

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 : LOO-SOIL-20PPM
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Quant Time: Apr 01 02:32:42 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	15.99	240	165319m	20.00	ng	0.09
86) Perylene-d12	17.91	264	150842m	20.00	ng	0.30

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	102.06	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	19494m	17.12	ng	
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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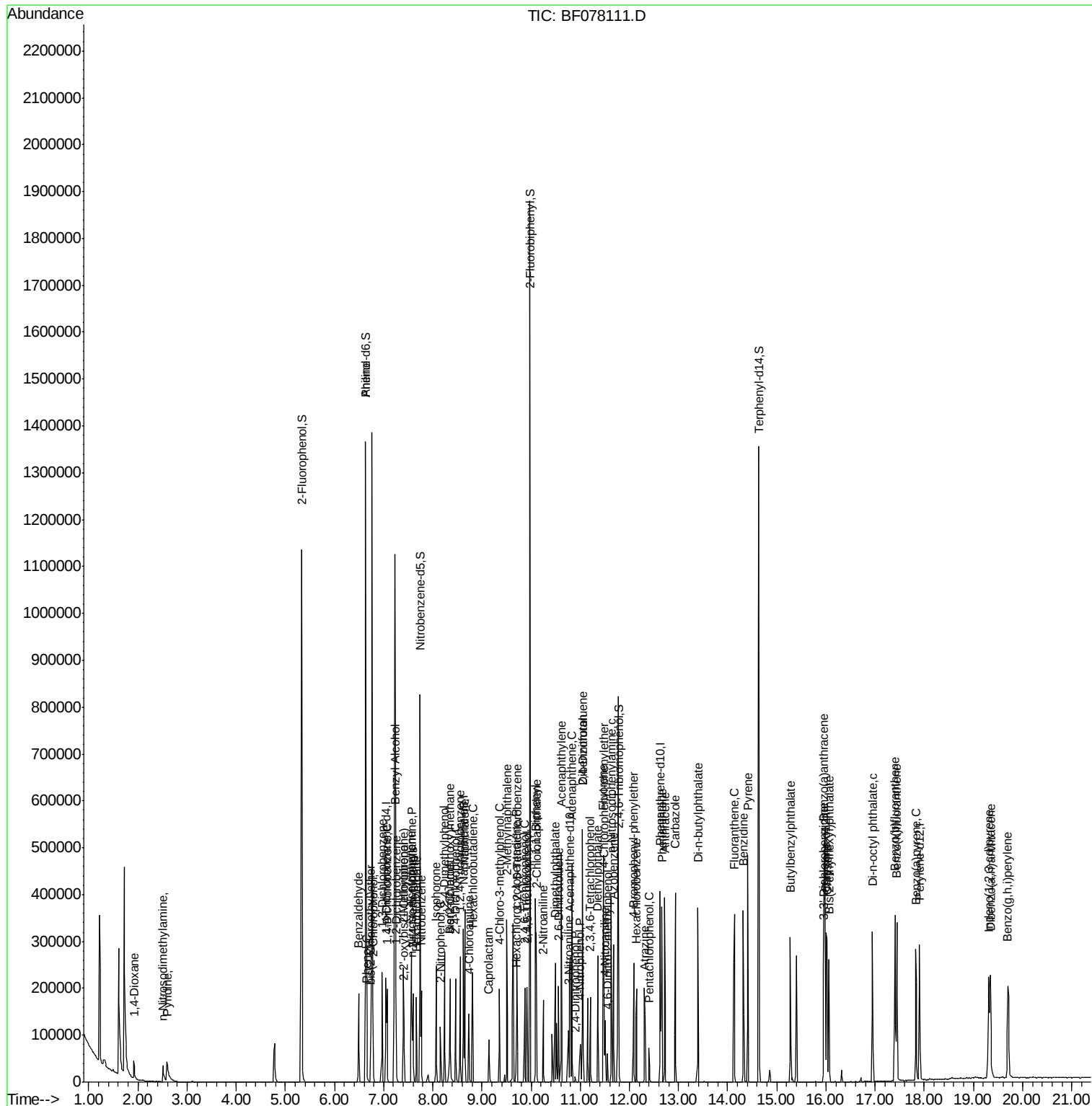
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42) 2,4,6-Trichlorophenol	9.87	196	32174	19.37	nq	99
43) 2,4,5-Trichlorophenol	9.92	196	35298	19.67	nq	# 91
45) 1,1'-Biphenyl	10.09	154	135683	21.11	nq	97
46) 2-Chloronaphthalene	10.11	162	108576	20.79	nq	98
47) 2-Nitroaniline	10.25	65	27076	20.88	nq	97
48) Acenaphthylene	10.61	152	169645	19.53	nq	99
49) Dimethylphthalate	10.49	163	126635	21.24	nq	99
50) 2,6-Dinitrotoluene	10.56	165	26114	21.13	nq	95
51) Acenaphthene	10.83	154	101405	20.37	nq	99
52) 3-Nitroaniline	10.76	138	27735	19.32	nq	100
53) 2,4-Dinitrophenol	10.90	184	2710	13.43	nq	# 80
54) Dibenzofuran	11.05	168	156877	21.24	nq	99
55) 4-Nitrophenol	11.00	139	18363	17.27	nq	93
56) 2,4-Dinitrotoluene	11.05	165	34271	21.27	nq	96
57) Fluorene	11.47	166	127572	20.80	nq	100
58) 2,3,4,6-Tetrachlorophenol	11.21	232	27254	19.73	nq	# 100
59) Diethylphthalate	11.36	149	120112	20.68	nq	96
60) 4-Chlorophenyl-phenylether	11.48	204	58083	20.75	nq	93
61) 4-Nitroaniline	11.51	138	28893	20.20	nq	# 77
62) Azobenzene	11.68	77	115787	20.85	nq	94
64) 4,6-Dinitro-2-methylphenol	11.55	198	9520	15.86	nq	91
65) n-Nitrosodiphenylamine	11.63	169	107833	20.39	nq	98
66) 4-Bromophenyl-phenylether	12.09	248	35630	21.02	nq	# 92
67) Hexachlorobenzene	12.15	284	37072	19.91	nq	97
68) Atrazine	12.32	200	34524	23.30	nq	99
69) Pentachlorophenol	12.40	266	11854	14.77	nq	95
70) Phenanthrene	12.66	178	185806	20.38	nq	99
71) Anthracene	12.72	178	184304	20.46	nq	99
72) Carbazole	12.93	167	174143	20.33	nq	98
73) Di-n-butylphthalate	13.39	149	201135	20.94	nq	99
74) Fluoranthene	14.13	202	201119	20.00	nq	99
76) Benzidine	14.32	184	159329	38.95	nq	99
77) Pyrene	14.41	202	212877	20.48	nq	99
79) Butylbenzylphthalate	15.28	149	81414	19.86	nq	92
80) Benzo(a)anthracene	15.96	228	198715m	20.28	nq	
81) 3,3'-Dichlorobenzidine	15.95	252	55691m	17.23	nq	
82) Chrysene	16.02	228	182267m	20.68	nq	
83) Bis(2-ethylhexyl)phthalate	16.07	149	123305m	19.86	nq	
84) Di-n-octyl phthalate	16.95	149	202372m	19.06	nq	
85) Indeno(1,2,3-cd)pyrene	19.31	276	189583m	17.24	nq	
87) Benzo(b)fluoranthene	17.40	252	193082m	19.61	nq	
88) Benzo(k)fluoranthene	17.44	252	166047m	21.59	nq	
89) Benzo(a)pyrene	17.83	252	166827m	20.30	nq	
90) Dibenzo(a,h)anthracene	19.35	278	157835m	19.37	nq	
91) Benzo(g,h,i)perylene	19.70	276	163137m	19.66	nq	

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

```
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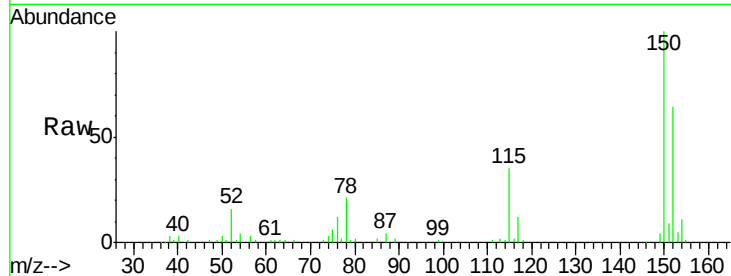


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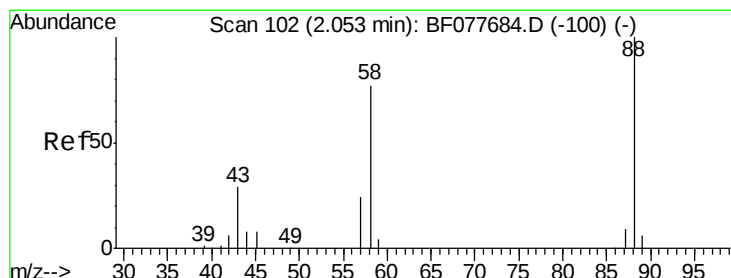
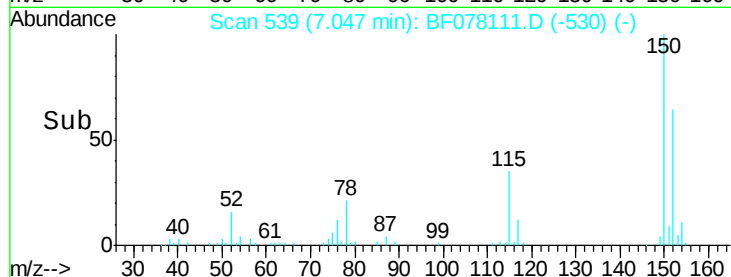
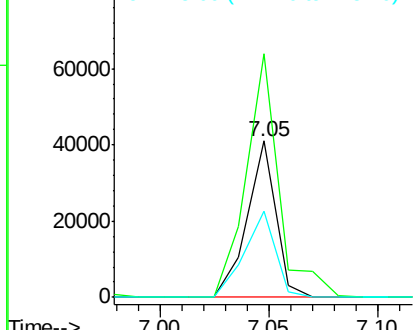
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.05 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:152 Resp: 37414
Ion Ratio Lower Upper
152 100
150 155.7 119.5 179.3
115 55.1 43.0 64.4



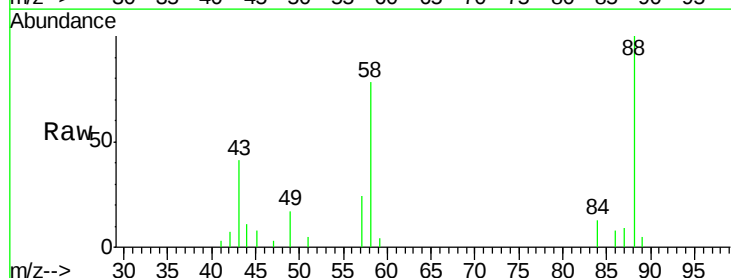
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



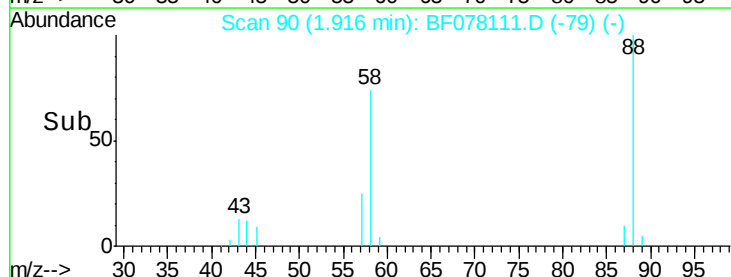
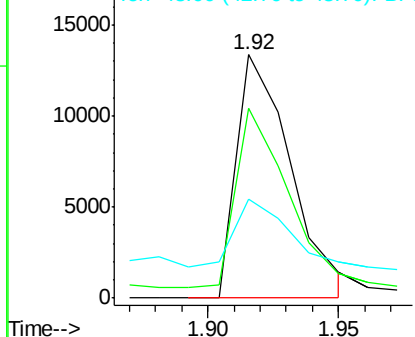
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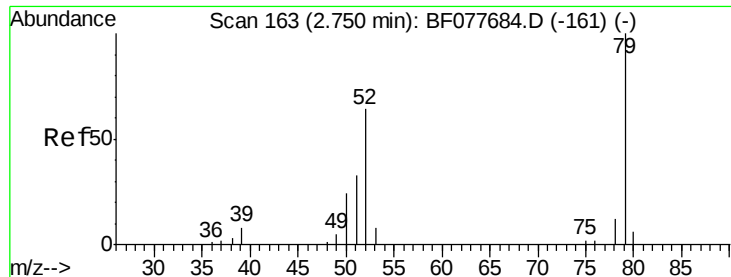
1,4-Dioxane
Concen: 19.99 ng
RT: 1.92 min Scan# 90
Delta R.T. 0.02 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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

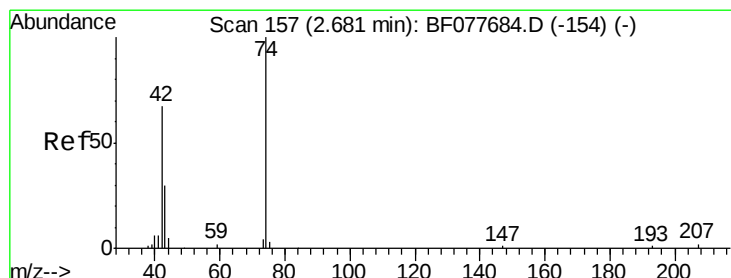
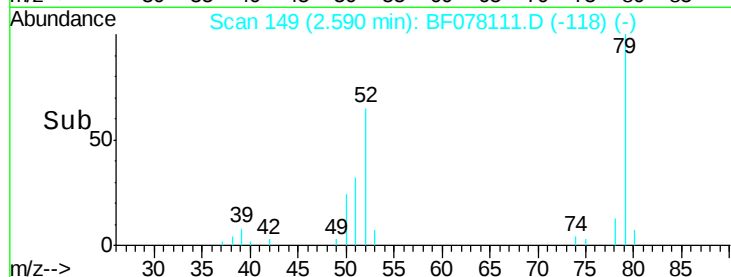
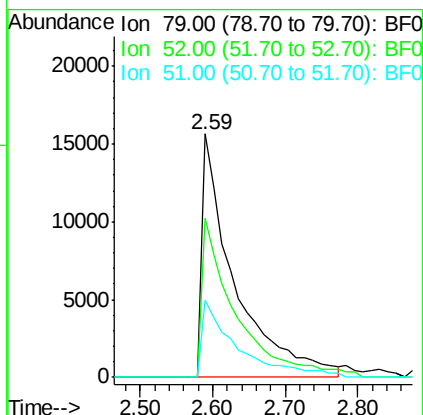
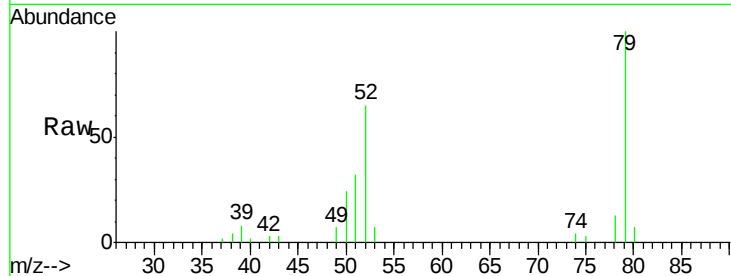




#3
 Pvridine
 Concen: 18.50 ng
 RT: 2.59 min Scan# 149
 Delta R.T. 0.06 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

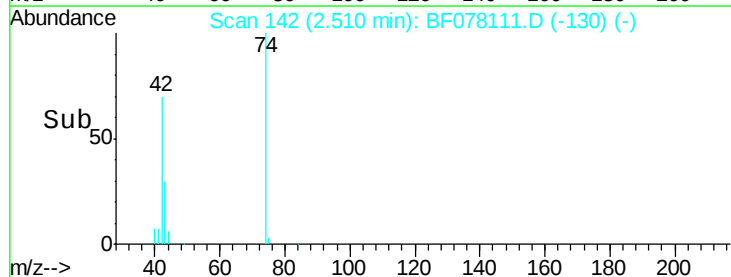
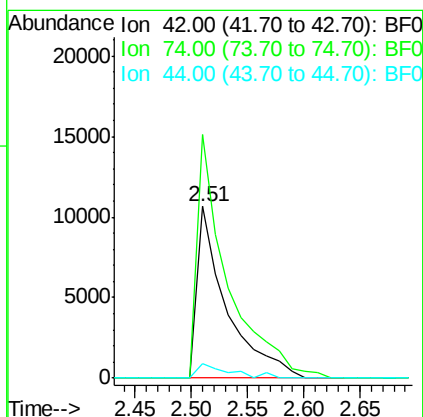
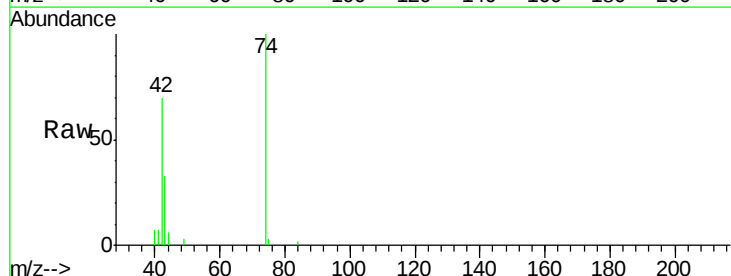
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion: 79 Resp: 48380
