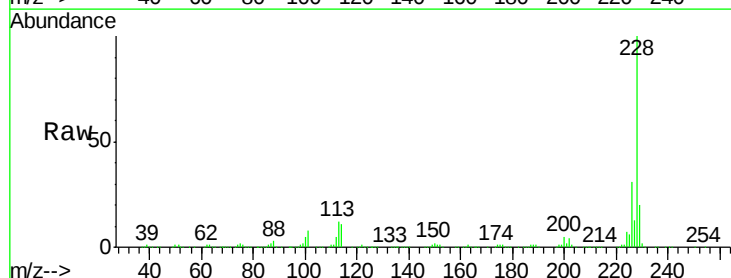
Instrument :
 BNA_F
 ClientSampleId :
 IDW-SOIL-01MS

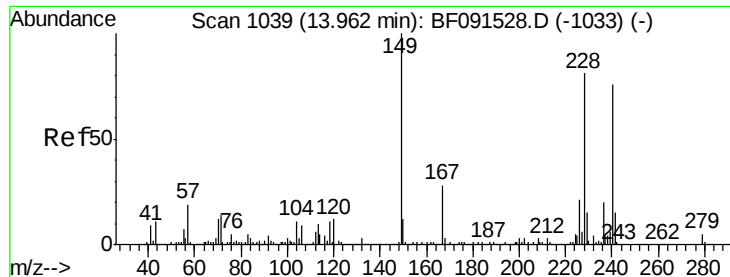
Tgt Ion:252 Resp: 275146
 Ion Ratio Lower Upper
 252 100
 254 64.7 52.1 78.1
 126 9.7 7.5 11.3



#82
 Chrysene
 Concen: 39.63 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091678.D
 Acq: 16 Dec 2016 17:47

Tgt Ion:228 Resp: 1130366
 Ion Ratio Lower Upper
 228 100
 226 31.5 25.0 37.4
 229 20.2 16.0 24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.26 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

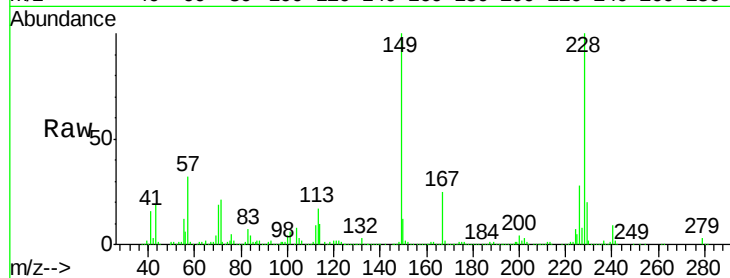
Tgt Ion:149 Resp: 954741

Ion Ratio Lower Upper

149 100

167 25.2 19.6 29.4

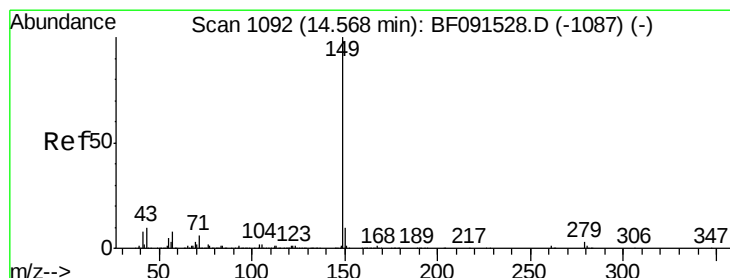
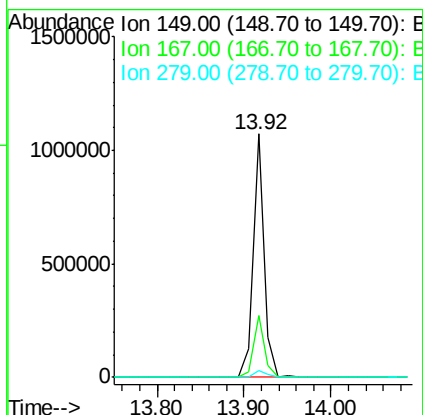
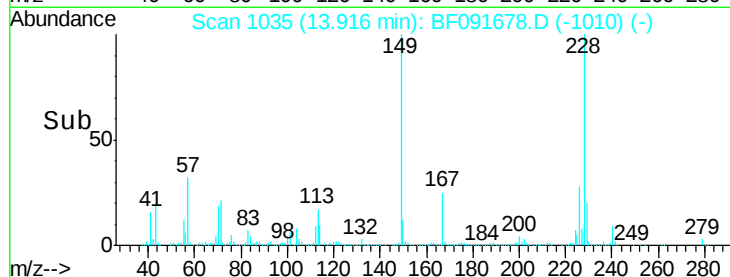
279 2.6 1.9 2.9



