

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
 Data File : BF090386.D
 Acq On : 5 Oct 2016 18:18
 Operator : UM/SJ
 Sample : H4818-01
 Misc : LOD 5PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Quant Time: Oct 06 01:07:42 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	230917	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	966310	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	488541	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	733635	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	624065	20.00	ng	-0.01
86) Perylene-d12	15.70	264	452473	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	1844993	119.25	ng	0.01
7) Phenol-d6	6.62	99	2250191	111.04	ng	0.00
23) Nitrobenzene-d5	7.56	82	1566837	78.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	516778	130.09	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2546582	86.85	ng	-0.01
78) Terphenyl-d14	13.14	244	2462435	88.71	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	34263	4.49	ng	94
3) Pyridine	3.62	79	68089	3.20	ng	87
4) n-Nitrosodimethylamine	3.51	42	38325	4.37	ng	# 75
6) Aniline	6.66	93	120737	4.31	ng	99
8) 2-Chlorophenol	6.78	128	80318	4.72	ng	89
9) Benzaldehyde	6.54	77	45862	4.48	ng	92
10) Phenol	6.63	94	139942	5.94	ng	95
11) bis(2-Chloroethyl)ether	6.73	93	74029	4.10	ng	# 80
12) 1,3-Dichlorobenzene	6.94	146	78408	4.62	ng	95
13) 1,4-Dichlorobenzene	6.94	146	78408	4.55	ng	98
14) 1,2-Dichlorobenzene	7.17	146	76608	4.61	ng	98
15) Benzyl Alcohol	7.14	79	94392	6.13	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.27	45	138235	4.52	ng	98
17) 2-Methylphenol	7.24	107	57645	4.12	ng	95
18) Hexachloroethane	7.51	117	27851	4.10	ng	# 87
19) n-Nitroso-di-n-propylamine	7.40	70	66172	4.45	ng	# 91
20) 3+4-Methylphenols	7.40	107	85281	4.70	ng	# 62
22) Acetophenone	7.40	105	105427	4.61	ng	# 92
24) Nitrobenzene	7.58	77	93841	4.76	ng	93
25) Isophorone	7.81	82	159077	4.38	ng	# 92
26) 2-Nitrophenol	7.90	139	32659	3.85	ng	93
27) 2,4-Dimethylphenol	7.94	122	73848	4.47	ng	96
28) bis(2-Chloroethoxy)methane	8.03	93	96644	4.50	ng	# 94
29) 2,4-Dichlorophenol	8.14	162	51357	4.09	ng	96
30) 1,2,4-Trichlorobenzene	8.23	180	53294	4.12	ng	95
31) Naphthalene	8.31	128	218057	4.68	ng	95
32) Benzoic acid	7.98	122	35561	3.10	ng	90
33) 4-Chloroaniline	8.35	127	77509	4.02	ng	94
34) Hexachlorobutadiene	8.43	225	26699	3.69	ng	98
35) Caprolactam	8.68	113	17200	4.08	ng	96
36) 4-Chloro-3-methylphenol	8.83	107	70223	4.47	ng	100
37) 2-Methylnaphthalene	9.00	142	125407	4.44	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	51856	4.03	ng	# 97
40) Hexachlorocyclopentadiene	9.16	237	23899	3.39	ng	99

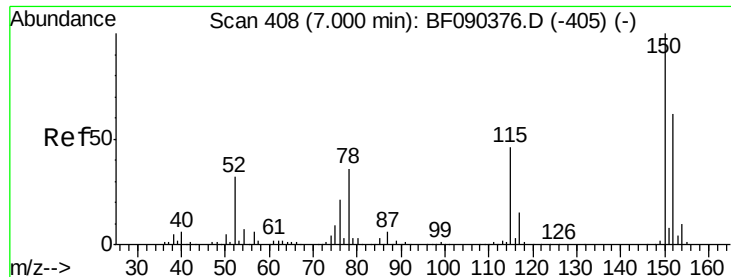
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
 Data File : BF090386.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.29	196	34098	3.84	ng	99
43) 2,4,5-Trichlorophenol	9.32	196	32466	3.86	ng #	93
45) 1,1'-Biphenyl	9.47	154	173774	4.80	ng	94
46) 2-Chloronaphthalene	9.49	162	116622	4.36	ng	97
47) 2-Nitroaniline	9.58	65	47416	4.49	ng	95
48) Acenaphthylene	9.91	152	195742	4.44	ng	96
49) Dimethylphthalate	9.77	163	134295	4.29	ng	97
50) 2,6-Dinitrotoluene	9.82	165	29177	4.20	ng	95
51) Acenaphthene	10.09	154	123943	4.50	ng	97
52) 3-Nitroaniline	9.99	138	31679	3.90	ng	84
53) 2,4-Dinitrophenol	10.10	184	6531	2.11	ng #	70
54) Dibenzofuran	10.26	168	161729	4.54	ng	98
55) 4-Nitrophenol	10.14	139	26193	3.69	ng	88
56) 2,4-Dinitrotoluene	10.22	165	37468	4.05	ng #	22
57) Fluorene	10.60	166	144501	4.83	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.37	232	24830	3.96	ng #	77
59) Diethylphthalate	10.46	149	134209	4.15	ng #	88
60) 4-Chlorophenyl-phenylether	10.59	204	56077	4.12	ng #	85
61) 4-Nitroaniline	10.60	138	35350	4.32	ng	88
62) Azobenzene	10.75	77	162213	4.34	ng	86
64) 4,6-Dinitro-2-methylphenol	10.63	198	11818	7.55	ng #	71
65) n-Nitrosodiphenylamine	10.70	169	107995	4.39	ng	99
66) 4-Bromophenyl-phenylether	11.08	248	28881	4.02	ng #	72
67) Hexachlorobenzene	11.15	284	36008	4.50	ng #	82
68) Atrazine	11.23	200	26703	4.41	ng	97
69) Pentachlorophenol	11.34	266	18403	3.86	ng	99
70) Phenanthrene	11.56	178	181365	4.83	ng	95
71) Anthracene	11.62	178	196179	5.11	ng	95
72) Carbazole	11.77	167	192054	5.39	ng	96
73) Di-n-butylphthalate	12.10	149	209227	4.82	ng	97
74) Fluoranthene	12.76	202	169312	4.59	ng	90
76) Benzidine	12.87	184	100456	6.12	ng	98
77) Pyrene	12.99	202	188812	4.54	ng	97
79) Butylbenzylphthalate	13.61	149	91721	4.30	ng #	73
80) Benzo(a)anthracene	14.18	228	162761	4.65	ng	96
81) 3,3'-Dichlorobenzidine	14.14	252	50101	3.95	ng #	98
82) Chrysene	14.21	228	149790	4.65	ng	96
83) Bis(2-ethylhexyl)phthalate	14.18	149	130060	4.29	ng	97
84) Di-n-octyl phthalate	14.80	149	202886	4.51	ng #	99
85) Indeno(1,2,3-cd)pyrene	17.21	276	95838	4.17	ng #	93
87) Benzo(b)fluoranthene	15.25	252	125361	4.35	ng #	96
88) Benzo(k)fluoranthene	15.25	252	125361	4.63	ng #	94
89) Benzo(a)pyrene	15.63	252	103540	4.17	ng	96
90) Dibenzo(a,h)anthracene	17.23	278	80701	3.82	ng #	93
91) Benzo(g,h,i)perylene	17.66	276	76178	3.76	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

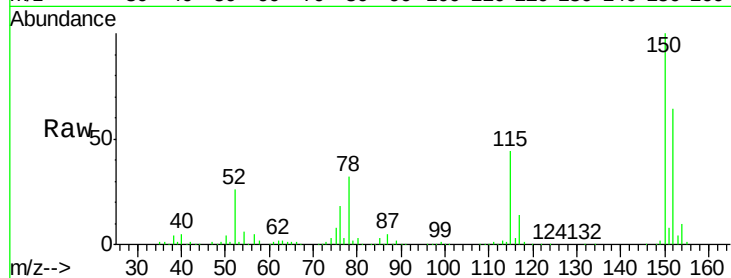
Tgt Ion:152 Resp: 230917

Ion Ratio Lower Upper

152 100

150 156.1 124.6 186.8

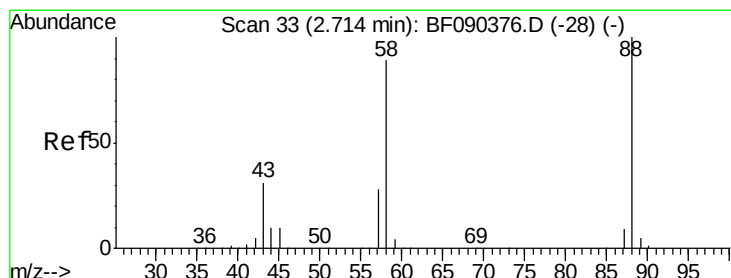
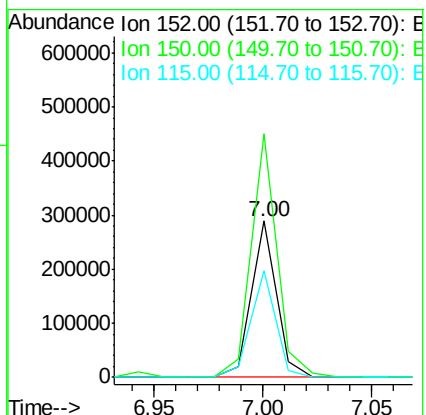
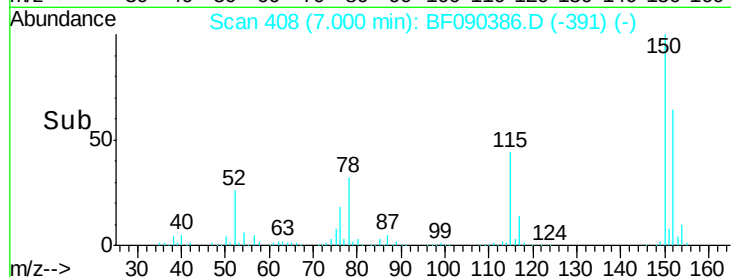
115 68.0 46.2 69.4



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: 4.49 ng

RT: 2.83 min Scan# 43

Delta R.T. 0.11 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

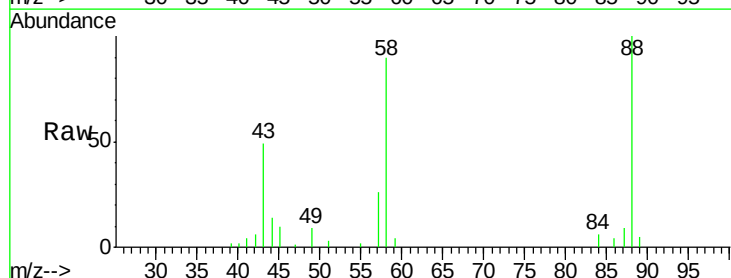
Tgt Ion: 88 Resp: 34263

Ion Ratio Lower Upper

88 100

58 84.0 71.2 106.8

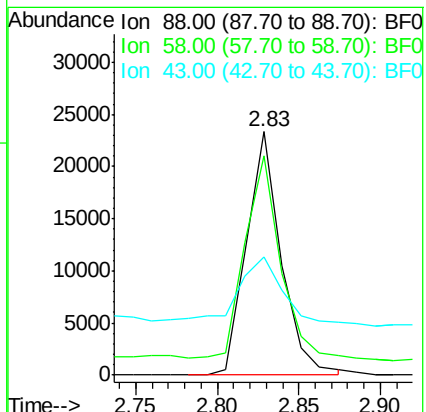
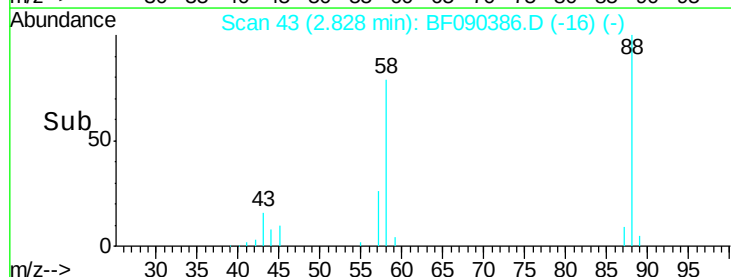
43 33.0 29.8 44.6

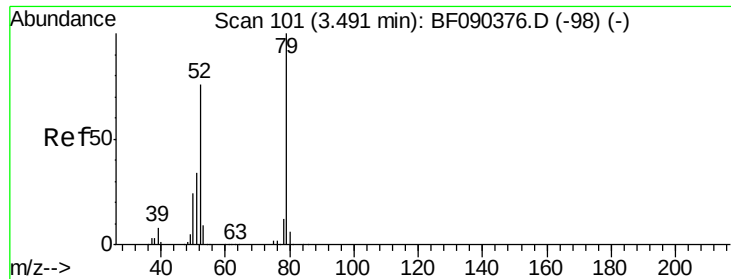


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 3.20 ng

RT: 3.62 min Scan# 112

Delta R.T. 0.13 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

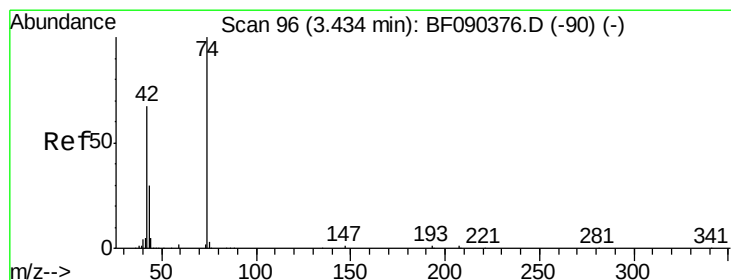
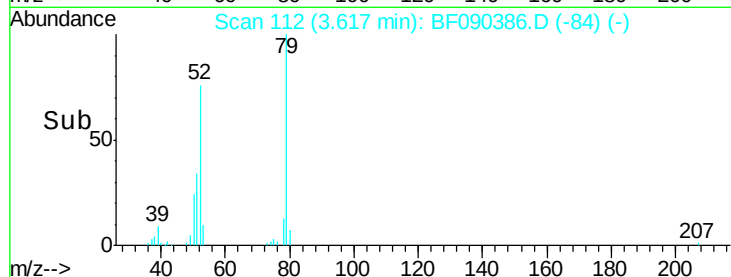
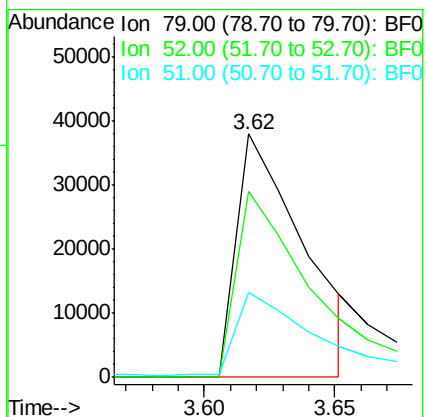
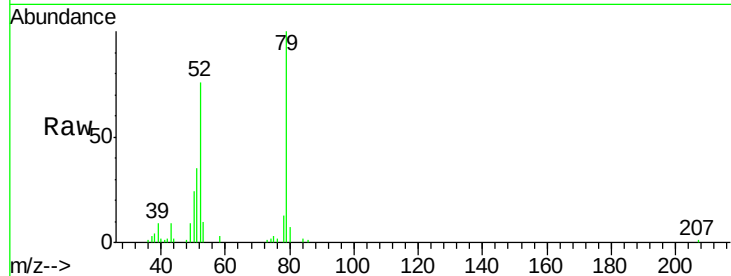
Tgt Ion: 79 Resp: 68089

Ion Ratio Lower Upper

79 100

52 76.2 71.3 106.9

51 35.1 34.5 51.7



#4

n-Nitrosodimethylamine

Concen: 4.37 ng

RT: 3.51 min Scan# 103

Delta R.T. 0.08 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

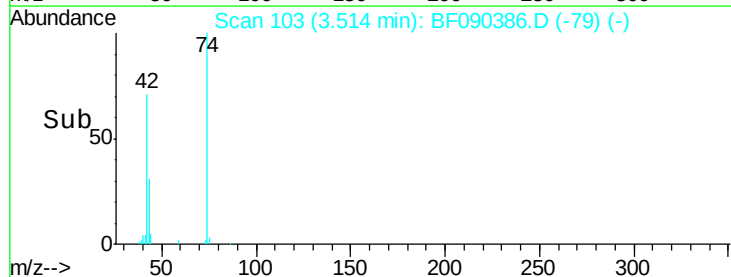
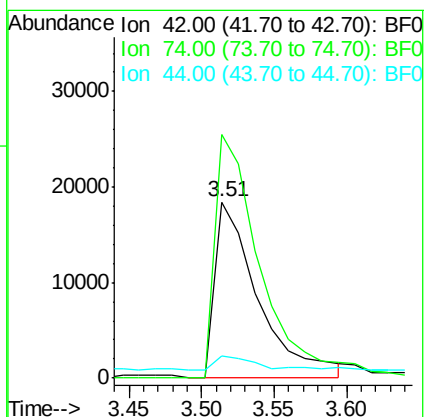
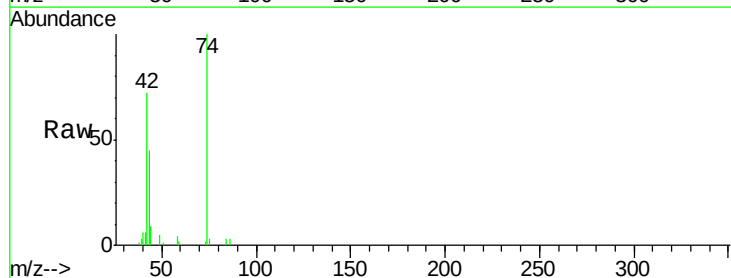
Tgt Ion: 42 Resp: 38325

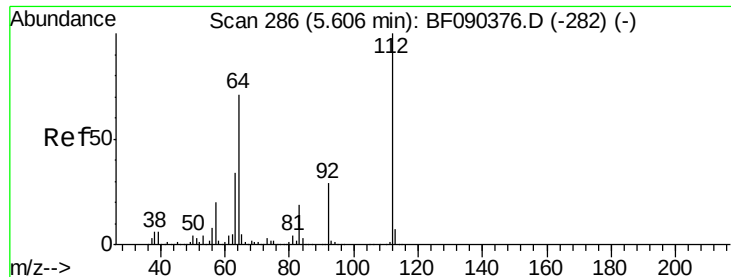
Ion Ratio Lower Upper

42 100

74 138.3 88.9 133.3#

44 12.3 6.5 9.7#





#5

2-Fluorophenol

Concen: 119.25 ng

RT: 5.62 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

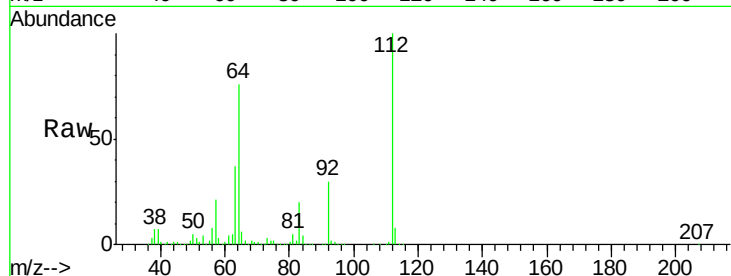
Tgt Ion: 112 Resp: 1844993

Ion Ratio Lower Upper

112 100

64 76.3 57.9 86.9

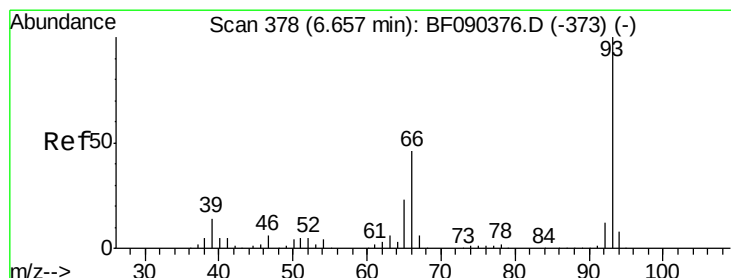
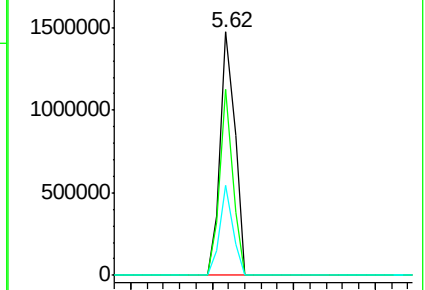
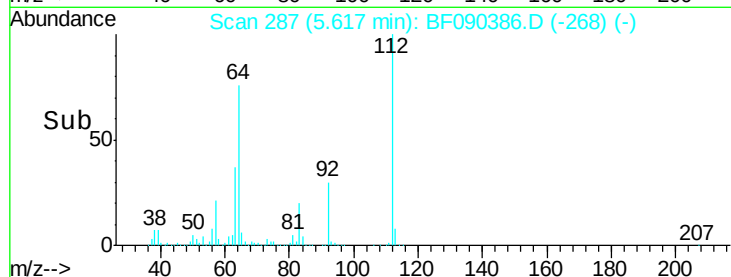
63 36.7 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 4.31 ng

RT: 6.66 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

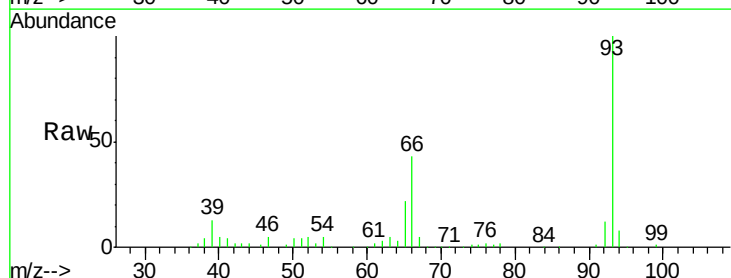
Tgt Ion: 93 Resp: 120737

Ion Ratio Lower Upper

93 100

66 42.8 34.5 51.7

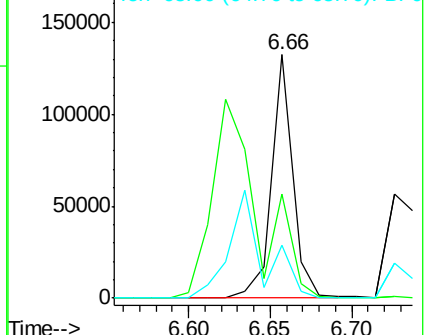
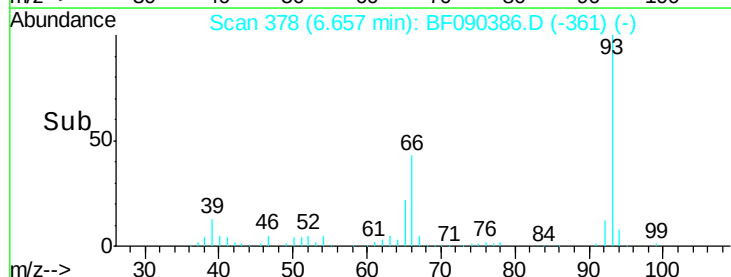
65 21.9 18.2 27.2

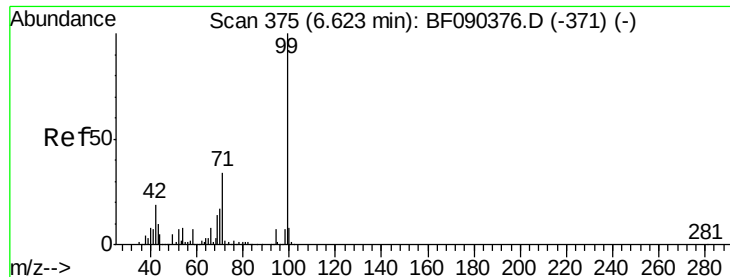


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 111.04 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

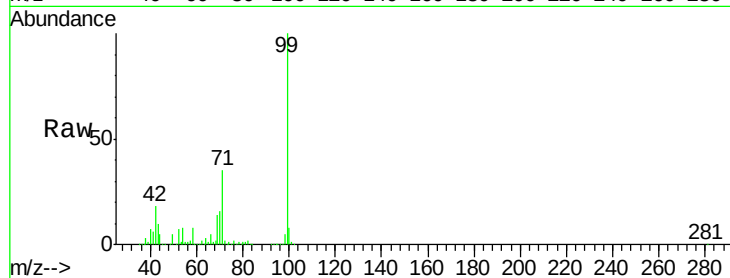
Tgt Ion: 99 Resp: 2250191

Ion Ratio Lower Upper

99 100

42 18.4 20.0 30.0#

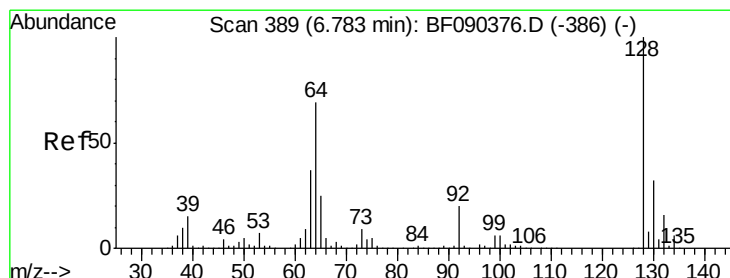
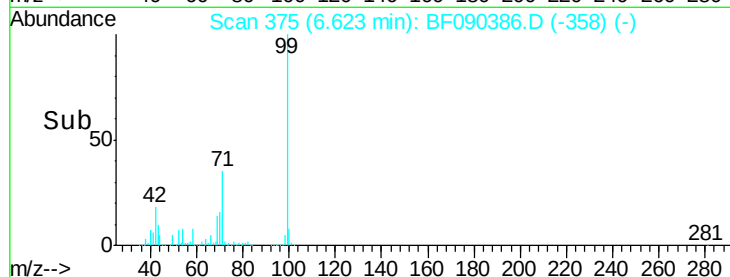
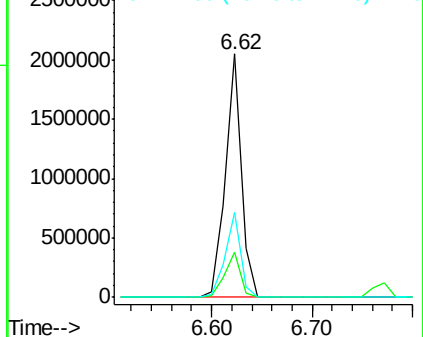
71 34.8 27.9 41.9



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: 4.72 ng

RT: 6.78 min Scan# 389

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

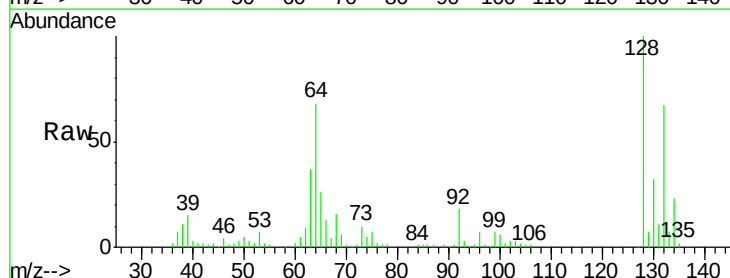
Tgt Ion: 128 Resp: 80318

Ion Ratio Lower Upper

128 100

130 31.6 13.3 53.3

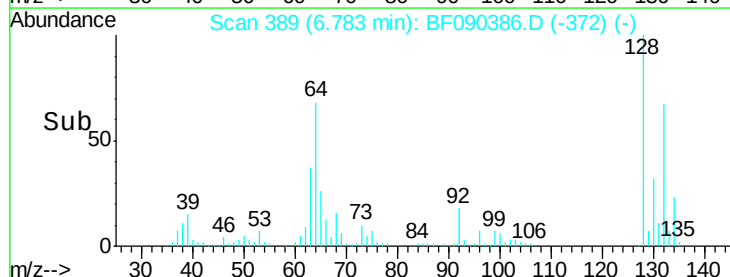
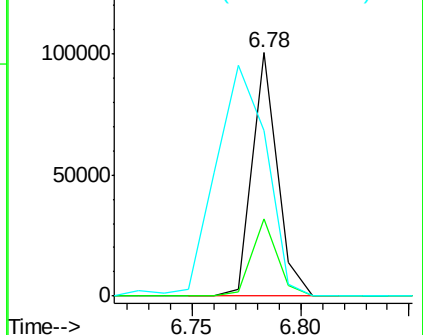
64 68.1 36.0 76.0

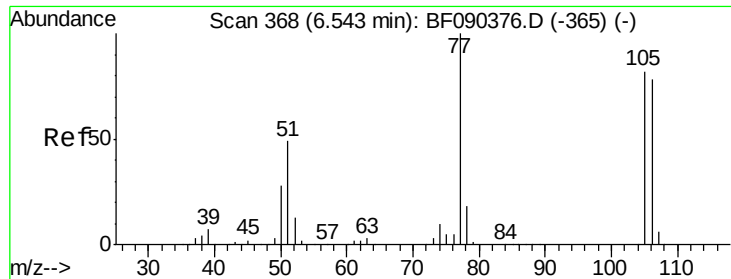


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 4.48 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

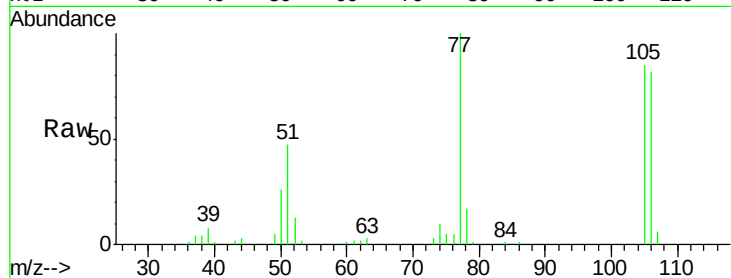
Tgt Ion: 77 Resp: 45862

Ion Ratio Lower Upper

77 100

105 84.9 73.1 113.1

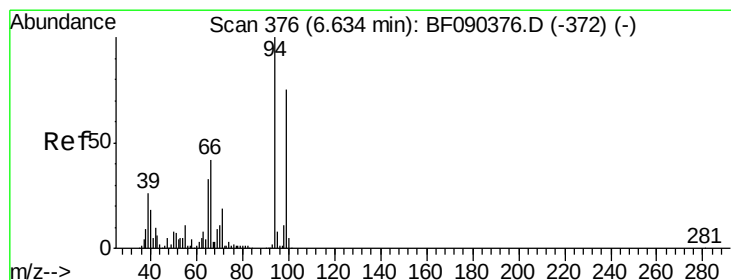
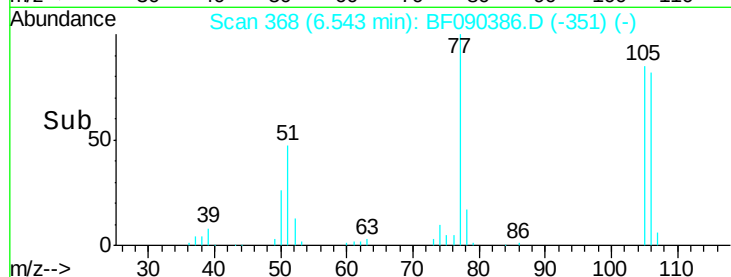
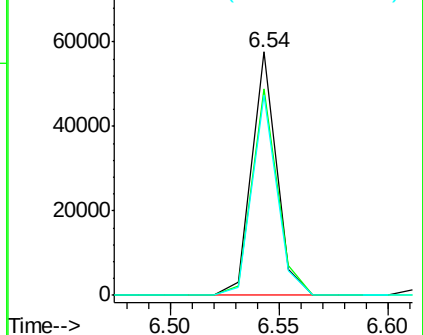
106 82.4 70.2 110.2



