

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033115\
 Data File : BF078111.D
 Acq On : 31 Mar 2015 13:29
 Operator : TP/IZ
 Sample : G1614-04
 Misc : LOQ-SOIL-20PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Apr 01 00:14:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 00:51:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	37414	20.00	ng	0.00
21) Naphthalene-d8	8.62	136	158675	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	80389	20.00	ng	0.01
63) Phenanthrene-d10	12.63	188	158804	20.00	ng	0.00
75) Chrysene-d12	0.00	240	0	0.00	ng	-15.89
86) Perylene-d12	0.00	264	0	0.00	ng	-17.61

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	357822	166.94	ng	0.00
7) Phenol-d6	6.64	99	423305	159.85	ng	0.00
23) Nitrobenzene-d5	7.74	82	266202	109.97	ng	0.00
41) 2,4,6-Tribromophenol	11.78	330	117297	152.50	ng	0.01
44) 2-Fluorobiphenyl	9.97	172	575077	105.13	ng	0.00
78) Terphenyl-d14	14.64	244	690735	0.00	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.92	88	19452	19.99	ng	# 100
3) Pyridine	2.59	79	48380	18.50	ng	98
4) n-Nitrosodimethylamine	2.51	42	14469	12.71	ng	94
6) Aniline	6.64	93	75439	19.92	ng	# 74
8) 2-Chlorophenol	6.78	128	56091	21.98	ng	91
9) Benzaldehyde	6.49	77	42580	39.25	ng	99
10) Phenol	6.66	94	67498	21.56	ng	# 67
11) bis(2-Chloroethyl)ether	6.74	93	50294	21.45	ng	92
12) 1,3-Dichlorobenzene	6.97	146	59158	20.85	ng	100
13) 1,4-Dichlorobenzene	7.07	146	60072	20.37	ng	99
14) 1,2-Dichlorobenzene	7.25	146	55690	20.60	ng	97
15) Benzyl Alcohol	7.24	79	46975	22.72	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.41	45	65065	20.59	ng	97
17) 2-Methylphenol	7.40	107	43010	20.71	ng	97
18) Hexachloroethane	7.66	117	20095	20.78	ng	96
19) n-Nitroso-di-n-propylamine	7.57	70	36880	20.13	ng	# 95
20) 3+4-Methylphenols	7.60	107	57628	21.14	ng	98
22) Acetophenone	7.56	105	75780	21.57	ng	# 91
24) Nitrobenzene	7.77	77	56760	21.77	ng	# 89
25) Isophorone	8.06	82	99425	20.34	ng	93
26) 2-Nitrophenol	8.16	139	25205	19.74	ng	# 78
27) 2,4-Dimethylphenol	8.24	122	49463	21.27	ng	95
28) bis(2-Chloroethoxy)methane	8.35	93	64414	21.71	ng	100
29) 2,4-Dichlorophenol	8.46	162	48181	21.73	ng	98
30) 1,2,4-Trichlorobenzene	8.56	180	48661	19.62	ng	98
31) Naphthalene	8.65	128	163591	20.07	ng	100
32) Benzoic acid	8.35	122	20032	17.54	ng	88
33) 4-Chloroaniline	8.74	127	65006	19.65	ng	99
34) Hexachlorobutadiene	8.81	225	27950	19.88	ng	97
35) Caprolactam	9.14	113	13293	20.52	ng	87
36) 4-Chloro-3-methylphenol	9.36	107	46593	20.89	ng	96
37) 2-Methylnaphthalene	9.50	142	110353	20.16	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.71	216	48192	20.10	ng	# 100
40) Hexachlorocyclopentadiene	9.70	237	18795	18.21	ng	99

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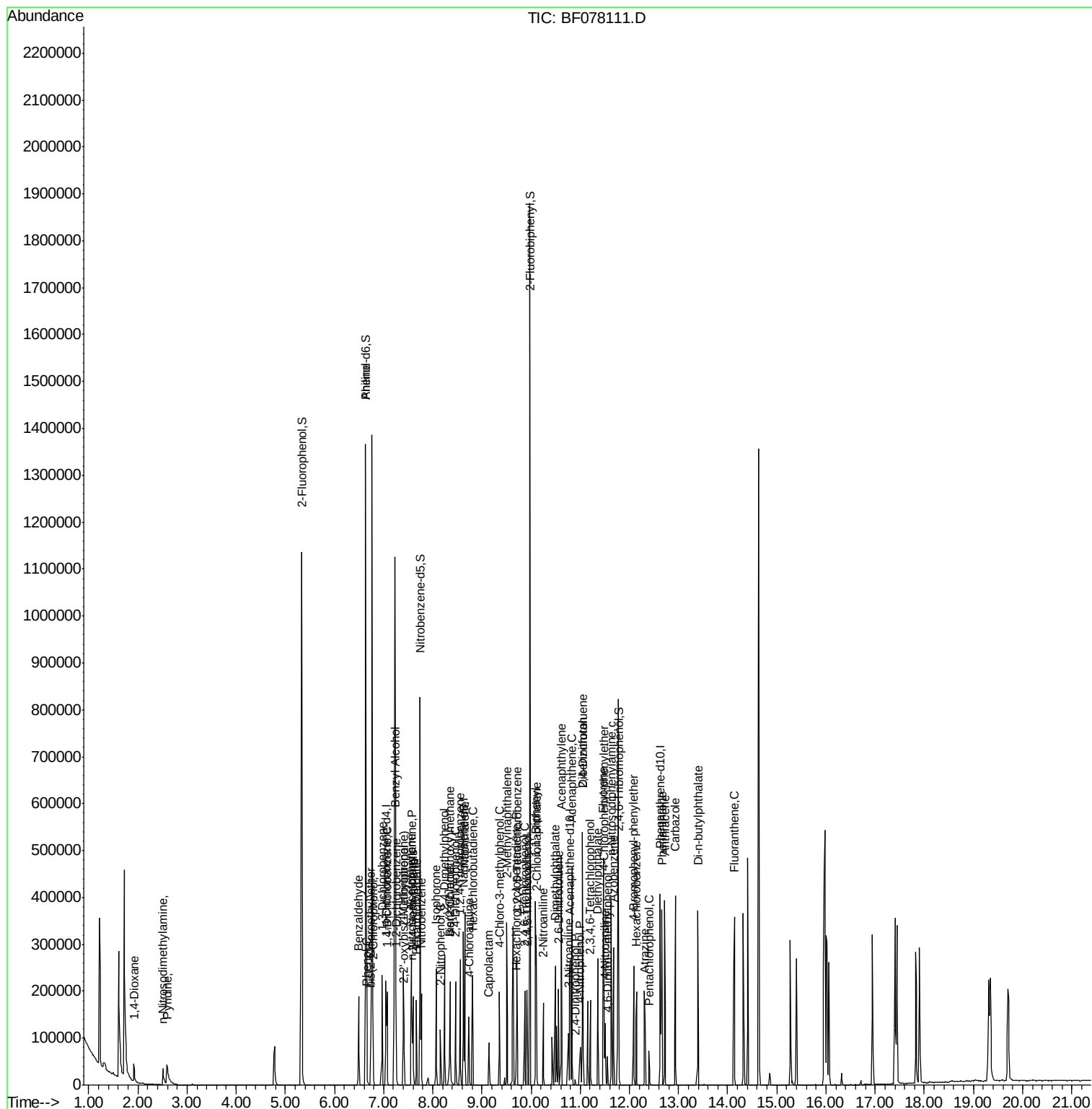
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.87	196	32174	19.37	ng	99
43) 2,4,5-Trichlorophenol	9.92	196	35298	19.67	ng	# 91
45) 1,1'-Biphenyl	10.09	154	135683	21.11	ng	97
46) 2-Chloronaphthalene	10.11	162	108576	20.79	ng	98
47) 2-Nitroaniline	10.25	65	27076	20.88	ng	97
48) Acenaphthylene	10.61	152	169645	19.53	ng	99
49) Dimethylphthalate	10.49	163	126635	21.24	ng	99
50) 2,6-Dinitrotoluene	10.56	165	26114	21.13	ng	95
51) Acenaphthene	10.83	154	101405	20.37	ng	99
52) 3-Nitroaniline	10.76	138	27735	19.32	ng	100
53) 2,4-Dinitrophenol	10.90	184	2710	13.43	ng	# 80
54) Dibenzofuran	11.05	168	156877	21.24	ng	99
55) 4-Nitrophenol	11.00	139	18363	17.27	ng	93
56) 2,4-Dinitrotoluene	11.05	165	34271	21.27	ng	96
57) Fluorene	11.47	166	127572	20.80	ng	100
58) 2,3,4,6-Tetrachlorophenol	11.21	232	27254	19.73	ng	# 100
59) Diethylphthalate	11.36	149	120112	20.68	ng	96
60) 4-Chlorophenyl-phenylether	11.48	204	58083	20.75	ng	93
61) 4-Nitroaniline	11.51	138	28893	20.20	ng	# 77
62) Azobenzene	11.68	77	115787	20.85	ng	94
64) 4,6-Dinitro-2-methylphenol	11.55	198	9520	15.86	ng	91
65) n-Nitrosodiphenylamine	11.63	169	107833	20.39	ng	98
66) 4-Bromophenyl-phenylether	12.09	248	35630	21.02	ng	# 92
67) Hexachlorobenzene	12.15	284	37072	19.91	ng	97
68) Atrazine	12.32	200	34524	23.30	ng	99
69) Pentachlorophenol	12.40	266	11854	14.77	ng	95
70) Phenanthrene	12.66	178	185806	20.38	ng	99
71) Anthracene	12.72	178	184304	20.46	ng	99
72) Carbazole	12.93	167	174143	20.33	ng	98
73) Di-n-butylphthalate	13.39	149	201135	20.94	ng	99
74) Fluoranthene	14.13	202	201119	20.00	ng	99

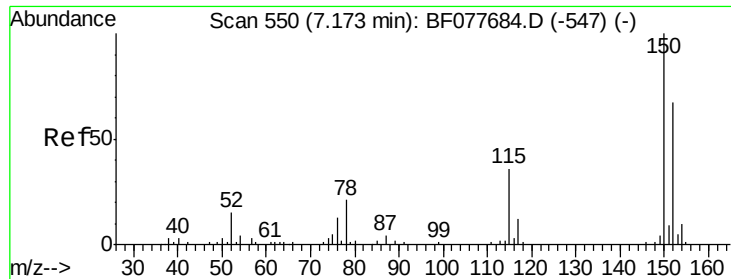
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.05 min Scan# 539

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

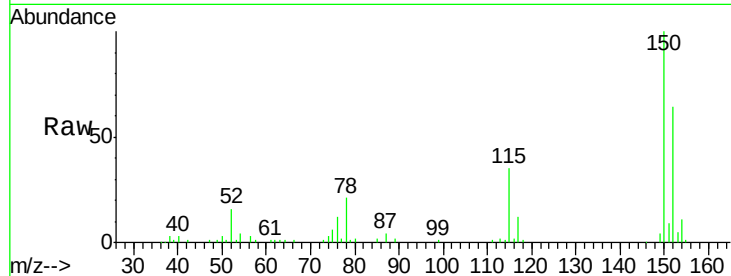
Tgt Ion:152 Resp: 37414

Ion Ratio Lower Upper

152 100

150 155.7 119.5 179.3

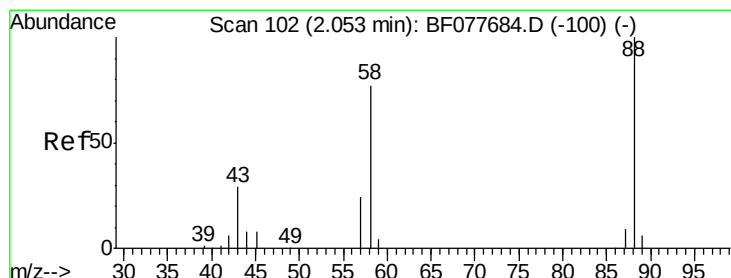
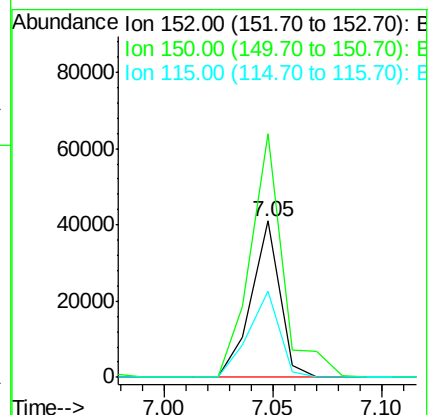
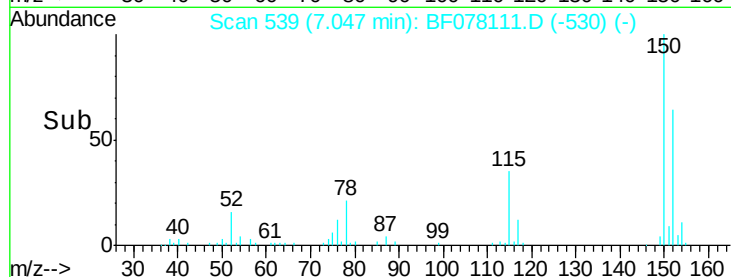
115 55.1 43.0 64.4



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: 19.99 ng

RT: 1.92 min Scan# 90

Delta R.T. 0.02 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

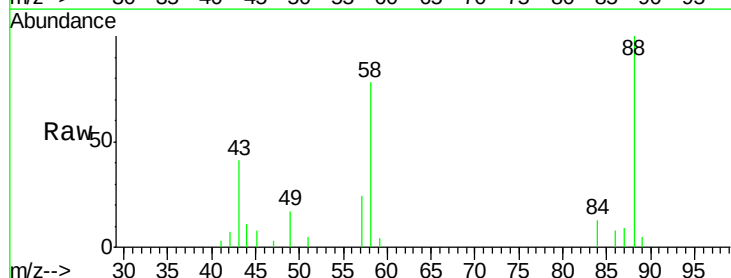
Tgt Ion: 88 Resp: 19452

Ion Ratio Lower Upper

88 100

58 70.1 0.0 0.0#

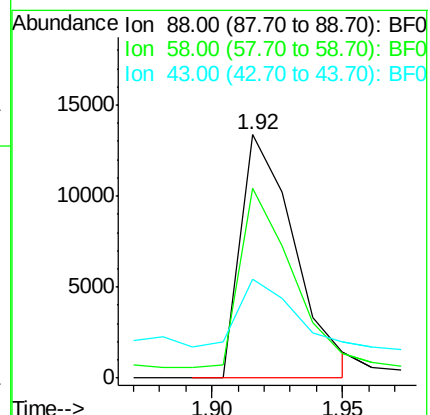
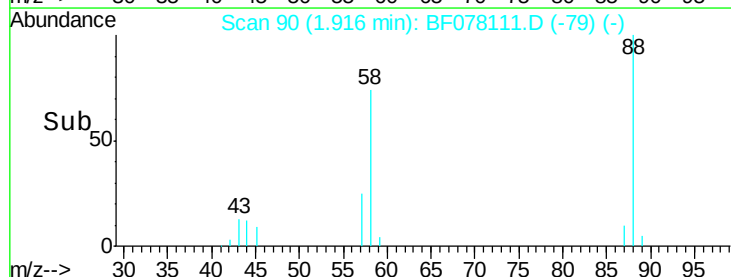
43 27.7 0.0 0.0#

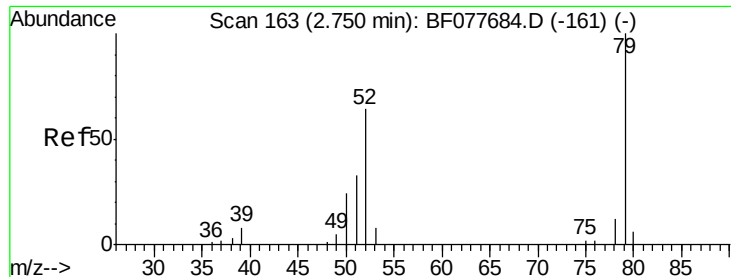


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 18.50 ng

RT: 2.59 min Scan# 149

Delta R.T. 0.06 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

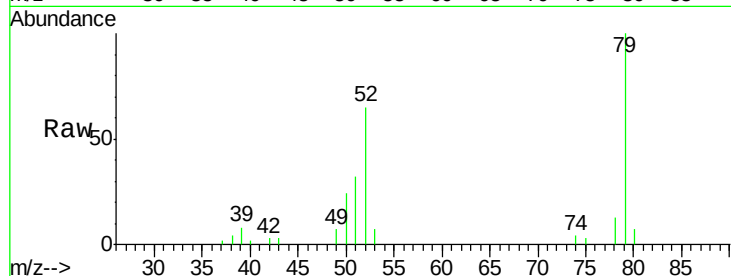
Tgt Ion: 79 Resp: 48380

Ion Ratio Lower Upper

79 100

52 65.5 51.1 76.7

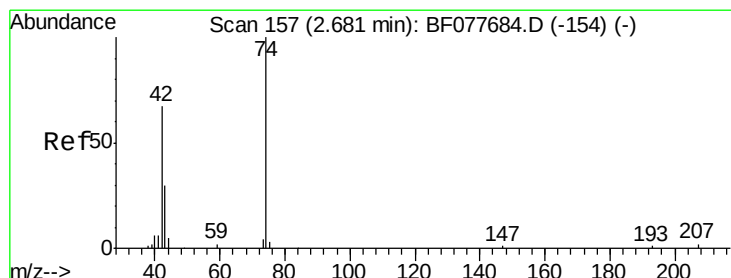
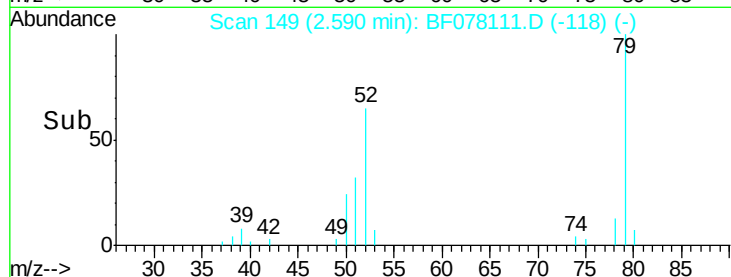
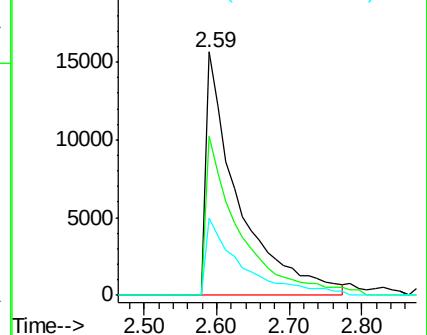
51 31.9 26.1 39.1



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: 12.71 ng

RT: 2.51 min Scan# 142

Delta R.T. 0.03 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

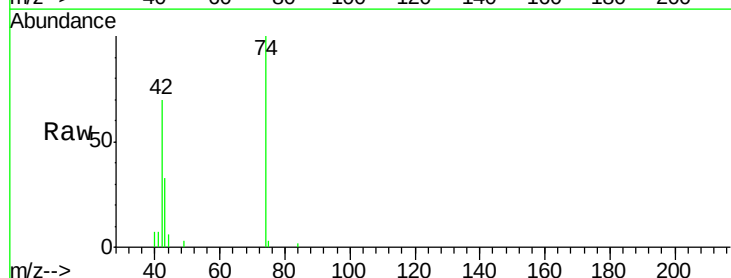
Tgt Ion: 42 Resp: 14469

Ion Ratio Lower Upper

42 100

74 141.9 119.3 178.9

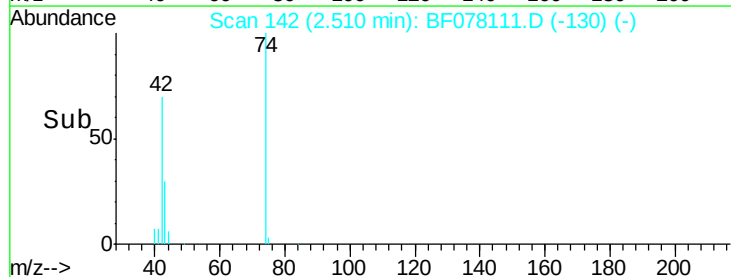
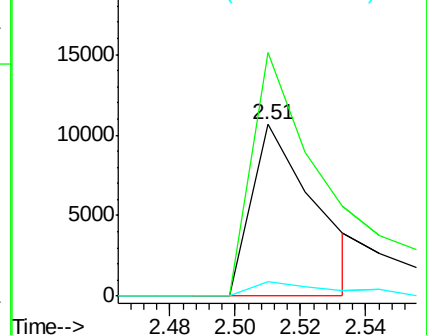
44 8.2 5.4 8.2

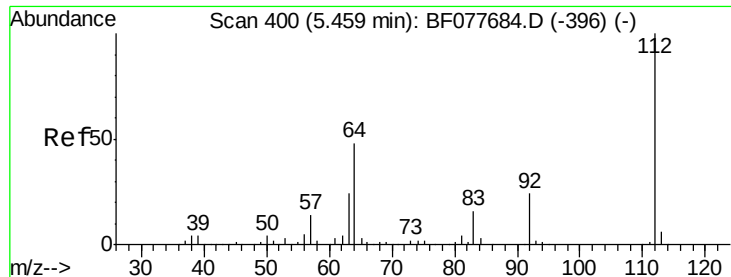


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 166.94 ng

RT: 5.33 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

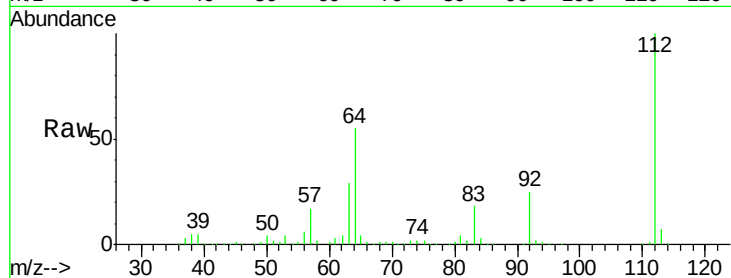
Instrument :

BNA_F

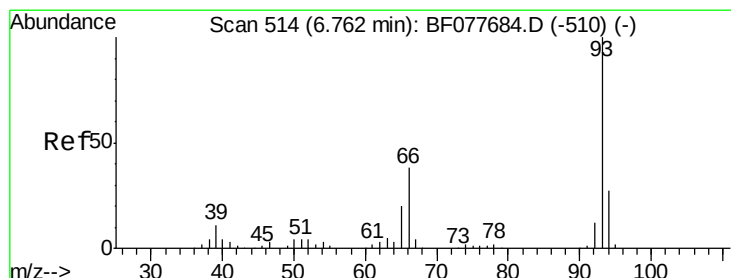
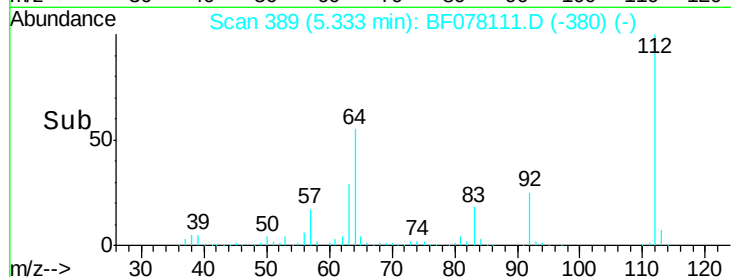
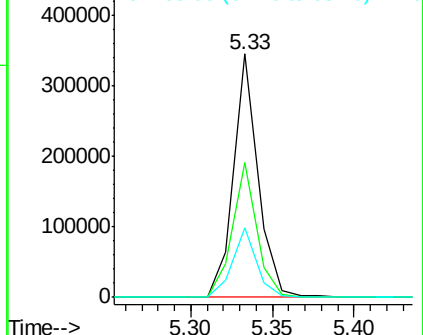
ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:	112	Resp:	357822
Ion	Ratio	Lower	Upper
112	100		
64	55.2	38.6	57.8
63	28.7	19.3	28.9



Abundance Ion 112.00 (111.70 to 112.70): E



#6

Aniline

Concen: 19.92 ng

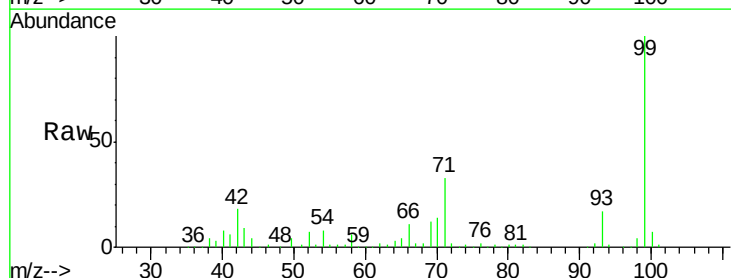
RT: 6.64 min Scan# 503

Delta R.T. 0.00 min

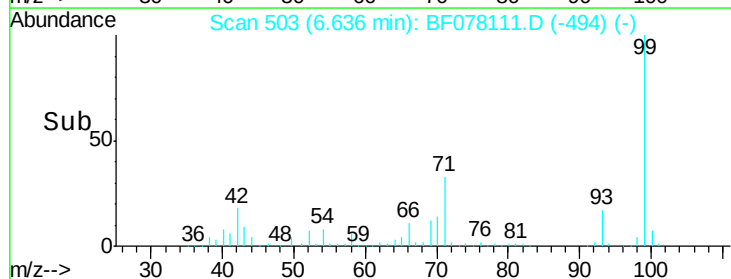
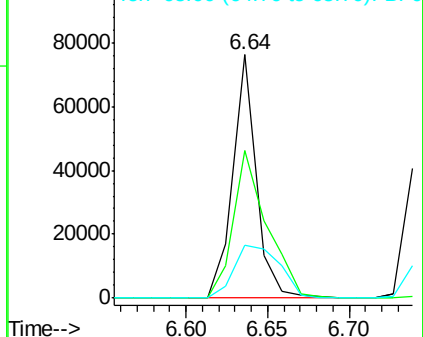
Lab File: BF078111.D

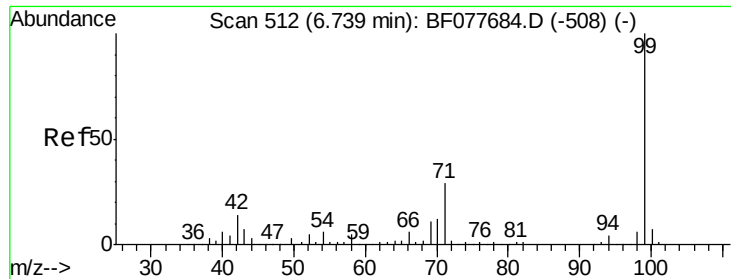
Acq: 31 Mar 2015 13:29

Tgt Ion:	93	Resp:	75439
Ion	Ratio	Lower	Upper
93	100		
66	60.9	30.8	46.2#
65	22.0	16.0	24.0



