

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
 Data File : BF077997.D
 Acq On : 26 Mar 2015 16:07
 Operator : TP/IZ
 Sample : G1614-03
 Misc : LOD-SOIL-8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Mar 27 00:18:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 00:54:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	33126	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	140198	20.00	ng	0.00
38) Acenaphthene-d10	10.84	164	70494	20.00	ng	0.00
63) Phenanthrene-d10	12.67	188	148638	20.00	ng	-0.01
75) Chrysene-d12	15.95	240	165332	20.00	ng	-0.06
86) Perylene-d12	17.68	264	155763	20.00	ng	-0.22

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	263236	138.71	ng	0.00
7) Phenol-d6	6.67	99	317402	135.37	ng	-0.01
23) Nitrobenzene-d5	7.79	82	194814	91.09	ng	0.00
41) 2,4,6-Tribromophenol	11.81	330	84463	125.23	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	439124	91.55	ng	0.00
78) Terphenyl-d14	14.67	244	556494	82.22	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.97	88	4481	5.20	ng	# 100
3) Pyridine	2.70	79	11895	5.14	ng	# 77
4) n-Nitrosodimethylamine	2.60	42	5356	5.31	ng	# 78
6) Aniline	6.68	93	22030	6.57	ng	# 54
8) 2-Chlorophenol	6.83	128	16568	7.33	ng	93
9) Benzaldehyde	6.54	77	12093	12.59	ng	88
10) Phenol	6.69	94	20760	7.49	ng	80
11) bis(2-Chloroethyl)ether	6.78	93	15356	7.40	ng	91
12) 1,3-Dichlorobenzene	7.01	146	17148	6.83	ng	98
13) 1,4-Dichlorobenzene	7.12	146	17964	6.88	ng	96
14) 1,2-Dichlorobenzene	7.30	146	17050	7.12	ng	95
15) Benzyl Alcohol	7.29	79	14476	7.91	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.46	45	19365	6.92	ng	98
17) 2-Methylphenol	7.44	107	12859	6.99	ng	95
18) Hexachloroethane	7.71	117	5739	6.70	ng	98
19) n-Nitroso-di-n-propylamine	7.62	70	10340	6.37	ng	# 94
20) 3+4-Methylphenols	7.63	107	15977	6.62	ng	90
22) Acetophenone	7.61	105	21538	6.94	ng	# 94
24) Nitrobenzene	7.81	77	15846	6.88	ng	# 82
25) Isophorone	8.11	82	28765	6.66	ng	95
26) 2-Nitrophenol	8.21	139	6422	5.69	ng	# 89
27) 2,4-Dimethylphenol	8.28	122	12719	6.19	ng	91
28) bis(2-Chloroethoxy)methane	8.40	93	18681	7.13	ng	98
29) 2,4-Dichlorophenol	8.51	162	12603	6.43	ng	91
30) 1,2,4-Trichlorobenzene	8.60	180	14845	6.77	ng	97
31) Naphthalene	8.69	128	49479	6.87	ng	99
32) Benzoic acid	8.38	122	1247	4.11	ng	96
33) 4-Chloroaniline	8.78	127	19187	6.57	ng	96
34) Hexachlorobutadiene	8.85	225	8416	6.77	ng	98
35) Caprolactam	9.18	113	3321	5.80	ng	# 85
36) 4-Chloro-3-methylphenol	9.39	107	13214	6.70	ng	# 84
37) 2-Methylnaphthalene	9.55	142	32951	6.81	ng	98
39) 1,2,4,5-Tetrachlorobenzene	9.76	216	14561	6.93	ng	# 100
40) Hexachlorocyclopentadiene	9.74	237	2572	5.51	ng	99

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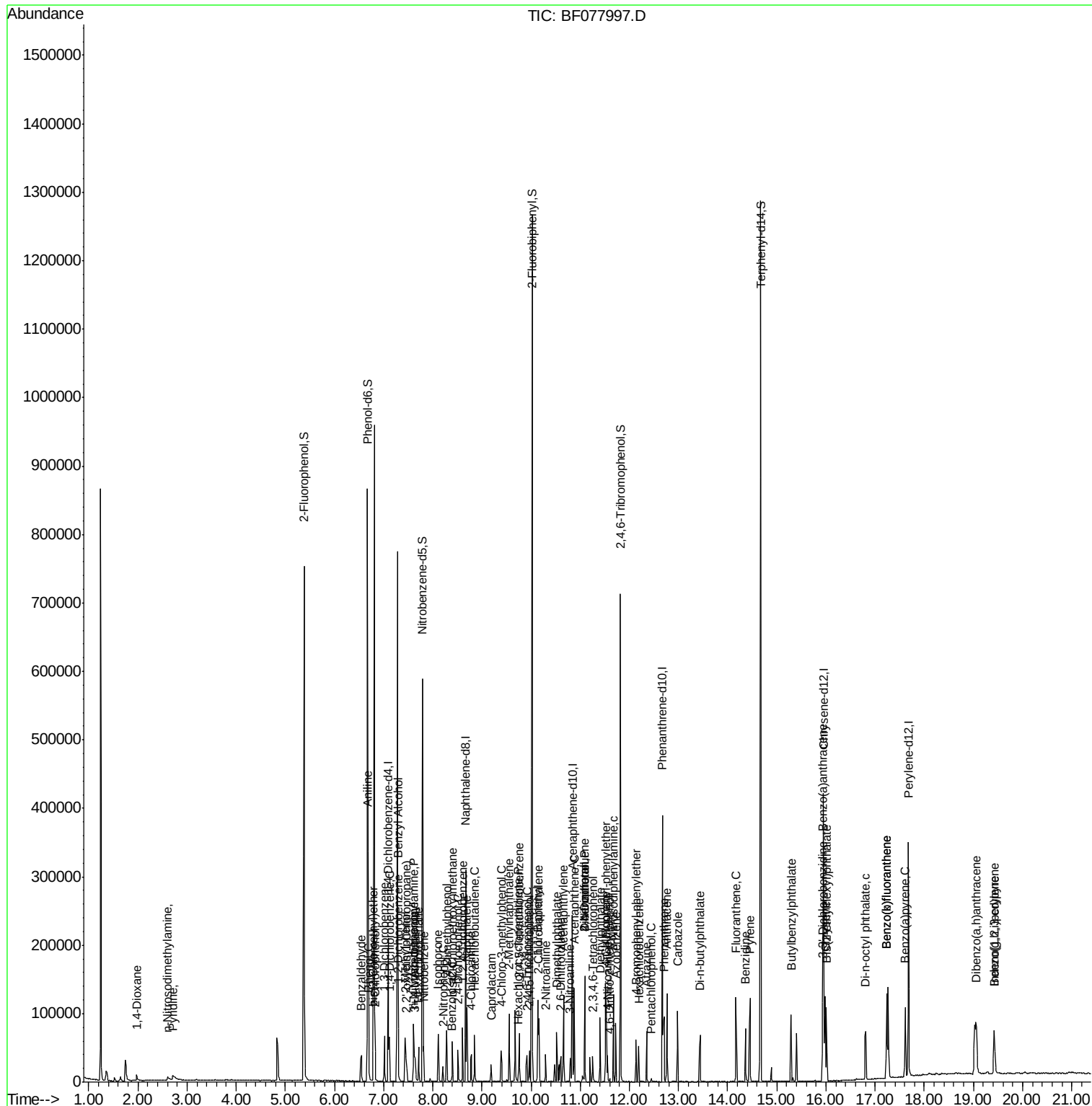
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.92	196	8099	5.56	ng	96
43) 2,4,5-Trichlorophenol	9.96	196	9888	6.28	ng #	92
45) 1,1'-Biphenyl	10.13	154	40794	7.24	ng	97
46) 2-Chloronaphthalene	10.16	162	31849	6.95	ng	96
47) 2-Nitroaniline	10.29	65	7034	6.18	ng	97
48) Acenaphthylene	10.66	152	50852	6.68	ng	99
49) Dimethylphthalate	10.52	163	35572	6.80	ng	98
50) 2,6-Dinitrotoluene	10.60	165	7414	6.84	ng #	76
51) Acenaphthene	10.88	154	30315	6.94	ng	99
52) 3-Nitroaniline	10.80	138	7447	5.92	ng #	67
54) Dibenzofuran	11.09	168	47671	7.36	ng	99
55) 4-Nitrophenol	11.09	139	20808	22.32	ng #	23
56) 2,4-Dinitrotoluene	11.09	165	9171	6.49	ng #	92
57) Fluorene	11.52	166	37843	7.04	ng	99
58) 2,3,4,6-Tetrachlorophenol	11.25	232	6909	5.70	ng #	100
59) Diethylphthalate	11.40	149	37497	7.36	ng	97
60) 4-Chlorophenyl-phenylether	11.53	204	18285	7.45	ng	99
61) 4-Nitroaniline	11.55	138	8261	6.59	ng	87
62) Azobenzene	11.72	77	32570	6.69	ng	98
64) 4,6-Dinitro-2-methylphenol	11.60	198	860	5.41	ng	88
65) n-Nitrosodiphenylamine	11.68	169	32678	6.60	ng	98
66) 4-Bromophenyl-phenylether	12.13	248	9970	6.29	ng	96
67) Hexachlorobenzene	12.19	284	11229	6.44	ng	94
68) Atrazine	12.35	200	9795	7.06	ng	97
69) Pentachlorophenol	12.44	266	1390	4.55	ng	97
70) Phenanthrene	12.71	178	58210	6.82	ng	100
71) Anthracene	12.76	178	57376	6.81	ng	99
72) Carbazole	12.98	167	54749	6.83	ng	98
73) Di-n-butylphthalate	13.44	149	53407	5.94	ng #	96
74) Fluoranthene	14.17	202	64011	6.80	ng	94
76) Benzidine	14.36	184	38236	8.97	ng	99
77) Pyrene	14.45	202	69743	6.71	ng	99
79) Butylbenzylphthalate	15.29	149	23750	5.79	ng	94
80) Benzo(a)anthracene	15.94	228	65720	6.71	ng	98
81) 3,3'-Dichlorobenzidine	15.93	252	19177	5.93	ng	99
82) Chrysene	15.99	228	64574	7.33	ng	97
83) Bis(2-ethylhexyl)phthalate	16.01	149	35318	5.69	ng #	94
84) Di-n-octyl phthalate	16.81	149	53236	5.01	ng	96
85) Indeno(1,2,3-cd)pyrene	19.43	276	54528	4.96	ng #	100
87) Benzo(b)fluoranthene	17.23	252	69764	6.86	ng	98
88) Benzo(k)fluoranthene	17.23	252	69764	8.78	ng	98
89) Benzo(a)pyrene	17.61	252	60700	7.15	ng #	94
90) Dibenzo(a,h)anthracene	19.06	278	53864	6.40	ng	99
91) Benzo(g,h,i)perylene	19.43	276	55232	6.45	ng	99

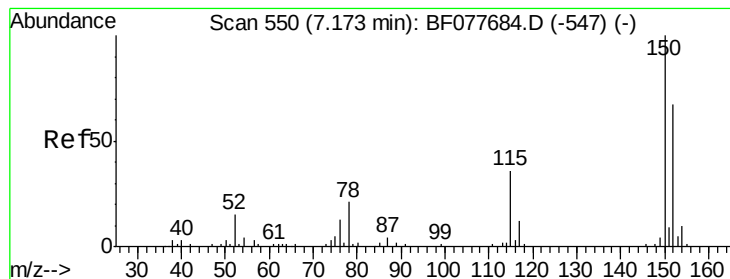
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.09 min Scan# 543

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

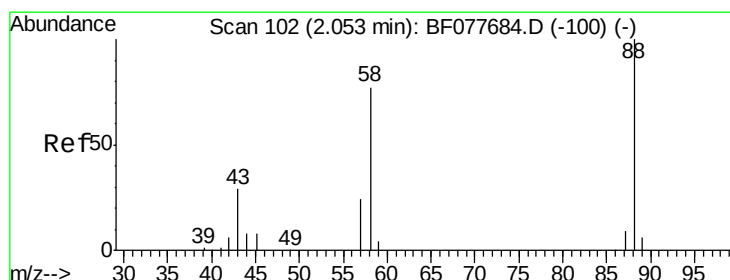
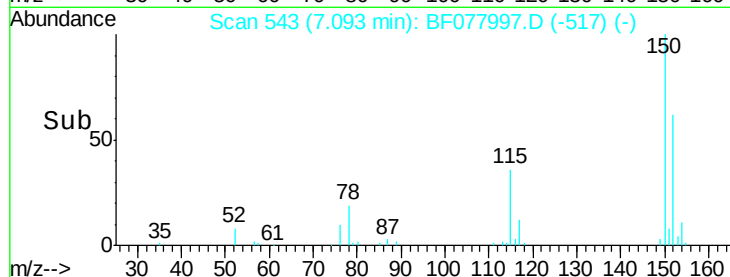
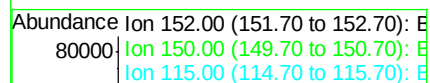
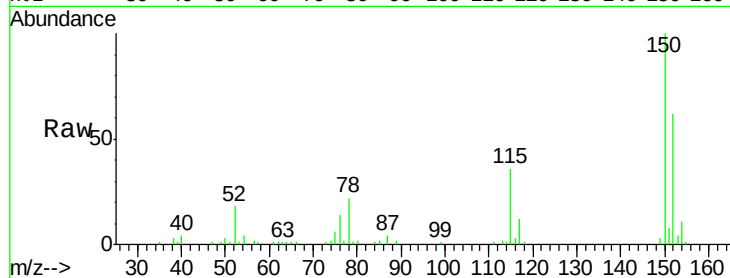
Tgt Ion:152 Resp: 33126

Ion Ratio Lower Upper

152 100

150 161.4 119.5 179.3

115 57.8 43.0 64.4



#2

1,4-Dioxane

Concen: 5.20 ng

RT: 1.97 min Scan# 95

Delta R.T. 0.03 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

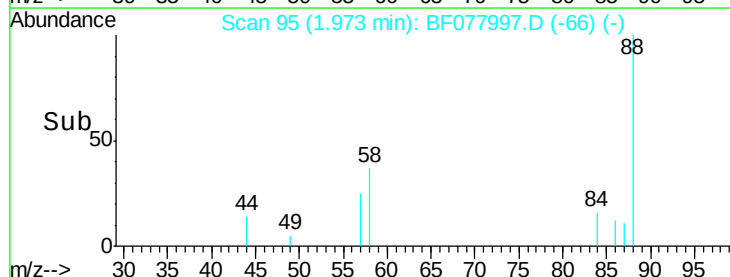
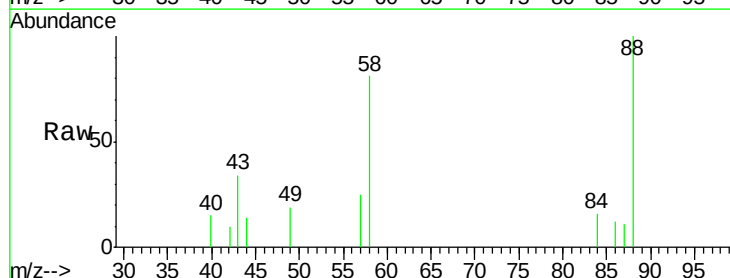
Tgt Ion: 88 Resp: 4481

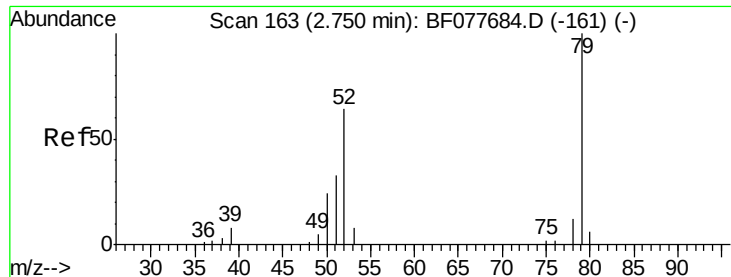
Ion Ratio Lower Upper

88 100

58 78.1 0.0 0.0#

43 26.2 0.0 0.0#





#3

Pyridine

Concen: 5.14 ng

RT: 2.70 min Scan# 159

Delta R.T. 0.10 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

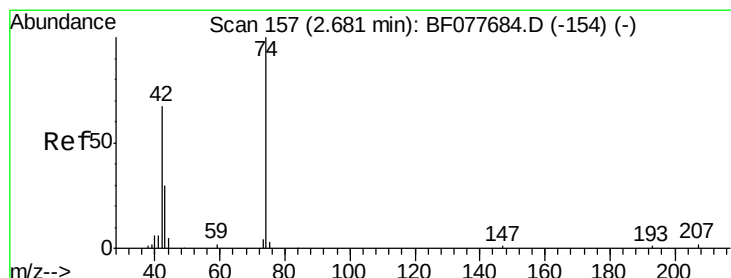
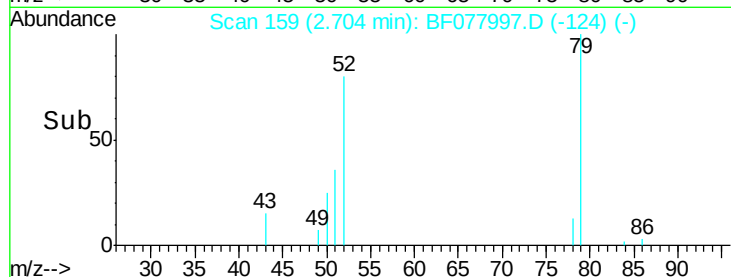
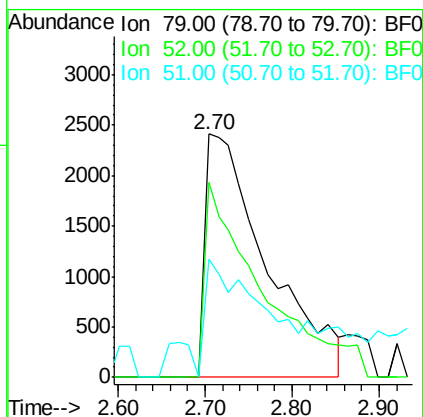
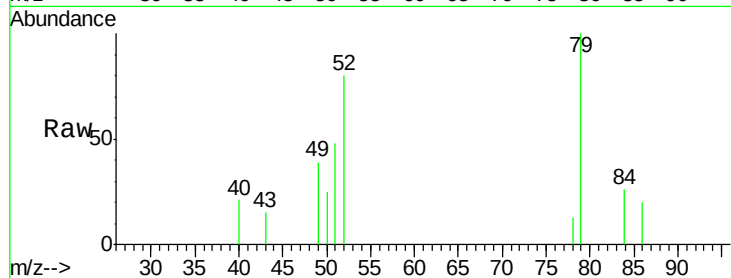
Tgt Ion: 79 Resp: 11895

Ion Ratio Lower Upper

79 100

52 80.2 51.1 76.7#

51 48.3 26.1 39.1#



#4

n-Nitrosodimethylamine

Concen: 5.31 ng

RT: 2.60 min Scan# 150

Delta R.T. 0.06 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

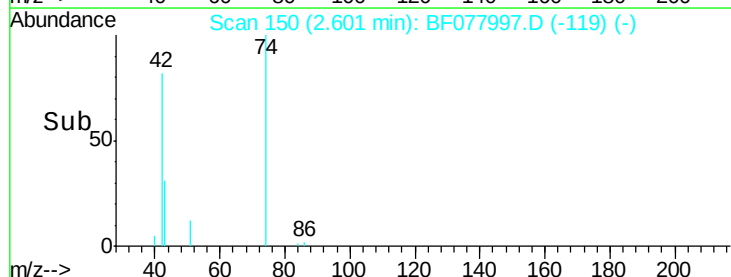
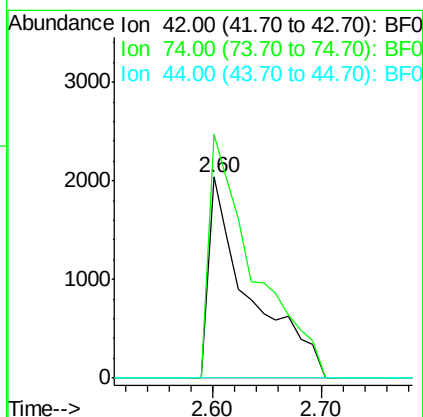
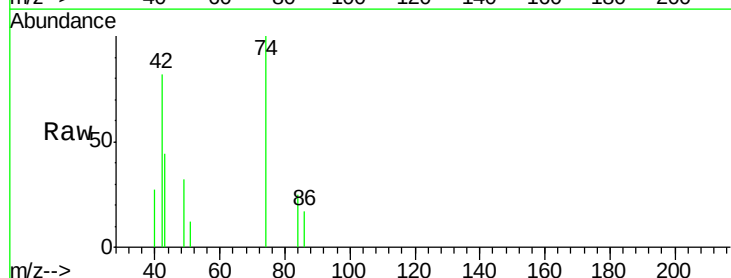
Tgt Ion: 42 Resp: 5356

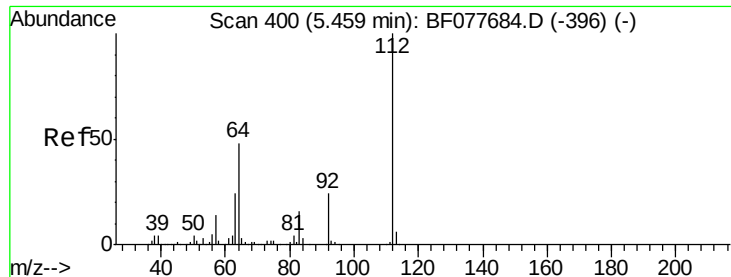
Ion Ratio Lower Upper

42 100

74 121.2 119.3 178.9

44 0.0 5.4 8.2#





#5

2-Fluorophenol

Concen: 138.71 ng

RT: 5.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

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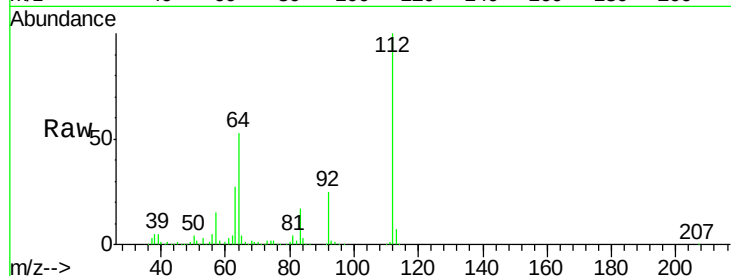
Tgt Ion: 112 Resp: 263236

Ion Ratio Lower Upper

112 100

64 52.7 38.6 57.8

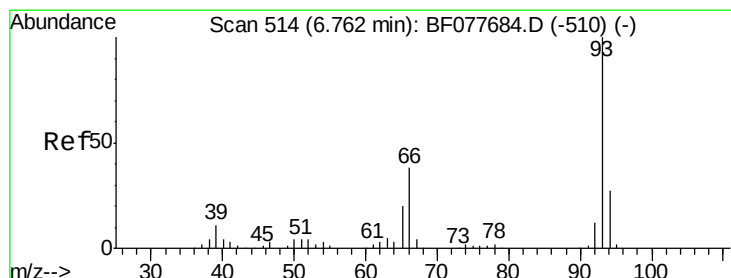
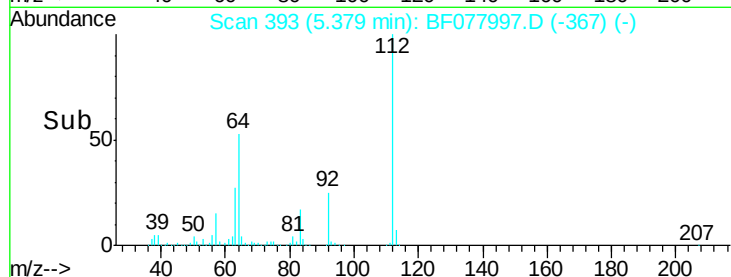
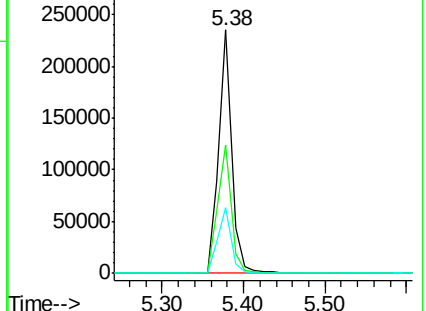
63 27.1 19.3 28.9



Abundance Ion 112.00 (111.70 to 112.70): BF077684.D (-396) (-)

Ion 64.00 (63.70 to 64.70): BF077684.D (-396) (-)

Ion 63.00 (62.70 to 63.70): BF077684.D (-396) (-)



#6

Aniline

Concen: 6.57 ng

RT: 6.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

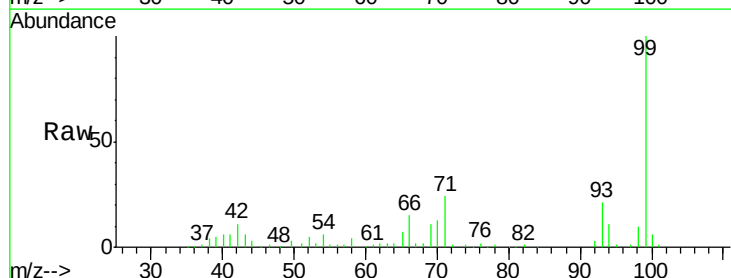
Tgt Ion: 93 Resp: 22030

Ion Ratio Lower Upper

93 100

66 70.9 30.8 46.2#

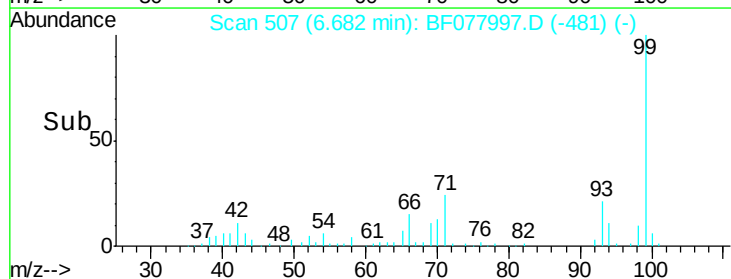
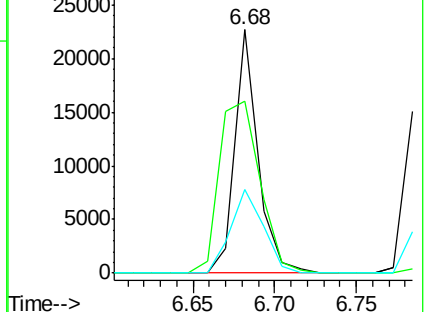
65 34.4 16.0 24.0#

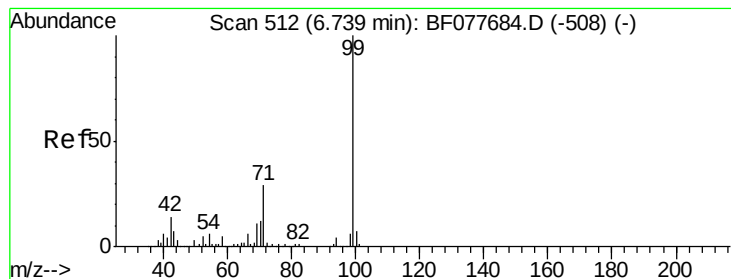


Abundance Ion 93.00 (92.70 to 93.70): BF077684.D (-510) (-)

Ion 66.00 (65.70 to 66.70): BF077684.D (-510) (-)

Ion 65.00 (64.70 to 65.70): BF077684.D (-510) (-)





#7

Phenol-d6

Concen: 135.37 ng

RT: 6.67 min Scan# 506

Delta R.T. -0.01 min

Lab File: BF077997.D

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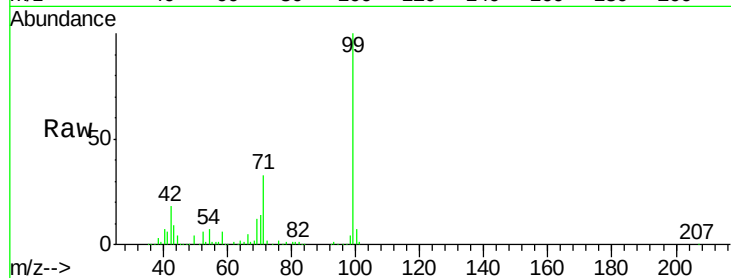
Tgt Ion: 99 Resp: 317402

Ion Ratio Lower Upper

99 100

42 17.7 11.0 16.4#

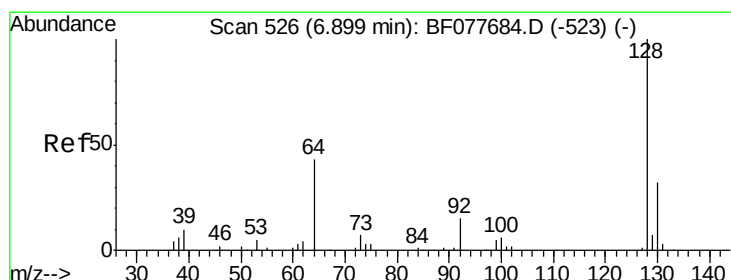
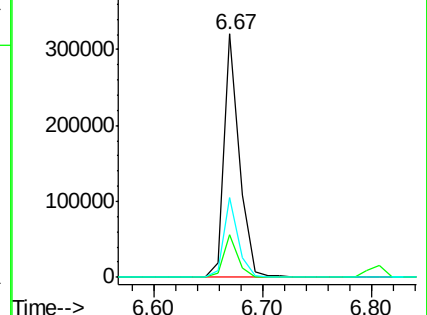
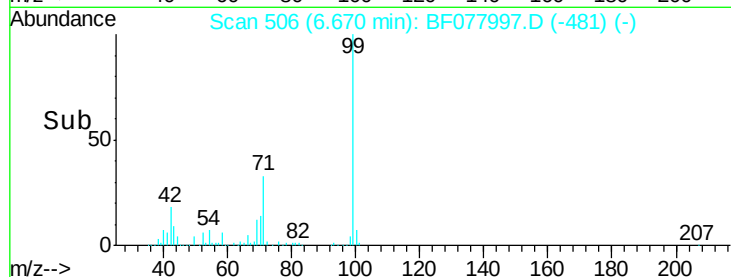
71 32.9 23.4 35.2



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: 7.33 ng

RT: 6.83 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF077997.D

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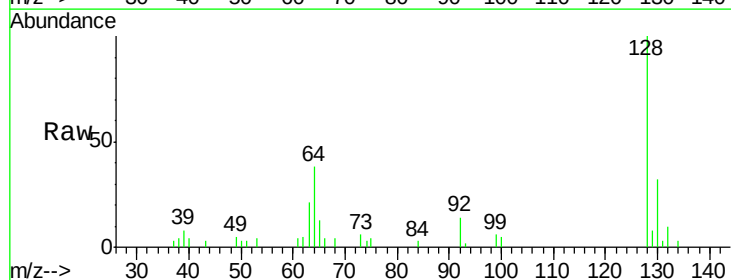
Tgt Ion: 128 Resp: 16568

Ion Ratio Lower Upper

128 100

130 32.2 12.0 52.0

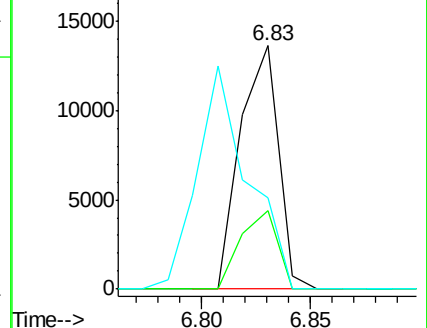
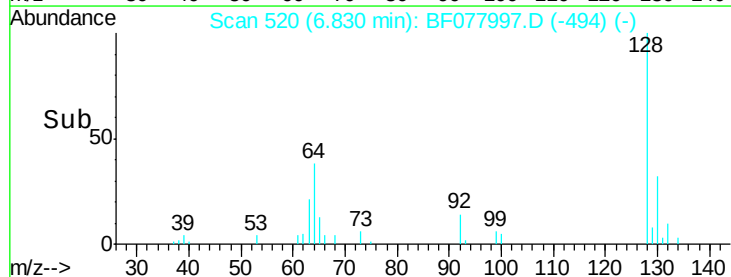
64 37.7 24.9 64.9