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: 51.32 ng

RT: 14.52 min Scan# 1088

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

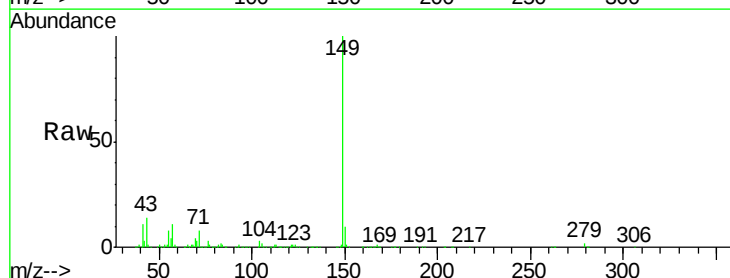
Tgt Ion:149 Resp: 1622464

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

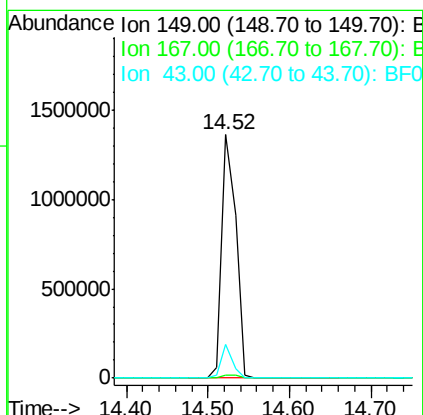
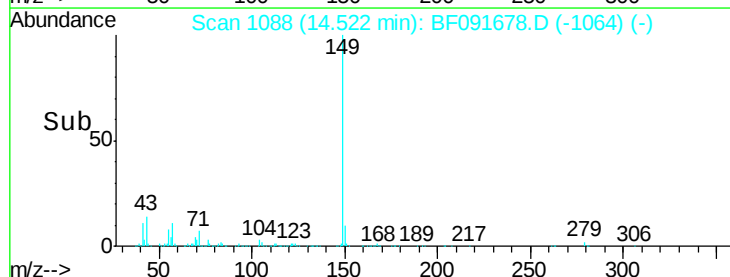
43 11.0 11.9 17.9#

