

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
 Data File : BF090387.D
 Acq On : 5 Oct 2016 18:45
 Operator : UM/SJ
 Sample : H4818-01
 Misc : LOD 8PPM
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Oct 06 01:08:21 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	251339	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1058191	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	539158	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	826142	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	669311	20.00	ng	-0.01
86) Perylene-d12	15.70	264	496063	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.62	112	1883358	111.83	ng	0.01
7) Phenol-d6	6.62	99	2290203	103.83	ng	0.00
23) Nitrobenzene-d5	7.56	82	1625995	74.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	531455	121.22	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2647634	81.82	ng	-0.01
78) Terphenyl-d14	13.14	244	2556597	85.87	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.83	88	54152	6.52	ng	96
3) Pyridine	3.61	79	130257	5.63	ng	90
4) n-Nitrosodimethylamine	3.51	42	57763	6.05	ng	# 68
6) Aniline	6.66	93	197556	6.48	ng	98
8) 2-Chlorophenol	6.78	128	130277	7.03	ng	89
9) Benzaldehyde	6.54	77	75605	6.78	ng	89
10) Phenol	6.63	94	201071	7.84	ng	93
11) bis(2-Chloroethyl)ether	6.74	93	112460	5.73	ng	94
12) 1,3-Dichlorobenzene	6.94	146	125399	6.79	ng	96
13) 1,4-Dichlorobenzene	7.02	146	120184	6.41	ng	94
14) 1,2-Dichlorobenzene	7.17	146	127312	7.04	ng	97
15) Benzyl Alcohol	7.14	79	137142	8.18	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.27	45	229131	6.88	ng	97
17) 2-Methylphenol	7.24	107	96178	6.31	ng	97
18) Hexachloroethane	7.51	117	46061	6.23	ng	# 89
19) n-Nitroso-di-n-propylamine	7.40	70	108852	6.73	ng	# 88
20) 3+4-Methylphenols	7.40	107	138489	7.02	ng	# 64
22) Acetophenone	7.40	105	171119	6.83	ng	# 92
24) Nitrobenzene	7.58	77	154929	7.17	ng	91
25) Isophorone	7.81	82	265240	6.67	ng	# 93
26) 2-Nitrophenol	7.90	139	55802	6.00	ng	94
27) 2,4-Dimethylphenol	7.94	122	123598	6.84	ng	98
28) bis(2-Chloroethoxy)methane	8.03	93	162478	6.91	ng	# 94
29) 2,4-Dichlorophenol	8.14	162	87484	6.37	ng	98
30) 1,2,4-Trichlorobenzene	8.23	180	90205	6.37	ng	95
31) Naphthalene	8.31	128	360926	7.07	ng	95
32) Benzoic acid	7.99	122	62282	4.96	ng	88
33) 4-Chloroaniline	8.36	127	130526	6.19	ng	# 88
34) Hexachlorobutadiene	8.43	225	44751	5.65	ng	98
35) Caprolactam	8.68	113	28143	6.09	ng	# 78
36) 4-Chloro-3-methylphenol	8.83	107	117700	6.84	ng	99
37) 2-Methylnaphthalene	9.00	142	204132	6.61	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	88240	6.21	ng	# 97
40) Hexachlorocyclopentadiene	9.16	237	41884	5.38	ng	98

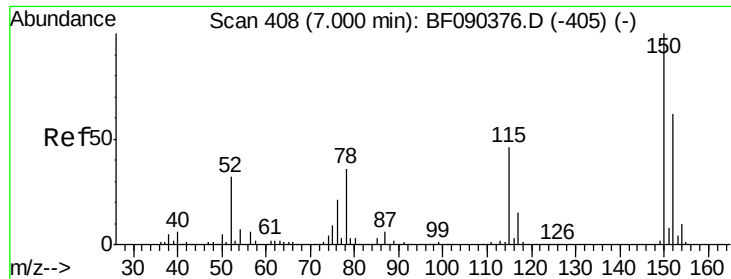
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
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 QLast Update : Wed Oct 05 14:57:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.27	196	56657	5.78	ng	96
43) 2,4,5-Trichlorophenol	9.32	196	57096	6.16	ng #	91
45) 1,1'-Biphenyl	9.47	154	290360	7.27	ng	95
46) 2-Chloronaphthalene	9.49	162	197536	6.69	ng	97
47) 2-Nitroaniline	9.58	65	82596	7.09	ng	96
48) Acenaphthylene	9.91	152	330744	6.79	ng	96
49) Dimethylphthalate	9.77	163	231326	6.70	ng	96
50) 2,6-Dinitrotoluene	9.82	165	51186	6.68	ng	94
51) Acenaphthene	10.09	154	207162	6.82	ng	98
52) 3-Nitroaniline	9.99	138	55167	6.16	ng	88
53) 2,4-Dinitrophenol	10.10	184	12876	3.77	ng #	72
54) Dibenzofuran	10.26	168	266194	6.77	ng	98
55) 4-Nitrophenol	10.14	139	46449	5.93	ng #	82
56) 2,4-Dinitrotoluene	10.22	165	62905	6.17	ng #	23
57) Fluorene	10.60	166	231818	7.02	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.37	232	42655	6.16	ng #	81
59) Diethylphthalate	10.46	149	228598	6.40	ng #	87
60) 4-Chlorophenyl-phenylether	10.59	204	92761	6.18	ng #	82
61) 4-Nitroaniline	10.60	138	63430	7.03	ng	94
62) Azobenzene	10.75	77	273784	6.63	ng	86
64) 4,6-Dinitro-2-methylphenol	10.63	198	23462	9.17	ng #	74
65) n-Nitrosodiphenylamine	10.70	169	178925	6.46	ng	96
66) 4-Bromophenyl-phenylether	11.08	248	48250	5.96	ng #	71
67) Hexachlorobenzene	11.15	284	57818	6.41	ng #	76
68) Atrazine	11.23	200	45630	6.68	ng	98
69) Pentachlorophenol	11.34	266	31963	5.95	ng	99
70) Phenanthrene	11.56	178	289732	6.85	ng	96
71) Anthracene	11.62	178	329405	7.63	ng	96
72) Carbazole	11.77	167	301538	7.51	ng	96
73) Di-n-butylphthalate	12.11	149	352914	7.23	ng #	94
74) Fluoranthene	12.76	202	292677	7.05	ng	90
76) Benzidine	12.87	184	134031	7.62	ng	98
77) Pyrene	12.99	202	315792	7.08	ng	96
79) Butylbenzylphthalate	13.61	149	153626	6.71	ng #	73
80) Benzo(a)anthracene	14.18	228	261941	6.98	ng	97
81) 3,3'-Dichlorobenzidine	14.14	252	80684	5.93	ng #	95
82) Chrysene	14.21	228	236466	6.84	ng	97
83) Bis(2-ethylhexyl)phthalate	14.18	149	222875	6.85	ng	99
84) Di-n-octyl phthalate	14.80	149	344269	7.13	ng	97
85) Indeno(1,2,3-cd)pyrene	17.21	276	158065	6.41	ng #	93
87) Benzo(b)fluoranthene	15.25	252	205499	6.50	ng	96
88) Benzo(k)fluoranthene	15.25	252	205499	6.92	ng #	93
89) Benzo(a)pyrene	15.63	252	172667	6.34	ng	98
90) Dibenzo(a,h)anthracene	17.23	278	129490	5.59	ng #	96
91) Benzo(g,h,i)perylene	17.66	276	123223	5.54	ng	100

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

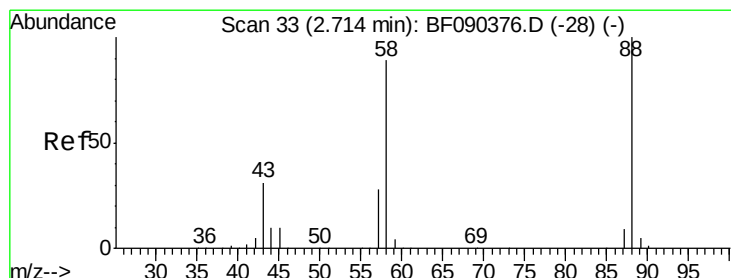
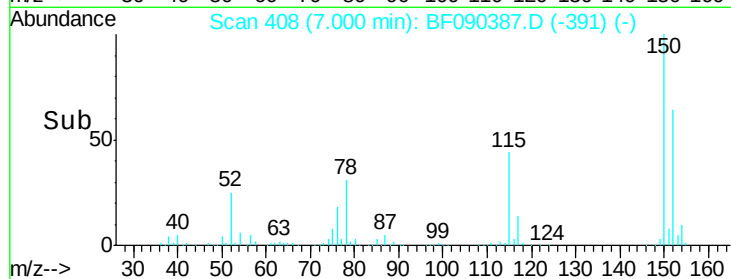
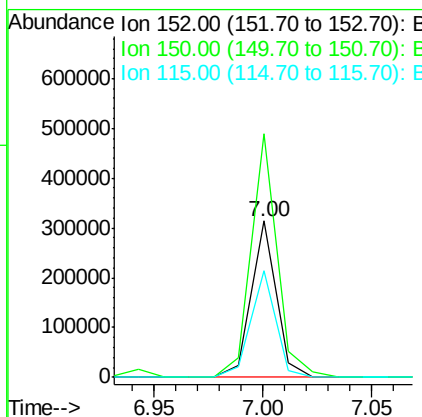
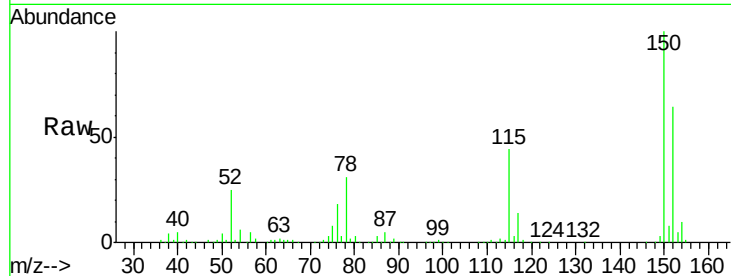


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 408
Delta R.T. -0.00 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

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

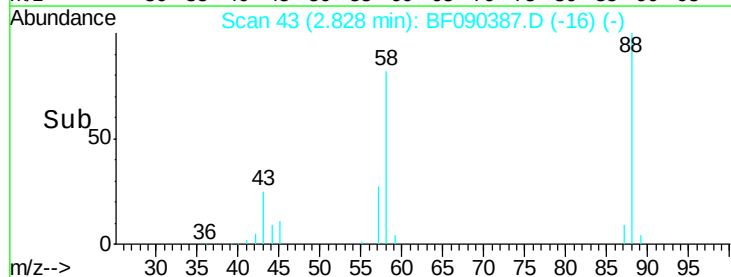
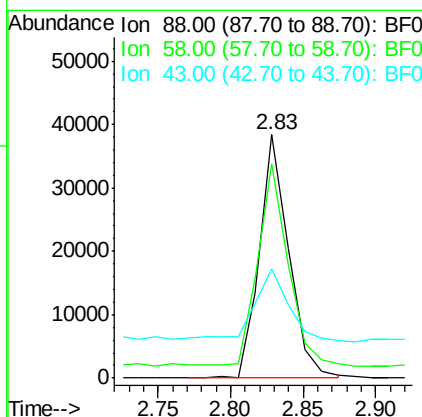
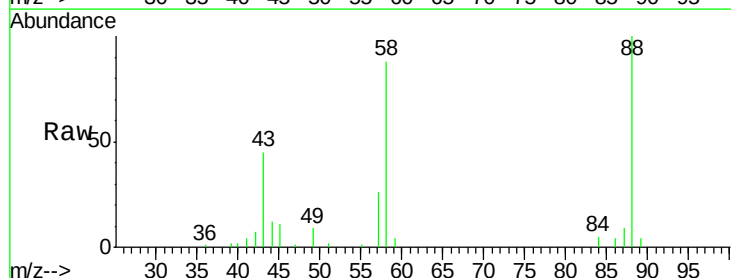
Tgt Ion:152 Resp: 251339
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 68.0 46.2 69.4

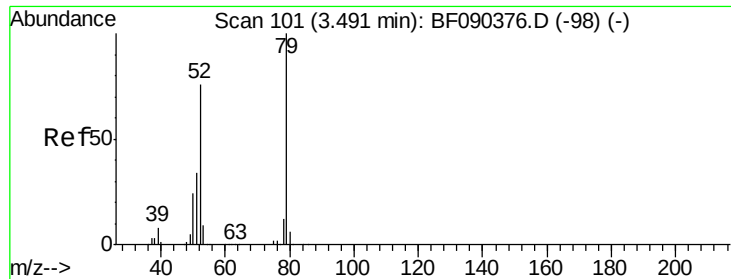


#2

1,4-Dioxane
Concen: 6.52 ng
RT: 2.83 min Scan# 43
Delta R.T. 0.11 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion: 88 Resp: 54152
Ion Ratio Lower Upper
88 100
58 86.2 71.2 106.8
43 33.5 29.8 44.6





#3

Pyridine

Concen: 5.63 ng

RT: 3.61 min Scan# 111

Delta R.T. 0.11 min

Lab File: BF090387.D

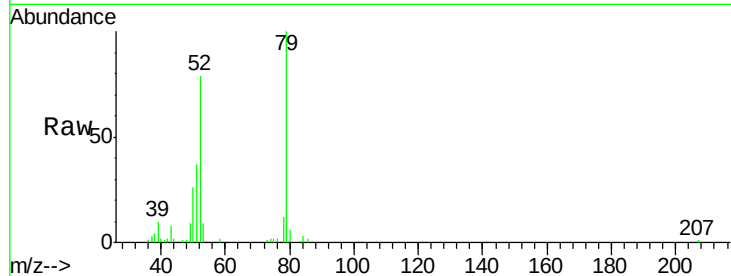
Acq: 5 Oct 2016 18:45

Instrument :

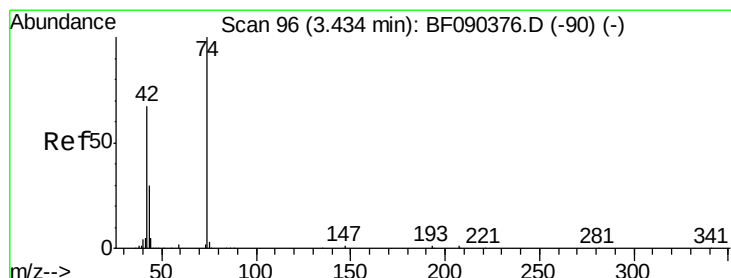
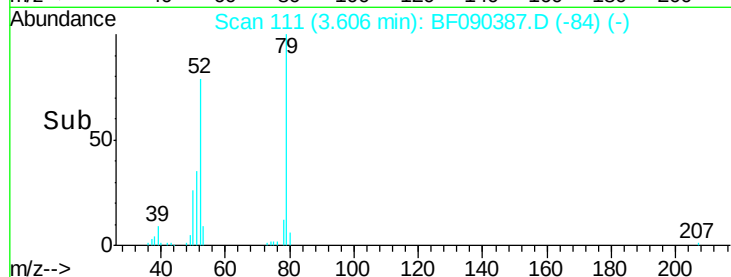
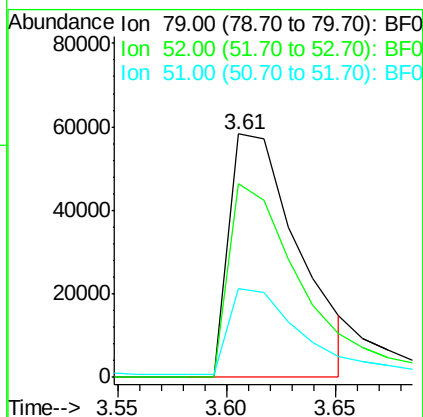
BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4



Tgt Ion:	79	Resp:	130257
Ion	Ratio	Lower	Upper
79	100		
52	79.4	71.3	106.9
51	36.5	34.5	51.7



#4

n-Nitrosodimethylamine

Concen: 6.05 ng

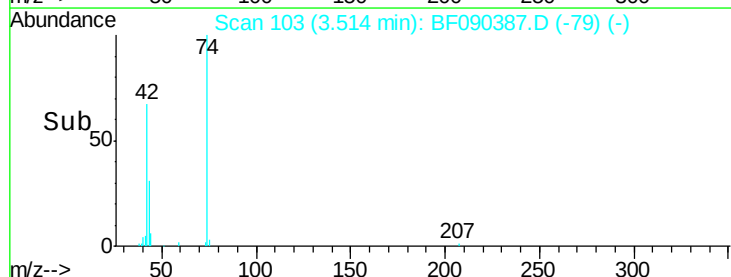
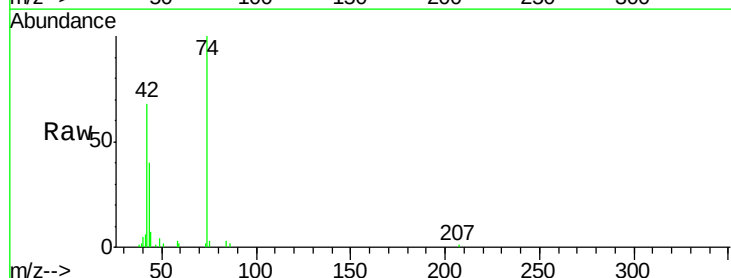
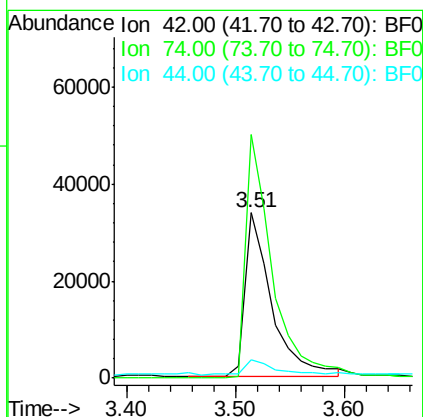
RT: 3.51 min Scan# 103

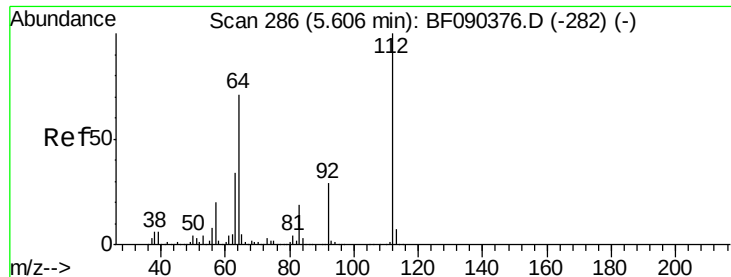
Delta R.T. 0.08 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Tgt Ion:	42	Resp:	57763
Ion	Ratio	Lower	Upper
42	100		
74	147.5	88.9	133.3#
44	10.7	6.5	9.7#





#5

2-Fluorophenol

Concen: 111.83 ng

RT: 5.62 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

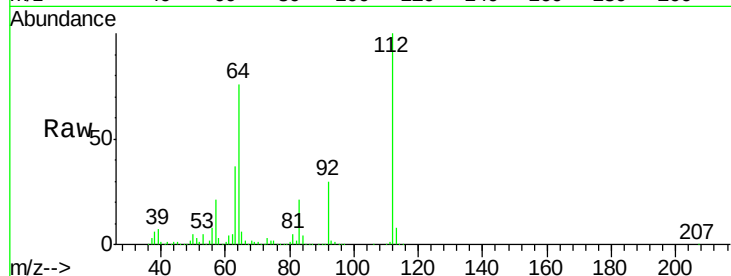
Tgt Ion:112 Resp: 1883358

Ion Ratio Lower Upper

112 100

64 75.9 57.9 86.9

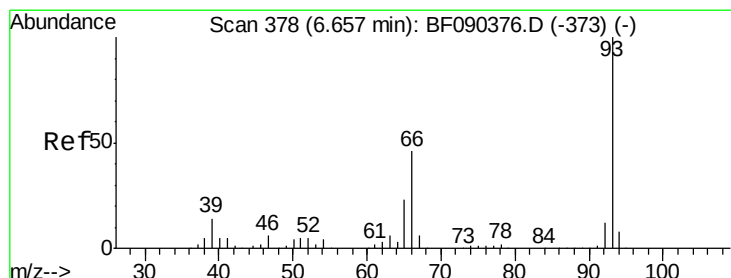
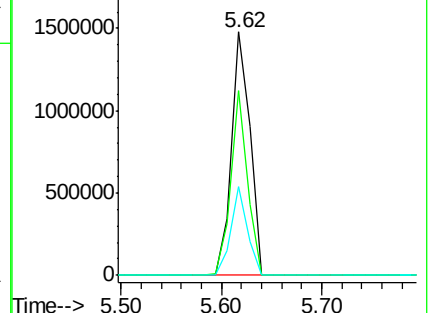
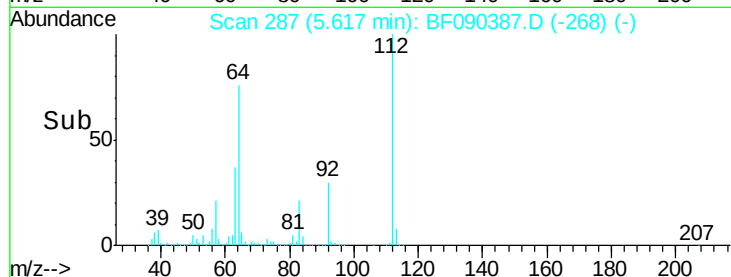
63 36.5 29.6 44.4



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: 6.48 ng

RT: 6.66 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

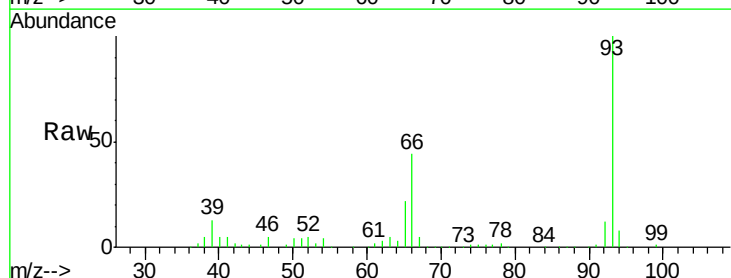
Tgt Ion: 93 Resp: 197556

Ion Ratio Lower Upper

93 100

66 44.1 34.5 51.7

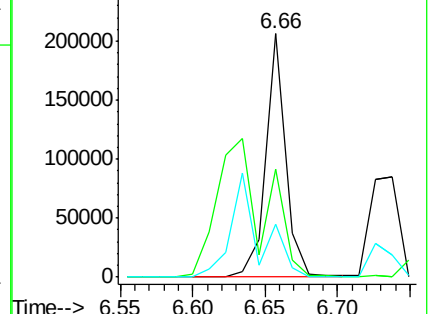
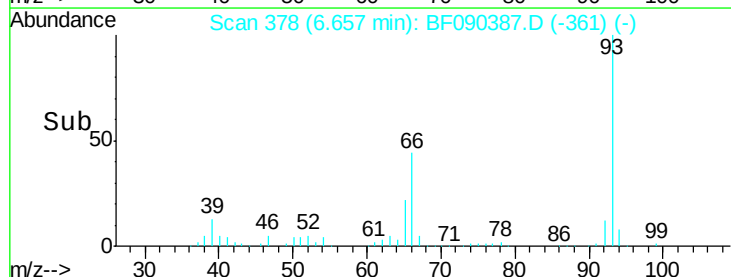
65 21.8 18.2 27.2

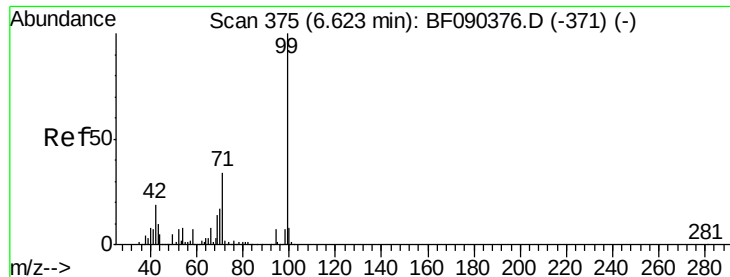


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 103.83 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

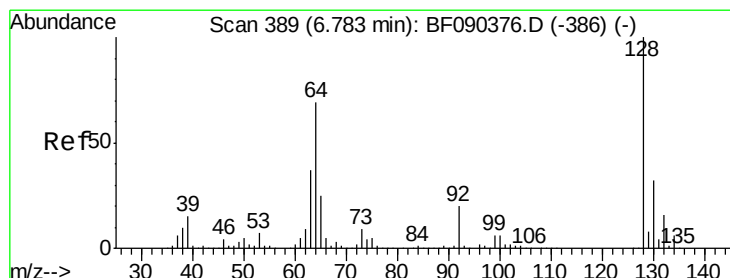
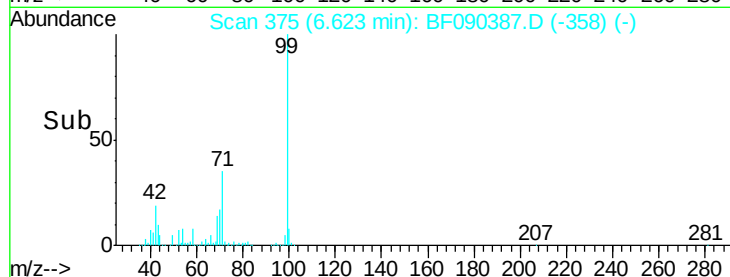
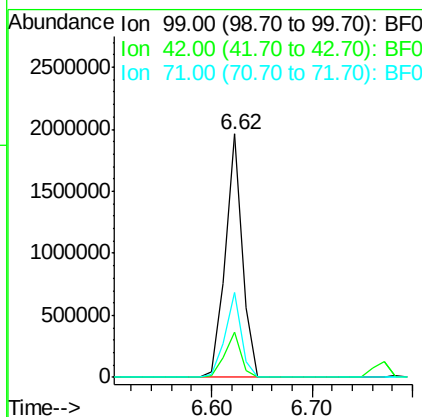
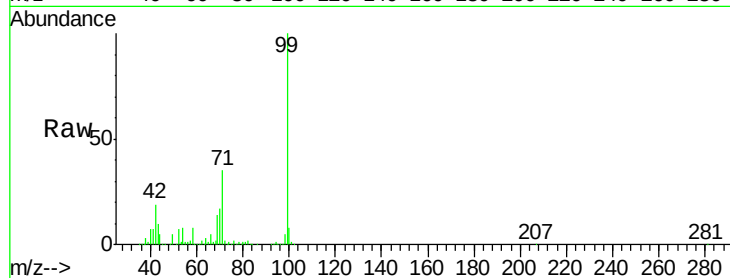
BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion: 99 Resp: 2290203