Abundance Ion 93.00 (92.70 to 93.70): BF0





#7

Phenol-d6

Concen: 159.85 ng

RT: 6.64 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

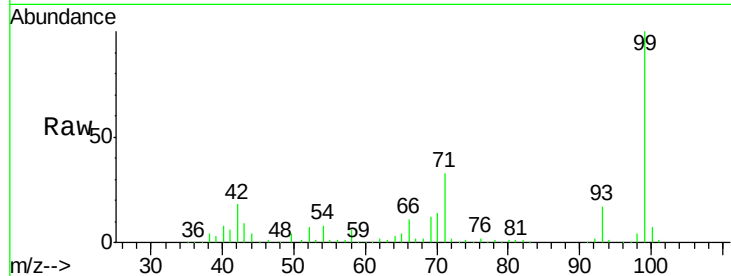
Tgt Ion: 99 Resp: 423305

Ion Ratio Lower Upper

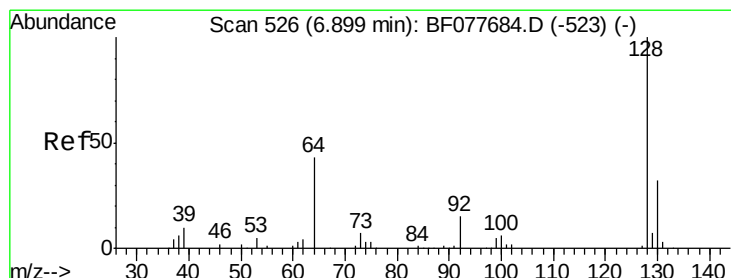
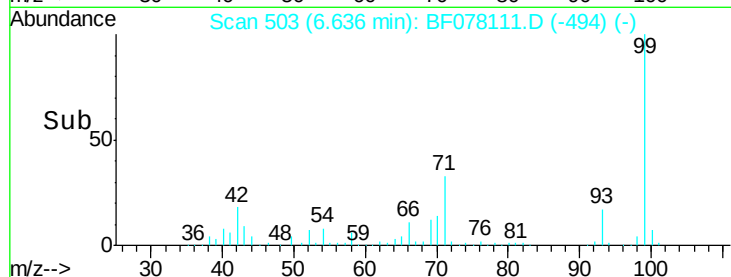
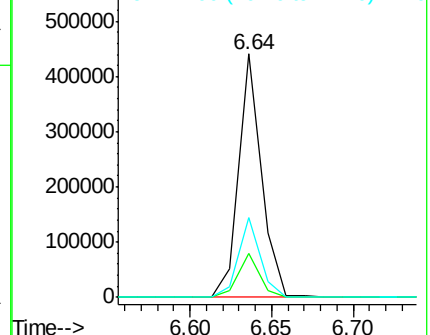
99 100

42 18.2 11.0 16.4#

71 32.7 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: 21.98 ng

RT: 6.78 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

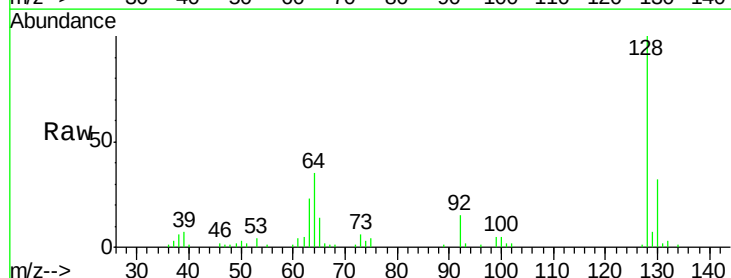
Tgt Ion: 128 Resp: 56091

Ion Ratio Lower Upper

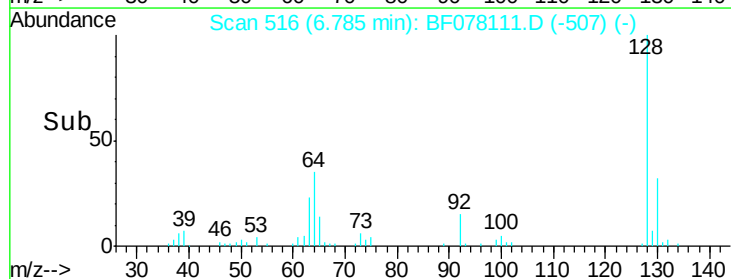
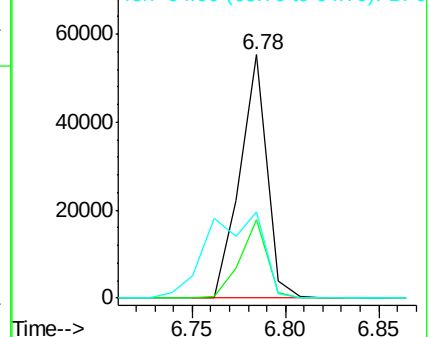
128 100

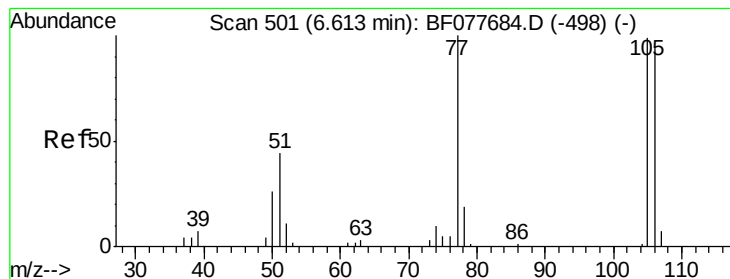
130 32.3 12.0 52.0

64 35.2 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: 39.25 ng

RT: 6.49 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF078111.D

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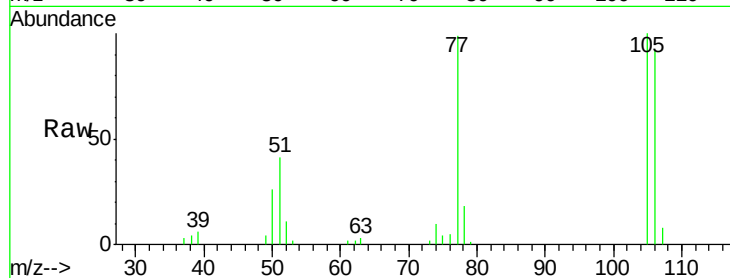
Tgt Ion: 77 Resp: 42580

Ion Ratio Lower Upper

77 100

105 101.5 78.8 118.8

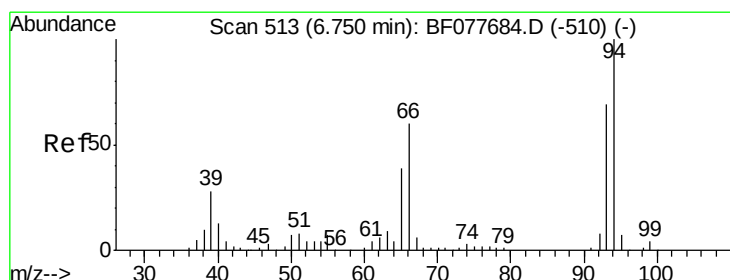
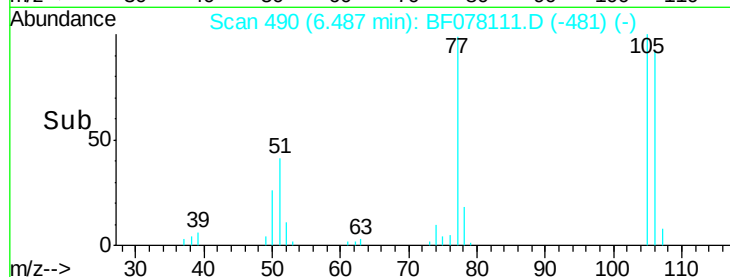
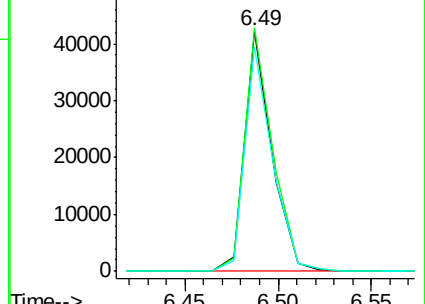
106 93.7 73.7 113.7



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 21.56 ng

RT: 6.66 min Scan# 505

Delta R.T. 0.01 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

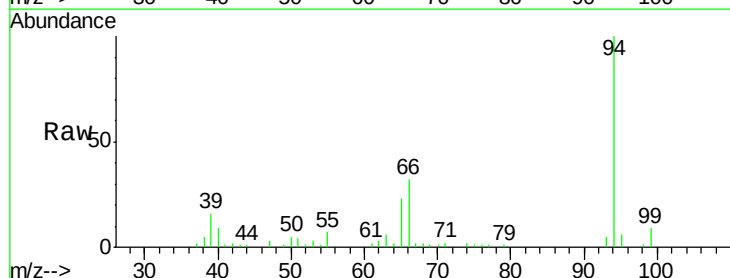
Tgt Ion: 94 Resp: 67498

Ion Ratio Lower Upper

94 100

65 23.0 18.8 58.8

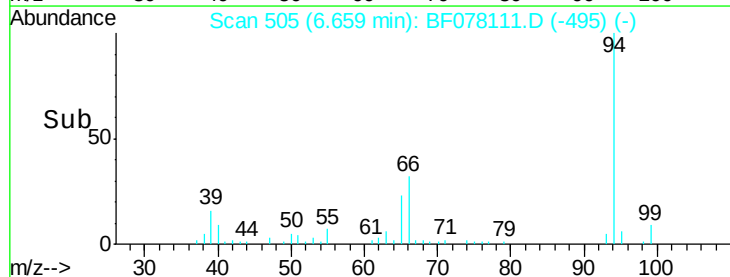
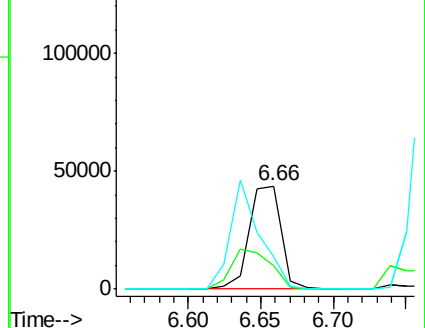
66 31.8 39.9 79.9#

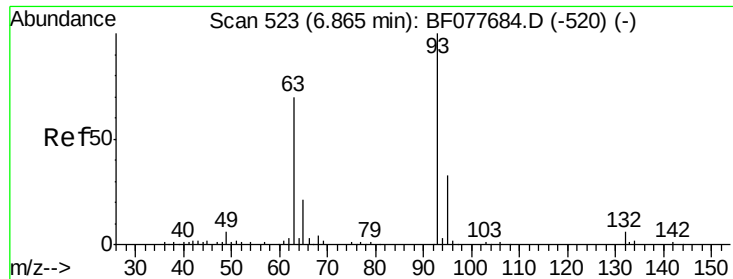


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

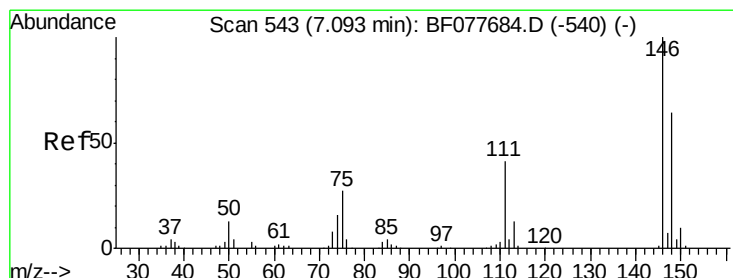
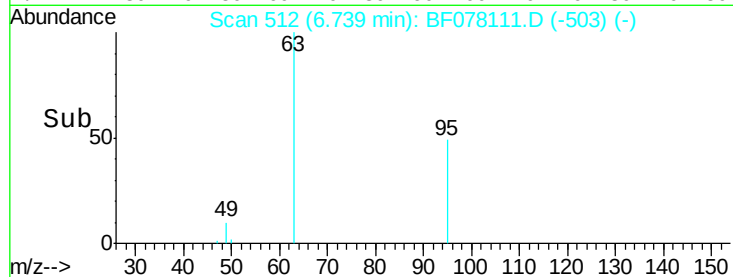
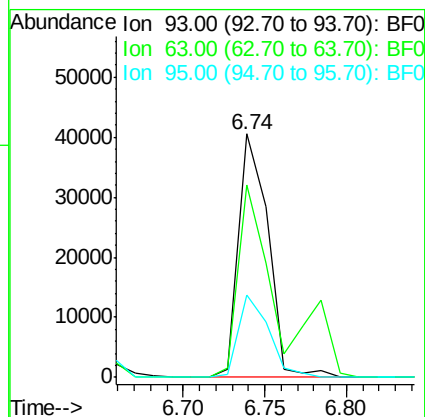
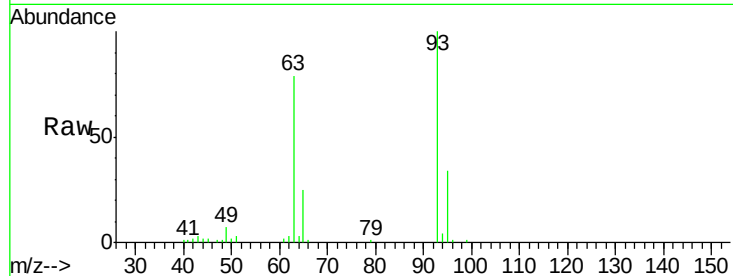




#11
bis(2-Chloroethyl)ether
Concen: 21.45 ng
RT: 6.74 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

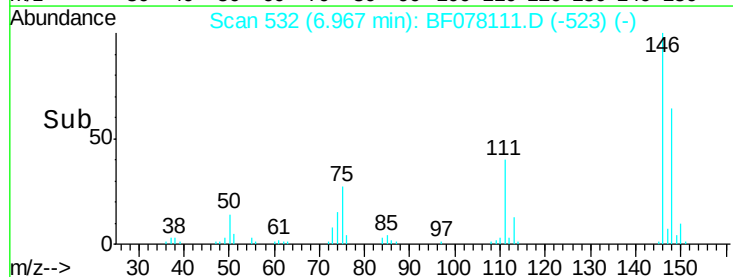
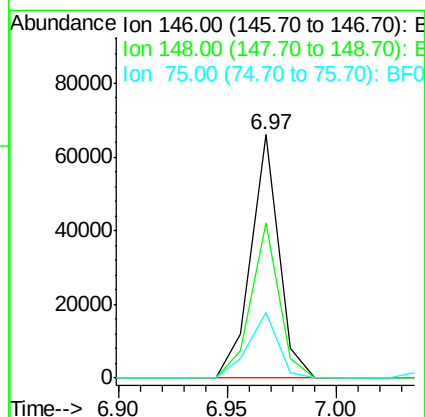
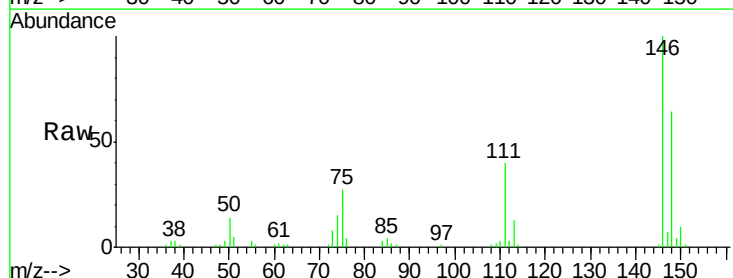
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

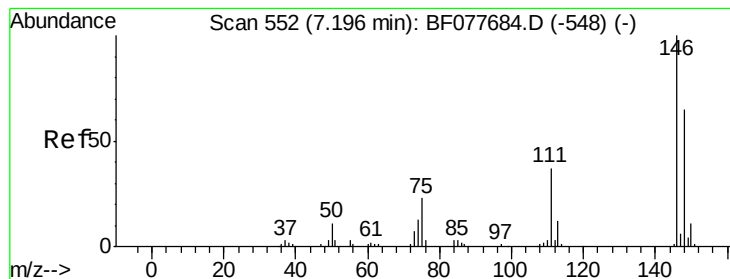
Tgt Ion: 93 Resp: 50294
Ion Ratio Lower Upper
93 100
63 78.9 49.5 89.5
95 33.6 13.5 53.5



#12
1,3-Dichlorobenzene
Concen: 20.85 ng
RT: 6.97 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion: 146 Resp: 59158
Ion Ratio Lower Upper
146 100
148 63.5 50.9 76.3
75 26.8 21.4 32.2

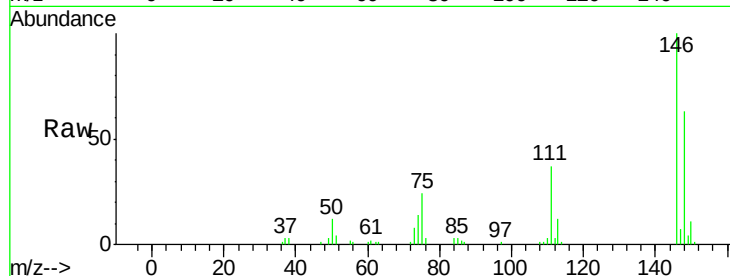




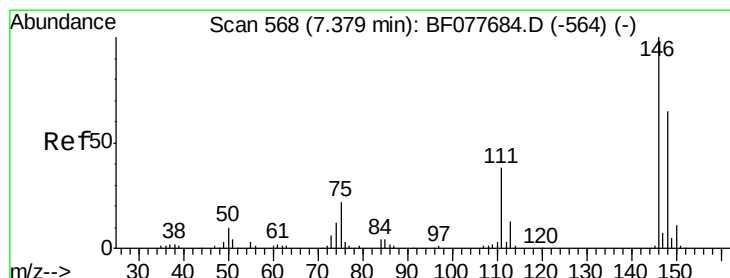
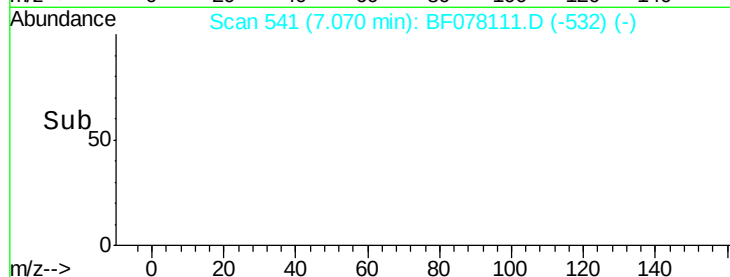
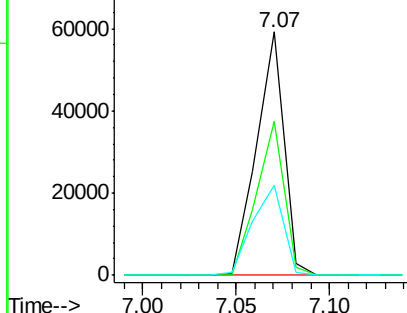
#13
 1,4-Dichlorobenzene
 Concen: 20.37 ng
 RT: 7.07 min Scan# 541
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:146 Resp: 60072
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.9 77.9
 111 36.7 29.2 43.8

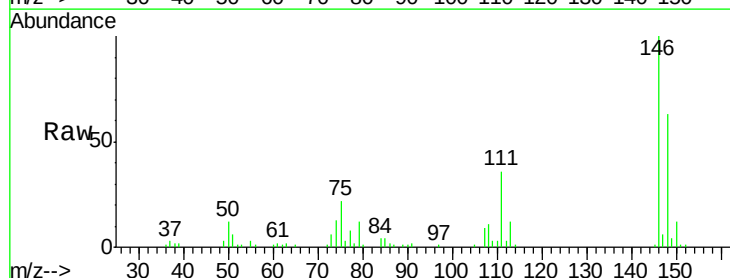


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

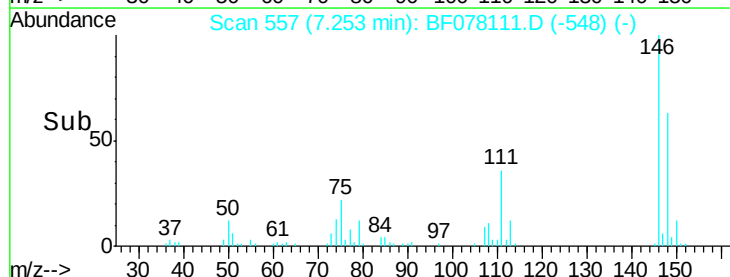
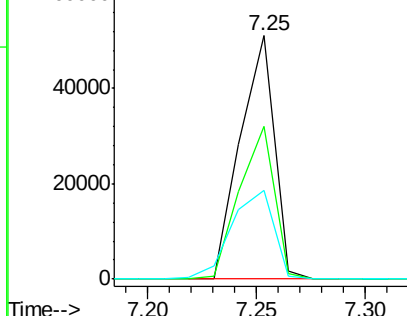


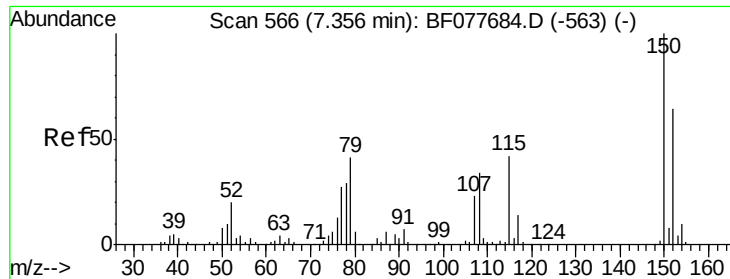
#14
 1,2-Dichlorobenzene
 Concen: 20.60 ng
 RT: 7.25 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:146 Resp: 55690
 Ion Ratio Lower Upper
 146 100
 148 62.7 52.3 78.5
 111 36.4 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

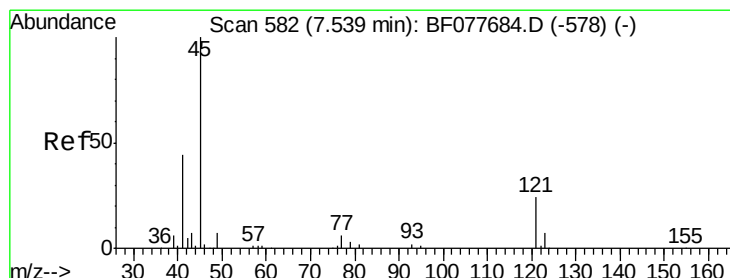
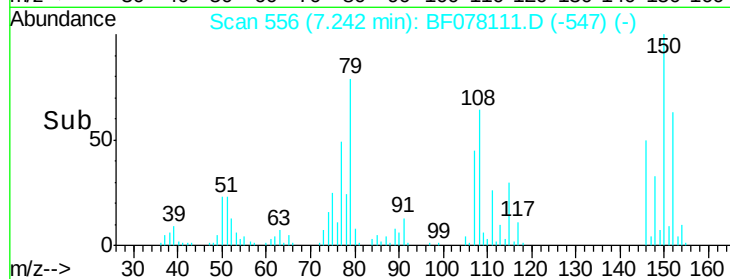
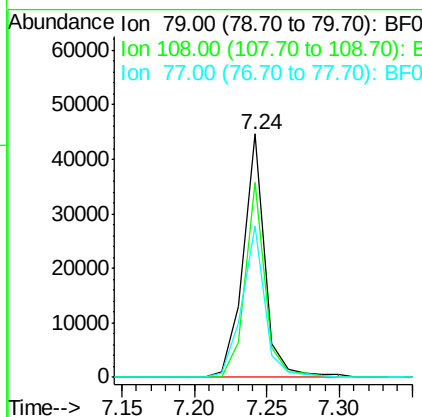
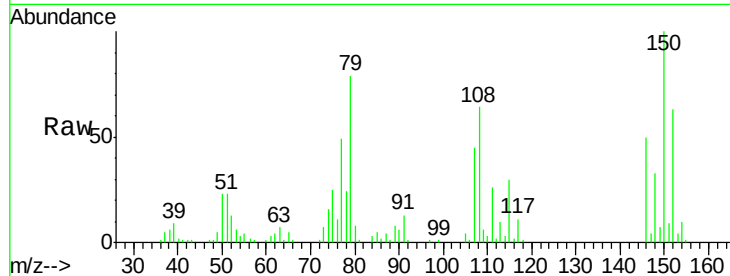




#15
Benzyl Alcohol
Concen: 22.72 ng
RT: 7.24 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

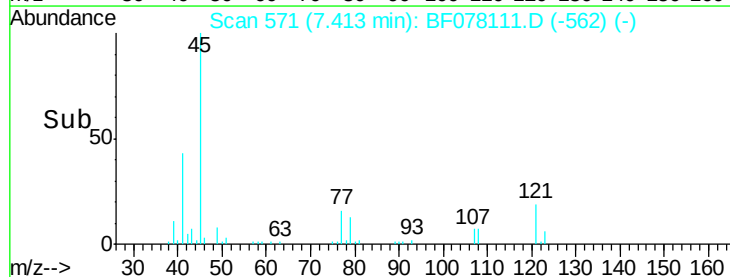
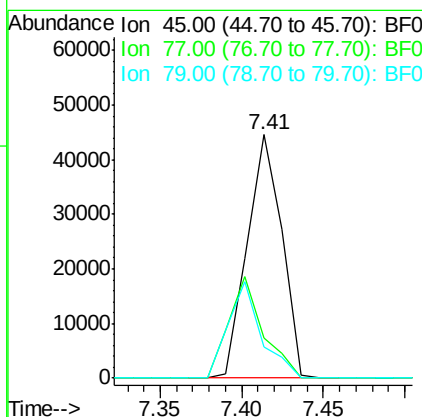
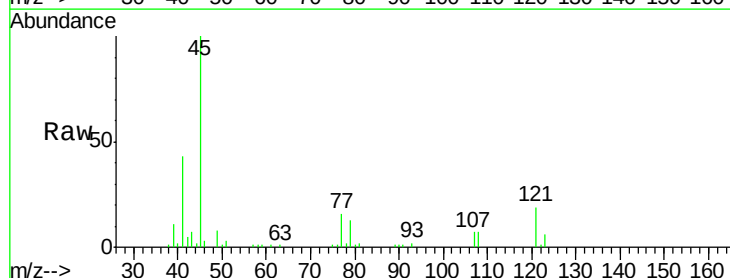
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

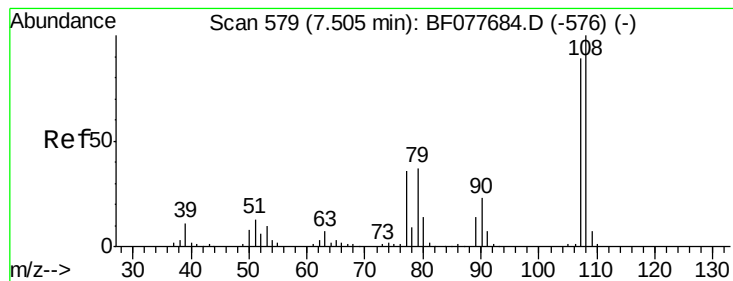
Tgt Ion: 79 Resp: 46975
Ion Ratio Lower Upper
79 100
108 80.3 65.0 97.4
77 62.1 53.0 79.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.59 ng
RT: 7.41 min Scan# 571
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion: 45 Resp: 65065
Ion Ratio Lower Upper
45 100
77 16.4 0.0 35.2
79 12.8 0.0 32.0





