

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF077998.D
 Acq On : 26 Mar 2015 16:36
 Operator : TP/IZ
 Sample : G1614-04
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Mar 27 05:32:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 00:54:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	32615	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	135895	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	67212	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	137958	20.00	ng	-0.01
75) Chrysene-d12	15.96	240	150342	20.00	ng	-0.05
86) Perylene-d12	17.77	264	140161	20.00	ng	-0.13

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	252248	135.00	ng	0.00
7) Phenol-d6	6.67	99	305355	132.27	ng	-0.01
23) Nitrobenzene-d5	7.79	82	186636	90.03	ng	0.00
41) 2,4,6-Tribromophenol	11.81	330	80209	124.73	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	415683	90.89	ng	0.00
78) Terphenyl-d14	14.67	244	507080	82.39	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.96	88	13282	15.66	ng	# 100
3) Pyridine	2.66	79	33726	14.80	ng	98
4) n-Nitrosodimethylamine	2.57	42	15772	15.89	ng	# 81
6) Aniline	6.68	93	49210	14.90	ng	# 70
8) 2-Chlorophenol	6.83	128	39274	17.66	ng	88
9) Benzaldehyde	6.53	77	29184	30.86	ng	98
10) Phenol	6.69	94	48451	17.75	ng	# 75
11) bis(2-Chloroethyl)ether	6.78	93	36901	18.05	ng	94
12) 1,3-Dichlorobenzene	7.01	146	42114	17.02	ng	99
13) 1,4-Dichlorobenzene	7.12	146	41778	16.25	ng	98
14) 1,2-Dichlorobenzene	7.30	146	40938	17.37	ng	98
15) Benzyl Alcohol	7.29	79	31872	17.69	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.46	45	46645	16.93	ng	99
17) 2-Methylphenol	7.44	107	31574	17.44	ng	96
18) Hexachloroethane	7.71	117	14004	16.61	ng	94
19) n-Nitroso-di-n-propylamine	7.62	70	25452	15.94	ng	# 93
20) 3+4-Methylphenols	7.63	107	41165	17.33	ng	93
22) Acetophenone	7.61	105	54622	18.16	ng	# 92
24) Nitrobenzene	7.81	77	39513	17.69	ng	# 89
25) Isophorone	8.11	82	69910	16.70	ng	94
26) 2-Nitrophenol	8.20	139	16203	14.82	ng	# 77
27) 2,4-Dimethylphenol	8.28	122	34923	17.53	ng	99
28) bis(2-Chloroethoxy)methane	8.40	93	46348	18.24	ng	98
29) 2,4-Dichlorophenol	8.51	162	33321	17.55	ng	97
30) 1,2,4-Trichlorobenzene	8.60	180	35093	16.52	ng	98
31) Naphthalene	8.69	128	117092	16.78	ng	100
32) Benzoic acid	8.38	122	7192	9.15	ng	89
33) 4-Chloroaniline	8.77	127	43708	15.43	ng	# 91
34) Hexachlorobutadiene	8.85	225	19836	16.47	ng	98
35) Caprolactam	9.18	113	9434	17.00	ng	98
36) 4-Chloro-3-methylphenol	9.39	107	34271	17.94	ng	87
37) 2-Methylnaphthalene	9.55	142	78799	16.81	ng	96
39) 1,2,4,5-Tetrachlorobenzene	9.76	216	33448	16.68	ng	# 100
40) Hexachlorocyclopentadiene	9.74	237	10271	13.00	ng	100

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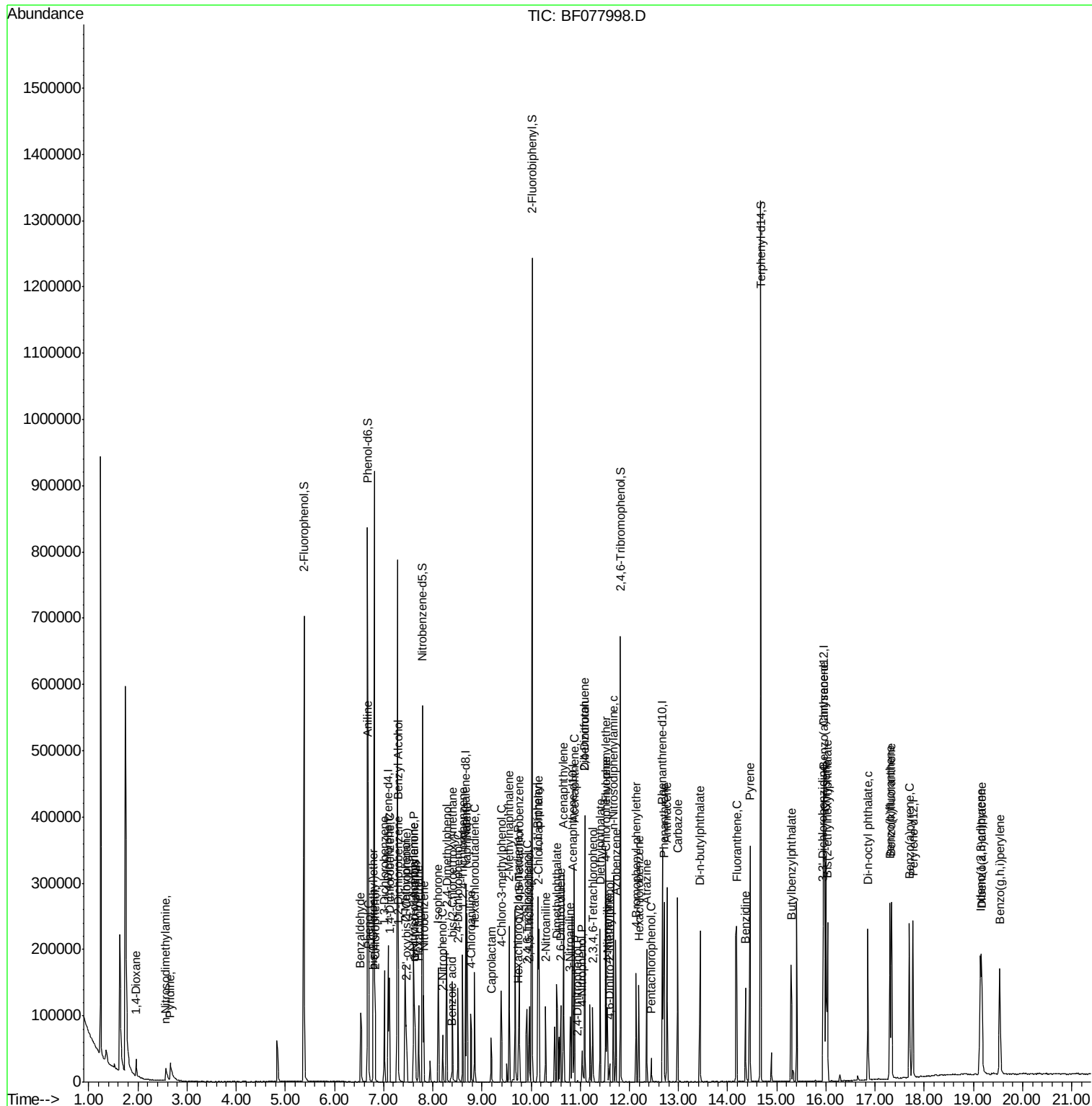
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.92	196	21512	15.49	ng	98
43) 2,4,5-Trichlorophenol	9.96	196	24376	16.25	ng	96
45) 1,1'-Biphenyl	10.13	154	96058	17.88	ng	97
46) 2-Chloronaphthalene	10.16	162	77520	17.75	ng	97
47) 2-Nitroaniline	10.29	65	19295	17.79	ng	96
48) Acenaphthylene	10.66	152	124903	17.20	ng	99
49) Dimethylphthalate	10.52	163	87878	17.63	ng	100
50) 2,6-Dinitrotoluene	10.60	165	18188	17.60	ng	# 85
51) Acenaphthene	10.88	154	69915	16.79	ng	97
52) 3-Nitroaniline	10.80	138	19112	15.93	ng	# 68
53) 2,4-Dinitrophenol	10.95	184	419	9.05	ng	# 79
54) Dibenzofuran	11.09	168	113362	18.36	ng	97
55) 4-Nitrophenol	11.04	139	10695	12.03	ng	# 73
56) 2,4-Dinitrotoluene	11.09	165	24569	18.23	ng	90
57) Fluorene	11.52	166	91131	17.78	ng	98
58) 2,3,4,6-Tetrachlorophenol	11.25	232	18641	16.14	ng	# 100
59) Diethylphthalate	11.40	149	87596	18.03	ng	98
60) 4-Chlorophenyl-phenylether	11.53	204	42933	18.35	ng	95
61) 4-Nitroaniline	11.55	138	20960	17.52	ng	84
62) Azobenzene	11.72	77	82705	17.82	ng	95
64) 4,6-Dinitro-2-methylphenol	11.60	198	4843	11.07	ng	89
65) n-Nitrosodiphenylamine	11.68	169	78019	16.98	ng	99
66) 4-Bromophenyl-phenylether	12.13	248	24653	16.74	ng	96
67) Hexachlorobenzene	12.19	284	26739	16.53	ng	99
68) Atrazine	12.35	200	24108	18.73	ng	92
69) Pentachlorophenol	12.44	266	5658	9.50	ng	93
70) Phenanthrene	12.71	178	136863	17.28	ng	98
71) Anthracene	12.76	178	138528	17.70	ng	99
72) Carbazole	12.98	167	131815	17.71	ng	98
73) Di-n-butylphthalate	13.44	149	138637	16.61	ng	99
74) Fluoranthene	14.18	202	150687	17.25	ng	99
76) Benzidine	14.36	184	65986	17.47	ng	98
77) Pyrene	14.45	202	165894	17.55	ng	98
79) Butylbenzylphthalate	15.29	149	55309	14.84	ng	# 79
80) Benzo(a)anthracene	15.95	228	150477	16.88	ng	99
81) 3,3'-Dichlorobenzidine	15.94	252	44197	15.03	ng	98
82) Chrysene	16.00	228	146085	18.23	ng	99
83) Bis(2-ethylhexyl)phthalate	16.03	149	80046	14.18	ng	98
84) Di-n-octyl phthalate	16.85	149	128996	13.36	ng	99
85) Indeno(1,2,3-cd)pyrene	19.14	276	157167	15.71	ng	# 100
87) Benzo(b)fluoranthene	17.30	252	140228	15.33	ng	# 97
88) Benzo(k)fluoranthene	17.33	252	149648m	20.94	ng	
89) Benzo(a)pyrene	17.70	252	141154	18.49	ng	98
90) Dibenzo(a,h)anthracene	19.16	278	129753	17.13	ng	97
91) Benzo(g,h,i)perylene	19.54	276	133256	17.29	ng	97

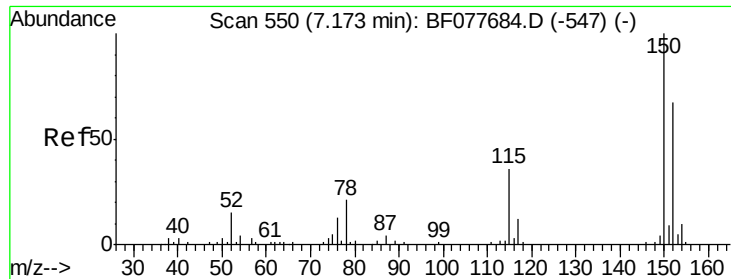
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.09 min Scan# 543

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

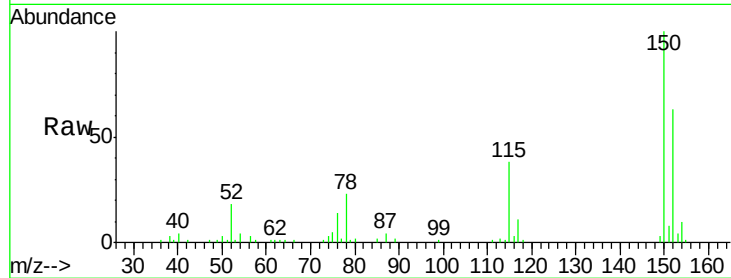
Tgt Ion:152 Resp: 32615

Ion Ratio Lower Upper

152 100

150 158.3 119.5 179.3

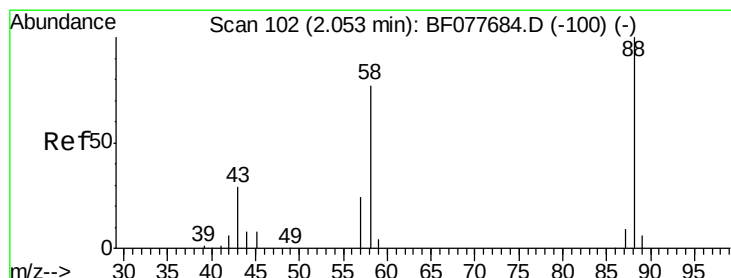
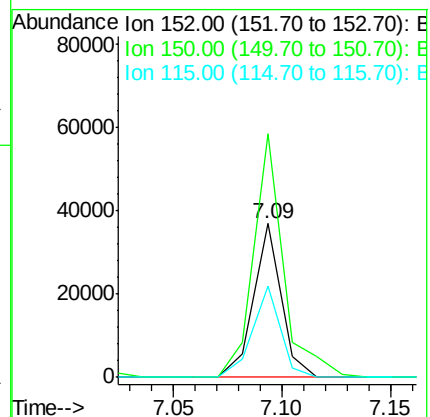
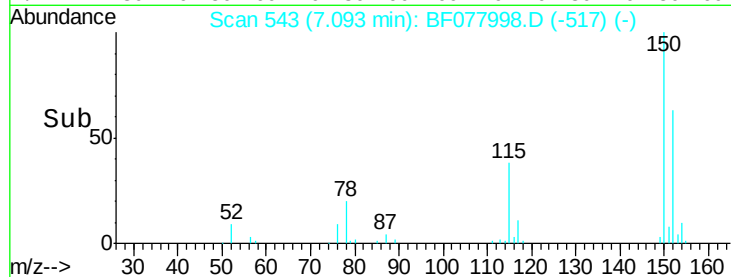
115 59.5 43.0 64.4



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: 15.66 ng

RT: 1.96 min Scan# 94

Delta R.T. 0.02 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

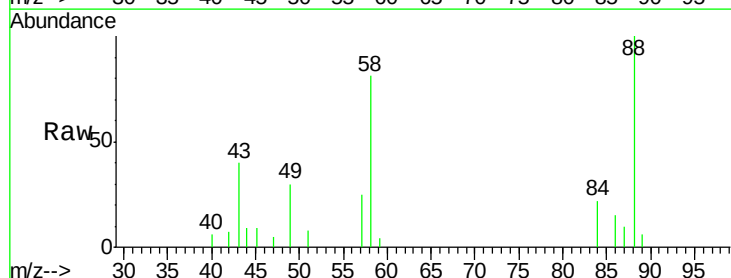
Tgt Ion: 88 Resp: 13282

Ion Ratio Lower Upper

88 100

58 86.1 0.0 0.0#

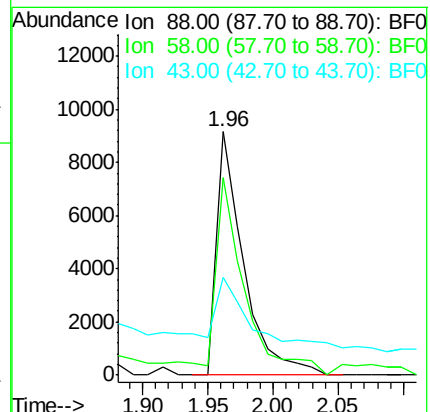
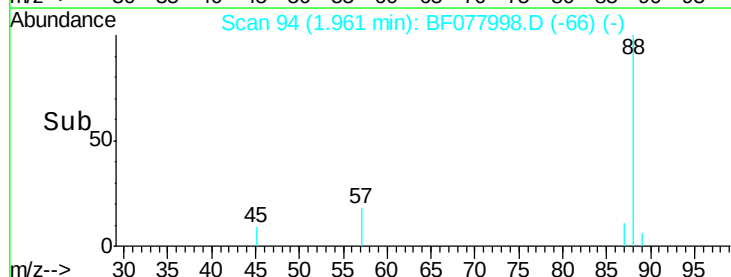
43 47.1 0.0 0.0#

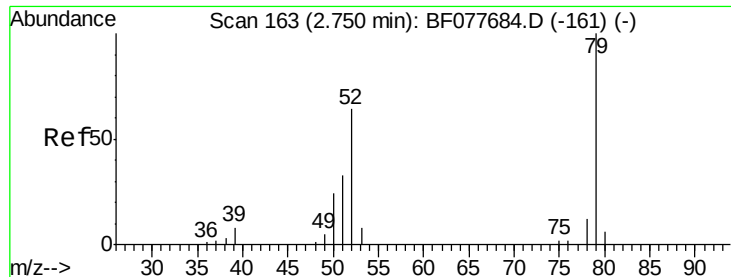


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 14.80 ng

RT: 2.66 min Scan# 155

Delta R.T. 0.06 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

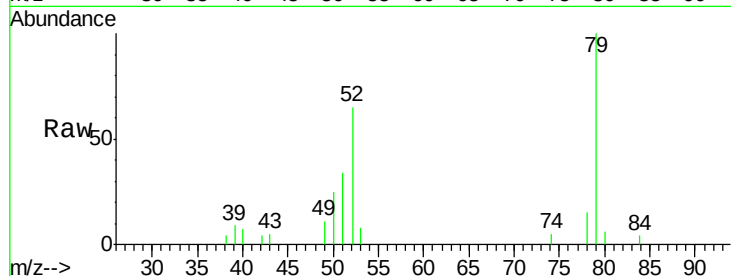
Tgt Ion: 79 Resp: 33726

Ion Ratio Lower Upper

79 100

52 65.1 51.1 76.7

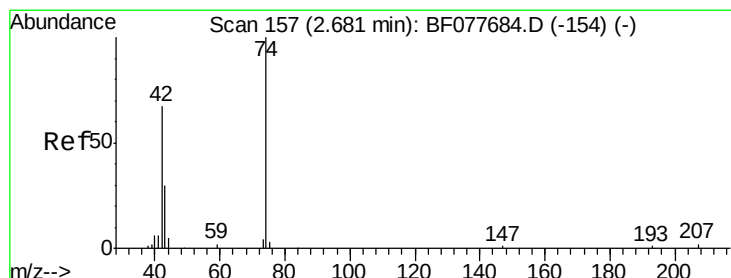
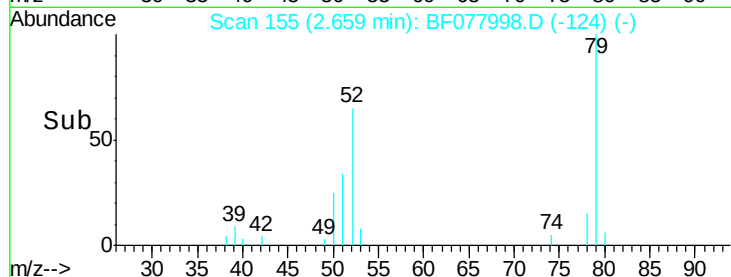
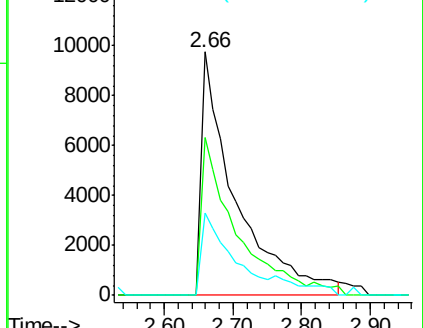
51 33.8 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 15.89 ng

RT: 2.57 min Scan# 147

Delta R.T. 0.02 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

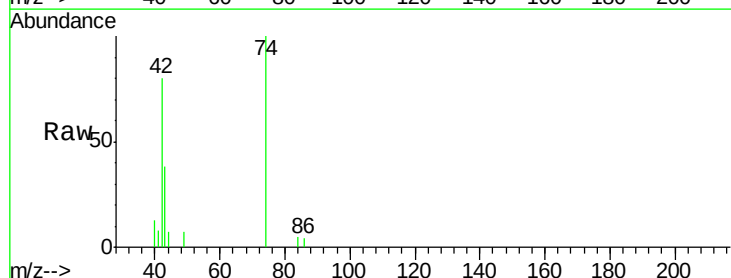
Tgt Ion: 42 Resp: 15772

Ion Ratio Lower Upper

42 100

74 124.5 119.3 178.9

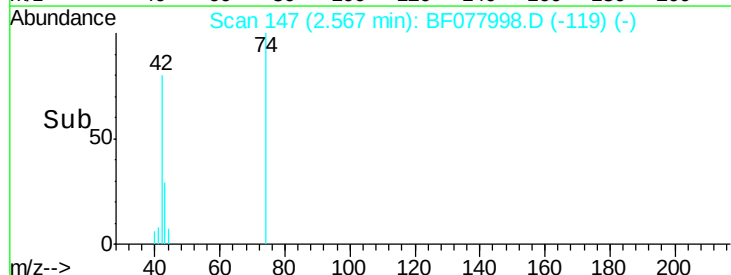
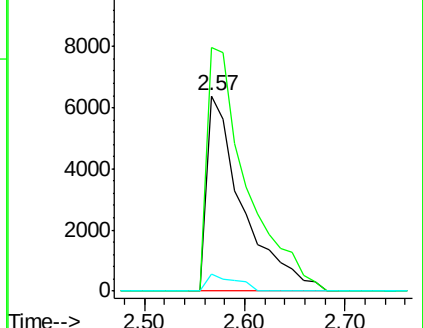
44 8.5 5.4 8.2#

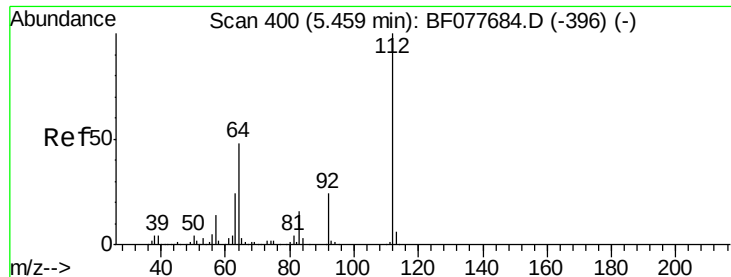


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 135.00 ng

RT: 5.38 min Scan# 393

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

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ClientSampleId :

LOQ-SOIL2015-02

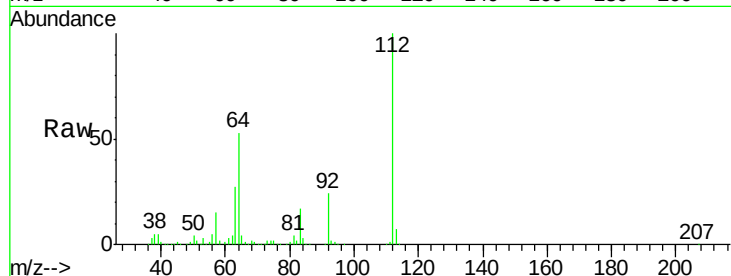
Tgt Ion: 112 Resp: 252248

Ion Ratio Lower Upper

112 100

64 53.1 38.6 57.8

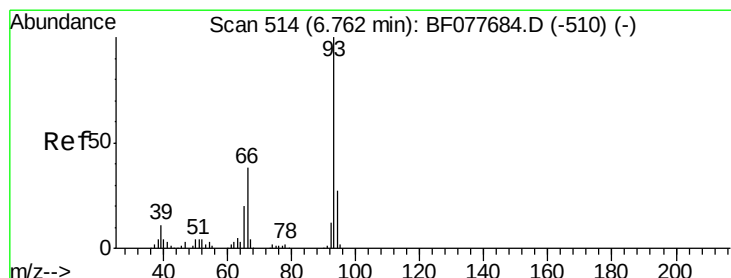
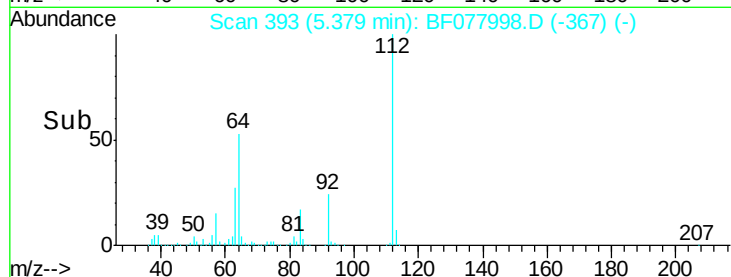
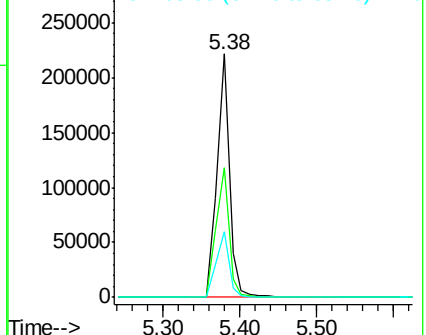
63 27.0 19.3 28.9



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: 14.90 ng

RT: 6.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

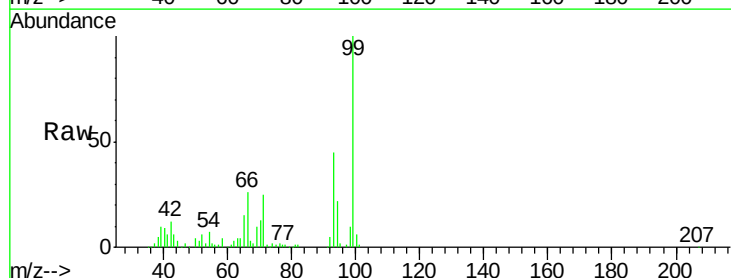
Tgt Ion: 93 Resp: 49210

Ion Ratio Lower Upper

93 100

66 58.1 30.8 46.2#

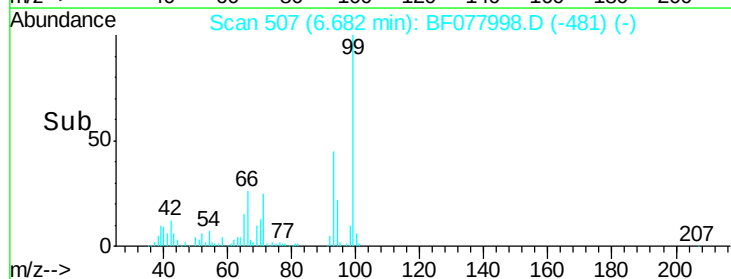
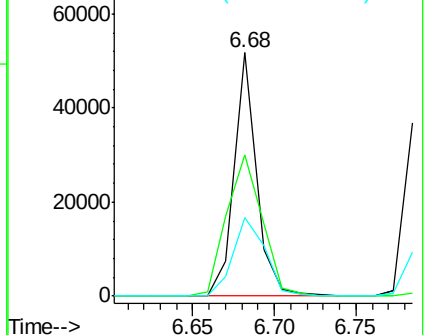
65 32.3 16.0 24.0#

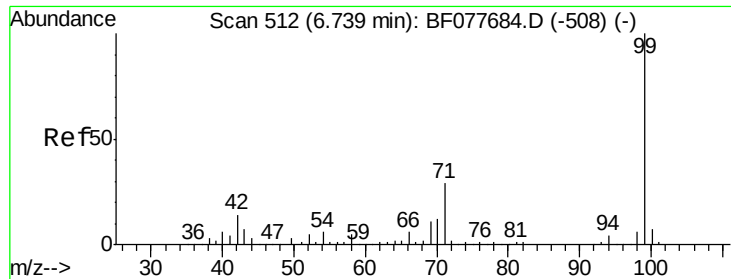


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 132.27 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: BF077998.D

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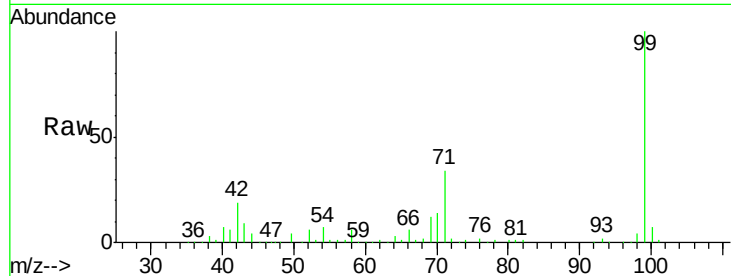
Tgt Ion: 99 Resp: 305355

Ion Ratio Lower Upper

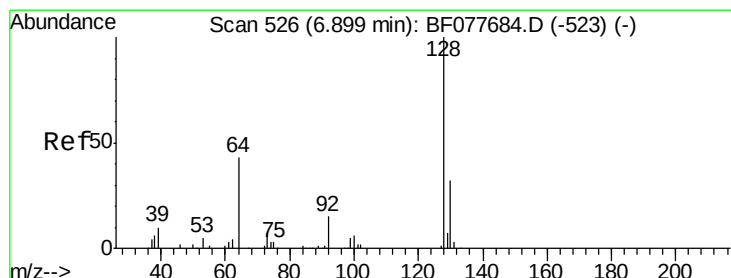
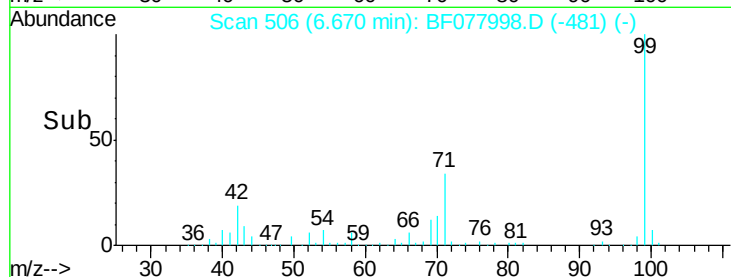
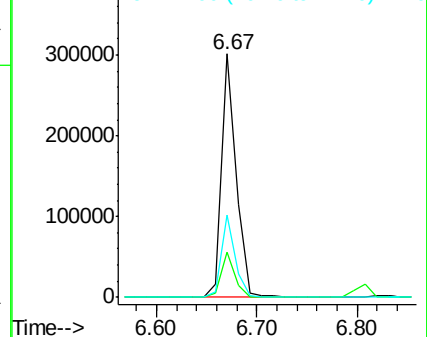
99 100

42 18.5 11.0 16.4#

71 33.6 23.4 35.2



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: 17.66 ng

RT: 6.83 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

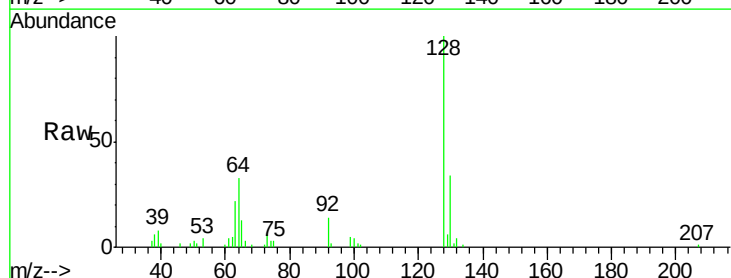
Tgt Ion: 128 Resp: 39274

Ion Ratio Lower Upper

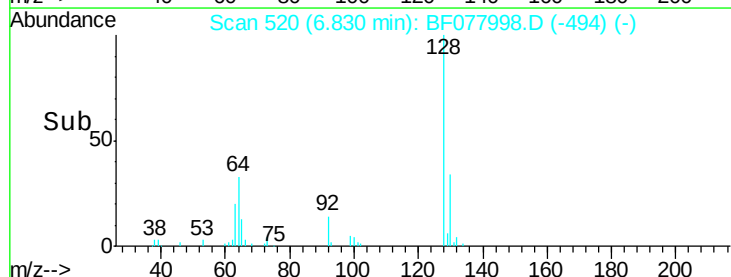
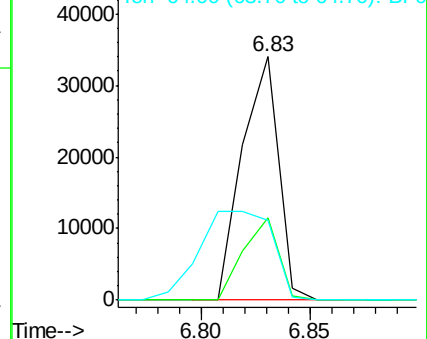
128 100