Ion	Ratio	Lower	Upper
99	100		
42	18.6	20.0	30.0#
71	34.9	27.9	41.9



#8

2-Chlorophenol

Concen: 7.03 ng

RT: 6.78 min Scan# 389

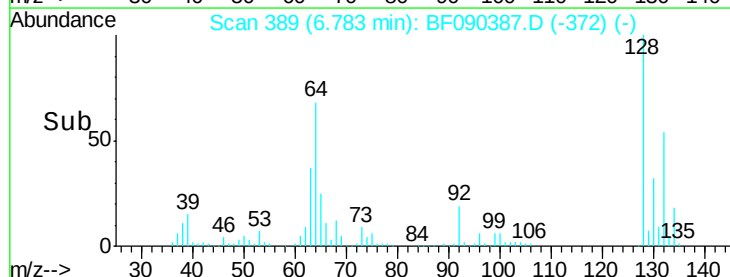
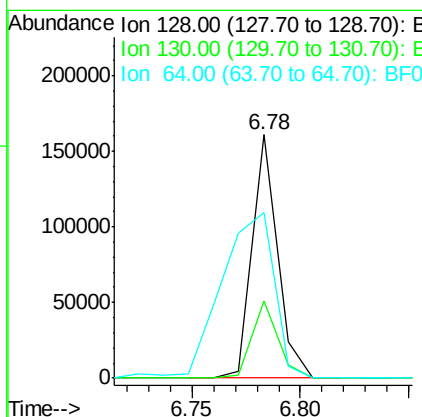
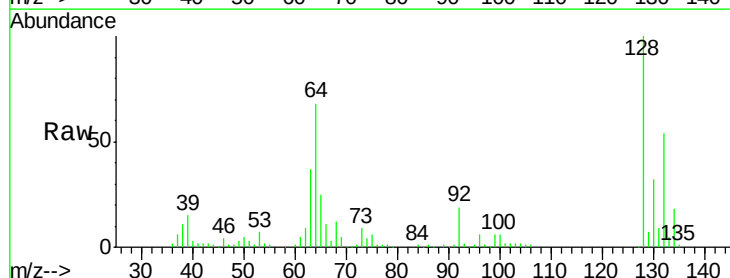
Delta R.T. -0.00 min

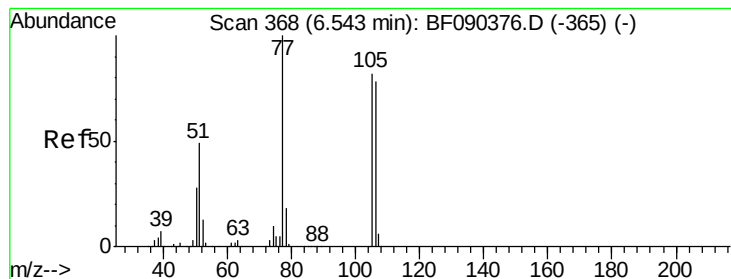
Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Tgt Ion: 128 Resp: 130277

Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.3	53.3
64	68.1	36.0	76.0





#9

Benzaldehyde

Concen: 6.78 ng

RT: 6.54 min Scan# 368

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

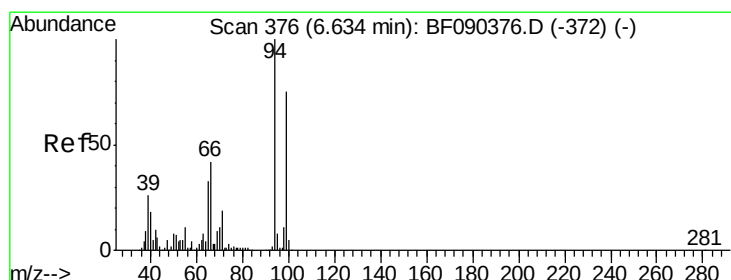
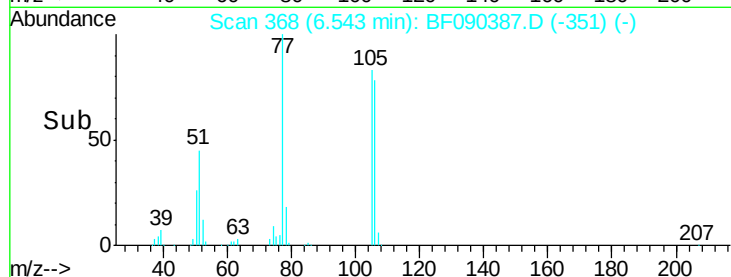
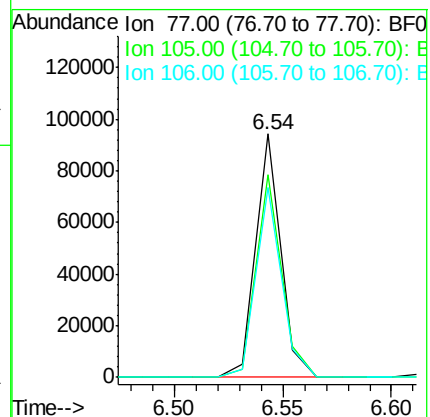
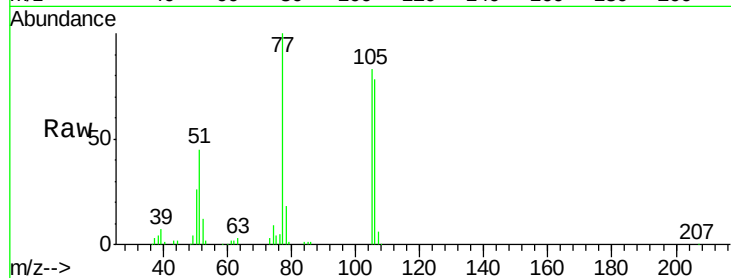
Tgt Ion: 77 Resp: 75605

Ion Ratio Lower Upper

77 100

105 83.3 73.1 113.1

106 78.1 70.2 110.2



#10

Phenol

Concen: 7.84 ng

RT: 6.63 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

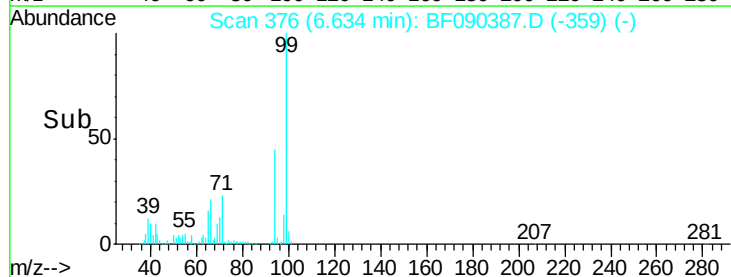
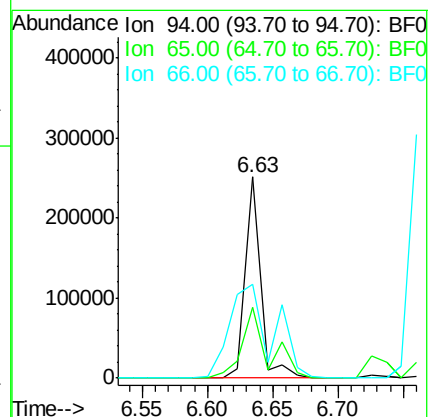
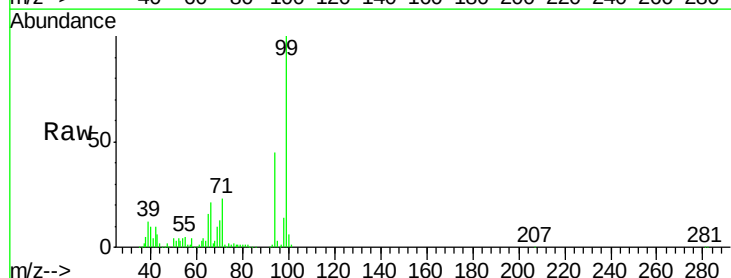
Tgt Ion: 94 Resp: 201071

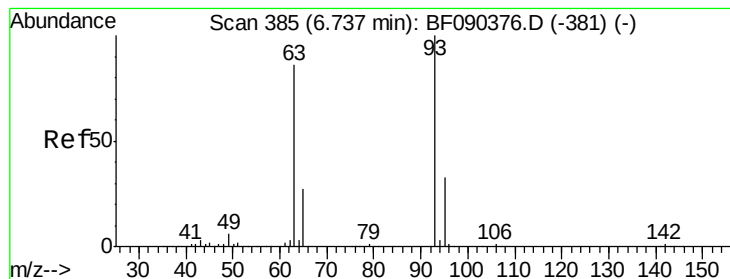
Ion Ratio Lower Upper

94 100

65 35.2 13.3 53.3

66 46.6 20.4 60.4





#11

bis(2-Chloroethyl)ether

Concen: 5.73 ng

RT: 6.74 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

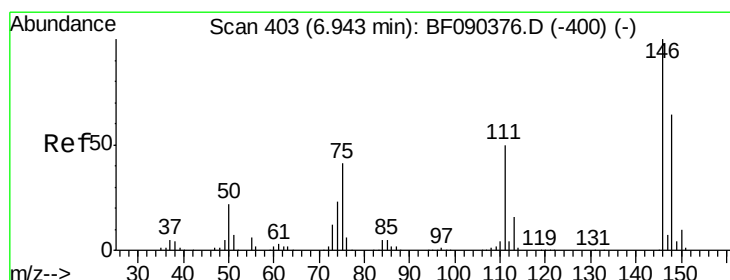
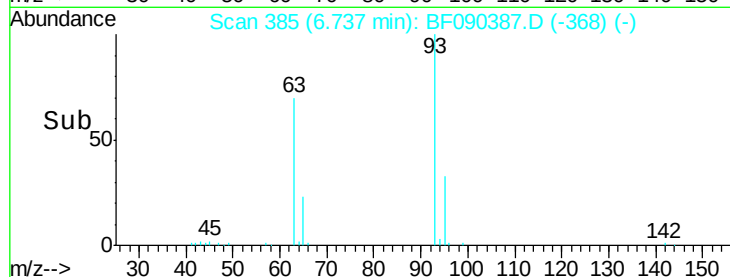
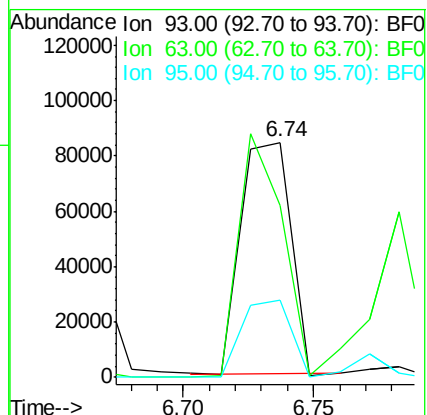
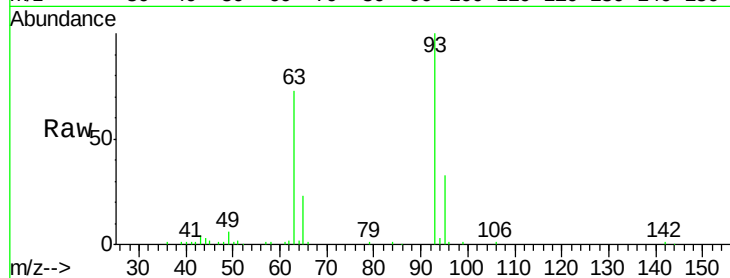
Tgt Ion: 93 Resp: 112460

Ion Ratio Lower Upper

93 100

63 73.1 59.7 99.7

95 32.9 14.0 54.0



#12

1,3-Dichlorobenzene

Concen: 6.79 ng

RT: 6.94 min Scan# 403

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

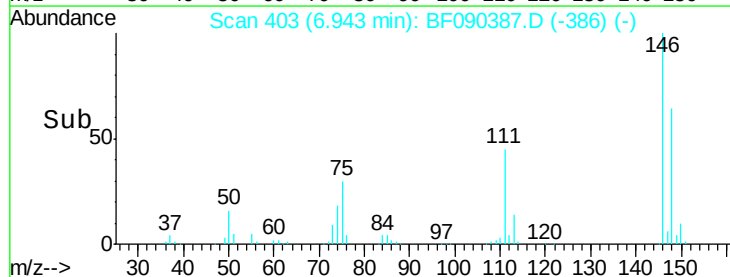
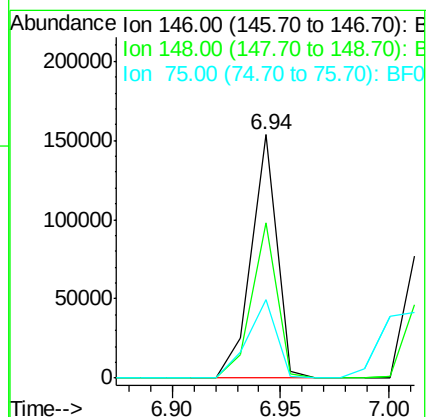
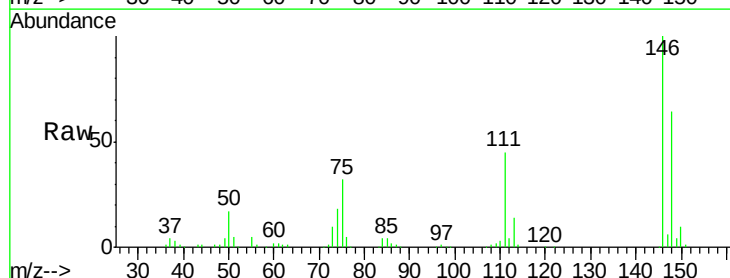
Tgt Ion: 146 Resp: 125399

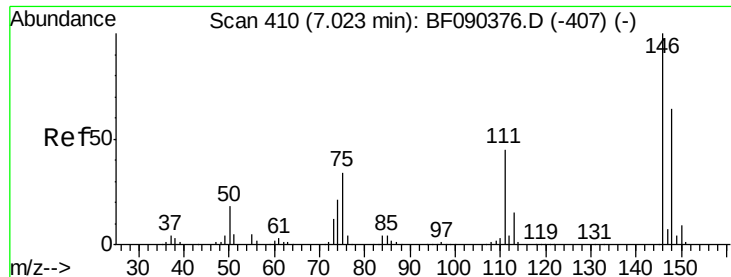
Ion Ratio Lower Upper

146 100

148 63.7 52.2 78.4

75 32.1 21.4 32.2

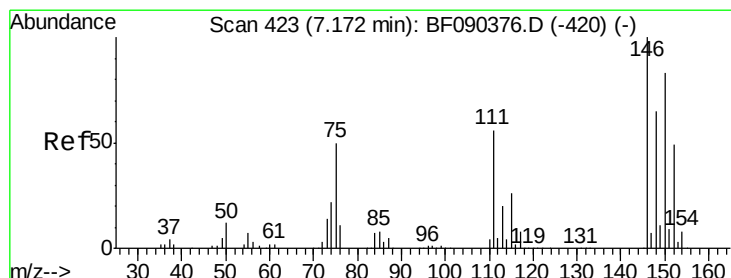
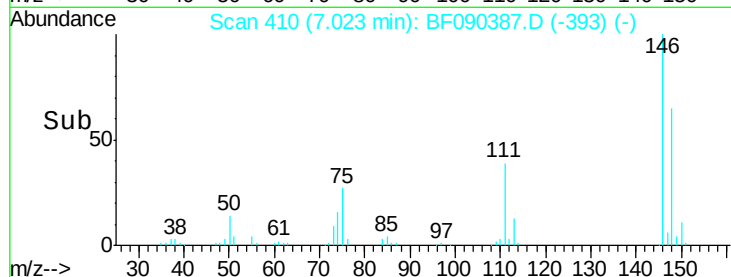
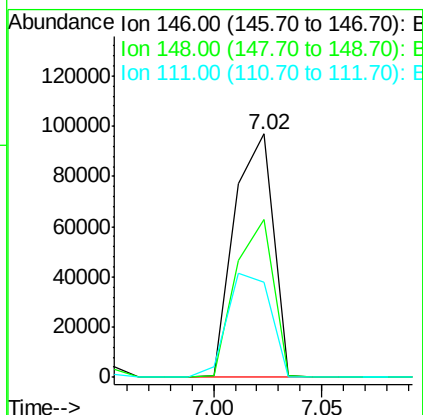
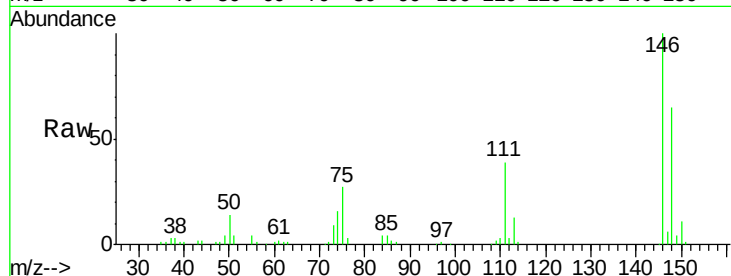




#13
 1,4-Dichlorobenzene
 Concen: 6.41 ng
 RT: 7.02 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

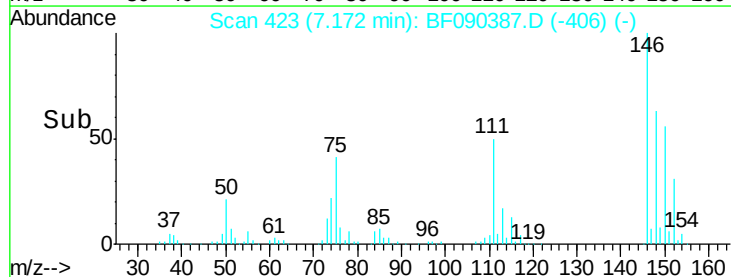
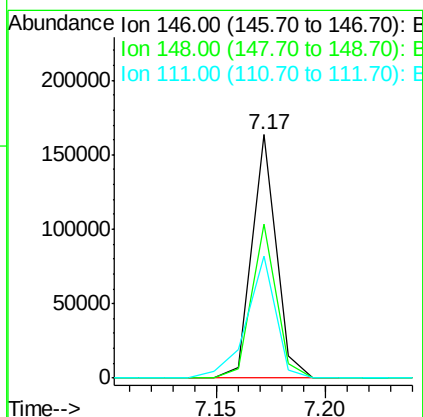
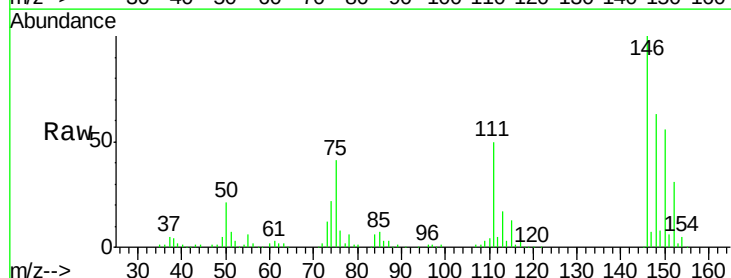
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

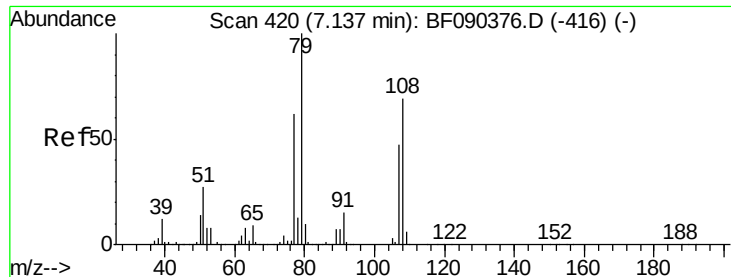
Tgt Ion:146 Resp: 120184
 Ion Ratio Lower Upper
 146 100
 148 64.8 51.1 76.7
 111 38.9 37.8 56.6



#14
 1,2-Dichlorobenzene
 Concen: 7.04 ng
 RT: 7.17 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion:146 Resp: 127312
 Ion Ratio Lower Upper
 146 100
 148 63.4 52.3 78.5
 111 49.9 38.2 57.4

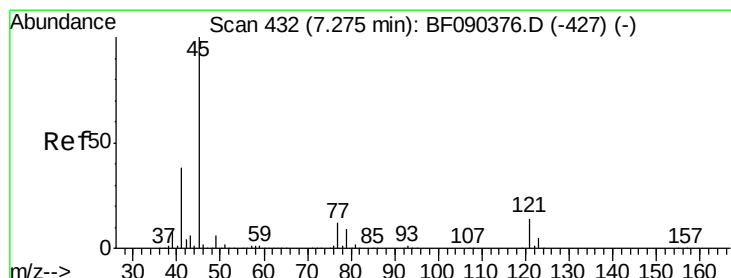
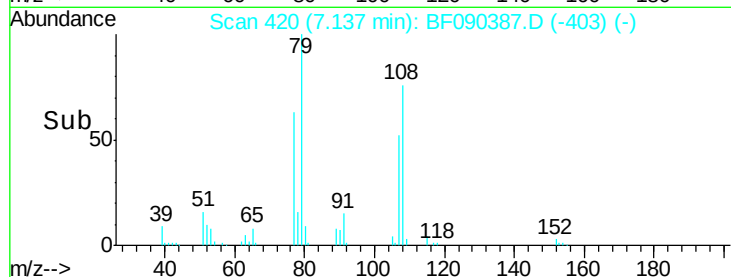
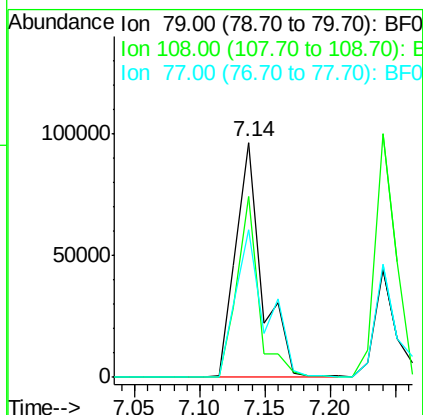
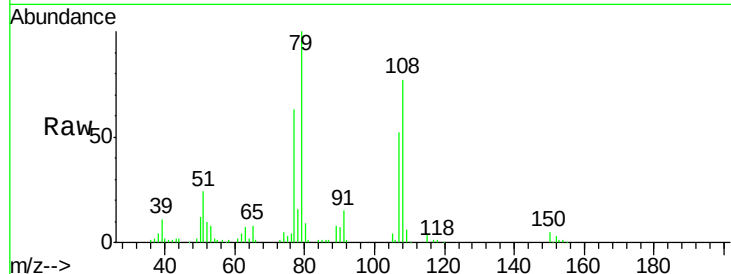




#15
Benzyl Alcohol
Concen: 8.18 ng
RT: 7.14 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

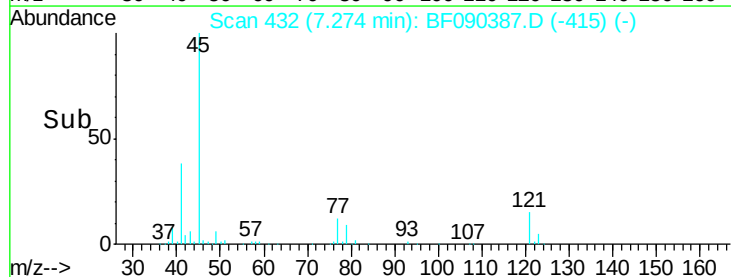
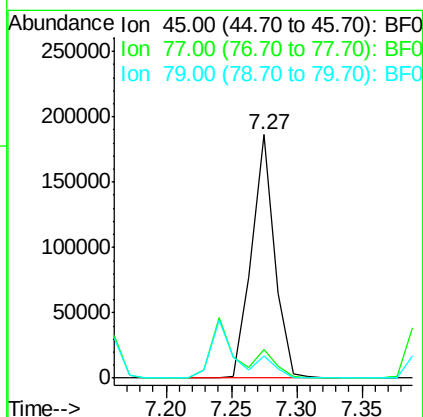
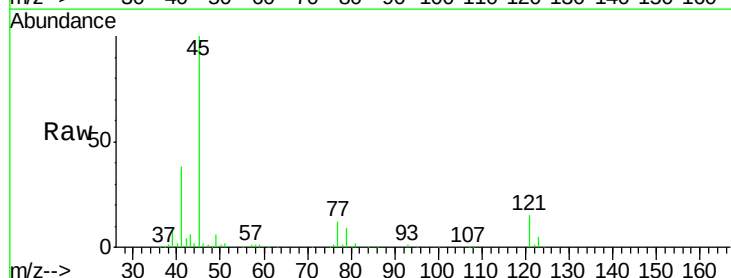
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

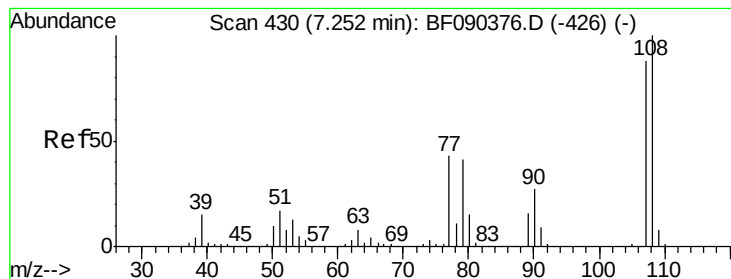
Tgt Ion: 79 Resp: 137142
Ion Ratio Lower Upper
79 100
108 76.9 60.9 91.3
77 63.0 51.5 77.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.88 ng
RT: 7.27 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion: 45 Resp: 229131
Ion Ratio Lower Upper
45 100
77 11.9 0.0 30.8
79 9.2 0.0 28.2





