

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061915\
 Data File : BF080075.D
 Acq On : 20 Jun 2015 2:09
 Operator : TP/IZ
 Sample : G2653-03
 Misc : LOD-SVOC-SOIL-8PPM
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Quant Time: Jun 20 04:05:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 17 16:41:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	43368	20.00	ng	-0.01
21) Naphthalene-d8	8.62	136	181465	20.00	ng	-0.01
38) Acenaphthene-d10	10.39	164	98606	20.00	ng	-0.01
63) Phenanthrene-d10	11.90	188	203943	20.00	ng	-0.01
75) Chrysene-d12	14.77	240	240138	20.00	ng	-0.09
86) Perylene-d12	16.60	264	220237	20.00	ng	-0.15

System Monitoring Compounds						
5) 2-Fluorophenol	5.94	112	307924	125.69	ng	0.00
7) Phenol-d6	6.93	99	371173	113.85	ng	-0.01
23) Nitrobenzene-d5	7.89	82	240390	77.12	ng	-0.01
41) 2,4,6-Tribromophenol	11.19	330	118247	122.64	ng	-0.01
44) 2-Fluorobiphenyl	9.69	172	477472	69.05	ng	-0.01
78) Terphenyl-d14	13.54	244	705372	68.60	ng	-0.05

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.25	88	5730	4.92	ng	92
3) Pyridine	4.12	79	14541	4.70	ng	90
4) n-Nitrosodimethylamine	3.98	42	8085	5.49	ng	# 97
6) Aniline	6.98	93	15260	3.40	ng	93
8) 2-Chlorophenol	7.11	128	18440	6.51	ng	88
9) Benzaldehyde	6.88	77	13331	7.08	ng	91
10) Phenol	6.94	94	20485	5.76	ng	# 27
11) bis(2-Chloroethyl)ether	7.04	93	15901	5.63	ng	89
12) 1,3-Dichlorobenzene	7.51	146	18313	5.38	ng	96
13) 1,4-Dichlorobenzene	7.51	146	18314	5.66	ng	97
14) 1,2-Dichlorobenzene	7.51	146	18314	5.82	ng	99
15) Benzyl Alcohol	7.45	79	10888	4.08	ng	# 73
16) 2,2'-oxybis(1-Chloropropan	7.59	45	27520	6.57	ng	85
17) 2-Methylphenol	7.56	107	14200	5.87	ng	# 81
18) Hexachloroethane	7.85	117	6609	6.14	ng	# 85
19) n-Nitroso-di-n-propylamine	7.72	70	12141	5.36	ng	# 77
20) 3+4-Methylphenols	7.72	107	18095	5.80	ng	# 88
22) Acetophenone	7.73	105	26761	6.33	ng	# 84
24) Nitrobenzene	7.90	77	18392	5.72	ng	# 60
25) Isophorone	8.14	82	35042	5.59	ng	# 85
26) 2-Nitrophenol	8.23	139	7536	5.60	ng	# 79
27) 2,4-Dimethylphenol	8.25	122	17180	6.12	ng	# 74
28) bis(2-Chloroethoxy)methane	8.34	93	23214	6.30	ng	# 92
29) 2,4-Dichlorophenol	8.47	162	14369	5.98	ng	98
30) 1,2,4-Trichlorobenzene	8.56	180	17785	6.51	ng	99
31) Naphthalene	8.64	128	59027	6.22	ng	98
32) Benzoic acid	8.25	122	17180	10.12	ng	# 26
33) 4-Chloroaniline	8.68	127	13784	3.39	ng	# 86
34) Hexachlorobutadiene	8.77	225	9790	5.82	ng	96
35) Caprolactam	9.00	113	3714	4.76	ng	# 73
36) 4-Chloro-3-methylphenol	9.14	107	15291	5.64	ng	# 78
37) 2-Methylnaphthalene	9.34	142	40867	6.66	ng	# 95
39) 1,2,4,5-Tetrachlorobenzene	9.51	216	17727	6.18	ng	97
40) Hexachlorocyclopentadiene	9.50	237	5360	9.59	ng	90

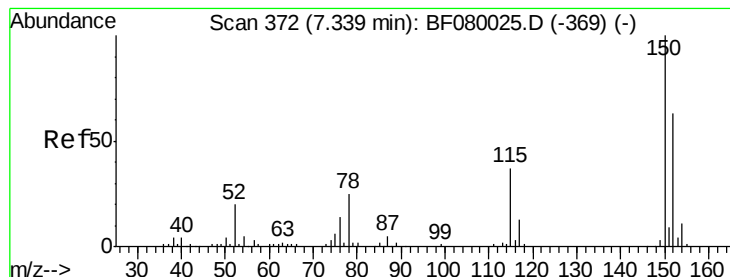
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.61	196	10611	5.43	ng	97
43) 2,4,5-Trichlorophenol	9.65	196	11490	5.11	ng #	94
45) 1,1'-Biphenyl	9.80	154	44972	5.61	ng	92
46) 2-Chloronaphthalene	9.83	162	37809	5.81	ng	94
47) 2-Nitroaniline	9.91	65	7864	4.40	ng #	61
48) Acenaphthylene	10.25	152	62055	5.71	ng	98
49) Dimethylphthalate	10.08	163	43108	5.81	ng #	97
50) 2,6-Dinitrotoluene	10.15	165	7987	5.37	ng #	71
51) Acenaphthene	10.42	154	36845	5.54	ng	91
52) 3-Nitroaniline	10.32	138	8008	4.67	ng #	63
53) 2,4-Dinitrophenol	10.44	184	1298	7.82	ng #	1
54) Dibenzofuran	10.60	168	57218	6.07	ng #	89
55) 4-Nitrophenol	10.47	139	5176	3.78	ng #	58
56) 2,4-Dinitrotoluene	10.56	165	9261	4.91	ng #	91
57) Fluorene	10.94	166	42551	5.69	ng	97
58) 2,3,4,6-Tetrachlorophenol	10.71	232	9986	5.26	ng #	98
59) Diethylphthalate	10.79	149	48500	6.50	ng	99
60) 4-Chlorophenyl-phenylether	10.93	204	21975	6.11	ng	90
61) 4-Nitroaniline	10.94	138	8460	4.78	ng #	65
62) Azobenzene	11.09	77	43215	5.69	ng	88
64) 4,6-Dinitro-2-methylphenol	10.97	198	3199	7.35	ng	81
65) n-Nitrosodiphenylamine	11.04	169	40068	6.03	ng	94
66) 4-Bromophenyl-phenylether	11.43	248	12146	5.60	ng #	82
67) Hexachlorobenzene	11.51	284	13300	5.52	ng #	77
68) Atrazine	11.56	200	11209	5.34	ng	85
69) Pentachlorophenol	11.69	266	5064	3.71	ng	97
70) Phenanthrene	11.92	178	71453	5.79	ng	97
71) Anthracene	11.97	178	69350	5.83	ng	99
72) Carbazole	12.12	167	61925	5.46	ng	95
73) Di-n-butylphthalate	12.44	149	60116	4.58	ng #	98
74) Fluoranthene	13.16	202	74487	5.66	ng	88
76) Benzidine	13.27	184	11961	1.78	ng #	92
77) Pyrene	13.41	202	76871	5.20	ng	97
79) Butylbenzylphthalate	14.07	149	23838	4.01	ng #	94
80) Benzo(a)anthracene	14.76	228	78663	5.38	ng	99
81) 3,3'-Dichlorobenzidine	14.70	252	15883	3.15	ng #	93
82) Chrysene	14.80	228	73773	5.47	ng	96
83) Bis(2-ethylhexyl)phthalate	14.72	149	40657	4.33	ng #	89
84) Di-n-octyl phthalate	15.49	149	56613	3.52	ng	100
85) Indeno(1,2,3-cd)pyrene	18.43	276	74049	4.35	ng #	88
87) Benzo(b)fluoranthene	16.06	252	70116	5.26	ng #	85
88) Benzo(k)fluoranthene	16.09	252	76119	5.61	ng #	87
89) Benzo(a)pyrene	16.52	252	66223	5.23	ng #	83
90) Dibenzo(a,h)anthracene	18.45	278	62603	4.83	ng #	82
91) Benzo(g,h,i)perylene	18.99	276	63240	4.83	ng #	74

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF080075.D

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LOD-SOIL2015-01

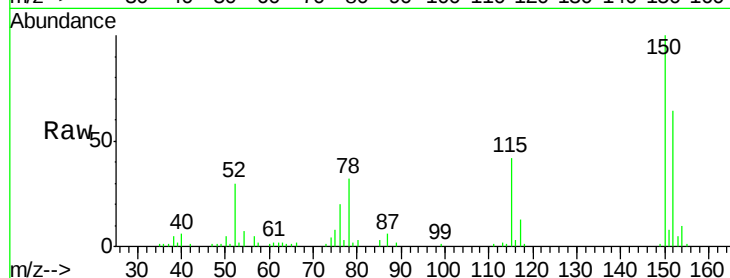
Tgt Ion:152 Resp: 43368

Ion Ratio Lower Upper

152 100

150 156.8 124.7 187.1

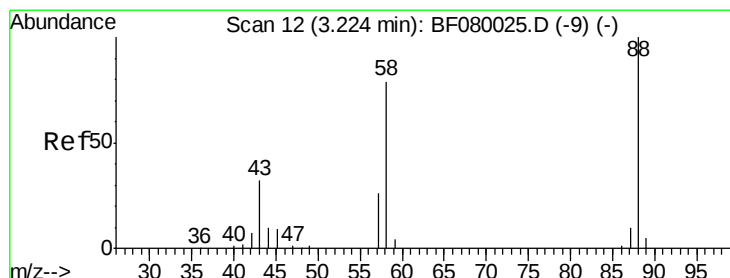
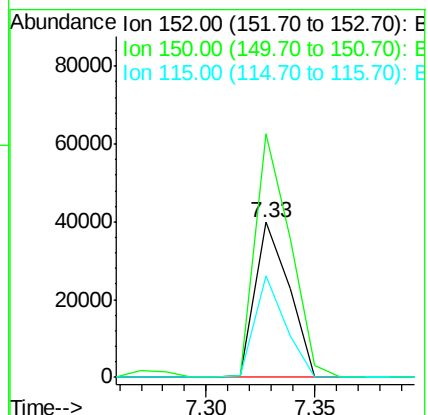
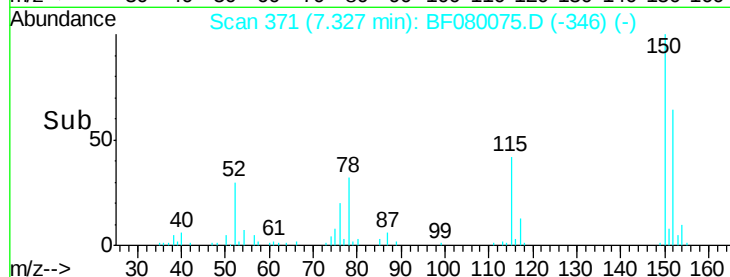
115 65.7 39.0 58.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.92 ng

RT: 3.25 min Scan# 14

Delta R.T. 0.02 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

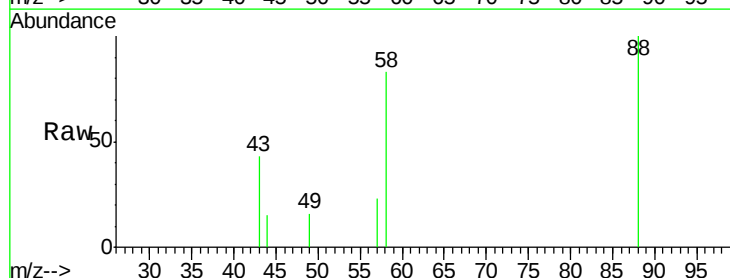
Tgt Ion: 88 Resp: 5730

Ion Ratio Lower Upper

88 100

58 90.0 77.7 116.5

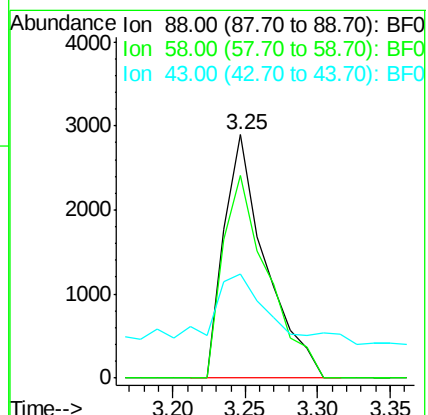
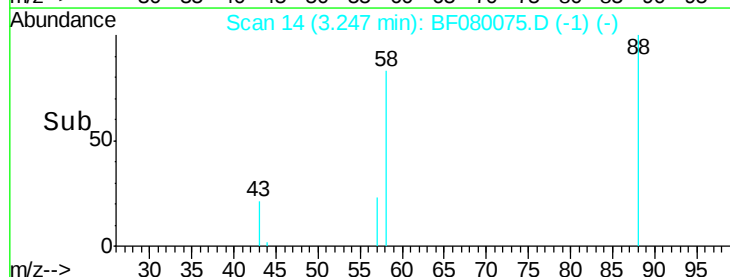
43 39.2 26.6 40.0

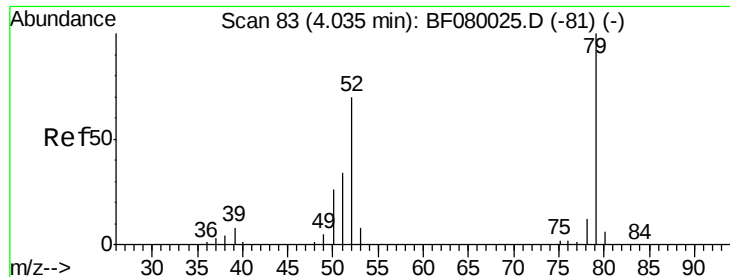


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 4.70 ng

RT: 4.12 min Scan# 90

Delta R.T. 0.09 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

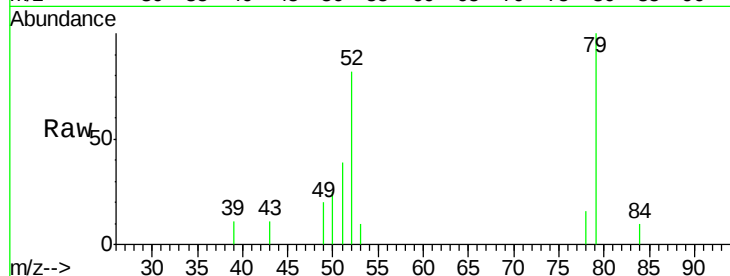
Tgt Ion: 79 Resp: 14541

Ion Ratio Lower Upper

79 100

52 82.4 76.8 115.2

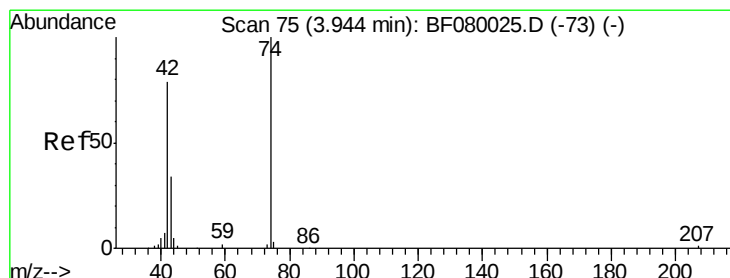
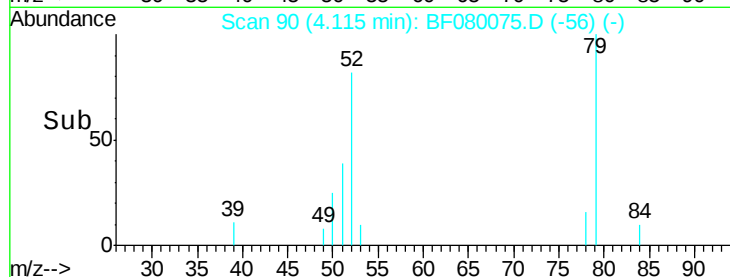
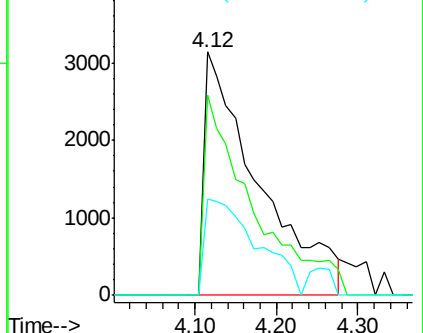
51 39.4 32.2 48.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 5.49 ng

RT: 3.98 min Scan# 78

Delta R.T. 0.03 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

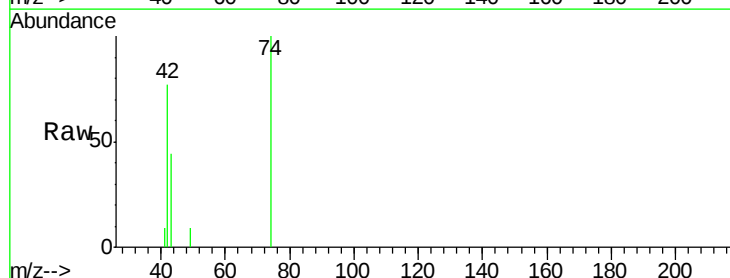
Tgt Ion: 42 Resp: 8085

Ion Ratio Lower Upper

42 100

74 129.5 105.0 157.6

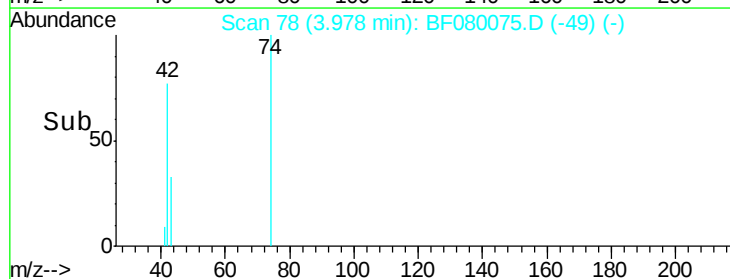
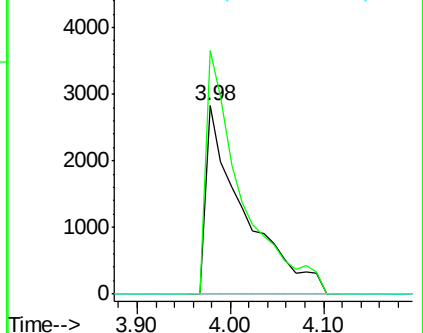
44 0.0 6.6 10.0#

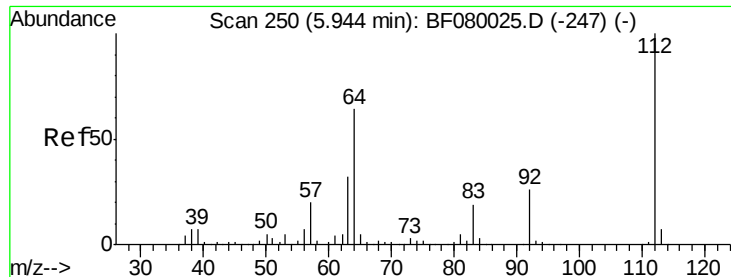


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 125.69 ng

RT: 5.94 min Scan# 250

Delta R.T. 0.00 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

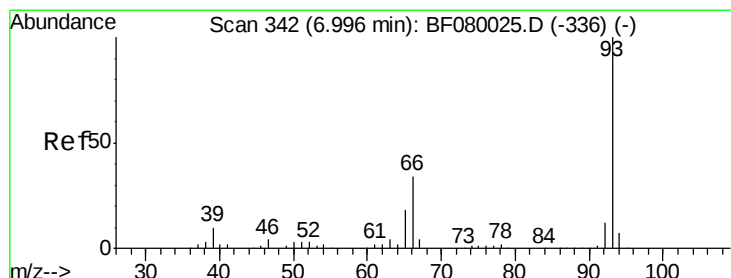
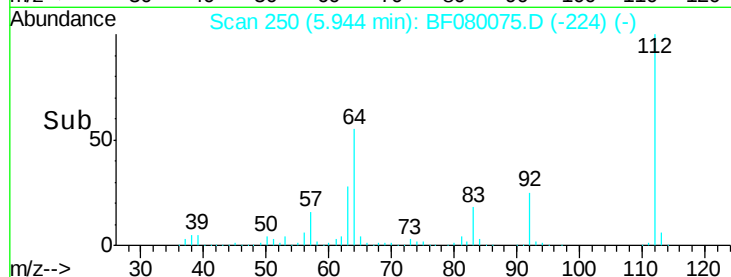
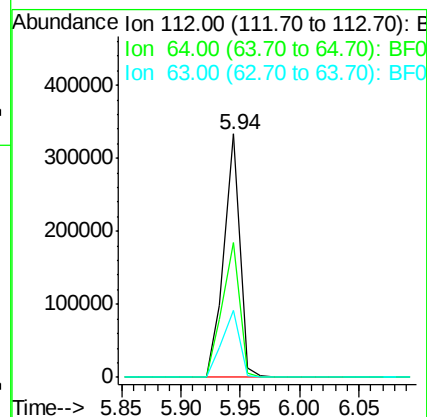
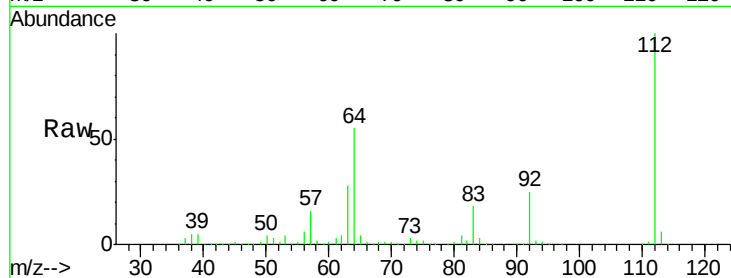
Instrument :

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Tgt Ion:	112	Resp:	307924
Ion Ratio	Lower	Upper	
112	100		
64	55.3	39.7	59.5
63	27.7	17.4	26.0#



#6

Aniline

Concen: 3.40 ng

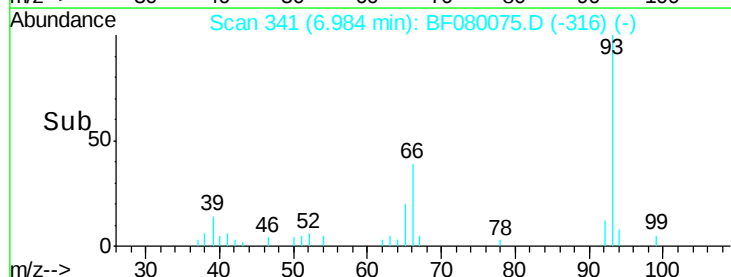
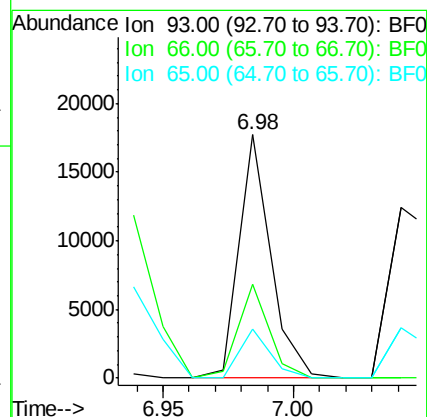
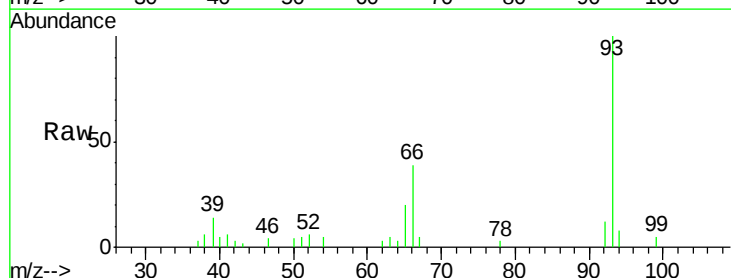
RT: 6.98 min Scan# 341

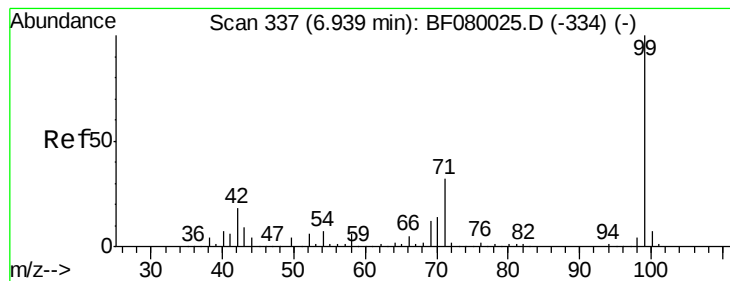
Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Tgt Ion:	93	Resp:	15260
Ion Ratio	Lower	Upper	
93	100		
66	38.7	27.2	40.8
65	20.2	14.7	22.1





#7

Phenol-d6

Concen: 113.85 ng

RT: 6.93 min Scan# 336

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

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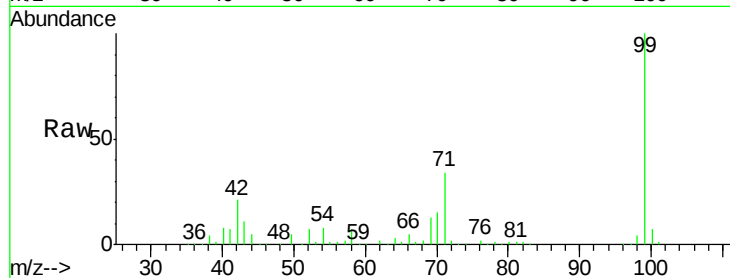
Tgt Ion: 99 Resp: 371173

Ion Ratio Lower Upper

99 100

42 21.3 13.7 20.5#

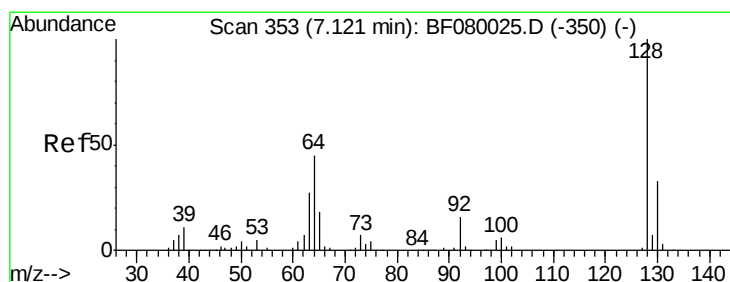
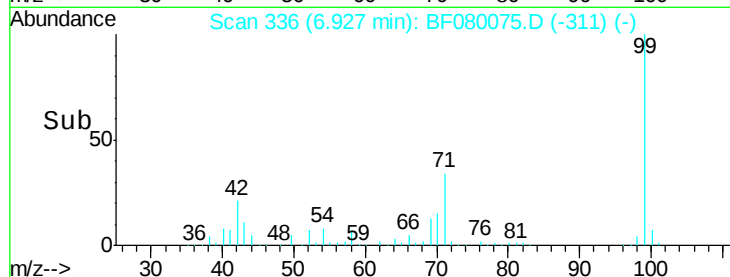
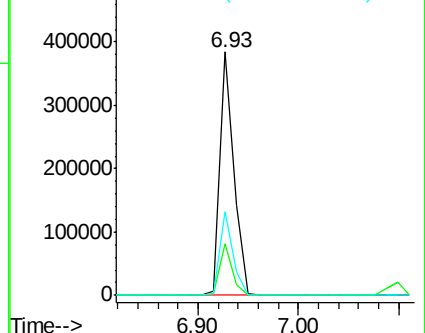
71 34.4 14.2 21.2#



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: 6.51 ng

RT: 7.11 min Scan# 352

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

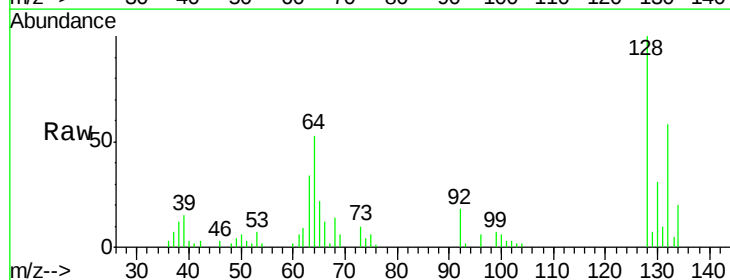
Tgt Ion: 128 Resp: 18440

Ion Ratio Lower Upper

128 100

130 31.1 12.2 52.2

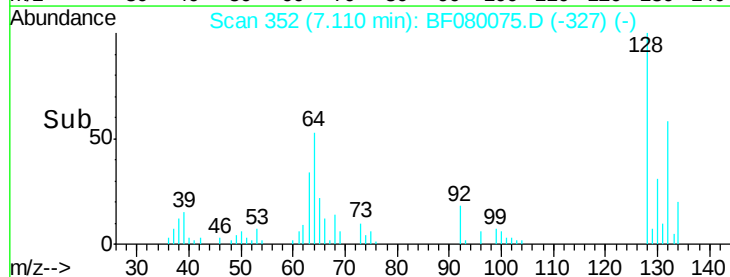
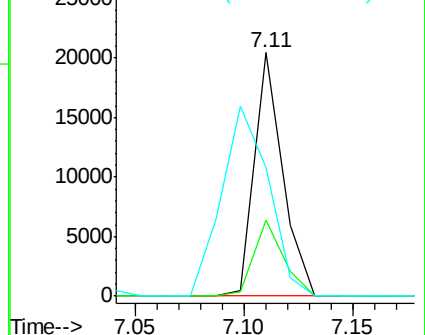
64 52.9 20.5 60.5

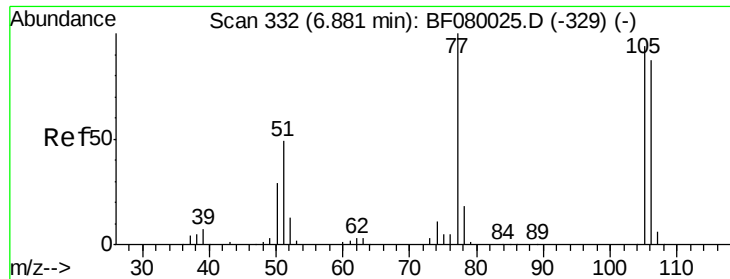


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 7.08 ng

RT: 6.88 min Scan# 332

Delta R.T. -0.00 min

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Acq: 20 Jun 2015 2:09

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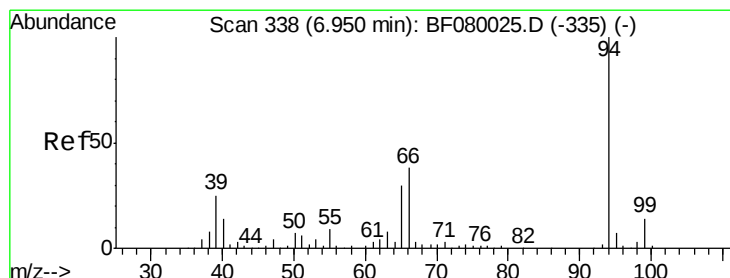
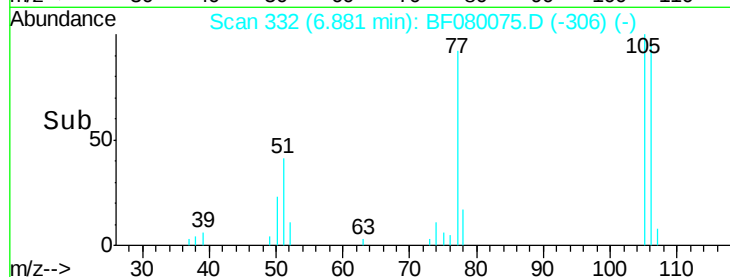
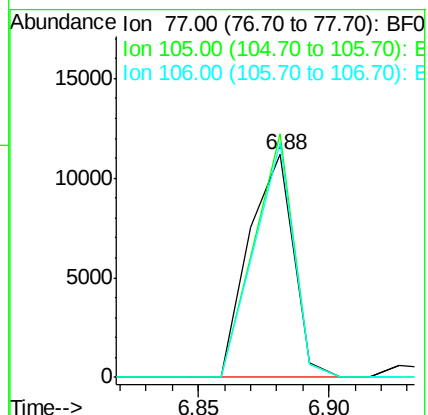
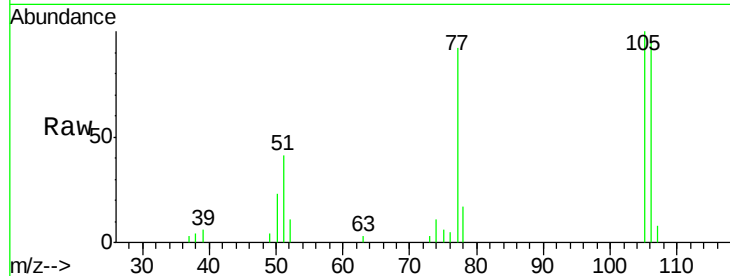
Tgt Ion: 77 Resp: 13331