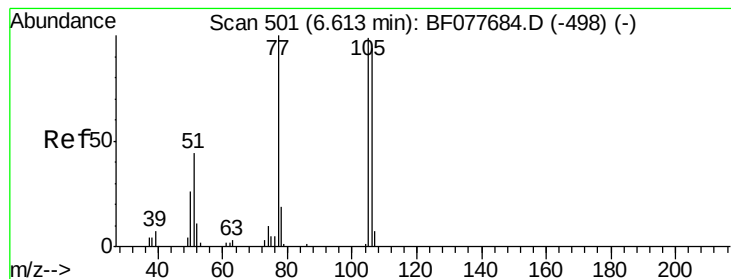


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 12.59 ng

RT: 6.54 min Scan# 495

Delta R.T. -0.00 min

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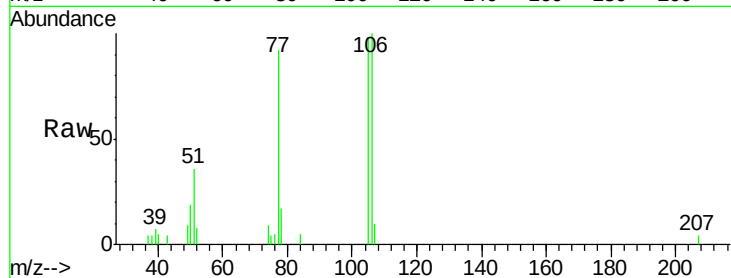
Tgt Ion: 77 Resp: 12093

Ion Ratio Lower Upper

77 100

105 106.5 78.8 118.8

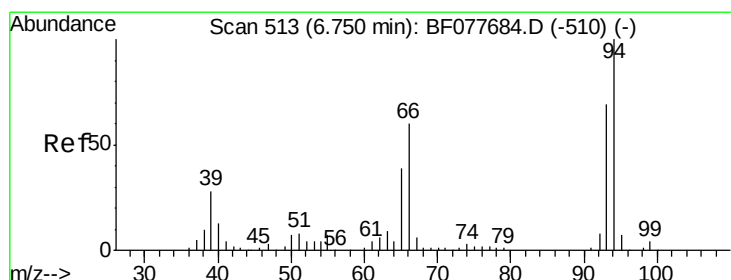
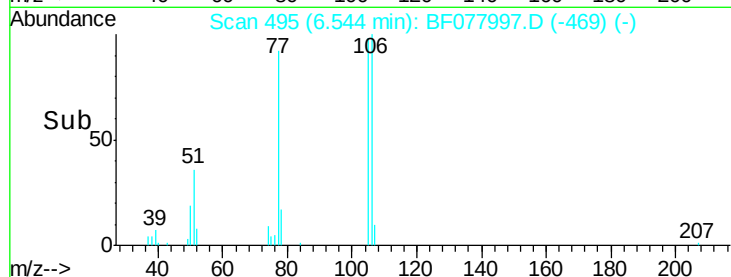
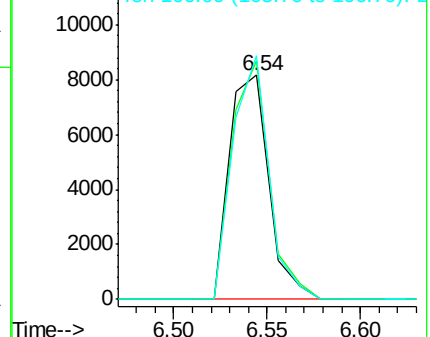
106 108.7 73.7 113.7



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: 7.49 ng

RT: 6.69 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

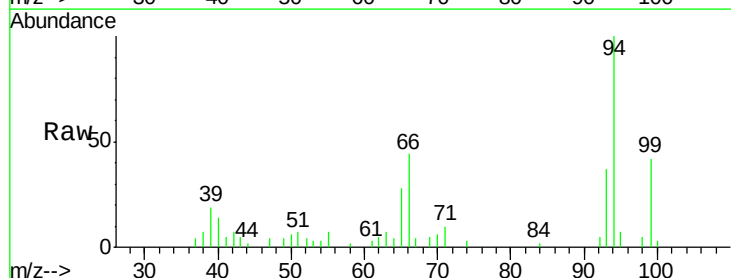
Tgt Ion: 94 Resp: 20760

Ion Ratio Lower Upper

94 100

65 28.1 18.8 58.8

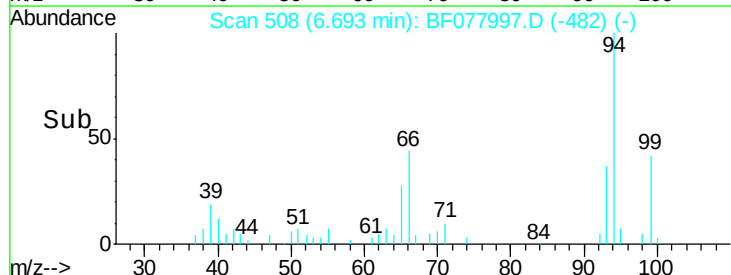
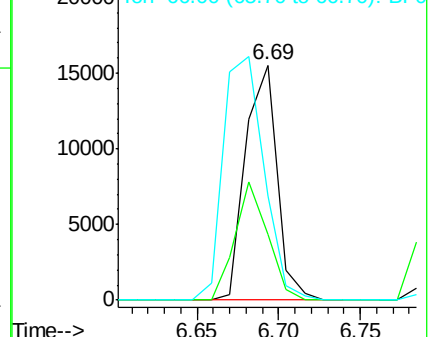
66 44.0 39.9 79.9

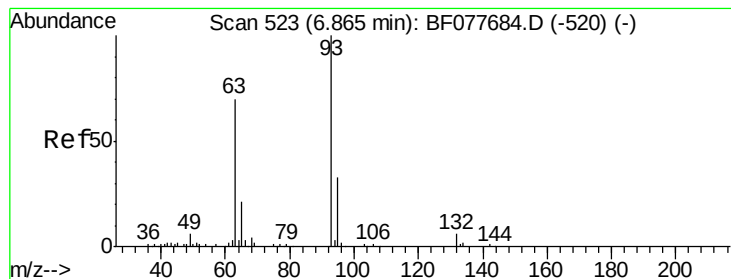


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 7.40 ng

RT: 6.78 min Scan# 516

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

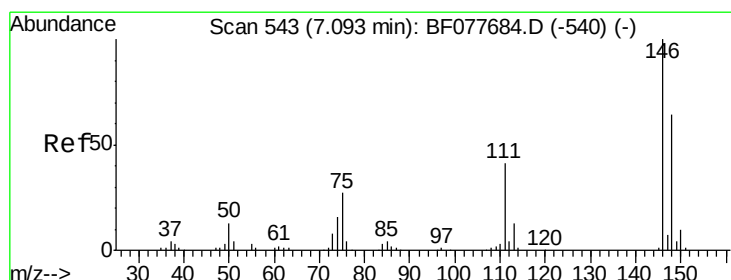
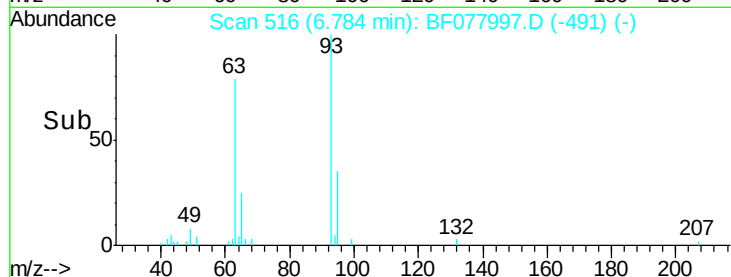
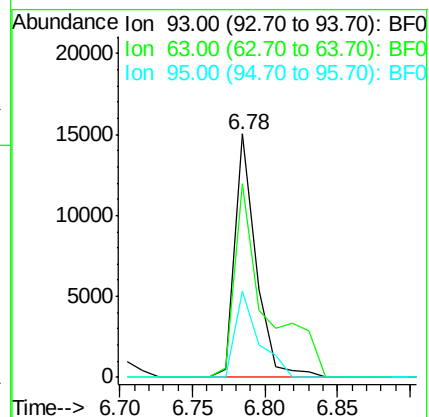
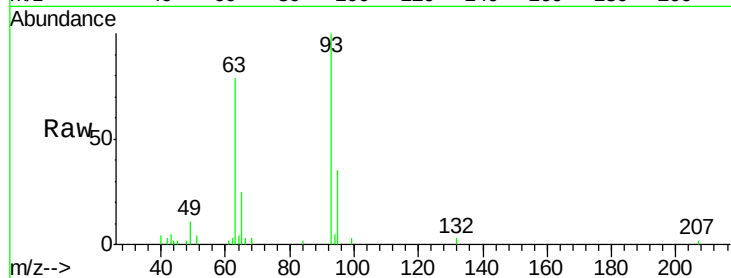
Tgt Ion: 93 Resp: 15356

Ion Ratio Lower Upper

93 100

63 79.3 49.5 89.5

95 35.4 13.5 53.5



#12

1,3-Dichlorobenzene

Concen: 6.83 ng

RT: 7.01 min Scan# 536

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

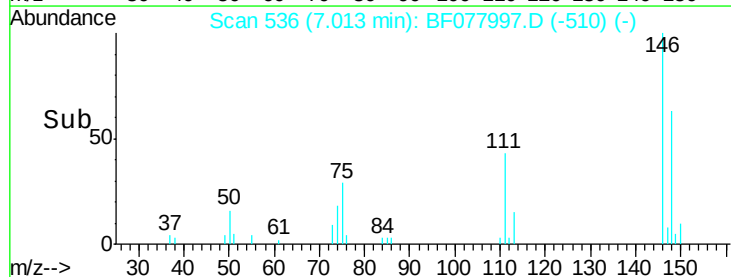
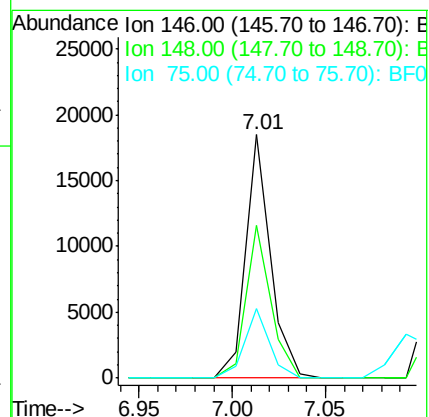
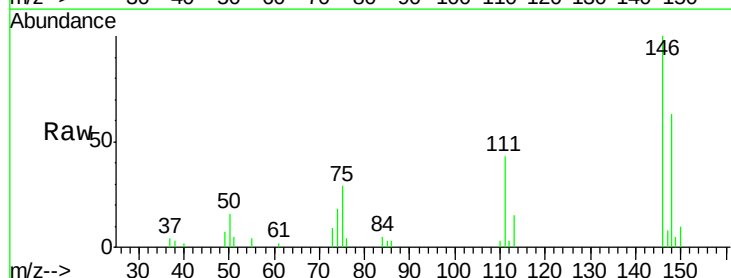
Tgt Ion: 146 Resp: 17148

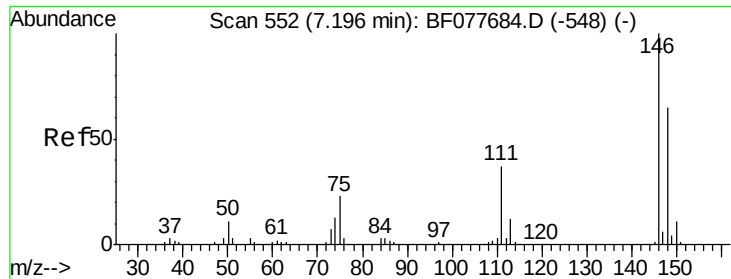
Ion Ratio Lower Upper

146 100

148 62.7 50.9 76.3

75 28.7 21.4 32.2

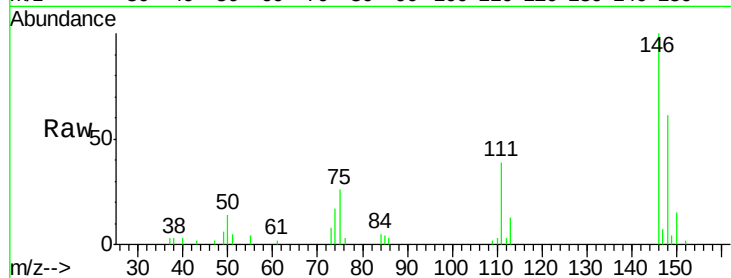




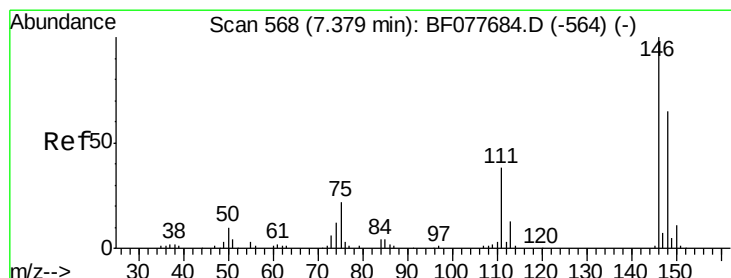
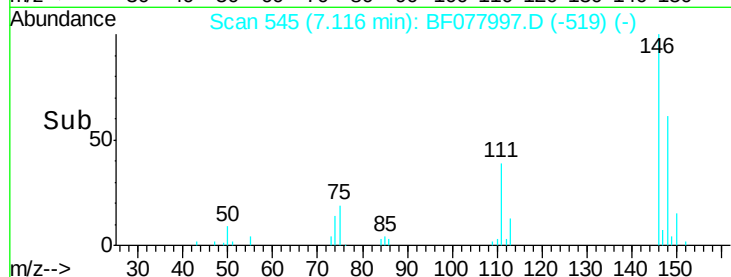
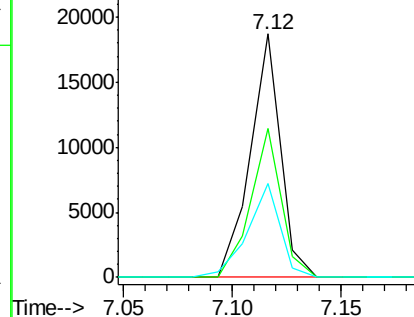
#13
 1,4-Dichlorobenzene
 Concen: 6.88 ng
 RT: 7.12 min Scan# 545
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:146 Resp: 17964
 Ion Ratio Lower Upper
 146 100
 148 61.1 51.9 77.9
 111 38.6 29.2 43.8

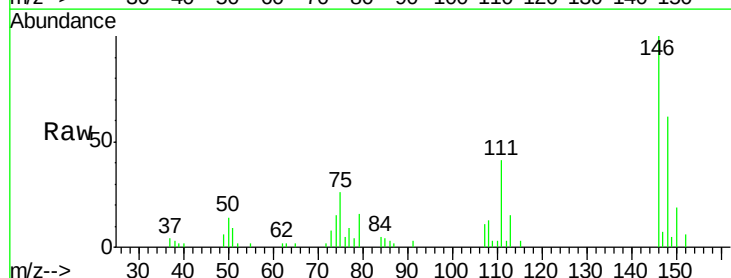


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

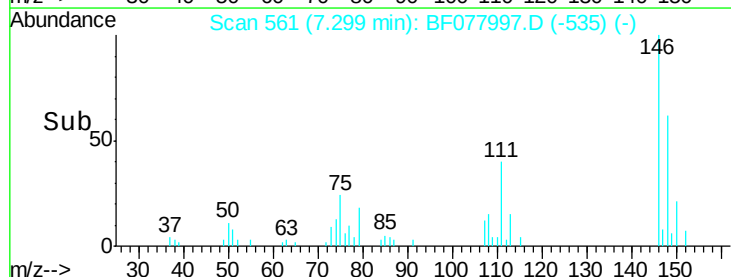
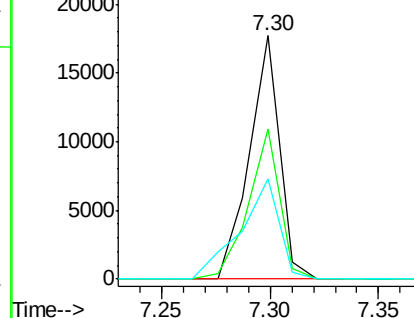


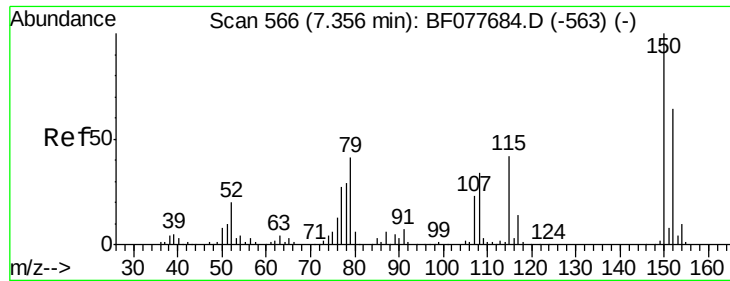
#14
 1,2-Dichlorobenzene
 Concen: 7.12 ng
 RT: 7.30 min Scan# 561
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:146 Resp: 17050
 Ion Ratio Lower Upper
 146 100
 148 61.8 52.3 78.5
 111 41.3 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

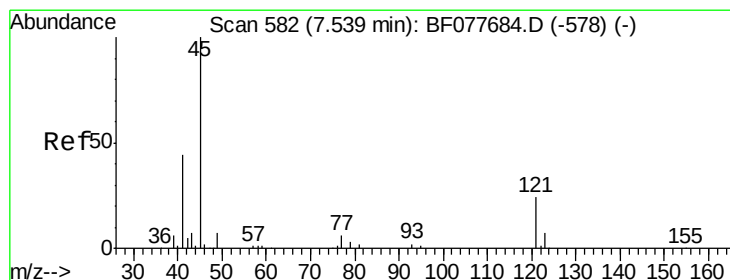
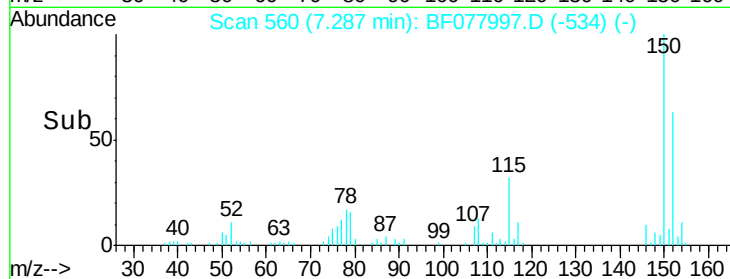
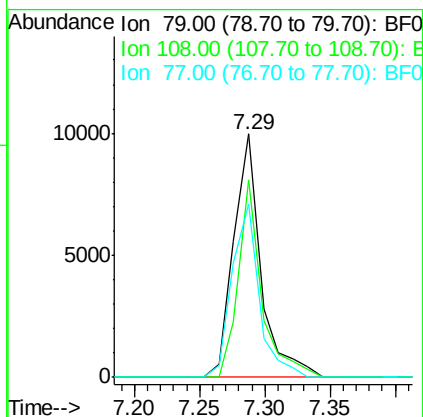
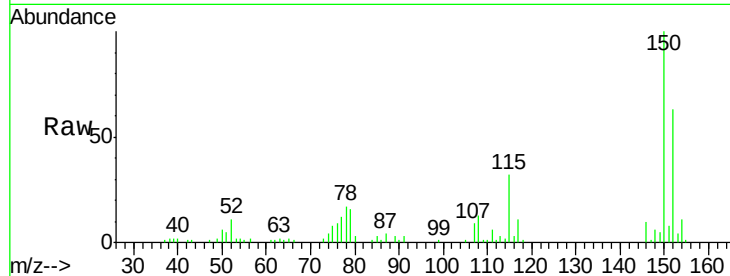




#15
Benzyl Alcohol
Concen: 7.91 ng
RT: 7.29 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

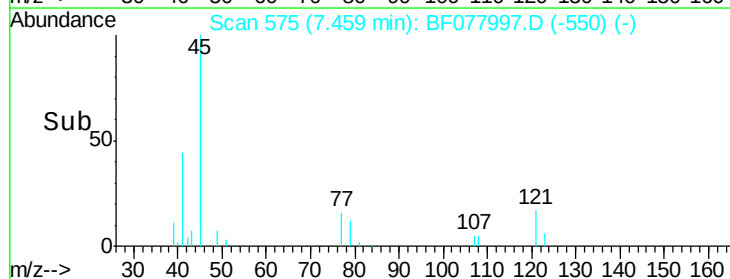
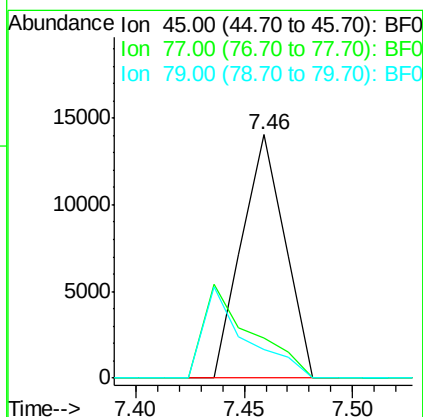
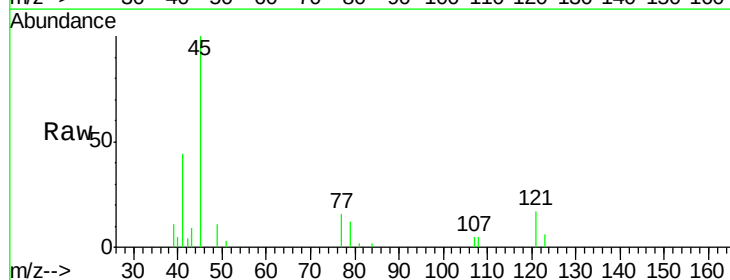
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

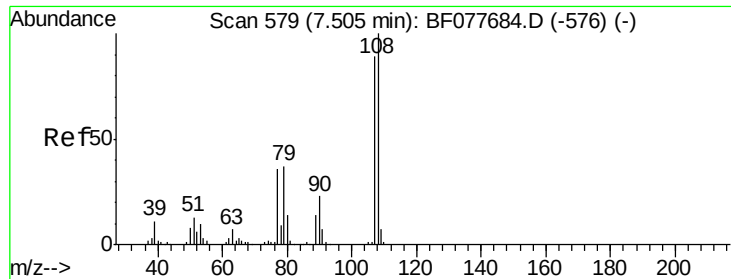
Tgt Ion: 79 Resp: 14476
Ion Ratio Lower Upper
79 100
108 81.0 65.0 97.4
77 71.2 53.0 79.6



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.92 ng
RT: 7.46 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion: 45 Resp: 19365
Ion Ratio Lower Upper
45 100
77 16.2 0.0 35.2
79 11.5 0.0 32.0





#17

2-Methylphenol

Concen: 6.99 ng

RT: 7.44 min Scan# 573

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:107 Resp: 12859

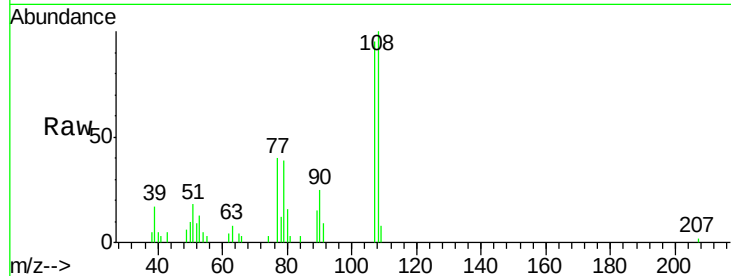
Ion Ratio Lower Upper

107 100

108 105.3 89.8 134.8

77 42.6 32.6 48.8

79 41.2 32.8 49.2

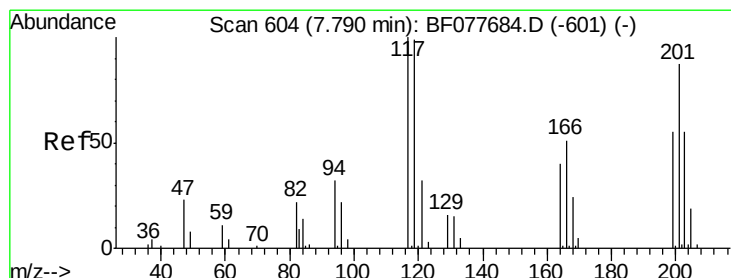
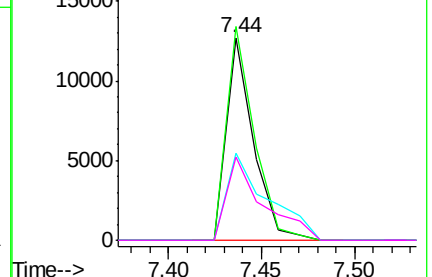
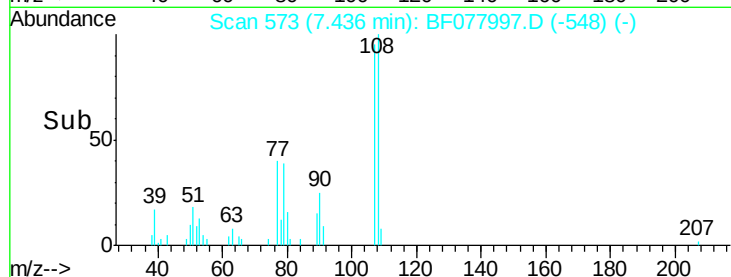


Abundance Ion 107.00 (106.70 to 107.70): E

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: 6.70 ng

RT: 7.71 min Scan# 597

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

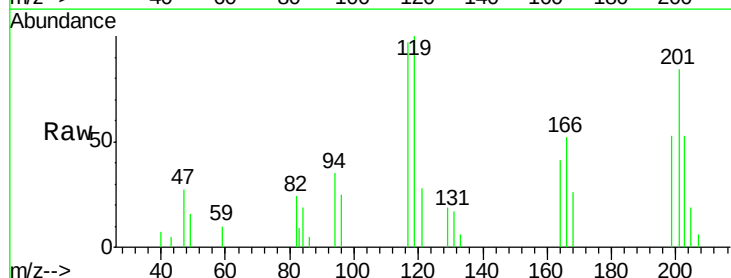
Tgt Ion:117 Resp: 5739

Ion Ratio Lower Upper

117 100

119 102.9 79.2 118.8

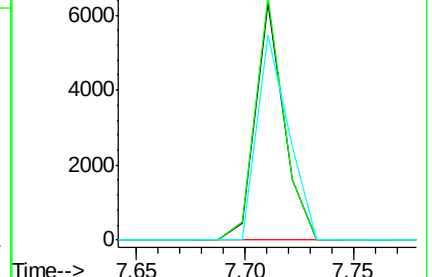
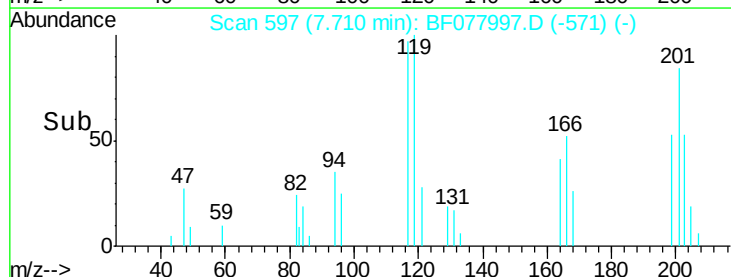
201 86.5 69.8 104.6

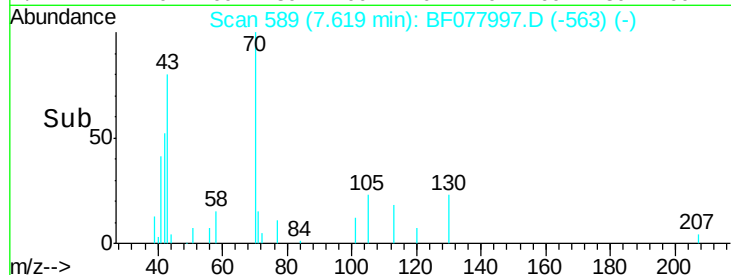
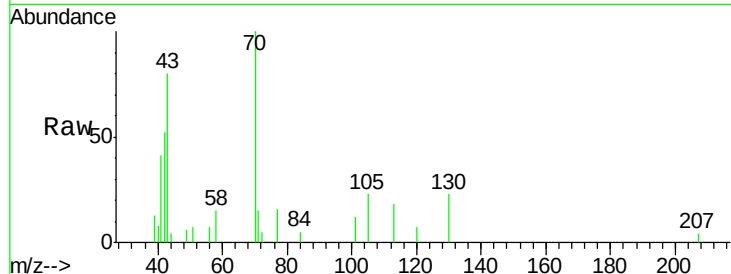
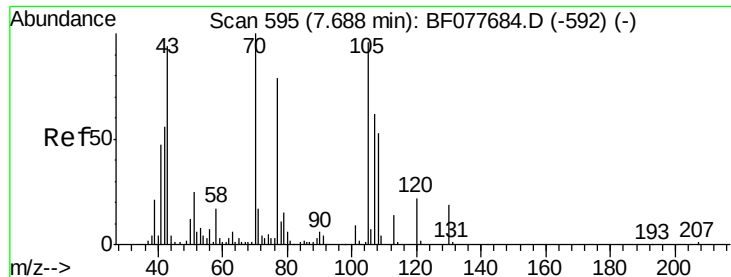


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

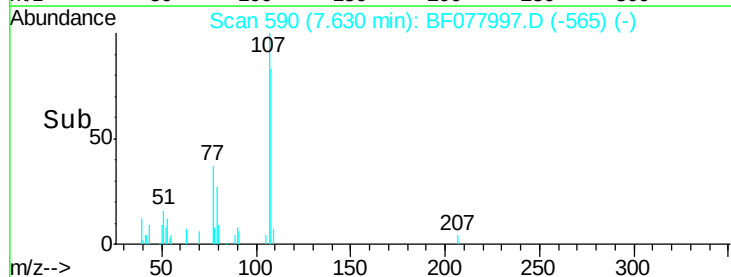
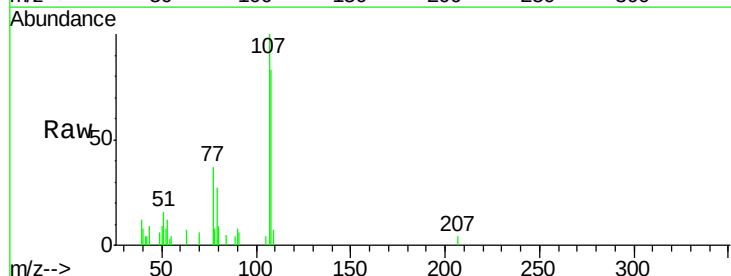
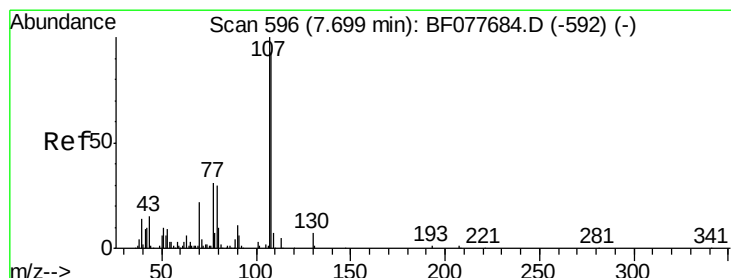
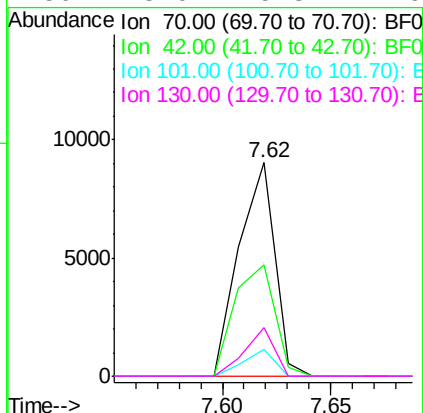