#17

2-Methylphenol

Concen: 6.31 ng

RT: 7.24 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:107 Resp: 96178

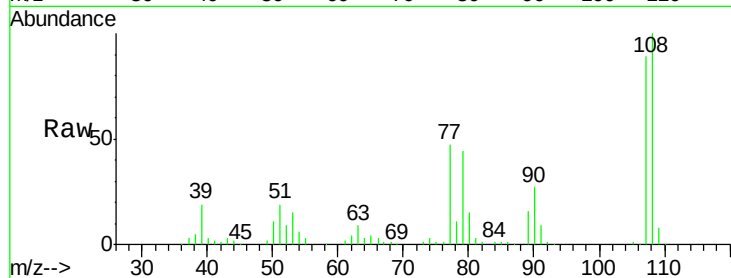
Ion Ratio Lower Upper

107 100

108 112.8 90.9 136.3

77 52.7 38.2 57.4

79 50.0 37.0 55.4

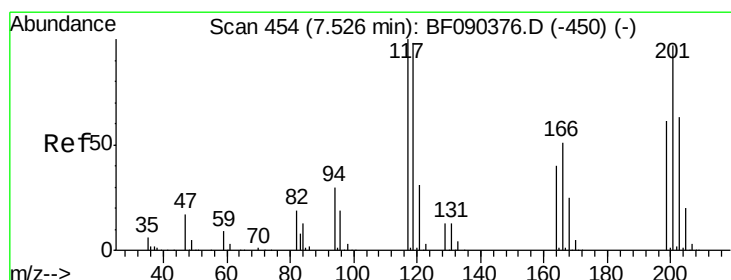
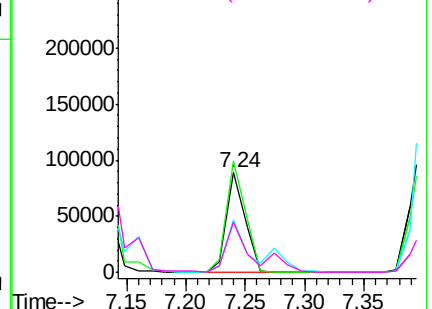
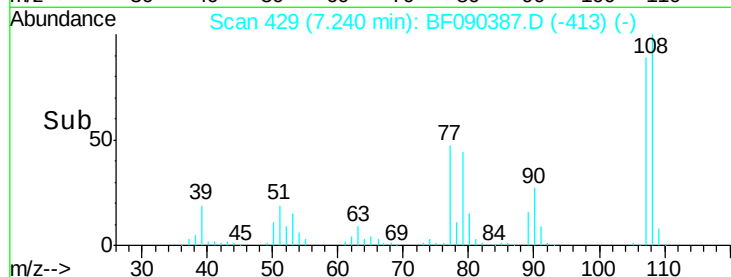


Abundance Ion 107.00 (106.70 to 107.70): E

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: 6.23 ng

RT: 7.51 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

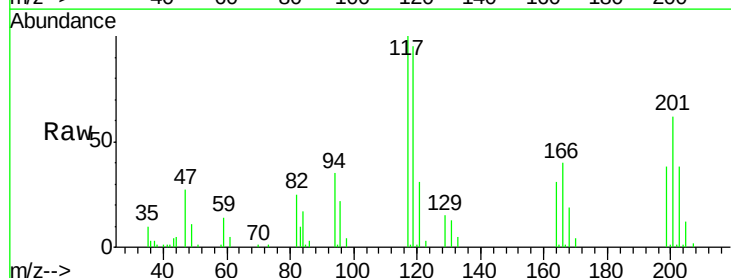
Tgt Ion:117 Resp: 46061

Ion Ratio Lower Upper

117 100

119 95.4 75.9 113.9

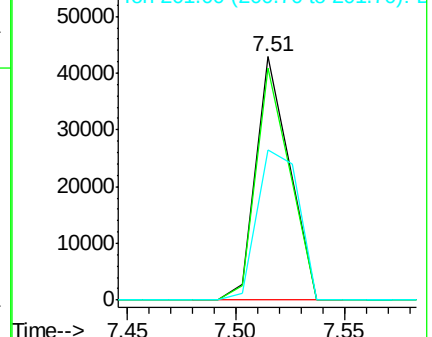
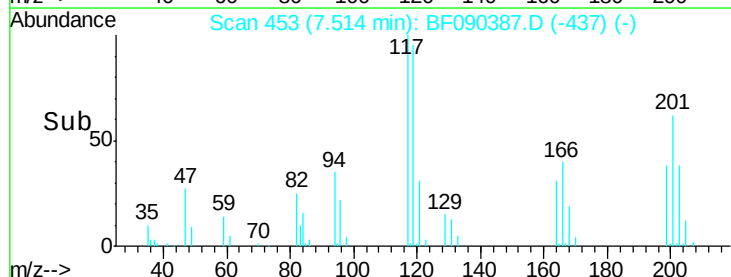
201 61.5 66.5 99.7#

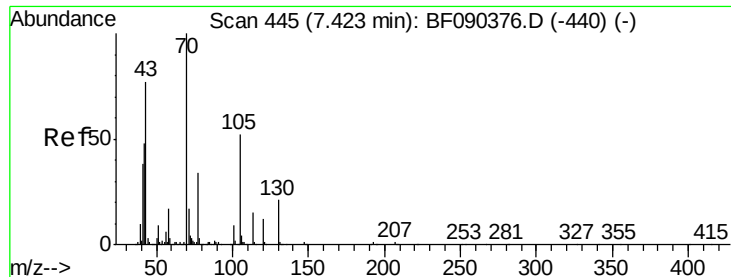


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

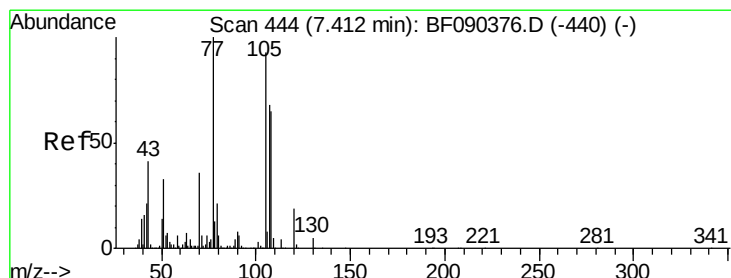
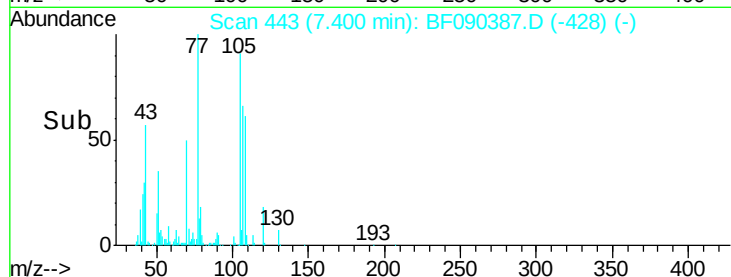
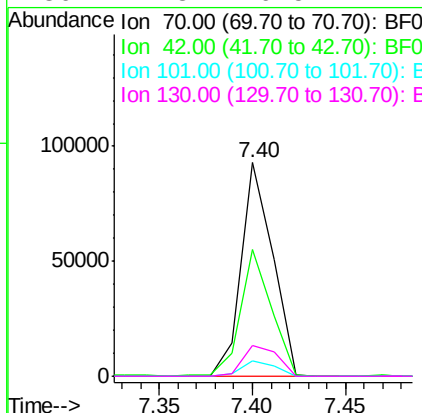
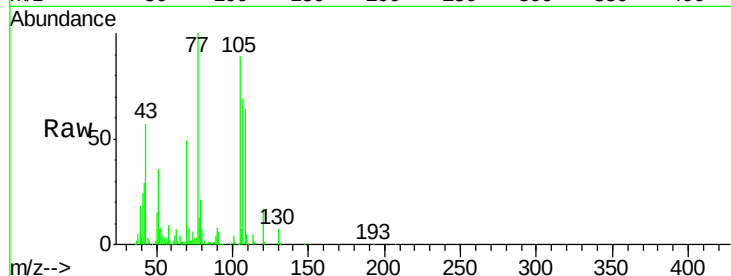




#19
n-Nitroso-di-n-propylamine
Concen: 6.73 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

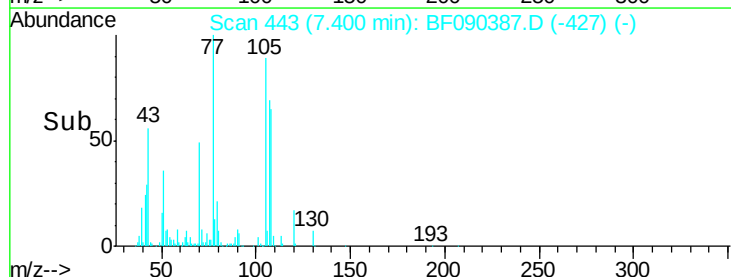
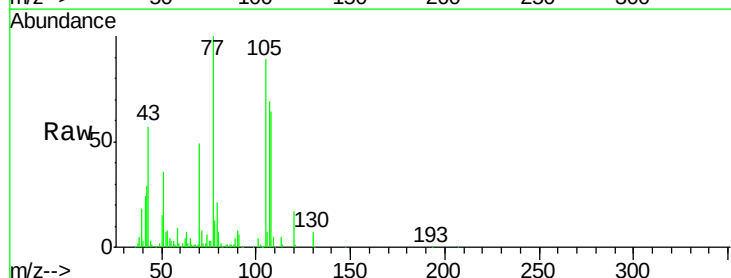
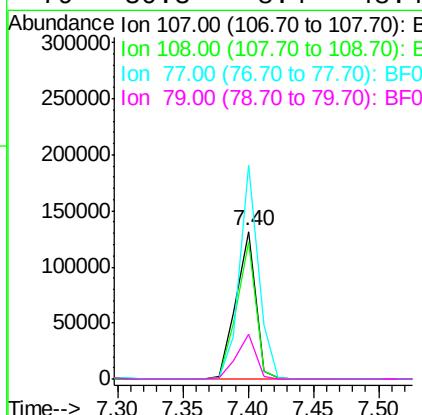
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

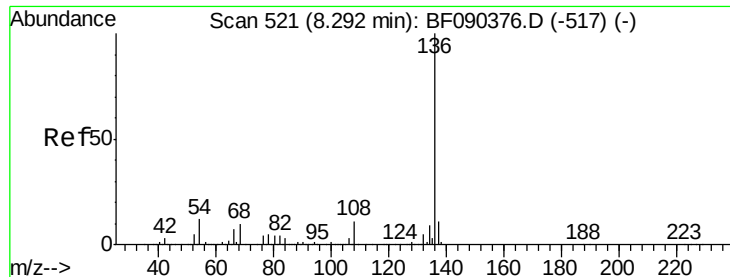
Tgt Ion: 70 Resp: 108852
Ion Ratio Lower Upper
70 100
42 59.6 55.4 83.2
101 7.3 7.6 11.4#
130 14.3 16.5 24.7#



#20
3+4-Methylphenols
Concen: 7.02 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion: 107 Resp: 138489
Ion Ratio Lower Upper
107 100
108 93.1 66.7 106.7
77 144.5 53.7 93.7#
79 30.3 8.4 48.4

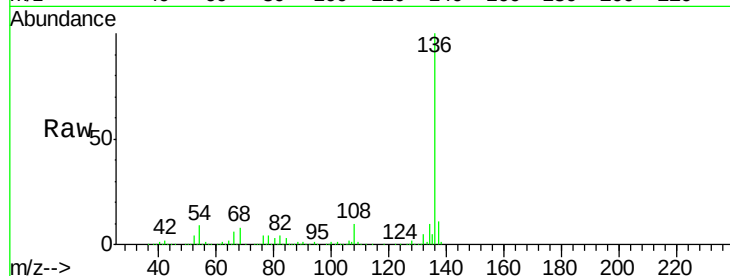




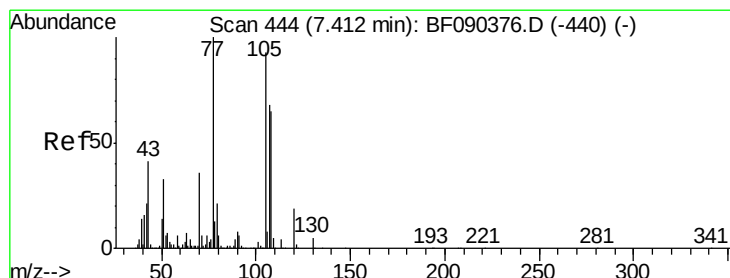
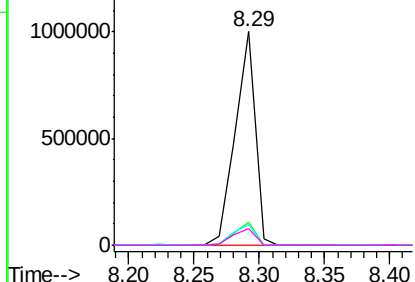
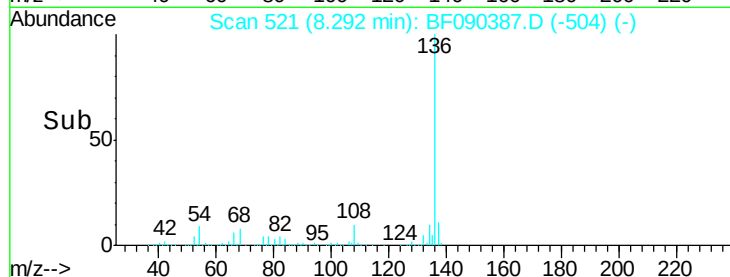
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.29 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

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

Tgt Ion:	136	Resp:	1058191
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	9.5	6.6	10.0
68	8.1	5.0	7.6#

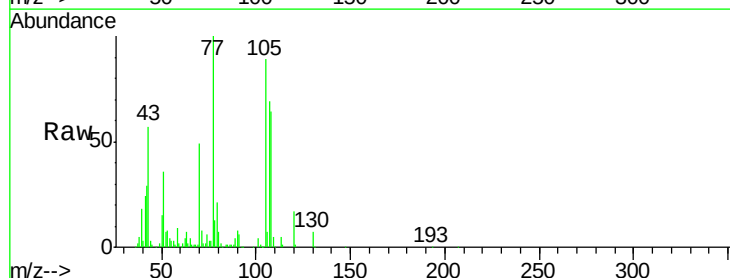


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

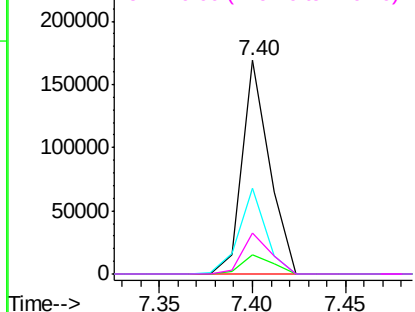
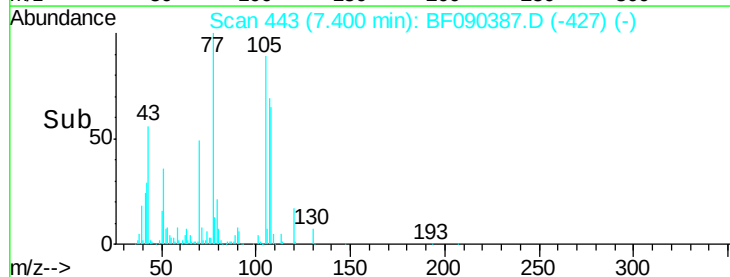


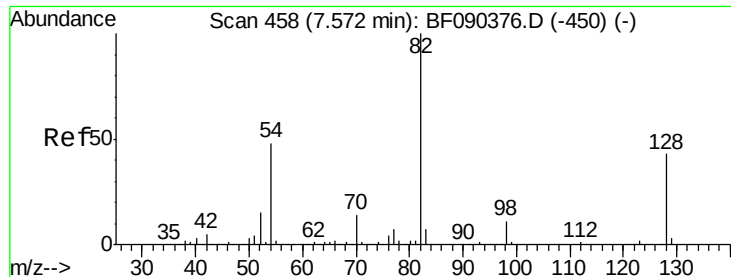
#22
Acetophenone
Concen: 6.83 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion:	105	Resp:	171119
Ion	Ratio	Lower	Upper
105	100		
71	9.0	3.8	5.6#
51	40.4	28.2	42.4
120	19.4	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

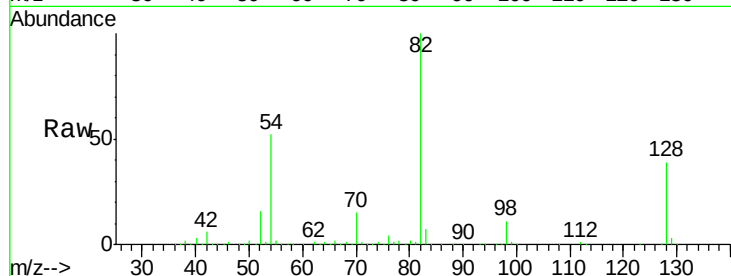




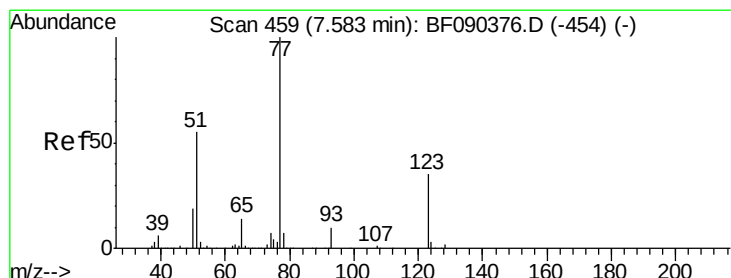
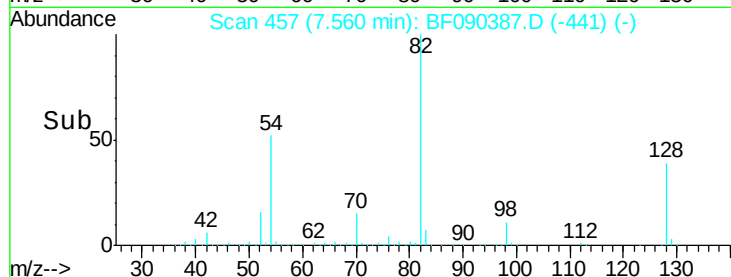
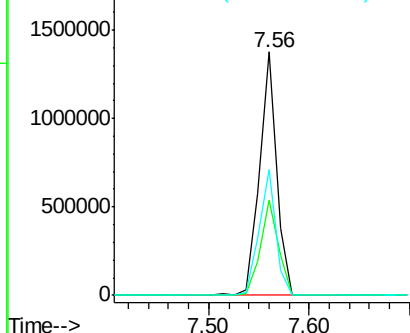
#23
 Nitrobenzene-d5
 Concen: 74.74 ng
 RT: 7.56 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

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

Tgt Ion: 82 Resp: 1625995
 Ion Ratio Lower Upper
 82 100
 128 39.2 40.0 60.0#
 54 51.5 42.6 64.0

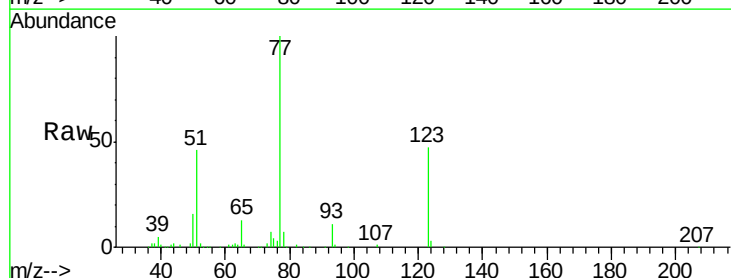


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

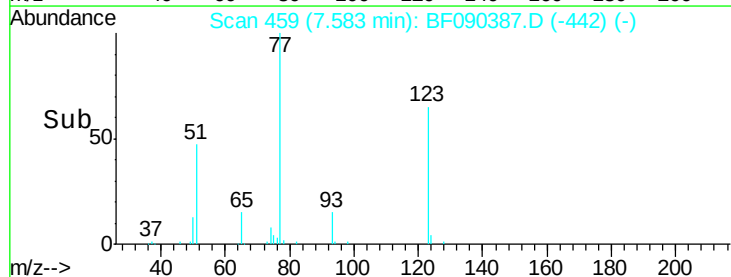
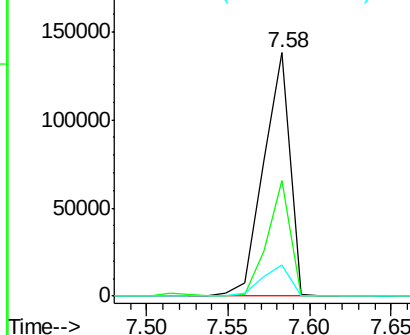


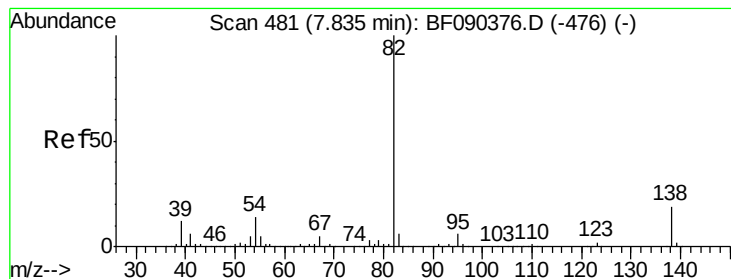
#24
 Nitrobenzene
 Concen: 7.17 ng
 RT: 7.58 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion: 77 Resp: 154929
 Ion Ratio Lower Upper
 77 100
 123 47.3 33.0 49.4
 65 12.8 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: 6.67 ng

RT: 7.81 min Scan# 479

Delta R.T. -0.02 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

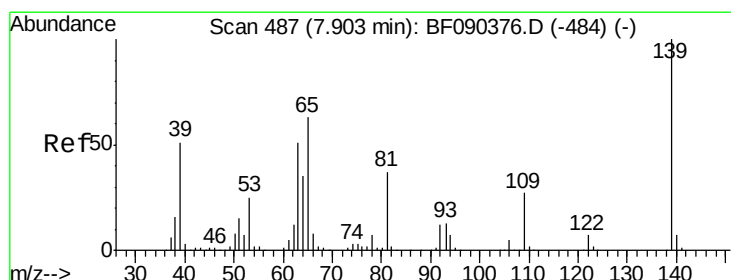
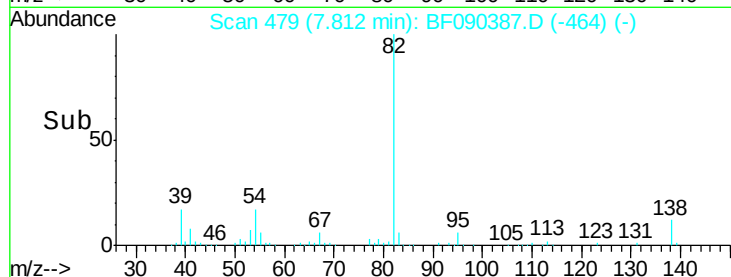
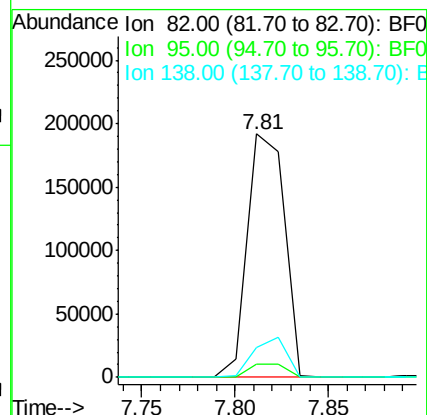
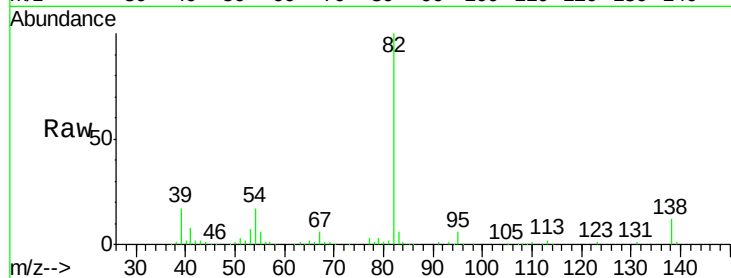
Tgt Ion: 82 Resp: 265240