Ion Ratio Lower Upper

77 100

105 109.2 91.6 131.6

106 105.2 102.6 142.6



#10

Phenol

Concen: 5.76 ng

RT: 6.94 min Scan# 337

Delta R.T. -0.02 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

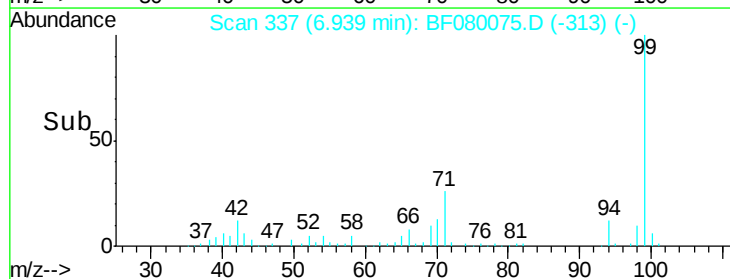
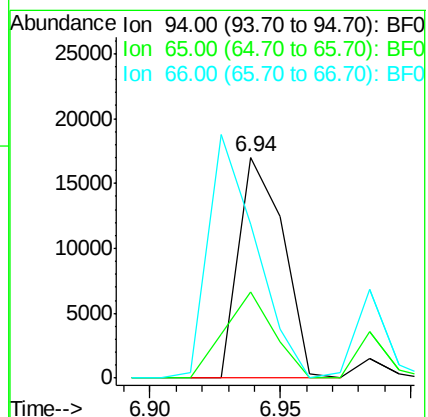
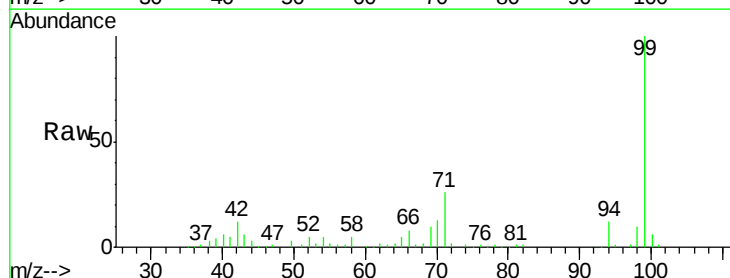
Tgt Ion: 94 Resp: 20485

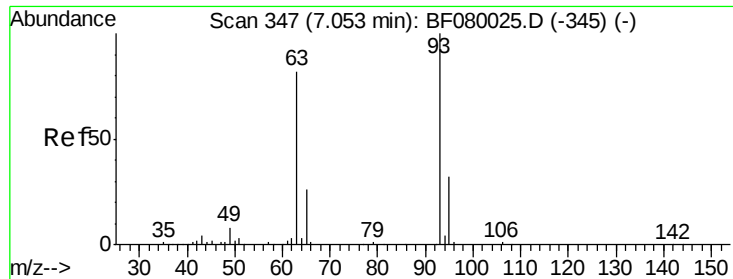
Ion Ratio Lower Upper

94 100

65 39.3 0.7 40.7

66 69.9 0.8 40.8#

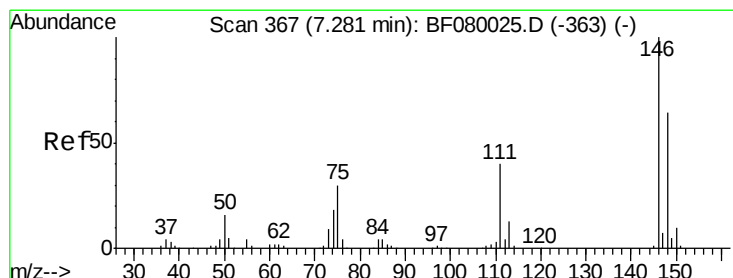
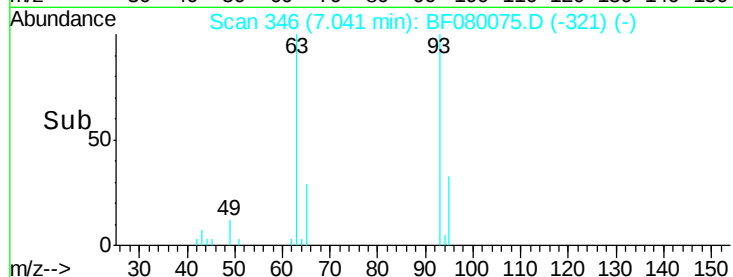
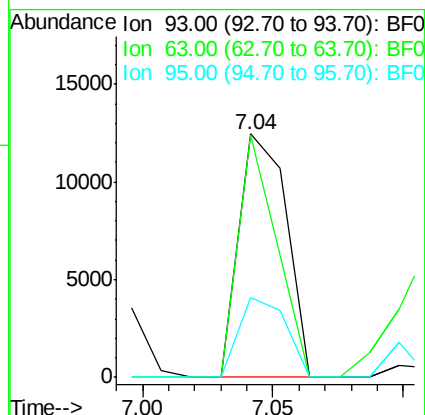
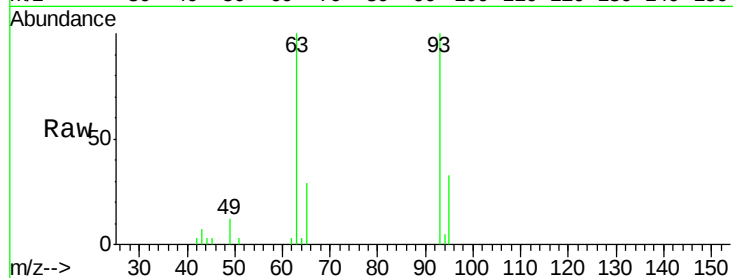




#11
bis(2-Chloroethyl)ether
Concen: 5.63 ng
RT: 7.04 min Scan# 346
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

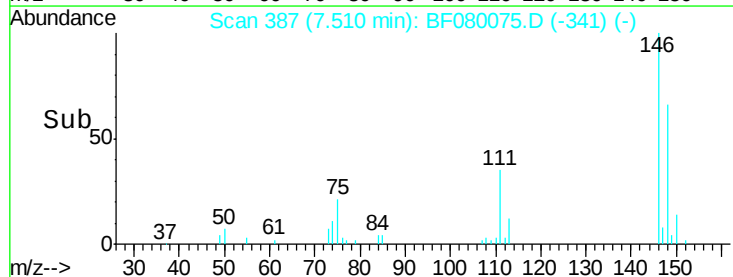
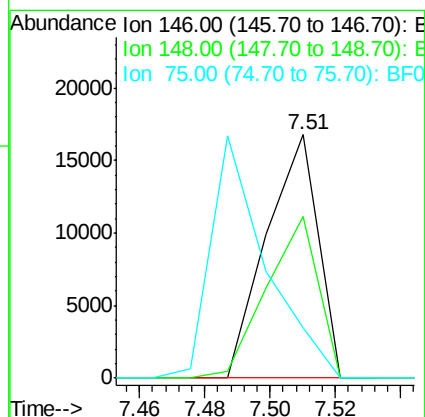
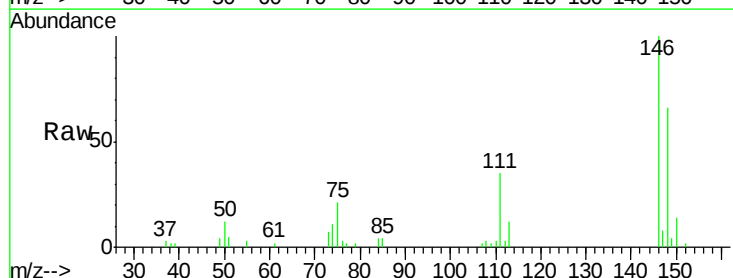
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

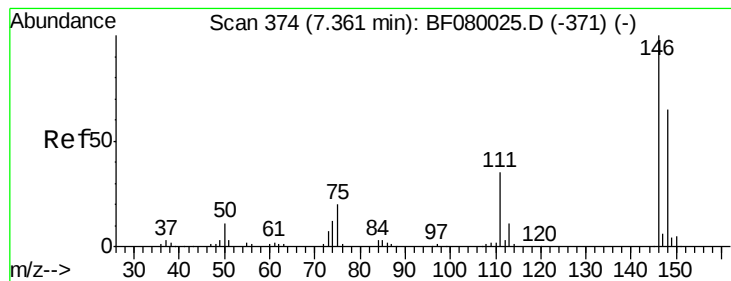
Tgt Ion: 93 Resp: 15901
Ion Ratio Lower Upper
93 100
63 99.7 65.6 105.6
95 32.7 13.6 53.6



#12
1,3-Dichlorobenzene
Concen: 5.38 ng
RT: 7.51 min Scan# 387
Delta R.T. 0.23 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion: 146 Resp: 18313
Ion Ratio Lower Upper
146 100
148 66.4 51.0 76.4
75 20.8 15.0 22.6





#13

1,4-Dichlorobenzene

Concen: 5.66 ng

RT: 7.51 min Scan# 387

Delta R.T. 0.15 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

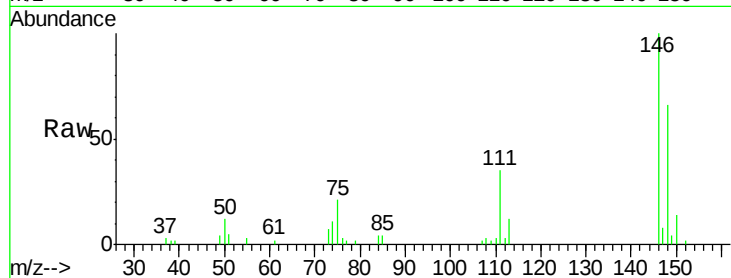
Tgt Ion:146 Resp: 18314

Ion Ratio Lower Upper

146 100

148 66.4 51.8 77.6

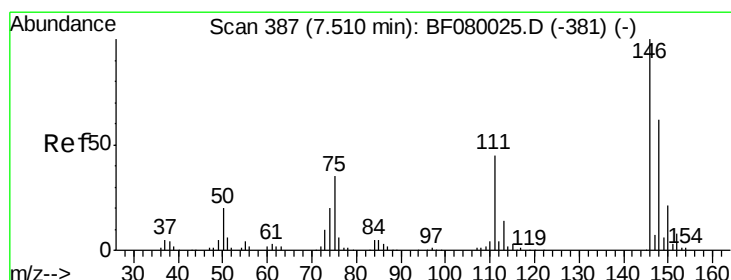
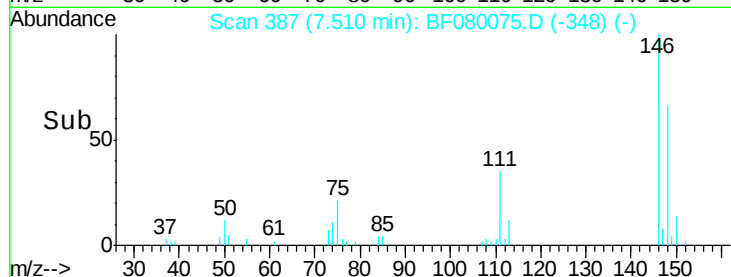
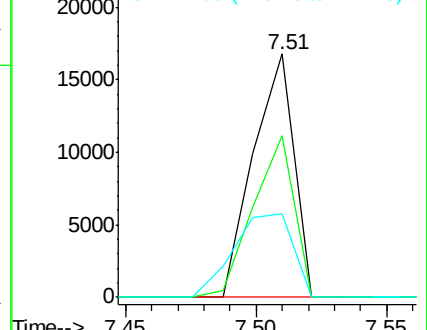
111 34.6 24.9 37.3



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 5.82 ng

RT: 7.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

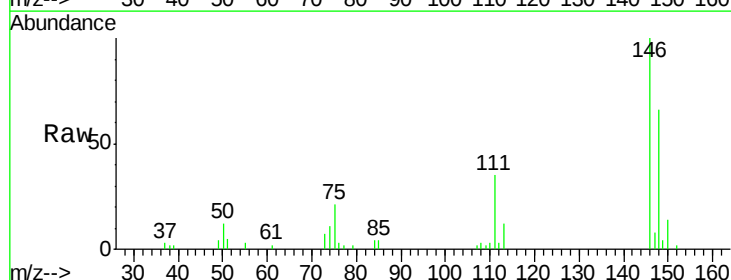
Tgt Ion:146 Resp: 18314

Ion Ratio Lower Upper

146 100

148 66.4 52.7 79.1

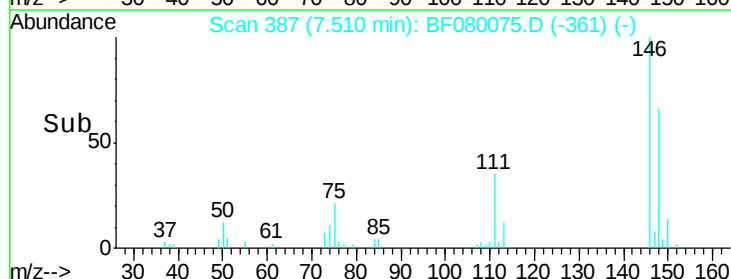
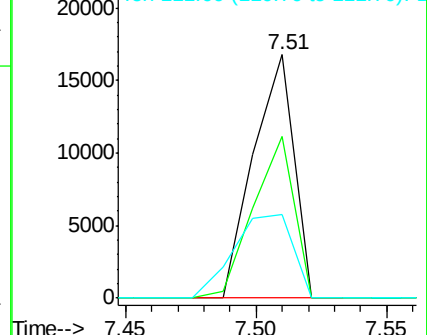
111 34.6 28.8 43.2

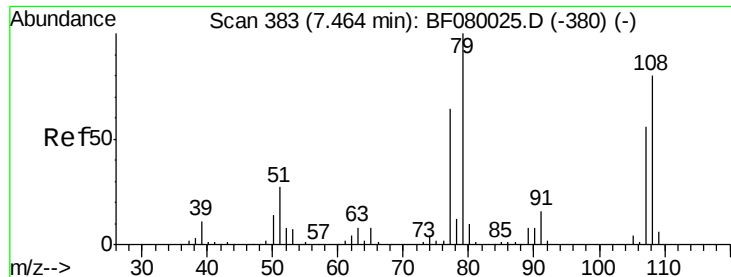


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 4.08 ng

RT: 7.45 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

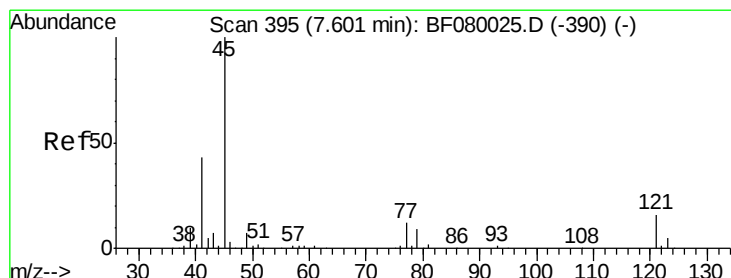
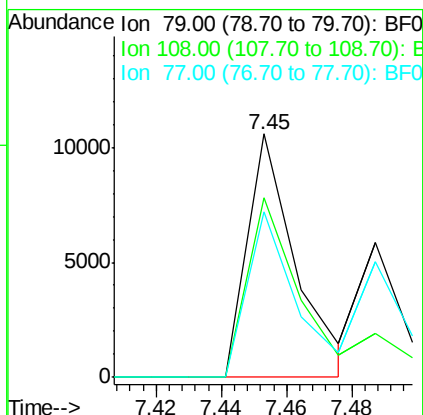
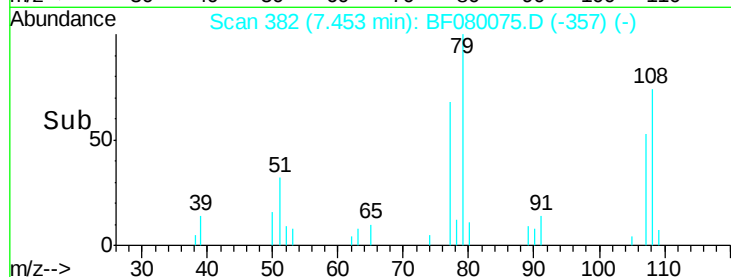
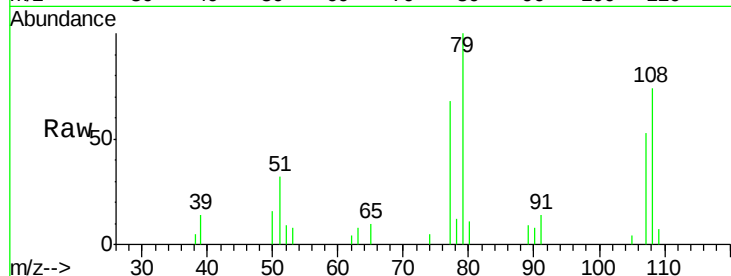
Tgt Ion: 79 Resp: 10888

Ion Ratio Lower Upper

79 100

108 73.7 88.6 132.8#

77 67.7 47.0 70.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 6.57 ng

RT: 7.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

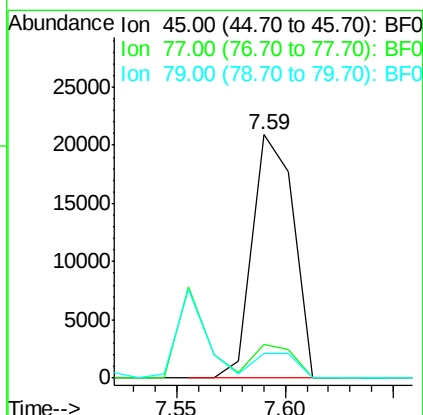
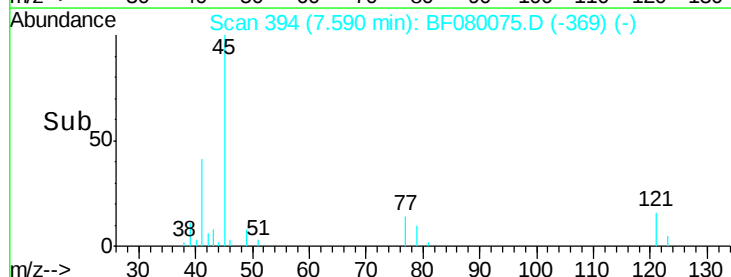
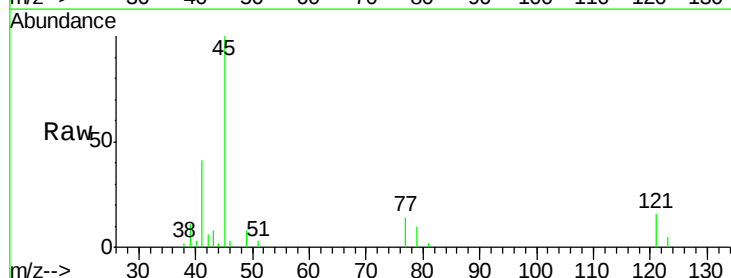
Tgt Ion: 45 Resp: 27520

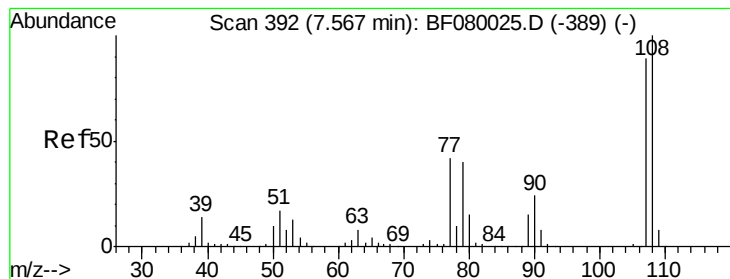
Ion Ratio Lower Upper

45 100

77 14.1 0.0 28.1

79 10.4 0.0 26.0

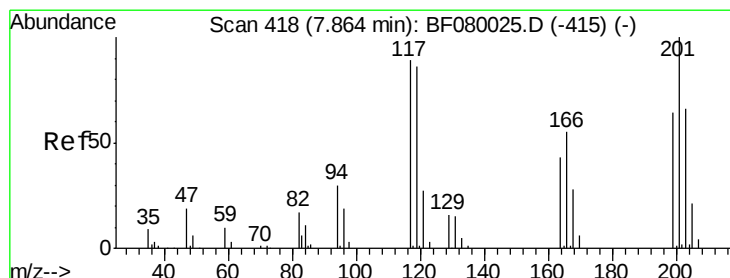
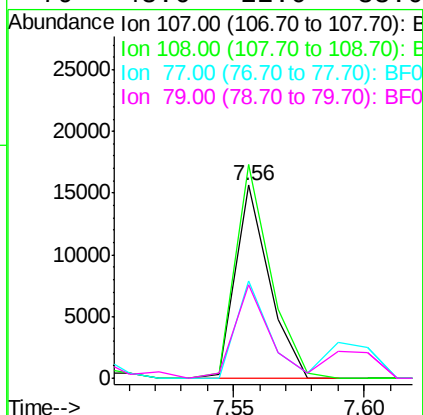
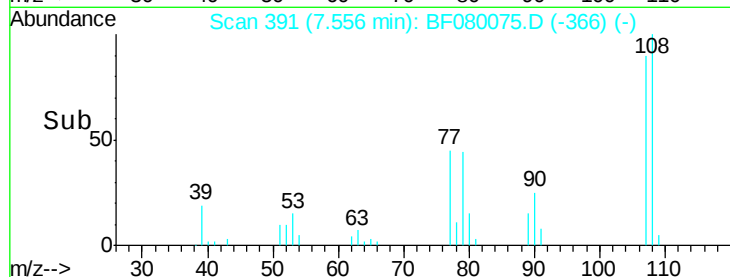
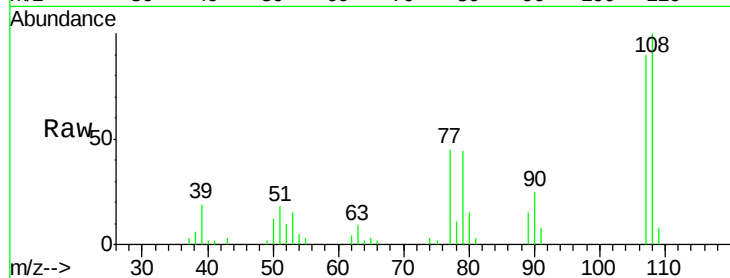




#17
2-Methylphenol
Concen: 5.87 ng
RT: 7.56 min Scan# 391
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

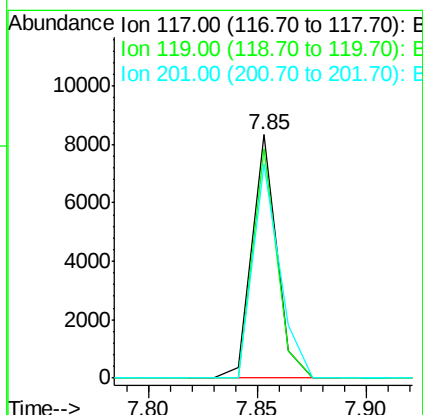
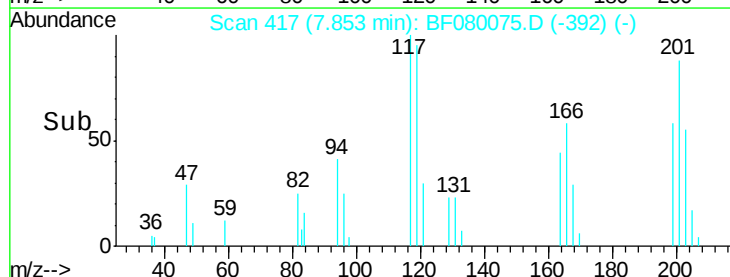
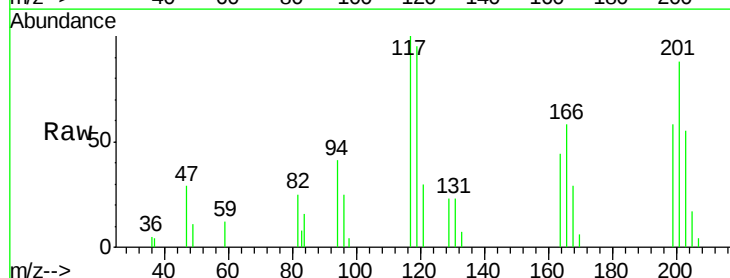
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

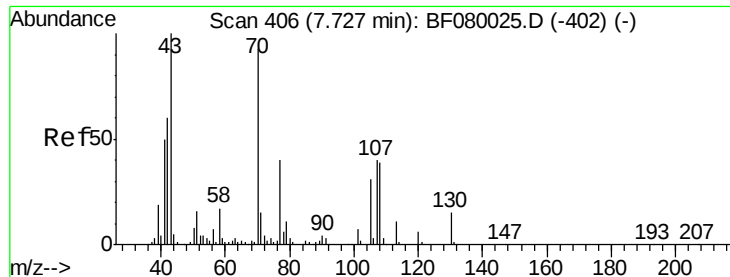
Tgt Ion:107 Resp: 14200
Ion Ratio Lower Upper
107 100
108 110.9 96.6 145.0
77 50.3 23.3 34.9#
79 48.6 22.0 33.0#



#18
Hexachloroethane
Concen: 6.14 ng
RT: 7.85 min Scan# 417
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion:117 Resp: 6609
Ion Ratio Lower Upper
117 100
119 94.5 83.8 125.6
201 87.8 55.1 82.7#

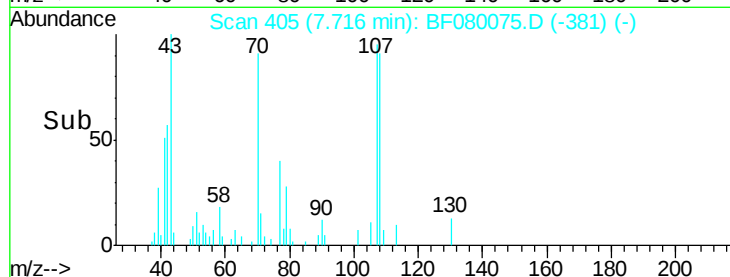
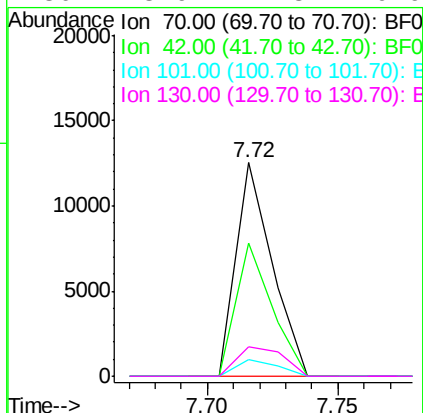
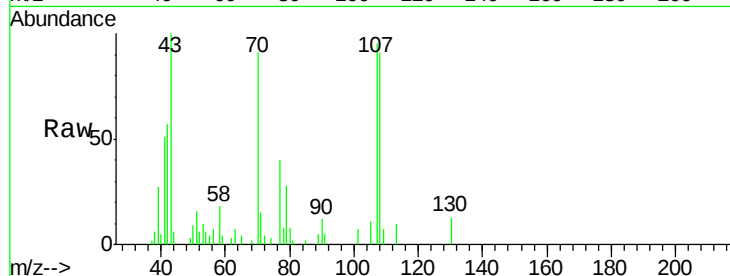




#19
n-Nitroso-di-n-propylamine
Concen: 5.36 ng
RT: 7.72 min Scan# 405
Delta R.T. -0.02 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

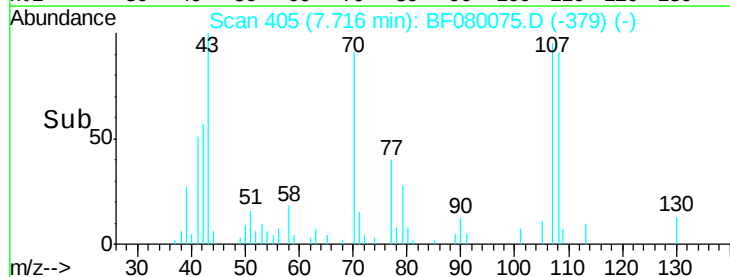
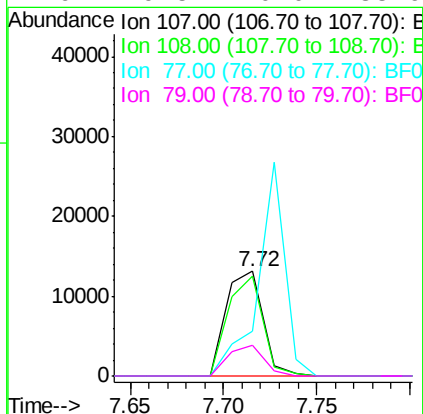
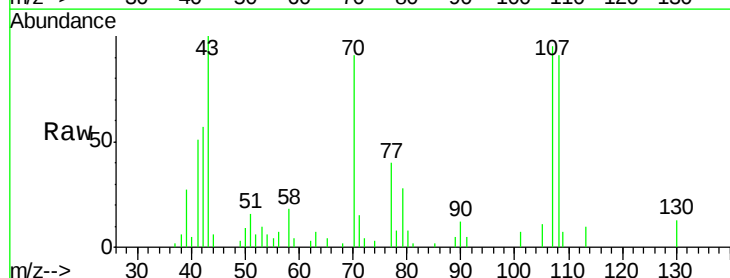
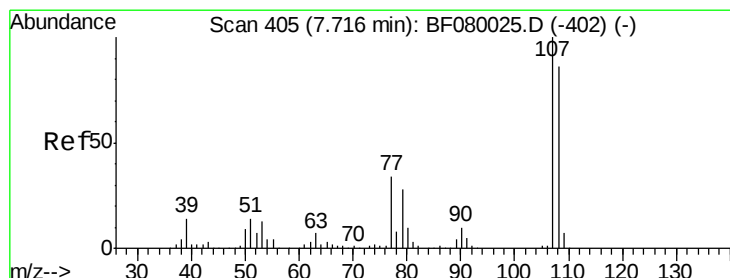
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

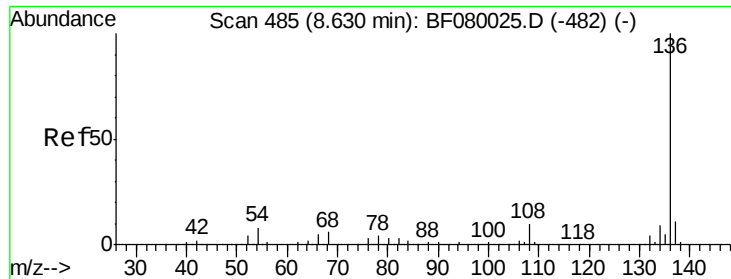
Tgt Ion: 70 Resp: 12141
Ion Ratio Lower Upper
70 100
42 62.6 63.8 95.6#
101 7.5 9.2 13.8#
130 13.9 27.3 40.9#