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 5.94 ng

RT: 6.63 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

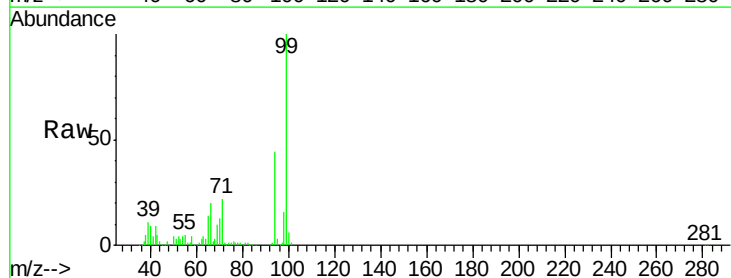
Tgt Ion: 94 Resp: 139942

Ion Ratio Lower Upper

94 100

65 33.0 13.3 53.3

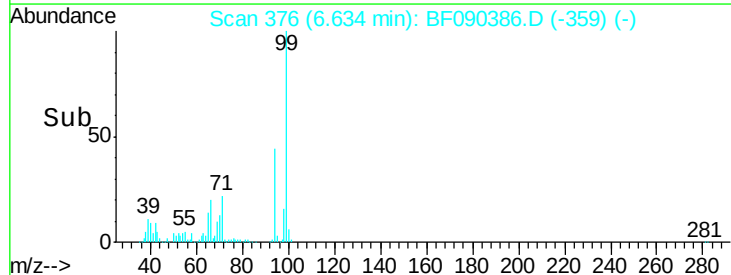
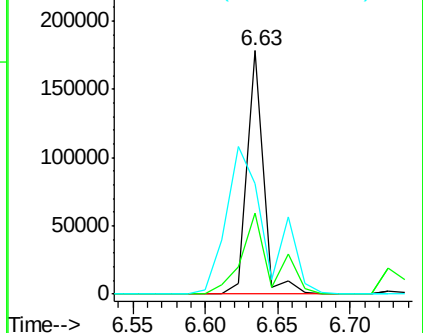
66 45.3 20.4 60.4

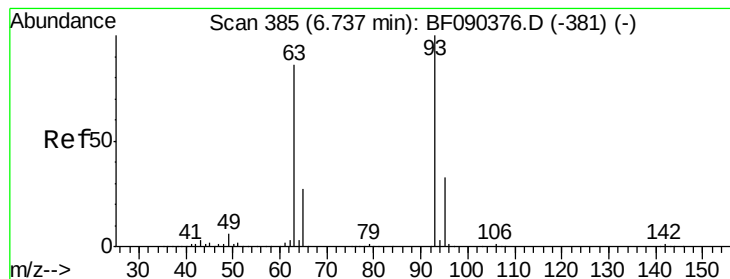


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 4.10 ng

RT: 6.73 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

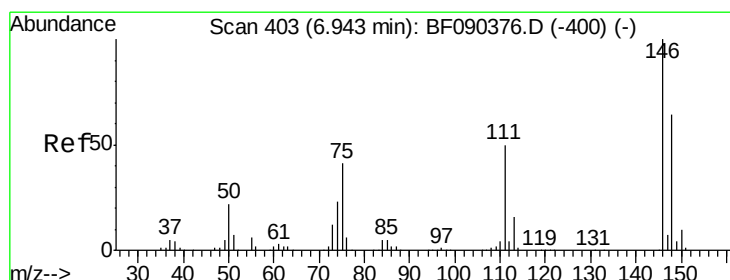
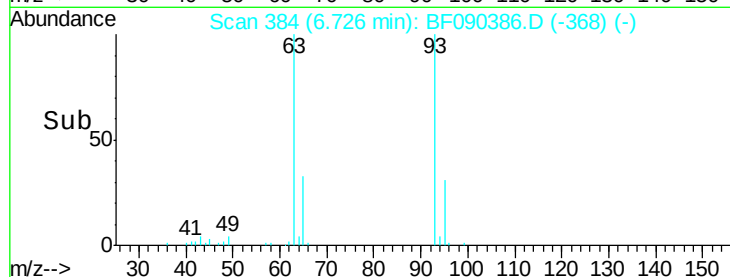
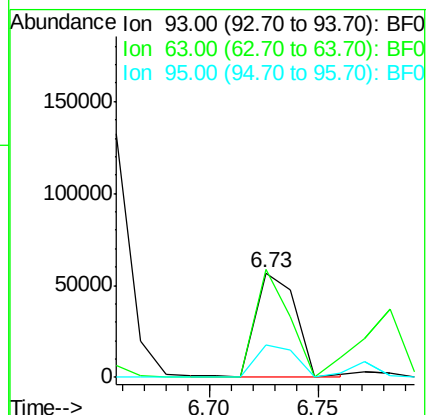
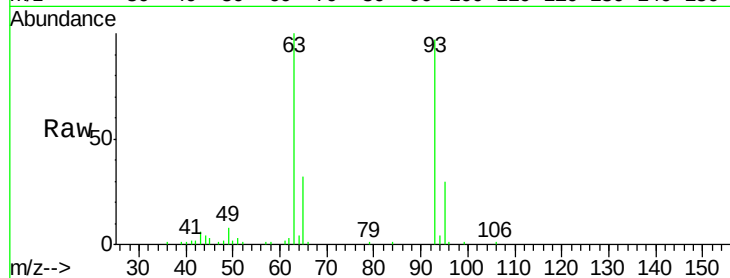
Tgt Ion: 93 Resp: 74029

Ion Ratio Lower Upper

93 100

63 103.1 59.7 99.7#

95 30.5 14.0 54.0



#12

1,3-Dichlorobenzene

Concen: 4.62 ng

RT: 6.94 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

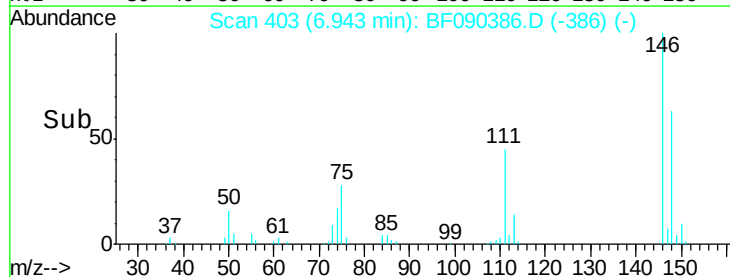
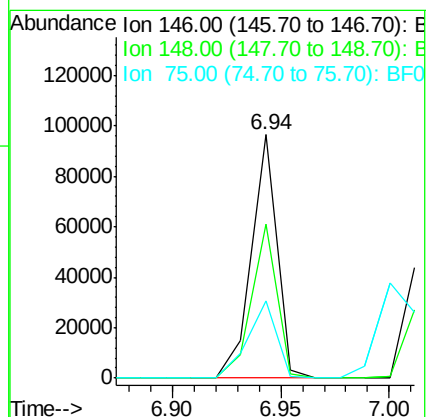
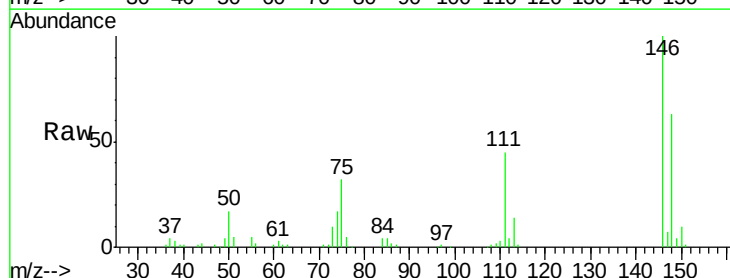
Tgt Ion: 146 Resp: 78408

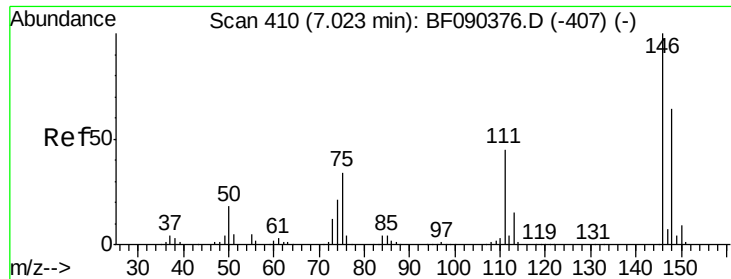
Ion Ratio Lower Upper

146 100

148 63.2 52.2 78.4

75 31.5 21.4 32.2

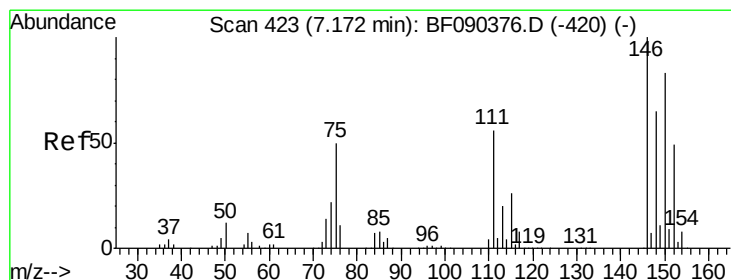
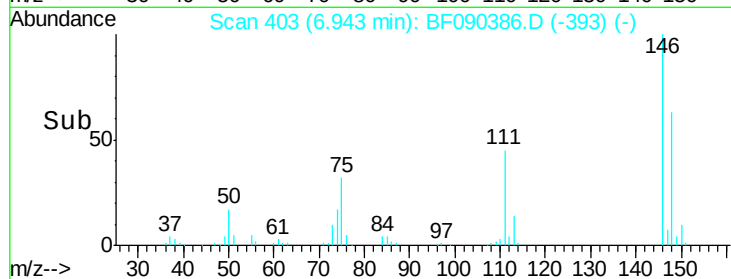
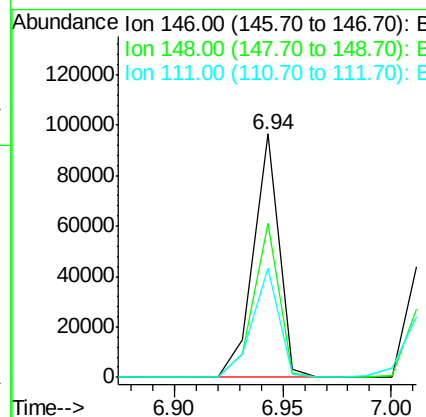
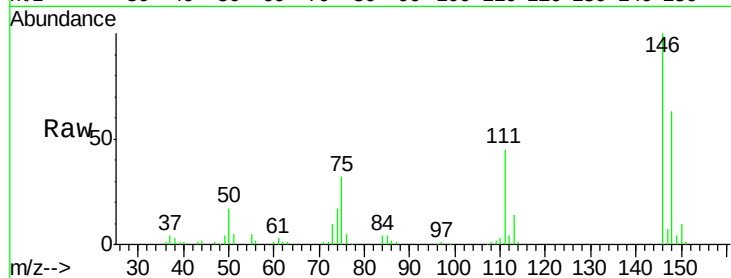




#13
 1,4-Dichlorobenzene
 Concen: 4.55 ng
 RT: 6.94 min Scan# 403
 Delta R.T. -0.08 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

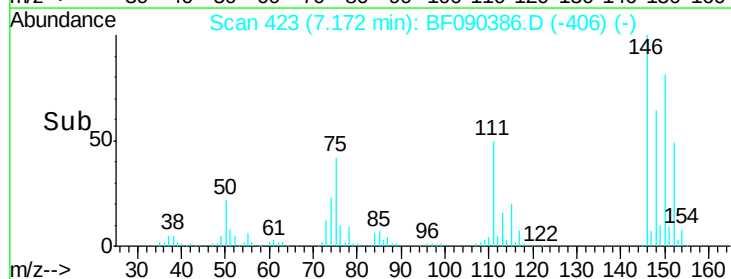
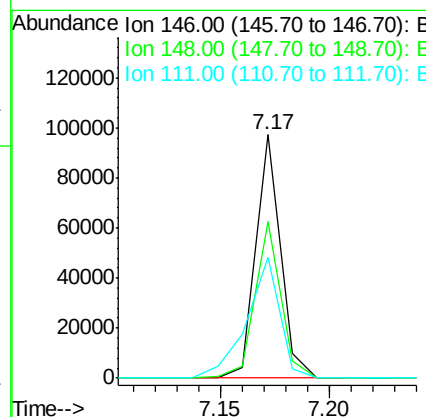
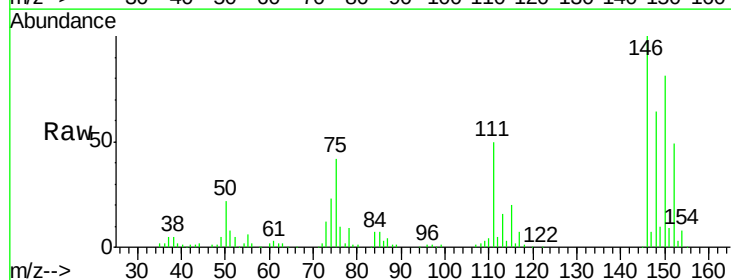
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

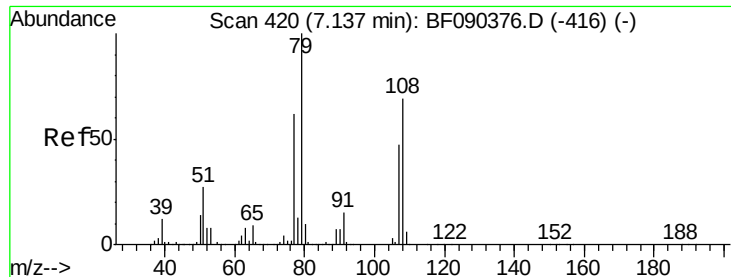
Tgt Ion:146 Resp: 78408
 Ion Ratio Lower Upper
 146 100
 148 63.2 51.1 76.7
 111 45.1 37.8 56.6



#14
 1,2-Dichlorobenzene
 Concen: 4.61 ng
 RT: 7.17 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:146 Resp: 76608
 Ion Ratio Lower Upper
 146 100
 148 64.0 52.3 78.5
 111 49.5 38.2 57.4

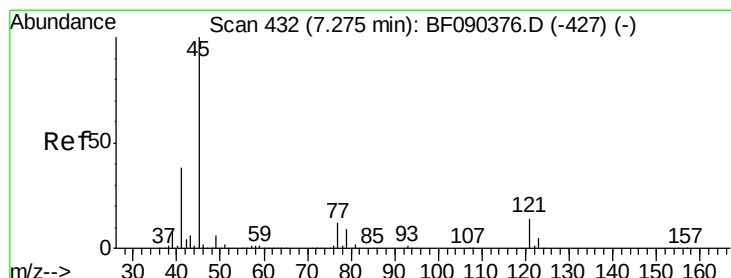
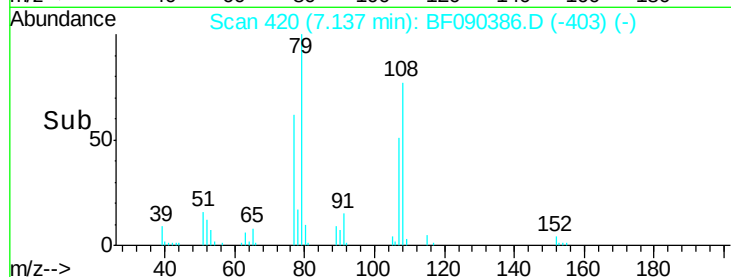
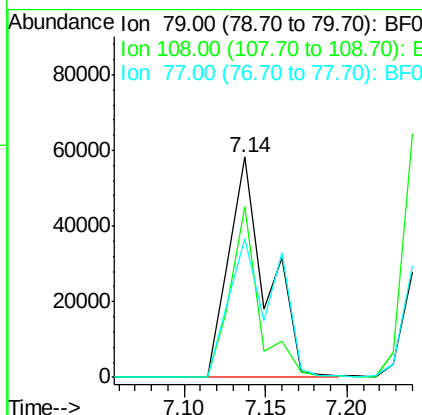
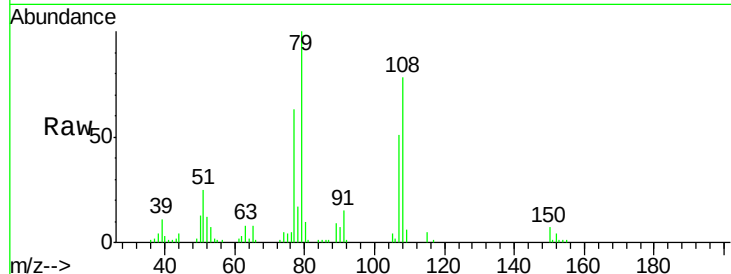




#15
Benzyl Alcohol
Concen: 6.13 ng
RT: 7.14 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

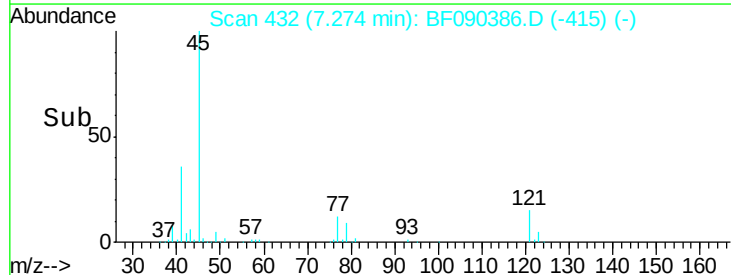
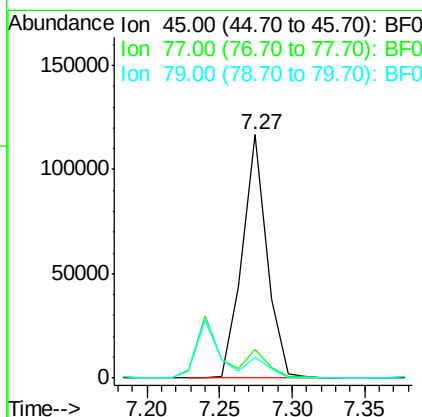
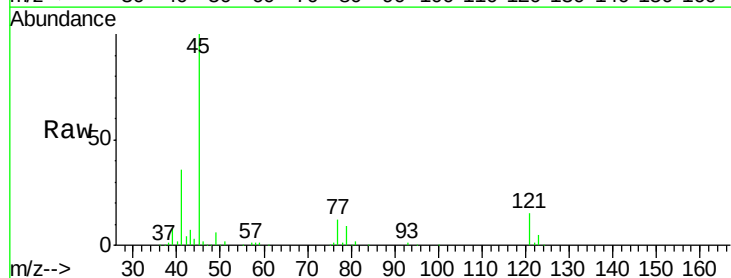
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

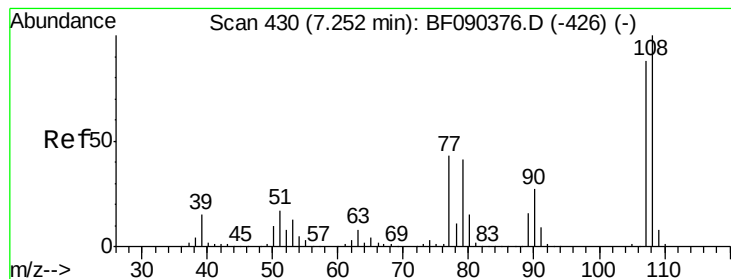
Tgt Ion: 79 Resp: 94392
Ion Ratio Lower Upper
79 100
108 77.7 60.9 91.3
77 62.8 51.5 77.3



#16
2,2'-oxybis(1-chloropropane)
Concen: 4.52 ng
RT: 7.27 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion: 45 Resp: 138235
Ion Ratio Lower Upper
45 100
77 11.8 0.0 30.8
79 8.6 0.0 28.2





#17

2-Methylphenol

Concen: 4.12 ng

RT: 7.24 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:107 Resp: 57645

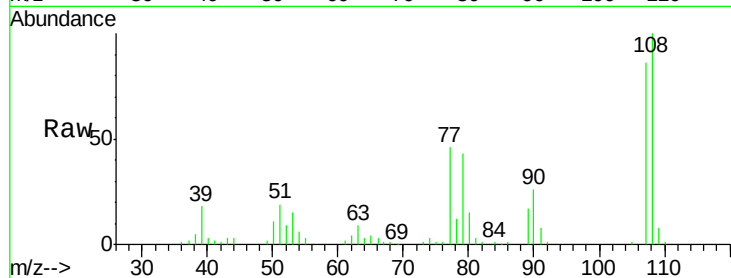
Ion Ratio Lower Upper

107 100

108 116.1 90.9 136.3

77 53.2 38.2 57.4

79 50.4 37.0 55.4

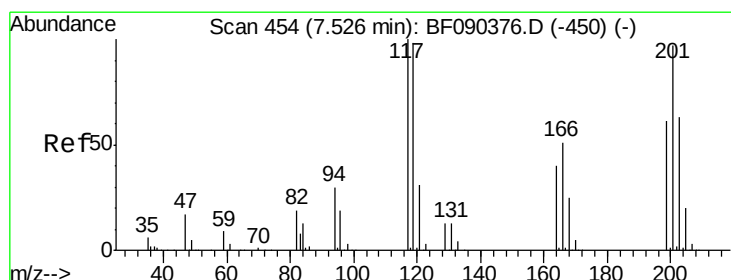
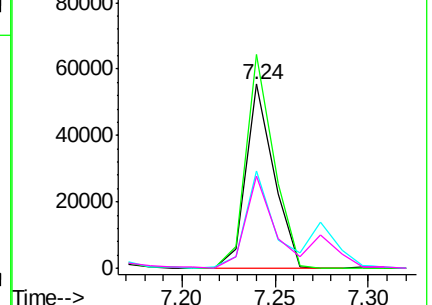
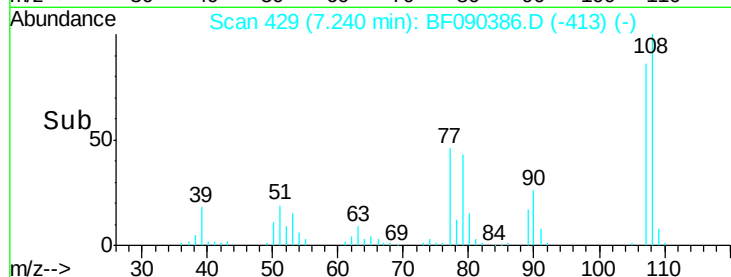


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 4.10 ng

RT: 7.51 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

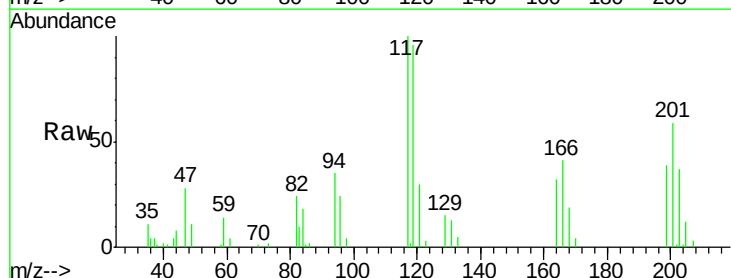
Tgt Ion:117 Resp: 27851

Ion Ratio Lower Upper

117 100

119 95.6 75.9 113.9

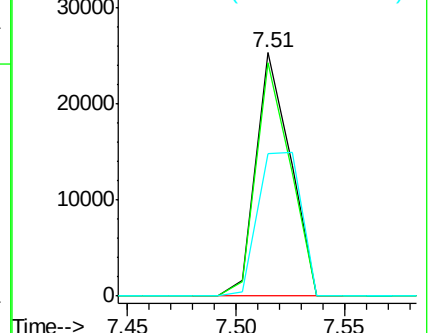
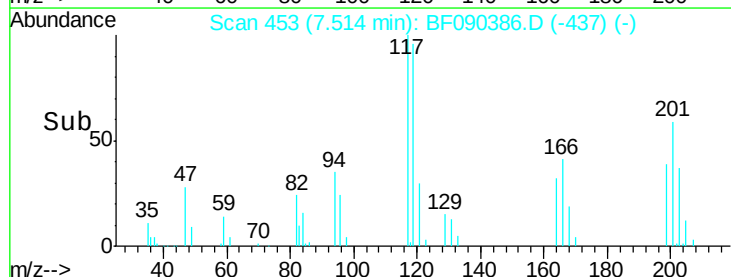
201 58.7 66.5 99.7#

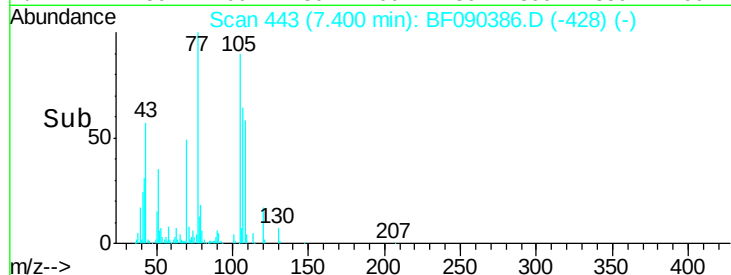
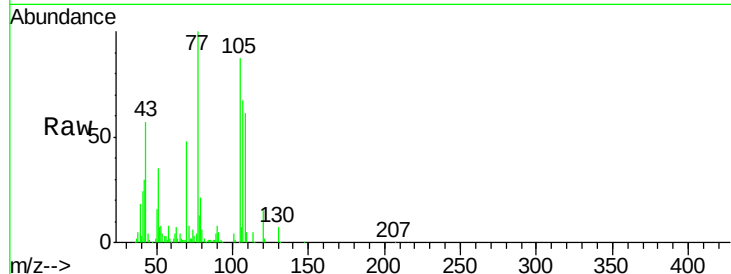
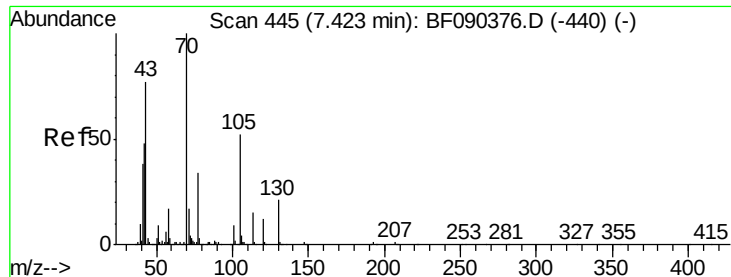


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

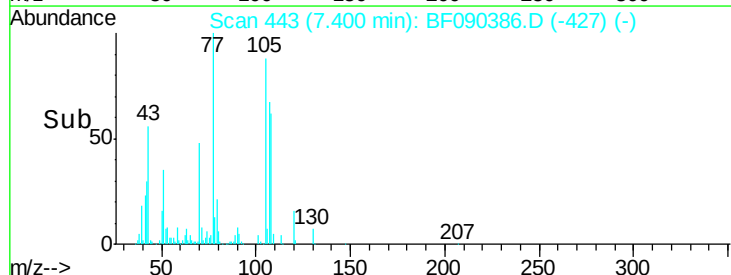
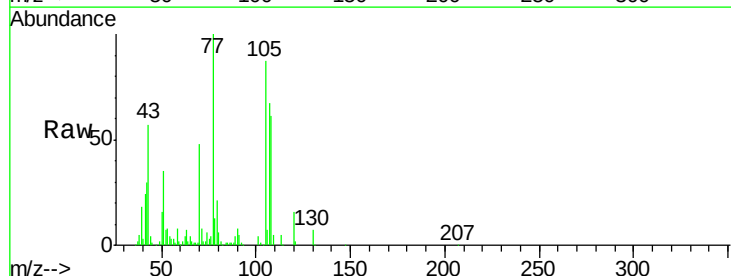
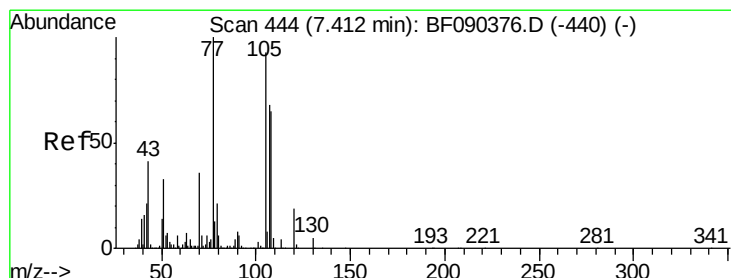
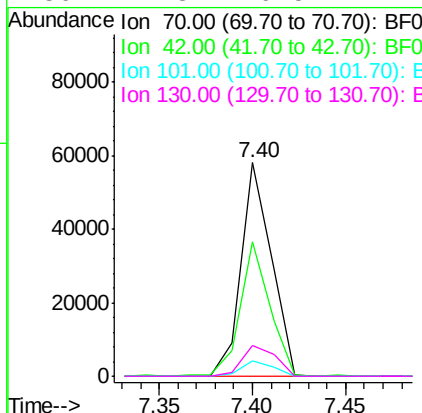




#19
n-Nitroso-di-n-propylamine
Concen: 4.45 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

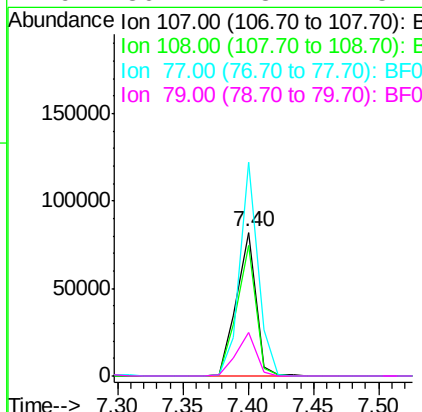
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

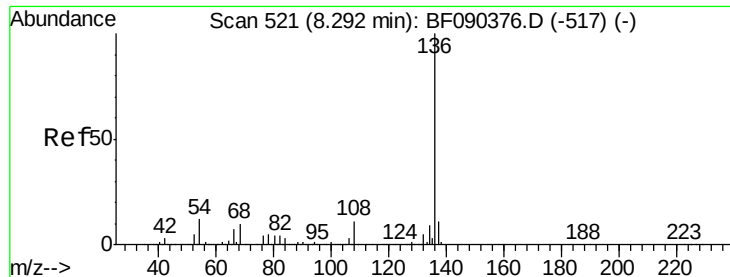
Tgt Ion: 70 Resp: 66172
Ion Ratio Lower Upper
70 100
42 62.8 55.4 83.2
101 7.5 7.6 11.4#
130 14.3 16.5 24.7#



#20
3+4-Methylphenols
Concen: 4.70 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion: 107 Resp: 85281
Ion Ratio Lower Upper
107 100
108 91.3 66.7 106.7
77 148.6 53.7 93.7#
79 30.7 8.4 48.4