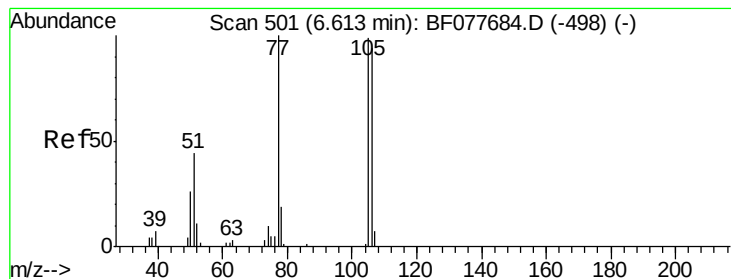
130 34.0 12.0 52.0

64 32.8 24.9 64.9



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: 30.86 ng

RT: 6.53 min Scan# 494

Delta R.T. -0.01 min

Lab File: BF077998.D

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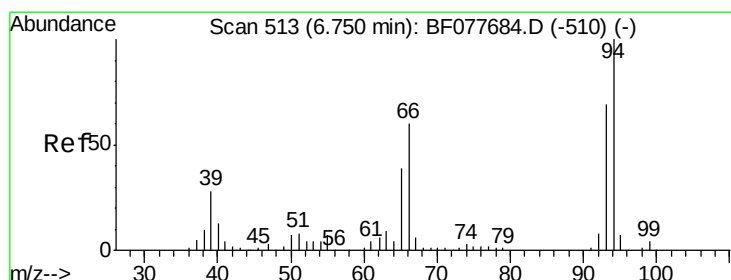
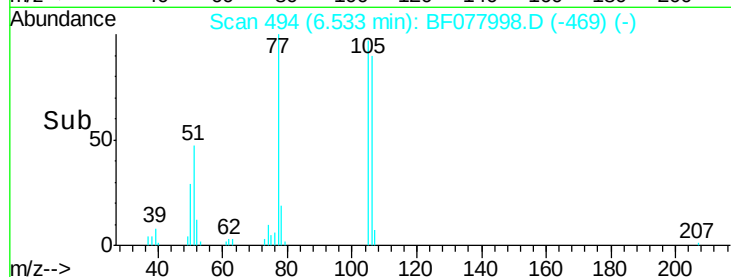
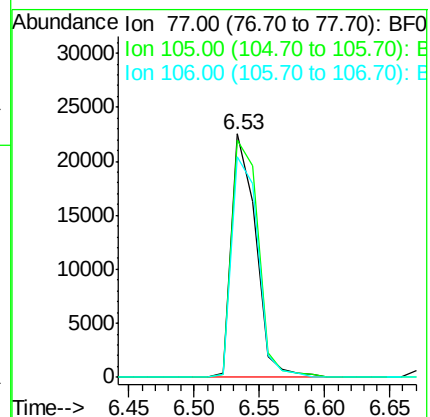
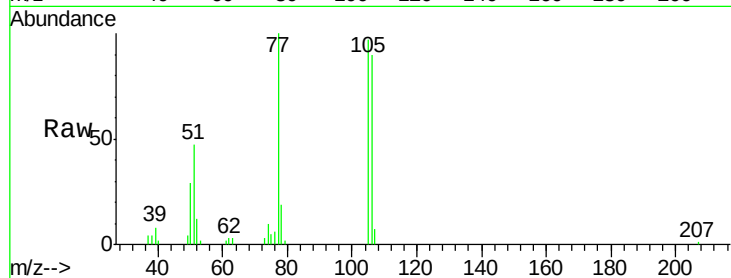
Tgt Ion: 77 Resp: 29184

Ion Ratio Lower Upper

77 100

105 97.4 78.8 118.8

106 90.4 73.7 113.7



#10

Phenol

Concen: 17.75 ng

RT: 6.69 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

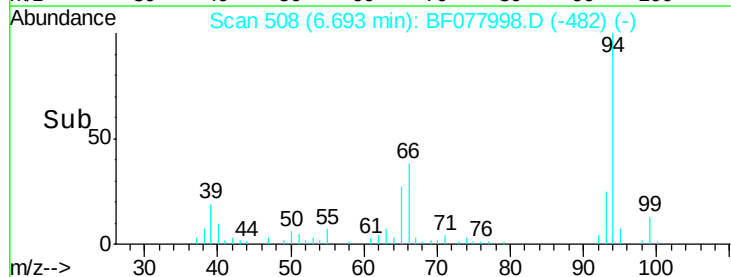
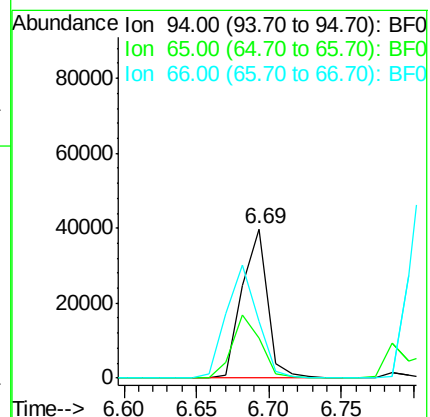
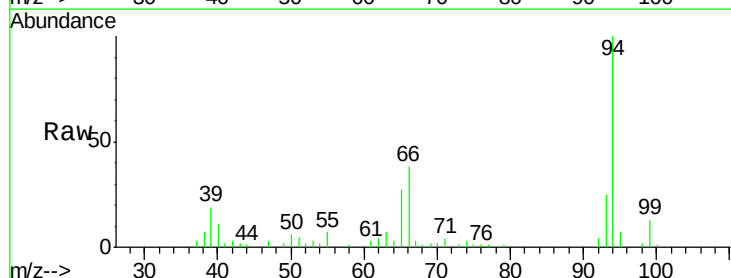
Tgt Ion: 94 Resp: 48451

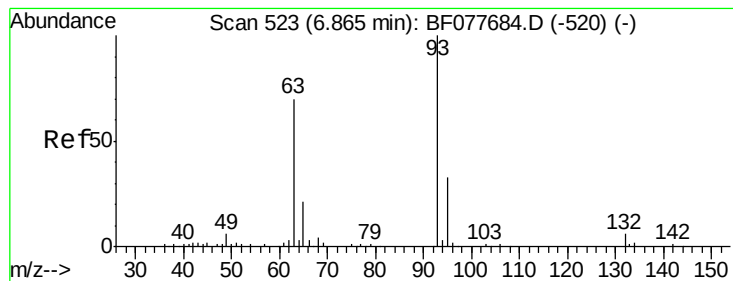
Ion Ratio Lower Upper

94 100

65 26.8 18.8 58.8

66 38.4 39.9 79.9#





#11

bis(2-Chloroethyl)ether

Concen: 18.05 ng

RT: 6.78 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

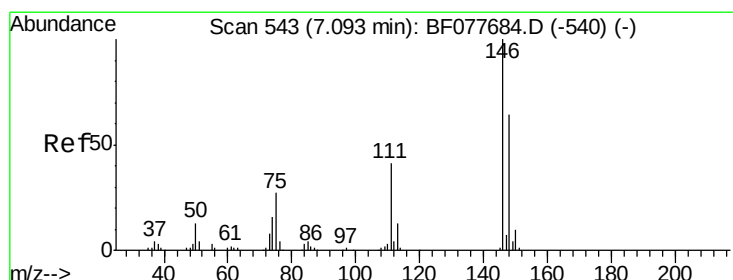
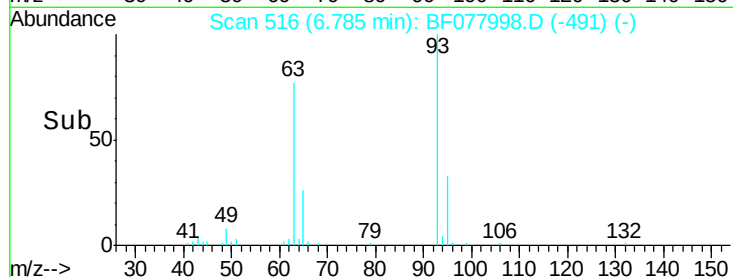
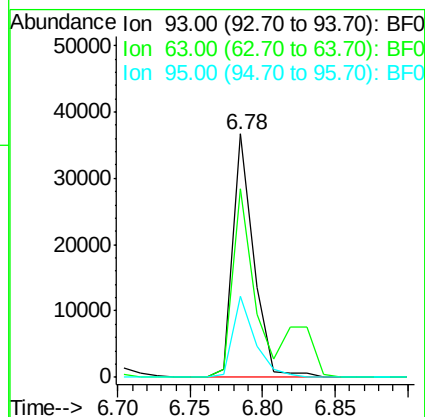
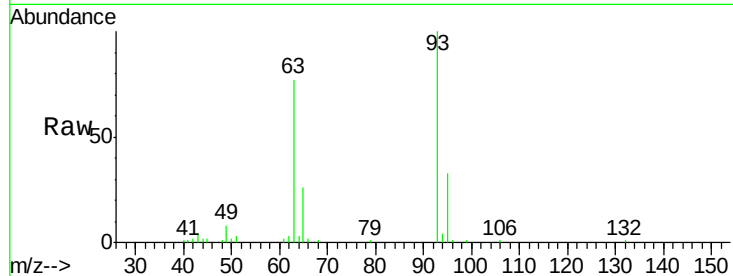
Tgt Ion: 93 Resp: 36901

Ion Ratio Lower Upper

93 100

63 77.2 49.5 89.5

95 33.3 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 17.02 ng

RT: 7.01 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

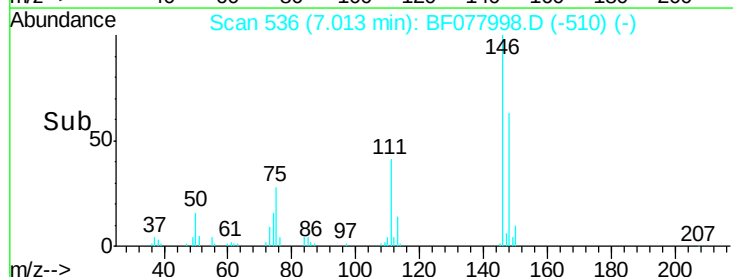
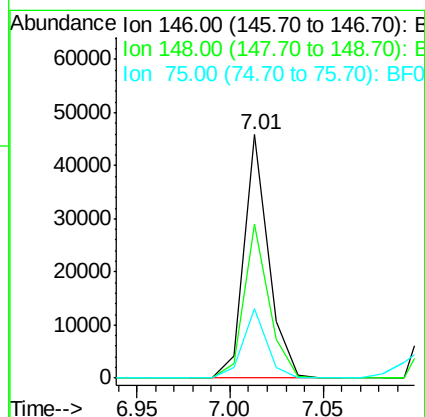
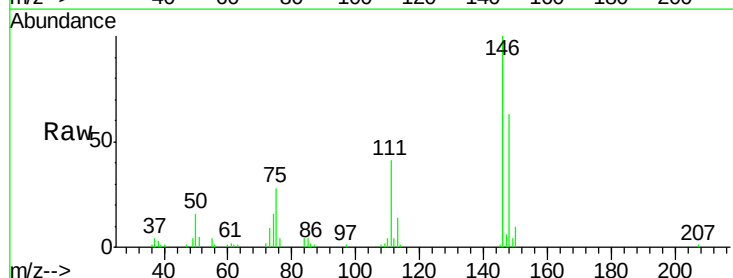
Tgt Ion: 146 Resp: 42114

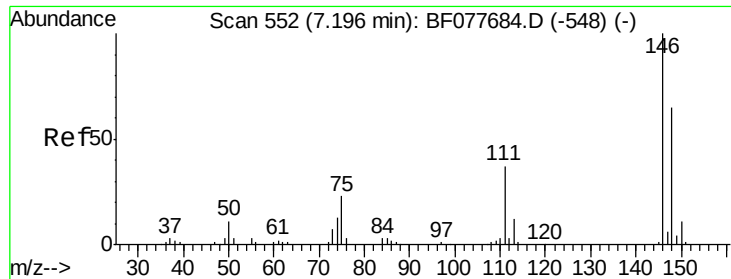
Ion Ratio Lower Upper

146 100

148 63.2 50.9 76.3

75 28.4 21.4 32.2

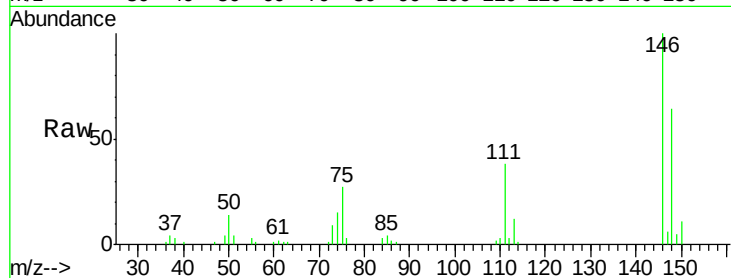




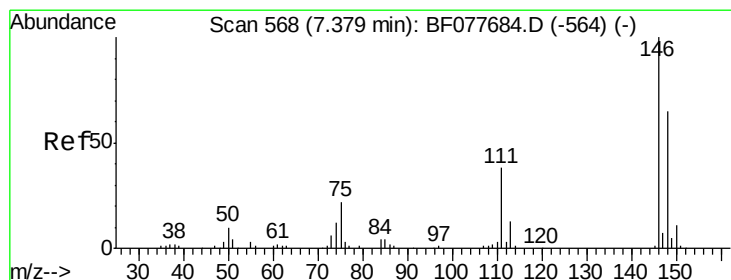
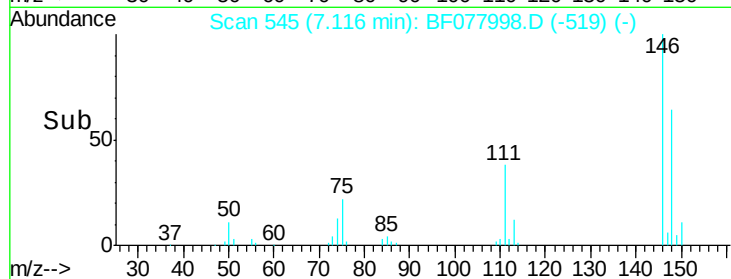
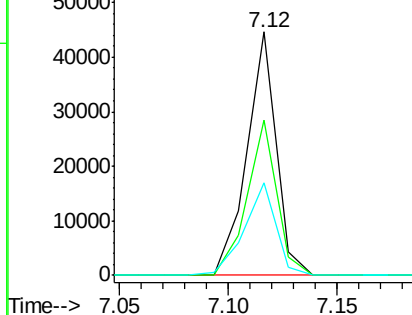
#13
 1,4-Dichlorobenzene
 Concen: 16.25 ng
 RT: 7.12 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:146 Resp: 41778
 Ion Ratio Lower Upper
 146 100
 148 63.6 51.9 77.9
 111 38.1 29.2 43.8

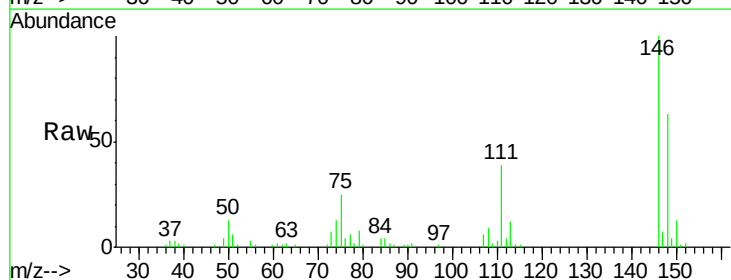


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

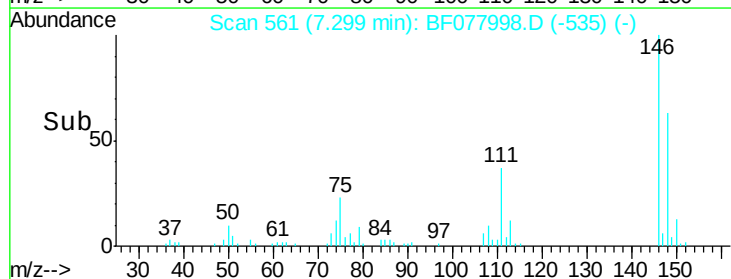
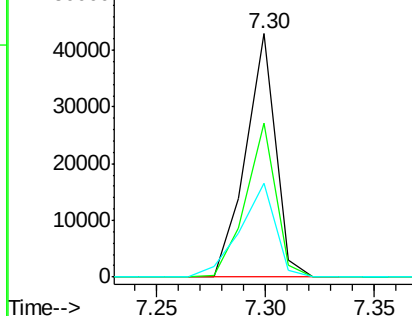


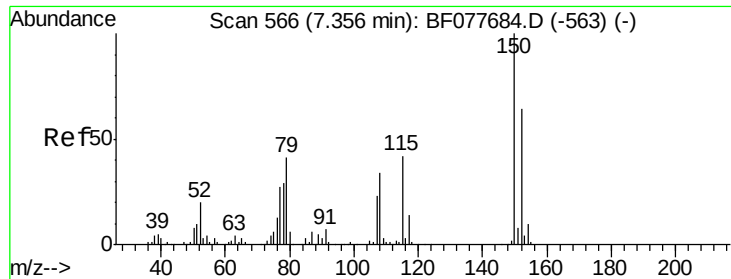
#14
 1,2-Dichlorobenzene
 Concen: 17.37 ng
 RT: 7.30 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Tgt Ion:146 Resp: 40938
 Ion Ratio Lower Upper
 146 100
 148 63.4 52.3 78.5
 111 38.5 30.6 45.8



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: 17.69 ng

RT: 7.29 min Scan# 560

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

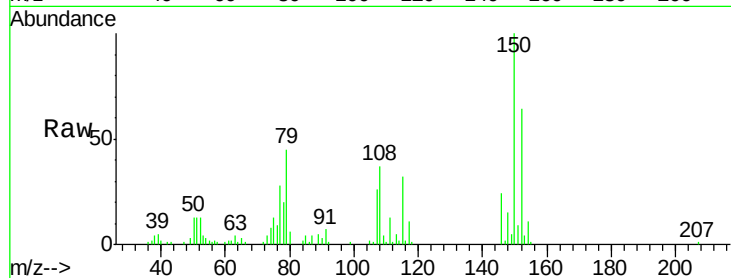
Tgt Ion: 79 Resp: 31872

Ion Ratio Lower Upper

79 100

108 84.0 65.0 97.4

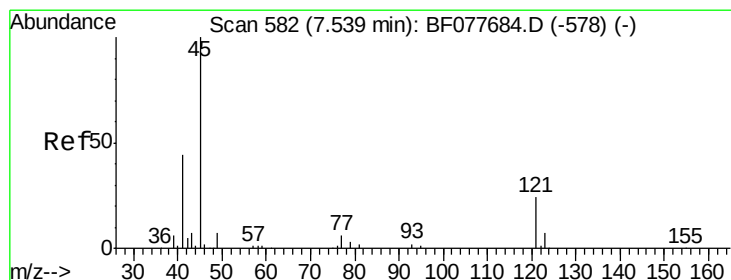
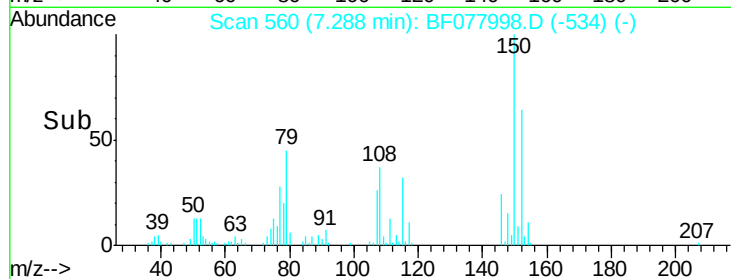
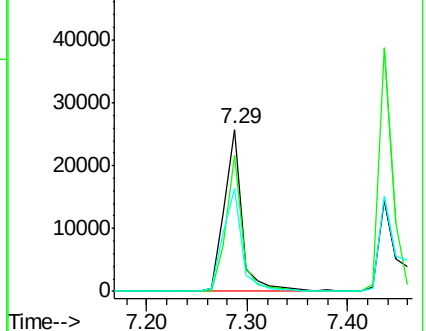
77 63.3 53.0 79.6



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-Chloropropane)

Concen: 16.93 ng

RT: 7.46 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

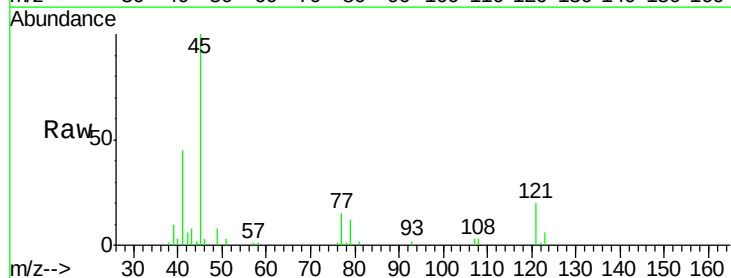
Tgt Ion: 45 Resp: 46645

Ion Ratio Lower Upper

45 100

77 14.8 0.0 35.2

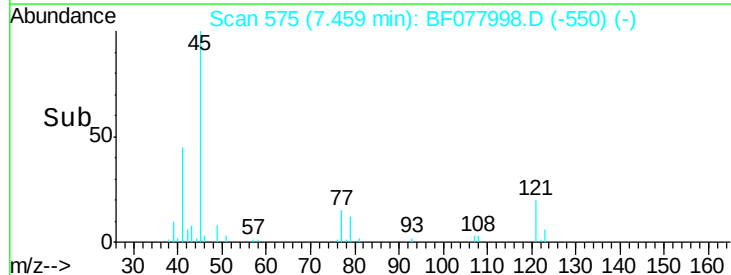
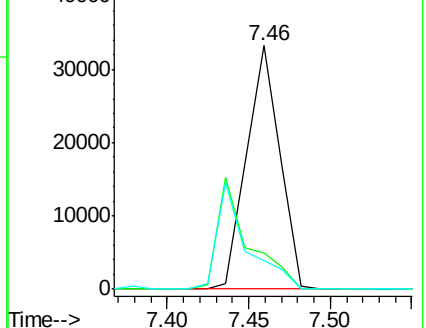
79 11.8 0.0 32.0

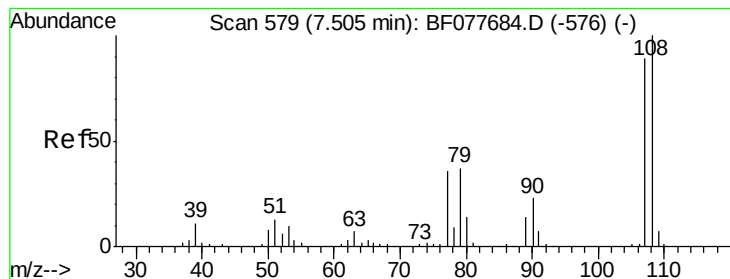


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 17.44 ng

RT: 7.44 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:107 Resp: 31574

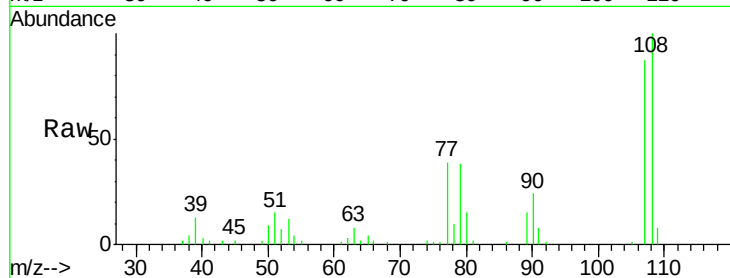
Ion Ratio Lower Upper

107 100

108 115.0 89.8 134.8

77 45.2 32.6 48.8

79 43.2 32.8 49.2

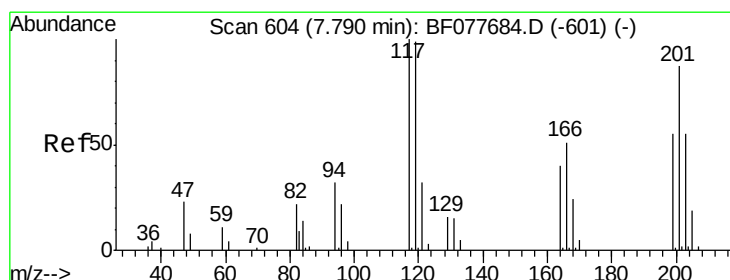
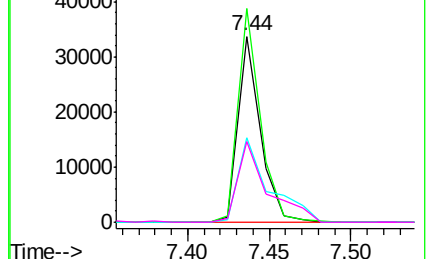
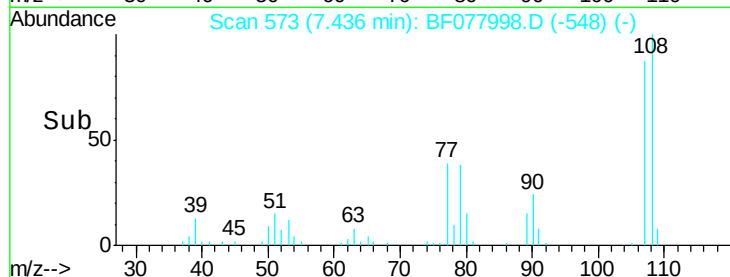


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 16.61 ng

RT: 7.71 min Scan# 597

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

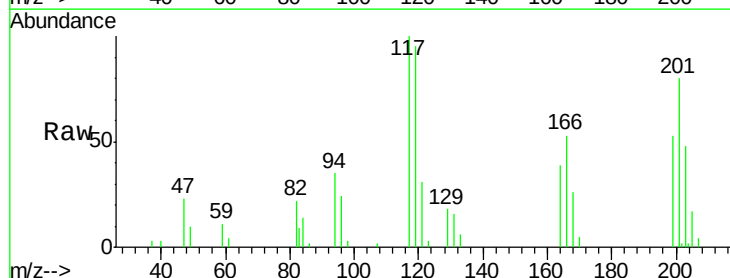
Tgt Ion:117 Resp: 14004

Ion Ratio Lower Upper

117 100

119 95.0 79.2 118.8

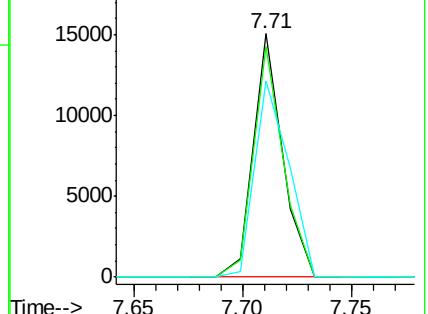
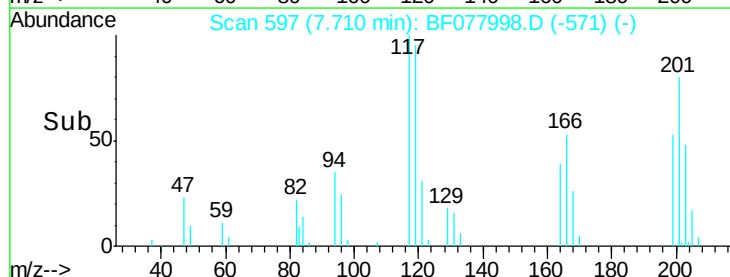
201 80.4 69.8 104.6

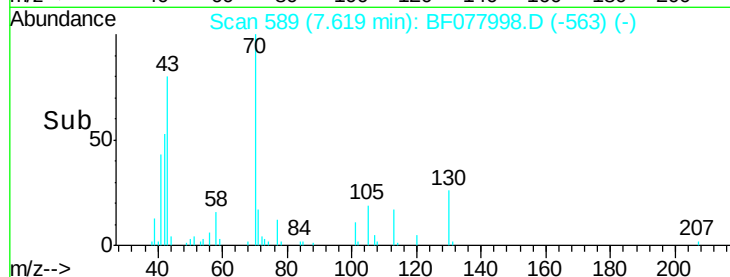
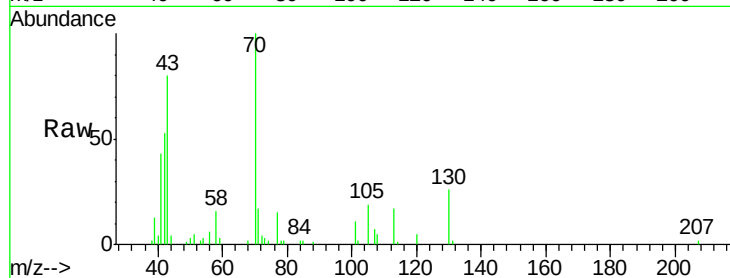
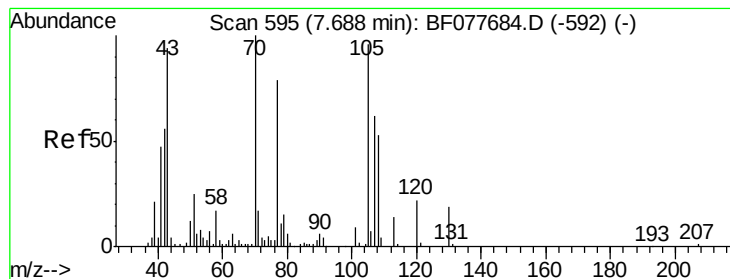


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 15.94 ng

RT: 7.62 min Scan# 589

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion: 70 Resp: 25452

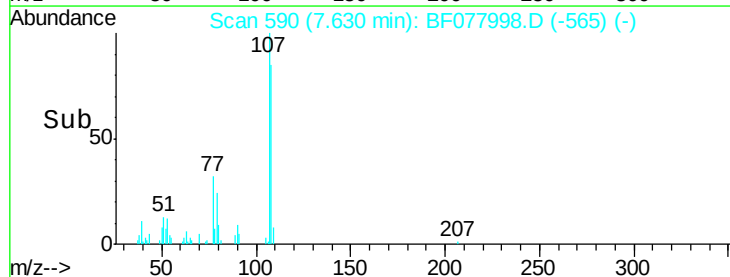
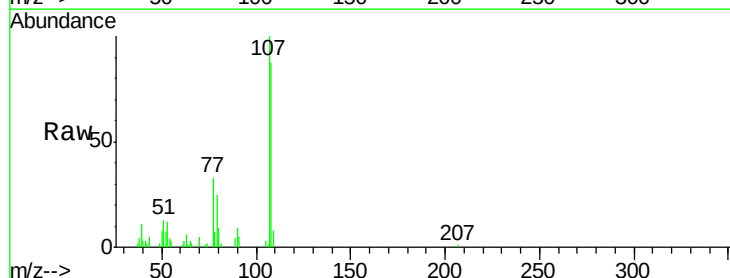
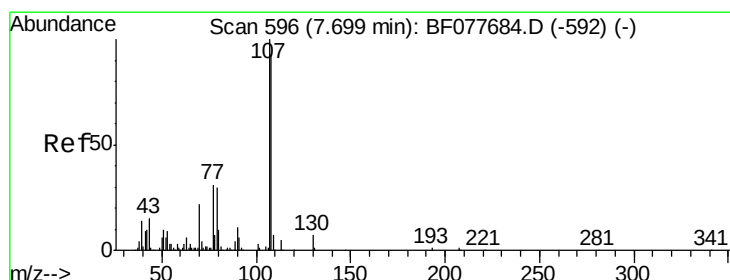
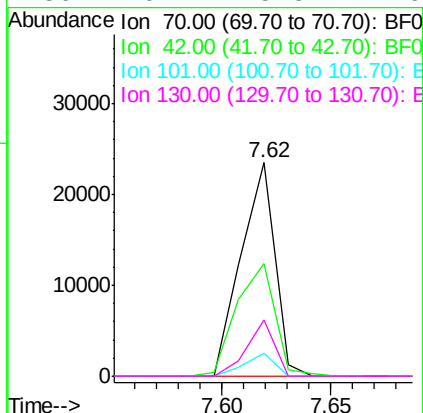
Ion Ratio Lower Upper