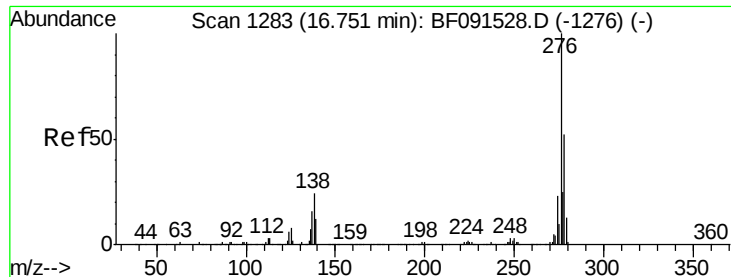


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0





#85

Indeno(1,2,3-cd)pyrene

Concen: 41.50 ng

RT: 16.67 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

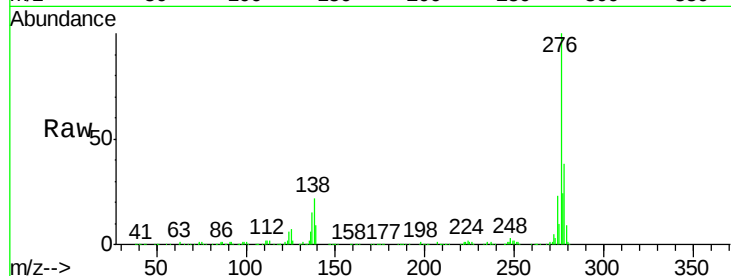
Tgt Ion:276 Resp: 1065206

Ion Ratio Lower Upper

276 100

138 23.5 21.0 31.4

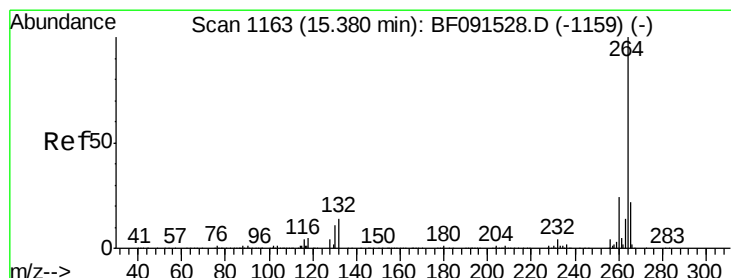
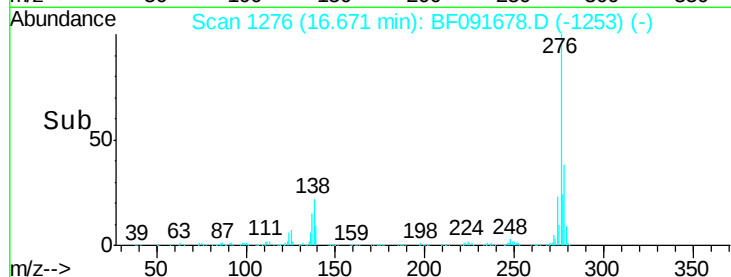
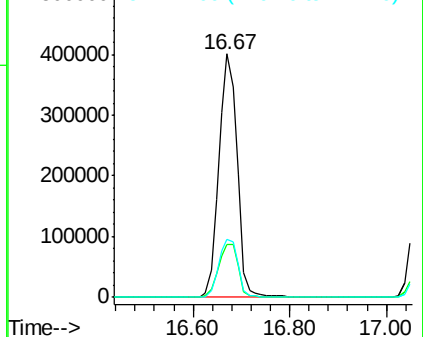
277 25.0 20.2 30.2



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: 15.32 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

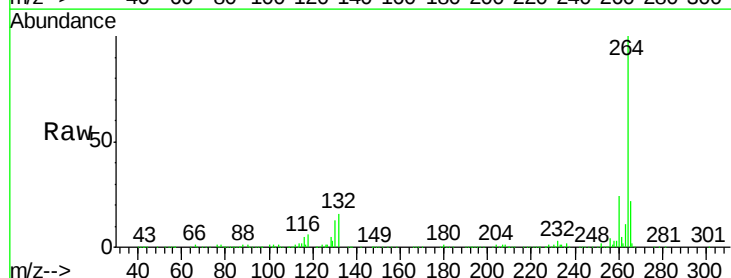
Tgt Ion:264 Resp: 377448

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

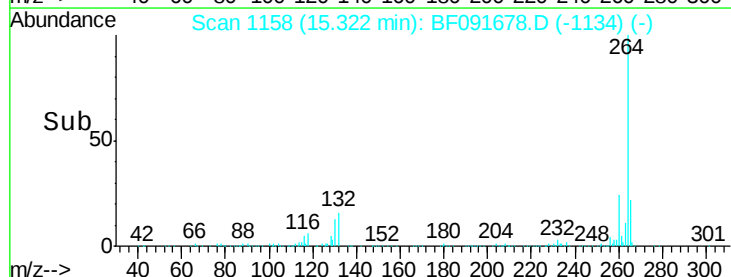
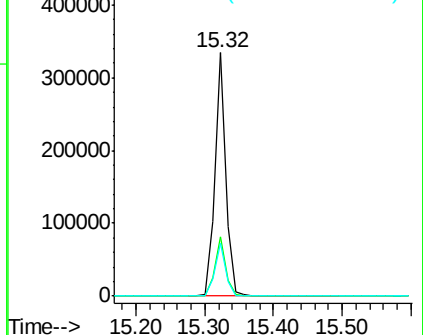
265 21.5 17.0 25.6