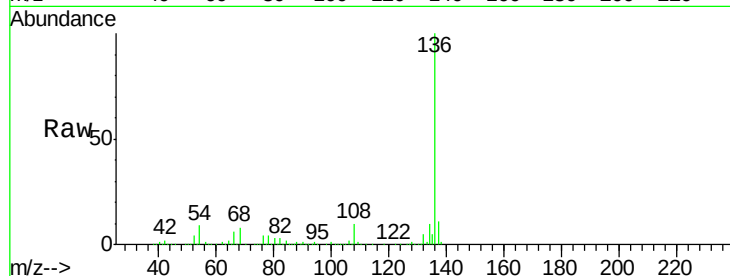




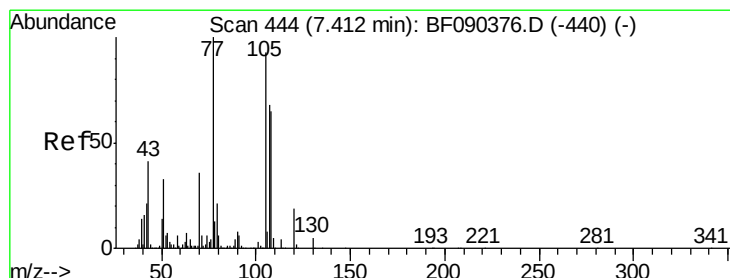
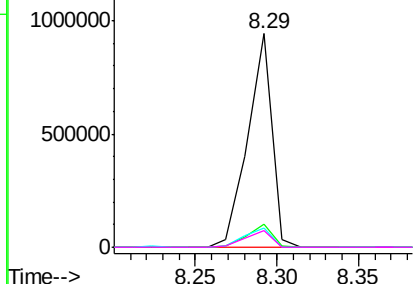
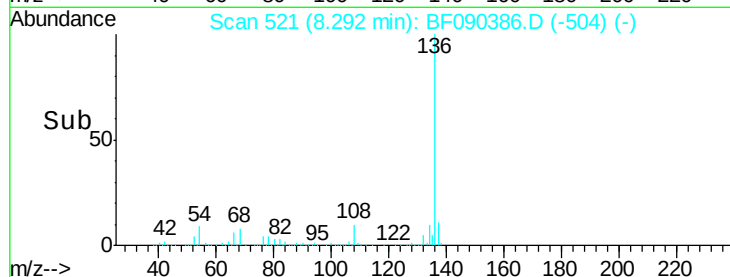
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.29 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:	136	Resp:	966310
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	9.3	6.6	10.0
68	8.1	5.0	7.6#

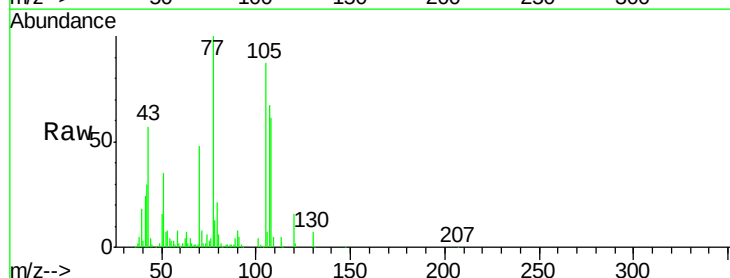


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

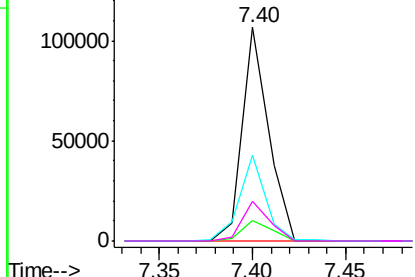
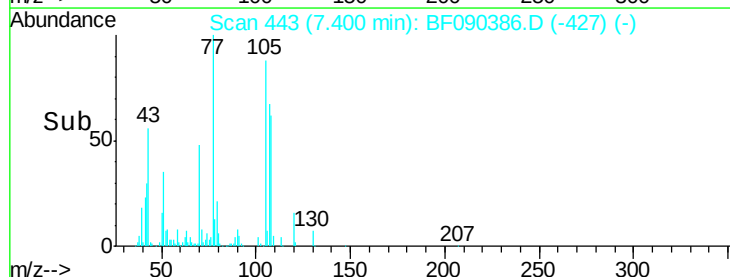


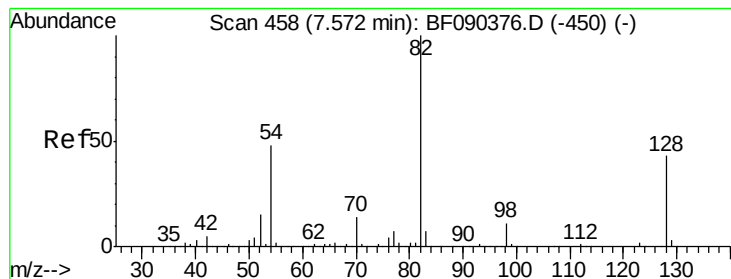
#22
Acetophenone
Concen: 4.61 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:	105	Resp:	105427
Ion	Ratio	Lower	Upper
105	100		
71	9.4	3.8	5.6#
51	40.3	28.2	42.4
120	18.8	17.4	26.2



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: 78.87 ng

RT: 7.56 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

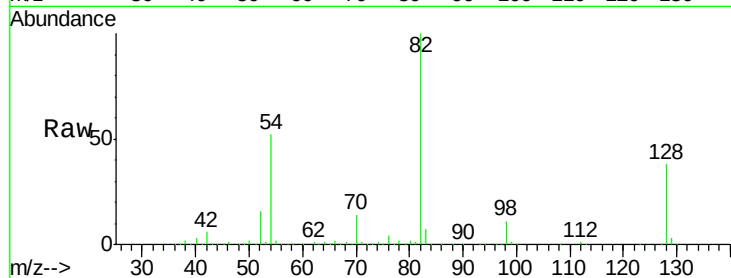
Tgt Ion: 82 Resp: 1566837

Ion Ratio Lower Upper

82 100

128 38.5 40.0 60.0#

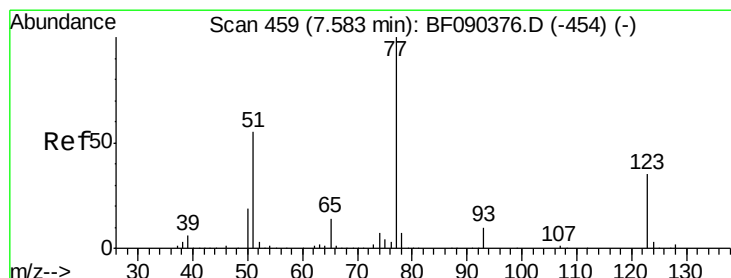
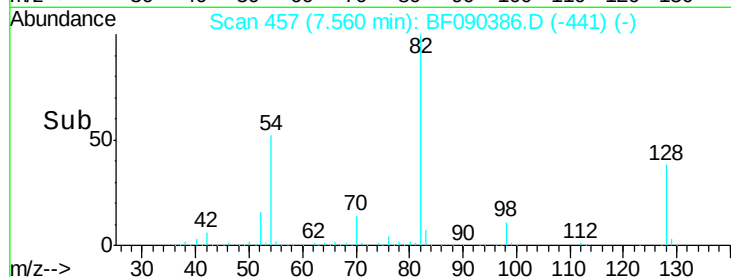
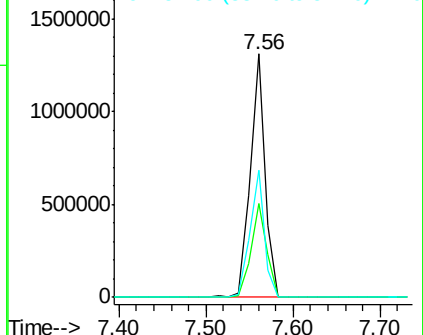
54 52.0 42.6 64.0



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: 4.76 ng

RT: 7.58 min Scan# 459

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

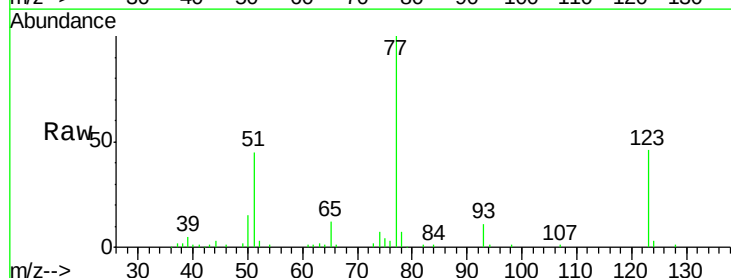
Tgt Ion: 77 Resp: 93841

Ion Ratio Lower Upper

77 100

123 45.7 33.0 49.4

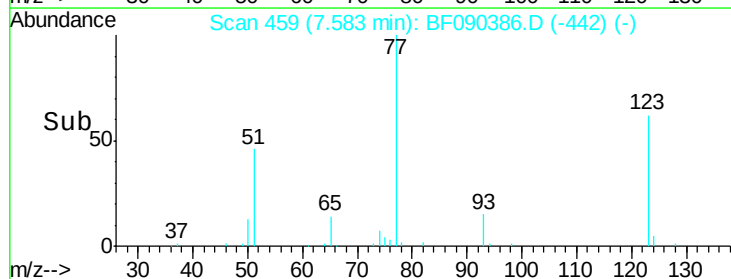
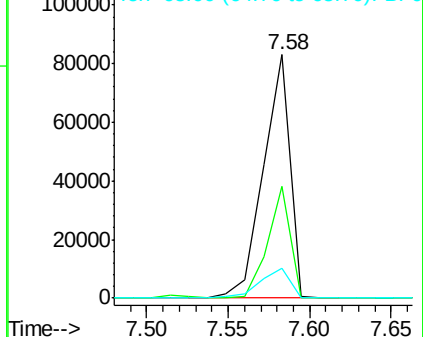
65 12.4 12.0 18.0

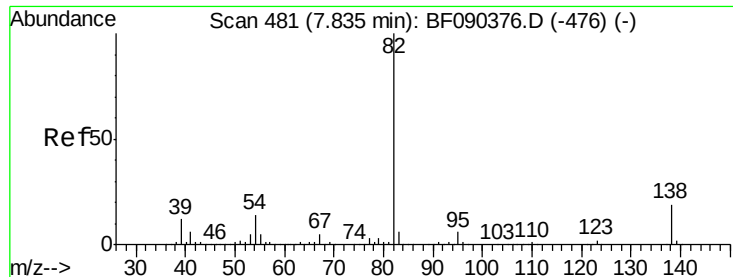


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 4.38 ng

RT: 7.81 min Scan# 479

Delta R.T. -0.02 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

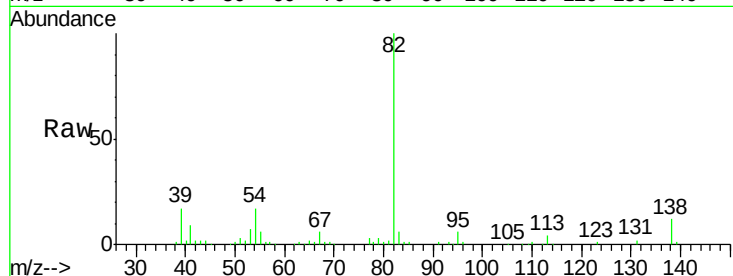
Tgt Ion: 82 Resp: 159077

Ion Ratio Lower Upper

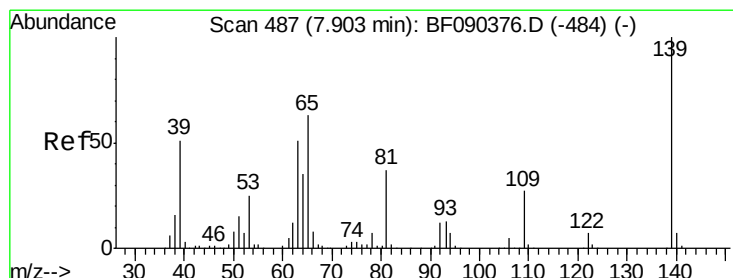
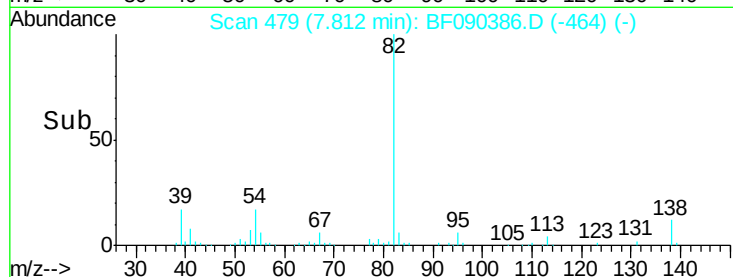
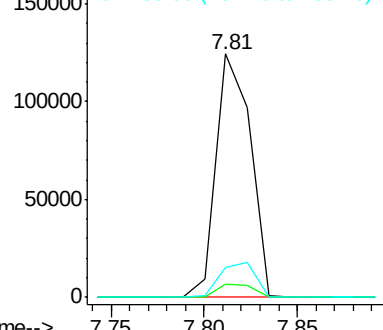
82 100

95 5.6 5.2 7.8

138 12.1 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 3.85 ng

RT: 7.90 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

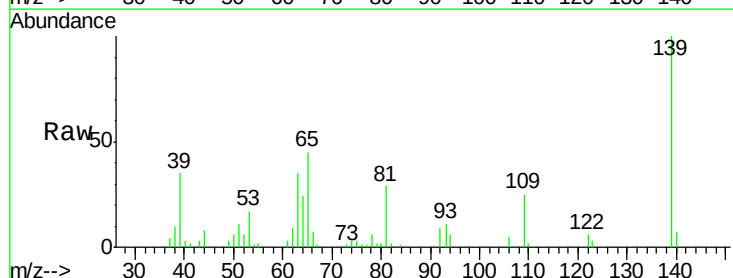
Tgt Ion: 139 Resp: 32659

Ion Ratio Lower Upper

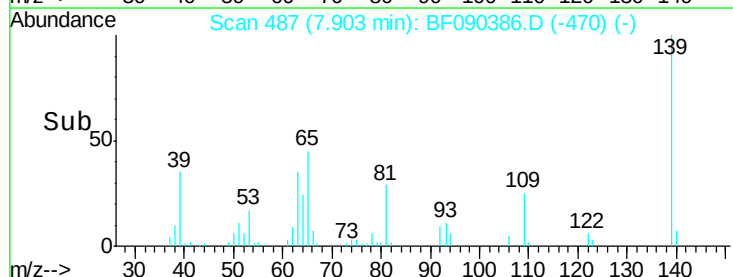
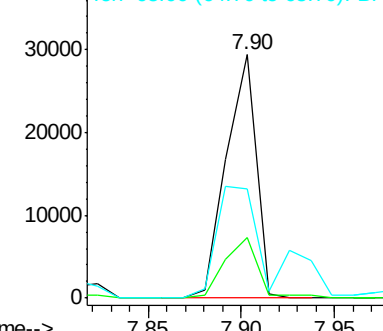
139 100

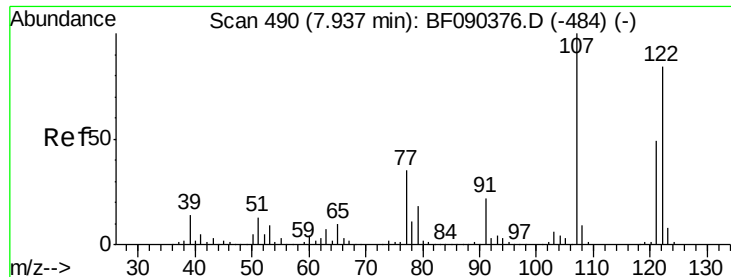
109 24.9 18.9 28.3

65 45.1 31.6 47.4



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

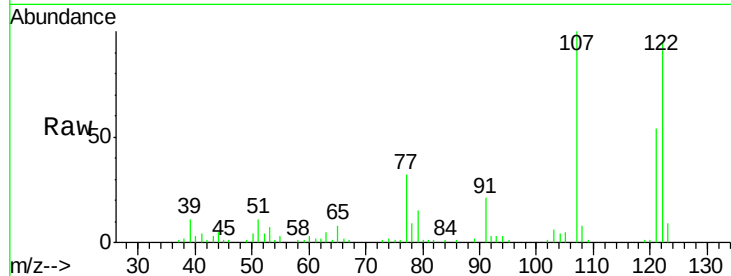




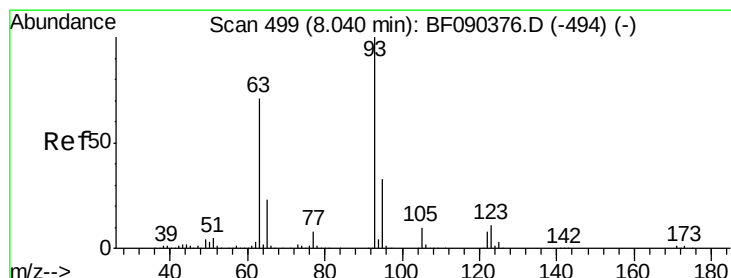
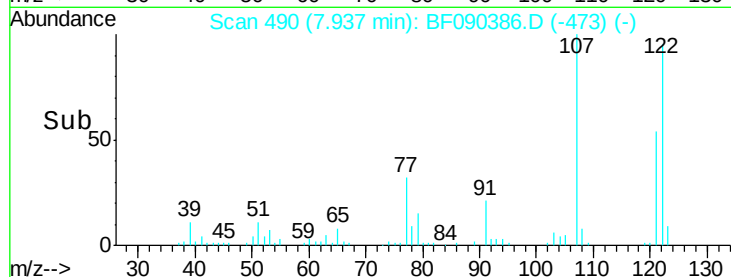
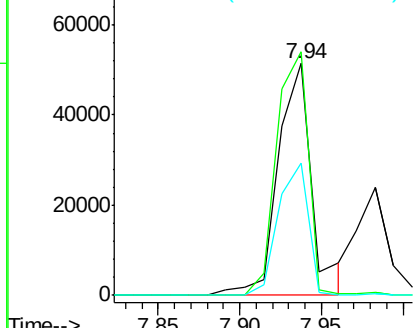
#27
 2,4-Dimethylphenol
 Concen: 4.47 ng
 RT: 7.94 min Scan# 490
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion: 122 Resp: 73848
 Ion Ratio Lower Upper
 122 100
 107 105.2 88.6 132.8
 121 57.1 47.5 71.3

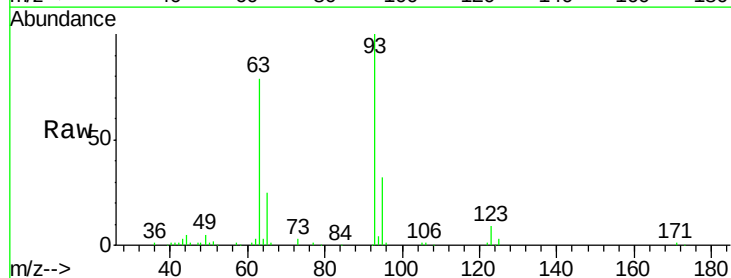


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

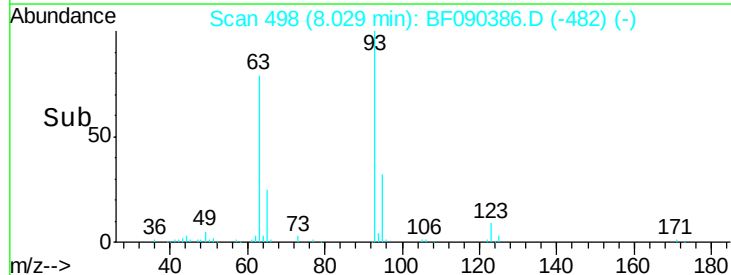
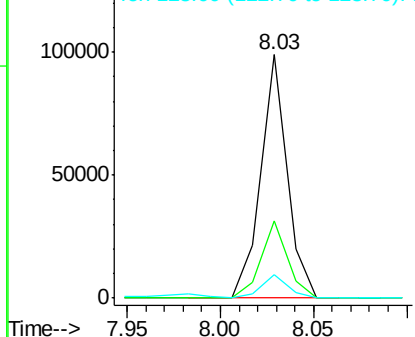


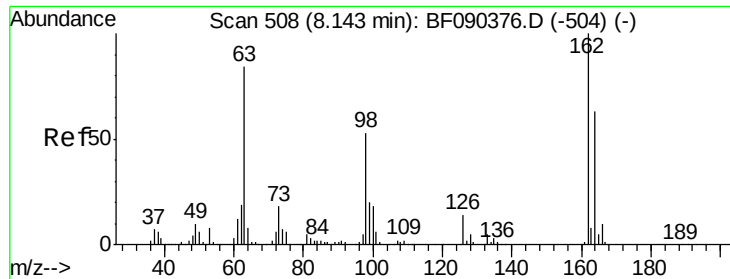
#28
 bis(2-Chloroethoxy)methane
 Concen: 4.50 ng
 RT: 8.03 min Scan# 498
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion: 93 Resp: 96644
 Ion Ratio Lower Upper
 93 100
 95 31.7 27.0 40.4
 123 9.5 11.1 16.7#



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

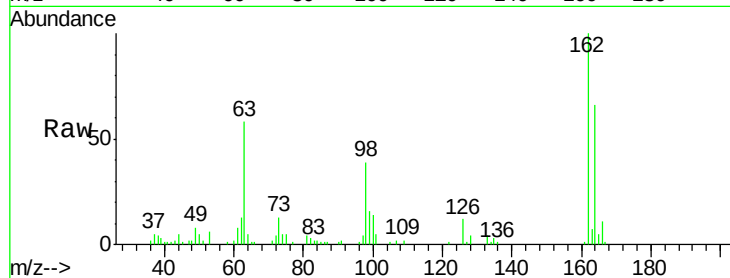




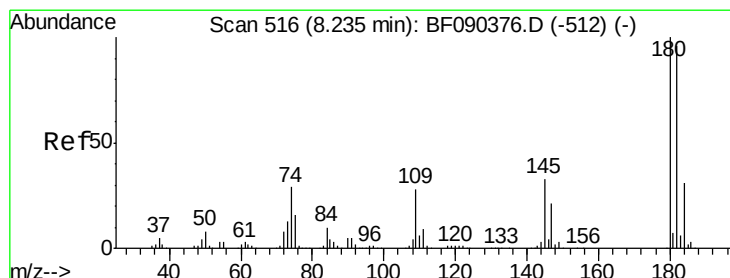
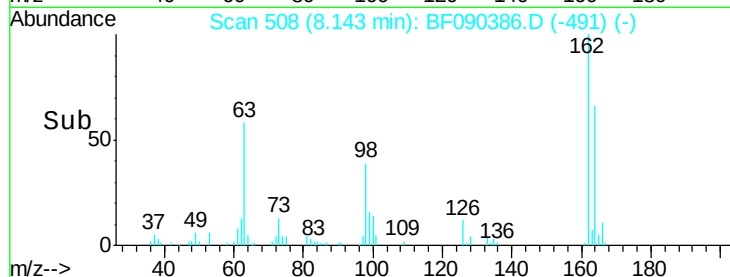
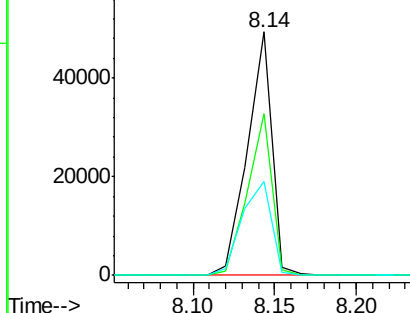
#29
2,4-Dichlorophenol
Concen: 4.09 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.2	45.7	85.7
98	38.6	13.3	53.3

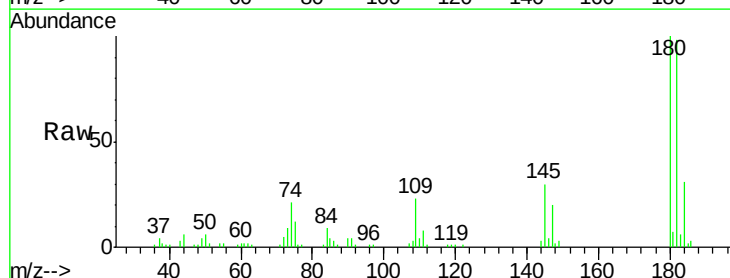


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

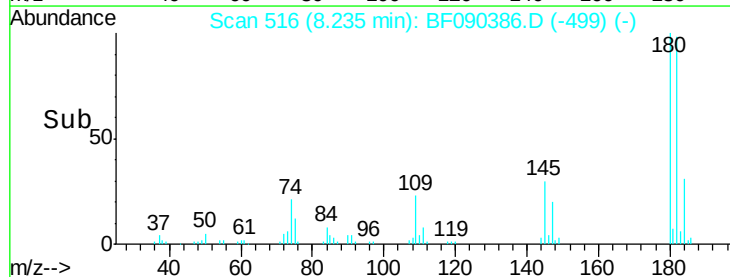
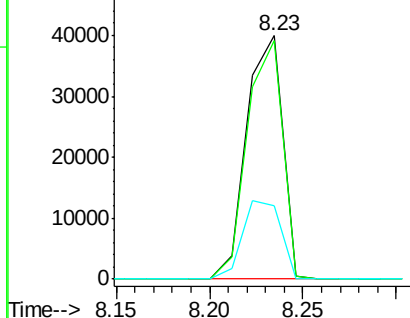


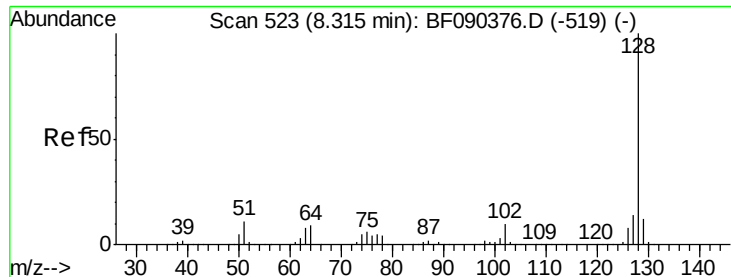
#30
1,2,4-Trichlorobenzene
Concen: 4.12 ng
RT: 8.23 min Scan# 516
Delta R.T. -0.00 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.3	112.9
145	30.4	27.7	41.5



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

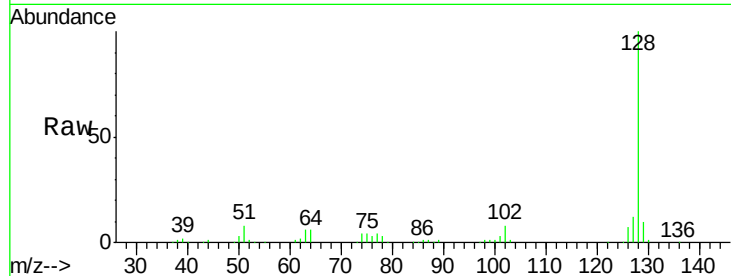




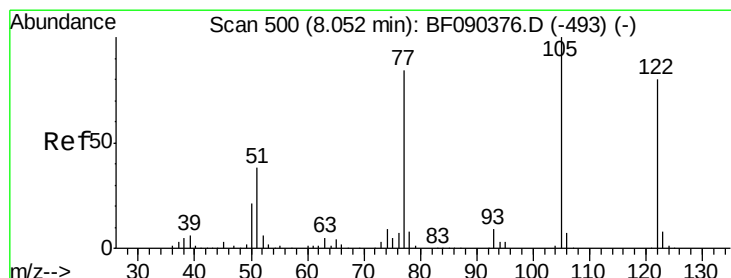
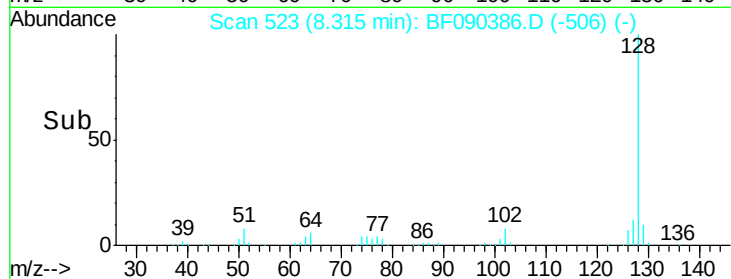
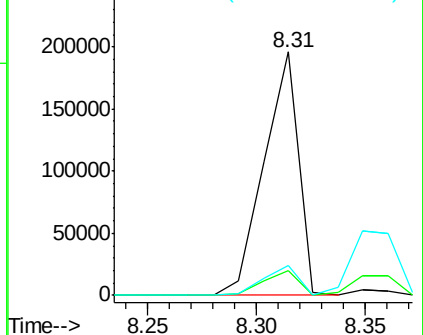
#31
Naphthalene
Concen: 4.68 ng
RT: 8.31 min Scan# 523
Delta R.T. -0.00 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:128 Resp: 218057
Ion Ratio Lower Upper
128 100
129 10.2 9.7 14.5
127 12.4 11.7 17.5

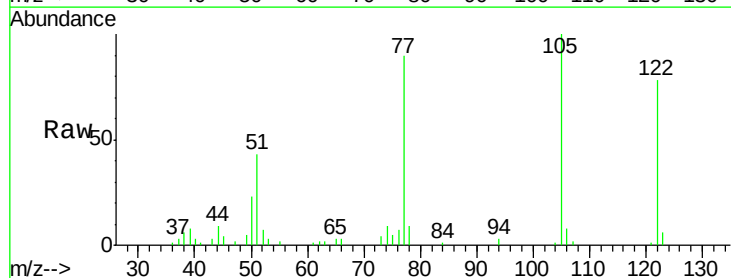


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

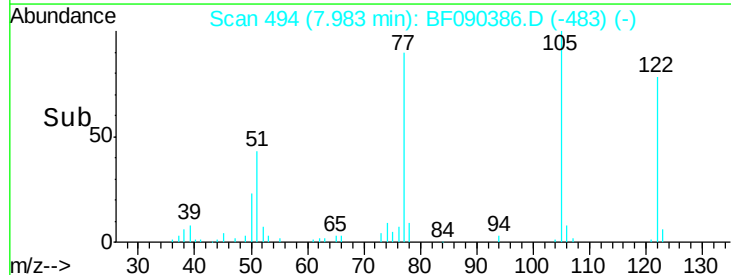
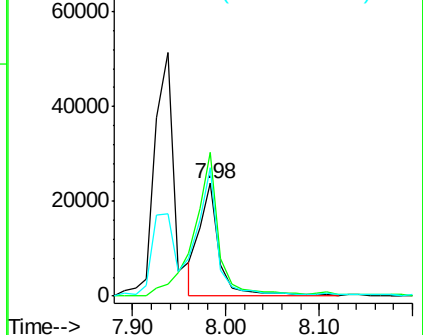


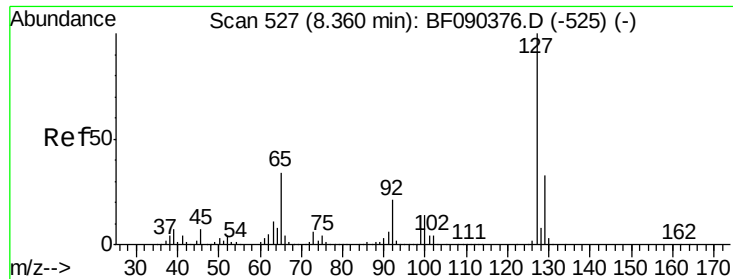
#32
Benzoic acid
Concen: 3.10 ng
RT: 7.98 min Scan# 494
Delta R.T. -0.07 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:122 Resp: 35561
Ion Ratio Lower Upper
122 100
105 127.4 103.9 143.9
77 114.1 74.6 114.6