 Ion Ratio Lower Upper
 79 100
 52 65.5 51.1 76.7
 51 31.9 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 17.12 ng m
 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: 19494
 Ion Ratio Lower Upper
 42 100
 74 141.9 119.3 178.9
 44 8.2 5.4 8.2





#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

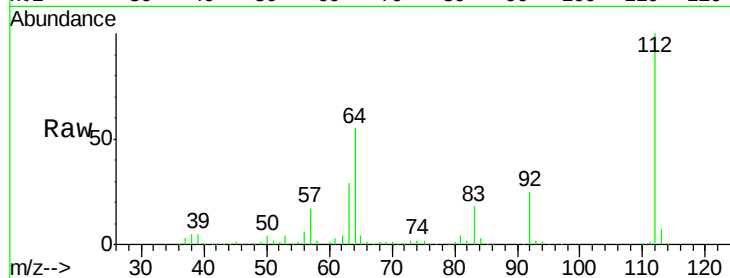
Tot Ion: 112 Resp: 357822

Ion Ratio Lower Upper

112 100

64 55.2 38.6 57.8

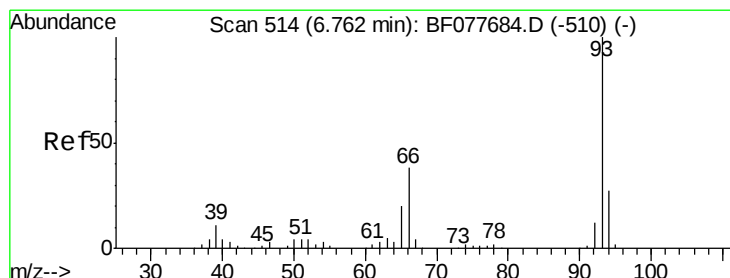
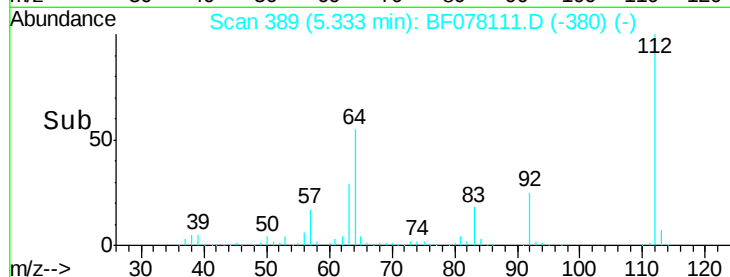
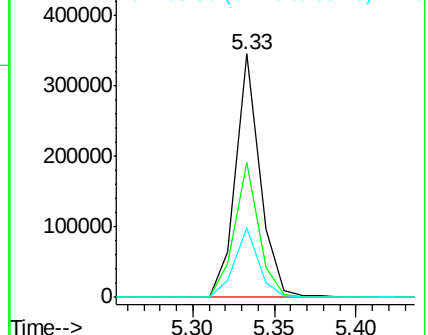
63 28.7 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#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

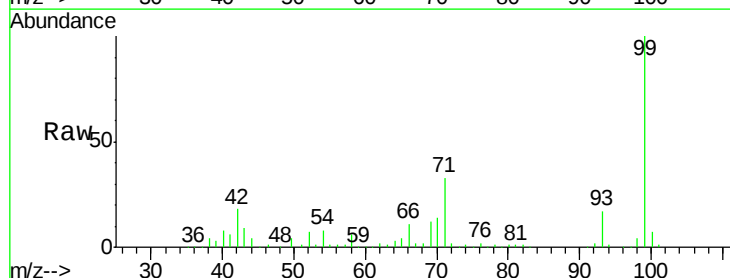
Tgt Ion: 93 Resp: 75439

Ion Ratio Lower Upper

93 100

66 60.9 30.8 46.2#

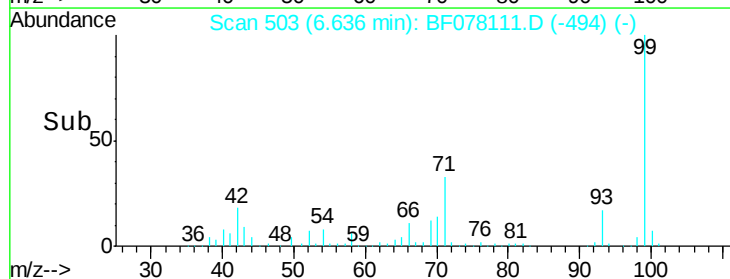
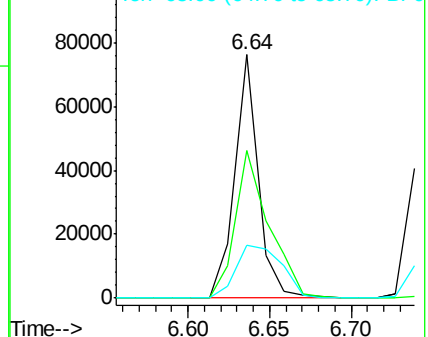
65 22.0 16.0 24.0

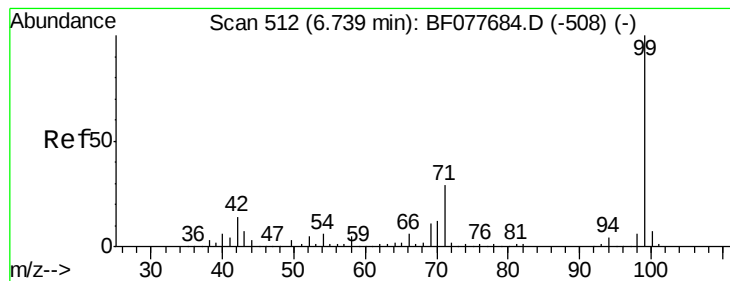


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): 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 :

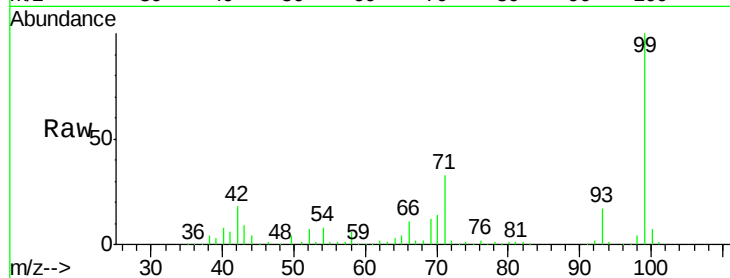
BNA_F

ClientSampleId :

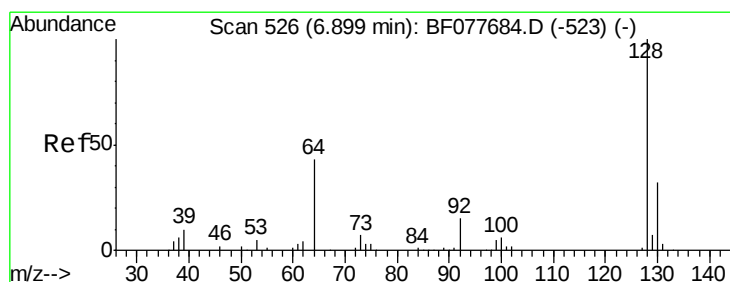
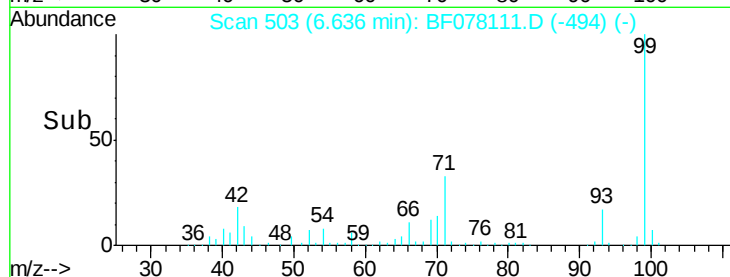
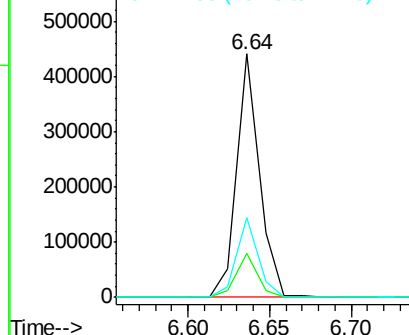
LOQ-SOIL2015-02

Tot 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

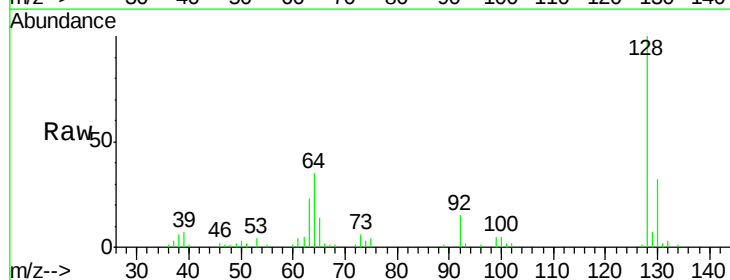
Delta R.T. 0.00 min

Lab File: BF078111.D

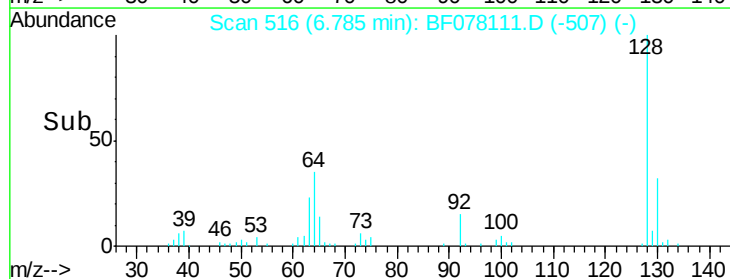
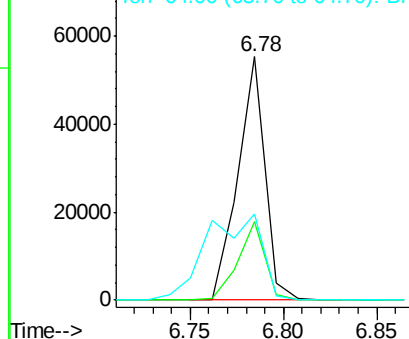
Acq: 31 Mar 2015 13:29

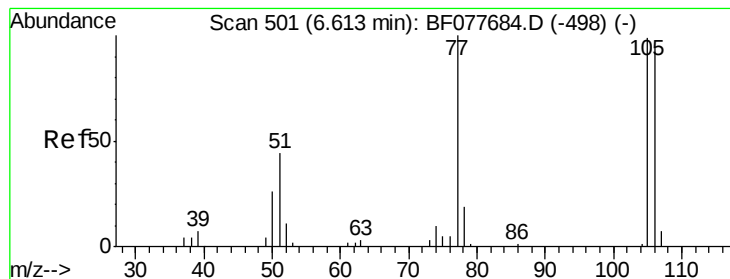
Tgt Ion: 128 Resp: 56091

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

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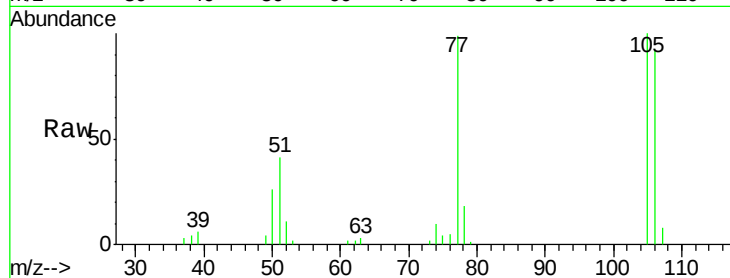
Tot Ion: 77 Resp: 42580

Ion Ratio Lower Upper

77 100

105 101.5 78.8 118.8

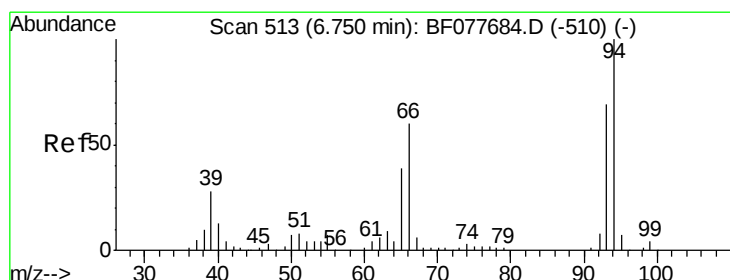
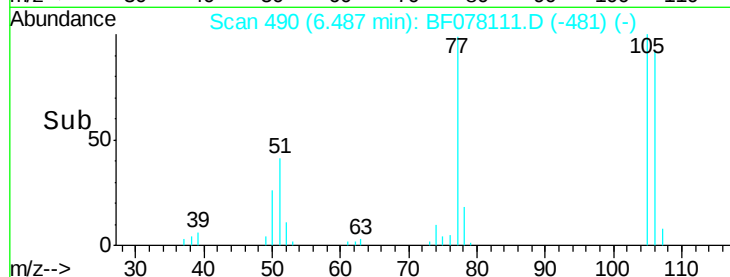
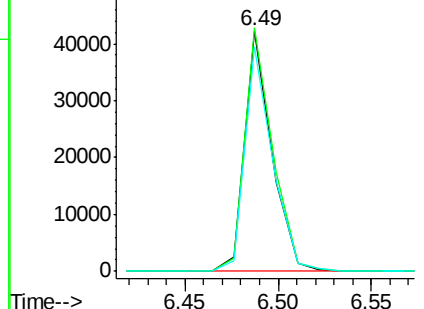
106 93.7 73.7 113.7



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

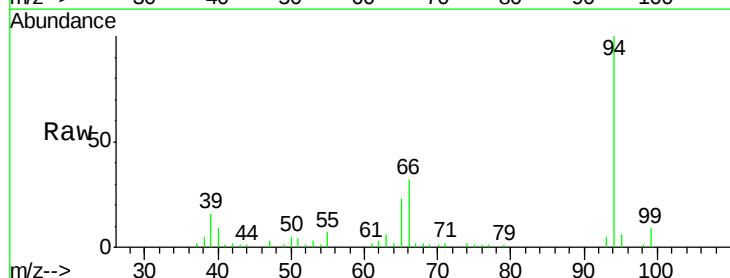
Tgt Ion: 94 Resp: 67498

Ion Ratio Lower Upper

94 100

65 23.0 18.8 58.8

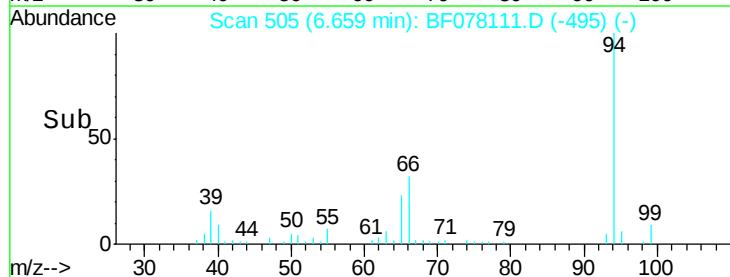
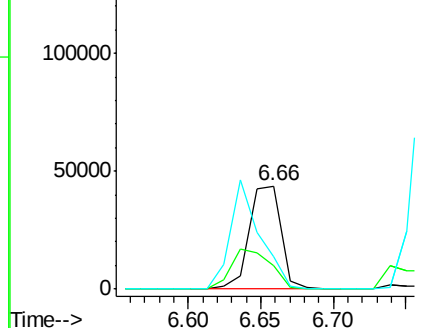
66 31.8 39.9 79.9#

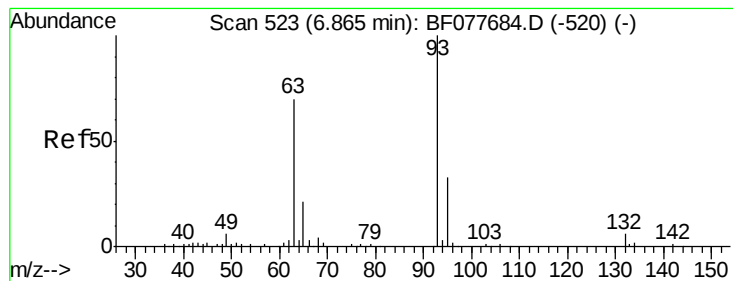


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

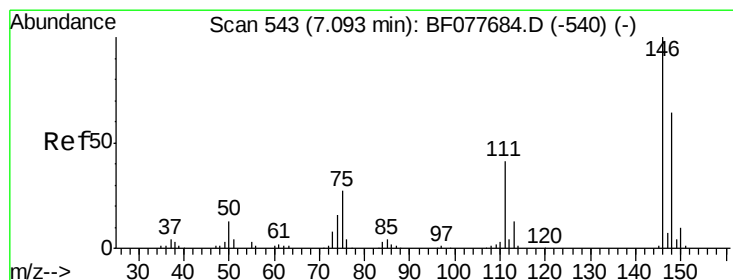
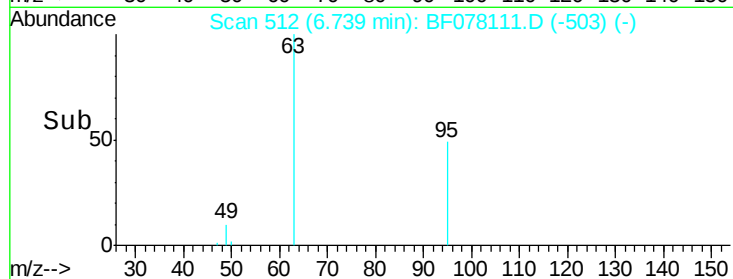
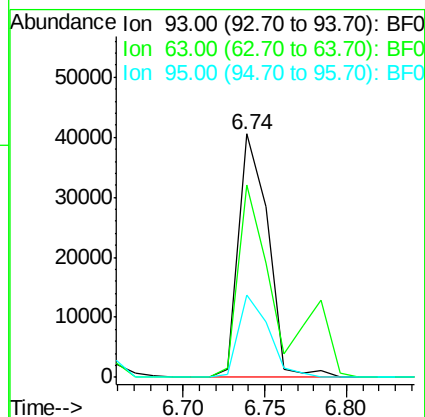
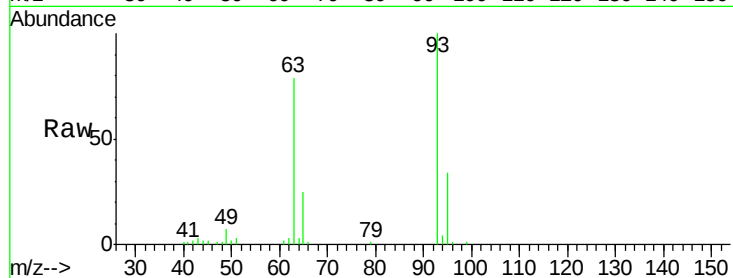




#11
bis(2-Chloroethyl)ether
Concen: 21.45 ng
RT: 6.74 min Scan# 512
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

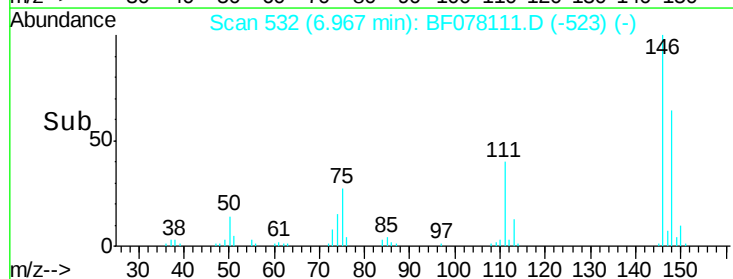
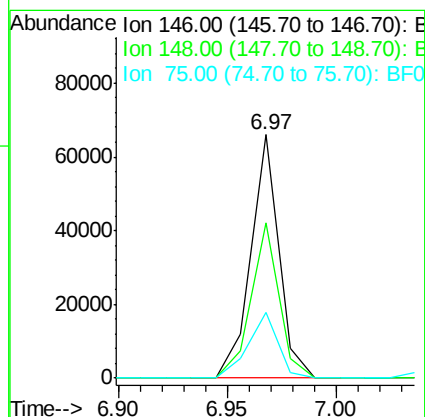
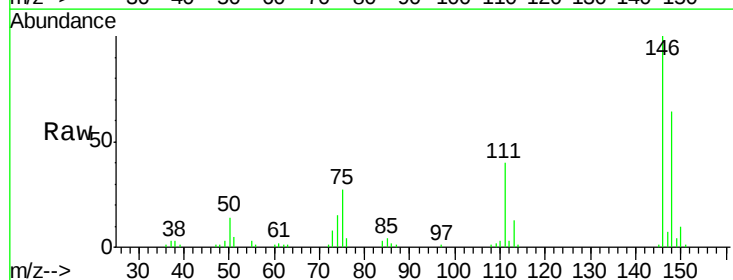
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

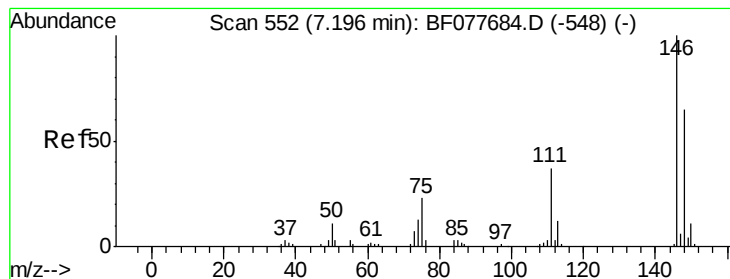
Tot Ion: 93 Resp: 50294
Ion Ratio Lower Upper
93 100
63 78.9 49.5 89.5
95 33.6 13.5 53.5



#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

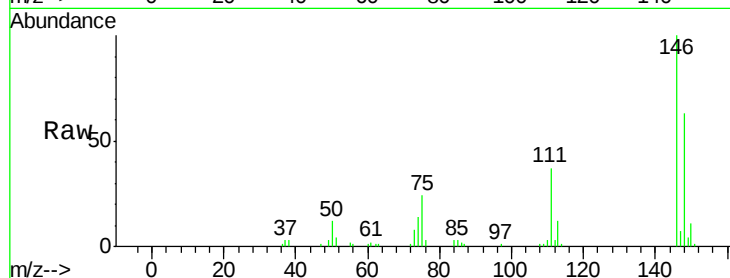
Tot Ion:146 Resp: 60072

Ion Ratio Lower Upper

146 100

148 63.4 51.9 77.9

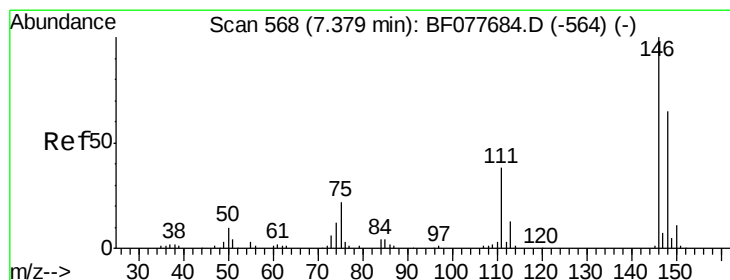
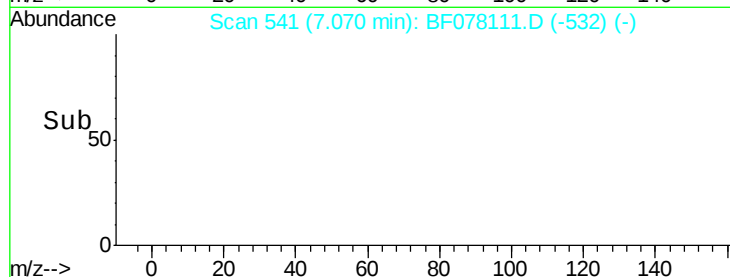
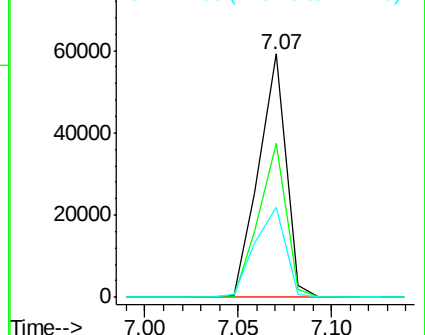
111 36.7 29.2 43.8



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

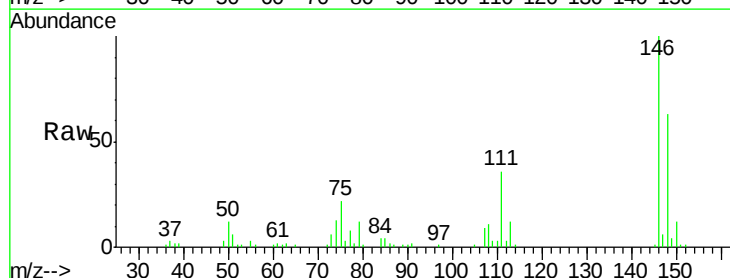
Tgt Ion:146 Resp: 55690

Ion Ratio Lower Upper

146 100

148 62.7 52.3 78.5

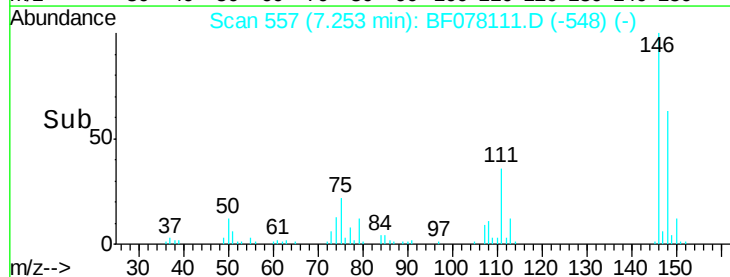
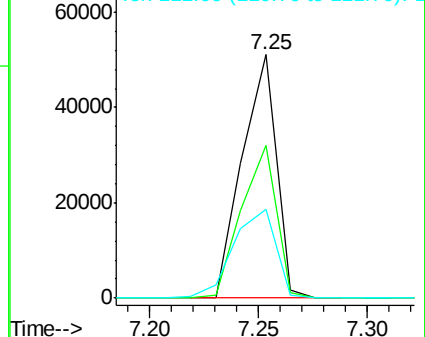
111 36.4 30.6 45.8



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

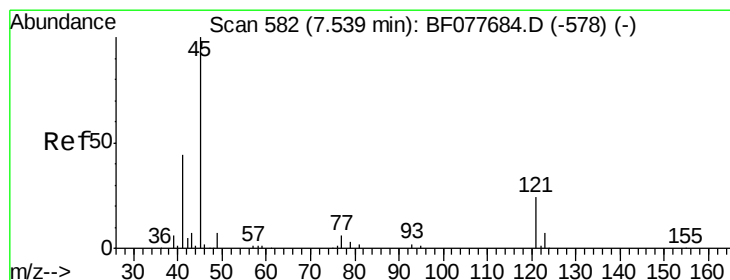
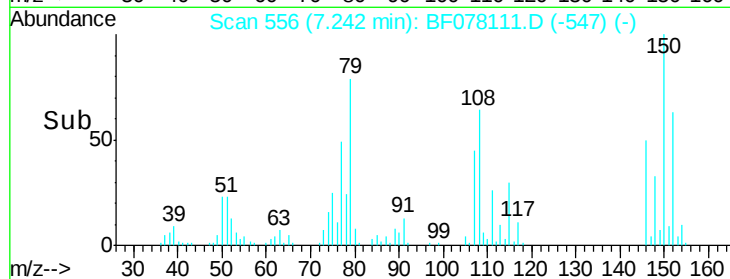
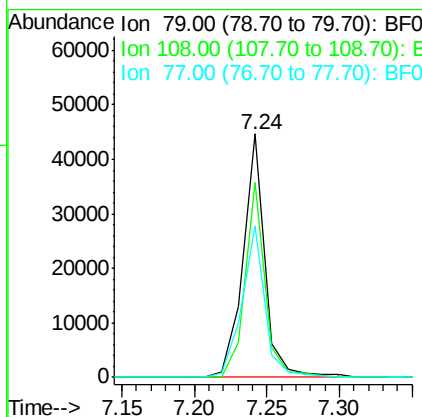
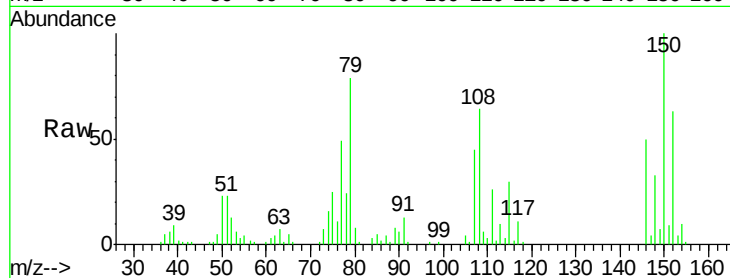




#15
Benzyl Alcohol
Concen: 22.72 ng
RT: 7.24 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

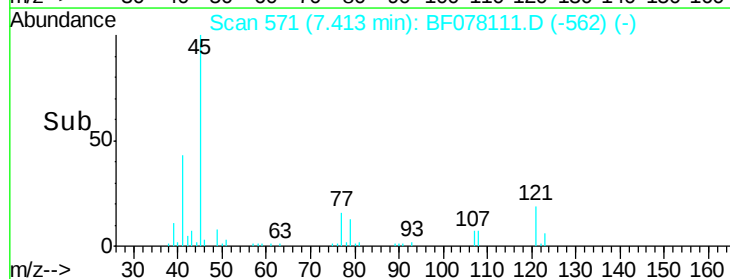
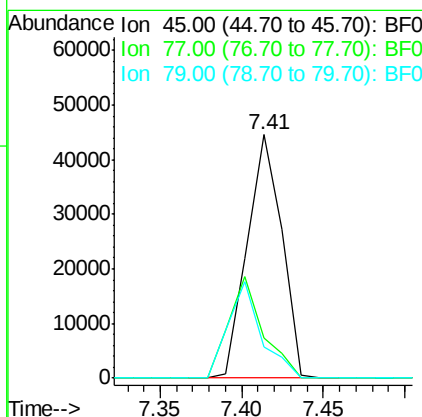
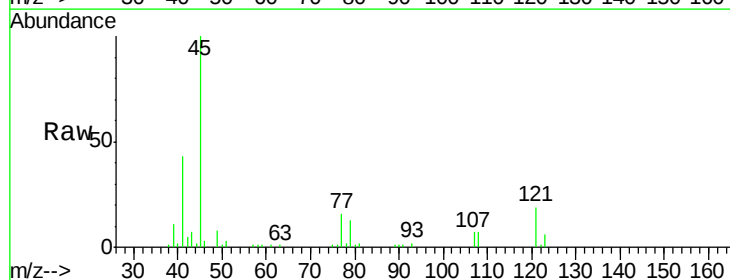
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

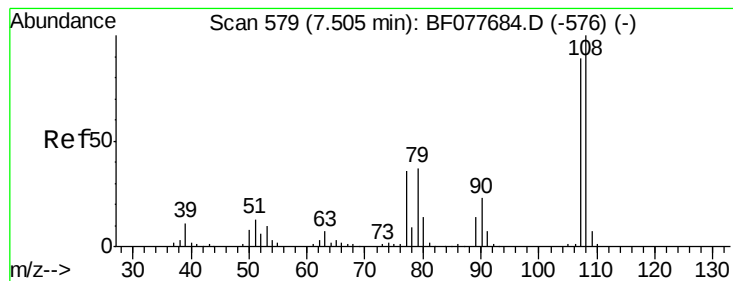
Tot Ion: 79 Resp: 46975
Ion Ratio Lower Upper
79 100
108 80.3 65.0 97.4
77 62.1 53.0 79.6



#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

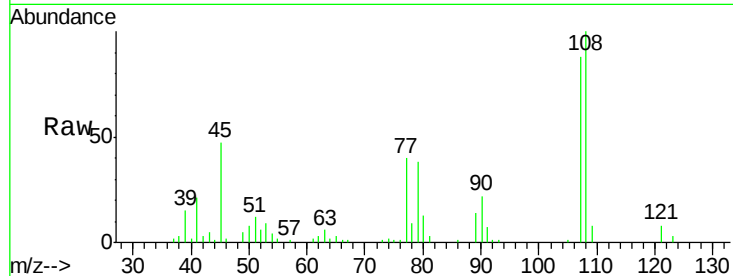




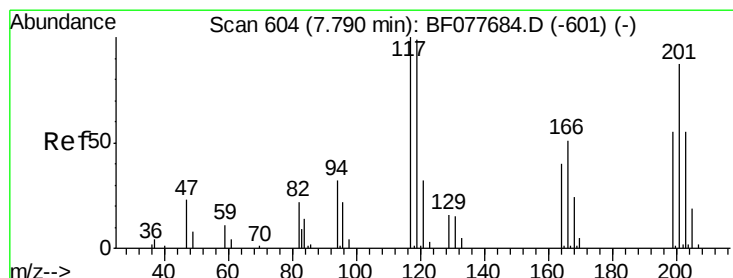
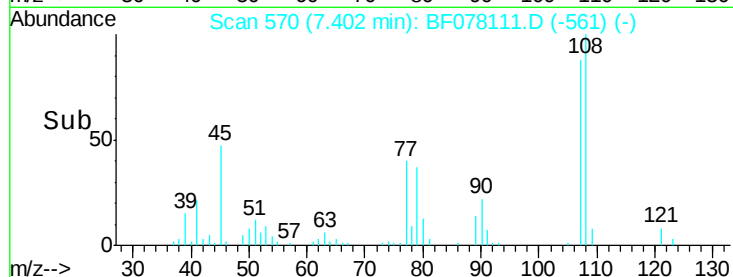
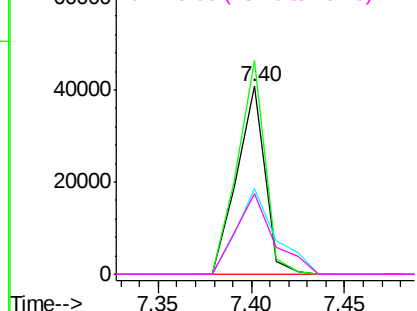