#19
n-Nitroso-di-n-propylamine
Concen: 6.37 ng
RT: 7.62 min Scan# 589
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

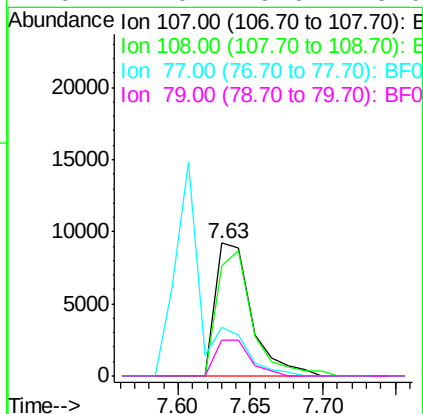
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

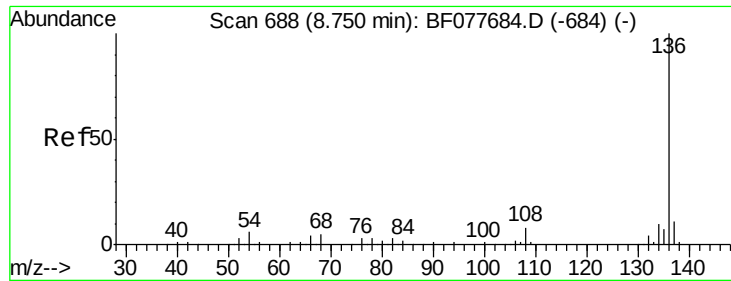
Tgt Ion:	70	Resp:	10340
Ion	Ratio	Lower	Upper
70	100		
42	52.1	44.5	66.7
101	12.5	7.4	11.2#
130	23.0	15.3	22.9#



#20
3+4-Methylphenols
Concen: 6.62 ng
RT: 7.63 min Scan# 590
Delta R.T. -0.01 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion:	107	Resp:	15977
Ion	Ratio	Lower	Upper
107	100		
108	83.0	73.2	113.2
77	37.0	10.7	50.7
79	27.0	9.6	49.6

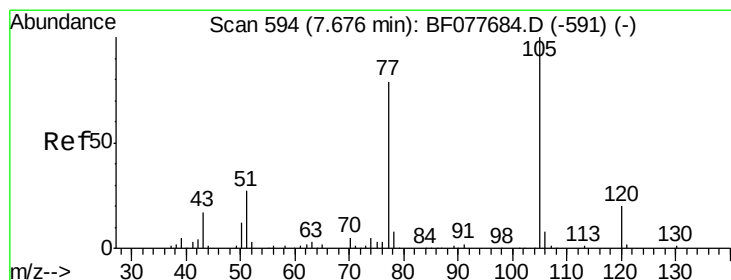
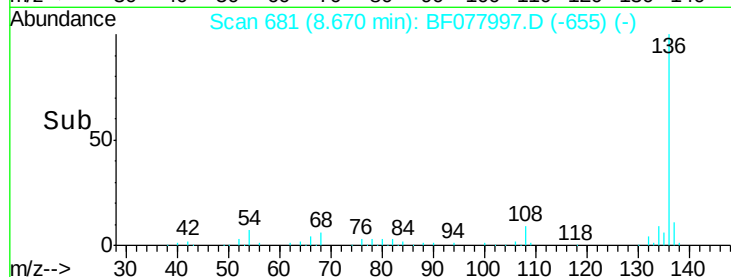
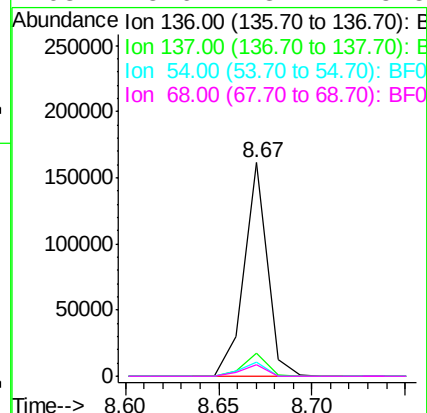
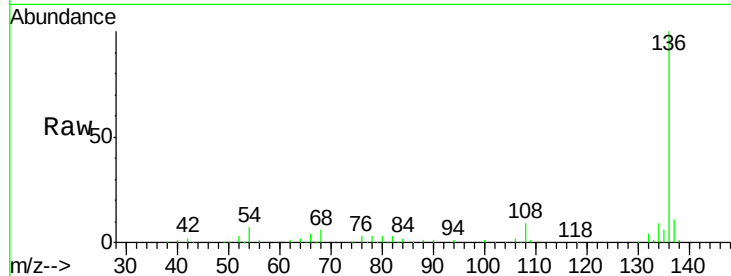




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.67 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

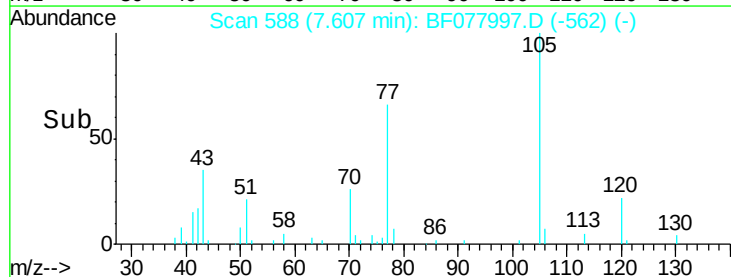
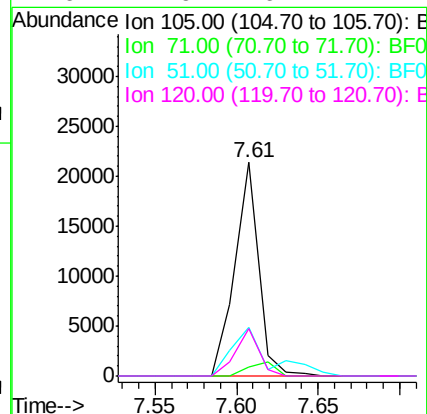
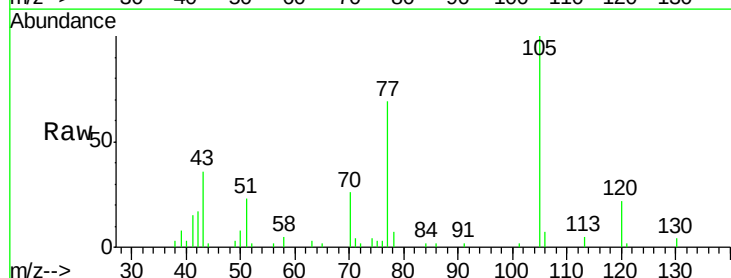
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

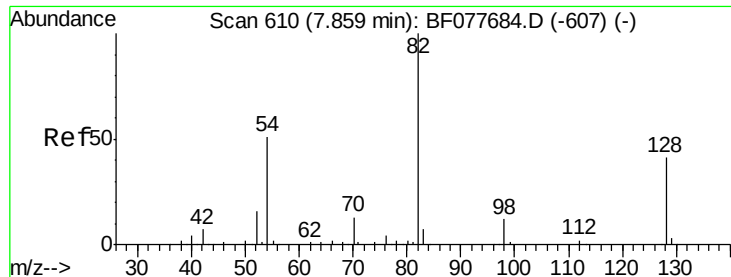
Tgt Ion:	136	Resp:	140198
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.5	4.6	6.8
68	5.6	3.7	5.5#



#22
Acetophenone
Concen: 6.94 ng
RT: 7.61 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion:	105	Resp:	21538
Ion	Ratio	Lower	Upper
105	100		
71	4.2	0.6	1.0#
51	23.0	21.6	32.4
120	21.9	16.1	24.1

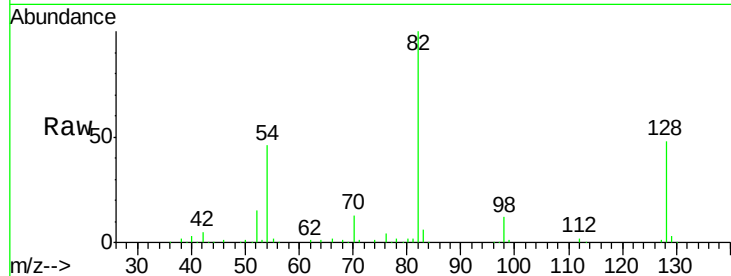




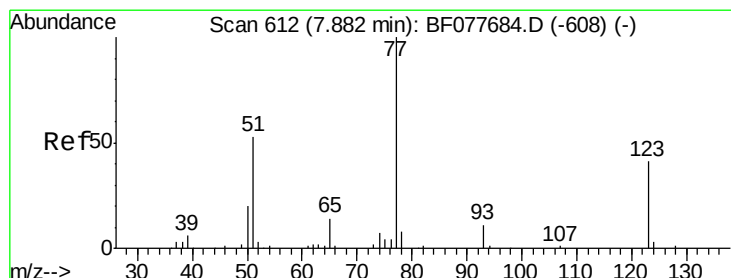
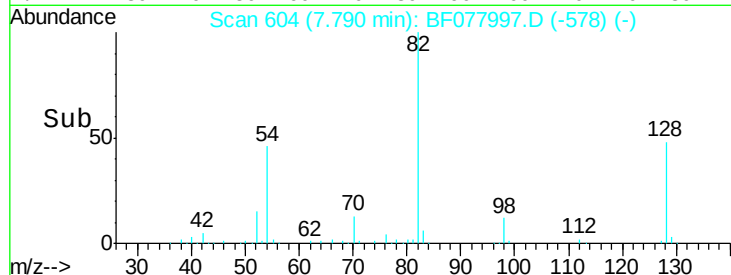
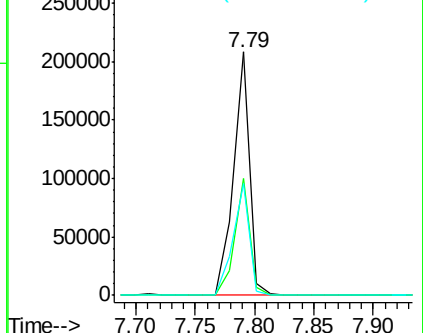
#23
 Nitrobenzene-d5
 Concen: 91.09 ng
 RT: 7.79 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 82 Resp: 194814
 Ion Ratio Lower Upper
 82 100
 128 47.9 32.8 49.2
 54 46.1 40.6 60.8

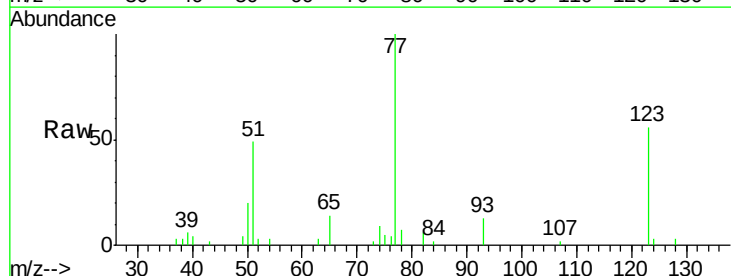


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

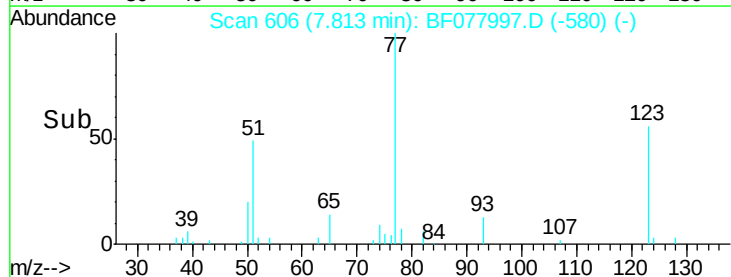
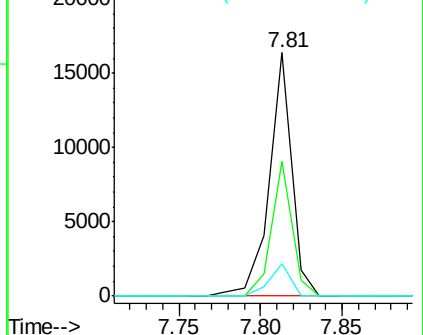


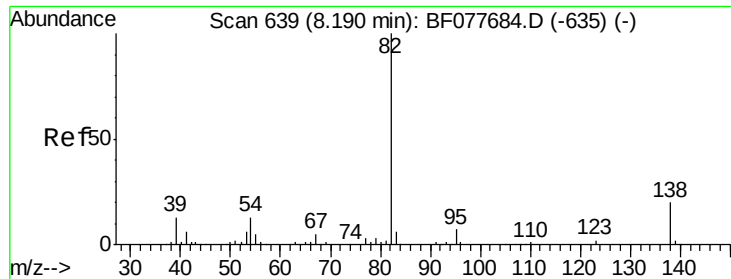
#24
 Nitrobenzene
 Concen: 6.88 ng
 RT: 7.81 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion: 77 Resp: 15846
 Ion Ratio Lower Upper
 77 100
 123 55.5 32.6 49.0#
 65 13.5 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 6.66 ng

RT: 8.11 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

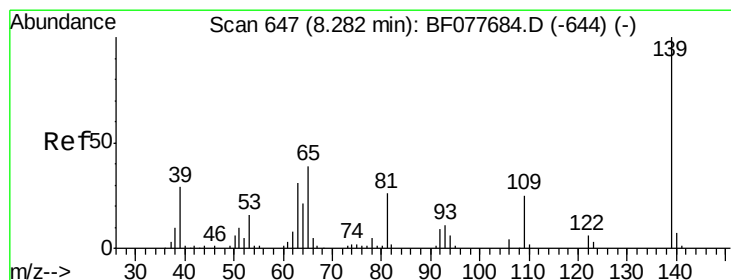
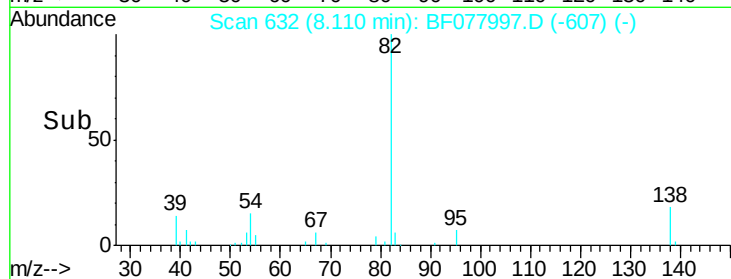
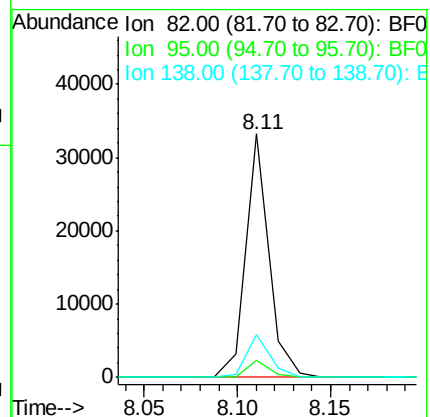
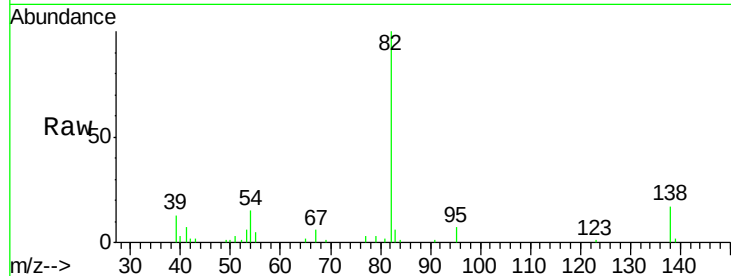
Tgt Ion: 82 Resp: 28765

Ion Ratio Lower Upper

82 100

95 7.1 5.8 8.6

138 17.4 16.3 24.5



#26

2-Nitrophenol

Concen: 5.69 ng

RT: 8.21 min Scan# 641

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

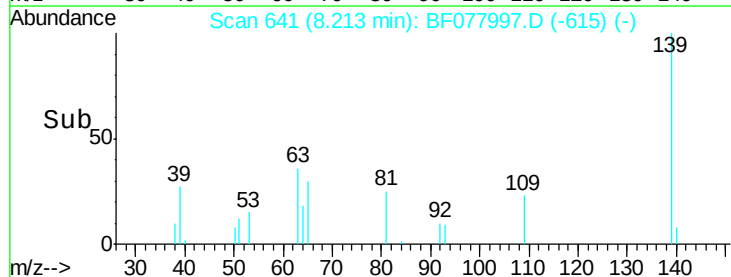
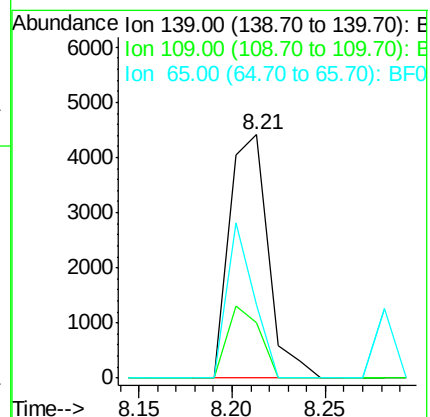
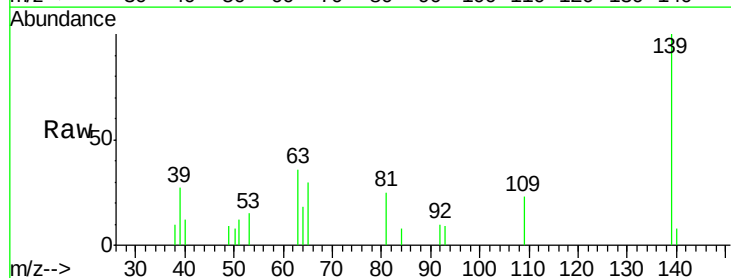
Tgt Ion: 139 Resp: 6422

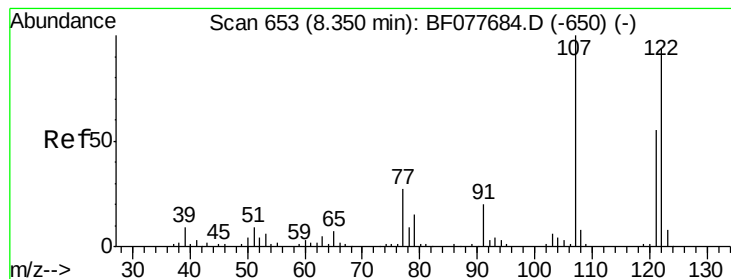
Ion Ratio Lower Upper

139 100

109 22.8 20.1 30.1

65 30.0 31.5 47.3#

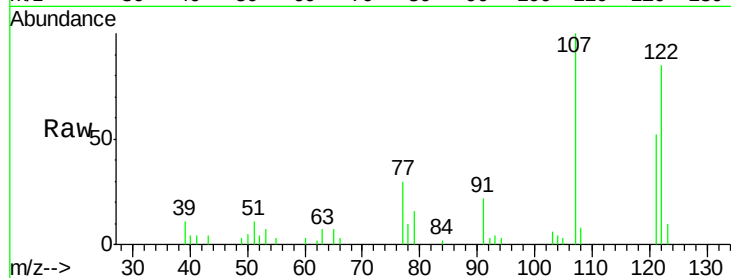




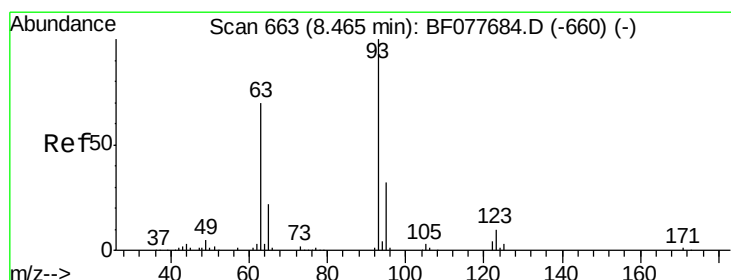
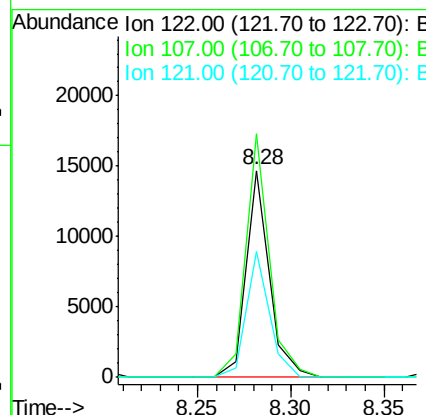
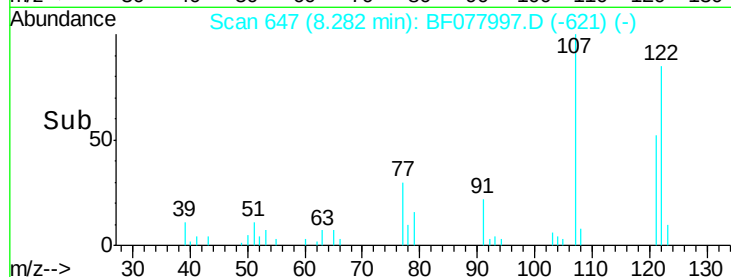
#27
 2,4-Dimethylphenol
 Concen: 6.19 ng
 RT: 8.28 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 122 Resp: 12719
 Ion Ratio Lower Upper
 122 100
 107 117.8 84.7 127.1
 121 60.8 46.6 69.8

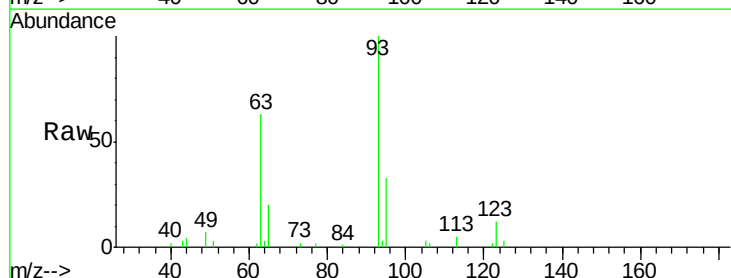


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

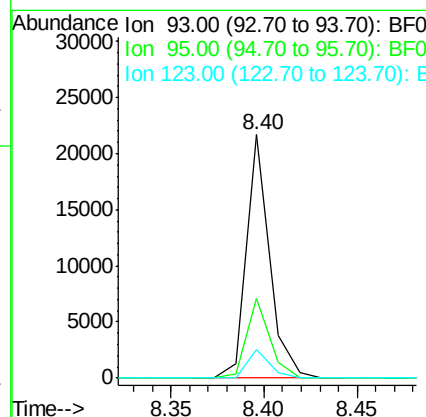
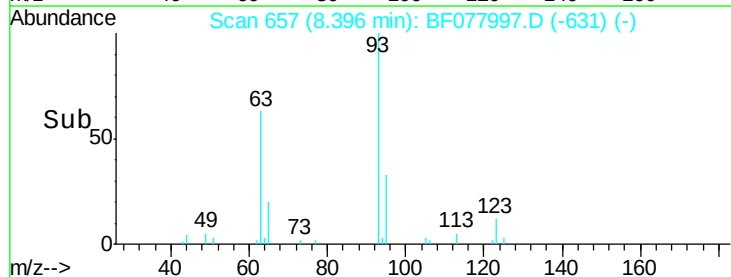


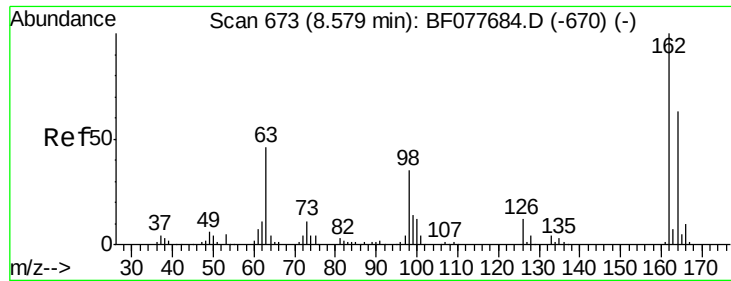
#28
 bis(2-Chloroethoxy)methane
 Concen: 7.13 ng
 RT: 8.40 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion: 93 Resp: 18681
 Ion Ratio Lower Upper
 93 100
 95 32.8 25.5 38.3
 123 11.7 8.6 13.0



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E

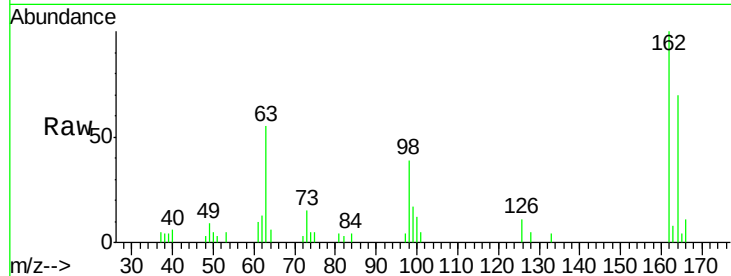




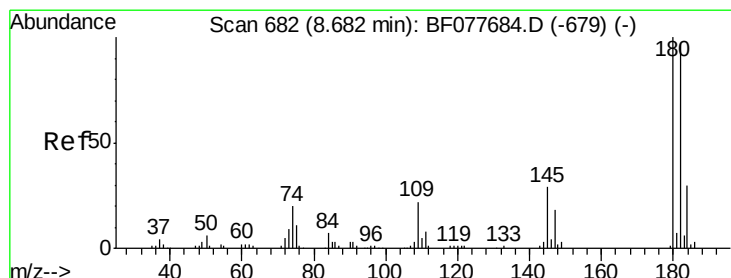
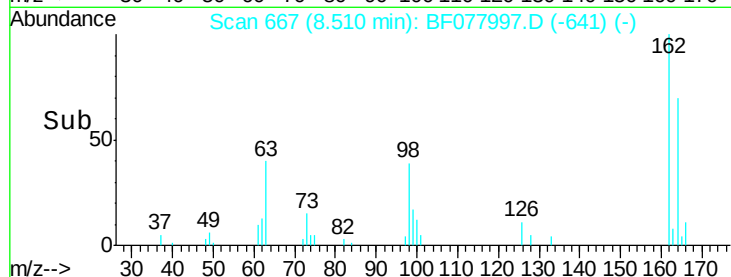
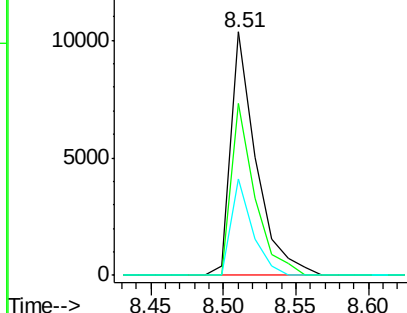
#29
 2,4-Dichlorophenol
 Concen: 6.43 ng
 RT: 8.51 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
162	100		
164	70.4	42.8	82.8
98	39.4	14.5	54.5

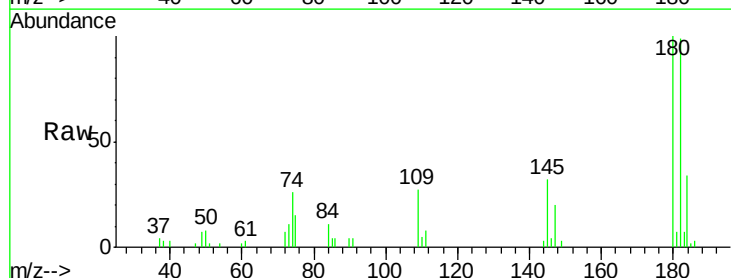


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

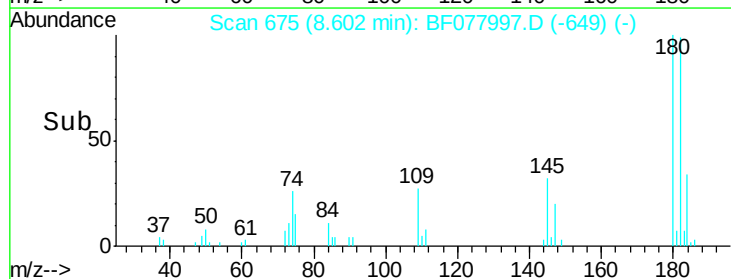
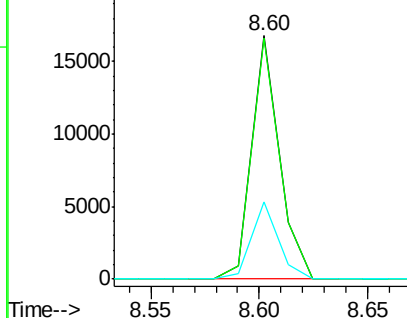


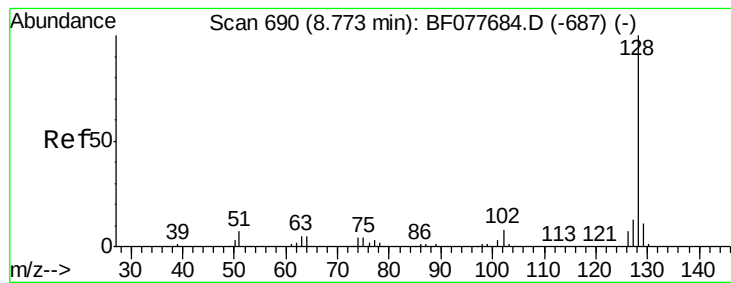
#30
 1,2,4-Trichlorobenzene
 Concen: 6.77 ng
 RT: 8.60 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	77.6	116.4
145	31.7	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: 6.87 ng

RT: 8.69 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

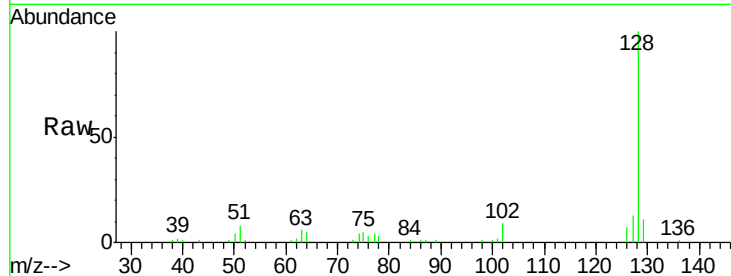
Tgt Ion:128 Resp: 49479

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

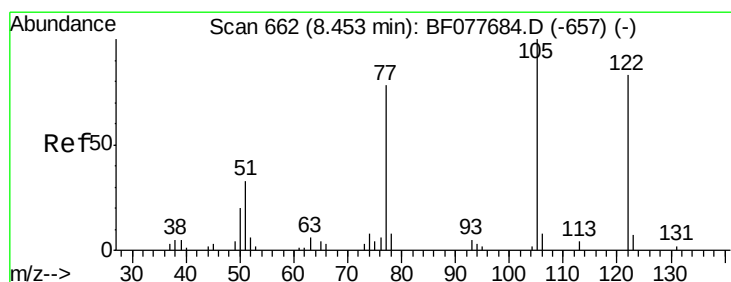
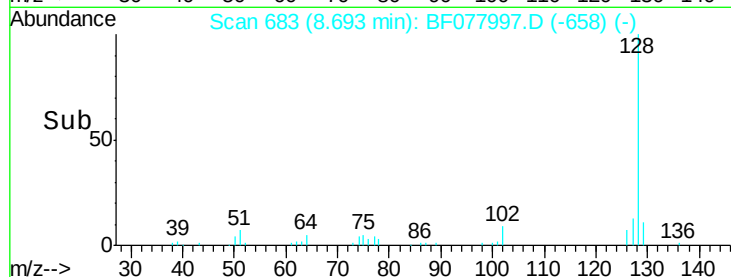
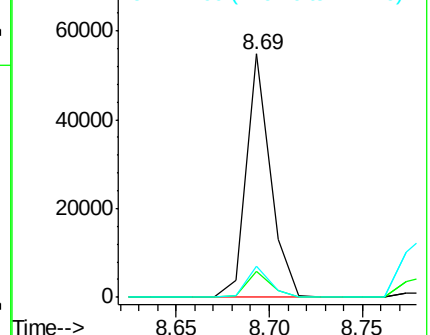
127 12.8 10.4 15.6