#17

2-Methylphenol

Concen: 20.71 ng

RT: 7.40 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:107 Resp: 43010

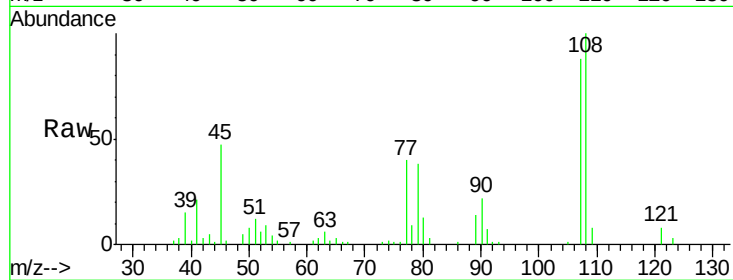
Ion Ratio Lower Upper

107 100

108 113.7 89.8 134.8

77 45.5 32.6 48.8

79 43.2 32.8 49.2

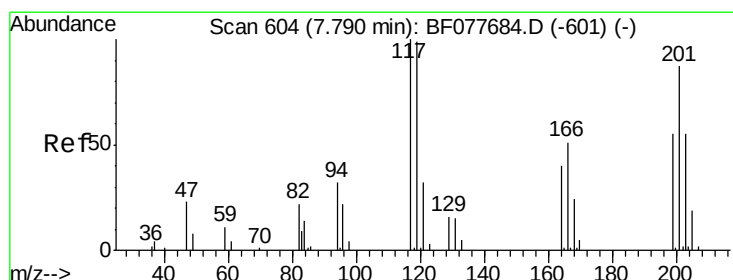
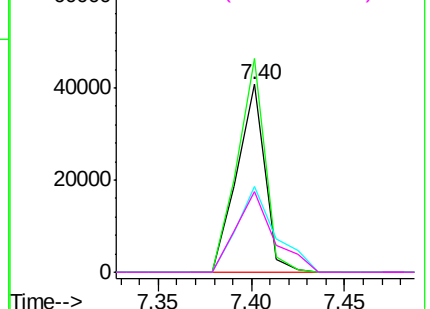
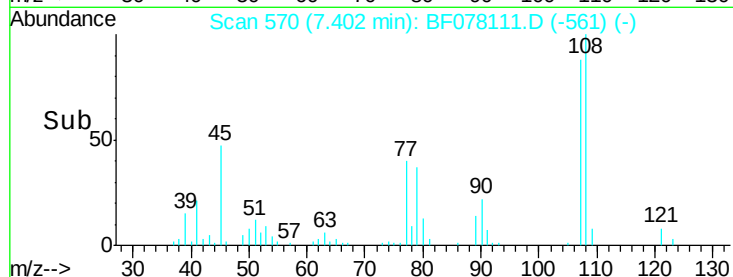


Abundance Ion 107.00 (106.70 to 107.70): E

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: 20.78 ng

RT: 7.66 min Scan# 593

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

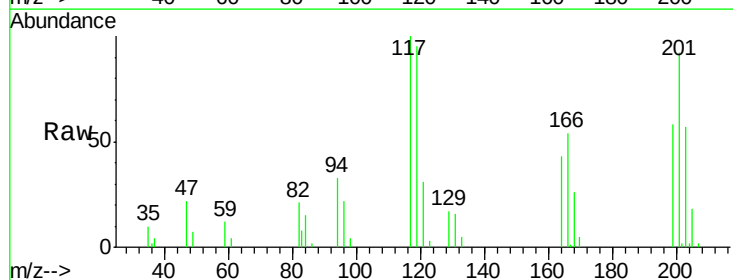
Tgt Ion:117 Resp: 20095

Ion Ratio Lower Upper

117 100

119 94.9 79.2 118.8

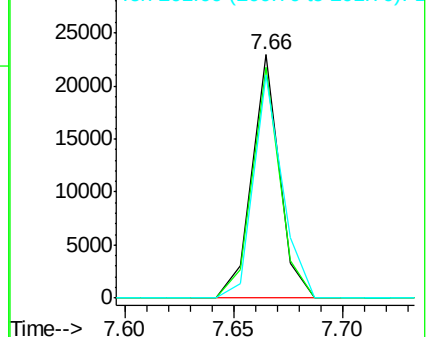
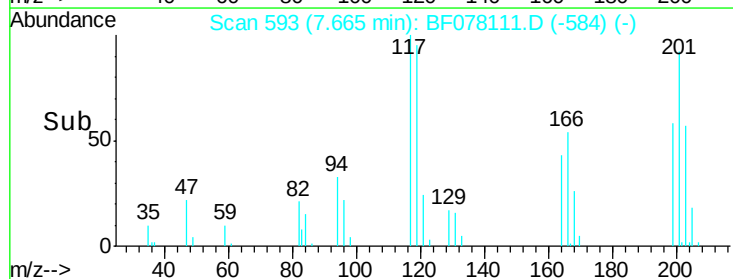
201 91.7 69.8 104.6

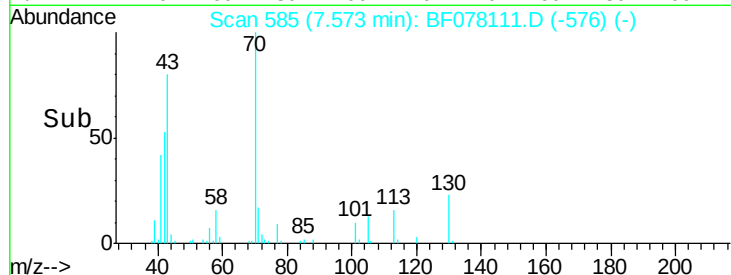
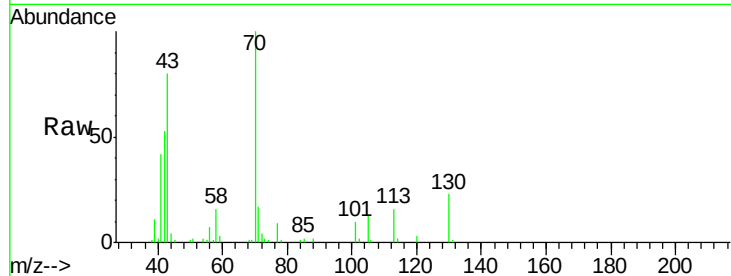
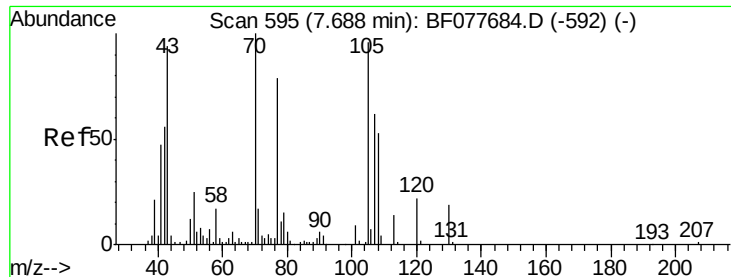


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

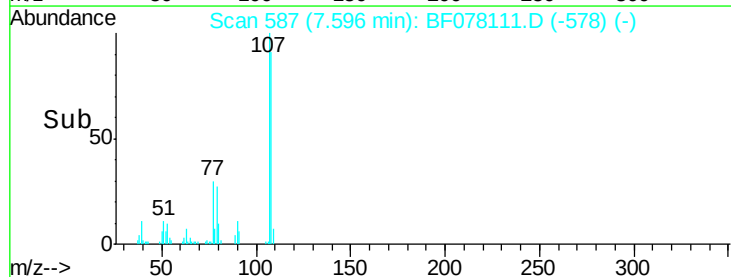
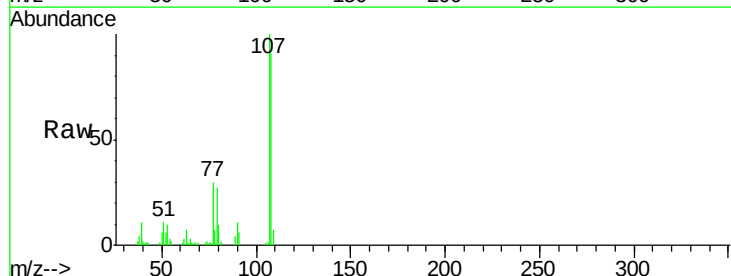
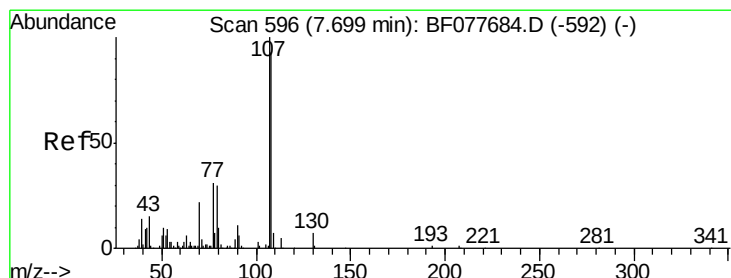
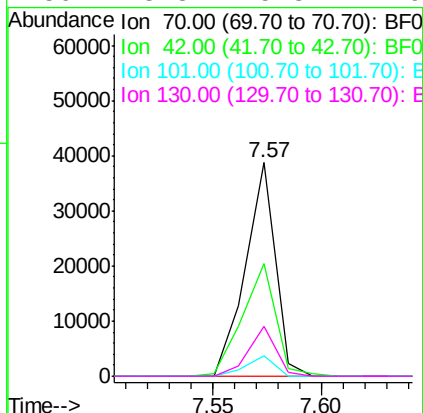




#19
n-Nitroso-di-n-propylamine
Concen: 20.13 ng
RT: 7.57 min Scan# 585
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

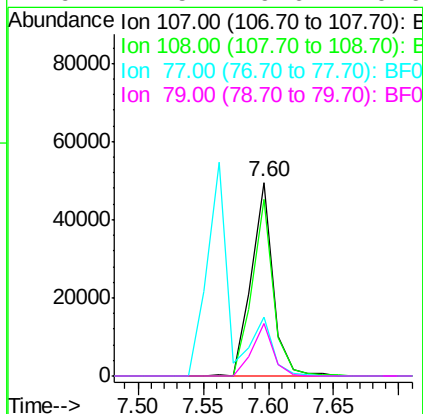
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

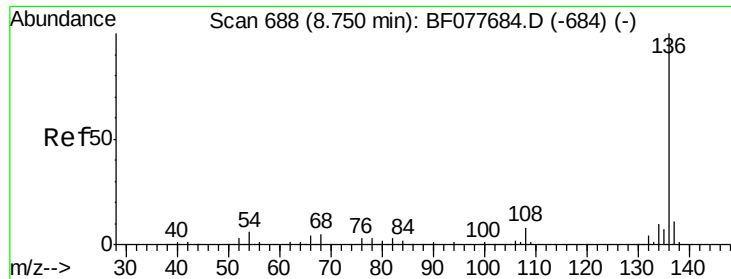
Tgt Ion:	70	Resp:	36880
Ion	Ratio	Lower	Upper
70	100		
42	52.9	44.5	66.7
101	9.8	7.4	11.2
130	23.3	15.3	22.9#



#20
3+4-Methylphenols
Concen: 21.14 ng
RT: 7.60 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion:	107	Resp:	57628
Ion	Ratio	Lower	Upper
107	100		
108	91.5	73.2	113.2
77	30.2	10.7	50.7
79	27.5	9.6	49.6

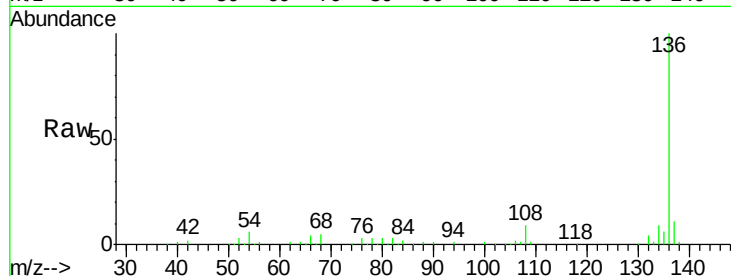




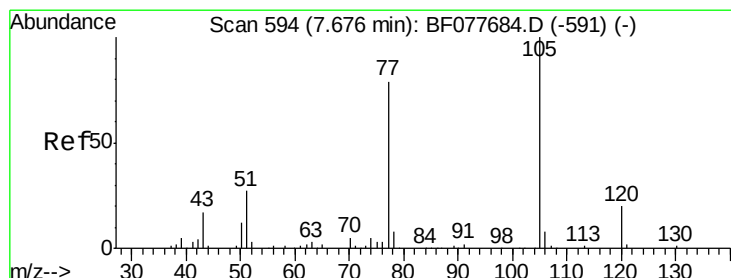
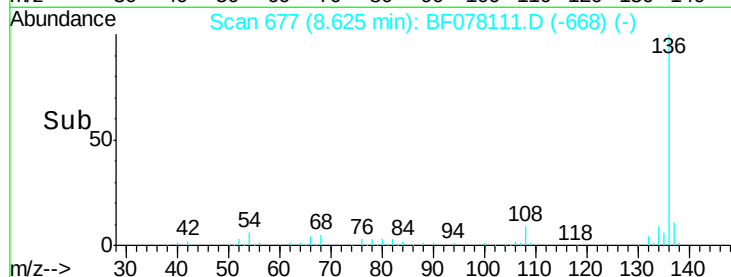
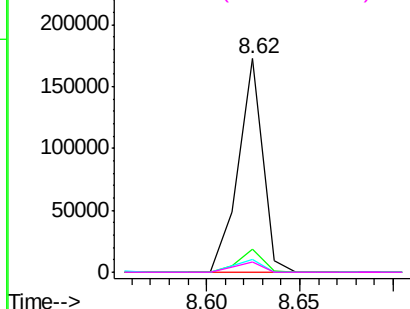
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.62 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	136	Resp:	158675
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	6.0	4.6	6.8
68	5.1	3.7	5.5

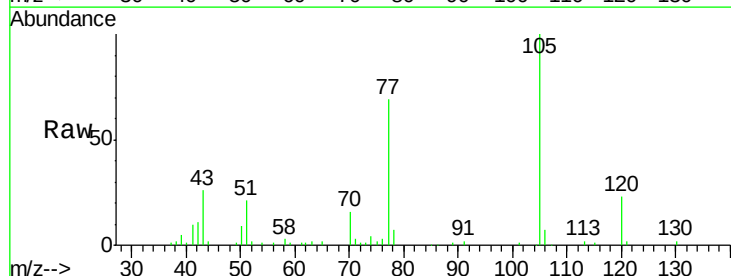


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

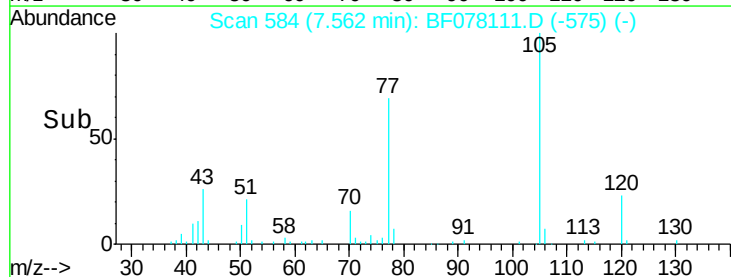
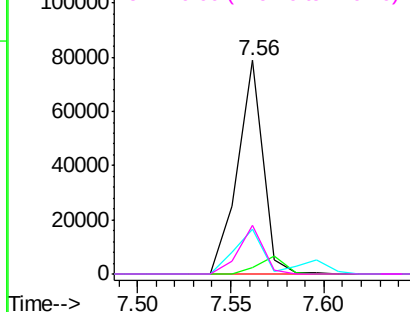


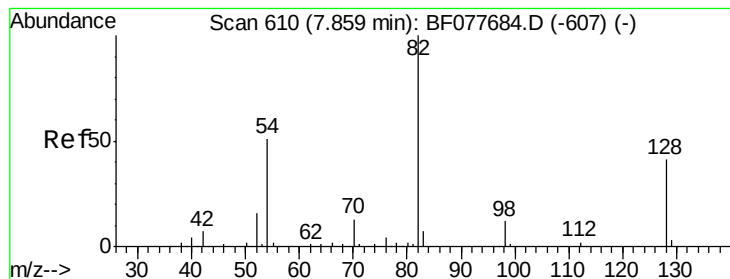
#22
Acetophenone
Concen: 21.57 ng
RT: 7.56 min Scan# 584
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion:	105	Resp:	75780
Ion	Ratio	Lower	Upper
105	100		
71	3.0	0.6	1.0#
51	21.2	21.6	32.4#
120	22.6	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: 109.97 ng

RT: 7.74 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

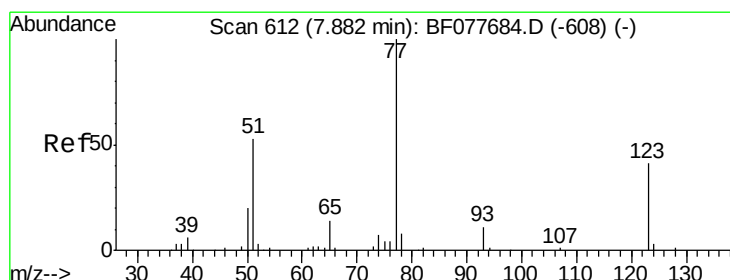
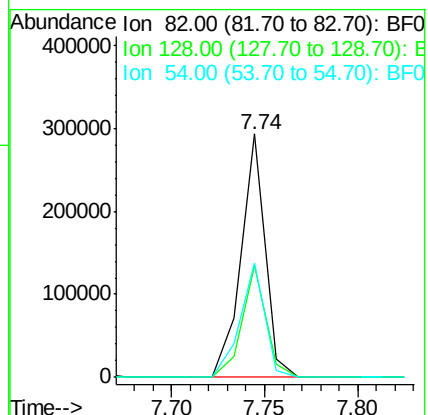
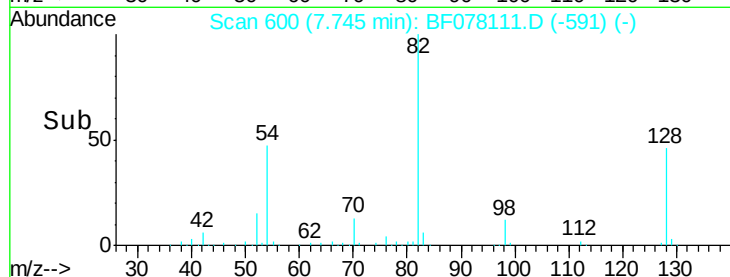
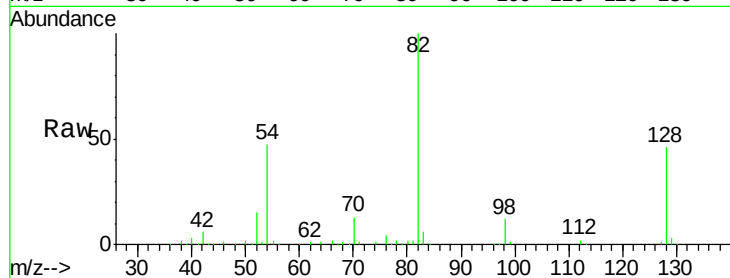
Tgt Ion: 82 Resp: 266202

Ion Ratio Lower Upper

82 100

128 46.1 32.8 49.2

54 46.9 40.6 60.8



#24

Nitrobenzene

Concen: 21.77 ng

RT: 7.77 min Scan# 602

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

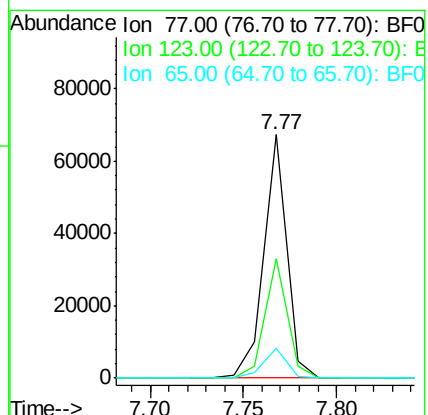
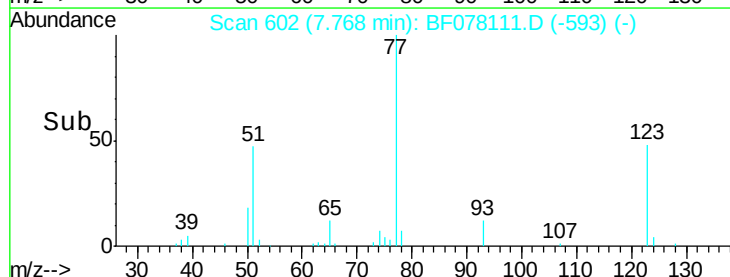
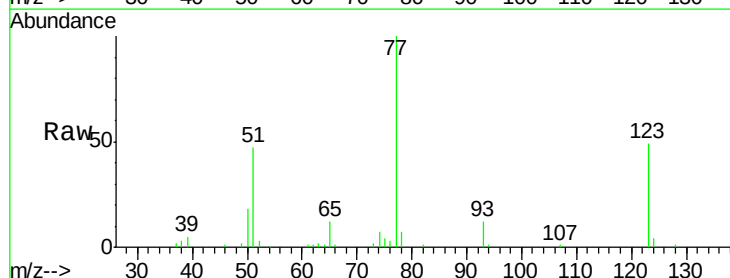
Tgt Ion: 77 Resp: 56760

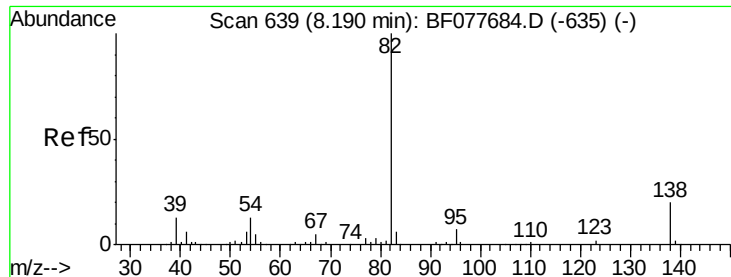
Ion Ratio Lower Upper

77 100

123 49.2 32.6 49.0#

65 12.3 10.9 16.3





#25

Isophorone

Concen: 20.34 ng

RT: 8.06 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

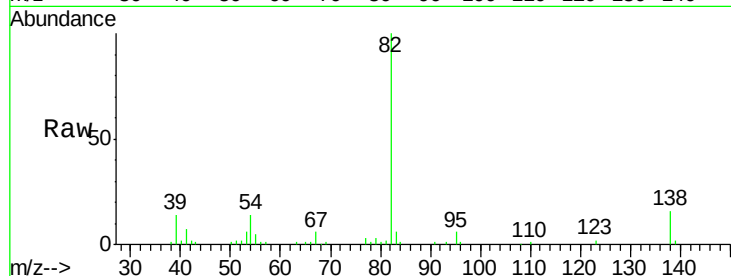
Tgt Ion: 82 Resp: 99425

Ion Ratio Lower Upper

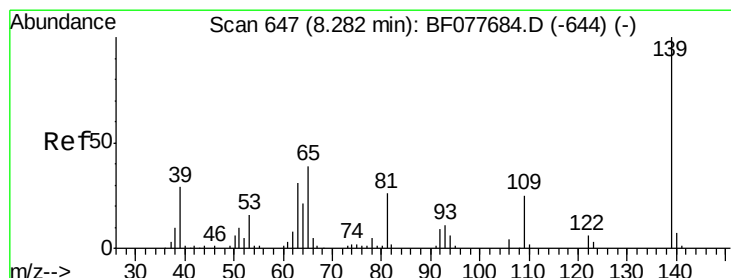
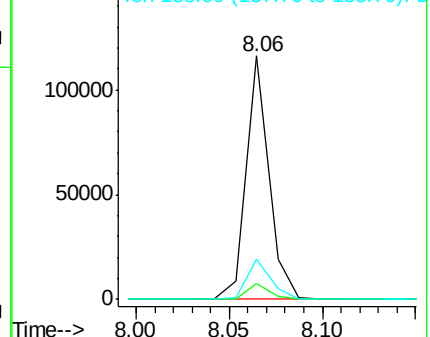
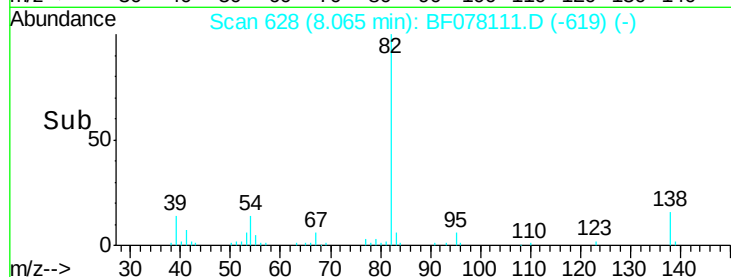
82 100

95 6.2 5.8 8.6

138 16.4 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: 19.74 ng

RT: 8.16 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

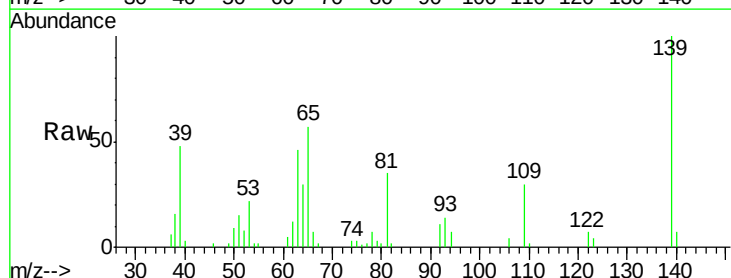
Tgt Ion: 139 Resp: 25205

Ion Ratio Lower Upper

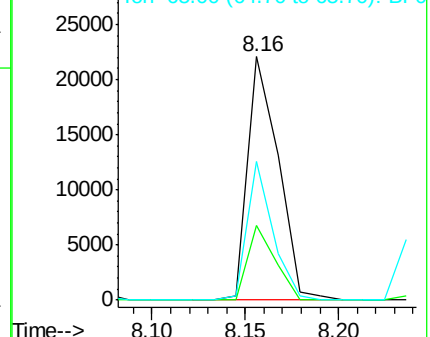
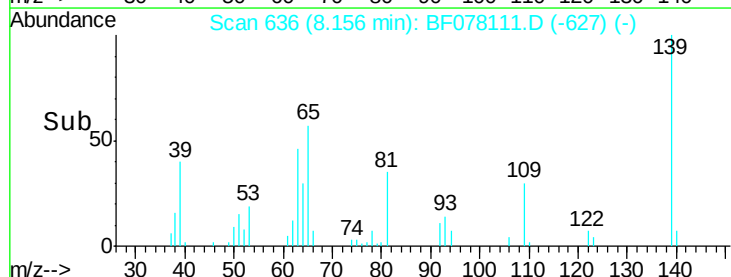
139 100