Ion Ratio Lower Upper

82 100

95 5.6 5.2 7.8

138 12.2 13.0 19.4#



#26

2-Nitrophenol

Concen: 6.00 ng

RT: 7.90 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

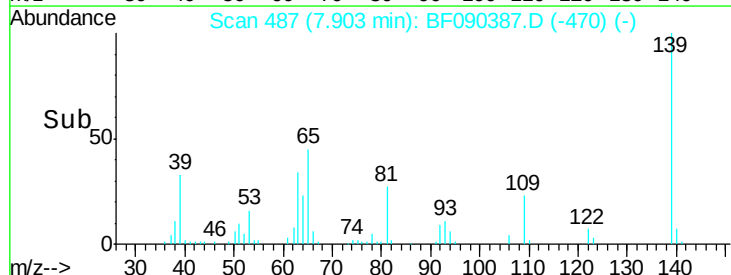
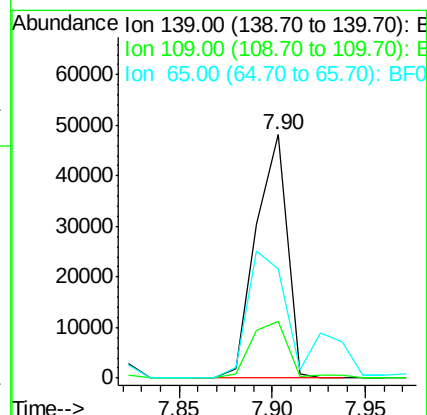
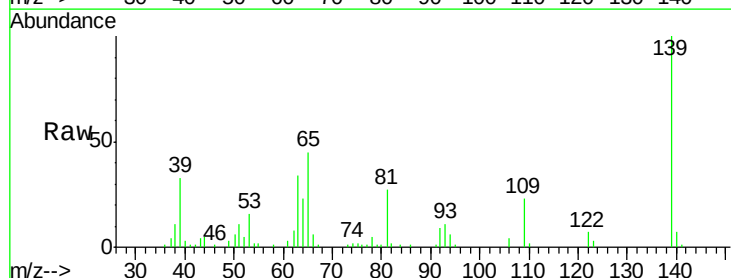
Tgt Ion: 139 Resp: 55802

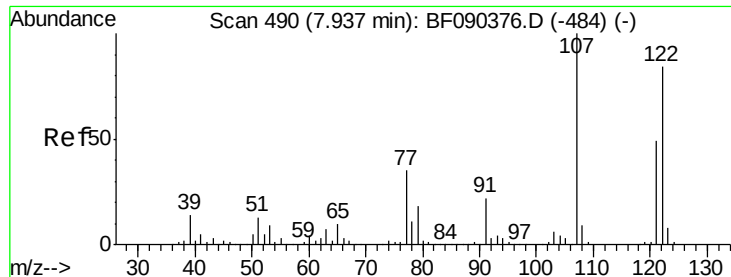
Ion Ratio Lower Upper

139 100

109 23.4 18.9 28.3

65 45.1 31.6 47.4





#27

2,4-Dimethylphenol

Concen: 6.84 ng

RT: 7.94 min Scan# 490

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

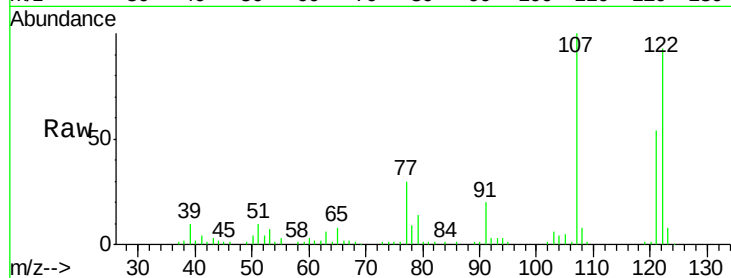
Tgt Ion: 122 Resp: 123598

Ion Ratio Lower Upper

122 100

107 107.8 88.6 132.8

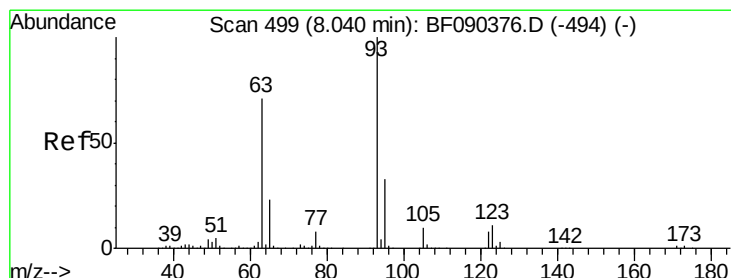
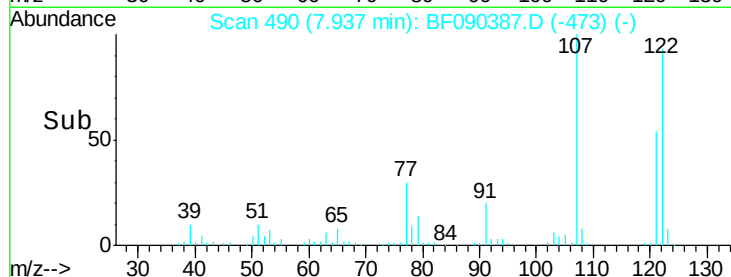
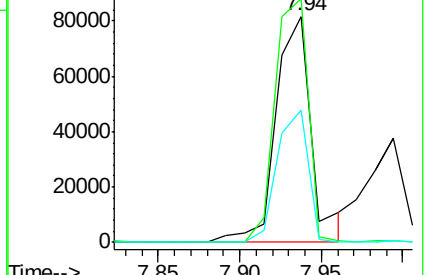
121 58.7 47.5 71.3



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: 6.91 ng

RT: 8.03 min Scan# 498

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

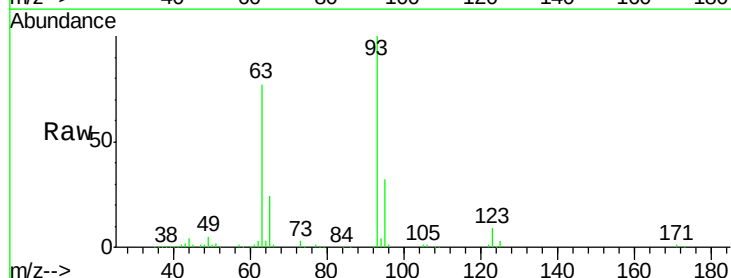
Tgt Ion: 93 Resp: 162478

Ion Ratio Lower Upper

93 100

95 32.0 27.0 40.4

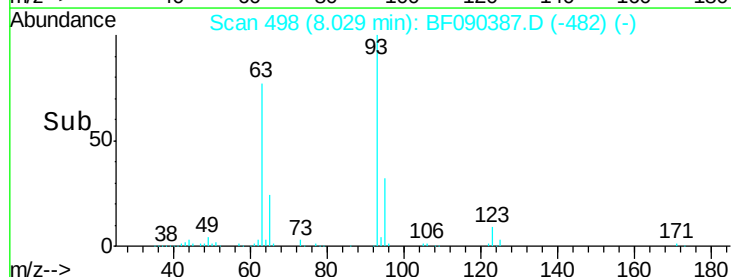
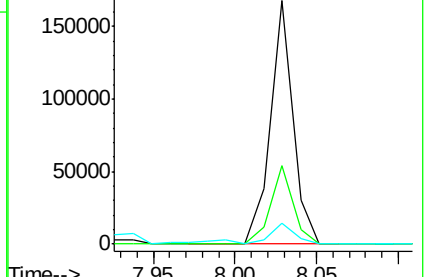
123 8.7 11.1 16.7#

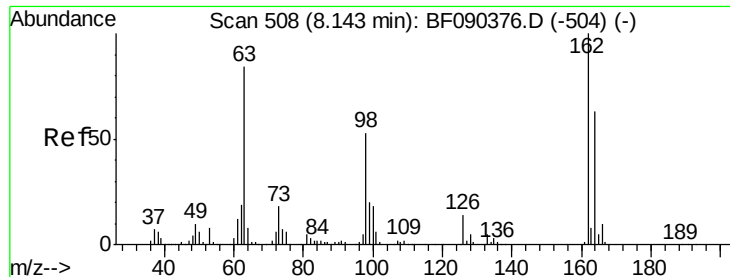


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 6.37 ng

RT: 8.14 min Scan# 508

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

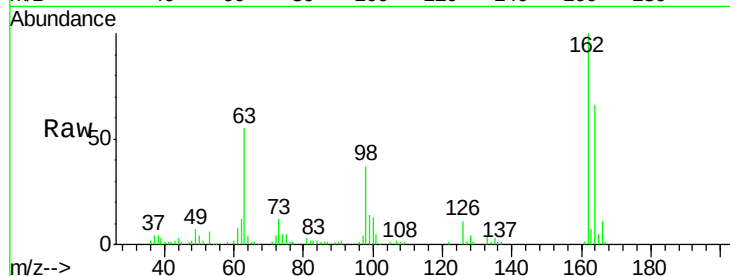
Tgt Ion:162 Resp: 87484

Ion Ratio Lower Upper

162 100

164 66.0 45.7 85.7

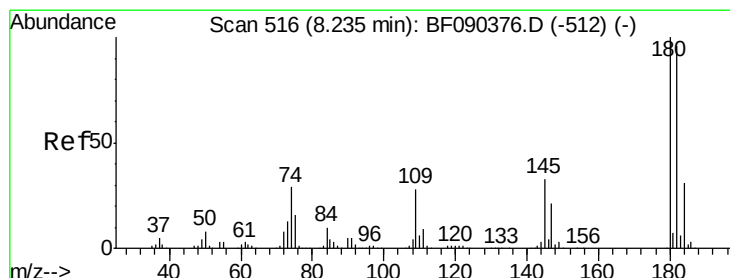
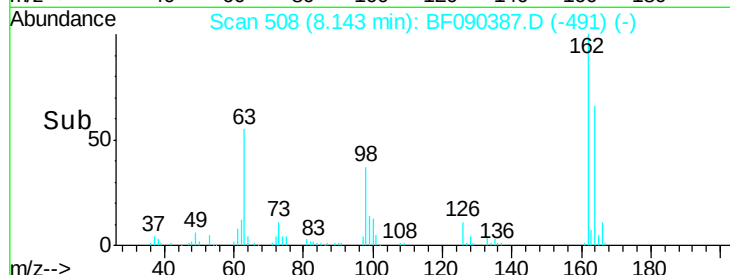
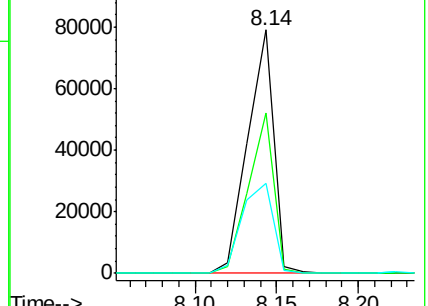
98 37.0 13.3 53.3



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: 6.37 ng

RT: 8.23 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

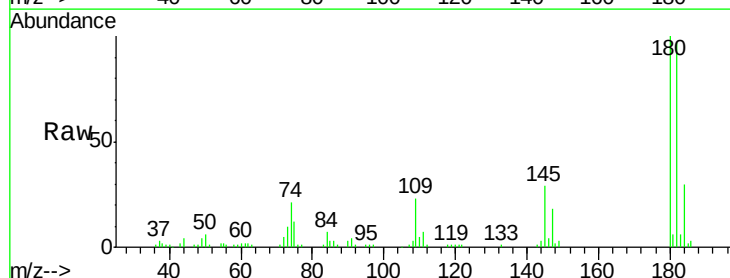
Tgt Ion:180 Resp: 90205

Ion Ratio Lower Upper

180 100

182 97.1 75.3 112.9

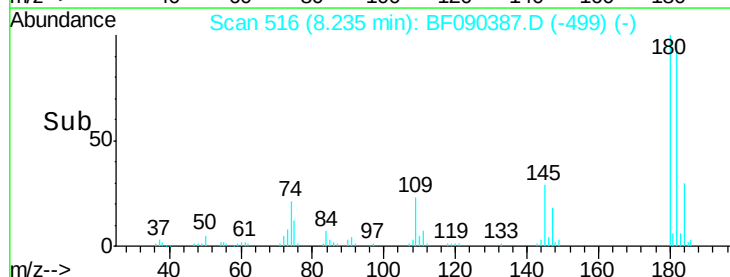
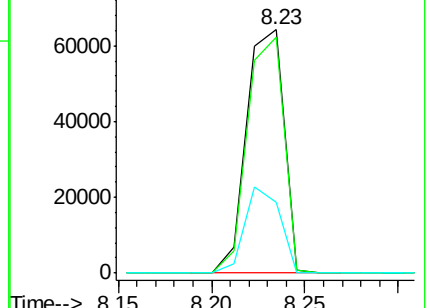
145 29.0 27.7 41.5

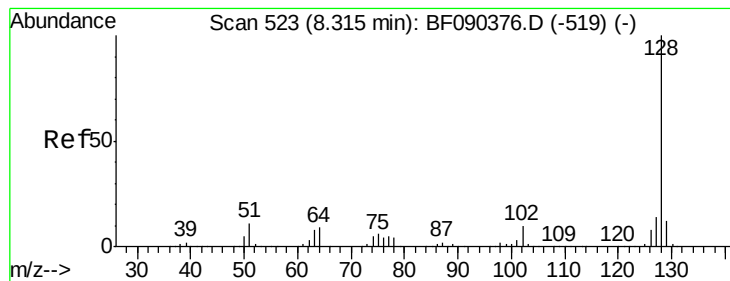


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 7.07 ng

RT: 8.31 min Scan# 523

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

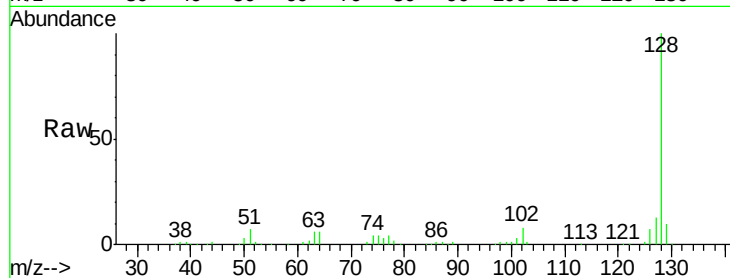
Tgt Ion:128 Resp: 360926

Ion Ratio Lower Upper

128 100

129 10.3 9.7 14.5

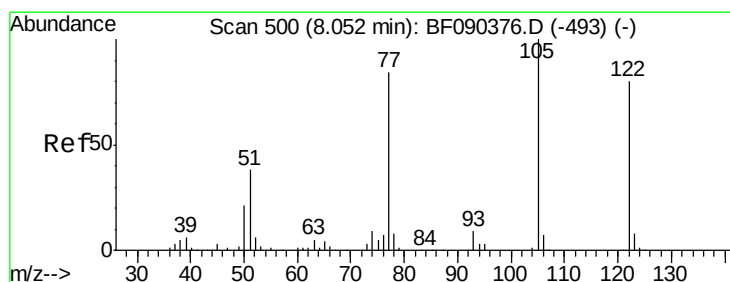
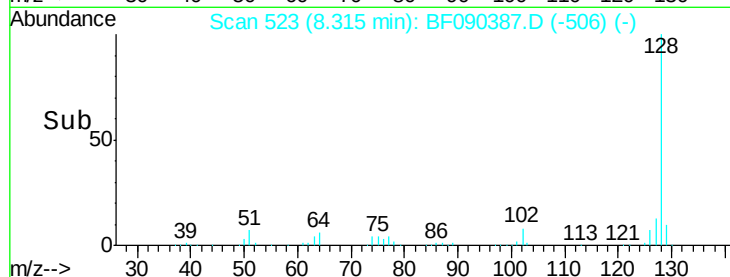
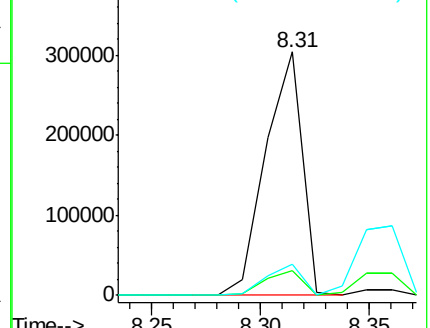
127 12.7 11.7 17.5



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: 4.96 ng

RT: 7.99 min Scan# 495

Delta R.T. -0.06 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

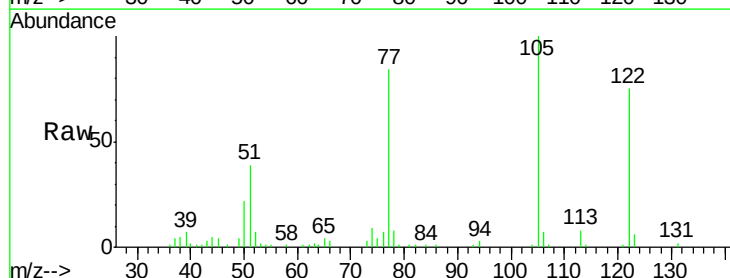
Tgt Ion:122 Resp: 62282

Ion Ratio Lower Upper

122 100

105 132.7 103.9 143.9

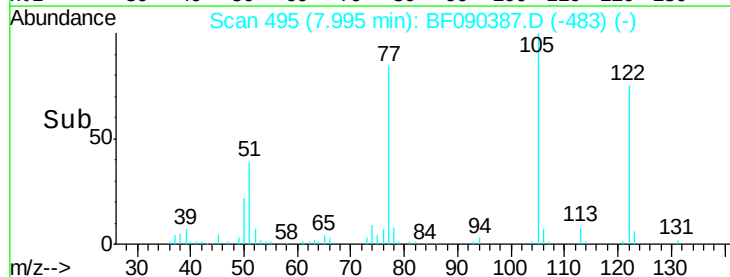
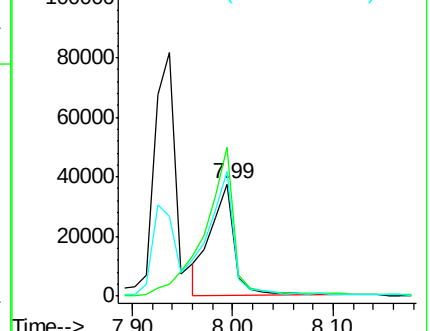
77 111.4 74.6 114.6

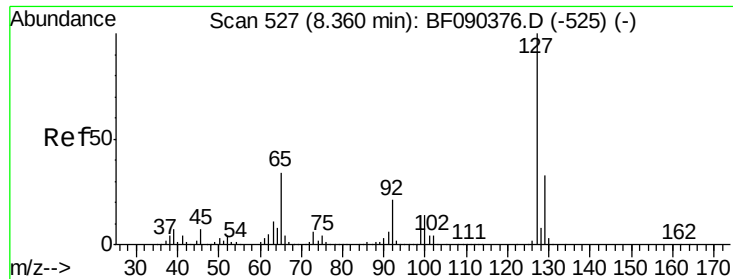


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

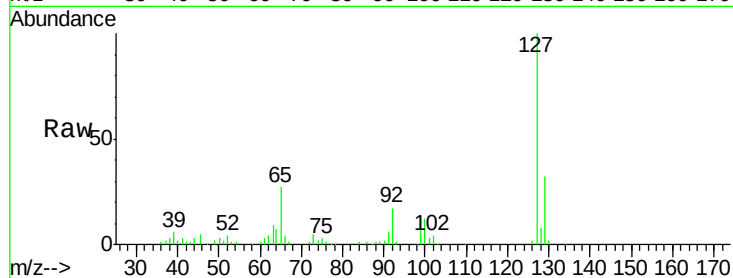




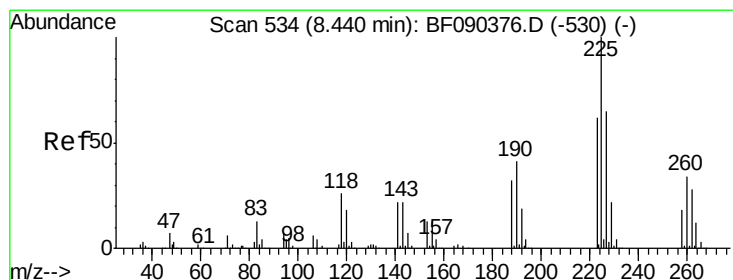
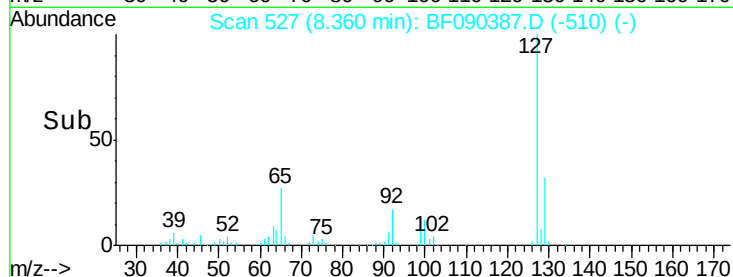
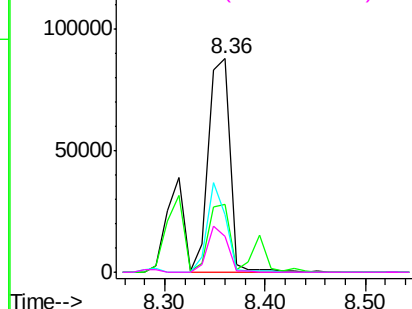
#33
4-Chloroaniline
Concen: 6.19 ng
RT: 8.36 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

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

Tgt Ion:	127	Resp:	130526
Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.2	39.4
65	27.0	32.5	48.7#
92	17.1	17.2	25.8#

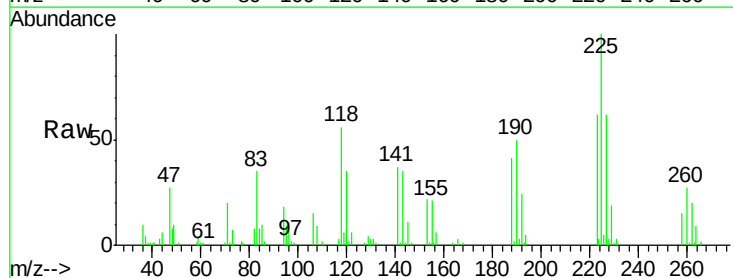


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

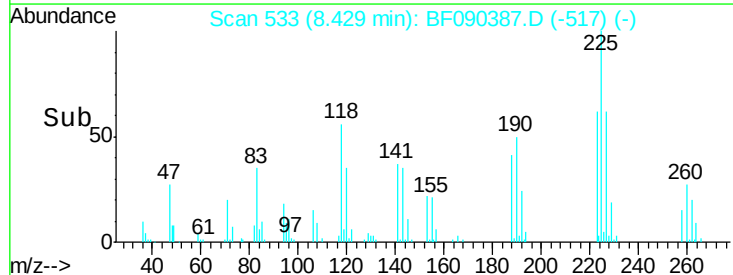
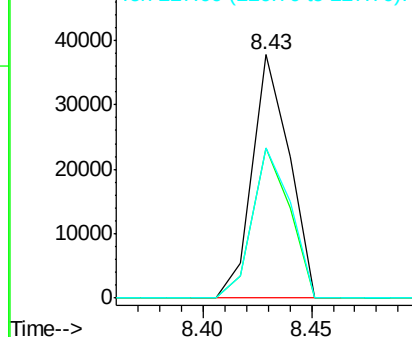


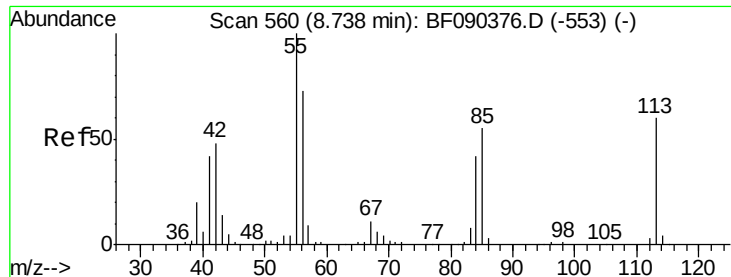
#34
Hexachlorobutadiene
Concen: 5.65 ng
RT: 8.43 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion:	225	Resp:	44751
Ion	Ratio	Lower	Upper
225	100		
223	61.9	51.0	76.4
227	61.8	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

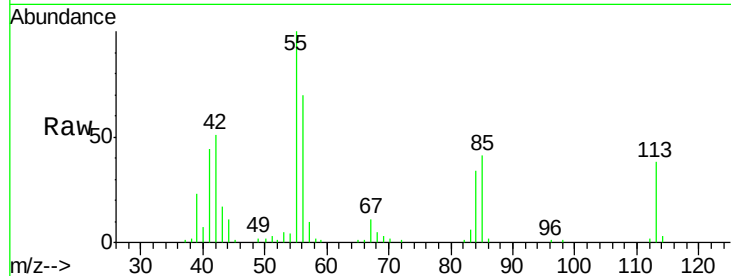




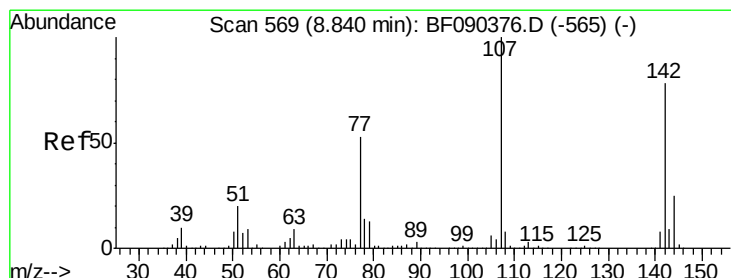
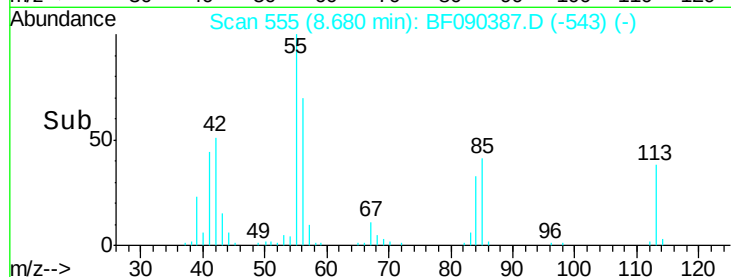
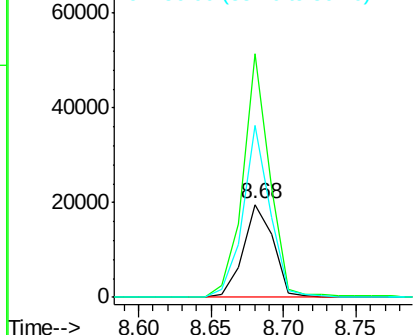
#35
 Caprolactam
 Concen: 6.09 ng
 RT: 8.68 min Scan# 555
 Delta R.T. -0.06 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