70 100

42 52.6 44.5 66.7

101 10.6 7.4 11.2

130 26.2 15.3 22.9#



#20

3+4-Methylphenols

Concen: 17.33 ng

RT: 7.63 min Scan# 590

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Tgt Ion:107 Resp: 41165

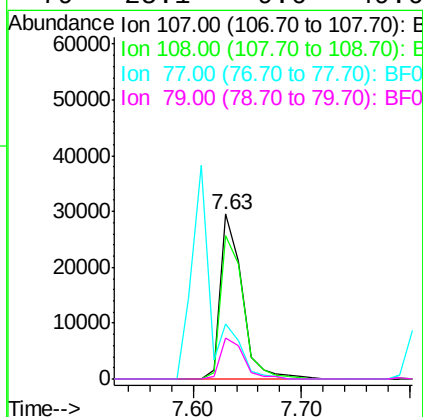
Ion Ratio Lower Upper

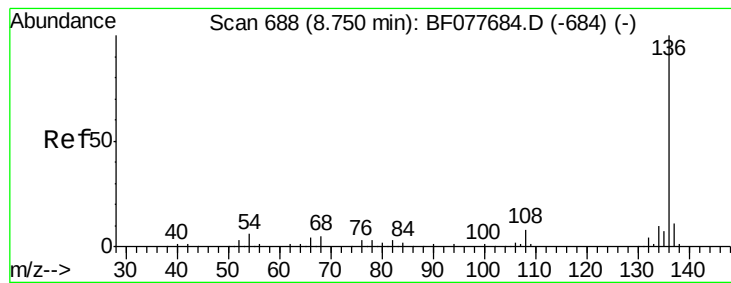
107 100

108 86.7 73.2 113.2

77 33.3 10.7 50.7

79 25.1 9.6 49.6





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.67 min Scan# 681

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:136 Resp: 135895

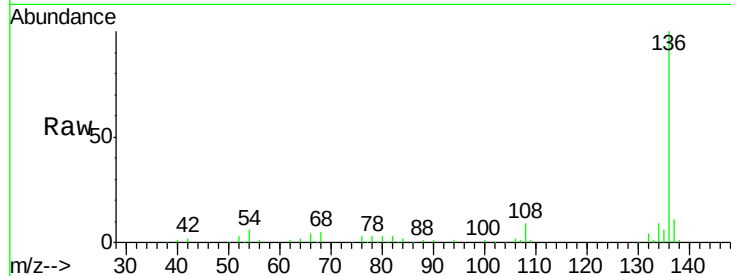
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.4 4.6 6.8

68 5.0 3.7 5.5

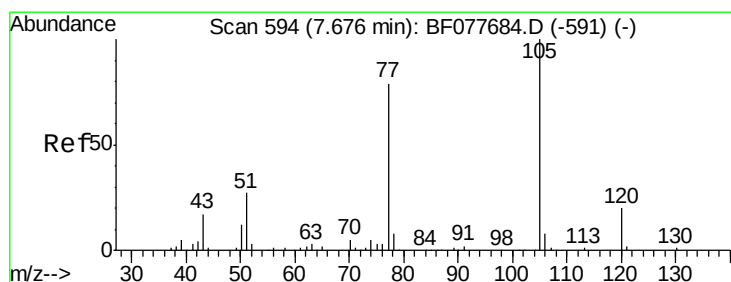
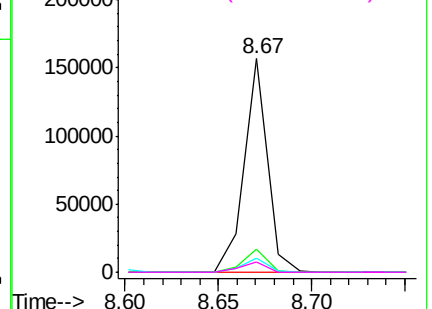
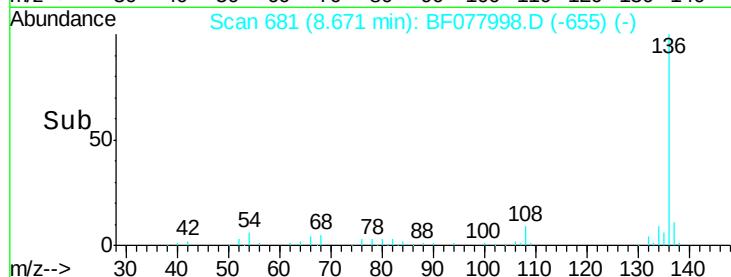


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 18.16 ng

RT: 7.61 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Tgt Ion:105 Resp: 54622

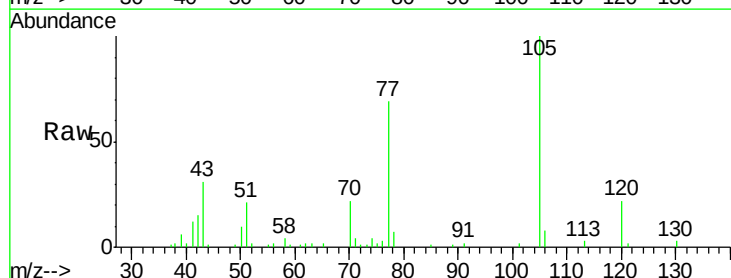
Ion Ratio Lower Upper

105 100

71 3.8 0.6 1.0#

51 21.5 21.6 32.4#

120 21.9 16.1 24.1

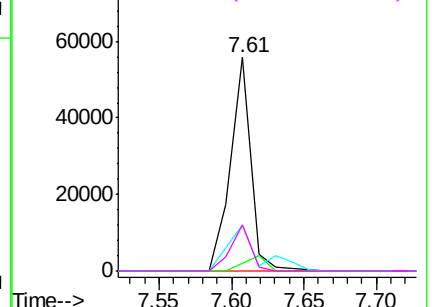
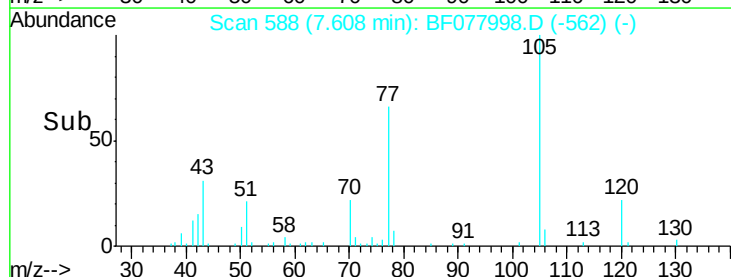


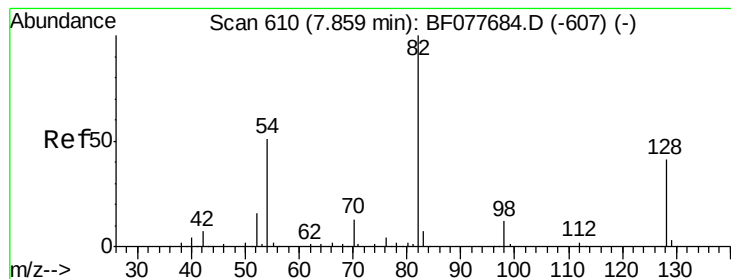
Abundance Ion 105.00 (104.70 to 105.70): E

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





#23

Nitrobenzene-d5

Concen: 90.03 ng

RT: 7.79 min Scan# 604

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

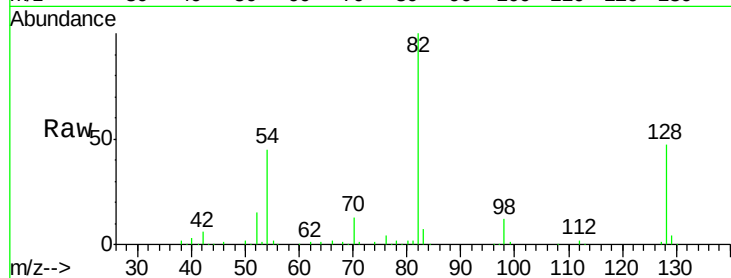
Tgt Ion: 82 Resp: 186636

Ion Ratio Lower Upper

82 100

128 47.4 32.8 49.2

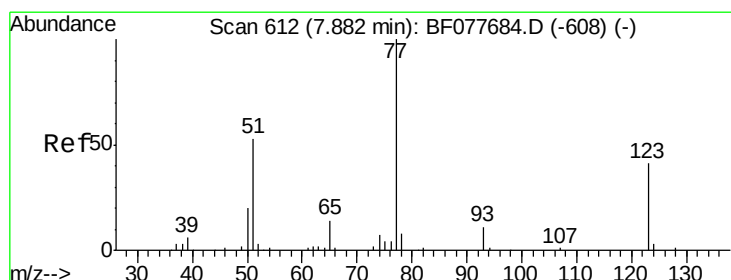
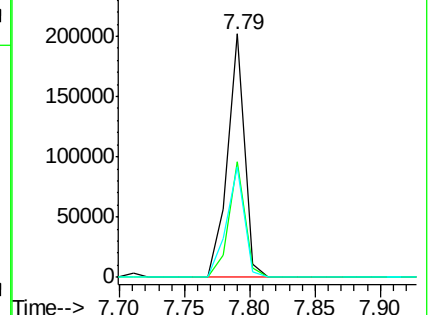
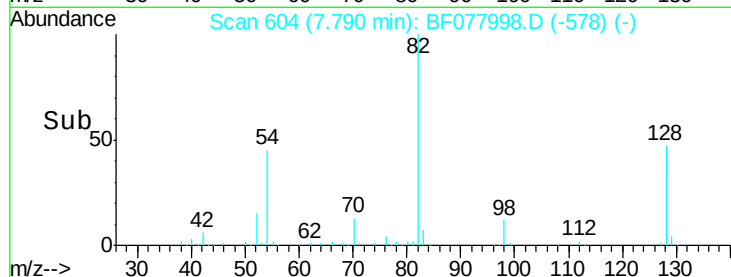
54 45.3 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 17.69 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

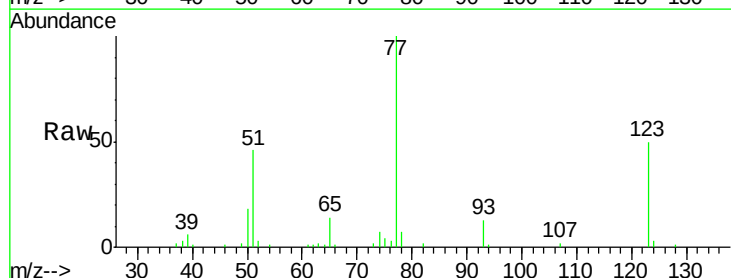
Tgt Ion: 77 Resp: 39513

Ion Ratio Lower Upper

77 100

123 49.8 32.6 49.0#

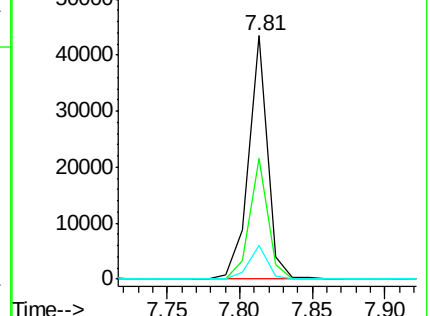
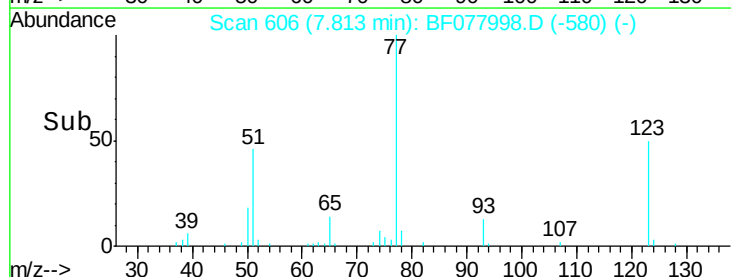
65 13.9 10.9 16.3

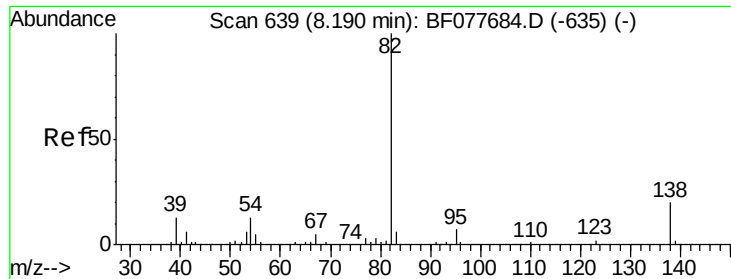


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 16.70 ng

RT: 8.11 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

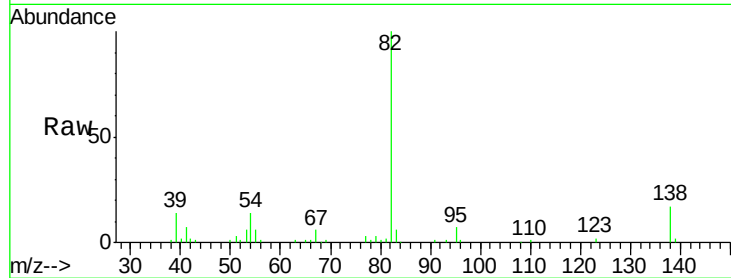
Tgt Ion: 82 Resp: 69910

Ion Ratio Lower Upper

82 100

95 6.5 5.8 8.6

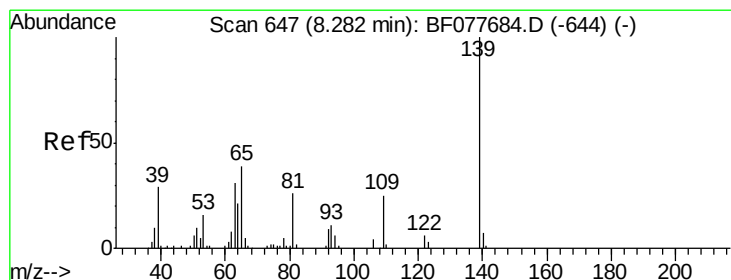
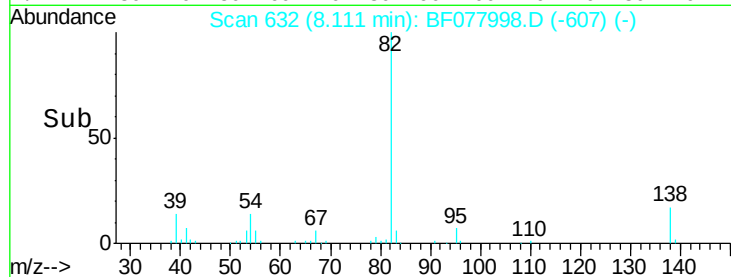
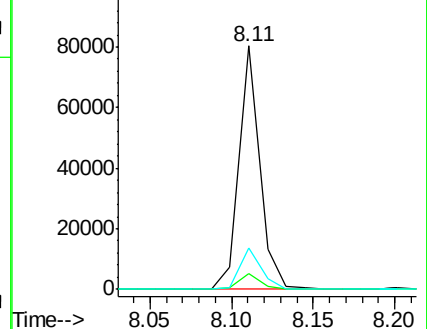
138 16.8 16.3 24.5



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 14.82 ng

RT: 8.20 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

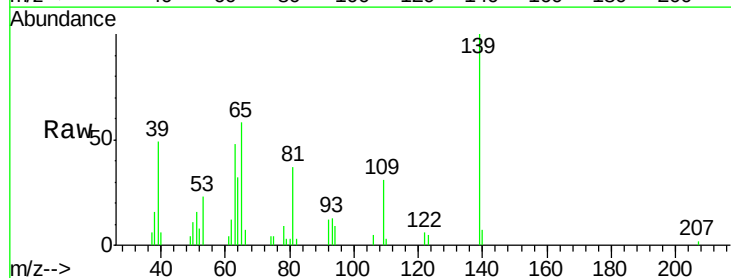
Tgt Ion: 139 Resp: 16203

Ion Ratio Lower Upper

139 100

109 31.4 20.1 30.1#

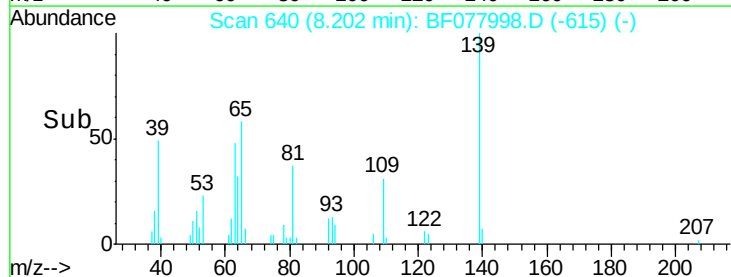
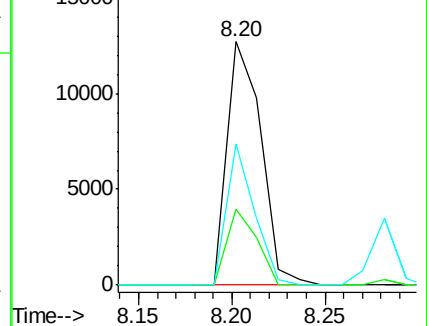
65 57.8 31.5 47.3#

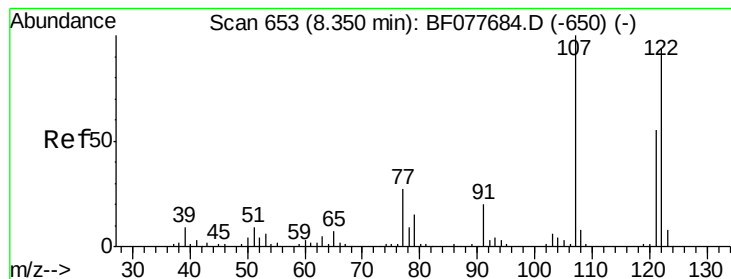


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 17.53 ng

RT: 8.28 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

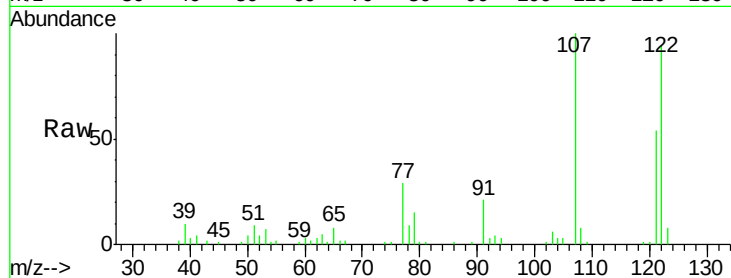
Tgt Ion:122 Resp: 34923

Ion Ratio Lower Upper

122 100

107 106.2 84.7 127.1

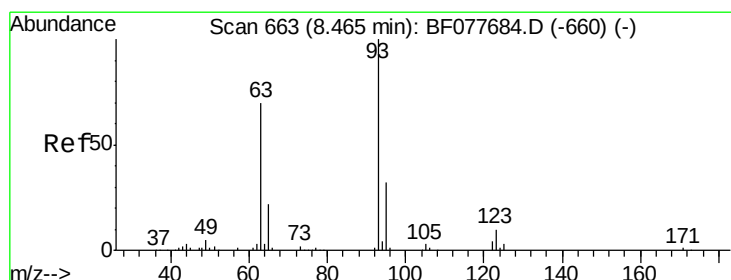
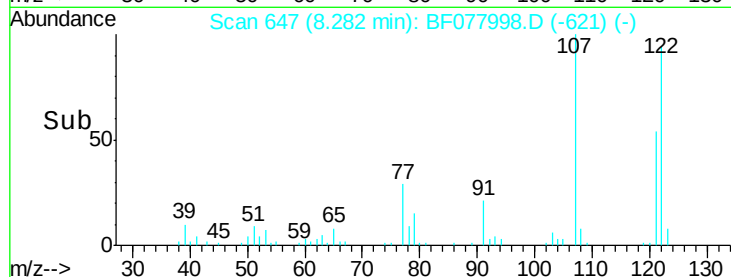
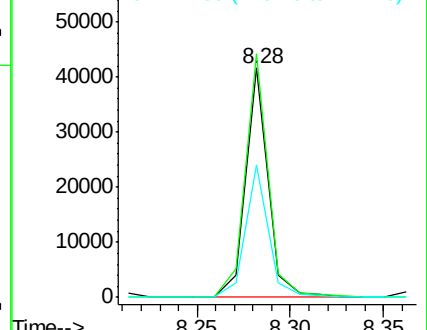
121 57.5 46.6 69.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 18.24 ng

RT: 8.40 min Scan# 657

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

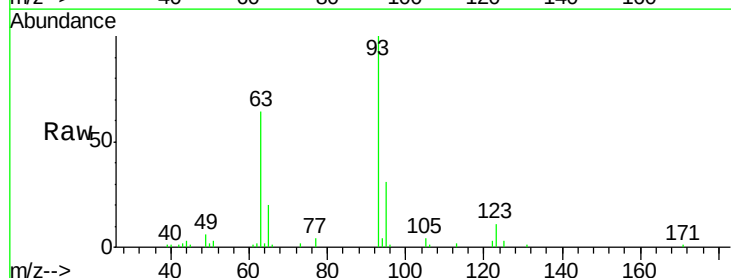
Tgt Ion: 93 Resp: 46348

Ion Ratio Lower Upper

93 100

95 30.6 25.5 38.3

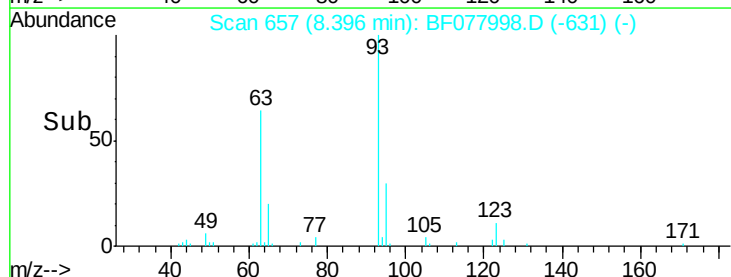
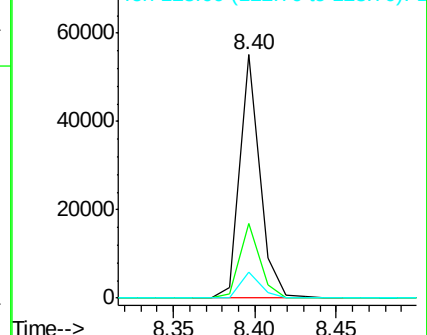
123 10.5 8.6 13.0

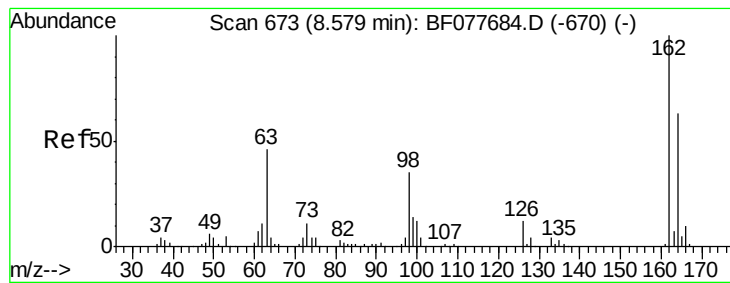


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

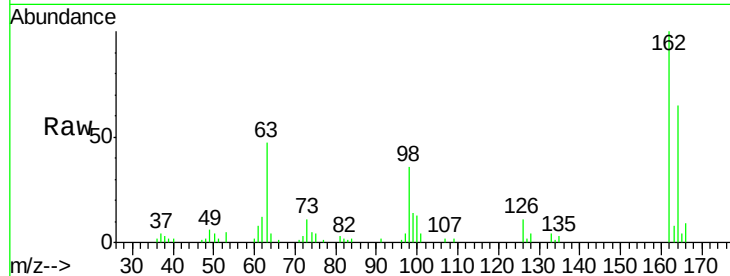




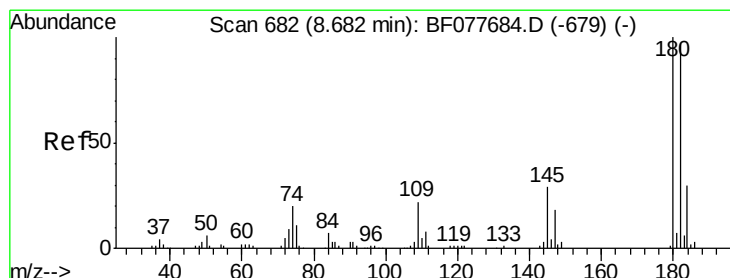
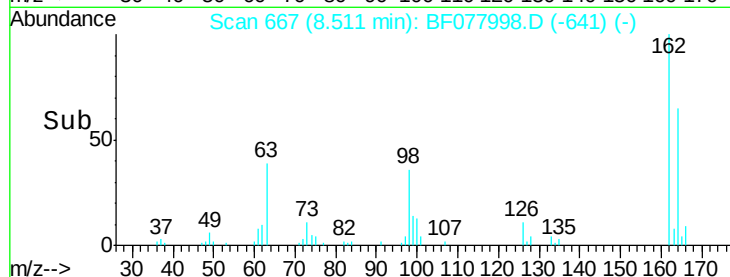
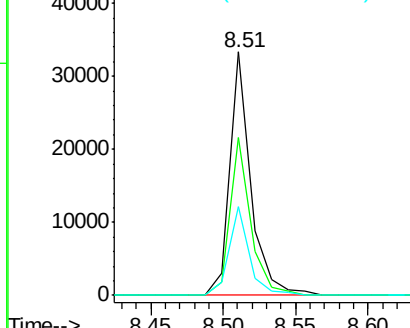
#29
2,4-Dichlorophenol
Concen: 17.55 ng
RT: 8.51 min Scan# 667
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:162 Resp: 33321
Ion Ratio Lower Upper
162 100
164 64.7 42.8 82.8
98 36.5 14.5 54.5

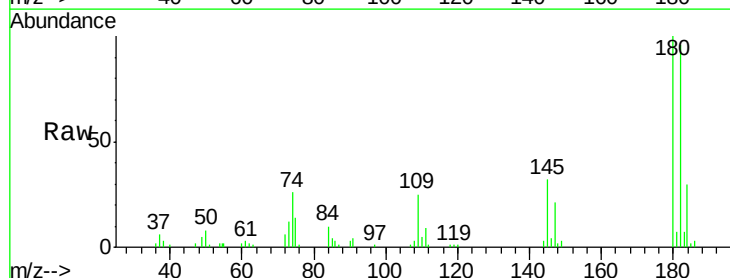


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

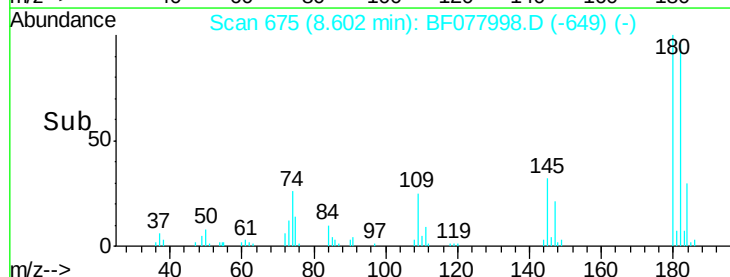
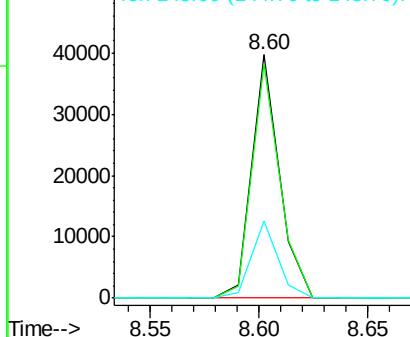


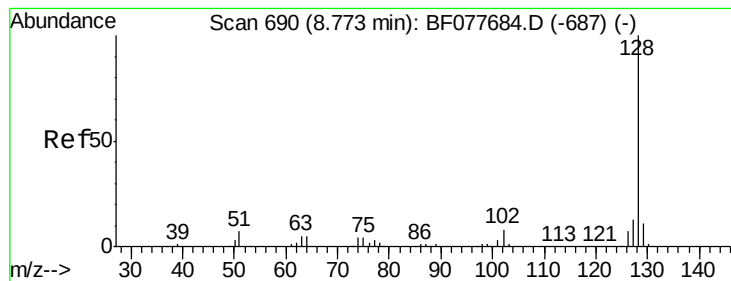
#30
1,2,4-Trichlorobenzene
Concen: 16.52 ng
RT: 8.60 min Scan# 675
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion:180 Resp: 35093
Ion Ratio Lower Upper
180 100
182 96.1 77.6 116.4
145 31.5 23.4 35.2



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





#31

Naphthalene

Concen: 16.78 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

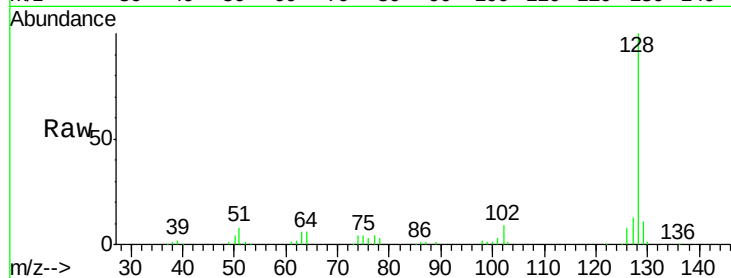
Tgt Ion:128 Resp: 117092

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

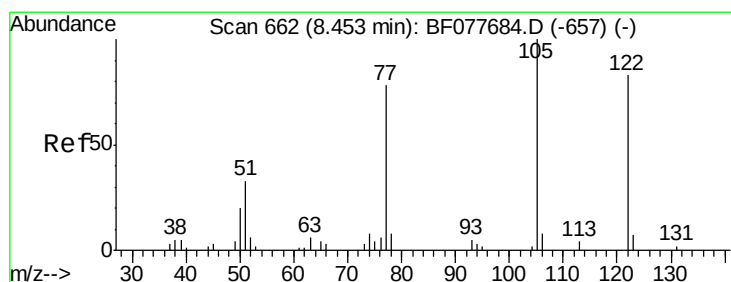
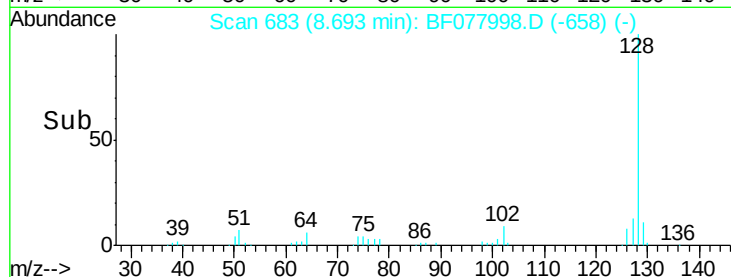
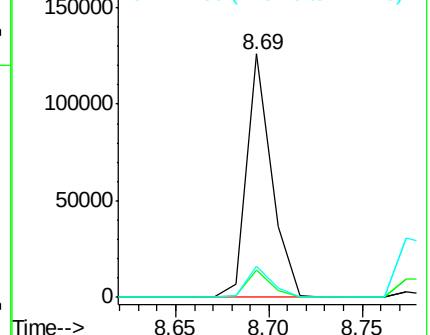
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 9.15 ng

RT: 8.38 min Scan# 656

Delta R.T. -0.02 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

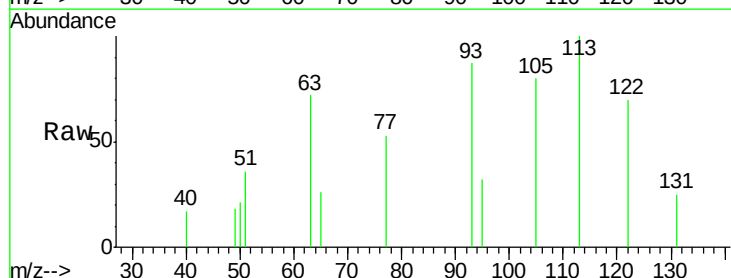
Tgt Ion:122 Resp: 7192

Ion Ratio Lower Upper

122 100

105 114.0 99.9 139.9

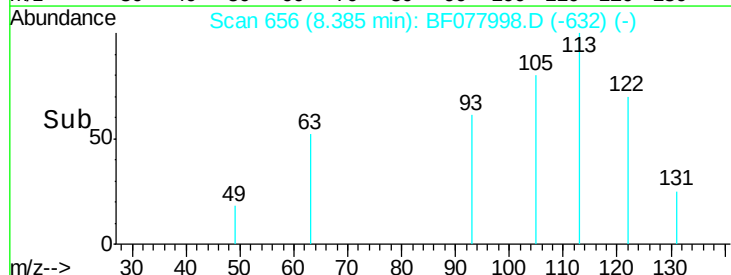
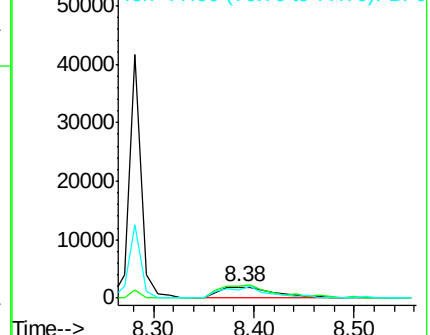
77 75.2 73.7 113.7