#20
3+4-Methylphenols
Concen: 5.80 ng
RT: 7.72 min Scan# 405
Delta R.T. -0.00 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion: 107 Resp: 18095
Ion Ratio Lower Upper
107 100
108 95.9 74.6 114.6
77 42.5 0.7 40.7#
79 29.5 0.0 38.9

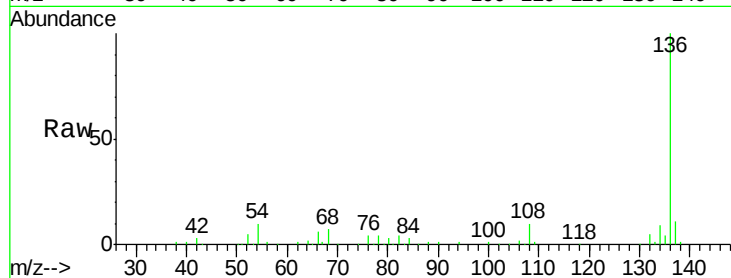




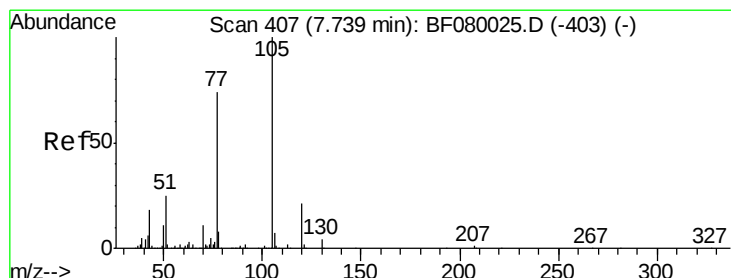
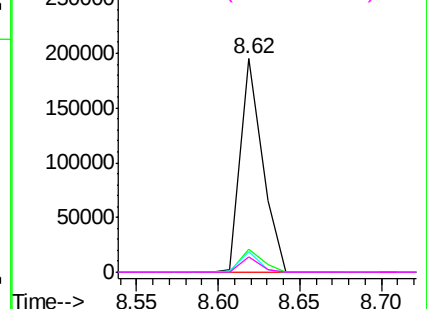
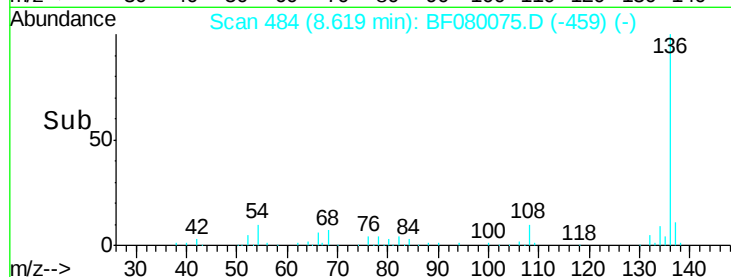
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.62 min Scan# 484
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:	136	Resp:	181465
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.6
54	9.6	8.2	12.2
68	7.0	5.8	8.6

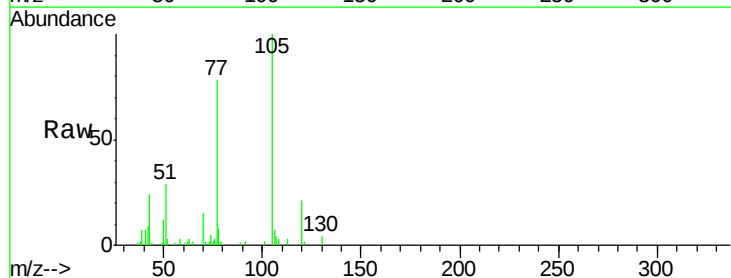


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

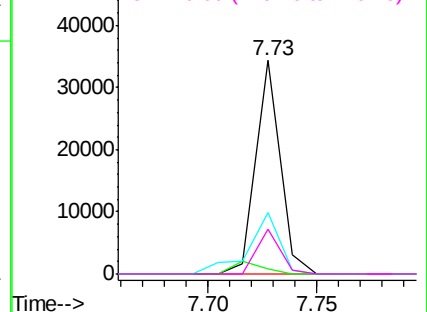
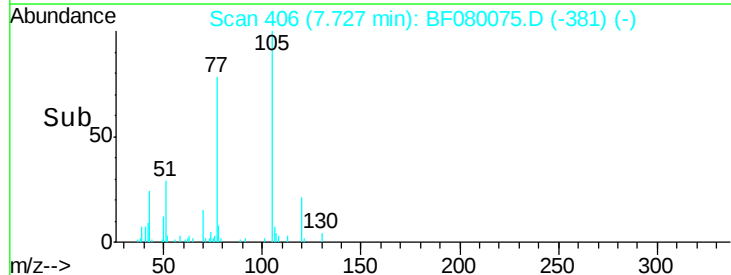


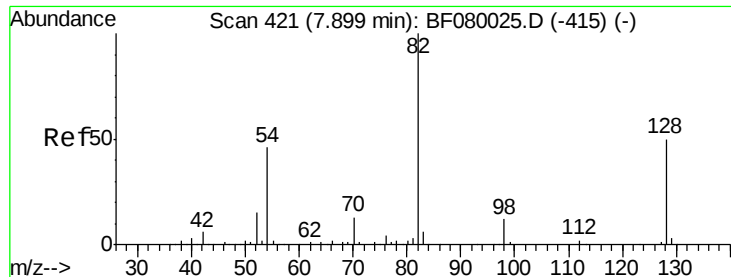
#22
Acetophenone
Concen: 6.33 ng
RT: 7.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion:	105	Resp:	26761
Ion Ratio	Lower	Upper	
105	100		
71	2.5	4.7	7.1#
51	28.8	22.0	33.0
120	21.1	30.1	45.1#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E

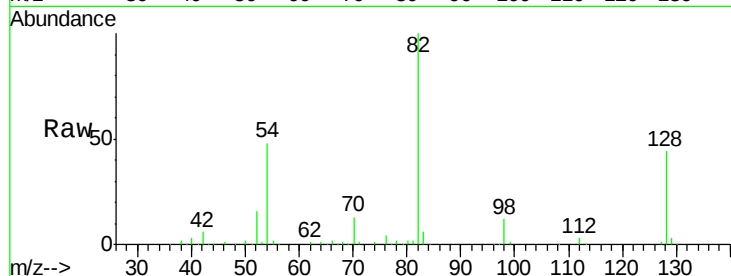




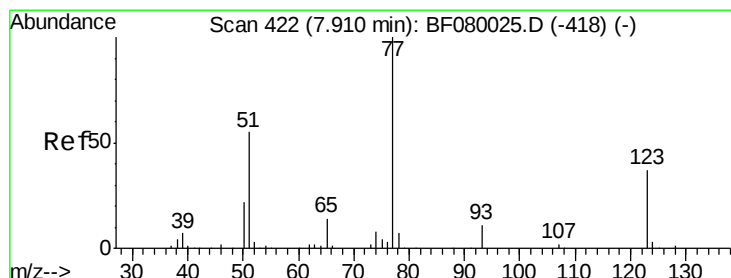
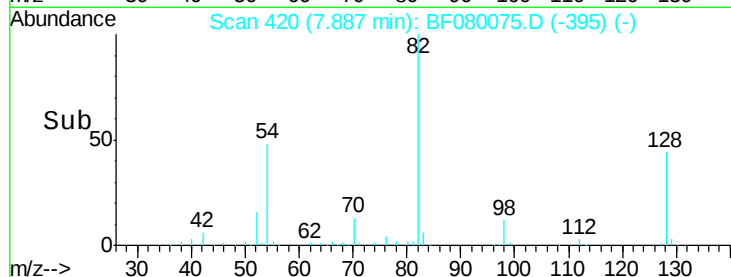
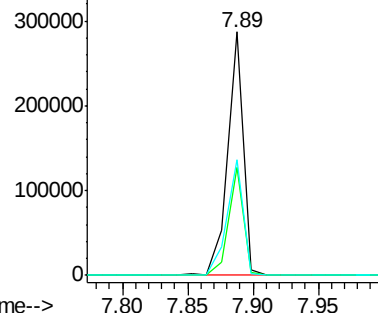
#23
Nitrobenzene-d5
Concen: 77.12 ng
RT: 7.89 min Scan# 420
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.2	51.0	76.6#
54	47.6	47.5	71.3

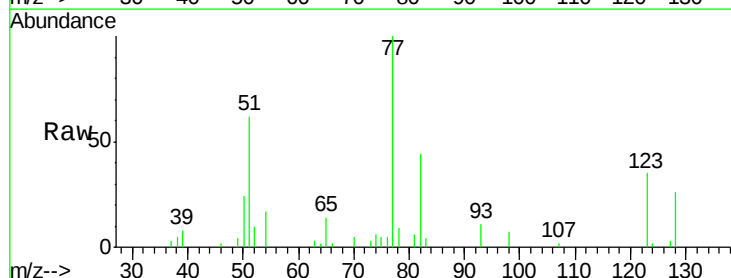


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

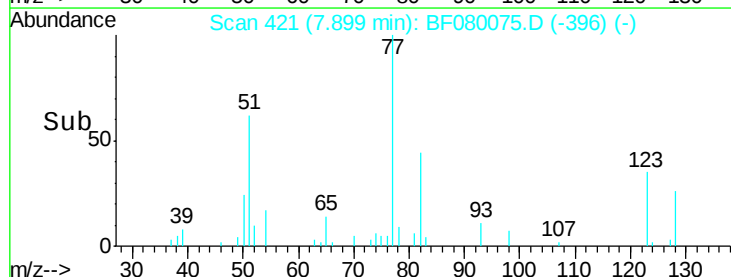
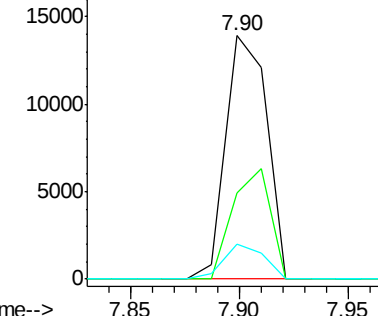


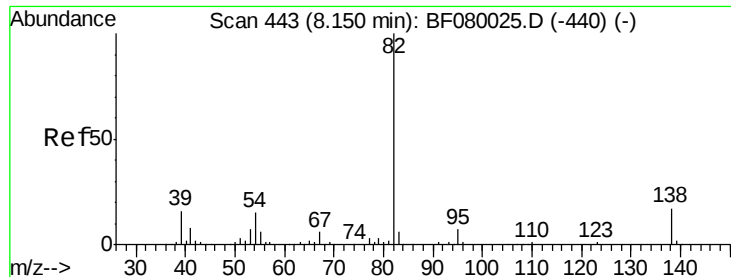
#24
Nitrobenzene
Concen: 5.72 ng
RT: 7.90 min Scan# 421
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion	Ratio	Lower	Upper
77	100		
123	35.2	59.8	89.8#
65	14.4	10.2	15.4



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: 5.59 ng

RT: 8.14 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

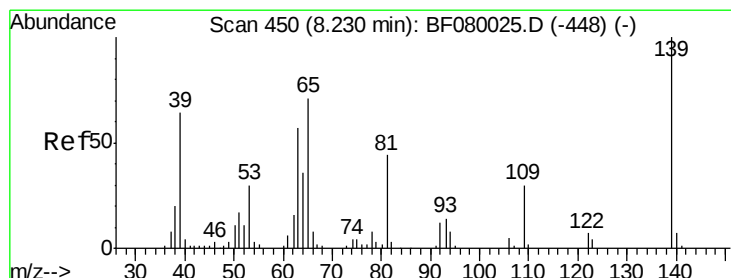
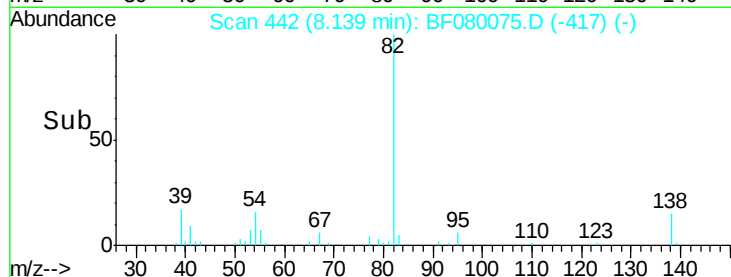
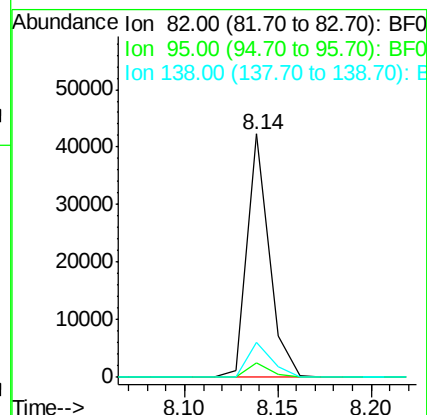
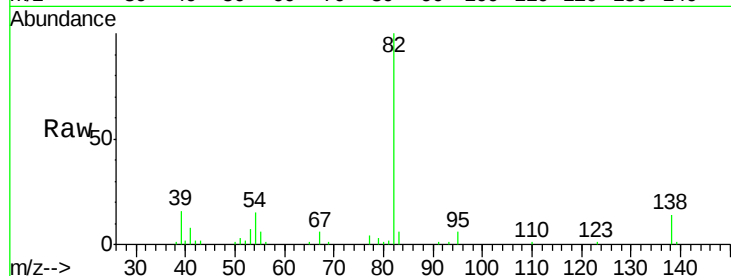
Tgt Ion: 82 Resp: 35042

Ion Ratio Lower Upper

82 100

95 5.8 4.0 6.0

138 14.5 18.3 27.5#



#26

2-Nitrophenol

Concen: 5.60 ng

RT: 8.23 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

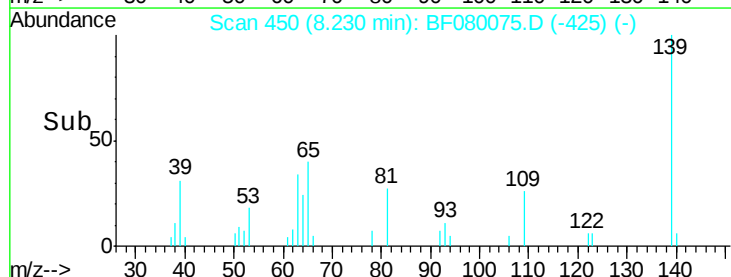
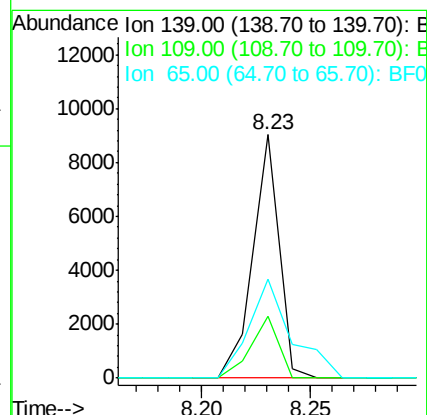
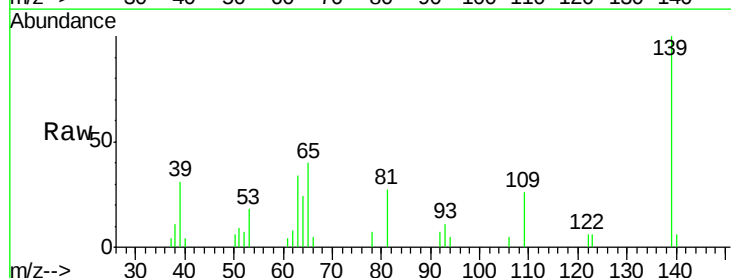
Tgt Ion: 139 Resp: 7536

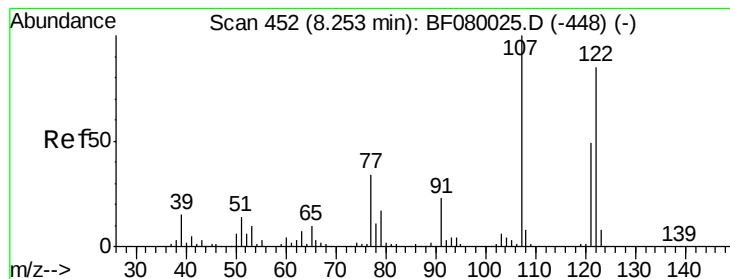
Ion Ratio Lower Upper

139 100

109 25.5 11.0 16.4#

65 40.5 24.7 37.1#





#27

2,4-Dimethylphenol

Concen: 6.12 ng

RT: 8.25 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

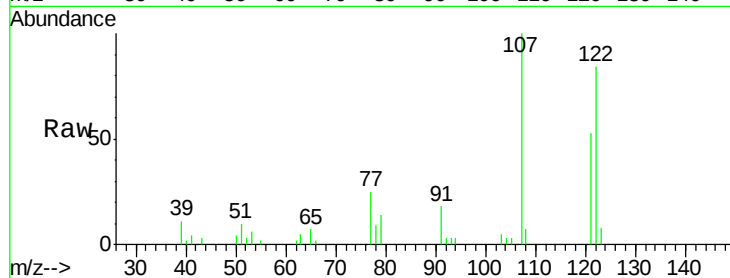
Tgt Ion: 122 Resp: 17180

Ion Ratio Lower Upper

122 100

107 119.6 71.8 107.6#

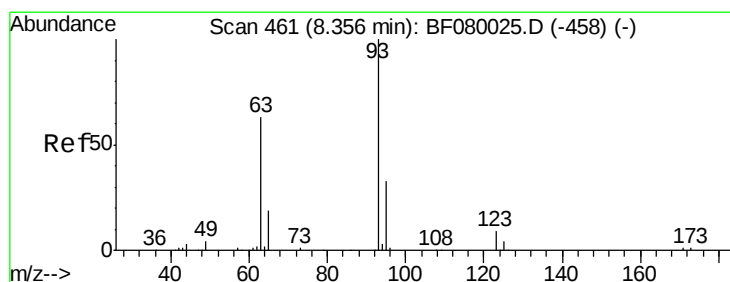
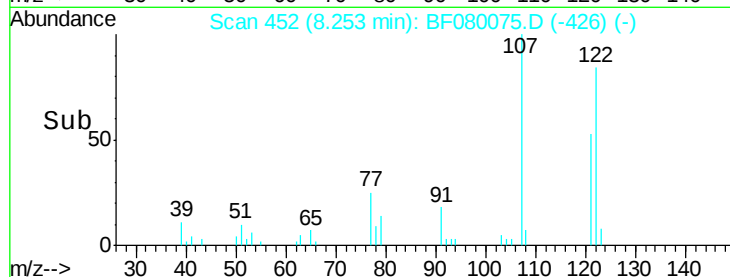
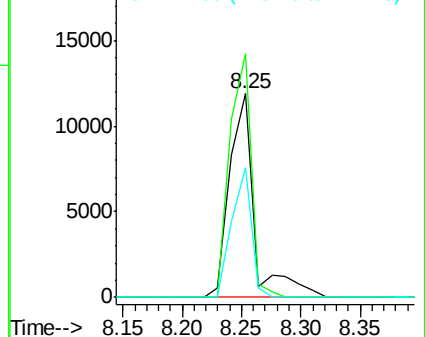
121 63.7 42.3 63.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 6.30 ng

RT: 8.34 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

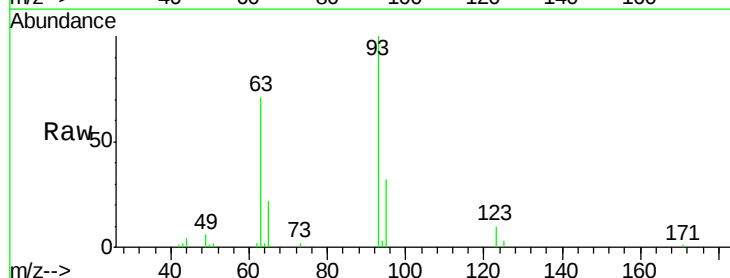
Tgt Ion: 93 Resp: 23214

Ion Ratio Lower Upper

93 100

95 31.9 27.5 41.3

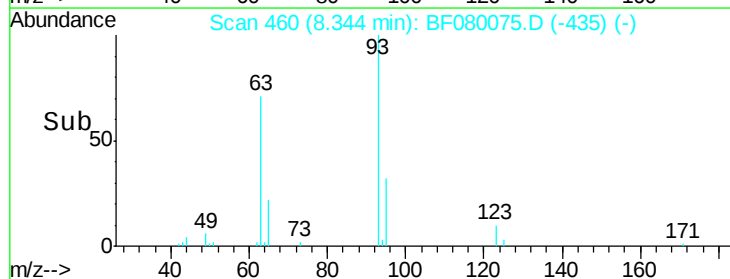
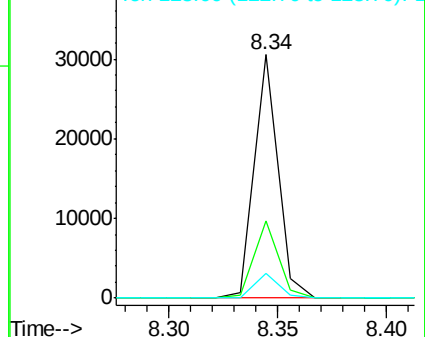
123 10.3 13.7 20.5#

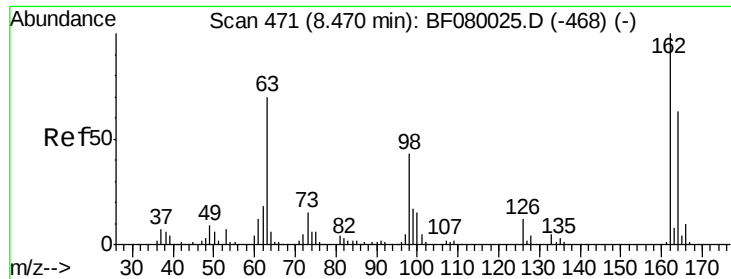


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

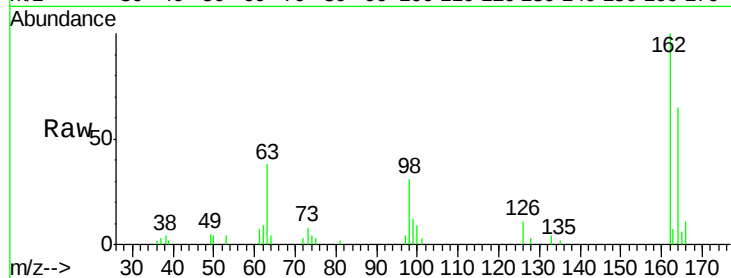




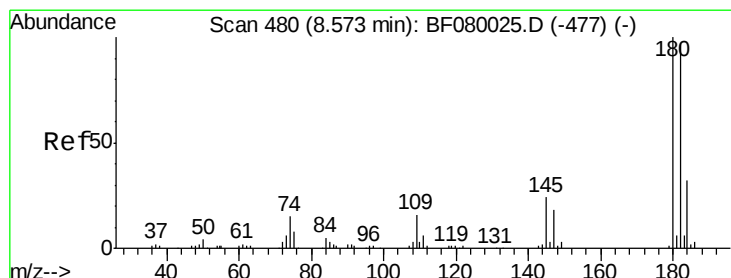
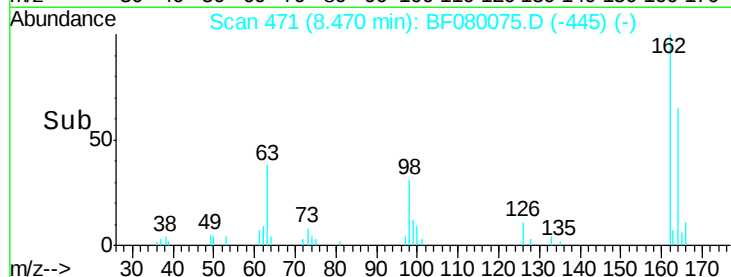
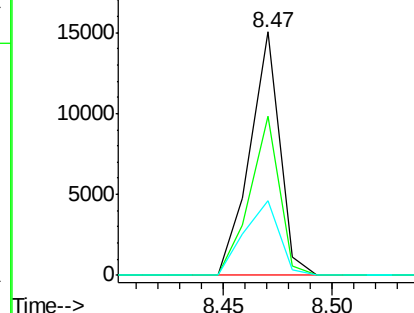
#29
 2,4-Dichlorophenol
 Concen: 5.98 ng
 RT: 8.47 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.9	84.9
98	30.5	13.0	53.0

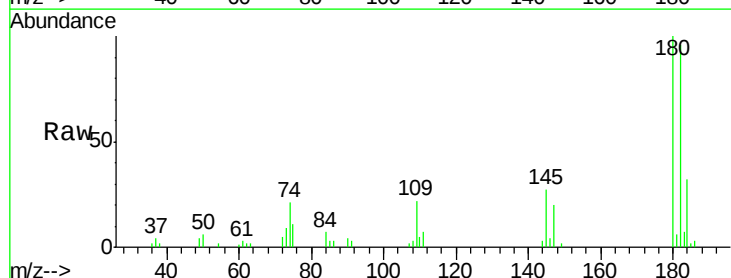


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

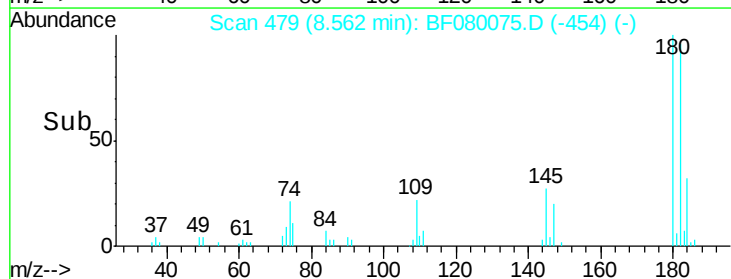
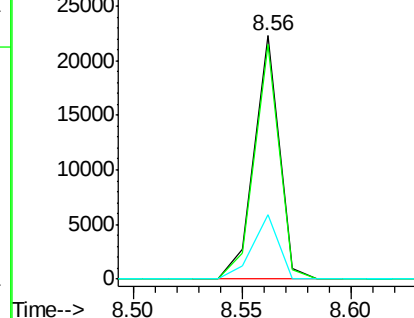


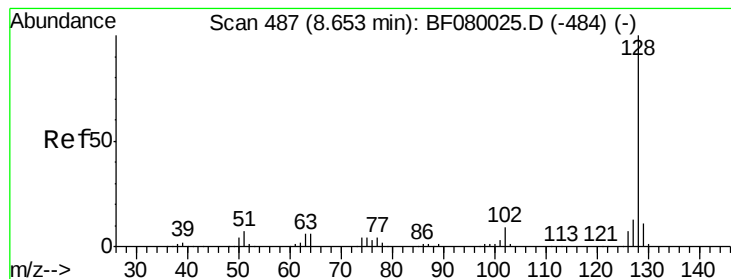
#30
 1,2,4-Trichlorobenzene
 Concen: 6.51 ng
 RT: 8.56 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.1	115.7
145	26.5	23.3	34.9



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: 6.22 ng

RT: 8.64 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

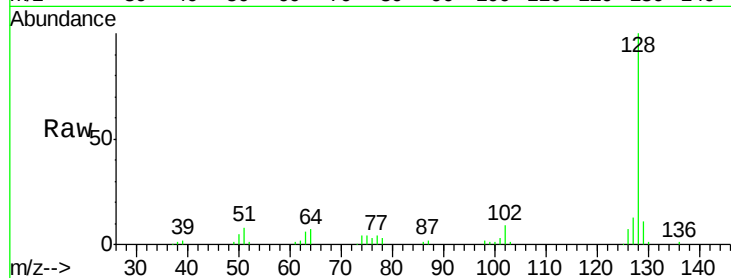
Tgt Ion:128 Resp: 59027

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

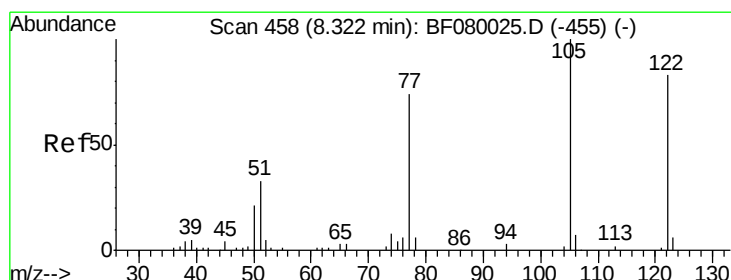
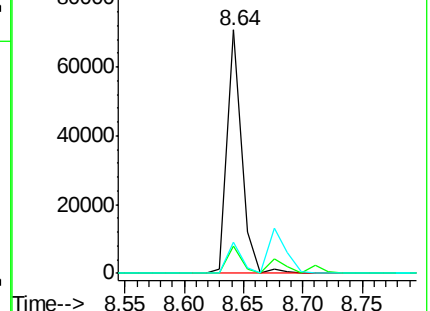
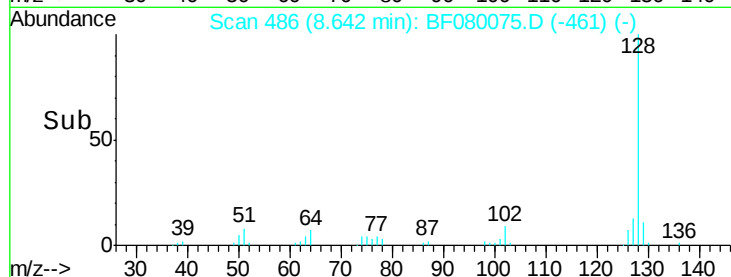
127 12.9 9.9 14.9



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: 10.12 ng

RT: 8.25 min Scan# 452

Delta R.T. -0.08 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

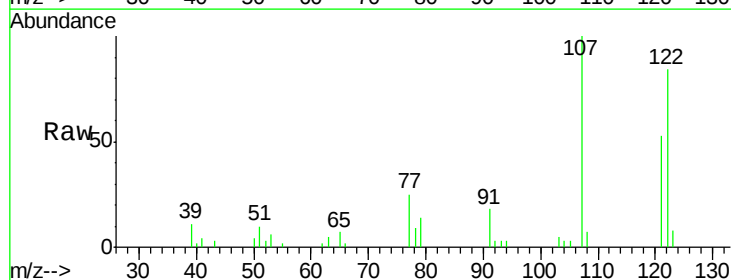
Tgt Ion:122 Resp: 17180

Ion Ratio Lower Upper

122 100

105 3.3 76.1 116.1#

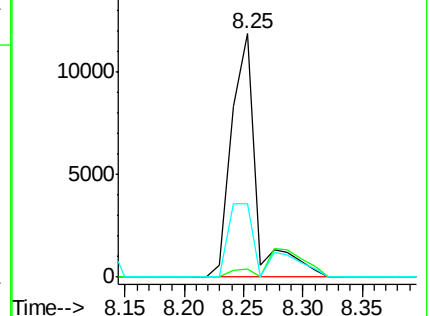
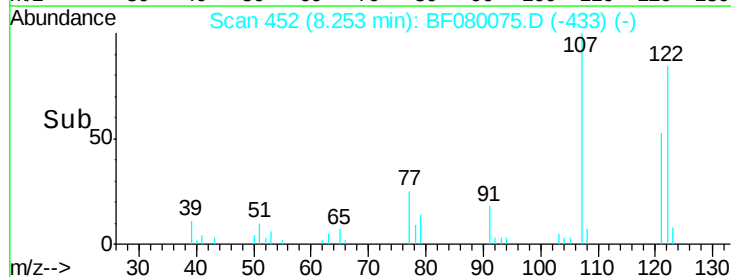
77 30.3 40.5 80.5#