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

Tgt Ion:113 Resp: 28143
 Ion Ratio Lower Upper
 113 100
 55 262.4 203.3 243.3#
 56 184.9 140.5 180.5#

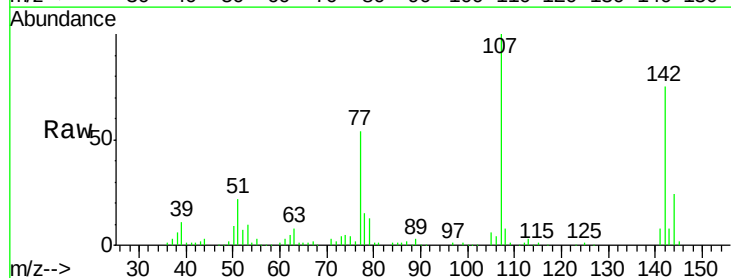


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

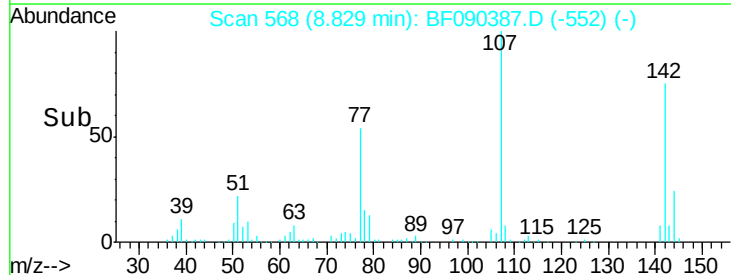
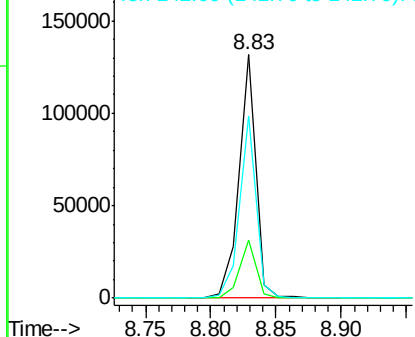


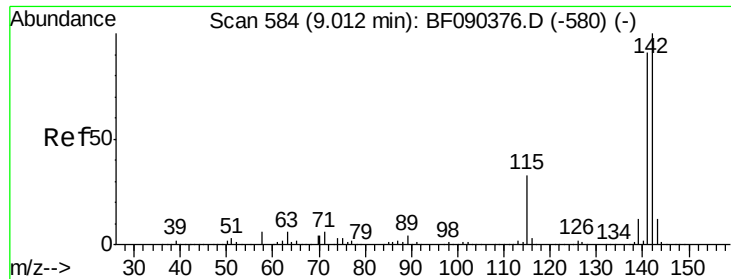
#36
 4-Chloro-3-methylphenol
 Concen: 6.84 ng
 RT: 8.83 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion:107 Resp: 117700
 Ion Ratio Lower Upper
 107 100
 144 23.8 19.8 29.8
 142 75.0 60.7 91.1



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

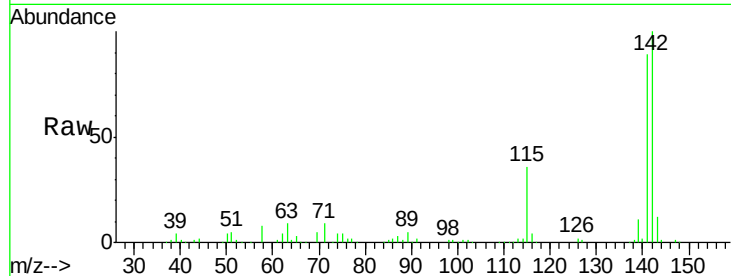




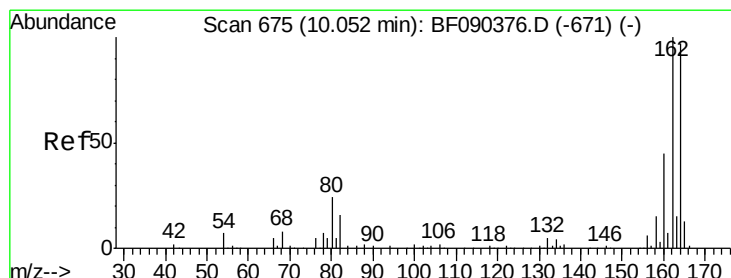
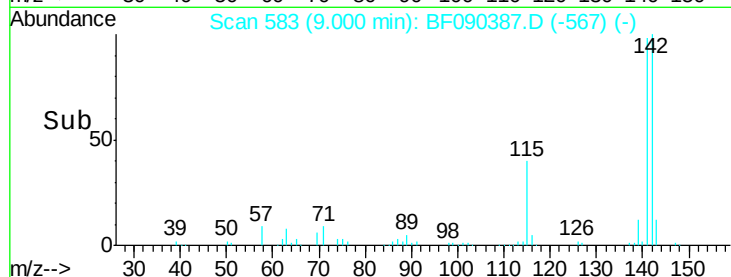
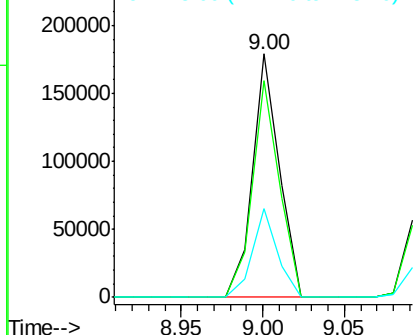
#37
 2-Methylnaphthalene
 Concen: 6.61 ng
 RT: 9.00 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

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

Tgt Ion:142 Resp: 204132
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.8 107.8
 115 36.2 28.8 43.2

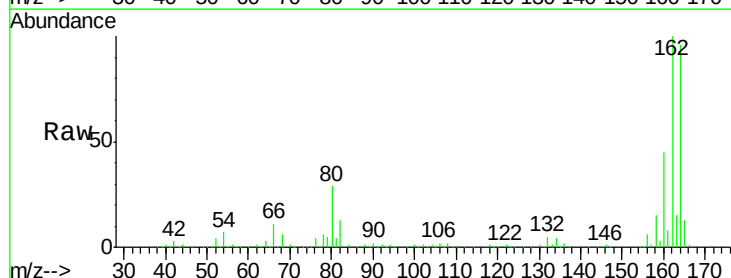


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

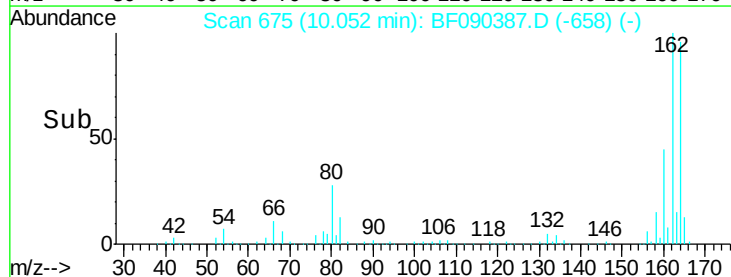
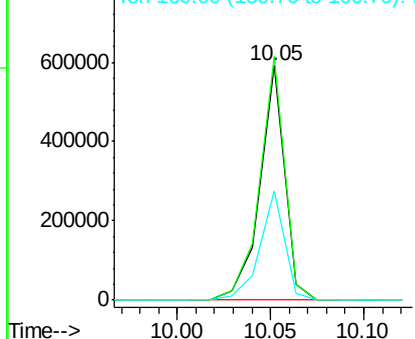


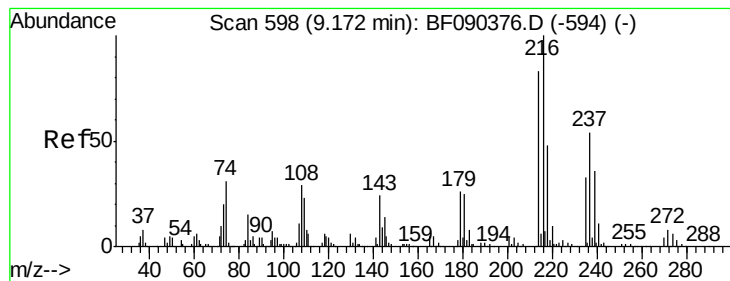
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.05 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion:164 Resp: 539158
 Ion Ratio Lower Upper
 164 100
 162 104.0 80.1 120.1
 160 46.9 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: 6.21 ng

RT: 9.17 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

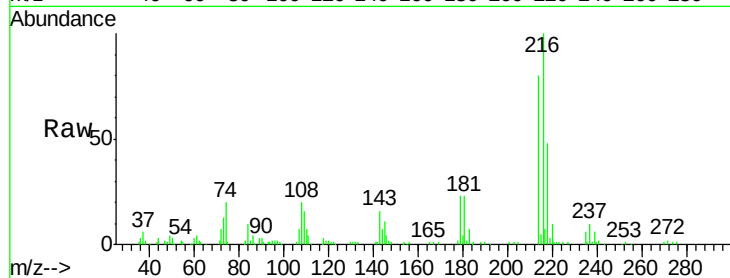
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	216	Resp:	88240
Ion Ratio		Lower	Upper
216	100		
214	79.8	64.2	96.2
179	24.2	18.0	27.0
108	25.5	15.2	22.8#

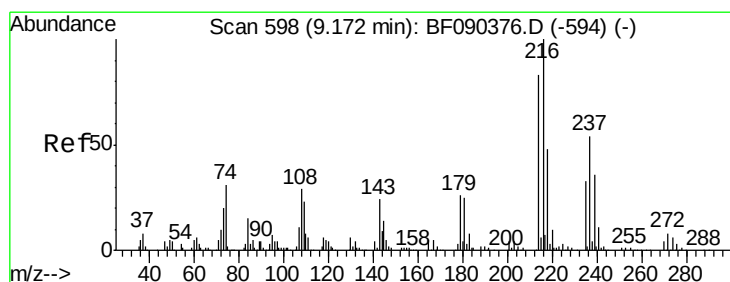
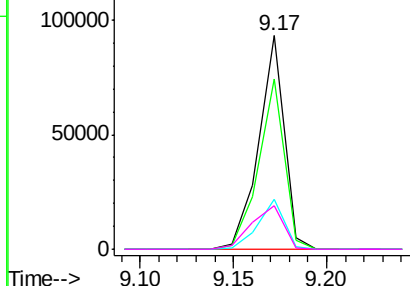
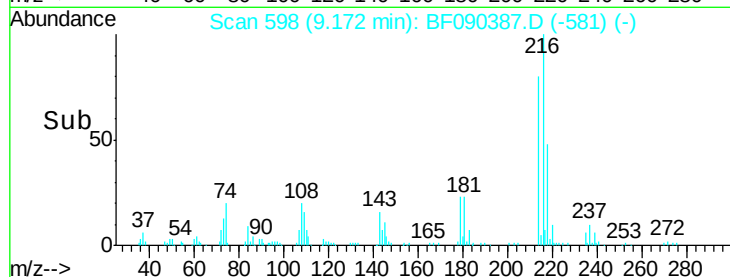


Abundance Ion 216.00 (215.70 to 216.70): E

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: 5.38 ng

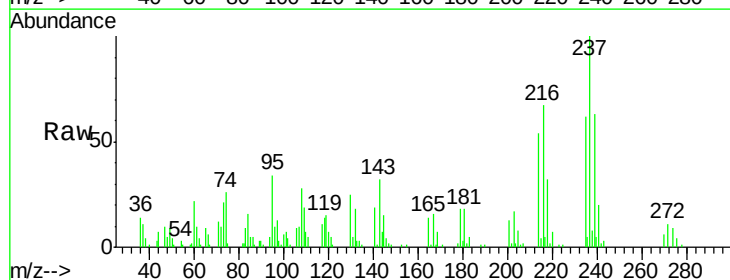
RT: 9.16 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

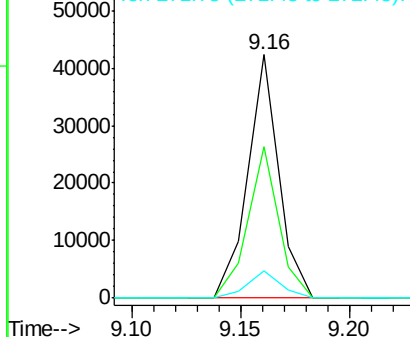
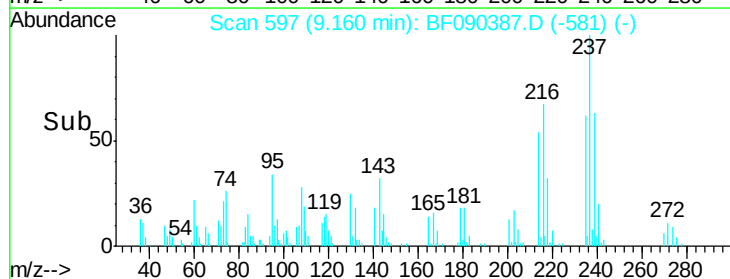
Tgt Ion:	237	Resp:	41884
Ion Ratio		Lower	Upper
237	100		
235	62.5	43.6	83.6
272	11.3	0.0	32.7

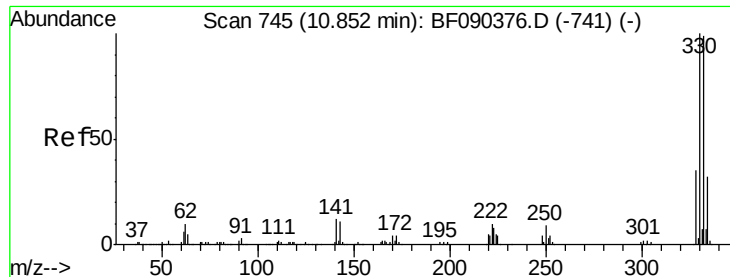


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

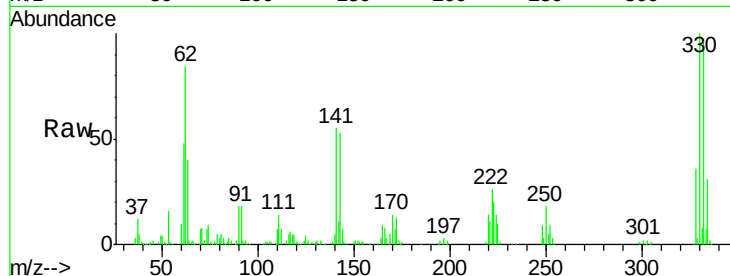




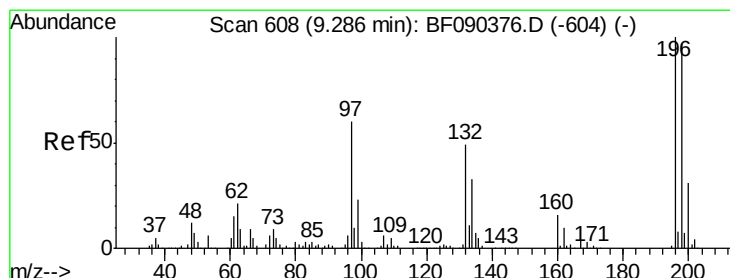
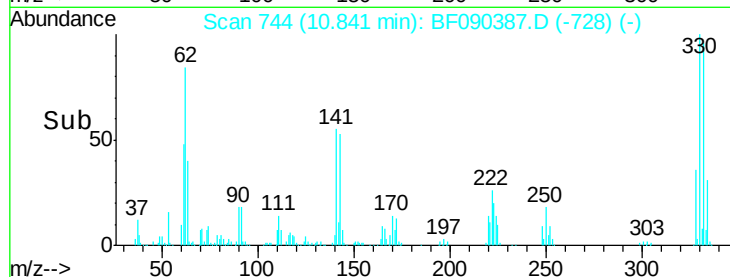
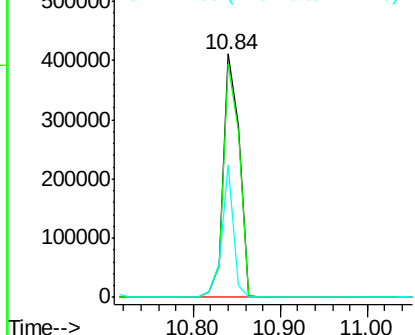
#41
 2,4,6-Tribromophenol
 Concen: 121.22 ng
 RT: 10.84 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

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

Tgt Ion:330 Resp: 531455
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.4 113.0
 141 40.4 26.9 40.3#

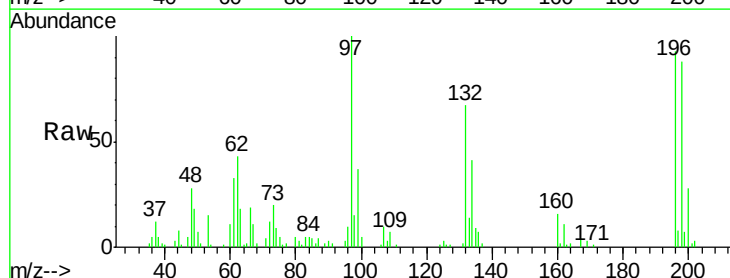


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

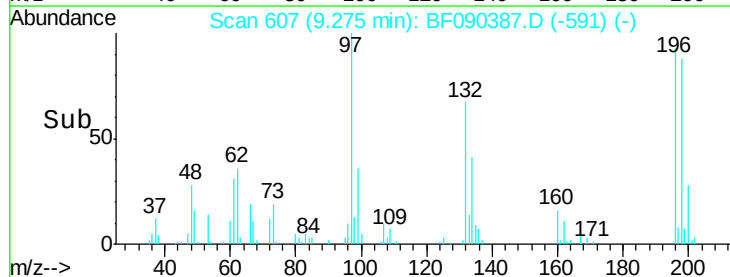
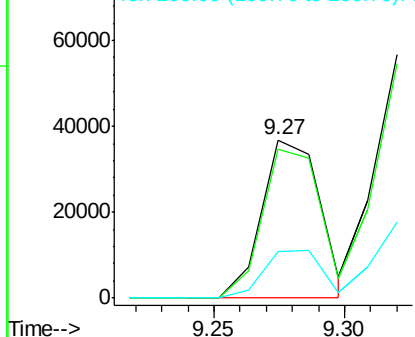


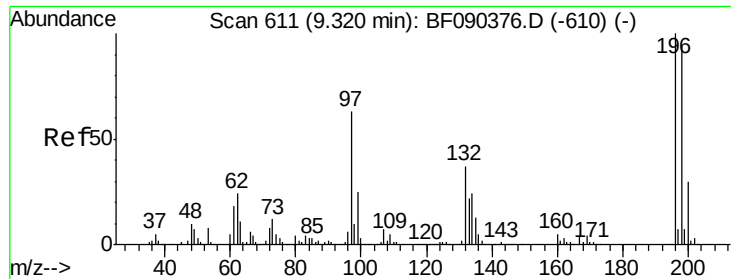
#42
 2,4,6-Trichlorophenol
 Concen: 5.78 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion:196 Resp: 56657
 Ion Ratio Lower Upper
 196 100
 198 94.6 78.9 118.3
 200 29.5 25.4 38.2



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

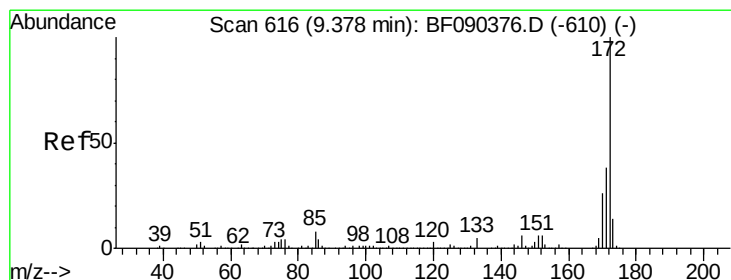
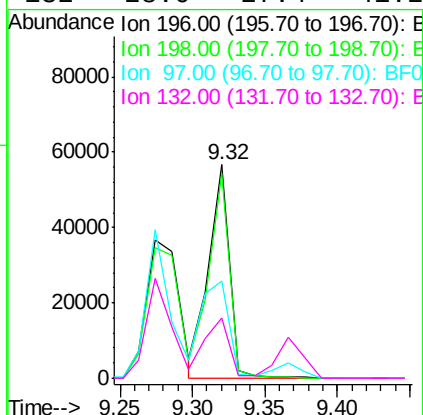
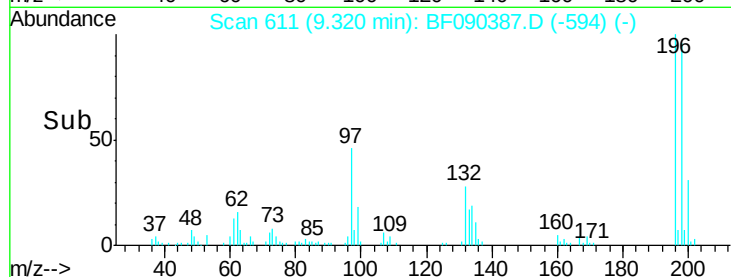
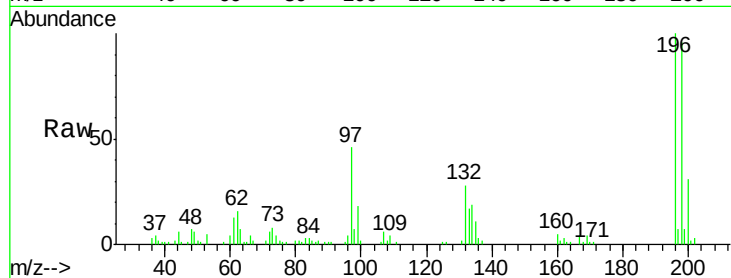




#43
 2,4,5-Trichlorophenol
 Concen: 6.16 ng
 RT: 9.32 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

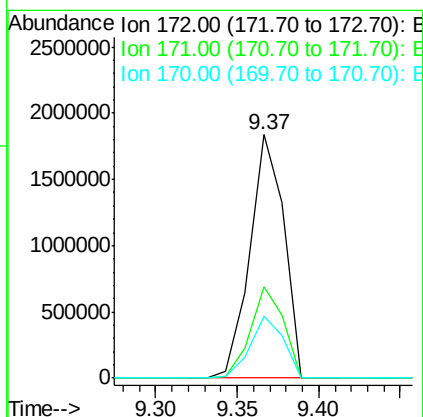
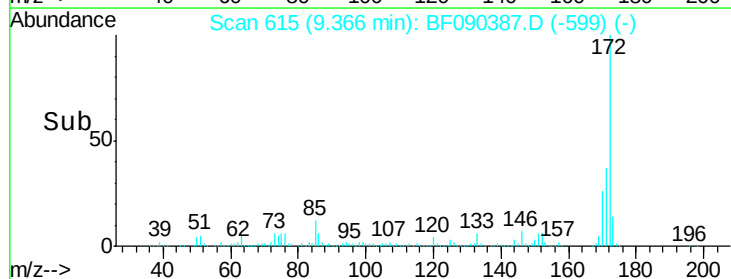
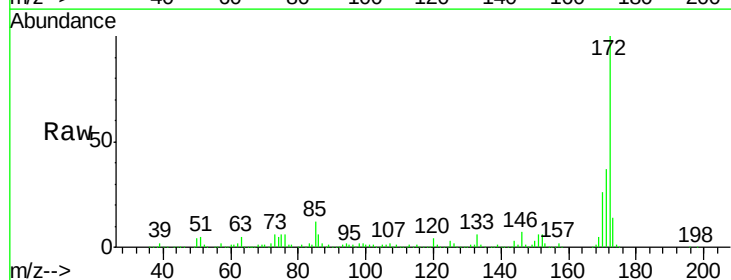
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

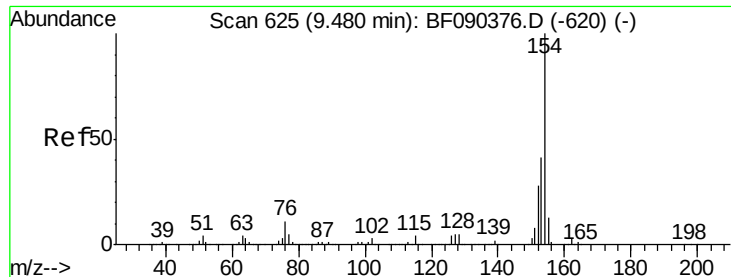
Tgt Ion:196 Resp: 57096
 Ion Ratio Lower Upper
 196 100
 198 96.2 78.1 117.1
 97 45.7 48.1 72.1#
 132 28.0 27.4 41.2



#44
 2-Fluorobiphenyl
 Concen: 81.82 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion:172 Resp: 2647634
 Ion Ratio Lower Upper
 172 100
 171 37.2 31.8 47.8
 170 25.6 21.7 32.5