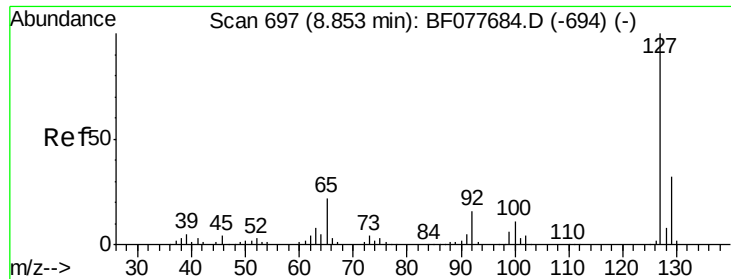


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

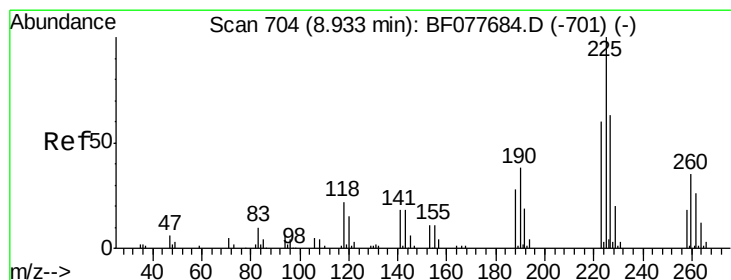
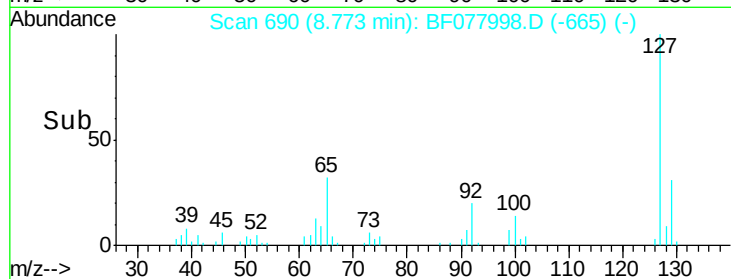
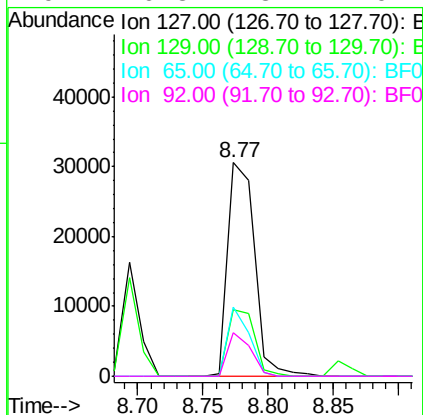
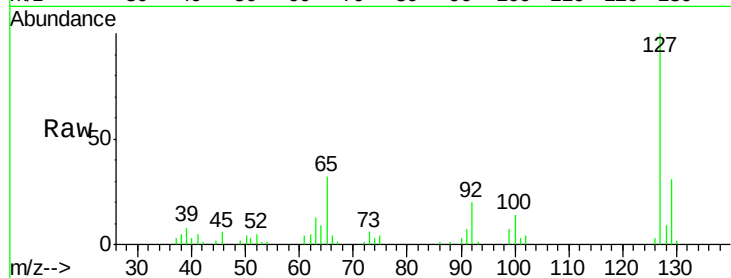




#33
4-Chloroaniline
Concen: 15.43 ng
RT: 8.77 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

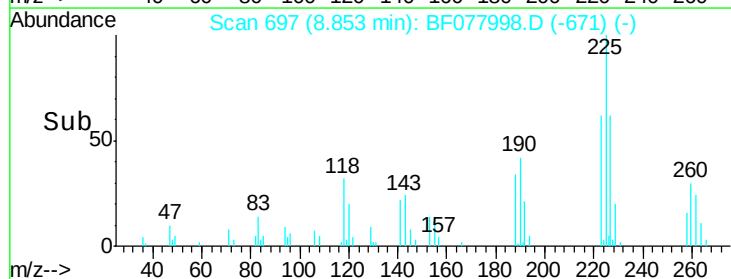
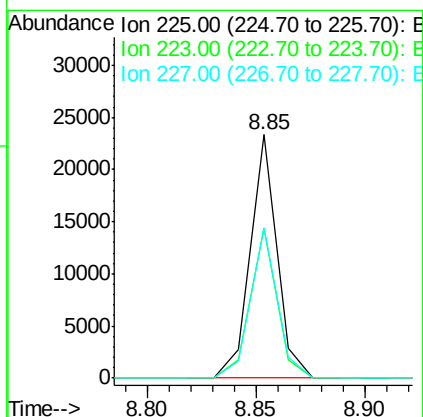
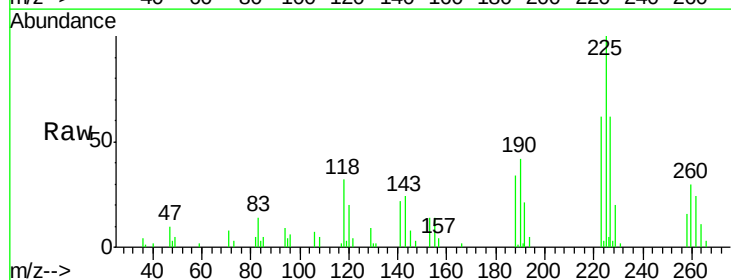
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

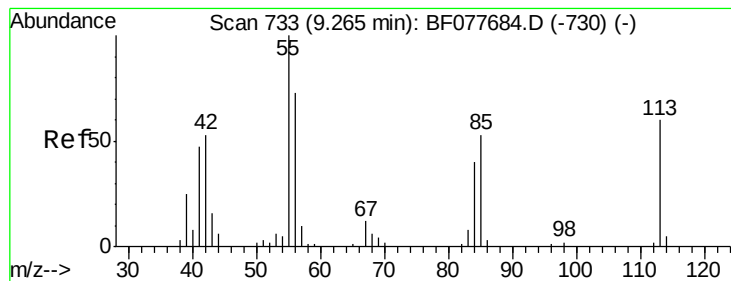
Tgt Ion:	127	Resp:	43708
Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.3	37.9
65	32.2	17.6	26.4
92	20.3	13.1	19.7



#34
Hexachlorobutadiene
Concen: 16.47 ng
RT: 8.85 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion:	225	Resp:	19836
Ion	Ratio	Lower	Upper
225	100		
223	61.7	47.9	71.9
227	61.9	50.1	75.1





#35

Caprolactam

Concen: 17.00 ng

RT: 9.18 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

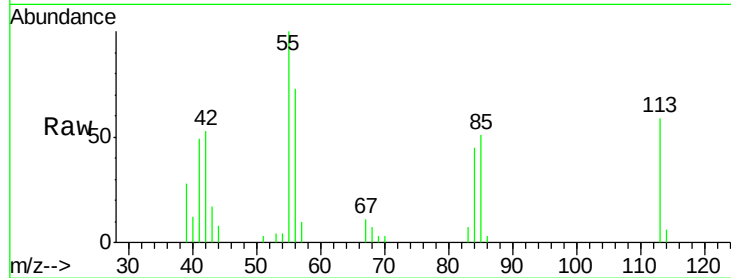
Tgt Ion:113 Resp: 9434

Ion Ratio Lower Upper

113 100

55 169.0 145.9 185.9

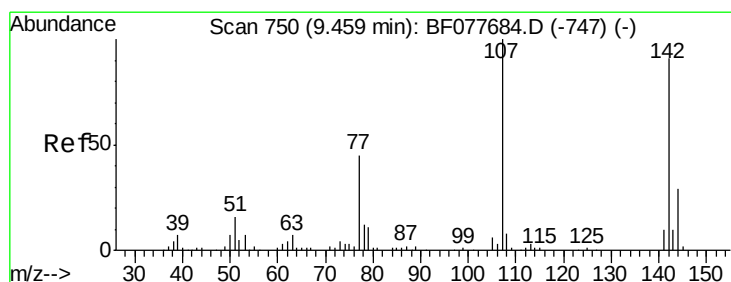
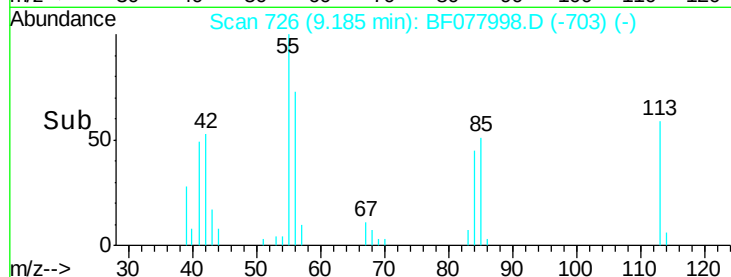
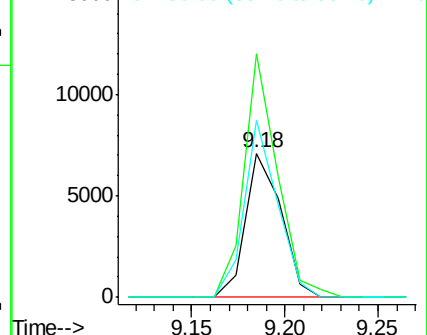
56 123.2 101.0 141.0



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: 17.94 ng

RT: 9.39 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

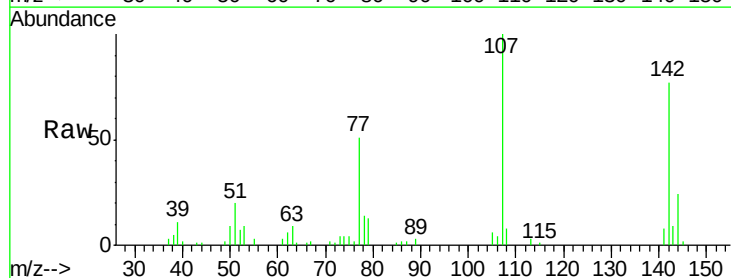
Tgt Ion:107 Resp: 34271

Ion Ratio Lower Upper

107 100

144 24.2 23.3 34.9

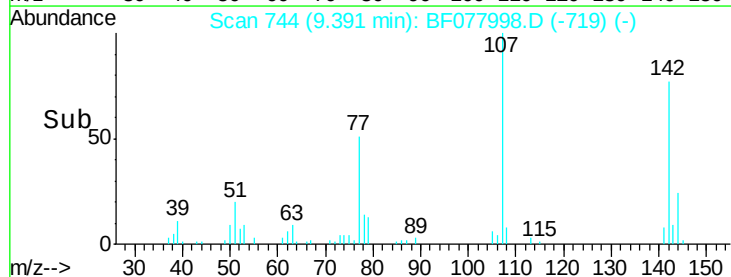
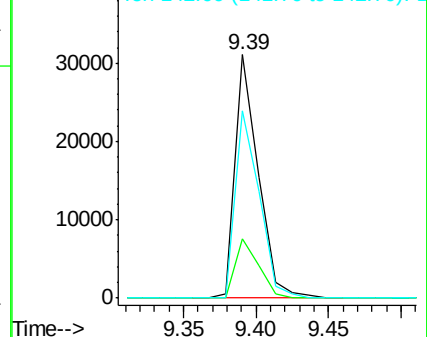
142 76.8 72.6 109.0

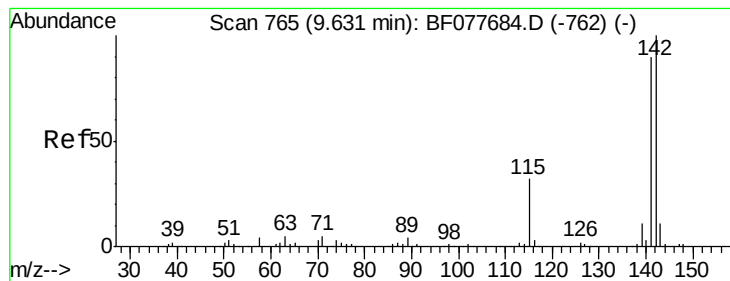


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 16.81 ng

RT: 9.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

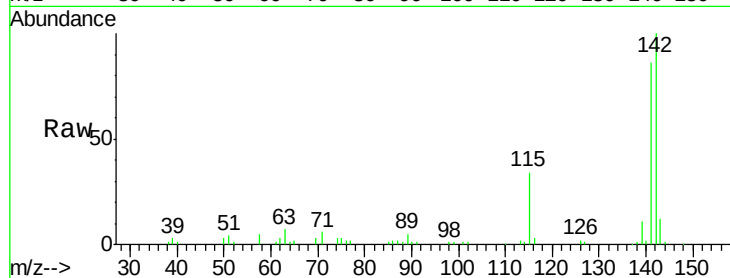
Tgt Ion:142 Resp: 78799

Ion Ratio Lower Upper

142 100

141 86.4 71.9 107.9

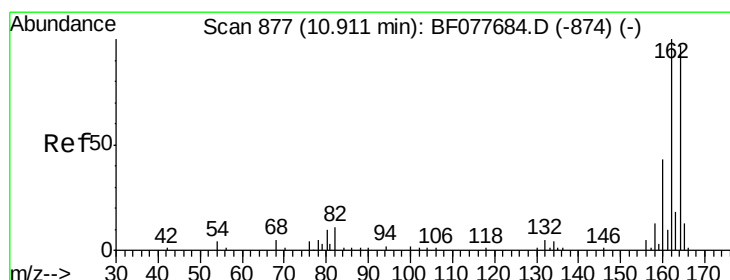
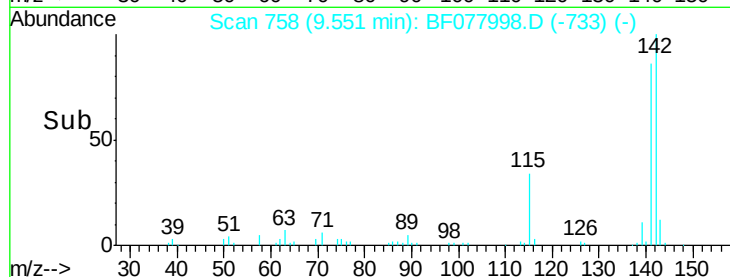
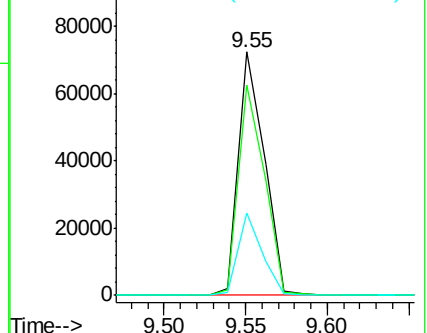
115 33.7 25.4 38.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.84 min Scan# 871

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

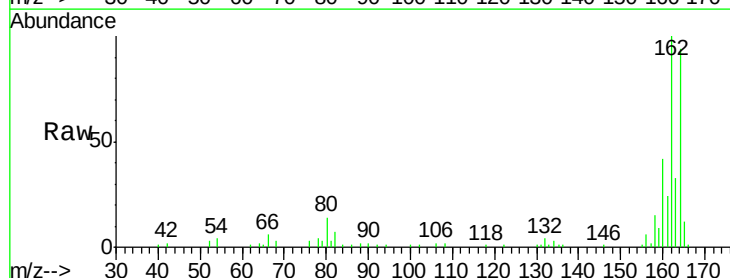
Tgt Ion:164 Resp: 67212

Ion Ratio Lower Upper

164 100

162 106.7 82.4 123.6

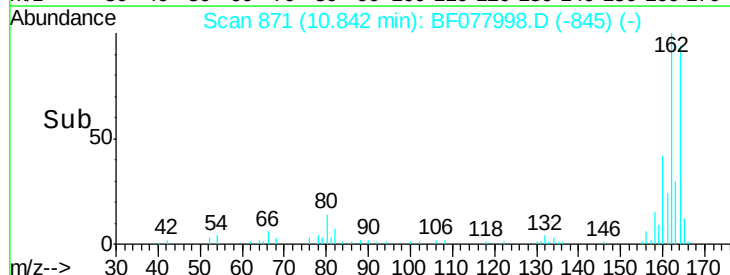
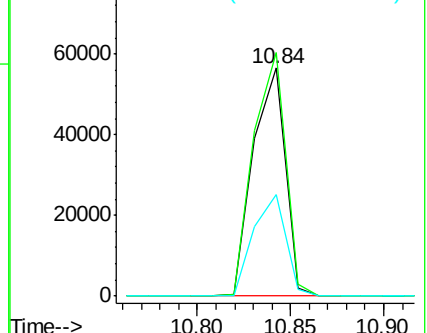
160 44.4 35.8 53.6

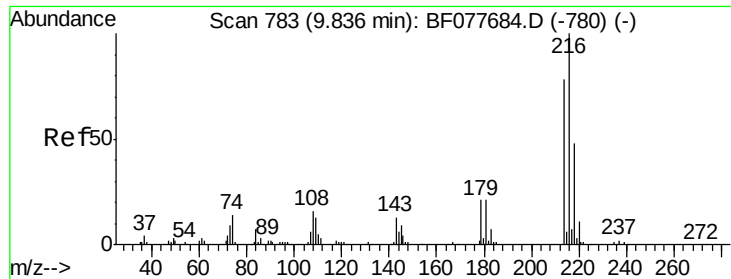


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 16.68 ng

RT: 9.76 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:216 Resp: 33448

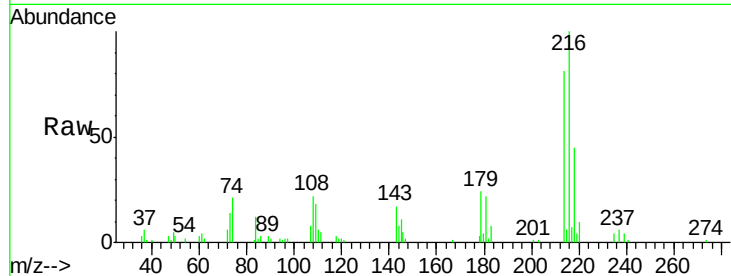
Ion Ratio Lower Upper

216 100

214 78.8 0.0 0.0#

179 22.5 0.0 0.0#

108 19.2 0.0 0.0#

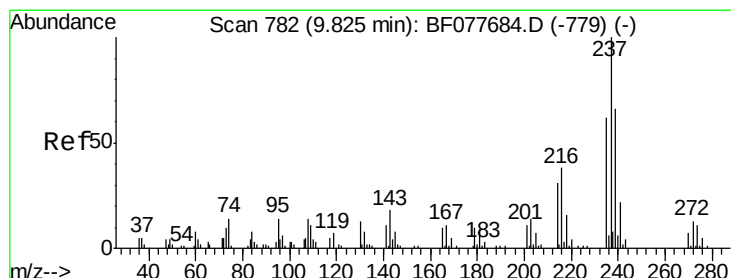
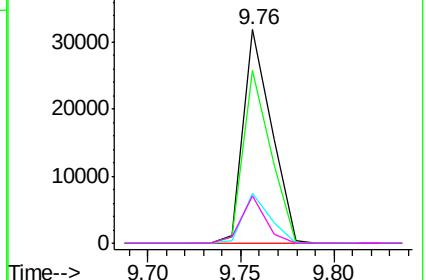
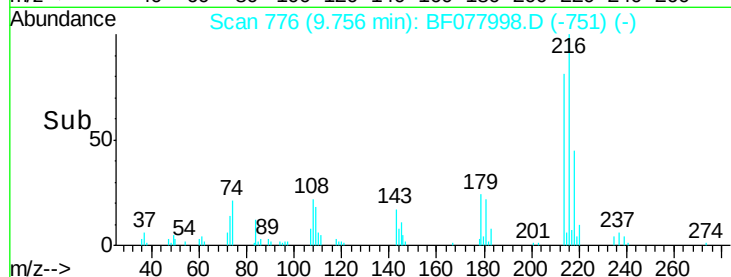


Abundance Ion 216.00 (215.70 to 216.70): E

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: 13.00 ng

RT: 9.74 min Scan# 775

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

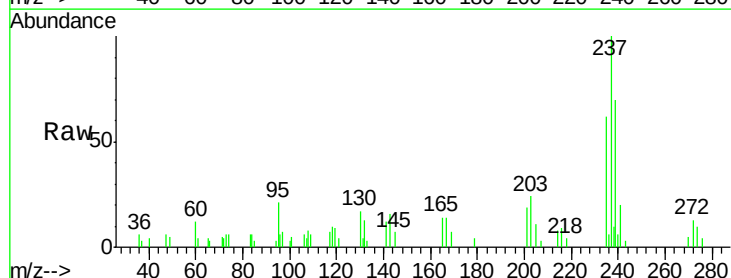
Tgt Ion:237 Resp: 10271

Ion Ratio Lower Upper

237 100

235 61.7 42.0 82.0

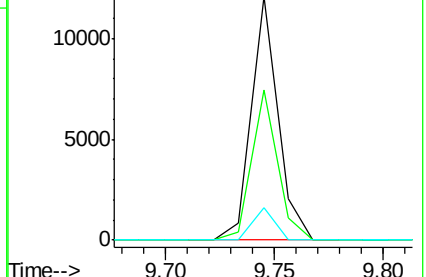
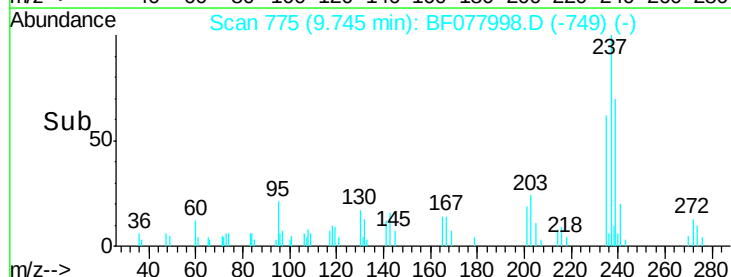
272 13.2 0.0 33.4

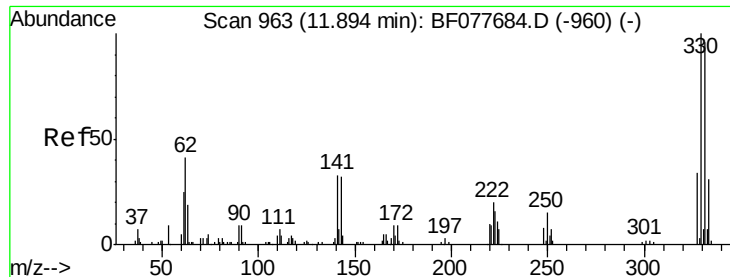


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

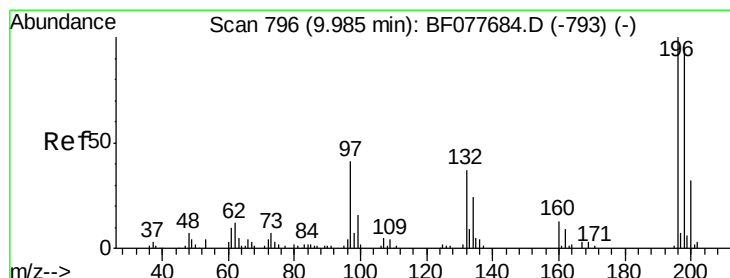
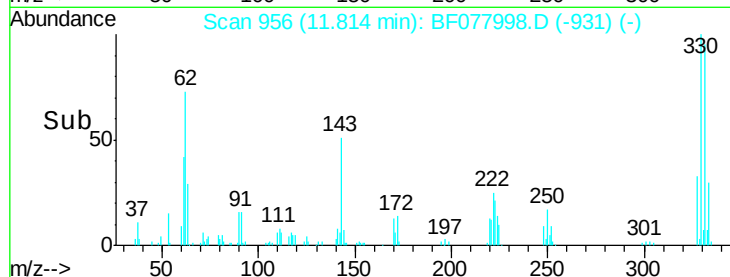
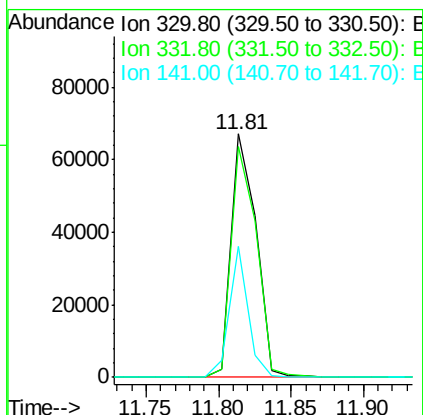
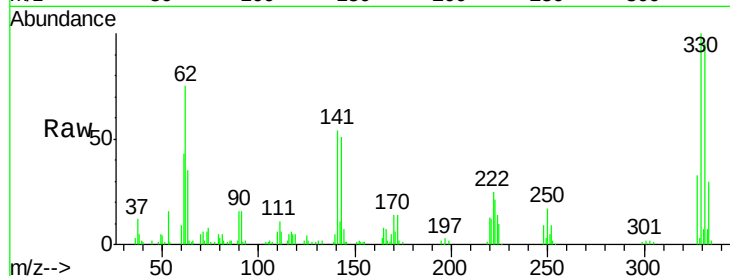




#41
 2,4,6-Tribromophenol
 Concen: 124.73 ng
 RT: 11.81 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

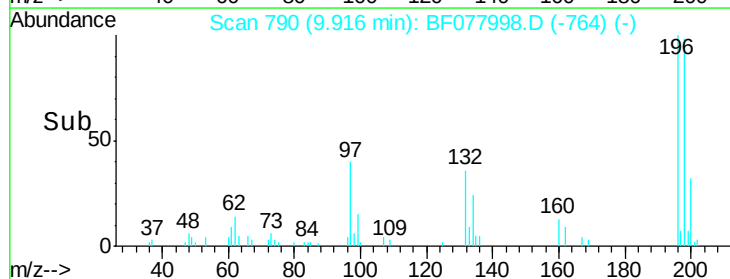
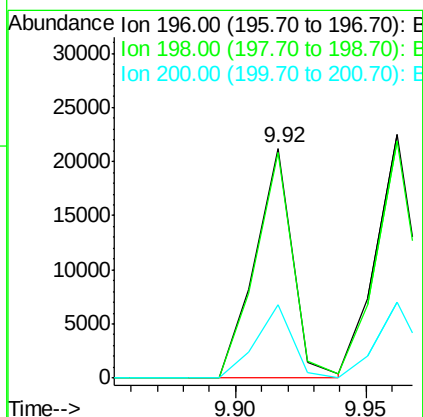
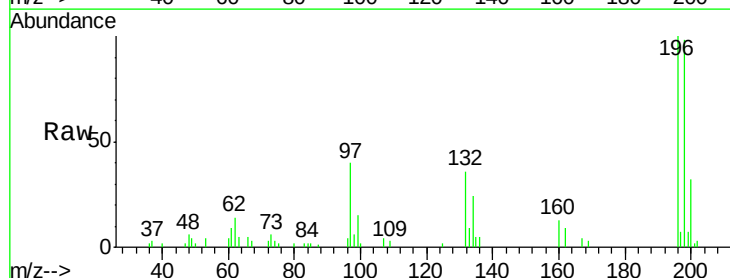
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

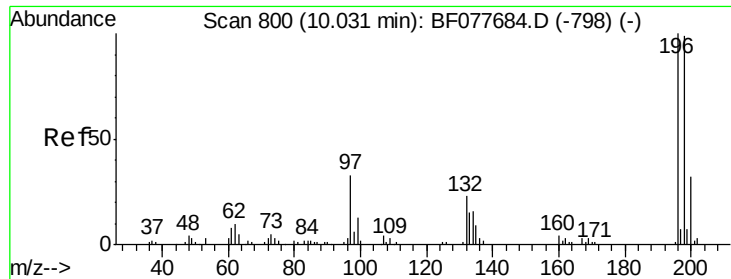
Tgt Ion:330 Resp: 80209
 Ion Ratio Lower Upper
 330 100
 332 95.9 0.0 0.0#
 141 40.5 0.0 0.0#



#42
 2,4,6-Trichlorophenol
 Concen: 15.49 ng
 RT: 9.92 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Tgt Ion:196 Resp: 21512
 Ion Ratio Lower Upper
 196 100
 198 98.1 76.3 114.5
 200 32.1 25.6 38.4

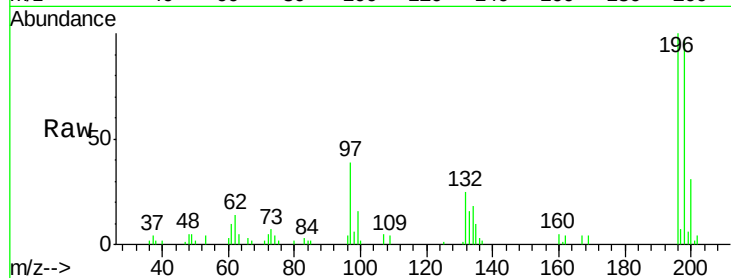




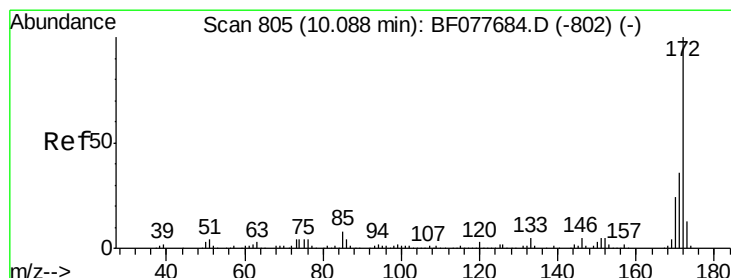
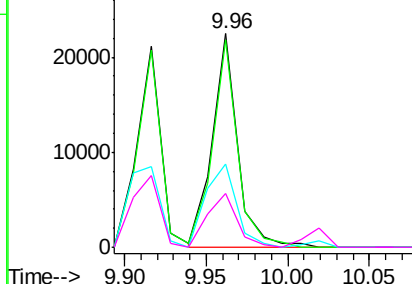
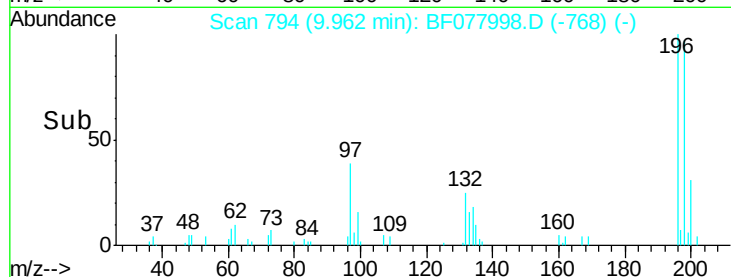
#43
2,4,5-Trichlorophenol
Concen: 16.25 ng
RT: 9.96 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:196 Resp: 24376
Ion Ratio Lower Upper
196 100
198 97.3 79.4 119.0
97 39.2 26.8 40.2
132 25.0 18.6 28.0

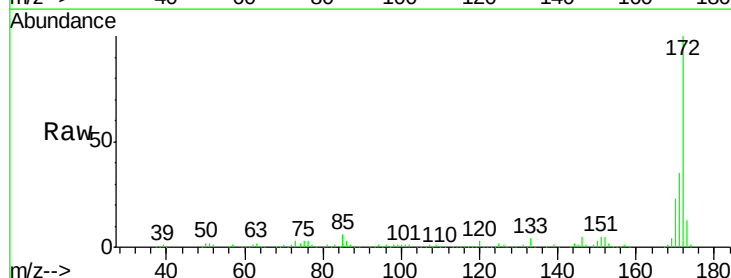


Abundance Ion 196.00 (195.70 to 196.70): E
Ion 198.00 (197.70 to 198.70): E
Ion 97.00 (96.70 to 97.70): BF0
Ion 132.00 (131.70 to 132.70): E