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

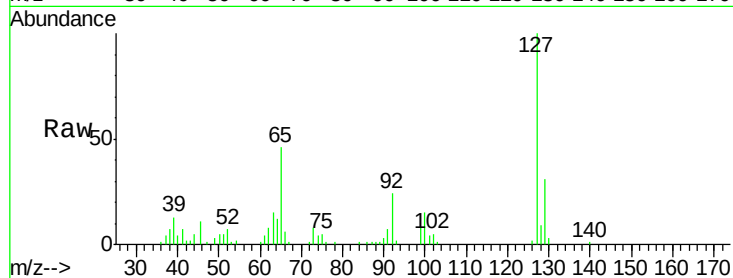




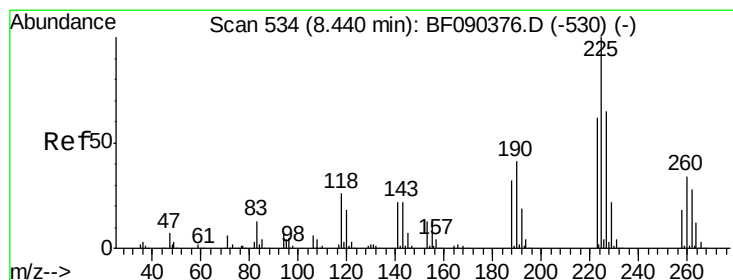
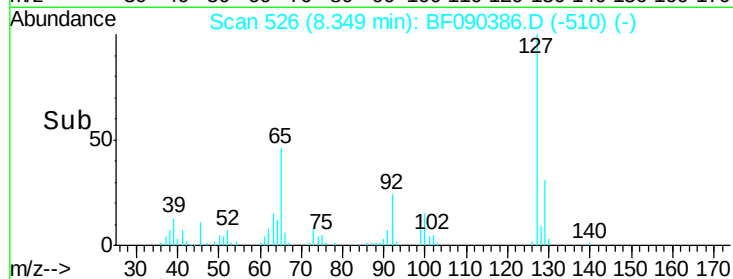
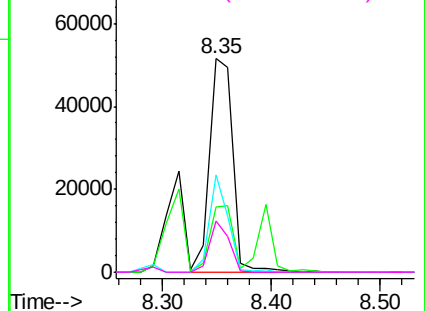
#33
4-Chloroaniline
Concen: 4.02 ng
RT: 8.35 min Scan# 526
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:	127	Resp:	77509
Ion	Ratio	Lower	Upper
127	100		
129	30.5	26.2	39.4
65	45.5	32.5	48.7
92	23.7	17.2	25.8

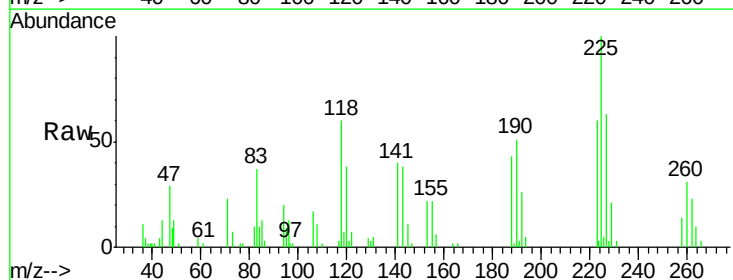


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

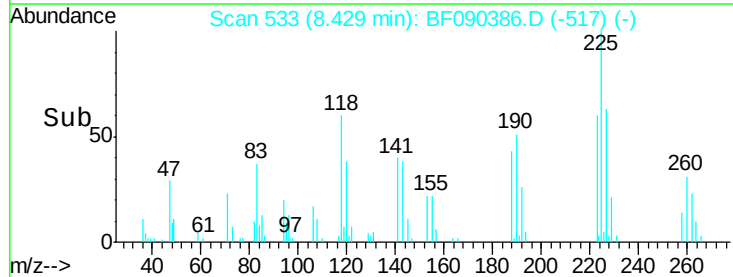
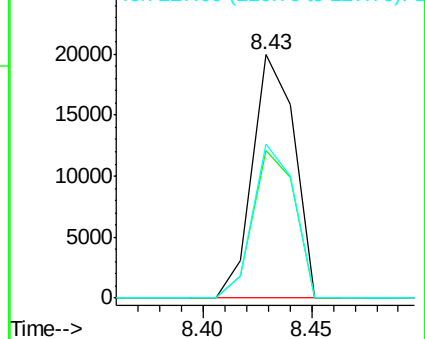


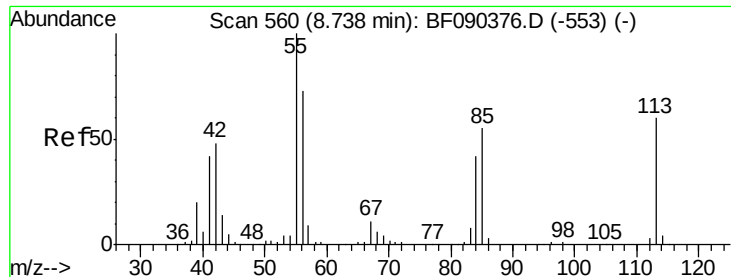
#34
Hexachlorobutadiene
Concen: 3.69 ng
RT: 8.43 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:	225	Resp:	26699
Ion	Ratio	Lower	Upper
225	100		
223	60.4	51.0	76.4
227	63.1	50.8	76.2



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

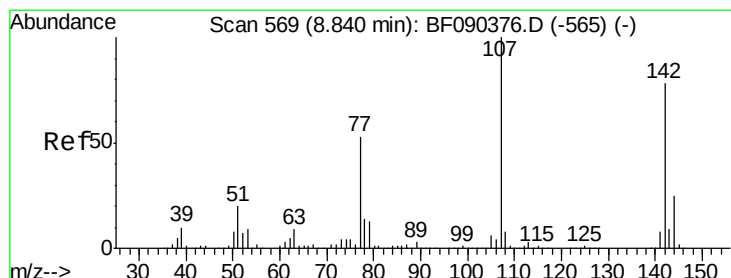
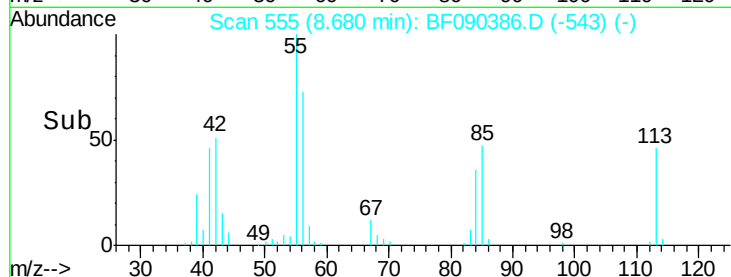
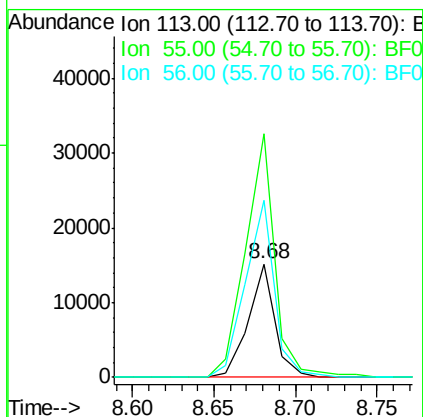
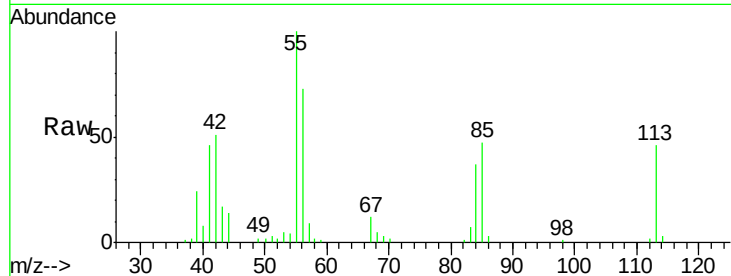




#35
 Caprolactam
 Concen: 4.08 ng
 RT: 8.68 min Scan# 555
 Delta R.T. -0.06 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

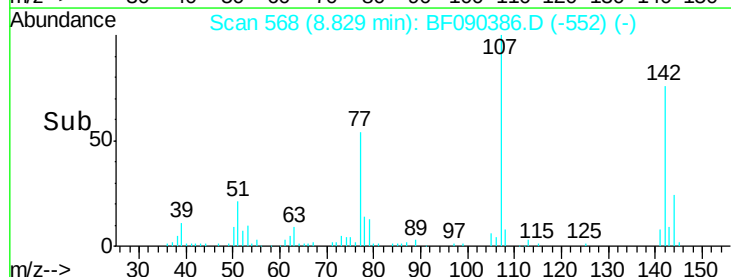
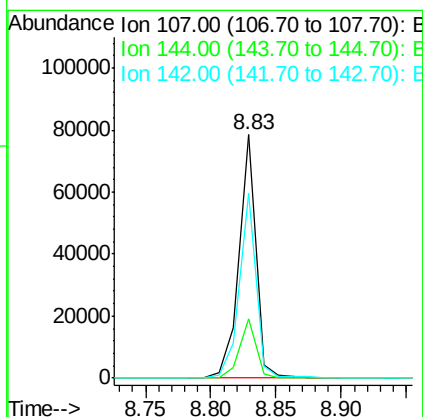
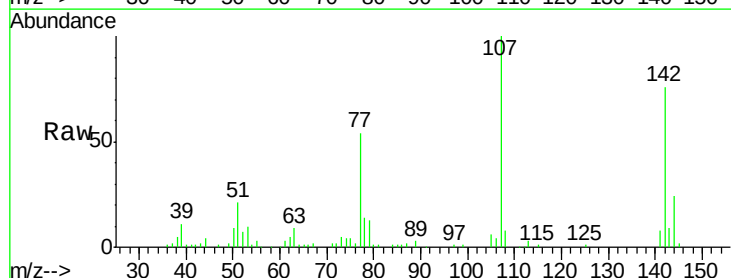
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

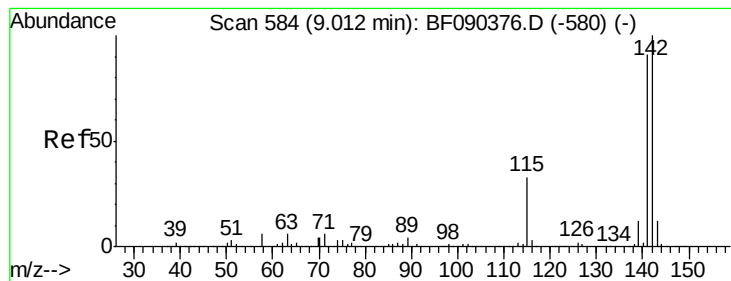
Tgt Ion:113 Resp: 17200
 Ion Ratio Lower Upper
 113 100
 55 215.1 203.3 243.3
 56 156.4 140.5 180.5



#36
 4-Chloro-3-methylphenol
 Concen: 4.47 ng
 RT: 8.83 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:107 Resp: 70223
 Ion Ratio Lower Upper
 107 100
 144 24.2 19.8 29.8
 142 75.9 60.7 91.1





#37

2-Methylnaphthalene

Concen: 4.44 ng

RT: 9.00 min Scan# 583

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

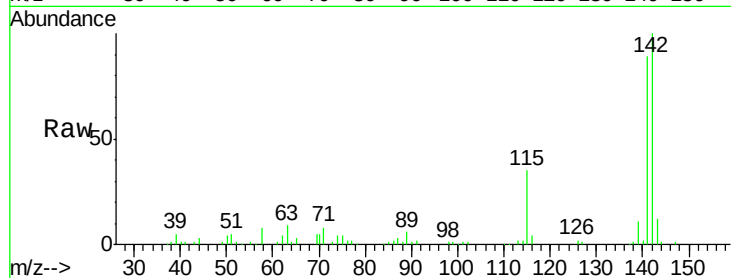
Tgt Ion:142 Resp: 125407

Ion Ratio Lower Upper

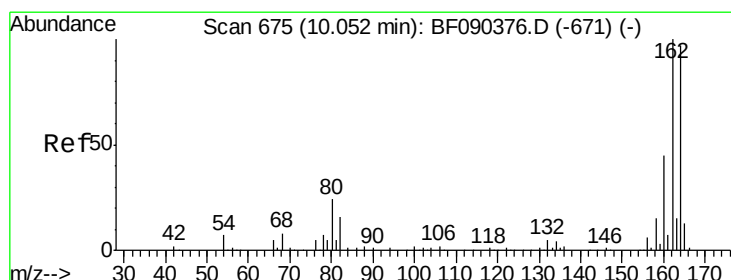
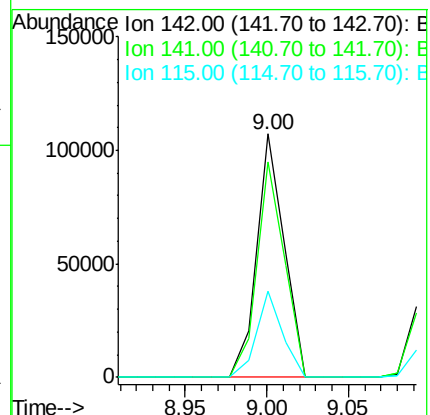
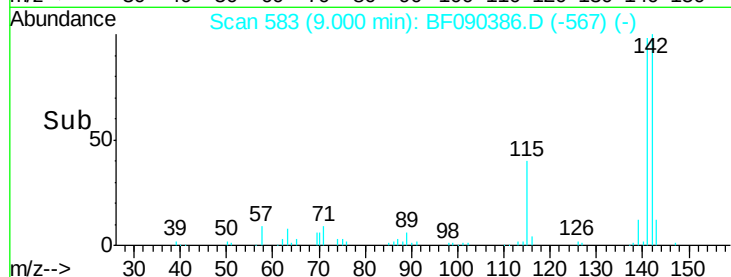
142 100

141 88.6 71.8 107.8

115 35.4 28.8 43.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.05 min Scan# 675

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

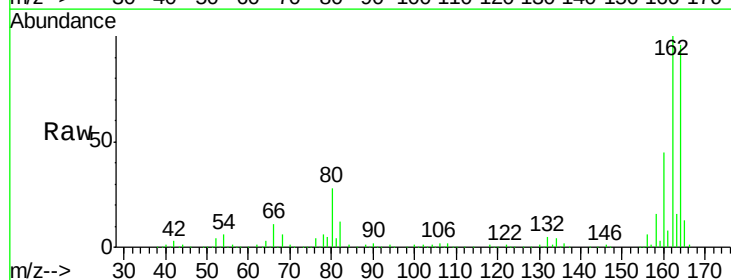
Tgt Ion:164 Resp: 488541

Ion Ratio Lower Upper

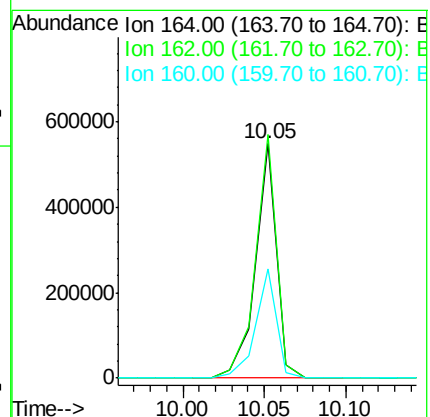
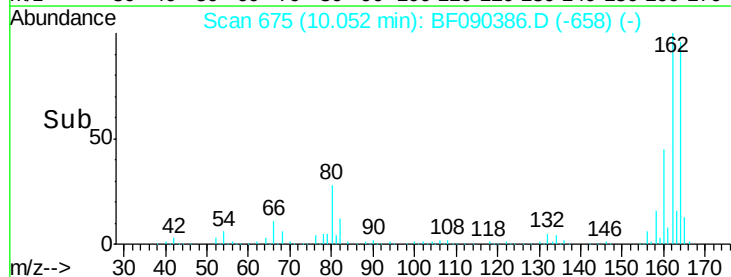
164 100

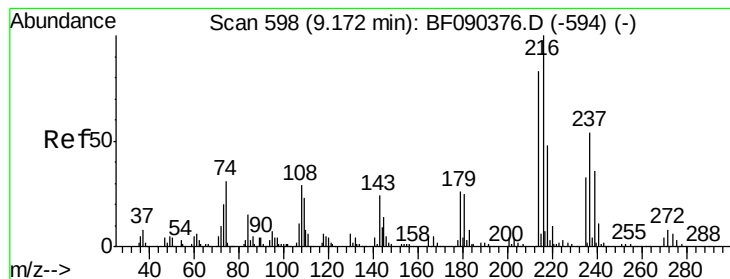
162 103.9 80.1 120.1

160 46.8 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.03 ng

RT: 9.17 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

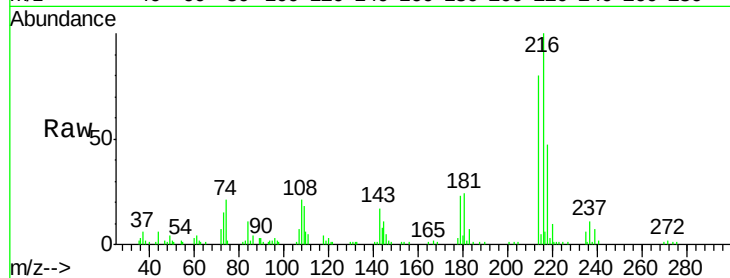
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	216	Resp:	51856
Ion	Ratio	Lower	Upper
216	100		
214	79.8	64.2	96.2
179	23.6	18.0	27.0
108	25.5	15.2	22.8#

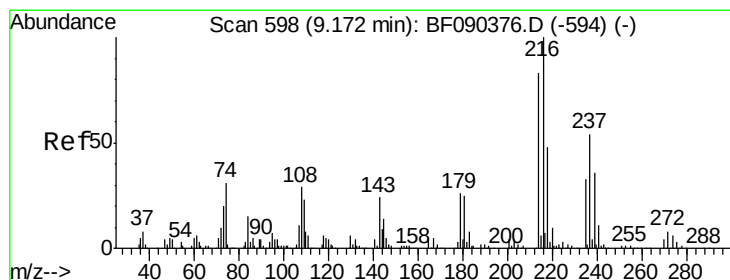
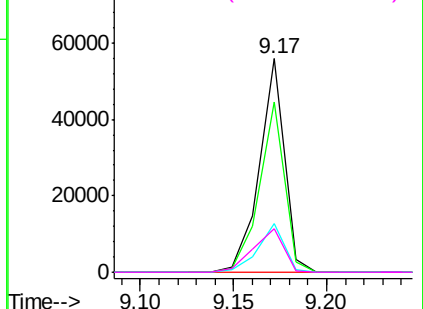
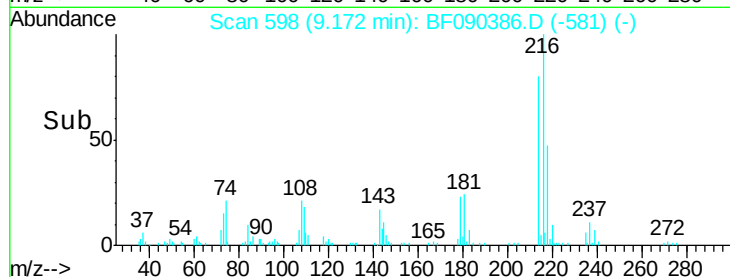


Abundance Ion 216.00 (215.70 to 216.70): E

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: 3.39 ng

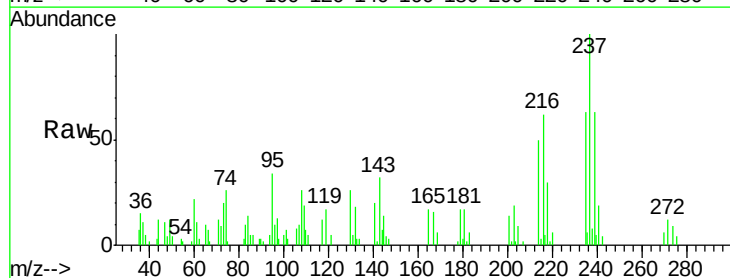
RT: 9.16 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

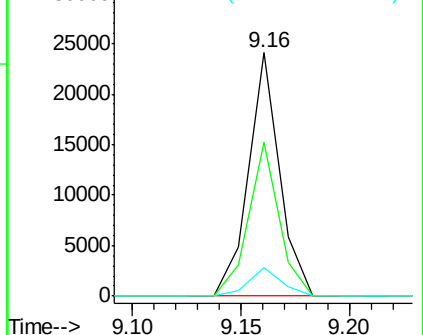
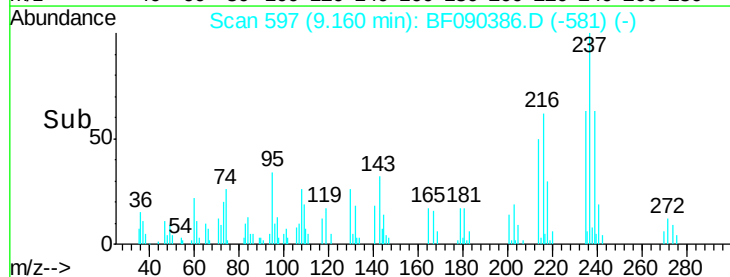
Tgt Ion:	237	Resp:	23899
Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.6	83.6
272	12.0	0.0	32.7

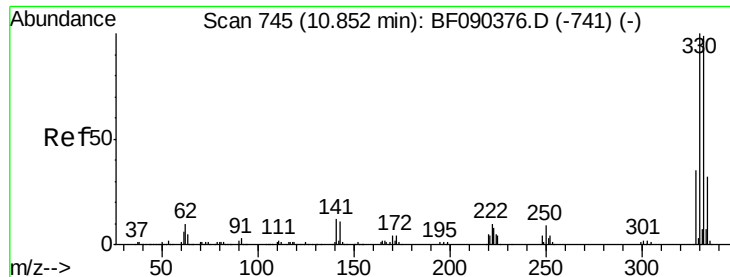


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

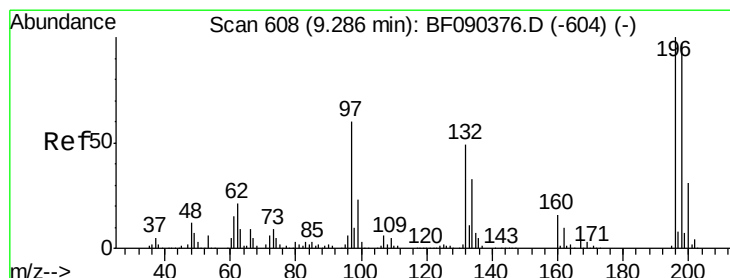
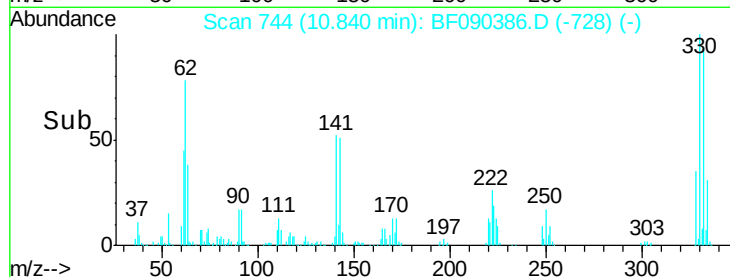
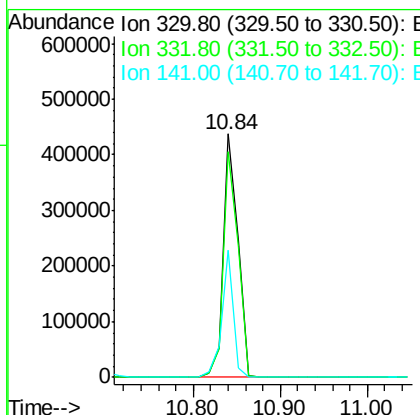
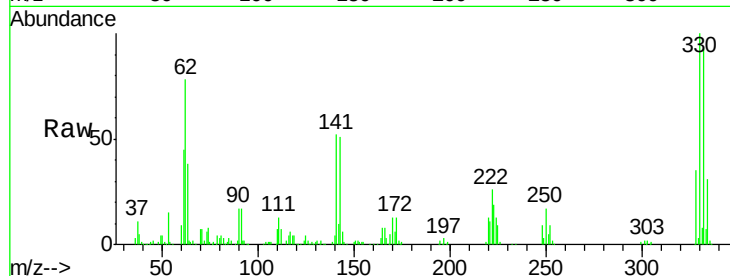




#41
 2,4,6-Tribromophenol
 Concen: 130.09 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

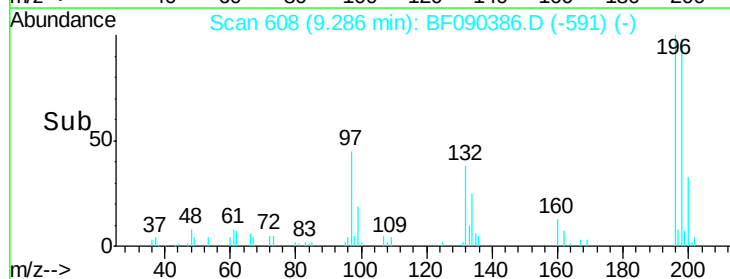
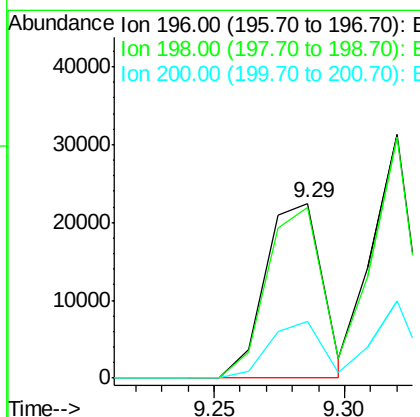
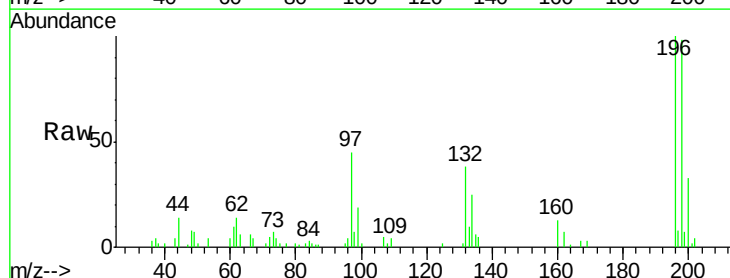
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

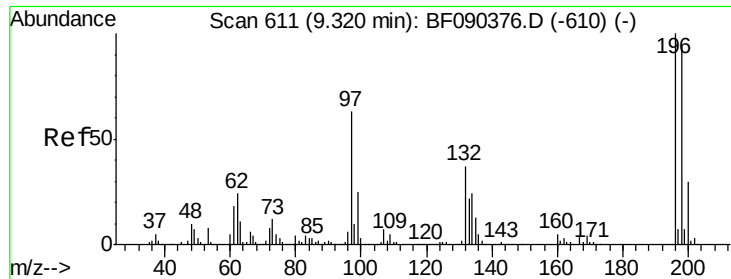
Tgt Ion:330 Resp: 516778
 Ion Ratio Lower Upper
 330 100
 332 94.3 75.4 113.0
 141 41.9 26.9 40.3#



#42
 2,4,6-Trichlorophenol
 Concen: 3.84 ng
 RT: 9.29 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:196 Resp: 34098
 Ion Ratio Lower Upper
 196 100
 198 97.6 78.9 118.3
 200 32.7 25.4 38.2

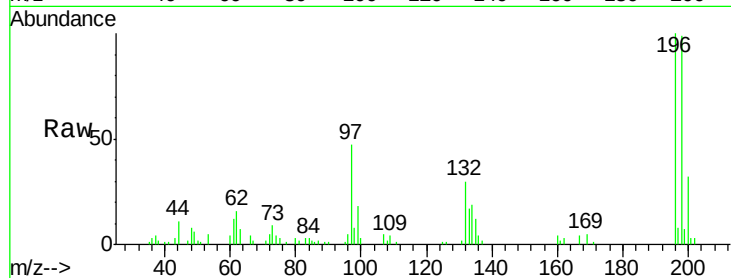




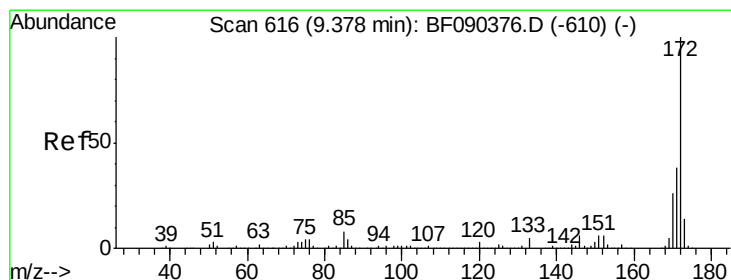
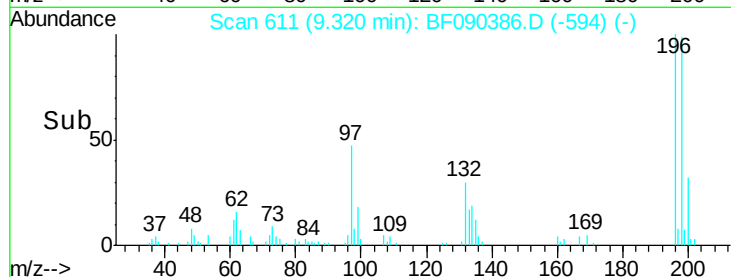
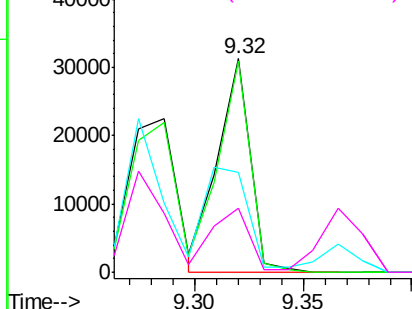
#43
 2,4,5-Trichlorophenol
 Concen: 3.86 ng
 RT: 9.32 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:196 Resp: 32466
 Ion Ratio Lower Upper
 196 100
 198 99.0 78.1 117.1
 97 46.9 48.1 72.1#
 132 30.0 27.4 41.2

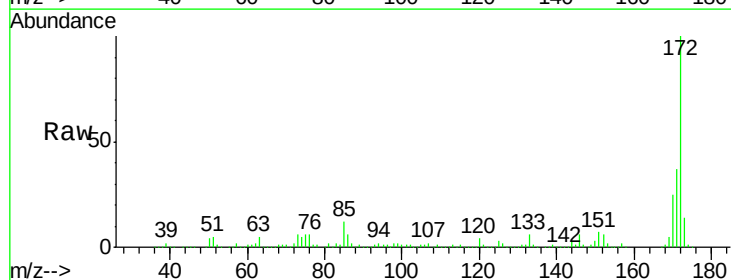


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

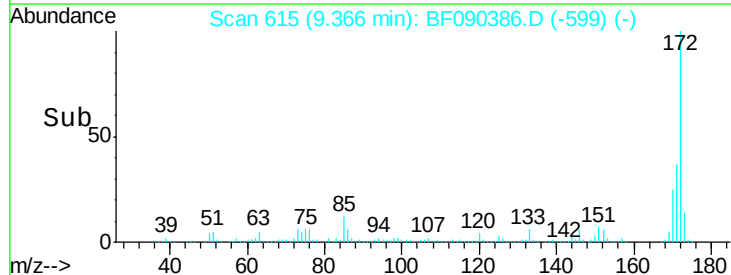
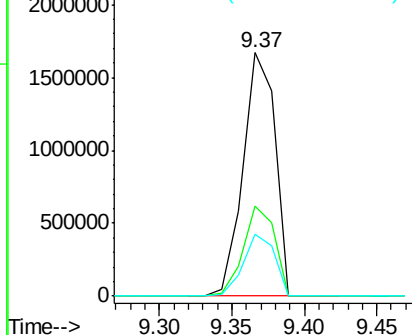