#17
2-Methylphenol
Concen: 20.71 ng
RT: 7.40 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot 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

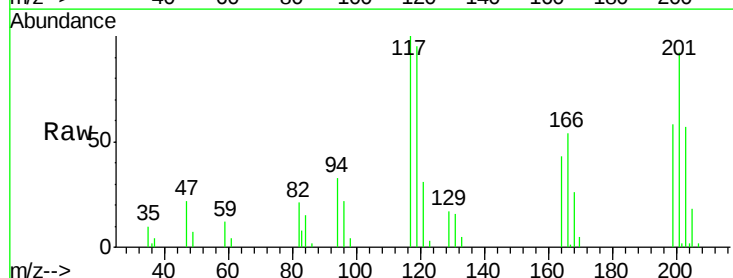


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

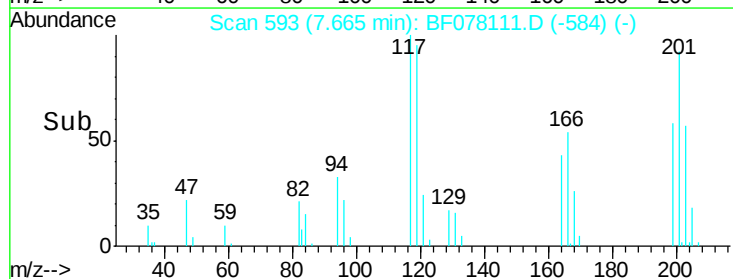
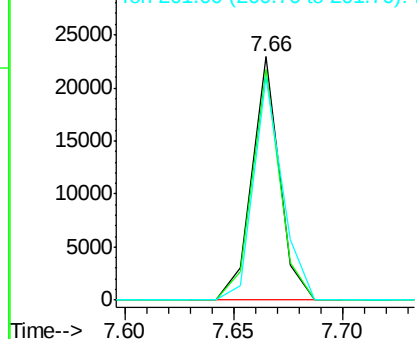


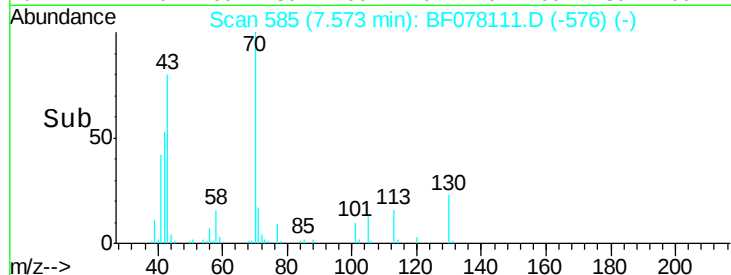
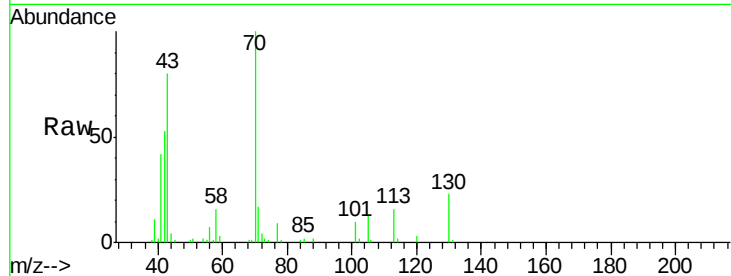
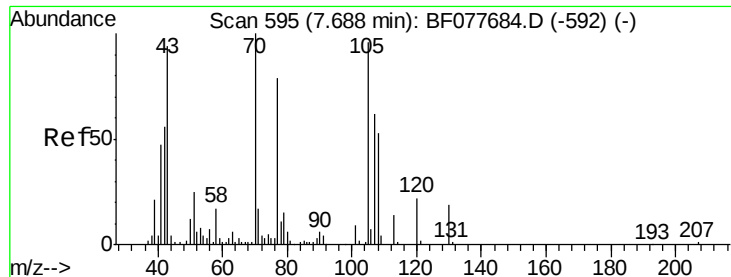
#18
Hexachloroethane
Concen: 20.78 ng
RT: 7.66 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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

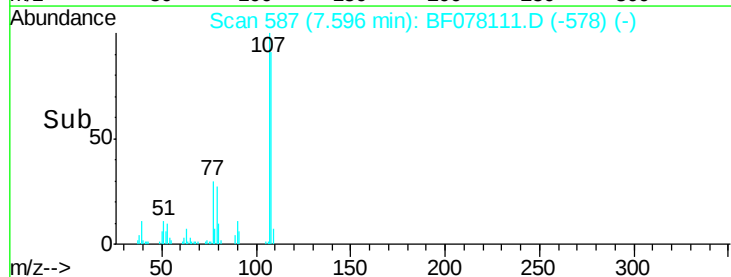
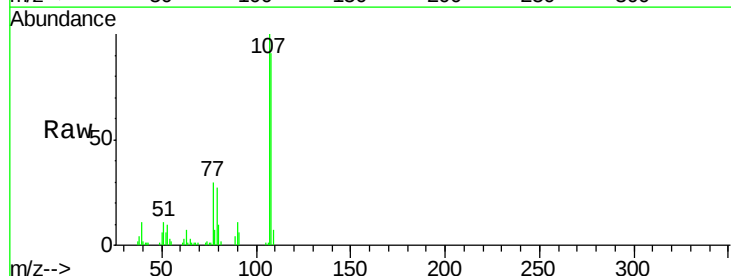
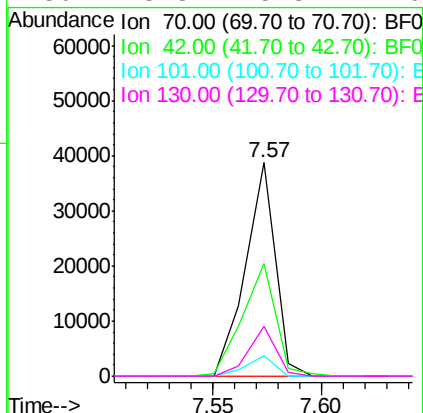




#19
n-Nitroso-di-n-propylamine
Concen: 20.13 ng
RT: 7.57 min Scan# 585
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

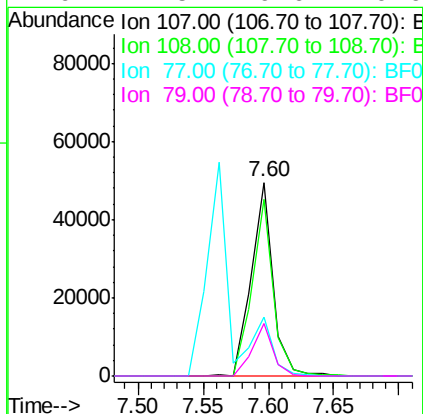
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

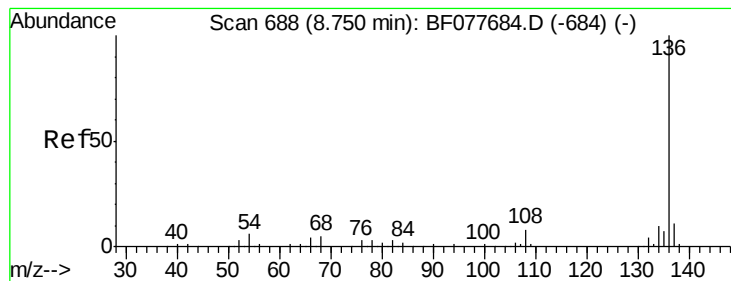
Tot Ion: 70 Resp: 36880
Ion Ratio Lower Upper
70 100
42 52.9 44.5 66.7
101 9.8 7.4 11.2
130 23.3 15.3 22.9#



#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

Tot Ion:136 Resp: 158675

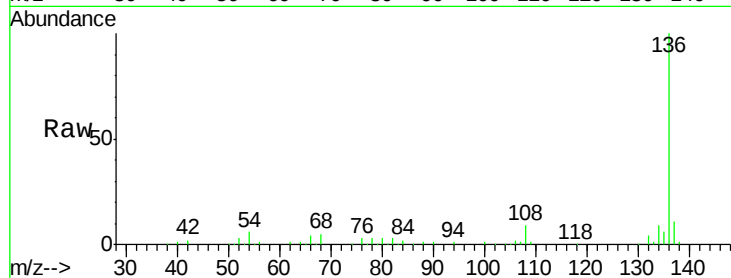
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 6.0 4.6 6.8

68 5.1 3.7 5.5

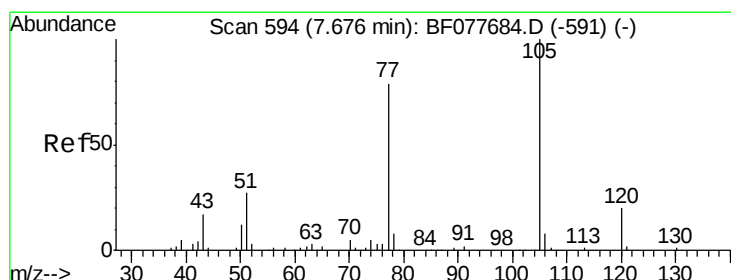
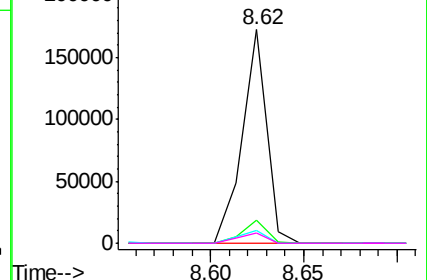
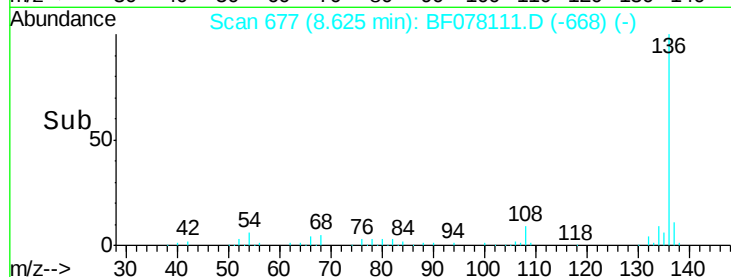


Abundance Ion 136.00 (135.70 to 136.70): E

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

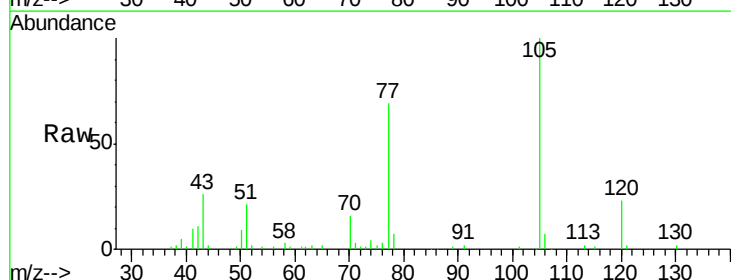
Ion Ratio Lower Upper

105 100

71 3.0 0.6 1.0#

51 21.2 21.6 32.4#

120 22.6 16.1 24.1

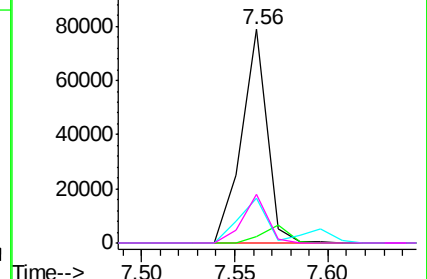
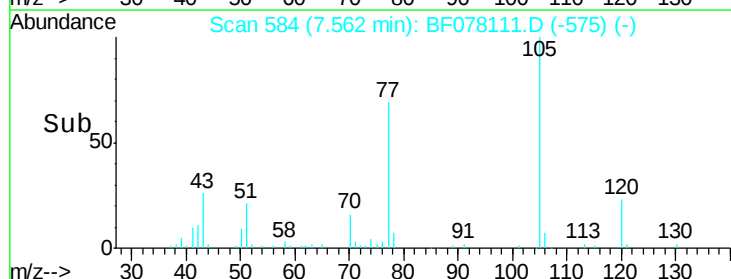


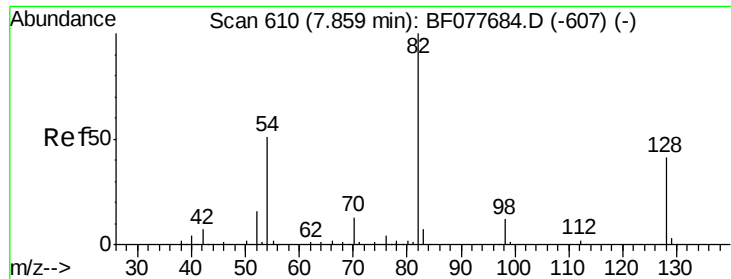
Abundance Ion 105.00 (104.70 to 105.70): E

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

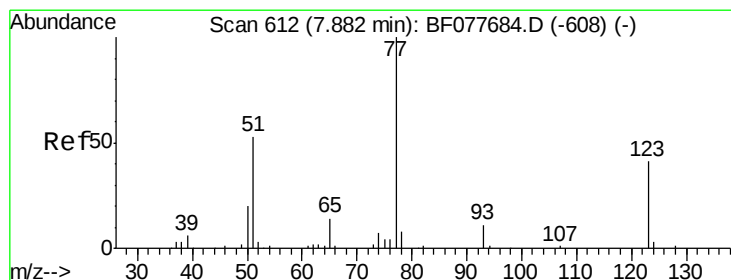
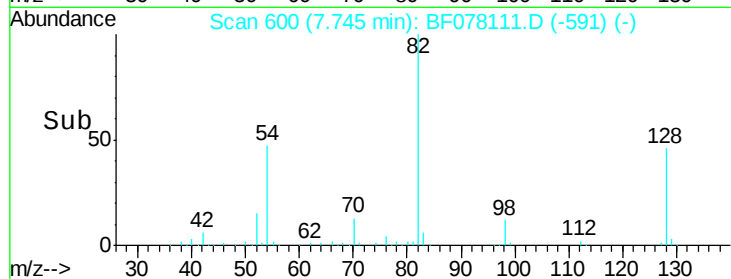
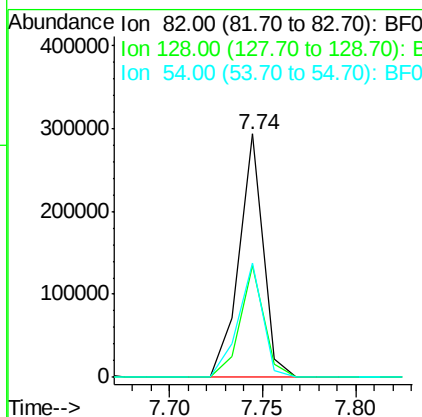
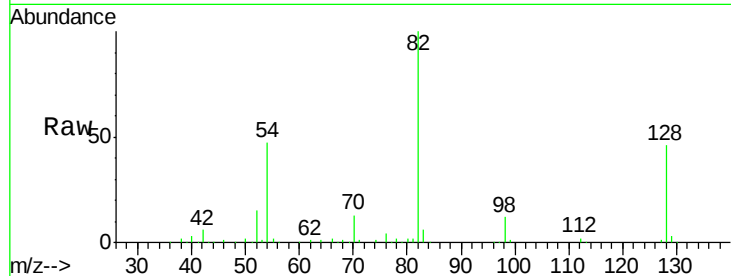




#23
 Nitrobenzene-d5
 Concen: 109.97 ng
 RT: 7.74 min Scan# 600
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

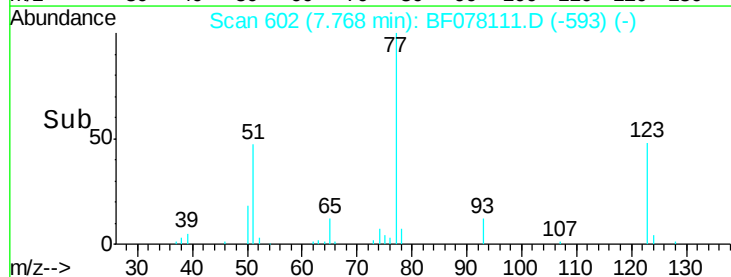
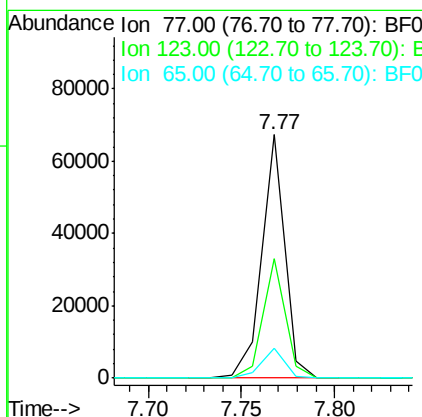
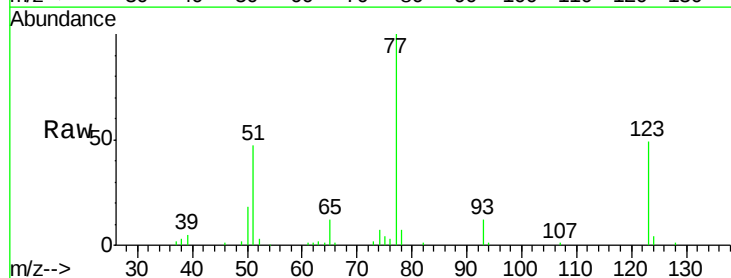
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

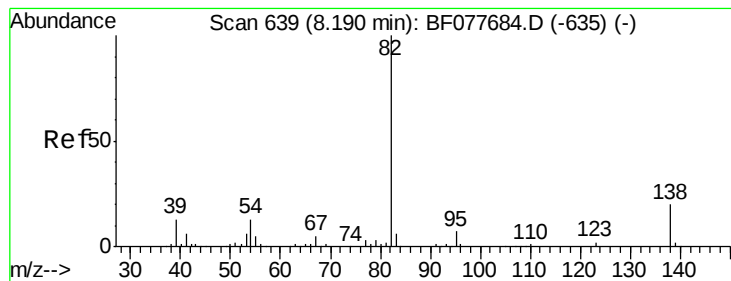
Tot Ion	82	Resp	266202
Ion Ratio	100	Lower	Upper
128	46.1	32.8	49.2
54	46.9	40.6	60.8



#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	100	Lower	Upper
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

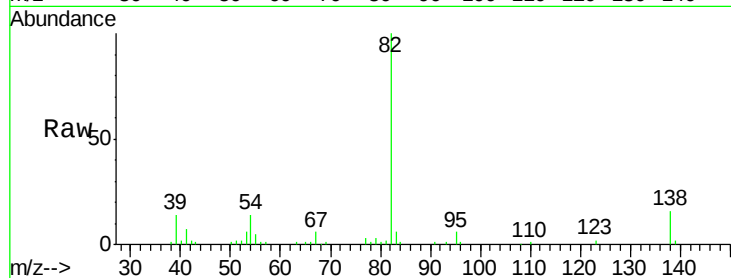
Tot Ion: 82 Resp: 99425

Ion Ratio Lower Upper

82 100

95 6.2 5.8 8.6

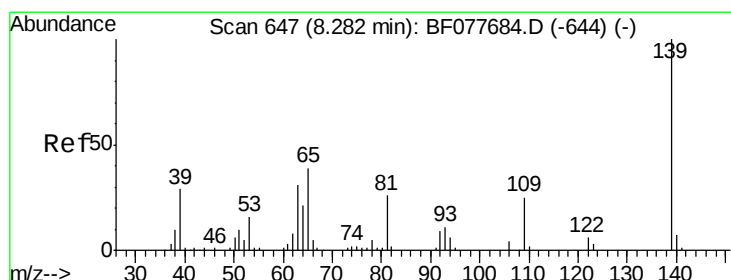
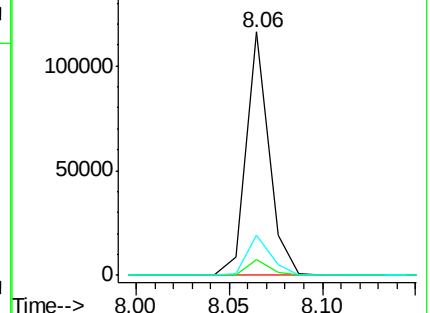
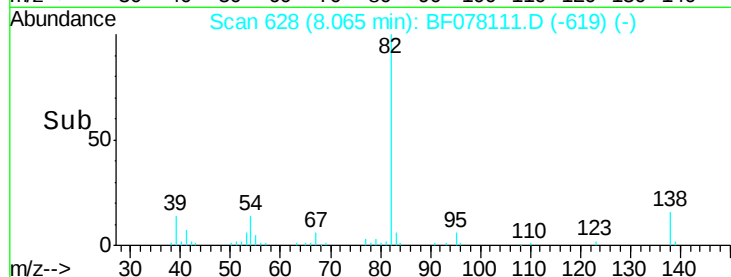
138 16.4 16.3 24.5



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

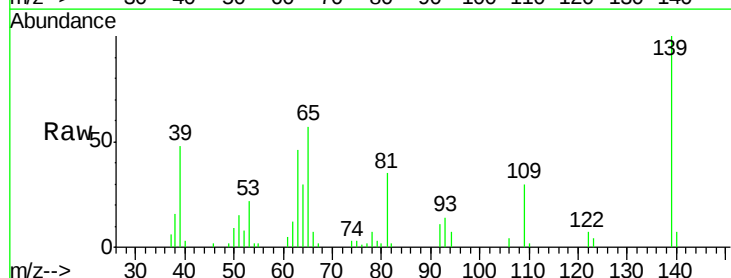
Tgt Ion: 139 Resp: 25205

Ion Ratio Lower Upper

139 100

109 30.5 20.1 30.1#

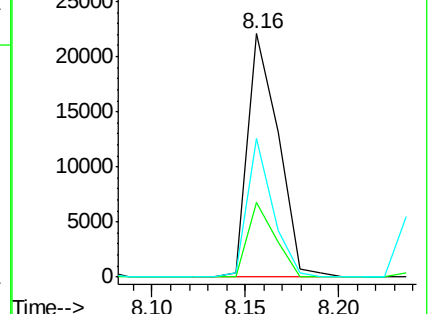
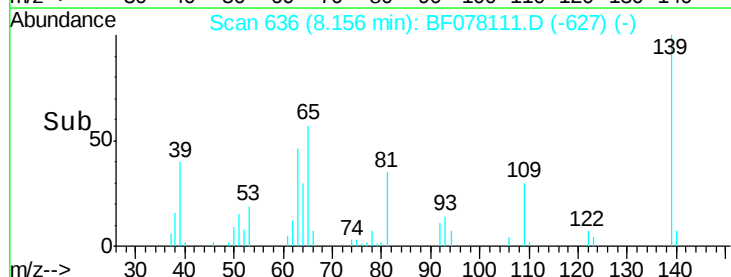
65 56.9 31.5 47.3#

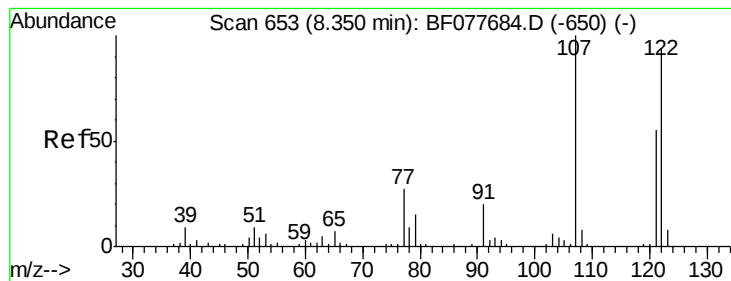


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

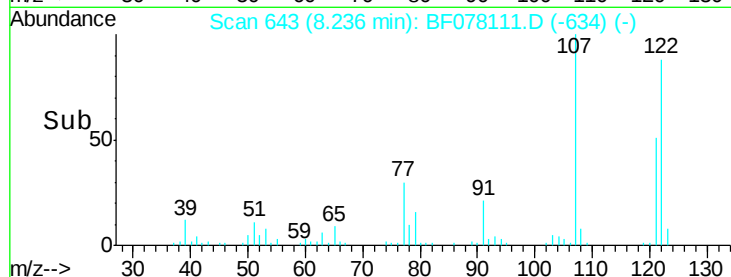
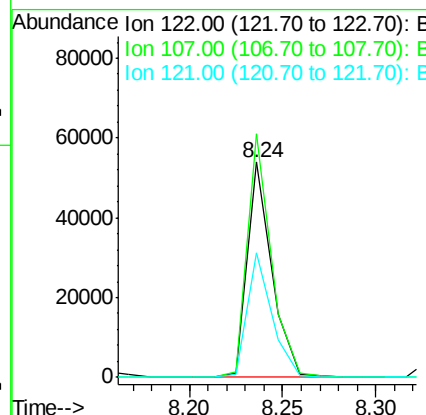
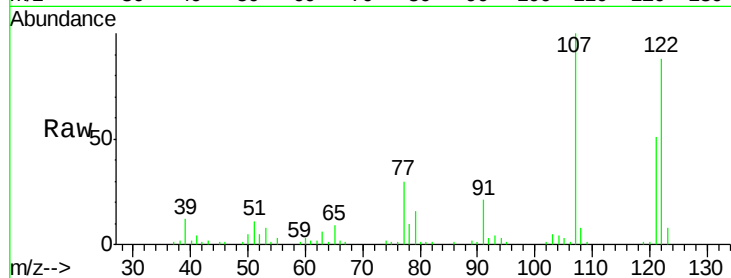




#27
 2,4-Dimethylphenol
 Concen: 21.27 ng
 RT: 8.24 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

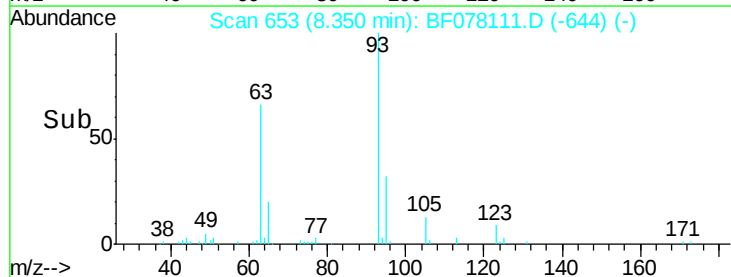
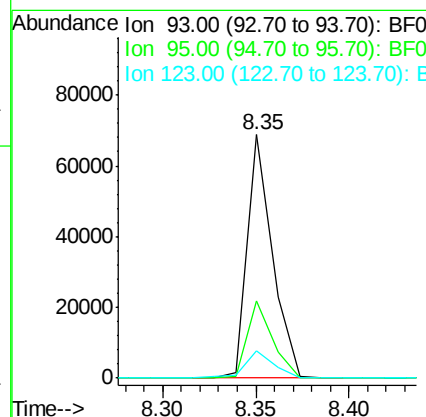
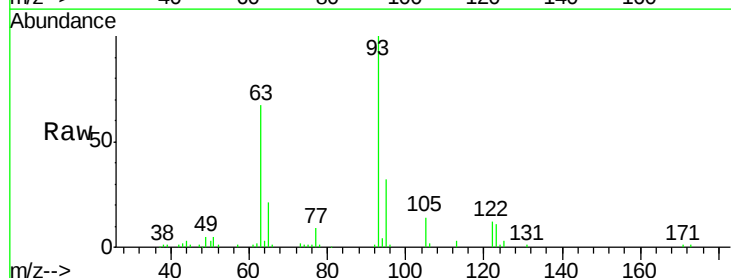
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

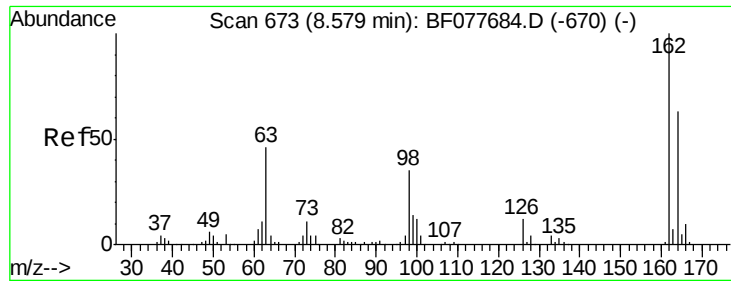
Tot Ion:122 Resp: 49463
 Ion Ratio Lower Upper
 122 100
 107 113.0 84.7 127.1
 121 57.9 46.6 69.8



#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

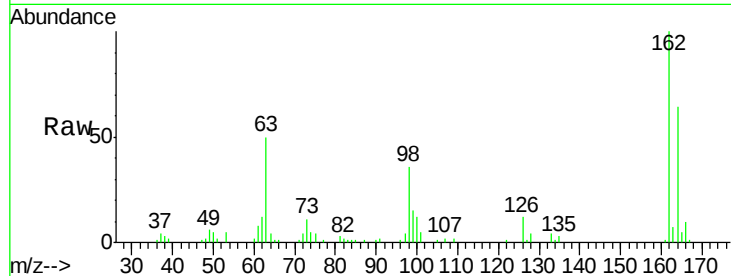




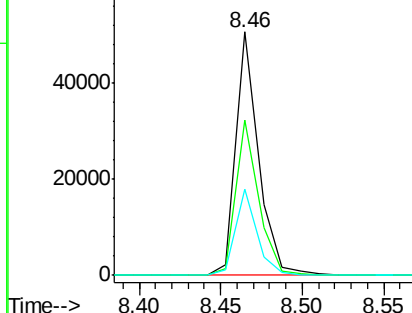
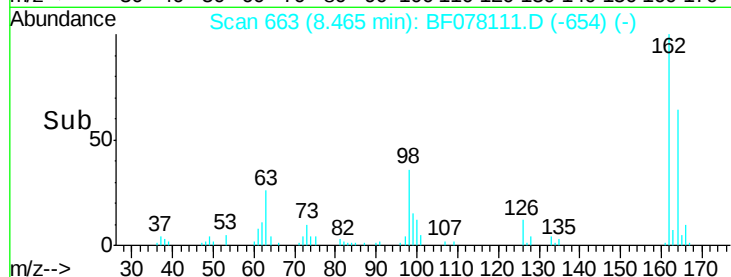
#29
 2,4-Dichlorophenol
 Concen: 21.73 ng
 RT: 8.46 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

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

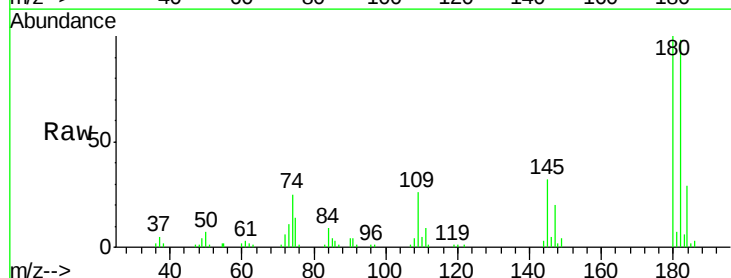


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

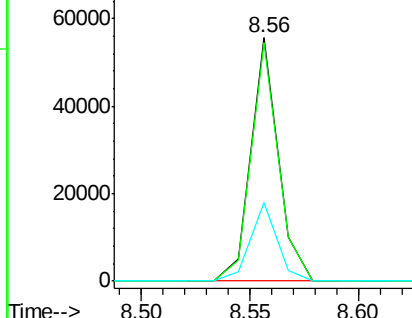
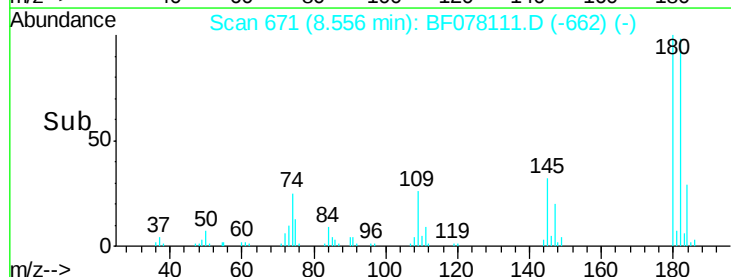