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: 4.11 ng

RT: 8.38 min Scan# 656

Delta R.T. -0.02 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

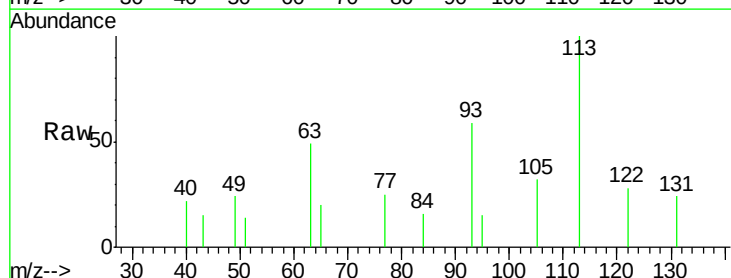
Tgt Ion:122 Resp: 1247

Ion Ratio Lower Upper

122 100

105 115.8 99.9 139.9

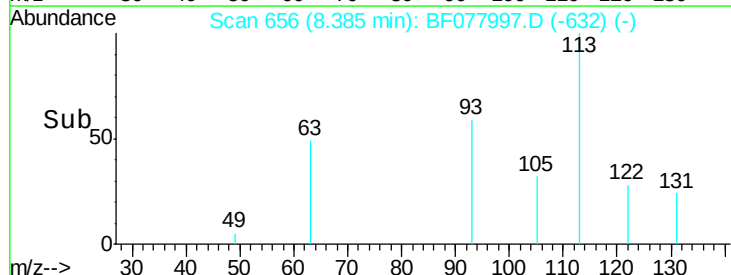
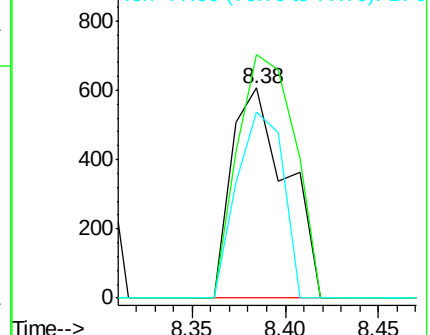
77 88.5 73.7 113.7

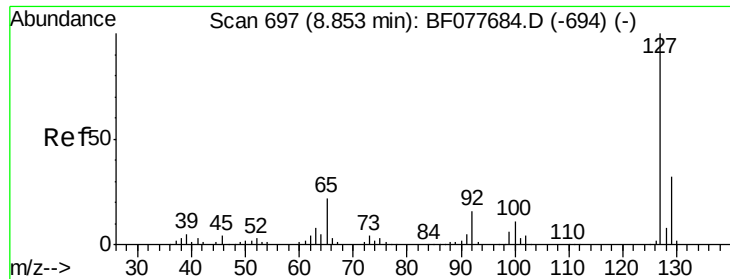


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

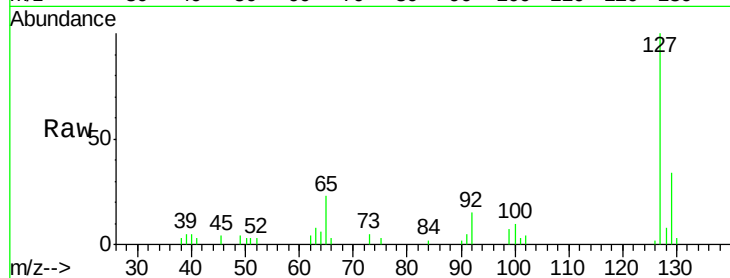




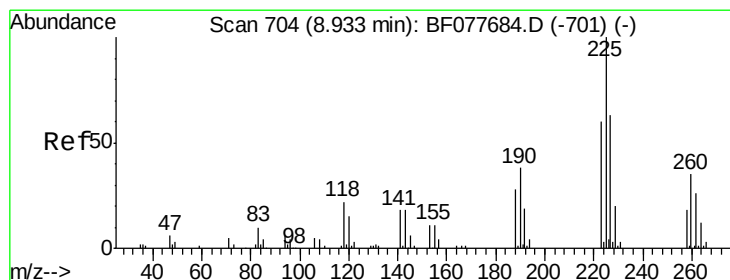
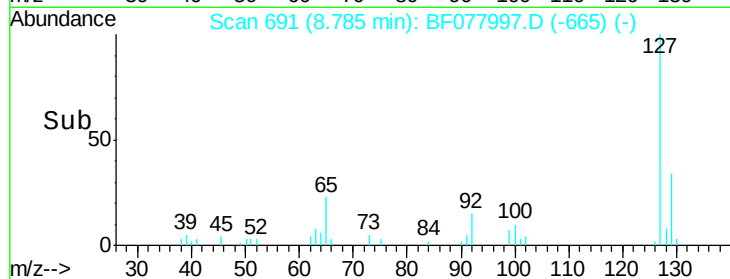
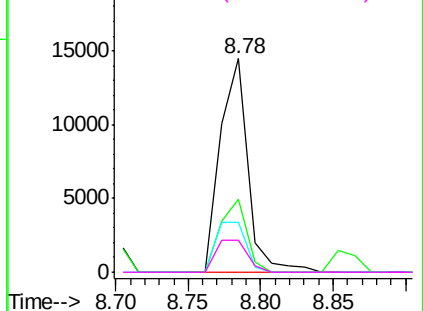
#33
4-Chloroaniline
Concen: 6.57 ng
RT: 8.78 min Scan# 691
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:	127	Resp:	19187
Ion	Ratio	Lower	Upper
127	100		
129	34.3	25.3	37.9
65	23.2	17.6	26.4
92	14.9	13.1	19.7

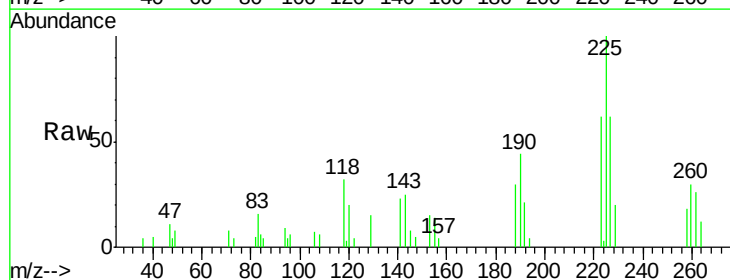


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

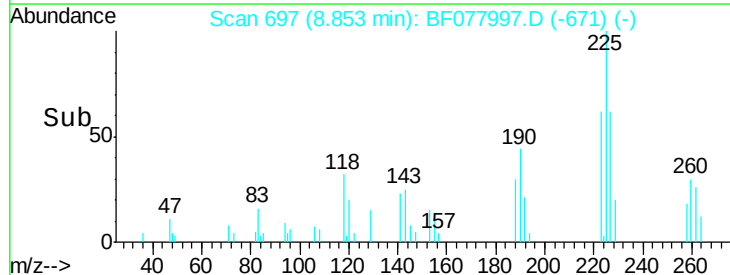
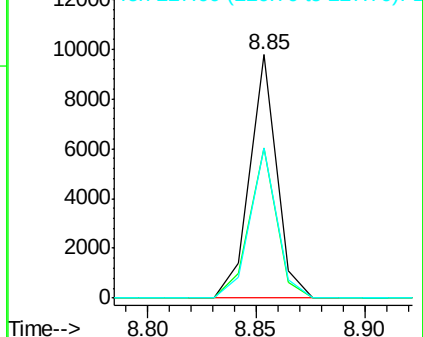


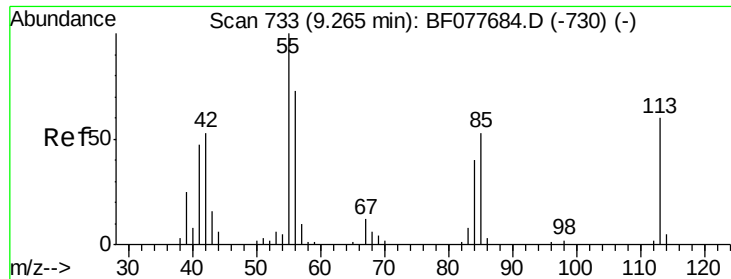
#34
Hexachlorobutadiene
Concen: 6.77 ng
RT: 8.85 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion:	225	Resp:	8416
Ion	Ratio	Lower	Upper
225	100		
223	61.7	47.9	71.9
227	61.5	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

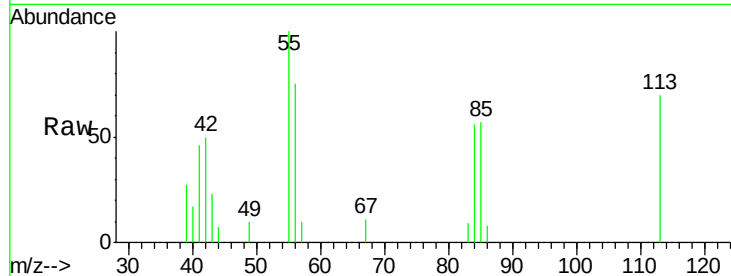




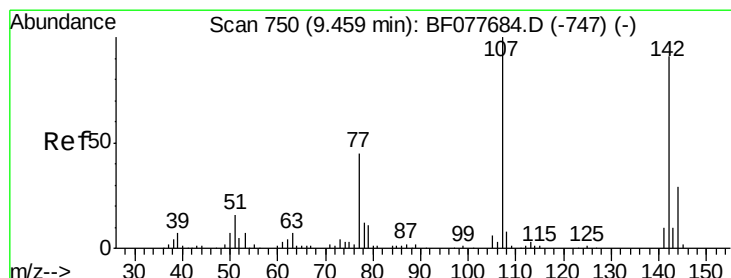
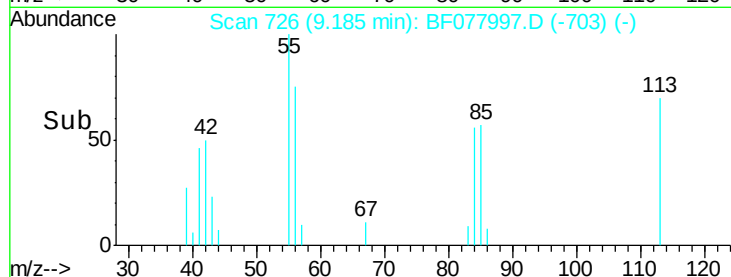
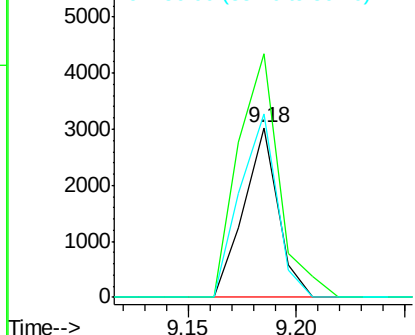
#35
 Caprolactam
 Concen: 5.80 ng
 RT: 9.18 min Scan# 726
 Delta R.T. -0.03 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:113 Resp: 3321
 Ion Ratio Lower Upper
 113 100
 55 143.4 145.9 185.9#
 56 107.7 101.0 141.0

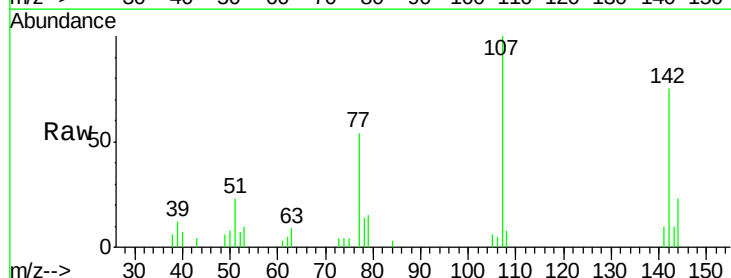


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

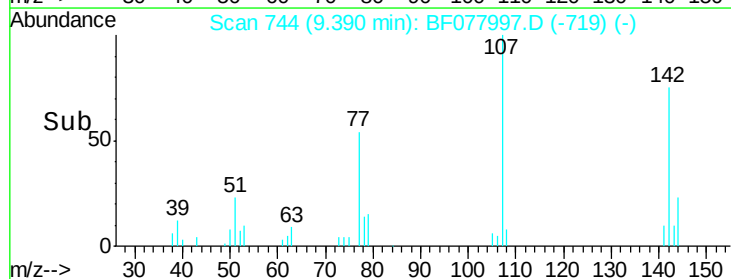
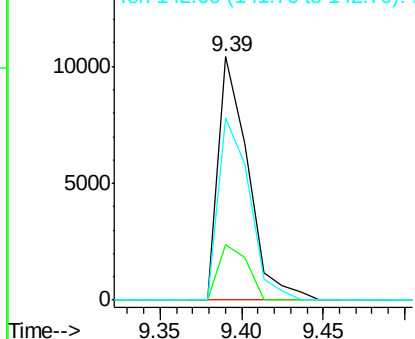


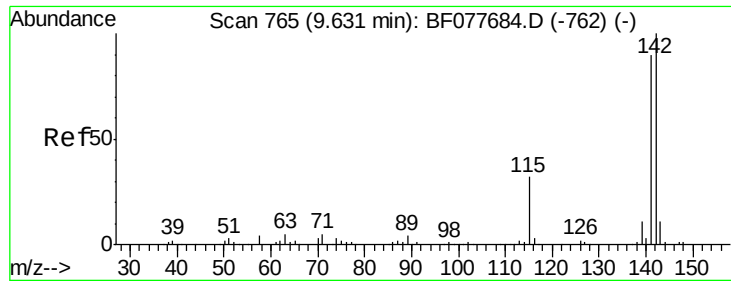
#36
 4-Chloro-3-methylphenol
 Concen: 6.70 ng
 RT: 9.39 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:107 Resp: 13214
 Ion Ratio Lower Upper
 107 100
 144 22.7 23.3 34.9#
 142 74.9 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

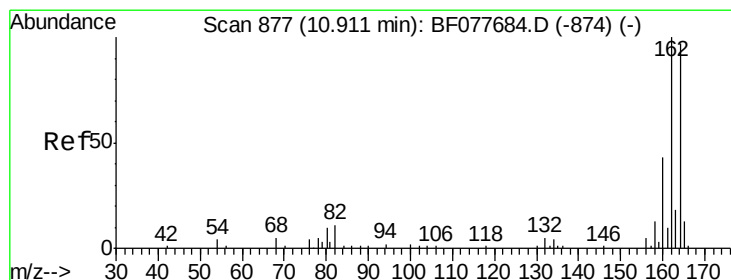
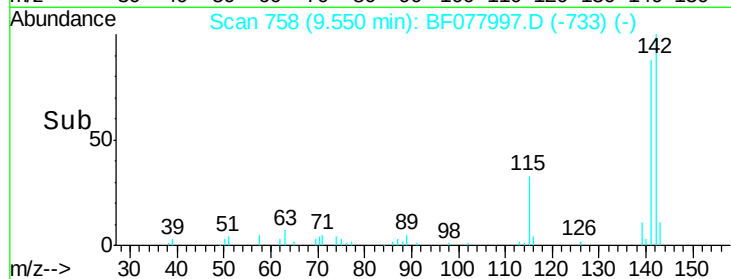
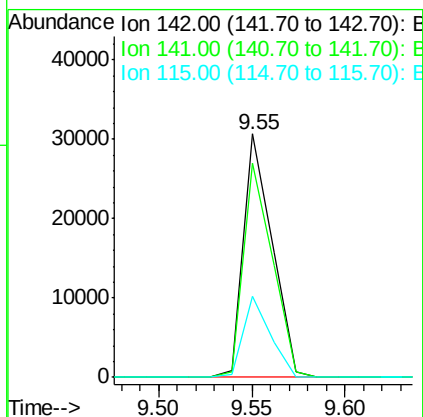
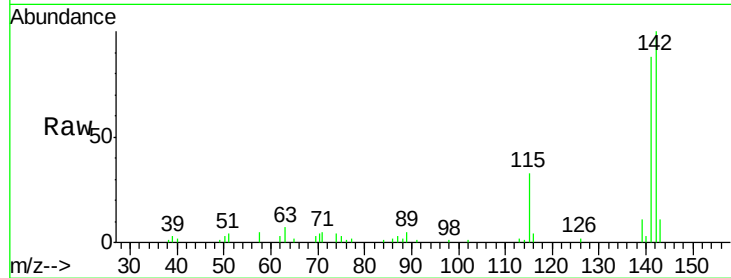




#37
 2-Methylnaphthalene
 Concen: 6.81 ng
 RT: 9.55 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

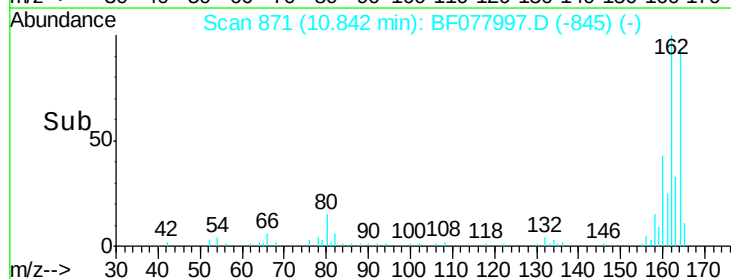
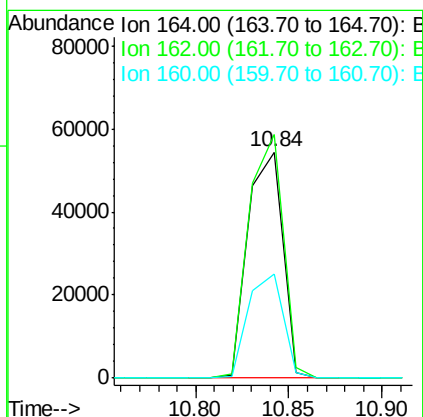
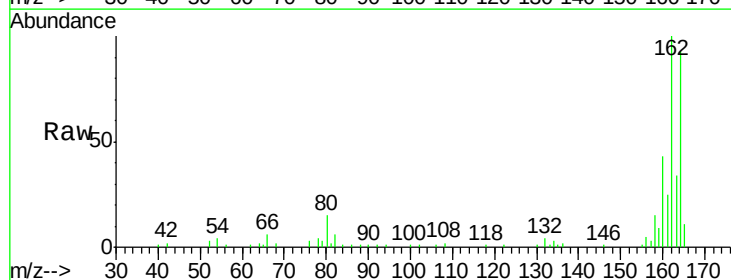
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

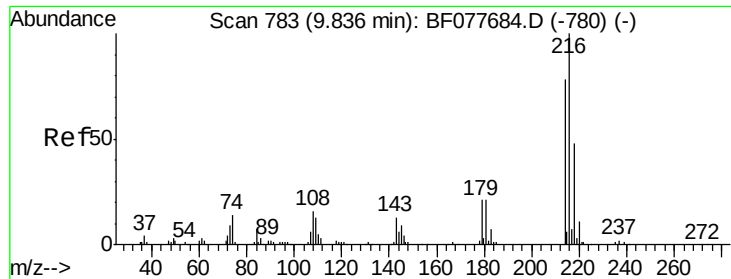
Tgt Ion:142 Resp: 32951
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.9 107.9
 115 33.2 25.4 38.0



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.84 min Scan# 871
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:164 Resp: 70494
 Ion Ratio Lower Upper
 164 100
 162 107.7 82.4 123.6
 160 45.9 35.8 53.6

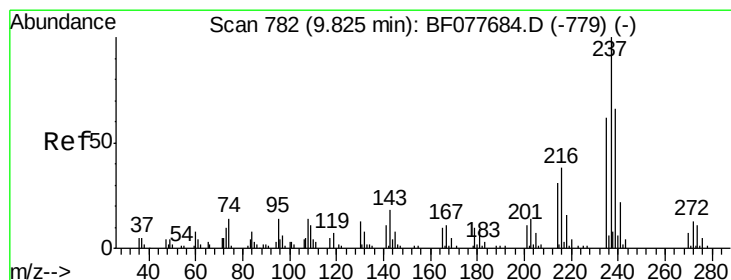
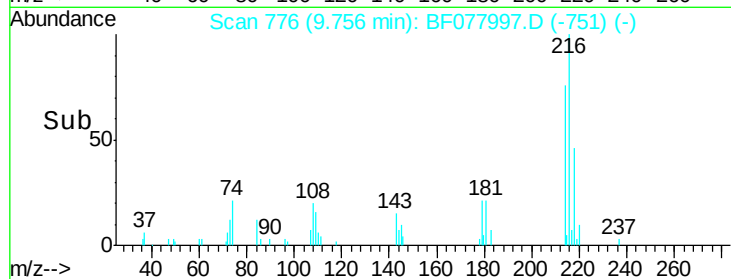
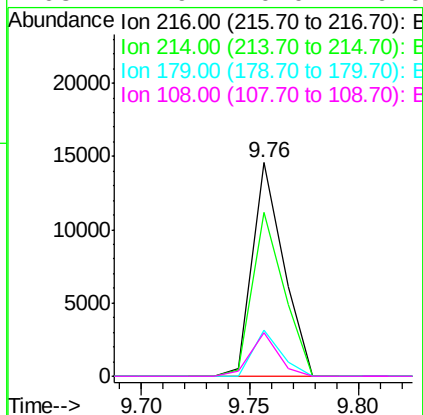
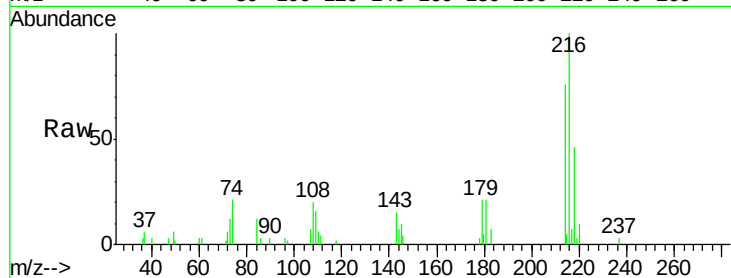




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 6.93 ng
 RT: 9.76 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

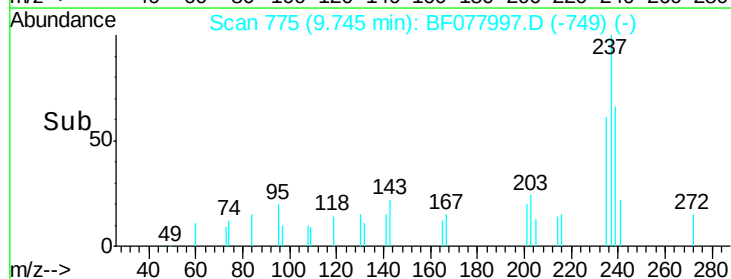
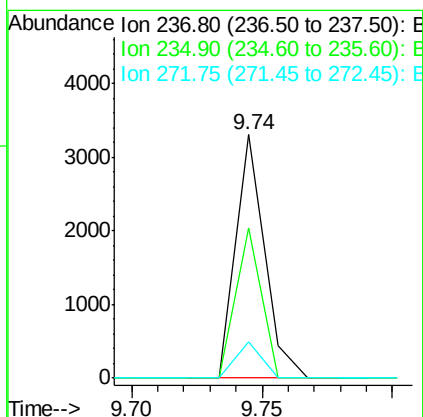
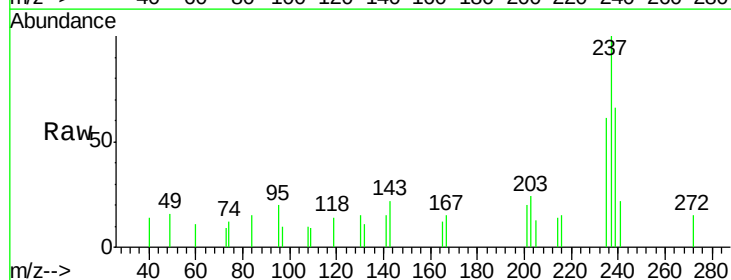
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

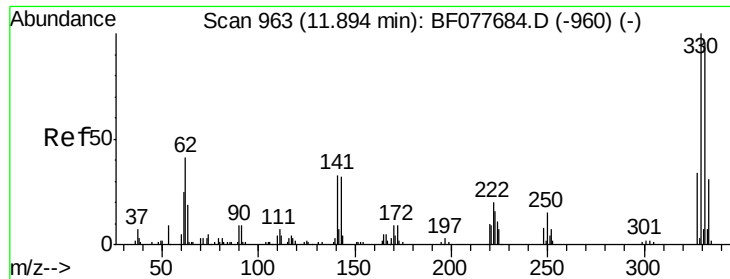
Tgt Ion:	216	Resp:	14561
Ion	Ratio	Lower	Upper
216	100		
214	77.9	0.0	0.0#
179	19.2	0.0	0.0#
108	17.9	0.0	0.0#



#40
 Hexachlorocyclopentadiene
 Concen: 5.51 ng
 RT: 9.74 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:	237	Resp:	2572
Ion	Ratio	Lower	Upper
237	100		
235	61.4	42.0	82.0
272	14.7	0.0	33.4

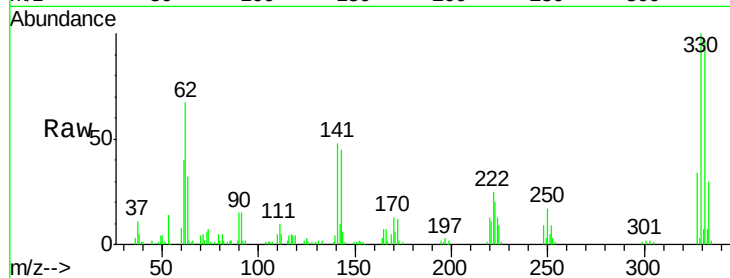




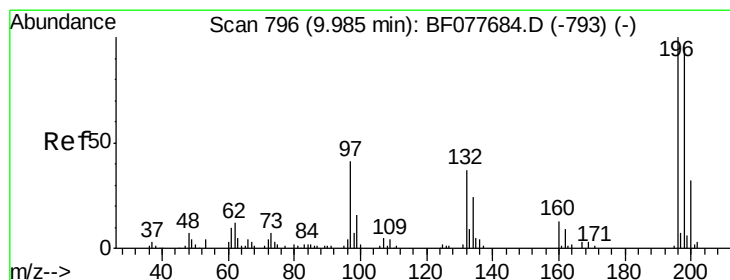
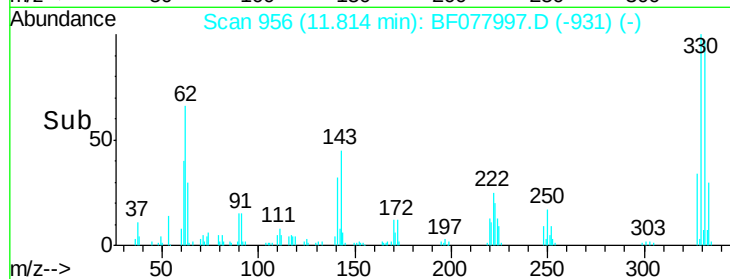
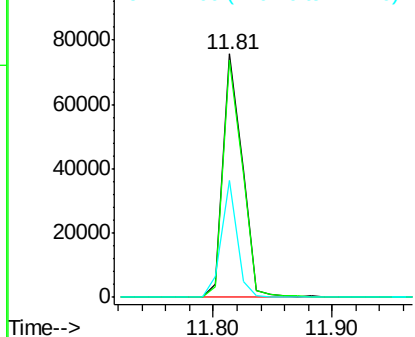
#41
 2,4,6-Tribromophenol
 Concen: 125.23 ng
 RT: 11.81 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:330 Resp: 84463
 Ion Ratio Lower Upper
 330 100
 332 97.1 0.0 0.0#
 141 39.5 0.0 0.0#

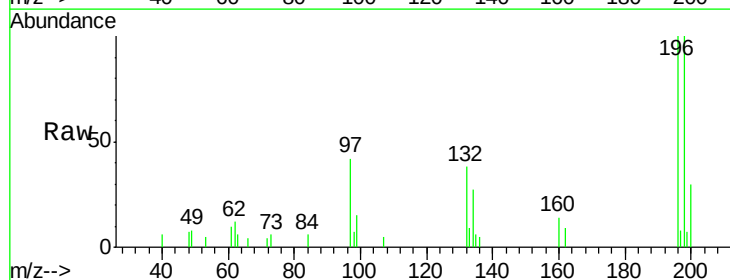


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

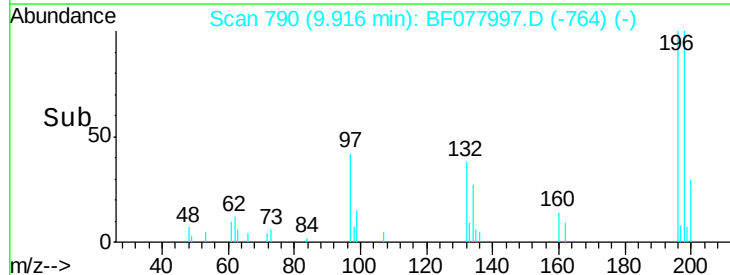
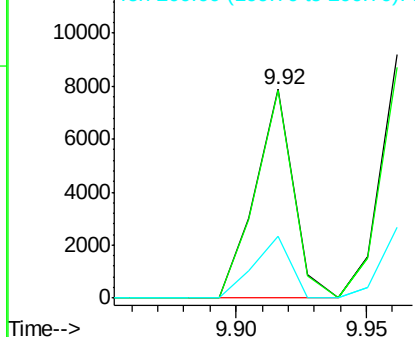


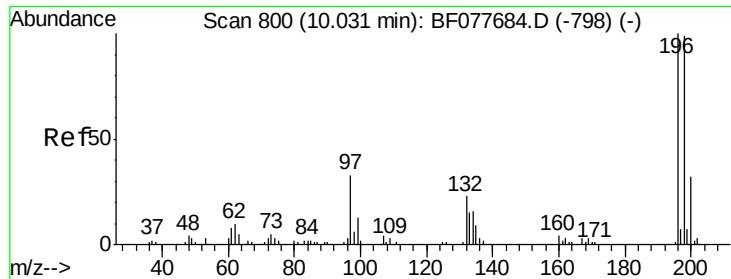
#42
 2,4,6-Trichlorophenol
 Concen: 5.56 ng
 RT: 9.92 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:196 Resp: 8099
 Ion Ratio Lower Upper
 196 100
 198 99.6 76.3 114.5
 200 29.9 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