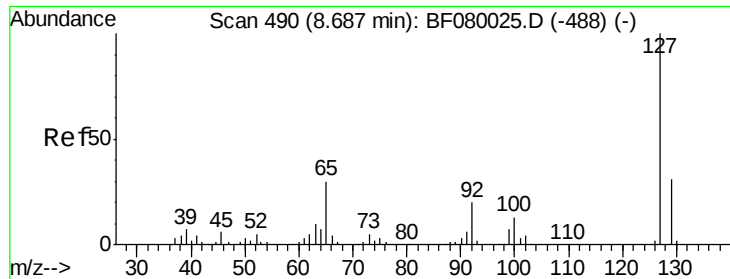


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

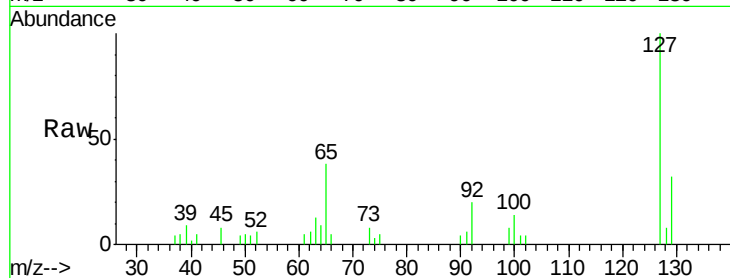




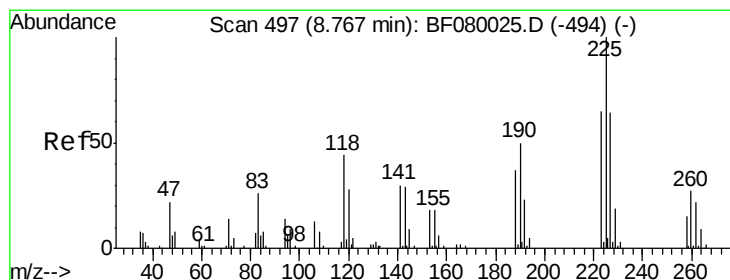
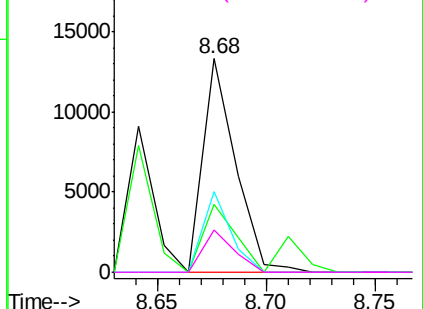
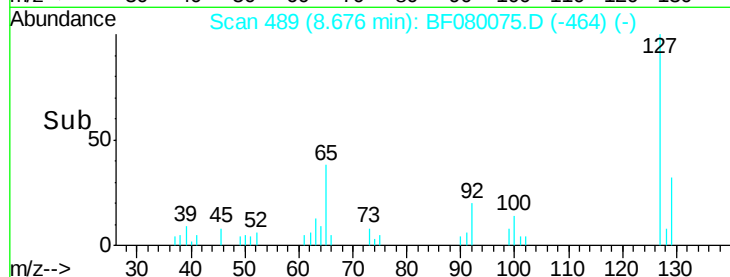
#33
4-Chloroaniline
Concen: 3.39 ng
RT: 8.68 min Scan# 489
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:127 Resp: 13784
Ion Ratio Lower Upper
127 100
129 31.7 25.8 38.6
65 37.9 17.9 26.9#
92 19.7 10.5 15.7#

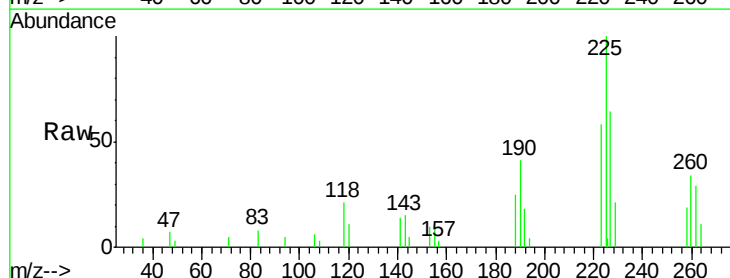


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

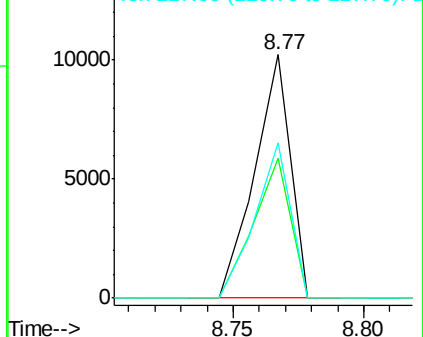
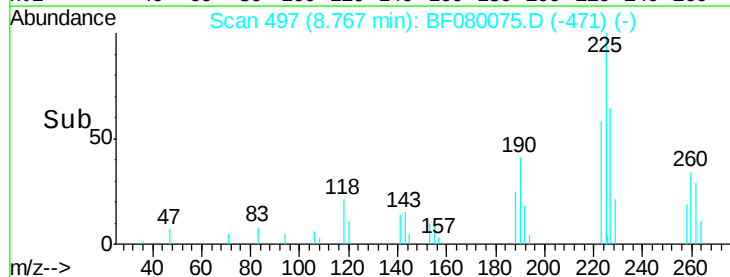


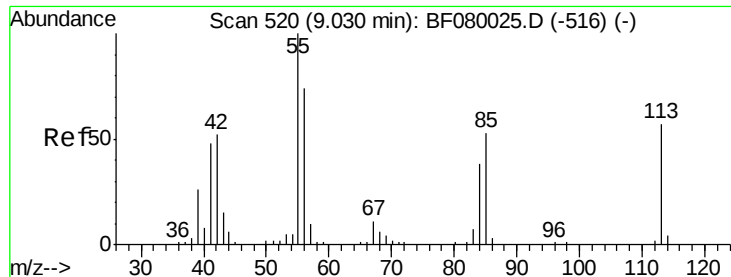
#34
Hexachlorobutadiene
Concen: 5.82 ng
RT: 8.77 min Scan# 497
Delta R.T. -0.00 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion:225 Resp: 9790
Ion Ratio Lower Upper
225 100
223 57.7 50.2 75.2
227 64.0 52.2 78.2



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

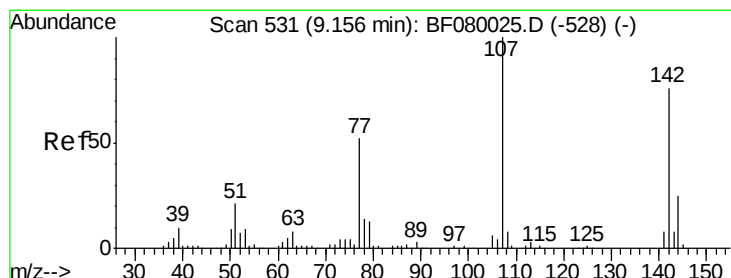
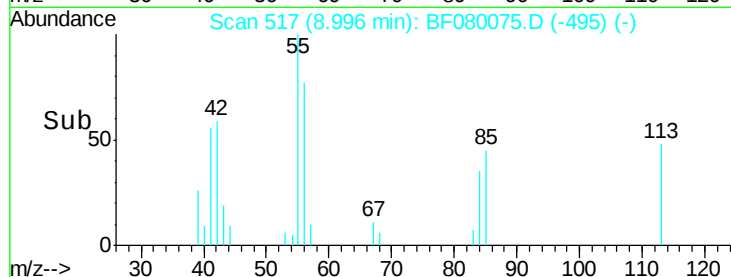
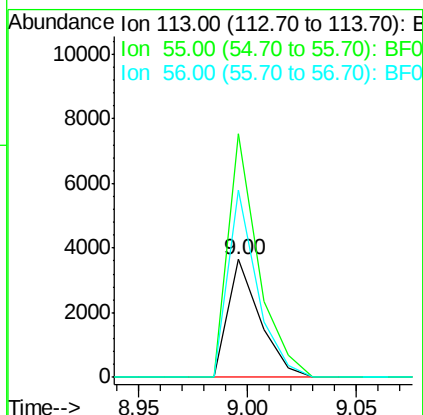
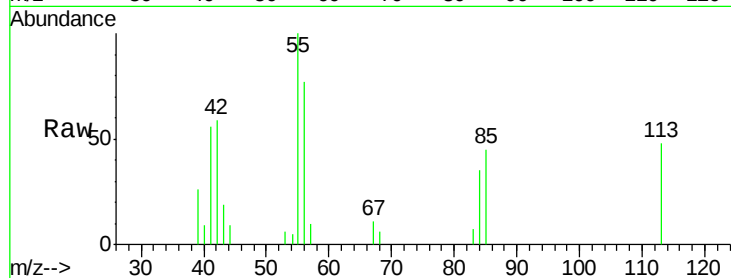




#35
 Caprolactam
 Concen: 4.76 ng
 RT: 9.00 min Scan# 517
 Delta R.T. -0.05 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

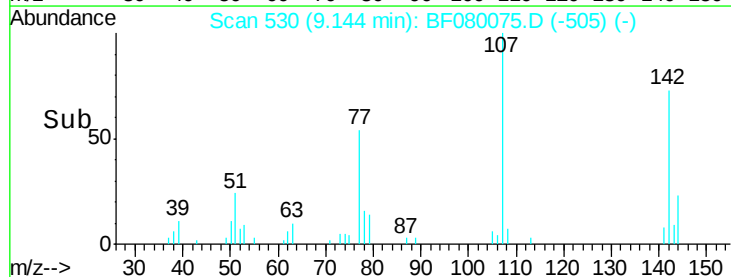
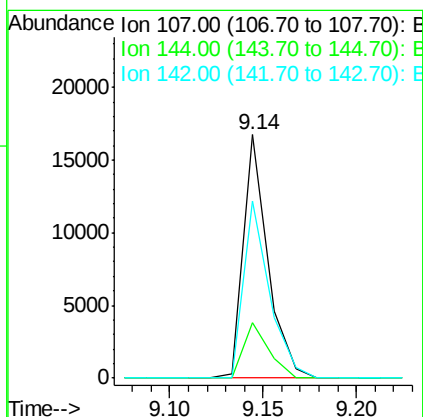
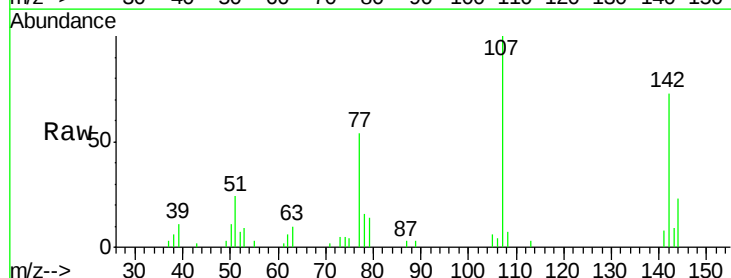
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

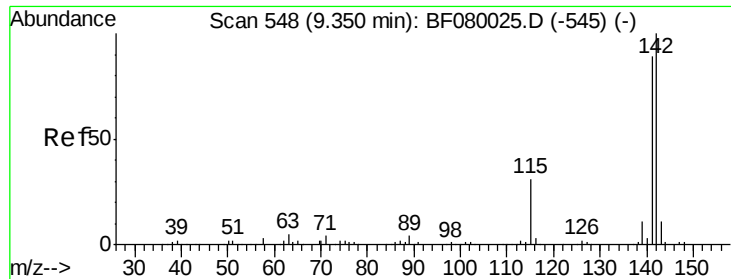
Tgt Ion:113 Resp: 3714
 Ion Ratio Lower Upper
 113 100
 55 206.7 152.4 192.4#
 56 158.9 104.6 144.6#



#36
 4-Chloro-3-methylphenol
 Concen: 5.64 ng
 RT: 9.14 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion:107 Resp: 15291
 Ion Ratio Lower Upper
 107 100
 144 23.0 25.4 38.0#
 142 72.8 77.3 115.9#

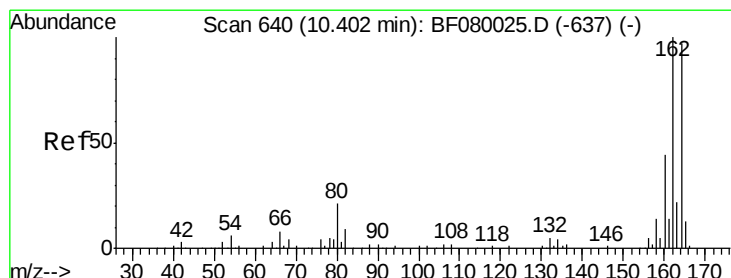
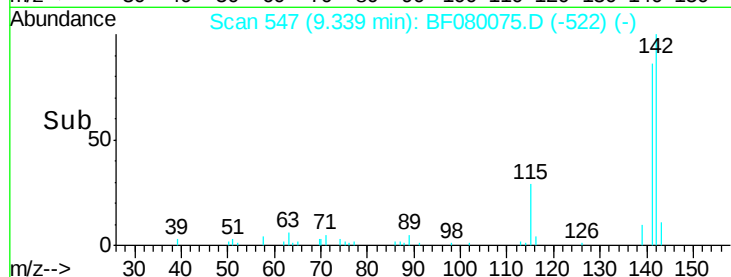
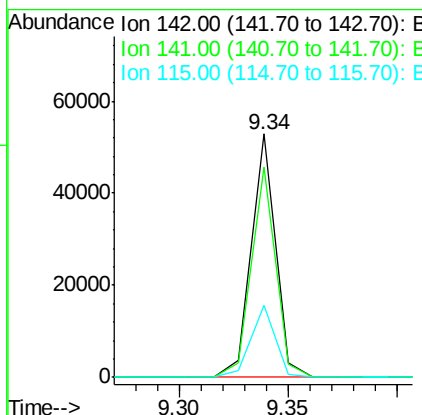
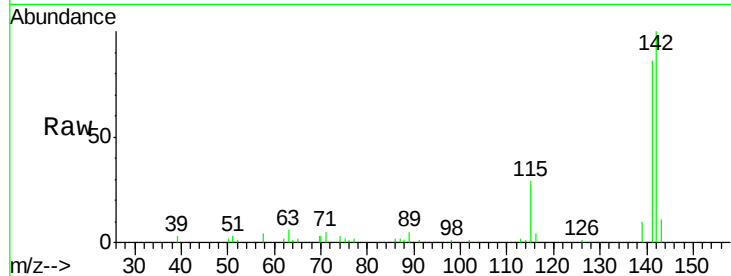




#37
2-Methylnaphthalene
Concen: 6.66 ng
RT: 9.34 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

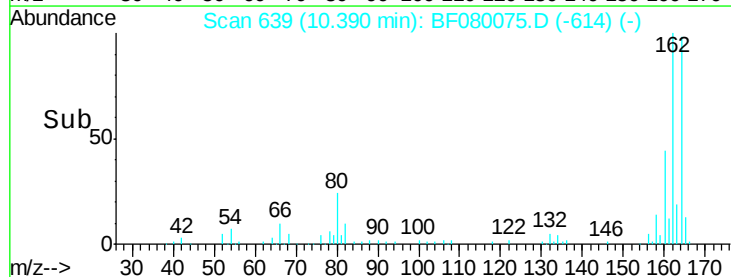
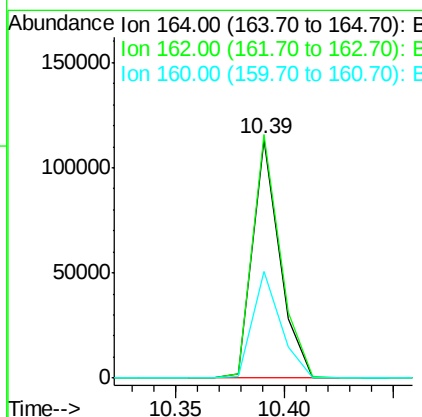
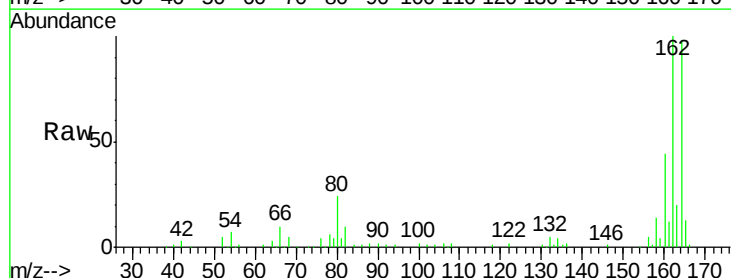
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

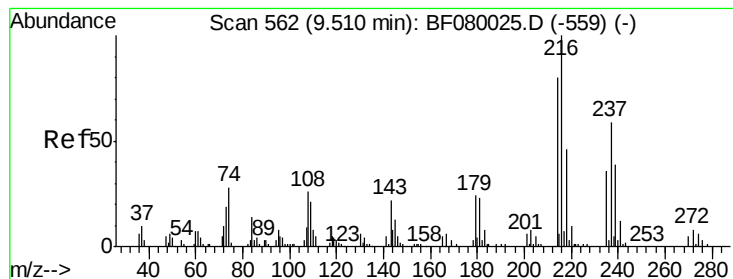
Tgt Ion:142 Resp: 40867
Ion Ratio Lower Upper
142 100
141 86.5 67.5 101.3
115 29.4 18.2 27.2#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.39 min Scan# 639
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion:164 Resp: 98606
Ion Ratio Lower Upper
164 100
162 101.9 75.2 112.8
160 44.8 31.5 47.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 6.18 ng

RT: 9.51 min Scan# 562

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

Tgt Ion:216 Resp: 17727

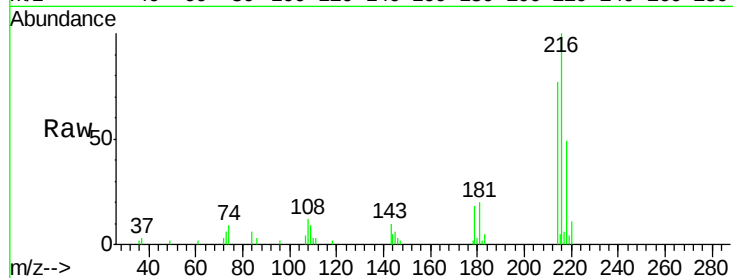
Ion Ratio Lower Upper

216 100

214 76.7 63.5 95.3

179 20.5 16.6 24.8

108 17.7 16.3 24.5

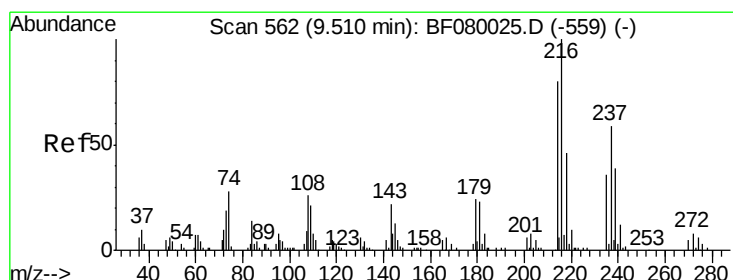
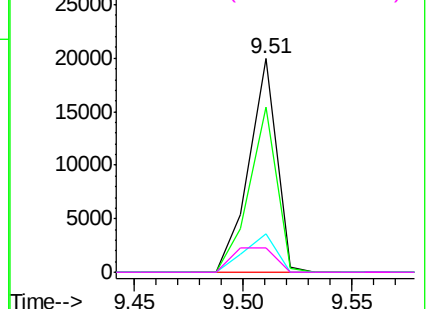
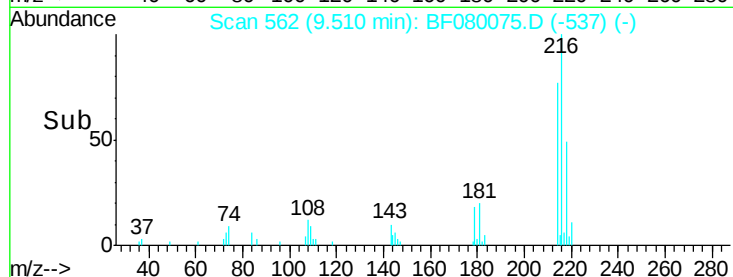


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 9.59 ng

RT: 9.50 min Scan# 561

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

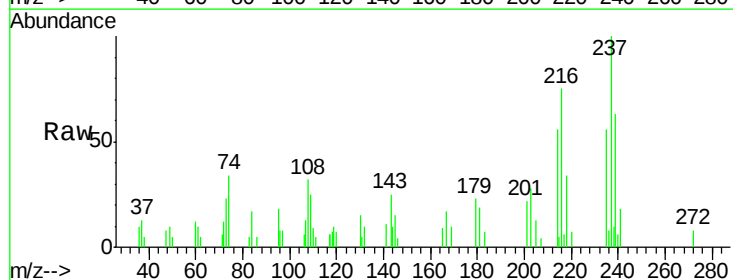
Tgt Ion:237 Resp: 5360

Ion Ratio Lower Upper

237 100

235 56.3 42.0 82.0

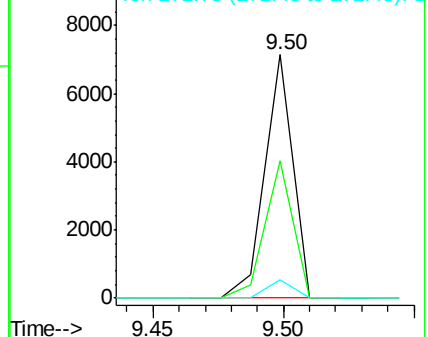
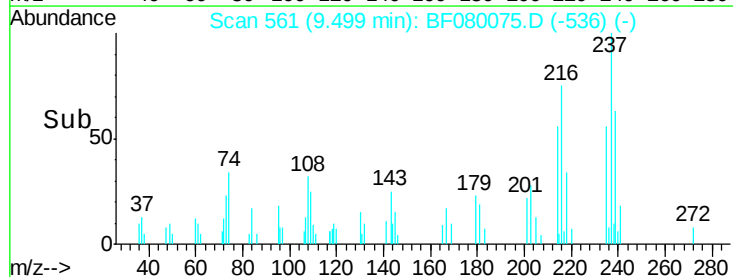
272 7.7 0.0 36.1

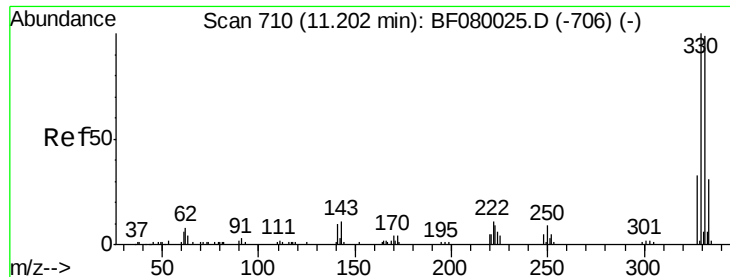


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

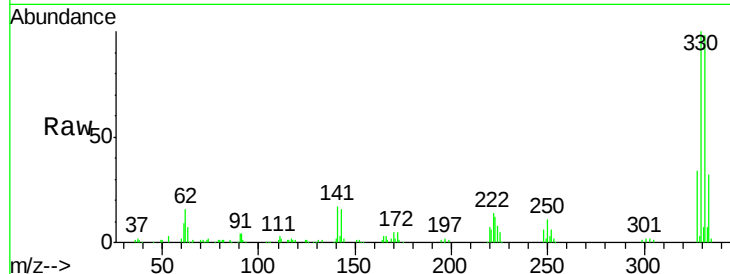




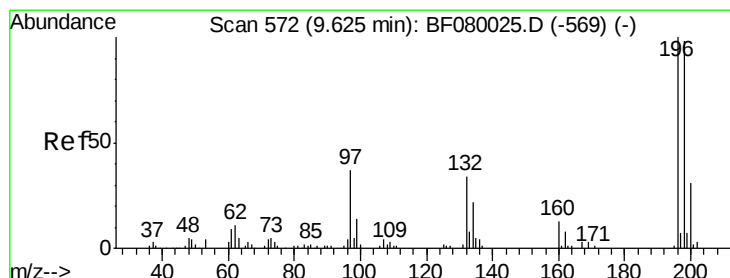
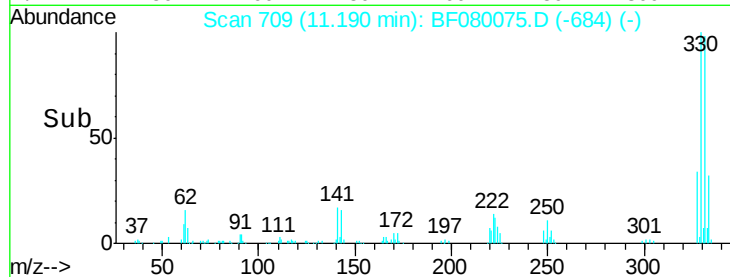
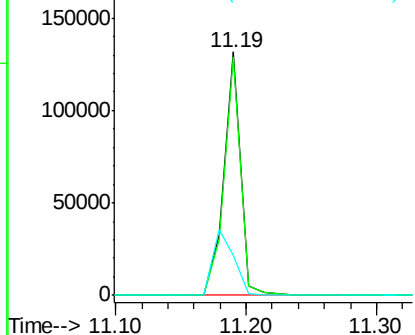
#41
 2,4,6-Tribromophenol
 Concen: 122.64 ng
 RT: 11.19 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:330 Resp: 118247
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.6 114.8
 141 34.2 29.7 44.5

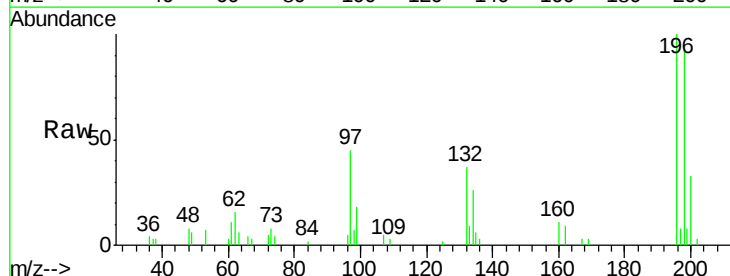


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

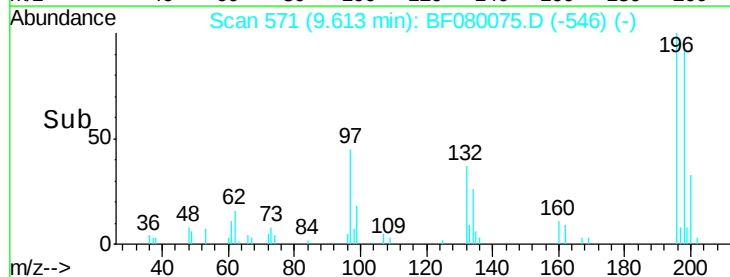
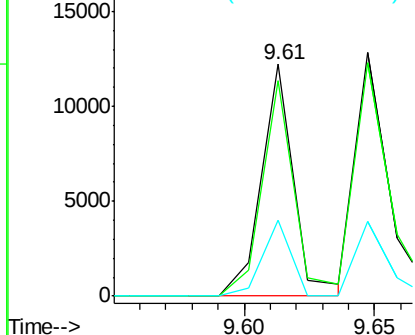


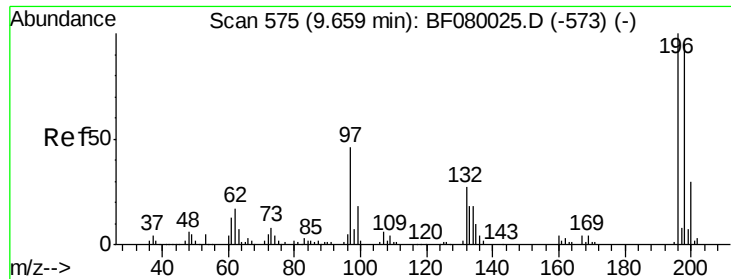
#42
 2,4,6-Trichlorophenol
 Concen: 5.43 ng
 RT: 9.61 min Scan# 571
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion:196 Resp: 10611
 Ion Ratio Lower Upper
 196 100
 198 92.7 75.7 113.5
 200 32.7 23.9 35.9



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

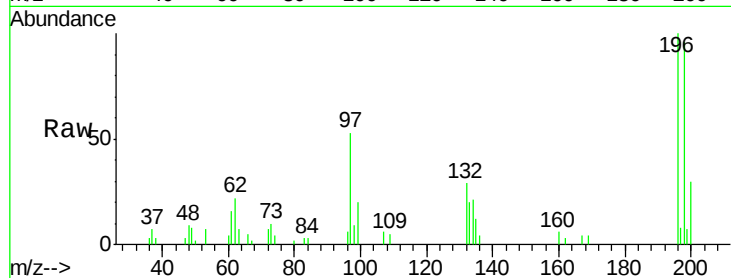




#43
 2,4,5-Trichlorophenol
 Concen: 5.11 ng
 RT: 9.65 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.1	75.4	113.0
97	53.5	33.3	49.9
132	29.1	24.6	37.0



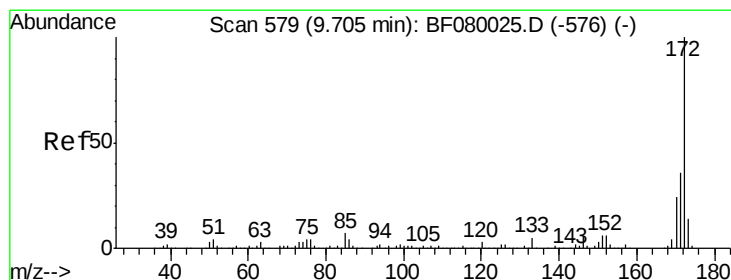
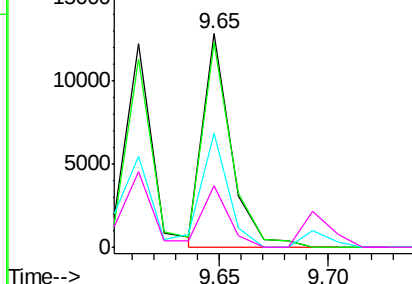
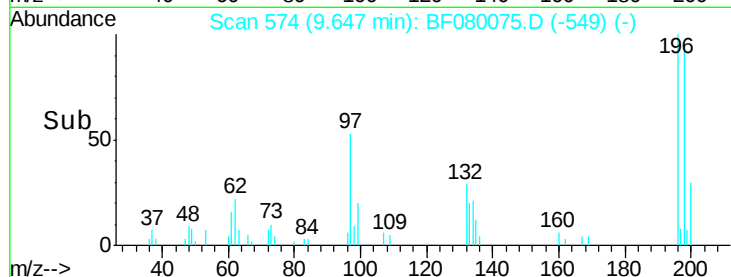
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

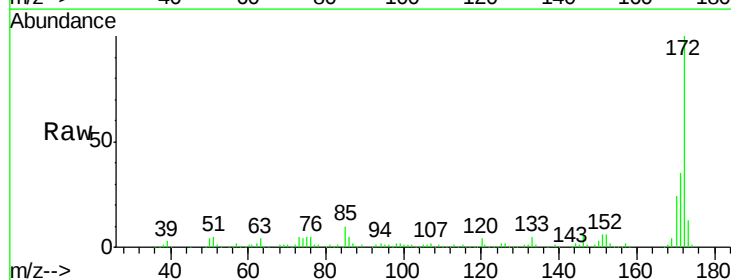
Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



#44
 2-Fluorobiphenyl
 Concen: 69.05 ng
 RT: 9.69 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	26.1	39.1
170	23.6	17.4	26.2