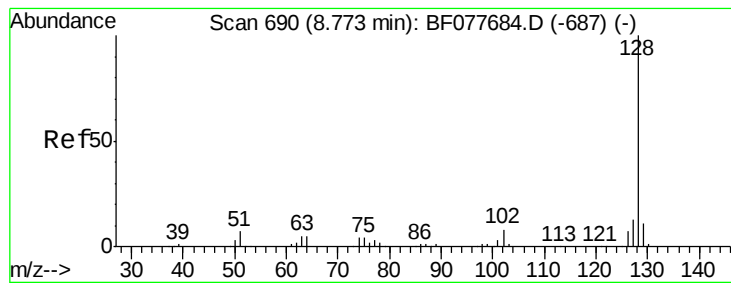
#30
 1,2,4-Trichlorobenzene
 Concen: 19.62 ng
 RT: 8.56 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

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

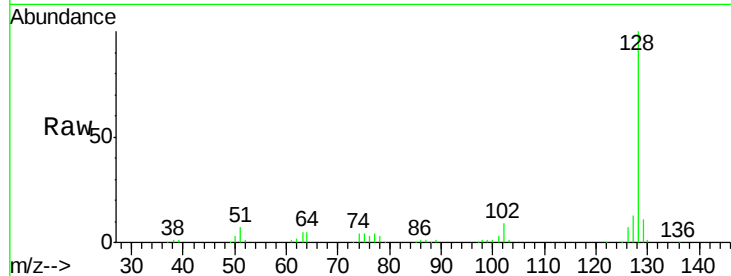
Tot Ion:128 Resp: 163591

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

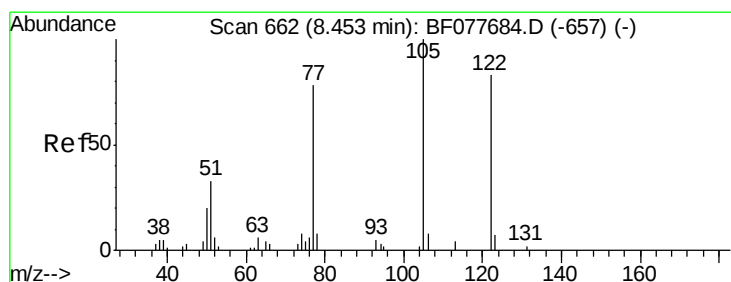
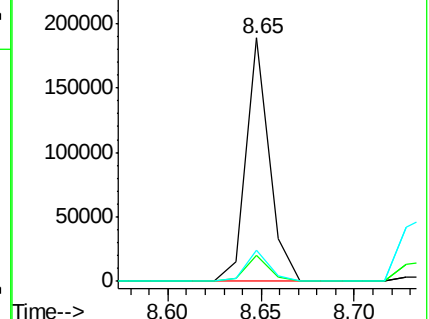
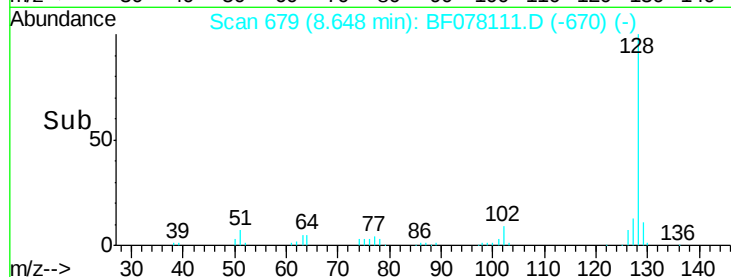
127 12.9 10.4 15.6



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

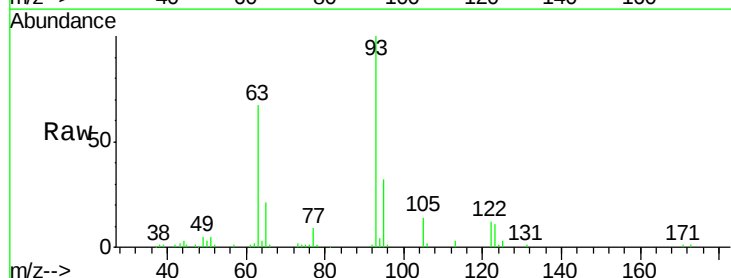
Tgt Ion:122 Resp: 20032

Ion Ratio Lower Upper

122 100

105 112.8 99.9 139.9

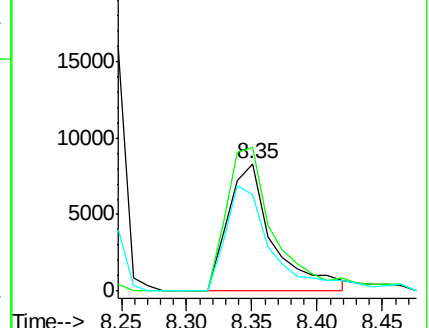
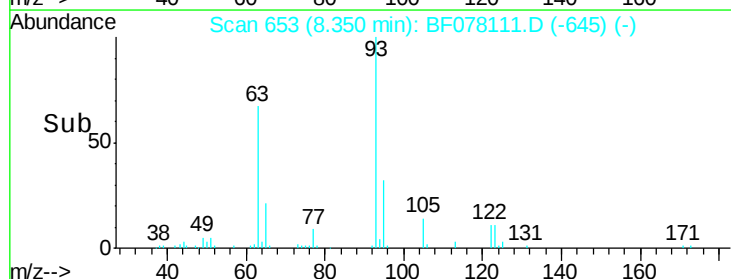
77 75.9 73.7 113.7

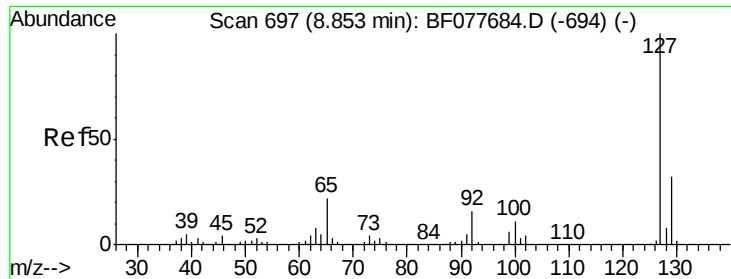


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

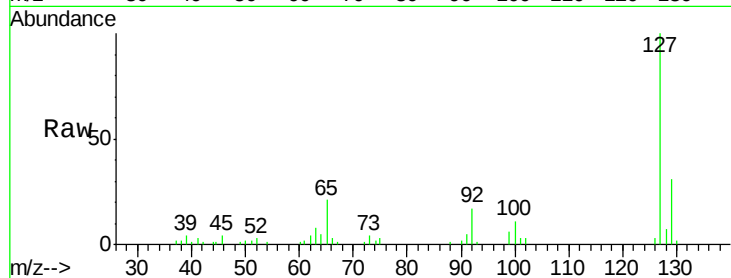




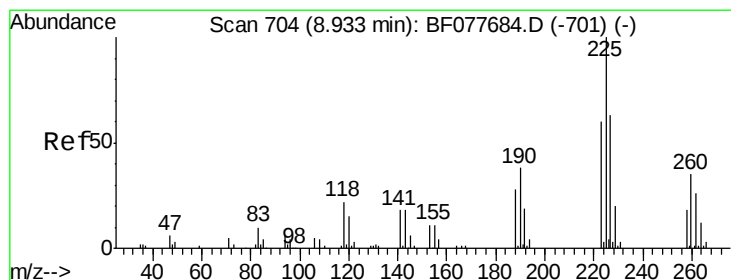
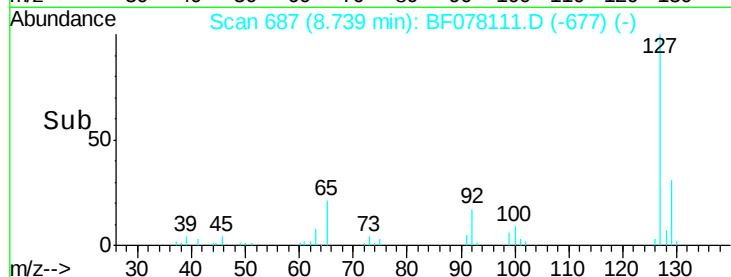
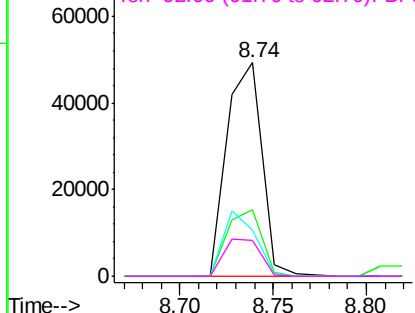
#33
4-Chloroaniline
Concen: 19.65 ng
RT: 8.74 min Scan# 687
Delta R.T. 0.01 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot 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

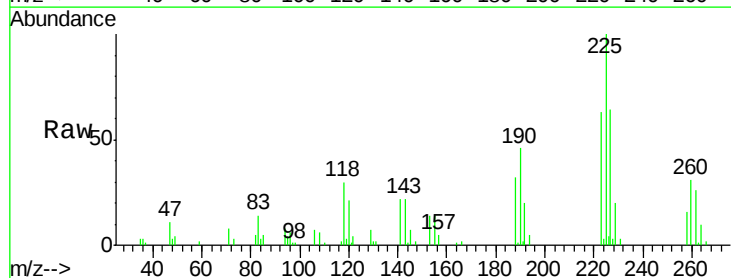


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

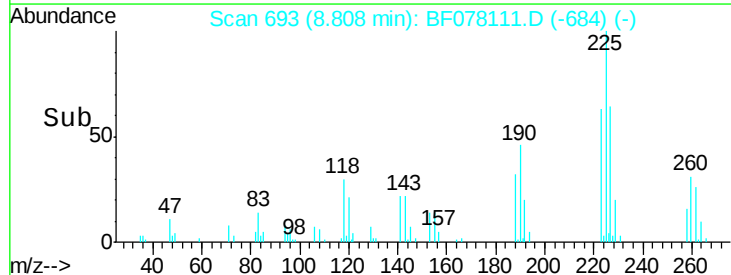
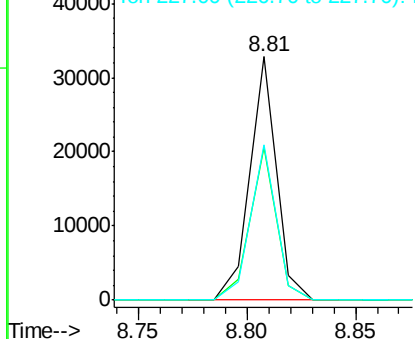


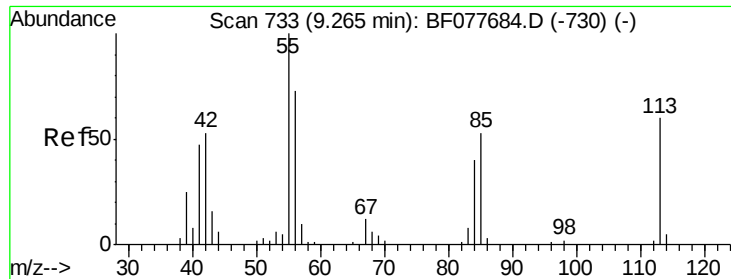
#34
Hexachlorobutadiene
Concen: 19.88 ng
RT: 8.81 min Scan# 693
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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

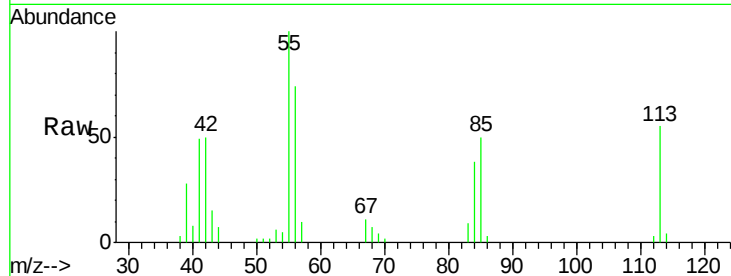




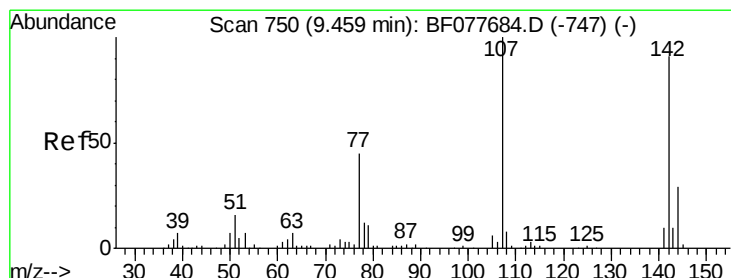
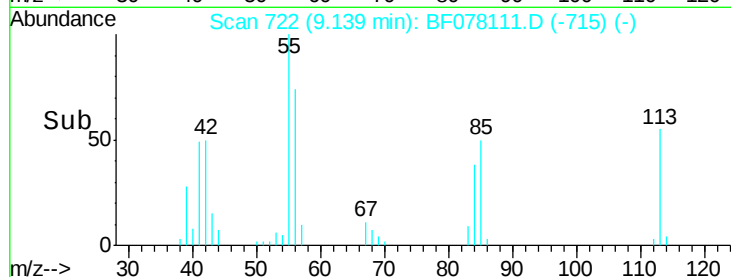
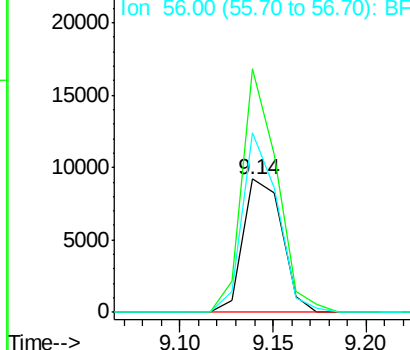
#35
Caprolactam
Concen: 20.52 ng
RT: 9.14 min Scan# 722
Delta R.T. -0.02 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:113 Resp: 13293
Ion Ratio Lower Upper
113 100
55 182.8 145.9 185.9
56 135.3 101.0 141.0

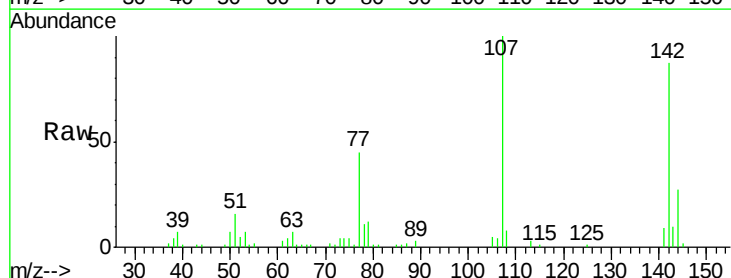


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

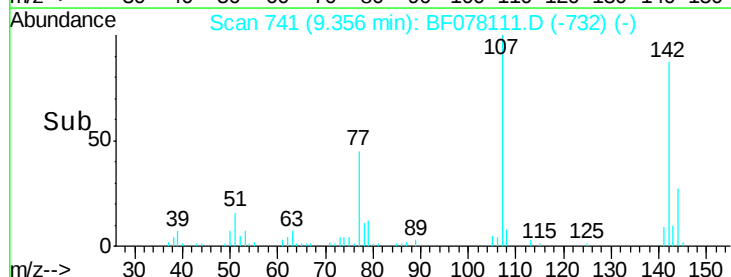
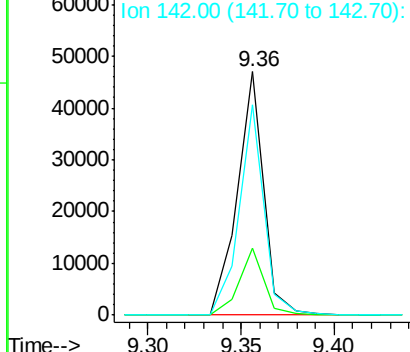


#36
4-Chloro-3-methylphenol
Concen: 20.89 ng
RT: 9.36 min Scan# 741
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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

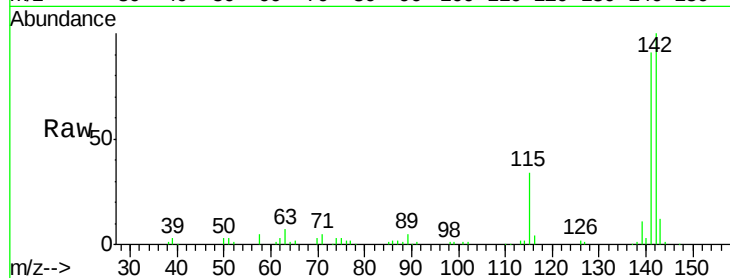
Tot Ion:142 Resp: 110353

Ion Ratio Lower Upper

142 100

141 91.4 71.9 107.9

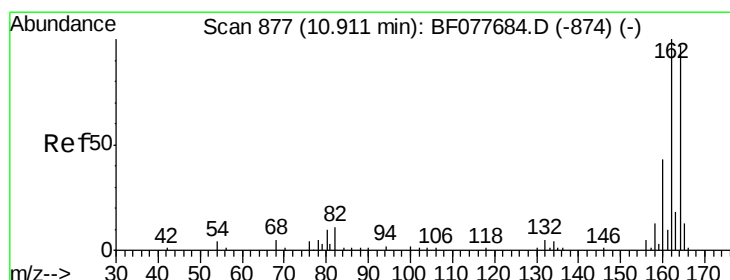
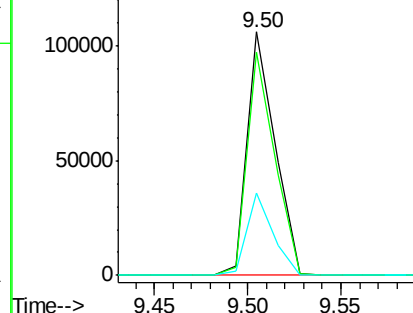
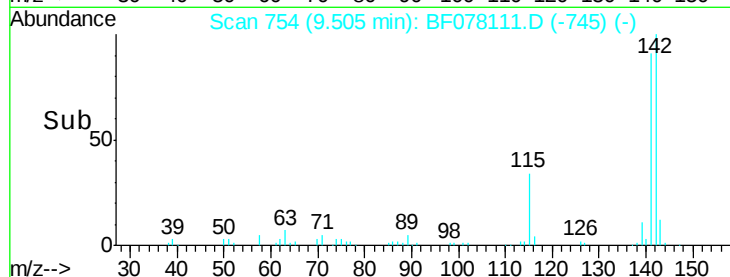
115 33.6 25.4 38.0



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

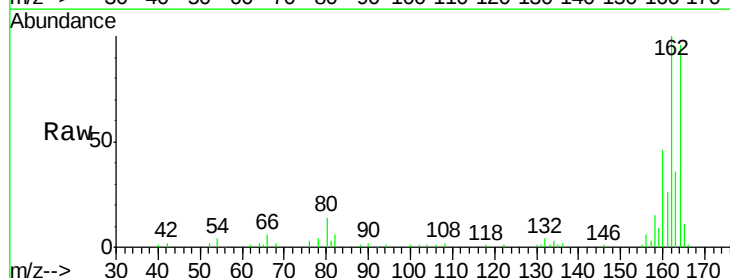
Tgt Ion:164 Resp: 80389

Ion Ratio Lower Upper

164 100

162 104.1 82.4 123.6

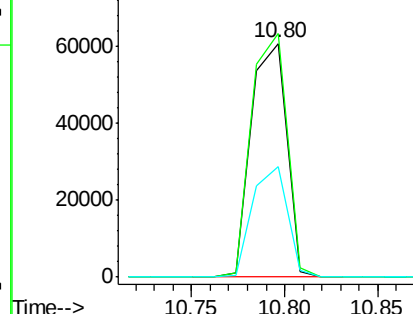
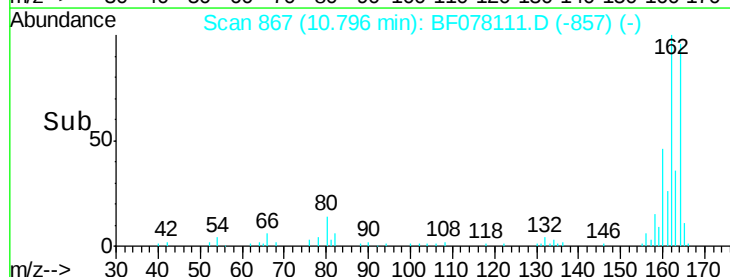
160 47.5 35.8 53.6

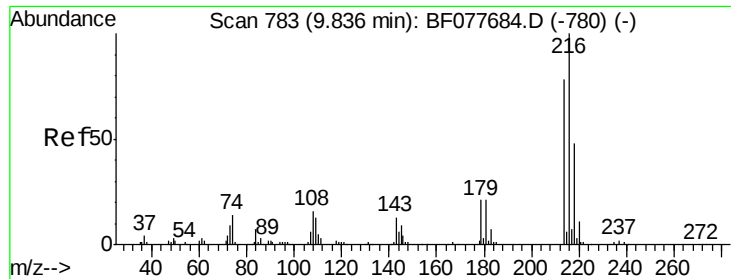


Abundance Ion 164.00 (163.70 to 164.70): E

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

Tot Ion:216 Resp: 48192

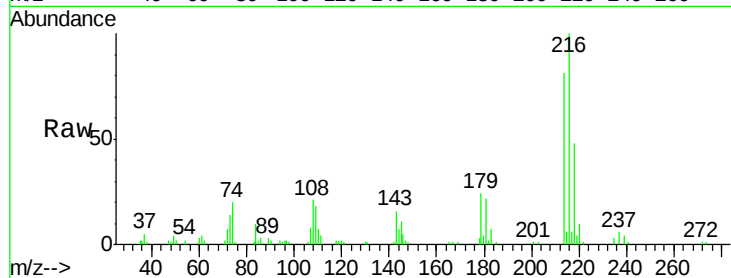
Ion Ratio Lower Upper

216 100

214 79.0 0.0 0.0#

179 21.4 0.0 0.0#

108 19.3 0.0 0.0#

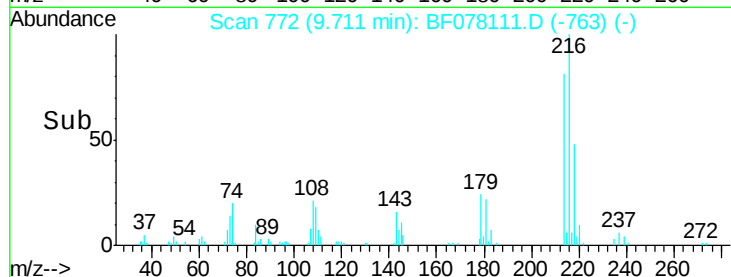


Abundance Ion 216.00 (215.70 to 216.70): E

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



Abundance

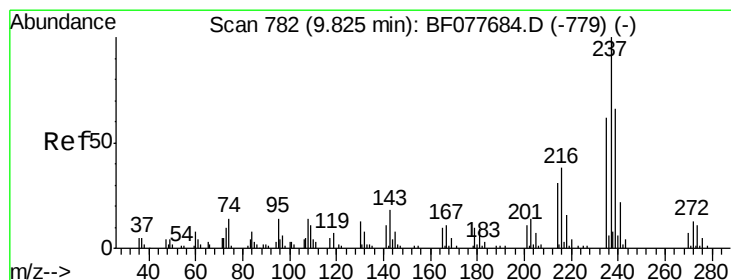
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

Time-->



#40

Hexachlorocyclopentadiene

Concen: 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

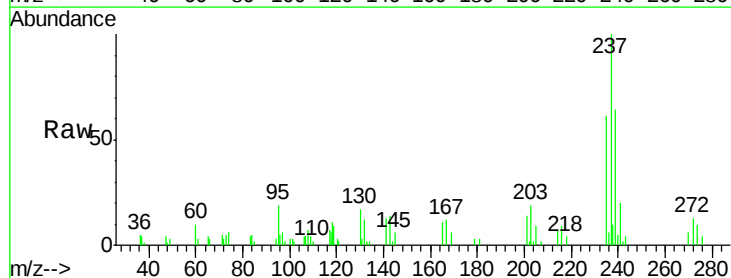
Tgt Ion:237 Resp: 18795

Ion Ratio Lower Upper

237 100

235 61.5 42.0 82.0

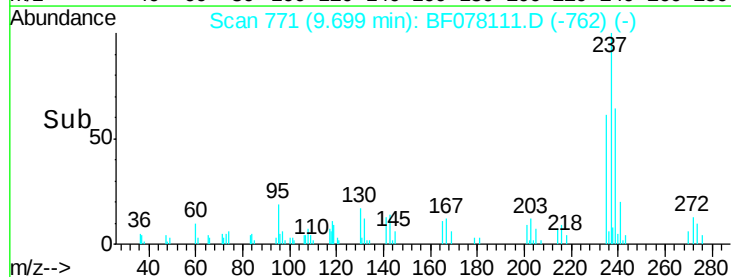
272 13.2 0.0 33.4



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



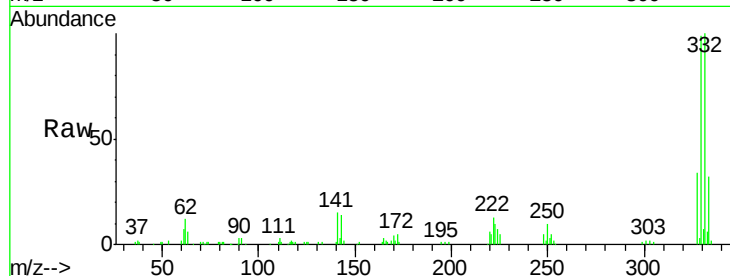
Time-->



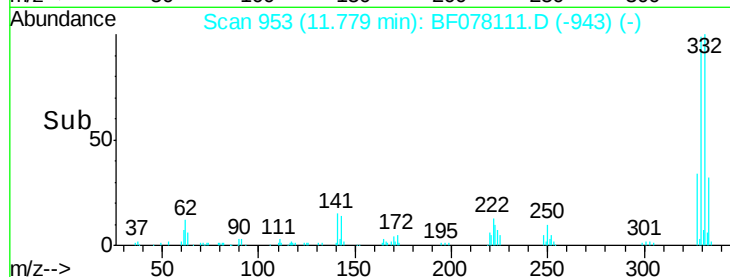
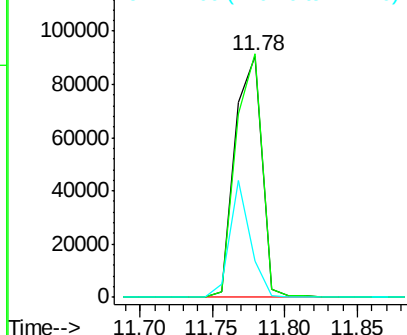
#41
 2,4,6-Tribromophenol
 Concen: 152.50 ng
 RT: 11.78 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

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

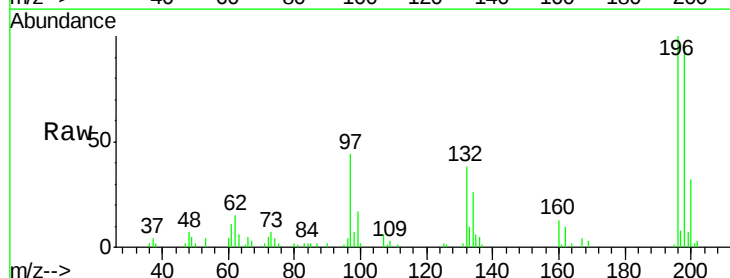


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

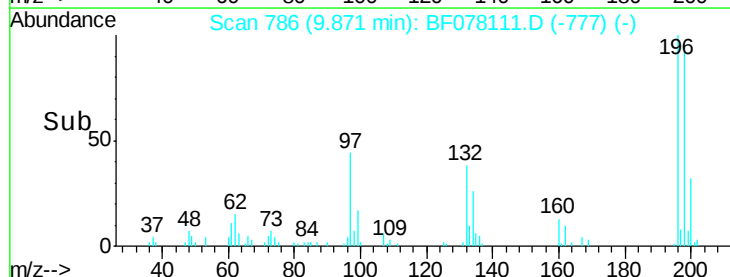
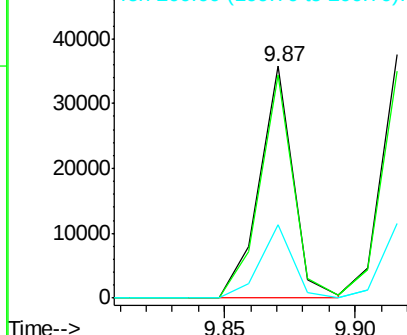


#42
 2,4,6-Trichlorophenol
 Concen: 19.37 ng
 RT: 9.87 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