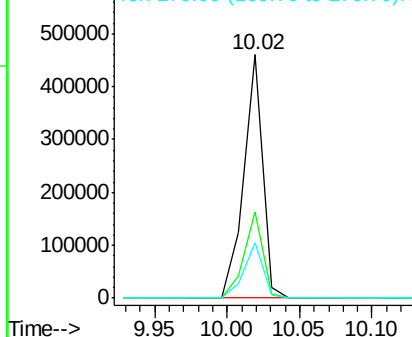
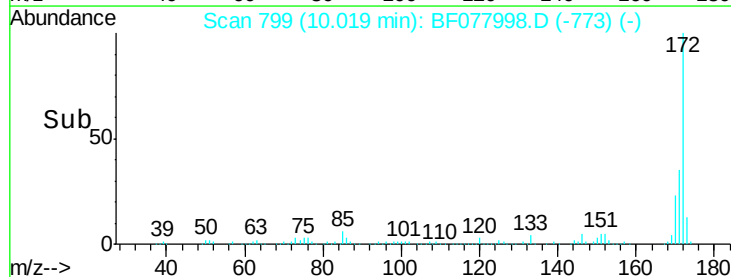


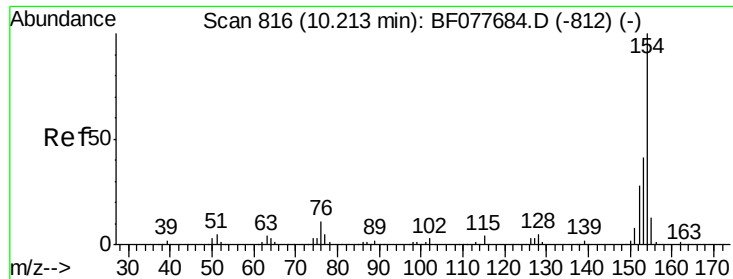
#44
2-Fluorobiphenyl
Concen: 90.89 ng
RT: 10.02 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion:172 Resp: 415683
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 23.0 18.8 28.2



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

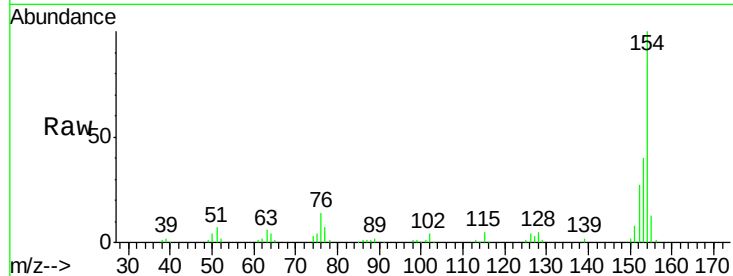




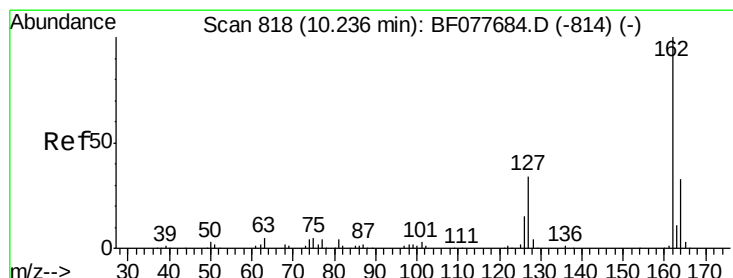
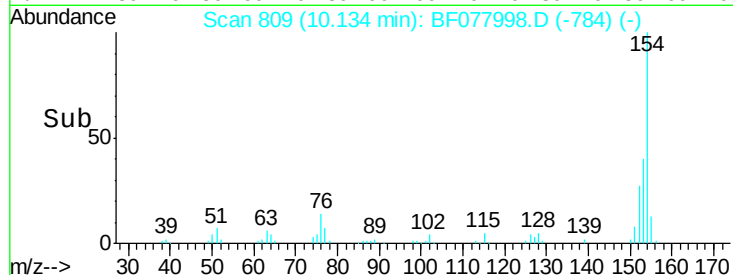
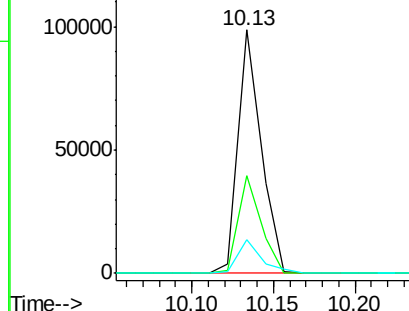
#45
 1,1'-Biphenyl
 Concen: 17.88 ng
 RT: 10.13 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:154 Resp: 96058
 Ion Ratio Lower Upper
 154 100
 153 40.1 20.7 60.7
 76 14.1 0.0 30.9

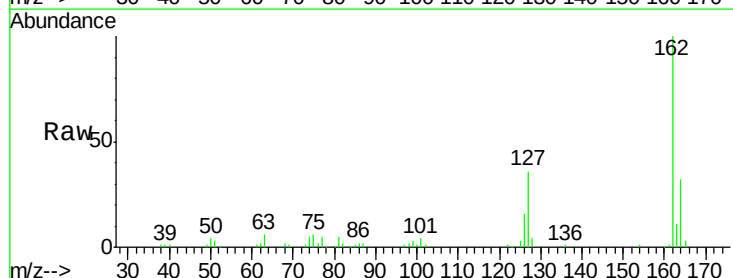


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

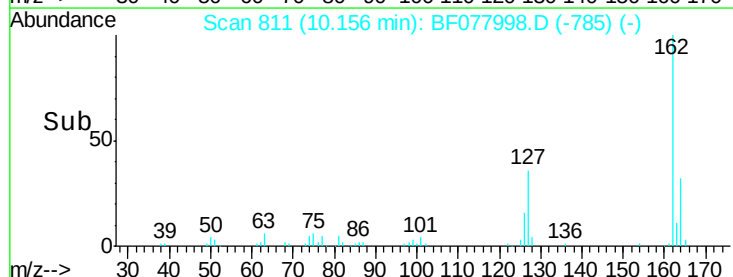
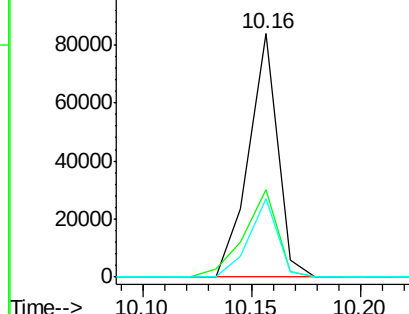


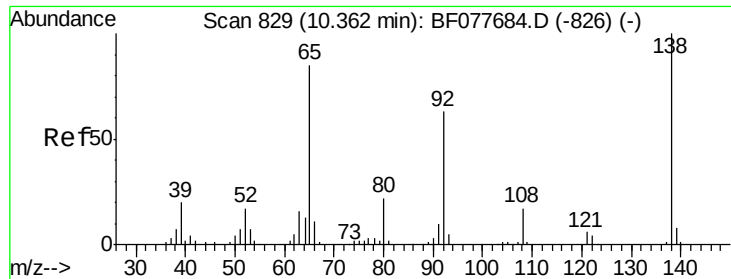
#46
 2-Chloronaphthalene
 Concen: 17.75 ng
 RT: 10.16 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Tgt Ion:162 Resp: 77520
 Ion Ratio Lower Upper
 162 100
 127 35.8 26.9 40.3
 164 32.2 26.8 40.2



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

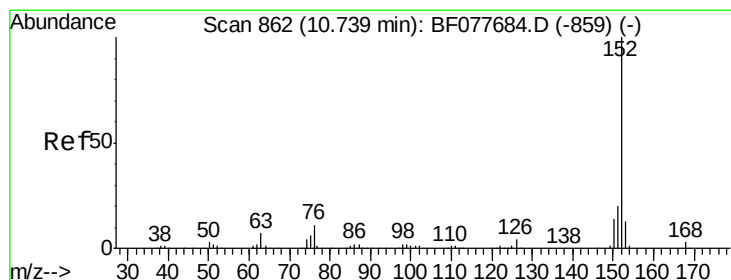
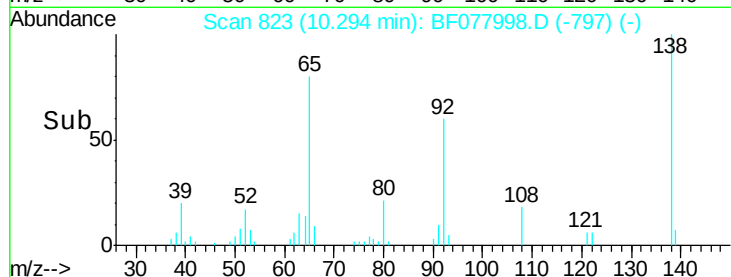
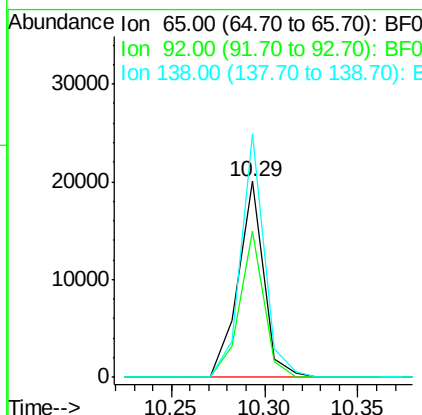
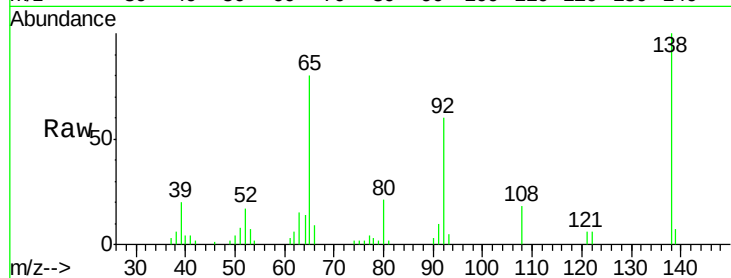




#47
 2-Nitroaniline
 Concen: 17.79 ng
 RT: 10.29 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

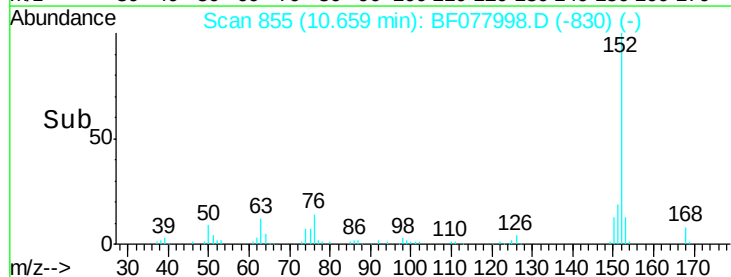
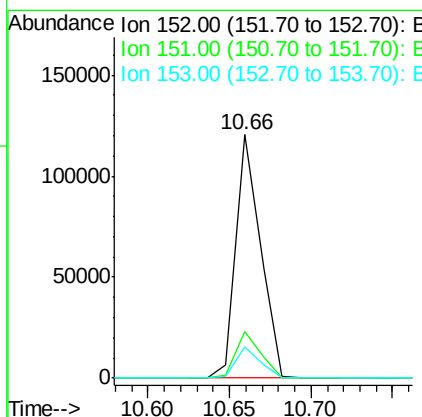
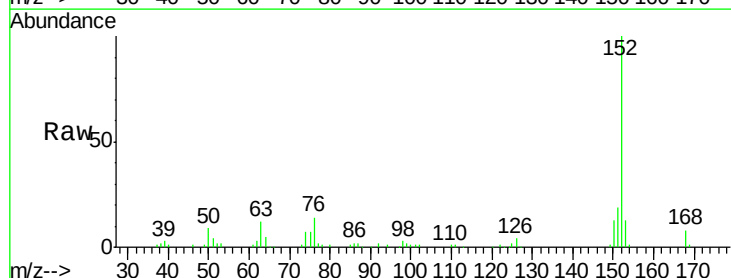
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

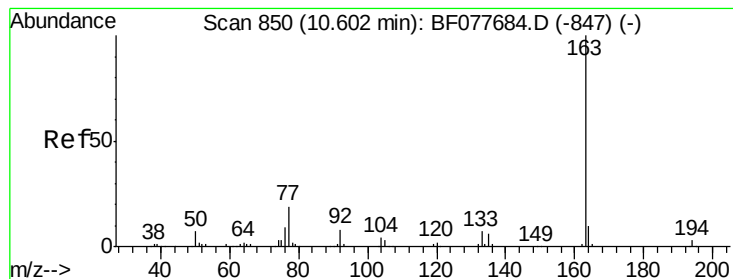
Tgt Ion: 65 Resp: 19295
 Ion Ratio Lower Upper
 65 100
 92 74.8 59.1 88.7
 138 124.3 93.9 140.9



#48
 Acenaphthylene
 Concen: 17.20 ng
 RT: 10.66 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Tgt Ion: 152 Resp: 124903
 Ion Ratio Lower Upper
 152 100
 151 19.3 15.9 23.9
 153 12.9 10.6 16.0





#49

Dimethylphthalate

Concen: 17.63 ng

RT: 10.52 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

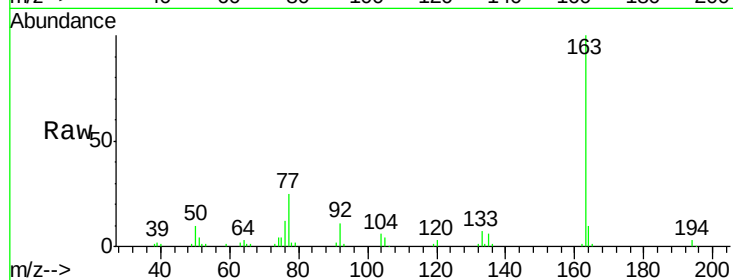
Tgt Ion:163 Resp: 87878

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

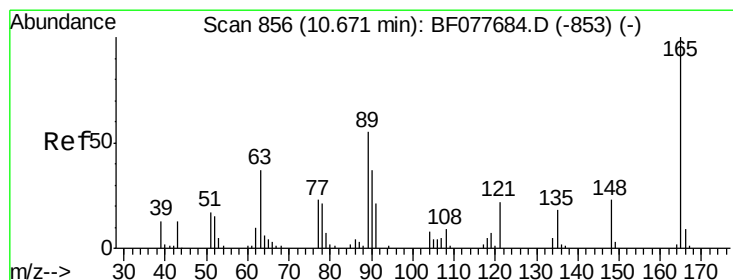
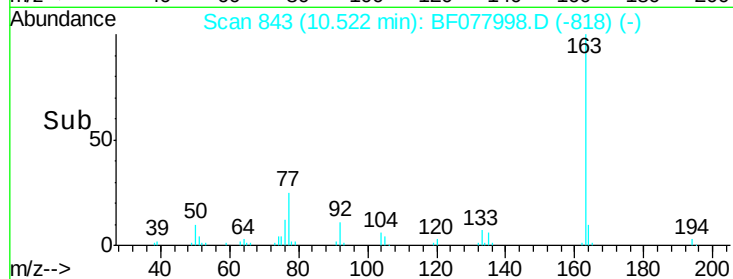
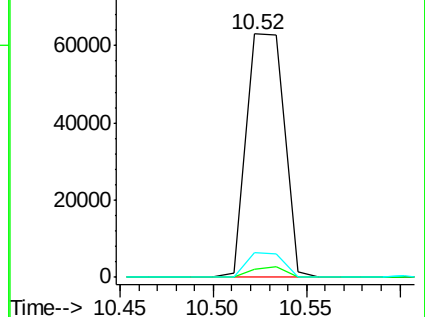
164 10.3 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 17.60 ng

RT: 10.60 min Scan# 850

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

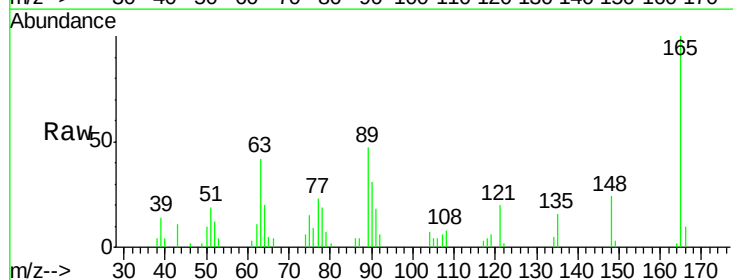
Tgt Ion:165 Resp: 18188

Ion Ratio Lower Upper

165 100

63 41.5 44.1 66.1#

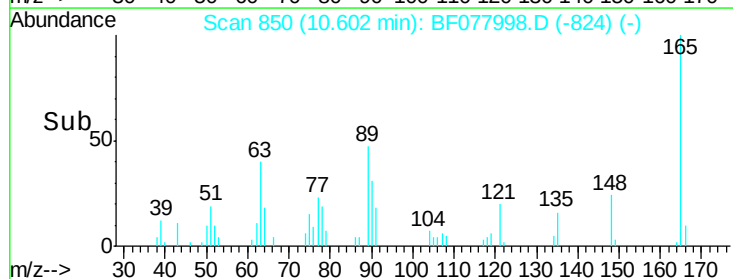
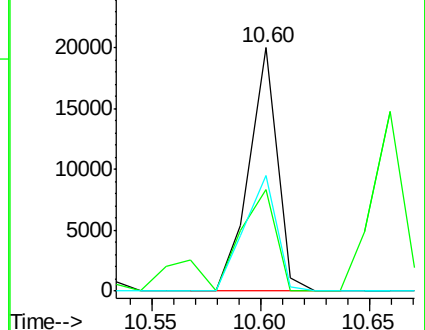
89 47.3 44.3 66.5

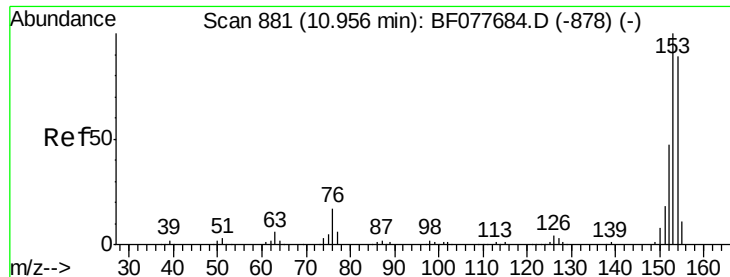


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 16.79 ng

RT: 10.88 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

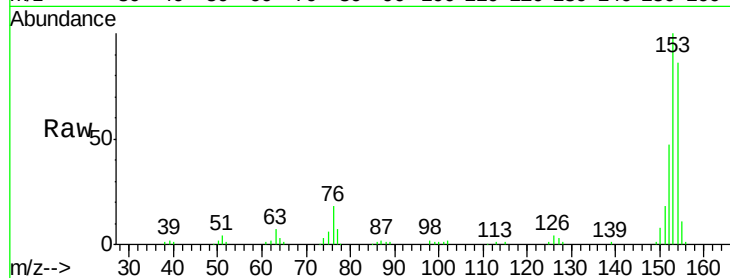
Tgt Ion:154 Resp: 69915

Ion Ratio Lower Upper

154 100

153 115.7 90.0 135.0

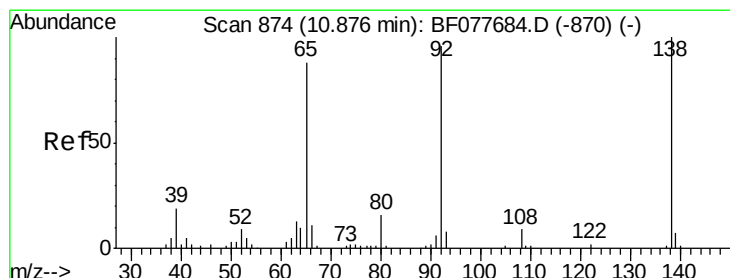
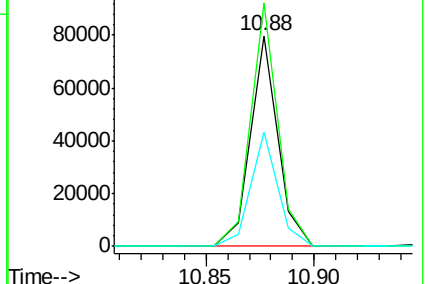
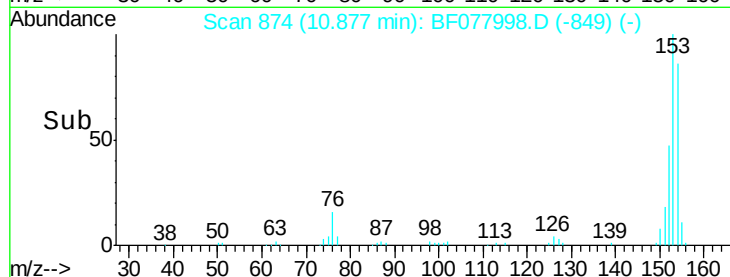
152 54.2 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 15.93 ng

RT: 10.80 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

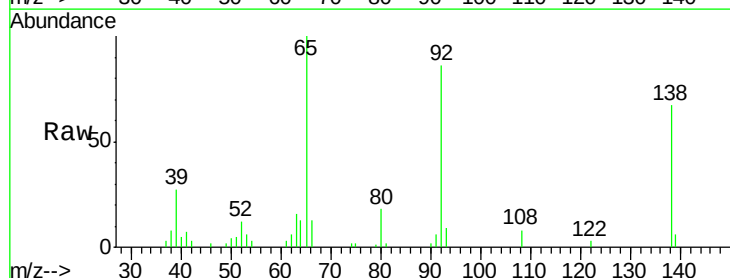
Tgt Ion:138 Resp: 19112

Ion Ratio Lower Upper

138 100

108 11.4 7.3 10.9#

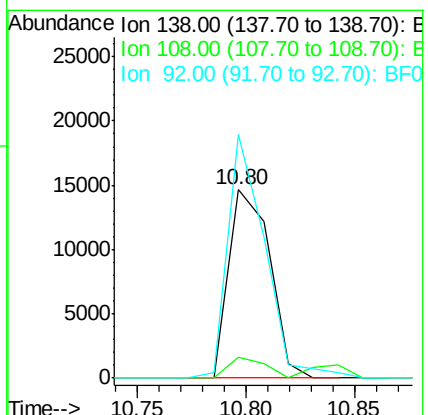
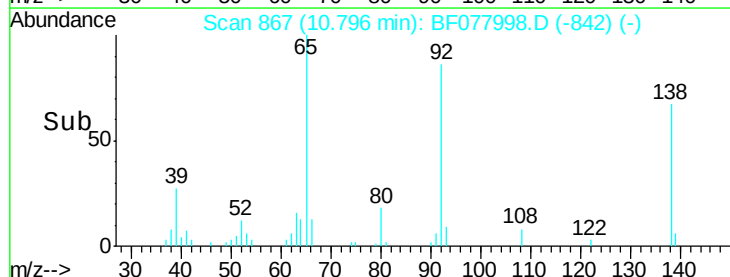
92 129.4 76.6 114.8#

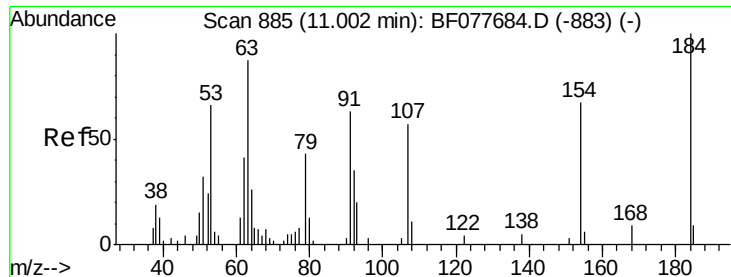


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

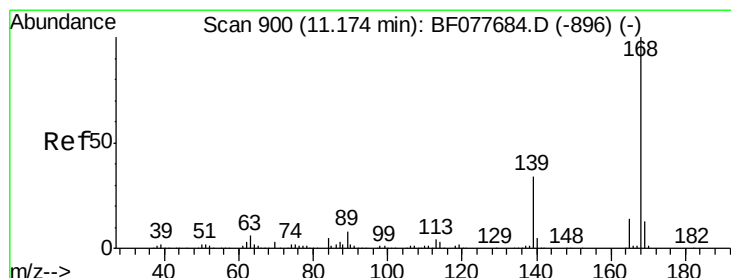
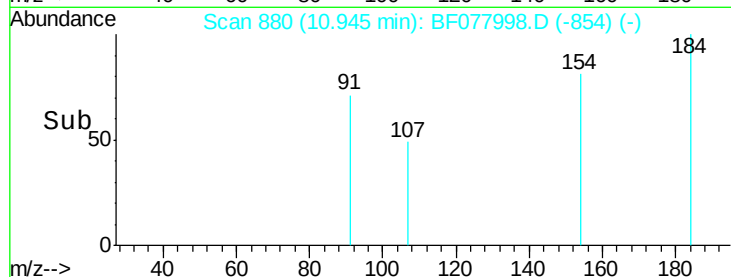
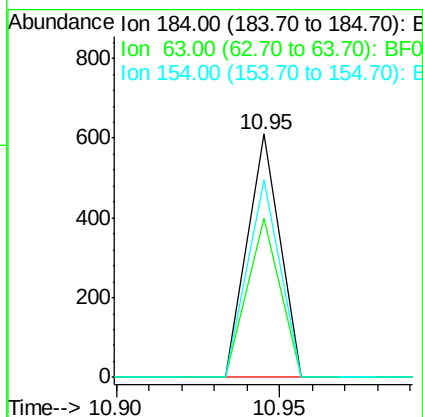
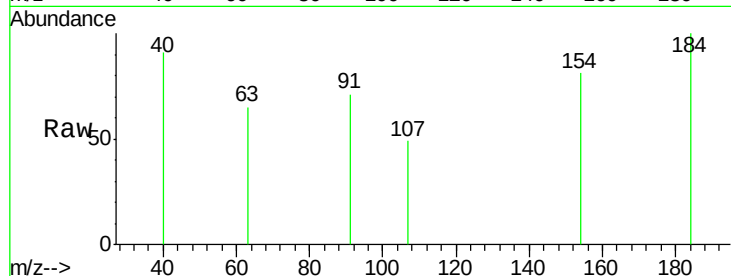




#53
2,4-Dinitrophenol
Concen: 9.05 ng
RT: 10.95 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

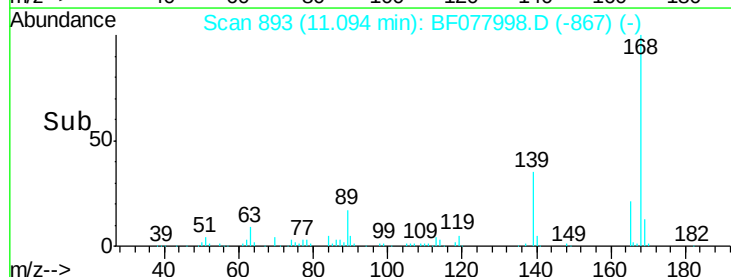
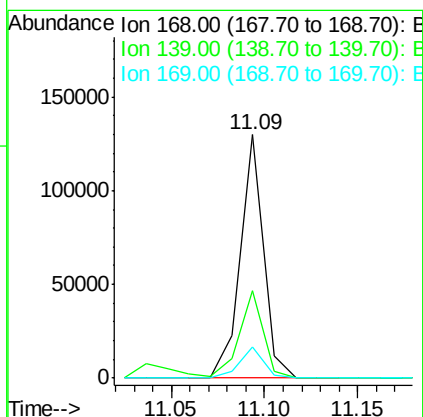
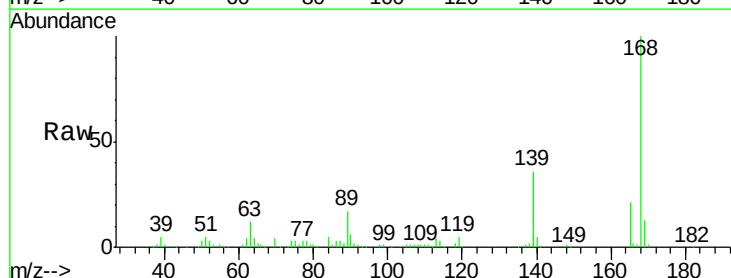
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

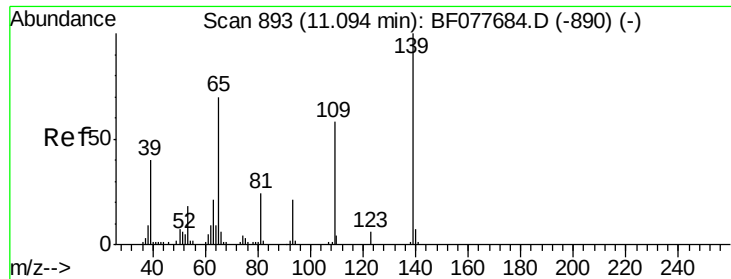
Tgt Ion:184 Resp: 419
Ion Ratio Lower Upper
184 100
63 65.5 69.2 103.8#
154 81.0 53.3 79.9#



#54
Dibenzofuran
Concen: 18.36 ng
RT: 11.09 min Scan# 893
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion:168 Resp: 113362
Ion Ratio Lower Upper
168 100
139 35.8 27.3 40.9
169 12.7 10.6 16.0

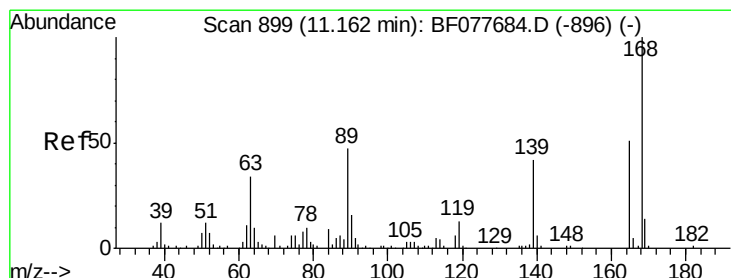
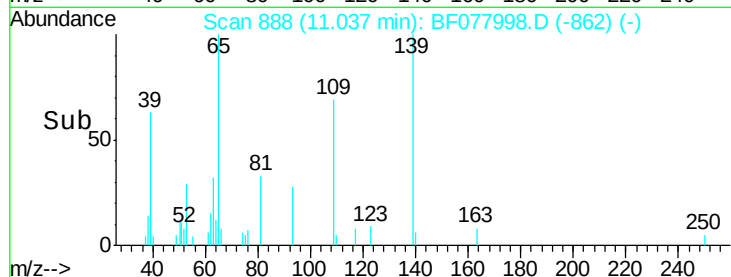
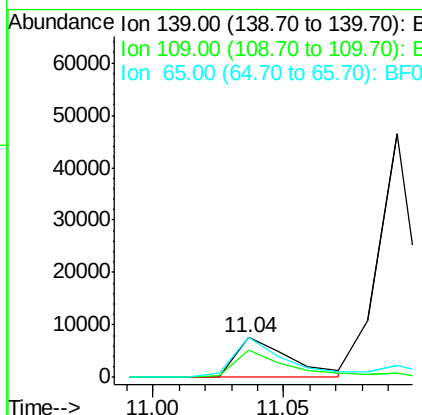
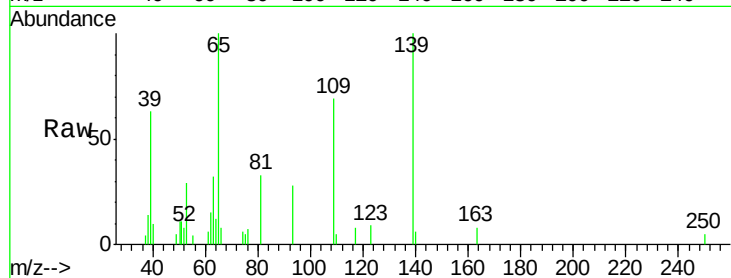