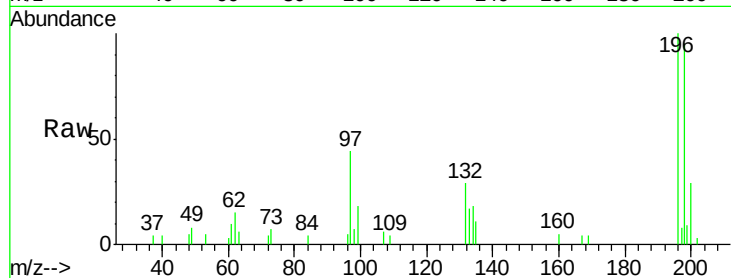




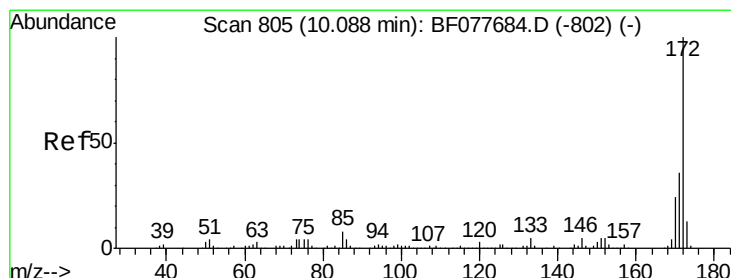
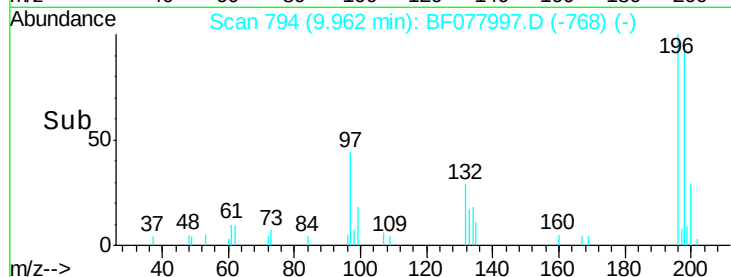
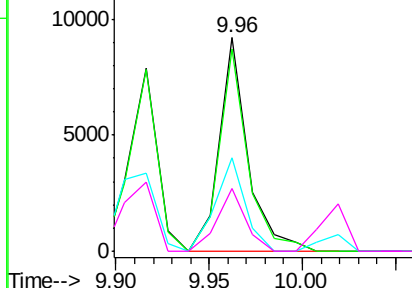
#43
 2,4,5-Trichlorophenol
 Concen: 6.28 ng
 RT: 9.96 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:196 Resp: 9888
 Ion Ratio Lower Upper
 196 100
 198 95.0 79.4 119.0
 97 43.8 26.8 40.2#
 132 29.5 18.6 28.0#

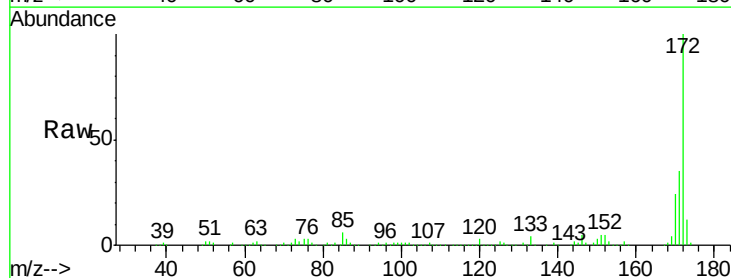


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

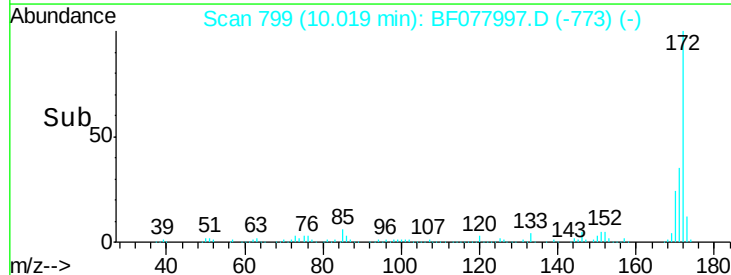
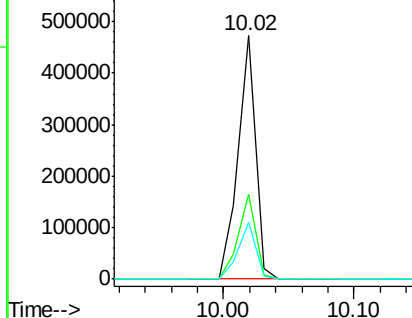


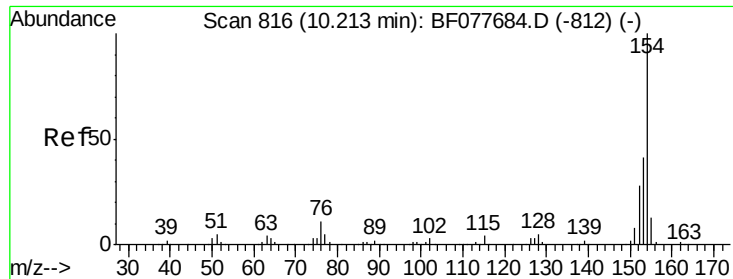
#44
 2-Fluorobiphenyl
 Concen: 91.55 ng
 RT: 10.02 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:172 Resp: 439124
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.5 42.7
 170 23.5 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

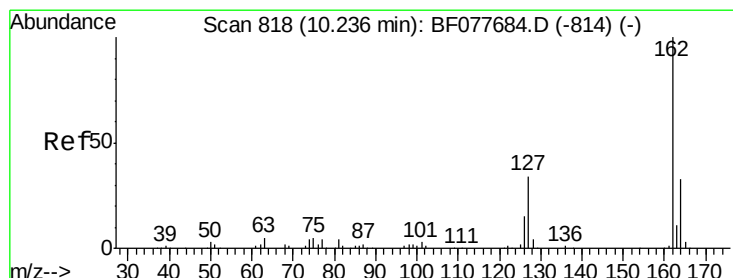
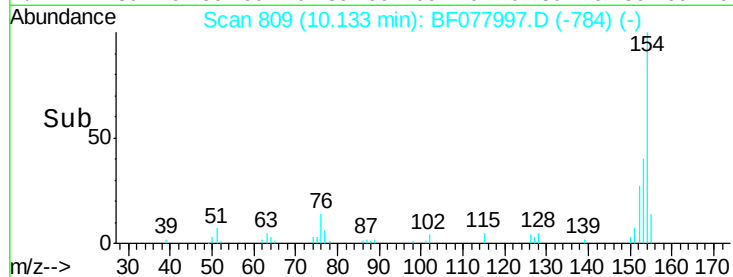
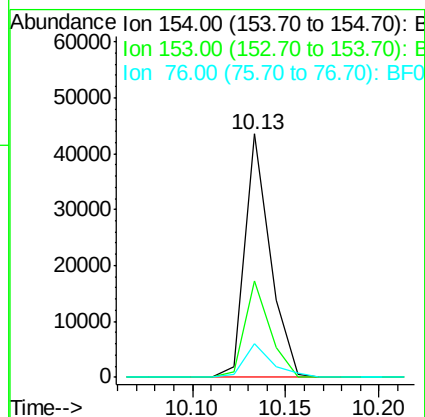
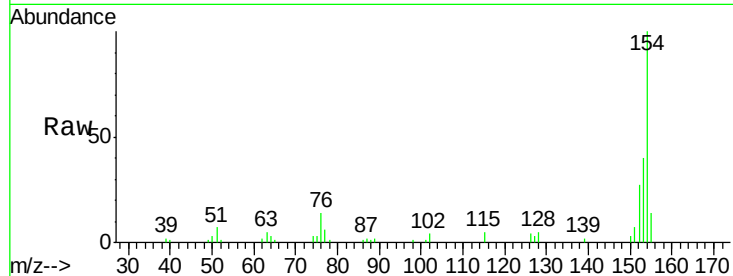




#45
1,1'-Biphenyl
Concen: 7.24 ng
RT: 10.13 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

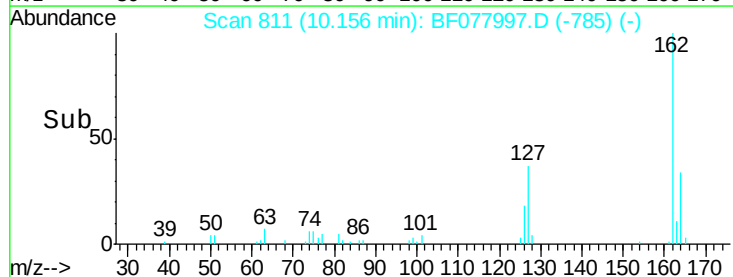
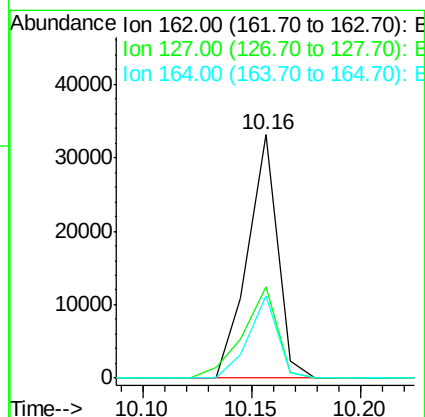
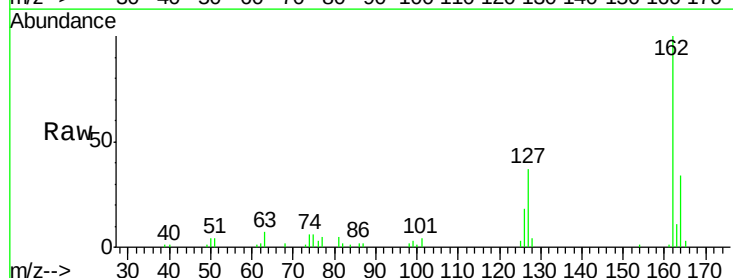
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

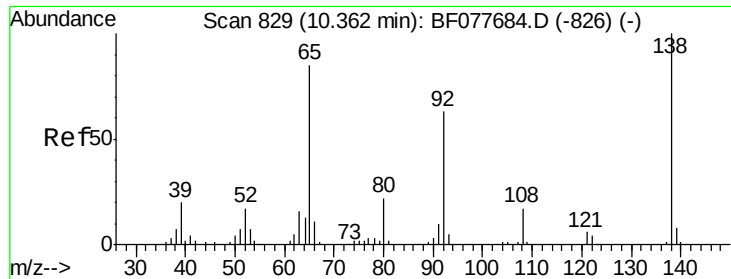
Tgt Ion:154 Resp: 40794
Ion Ratio Lower Upper
154 100
153 39.6 20.7 60.7
76 13.7 0.0 30.9



#46
2-Chloronaphthalene
Concen: 6.95 ng
RT: 10.16 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion:162 Resp: 31849
Ion Ratio Lower Upper
162 100
127 37.4 26.9 40.3
164 33.9 26.8 40.2

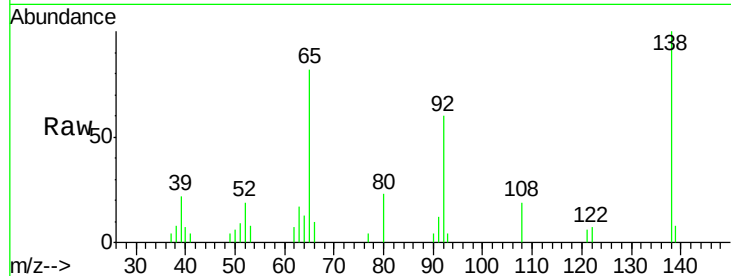




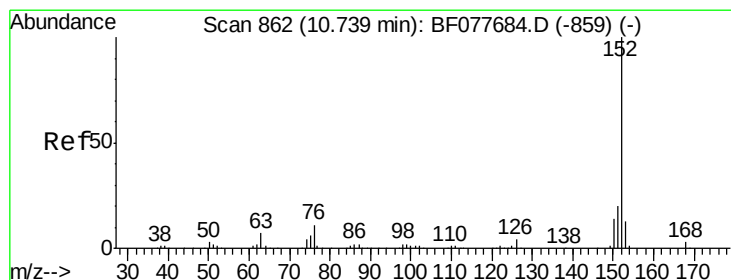
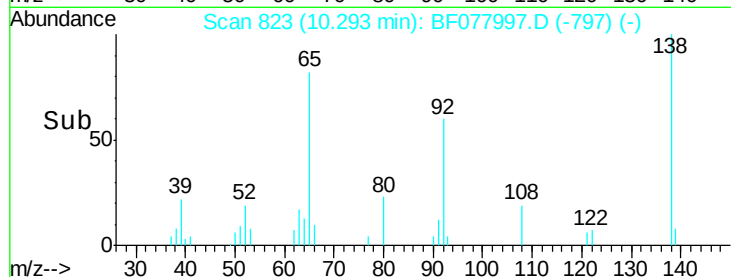
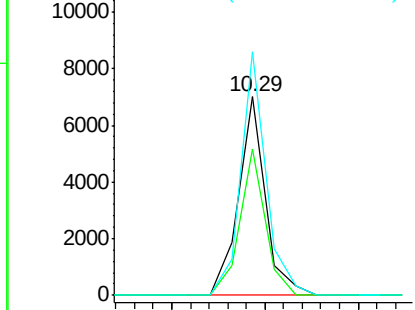
#47
2-Nitroaniline
Concen: 6.18 ng
RT: 10.29 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 65 Resp: 7034
Ion Ratio Lower Upper
65 100
92 73.6 59.1 88.7
138 122.6 93.9 140.9

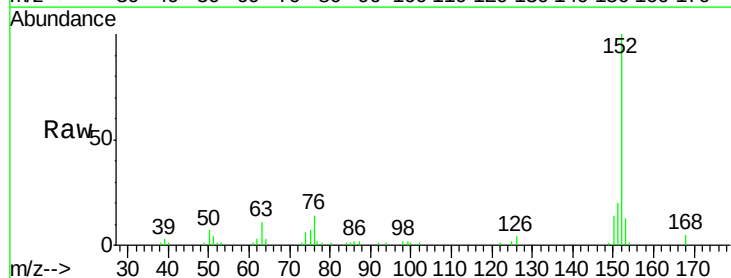


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E

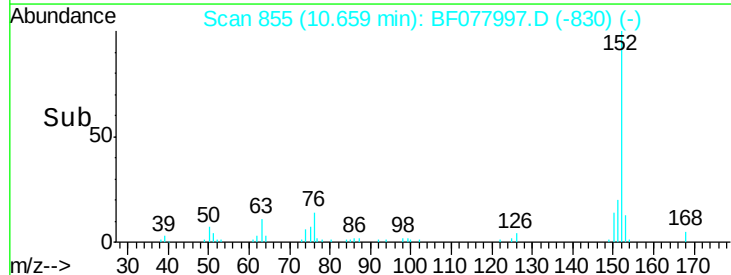
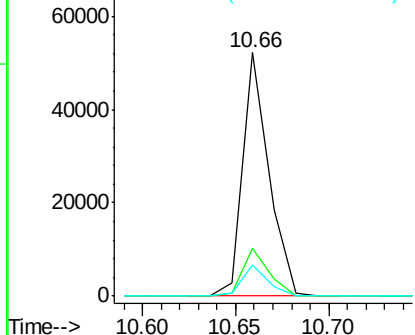


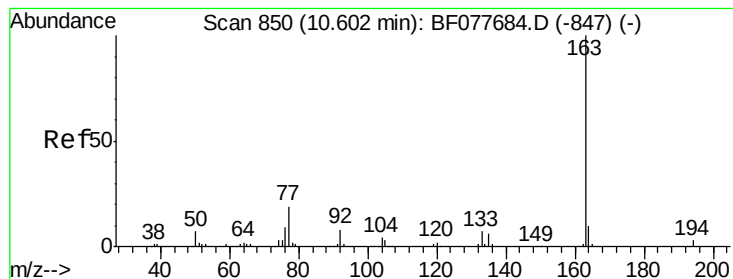
#48
Acenaphthylene
Concen: 6.68 ng
RT: 10.66 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion: 152 Resp: 50852
Ion Ratio Lower Upper
152 100
151 19.7 15.9 23.9
153 12.9 10.6 16.0



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





#49

Dimethylphthalate

Concen: 6.80 ng

RT: 10.52 min Scan# 843

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

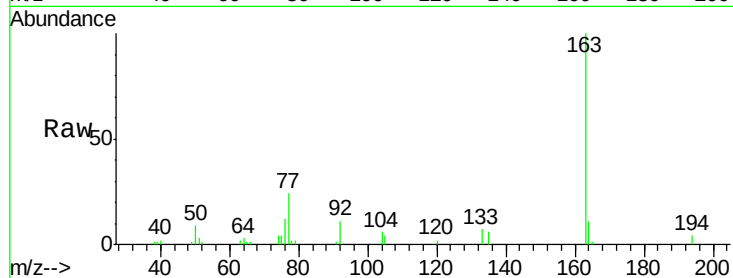
Tgt Ion:163 Resp: 35572

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

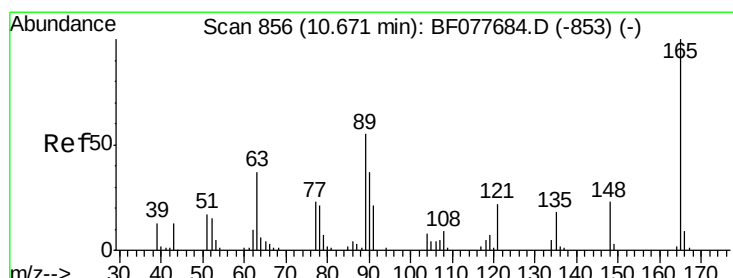
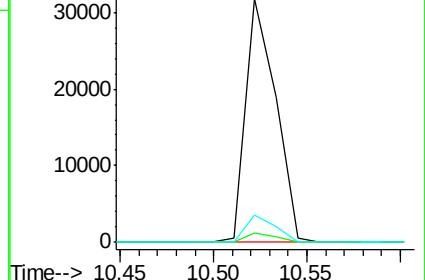
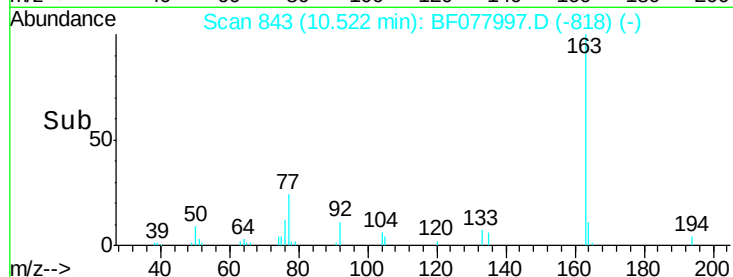
164 11.2 8.2 12.2



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: 6.84 ng

RT: 10.60 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

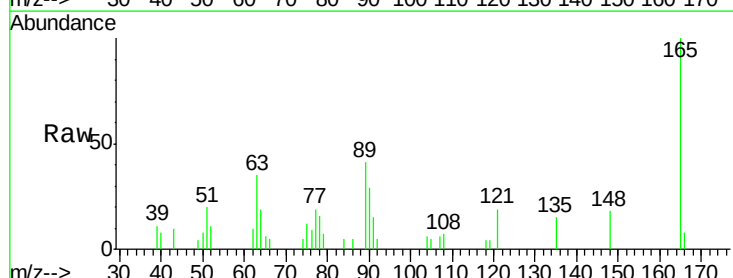
Tgt Ion:165 Resp: 7414

Ion Ratio Lower Upper

165 100

63 34.6 44.1 66.1#

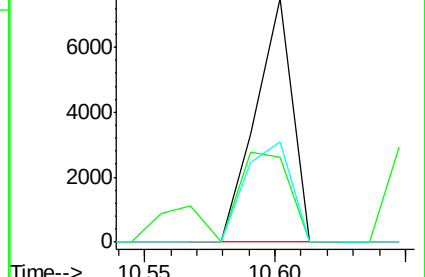
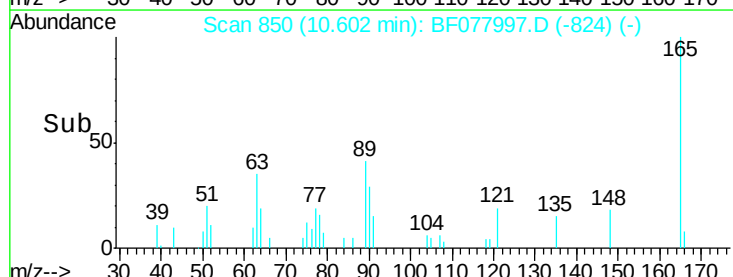
89 41.3 44.3 66.5#

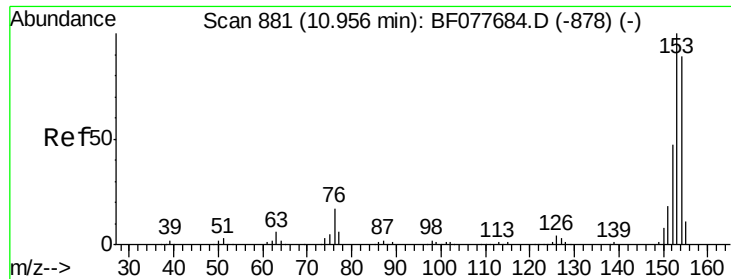


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.94 ng

RT: 10.88 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

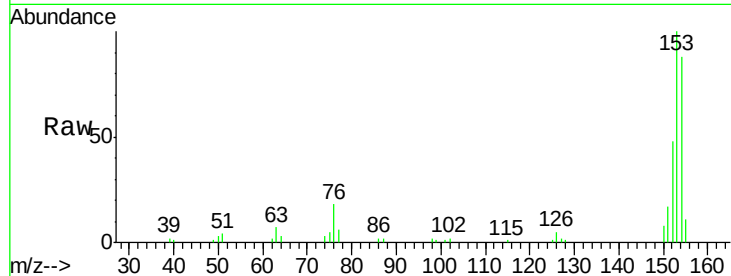
Tgt Ion:154 Resp: 30315

Ion Ratio Lower Upper

154 100

153 113.0 90.0 135.0

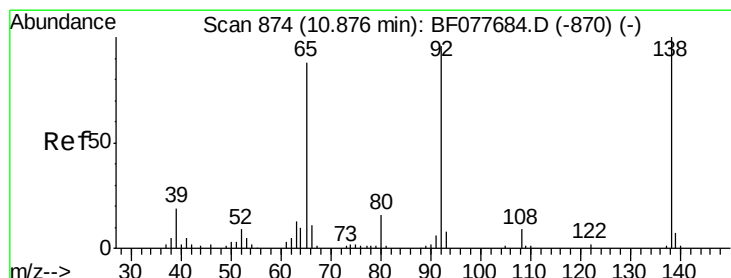
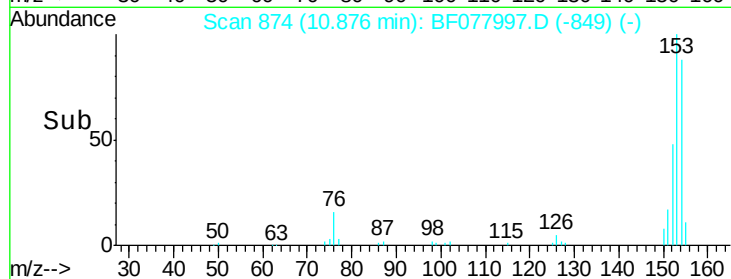
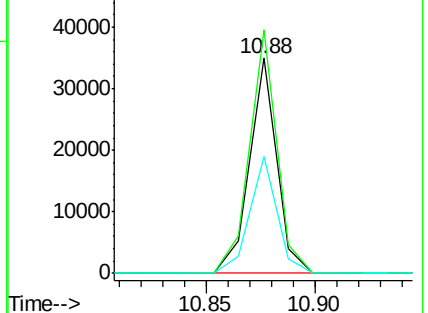
152 54.2 42.6 63.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 5.92 ng

RT: 10.80 min Scan# 867

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

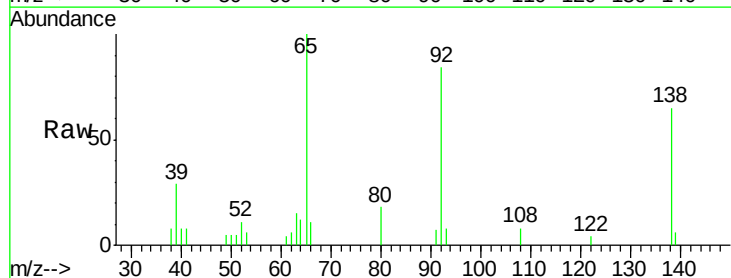
Tgt Ion:138 Resp: 7447

Ion Ratio Lower Upper

138 100

108 12.8 7.3 10.9#

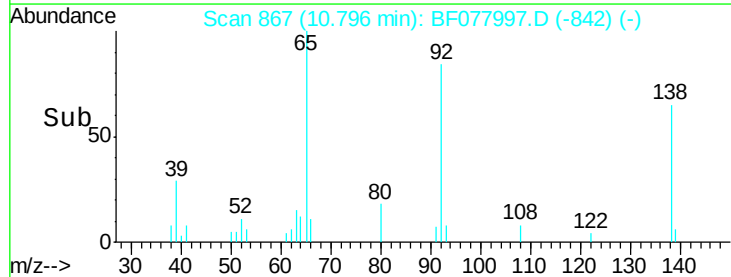
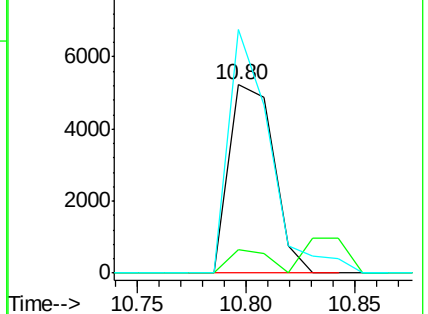
92 129.5 76.6 114.8#

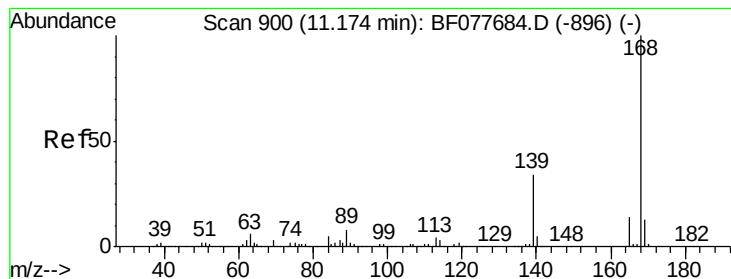


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#54

Dibenzofuran

Concen: 7.36 ng

RT: 11.09 min Scan# 893

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

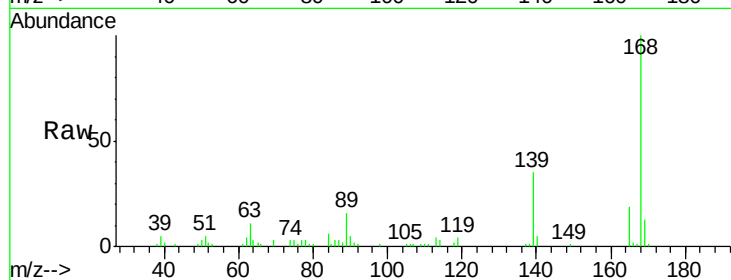
Tgt Ion:168 Resp: 47671

Ion Ratio Lower Upper

168 100

139 34.6 27.3 40.9

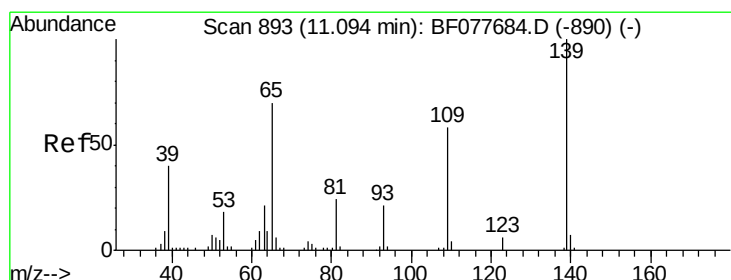
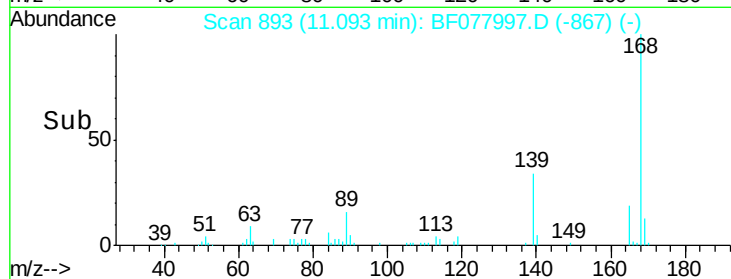
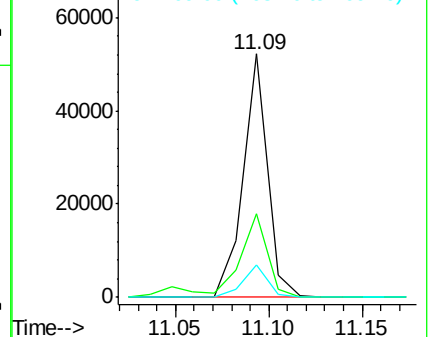
169 13.1 10.6 16.0



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: 22.32 ng

RT: 11.09 min Scan# 893

Delta R.T. 0.06 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

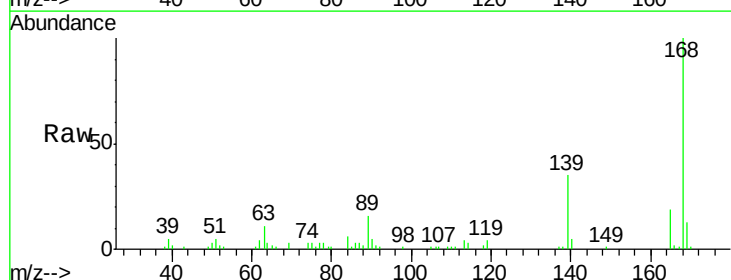
Tgt Ion:139 Resp: 20808

Ion Ratio Lower Upper

139 100

109 2.3 37.7 77.7#

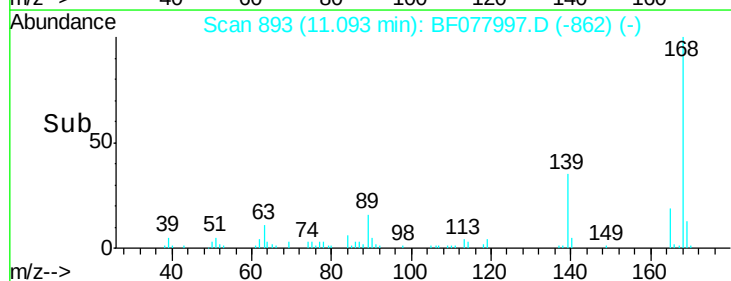
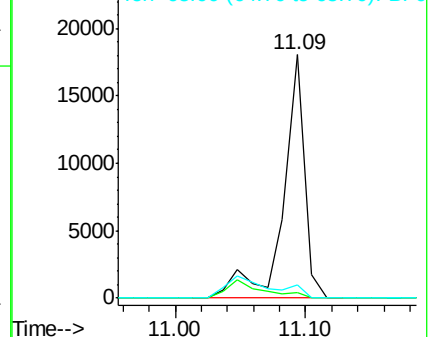
65 5.7 49.9 89.9#