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

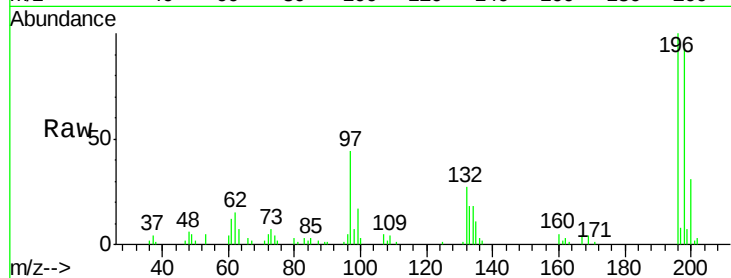




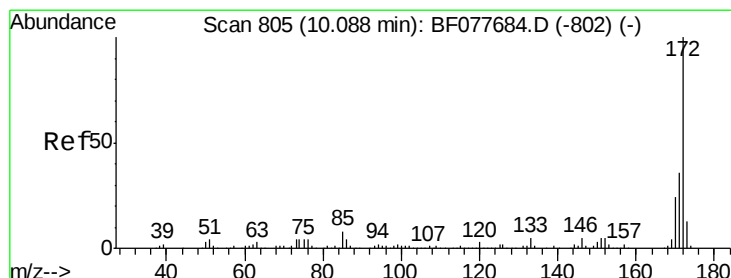
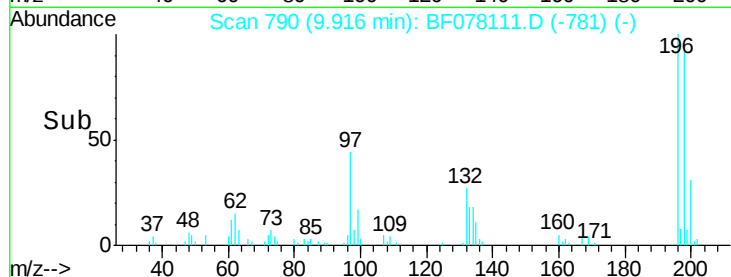
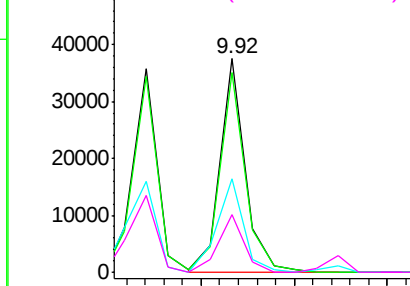
#43
 2,4,5-Trichlorophenol
 Concen: 19.67 ng
 RT: 9.92 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot 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	

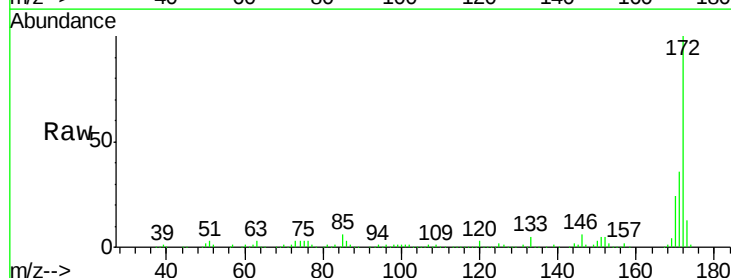


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

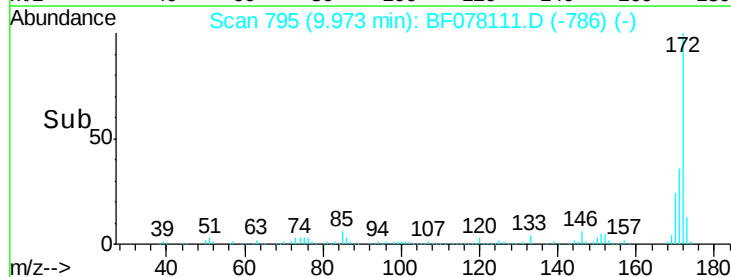
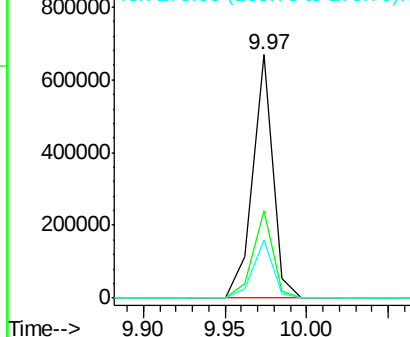


#44
 2-Fluorobiphenyl
 Concen: 105.13 ng
 RT: 9.97 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

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

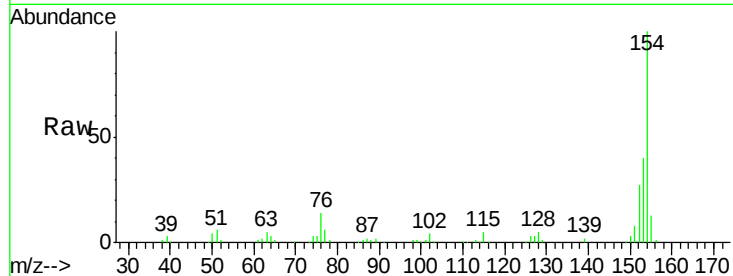




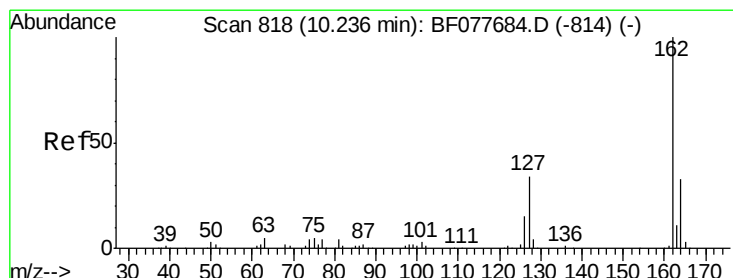
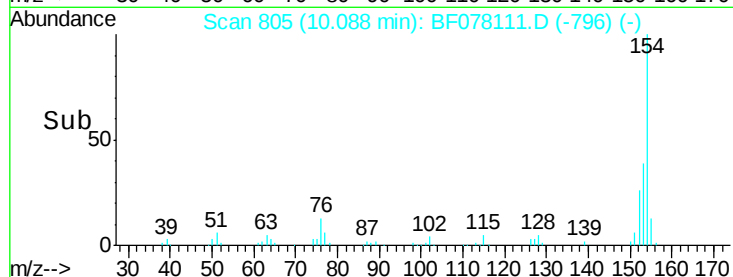
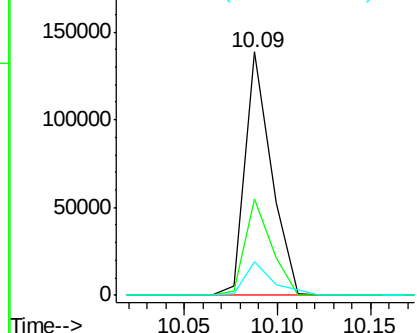
#45
1,1'-Biphenyl
Concen: 21.11 ng
RT: 10.09 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

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

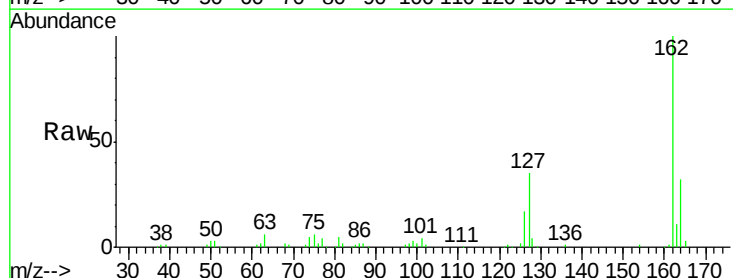


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

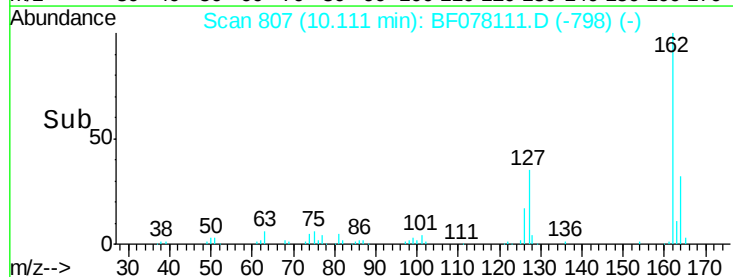
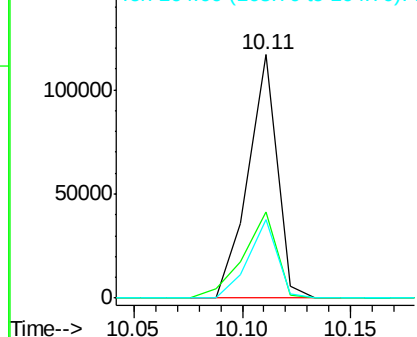


#46
2-Chloronaphthalene
Concen: 20.79 ng
RT: 10.11 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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

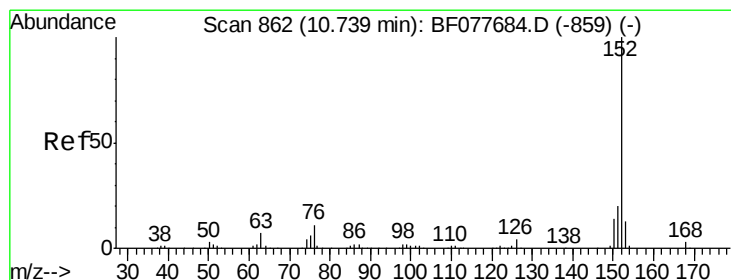
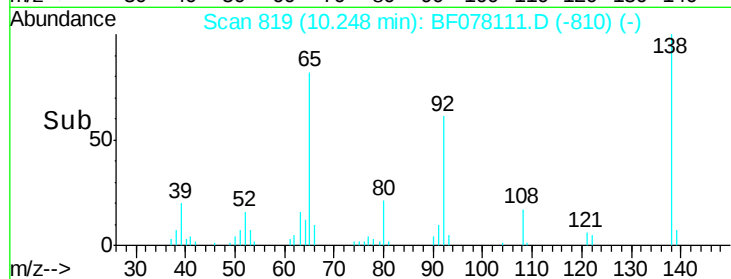
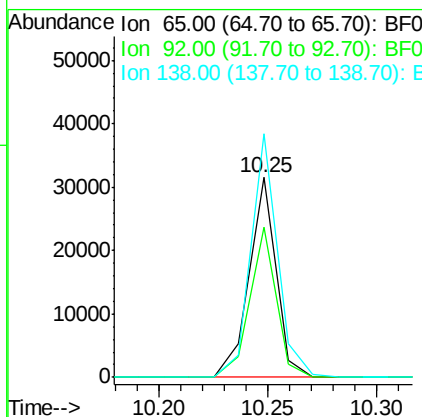
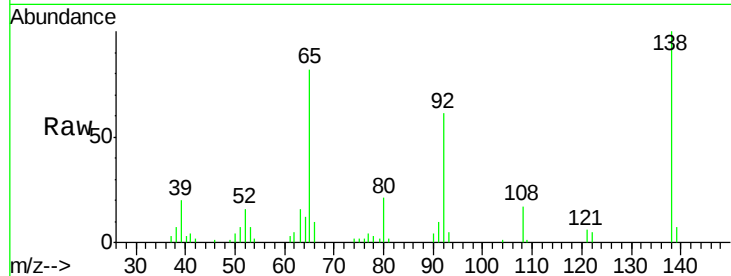




#47
 2-Nitroaniline
 Concen: 20.88 ng
 RT: 10.25 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

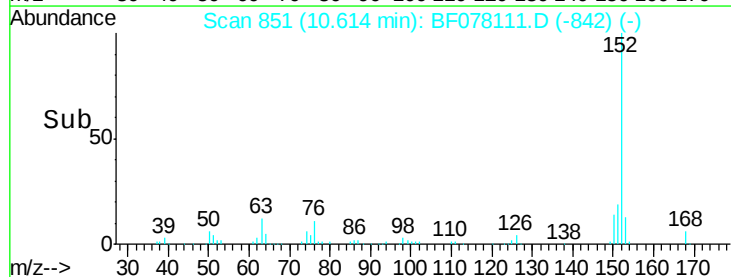
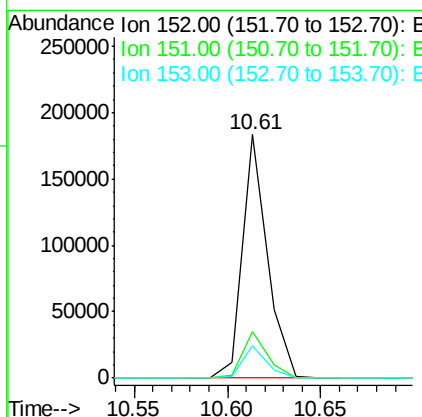
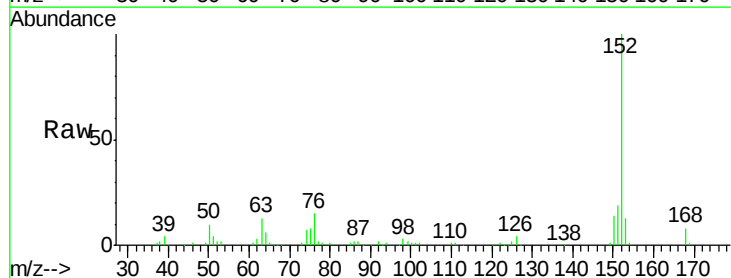
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

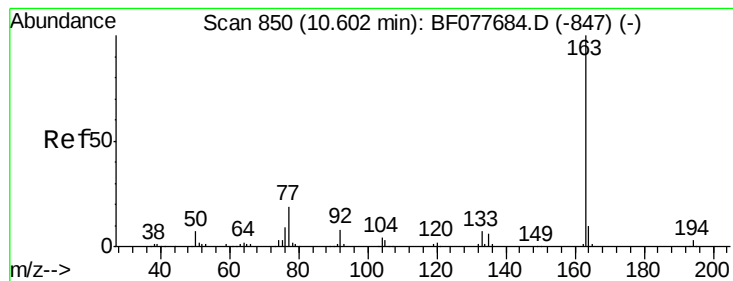
Tot Ion: 65 Resp: 27076
 Ion Ratio Lower Upper
 65 100
 92 75.0 59.1 88.7
 138 122.0 93.9 140.9



#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





#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

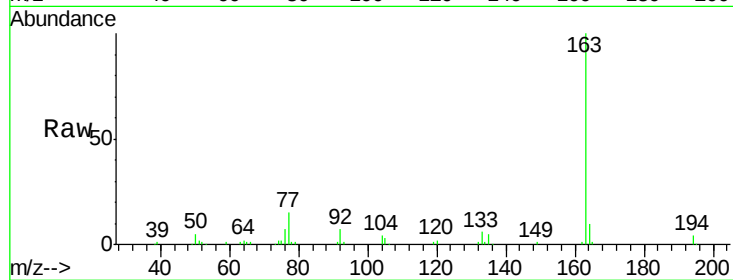
Tot Ion:163 Resp: 126635

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

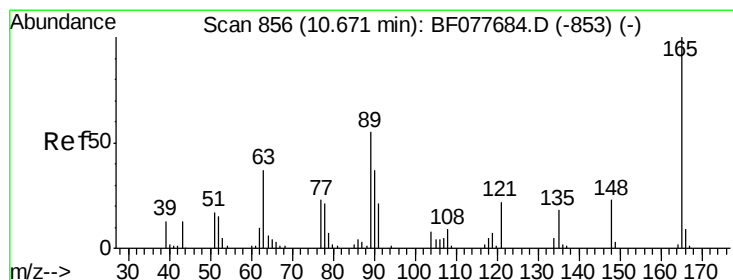
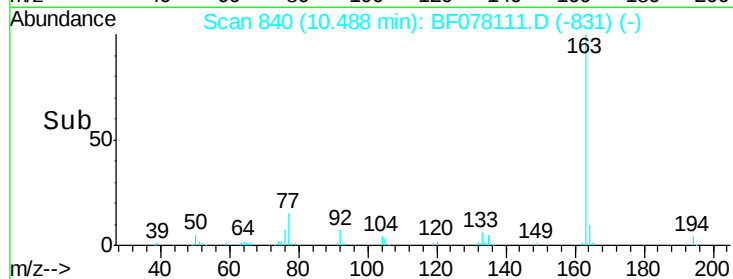
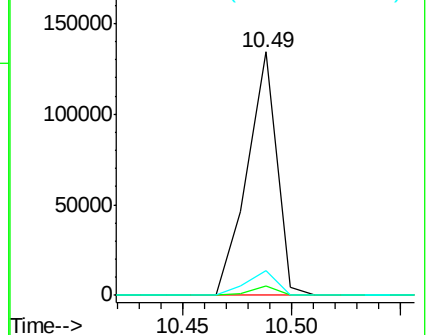
164 10.0 8.2 12.2



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

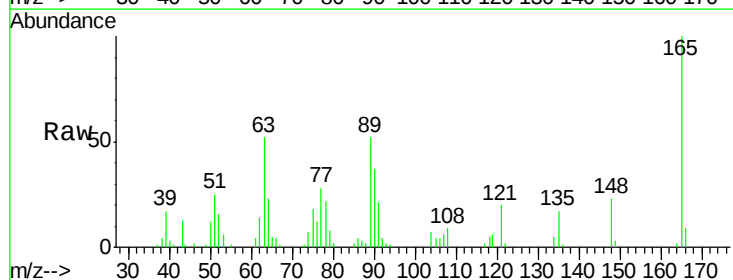
Tgt Ion:165 Resp: 26114

Ion Ratio Lower Upper

165 100

63 51.9 44.1 66.1

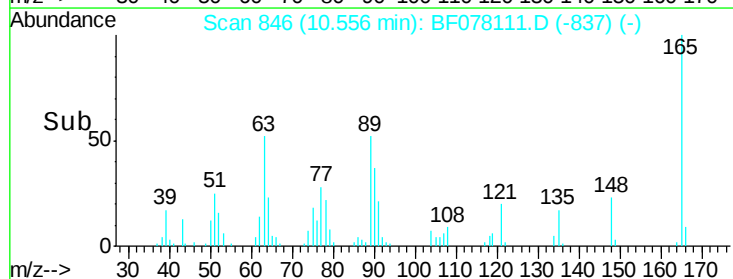
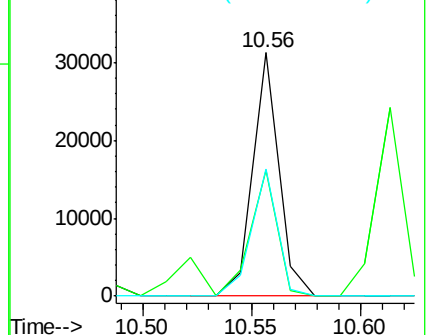
89 52.1 44.3 66.5



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

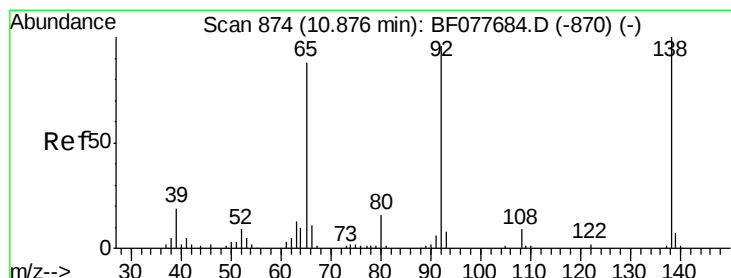
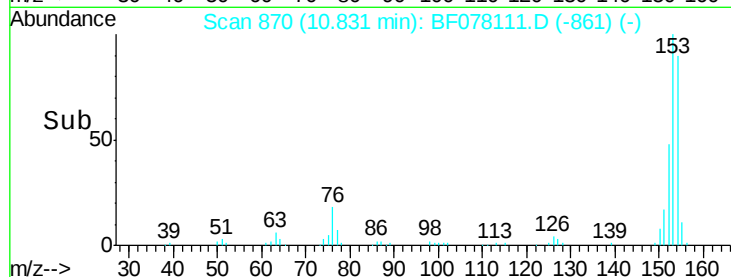
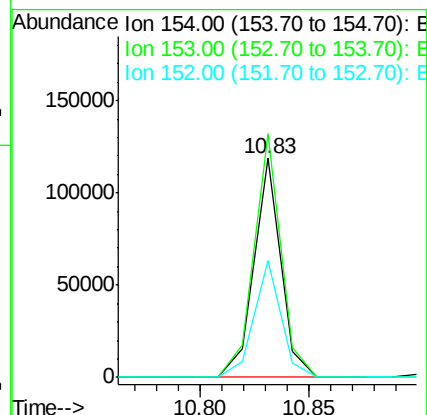
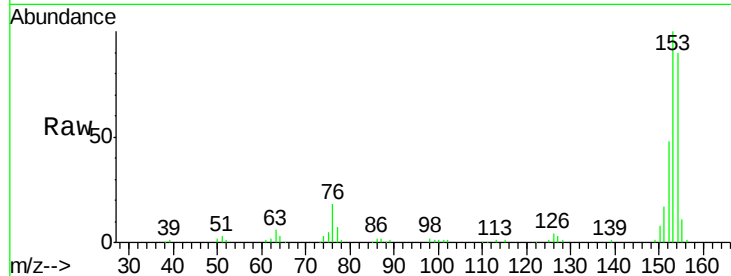




#51
Acenaphthene
Concen: 20.37 ng
RT: 10.83 min Scan# 870
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

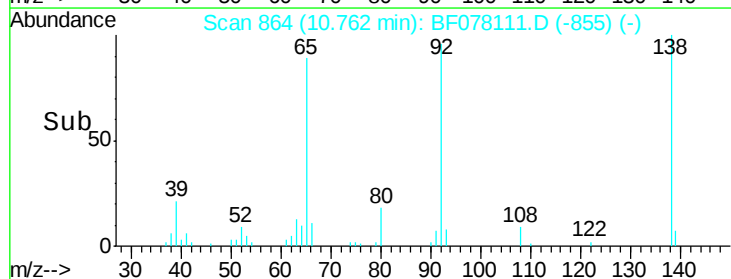
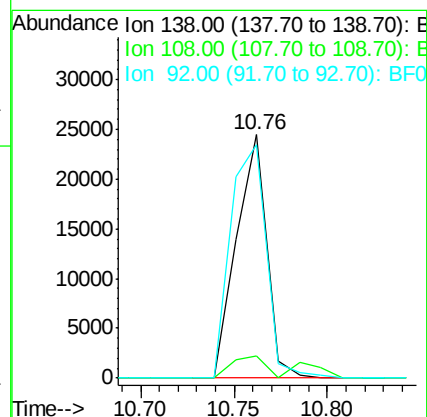
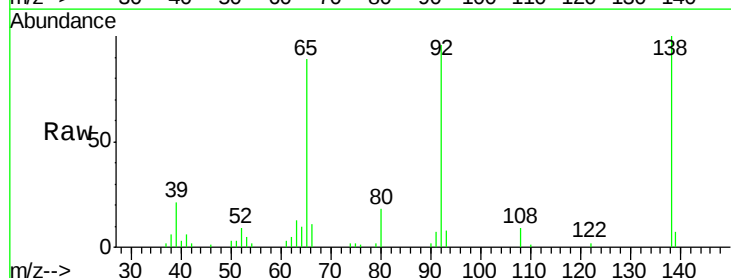
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

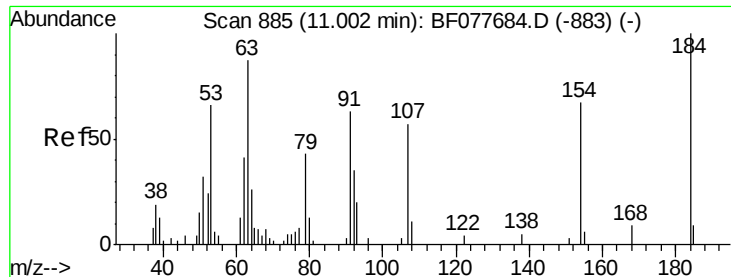
Tot Ion:154 Resp: 101405
Ion Ratio Lower Upper
154 100
153 111.3 90.0 135.0
152 53.4 42.6 63.8



#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

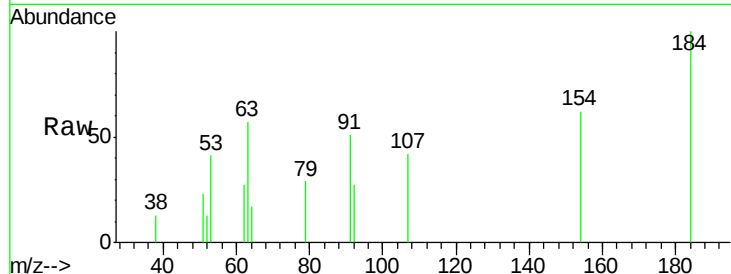




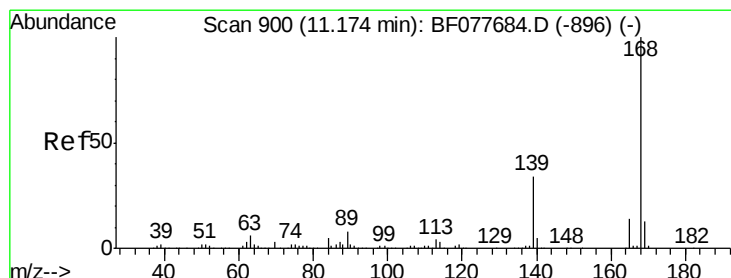
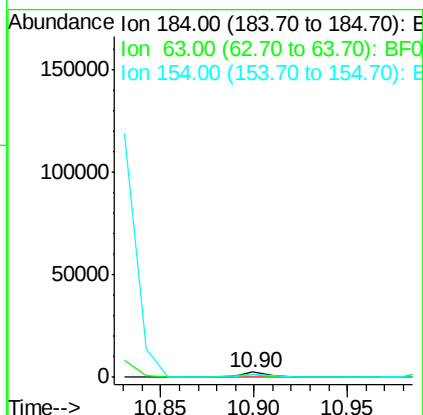
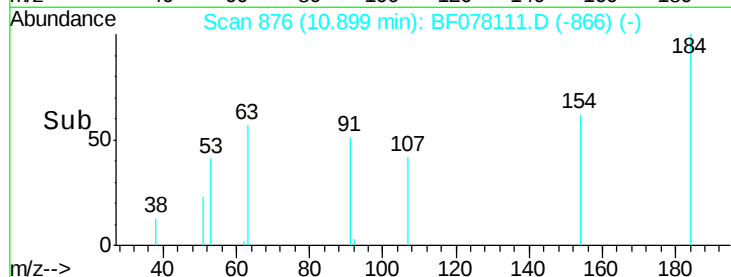
#53
2,4-Dinitrophenol
Concen: 13.43 ng
RT: 10.90 min Scan# 876
Delta R.T. 0.01 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

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

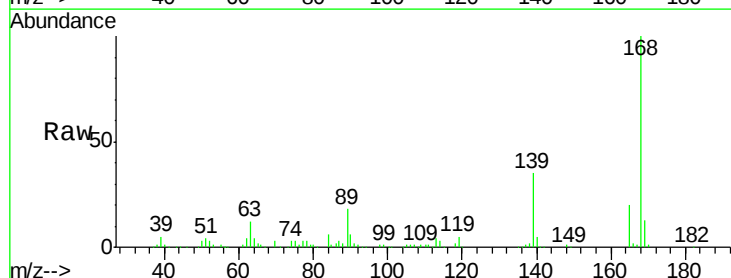


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

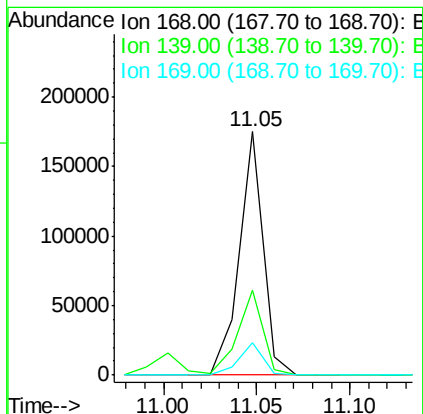
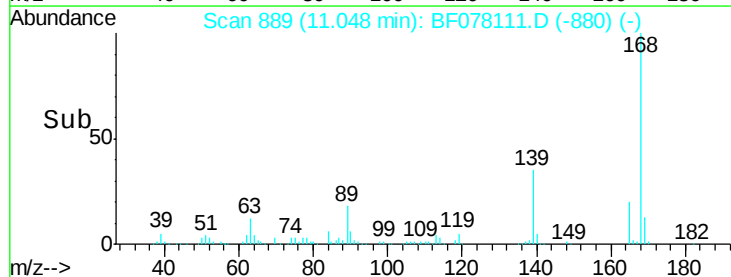


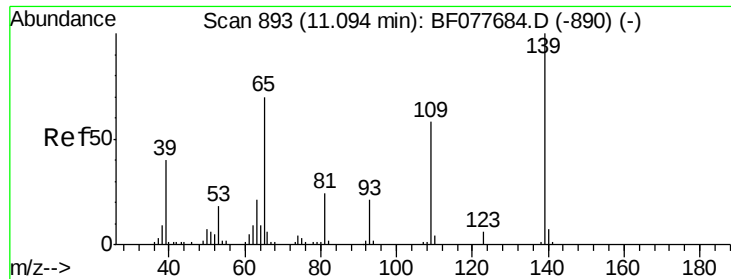
#54
Dibenzofuran
Concen: 21.24 ng
RT: 11.05 min Scan# 889
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

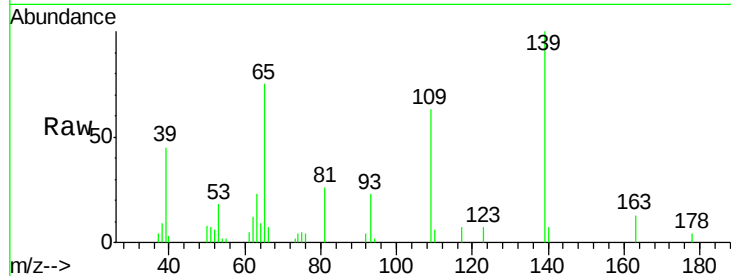




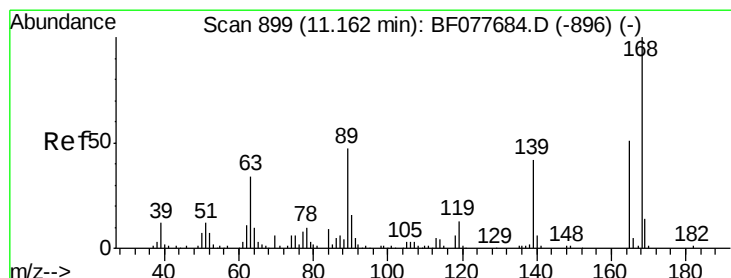
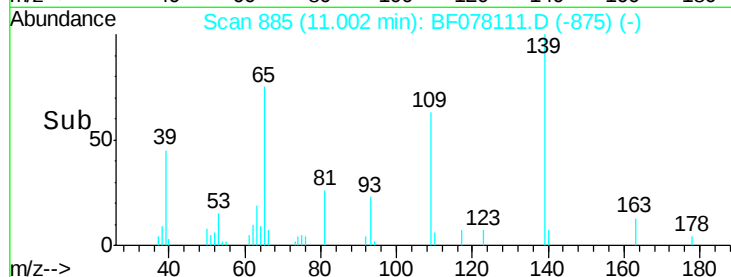
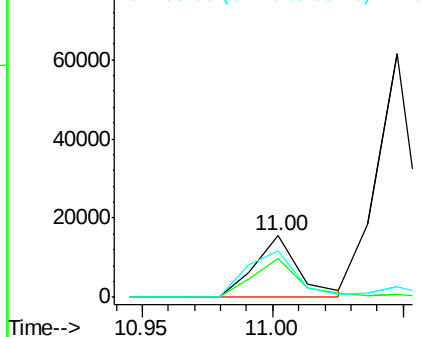
#55
4-Nitrophenol
Concen: 17.27 ng
RT: 11.00 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:139 Resp: 18363
Ion Ratio Lower Upper
139 100