#55
4-Nitrophenol
Concen: 12.03 ng
RT: 11.04 min Scan# 888
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

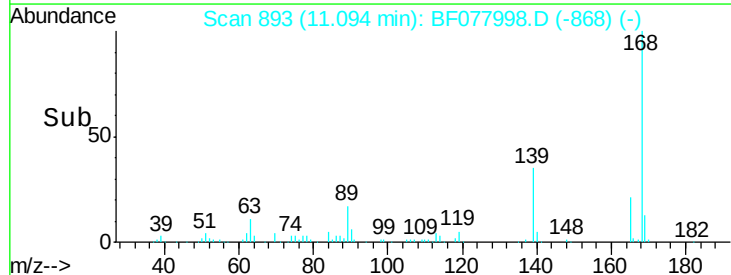
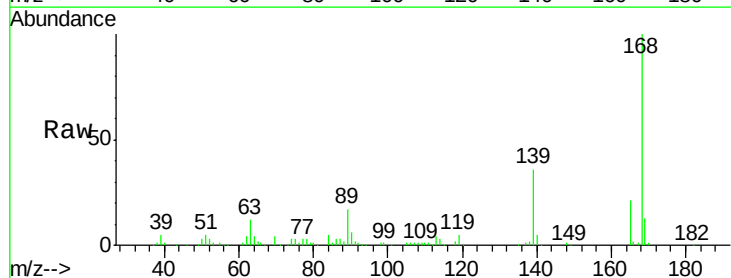
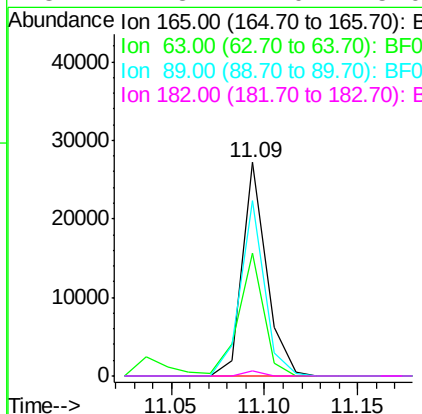
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

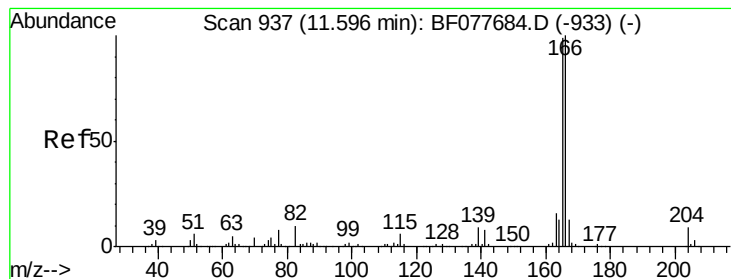
Tgt Ion:139 Resp: 10695
Ion Ratio Lower Upper
139 100
109 69.1 37.7 77.7
65 99.8 49.9 89.9#



#56
2,4-Dinitrotoluene
Concen: 18.23 ng
RT: 11.09 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion:165 Resp: 24569
Ion Ratio Lower Upper
165 100
63 57.3 52.4 78.6
89 81.8 72.4 108.6
182 2.3 2.0 3.0





#57

Fluorene

Concen: 17.78 ng

RT: 11.52 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

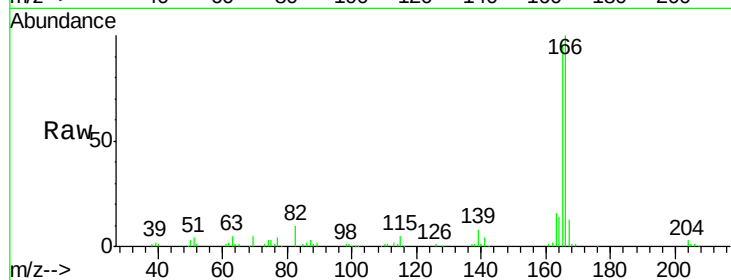
Tgt Ion:166 Resp: 91131

Ion Ratio Lower Upper

166 100

165 96.1 79.0 118.4

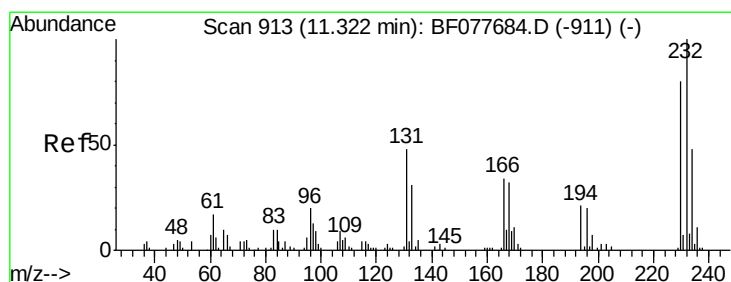
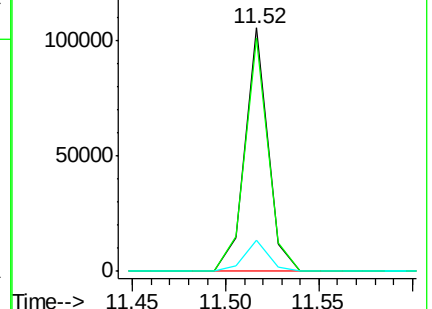
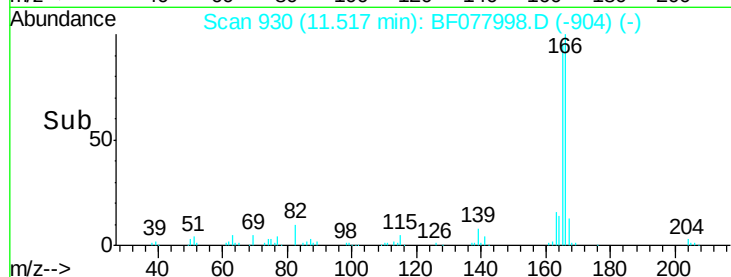
167 12.6 10.3 15.5



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: 16.14 ng

RT: 11.25 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Tgt Ion:232 Resp: 18641

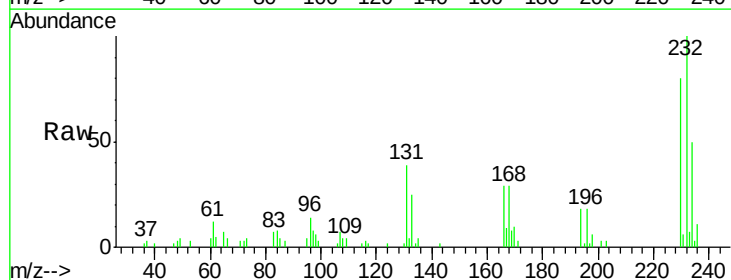
Ion Ratio Lower Upper

232 100

131 47.2 0.0 0.0#

130 1.5 0.0 0.0#

166 30.9 0.0 0.0#

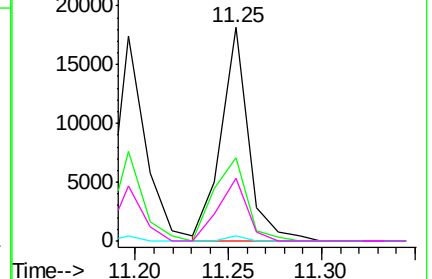
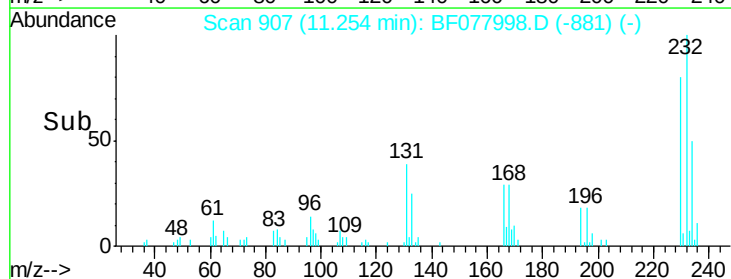


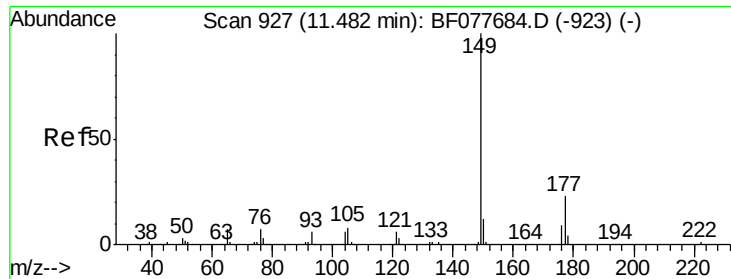
Abundance Ion 232.00 (231.70 to 232.70): E

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

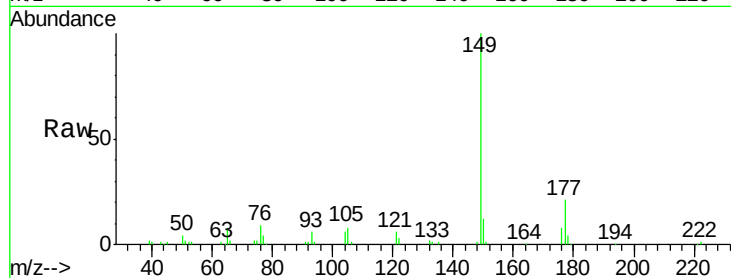




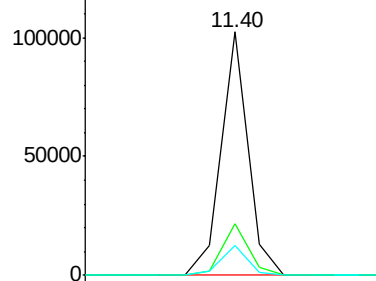
#59
Diethylphthalate
Concen: 18.03 ng
RT: 11.40 min Scan# 920
Delta R.T. -0.01 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

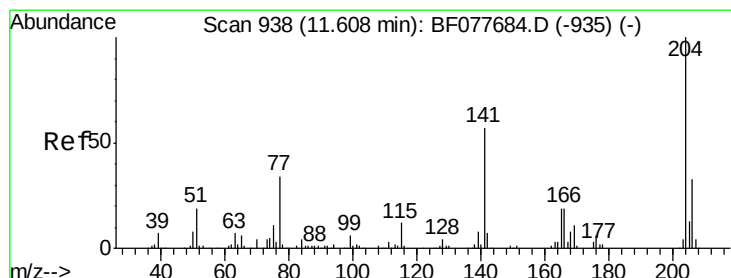
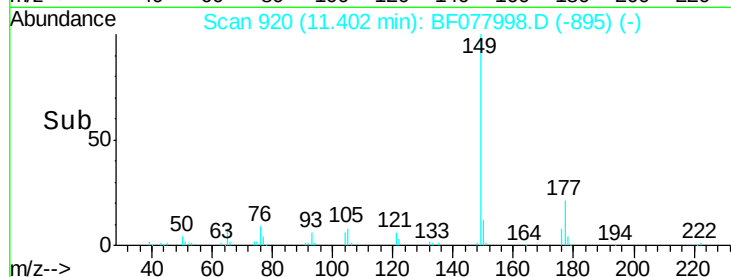
Tgt Ion:149 Resp: 87596
Ion Ratio Lower Upper
149 100
177 21.3 18.3 27.5
150 12.5 9.8 14.8



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

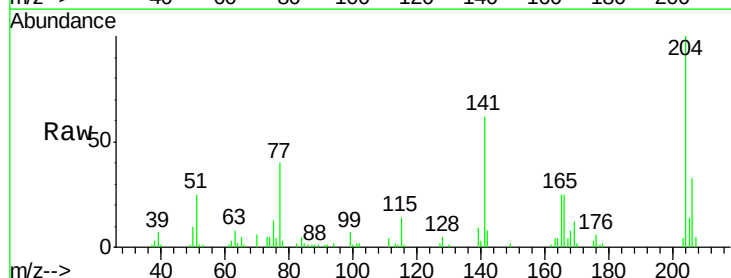


Time-->

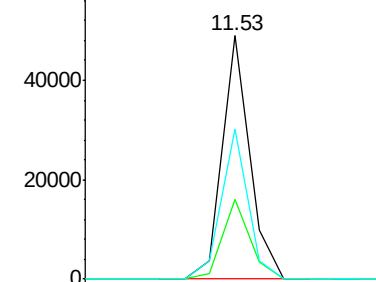


#60
4-Chlorophenyl-phenylether
Concen: 18.35 ng
RT: 11.53 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

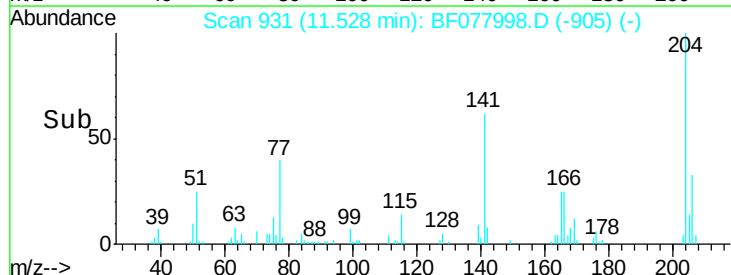
Tgt Ion:204 Resp: 42933
Ion Ratio Lower Upper
204 100
206 32.7 26.6 39.8
141 61.8 45.2 67.8

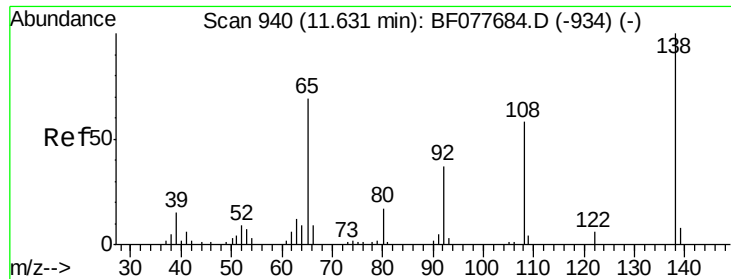


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->

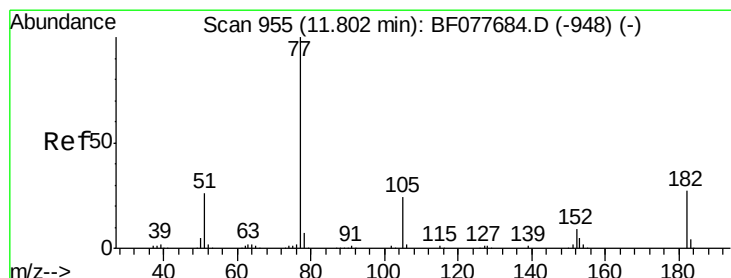
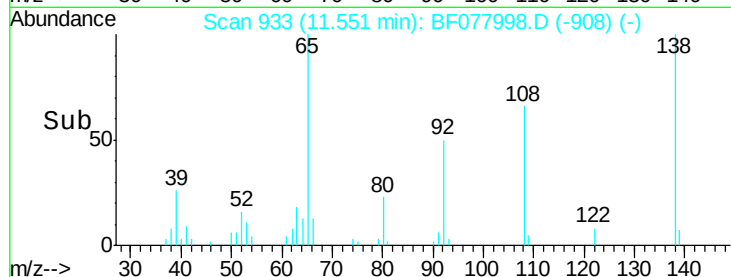
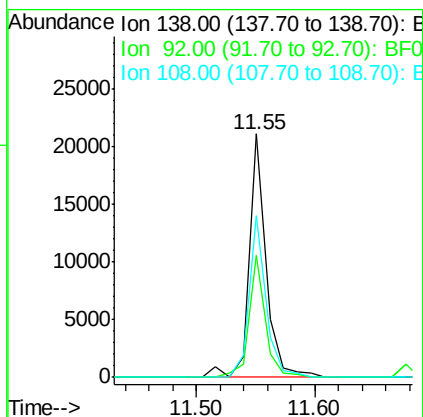
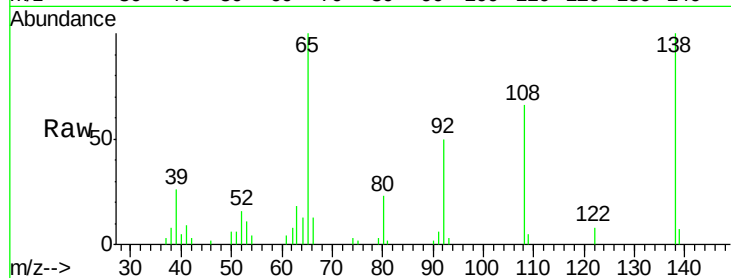




#61
4-Nitroaniline
Concen: 17.52 ng
RT: 11.55 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

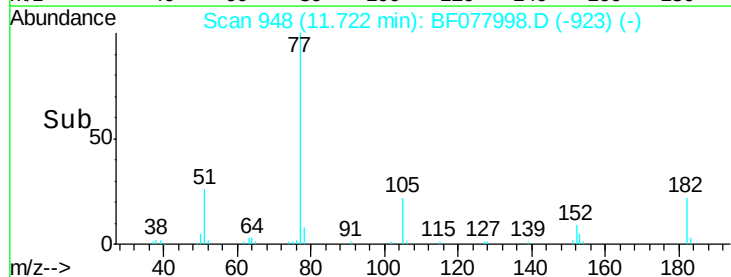
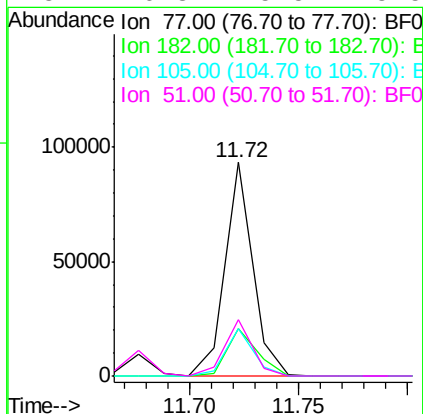
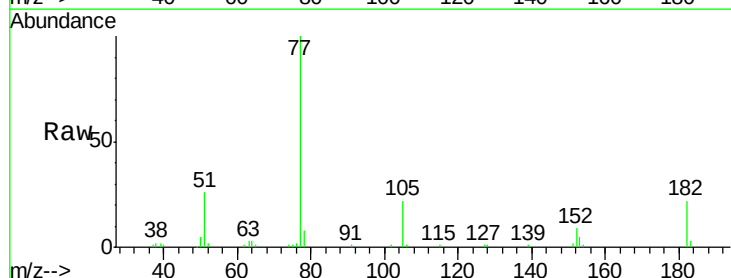
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

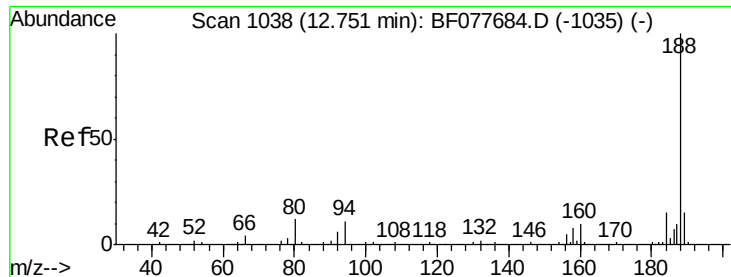
Tgt Ion:138 Resp: 20960
Ion Ratio Lower Upper
138 100
92 50.1 16.7 56.7
108 66.4 37.6 77.6



#62
Azobenzene
Concen: 17.82 ng
RT: 11.72 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion: 77 Resp: 82705
Ion Ratio Lower Upper
77 100
182 22.0 6.5 46.5
105 22.1 3.8 43.8
51 26.3 5.5 45.5

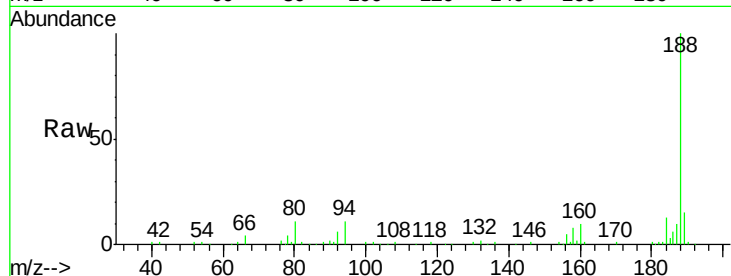




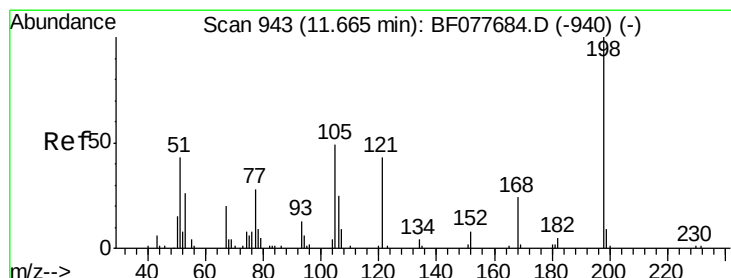
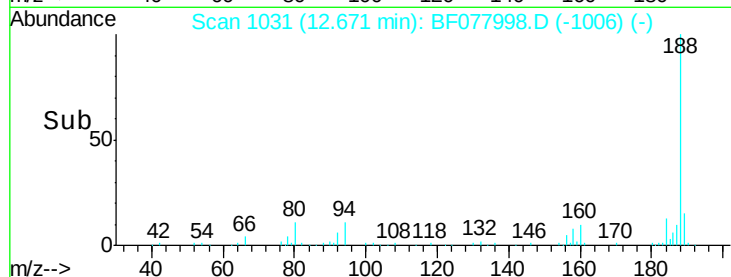
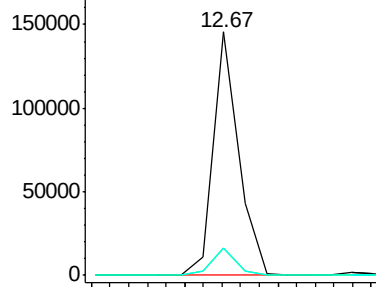
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:188 Resp: 137958
Ion Ratio Lower Upper
188 100
94 11.1 8.7 13.1
80 11.4 9.3 13.9

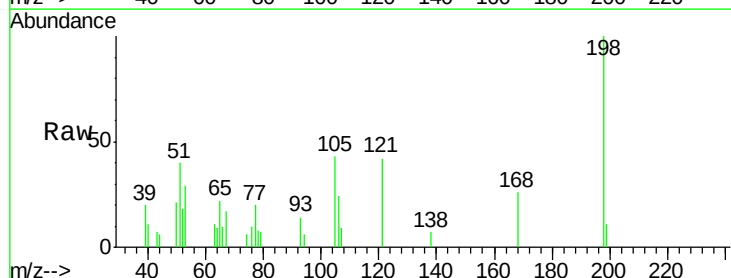


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

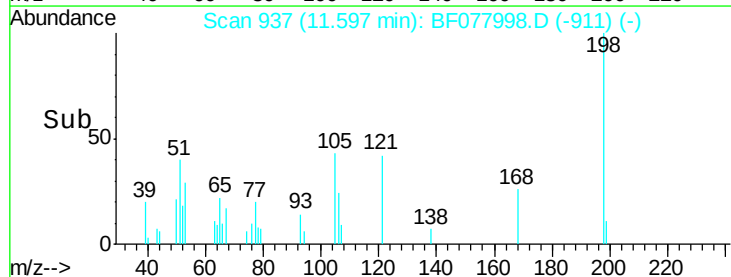
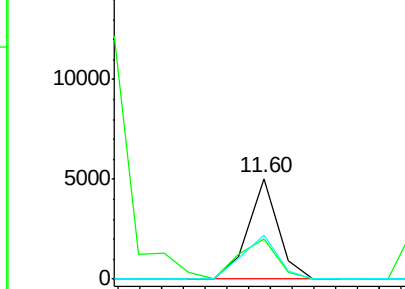


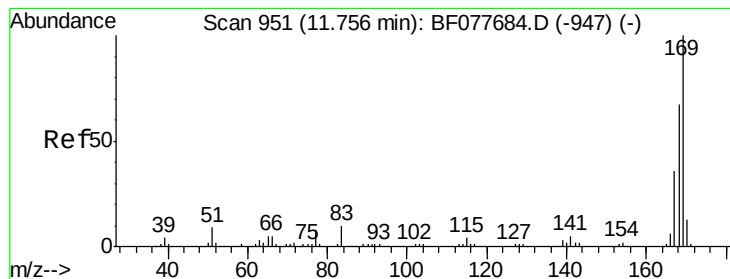
#64
4,6-Dinitro-2-methylphenol
Concen: 11.07 ng
RT: 11.60 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion:198 Resp: 4843
Ion Ratio Lower Upper
198 100
51 40.3 28.8 68.8
105 43.4 30.5 70.5



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 16.98 ng

RT: 11.68 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

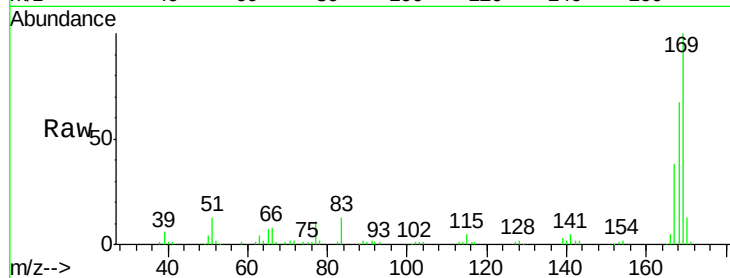
Tgt Ion:169 Resp: 78019

Ion Ratio Lower Upper

169 100

168 67.2 53.9 80.9

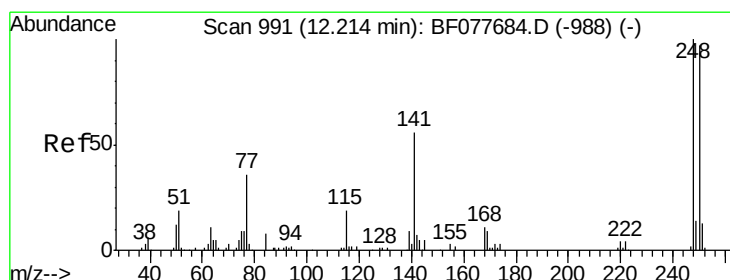
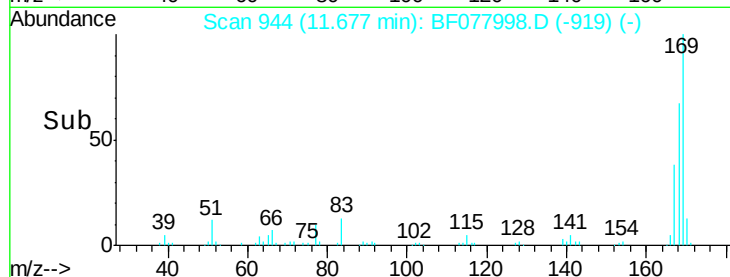
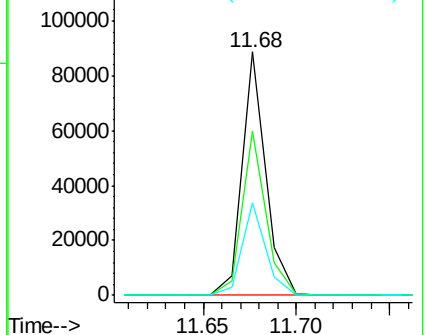
167 37.8 28.9 43.3



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: 16.74 ng

RT: 12.13 min Scan# 984

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

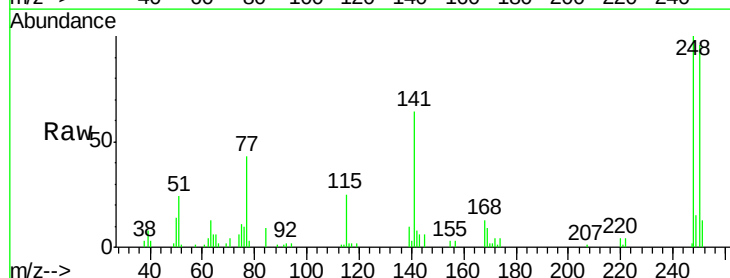
Tgt Ion:248 Resp: 24653

Ion Ratio Lower Upper

248 100

250 96.2 77.4 116.0

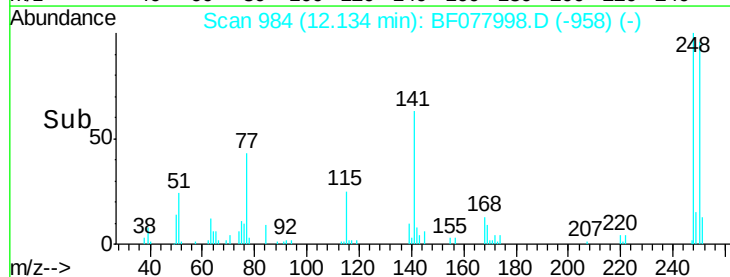
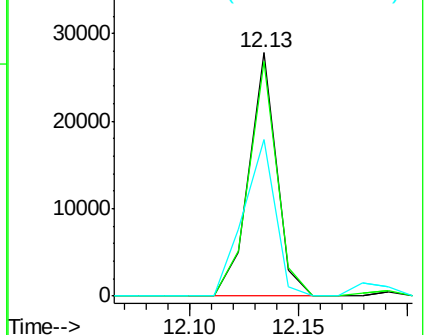
141 64.5 45.2 67.8

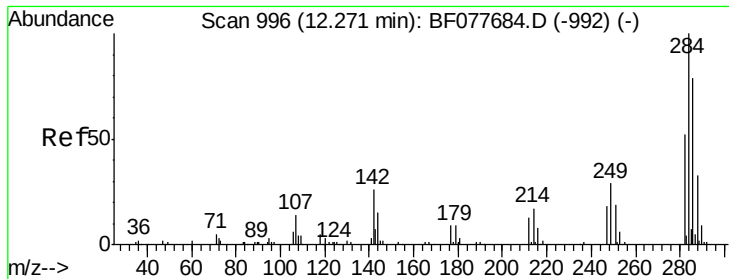


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

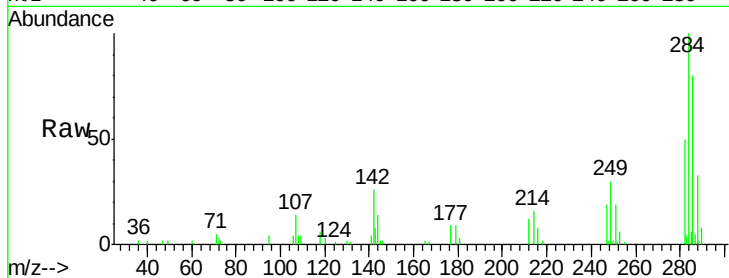




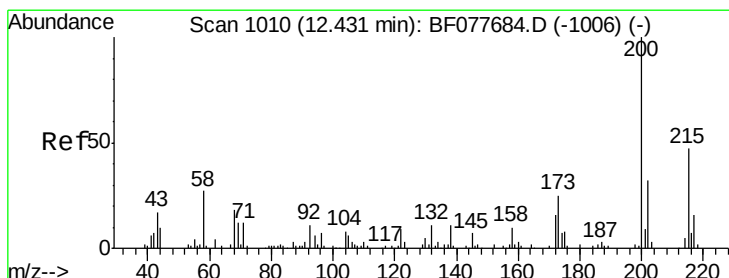
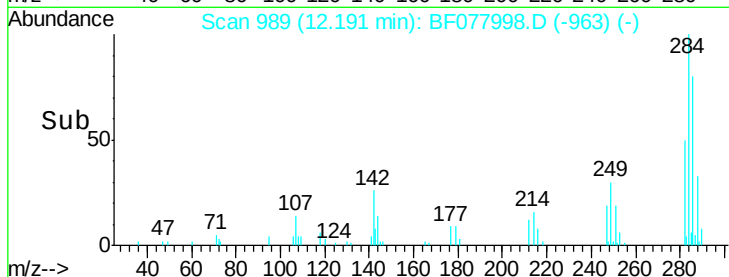
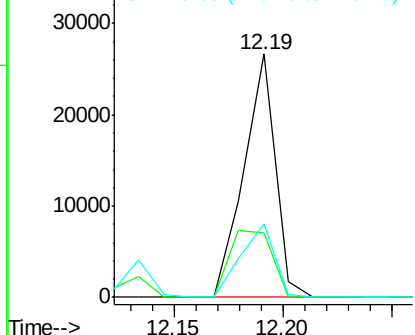
#67
Hexachlorobenzene
Concen: 16.53 ng
RT: 12.19 min Scan# 989
Delta R.T. 0.00 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 284 Resp: 26739
Ion Ratio Lower Upper
284 100
142 26.4 20.4 30.6
249 30.0 23.8 35.6