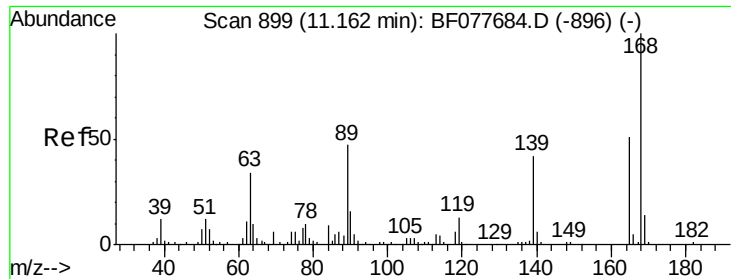


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

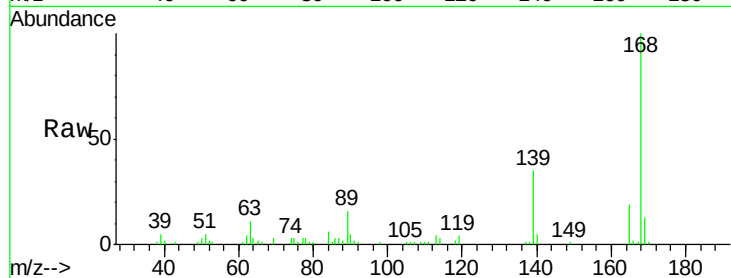




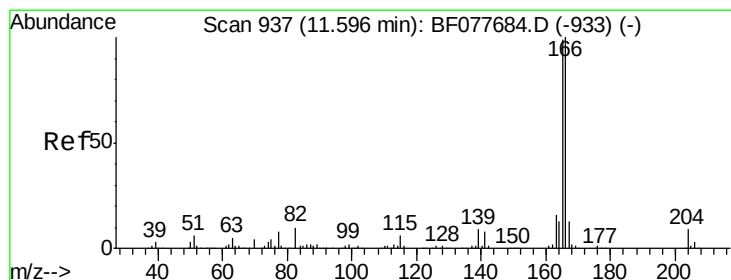
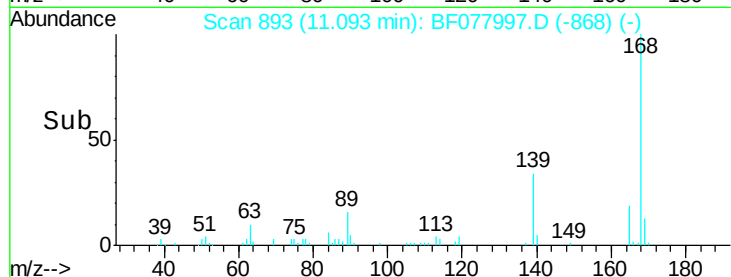
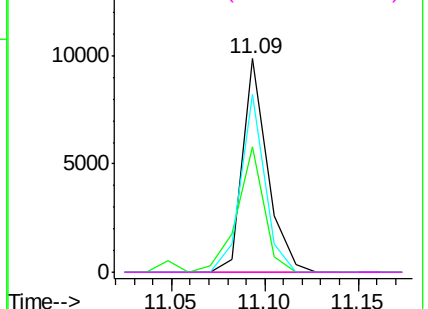
#56
2,4-Dinitrotoluene
Concen: 6.49 ng
RT: 11.09 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:165 Resp: 9171
Ion Ratio Lower Upper
165 100
63 58.8 52.4 78.6
89 83.5 72.4 108.6
182 0.0 2.0 3.0#

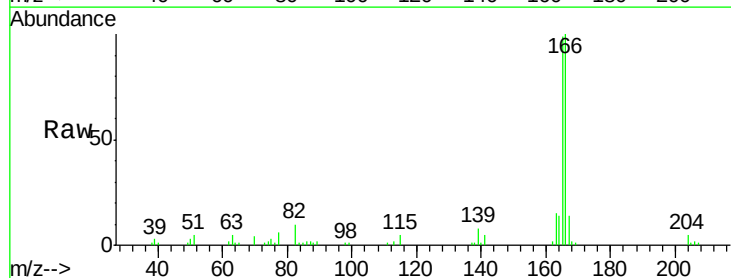


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

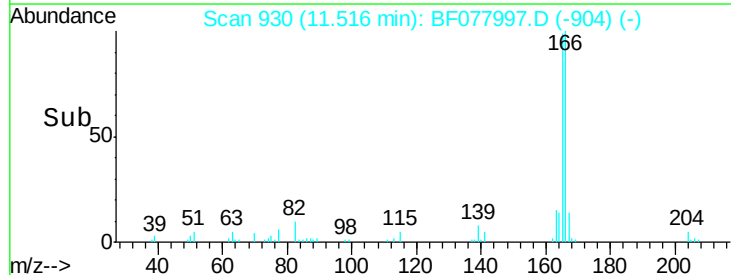
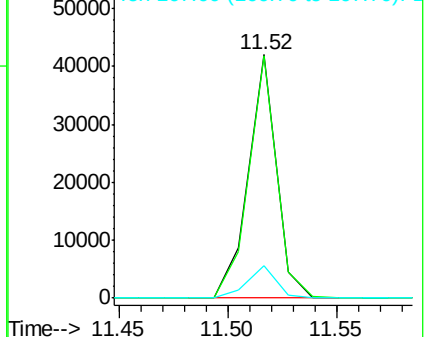


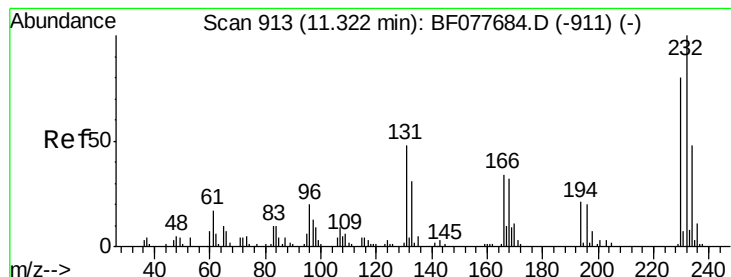
#57
Fluorene
Concen: 7.04 ng
RT: 11.52 min Scan# 930
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion:166 Resp: 37843
Ion Ratio Lower Upper
166 100
165 99.5 79.0 118.4
167 13.5 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: 5.70 ng

RT: 11.25 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:232 Resp: 6909

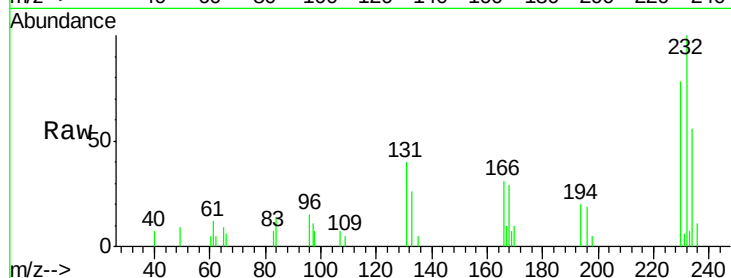
Ion Ratio Lower Upper

232 100

131 46.2 0.0 0.0#

130 0.0 0.0 0.0

166 27.6 0.0 0.0#

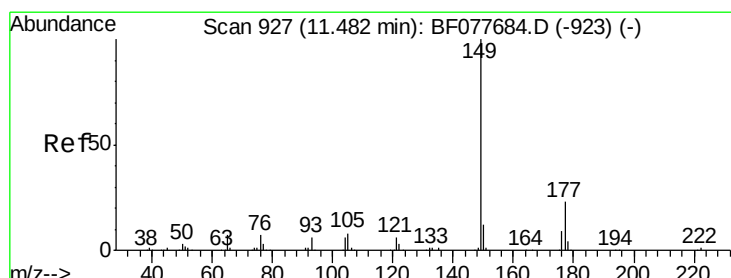
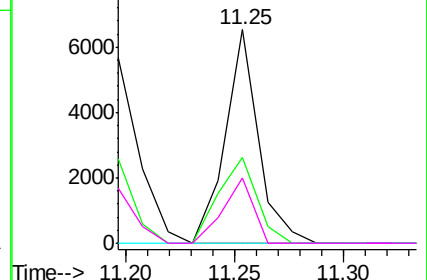
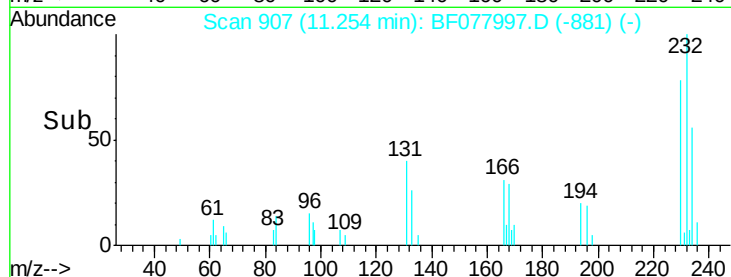


Abundance Ion 232.00 (231.70 to 232.70): E

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: 7.36 ng

RT: 11.40 min Scan# 920

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

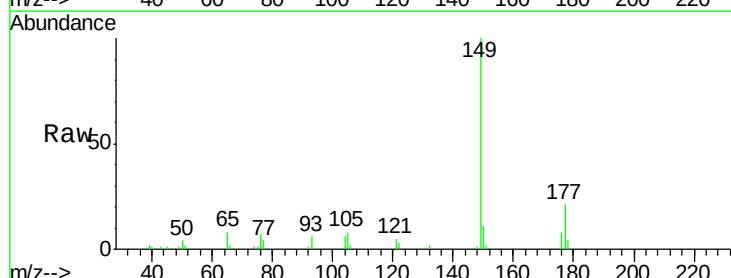
Tgt Ion:149 Resp: 37497

Ion Ratio Lower Upper

149 100

177 21.2 18.3 27.5

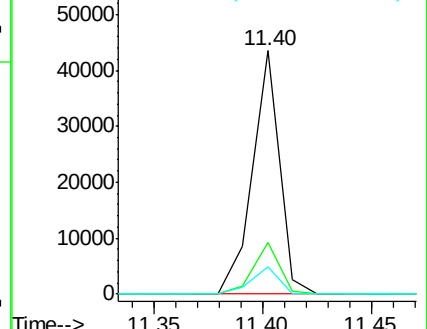
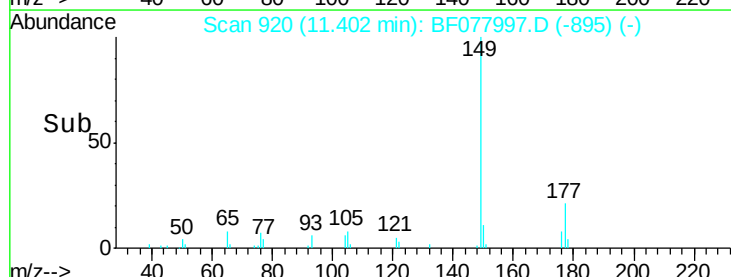
150 11.5 9.8 14.8

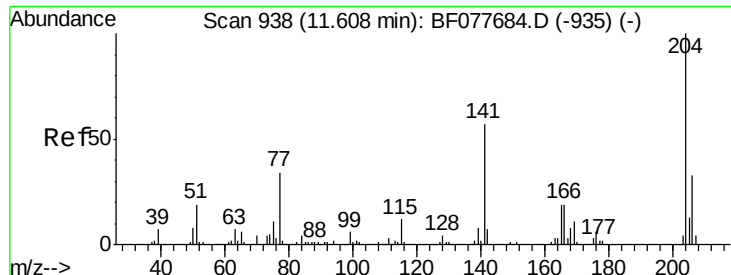


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

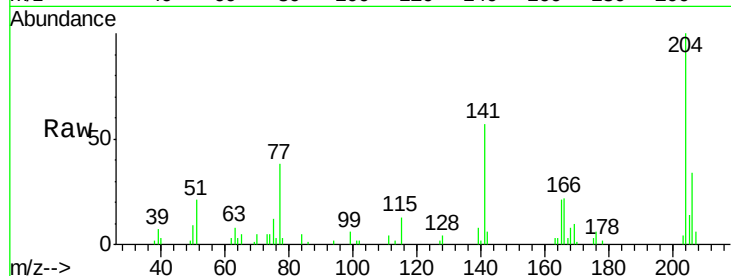




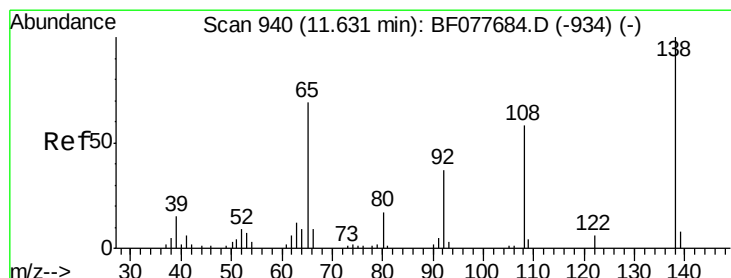
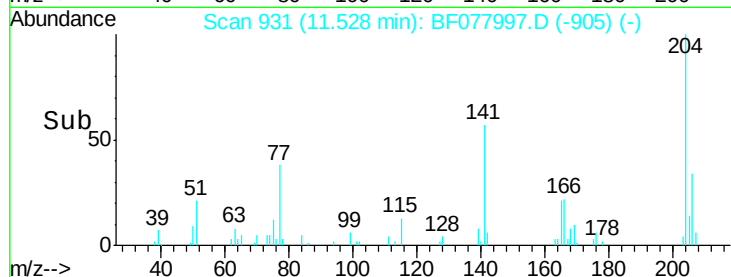
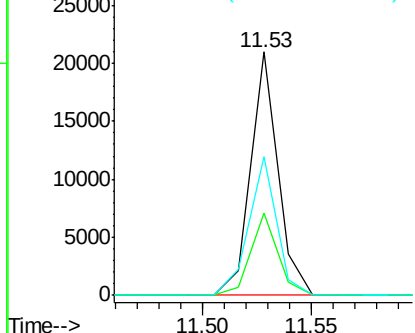
#60
 4-Chlorophenyl-phenylether
 Concen: 7.45 ng
 RT: 11.53 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 204 Resp: 18285
 Ion Ratio Lower Upper
 204 100
 206 33.8 26.6 39.8
 141 57.0 45.2 67.8

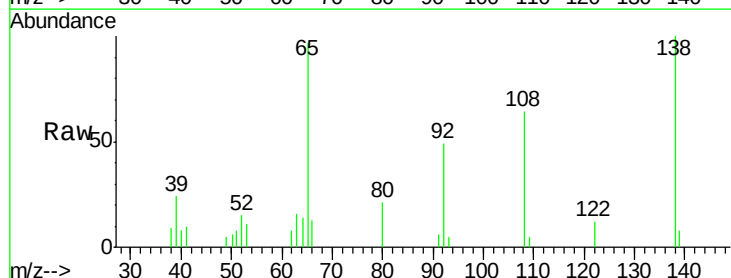


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

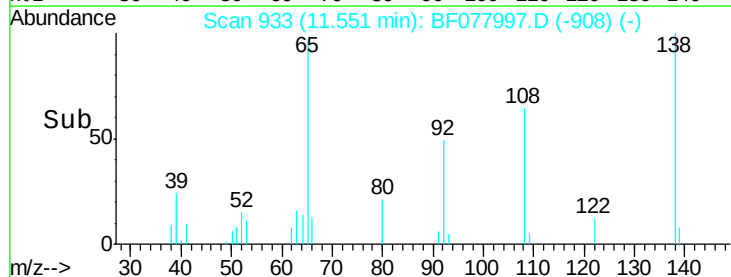
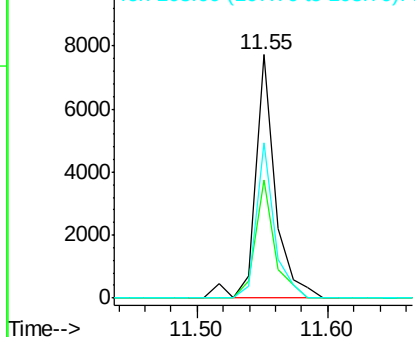


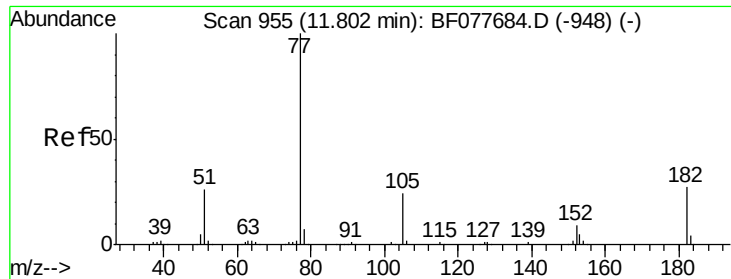
#61
 4-Nitroaniline
 Concen: 6.59 ng
 RT: 11.55 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion: 138 Resp: 8261
 Ion Ratio Lower Upper
 138 100
 92 48.6 16.7 56.7
 108 63.9 37.6 77.6



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 6.69 ng

RT: 11.72 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion: 77 Resp: 32570

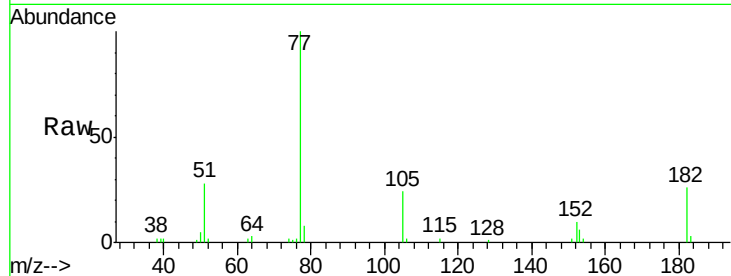
Ion Ratio Lower Upper

77 100

182 26.0 6.5 46.5

105 24.4 3.8 43.8

51 27.7 5.5 45.5

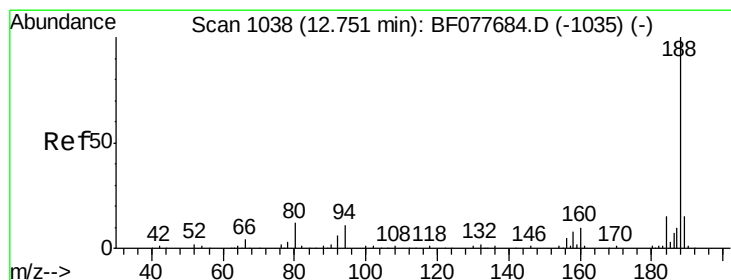
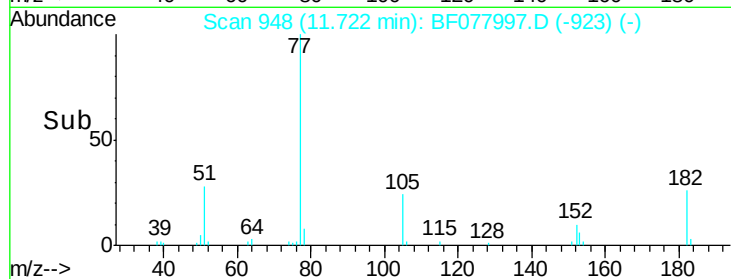
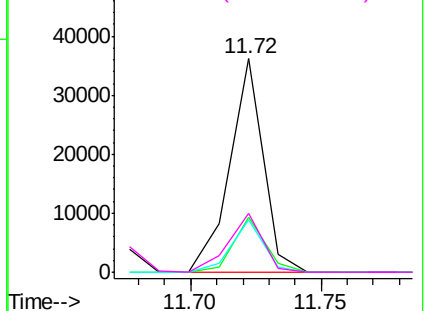


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.67 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

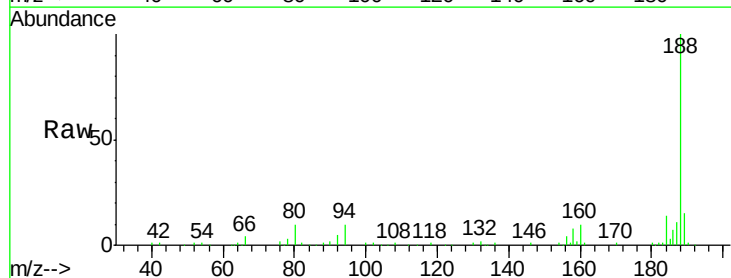
Tgt Ion: 188 Resp: 148638

Ion Ratio Lower Upper

188 100

94 9.7 8.7 13.1

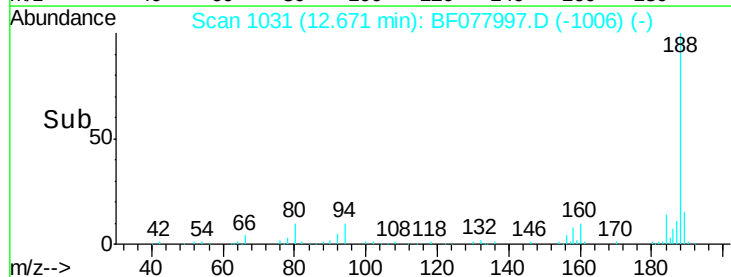
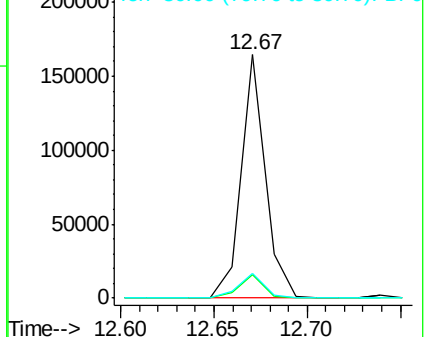
80 10.4 9.3 13.9

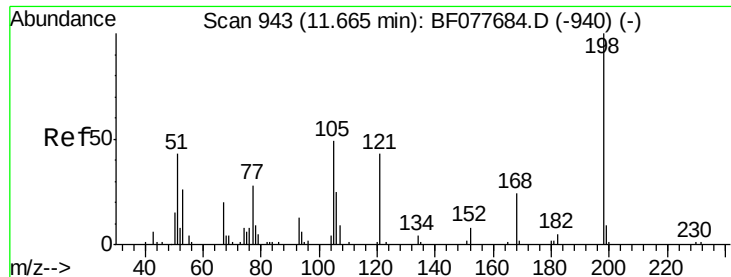


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

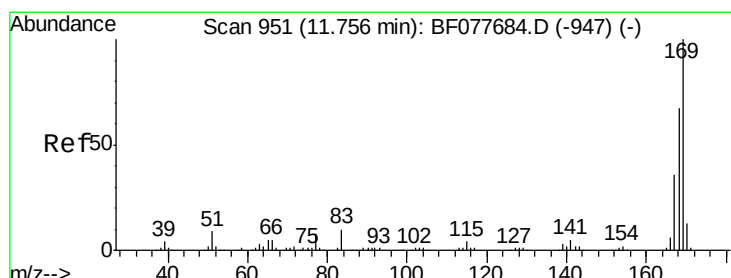
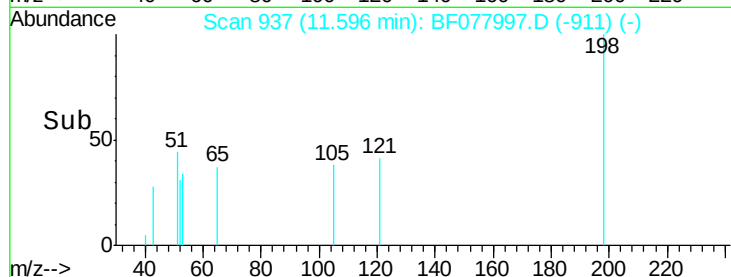
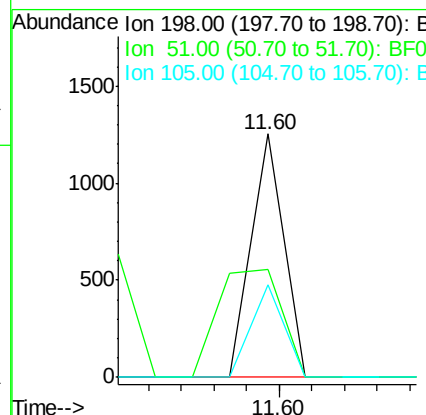
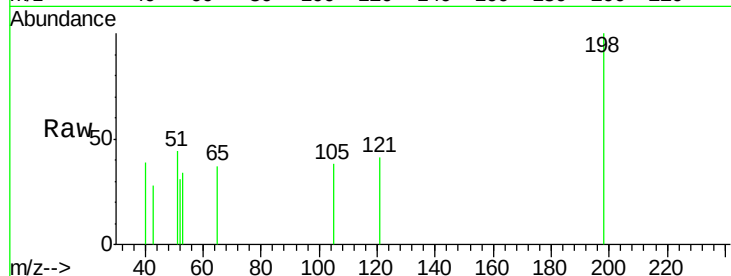




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.41 ng
 RT: 11.60 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

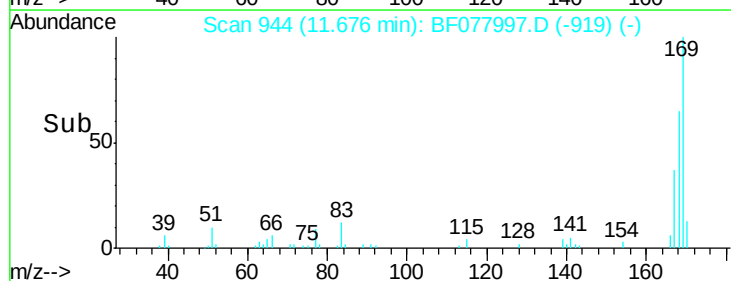
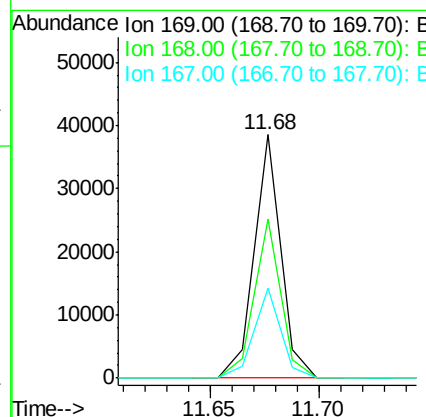
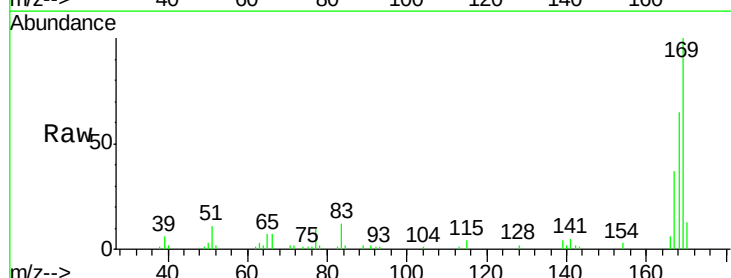
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

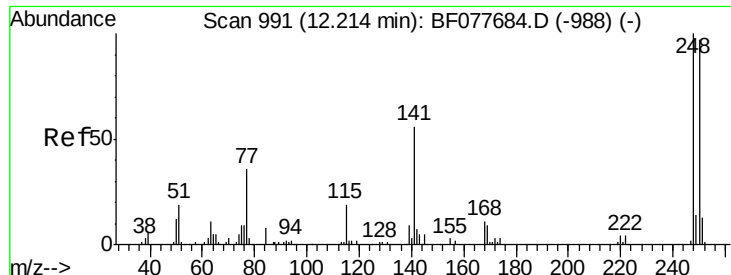
Tgt Ion:198 Resp: 860
 Ion Ratio Lower Upper
 198 100
 51 44.1 28.8 68.8
 105 38.1 30.5 70.5



#65
 n-Nitrosodiphenylamine
 Concen: 6.60 ng
 RT: 11.68 min Scan# 944
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:169 Resp: 32678
 Ion Ratio Lower Upper
 169 100
 168 65.3 53.9 80.9
 167 36.8 28.9 43.3

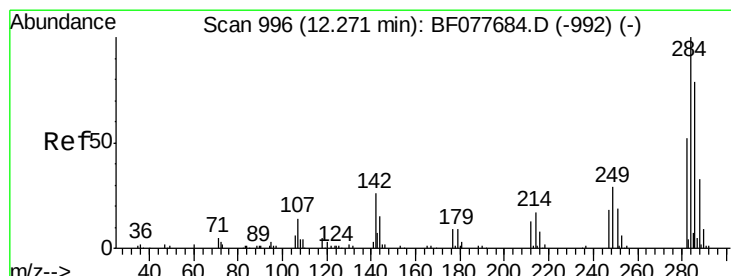
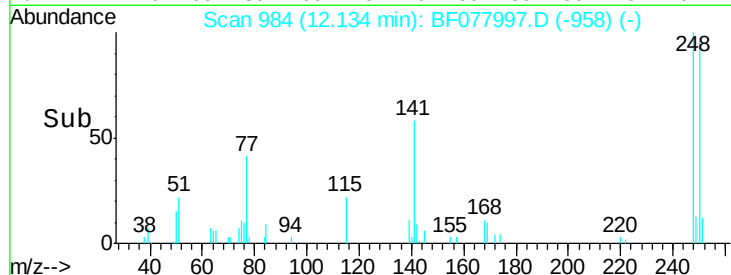
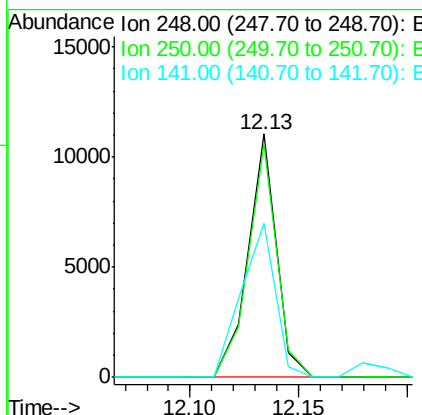
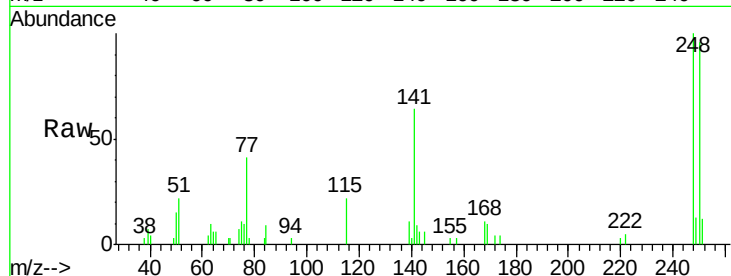




#66
 4-Bromophenyl-phenylether
 Concen: 6.29 ng
 RT: 12.13 min Scan# 984
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

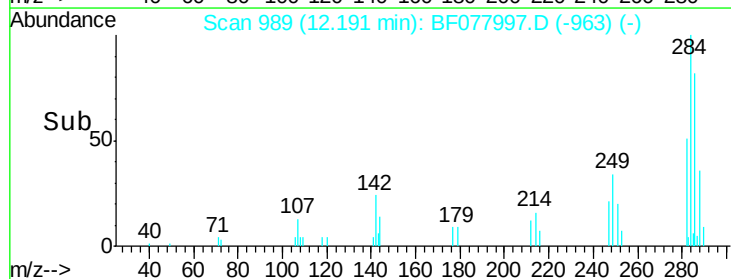
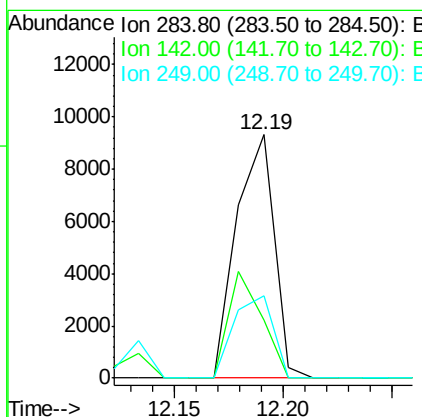
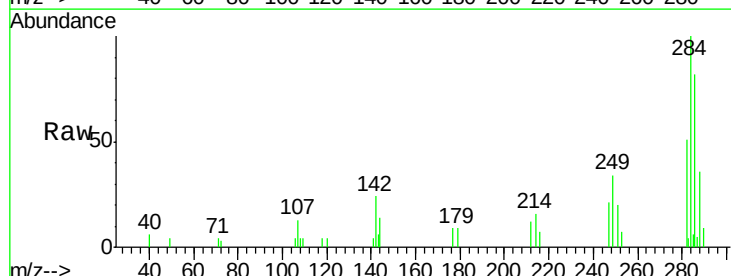
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

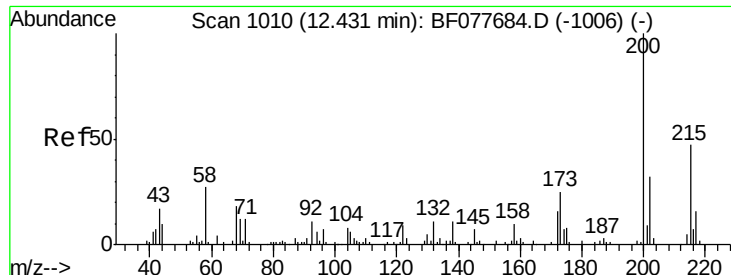
Tgt Ion:248 Resp: 9970
 Ion Ratio Lower Upper
 248 100
 250 95.7 77.4 116.0
 141 63.5 45.2 67.8



#67
 Hexachlorobenzene
 Concen: 6.44 ng
 RT: 12.19 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:284 Resp: 11229
 Ion Ratio Lower Upper
 284 100
 142 23.7 20.4 30.6
 249 33.9 23.8 35.6