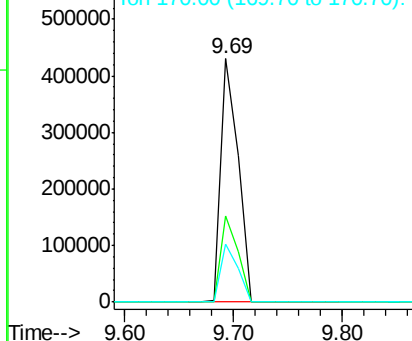
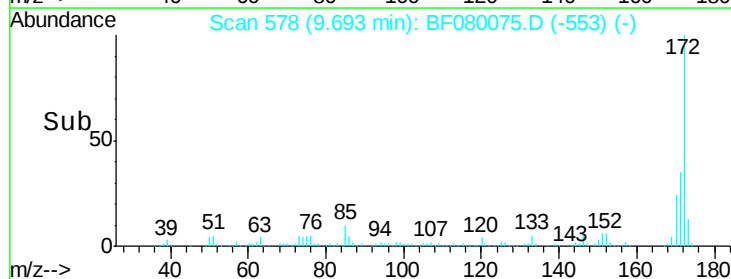


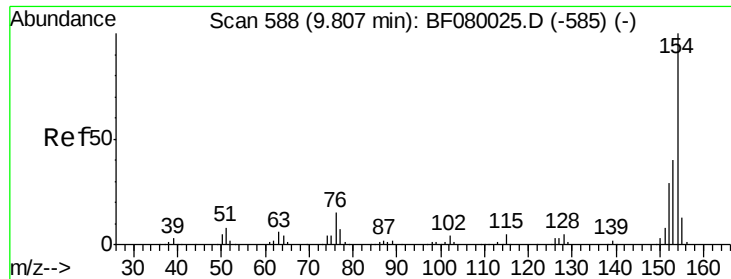
Abundance

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

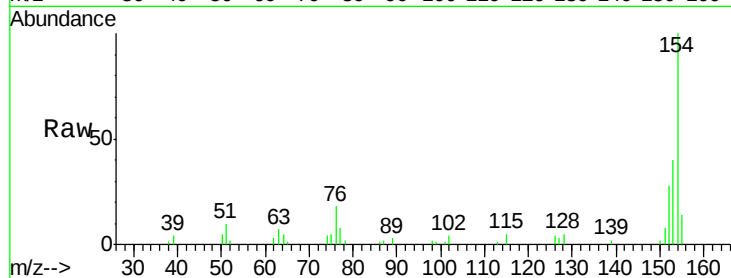




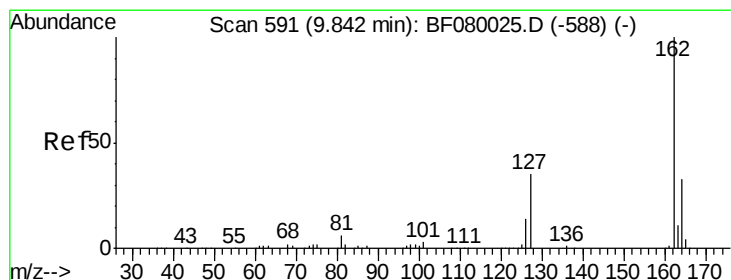
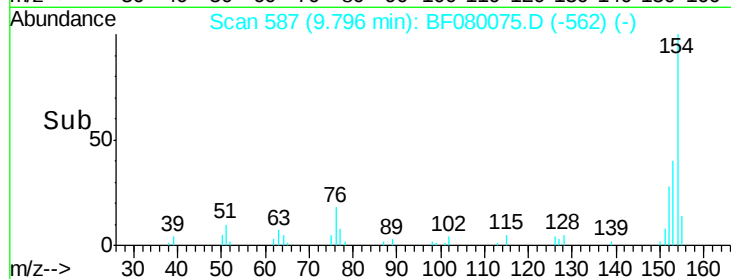
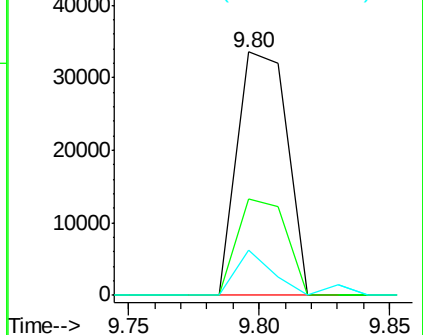
#45
 1,1'-Biphenyl
 Concen: 5.61 ng
 RT: 9.80 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:154 Resp: 44972
 Ion Ratio Lower Upper
 154 100
 153 39.7 17.1 57.1
 76 18.4 0.0 31.6

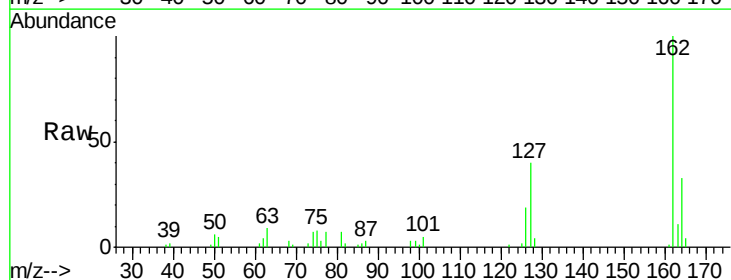


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

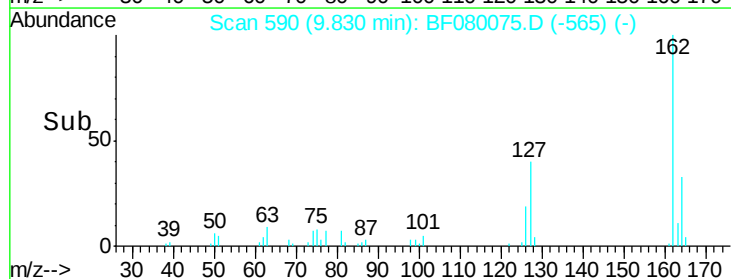
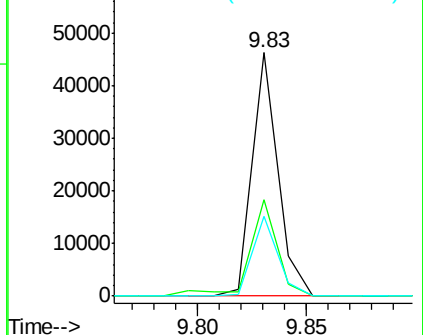


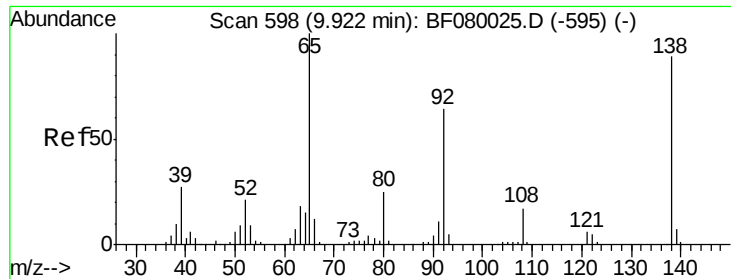
#46
 2-Chloronaphthalene
 Concen: 5.81 ng
 RT: 9.83 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion:162 Resp: 37809
 Ion Ratio Lower Upper
 162 100
 127 39.6 27.6 41.4
 164 33.0 25.4 38.2



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

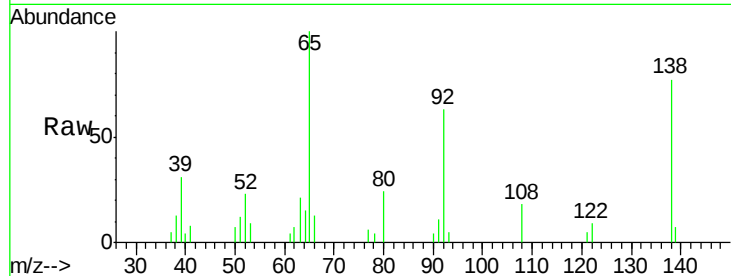




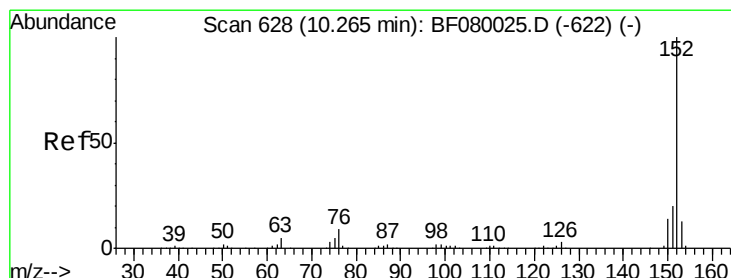
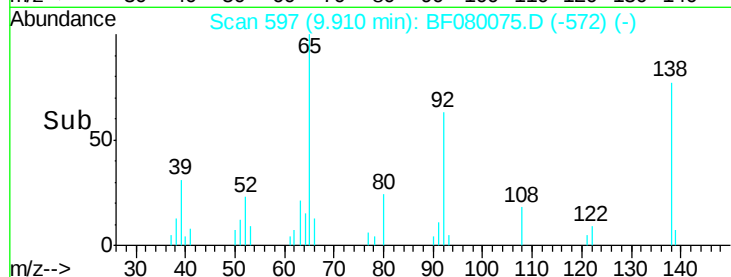
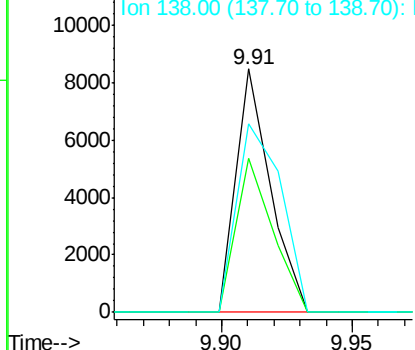
#47
2-Nitroaniline
Concen: 4.40 ng
RT: 9.91 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion: 65 Resp: 7864
Ion Ratio Lower Upper
65 100
92 63.5 55.4 83.0
138 77.3 115.5 173.3#

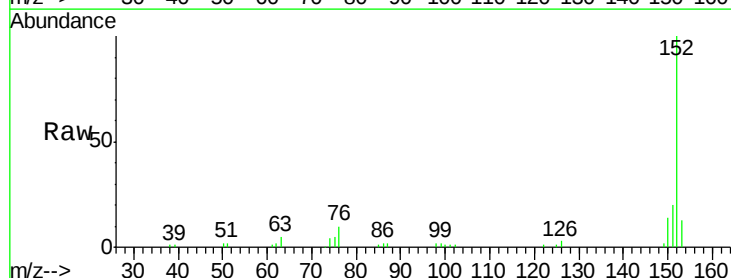


Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

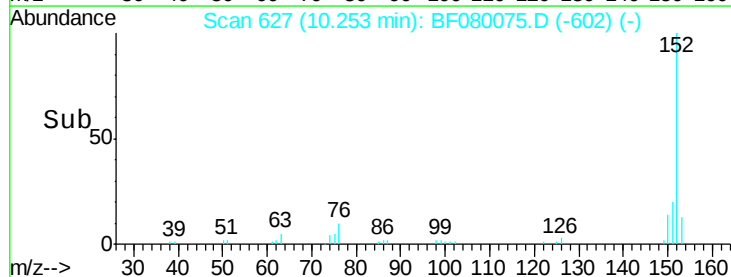
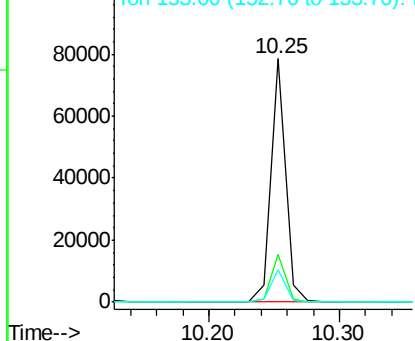


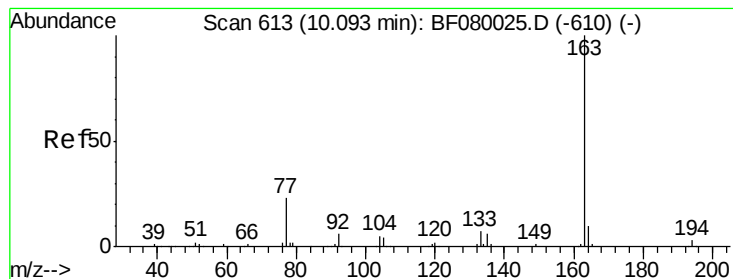
#48
Acenaphthylene
Concen: 5.71 ng
RT: 10.25 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion: 152 Resp: 62055
Ion Ratio Lower Upper
152 100
151 19.7 14.6 22.0
153 13.2 10.3 15.5



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: 5.81 ng

RT: 10.08 min Scan# 612

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

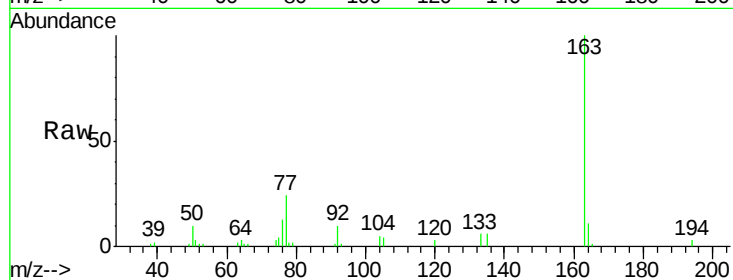
Tgt Ion:163 Resp: 43108

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

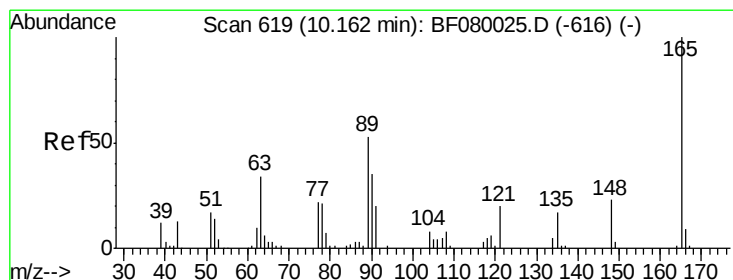
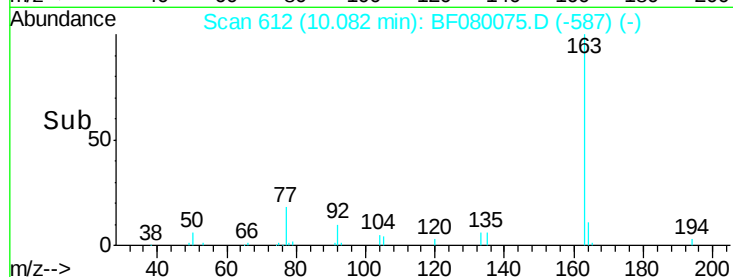
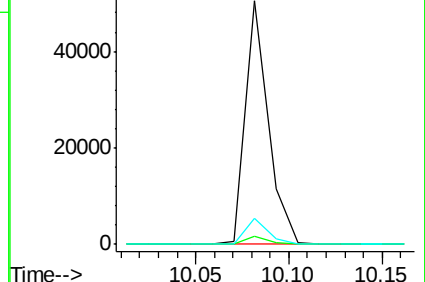
164 10.6 8.3 12.5



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: 5.37 ng

RT: 10.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

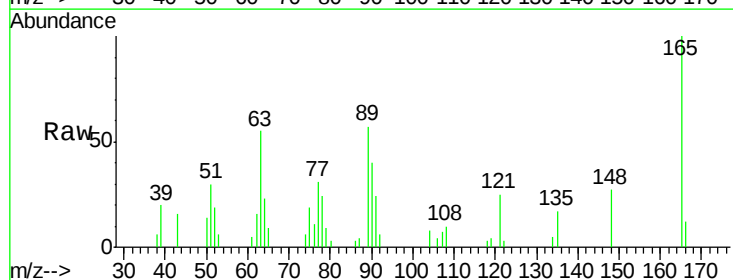
Tgt Ion:165 Resp: 7987

Ion Ratio Lower Upper

165 100

63 54.7 32.3 48.5#

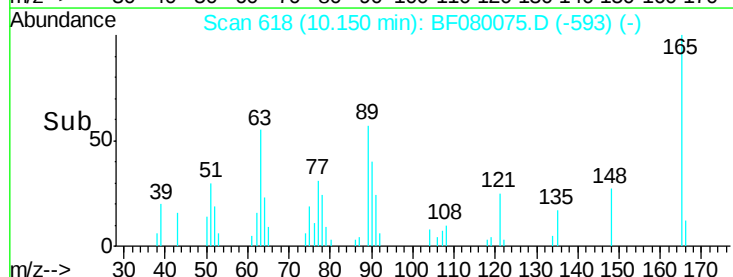
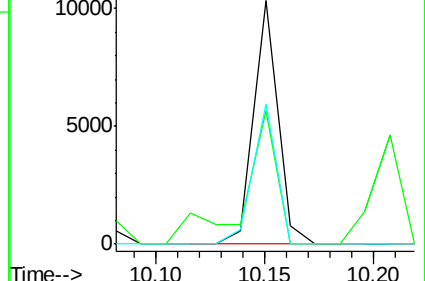
89 57.4 28.6 43.0#

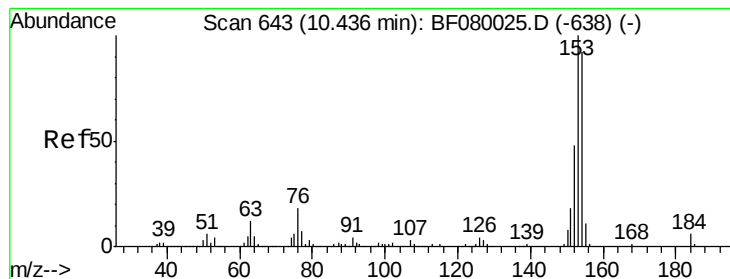


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 5.54 ng

RT: 10.42 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

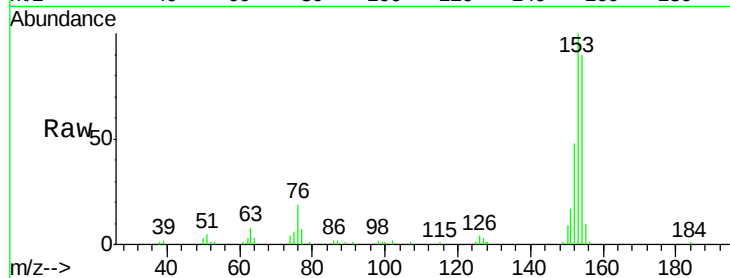
Tgt Ion:154 Resp: 36845

Ion Ratio Lower Upper

154 100

153 111.7 82.1 123.1

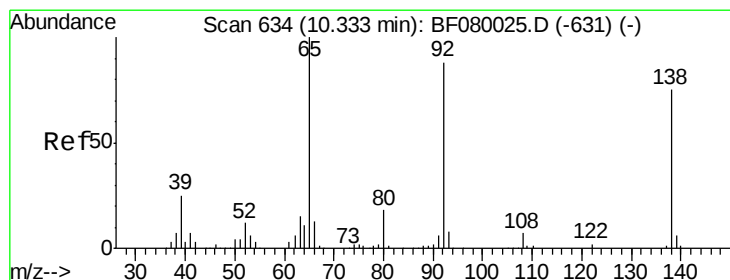
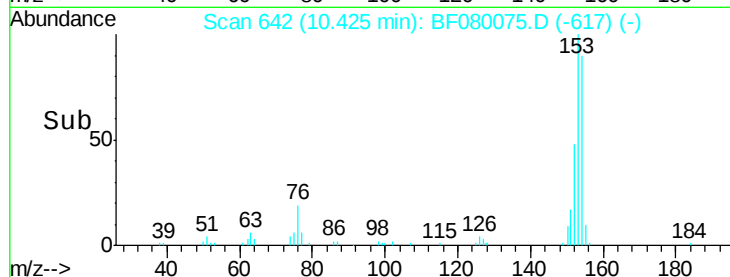
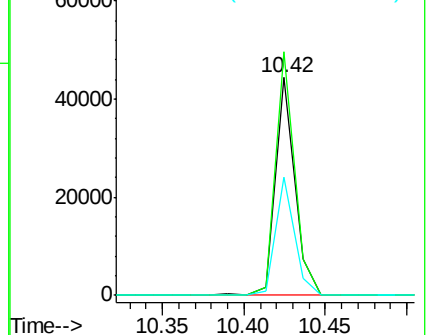
152 54.1 37.9 56.9



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: 4.67 ng

RT: 10.32 min Scan# 633

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

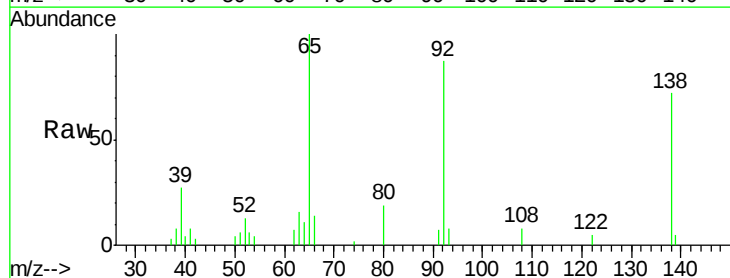
Tgt Ion:138 Resp: 8008

Ion Ratio Lower Upper

138 100

108 11.0 5.7 8.5#

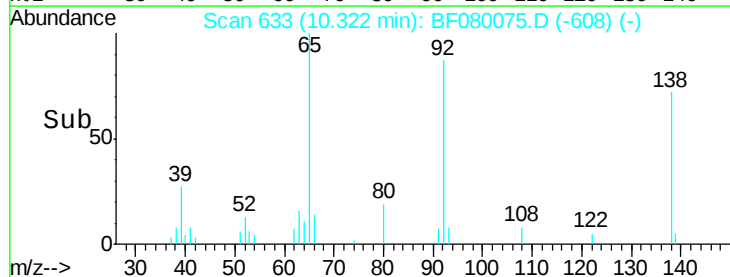
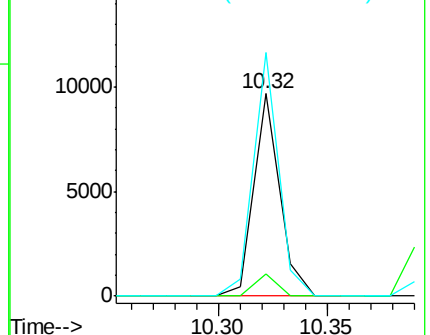
92 120.5 67.7 101.5#

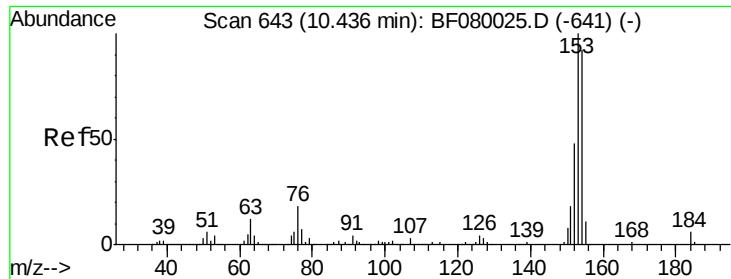


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

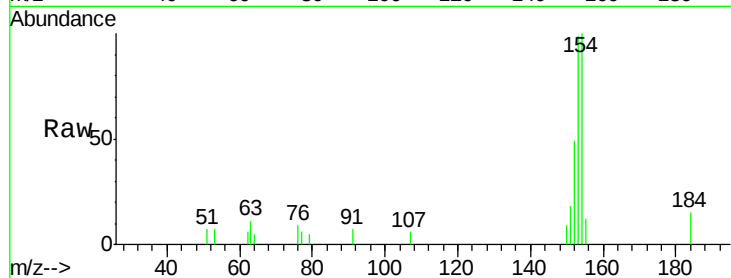




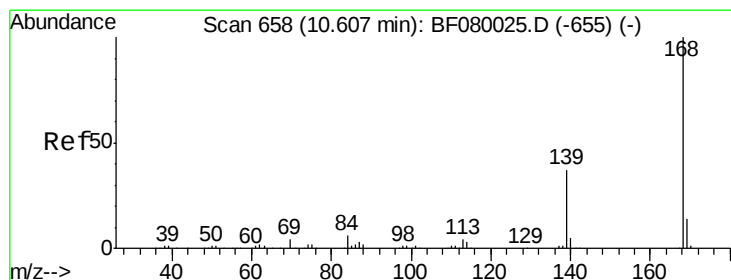
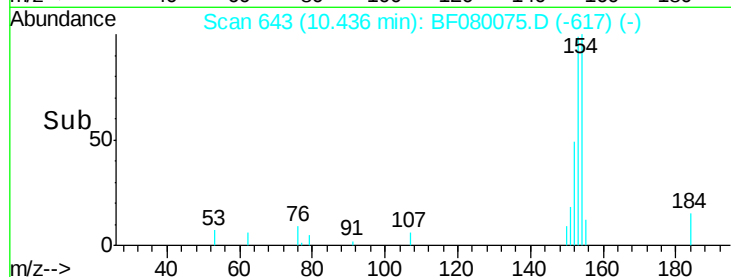
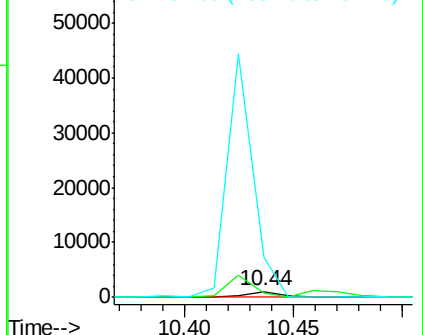
#53
2,4-Dinitrophenol
Concen: 7.82 ng
RT: 10.44 min Scan# 643
Delta R.T. 0.00 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:184 Resp: 1298
Ion Ratio Lower Upper
184 100
63 75.9 35.4 53.2#
154 660.7 32.2 48.4#

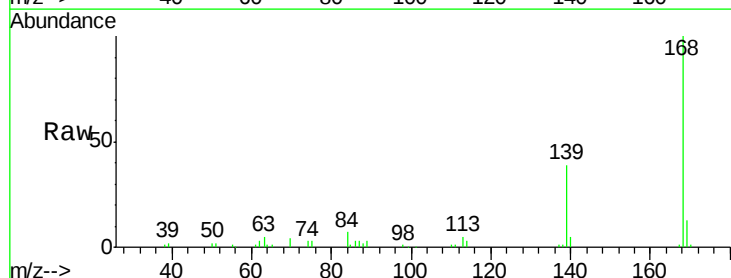


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

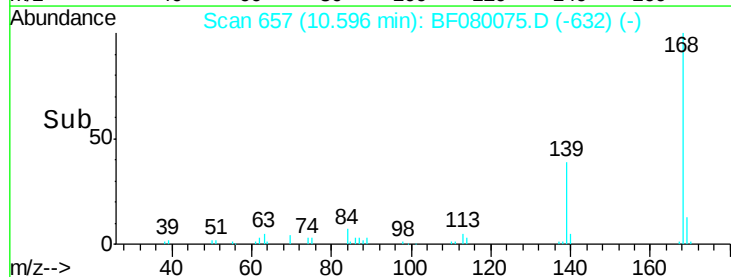
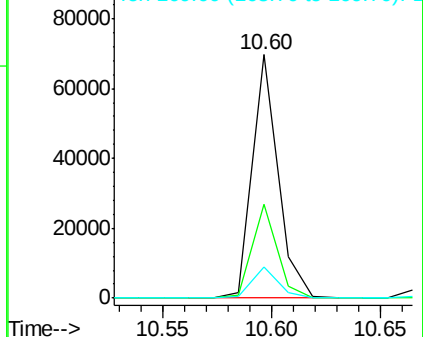


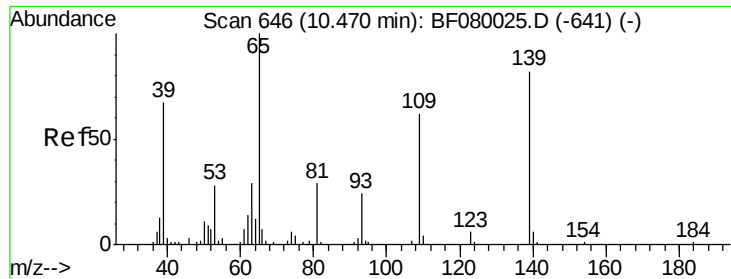
#54
Dibenzofuran
Concen: 6.07 ng
RT: 10.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion:168 Resp: 57218
Ion Ratio Lower Upper
168 100
139 38.5 24.2 36.2#
169 12.8 10.6 15.8



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

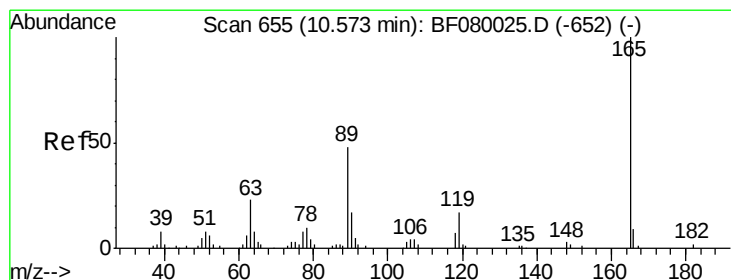
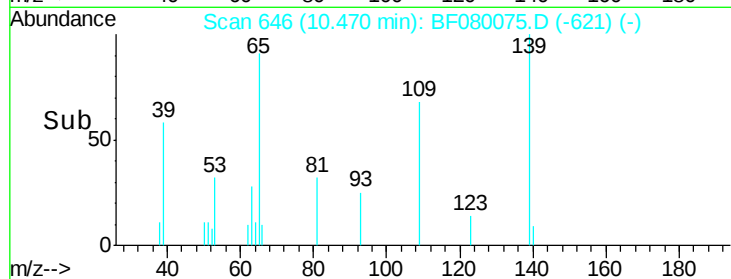
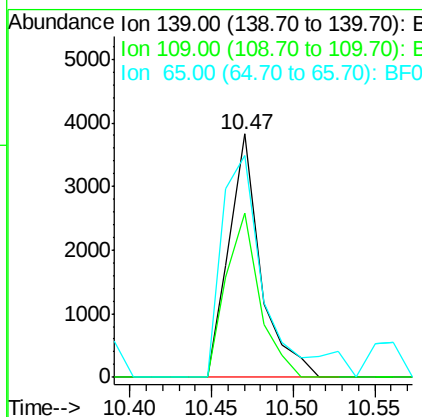
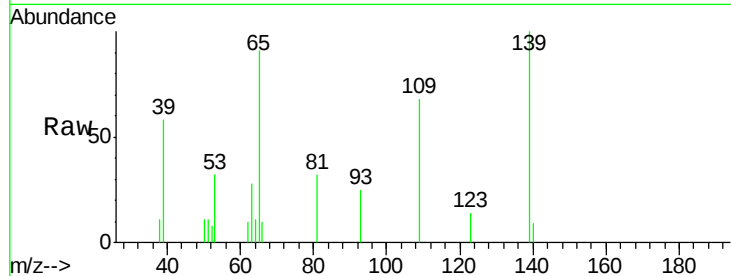




#55
4-Nitrophenol
Concen: 3.78 ng
RT: 10.47 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