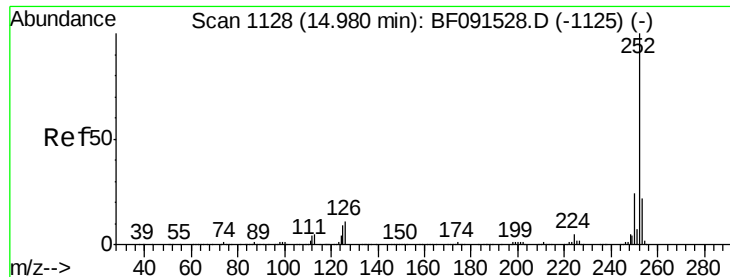


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

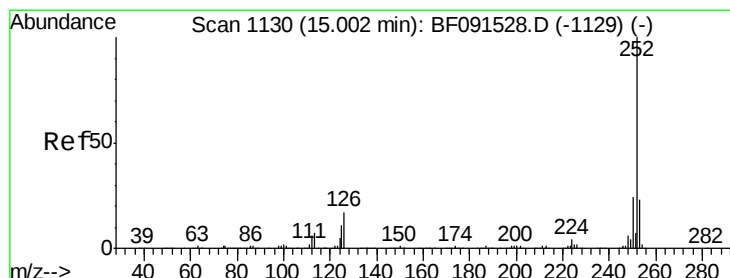
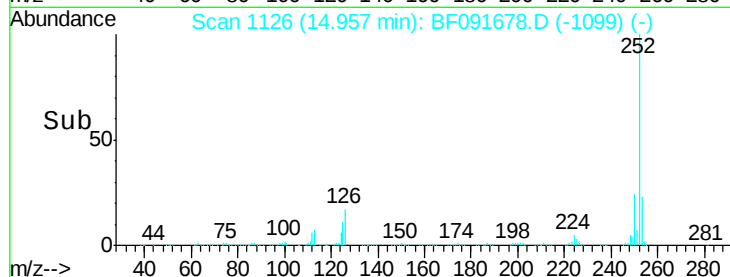
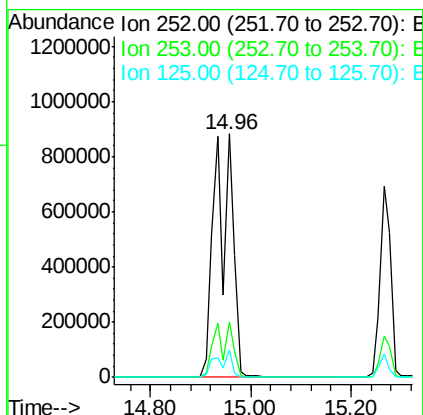
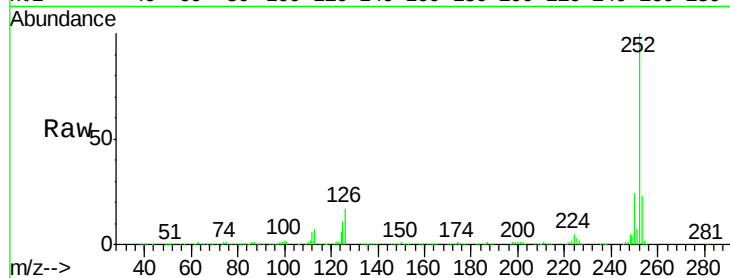




#87
Benzo(b)fluoranthene
Concen: 95.71 ng
RT: 14.96 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

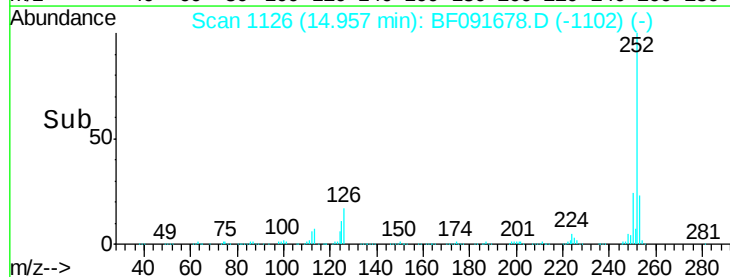
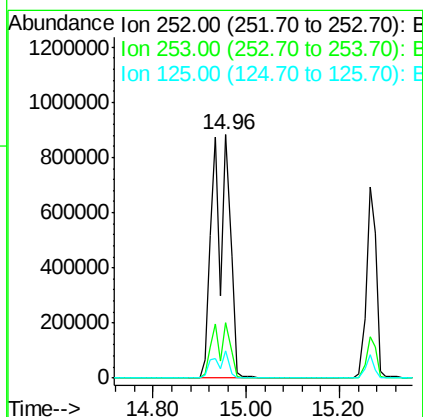
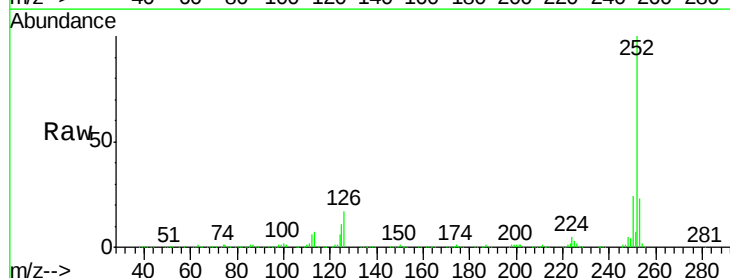
Instrument :
BNA_F
ClientSampleId :
IDW-SOIL-01MS