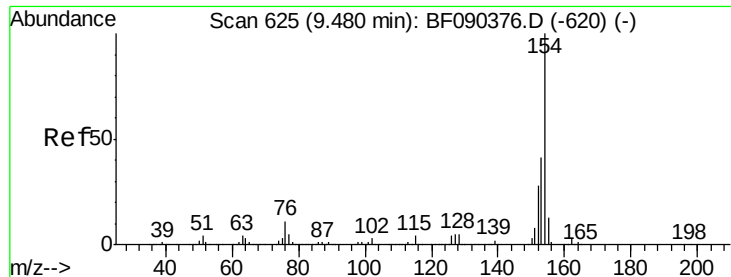
#44
 2-Fluorobiphenyl
 Concen: 86.85 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:172 Resp: 2546582
 Ion Ratio Lower Upper
 172 100
 171 36.8 31.8 47.8
 170 25.3 21.7 32.5



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

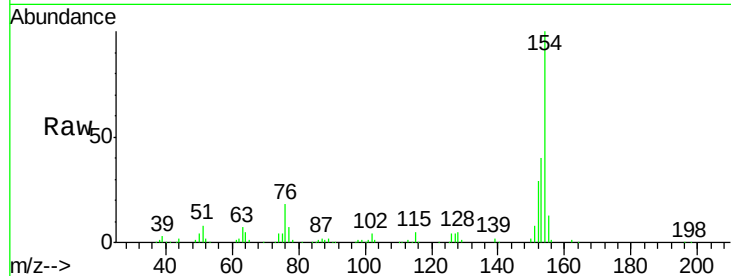




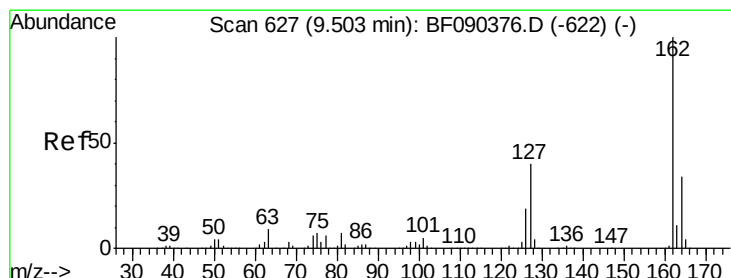
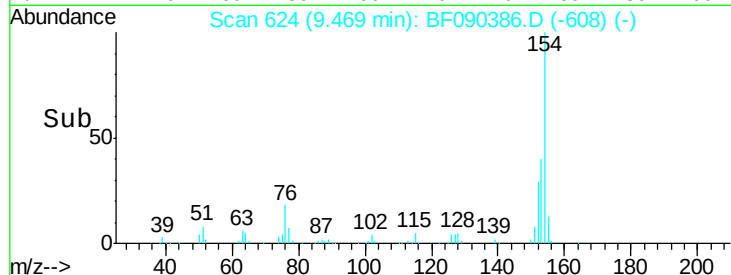
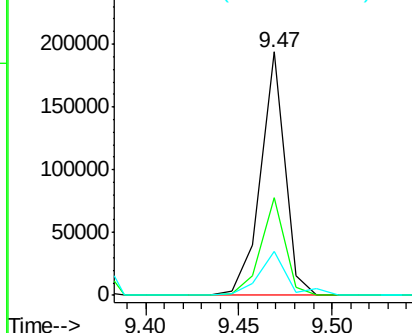
#45
 1,1'-Biphenyl
 Concen: 4.80 ng
 RT: 9.47 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:154 Resp: 173774
 Ion Ratio Lower Upper
 154 100
 153 40.0 23.8 63.8
 76 17.8 0.0 35.8

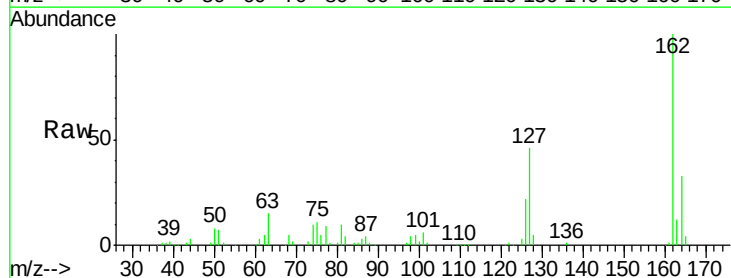


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

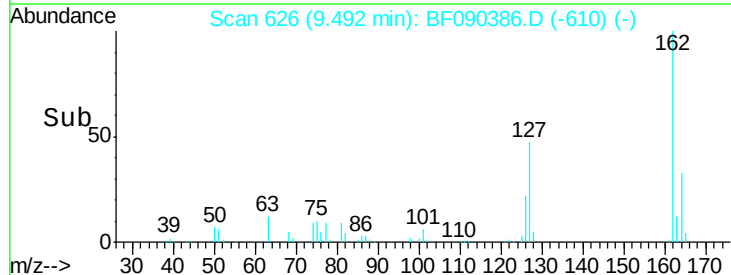
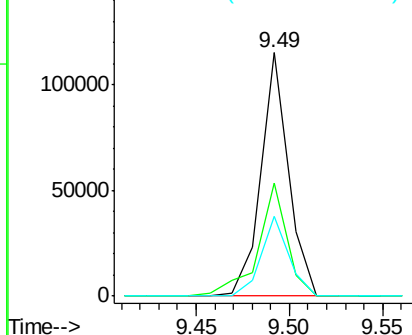


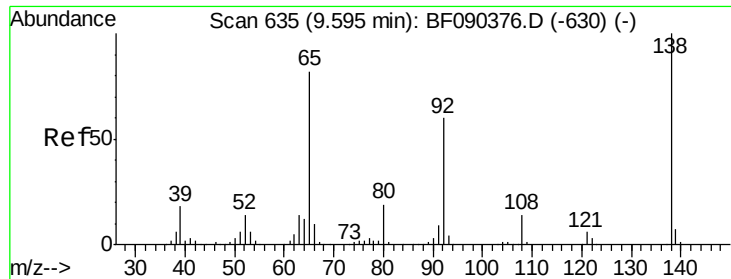
#46
 2-Chloronaphthalene
 Concen: 4.36 ng
 RT: 9.49 min Scan# 626
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:162 Resp: 116622
 Ion Ratio Lower Upper
 162 100
 127 46.3 35.6 53.4
 164 32.9 27.5 41.3



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

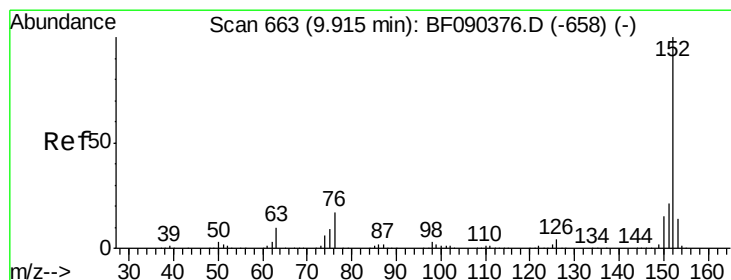
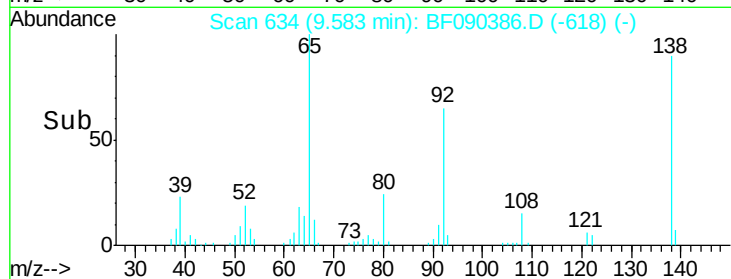
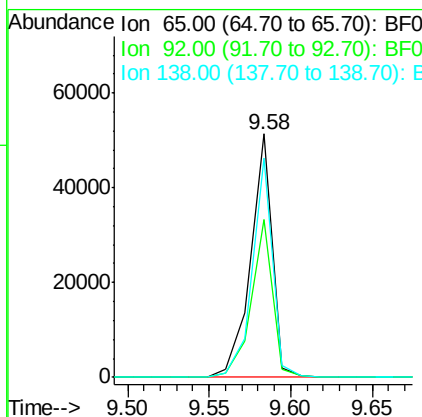
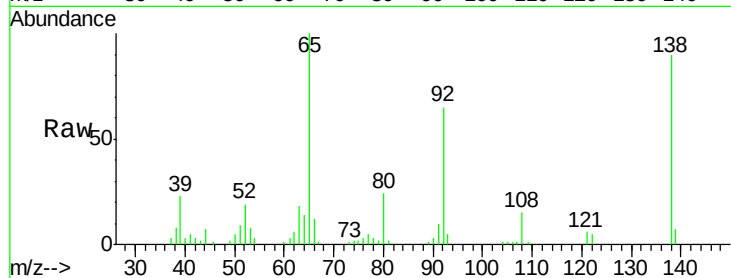




#47
 2-Nitroaniline
 Concen: 4.49 ng
 RT: 9.58 min Scan# 634
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

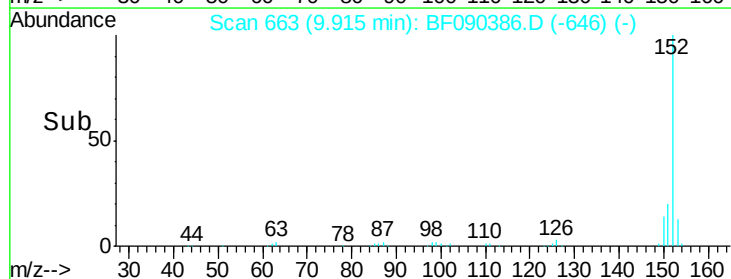
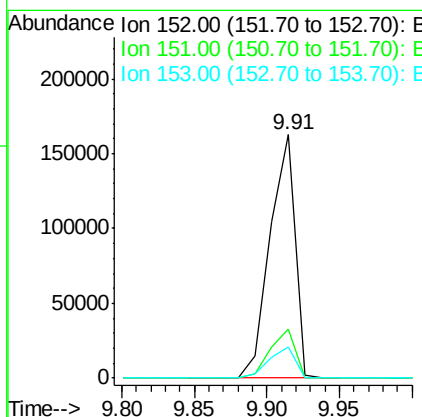
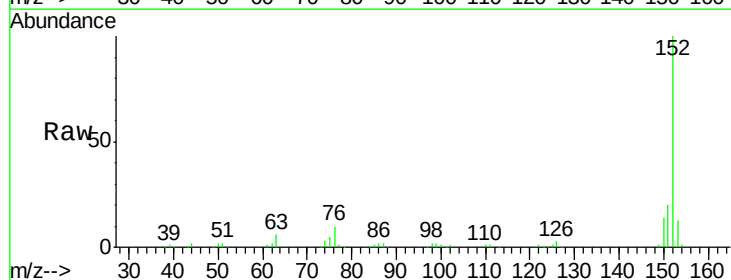
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

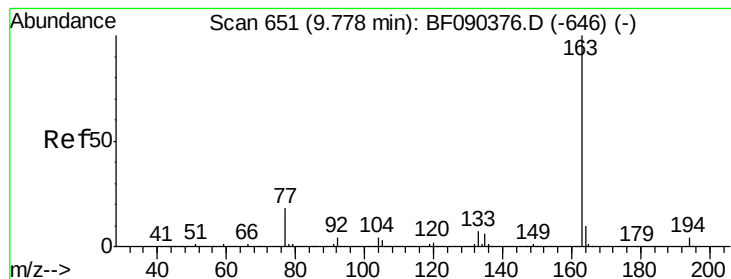
Tgt Ion: 65 Resp: 47416
 Ion Ratio Lower Upper
 65 100
 92 64.8 51.7 77.5
 138 90.0 79.0 118.4



#48
 Acenaphthylene
 Concen: 4.44 ng
 RT: 9.91 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion: 152 Resp: 195742
 Ion Ratio Lower Upper
 152 100
 151 19.9 17.4 26.0
 153 12.5 11.6 17.4





#49

Dimethylphthalate

Concen: 4.29 ng

RT: 9.77 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

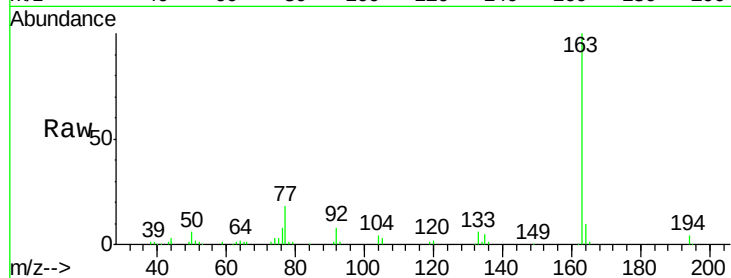
Tgt Ion:163 Resp: 134295

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

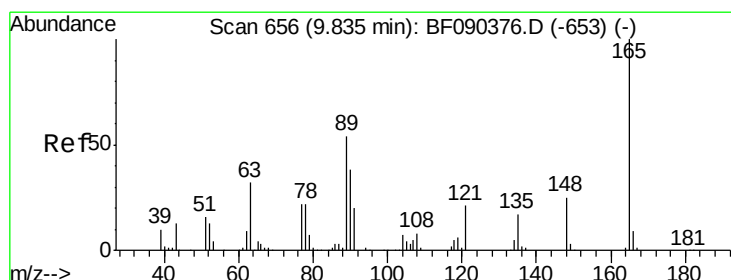
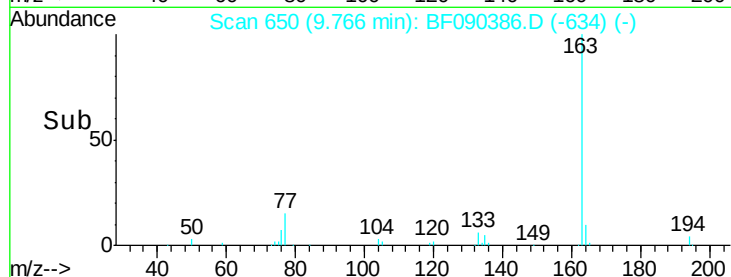
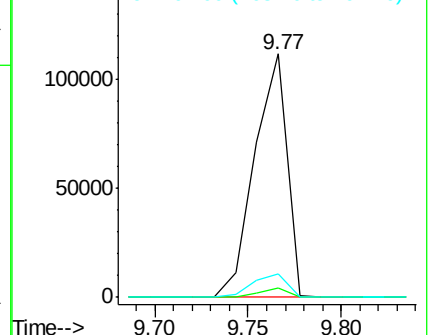
164 9.8 9.0 13.4



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: 4.20 ng

RT: 9.82 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

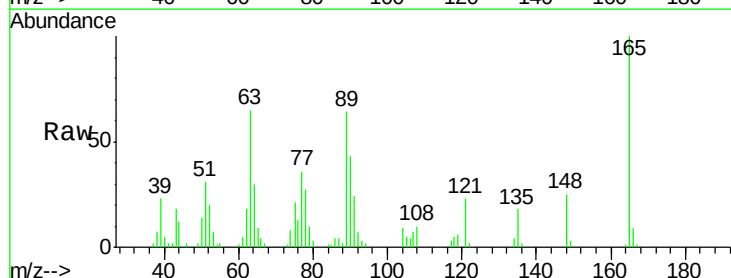
Tgt Ion:165 Resp: 29177

Ion Ratio Lower Upper

165 100

63 64.9 58.0 87.0

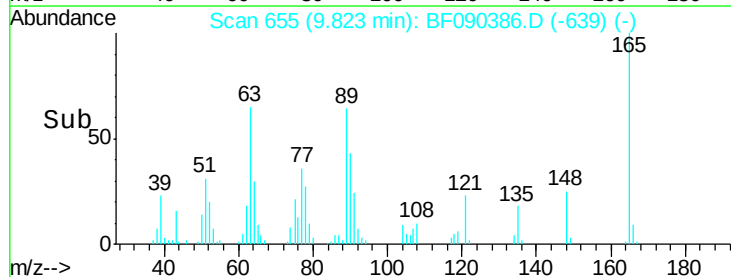
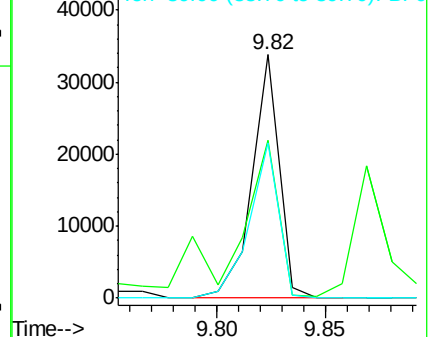
89 63.6 51.2 76.8

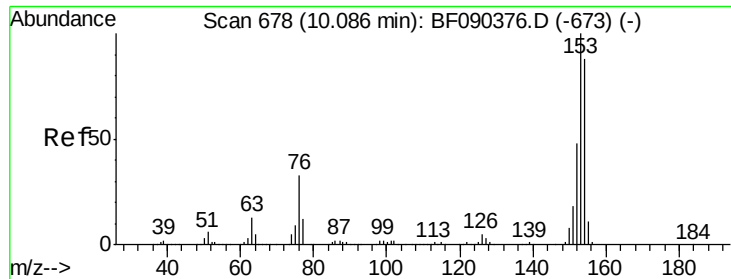


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.50 ng

RT: 10.09 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

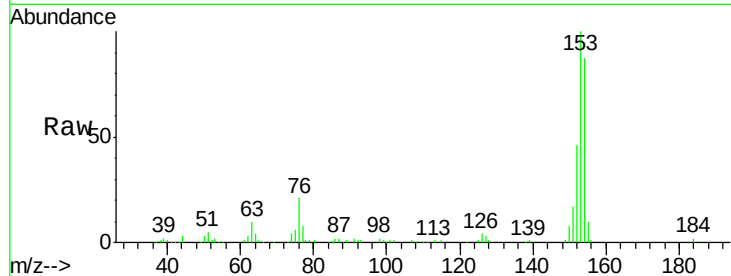
Tgt Ion:154 Resp: 123943

Ion Ratio Lower Upper

154 100

153 115.0 88.6 133.0

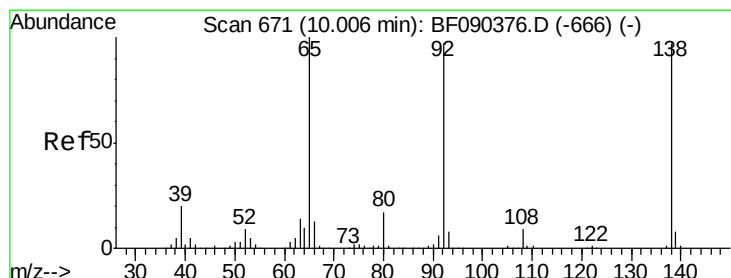
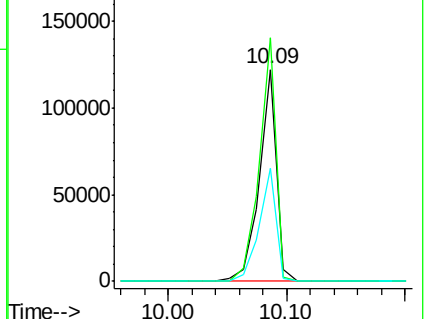
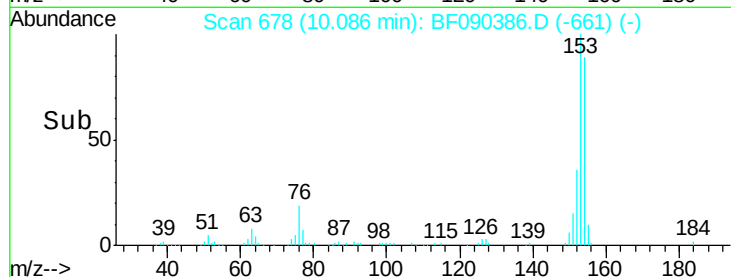
152 53.1 42.6 64.0



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: 3.90 ng

RT: 9.99 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

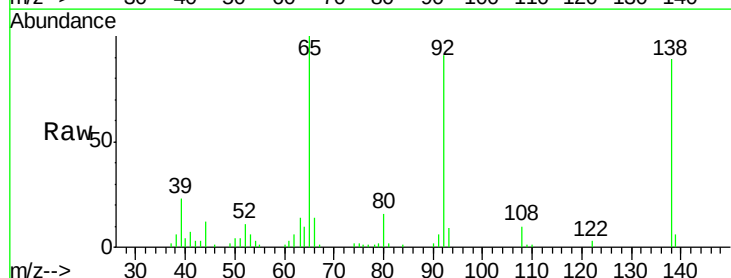
Tgt Ion:138 Resp: 31679

Ion Ratio Lower Upper

138 100

108 10.8 9.7 14.5

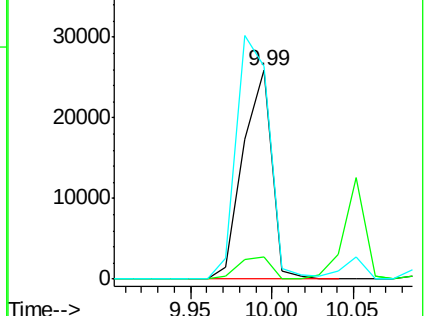
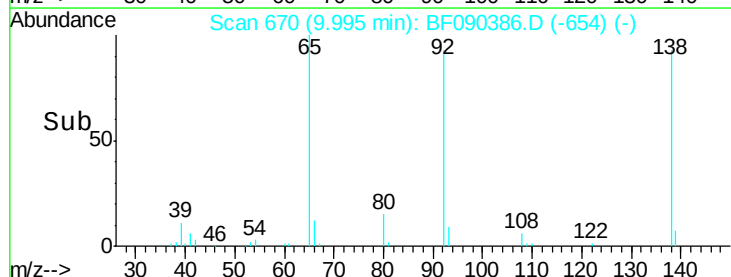
92 102.3 97.1 145.7

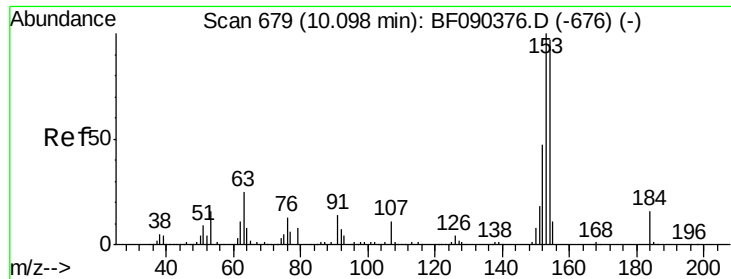


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

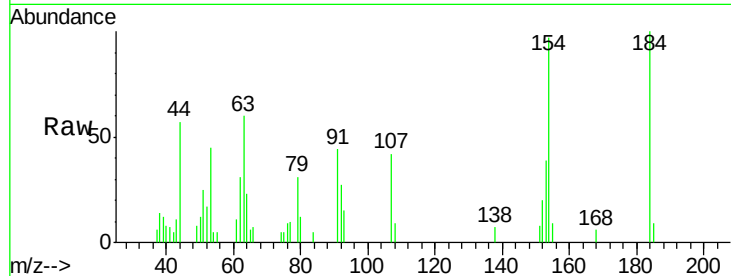




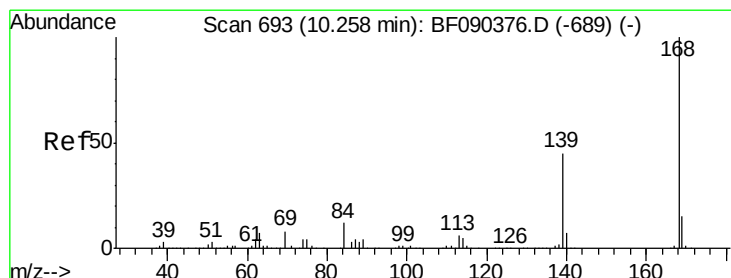
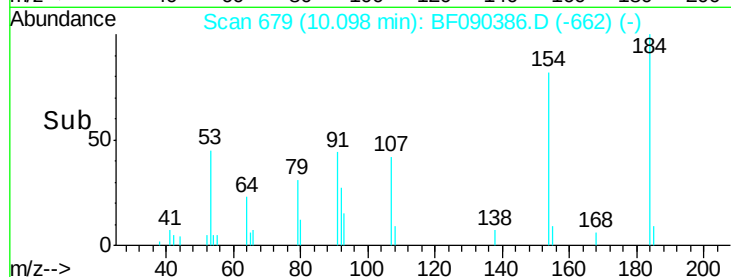
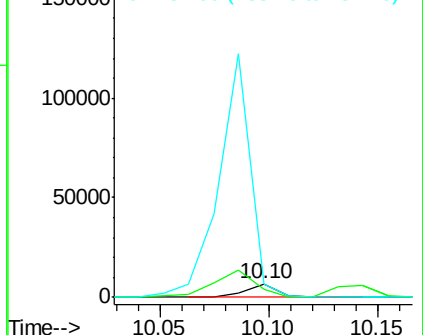
#53
2,4-Dinitrophenol
Concen: 2.11 ng
RT: 10.10 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:184 Resp: 6531
Ion Ratio Lower Upper
184 100
63 60.3 41.9 62.9
154 96.6 48.9 73.3#

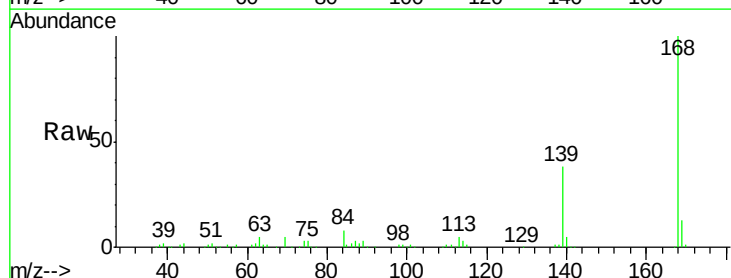


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

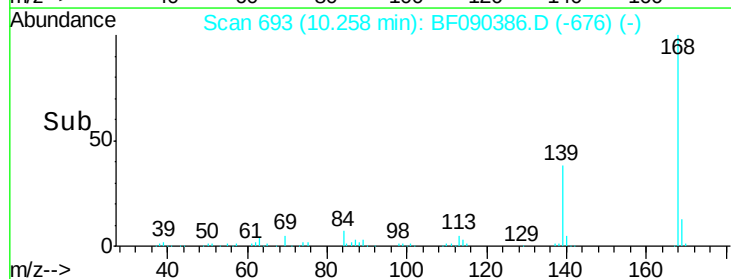
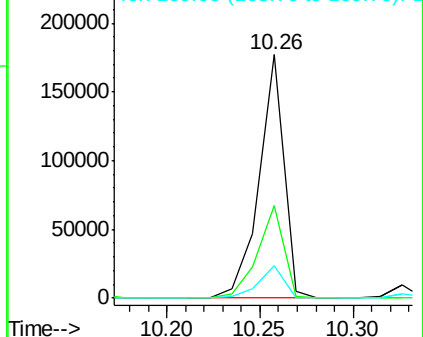


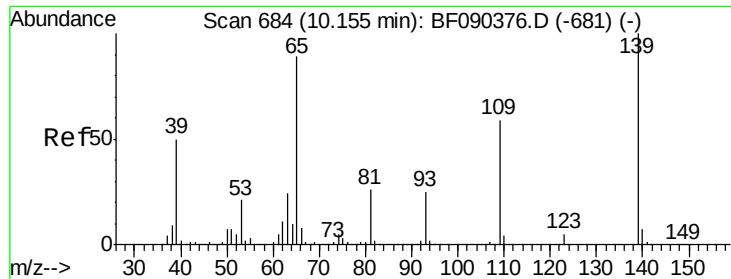
#54
Dibenzofuran
Concen: 4.54 ng
RT: 10.26 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:168 Resp: 161729
Ion Ratio Lower Upper
168 100
139 38.1 29.6 44.4
169 13.3 11.3 16.9



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

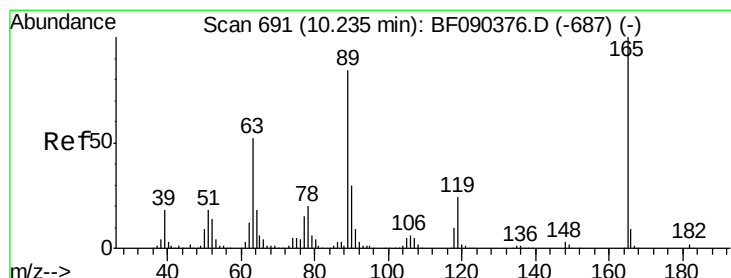
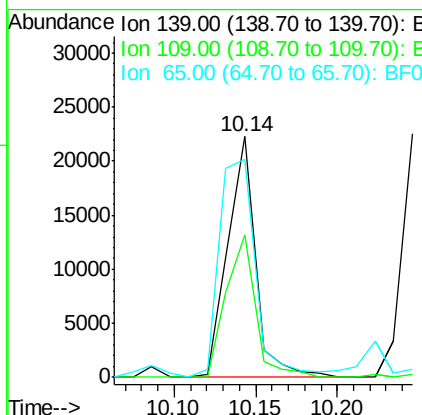
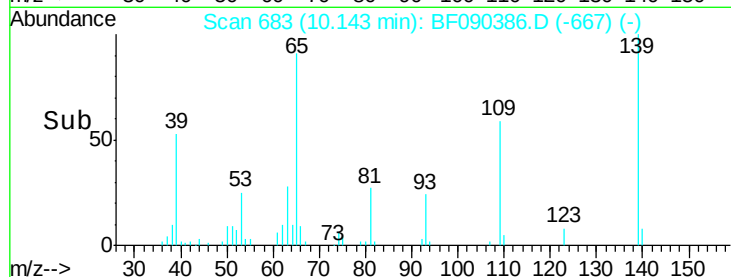
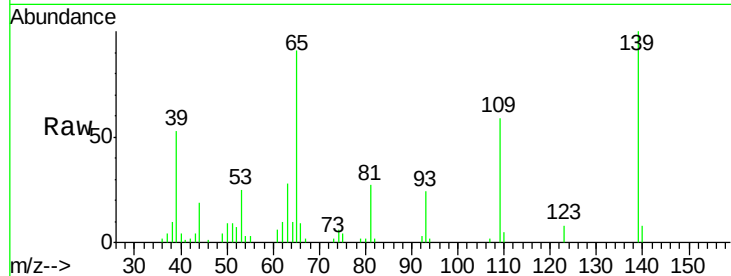




#55
4-Nitrophenol
Concen: 3.69 ng
RT: 10.14 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

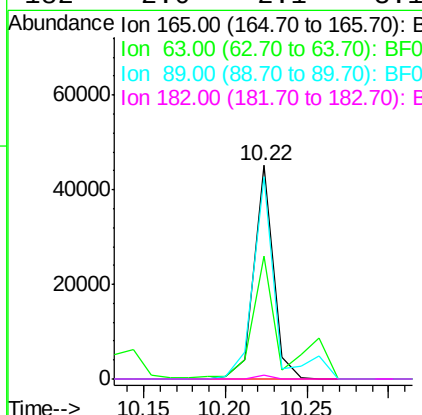
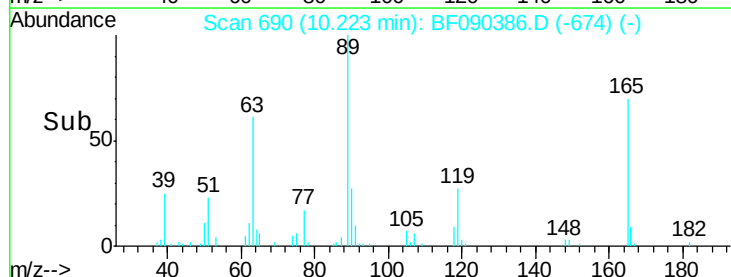
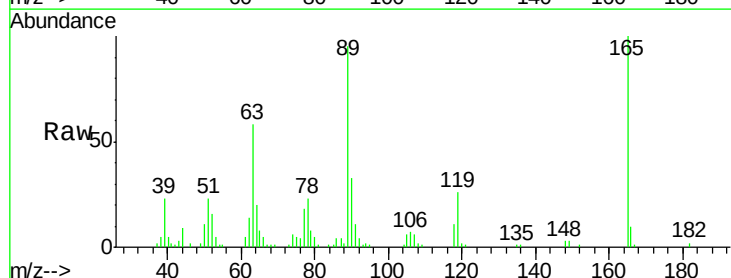
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