#45

1,1'-Biphenyl

Concen: 7.27 ng

RT: 9.47 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

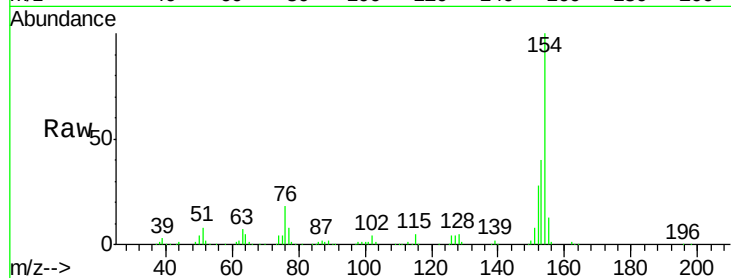
Tgt Ion:154 Resp: 290360

Ion Ratio Lower Upper

154 100

153 40.2 23.8 63.8

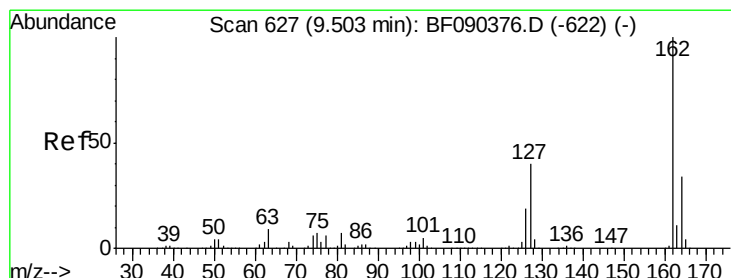
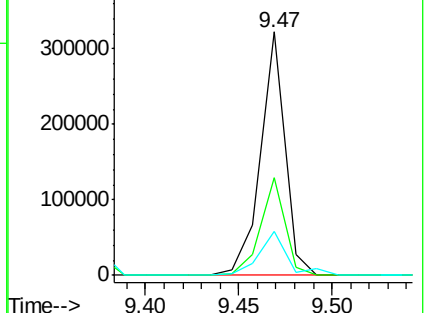
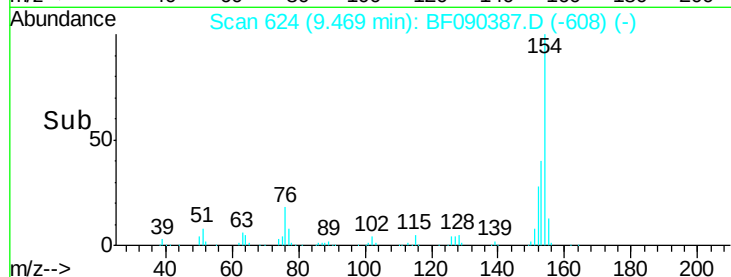
76 18.0 0.0 35.8



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: 6.69 ng

RT: 9.49 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

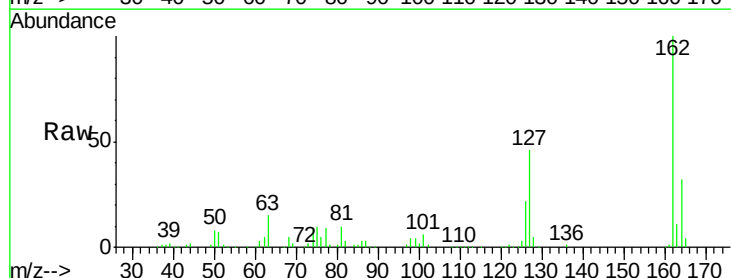
Tgt Ion:162 Resp: 197536

Ion Ratio Lower Upper

162 100

127 45.7 35.6 53.4

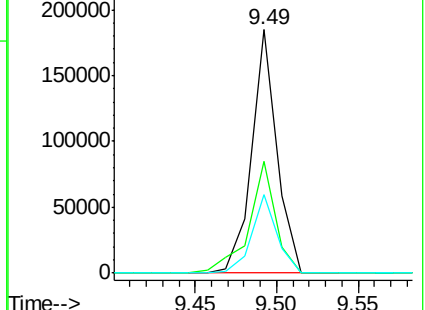
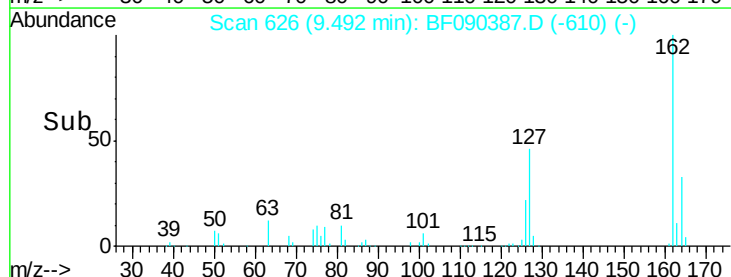
164 32.4 27.5 41.3

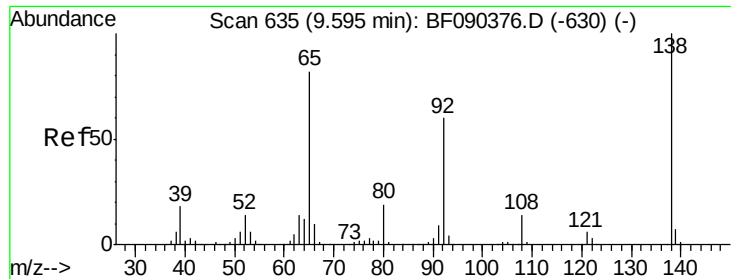


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

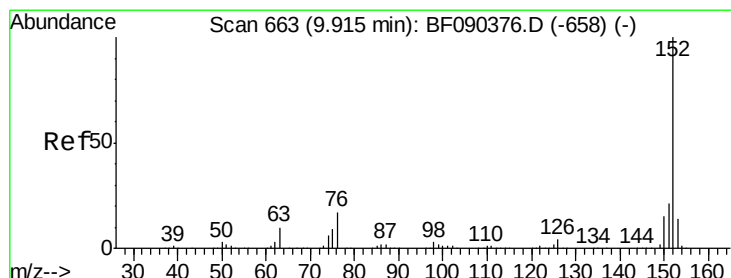
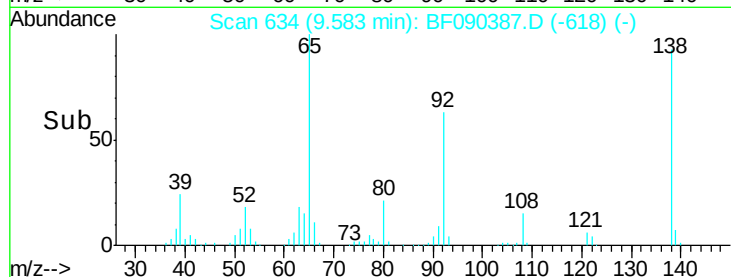
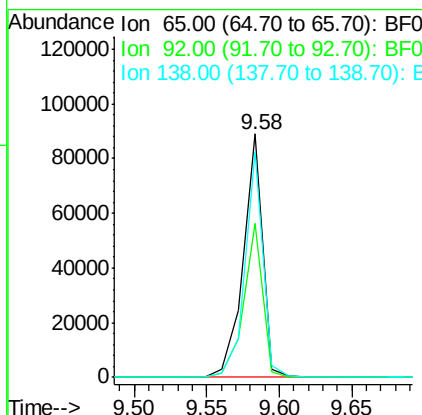
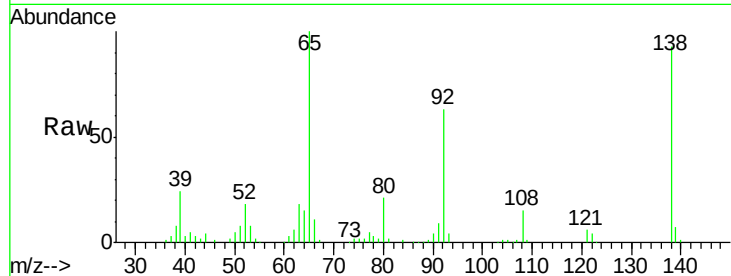




#47
2-Nitroaniline
Concen: 7.09 ng
RT: 9.58 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

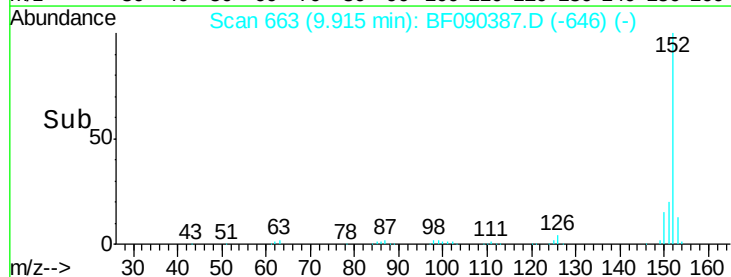
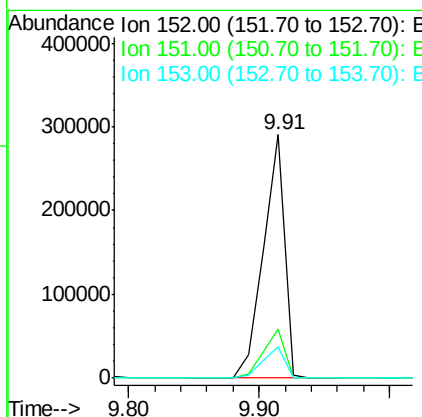
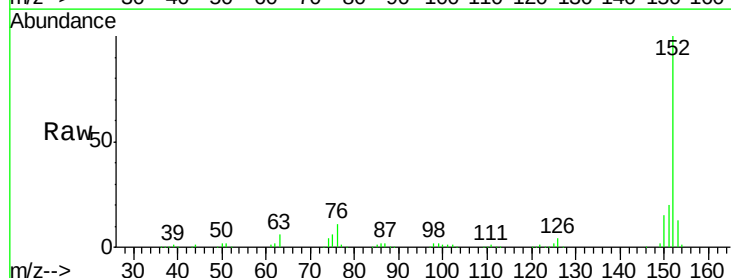
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

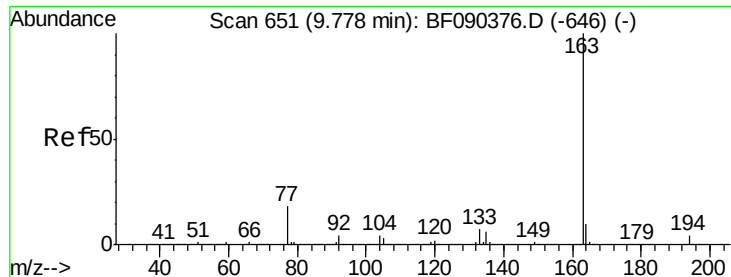
Tgt Ion: 65 Resp: 82596
Ion Ratio Lower Upper
65 100
92 63.4 51.7 77.5
138 92.6 79.0 118.4



#48
Acenaphthylene
Concen: 6.79 ng
RT: 9.91 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion: 152 Resp: 330744
Ion Ratio Lower Upper
152 100
151 20.2 17.4 26.0
153 12.7 11.6 17.4





#49

Dimethylphthalate

Concen: 6.70 ng

RT: 9.77 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

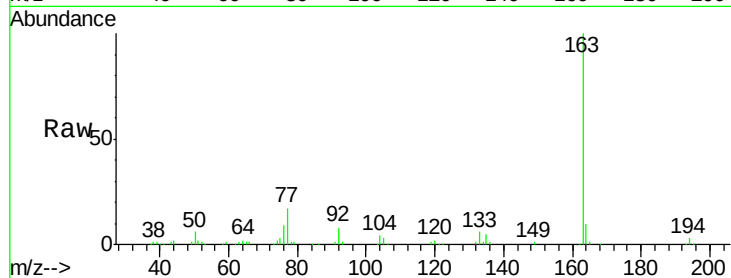
Tgt Ion:163 Resp: 231326

Ion Ratio Lower Upper

163 100

194 3.3 2.8 4.2

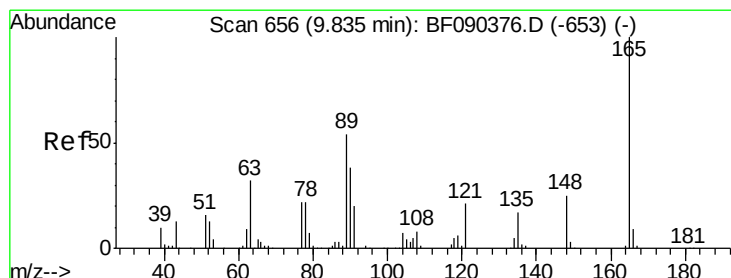
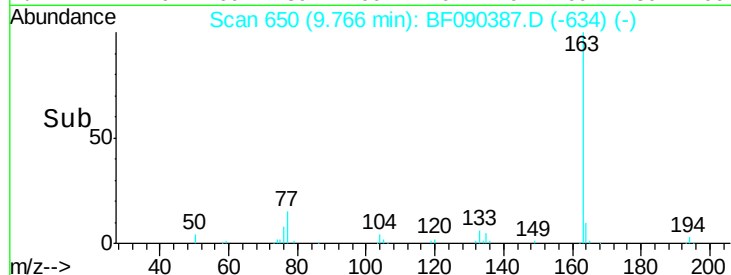
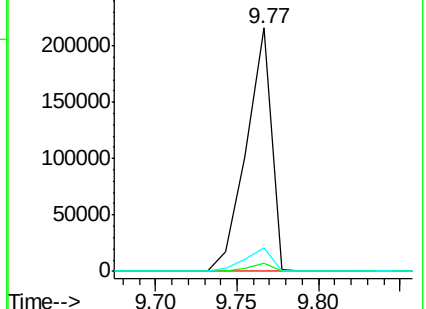
164 9.5 9.0 13.4



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: 6.68 ng

RT: 9.82 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

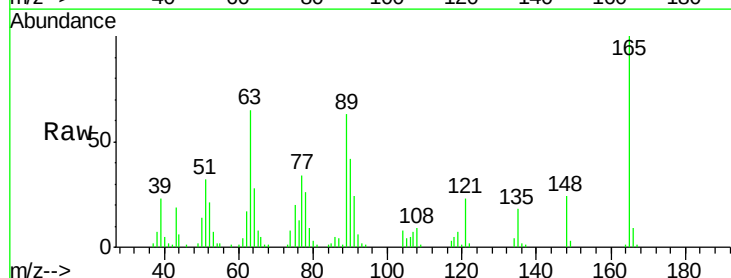
Tgt Ion:165 Resp: 51186

Ion Ratio Lower Upper

165 100

63 65.0 58.0 87.0

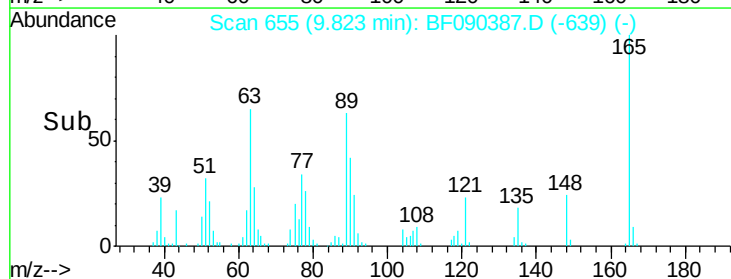
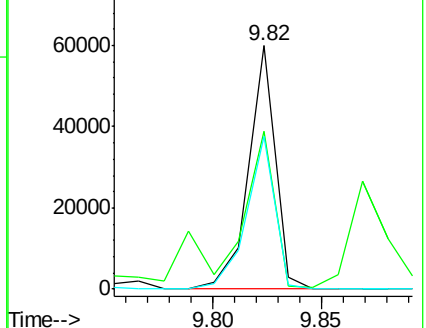
89 62.6 51.2 76.8

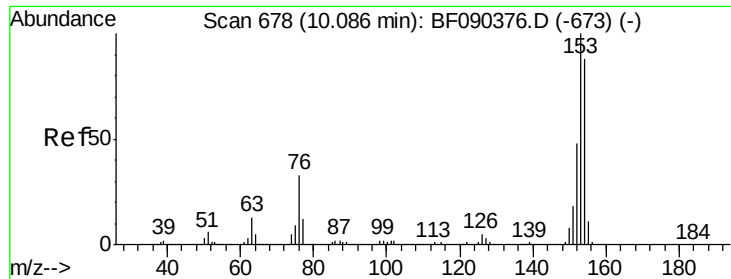


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.82 ng

RT: 10.09 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

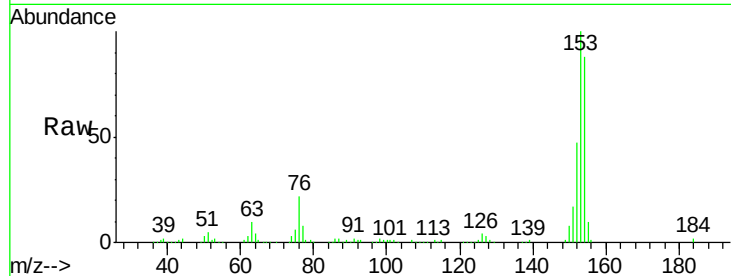
Tgt Ion:154 Resp: 207162

Ion Ratio Lower Upper

154 100

153 113.6 88.6 133.0

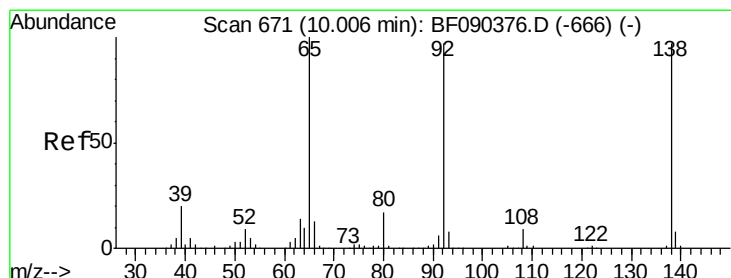
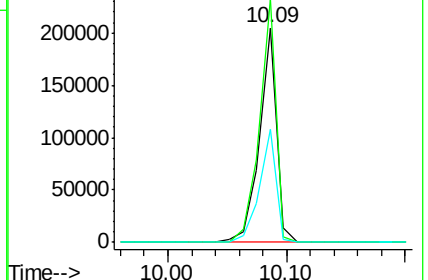
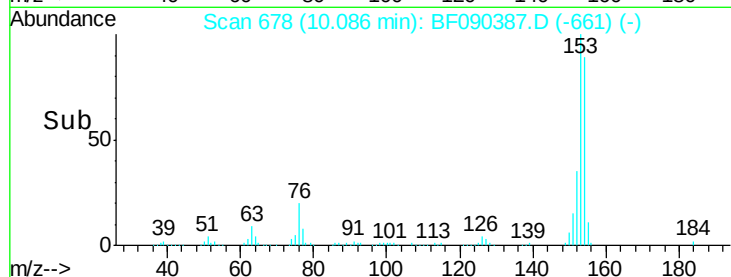
152 52.9 42.6 64.0



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: 6.16 ng

RT: 9.99 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

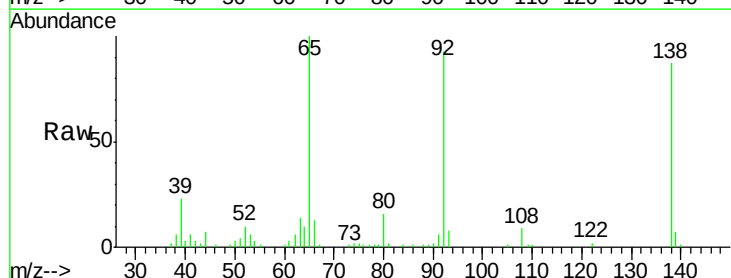
Tgt Ion:138 Resp: 55167

Ion Ratio Lower Upper

138 100

108 10.0 9.7 14.5

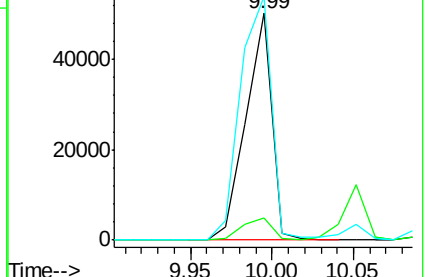
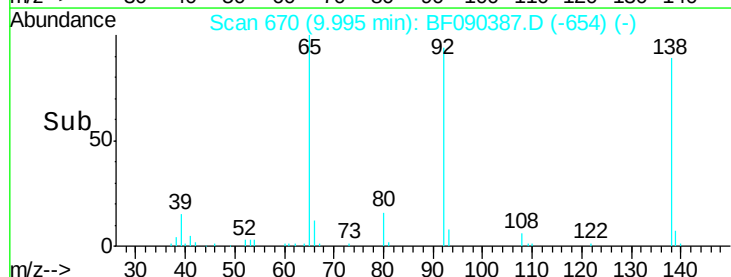
92 107.3 97.1 145.7

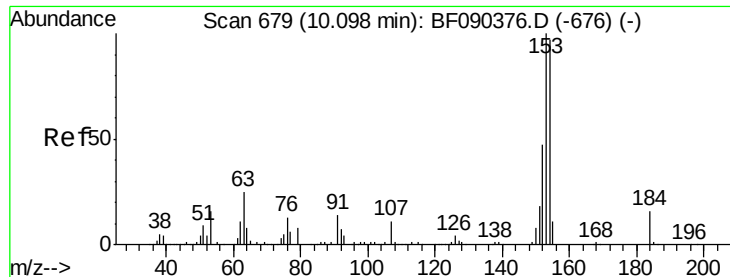


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

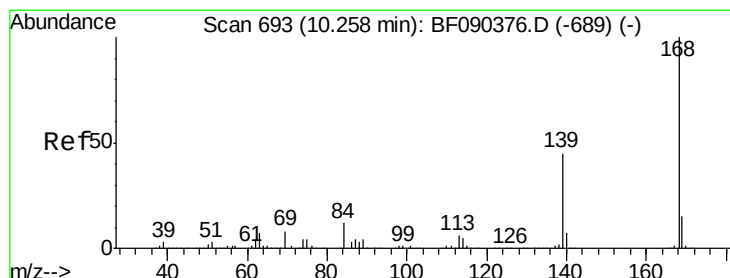
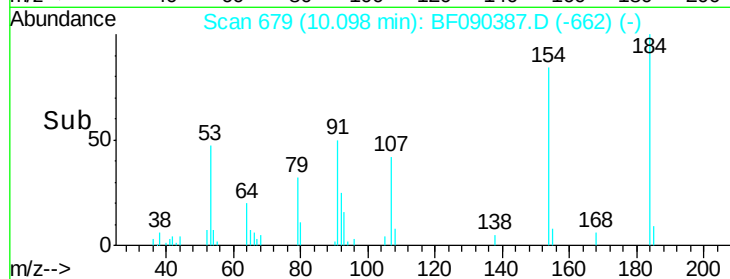
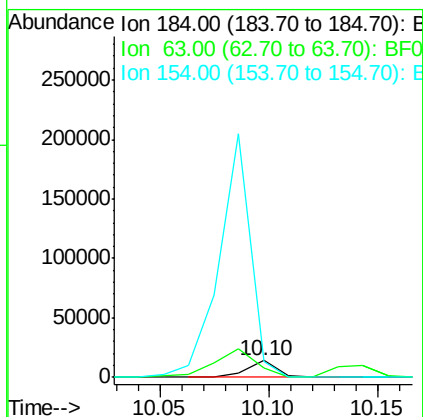
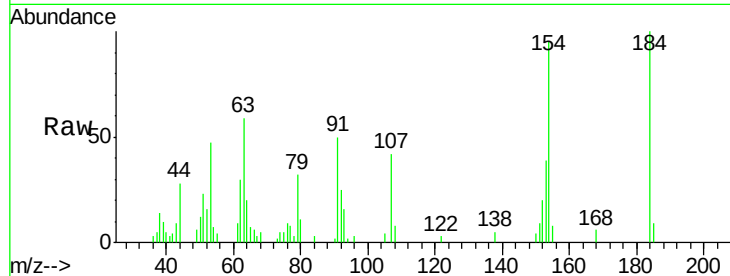




#53
2,4-Dinitrophenol
Concen: 3.77 ng
RT: 10.10 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

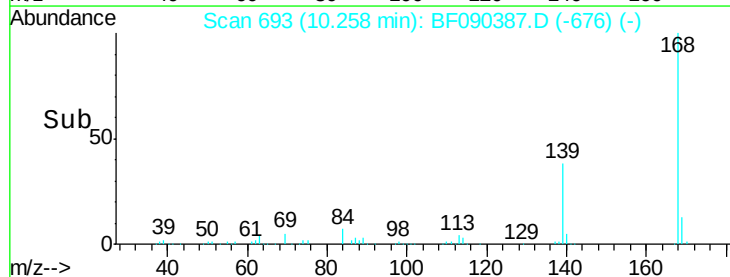
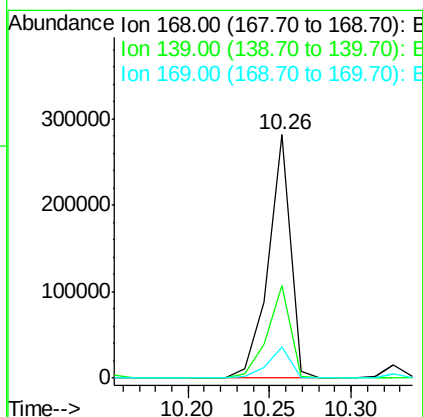
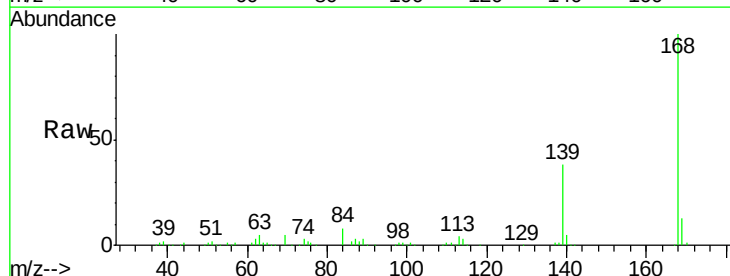
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

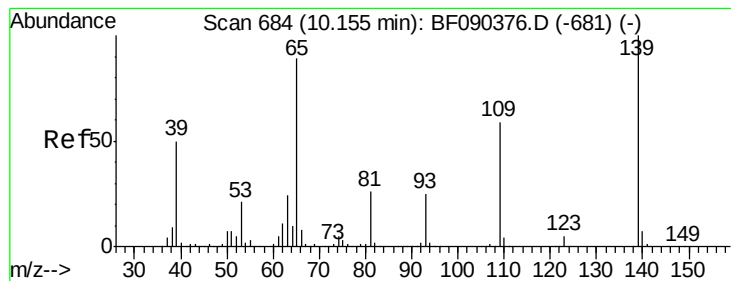
Tgt Ion:184 Resp: 12876
Ion Ratio Lower Upper
184 100
63 59.3 41.9 62.9
154 94.8 48.9 73.3#



#54
Dibenzofuran
Concen: 6.77 ng
RT: 10.26 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion:168 Resp: 266194
Ion Ratio Lower Upper
168 100
139 38.0 29.6 44.4
169 13.0 11.3 16.9