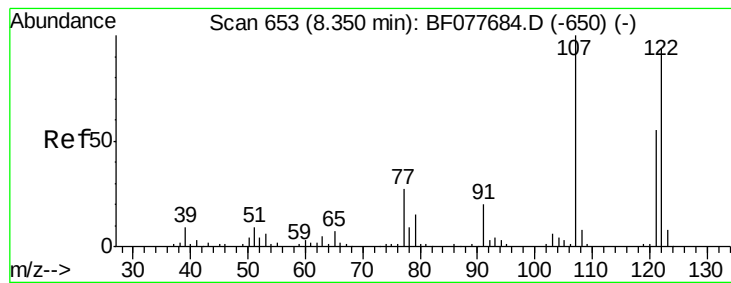
109 30.5 20.1 30.1#

65 56.9 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: 21.27 ng

RT: 8.24 min Scan# 643

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

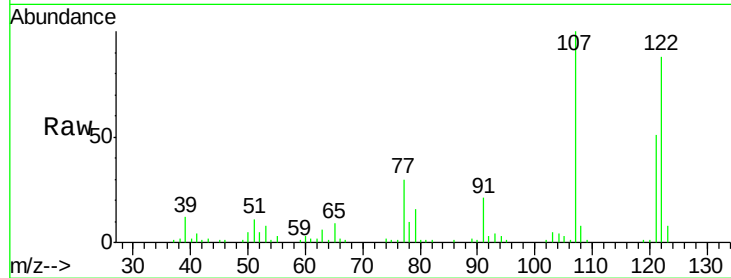
Tgt Ion:122 Resp: 49463

Ion Ratio Lower Upper

122 100

107 113.0 84.7 127.1

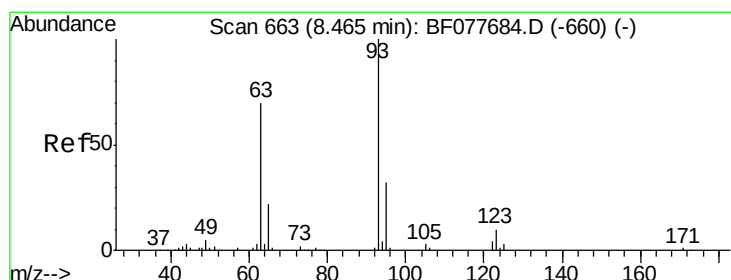
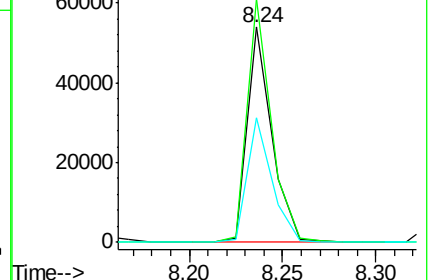
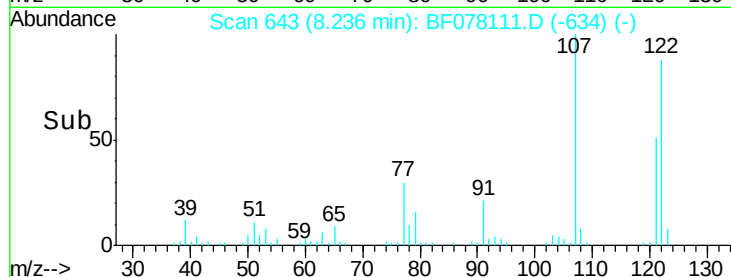
121 57.9 46.6 69.8



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: 21.71 ng

RT: 8.35 min Scan# 653

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

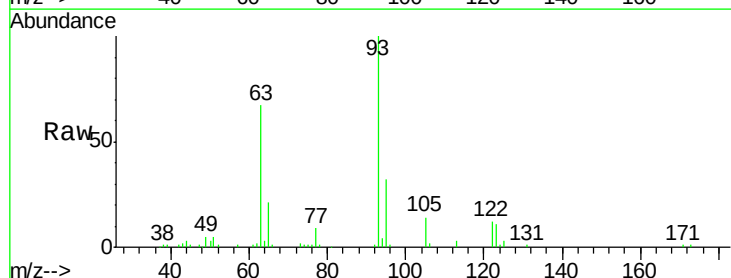
Tgt Ion: 93 Resp: 64414

Ion Ratio Lower Upper

93 100

95 31.9 25.5 38.3

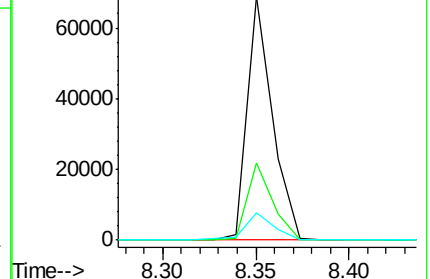
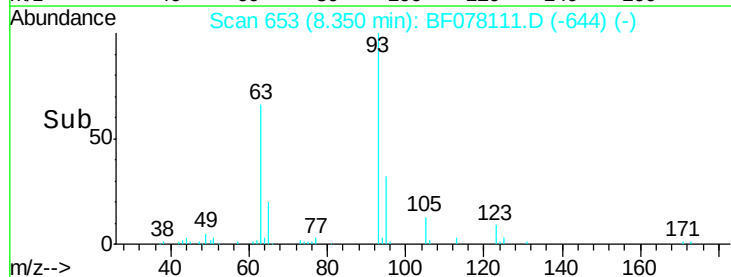
123 11.2 8.6 13.0

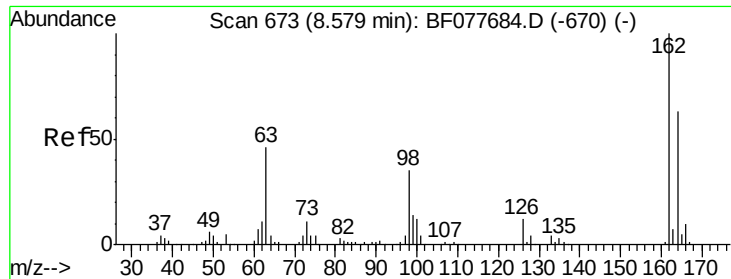


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

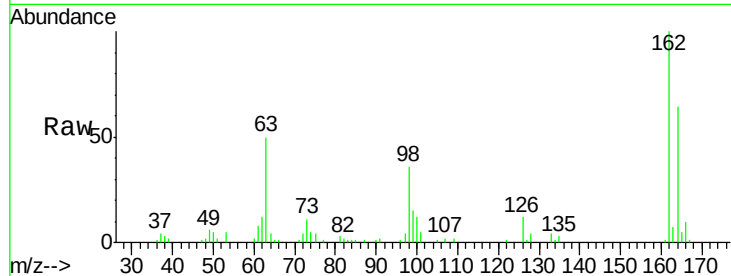




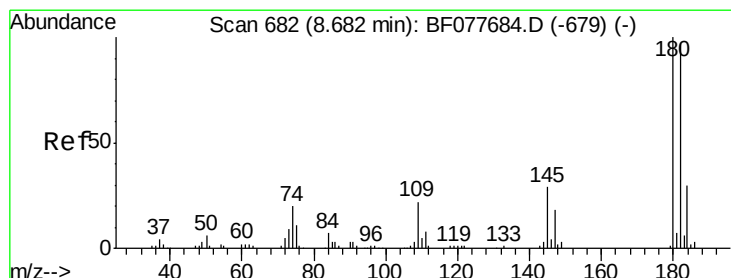
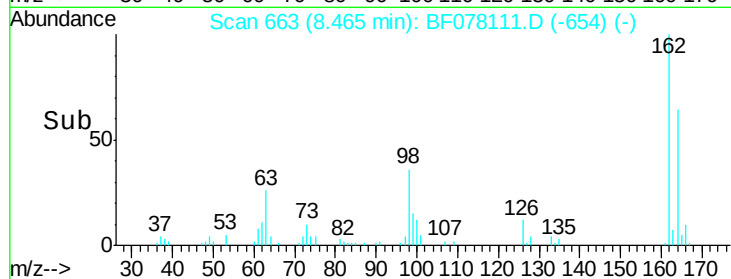
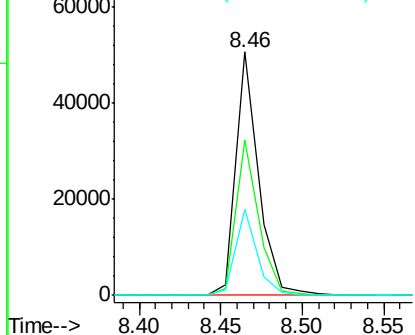
#29
2,4-Dichlorophenol
Concen: 21.73 ng
RT: 8.46 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:162 Resp: 48181
Ion Ratio Lower Upper
162 100
164 63.8 42.8 82.8
98 35.6 14.5 54.5

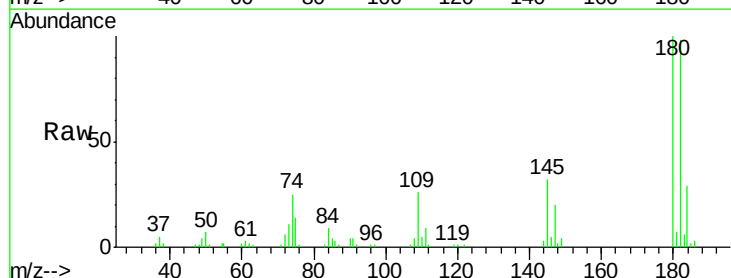


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

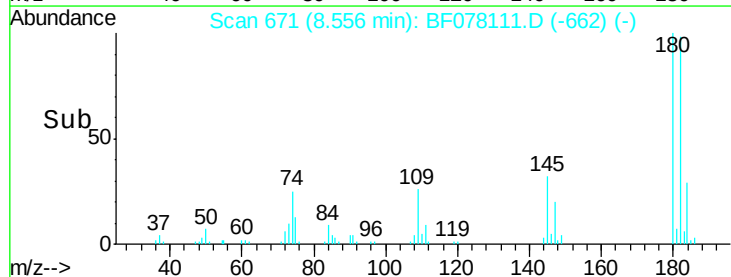
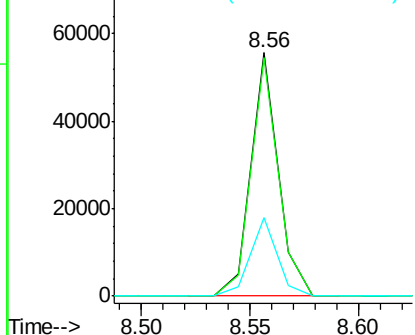


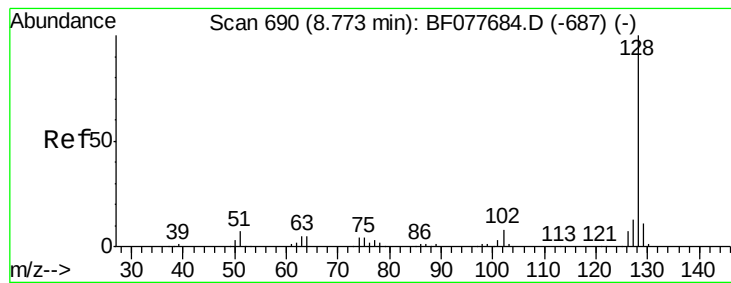
#30
1,2,4-Trichlorobenzene
Concen: 19.62 ng
RT: 8.56 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion:180 Resp: 48661
Ion Ratio Lower Upper
180 100
182 98.1 77.6 116.4
145 32.3 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: 20.07 ng

RT: 8.65 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

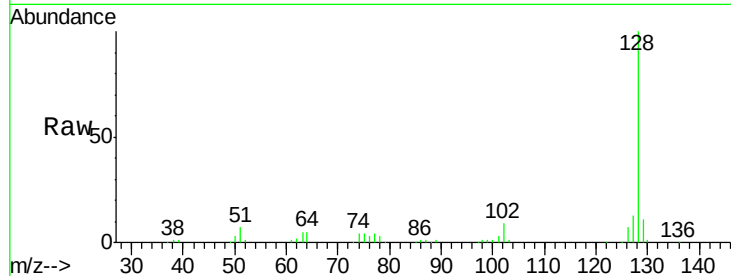
Tgt Ion:128 Resp: 163591

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

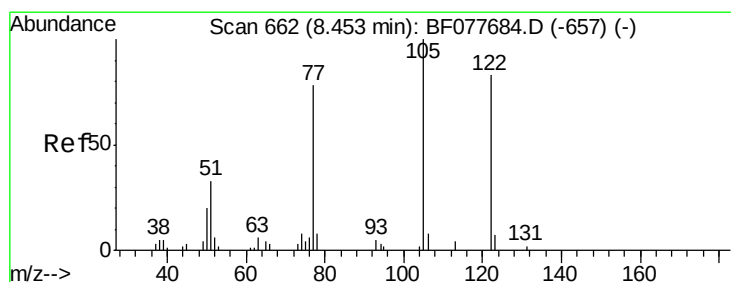
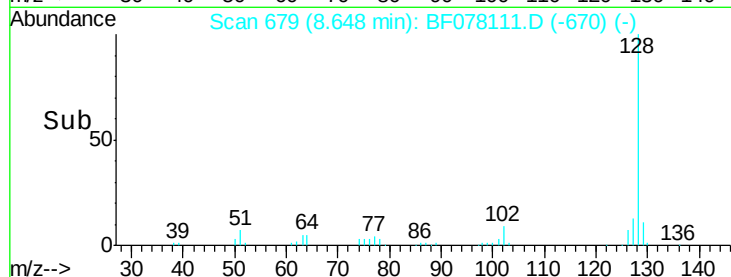
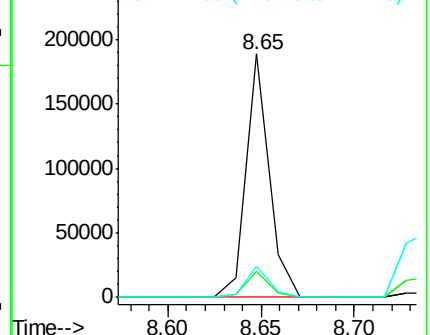
127 12.9 10.4 15.6



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: 17.54 ng

RT: 8.35 min Scan# 653

Delta R.T. -0.01 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

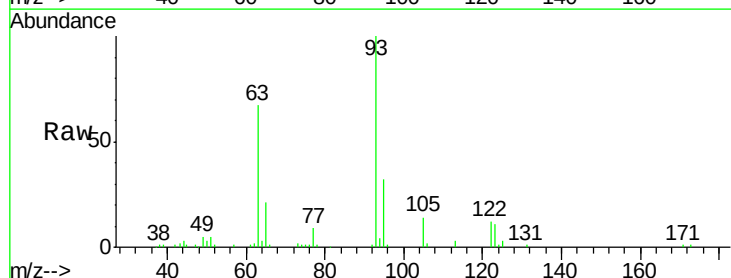
Tgt Ion:122 Resp: 20032

Ion Ratio Lower Upper

122 100

105 112.8 99.9 139.9

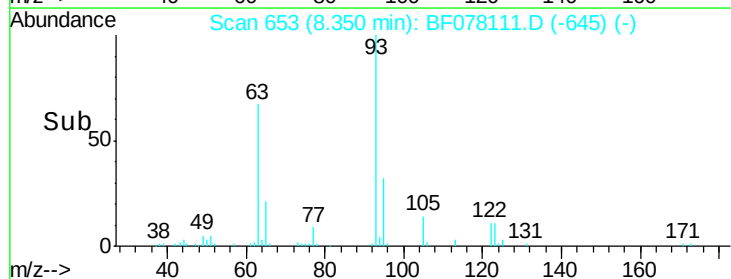
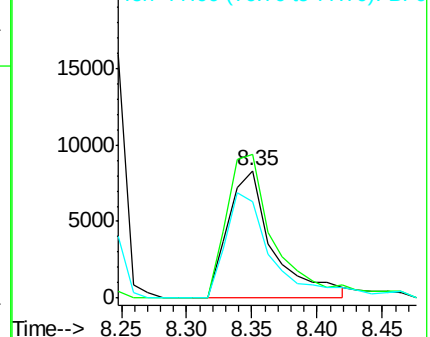
77 75.9 73.7 113.7

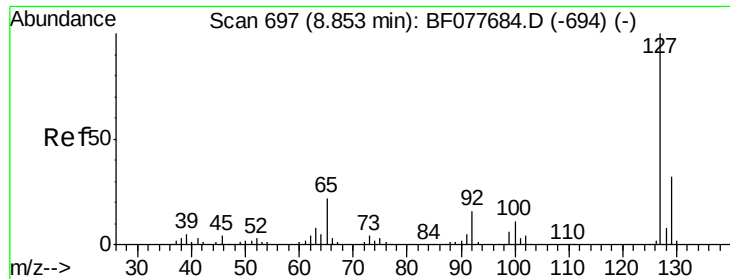


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

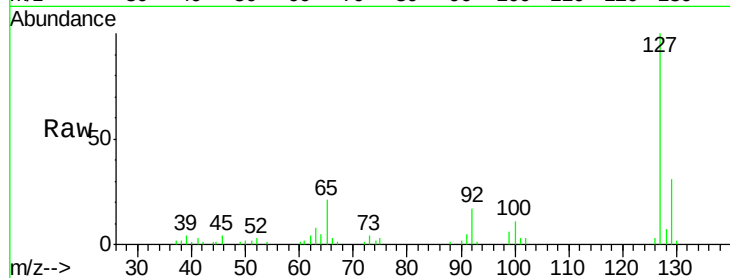




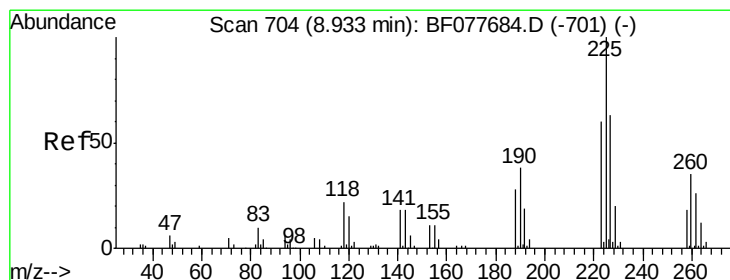
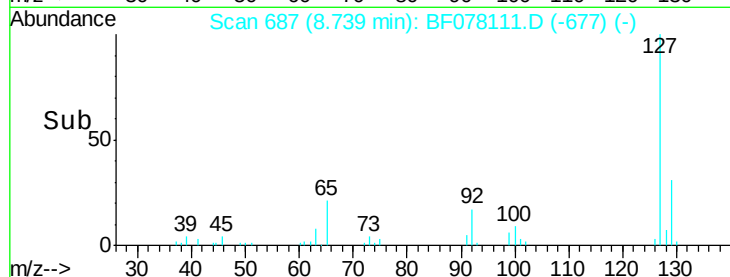
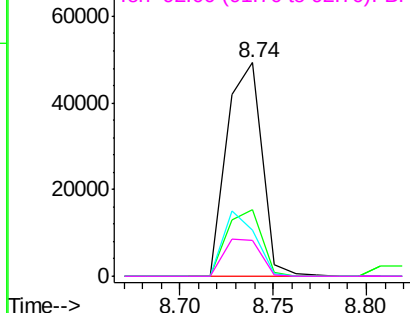
#33
4-Chloroaniline
Concen: 19.65 ng
RT: 8.74 min Scan# 687
Delta R.T. 0.01 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:	127	Resp:	65006
Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.3	37.9
65	21.5	17.6	26.4
92	16.5	13.1	19.7

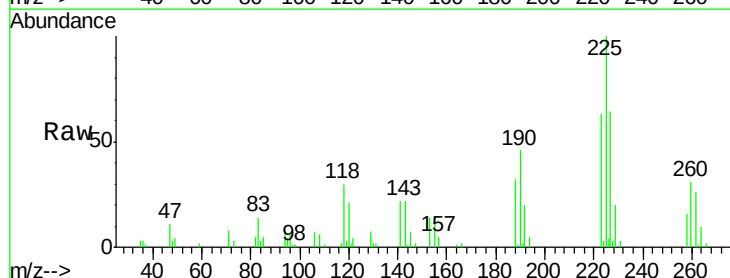


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

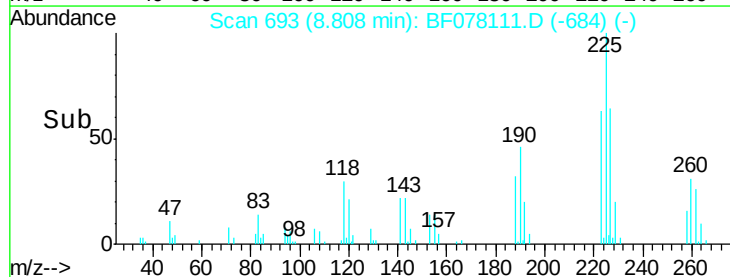
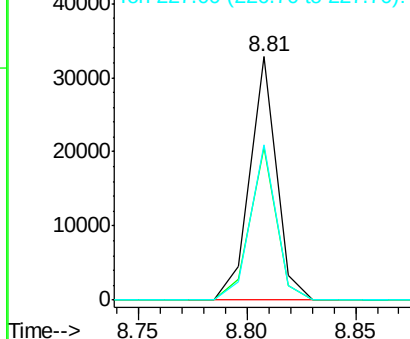


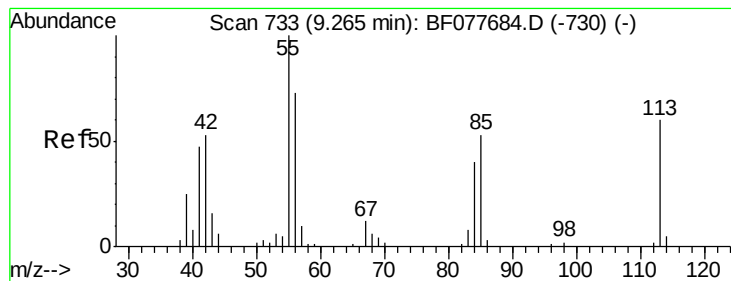
#34
Hexachlorobutadiene
Concen: 19.88 ng
RT: 8.81 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion:	225	Resp:	27950
Ion	Ratio	Lower	Upper
225	100		
223	62.8	47.9	71.9
227	63.9	50.1	75.1



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





#35

Caprolactam

Concen: 20.52 ng

RT: 9.14 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

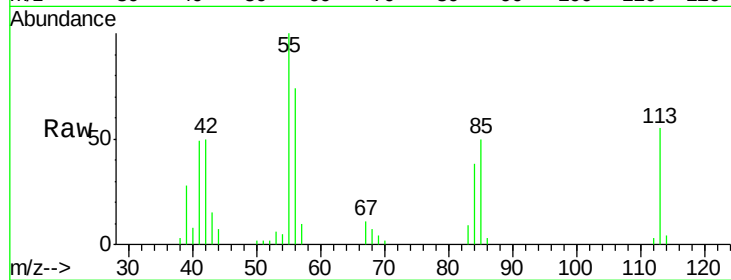
Tgt Ion:113 Resp: 13293

Ion Ratio Lower Upper

113 100

55 182.8 145.9 185.9

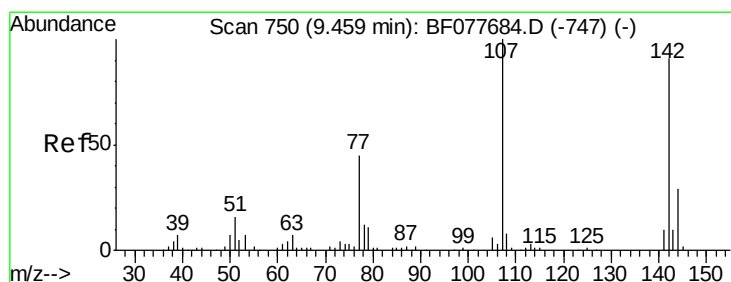
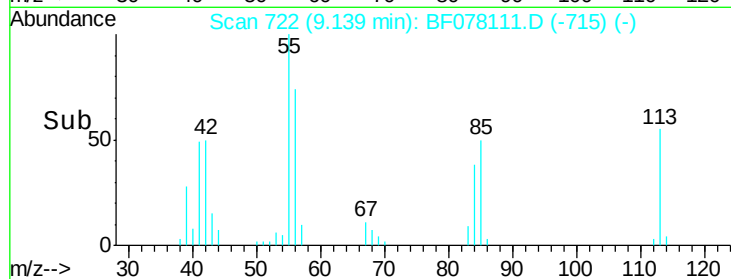
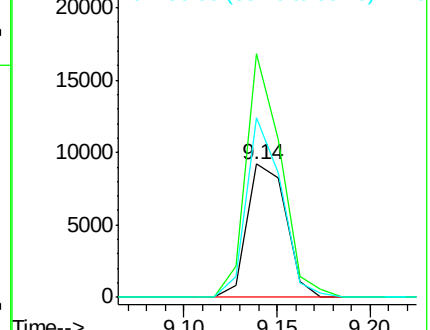
56 135.3 101.0 141.0



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: 20.89 ng

RT: 9.36 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

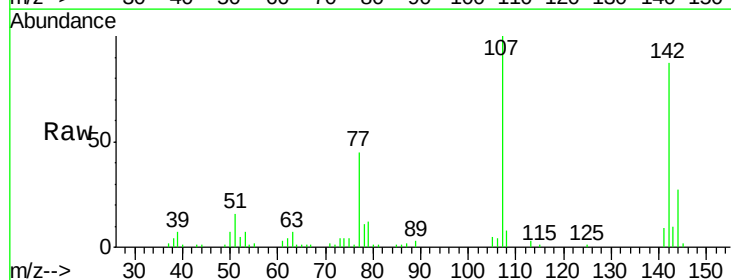
Tgt Ion:107 Resp: 46593

Ion Ratio Lower Upper

107 100

144 27.5 23.3 34.9

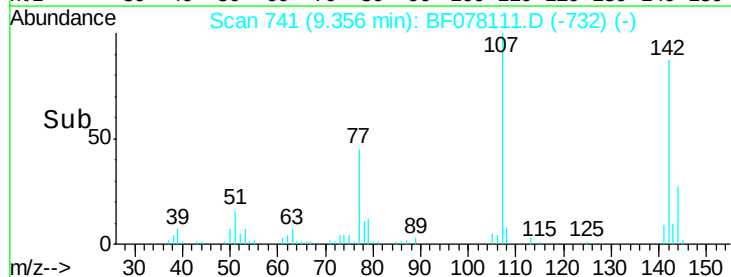
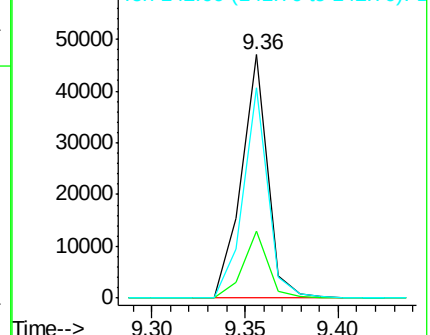
142 86.5 72.6 109.0