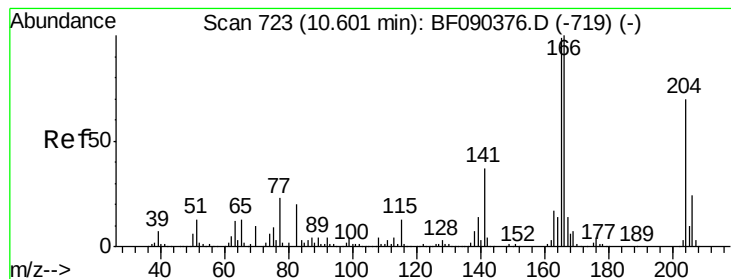
Tgt Ion:139 Resp: 26193
Ion Ratio Lower Upper
139 100
109 59.4 43.6 83.6
65 90.7 87.5 127.5



#56
2,4-Dinitrotoluene
Concen: 4.05 ng
RT: 10.22 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:165 Resp: 37468
Ion Ratio Lower Upper
165 100
63 57.6 17.8 26.6#
89 94.6 33.2 49.8#
182 2.0 2.1 3.1#





#57

Fluorene

Concen: 4.83 ng

RT: 10.60 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

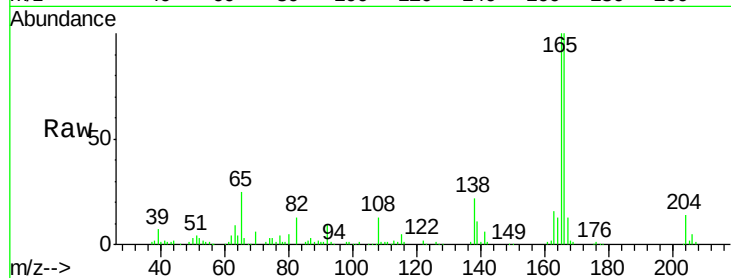
Tgt Ion:166 Resp: 144501

Ion Ratio Lower Upper

166 100

165 99.7 79.2 118.8

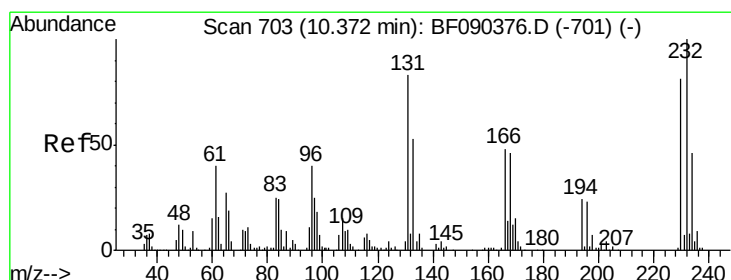
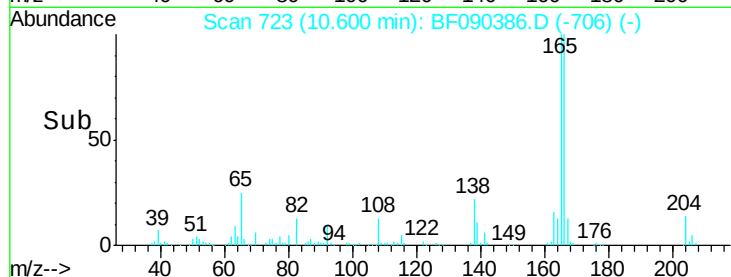
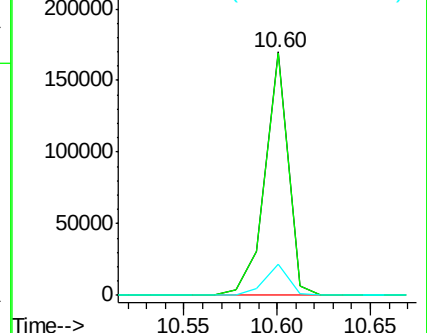
167 13.0 11.1 16.7



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: 3.96 ng

RT: 10.37 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Tgt Ion:232 Resp: 24830

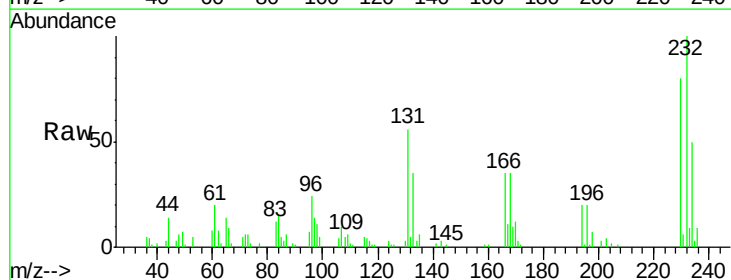
Ion Ratio Lower Upper

232 100

131 63.0 34.5 51.7#

130 2.3 1.6 2.4

166 36.4 23.8 35.8#

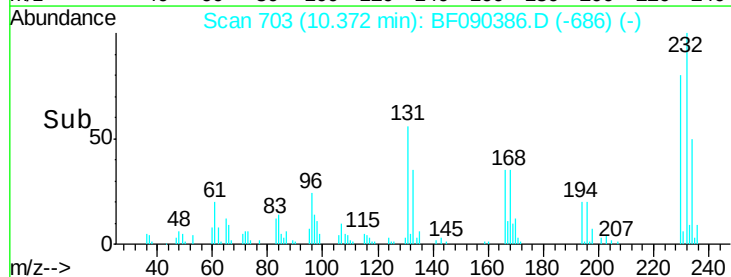
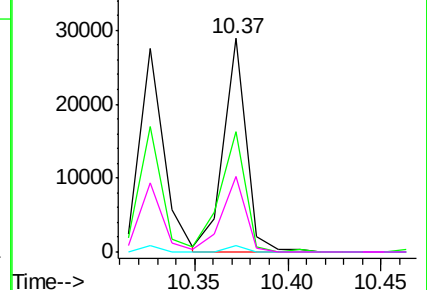


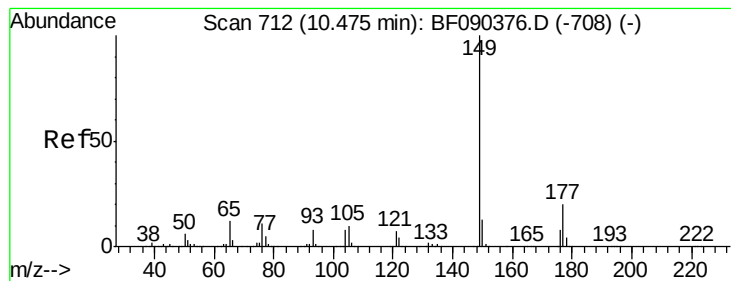
Abundance Ion 232.00 (231.70 to 232.70): E

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: 4.15 ng

RT: 10.46 min Scan# 711

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

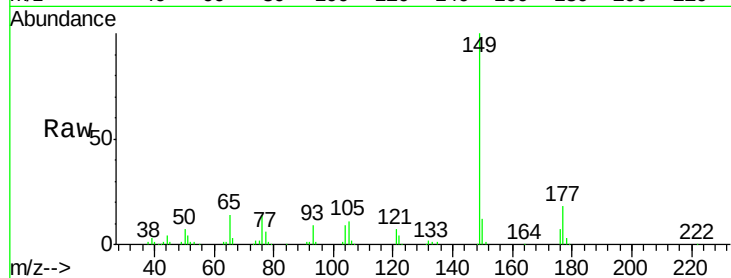
Tgt Ion:149 Resp: 134209

Ion Ratio Lower Upper

149 100

177 17.6 21.1 31.7#

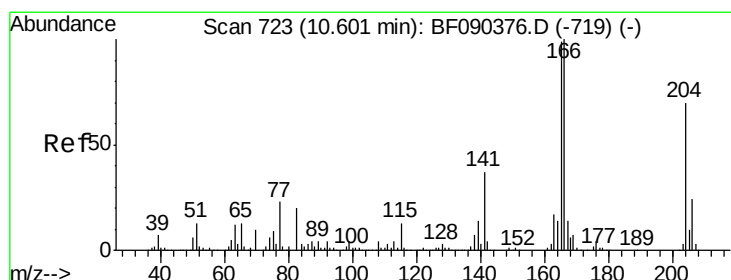
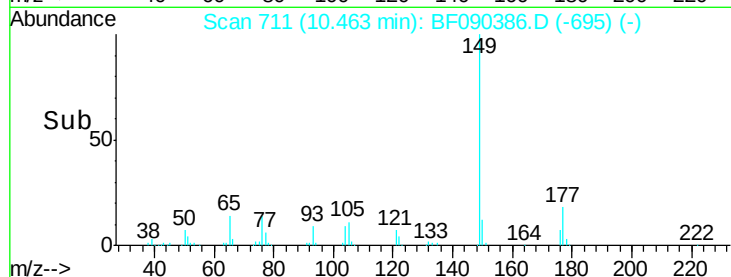
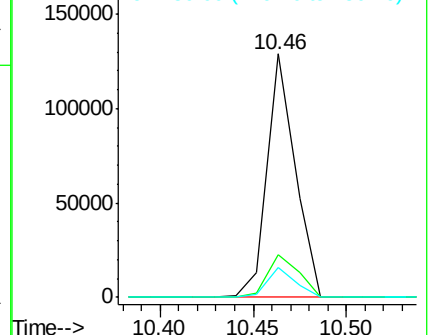
150 12.2 10.2 15.2



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: 4.12 ng

RT: 10.59 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

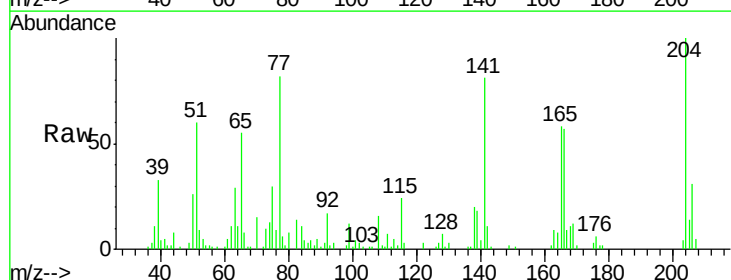
Tgt Ion:204 Resp: 56077

Ion Ratio Lower Upper

204 100

206 30.9 26.7 40.1

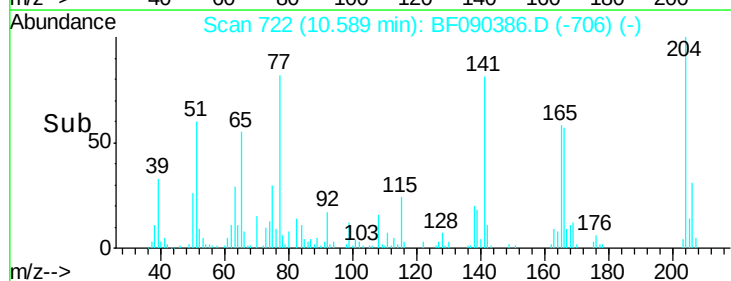
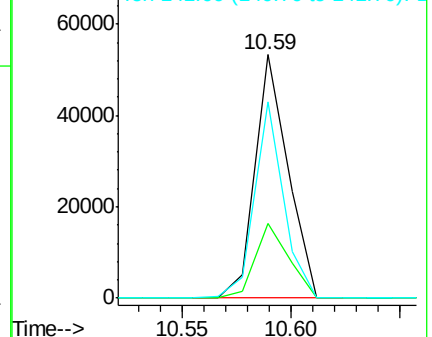
141 80.6 51.7 77.5#

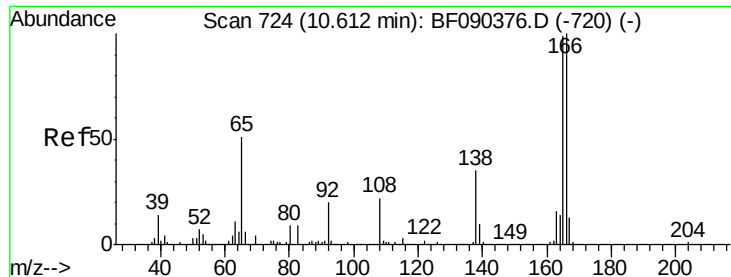


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 4.32 ng

RT: 10.60 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

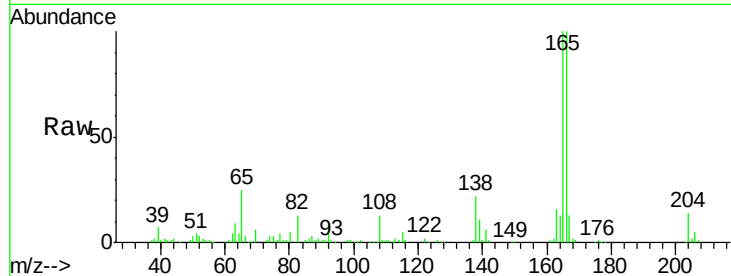
Tgt Ion:138 Resp: 35350

Ion Ratio Lower Upper

138 100

92 46.4 33.2 73.2

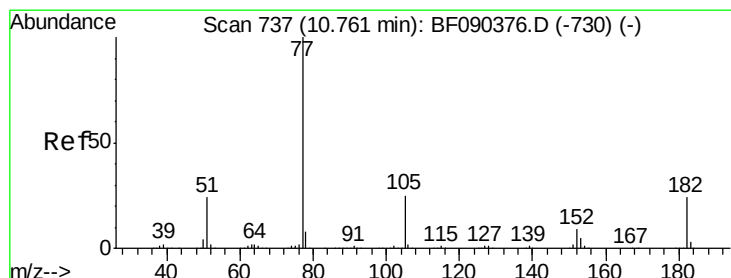
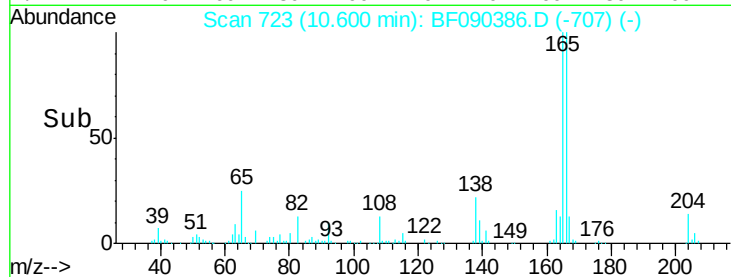
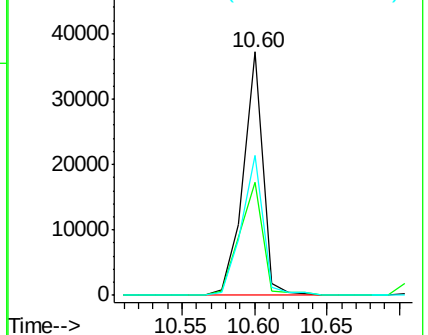
108 57.7 48.5 88.5



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: 4.34 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Tgt Ion: 77 Resp: 162213

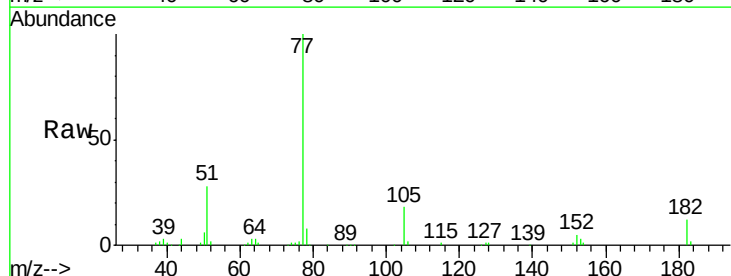
Ion Ratio Lower Upper

77 100

182 12.1 3.2 43.2

105 18.4 2.9 42.9

51 28.1 14.2 54.2

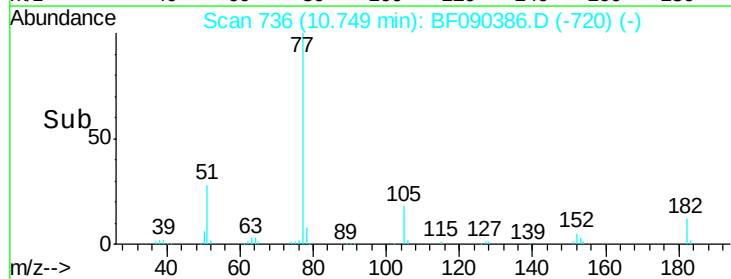
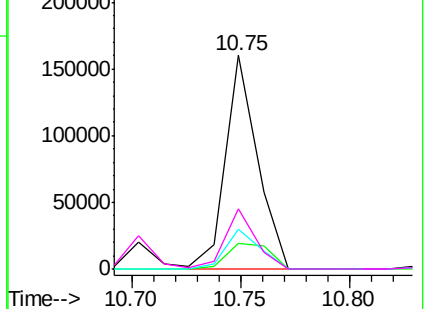


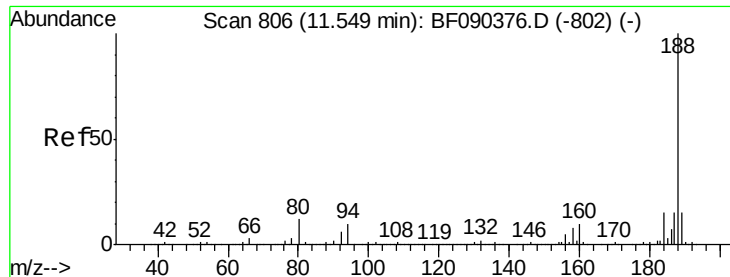
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

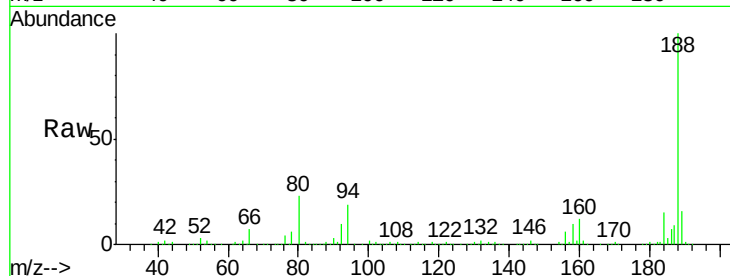




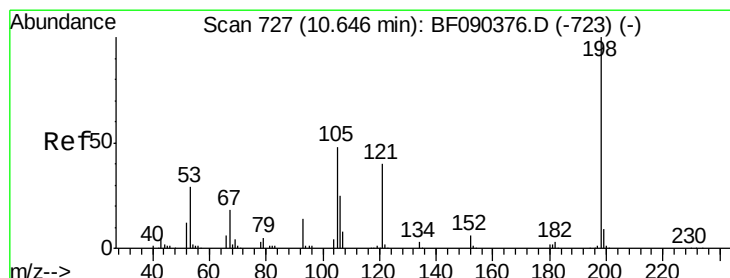
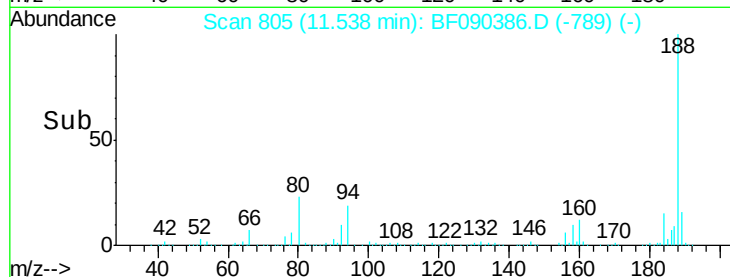
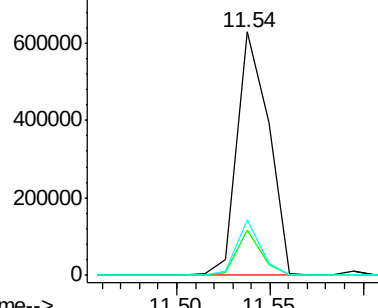
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.54 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:188 Resp: 733635
Ion Ratio Lower Upper
188 100
94 18.5 8.2 12.2#
80 22.5 8.8 13.2#

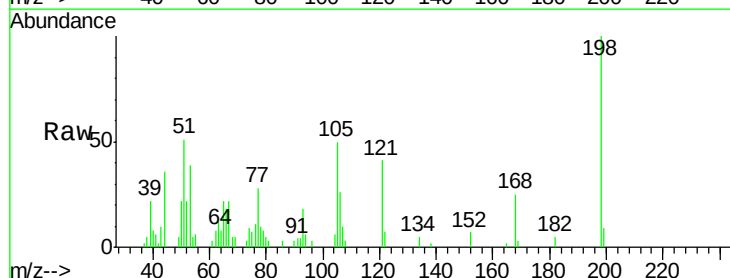


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

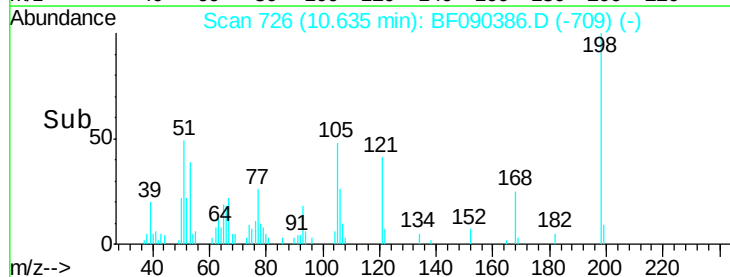
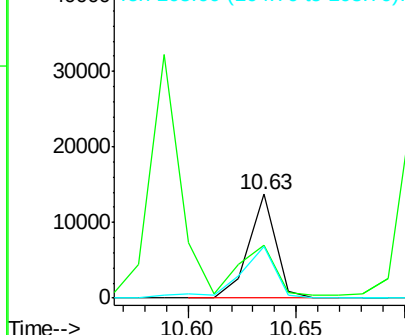


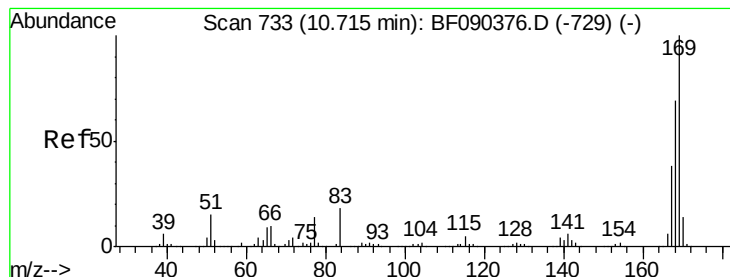
#64
4,6-Dinitro-2-methylphenol
Concen: 7.55 ng
RT: 10.63 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:198 Resp: 11818
Ion Ratio Lower Upper
198 100
51 51.3 67.3 107.3#
105 50.3 42.6 82.6



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

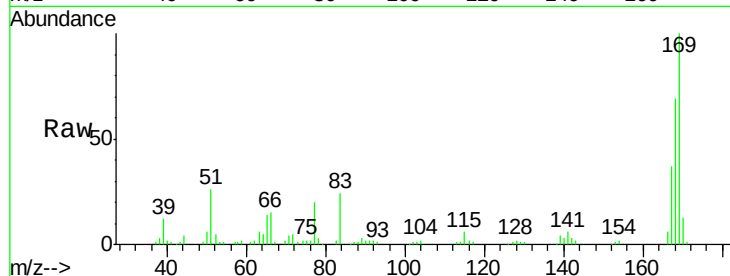




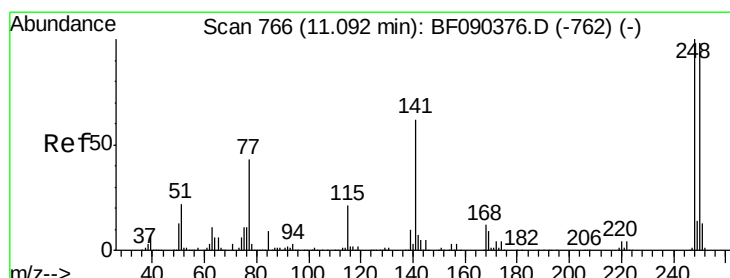
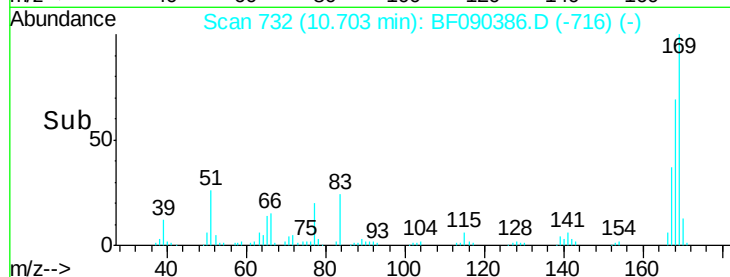
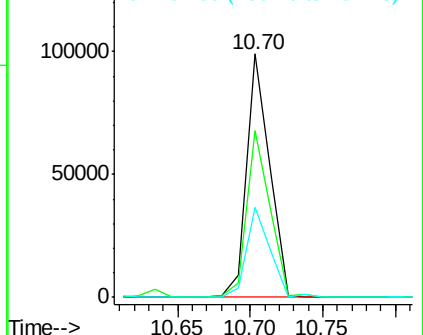
#65
 n-Nitrosodiphenylamine
 Concen: 4.39 ng
 RT: 10.70 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:169 Resp: 107995
 Ion Ratio Lower Upper
 169 100
 168 68.8 53.8 80.6
 167 37.2 29.8 44.8

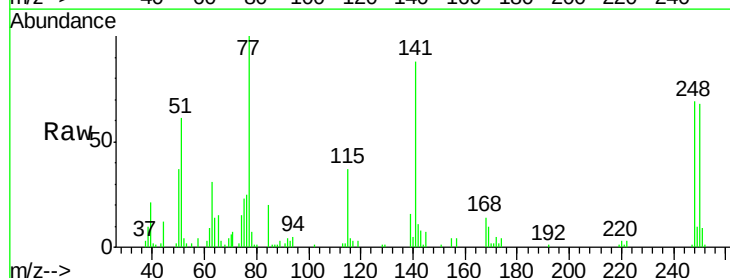


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

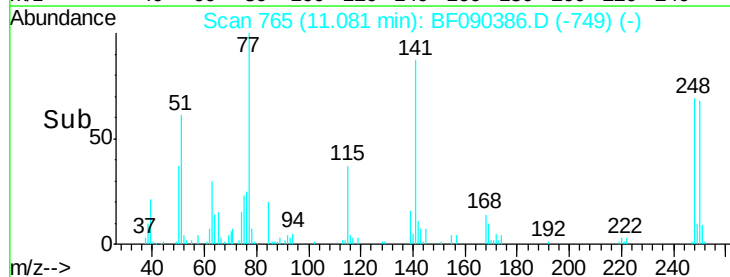
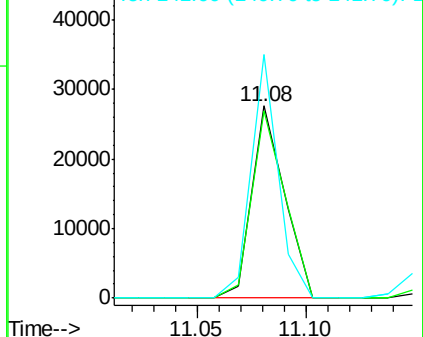


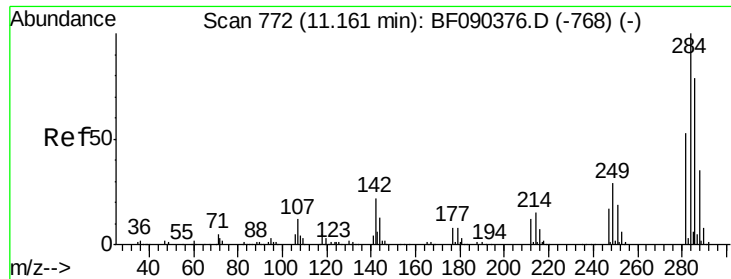
#66
 4-Bromophenyl-phenylether
 Concen: 4.02 ng
 RT: 11.08 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:248 Resp: 28881
 Ion Ratio Lower Upper
 248 100
 250 97.8 76.5 114.7
 141 126.9 59.8 89.6#



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

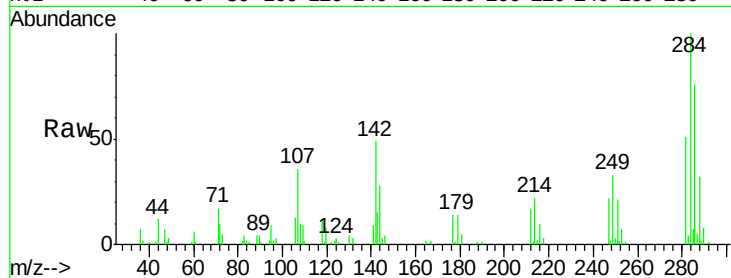




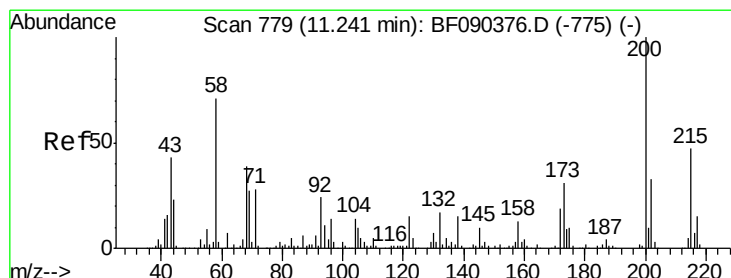
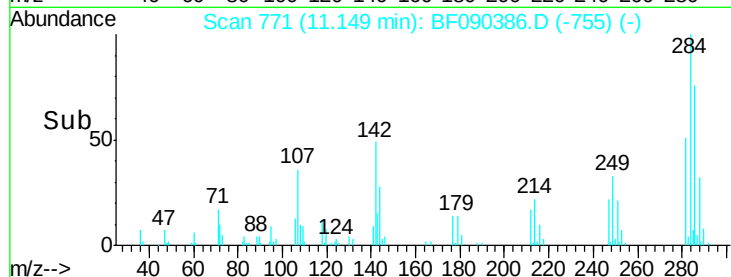
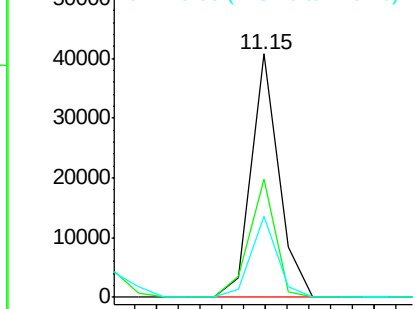
#67
Hexachlorobenzene
Concen: 4.50 ng
RT: 11.15 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

Tgt Ion:284 Resp: 36008
Ion Ratio Lower Upper
284 100
142 48.6 23.1 34.7#
249 33.3 26.3 39.5