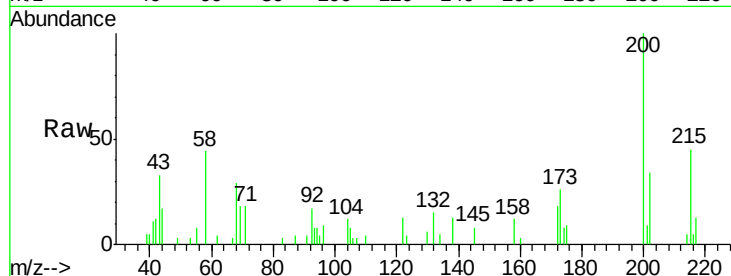




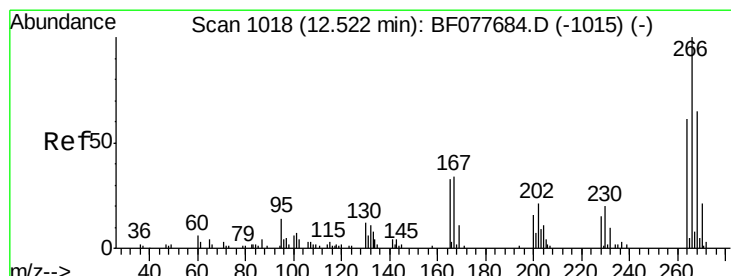
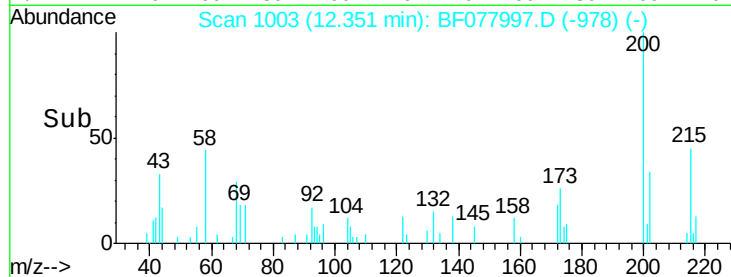
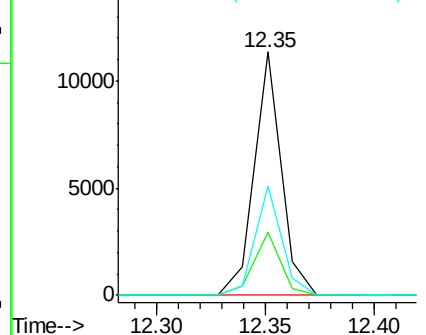
#68
 Atrazine
 Concen: 7.06 ng
 RT: 12.35 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:200 Resp: 9795
 Ion Ratio Lower Upper
 200 100
 173 26.0 4.8 44.8
 215 44.6 26.9 66.9

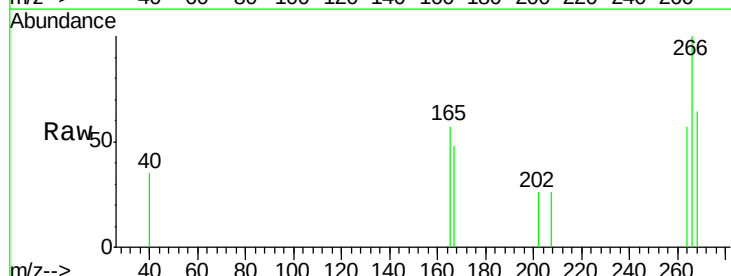


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

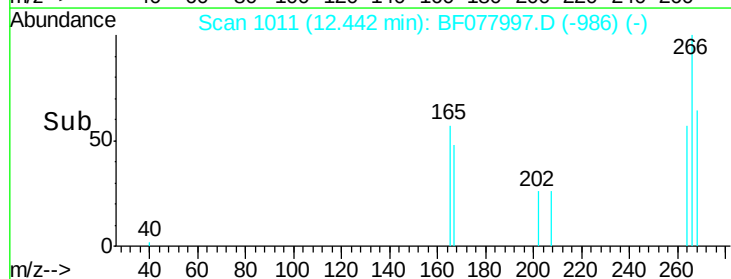
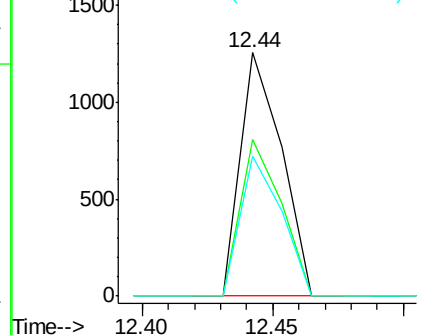


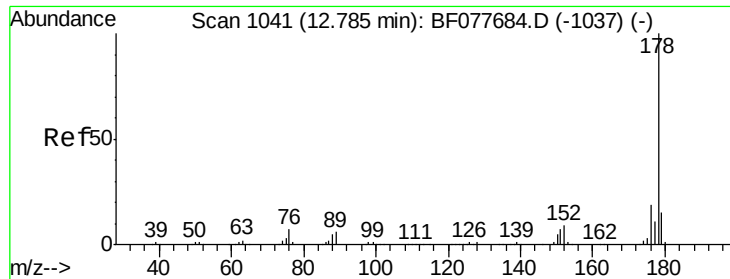
#69
 Pentachlorophenol
 Concen: 4.55 ng
 RT: 12.44 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:266 Resp: 1390
 Ion Ratio Lower Upper
 266 100
 268 64.4 52.0 78.0
 264 57.2 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

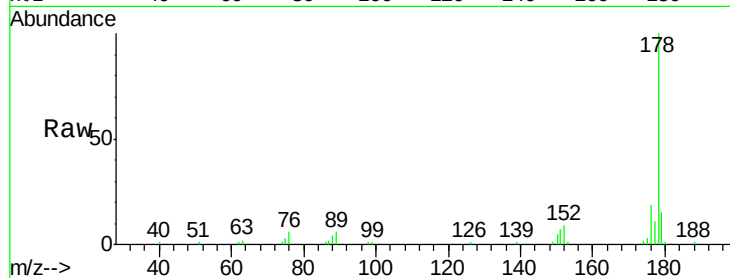




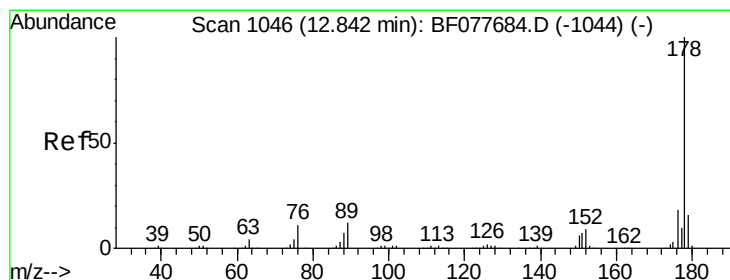
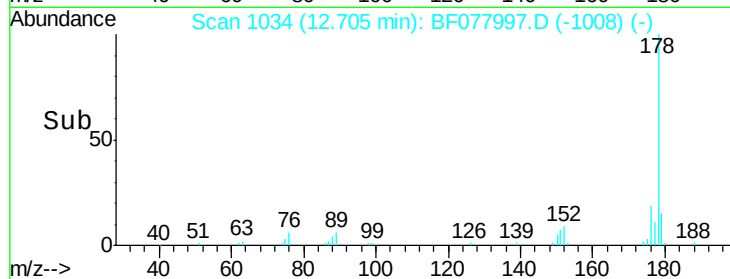
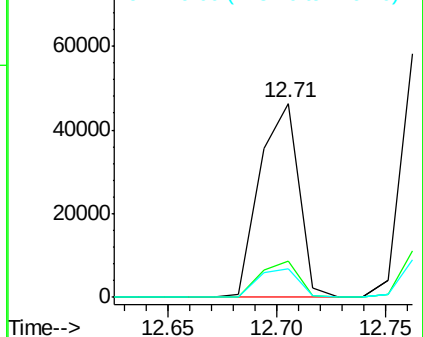
#70
Phenanthrene
Concen: 6.82 ng
RT: 12.71 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:178 Resp: 58210
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 14.7 12.1 18.1

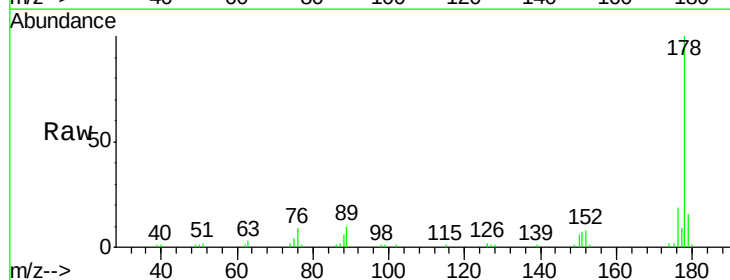


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

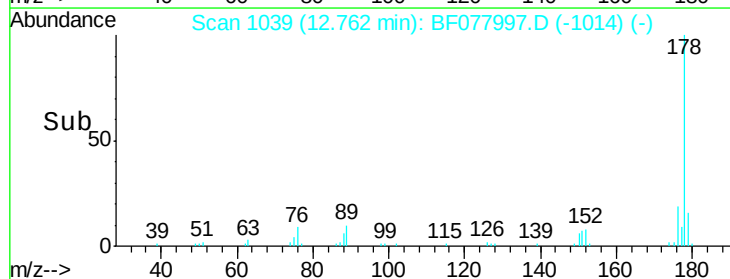
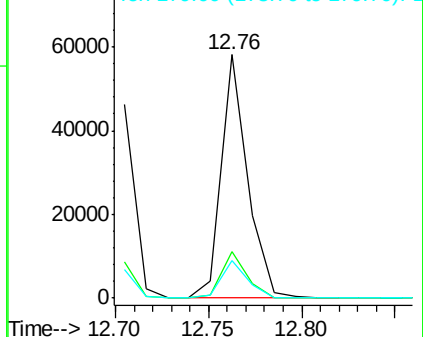


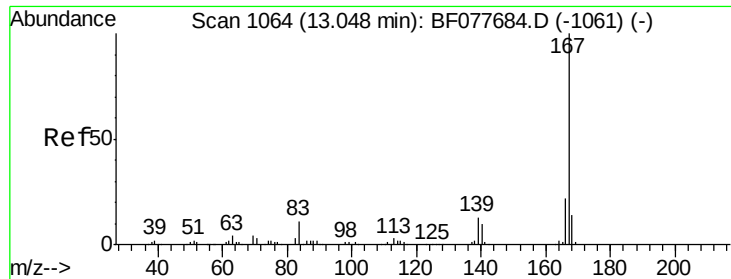
#71
Anthracene
Concen: 6.81 ng
RT: 12.76 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion:178 Resp: 57376
Ion Ratio Lower Upper
178 100
176 19.0 14.6 22.0
179 15.5 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

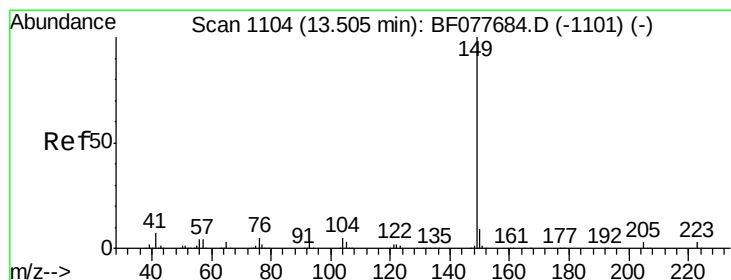
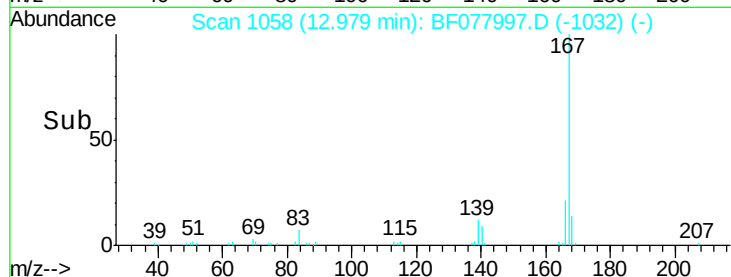
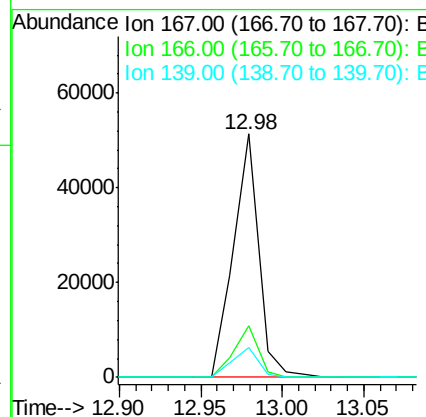
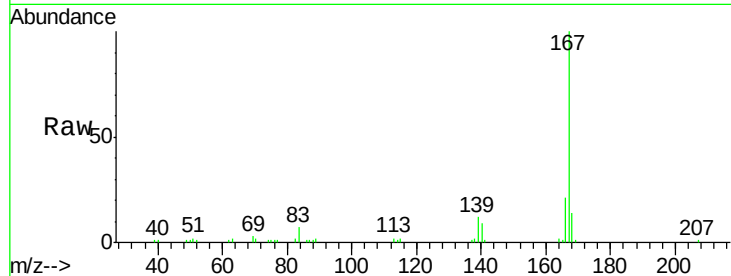




#72
 Carbazole
 Concen: 6.83 ng
 RT: 12.98 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

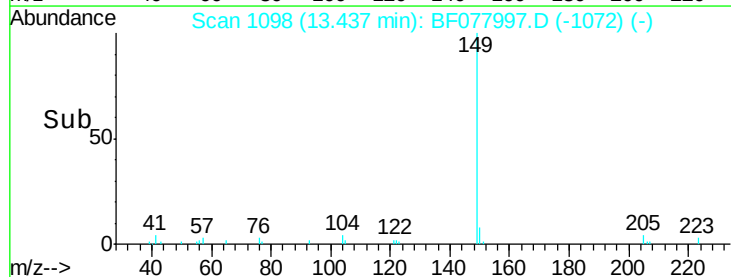
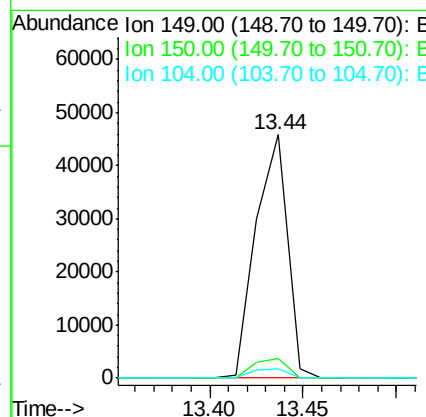
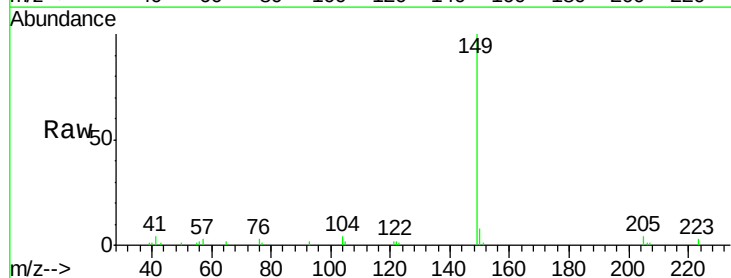
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

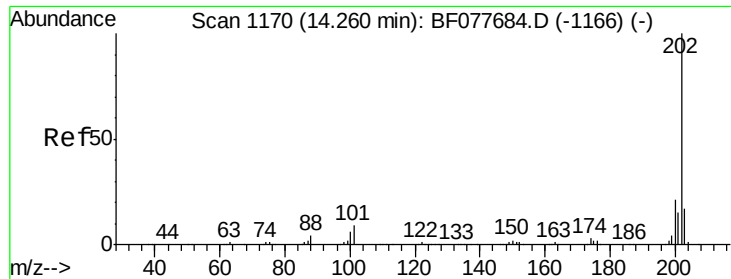
Tgt Ion:167 Resp: 54749
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.2 25.8
 139 12.0 10.8 16.2



#73
 Di-n-butylphthalate
 Concen: 5.94 ng
 RT: 13.44 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion:149 Resp: 53407
 Ion Ratio Lower Upper
 149 100
 150 8.0 7.5 11.3
 104 3.6 3.7 5.5#

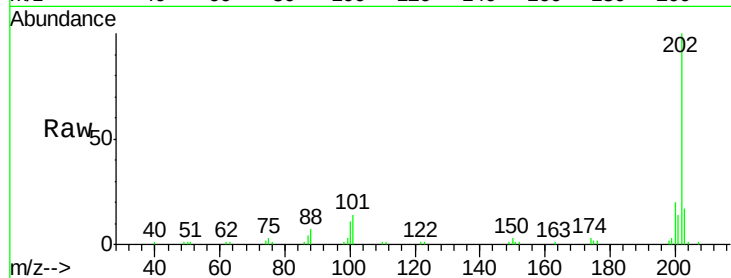




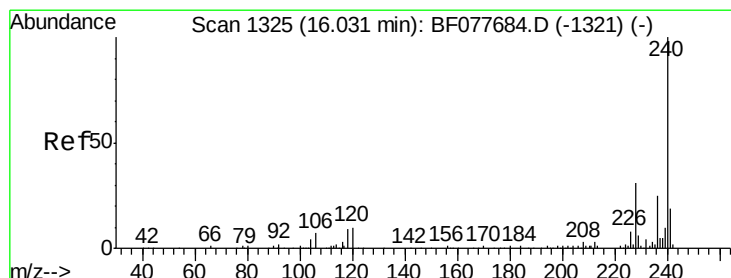
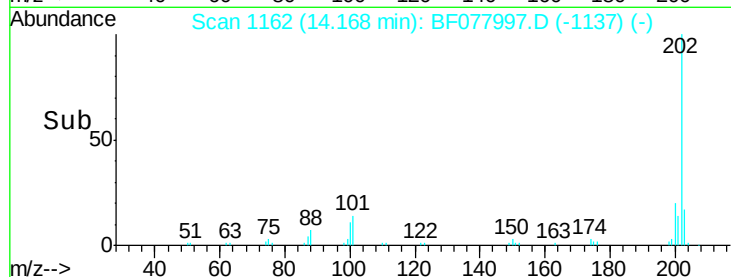
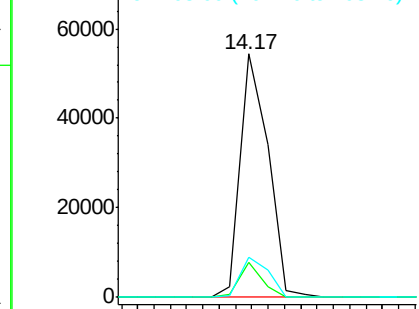
#74
Fluoranthene
Concen: 6.80 ng
RT: 14.17 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 202 Resp: 64011
Ion Ratio Lower Upper
202 100
101 14.4 0.0 28.7
203 16.6 0.0 37.2

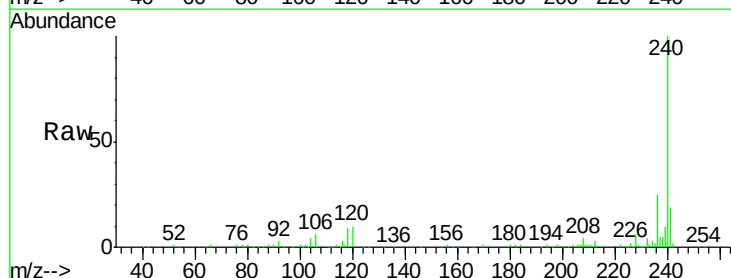


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

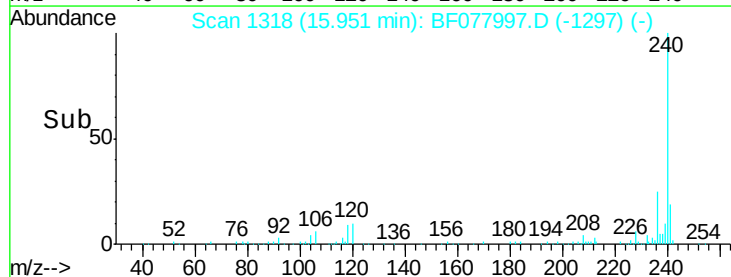
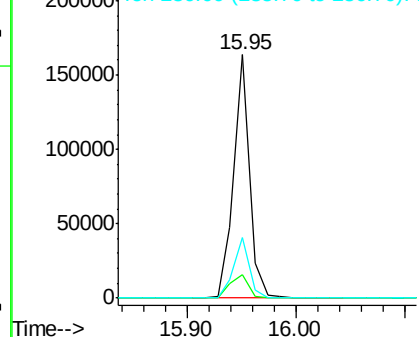


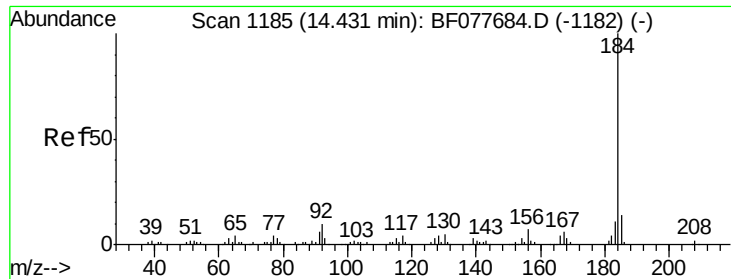
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.95 min Scan# 1318
Delta R.T. -0.06 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion: 240 Resp: 165332
Ion Ratio Lower Upper
240 100
120 9.6 8.2 12.2
236 24.7 20.0 30.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 8.97 ng

RT: 14.36 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

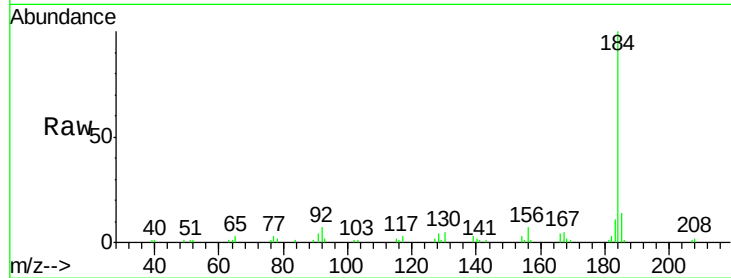
Tgt Ion:184 Resp: 38236

Ion Ratio Lower Upper

184 100

185 13.8 11.3 16.9

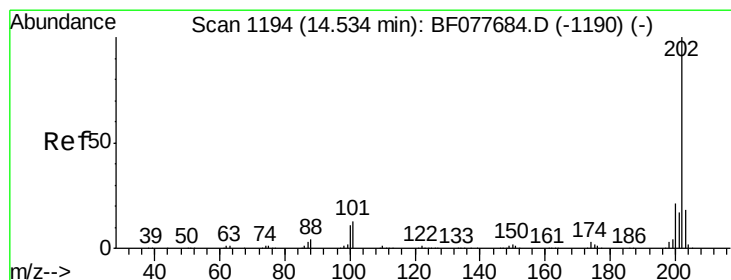
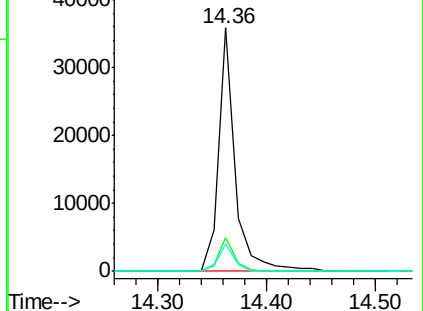
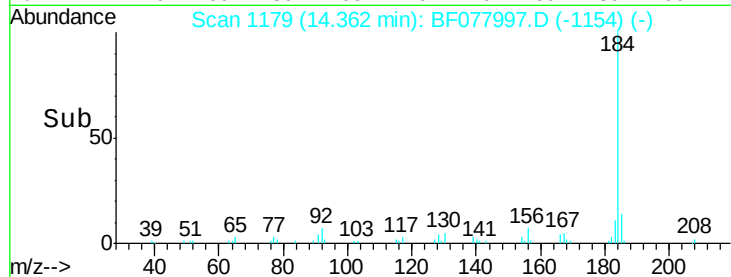
183 11.4 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#77

Pyrene

Concen: 6.71 ng

RT: 14.45 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

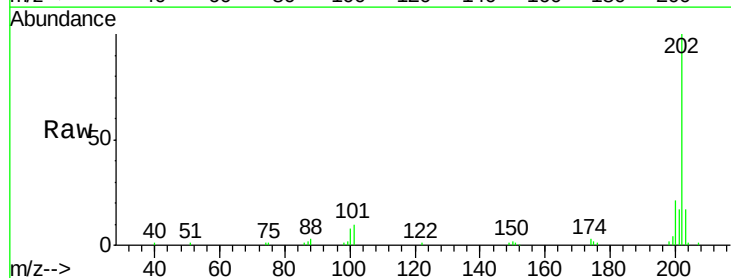
Tgt Ion:202 Resp: 69743

Ion Ratio Lower Upper

202 100

200 21.0 16.9 25.3

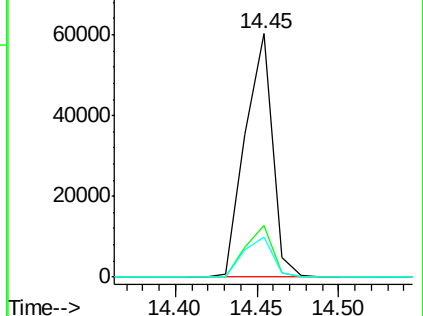
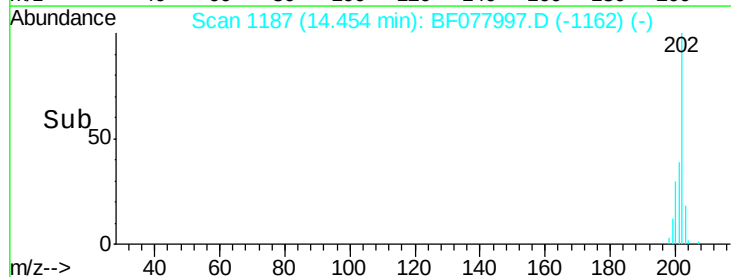
203 16.7 14.1 21.1

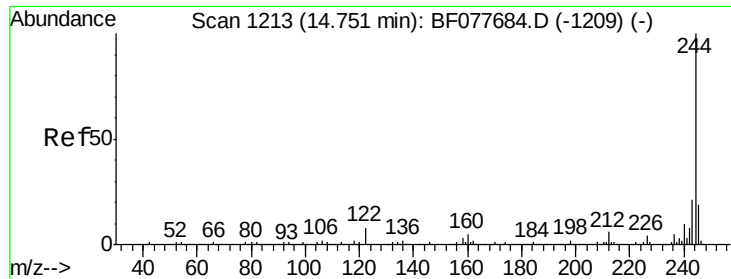


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

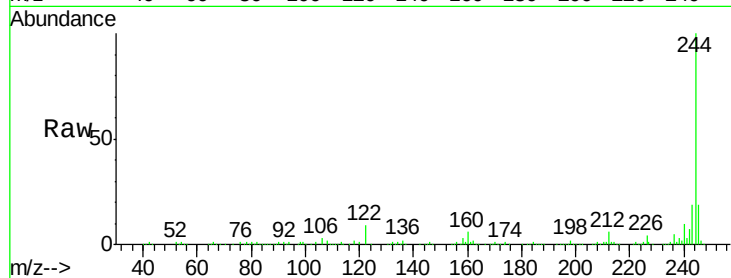




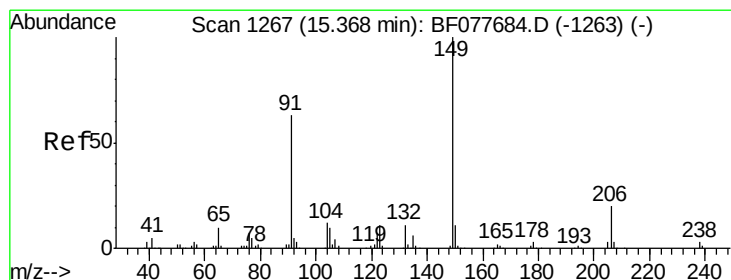
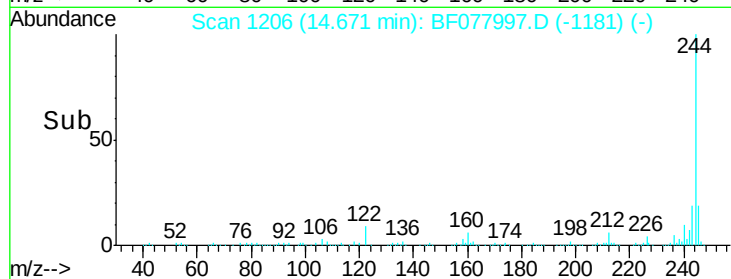
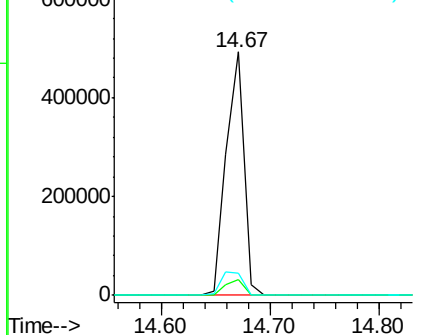
#78
 Terphenyl-d14
 Concen: 82.22 ng
 RT: 14.67 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion: 244 Resp: 556494
 Ion Ratio Lower Upper
 244 100
 212 6.4 4.9 7.3
 122 9.1 6.2 9.4

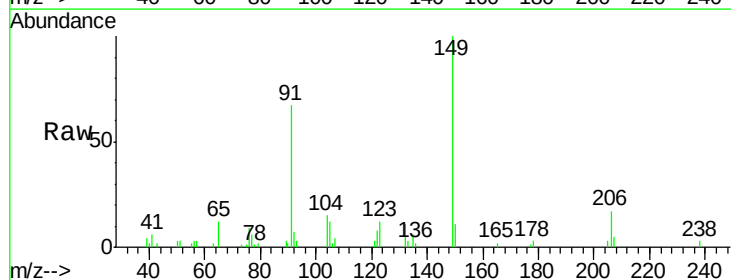


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

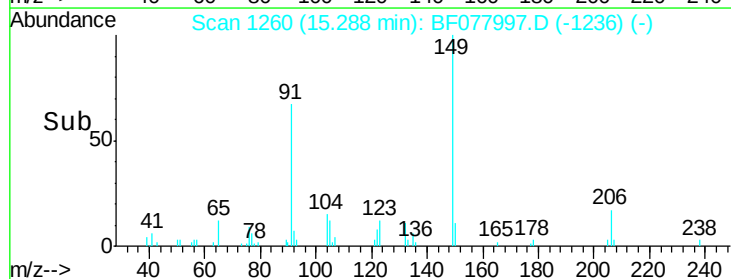
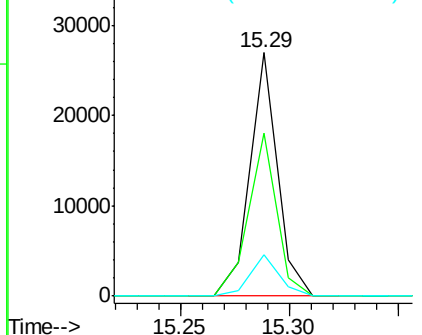


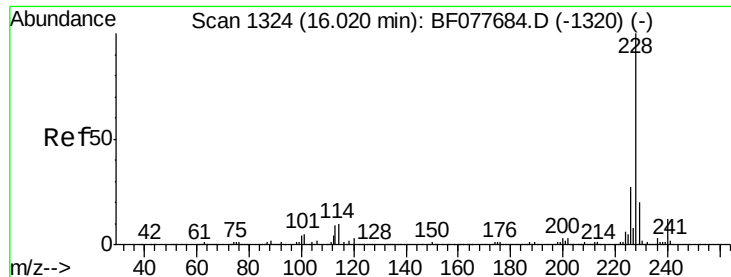
#79
 Butylbenzylphthalate
 Concen: 5.79 ng
 RT: 15.29 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion: 149 Resp: 23750
 Ion Ratio Lower Upper
 149 100
 91 67.0 50.1 75.1
 206 17.0 16.2 24.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E