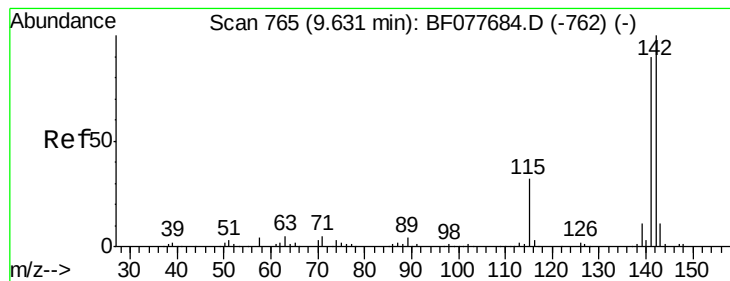


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 20.16 ng

RT: 9.50 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

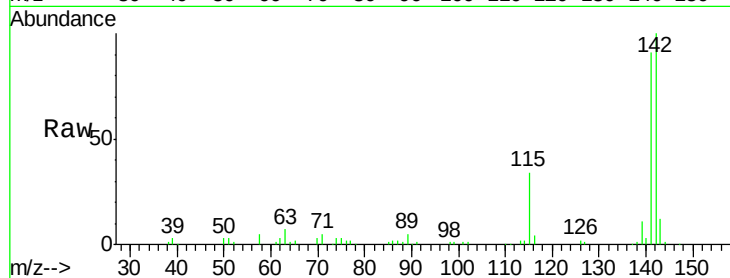
Tgt Ion:142 Resp: 110353

Ion Ratio Lower Upper

142 100

141 91.4 71.9 107.9

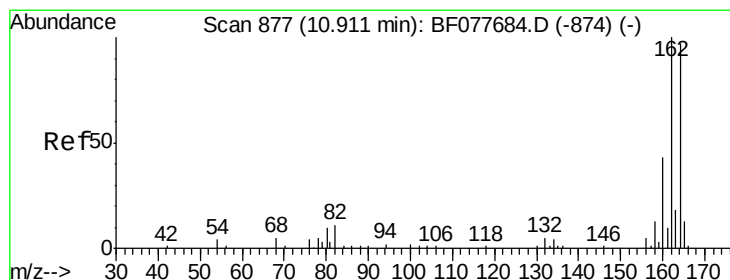
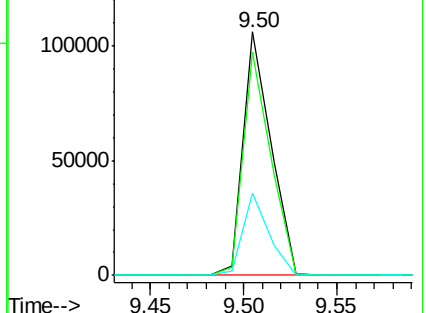
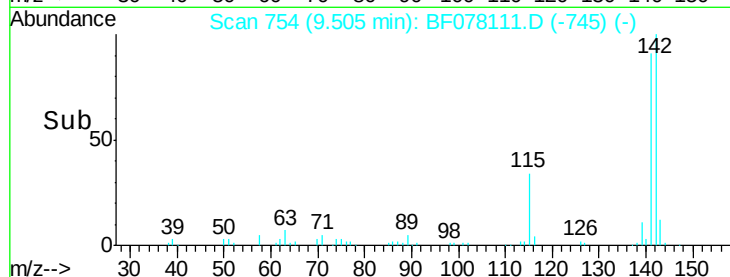
115 33.6 25.4 38.0



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: 10.80 min Scan# 867

Delta R.T. 0.01 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

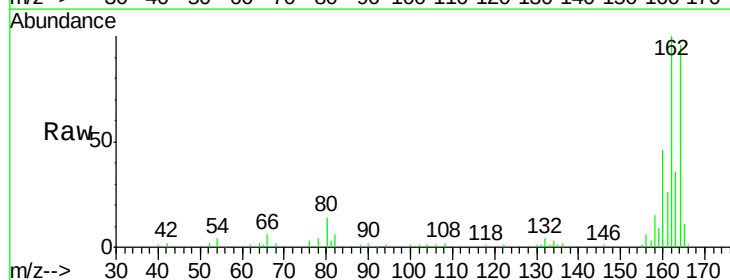
Tgt Ion:164 Resp: 80389

Ion Ratio Lower Upper

164 100

162 104.1 82.4 123.6

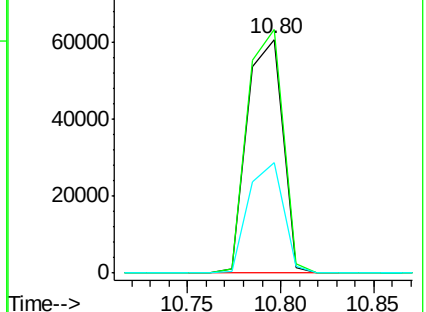
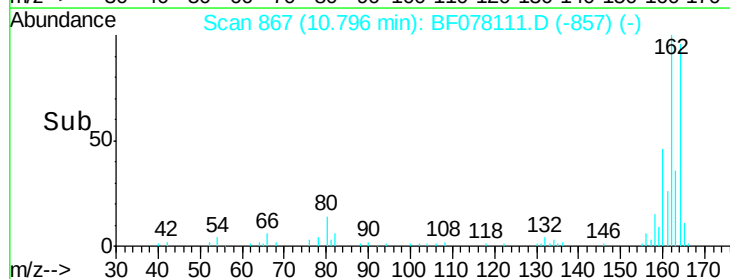
160 47.5 35.8 53.6

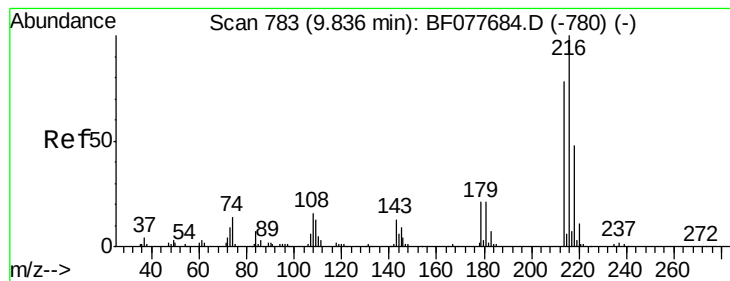


Abundance Ion 164.00 (163.70 to 164.70): E

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: 20.10 ng

RT: 9.71 min Scan# 772

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

Tgt Ion:216 Resp: 48192

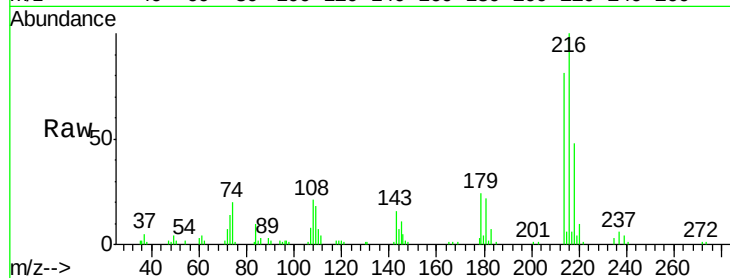
Ion Ratio Lower Upper

216 100

214 79.0 0.0 0.0#

179 21.4 0.0 0.0#

108 19.3 0.0 0.0#

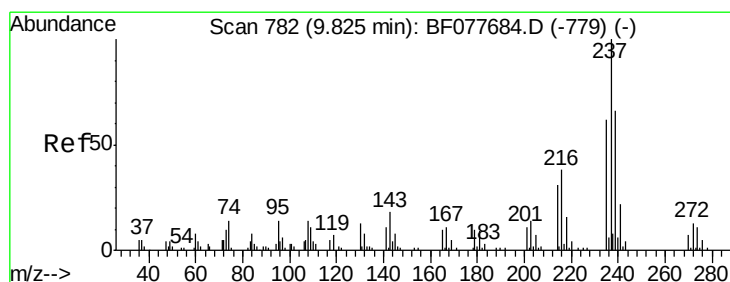
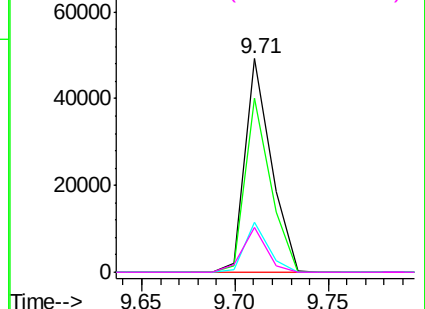
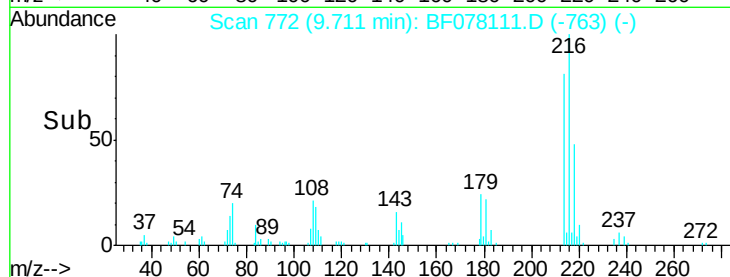


Abundance Ion 216.00 (215.70 to 216.70): E

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: 18.21 ng

RT: 9.70 min Scan# 771

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

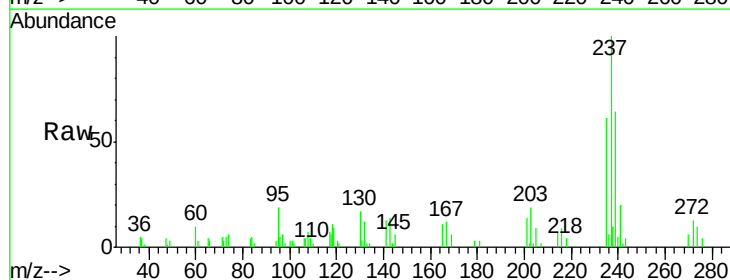
Tgt Ion:237 Resp: 18795

Ion Ratio Lower Upper

237 100

235 61.5 42.0 82.0

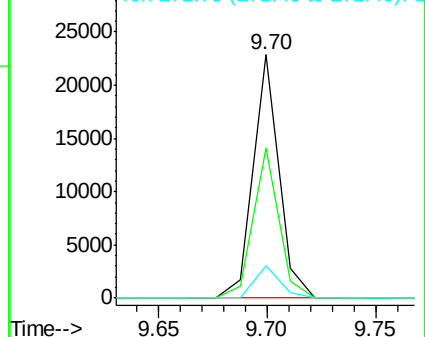
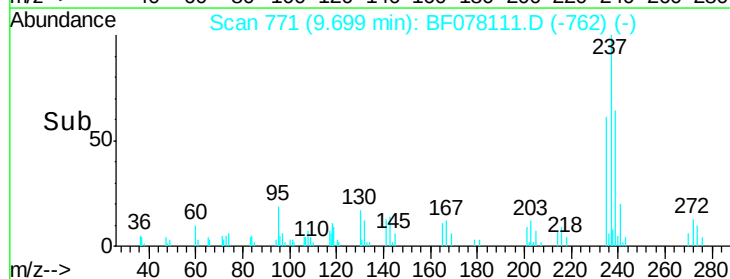
272 13.2 0.0 33.4

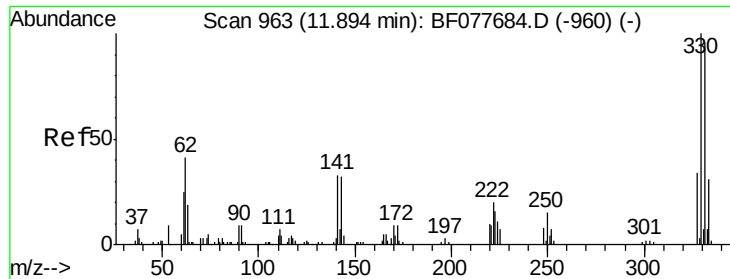


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

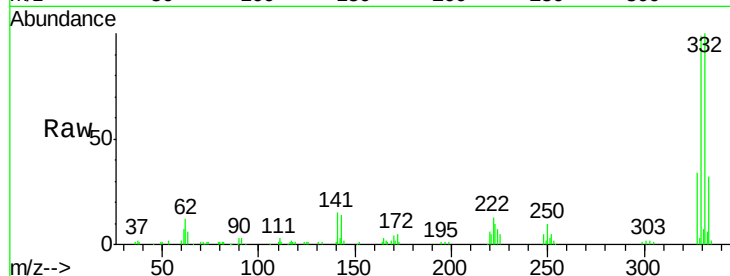




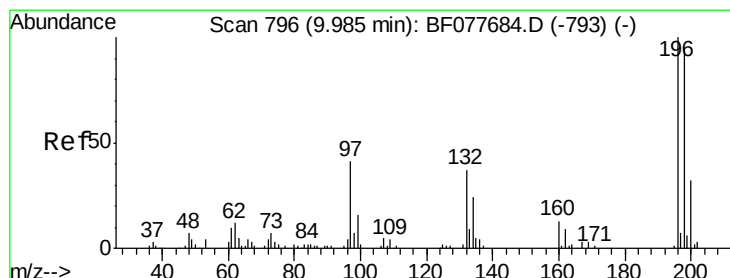
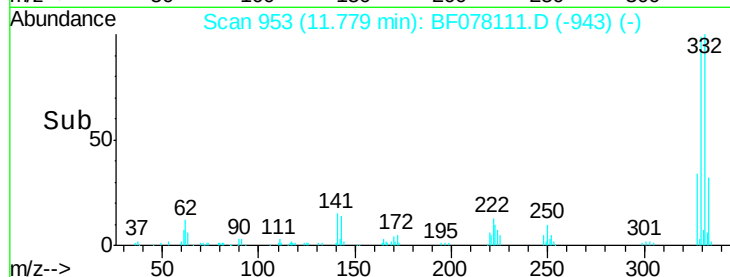
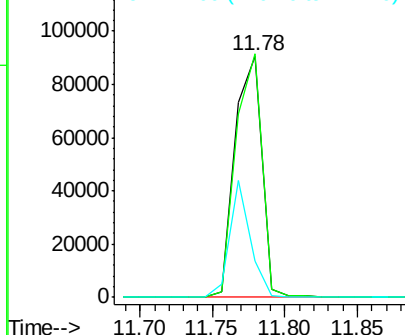
#41
 2,4,6-Tribromophenol
 Concen: 152.50 ng
 RT: 11.78 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:330 Resp: 117297
 Ion Ratio Lower Upper
 330 100
 332 97.7 0.0 0.0#
 141 37.1 0.0 0.0#

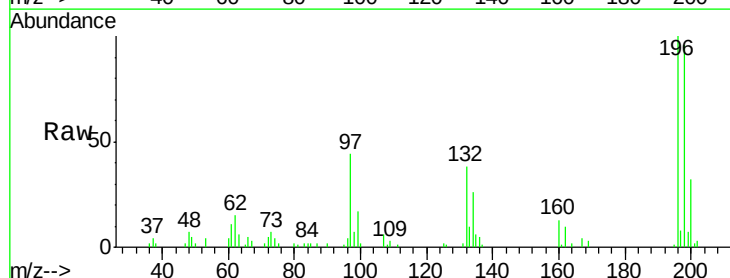


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

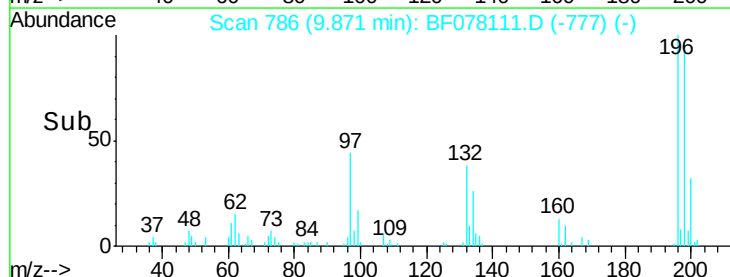
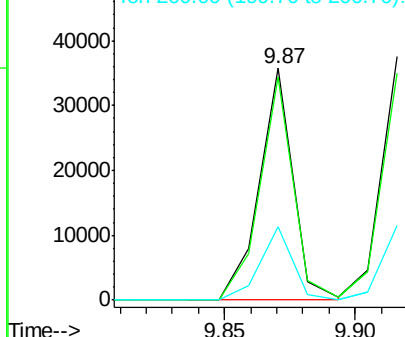


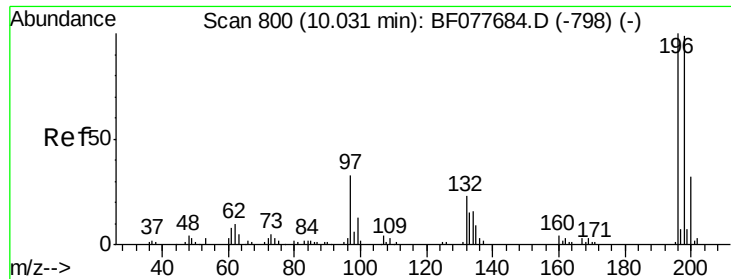
#42
 2,4,6-Trichlorophenol
 Concen: 19.37 ng
 RT: 9.87 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:196 Resp: 32174
 Ion Ratio Lower Upper
 196 100
 198 96.2 76.3 114.5
 200 31.6 25.6 38.4



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

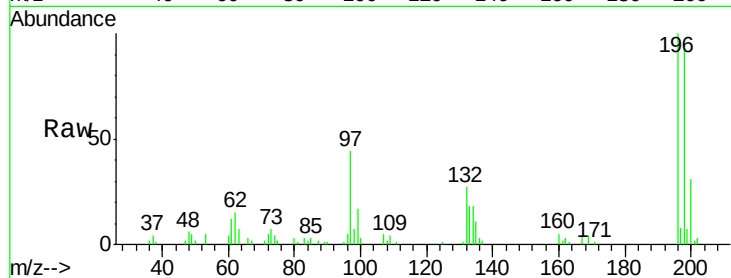




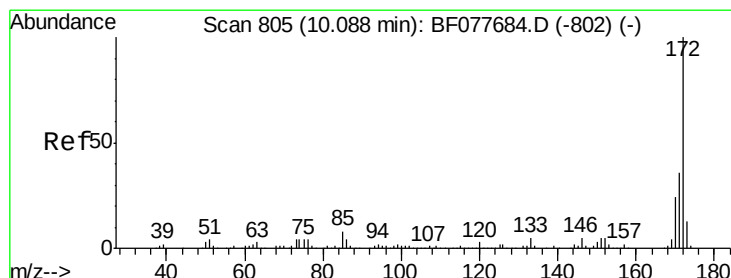
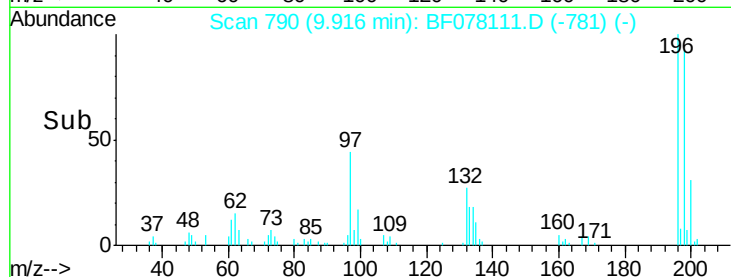
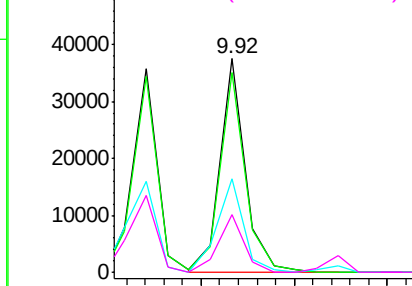
#43
 2,4,5-Trichlorophenol
 Concen: 19.67 ng
 RT: 9.92 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:	196	Resp:	35298
Ion	Ratio	Lower	Upper
196	100		
198	93.4	79.4	119.0
97	43.9	26.8	40.2#
132	27.3	18.6	28.0

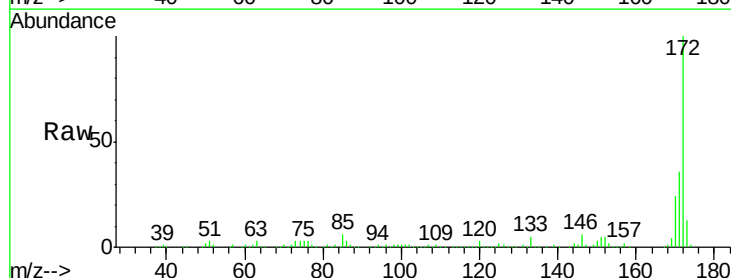


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

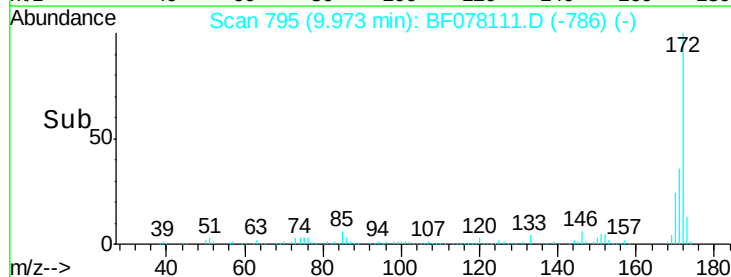
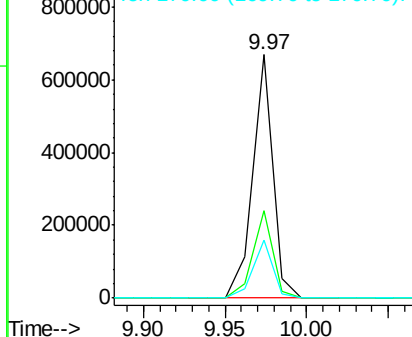


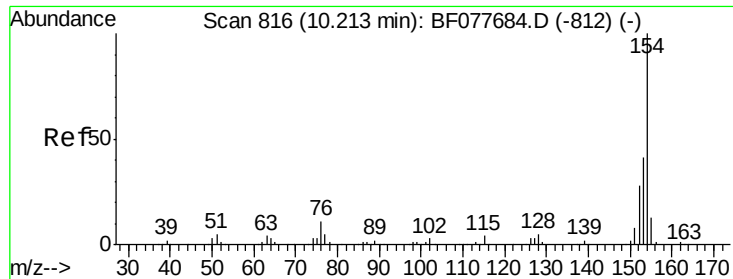
#44
 2-Fluorobiphenyl
 Concen: 105.13 ng
 RT: 9.97 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:	172	Resp:	575077
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.5	42.7
170	23.6	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

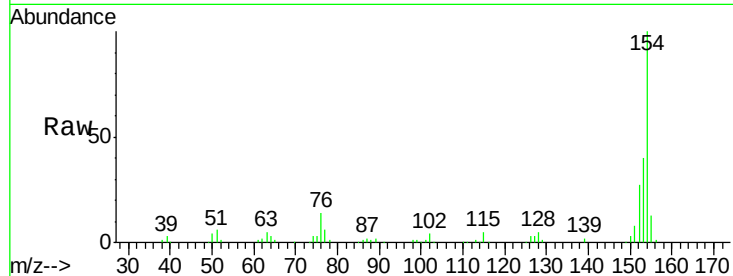




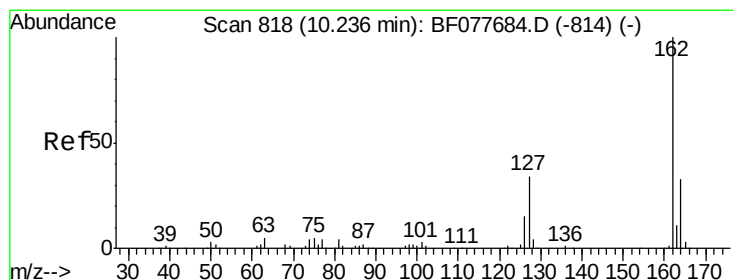
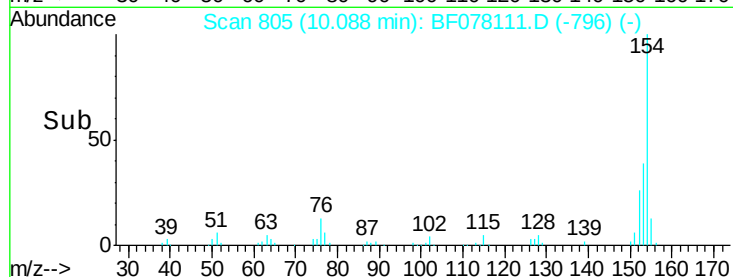
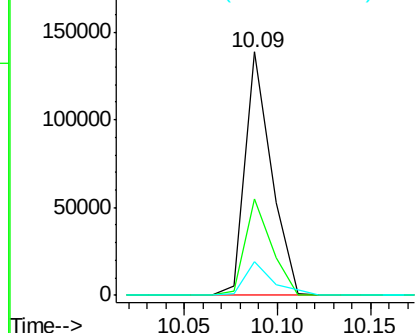
#45
1,1'-Biphenyl
Concen: 21.11 ng
RT: 10.09 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:154 Resp: 135683
Ion Ratio Lower Upper
154 100
153 39.6 20.7 60.7
76 13.8 0.0 30.9

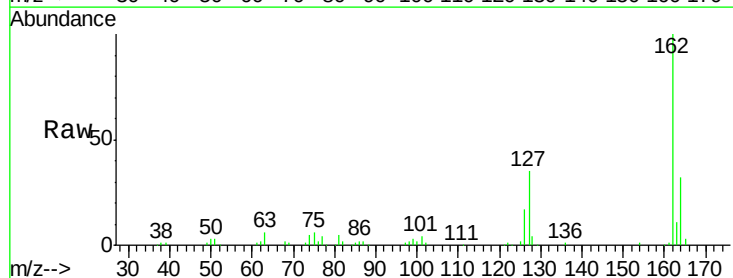


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

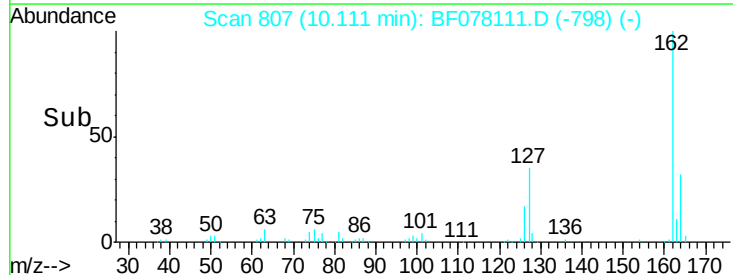
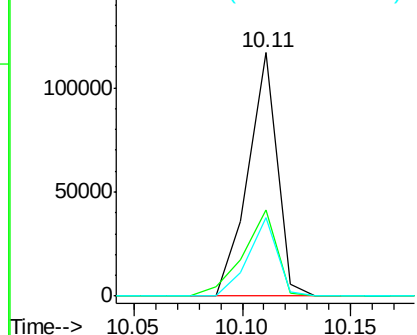


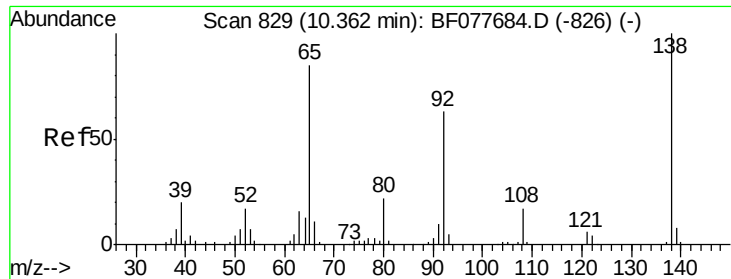
#46
2-Chloronaphthalene
Concen: 20.79 ng
RT: 10.11 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion:162 Resp: 108576
Ion Ratio Lower Upper
162 100
127 35.3 26.9 40.3
164 32.4 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