109 62.7 37.7 77.7
65 75.5 49.9 89.9

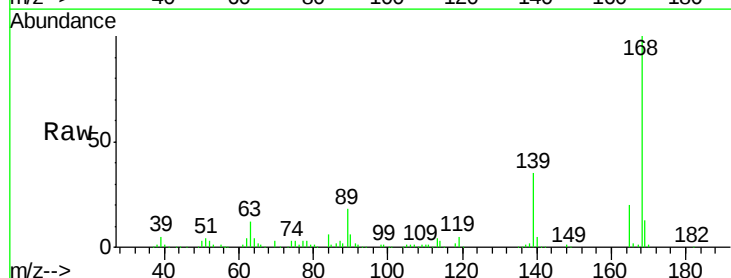


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

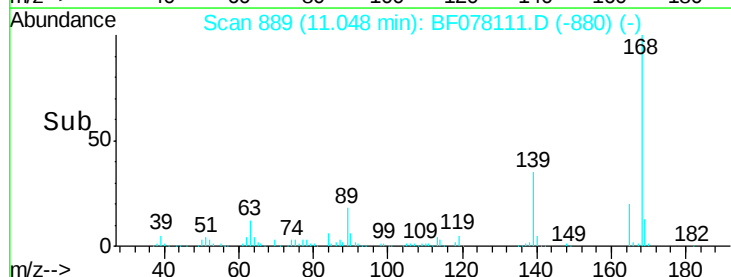
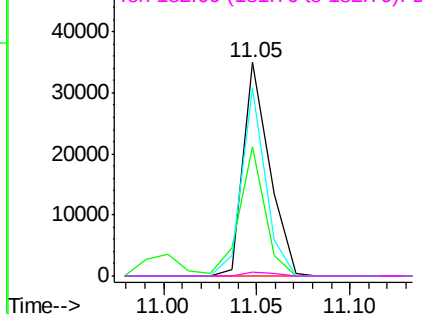


#56
2,4-Dinitrotoluene
Concen: 21.27 ng
RT: 11.05 min Scan# 889
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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

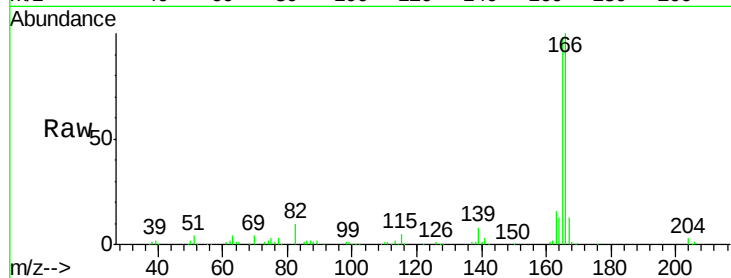
Tot Ion:166 Resp: 127572

Ion Ratio Lower Upper

166 100

165 98.3 79.0 118.4

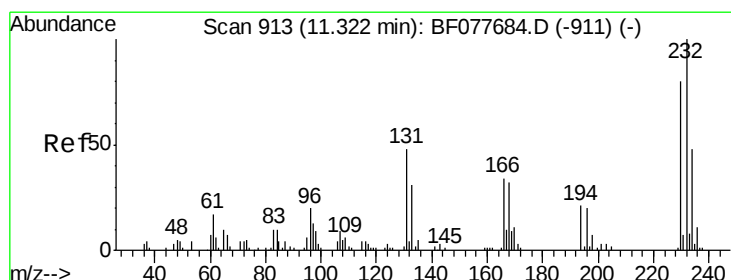
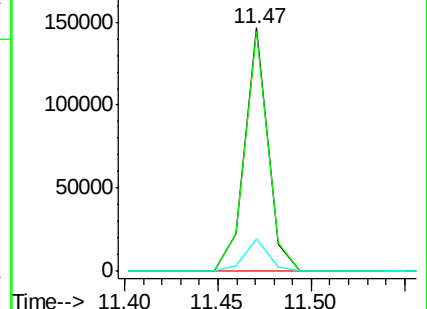
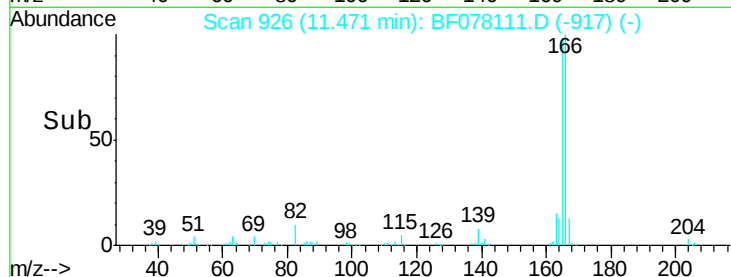
167 13.2 10.3 15.5



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

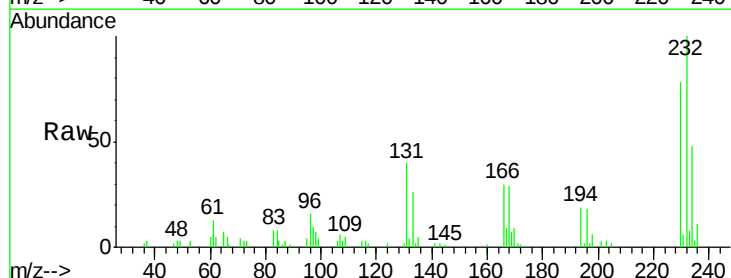
Ion Ratio Lower Upper

232 100

131 44.7 0.0 0.0#

130 1.3 0.0 0.0#

166 30.4 0.0 0.0#

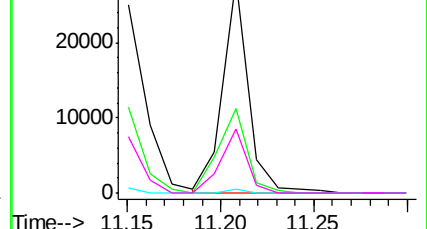
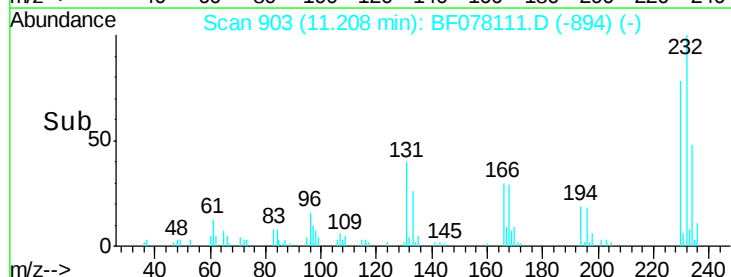


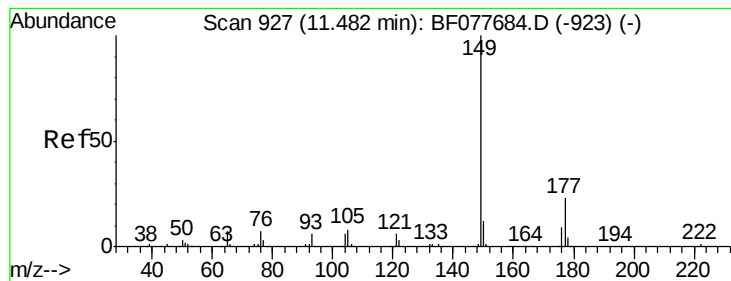
Abundance Ion 232.00 (231.70 to 232.70): E

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

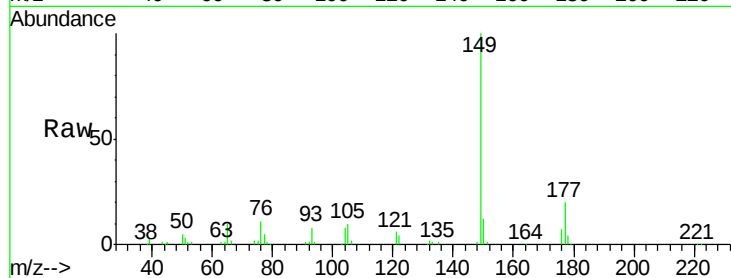
Tot Ion:149 Resp: 120112

Ion Ratio Lower Upper

149 100

177 19.8 18.3 27.5

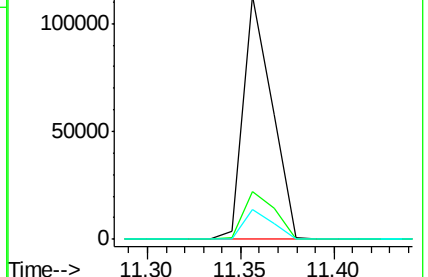
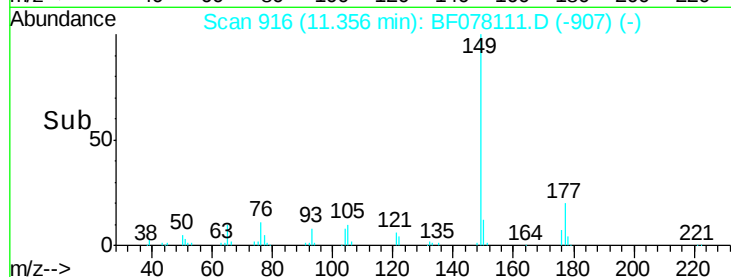
150 12.4 9.8 14.8



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



#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

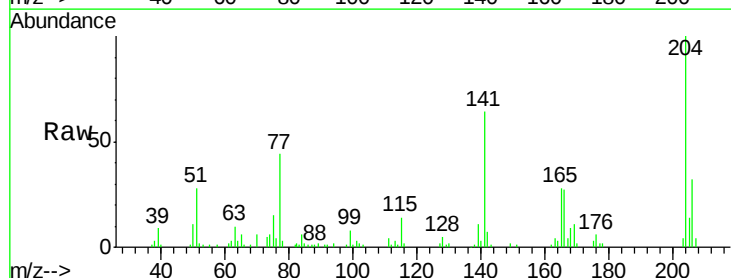
Tgt Ion:204 Resp: 58083

Ion Ratio Lower Upper

204 100

206 32.4 26.6 39.8

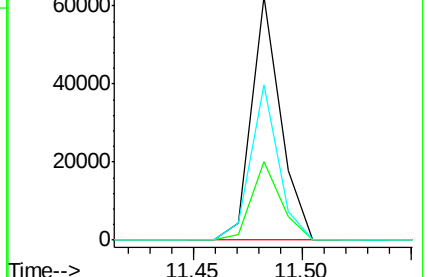
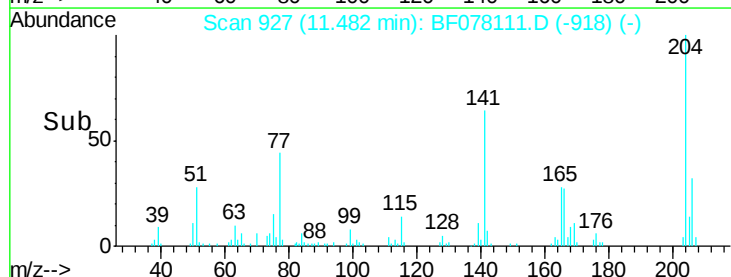
141 63.8 45.2 67.8

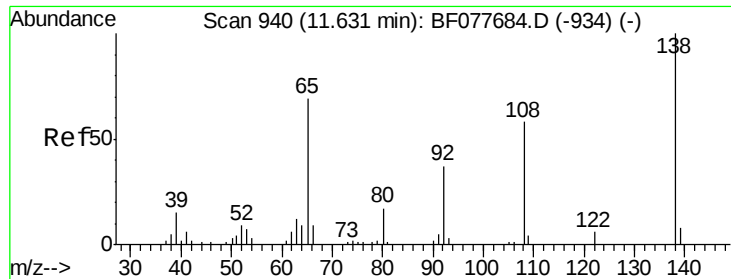


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

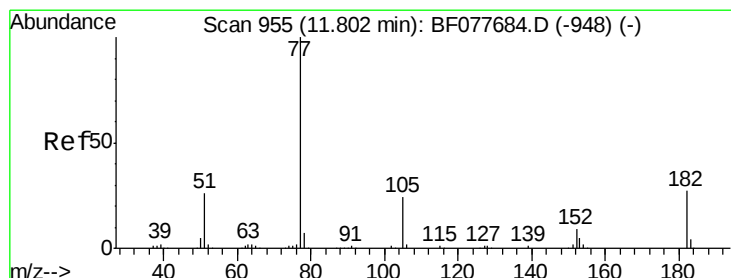
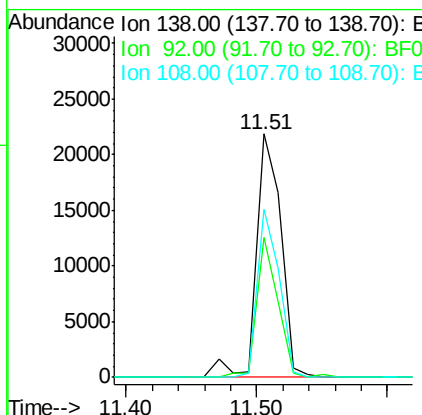
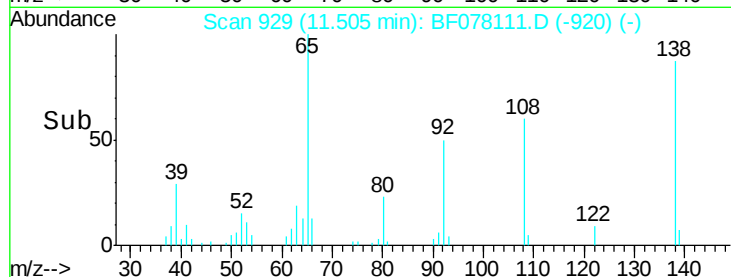
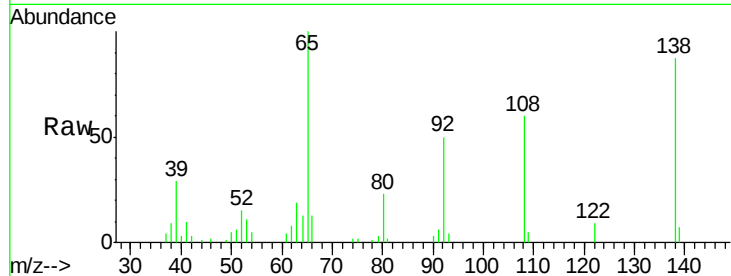




#61
4-Nitroaniline
Concen: 20.20 ng
RT: 11.51 min Scan# 929
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

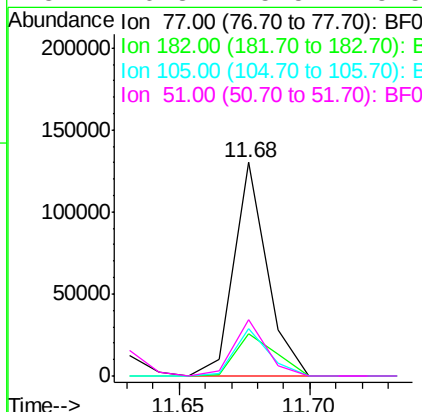
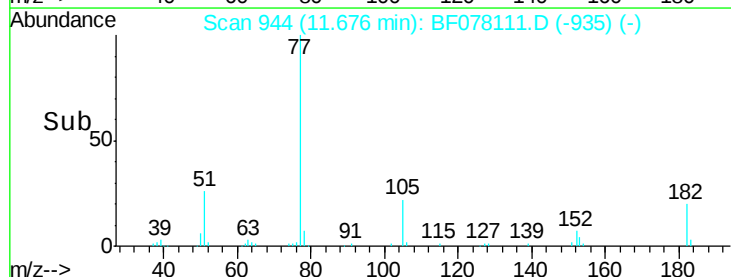
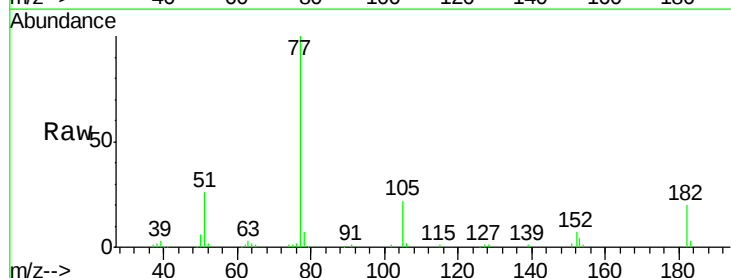
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot 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

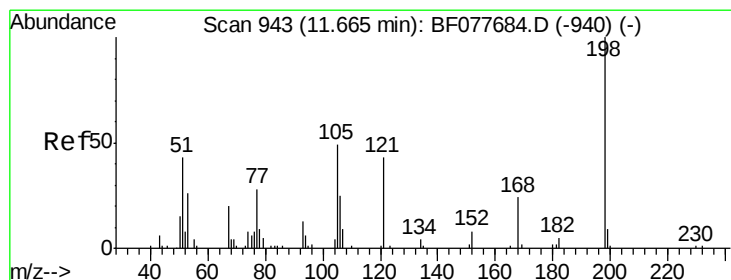
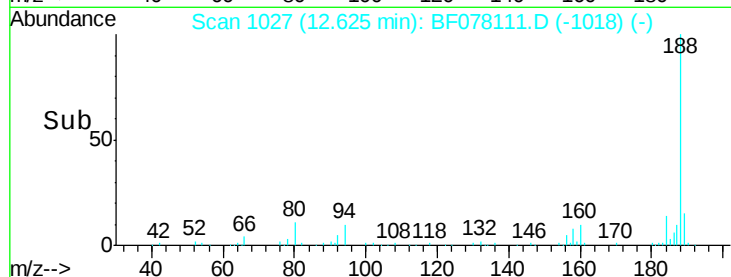
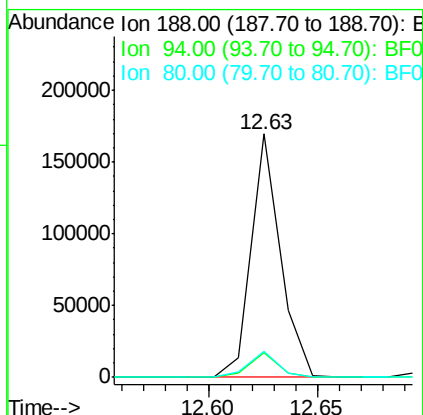
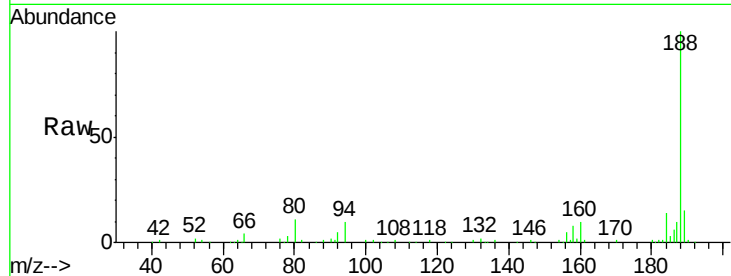




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.63 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

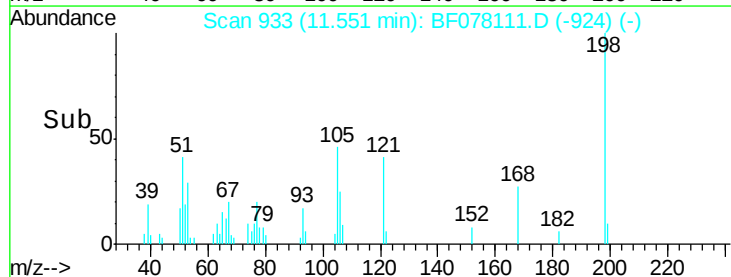
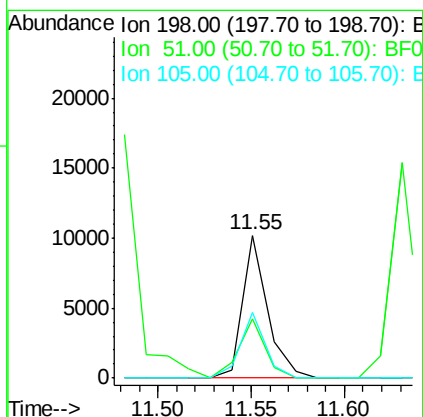
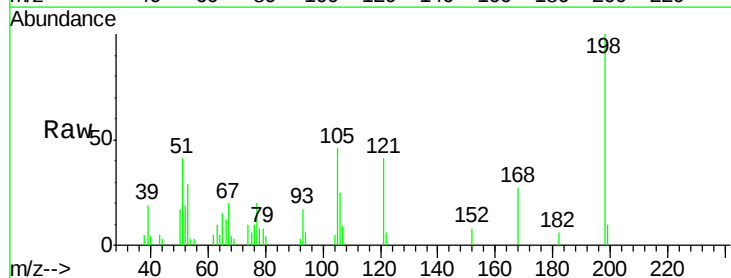
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

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



#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





#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

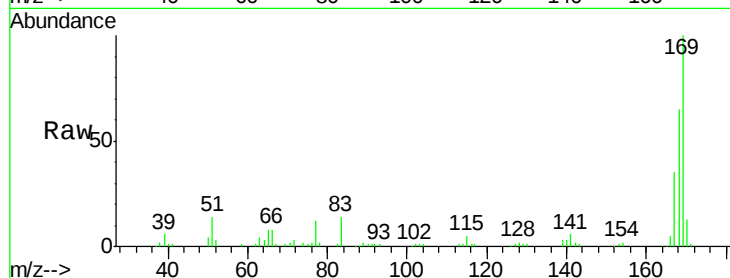
Tot Ion:169 Resp: 107833

Ion Ratio Lower Upper

169 100

168 65.4 53.9 80.9

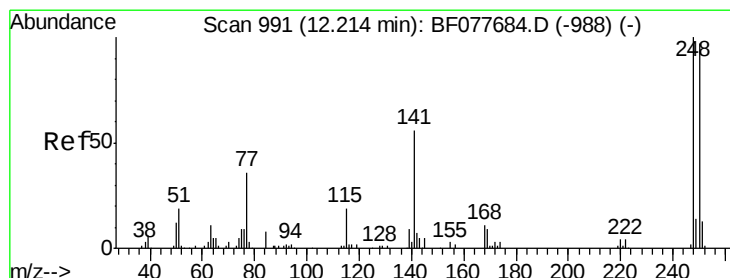
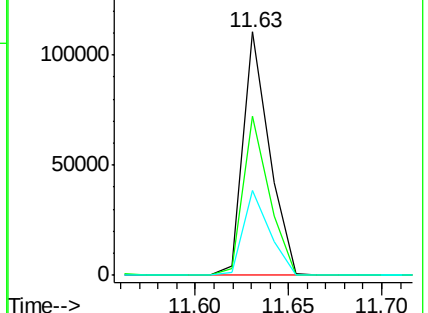
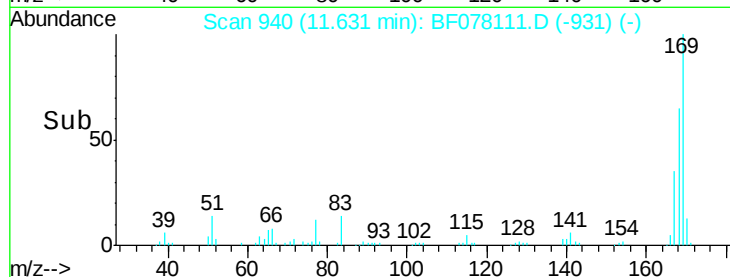
167 34.7 28.9 43.3



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

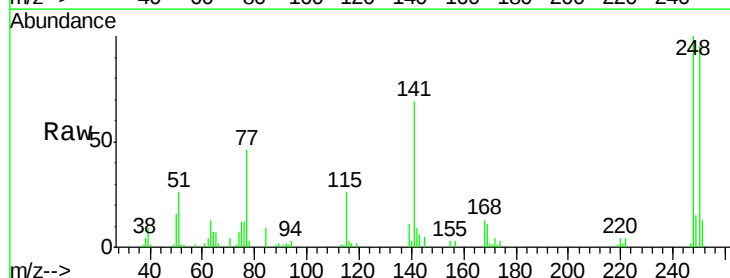
Tgt Ion:248 Resp: 35630

Ion Ratio Lower Upper

248 100

250 94.7 77.4 116.0

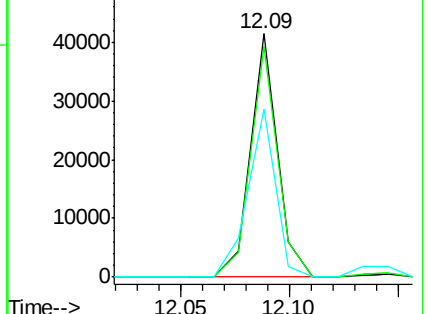
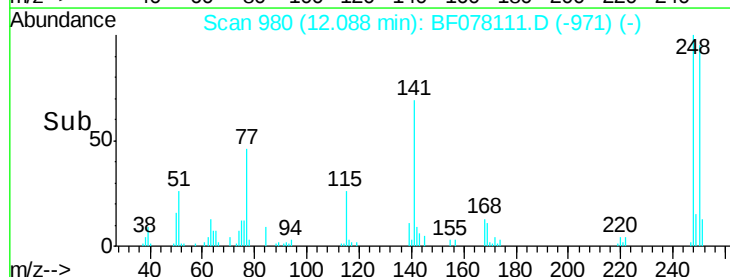
141 69.0 45.2 67.8#

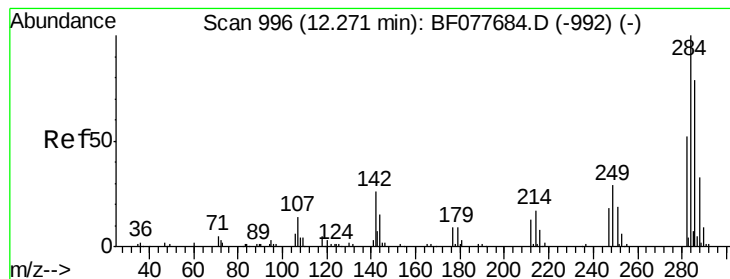


Abundance Ion 248.00 (247.70 to 248.70): E

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

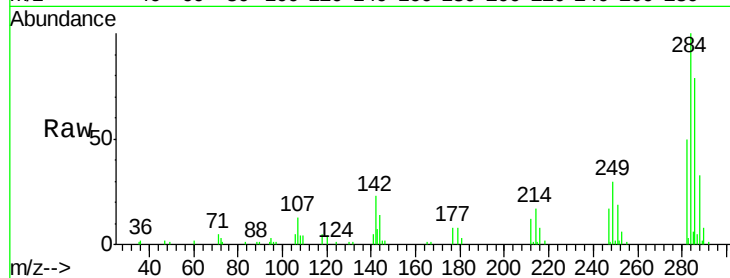
Tot Ion:284 Resp: 37072

Ion Ratio Lower Upper

284 100

142 22.7 20.4 30.6

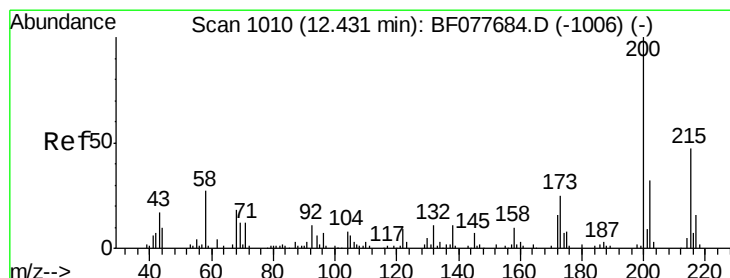
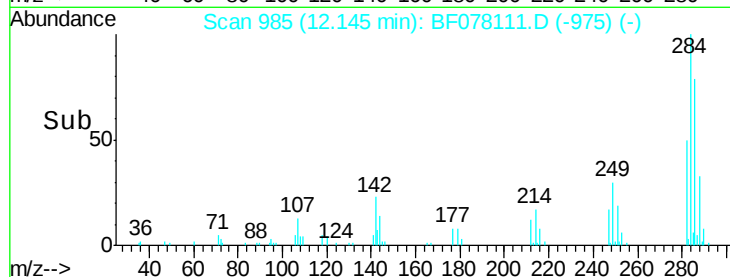
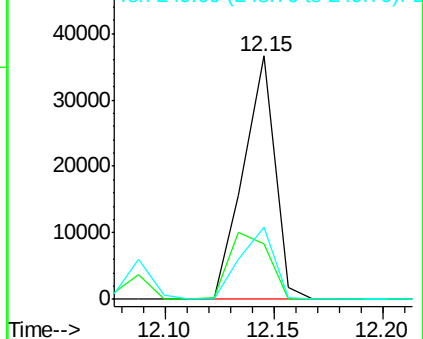
249 29.7 23.8 35.6



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

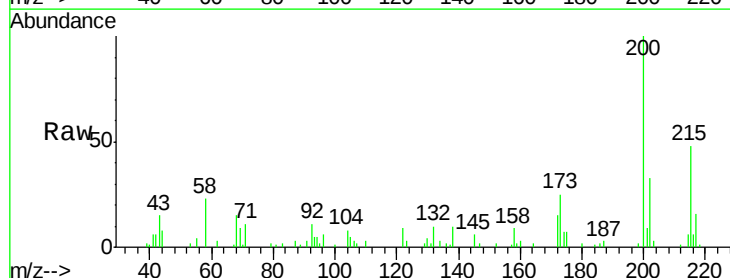
Tgt Ion:200 Resp: 34524

Ion Ratio Lower Upper

200 100

173 24.6 4.8 44.8

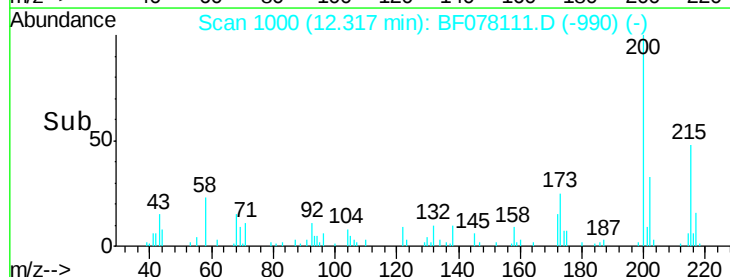
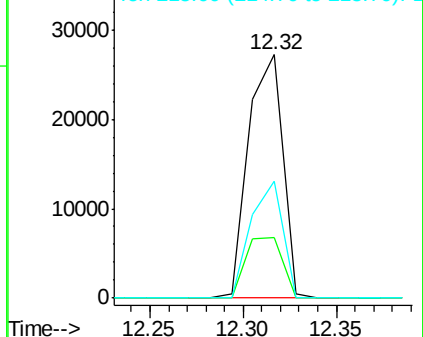
215 47.9 26.9 66.9



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

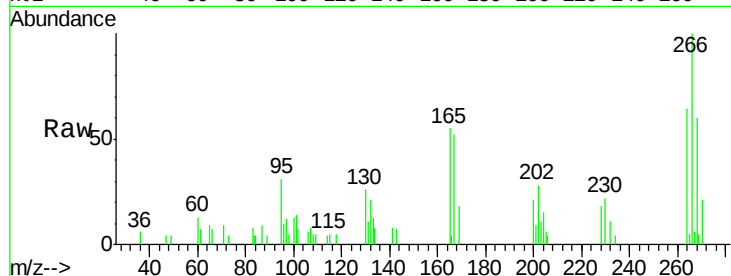




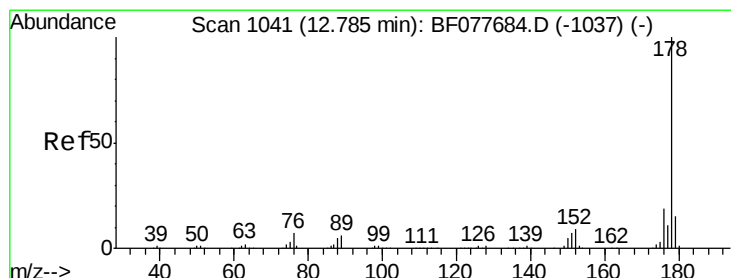
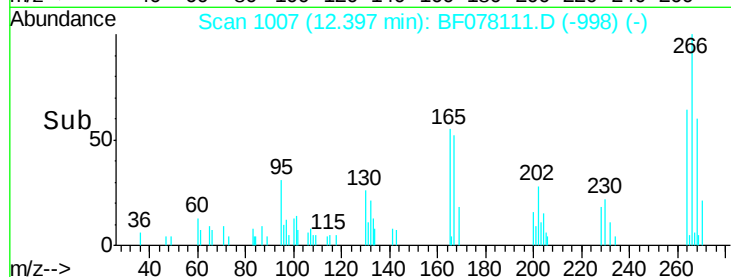
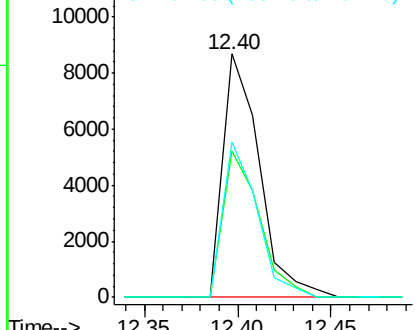
#69
 Pentachlorophenol
 Concen: 14.77 ng