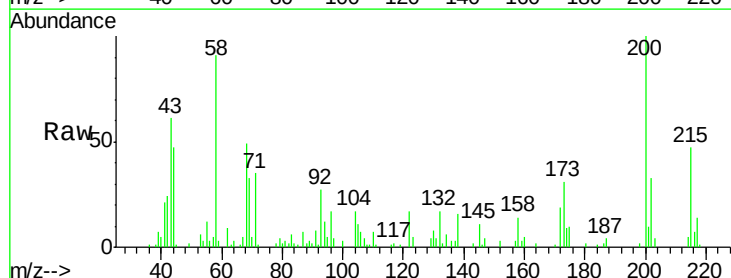


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

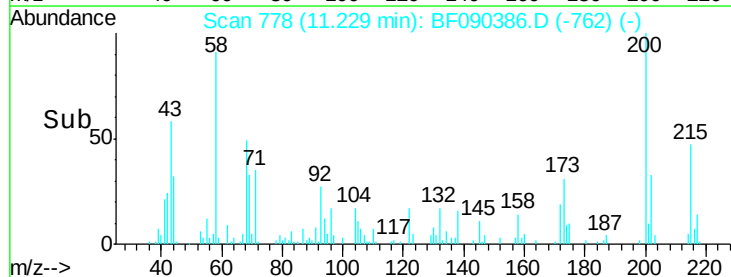
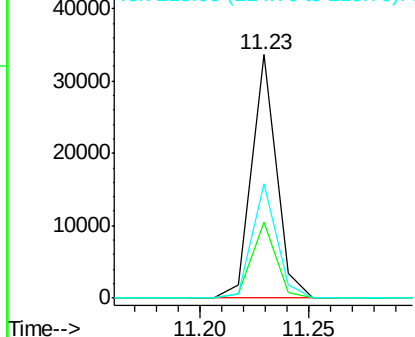


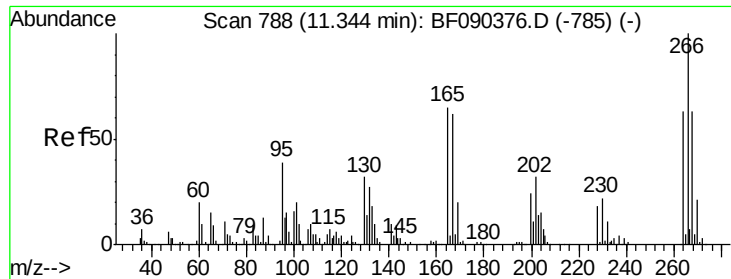
#68
Atrazine
Concen: 4.41 ng
RT: 11.23 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:200 Resp: 26703
Ion Ratio Lower Upper
200 100
173 31.1 9.0 49.0
215 46.9 24.8 64.8



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

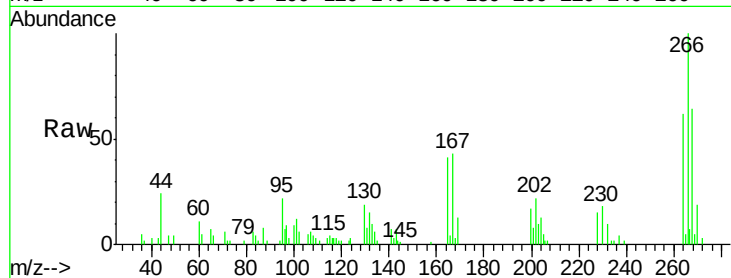




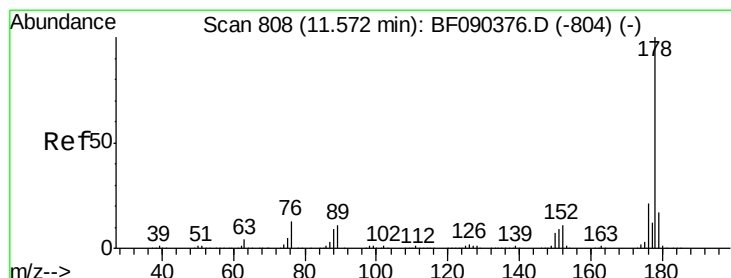
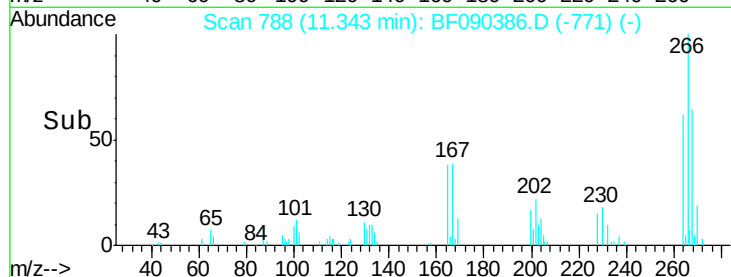
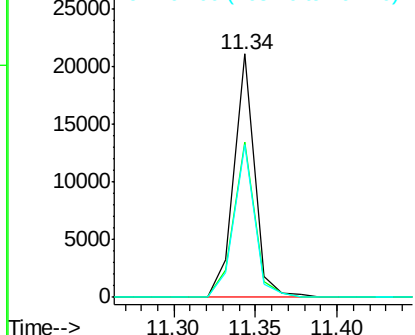
#69
 Pentachlorophenol
 Concen: 3.86 ng
 RT: 11.34 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:266 Resp: 18403
 Ion Ratio Lower Upper
 266 100
 268 63.9 50.9 76.3
 264 62.5 51.5 77.3

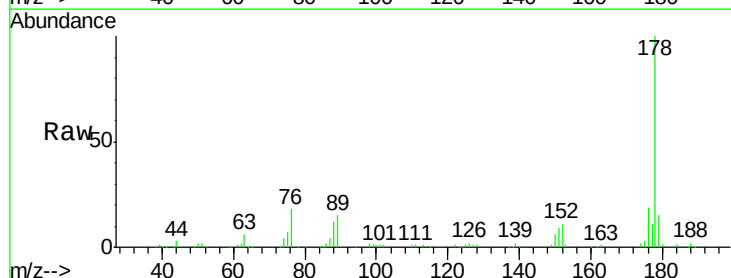


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

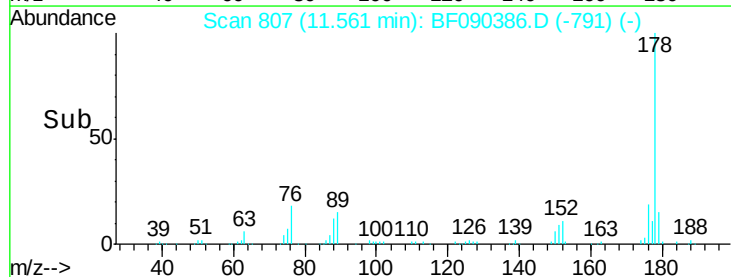
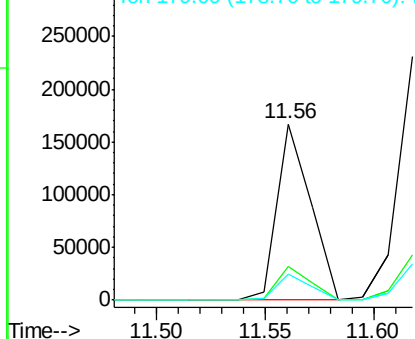


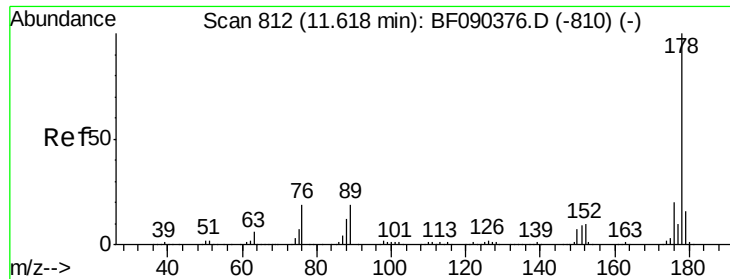
#70
 Phenanthrene
 Concen: 4.83 ng
 RT: 11.56 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:178 Resp: 181365
 Ion Ratio Lower Upper
 178 100
 176 19.5 17.3 25.9
 179 15.1 13.8 20.6



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

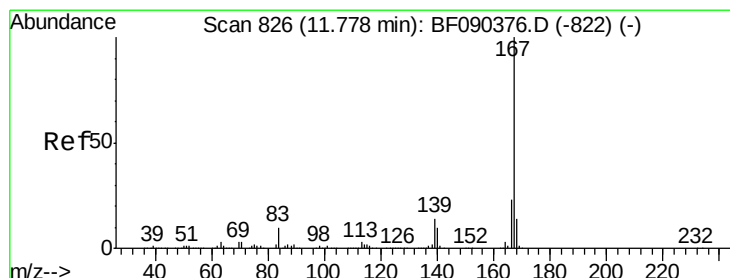
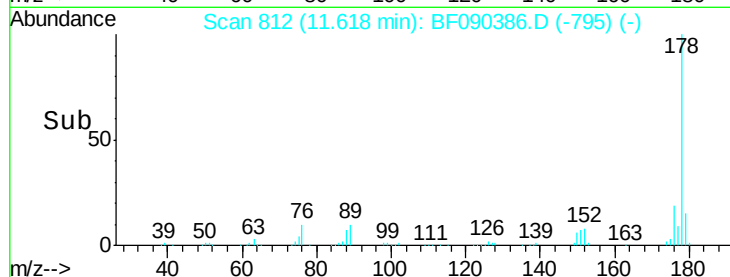
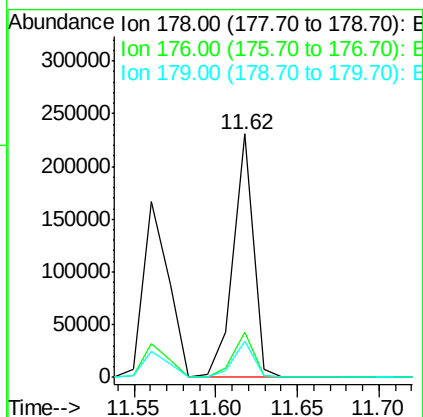
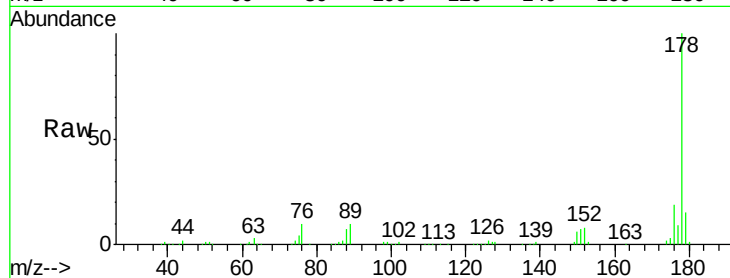




#71
 Anthracene
 Concen: 5.11 ng
 RT: 11.62 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

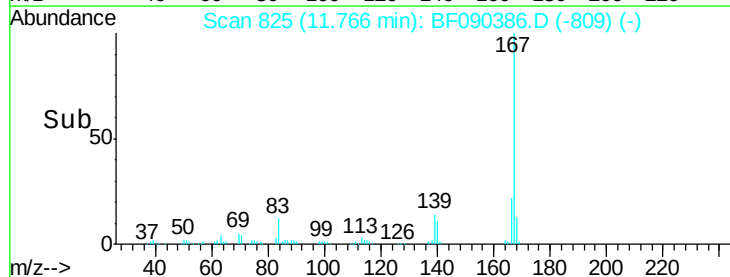
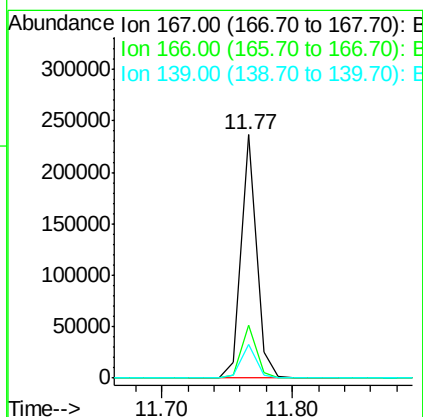
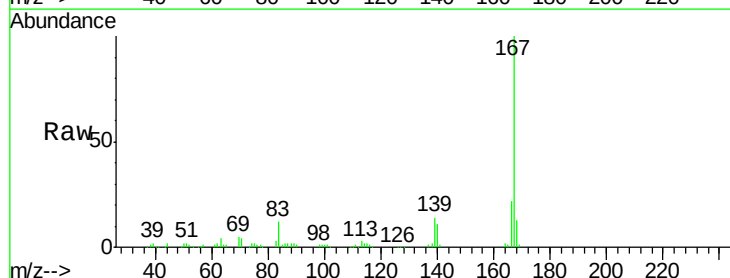
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

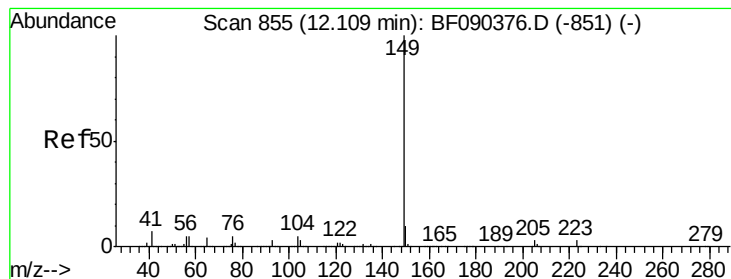
Tgt Ion:178 Resp: 196179
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.8 25.2
 179 14.7 13.4 20.2



#72
 Carbazole
 Concen: 5.39 ng
 RT: 11.77 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:167 Resp: 192054
 Ion Ratio Lower Upper
 167 100
 166 21.9 19.1 28.7
 139 13.8 12.1 18.1





#73

Di-n-butylphthalate

Concen: 4.82 ng

RT: 12.10 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

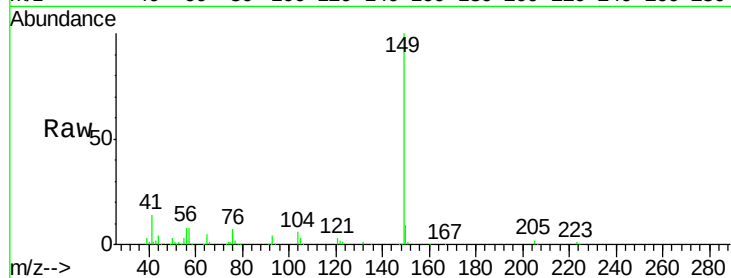
Tgt Ion:149 Resp: 209227

Ion Ratio Lower Upper

149 100

150 9.1 8.6 12.8

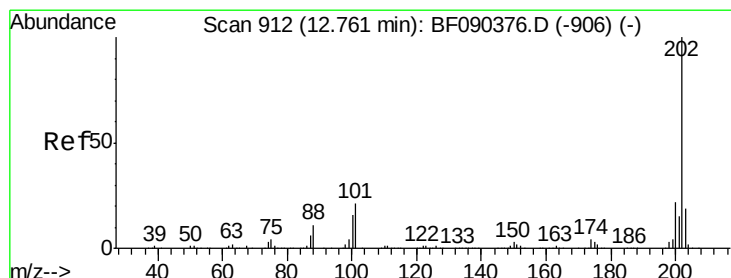
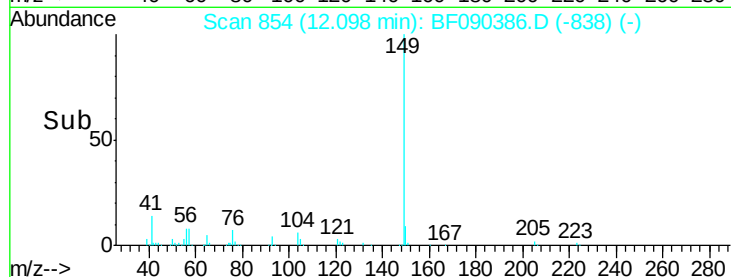
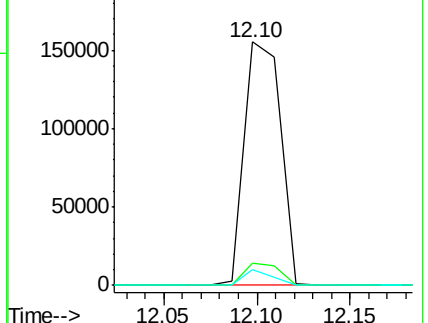
104 6.3 4.7 7.1



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: 4.59 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

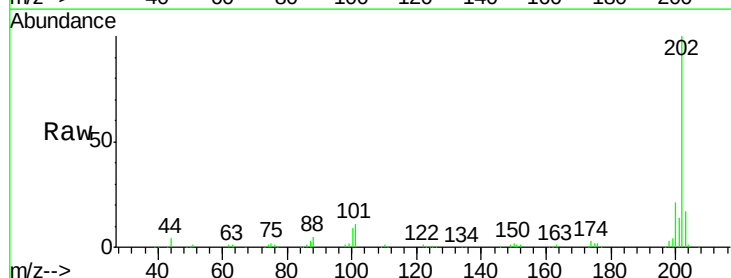
Tgt Ion:202 Resp: 169312

Ion Ratio Lower Upper

202 100

101 11.0 0.0 37.2

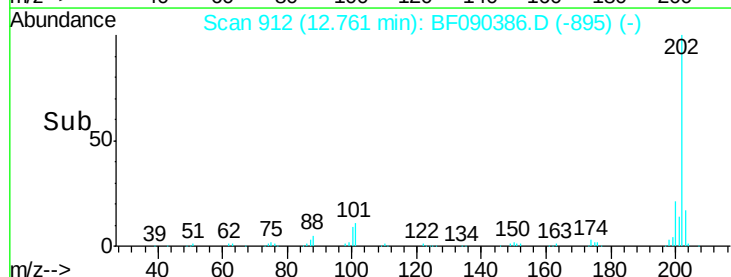
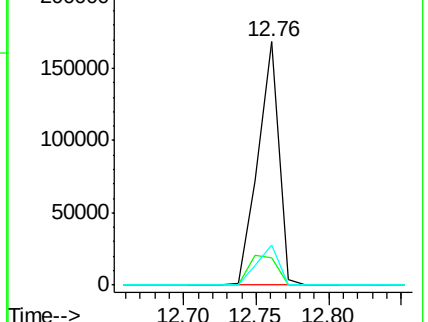
203 16.6 0.0 39.3

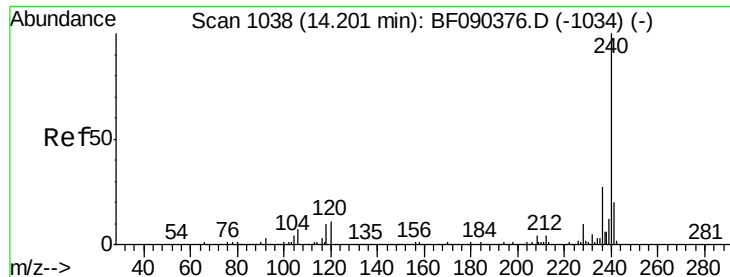


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

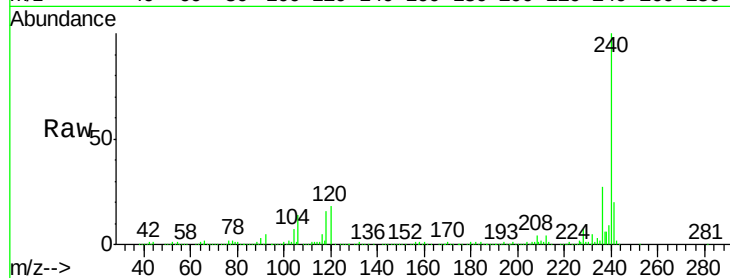
Tgt Ion:240 Resp: 624065

Ion Ratio Lower Upper

240 100

120 18.0 8.6 13.0#

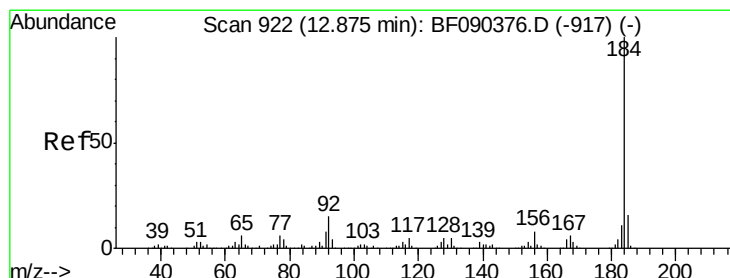
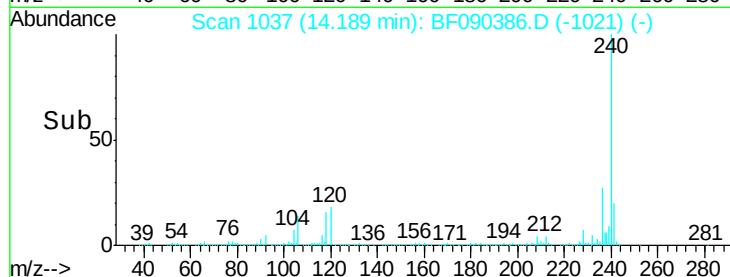
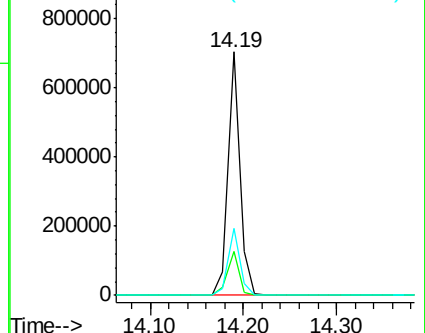
236 27.3 21.6 32.4



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: 6.12 ng

RT: 12.87 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

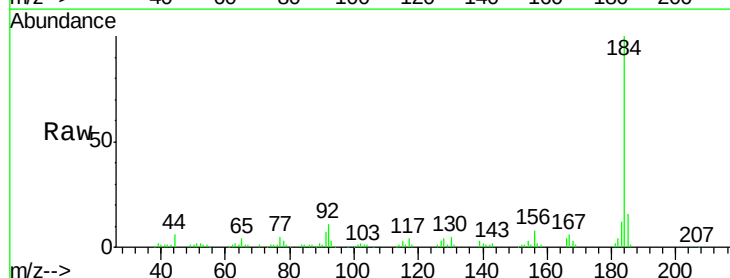
Tgt Ion:184 Resp: 100456

Ion Ratio Lower Upper

184 100

185 15.9 11.8 17.8

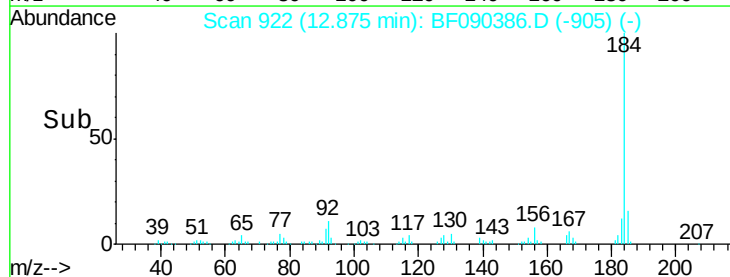
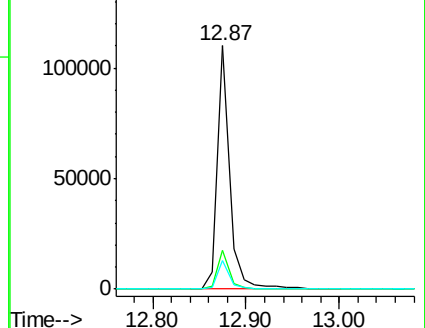
183 11.9 9.6 14.4

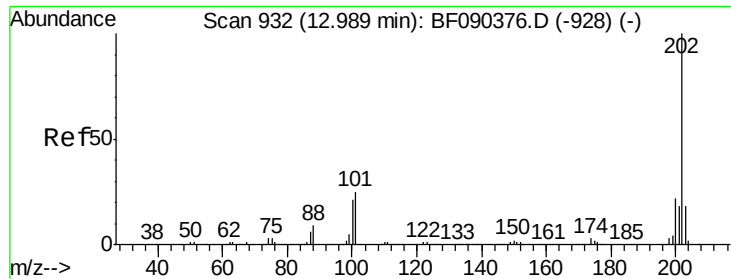


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

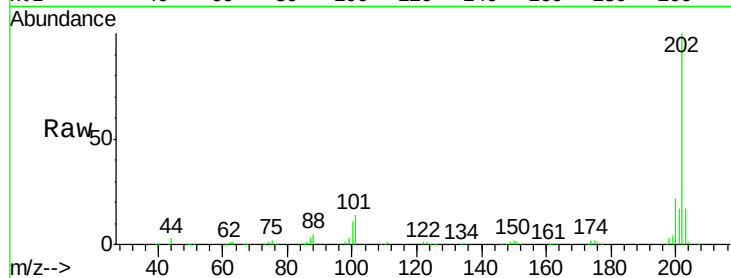




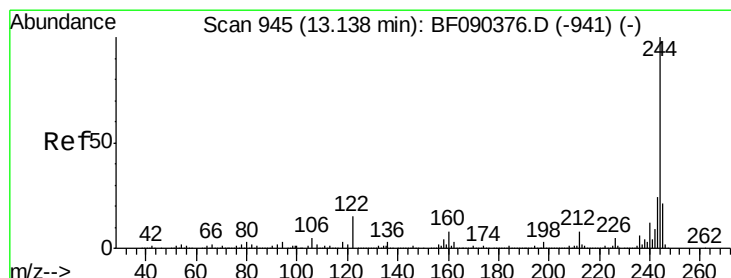
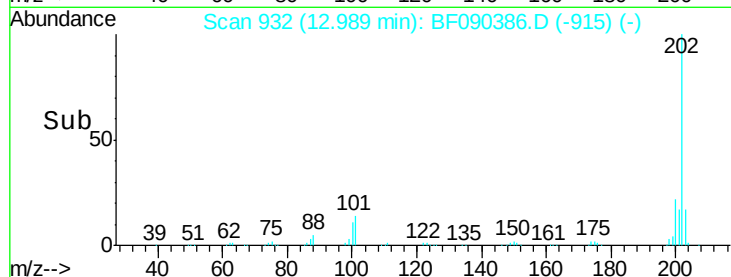
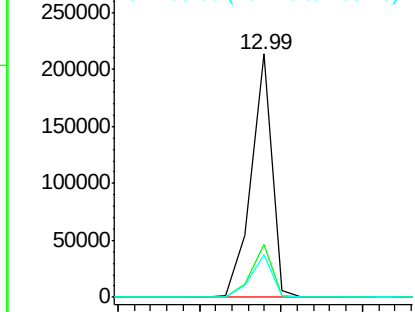
#77
 Pyrene
 Concen: 4.54 ng
 RT: 12.99 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

Tgt Ion:202 Resp: 188812
 Ion Ratio Lower Upper
 202 100
 200 21.7 18.5 27.7
 203 17.3 15.0 22.6

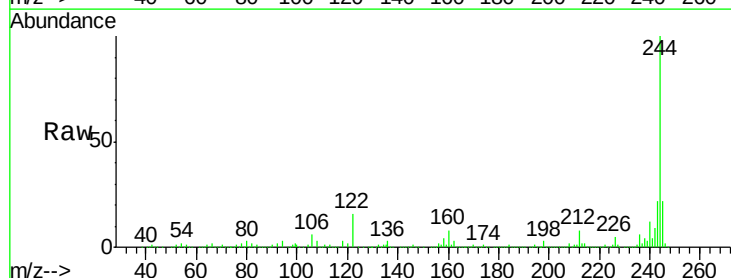


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

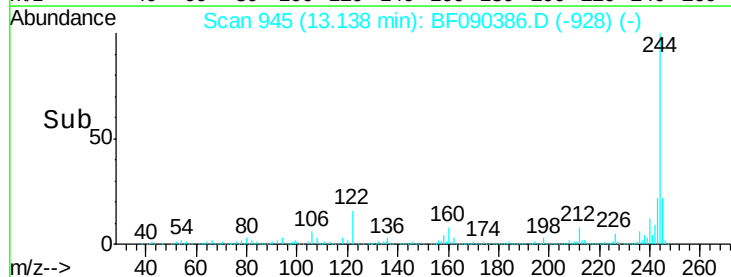
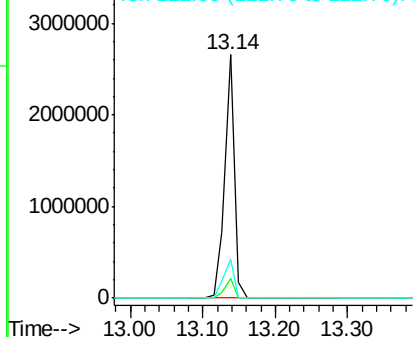


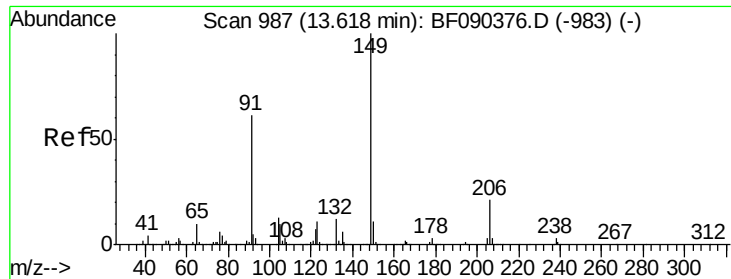
#78
 Terphenyl-d14
 Concen: 88.71 ng
 RT: 13.14 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:244 Resp: 2462435
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.8 10.2
 122 15.9 13.3 19.9



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

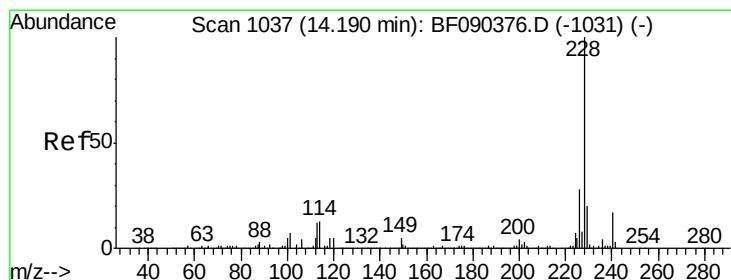
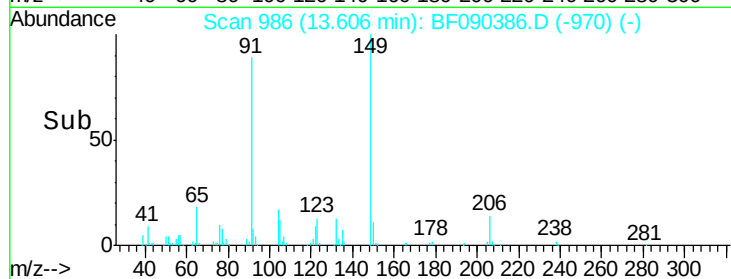
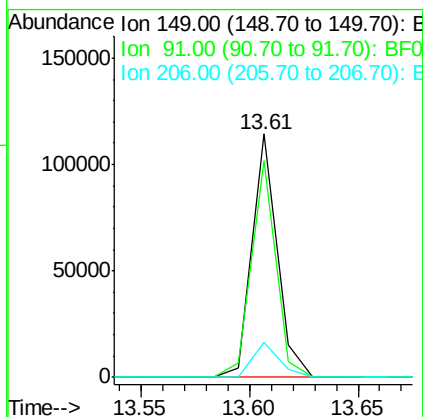
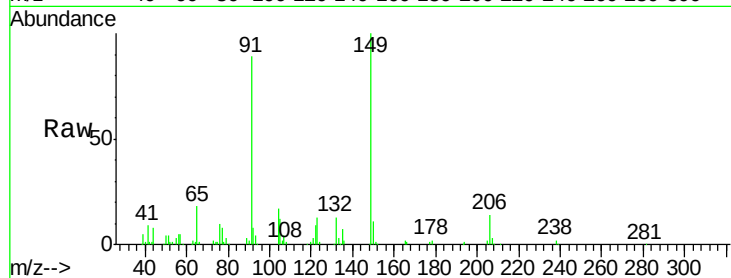