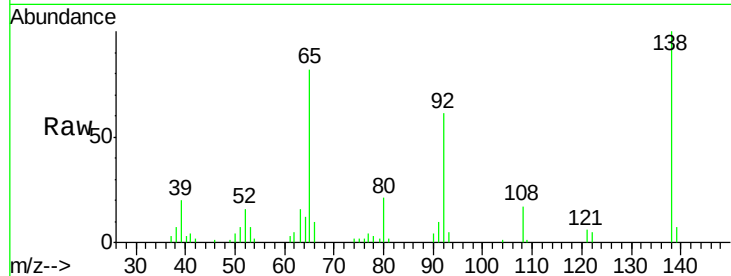




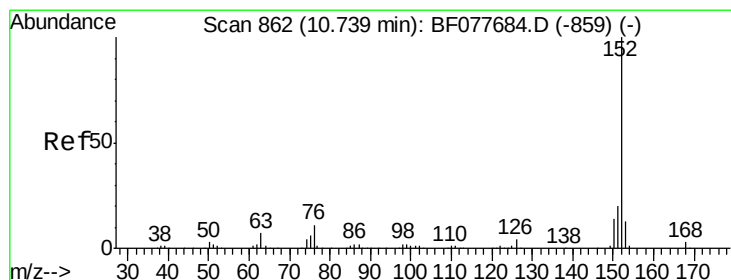
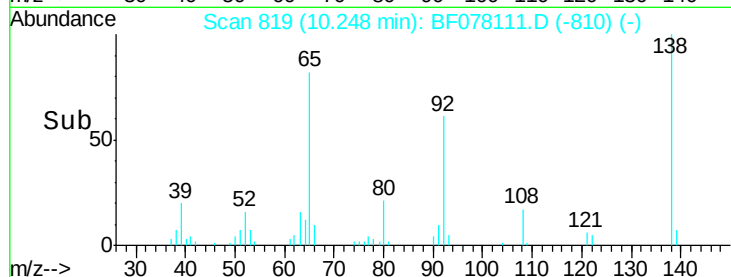
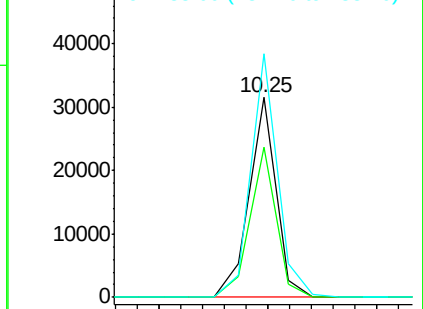
#47
2-Nitroaniline
Concen: 20.88 ng
RT: 10.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 65 Resp: 27076
Ion Ratio Lower Upper
65 100
92 75.0 59.1 88.7
138 122.0 93.9 140.9

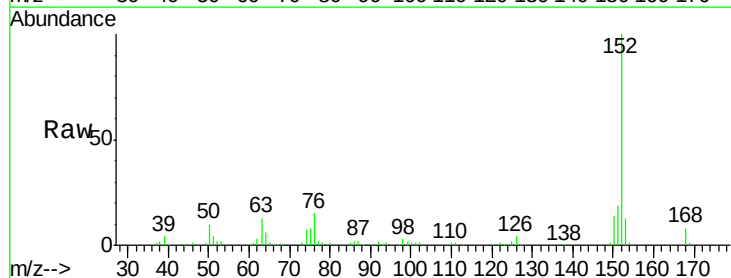


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

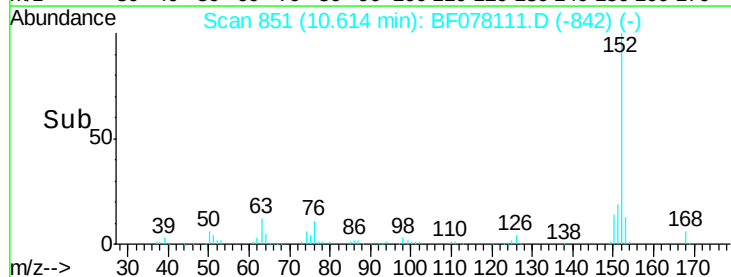
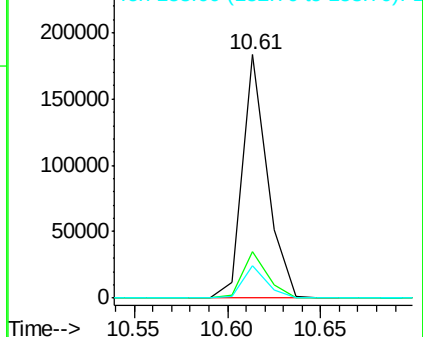


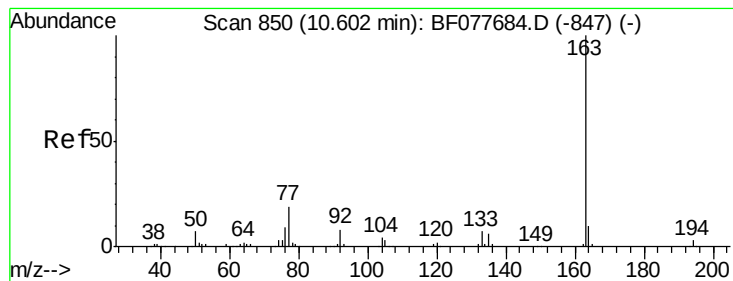
#48
Acenaphthylene
Concen: 19.53 ng
RT: 10.61 min Scan# 851
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion: 152 Resp: 169645
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 13.2 10.6 16.0



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





#49

Dimethylphthalate

Concen: 21.24 ng

RT: 10.49 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

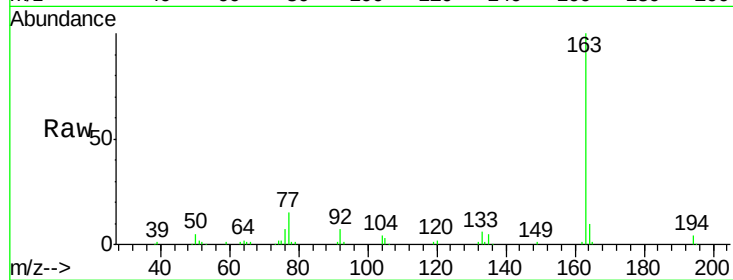
Tgt Ion:163 Resp: 126635

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

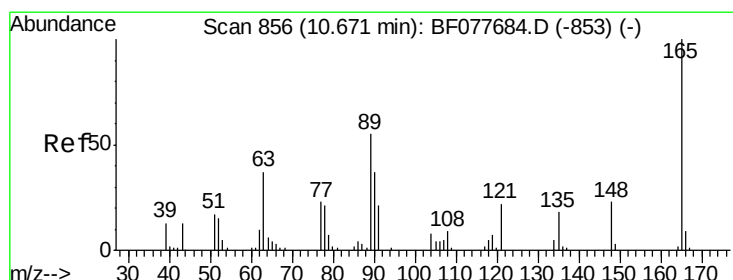
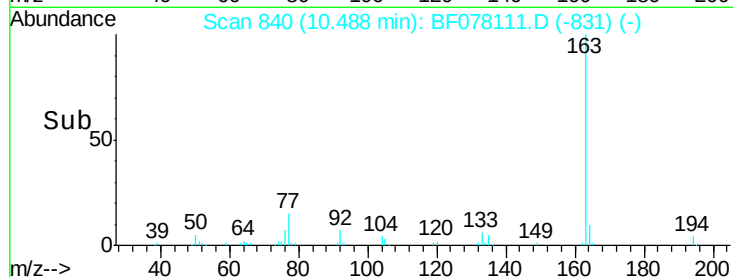
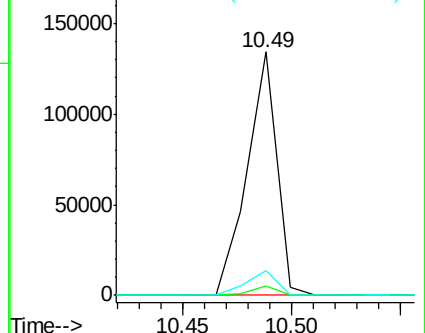
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 21.13 ng

RT: 10.56 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

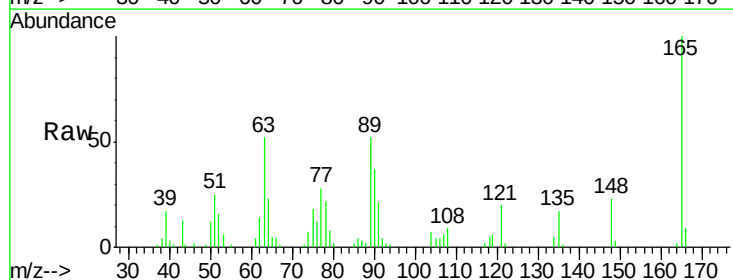
Tgt Ion:165 Resp: 26114

Ion Ratio Lower Upper

165 100

63 51.9 44.1 66.1

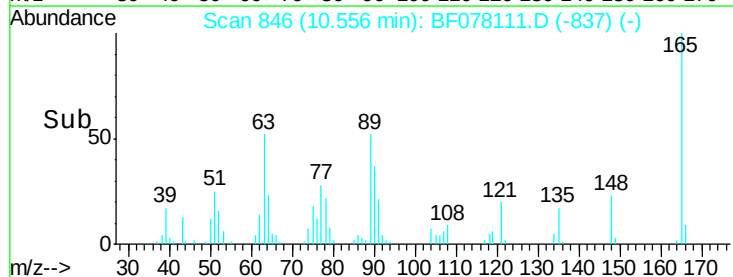
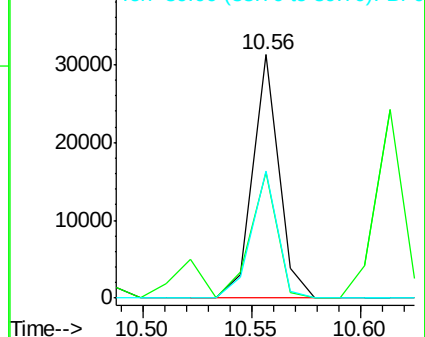
89 52.1 44.3 66.5

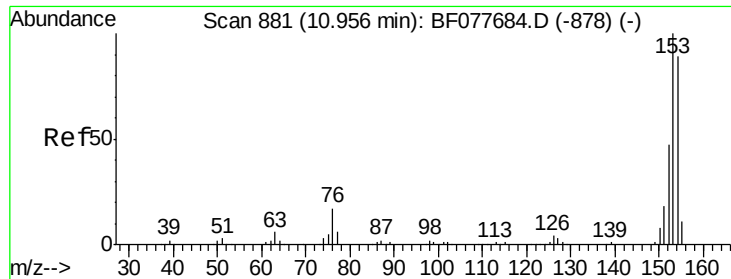


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 20.37 ng

RT: 10.83 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

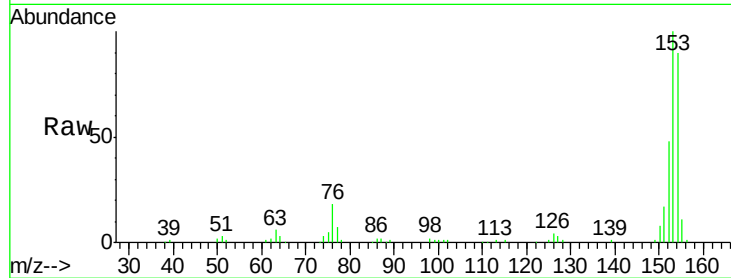
Tgt Ion:154 Resp: 101405

Ion Ratio Lower Upper

154 100

153 111.3 90.0 135.0

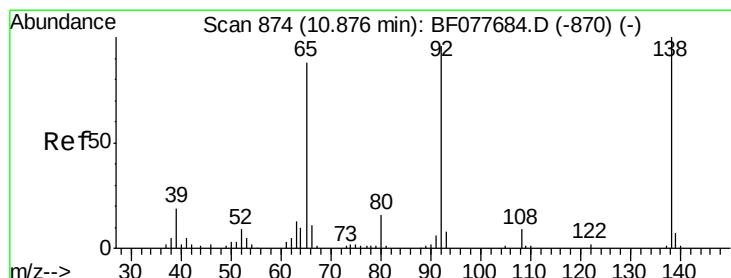
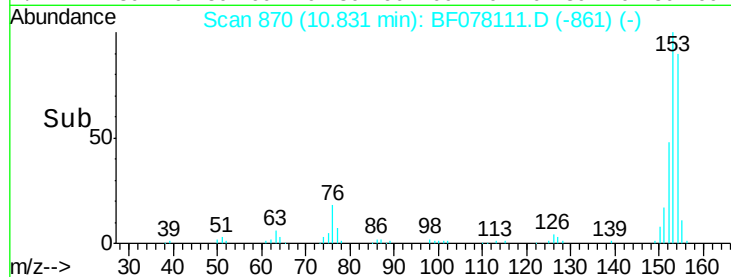
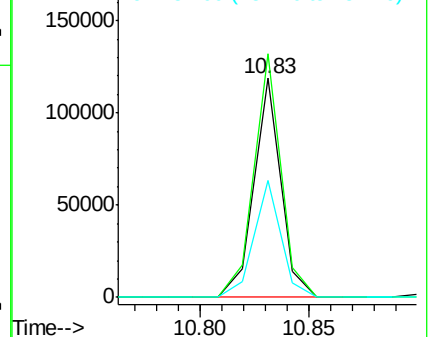
152 53.4 42.6 63.8



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: 19.32 ng

RT: 10.76 min Scan# 864

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

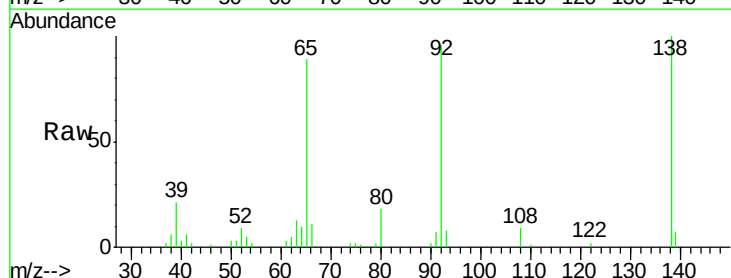
Tgt Ion:138 Resp: 27735

Ion Ratio Lower Upper

138 100

108 9.2 7.3 10.9

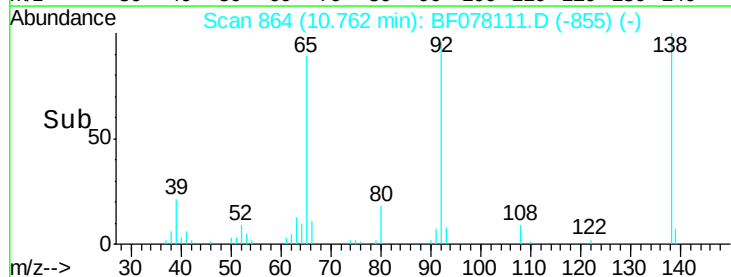
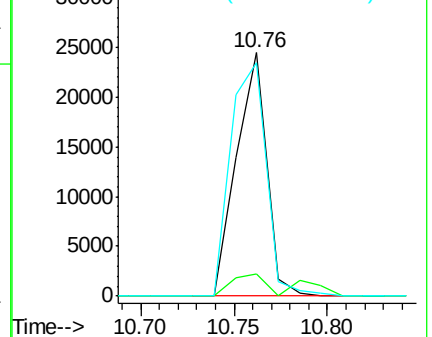
92 96.0 76.6 114.8

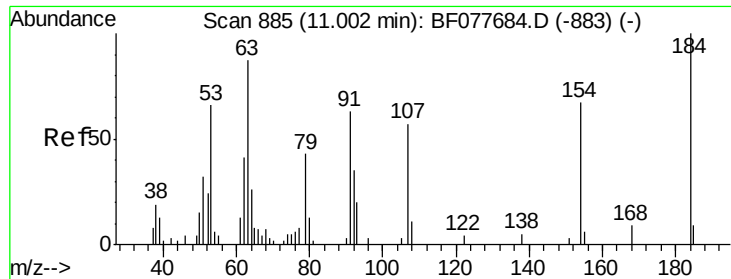


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

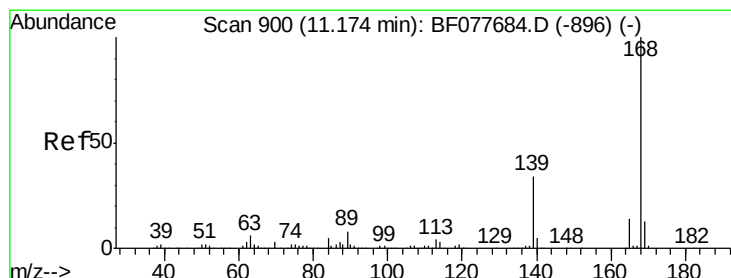
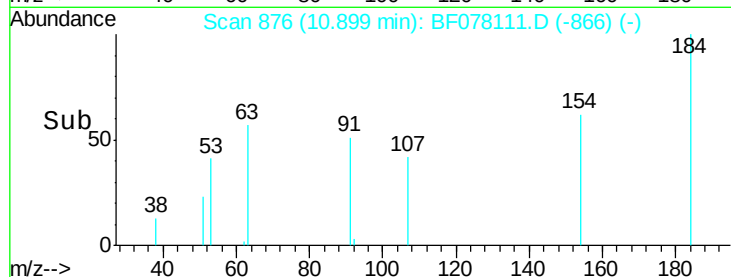
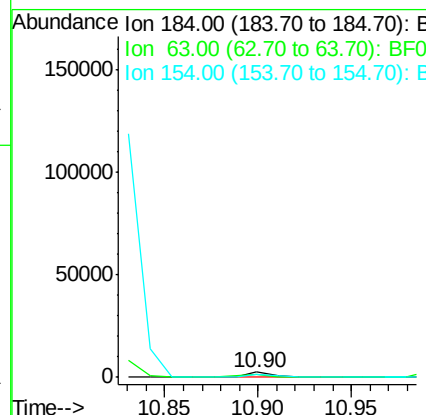
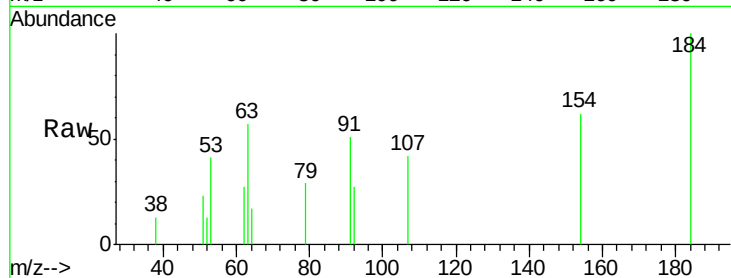




#53
 2,4-Dinitrophenol
 Concen: 13.43 ng
 RT: 10.90 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

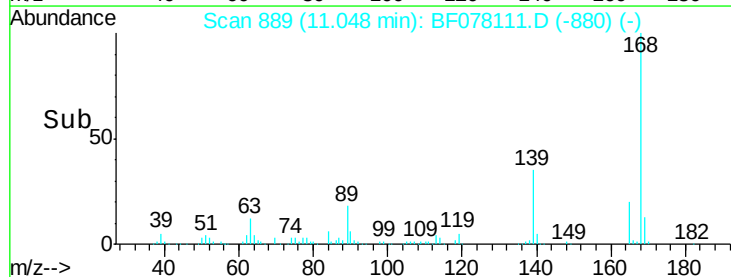
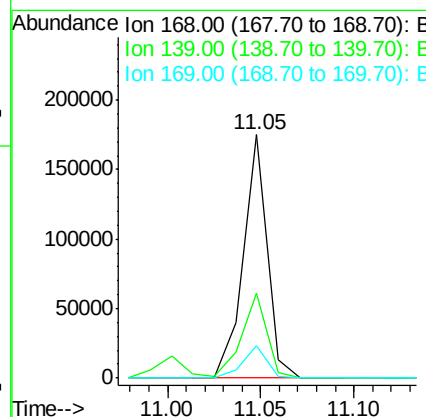
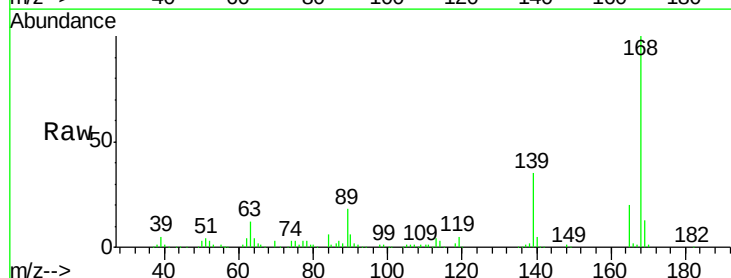
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

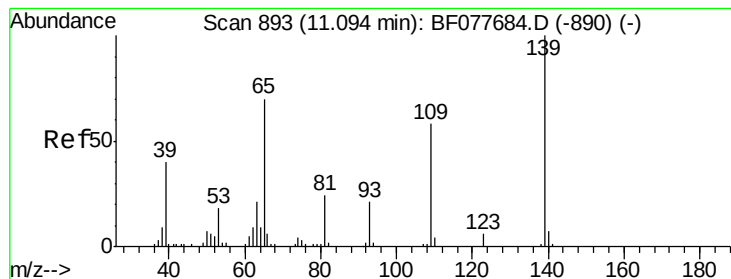
Tgt Ion:184 Resp: 2710
 Ion Ratio Lower Upper
 184 100
 63 57.3 69.2 103.8#
 154 62.4 53.3 79.9



#54
 Dibenzofuran
 Concen: 21.24 ng
 RT: 11.05 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:168 Resp: 156877
 Ion Ratio Lower Upper
 168 100
 139 35.1 27.3 40.9
 169 13.2 10.6 16.0





#55

4-Nitrophenol

Concen: 17.27 ng

RT: 11.00 min Scan# 885

Delta R.T. 0.01 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

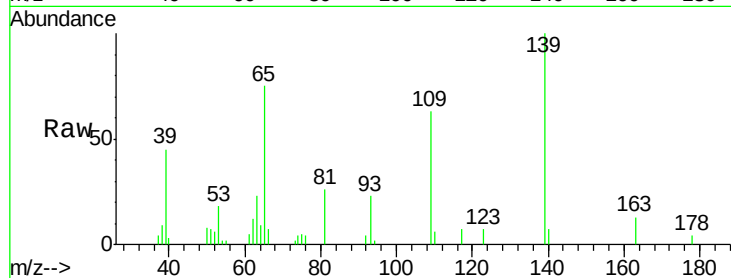
Tgt Ion:139 Resp: 18363

Ion Ratio Lower Upper

139 100

109 62.7 37.7 77.7

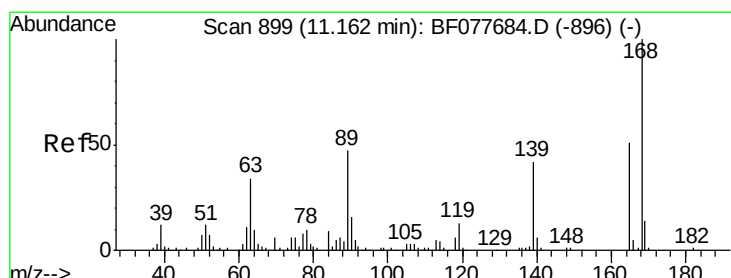
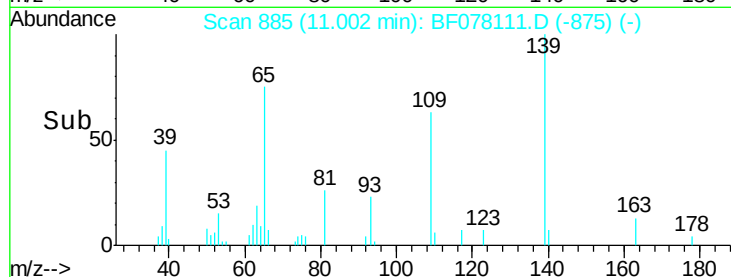
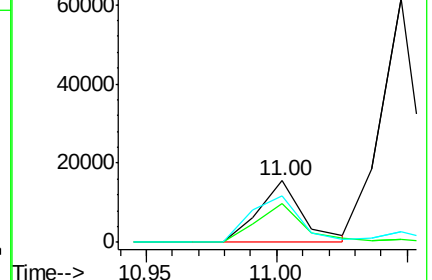
65 75.5 49.9 89.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 21.27 ng

RT: 11.05 min Scan# 889

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Tgt Ion:165 Resp: 34271

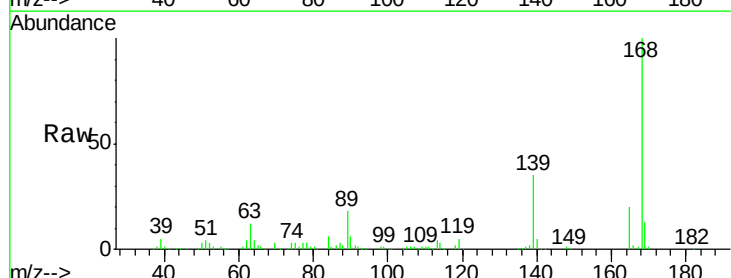
Ion Ratio Lower Upper

165 100

63 60.4 52.4 78.6

89 88.1 72.4 108.6

182 2.1 2.0 3.0

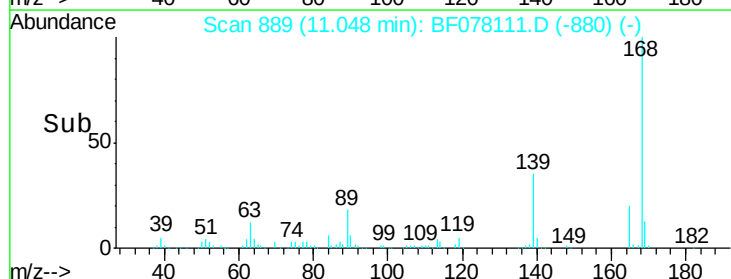
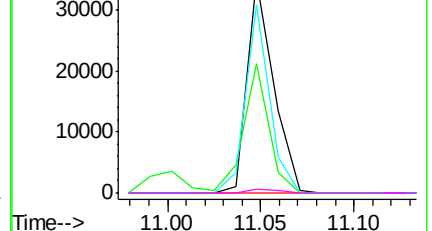


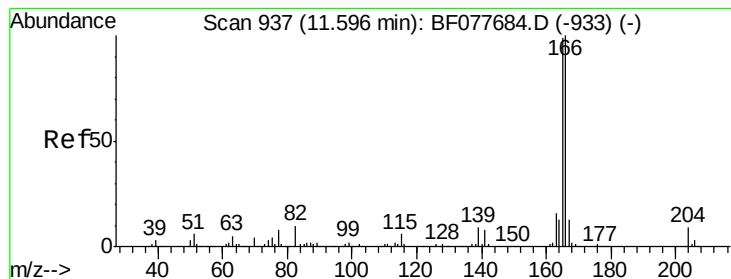
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 20.80 ng