 RT: 12.40 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

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

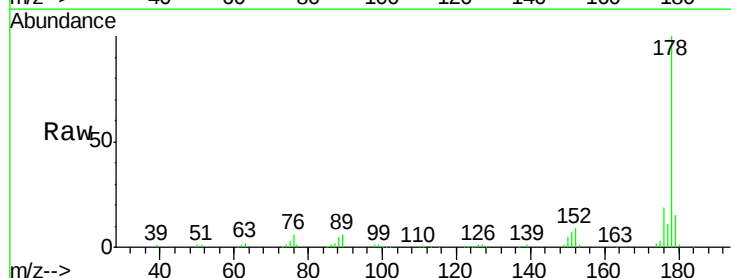


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

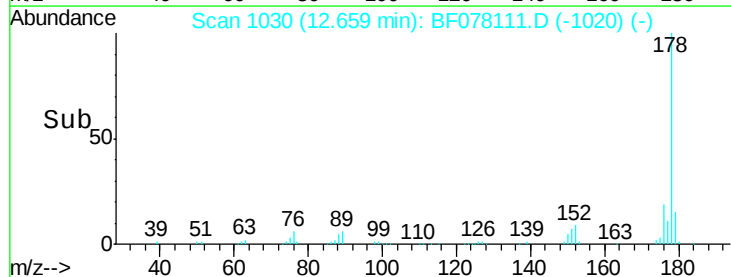
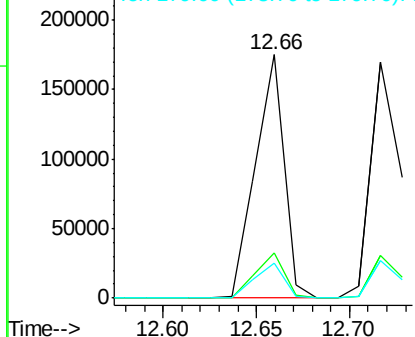


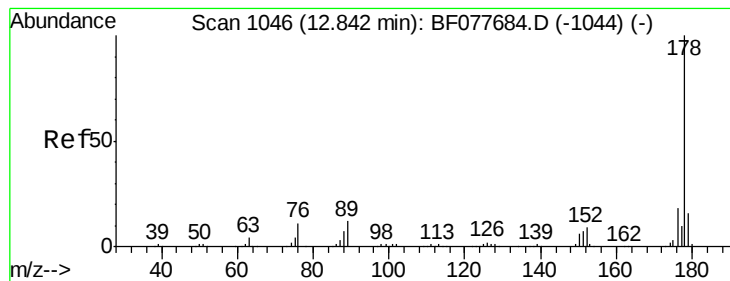
#70
 Phenanthrene
 Concen: 20.38 ng
 RT: 12.66 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

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

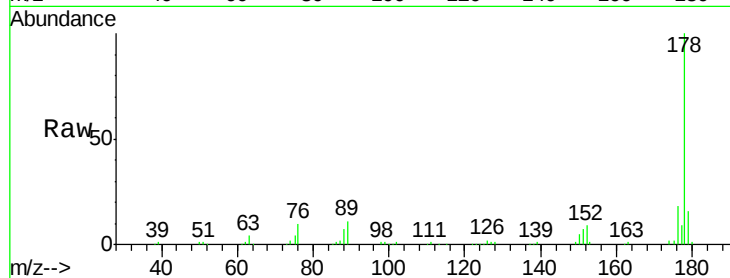
Tot Ion:178 Resp: 184304

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

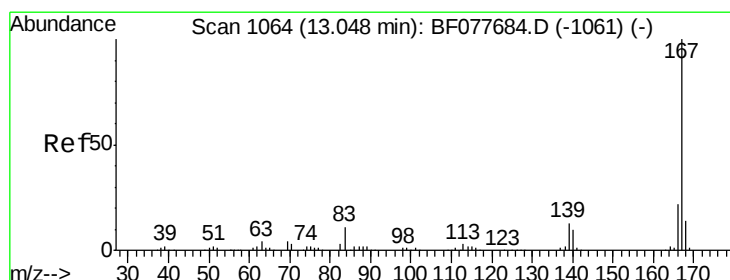
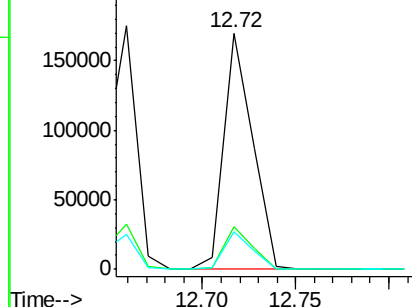
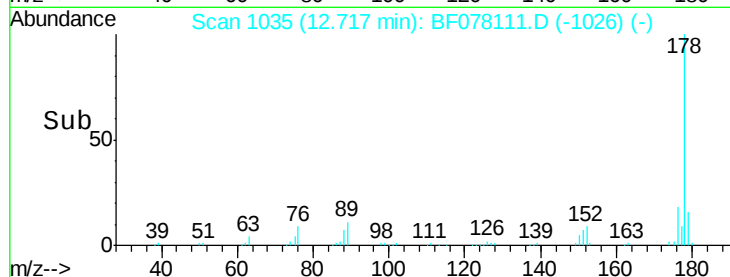
179 15.6 12.6 19.0



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

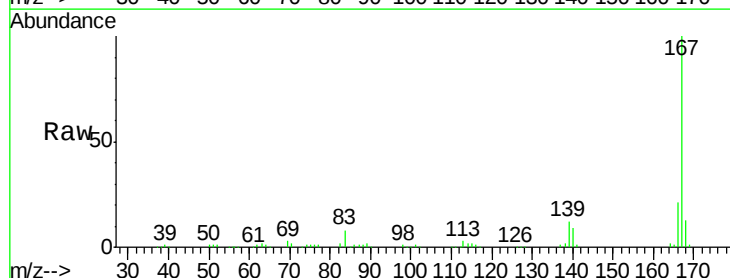
Tgt Ion:167 Resp: 174143

Ion Ratio Lower Upper

167 100

166 21.1 17.2 25.8

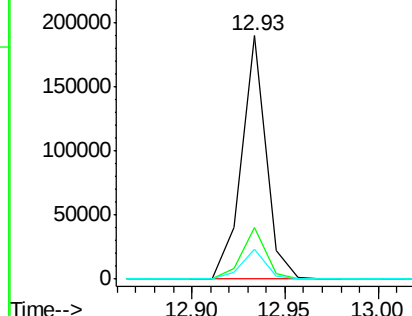
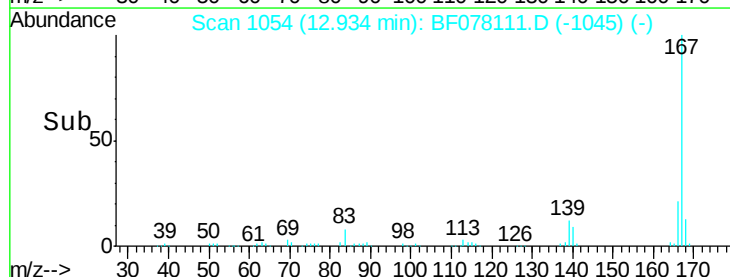
139 12.4 10.8 16.2



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

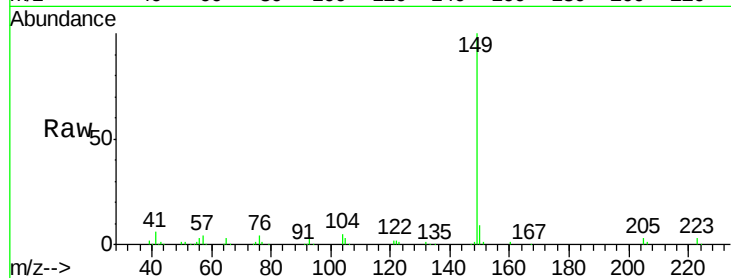




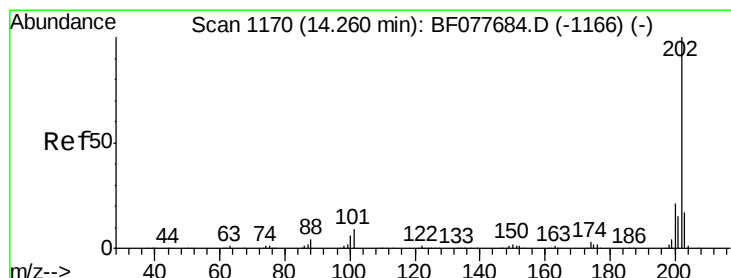
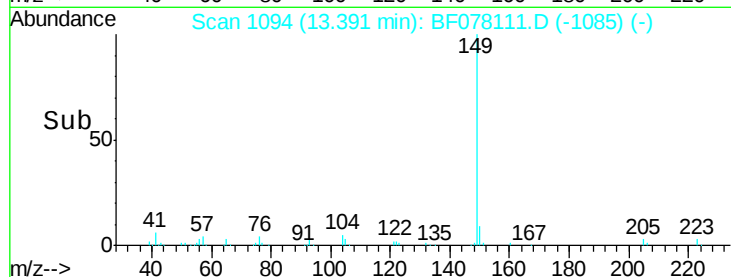
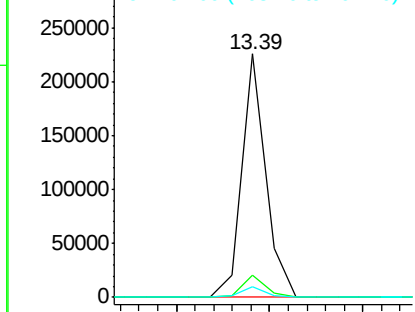
#73
Di-n-butylphthalate
Concen: 20.94 ng
RT: 13.39 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:149 Resp: 201135
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 4.6 3.7 5.5

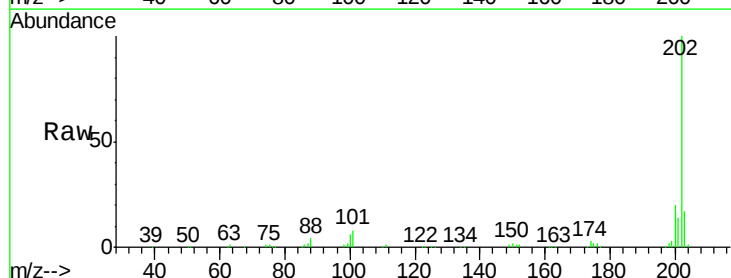


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

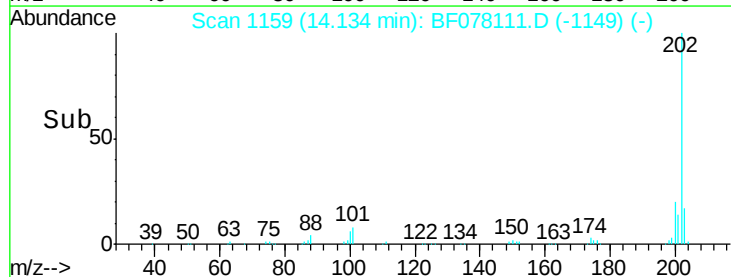
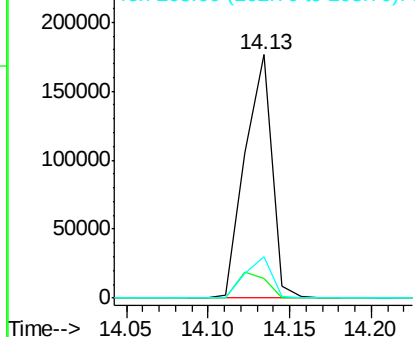


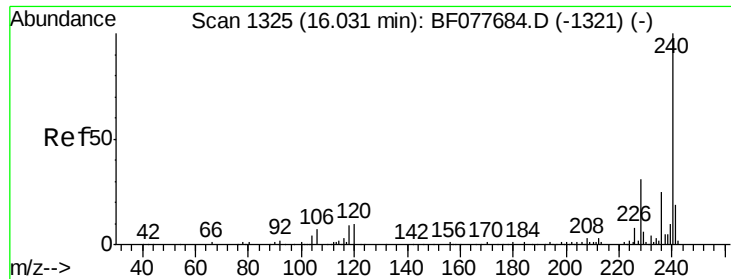
#74
Fluoranthene
Concen: 20.00 ng
RT: 14.13 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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

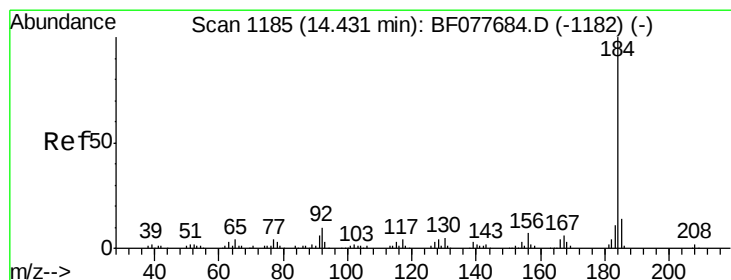
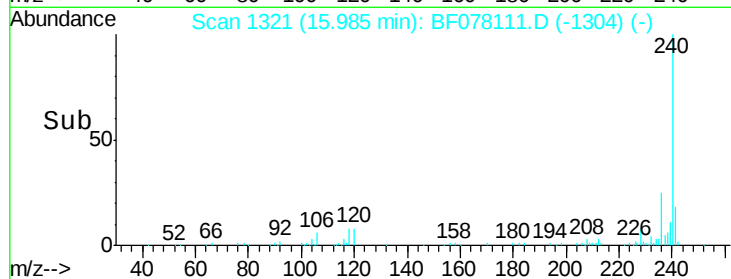
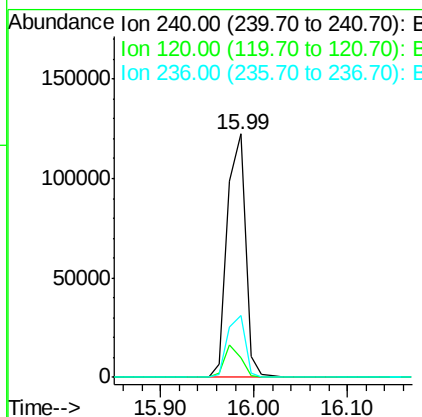
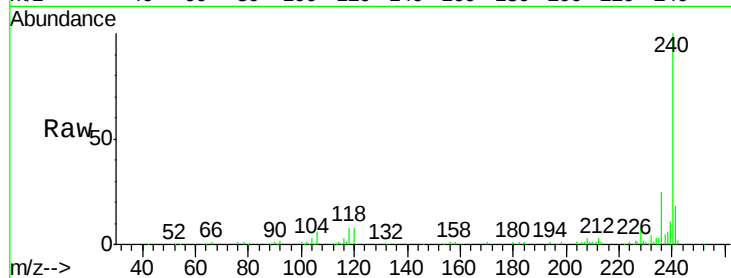




#75
 Chrysene-d12
 Concen: 20.00 ng/ml
 RT: 15.99 min Scan# 1321
 Delta R.T. 0.09 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

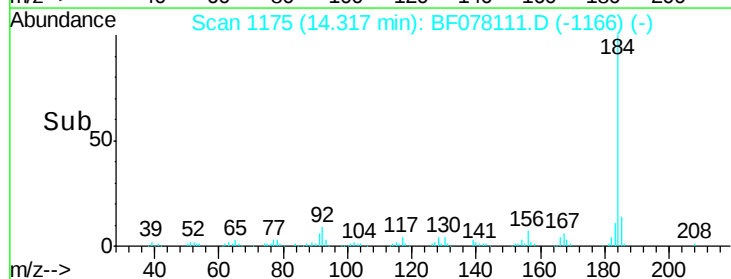
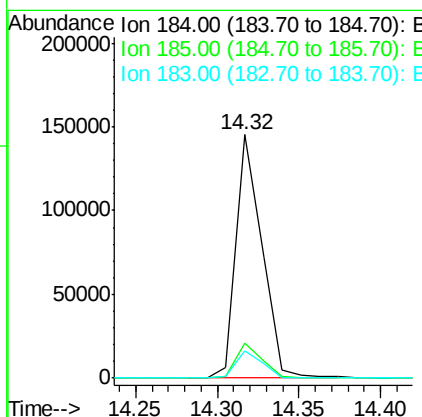
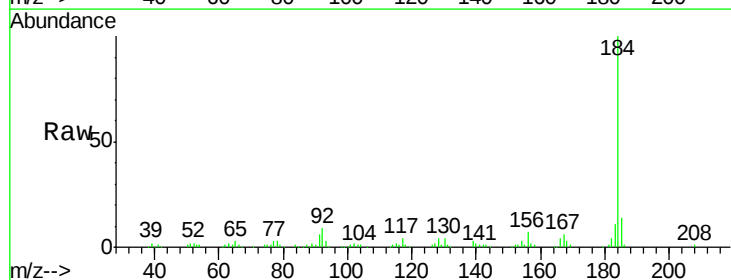
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

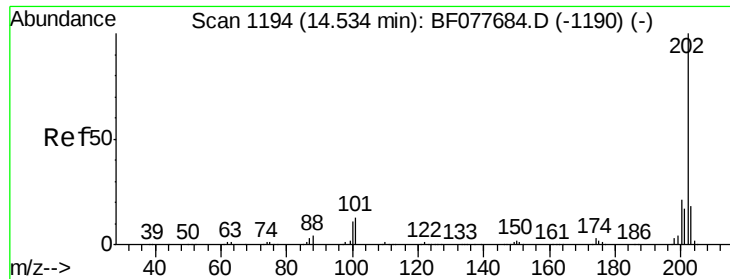
Tot Ion:240 Resp: 165319
 Ion Ratio Lower Upper
 240 100
 120 8.0 8.2 12.2#
 236 25.4 20.0 30.0



#76
 Benzidine
 Concen: 38.95 ng
 RT: 14.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:184 Resp: 159329
 Ion Ratio Lower Upper
 184 100
 185 14.4 11.3 16.9
 183 11.3 8.9 13.3

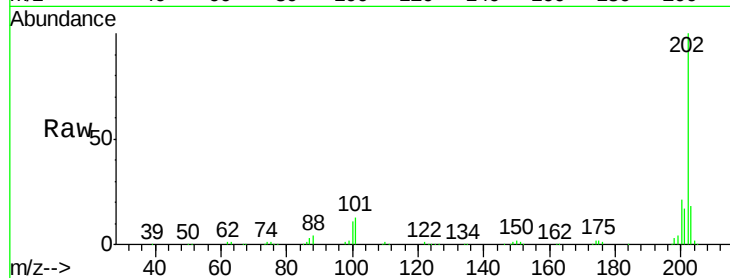




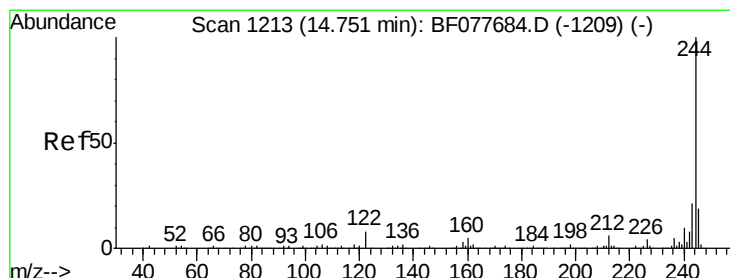
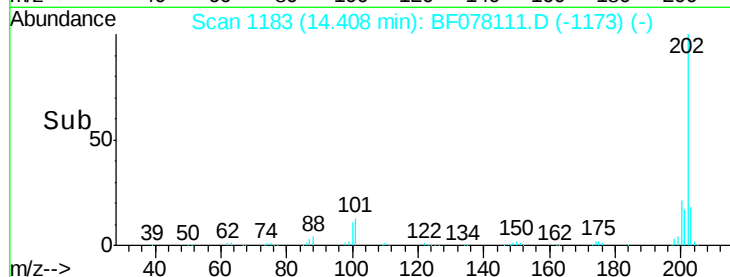
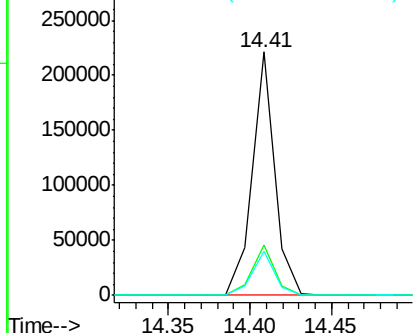
#77
Pvrene
Concen: 20.48 ng
RT: 14.41 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2015-02

Tot Ion:202 Resp: 212877
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 17.8 14.1 21.1

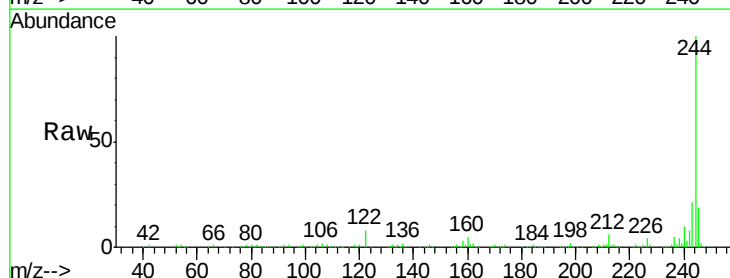


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

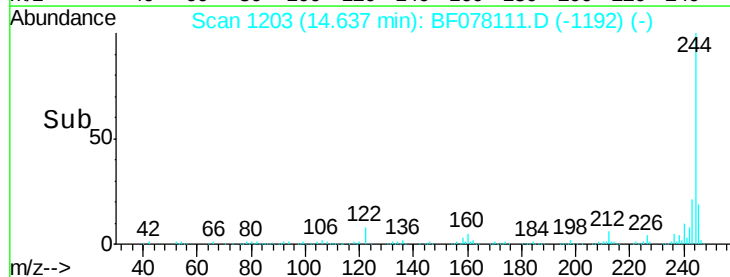
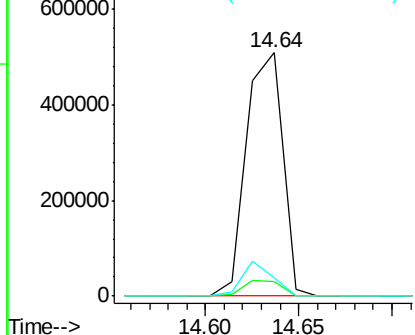


#78
Terphenyl-d14
Concen: 102.06 ng
RT: 14.64 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BF078111.D
Acq: 31 Mar 2015 13:29

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



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 19.86 ng

RT: 15.28 min Scan# 1259

Delta R.T. 0.03 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

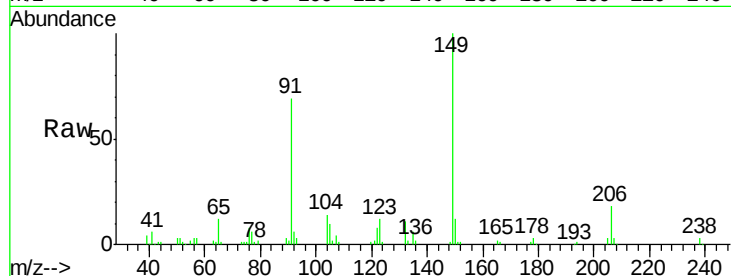
Tot Ion:149 Resp: 81414

Ion Ratio Lower Upper

149 100

91 69.1 50.1 75.1

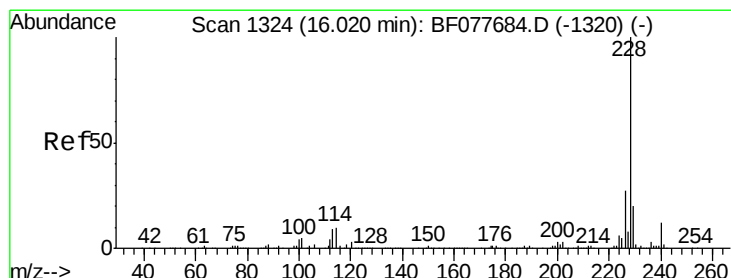
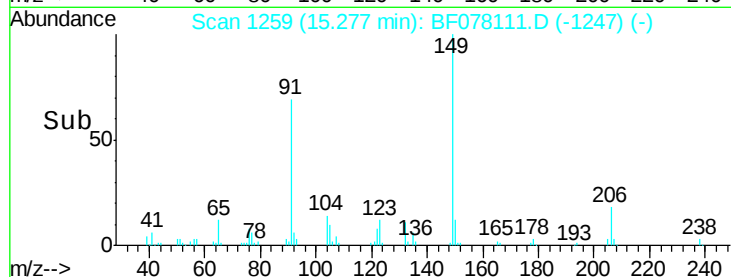
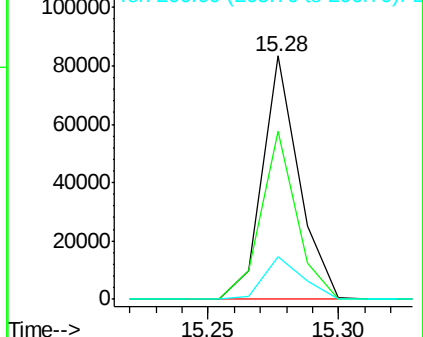
206 17.8 16.2 24.2



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: 20.28 ng m

RT: 15.96 min Scan# 1319

Delta R.T. 0.08 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

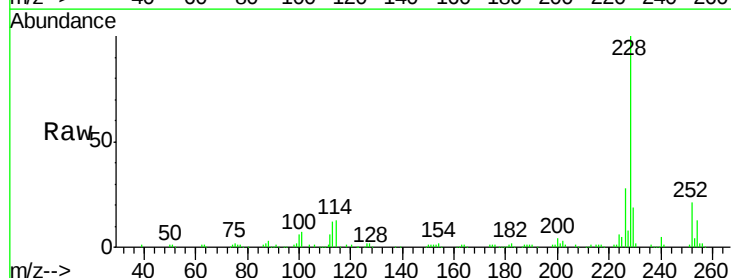
Tgt Ion:228 Resp: 198715

Ion Ratio Lower Upper

228 100

226 27.5 21.7 32.5

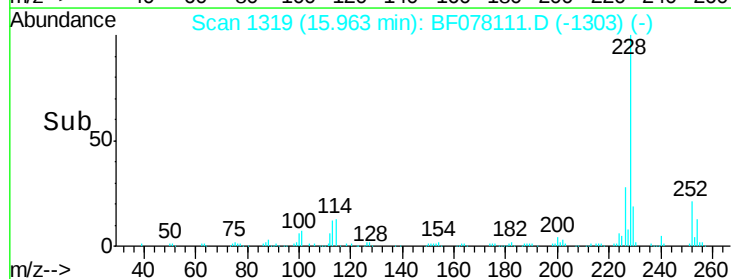
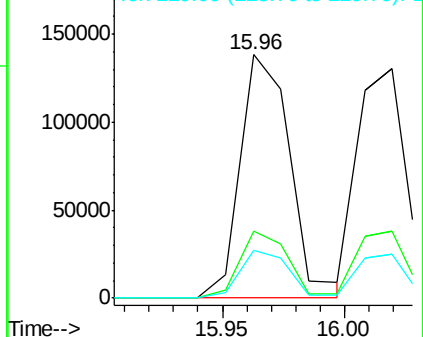
229 19.4 16.0 24.0



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

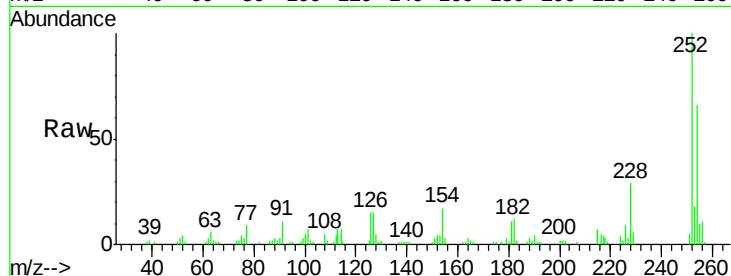




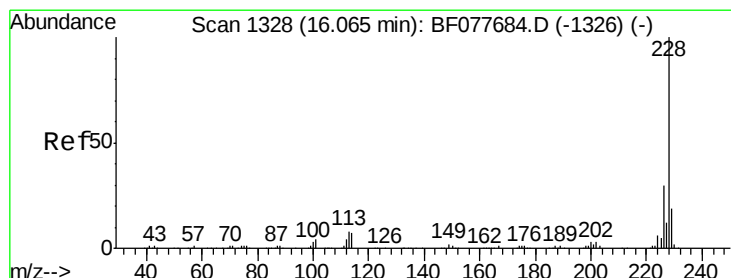
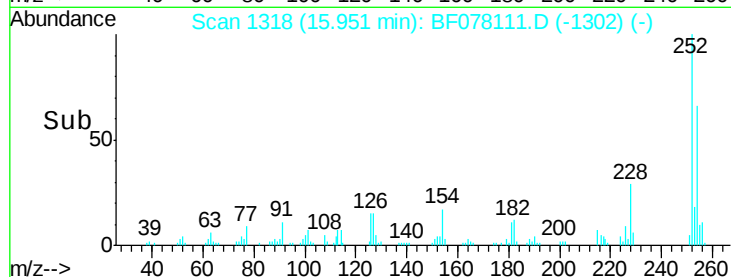