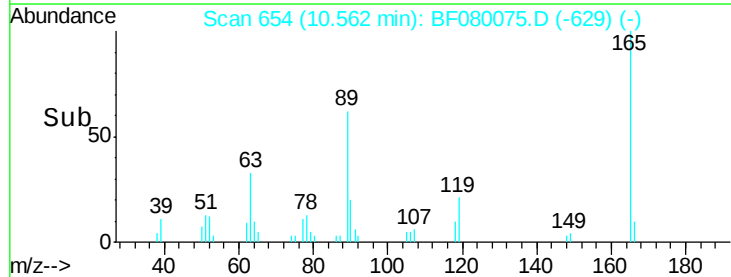
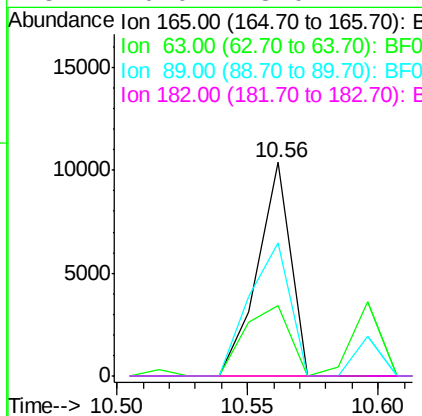
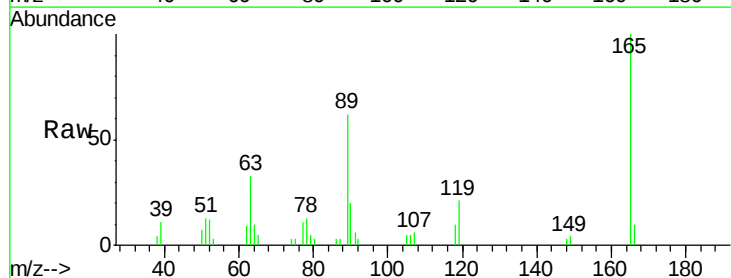
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

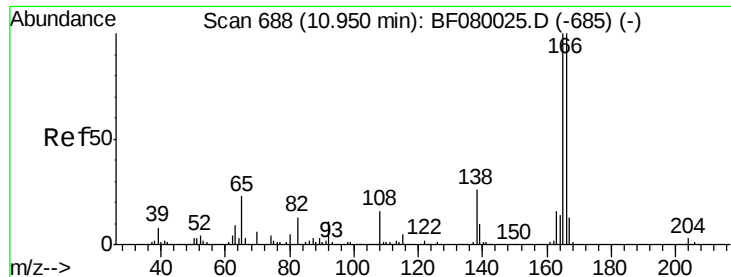
Tgt Ion:139 Resp: 5176
Ion Ratio Lower Upper
139 100
109 67.7 12.7 52.7#
65 91.2 45.9 85.9#



#56
2,4-Dinitrotoluene
Concen: 4.91 ng
RT: 10.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion:165 Resp: 9261
Ion Ratio Lower Upper
165 100
63 33.1 29.8 44.6
89 62.5 44.5 66.7
182 0.0 3.0 4.4#

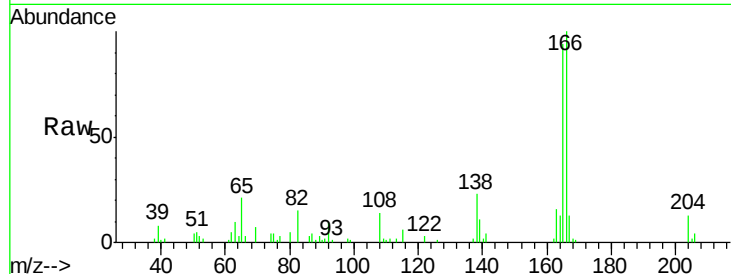




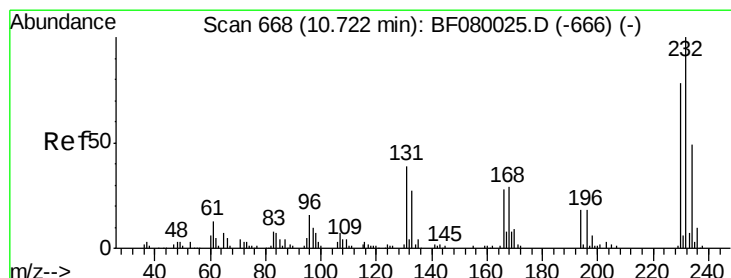
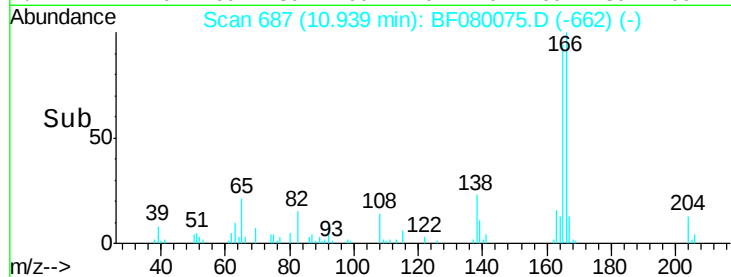
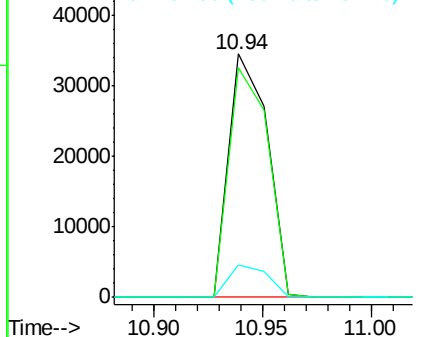
#57
 Fluorene
 Concen: 5.69 ng
 RT: 10.94 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:166 Resp: 42551
 Ion Ratio Lower Upper
 166 100
 165 94.2 72.6 109.0
 167 13.5 10.6 16.0

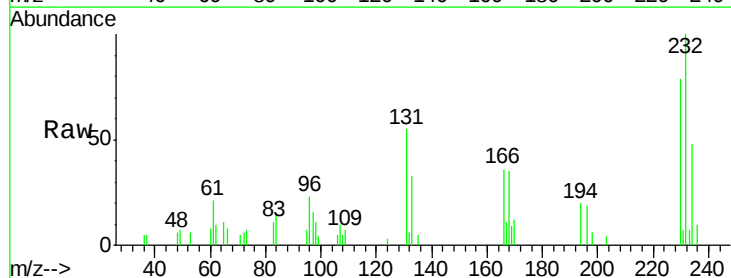


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

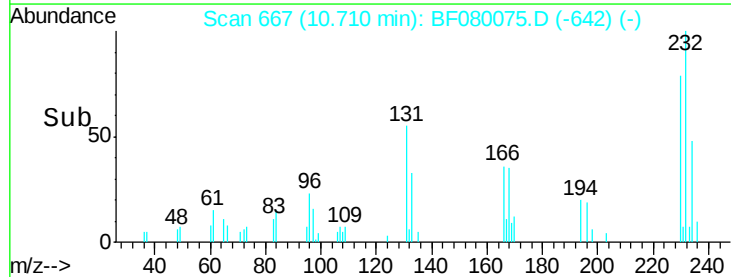
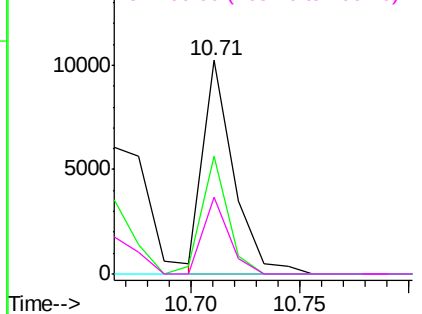


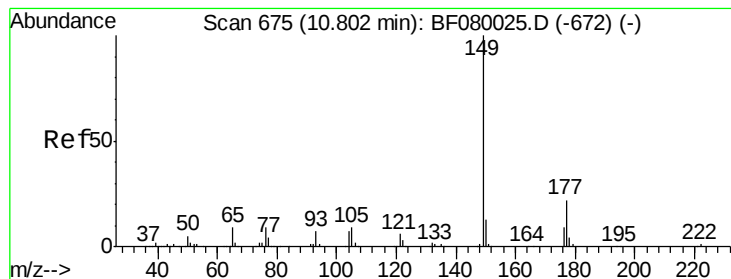
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 5.26 ng
 RT: 10.71 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion:232 Resp: 9986
 Ion Ratio Lower Upper
 232 100
 131 46.8 38.5 57.7
 130 0.0 1.8 2.6#
 166 30.3 25.0 37.6



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: 6.50 ng

RT: 10.79 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

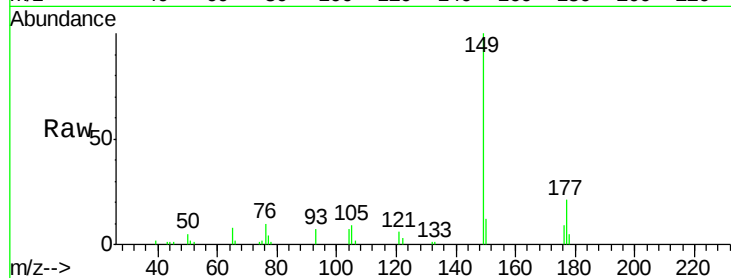
Tgt Ion:149 Resp: 48500

Ion Ratio Lower Upper

149 100

177 21.3 17.5 26.3

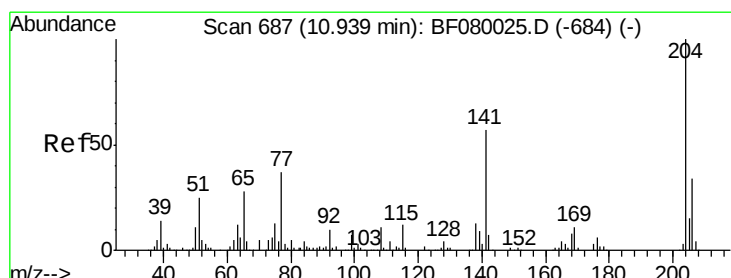
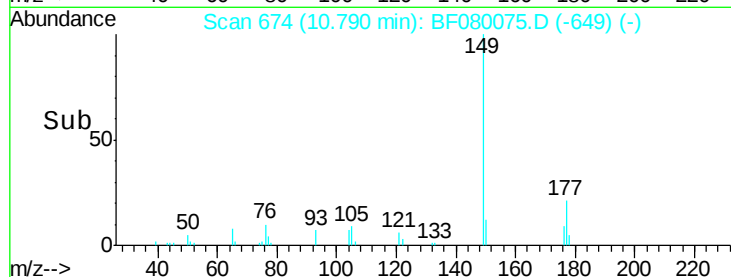
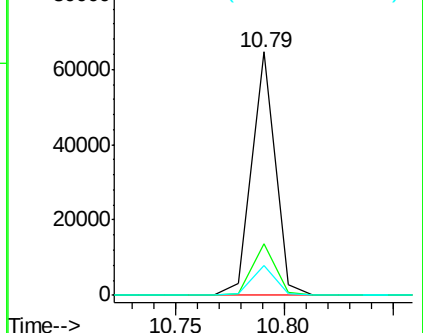
150 12.3 9.4 14.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 6.11 ng

RT: 10.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

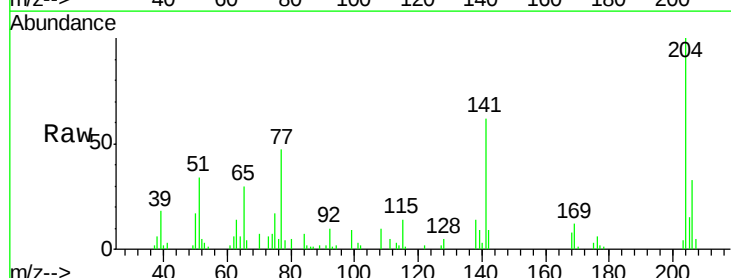
Tgt Ion:204 Resp: 21975

Ion Ratio Lower Upper

204 100

206 33.3 24.8 37.2

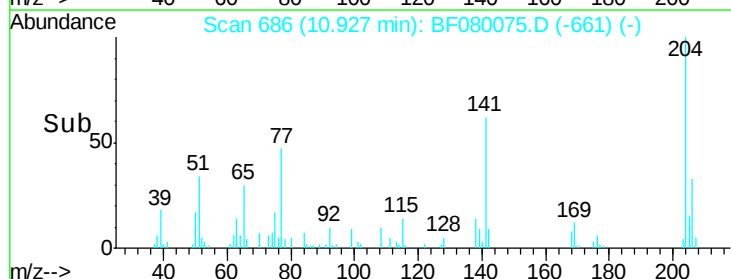
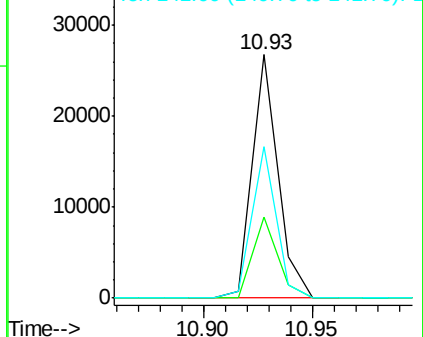
141 62.0 42.2 63.4

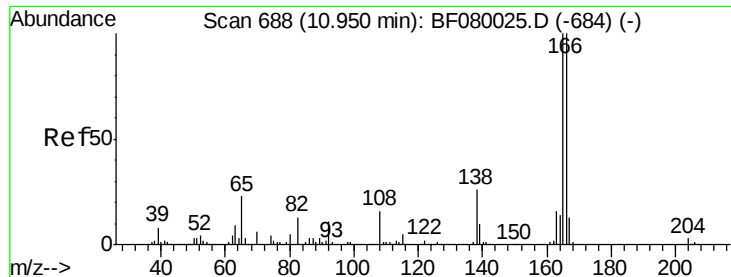


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 4.78 ng

RT: 10.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

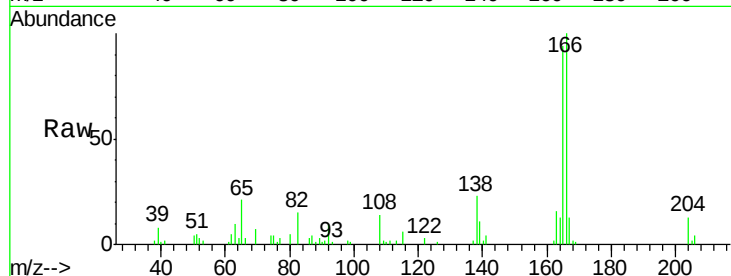
Tgt Ion:138 Resp: 8460

Ion Ratio Lower Upper

138 100

92 42.9 12.6 52.6

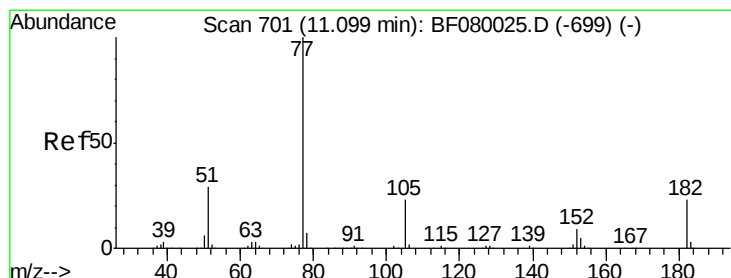
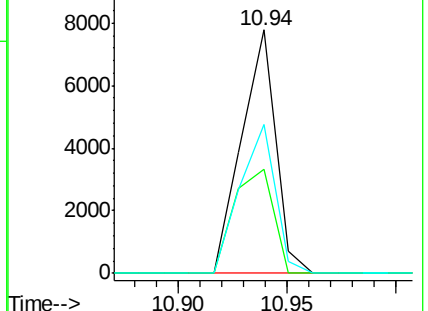
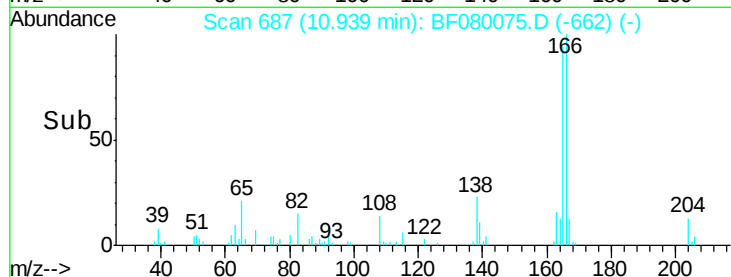
108 61.2 12.4 52.4#



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: 5.69 ng

RT: 11.09 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Tgt Ion: 77 Resp: 43215

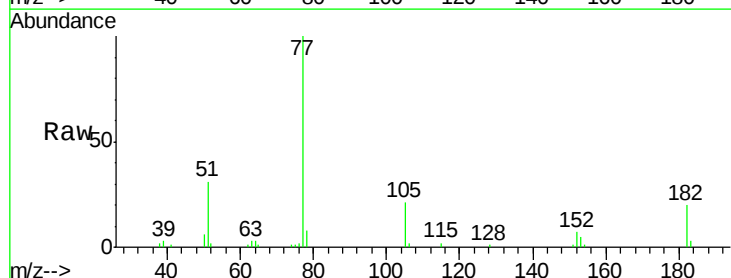
Ion Ratio Lower Upper

77 100

182 20.5 15.1 55.1

105 21.1 3.4 43.4

51 31.0 12.0 52.0

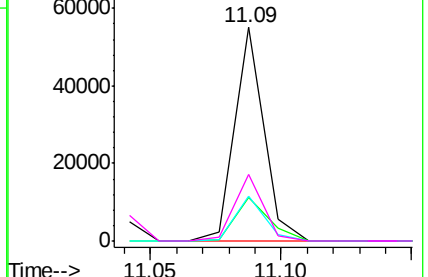
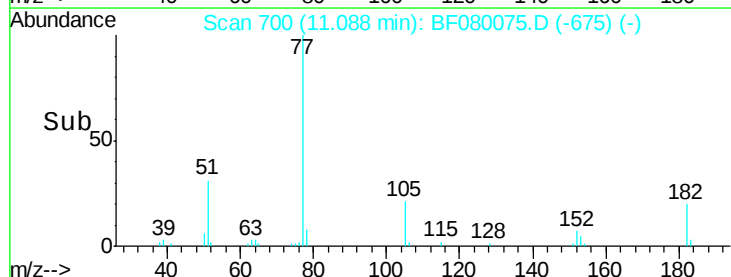


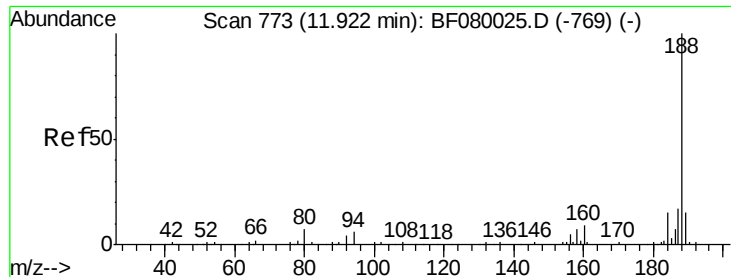
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

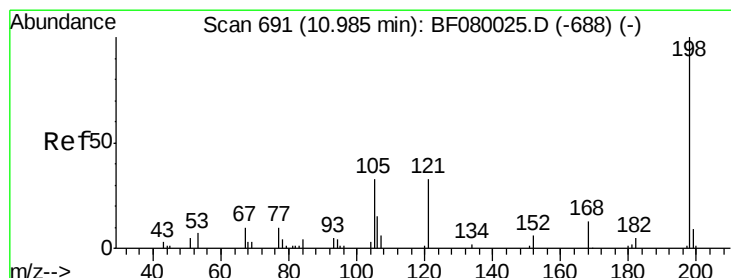
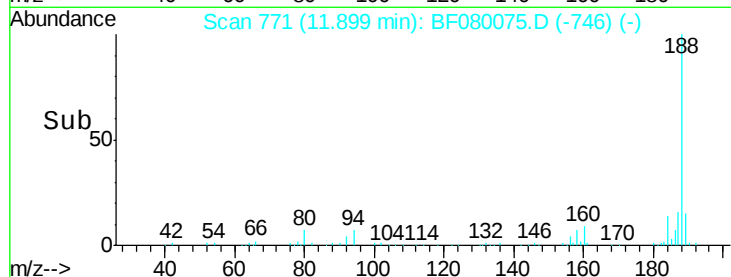
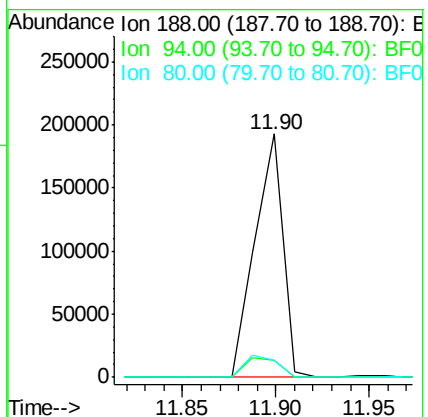
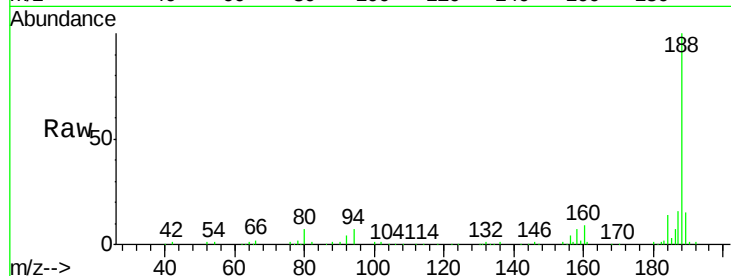




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.90 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

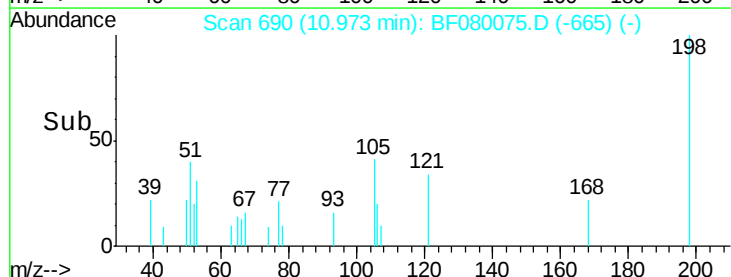
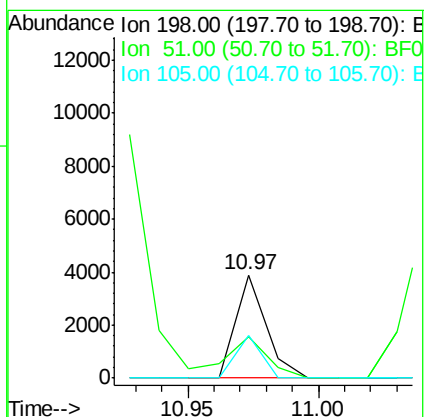
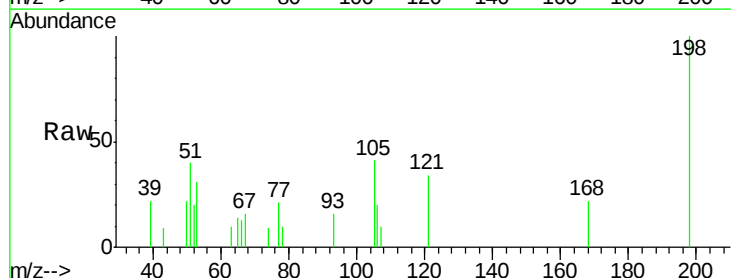
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

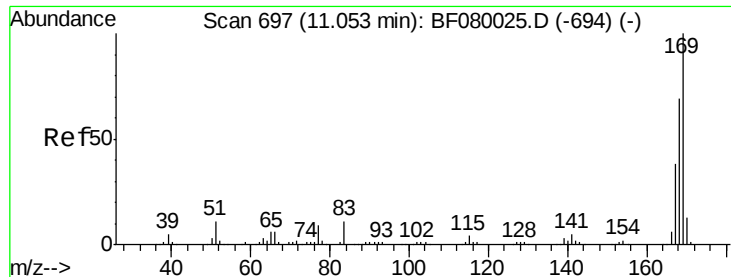
Tgt Ion:188 Resp: 203943
Ion Ratio Lower Upper
188 100
94 6.8 11.1 16.7#
80 6.9 11.0 16.4#



#64
4,6-Dinitro-2-methylphenol
Concen: 7.35 ng
RT: 10.97 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion:198 Resp: 3199
Ion Ratio Lower Upper
198 100
51 40.1 39.6 79.6
105 41.2 28.5 68.5

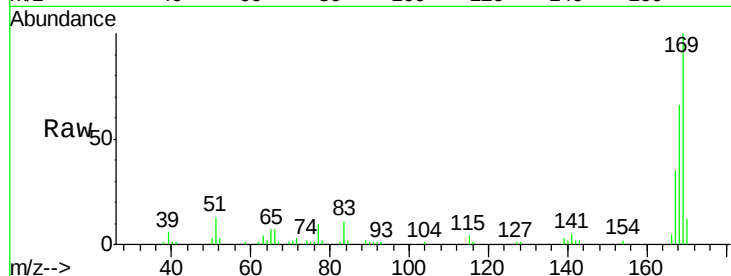




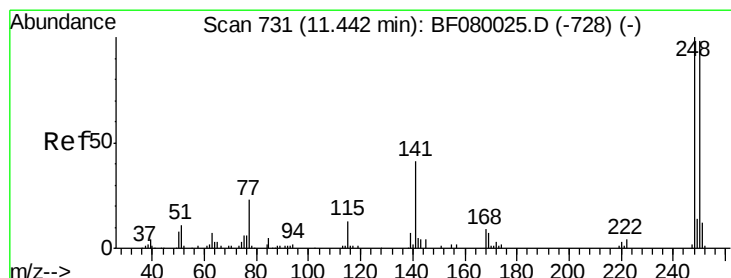
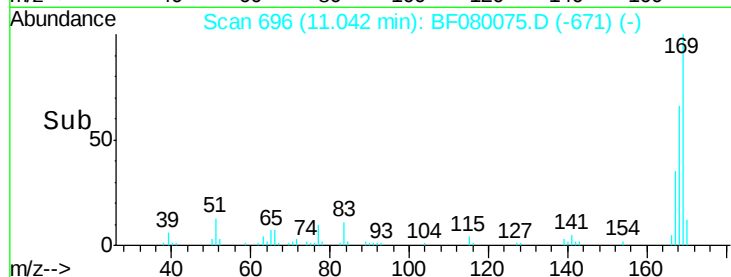
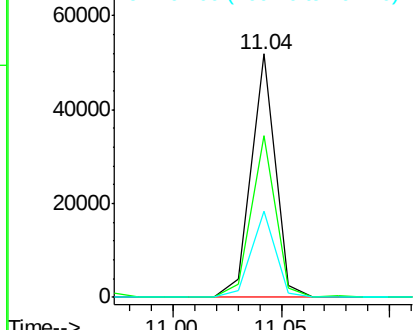
#65
 n-Nitrosodiphenylamine
 Concen: 6.03 ng
 RT: 11.04 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:169 Resp: 40068
 Ion Ratio Lower Upper
 169 100
 168 66.3 48.9 73.3
 167 35.3 26.2 39.4

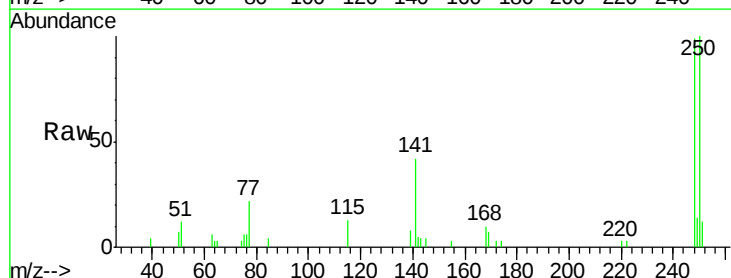


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

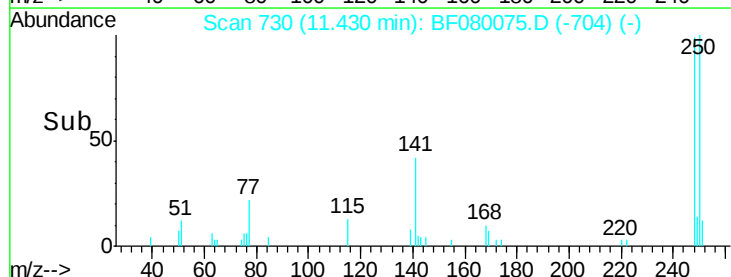
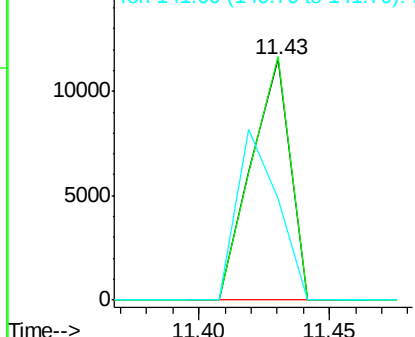


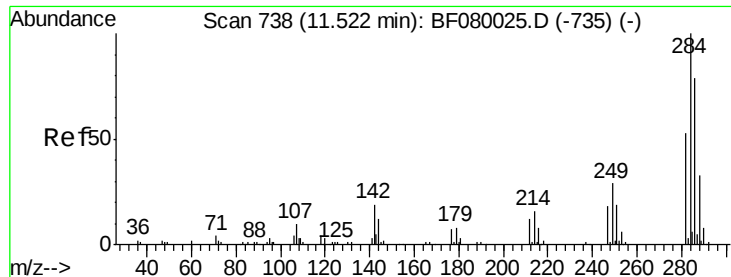
#66
 4-Bromophenyl-phenylether
 Concen: 5.60 ng
 RT: 11.43 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion:248 Resp: 12146
 Ion Ratio Lower Upper
 248 100
 250 101.0 78.5 117.7
 141 42.0 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

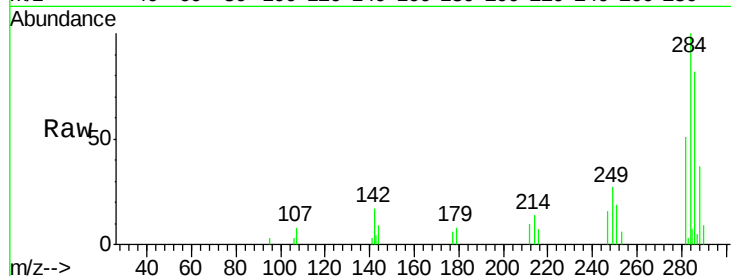




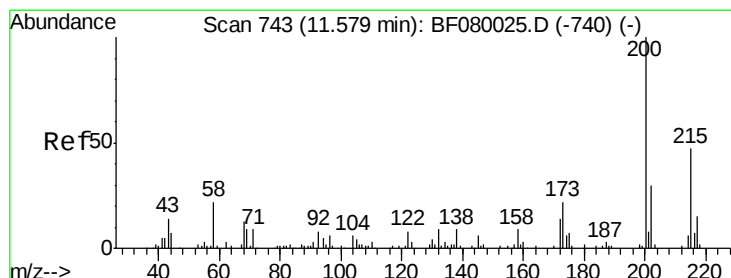
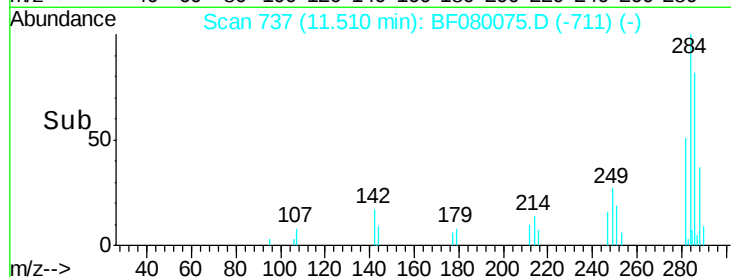
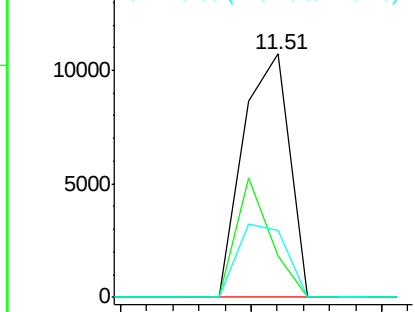
#67
Hexachlorobenzene
Concen: 5.52 ng
RT: 11.51 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2015-01