#79
Butylbenzylphthalate
Concen: 4.30 ng
RT: 13.61 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

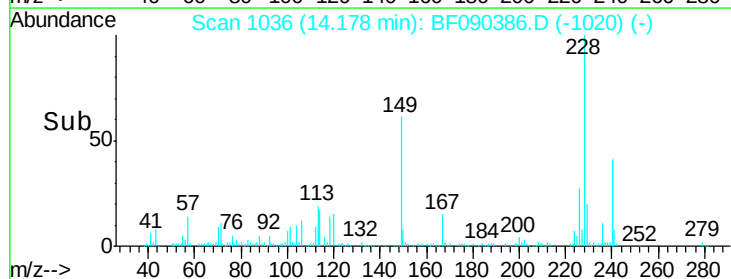
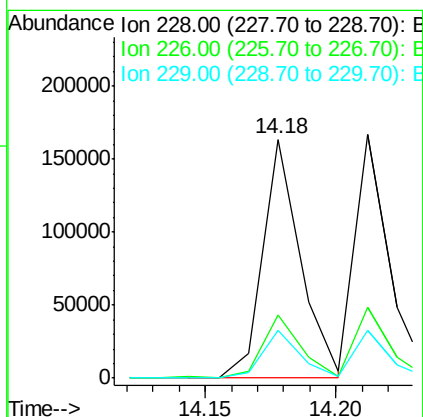
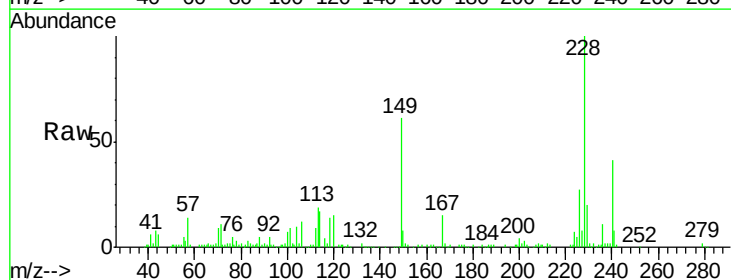
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

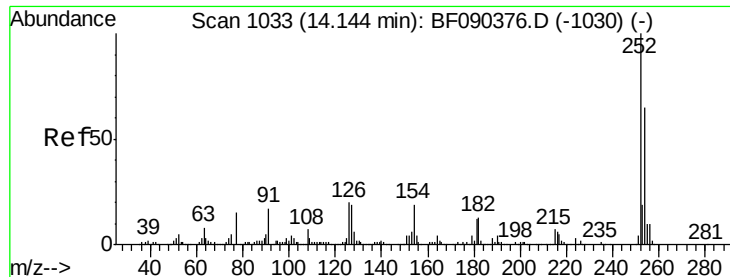
Tgt Ion:149 Resp: 91721
Ion Ratio Lower Upper
149 100
91 89.0 51.8 77.8#
206 14.2 18.0 27.0#



#80
Benzo(a)anthracene
Concen: 4.65 ng
RT: 14.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion:228 Resp: 162761
Ion Ratio Lower Upper
228 100
226 26.6 23.6 35.4
229 19.8 16.6 25.0

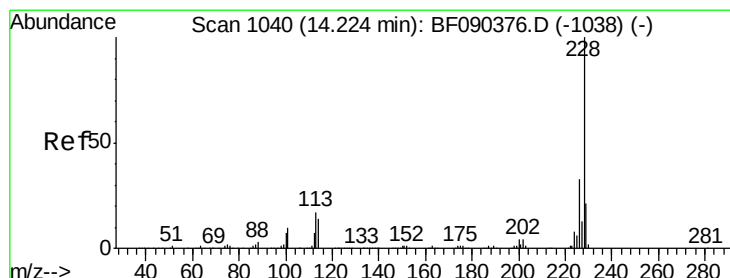
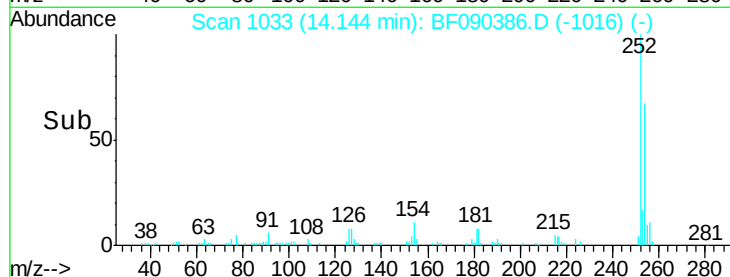
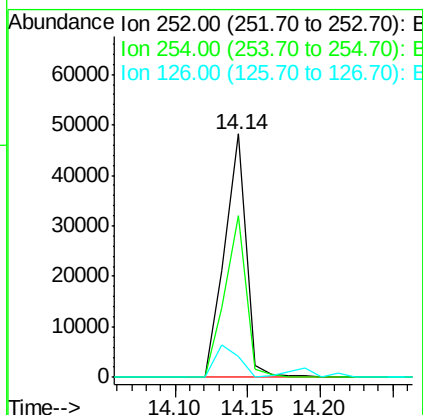
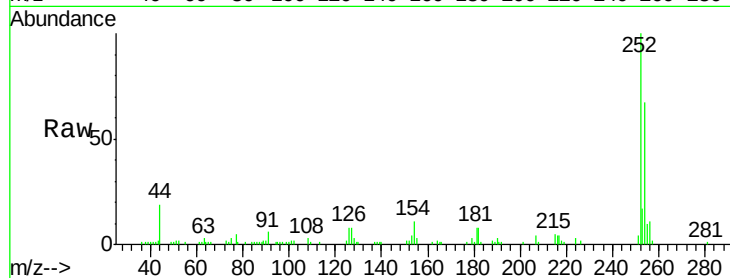




#81
 3,3'-Dichlorobenzidine
 Concen: 3.95 ng
 RT: 14.14 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

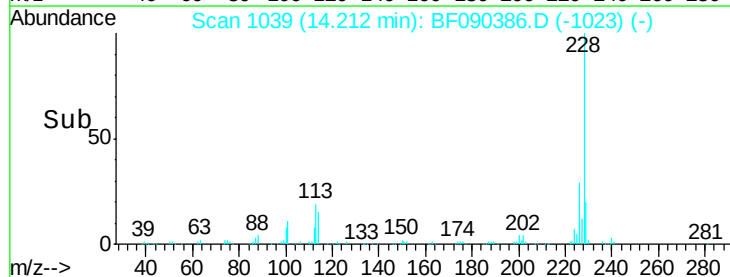
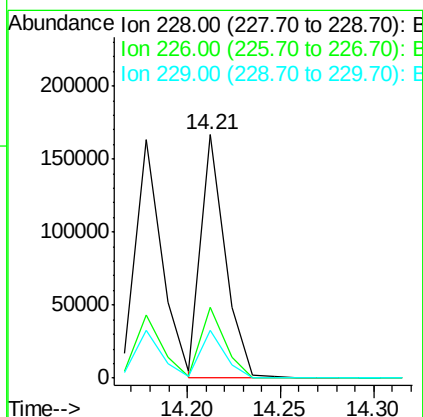
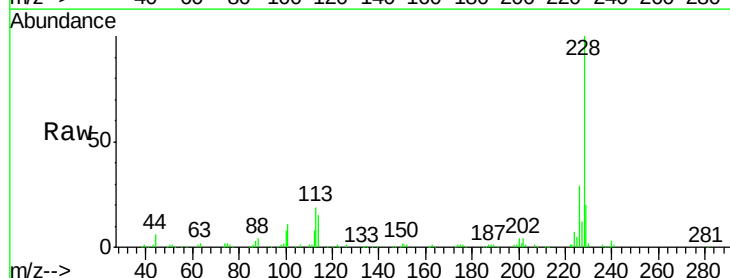
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

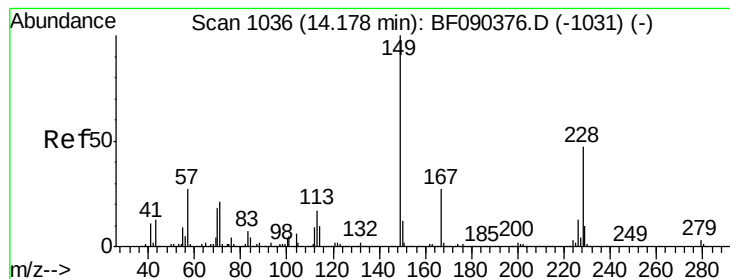
Tgt Ion:252 Resp: 50101
 Ion Ratio Lower Upper
 252 100
 254 66.6 52.1 78.1
 126 8.5 4.2 6.4#



#82
 Chrysene
 Concen: 4.65 ng
 RT: 14.21 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion:228 Resp: 149790
 Ion Ratio Lower Upper
 228 100
 226 29.2 25.8 38.6
 229 19.7 16.9 25.3





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.29 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

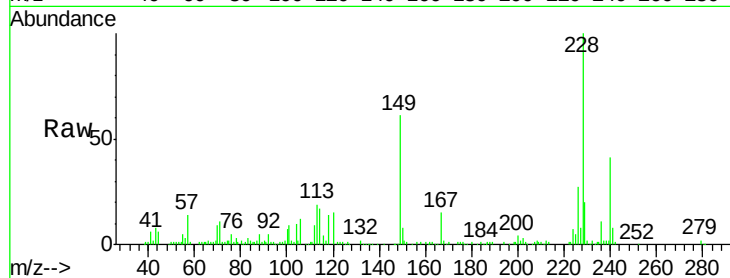
Tgt Ion:149 Resp: 130060

Ion Ratio Lower Upper

149 100

167 25.2 21.5 32.3

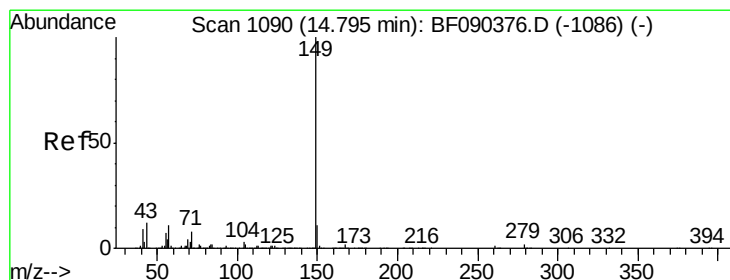
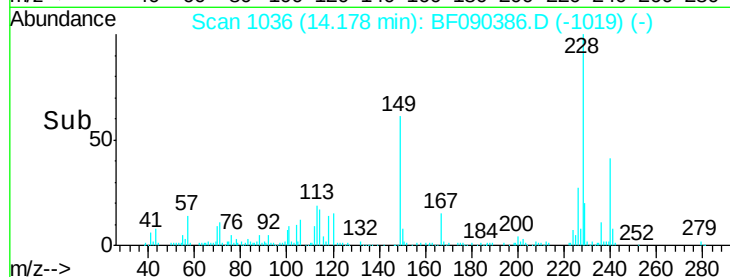
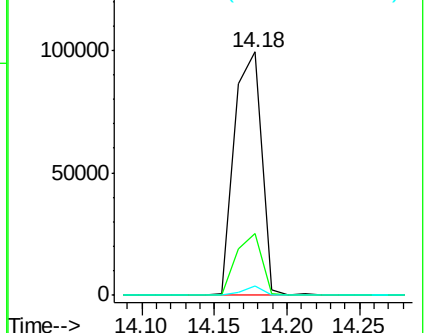
279 3.7 2.6 3.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 4.51 ng

RT: 14.80 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

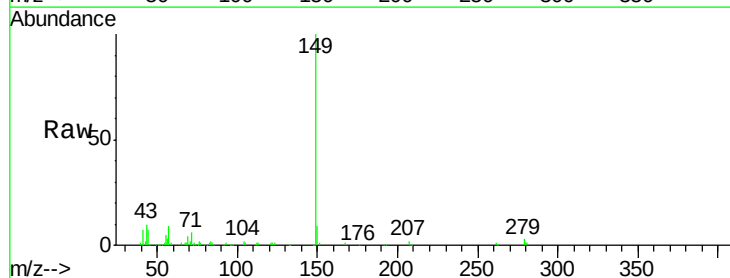
Tgt Ion:149 Resp: 202886

Ion Ratio Lower Upper

149 100

167 1.3 1.3 1.9#

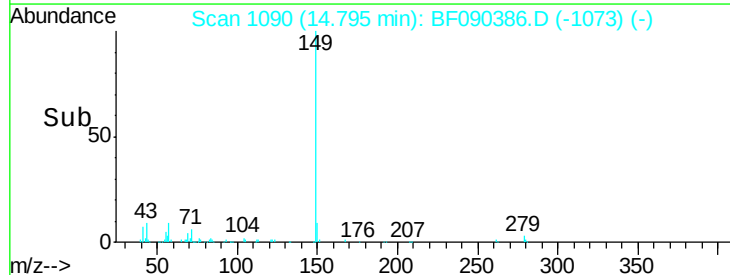
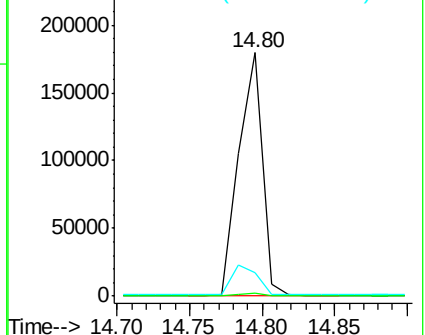
43 14.5 11.8 17.8

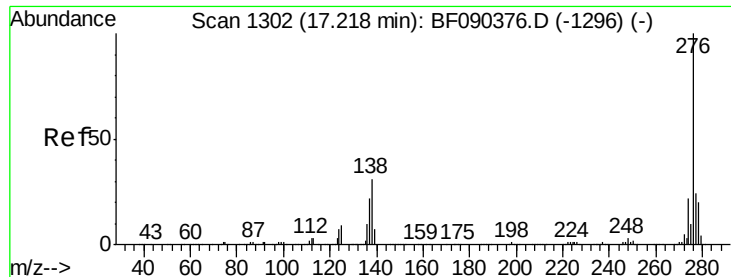


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

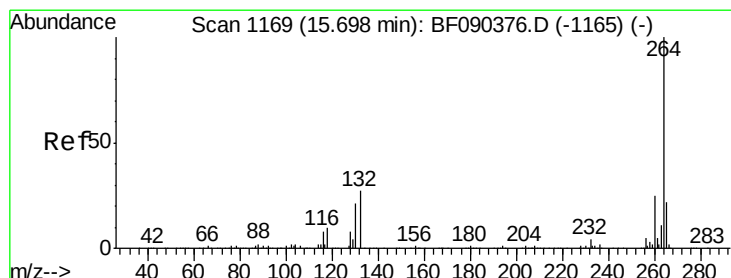
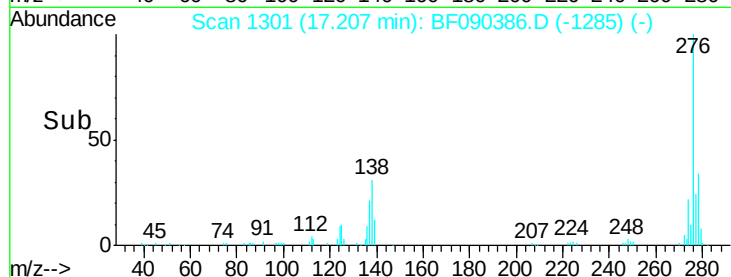
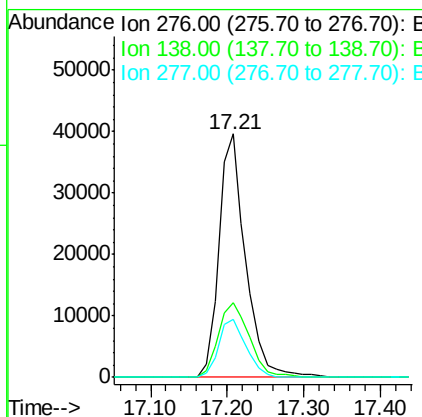
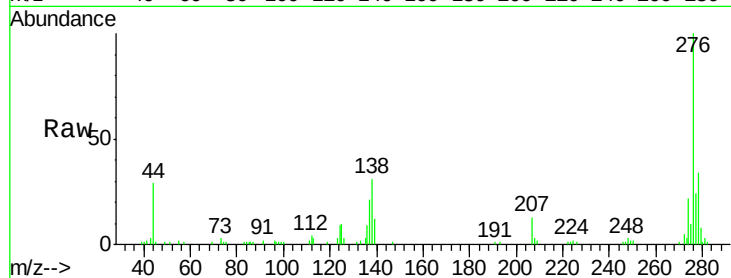




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.17 ng
 RT: 17.21 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

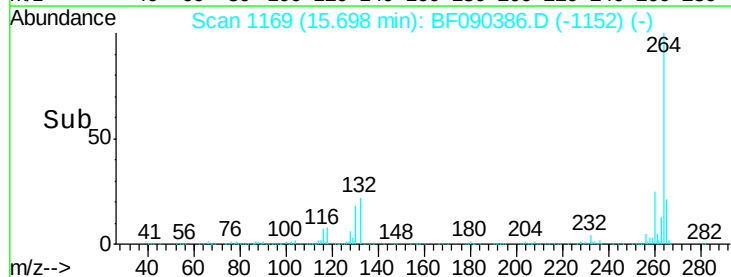
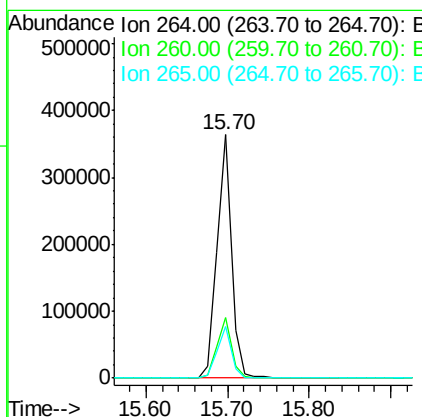
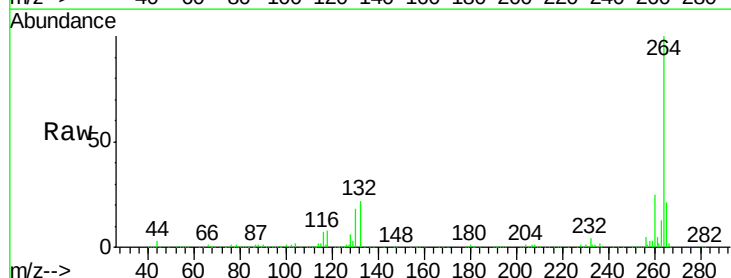
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

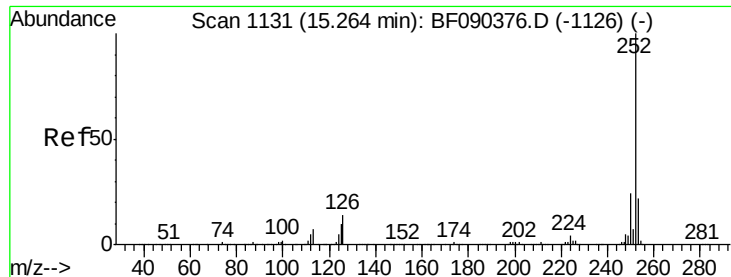
Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.9	23.8	35.8#
277	24.8	20.4	30.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.70 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF090386.D
 Acq: 5 Oct 2016 18:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.3	28.9
265	21.5	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 4.35 ng

RT: 15.25 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

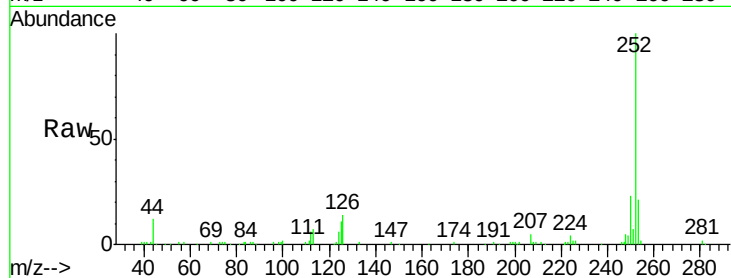
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

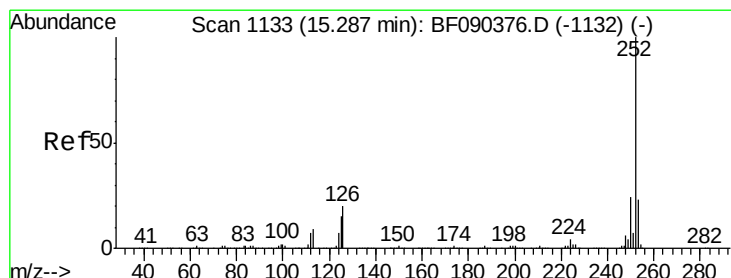
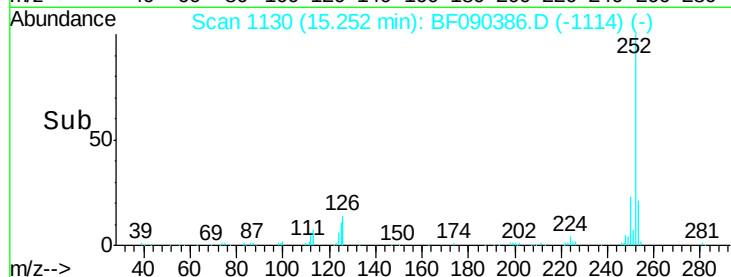
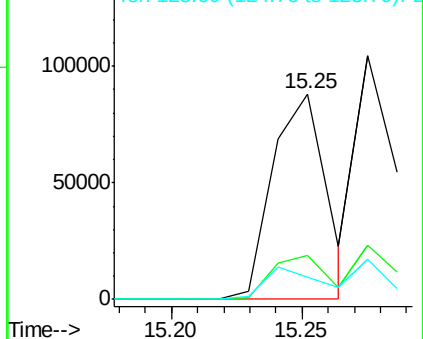
Tgt Ion:	252	Resp:	125361
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.2	27.2
125	10.5	7.0	10.4#



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: 4.63 ng

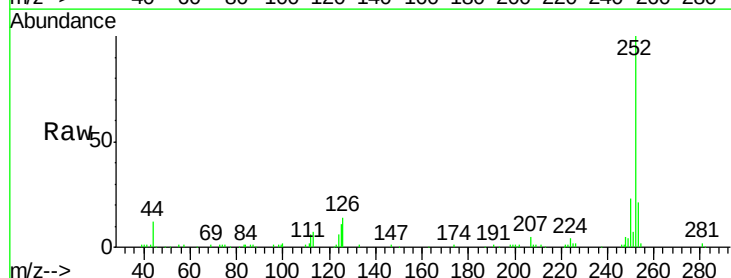
RT: 15.25 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF090386.D

Acq: 5 Oct 2016 18:18

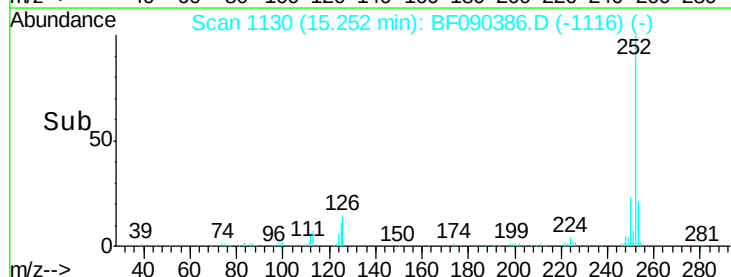
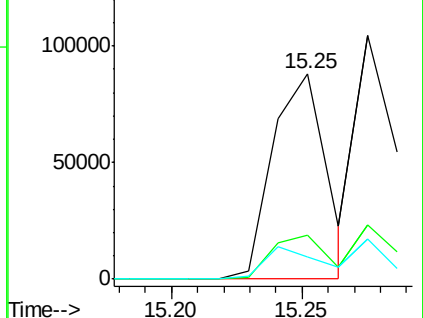
Tgt Ion:	252	Resp:	125361
Ion Ratio	Lower	Upper	
252	100		
253	21.1	18.6	27.8
125	10.5	11.7	17.5#

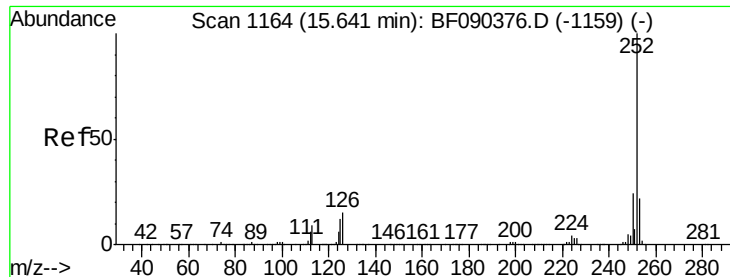


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

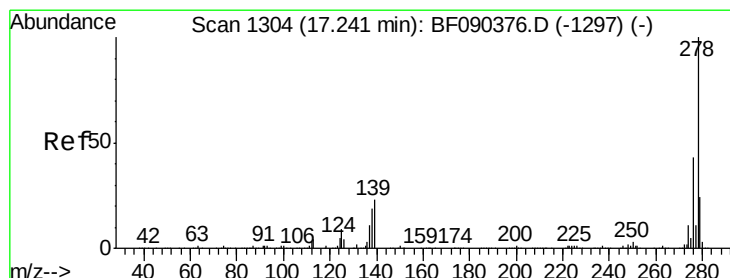
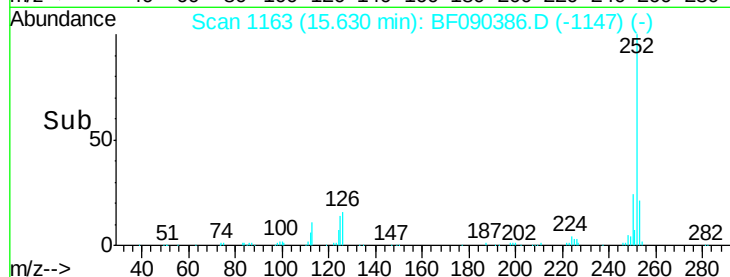
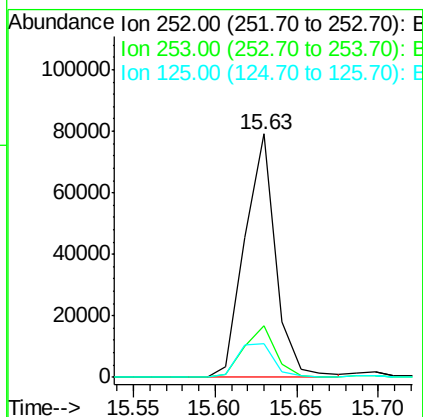
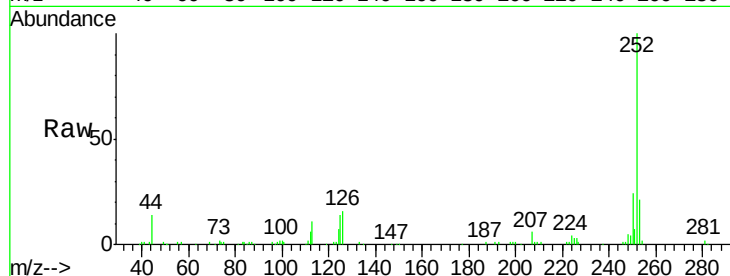




#89
Benzo(a)pyrene
Concen: 4.17 ng
RT: 15.63 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

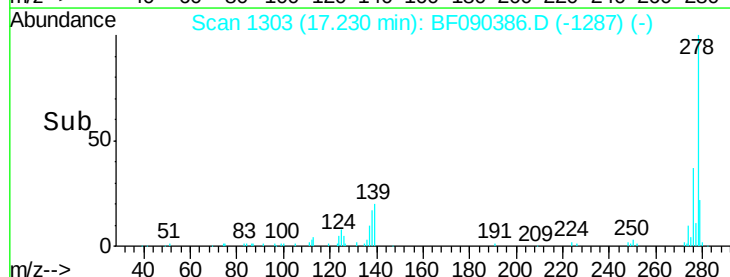
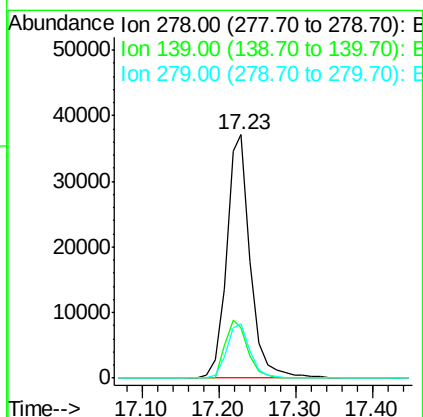
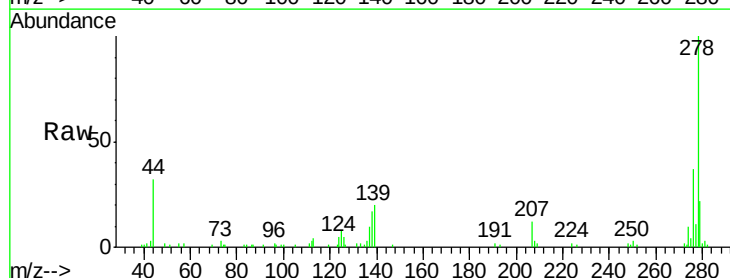
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

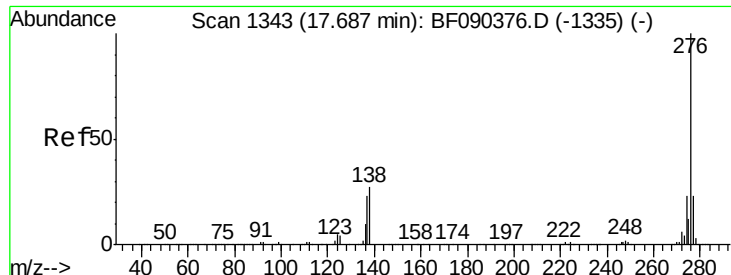
Tgt Ion: 252 Resp: 103540
Ion Ratio Lower Upper
252 100
253 21.0 18.2 27.4
125 14.0 9.8 14.8



#90
Dibenzo(a,h)anthracene
Concen: 3.82 ng
RT: 17.23 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF090386.D
Acq: 5 Oct 2016 18:18

Tgt Ion: 278 Resp: 80701
Ion Ratio Lower Upper
278 100
139 20.4 12.8 19.2#
279 22.5 19.6 29.4





#91

Benzo(g,h,i)perylene

Concen: 3.76 ng

RT: 17.66 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF090386.D

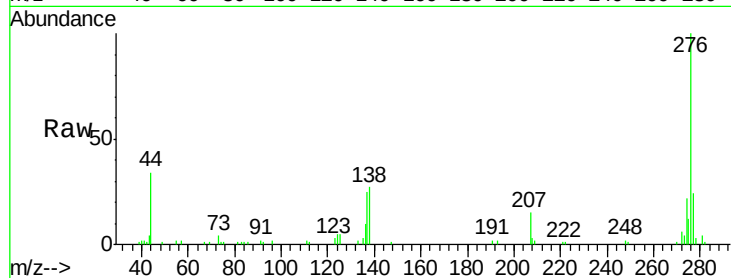
Acq: 5 Oct 2016 18:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4



Tgt Ion:	276	Resp:	76178
Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	26.9	20.8	31.2