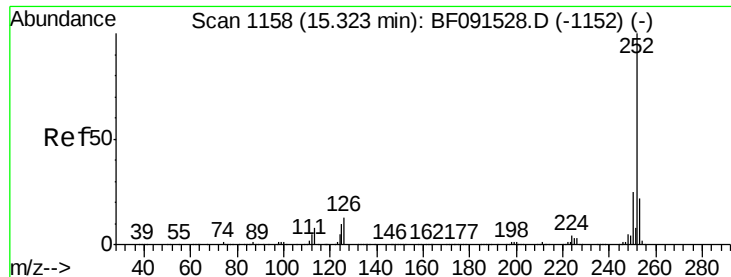
Tgt Ion:252 Resp: 2153555
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 11.1 8.6 13.0



#88
Benzo(k)fluoranthene
Concen: 108.88 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF091678.D
Acq: 16 Dec 2016 17:47

Tgt Ion:252 Resp: 2154148
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.1 9.6 14.4





#89

Benzo(a)pyrene

Concen: 50.55 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS

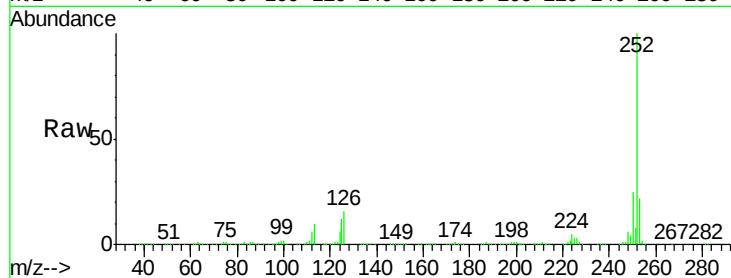
Tgt Ion:252 Resp: 1024752

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.4

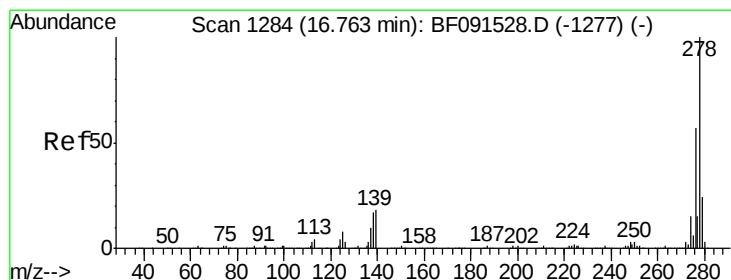
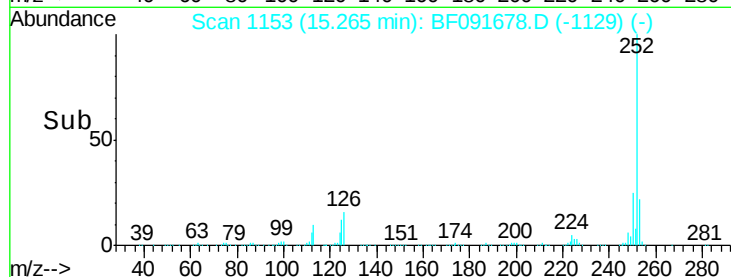
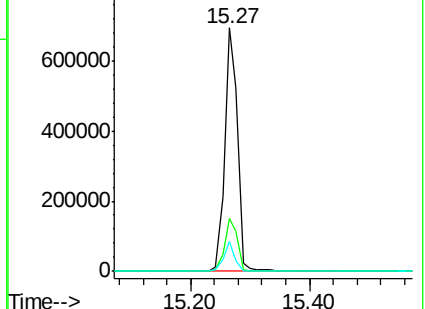
125 12.0 10.4 15.6