Tgt Ion:284 Resp: 13300
Ion Ratio Lower Upper
284 100
142 16.8 29.5 44.3#
249 27.4 19.5 29.3

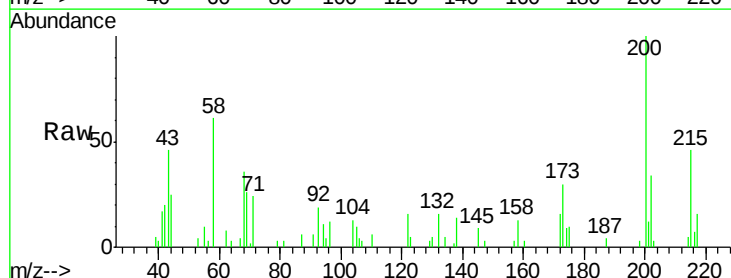


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

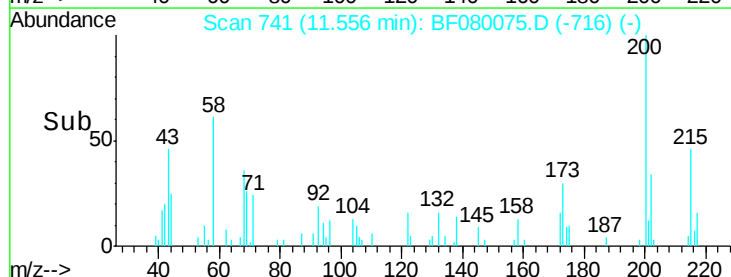
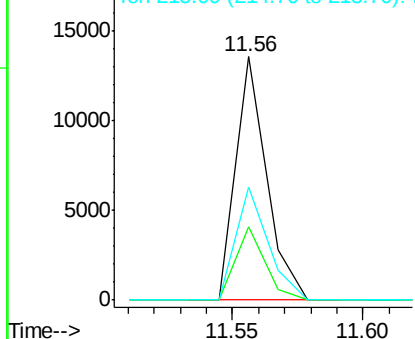


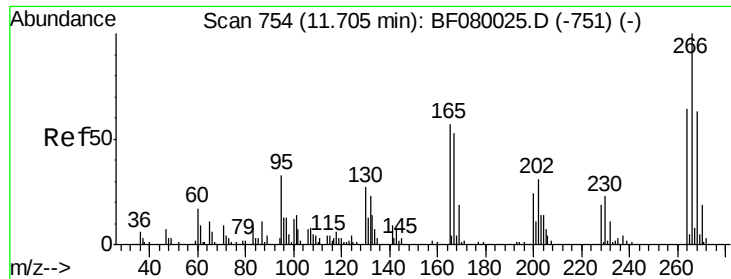
#68
Atrazine
Concen: 5.34 ng
RT: 11.56 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF080075.D
Acq: 20 Jun 2015 2:09

Tgt Ion:200 Resp: 11209
Ion Ratio Lower Upper
200 100
173 30.3 13.2 53.2
215 46.2 41.8 81.8



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

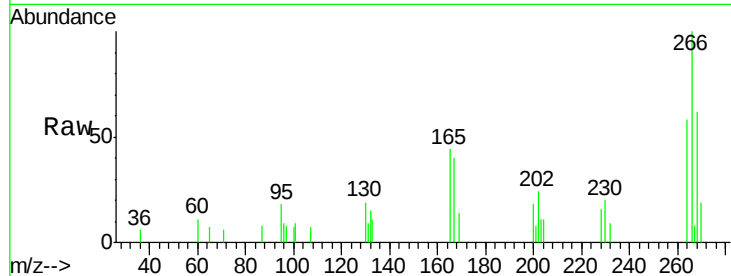




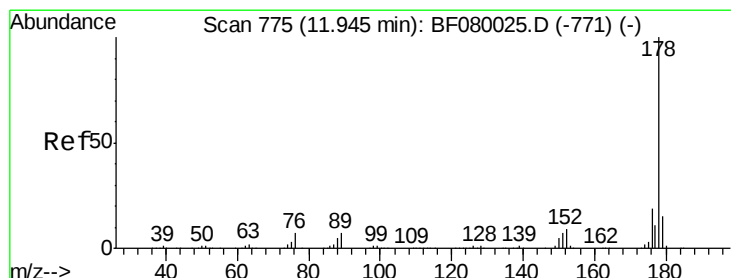
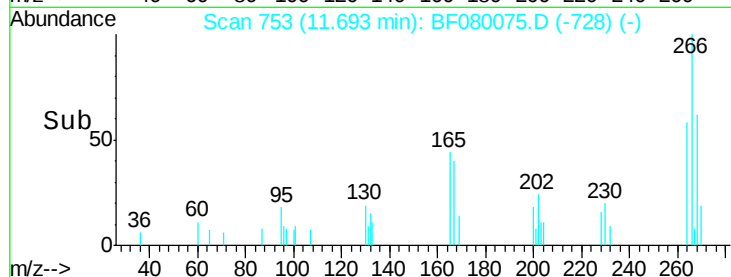
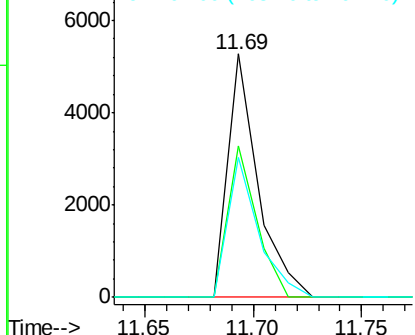
#69
 Pentachlorophenol
 Concen: 3.71 ng
 RT: 11.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion:266 Resp: 5064
 Ion Ratio Lower Upper
 266 100
 268 62.2 49.8 74.6
 264 57.6 50.2 75.2

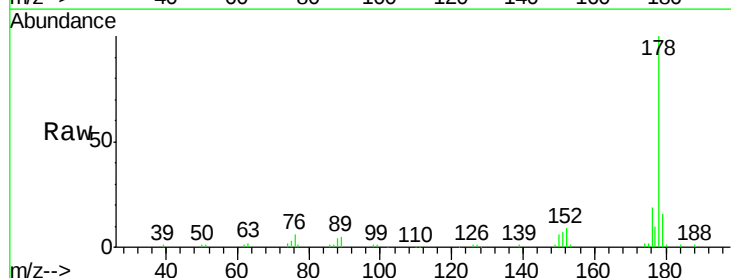


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

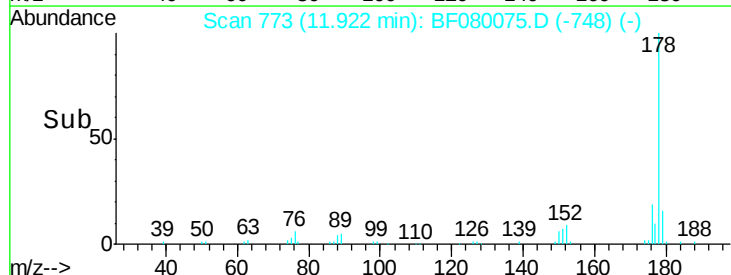
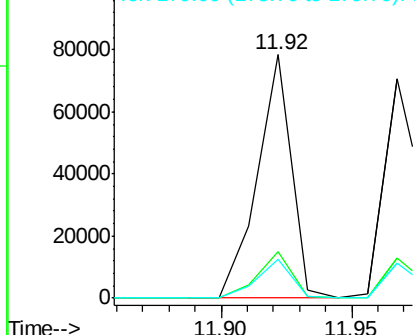


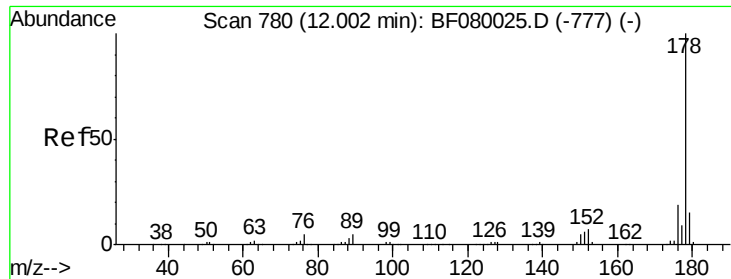
#70
 Phenanthrene
 Concen: 5.79 ng
 RT: 11.92 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion:178 Resp: 71453
 Ion Ratio Lower Upper
 178 100
 176 18.9 13.8 20.8
 179 15.9 12.2 18.2



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

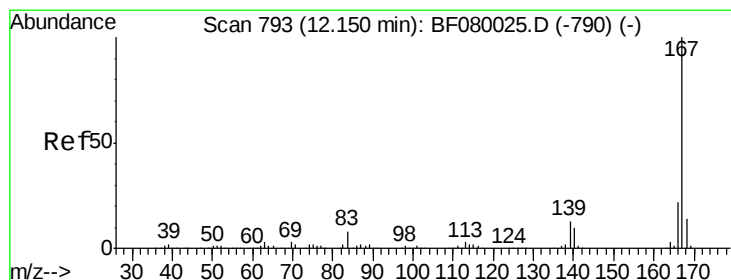
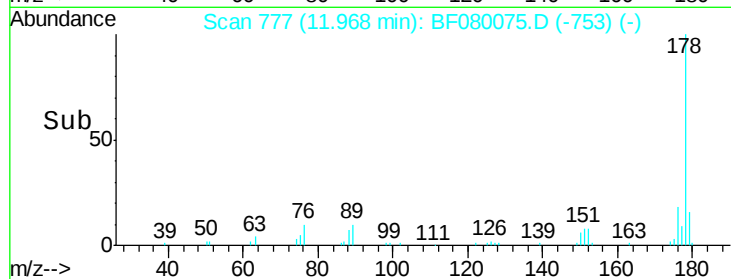
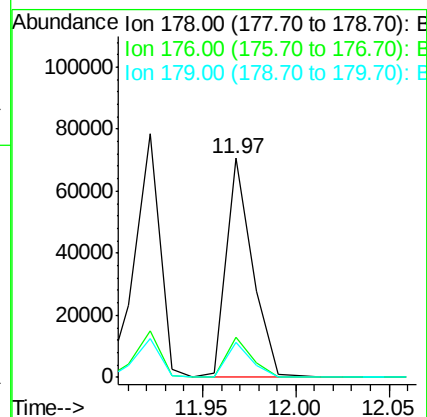
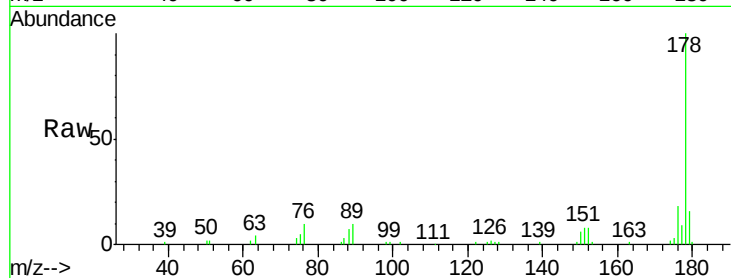




#71
 Anthracene
 Concen: 5.83 ng
 RT: 11.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

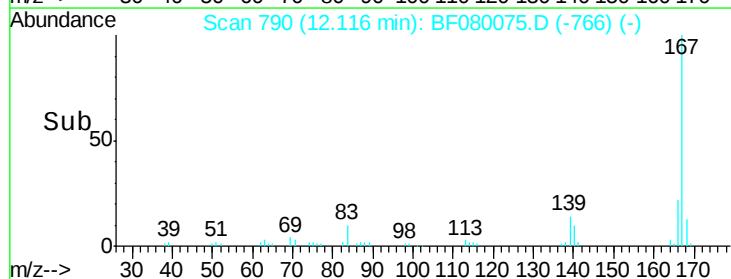
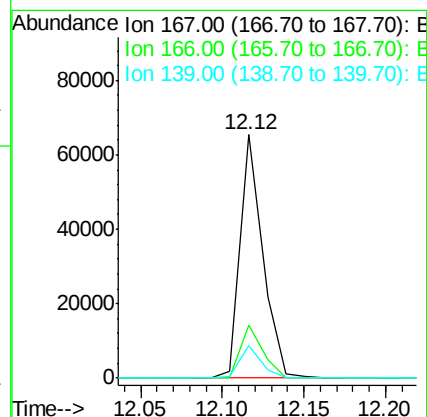
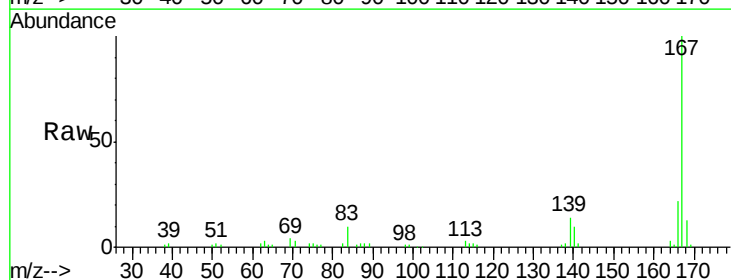
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

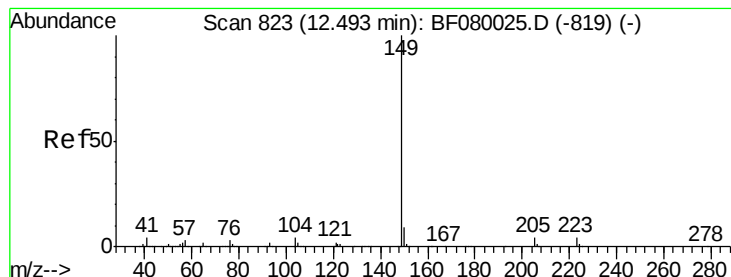
Tgt Ion:178 Resp: 69350
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.1 21.1
 179 15.7 12.2 18.2



#72
 Carbazole
 Concen: 5.46 ng
 RT: 12.12 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion:167 Resp: 61925
 Ion Ratio Lower Upper
 167 100
 166 21.9 15.7 23.5
 139 13.5 9.5 14.3





#73

Di-n-butylphthalate

Concen: 4.58 ng

RT: 12.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

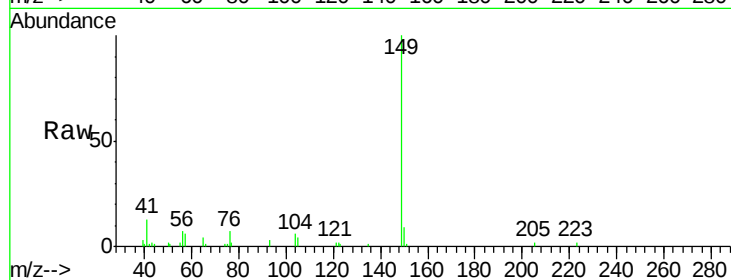
Tgt Ion:149 Resp: 60116

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.2

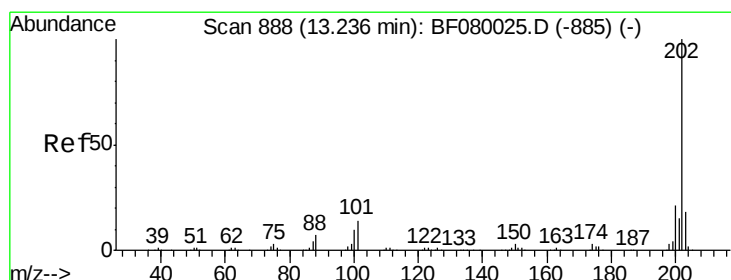
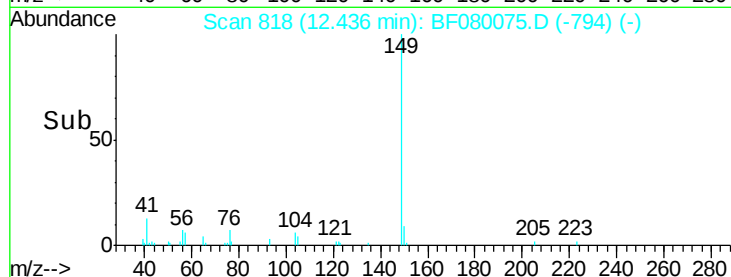
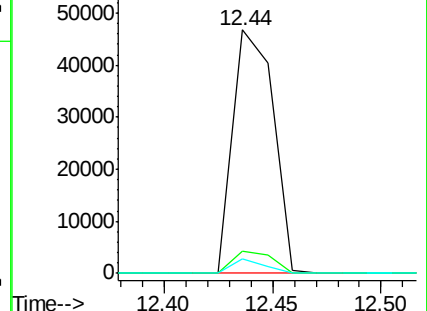
104 6.0 2.4 3.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 5.66 ng

RT: 13.16 min Scan# 881

Delta R.T. -0.03 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

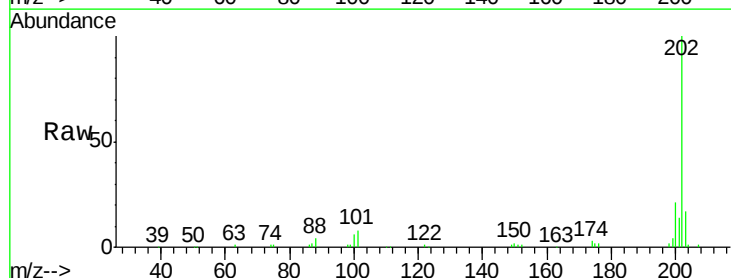
Tgt Ion:202 Resp: 74487

Ion Ratio Lower Upper

202 100

101 8.1 0.0 38.3

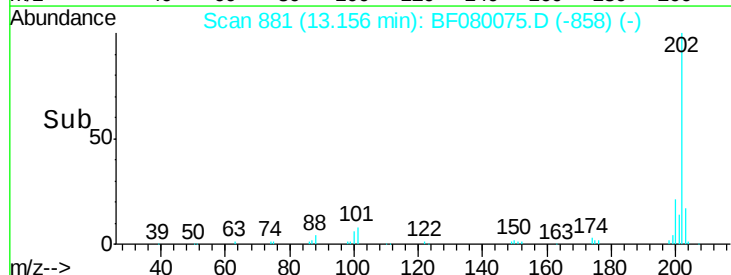
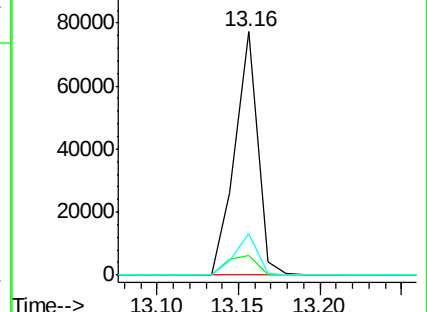
203 17.0 0.0 37.3

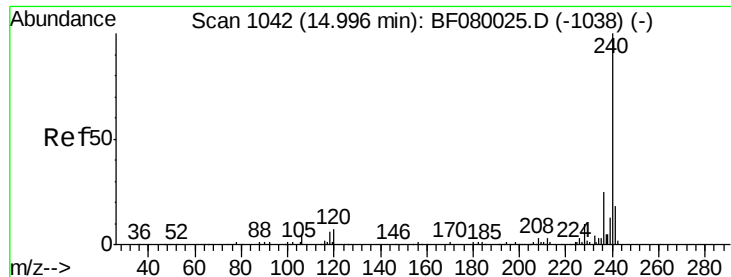


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.77 min Scan# 1022

Delta R.T. -0.09 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

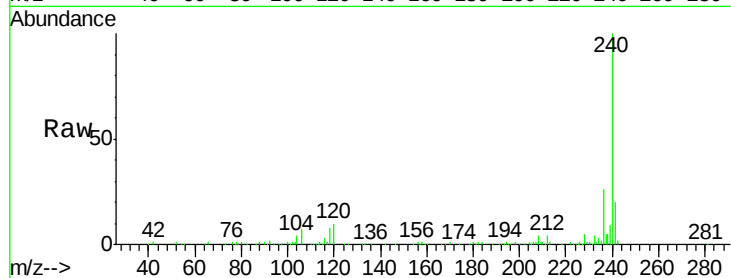
Tgt Ion:240 Resp: 240138

Ion Ratio Lower Upper

240 100

120 9.9 16.2 24.2#

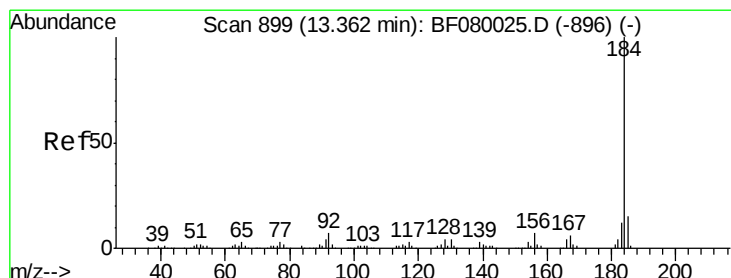
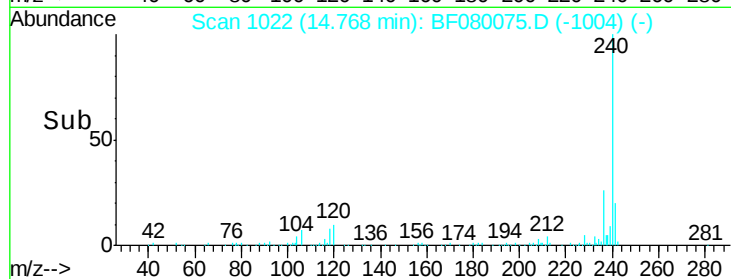
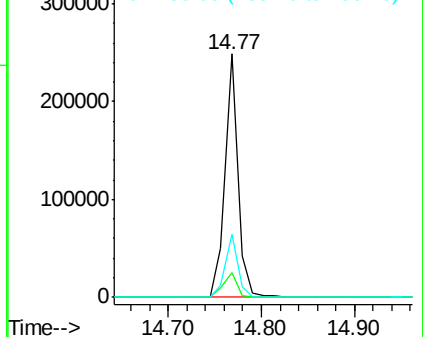
236 26.0 18.4 27.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 1.78 ng

RT: 13.27 min Scan# 891

Delta R.T. -0.03 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

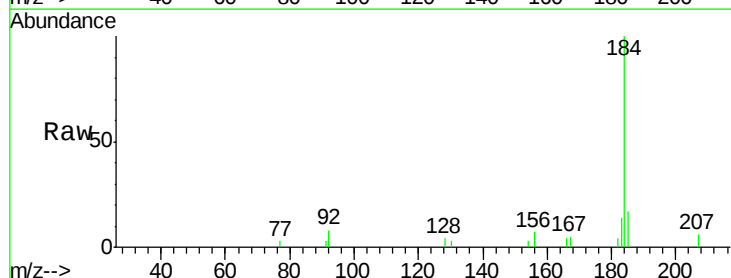
Tgt Ion:184 Resp: 11961

Ion Ratio Lower Upper

184 100

185 17.2 11.8 17.6

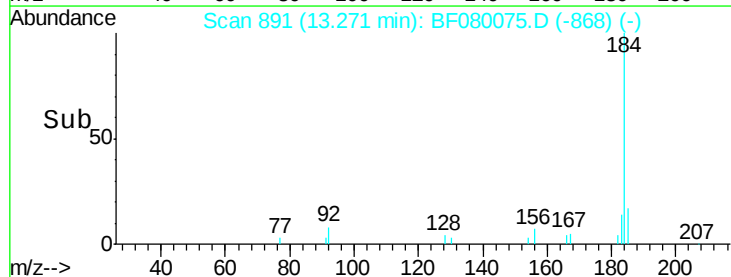
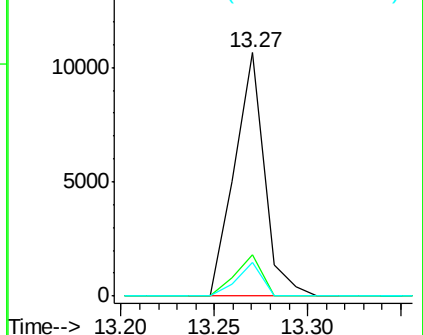
183 13.7 7.6 11.4#

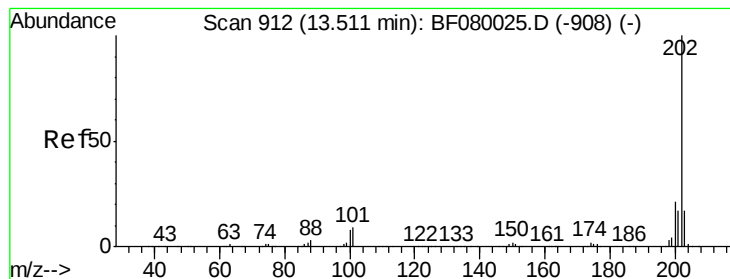


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 5.20 ng

RT: 13.41 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

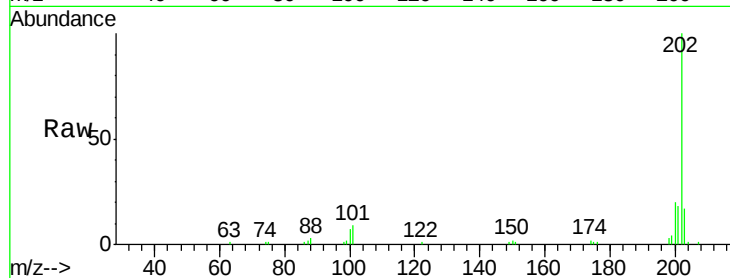
Tgt Ion: 202 Resp: 76871

Ion Ratio Lower Upper

202 100

200 20.2 15.0 22.4

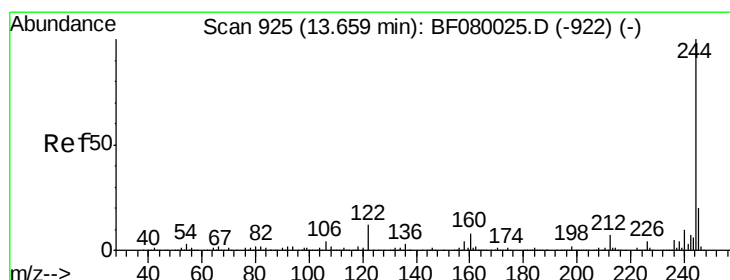
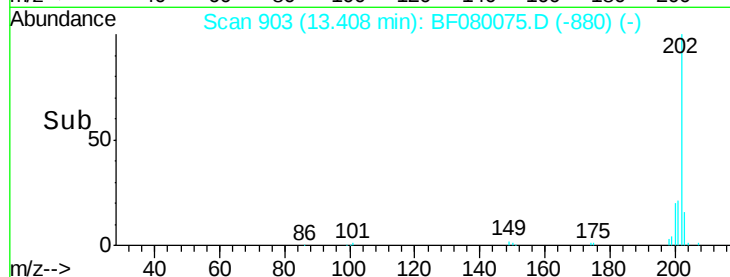
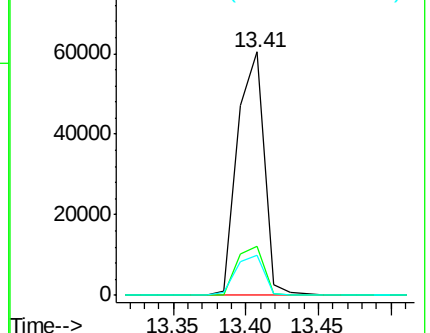
203 16.7 14.1 21.1



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: 68.60 ng

RT: 13.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

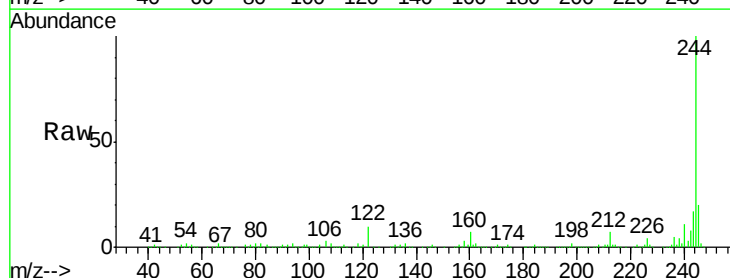
Tgt Ion: 244 Resp: 705372

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

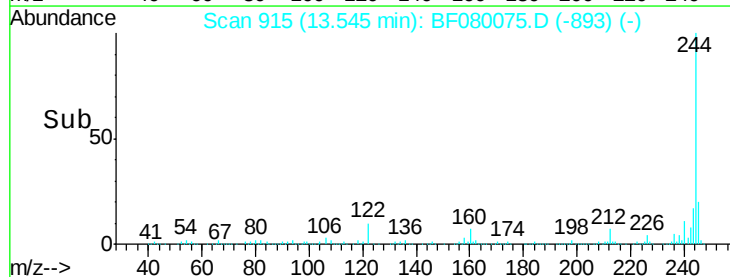
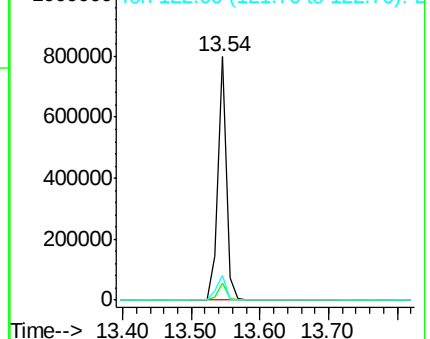
122 10.2 17.4 26.2#

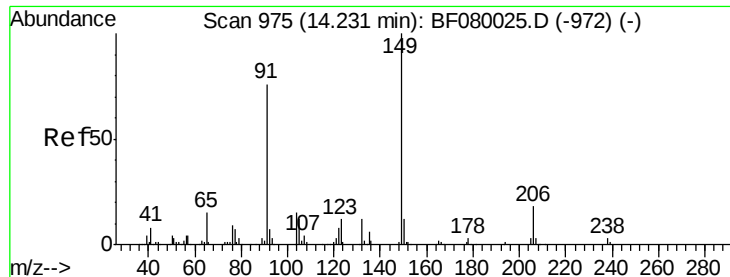


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 4.01 ng

RT: 14.07 min Scan# 961

Delta R.T. -0.07 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

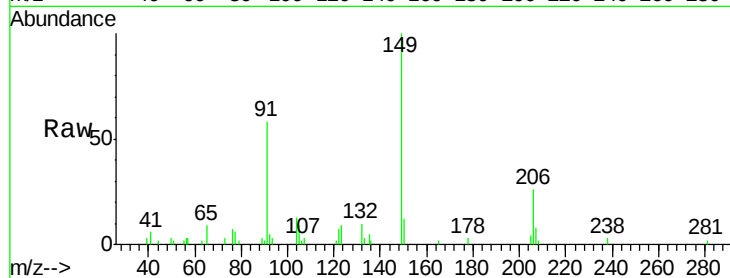
Tgt Ion:149 Resp: 23838

Ion Ratio Lower Upper

149 100

91 58.3 48.6 72.8

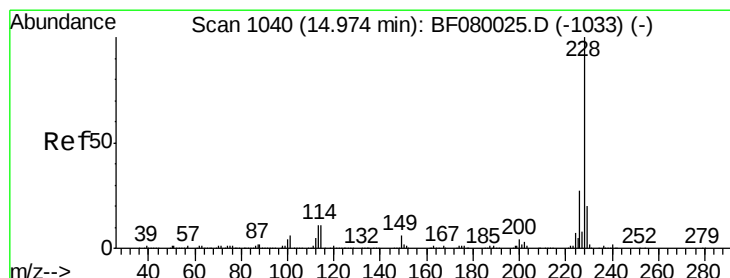
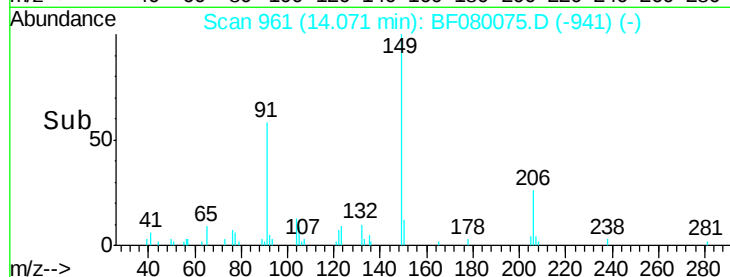
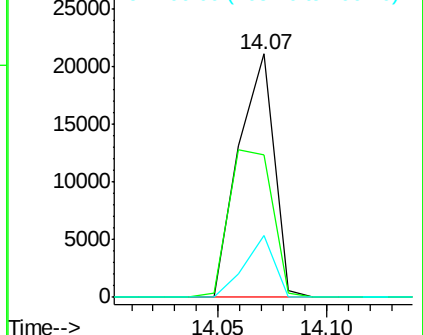
206 25.5 14.9 22.3#