#55

4-Nitrophenol

Concen: 5.93 ng

RT: 10.14 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

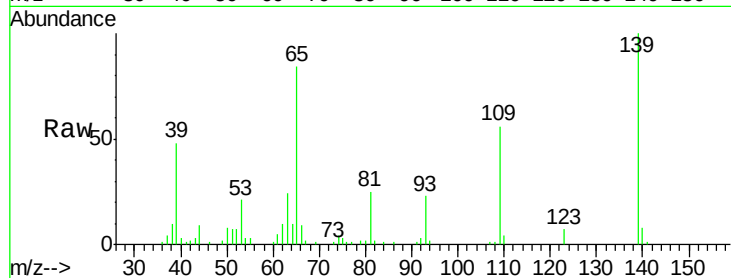
Tgt Ion:139 Resp: 46449

Ion Ratio Lower Upper

139 100

109 55.6 43.6 83.6

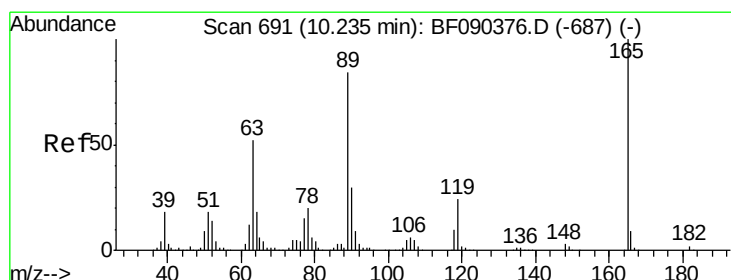
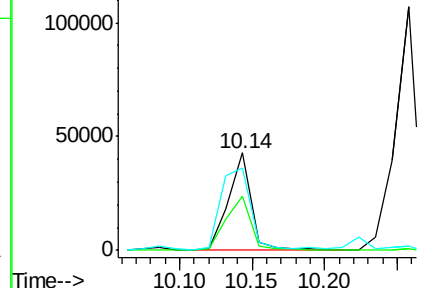
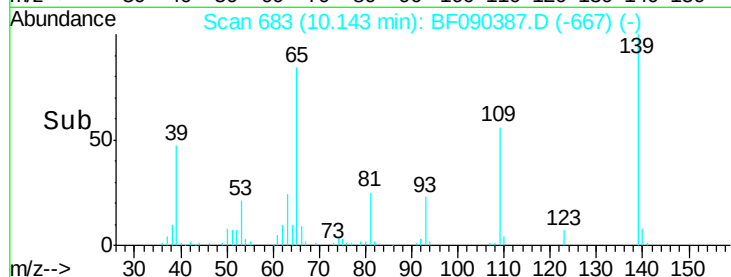
65 84.4 87.5 127.5#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 6.17 ng

RT: 10.22 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Tgt Ion:165 Resp: 62905

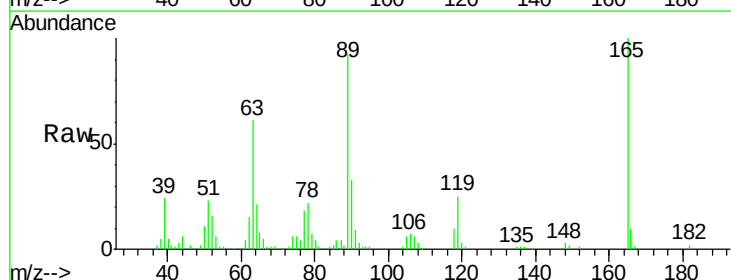
Ion Ratio Lower Upper

165 100

63 60.8 17.8 26.6#

89 92.1 33.2 49.8#

182 2.0 2.1 3.1#

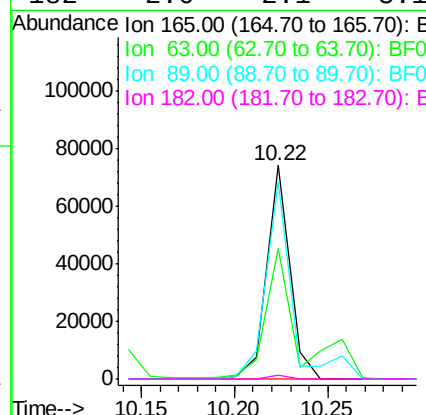
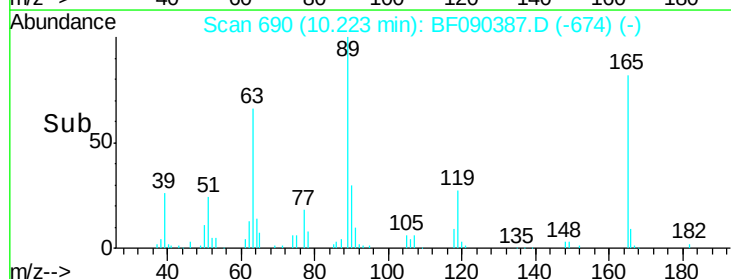


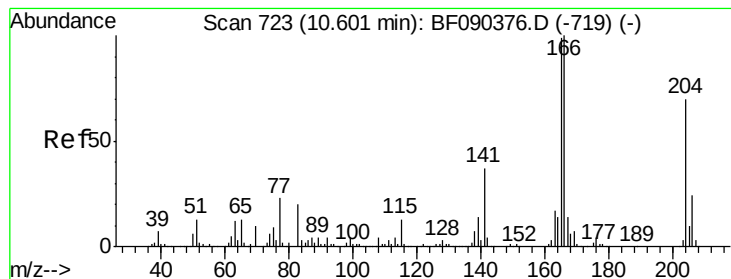
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 7.02 ng

RT: 10.60 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

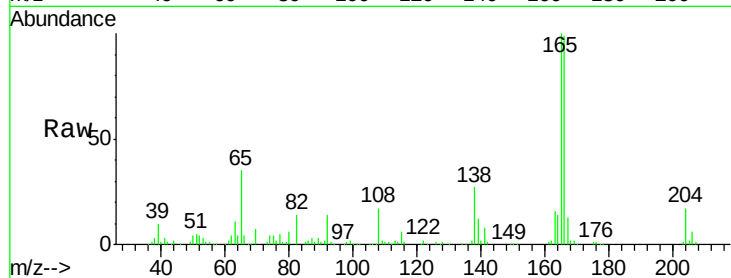
Tgt Ion:166 Resp: 231818

Ion Ratio Lower Upper

166 100

165 100.7 79.2 118.8

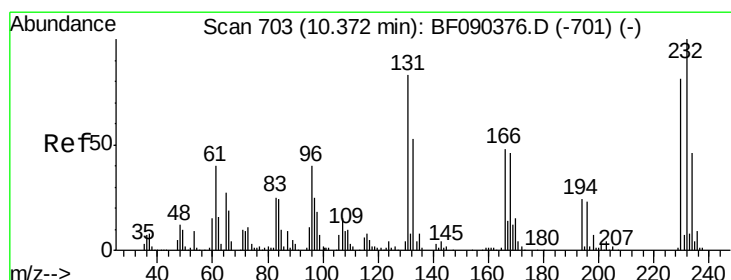
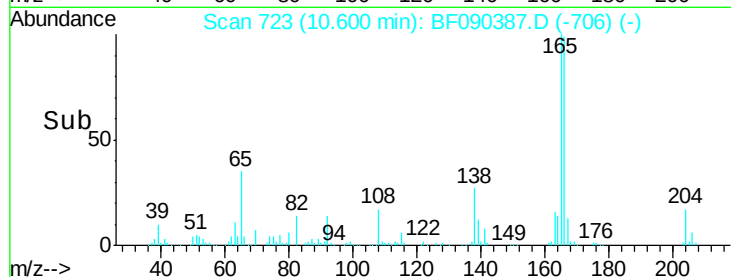
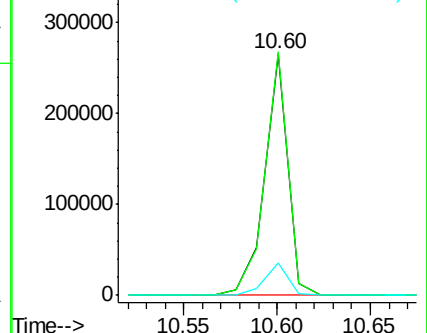
167 13.5 11.1 16.7



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: 6.16 ng

RT: 10.37 min Scan# 703

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Tgt Ion:232 Resp: 42655

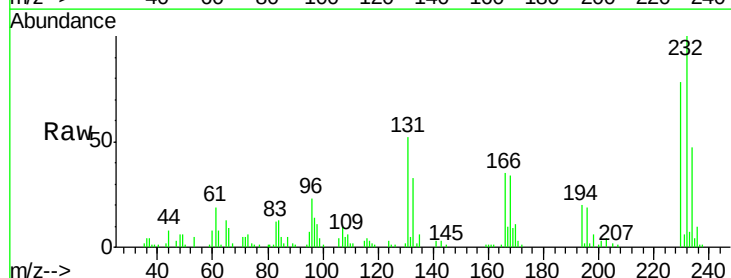
Ion Ratio Lower Upper

232 100

131 58.2 34.5 51.7#

130 2.5 1.6 2.4#

166 36.9 23.8 35.8#

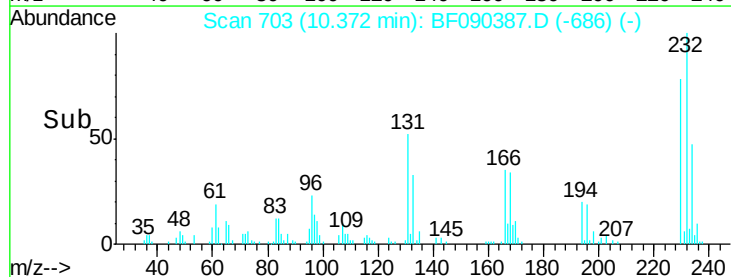
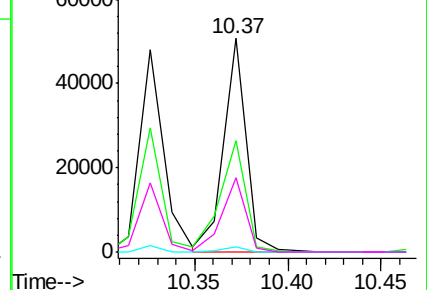


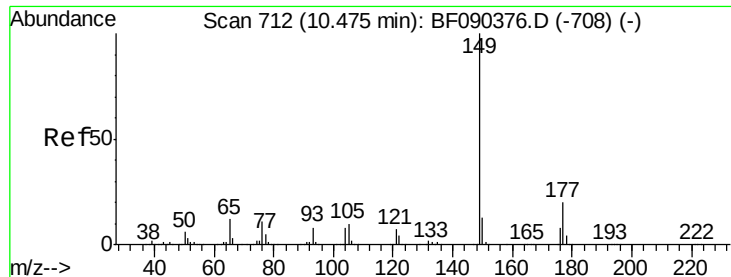
Abundance Ion 232.00 (231.70 to 232.70): E

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

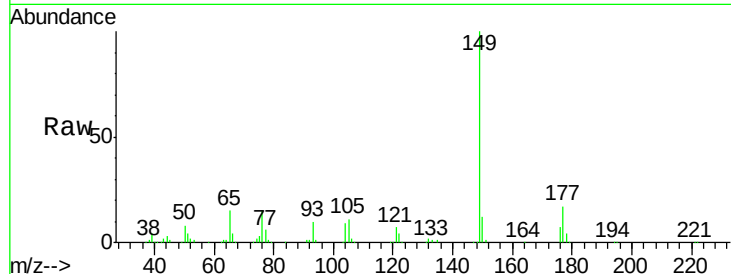




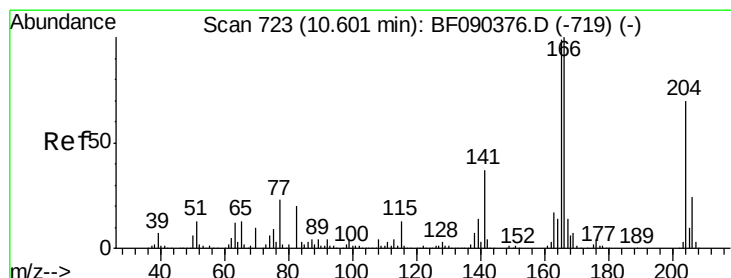
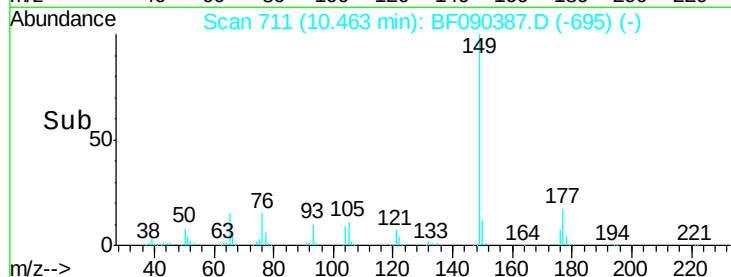
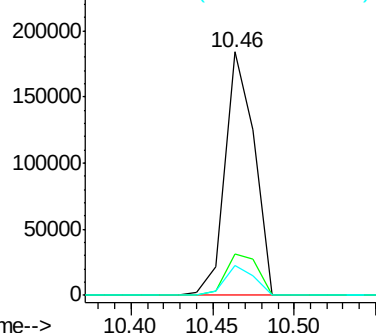
#59
Diethylphthalate
Concen: 6.40 ng
RT: 10.46 min Scan# 711
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

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

Tgt Ion:149 Resp: 228598
Ion Ratio Lower Upper
149 100
177 17.0 21.1 31.7#
150 12.1 10.2 15.2

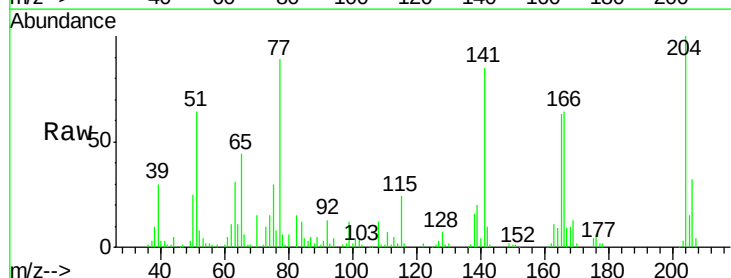


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

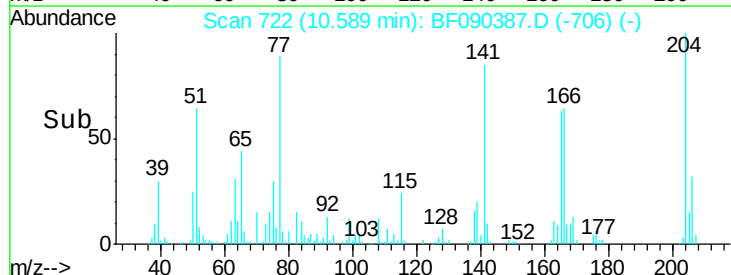
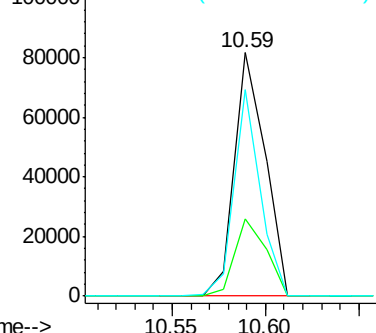


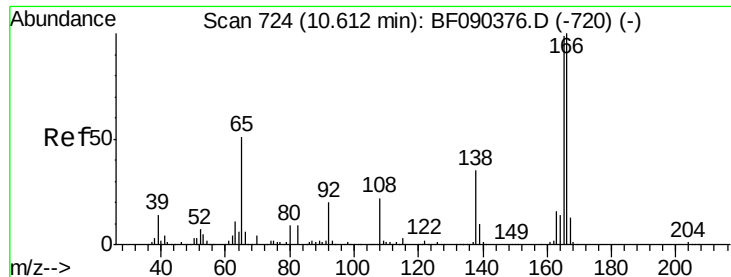
#60
4-Chlorophenyl-phenylether
Concen: 6.18 ng
RT: 10.59 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion:204 Resp: 92761
Ion Ratio Lower Upper
204 100
206 31.9 26.7 40.1
141 84.8 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: 7.03 ng

RT: 10.60 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

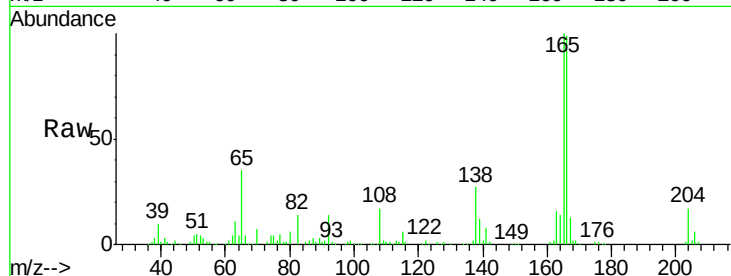
Tgt Ion:138 Resp: 63430

Ion Ratio Lower Upper

138 100

92 52.2 33.2 73.2

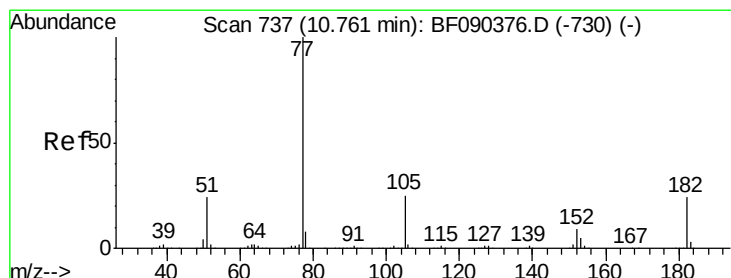
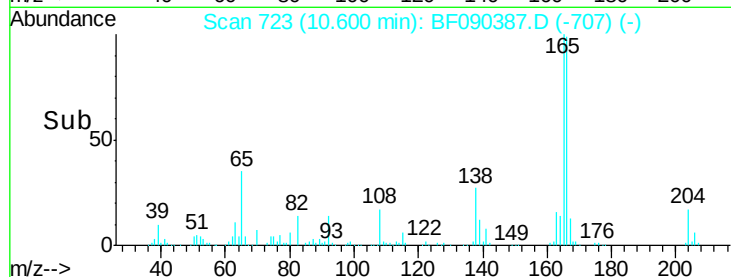
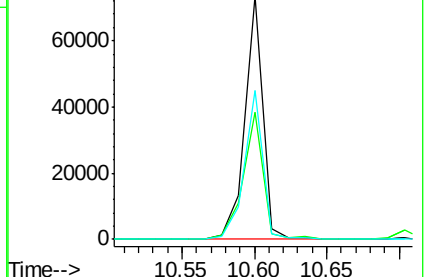
108 61.4 48.5 88.5



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: 6.63 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Tgt Ion: 77 Resp: 273784

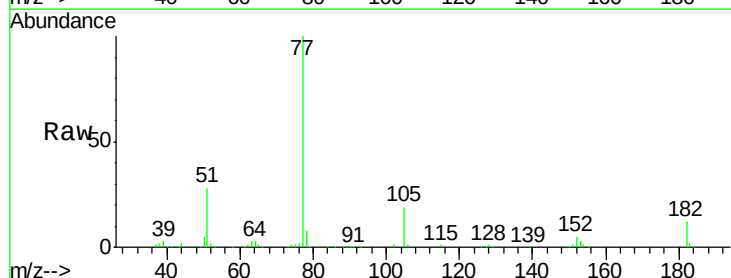
Ion Ratio Lower Upper

77 100

182 12.2 3.2 43.2

105 18.9 2.9 42.9

51 27.5 14.2 54.2

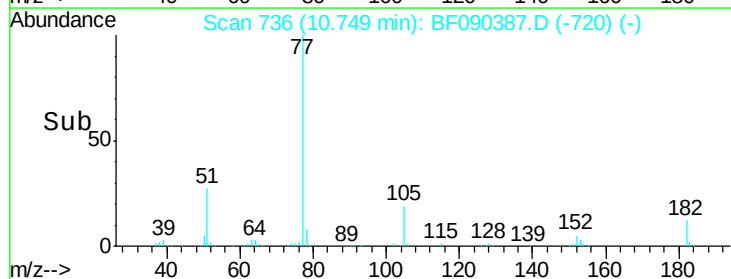
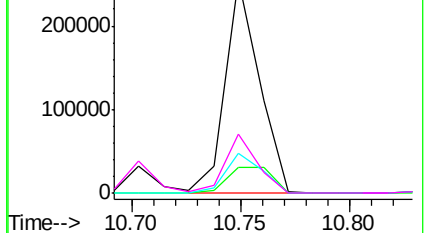


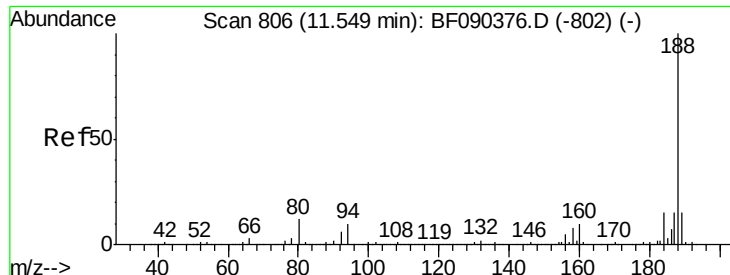
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

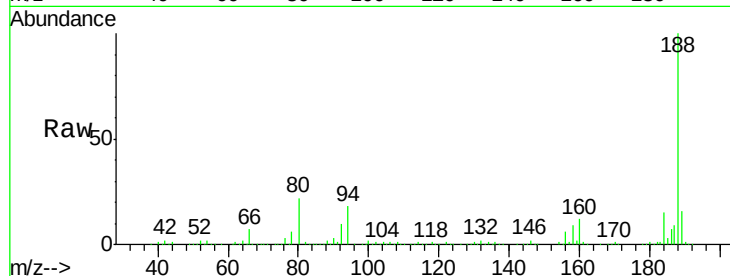




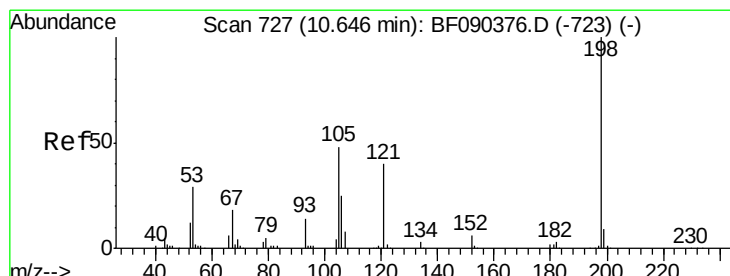
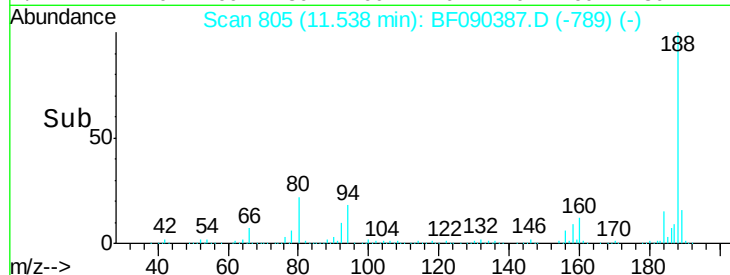
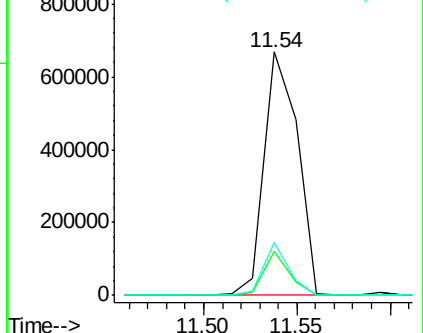
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.54 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

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

Tgt Ion:188 Resp: 826142
Ion Ratio Lower Upper
188 100
94 17.9 8.2 12.2#
80 21.9 8.8 13.2#

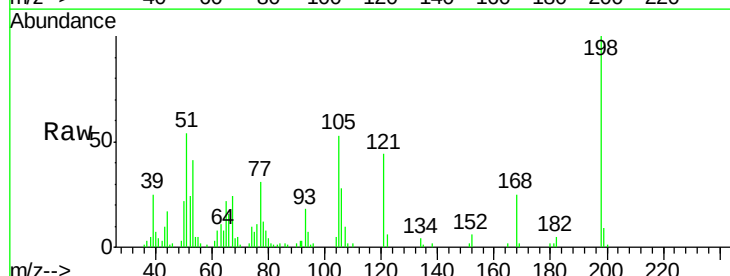


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

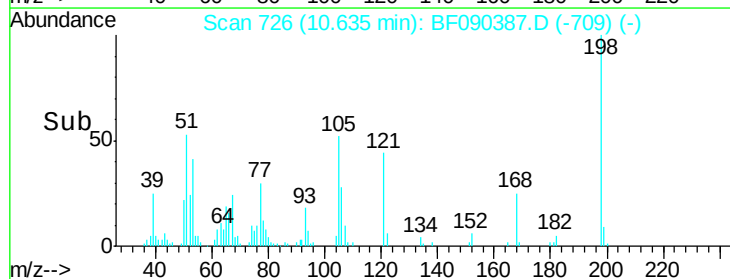
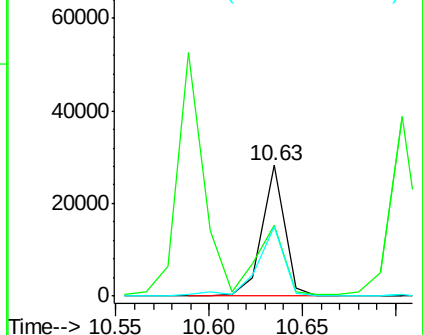