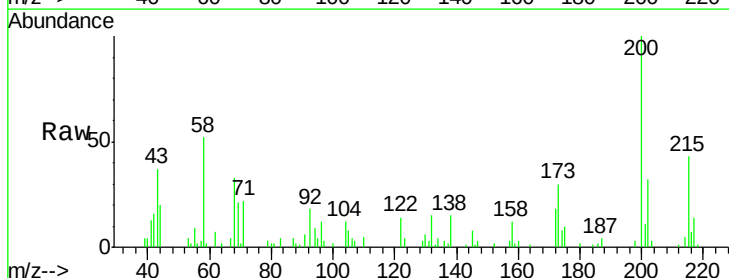


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

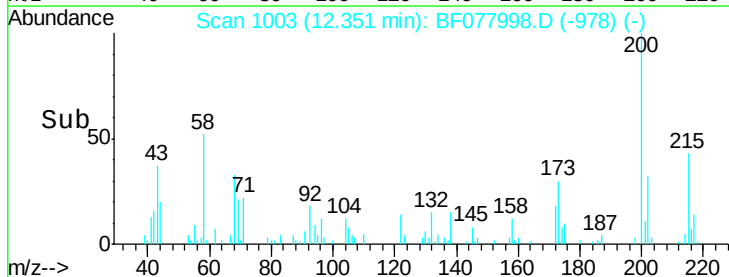
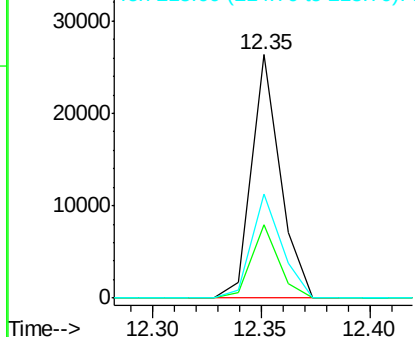


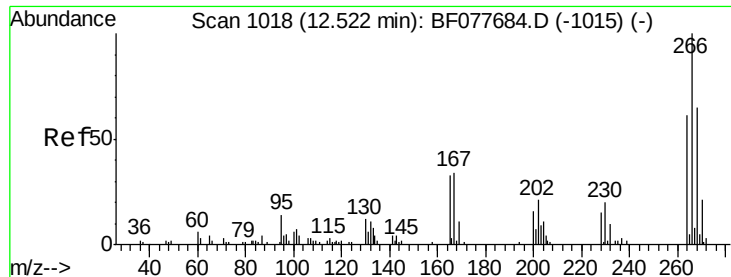
#68
Atrazine
Concen: 18.73 ng
RT: 12.35 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion: 200 Resp: 24108
Ion Ratio Lower Upper
200 100
173 30.1 4.8 44.8
215 42.7 26.9 66.9



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

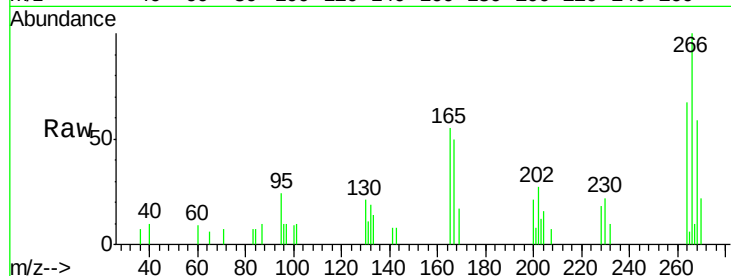




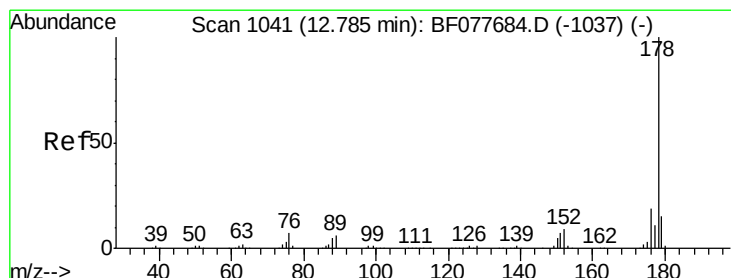
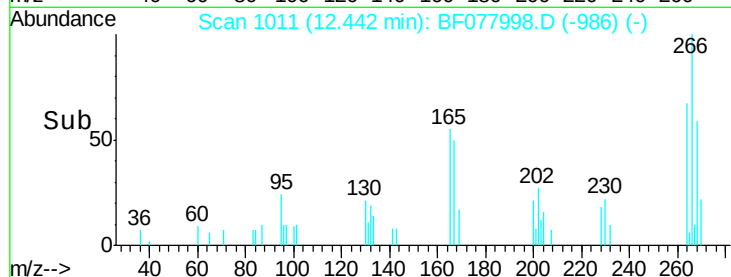
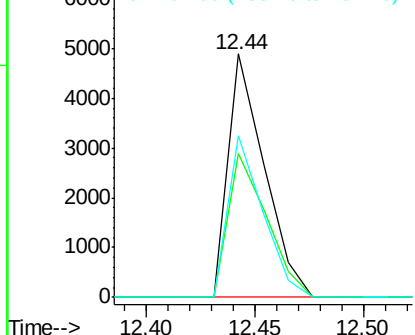
#69
 Pentachlorophenol
 Concen: 9.50 ng
 RT: 12.44 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion: 266 Resp: 5658
 Ion Ratio Lower Upper
 266 100
 268 59.2 52.0 78.0
 264 66.5 49.0 73.4

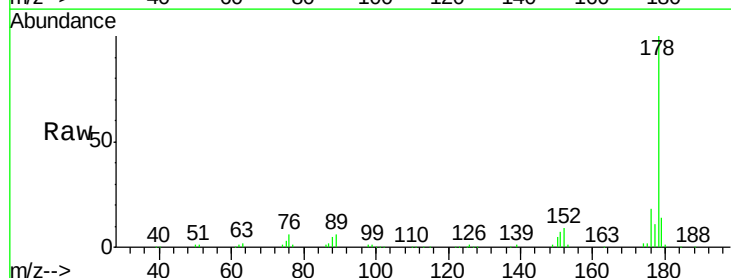


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

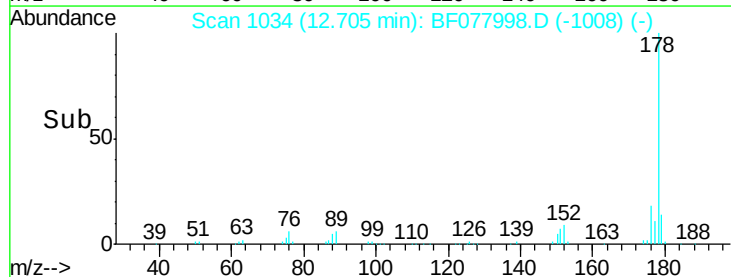
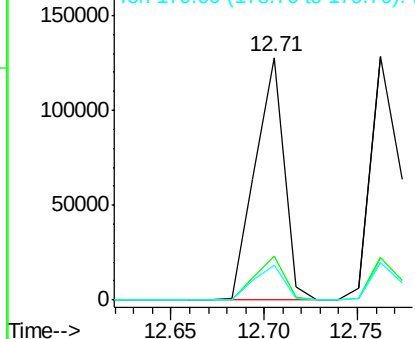


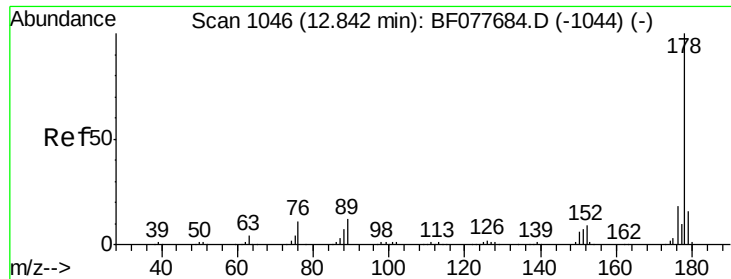
#70
 Phenanthrene
 Concen: 17.28 ng
 RT: 12.71 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Tgt Ion: 178 Resp: 136863
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.2 22.8
 179 14.3 12.1 18.1



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

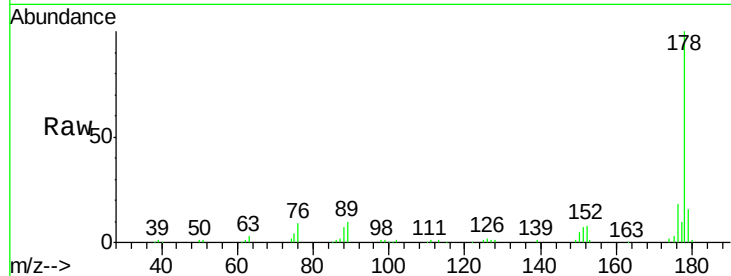




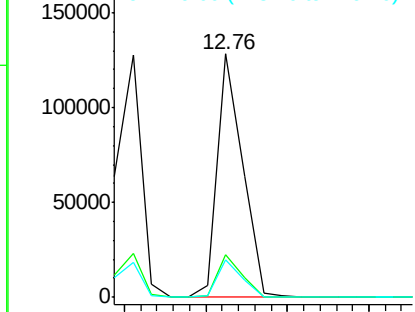
#71
 Anthracene
 Concen: 17.70 ng
 RT: 12.76 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

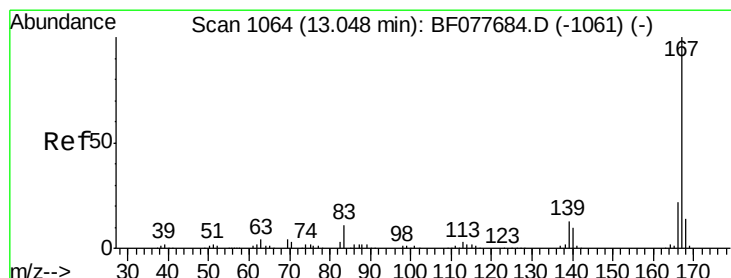
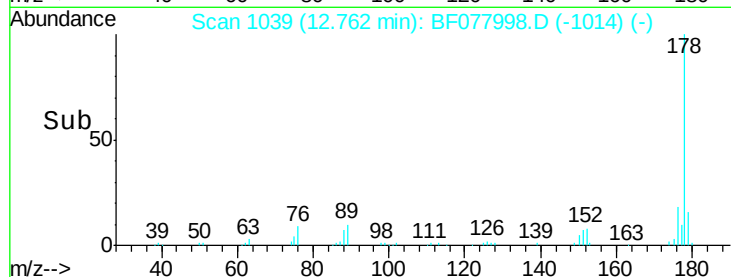
Tgt Ion:178 Resp: 138528
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.6 22.0
 179 15.7 12.6 19.0



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

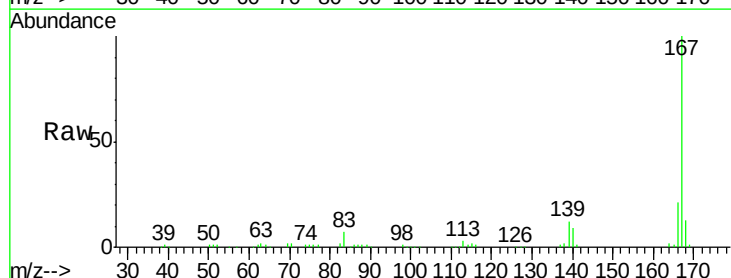


Time--> 12.70 12.75 12.80 12.85

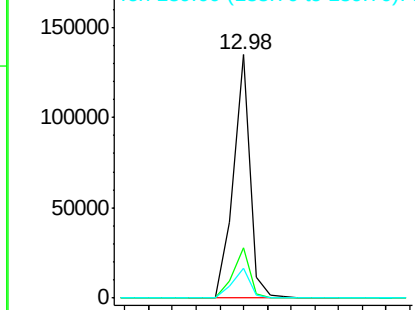


#72
 Carbazole
 Concen: 17.71 ng
 RT: 12.98 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

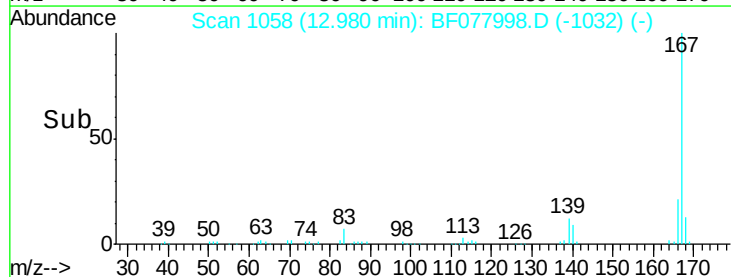
Tgt Ion:167 Resp: 131815
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.2 25.8
 139 12.1 10.8 16.2

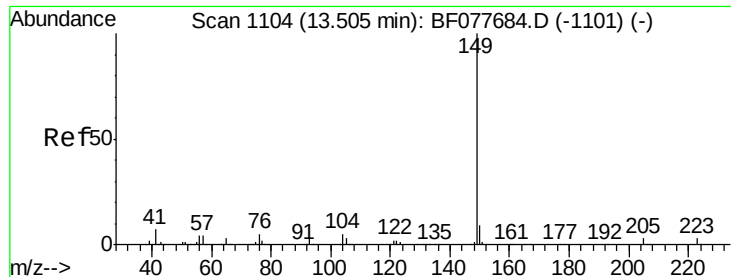


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E



Time--> 12.90 13.00 13.10





#73

Di-n-butylphthalate

Concen: 16.61 ng

RT: 13.44 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

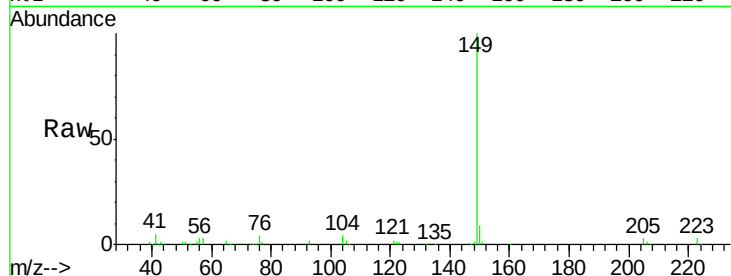
Tgt Ion:149 Resp: 138637

Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

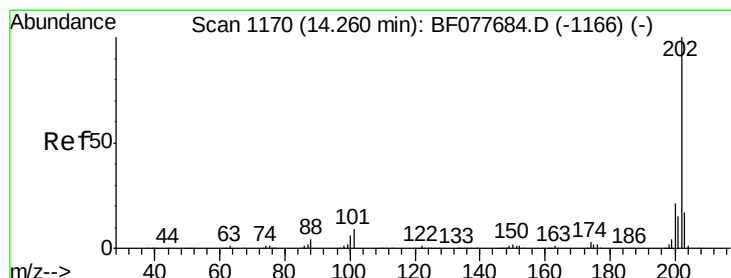
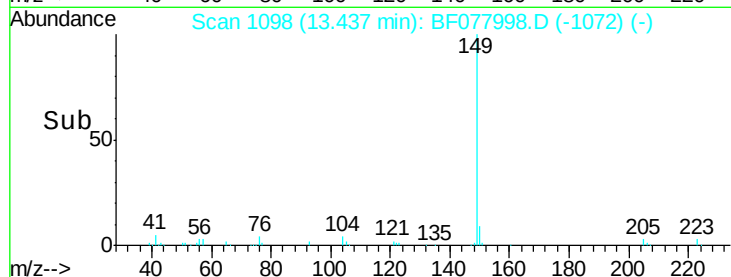
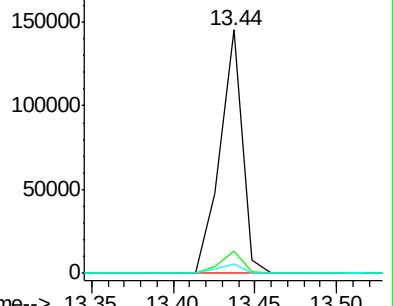
104 4.0 3.7 5.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 17.25 ng

RT: 14.18 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

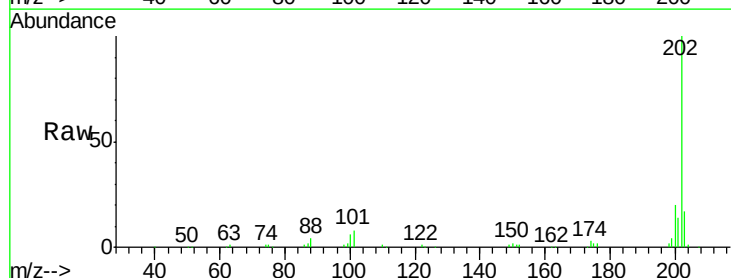
Tgt Ion:202 Resp: 150687

Ion Ratio Lower Upper

202 100

101 8.2 0.0 28.7

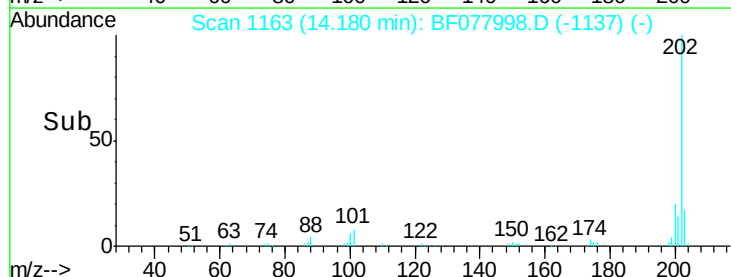
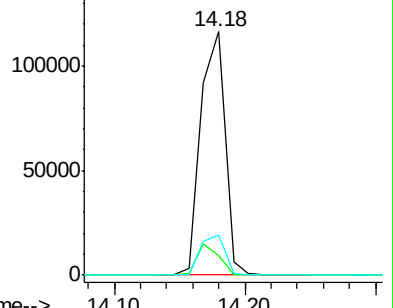
203 16.7 0.0 37.2

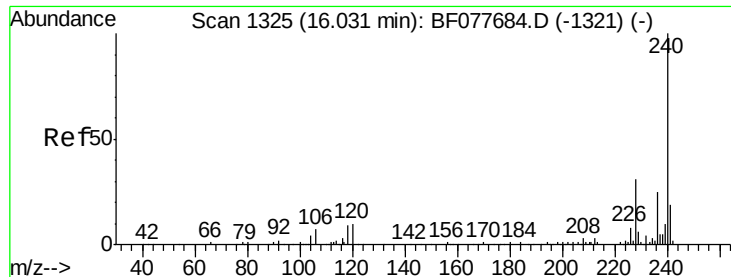


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.96 min Scan# 1319

Delta R.T. -0.05 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

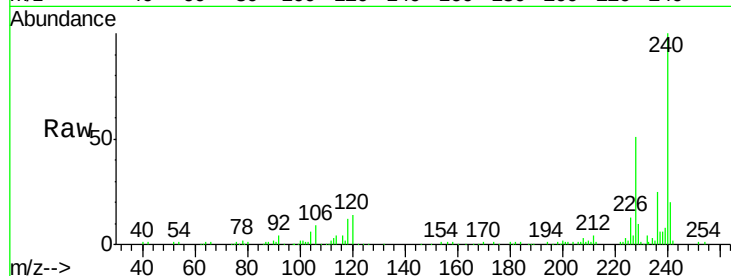
Tgt Ion:240 Resp: 150342

Ion Ratio Lower Upper

240 100

120 13.7 8.2 12.2#

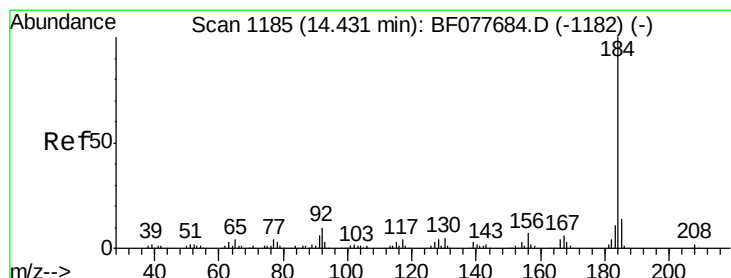
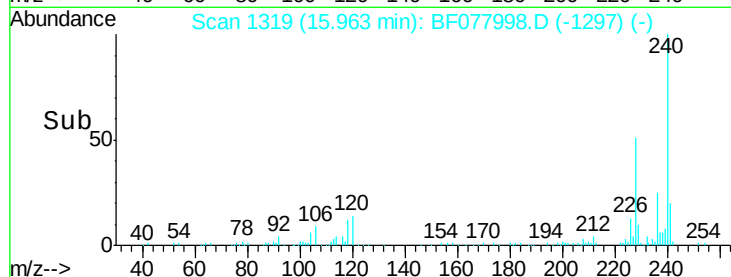
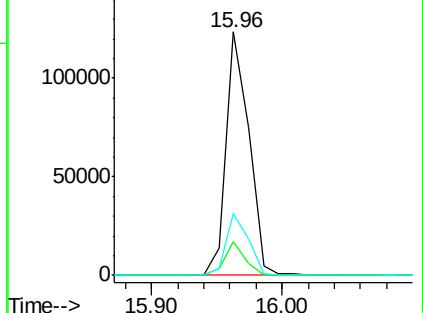
236 25.5 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 17.47 ng

RT: 14.36 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

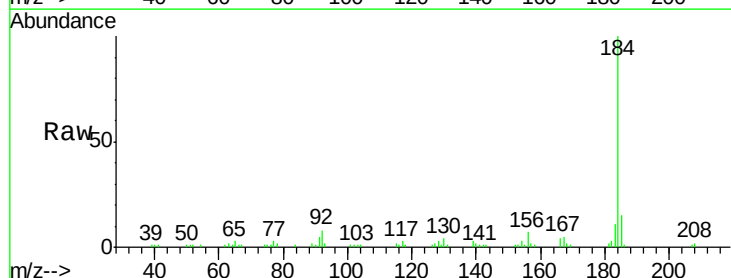
Tgt Ion:184 Resp: 65986

Ion Ratio Lower Upper

184 100

185 15.0 11.3 16.9

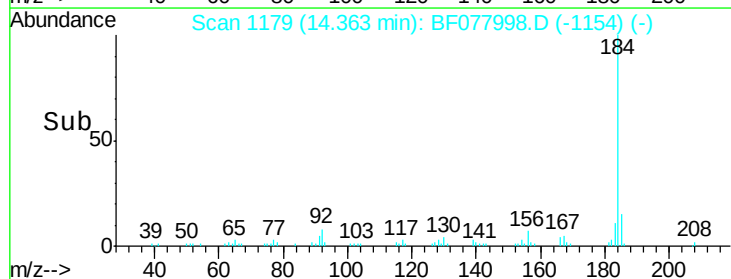
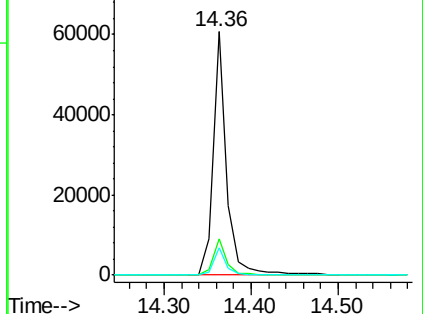
183 11.4 8.9 13.3

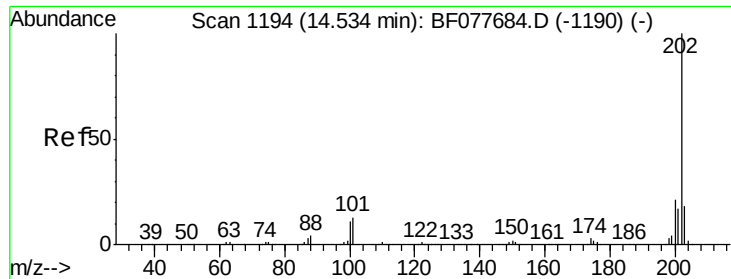


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

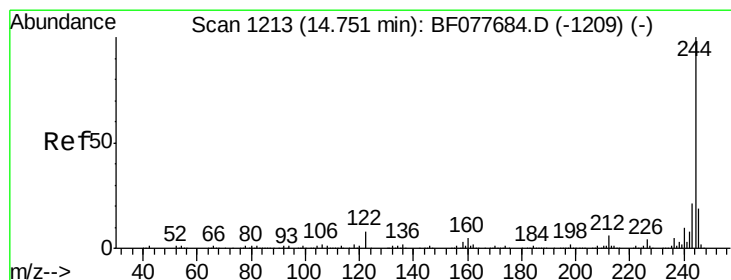
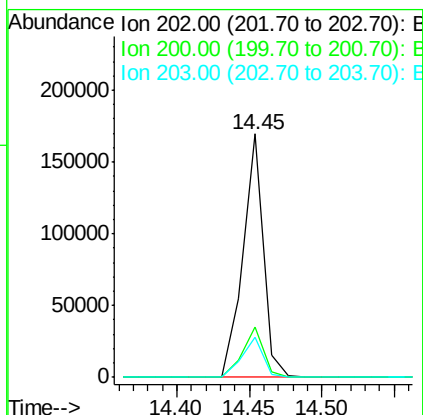
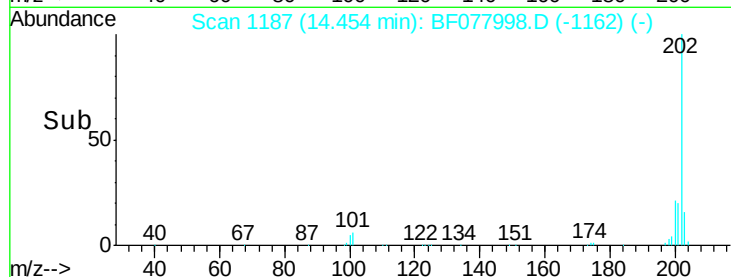
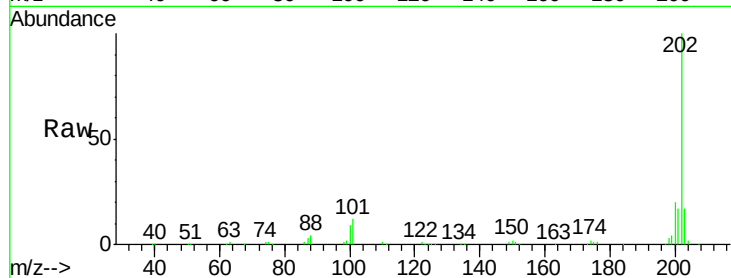




#77
 Pyrene
 Concen: 17.55 ng
 RT: 14.45 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

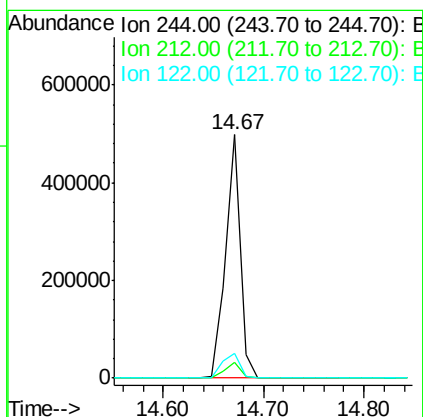
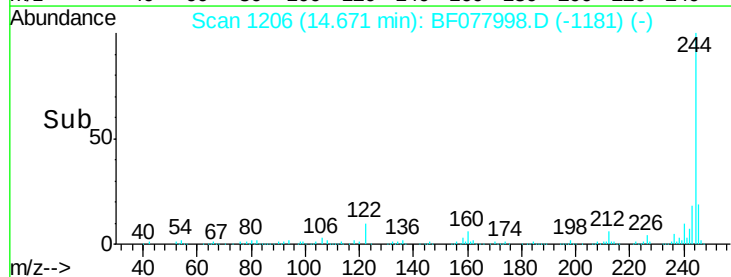
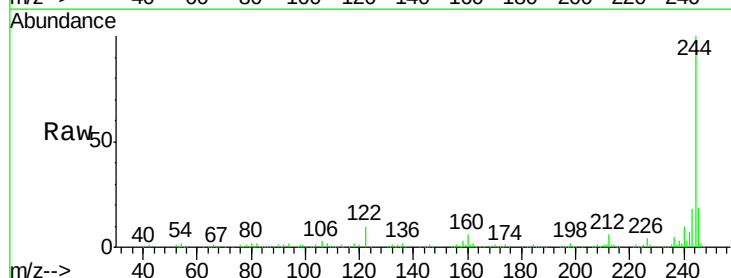
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

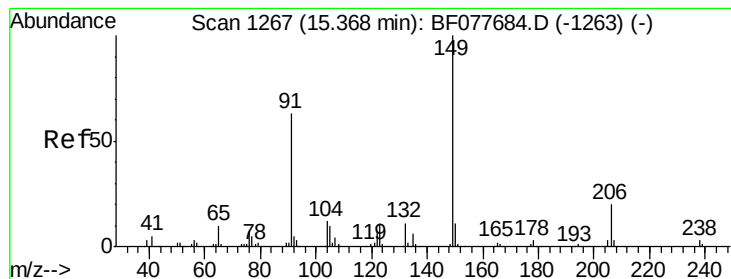
Tgt Ion: 202 Resp: 165894
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.9 25.3
 203 16.7 14.1 21.1



#78
 Terphenyl-d14
 Concen: 82.39 ng
 RT: 14.67 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Tgt Ion: 244 Resp: 507080
 Ion Ratio Lower Upper
 244 100
 212 6.5 4.9 7.3
 122 10.3 6.2 9.4#





#79

Butylbenzylphthalate

Concen: 14.84 ng

RT: 15.29 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

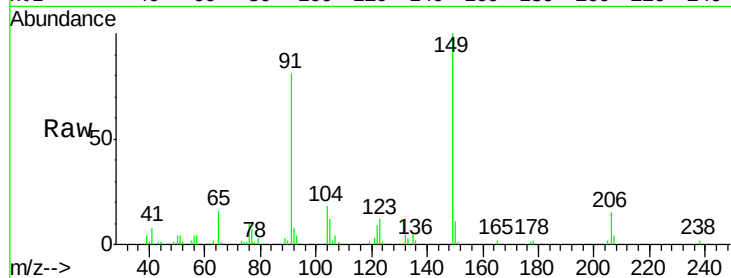
Tgt Ion:149 Resp: 55309

Ion Ratio Lower Upper

149 100

91 81.3 50.1 75.1#

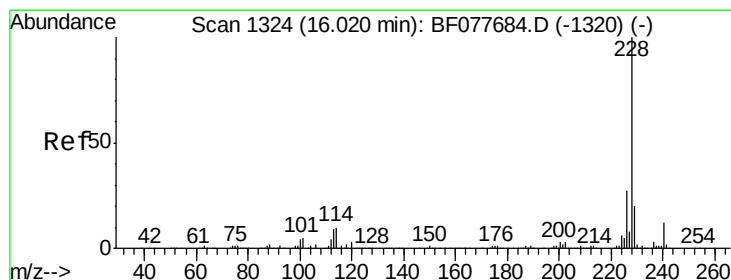
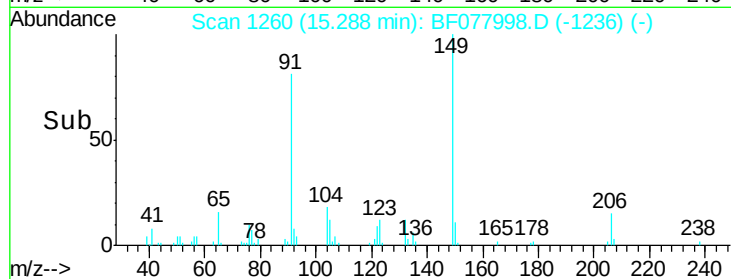
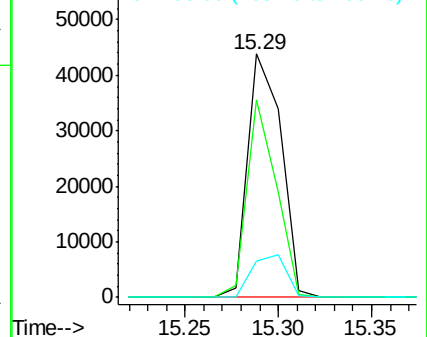
206 15.0 16.2 24.2#