RT: 11.47 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

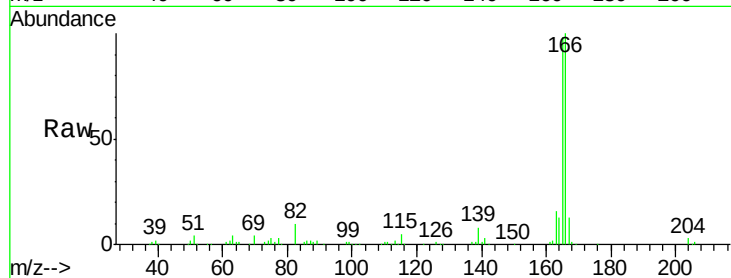
Tgt Ion:166 Resp: 127572

Ion Ratio Lower Upper

166 100

165 98.3 79.0 118.4

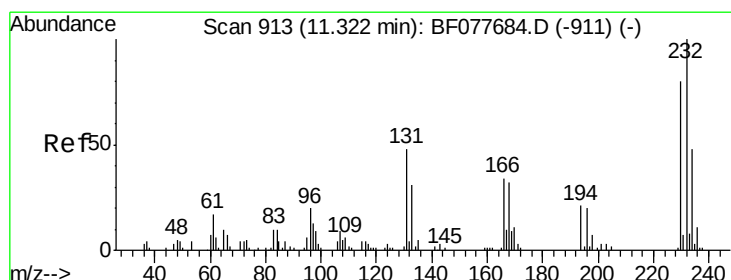
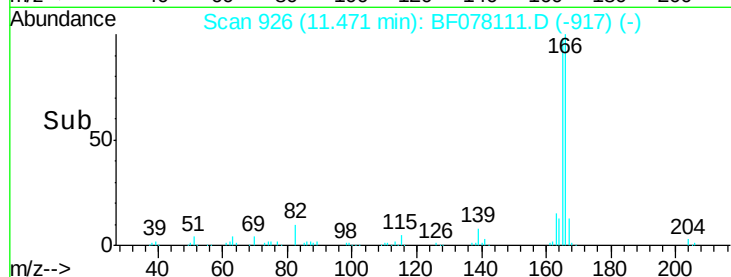
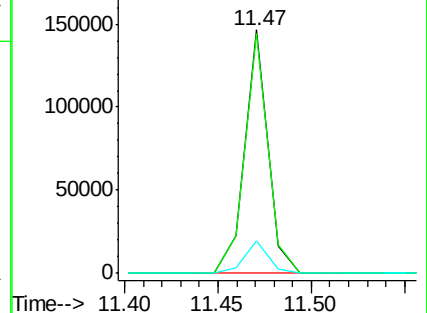
167 13.2 10.3 15.5



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: 19.73 ng

RT: 11.21 min Scan# 903

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Tgt Ion:232 Resp: 27254

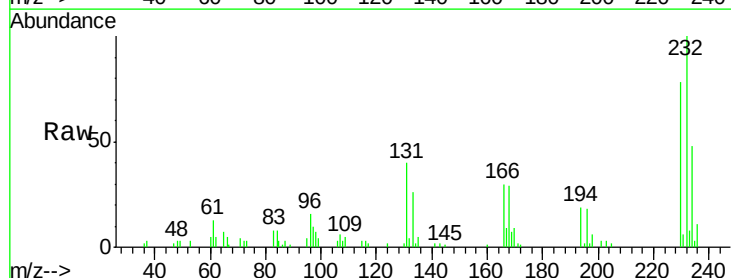
Ion Ratio Lower Upper

232 100

131 44.7 0.0 0.0#

130 1.3 0.0 0.0#

166 30.4 0.0 0.0#

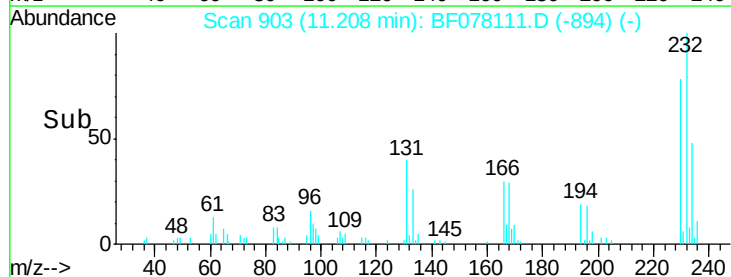
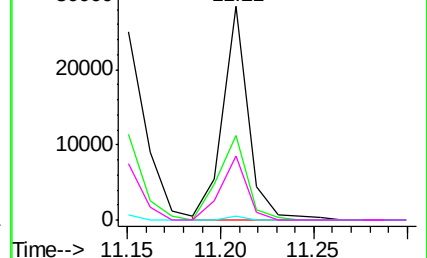


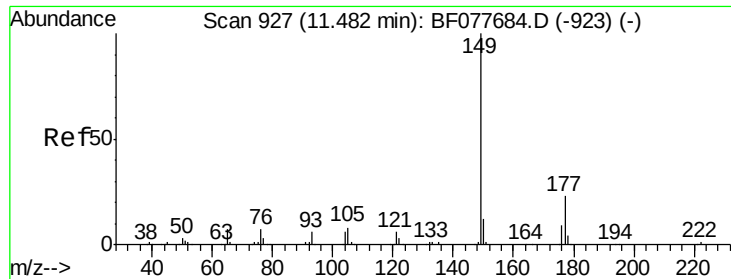
Abundance Ion 232.00 (231.70 to 232.70): E

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

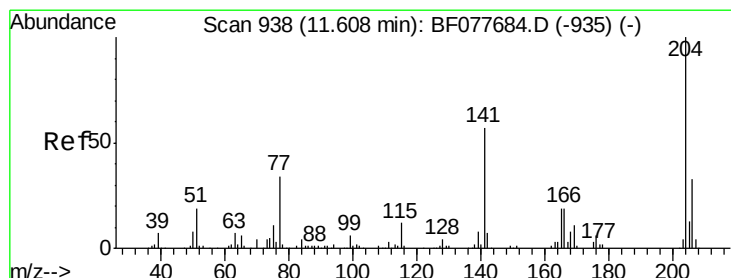
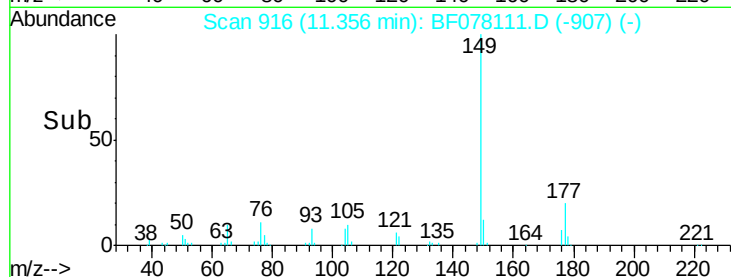
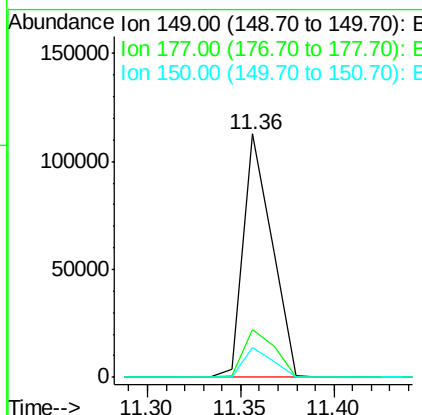
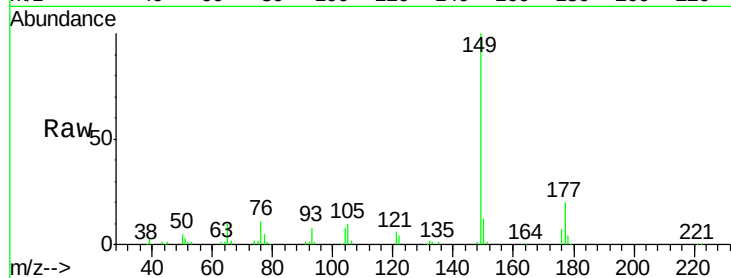




#59
Diethylphthalate
Concen: 20.68 ng
RT: 11.36 min Scan# 916
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

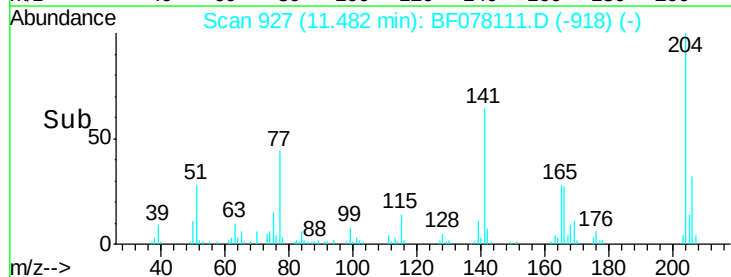
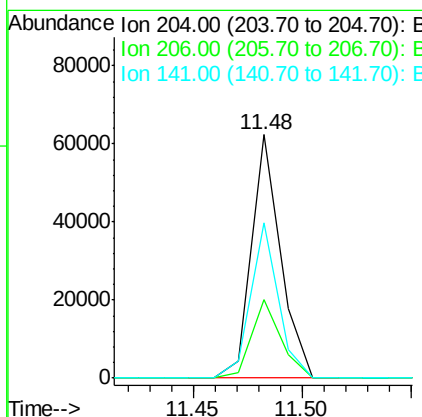
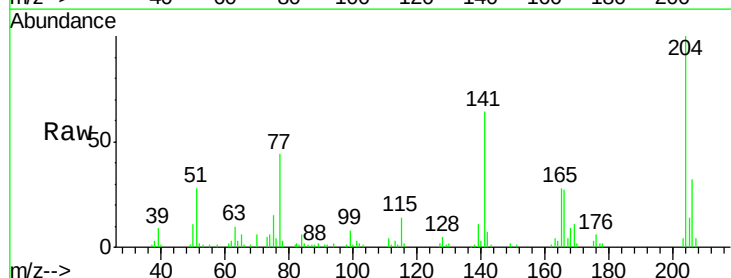
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

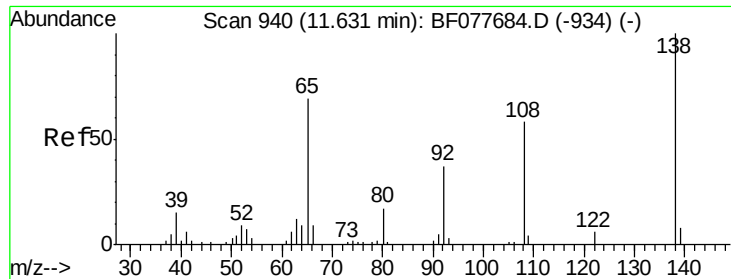
Tgt Ion:149 Resp: 120112
Ion Ratio Lower Upper
149 100
177 19.8 18.3 27.5
150 12.4 9.8 14.8



#60
4-Chlorophenyl-phenylether
Concen: 20.75 ng
RT: 11.48 min Scan# 927
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion:204 Resp: 58083
Ion Ratio Lower Upper
204 100
206 32.4 26.6 39.8
141 63.8 45.2 67.8

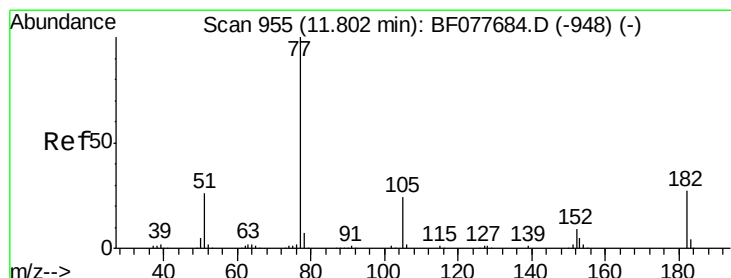
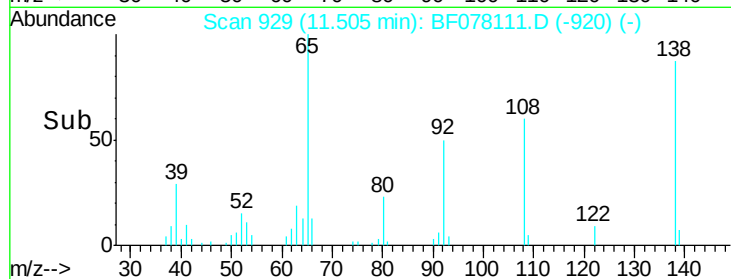
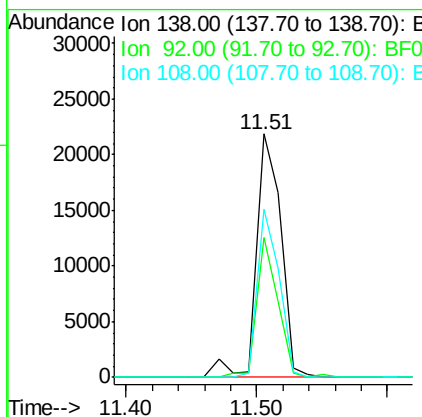
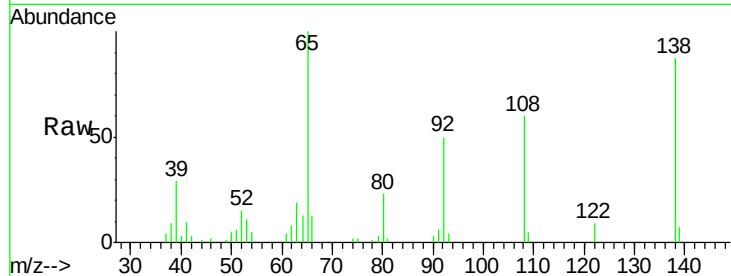




#61
 4-Nitroaniline
 Concen: 20.20 ng
 RT: 11.51 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

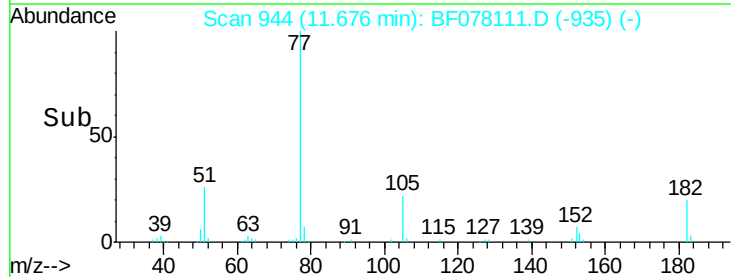
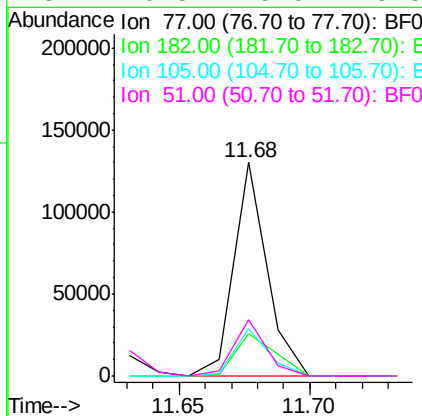
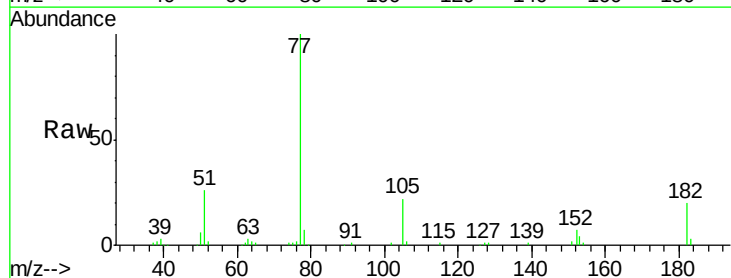
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

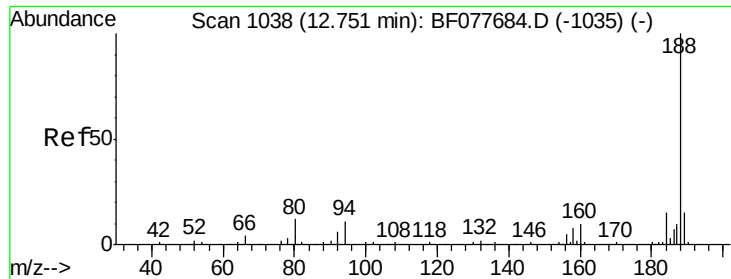
Tgt Ion: 138 Resp: 28893
 Ion Ratio Lower Upper
 138 100
 92 57.5 16.7 56.7#
 108 69.0 37.6 77.6



#62
 Azobenzene
 Concen: 20.85 ng
 RT: 11.68 min Scan# 944
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion: 77 Resp: 115787
 Ion Ratio Lower Upper
 77 100
 182 20.0 6.5 46.5
 105 21.9 3.8 43.8
 51 26.3 5.5 45.5

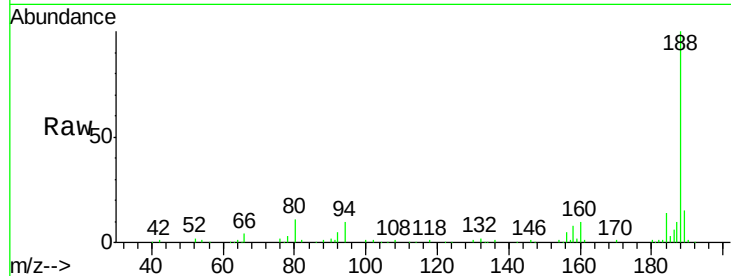




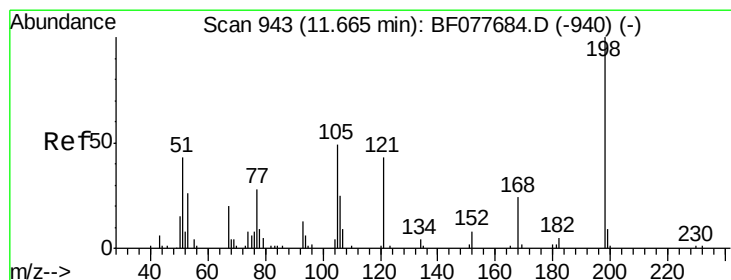
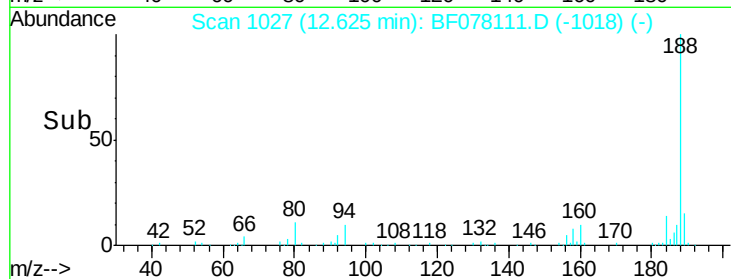
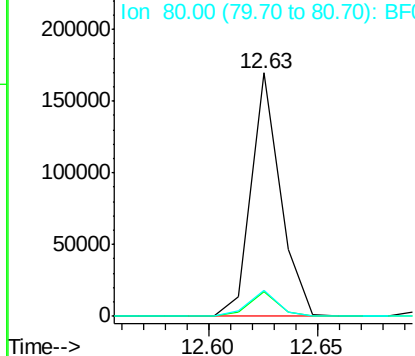
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.63 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion:188 Resp: 158804
Ion Ratio Lower Upper
188 100
94 10.2 8.7 13.1
80 10.8 9.3 13.9

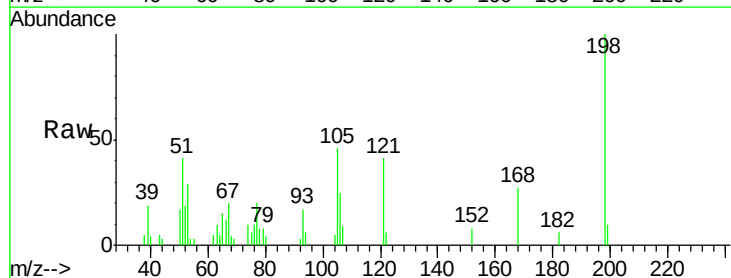


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

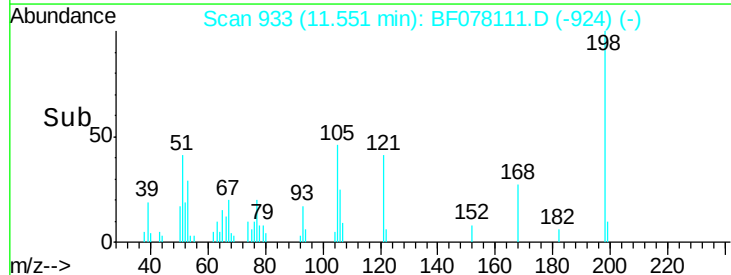
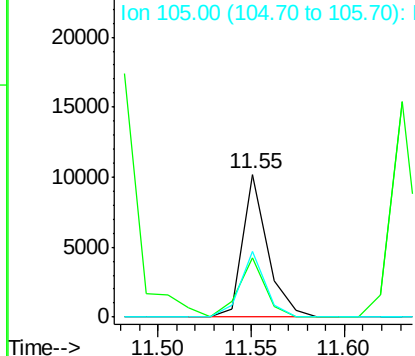


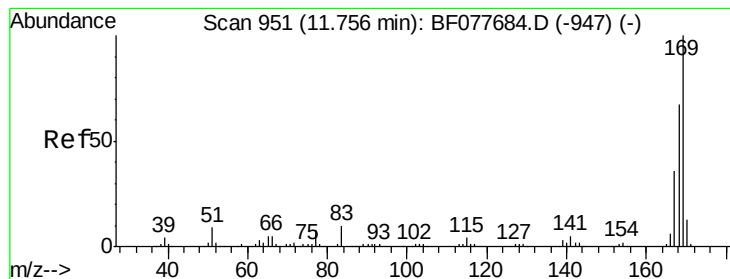
#64
4,6-Dinitro-2-methylphenol
Concen: 15.86 ng
RT: 11.55 min Scan# 933
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion:198 Resp: 9520
Ion Ratio Lower Upper
198 100
51 41.1 28.8 68.8
105 45.5 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

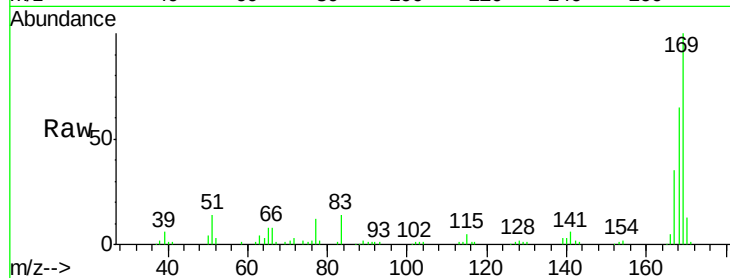




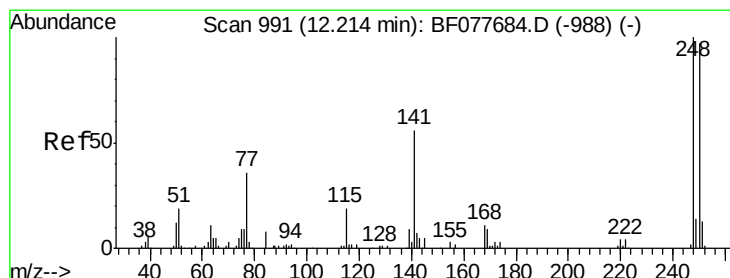
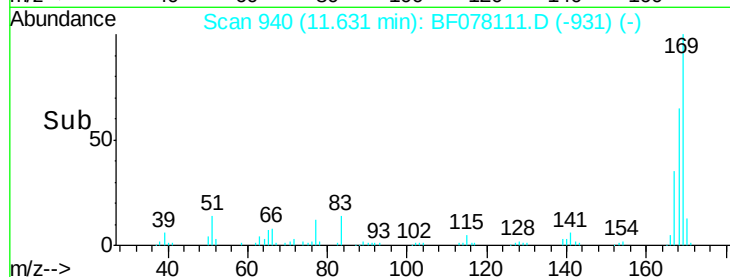
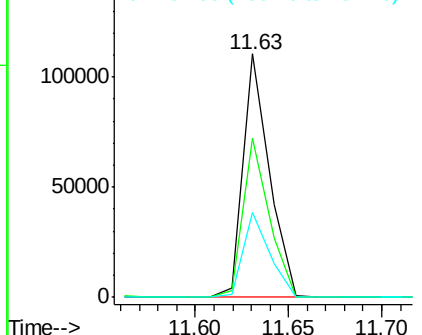
#65
 n-Nitrosodiphenylamine
 Concen: 20.39 ng
 RT: 11.63 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:169 Resp: 107833
 Ion Ratio Lower Upper
 169 100
 168 65.4 53.9 80.9
 167 34.7 28.9 43.3

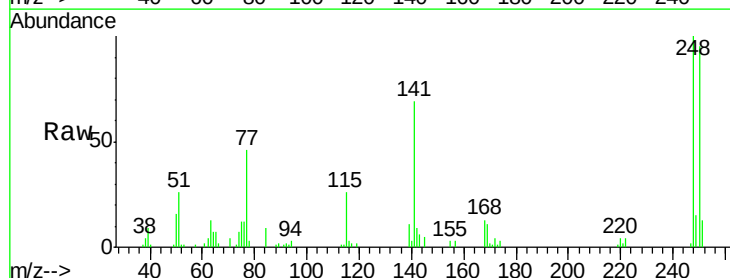


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

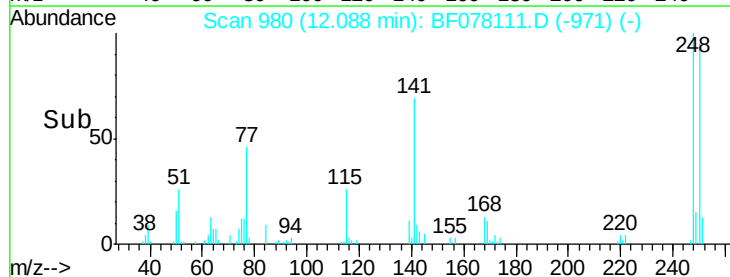
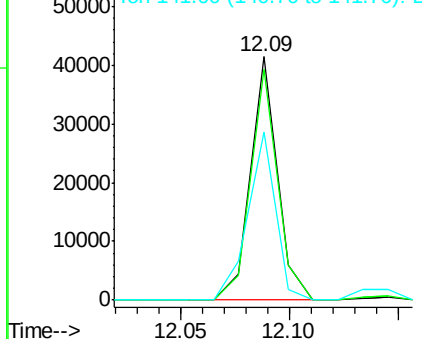


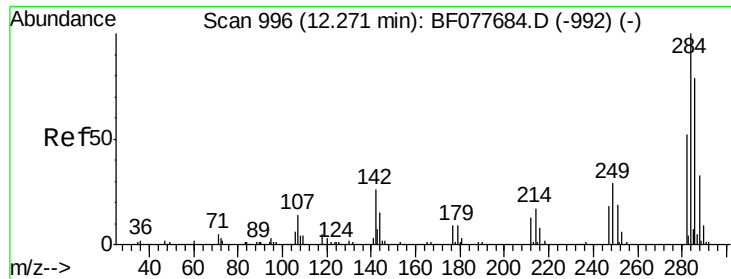
#66
 4-Bromophenyl-phenylether
 Concen: 21.02 ng
 RT: 12.09 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:248 Resp: 35630
 Ion Ratio Lower Upper
 248 100
 250 94.7 77.4 116.0
 141 69.0 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