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: 47.95 ng

RT: 16.69 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF091678.D

Acq: 16 Dec 2016 17:47

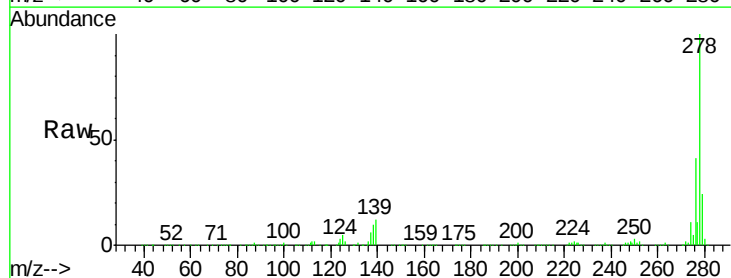
Tgt Ion:278 Resp: 870621

Ion Ratio Lower Upper

278 100

139 12.4 15.1 22.7#

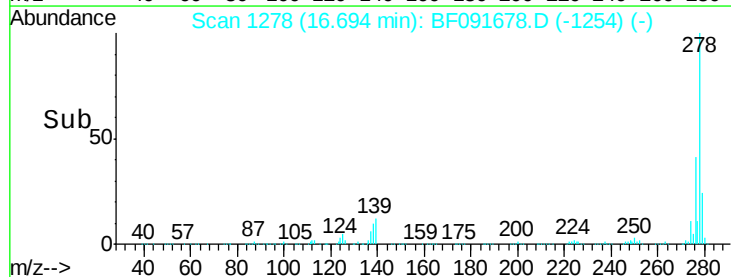
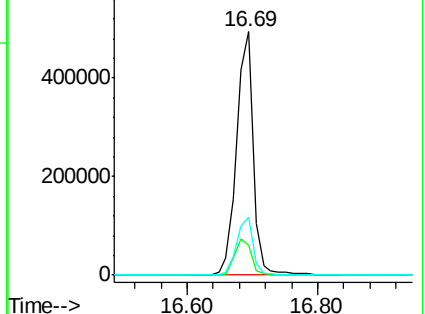
279 23.8 19.0 28.6

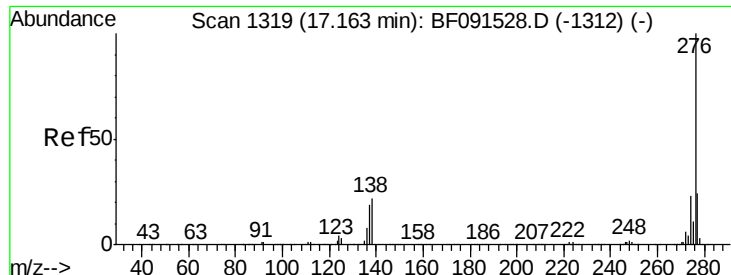


Abundance Ion 278.00 (277.70 to 278.70): E

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: 47.91 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.03 min

Lab File: BF091678.D

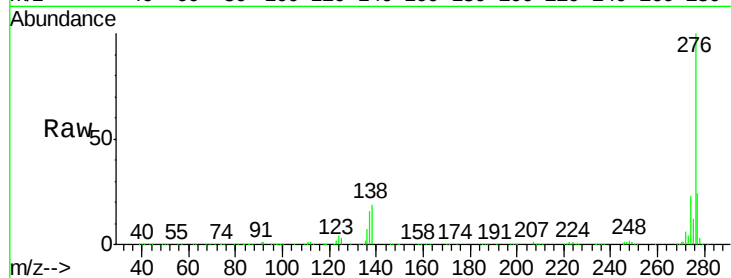
Acq: 16 Dec 2016 17:47

Instrument :

BNA_F

ClientSampleId :

IDW-SOIL-01MS



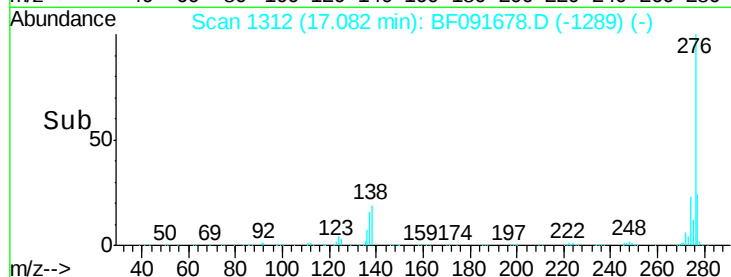
Tgt Ion:276 Resp: 885352

Ion Ratio Lower Upper

276 100

277 24.3 19.0 28.4

138 19.2 15.4 23.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