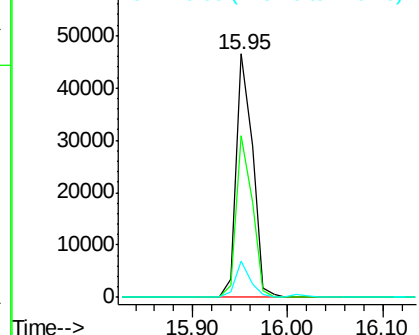
#81
 3,3'-Dichlorobenzidine
 Concen: 17.23 ng m
 RT: 15.95 min Scan# 1318
 Delta R.T. 0.08 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:252 Resp: 55691
 Ion Ratio Lower Upper
 252 100
 254 66.3 51.9 77.9
 126 14.9 9.8 14.8#

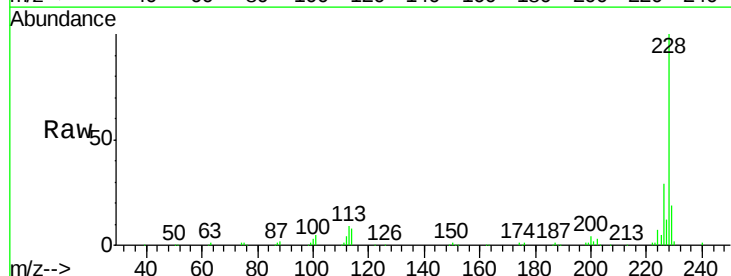


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

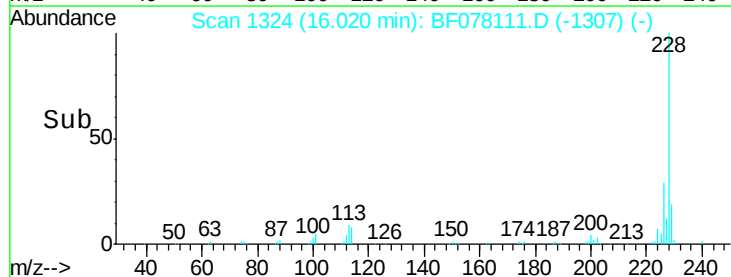
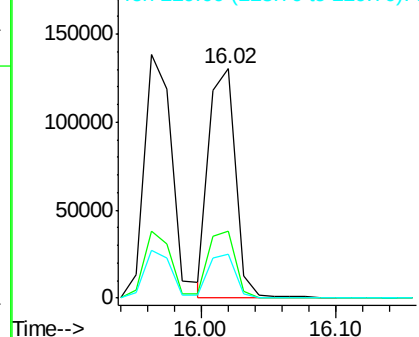


#82
 Chrysene
 Concen: 20.68 ng m
 RT: 16.02 min Scan# 1324
 Delta R.T. 0.09 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:228 Resp: 182267
 Ion Ratio Lower Upper
 228 100
 226 29.1 24.1 36.1
 229 19.2 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

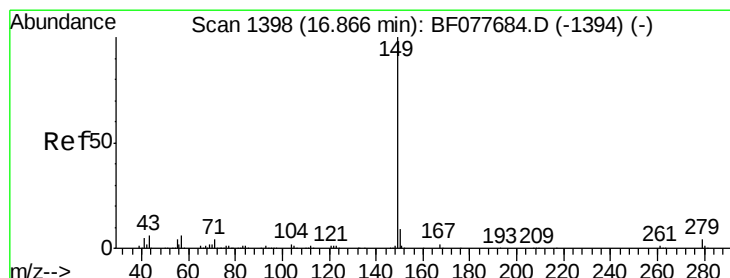
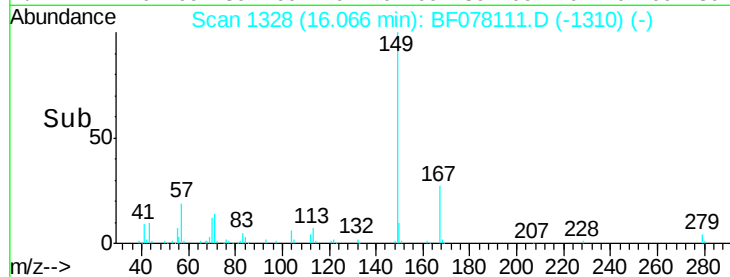
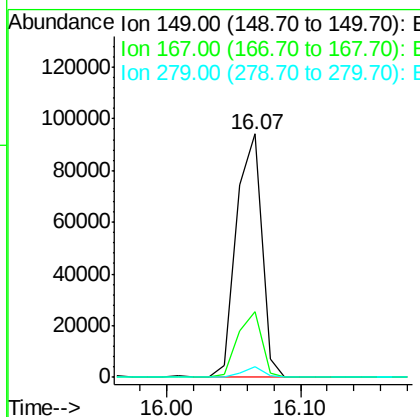
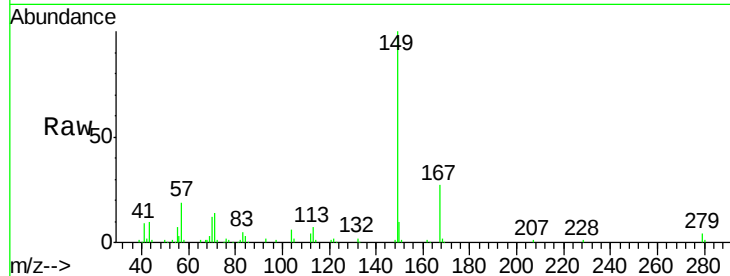




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 19.86 ng m
 RT: 16.07 min Scan# 1328
 Delta R.T. 0.10 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

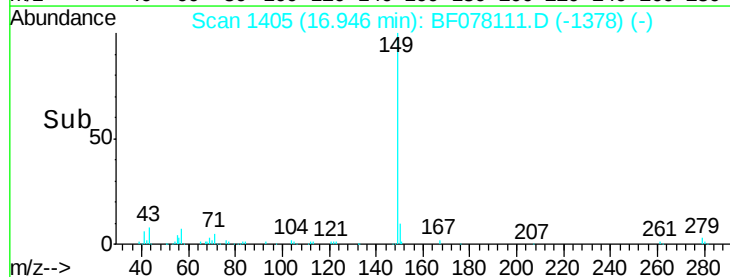
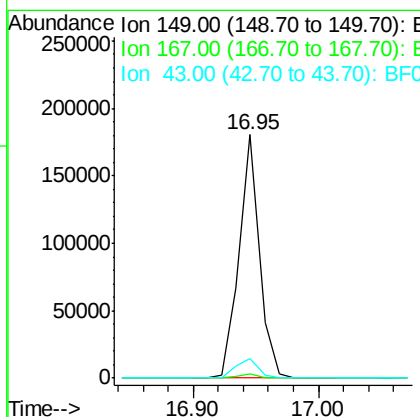
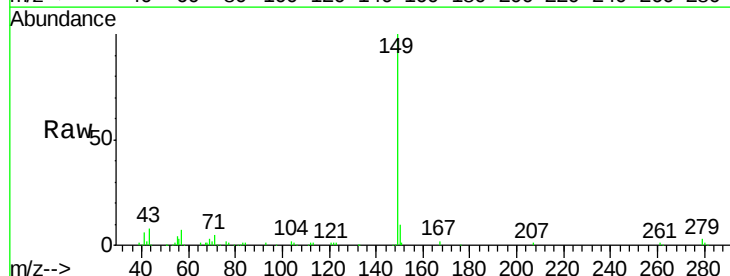
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:149 Resp: 123305
 Ion Ratio Lower Upper
 149 100
 167 27.0 22.4 33.6
 279 4.4 3.4 5.0



#84
 Di-n-octyl phthalate
 Concen: 19.06 ng m
 RT: 16.95 min Scan# 1405
 Delta R.T. 0.21 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:149 Resp: 202372
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 0.0 7.3 10.9#

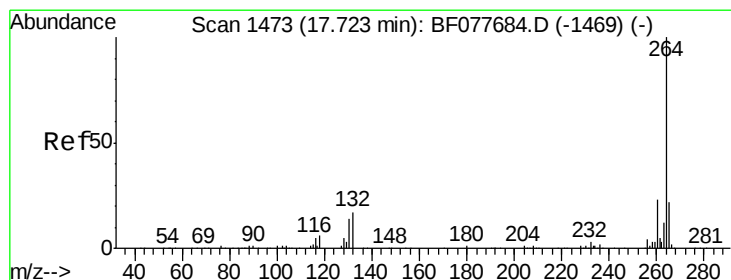
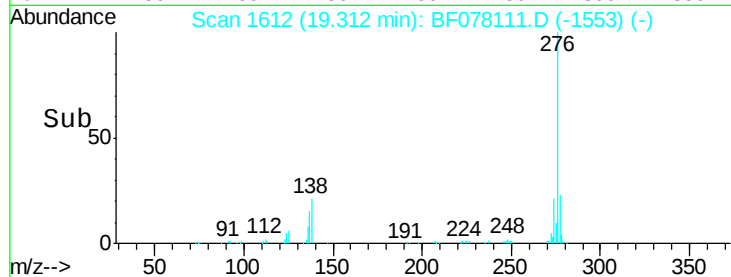
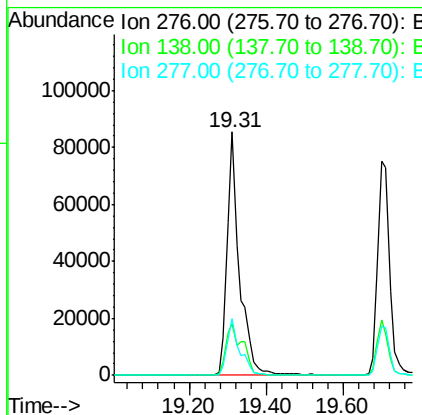
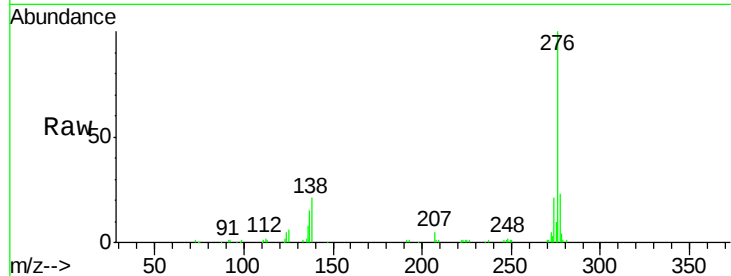




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.24 ng m
 RT: 19.31 min Scan# 1612
 Delta R.T. 0.38 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

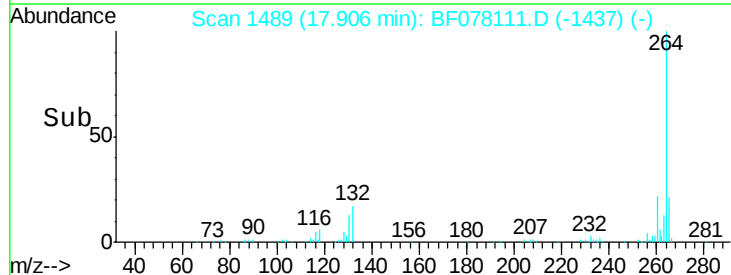
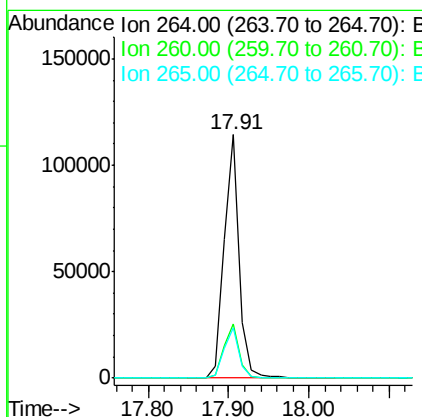
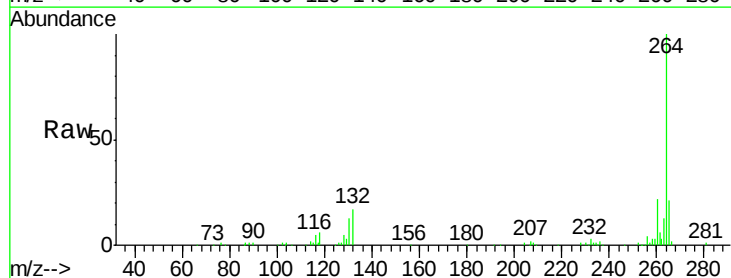
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:276 Resp: 189583
 Ion Ratio Lower Upper
 276 100
 138 0.0 0.0 0.0
 277 0.0 0.0 0.0



#86
 Perylene-d12
 Concen: 20.00 ng m
 RT: 17.91 min Scan# 1489
 Delta R.T. 0.30 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Tgt Ion:264 Resp: 150842
 Ion Ratio Lower Upper
 264 100
 260 22.2 18.6 27.8
 265 20.7 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 19.61 ng m

RT: 17.40 min Scan# 1445

Delta R.T. 0.24 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

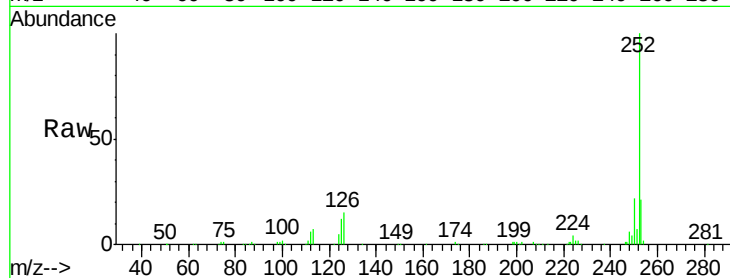
Tot Ion:252 Resp: 193082

Ion Ratio Lower Upper

252 100

253 20.9 18.0 27.0

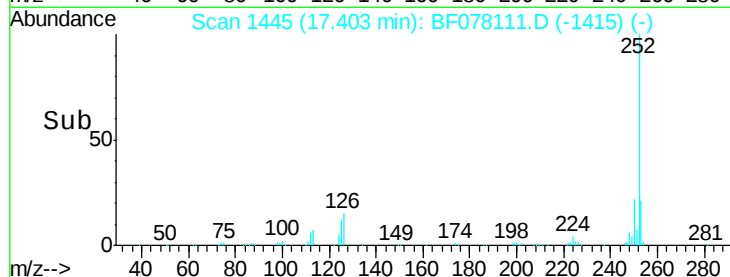
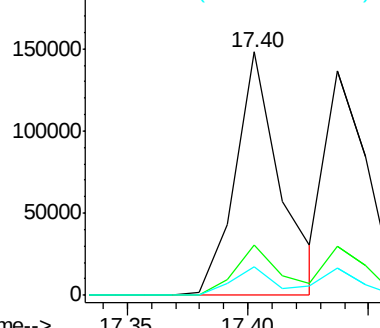
125 11.6 9.9 14.9



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



#88

Benzo(k)fluoranthene

Concen: 21.59 ng m

RT: 17.44 min Scan# 1448

Delta R.T. 0.24 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

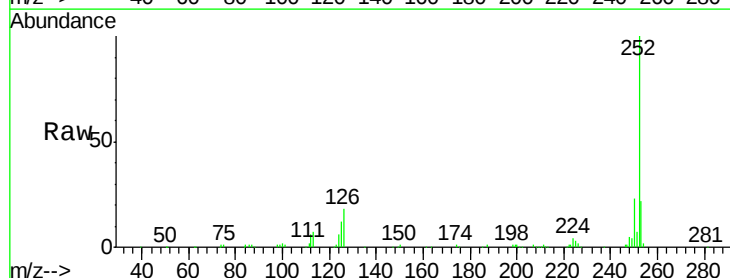
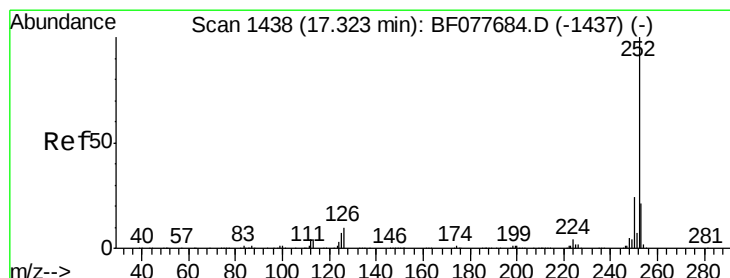
Tgt Ion:252 Resp: 166047

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

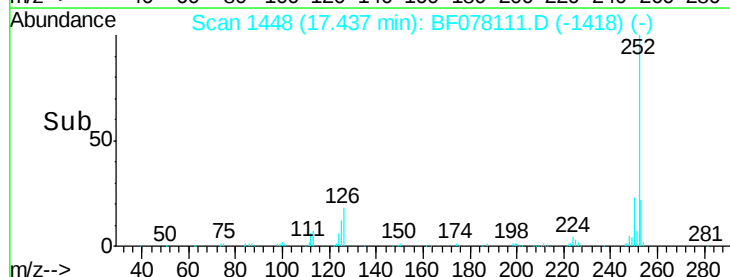
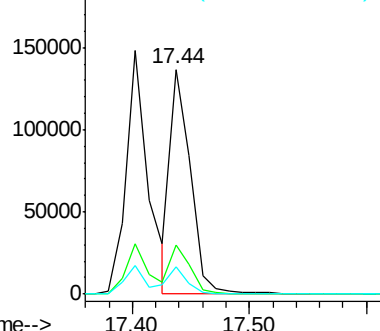
125 12.0 8.1 12.1



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





#89

Benzo(a)pyrene

Concen: 20.30 ng m

RT: 17.83 min Scan# 1482

Delta R.T. 0.29 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2015-02

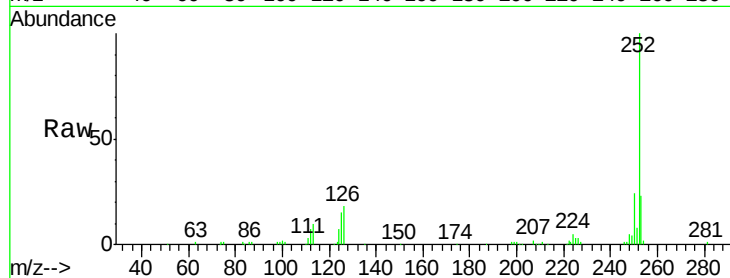
Tot Ion:252 Resp: 166827

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

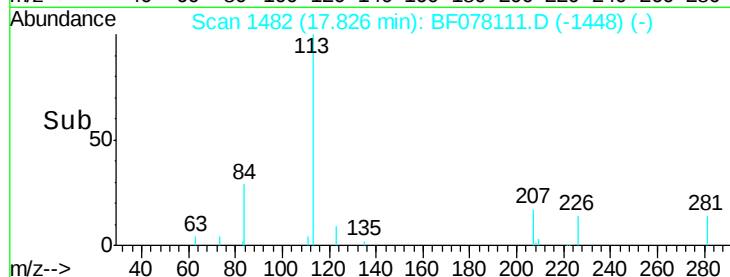
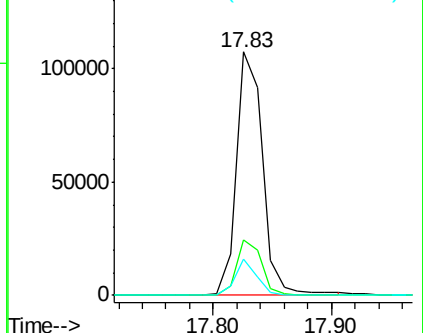
125 14.8 7.4 11.2#



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: 19.37 ng m

RT: 19.35 min Scan# 1615

Delta R.T. 0.39 min

Lab File: BF078111.D

Acq: 31 Mar 2015 13:29

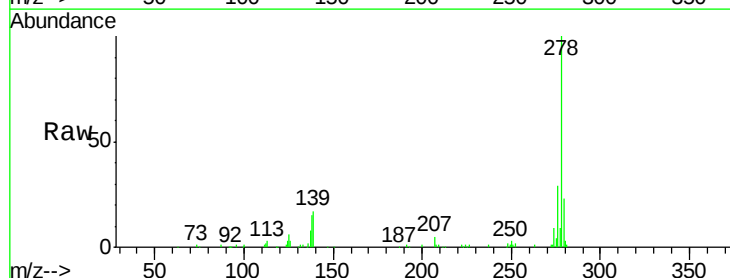
Tgt Ion:278 Resp: 157835

Ion Ratio Lower Upper

278 100

139 17.2 13.4 20.0

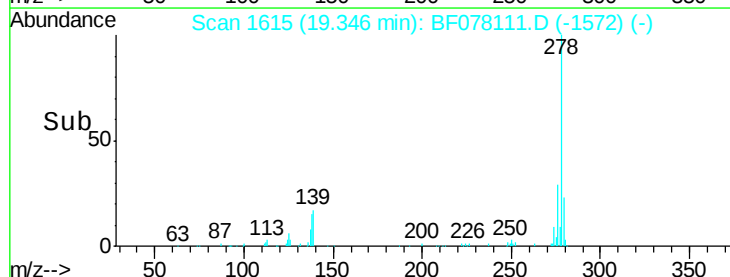
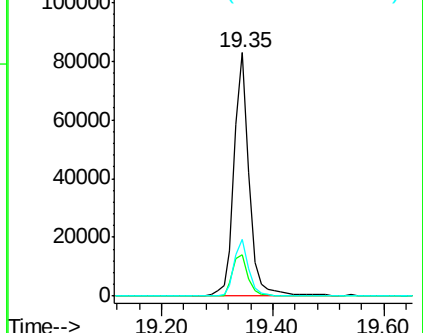
279 23.3 19.0 28.4



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(a,h,i)perylene
 Concen: 19.66 ng m
 RT: 19.70 min Scan# 1646
 Delta R.T. 0.38 min
 Lab File: BF078111.D
 Acq: 31 Mar 2015 13:29

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Tot Ion:	276	Resp:	163137
Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	26.0	19.0	28.6