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: 5.38 ng

RT: 14.76 min Scan# 1021

Delta R.T. -0.09 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

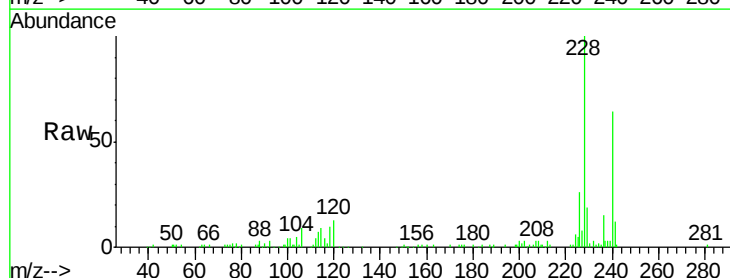
Tgt Ion:228 Resp: 78663

Ion Ratio Lower Upper

228 100

226 26.2 20.0 30.0

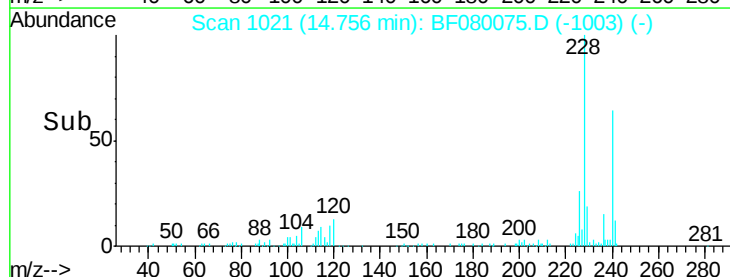
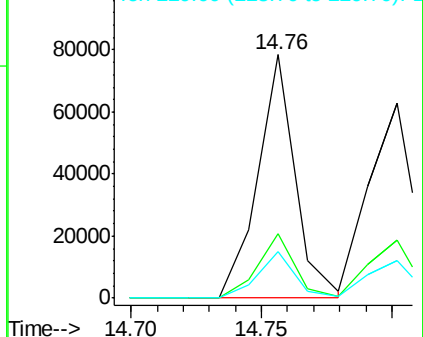
229 19.4 15.4 23.2

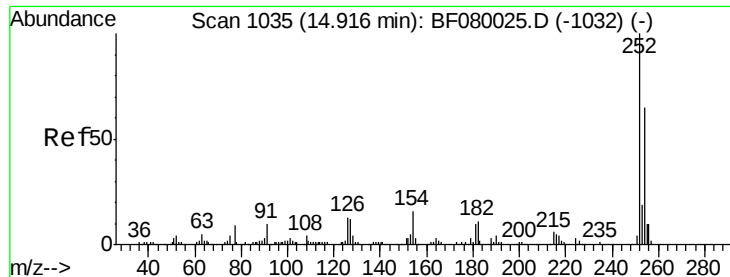


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

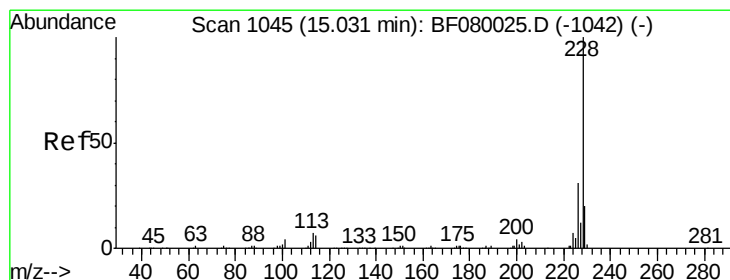
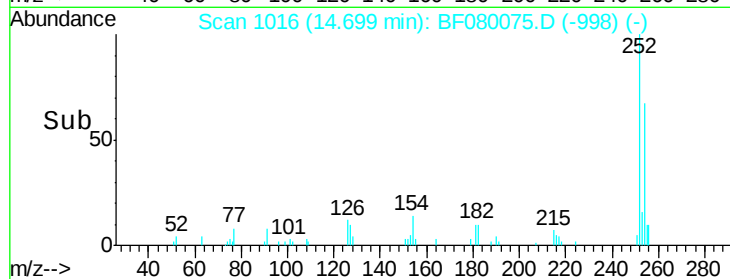
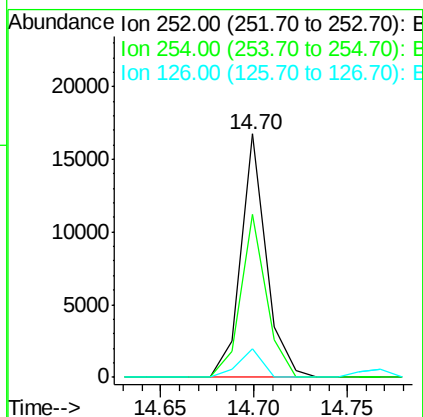
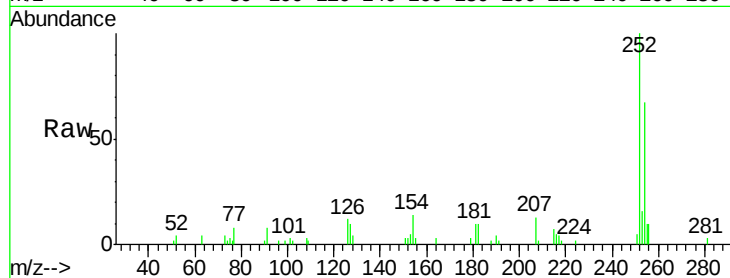




#81
 3,3'-Dichlorobenzidine
 Concen: 3.15 ng
 RT: 14.70 min Scan# 1016
 Delta R.T. -0.09 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

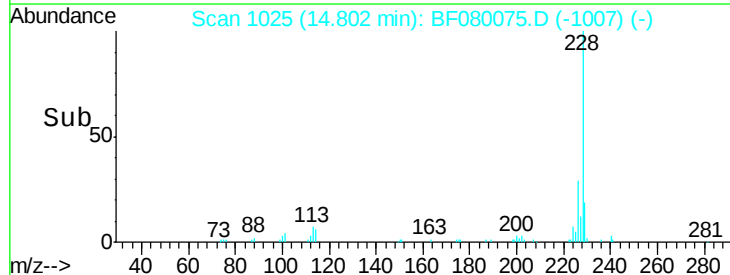
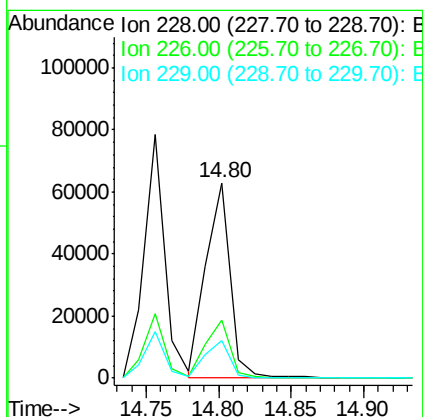
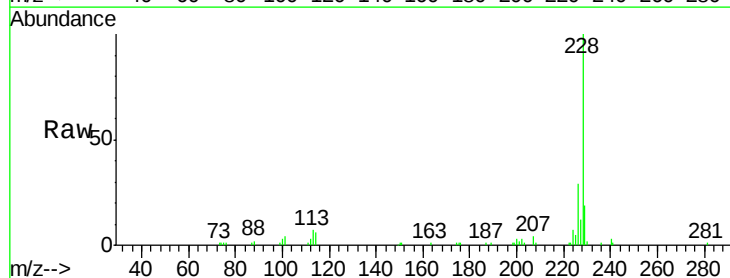
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

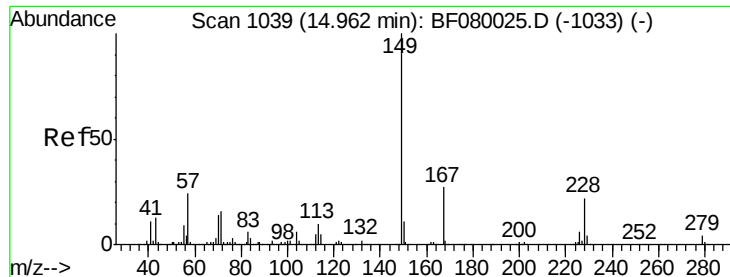
Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.8	51.4	77.2
126	11.8	16.4	24.6#



#82
 Chrysene
 Concen: 5.47 ng
 RT: 14.80 min Scan# 1025
 Delta R.T. -0.09 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.0	31.4
229	19.3	15.6	23.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.33 ng

RT: 14.72 min Scan# 1018

Delta R.T. -0.10 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

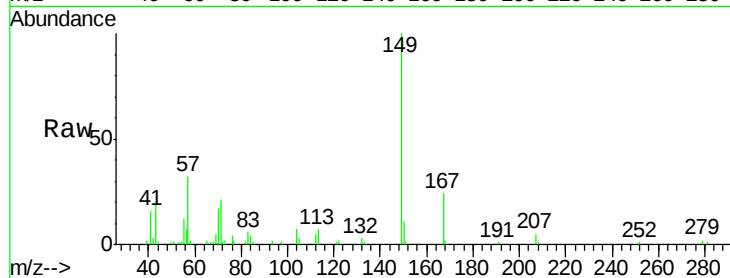
Tgt Ion:149 Resp: 40657

Ion Ratio Lower Upper

149 100

167 24.1 24.2 36.2#

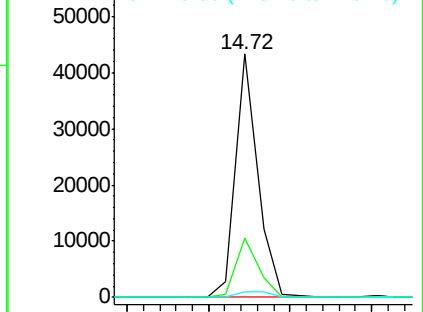
279 2.1 3.8 5.6#



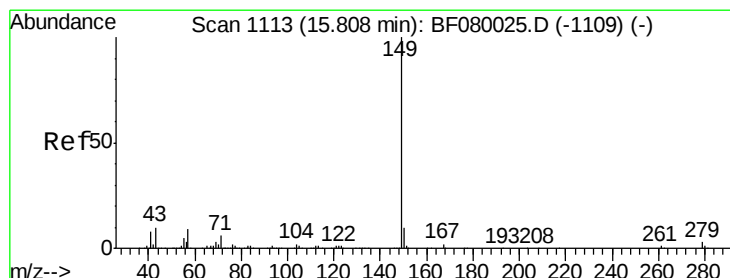
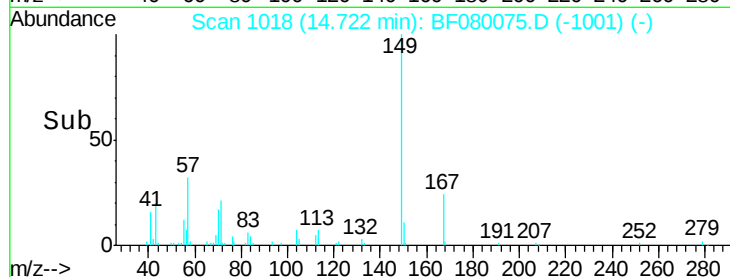
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#84

Di-n-octyl phthalate

Concen: 3.52 ng

RT: 15.49 min Scan# 1085

Delta R.T. -0.15 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

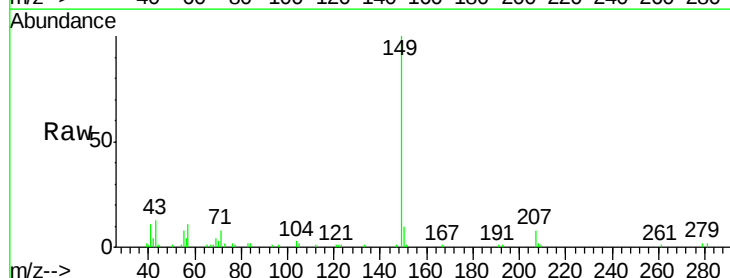
Tgt Ion:149 Resp: 56613

Ion Ratio Lower Upper

149 100

167 1.4 1.0 1.6

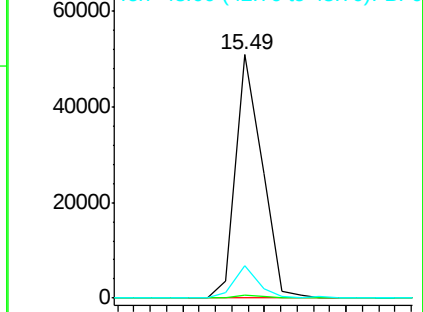
43 12.9 10.2 15.2



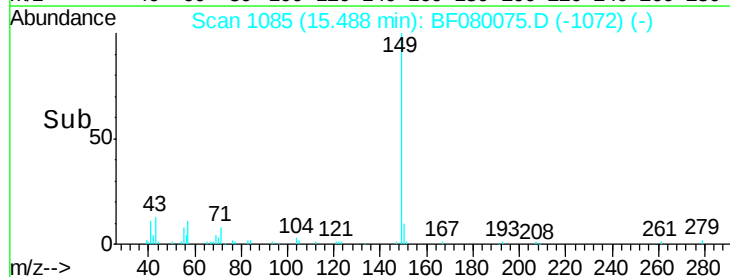
Abundance Ion 149.00 (148.70 to 149.70): E

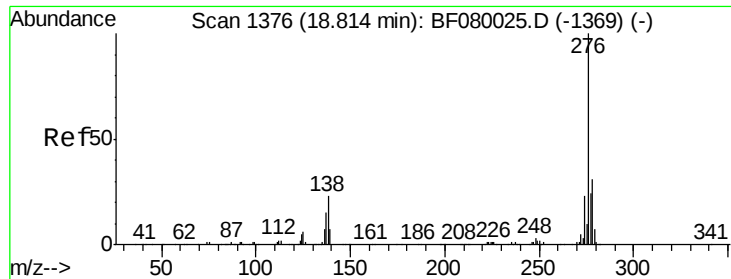
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



Time-->





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.35 ng

RT: 18.43 min Scan# 1342

Delta R.T. -0.19 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

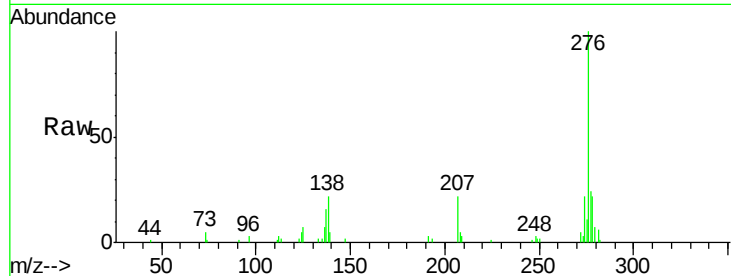
Tgt Ion:276 Resp: 74049

Ion Ratio Lower Upper

276 100

138 24.8 25.7 38.5#

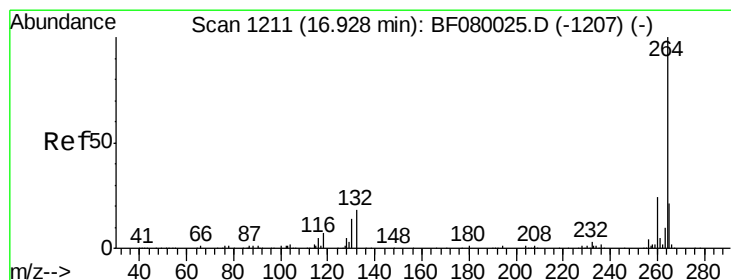
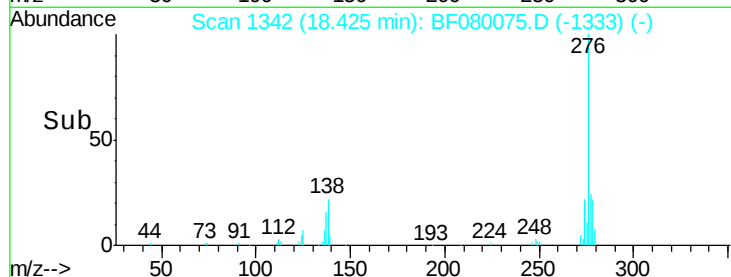
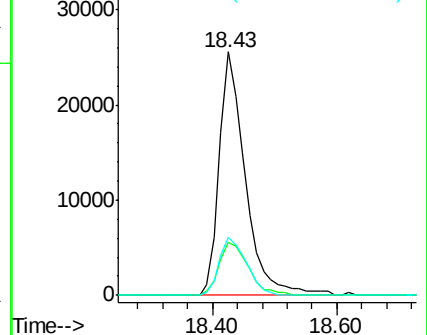
277 24.5 15.6 23.4#



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: 16.60 min Scan# 1182

Delta R.T. -0.15 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

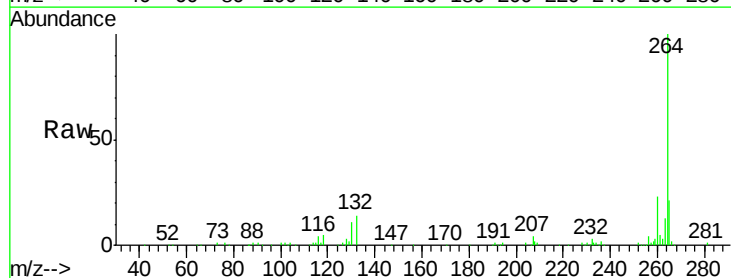
Tgt Ion:264 Resp: 220237

Ion Ratio Lower Upper

264 100

260 22.9 16.7 25.1

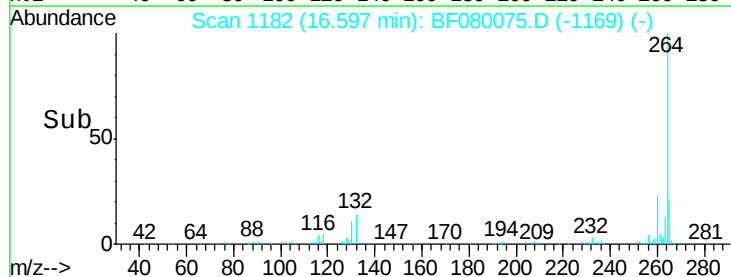
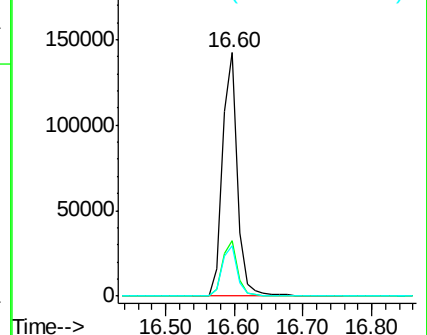
265 20.9 17.2 25.8

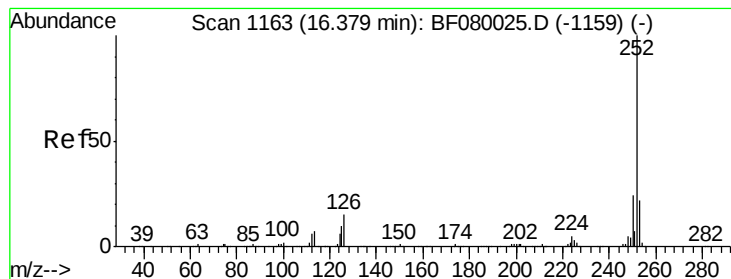


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.26 ng

RT: 16.06 min Scan# 1135

Delta R.T. -0.15 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

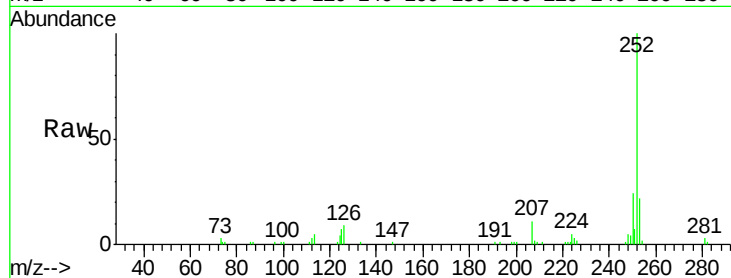
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

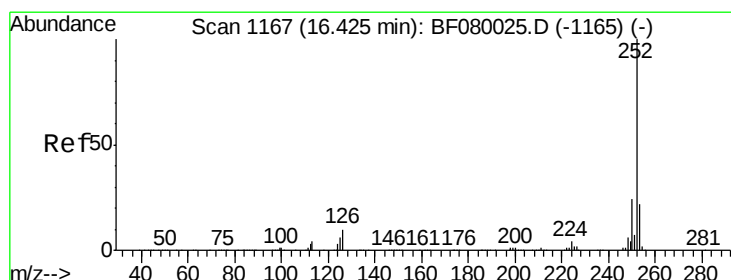
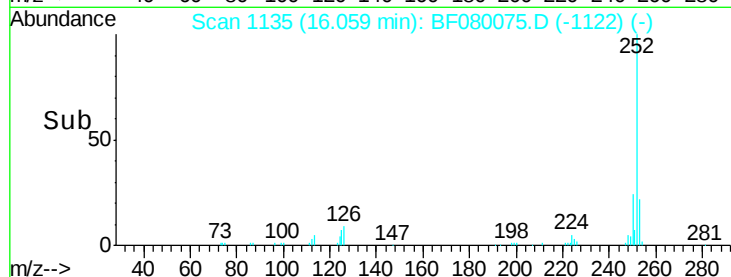
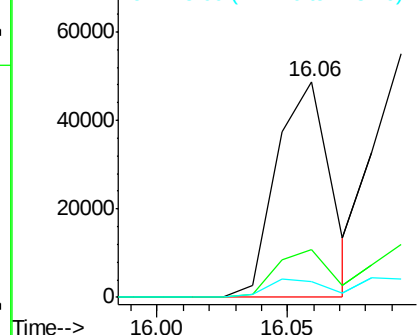
Tgt Ion:	252	Resp:	70116
Ion Ratio		Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.2	17.1	25.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.61 ng

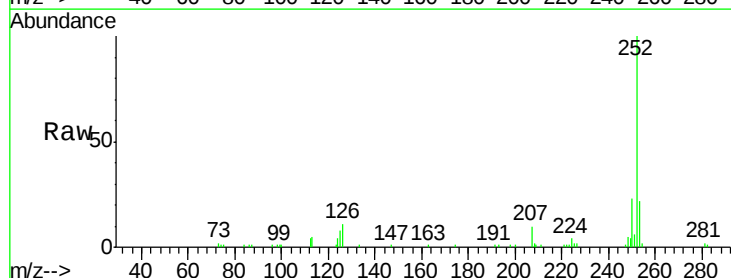
RT: 16.09 min Scan# 1138

Delta R.T. -0.15 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

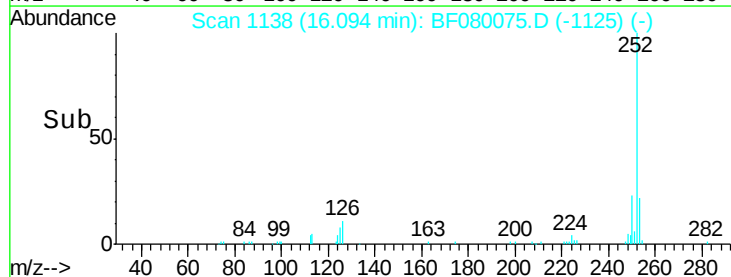
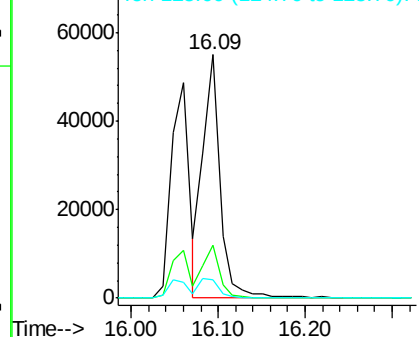
Tgt Ion:	252	Resp:	76119
Ion Ratio		Lower	Upper
252	100		
253	21.5	17.0	25.4
125	7.7	16.0	24.0#

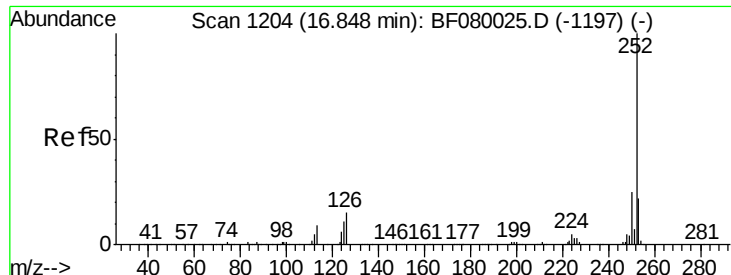


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.23 ng

RT: 16.52 min Scan# 1175

Delta R.T. -0.15 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

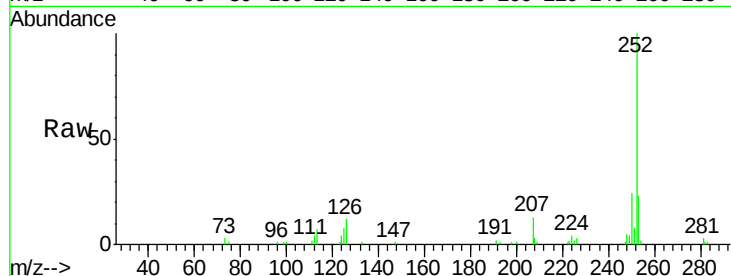
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2015-01

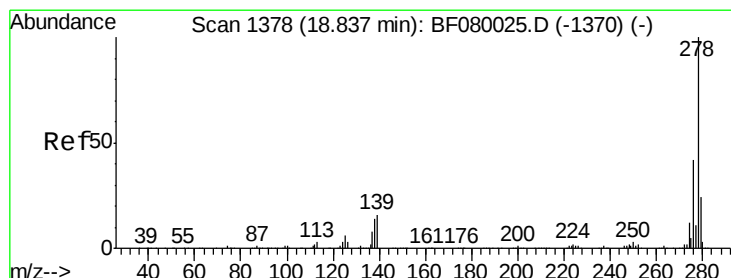
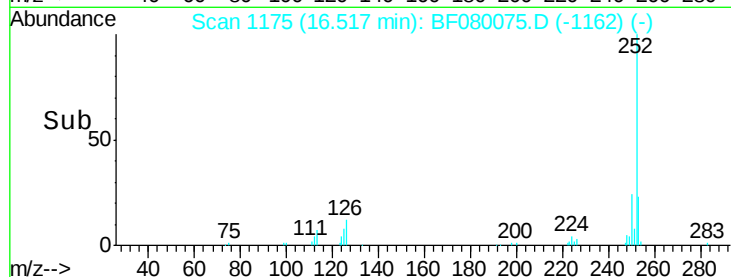
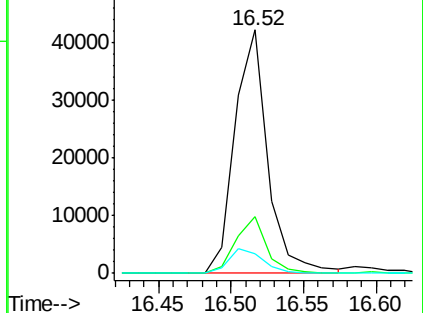
Tgt Ion:	252	Resp:	66223
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.2	25.8
125	8.1	18.0	27.0#



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: 4.83 ng

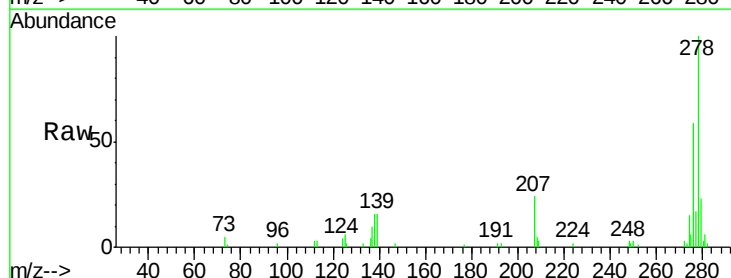
RT: 18.45 min Scan# 1344

Delta R.T. -0.19 min

Lab File: BF080075.D

Acq: 20 Jun 2015 2:09

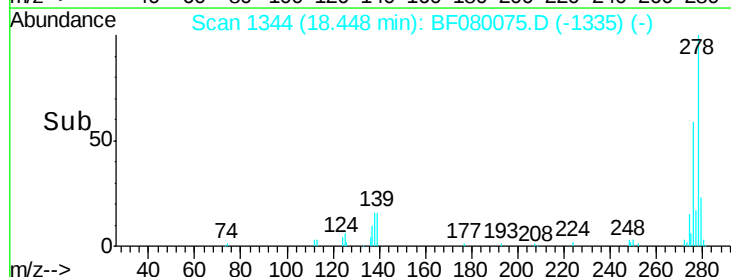
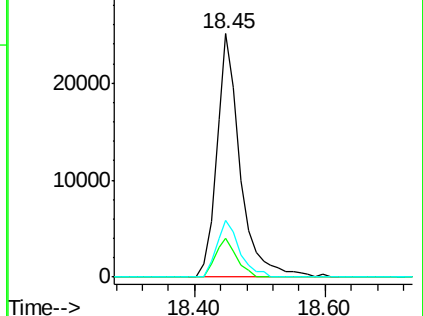
Tgt Ion:	278	Resp:	62603
Ion Ratio	Lower	Upper	
278	100		
139	15.8	26.3	39.5#
279	23.3	18.2	27.4

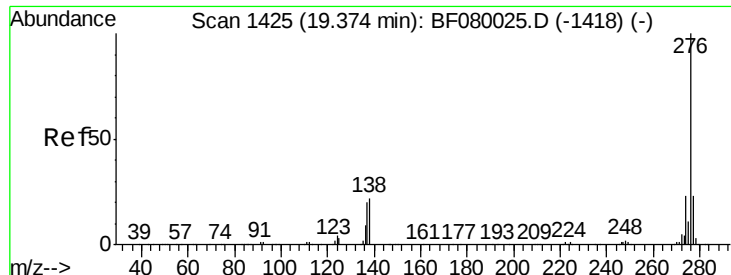


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

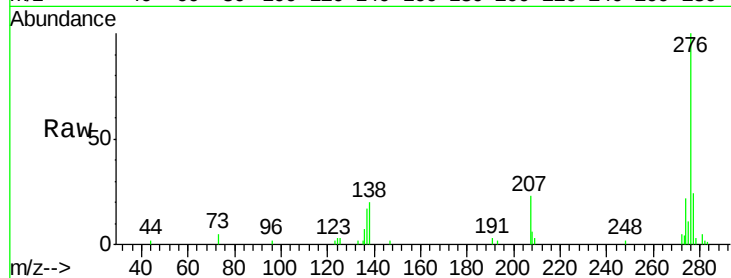




#91
 Benzo(g,h,i)perylene
 Concen: 4.83 ng
 RT: 18.99 min Scan# 1391
 Delta R.T. -0.19 min
 Lab File: BF080075.D
 Acq: 20 Jun 2015 2:09

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2015-01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.8	26.6
138	19.7	34.6	51.8#



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