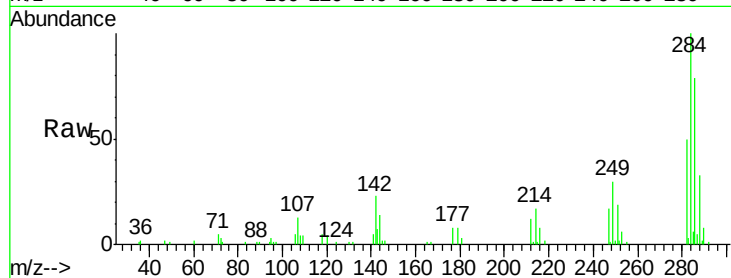




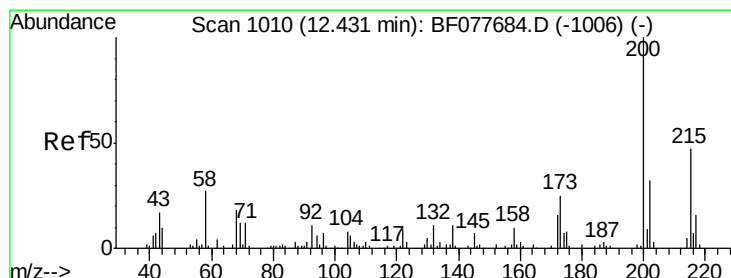
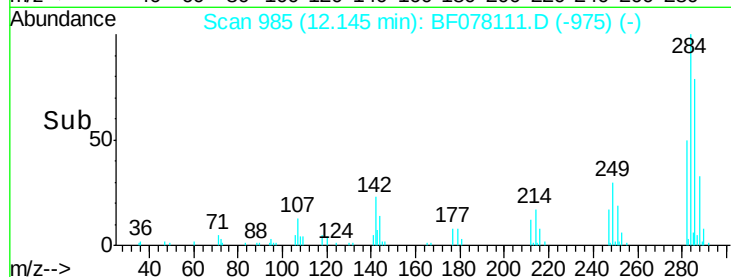
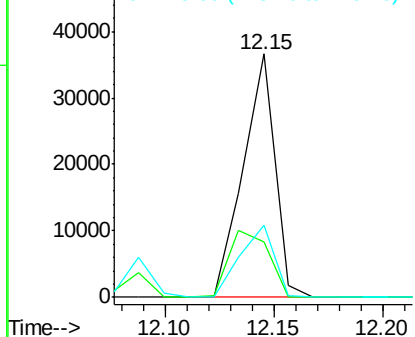
#67
Hexachlorobenzene
Concen: 19.91 ng
RT: 12.15 min Scan# 985
Delta R.T. 0.01 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 284 Resp: 37072
Ion Ratio Lower Upper
284 100
142 22.7 20.4 30.6
249 29.7 23.8 35.6

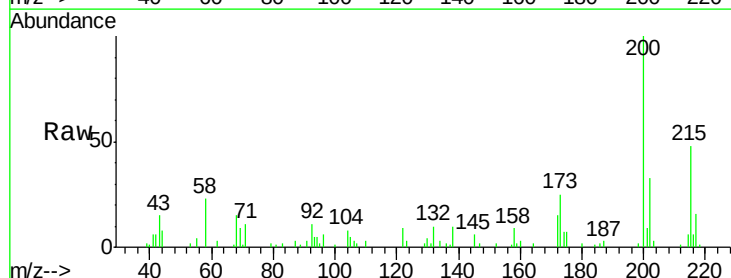


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

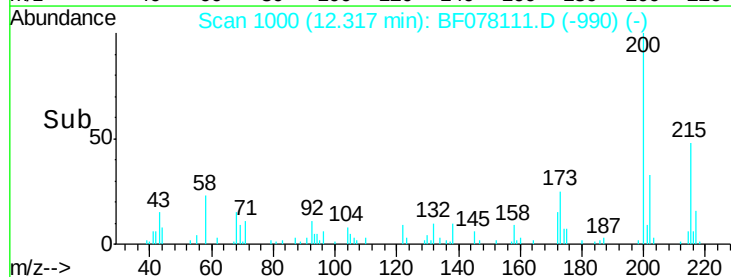
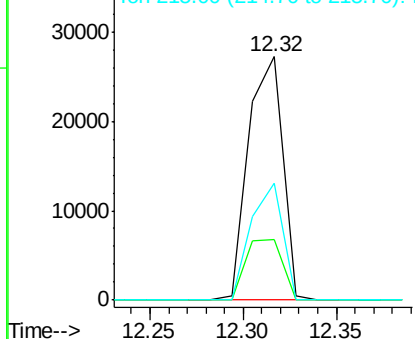


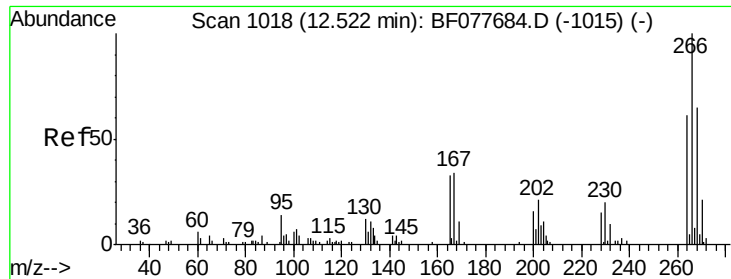
#68
Atrazine
Concen: 23.30 ng
RT: 12.32 min Scan# 1000
Delta R.T. 0.01 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Tgt Ion: 200 Resp: 34524
Ion Ratio Lower Upper
200 100
173 24.6 4.8 44.8
215 47.9 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

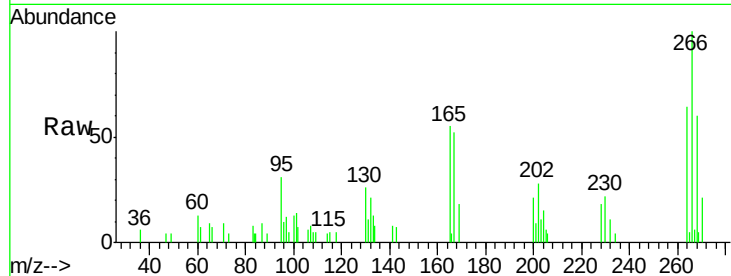




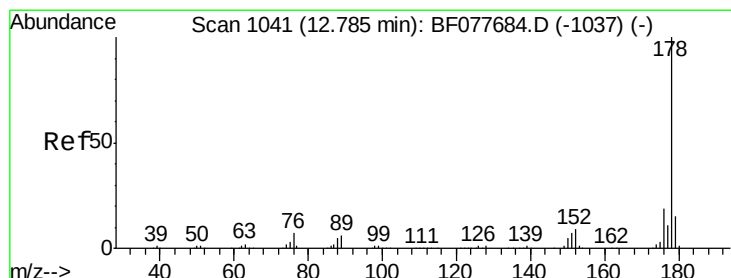
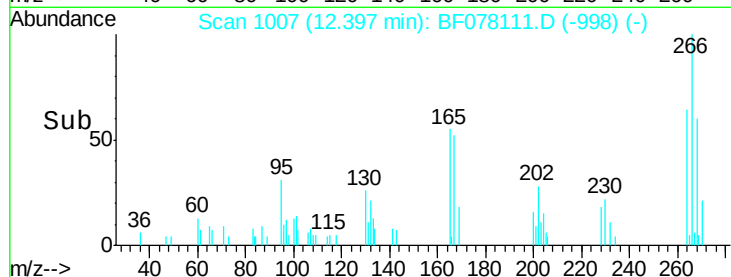
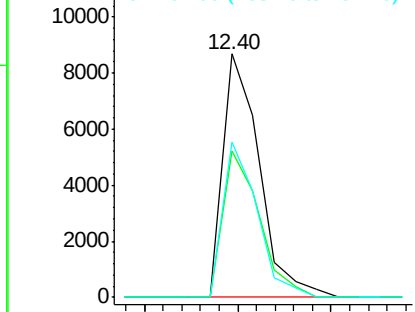
#69
 Pentachlorophenol
 Concen: 14.77 ng
 RT: 12.40 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tgt Ion:266 Resp: 11854
 Ion Ratio Lower Upper
 266 100
 268 59.9 52.0 78.0
 264 63.7 49.0 73.4

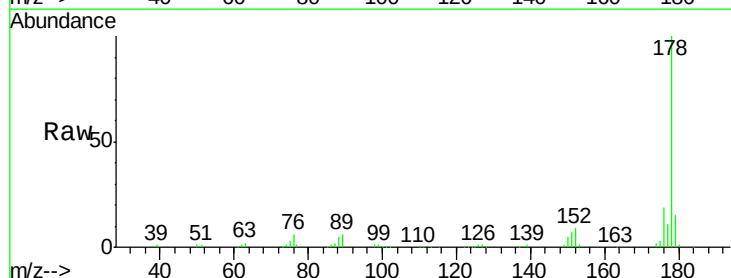


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

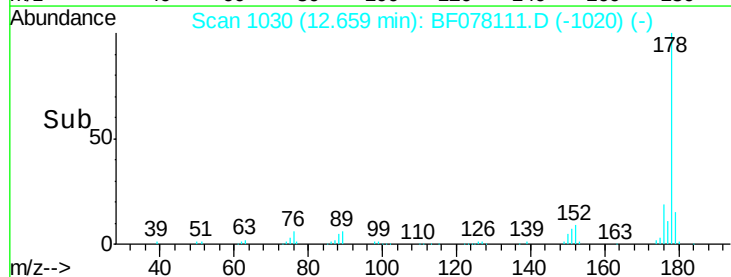
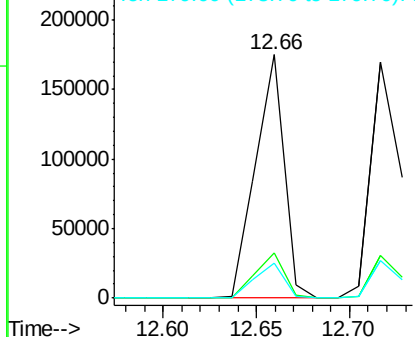


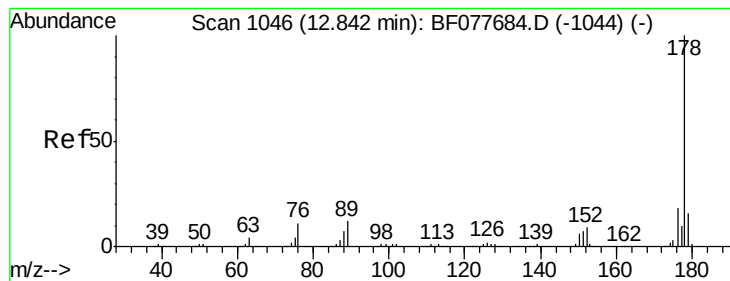
#70
 Phenanthrene
 Concen: 20.38 ng
 RT: 12.66 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:178 Resp: 185806
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.2 22.8
 179 14.6 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: 20.46 ng

RT: 12.72 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

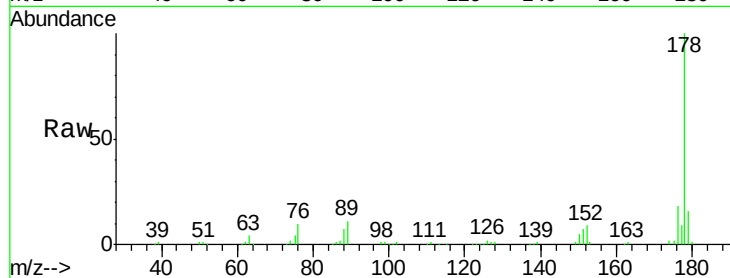
Tgt Ion:178 Resp: 184304

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

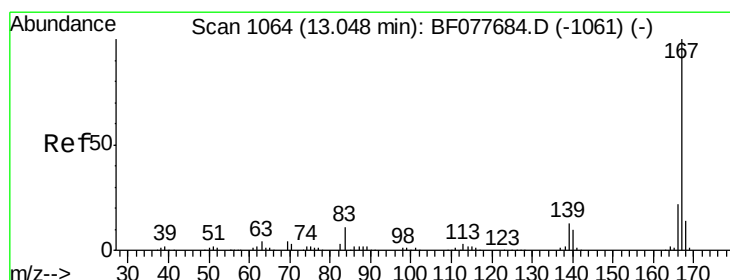
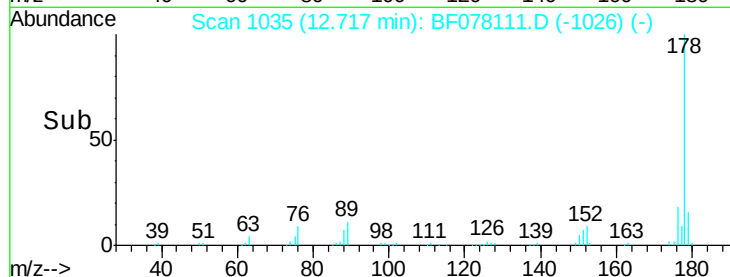
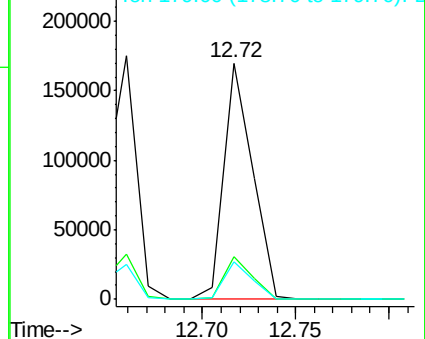
179 15.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 20.33 ng

RT: 12.93 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

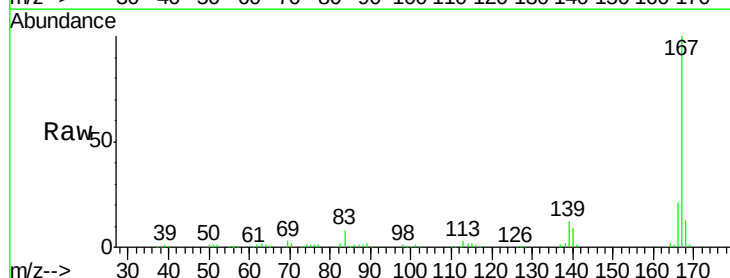
Tgt Ion:167 Resp: 174143

Ion Ratio Lower Upper

167 100

166 21.1 17.2 25.8

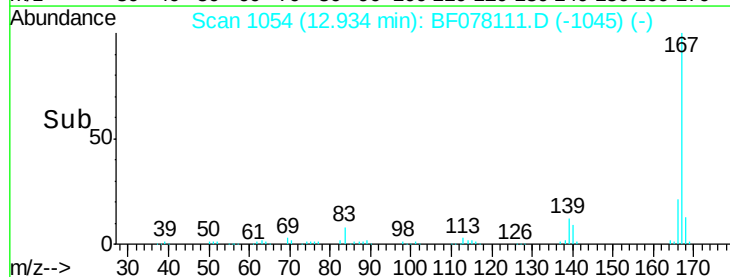
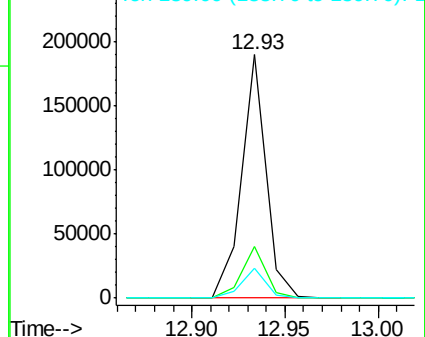
139 12.4 10.8 16.2

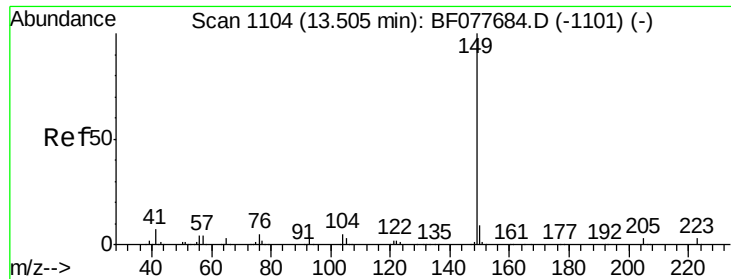


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 20.94 ng

RT: 13.39 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

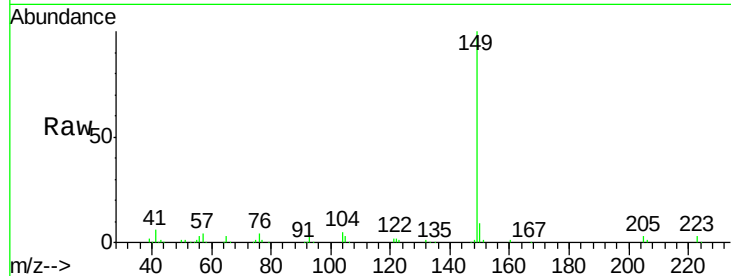
Tgt Ion:149 Resp: 201135

Ion Ratio Lower Upper

149 100

150 9.0 7.5 11.3

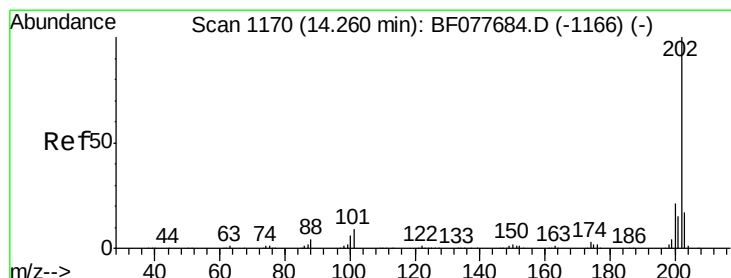
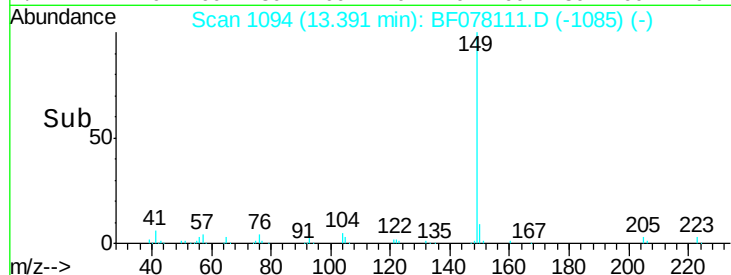
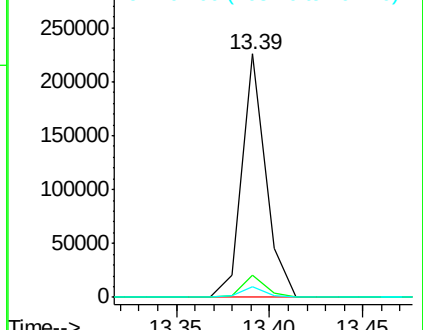
104 4.6 3.7 5.5



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: 20.00 ng

RT: 14.13 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

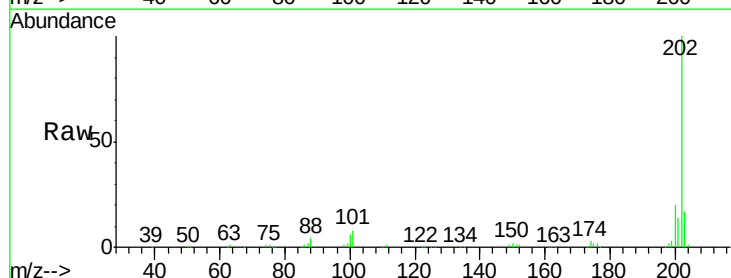
Tgt Ion:202 Resp: 201119

Ion Ratio Lower Upper

202 100

101 8.1 0.0 28.7

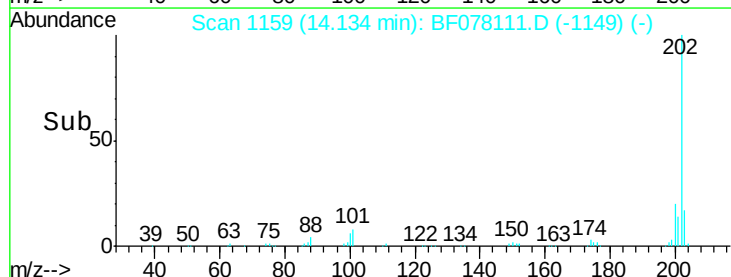
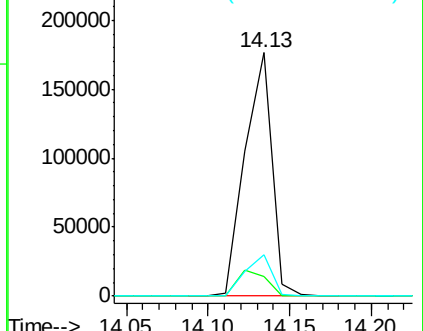
203 17.1 0.0 37.2

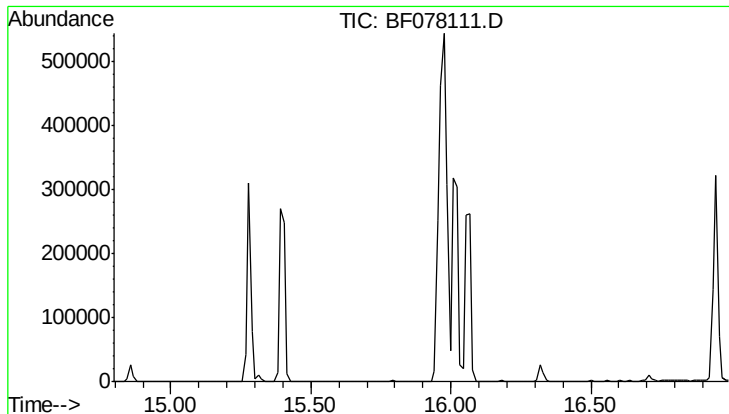


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 0.00 ng

Expected RT: 15.89 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Tgt Ion: 240

Sig Exp Ratio

240 100

120 10.2

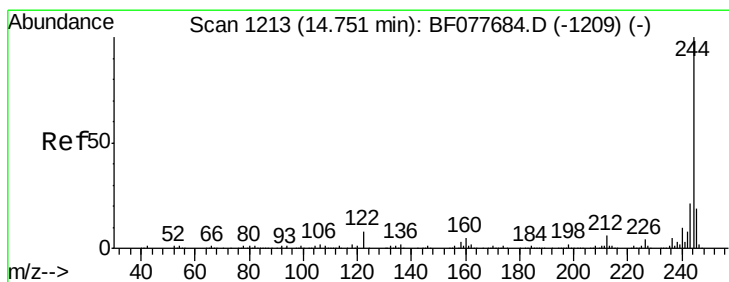
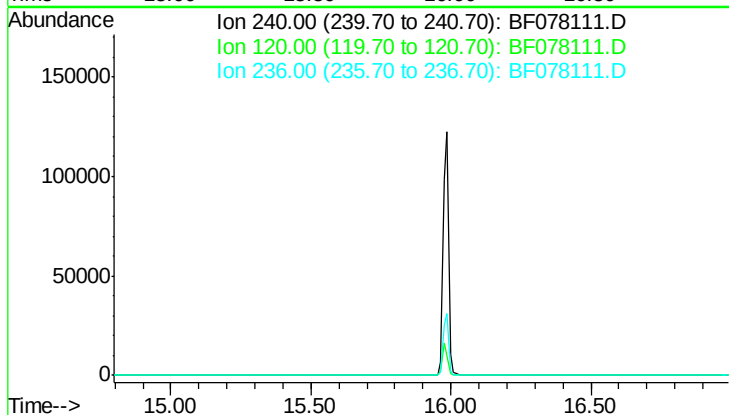
236 25.0

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02



#78

Terphenyl-d14

Concen: 0.00 ng

RT: 14.64 min Scan# 1203

Delta R.T. 0.02 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

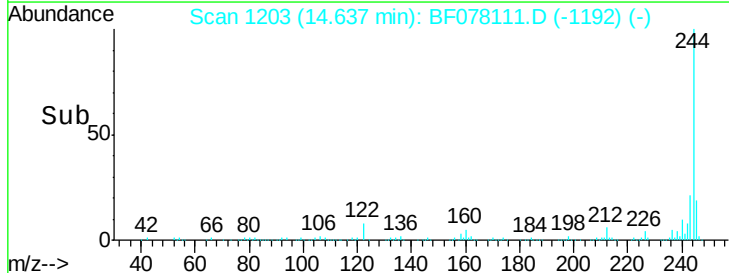
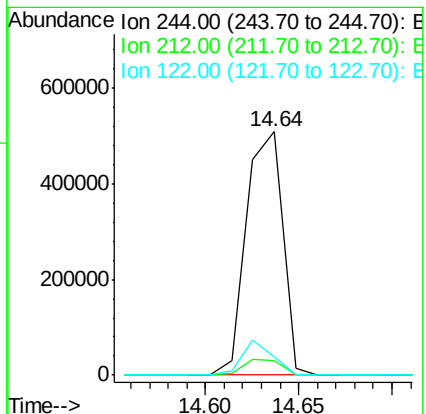
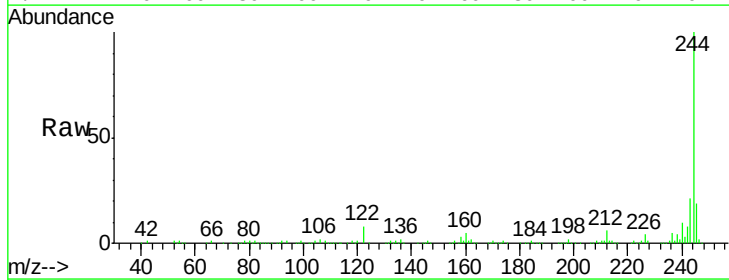
Tgt Ion: 244 Resp: 690735

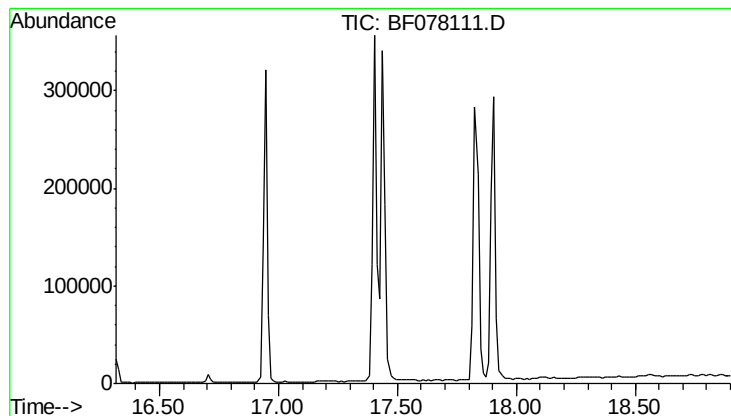
Ion Ratio Lower Upper

244 100

212 6.1 4.9 7.3

122 7.7 6.2 9.4





#86
Perylene-d12
Concen: 0.00 ng
Expected RT: 17.61 min

Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tgt Ion: 264
Sig Exp Ratio
264 100
260 23.2
265 21.6