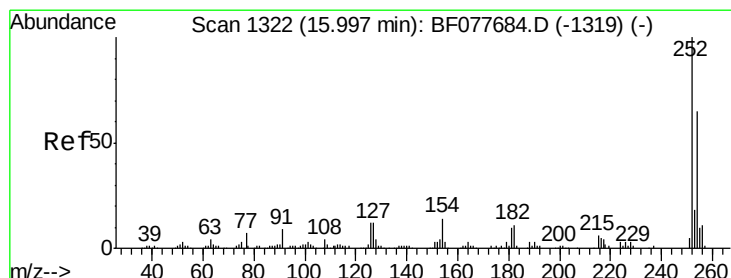
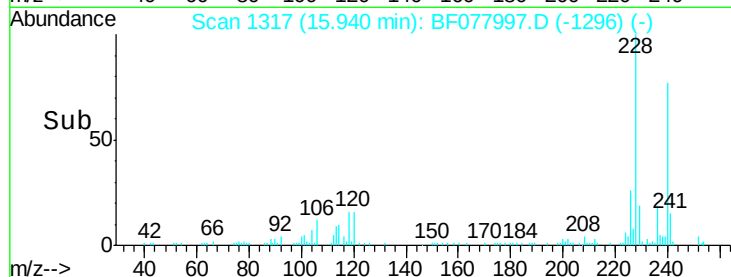
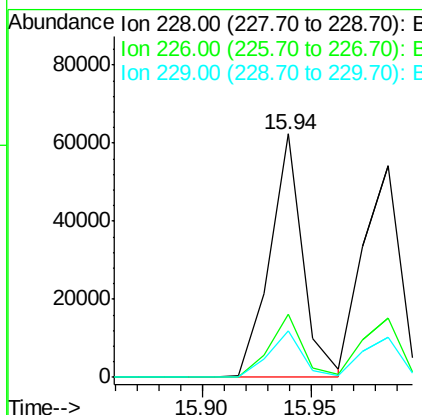
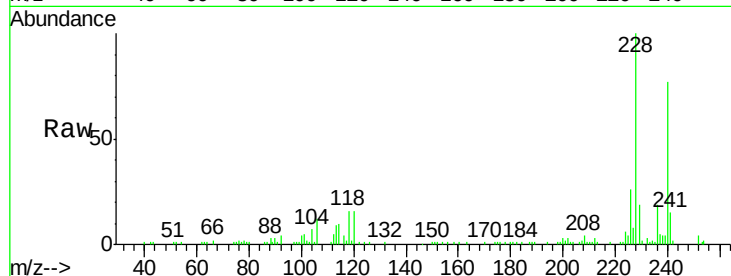




#80
Benzo(a)anthracene
Concen: 6.71 ng
RT: 15.94 min Scan# 1317
Delta R.T. -0.06 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

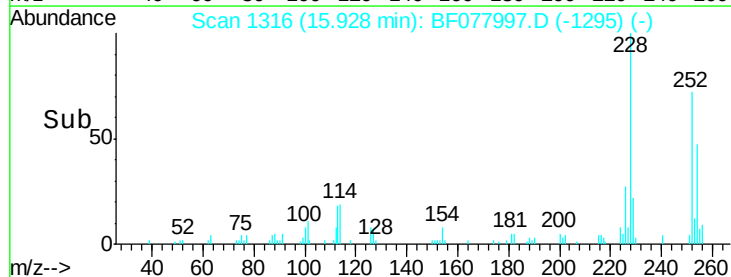
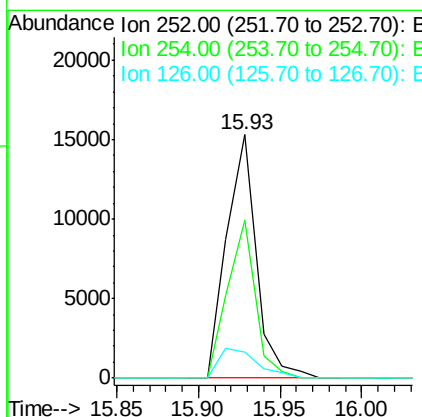
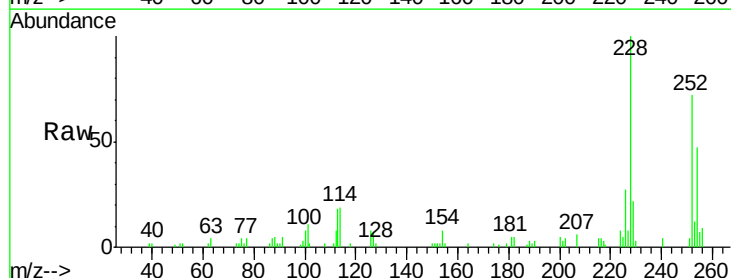
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

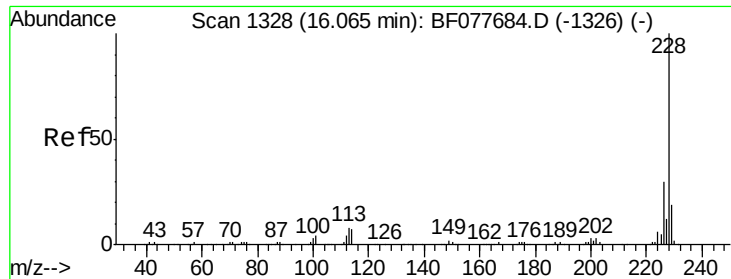
Tgt Ion: 228 Resp: 65720
Ion Ratio Lower Upper
228 100
226 25.9 21.7 32.5
229 19.1 16.0 24.0



#81
3,3'-Dichlorobenzidine
Concen: 5.93 ng
RT: 15.93 min Scan# 1316
Delta R.T. -0.06 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion: 252 Resp: 19177
Ion Ratio Lower Upper
252 100
254 64.8 51.9 77.9
126 10.7 9.8 14.8

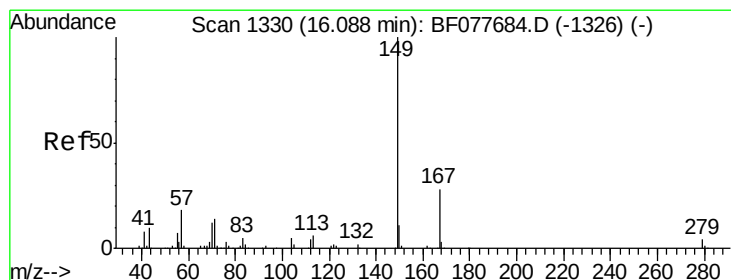
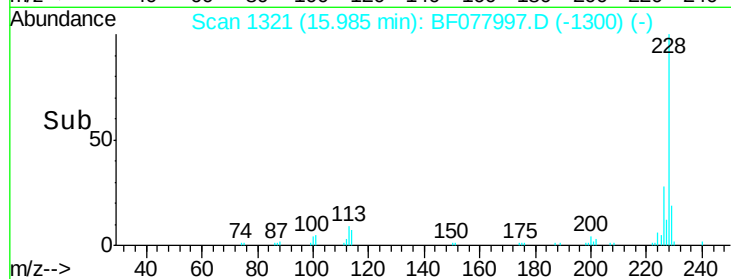
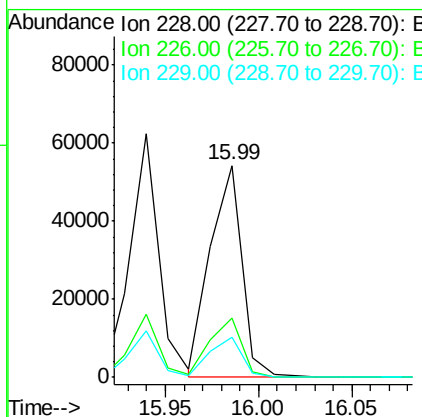
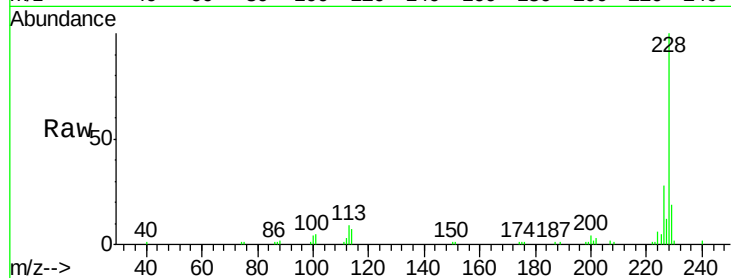




#82
Chrysene
 Concen: 7.33 ng
 RT: 15.99 min Scan# 1321
 Delta R.T. -0.06 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

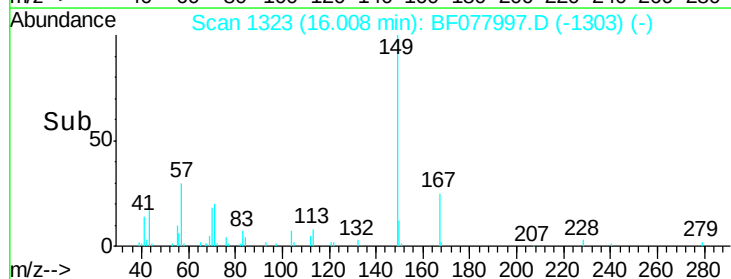
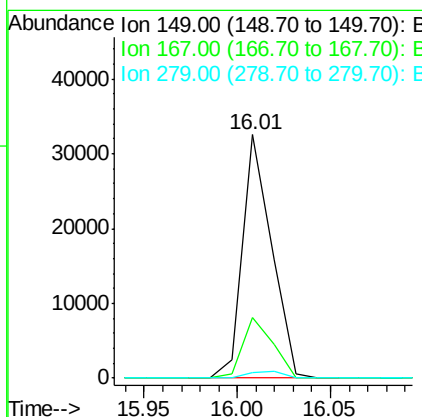
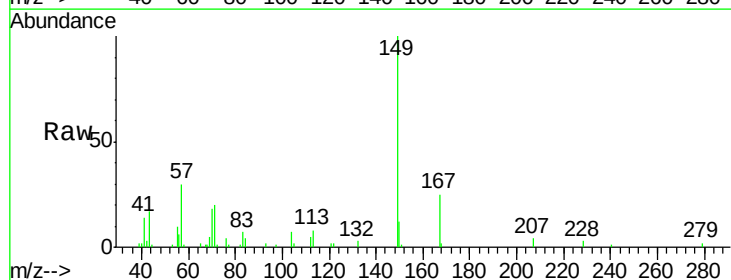
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

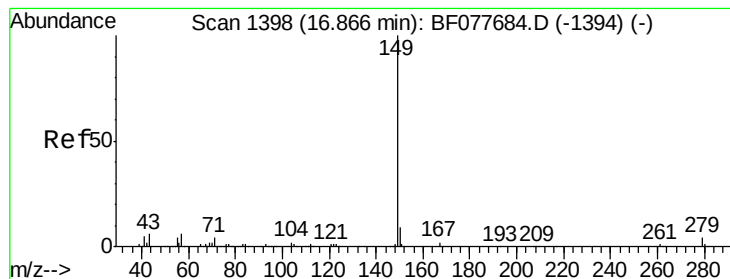
Tgt Ion: 228 Resp: 64574
 Ion Ratio Lower Upper
 228 100
 226 27.7 24.1 36.1
 229 18.6 15.5 23.3



#83
Bis(2-ethylhexyl)phthalate
 Concen: 5.69 ng
 RT: 16.01 min Scan# 1323
 Delta R.T. -0.07 min
 Lab File: BF077997.D
 Acq: 26 Mar 2015 16:07

Tgt Ion: 149 Resp: 35318
 Ion Ratio Lower Upper
 149 100
 167 25.1 22.4 33.6
 279 2.2 3.4 5.0#





#84

Di-n-octyl phthalate

Concen: 5.01 ng

RT: 16.81 min Scan# 1393

Delta R.T. -0.14 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

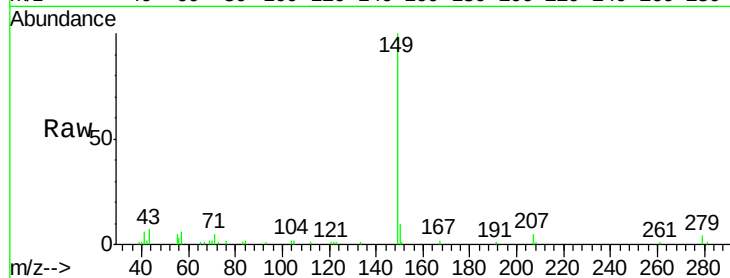
Tgt Ion:149 Resp: 53236

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

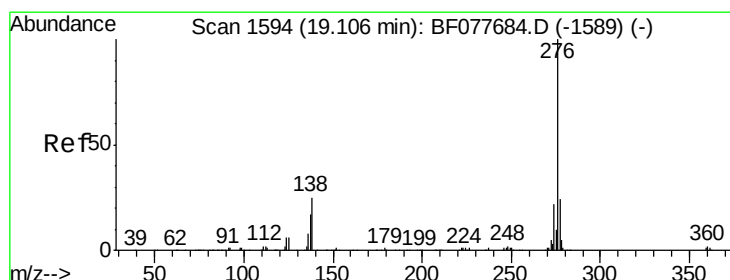
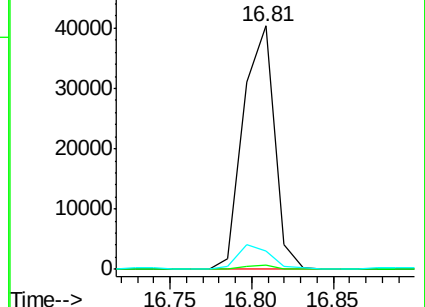
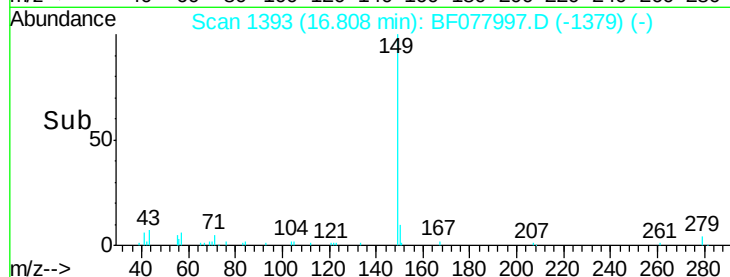
43 10.7 7.3 10.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.96 ng

RT: 19.43 min Scan# 1622

Delta R.T. 0.11 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

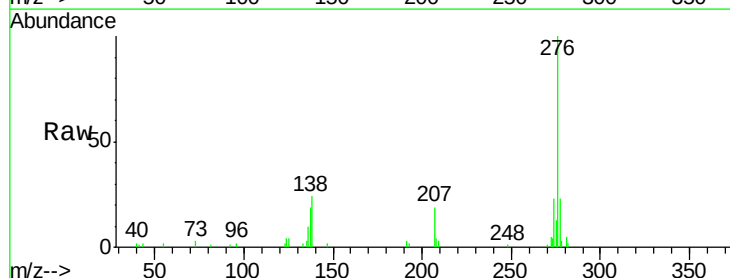
Tgt Ion:276 Resp: 54528

Ion Ratio Lower Upper

276 100

138 26.6 0.0 0.0#

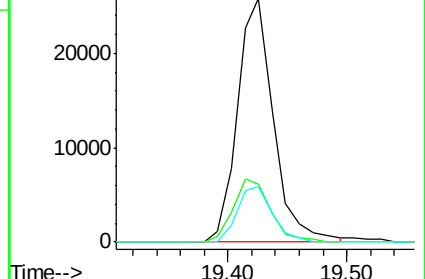
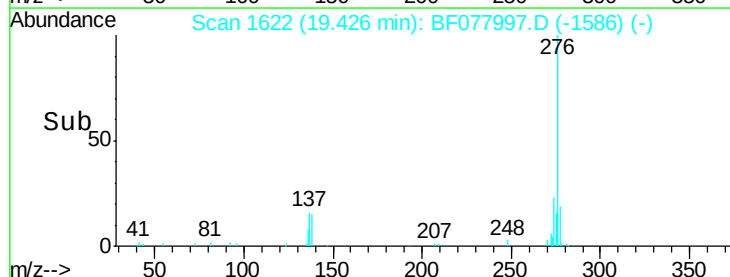
277 21.9 0.0 0.0#

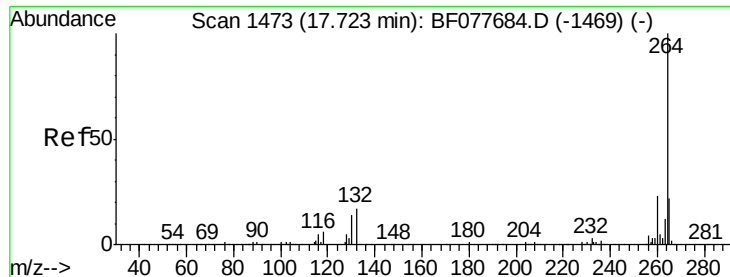


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



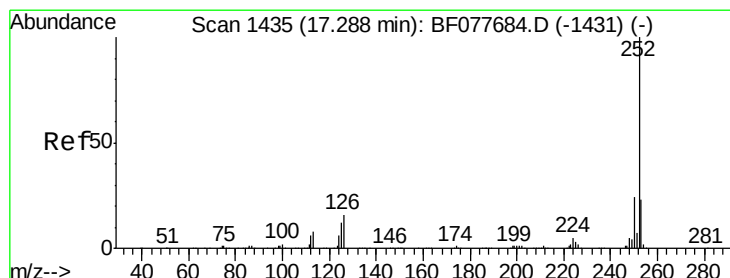
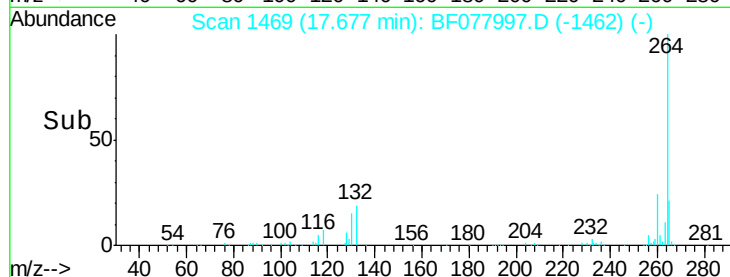
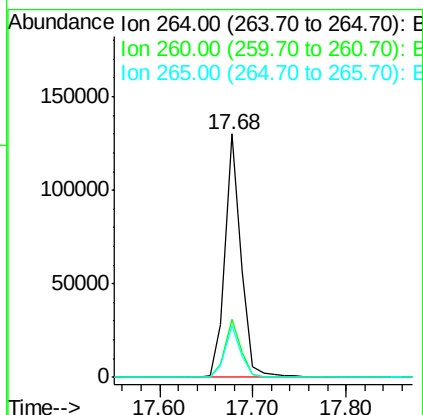
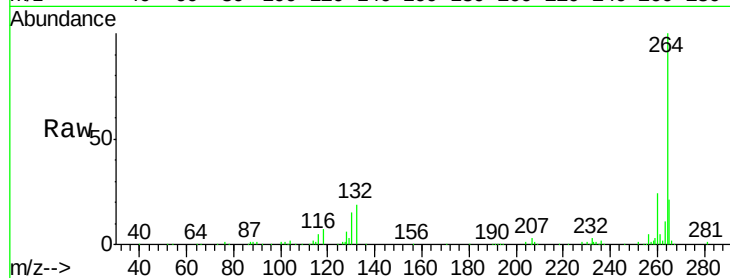


#86
Perylene-d12
Concen: 20.00 ng
RT: 17.68 min Scan# 1469
Delta R.T. -0.22 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 264 Resp: 155763

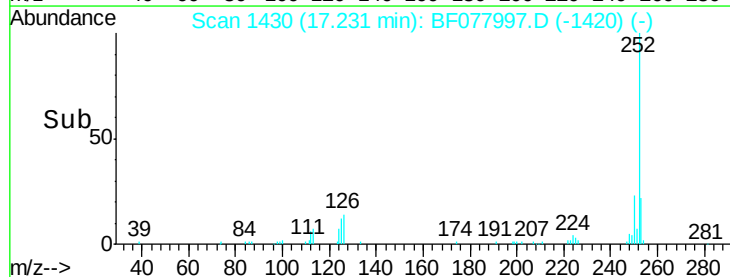
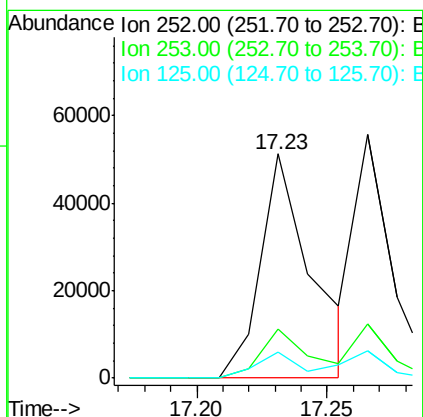
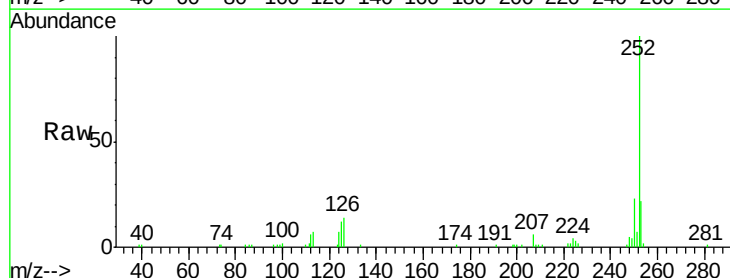
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.0	17.3	25.9

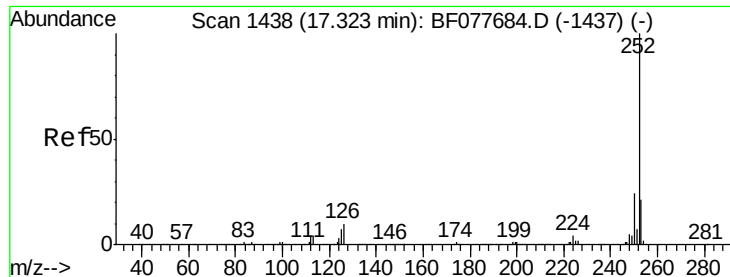


#87
Benzo(b)fluoranthene
Concen: 6.86 ng
RT: 17.23 min Scan# 1430
Delta R.T. -0.18 min
Lab File: BF077997.D
Acq: 26 Mar 2015 16:07

Tgt Ion: 252 Resp: 69764

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	11.8	9.9	14.9





#88

Benzo(k)fluoranthene

Concen: 8.78 ng

RT: 17.23 min Scan# 1430

Delta R.T. -0.22 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

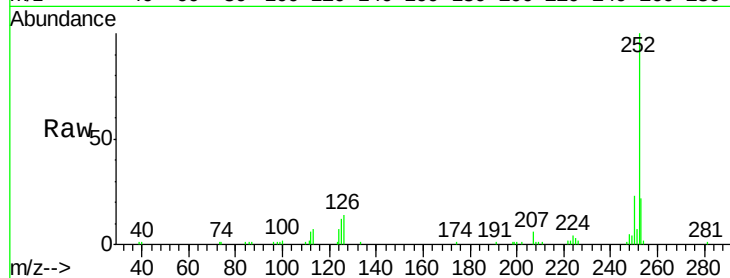
Tgt Ion:252 Resp: 69764

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

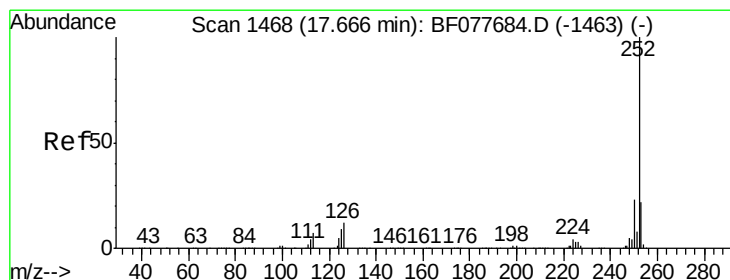
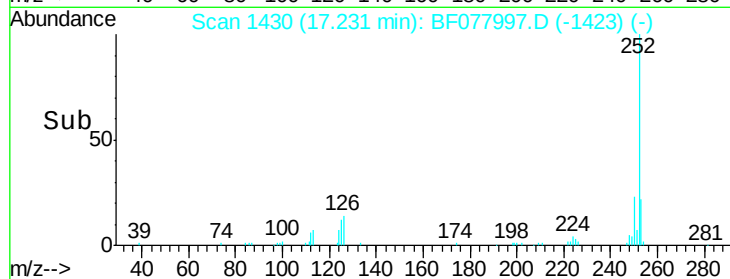
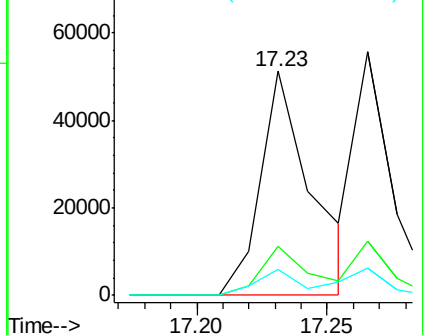
125 11.8 8.1 12.1



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: 7.15 ng

RT: 17.61 min Scan# 1463

Delta R.T. -0.22 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

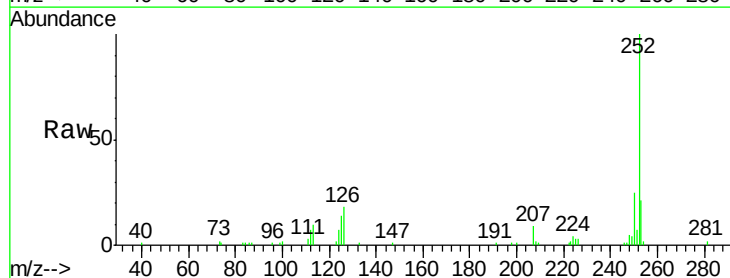
Tgt Ion:252 Resp: 60700

Ion Ratio Lower Upper

252 100

253 20.8 17.6 26.4

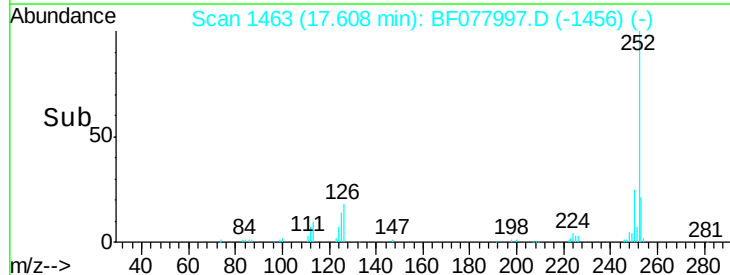
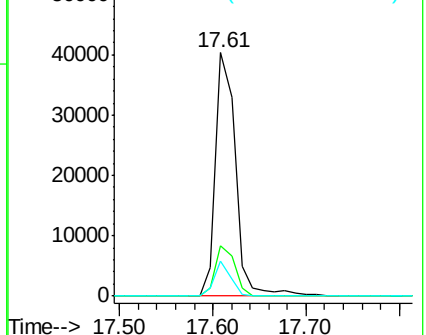
125 14.3 7.4 11.2#

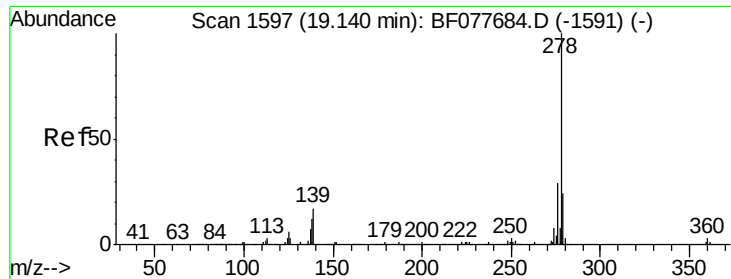


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 6.40 ng

RT: 19.06 min Scan# 1590

Delta R.T. -0.29 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

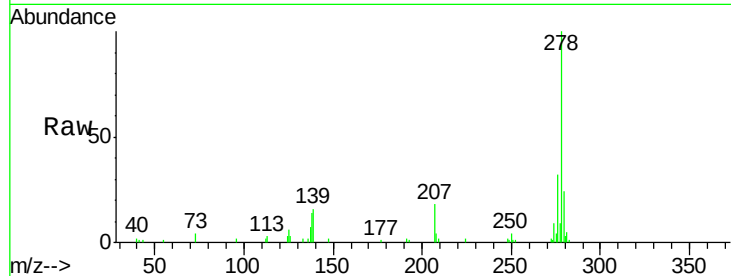
Tgt Ion:278 Resp: 53864

Ion Ratio Lower Upper

278 100

139 16.5 13.4 20.0

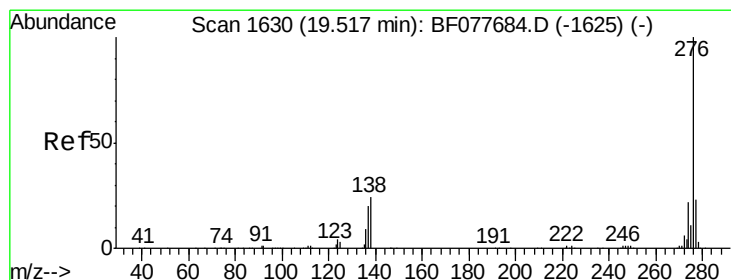
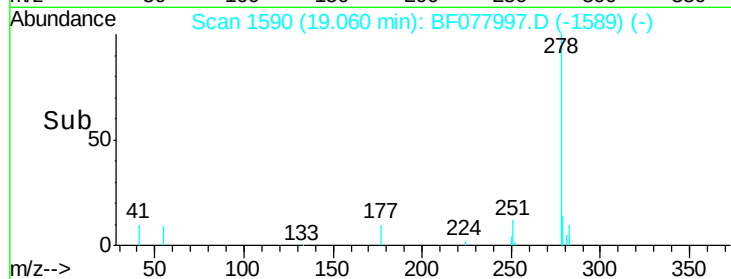
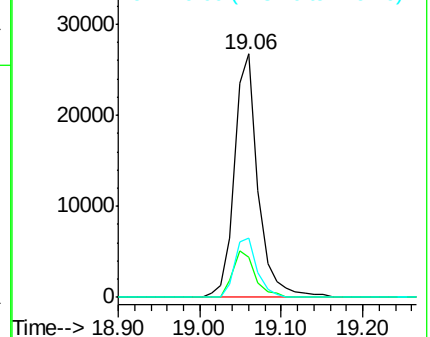
279 24.3 19.0 28.4



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(g,h,i)perylene

Concen: 6.45 ng

RT: 19.43 min Scan# 1622

Delta R.T. -0.29 min

Lab File: BF077997.D

Acq: 26 Mar 2015 16:07

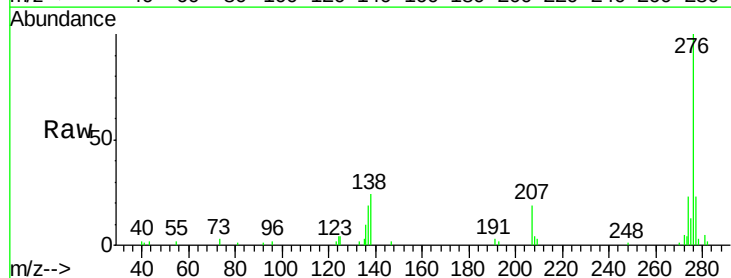
Tgt Ion:276 Resp: 55232

Ion Ratio Lower Upper

276 100

277 22.7 18.5 27.7

138 24.0 19.0 28.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