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: 16.88 ng

RT: 15.95 min Scan# 1318

Delta R.T. -0.05 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

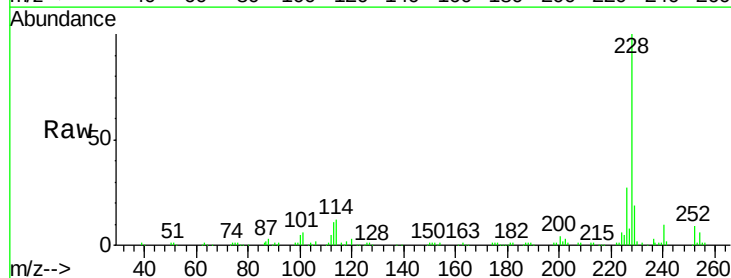
Tgt Ion:228 Resp: 150477

Ion Ratio Lower Upper

228 100

226 26.5 21.7 32.5

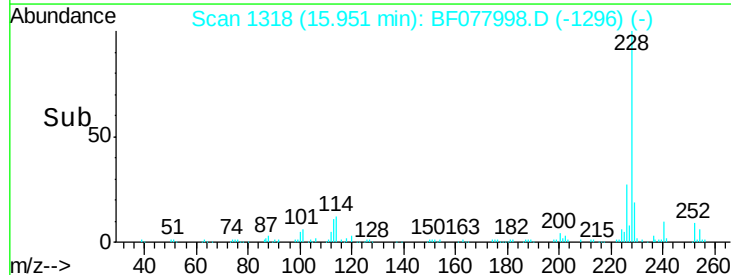
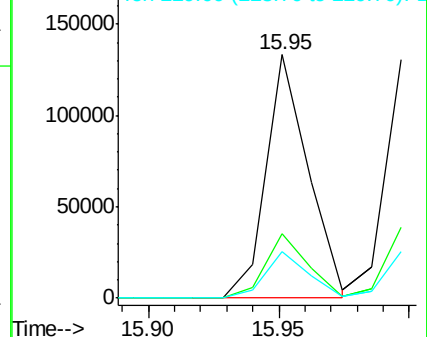
229 19.2 16.0 24.0

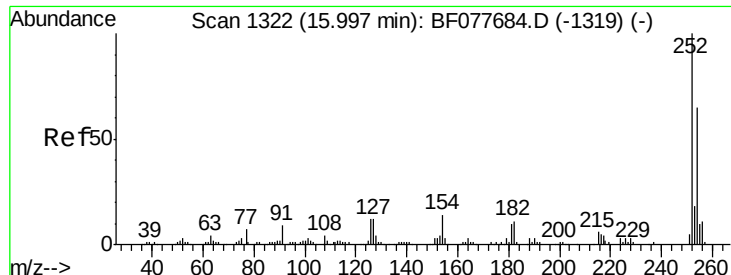


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

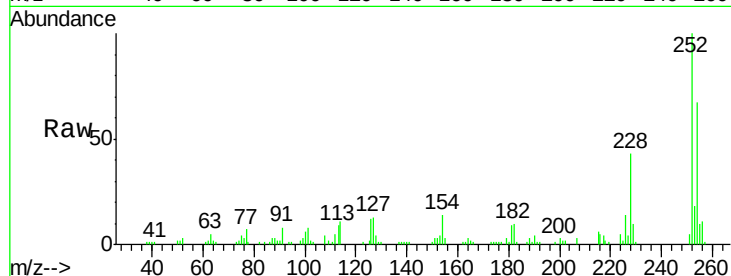




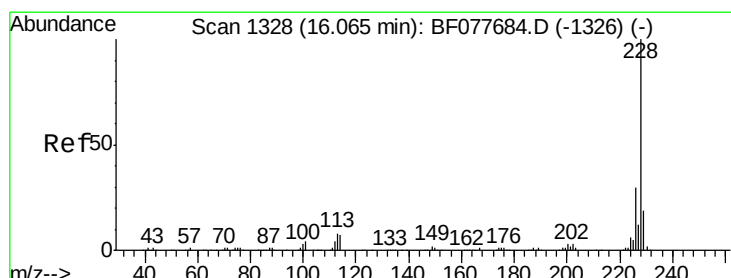
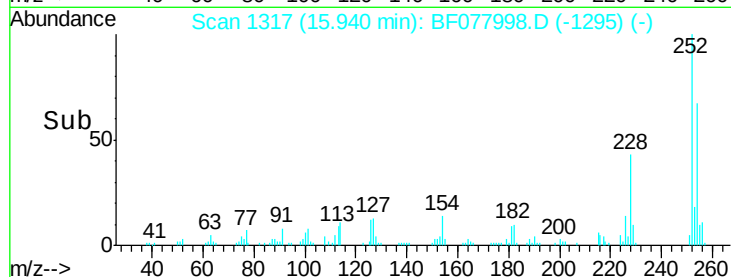
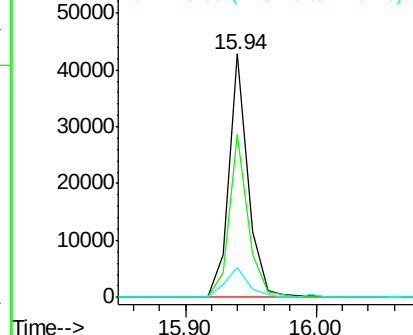
#81
 3,3'-Dichlorobenzidine
 Concen: 15.03 ng
 RT: 15.94 min Scan# 1317
 Delta R.T. -0.05 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:252 Resp: 44197
 Ion Ratio Lower Upper
 252 100
 254 67.0 51.9 77.9
 126 12.3 9.8 14.8

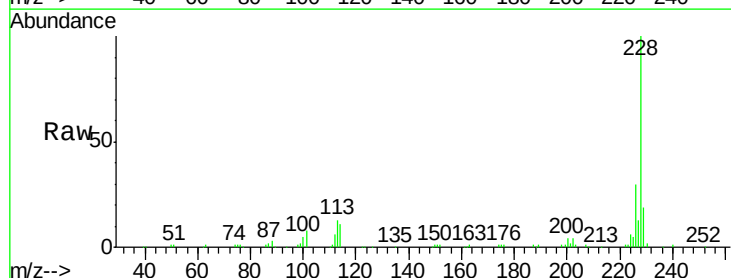


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

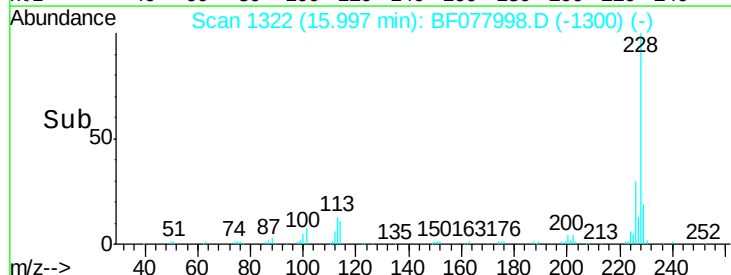
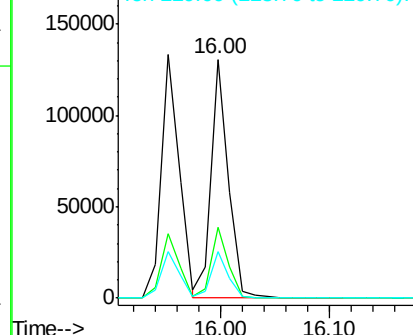


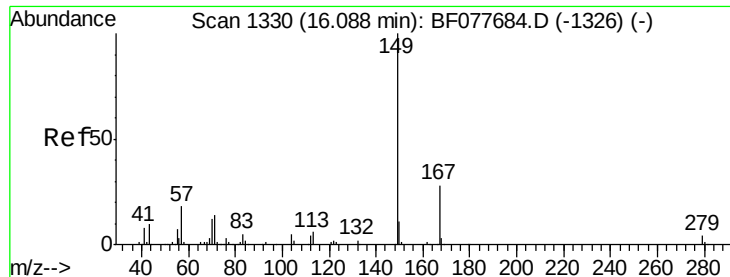
#82
 Chrysene
 Concen: 18.23 ng
 RT: 16.00 min Scan# 1322
 Delta R.T. -0.05 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Tgt Ion:228 Resp: 146085
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.1 36.1
 229 19.5 15.5 23.3



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





#83

Bis(2-ethylhexyl)phthalate

Concen: 14.18 ng

RT: 16.03 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

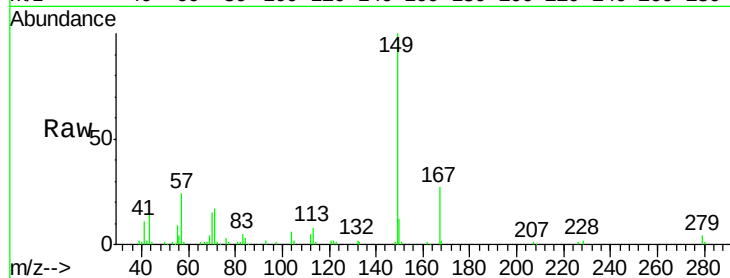
Tgt Ion:149 Resp: 80046

Ion Ratio Lower Upper

149 100

167 26.7 22.4 33.6

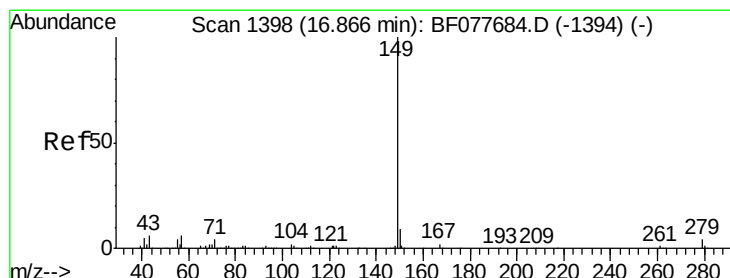
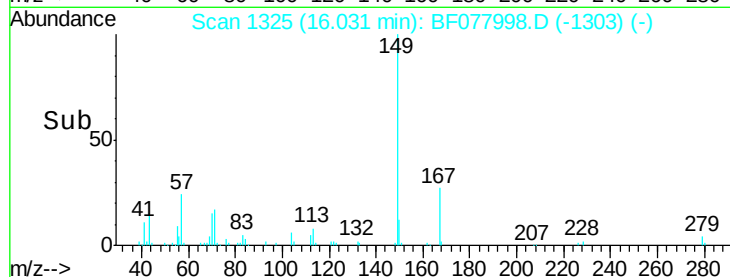
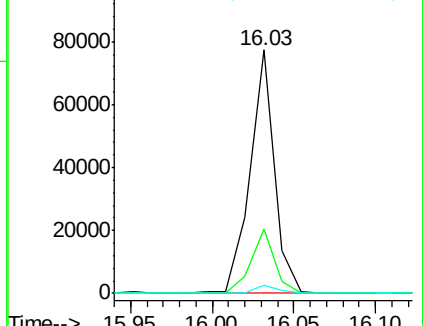
279 3.5 3.4 5.0



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: 13.36 ng

RT: 16.85 min Scan# 1397

Delta R.T. -0.09 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

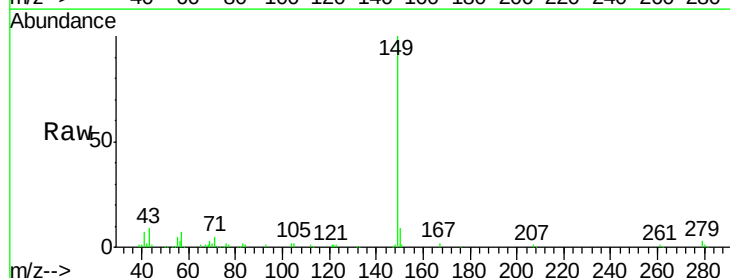
Tgt Ion:149 Resp: 128996

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

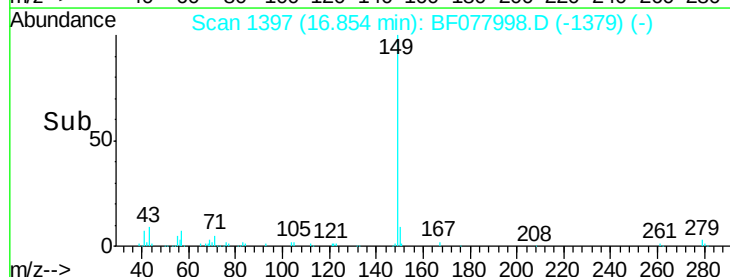
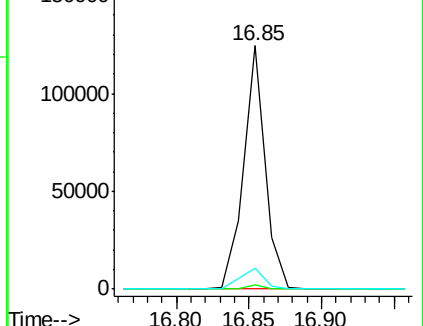
43 9.7 7.3 10.9

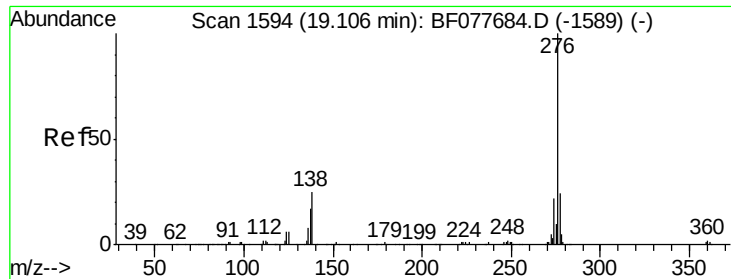


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

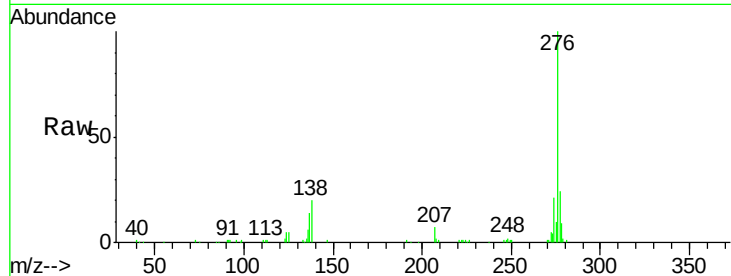




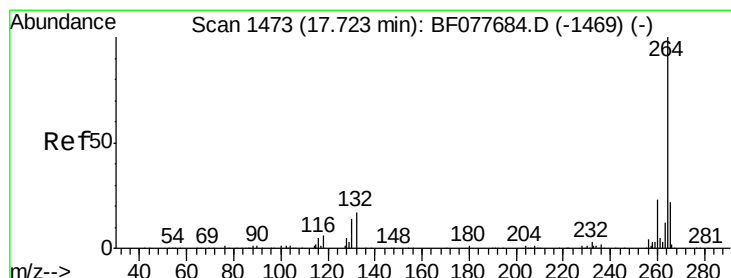
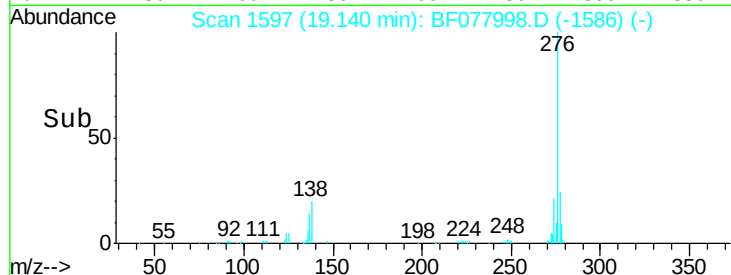
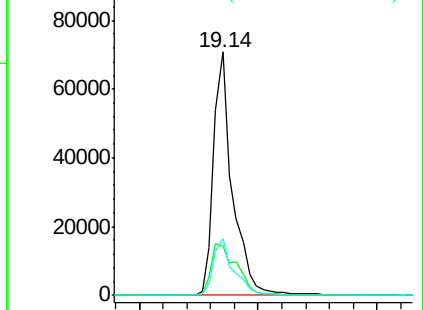
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.71 ng
 RT: 19.14 min Scan# 1597
 Delta R.T. -0.17 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:276 Resp: 157167
 Ion Ratio Lower Upper
 276 100
 138 28.3 0.0 0.0#
 277 24.4 0.0 0.0#

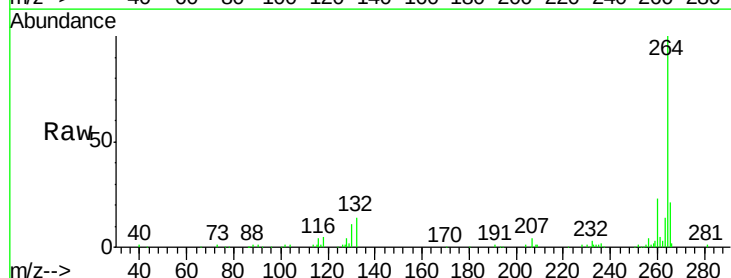


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

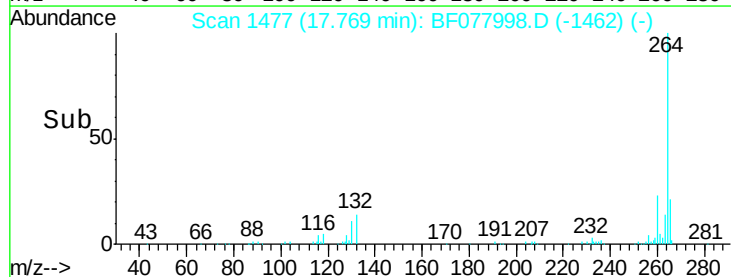
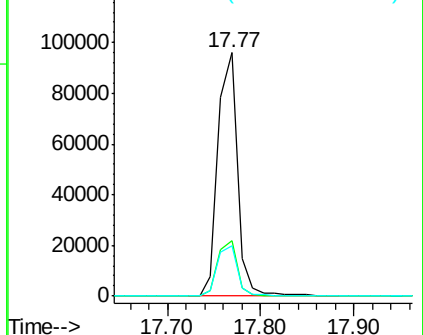


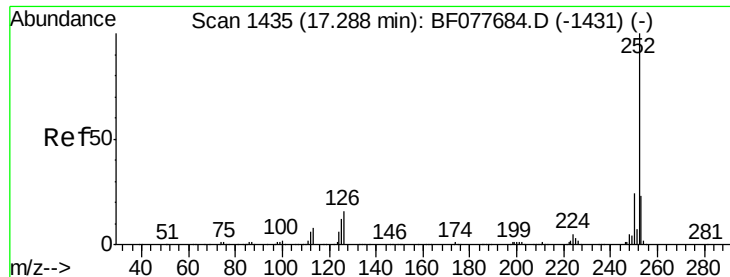
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.77 min Scan# 1477
 Delta R.T. -0.13 min
 Lab File: BF077998.D
 Acq: 26 Mar 2015 16:36

Tgt Ion:264 Resp: 140161
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 27.8
 265 20.9 17.3 25.9



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

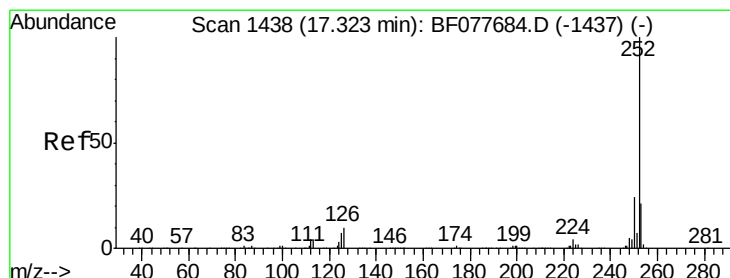
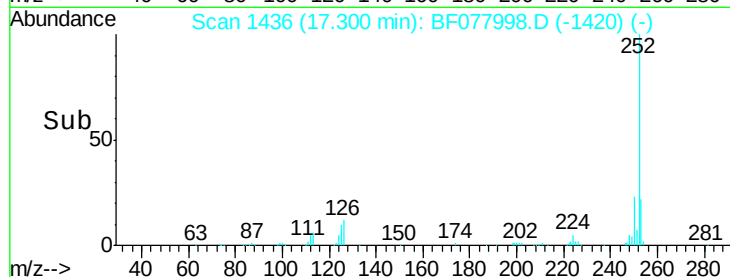
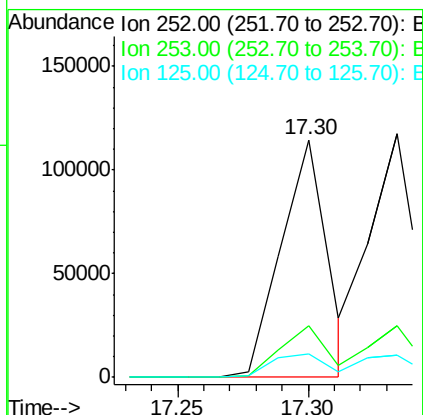
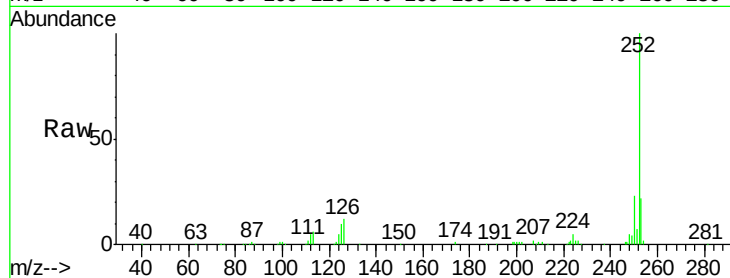




#87
Benzo(b)fluoranthene
Concen: 15.33 ng
RT: 17.30 min Scan# 1436
Delta R.T. -0.11 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

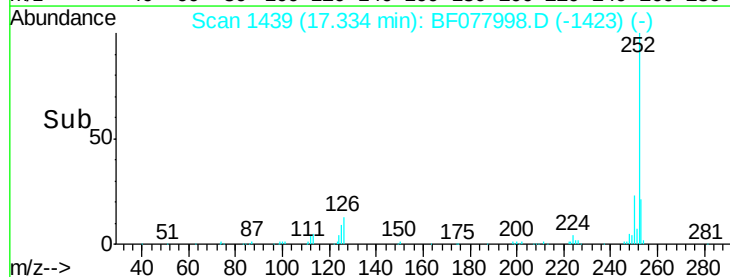
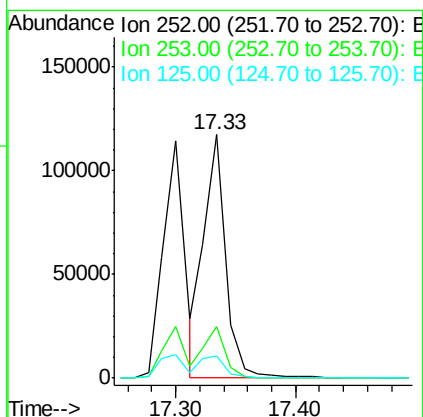
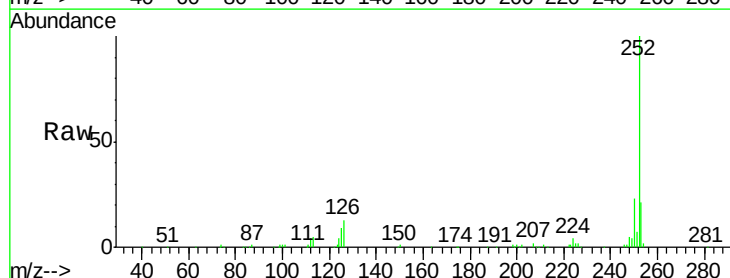
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

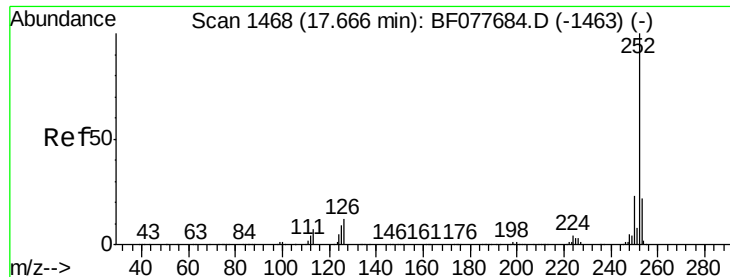
Tgt Ion:252 Resp: 140228
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 9.7 9.9 14.9#



#88
Benzo(k)fluoranthene
Concen: 20.94 ng m
RT: 17.33 min Scan# 1439
Delta R.T. -0.11 min
Lab File: BF077998.D
Acq: 26 Mar 2015 16:36

Tgt Ion:252 Resp: 149648
Ion Ratio Lower Upper
252 100
253 21.0 17.2 25.8
125 8.9 8.1 12.1





#89

Benzo(a)pyrene

Concen: 18.49 ng

RT: 17.70 min Scan# 1471

Delta R.T. -0.13 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

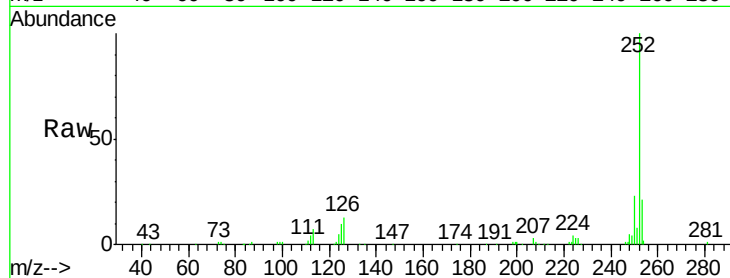
Tgt Ion:252 Resp: 141154

Ion Ratio Lower Upper

252 100

253 21.0 17.6 26.4

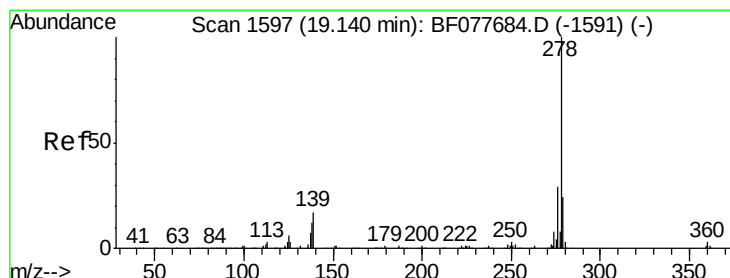
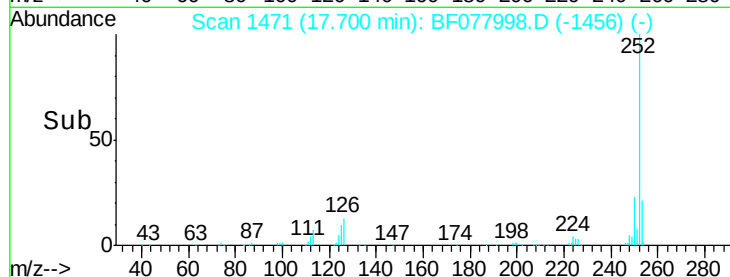
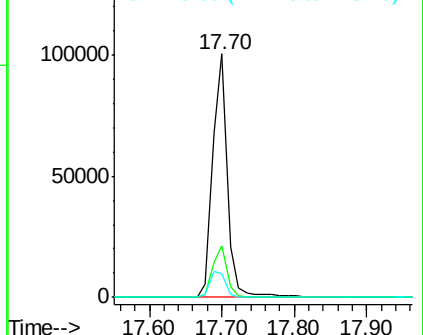
125 9.9 7.4 11.2



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: 17.13 ng

RT: 19.16 min Scan# 1599

Delta R.T. -0.18 min

Lab File: BF077998.D

Acq: 26 Mar 2015 16:36

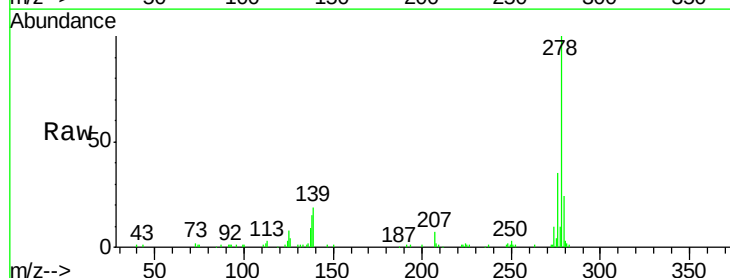
Tgt Ion:278 Resp: 129753

Ion Ratio Lower Upper

278 100

139 19.0 13.4 20.0

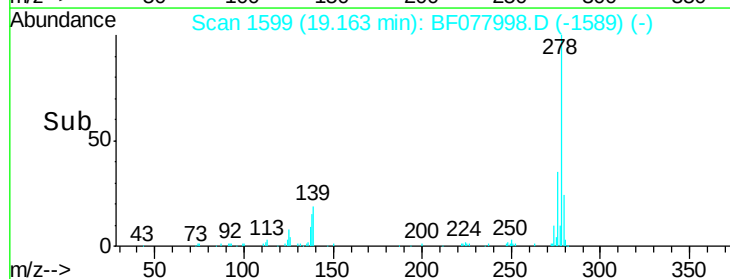
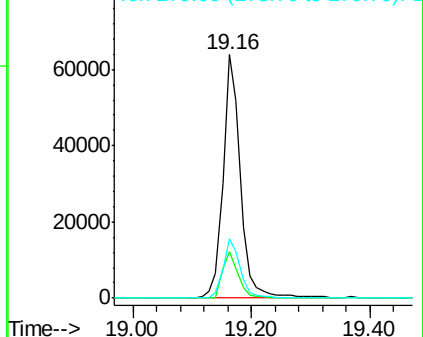
279 24.5 19.0 28.4

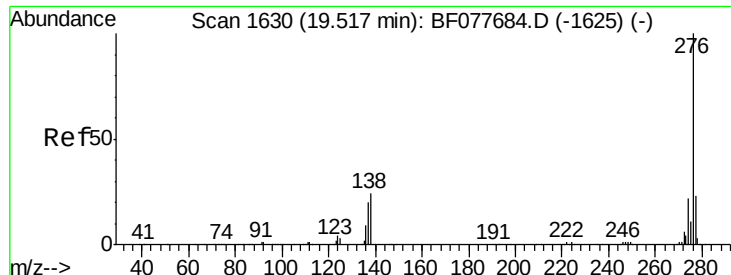


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 17.29 ng

RT: 19.54 min Scan# 1632

Delta R.T. -0.17 min

Lab File: BF077998.D

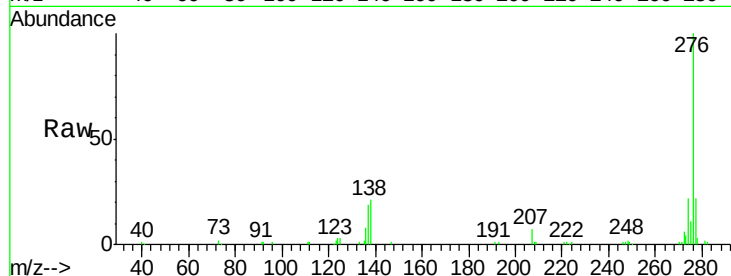
Acq: 26 Mar 2015 16:36

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02



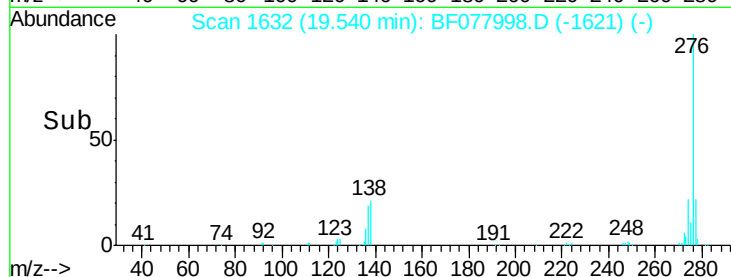
Tgt Ion: 276 Resp: 133256

Ion Ratio Lower Upper

276 100

277 22.4 18.5 27.7

138 21.4 19.0 28.6



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