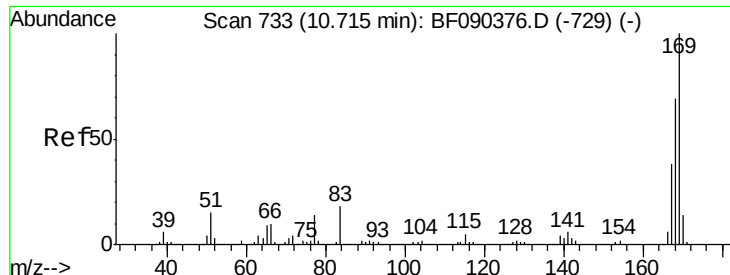
#64
4,6-Dinitro-2-methylphenol
Concen: 9.17 ng
RT: 10.63 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion:198 Resp: 23462
Ion Ratio Lower Upper
198 100
51 54.0 67.3 107.3#
105 53.2 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

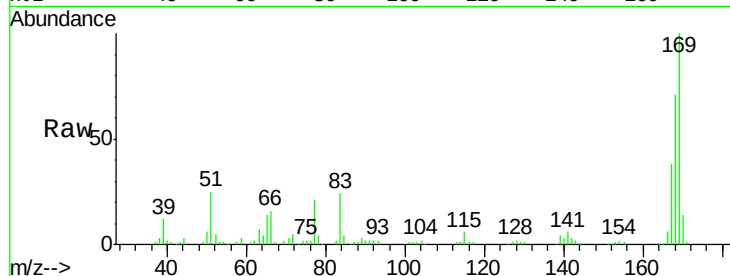




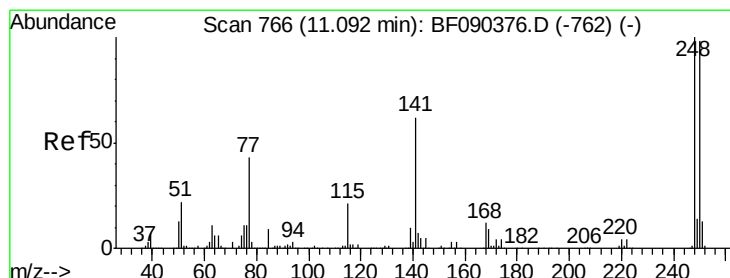
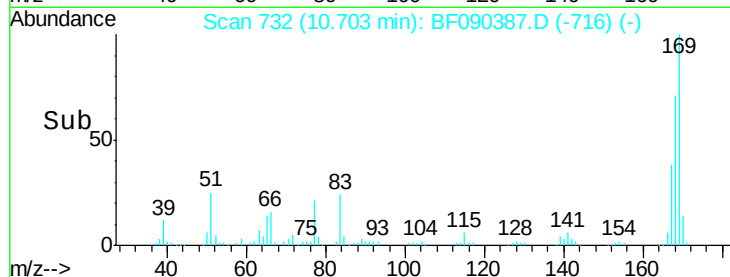
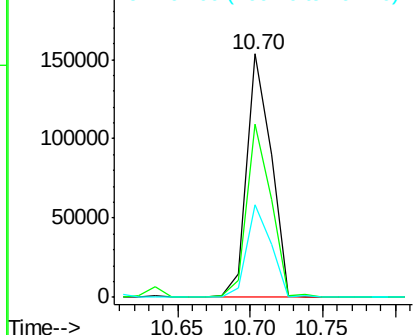
#65
n-Nitrosodiphenylamine
Concen: 6.46 ng
RT: 10.70 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

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

Tgt Ion:169 Resp: 178925
Ion Ratio Lower Upper
169 100
168 71.1 53.8 80.6
167 38.1 29.8 44.8

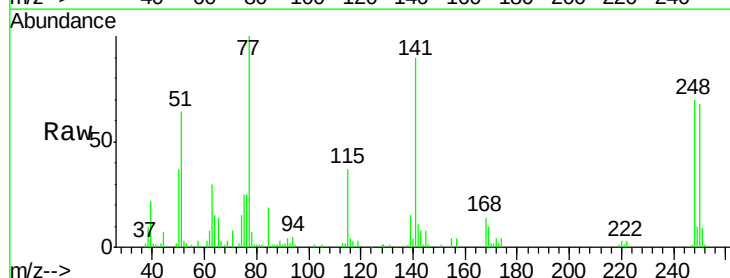


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

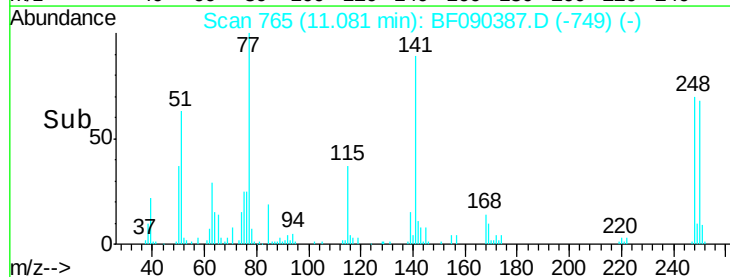
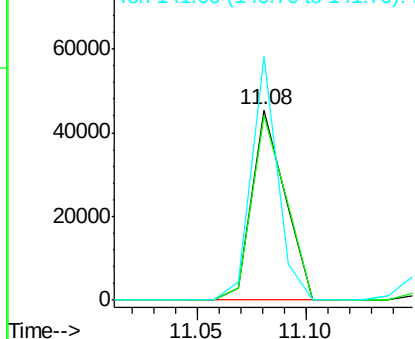


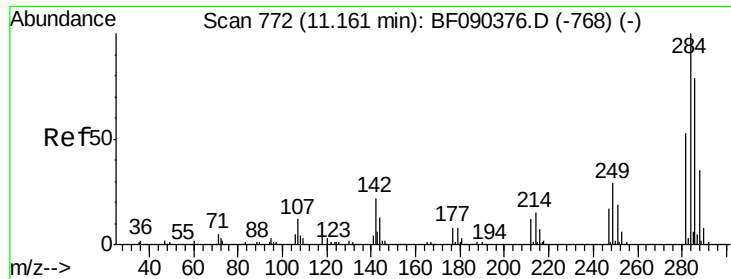
#66
4-Bromophenyl-phenylether
Concen: 5.96 ng
RT: 11.08 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion:248 Resp: 48250
Ion Ratio Lower Upper
248 100
250 97.4 76.5 114.7
141 128.1 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

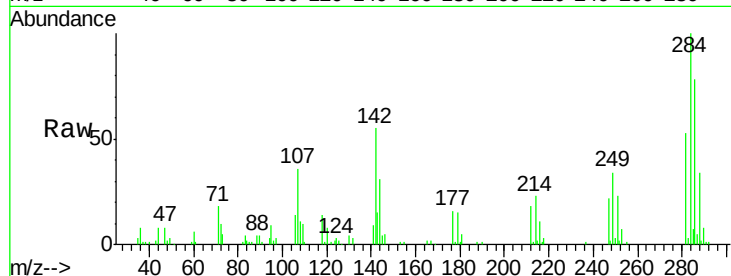




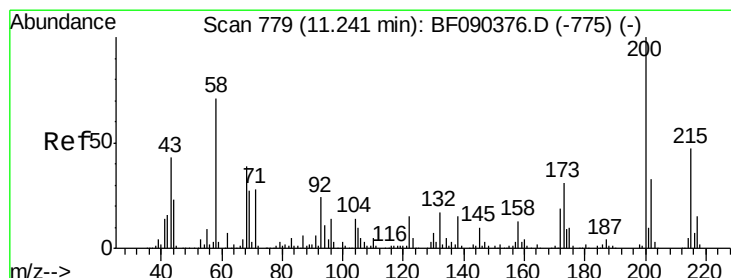
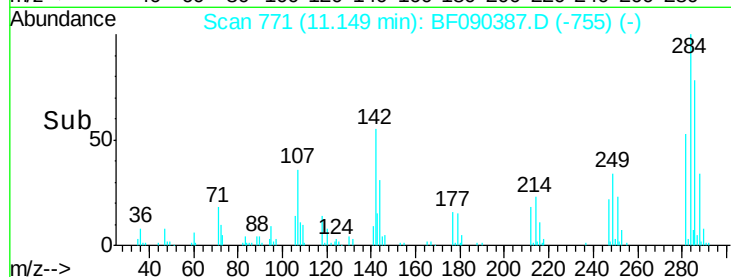
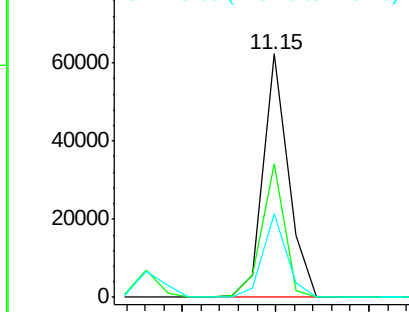
#67
Hexachlorobenzene
Concen: 6.41 ng
RT: 11.15 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

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

Tgt Ion: 284 Resp: 57818
Ion Ratio Lower Upper
284 100
142 54.7 23.1 34.7#
249 34.3 26.3 39.5

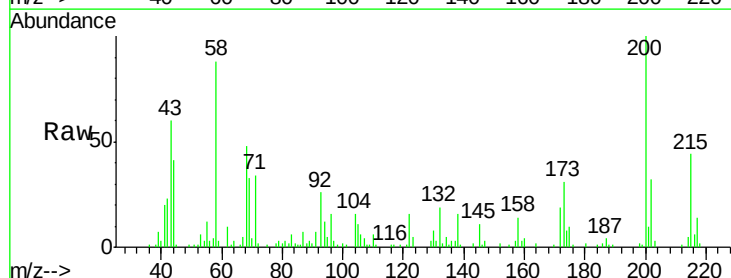


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

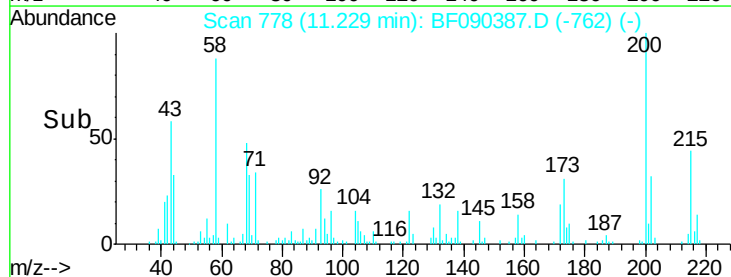
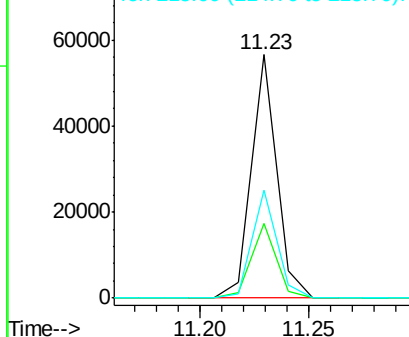


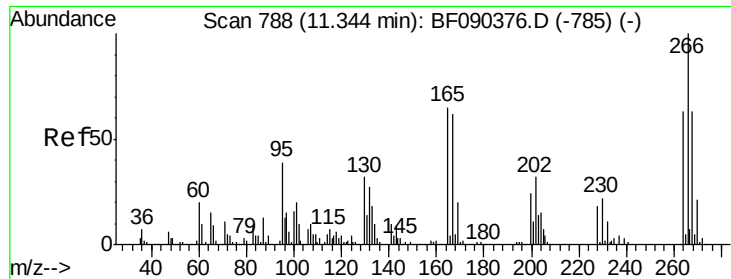
#68
Atrazine
Concen: 6.68 ng
RT: 11.23 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion: 200 Resp: 45630
Ion Ratio Lower Upper
200 100
173 30.8 9.0 49.0
215 44.4 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

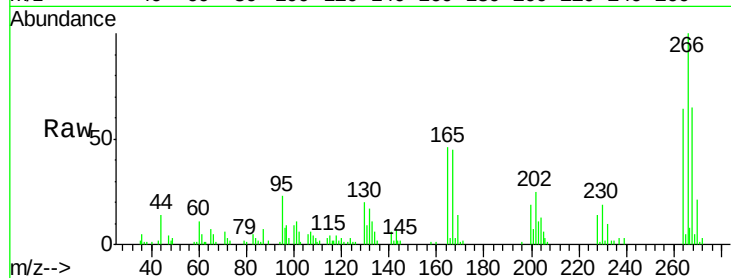




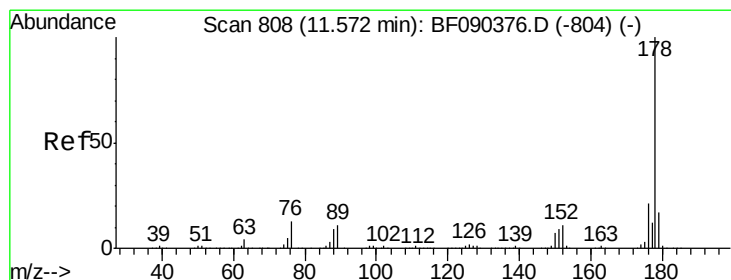
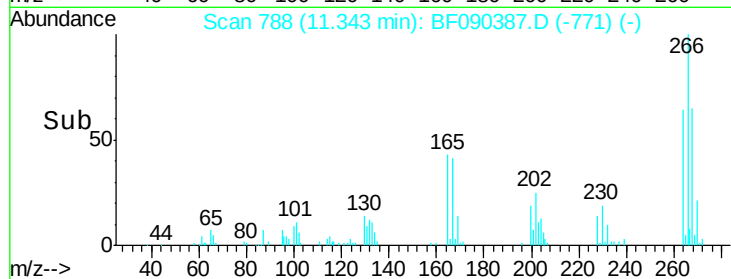
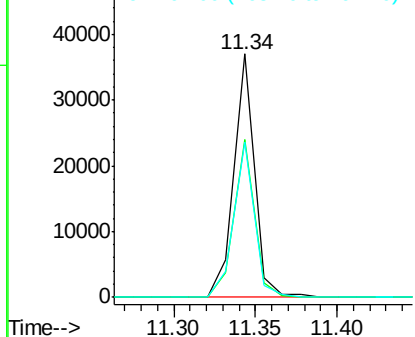
#69
 Pentachlorophenol
 Concen: 5.95 ng
 RT: 11.34 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

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

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.9	76.3
264	63.7	51.5	77.3

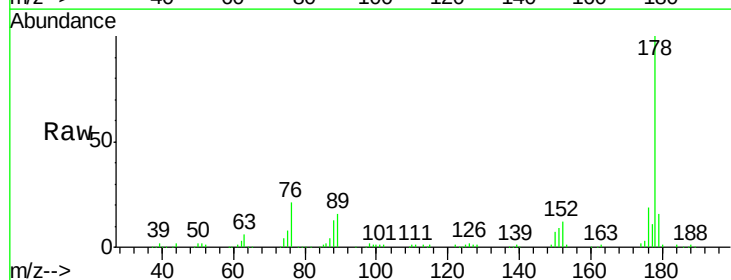


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

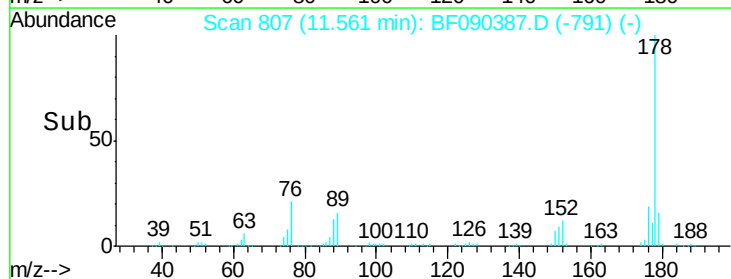
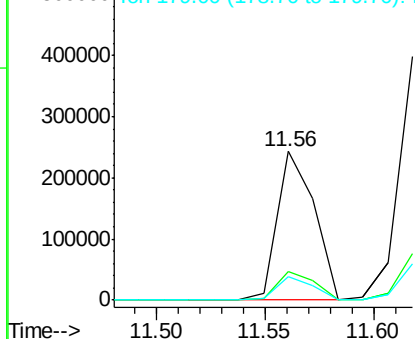


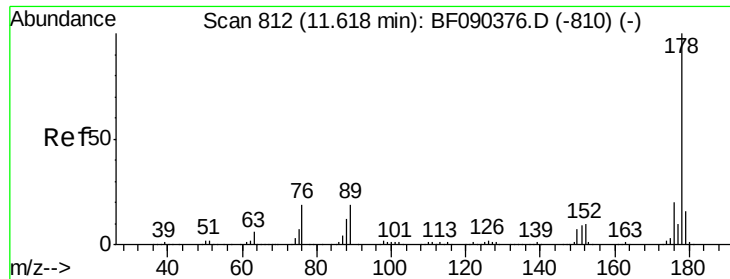
#70
 Phenanthrene
 Concen: 6.85 ng
 RT: 11.56 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	17.3	25.9
179	15.8	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

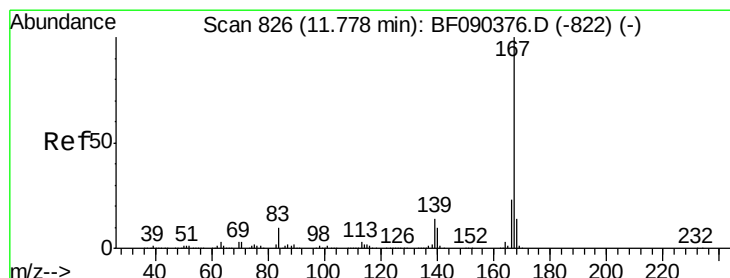
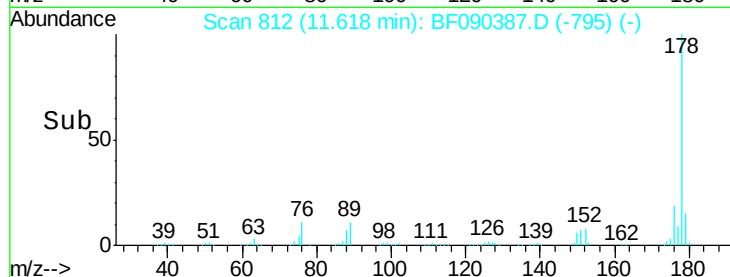
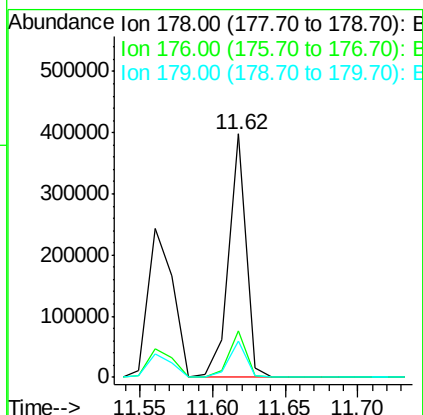
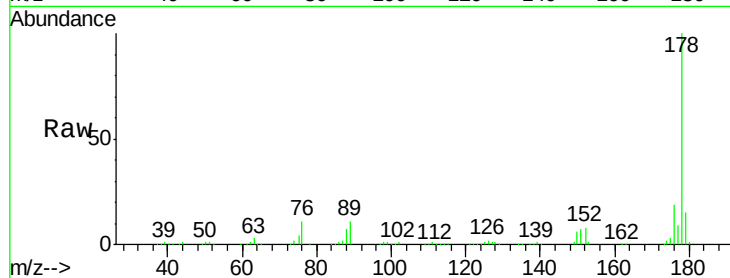




#71
 Anthracene
 Concen: 7.63 ng
 RT: 11.62 min Scan# 812
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

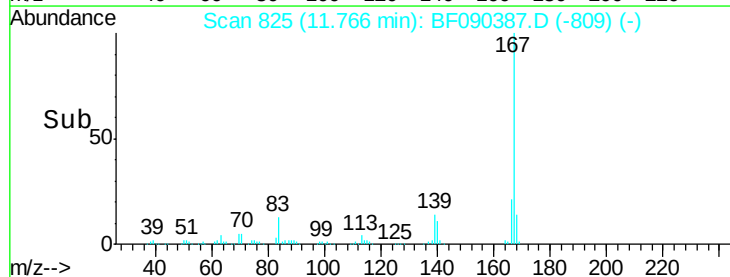
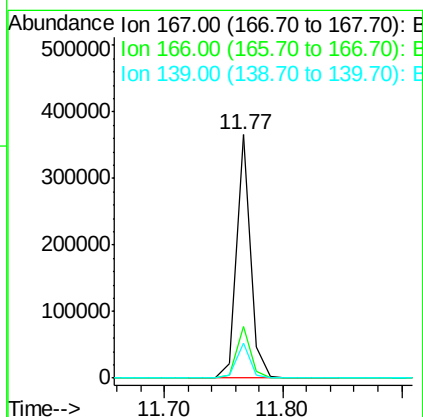
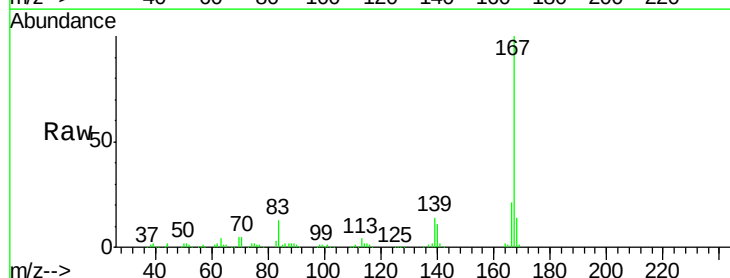
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

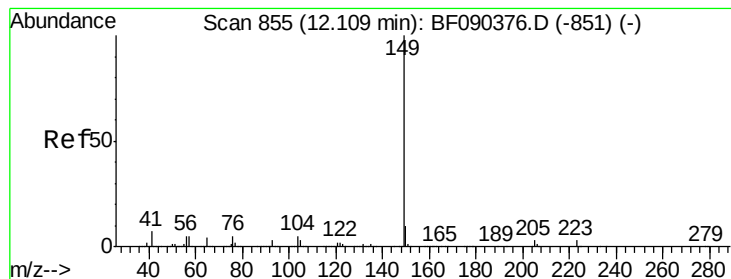
Tgt Ion:178 Resp: 329405
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.8 25.2
 179 14.9 13.4 20.2



#72
 Carbazole
 Concen: 7.51 ng
 RT: 11.77 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion:167 Resp: 301538
 Ion Ratio Lower Upper
 167 100
 166 21.3 19.1 28.7
 139 14.4 12.1 18.1





#73

Di-n-butylphthalate

Concen: 7.23 ng

RT: 12.11 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

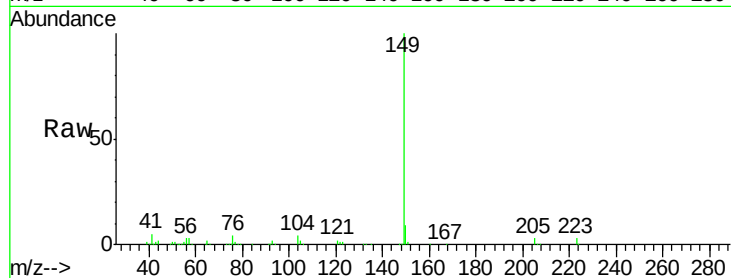
Tgt Ion:149 Resp: 352914

Ion Ratio Lower Upper

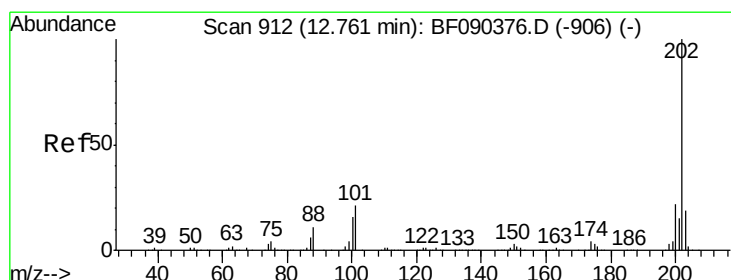
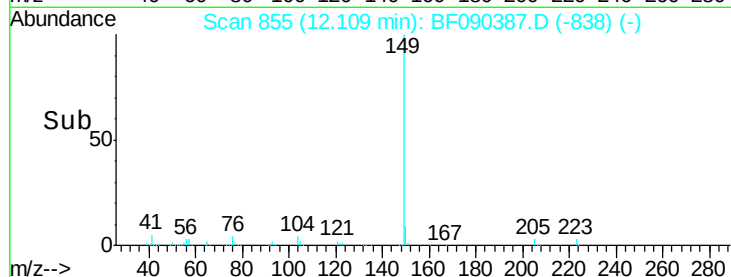
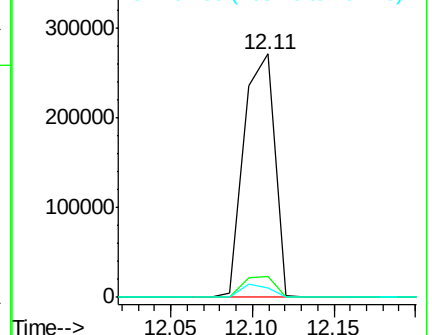
149 100

150 8.6 8.6 12.8

104 3.8 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: 7.05 ng

RT: 12.76 min Scan# 912

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

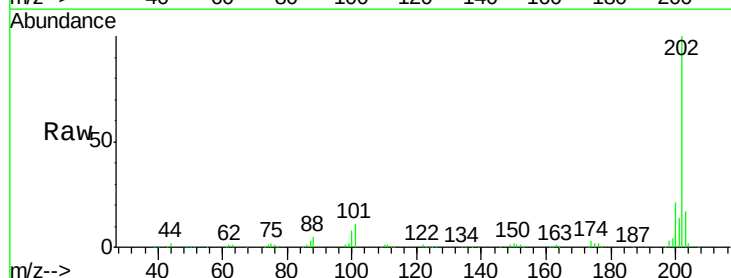
Tgt Ion:202 Resp: 292677

Ion Ratio Lower Upper

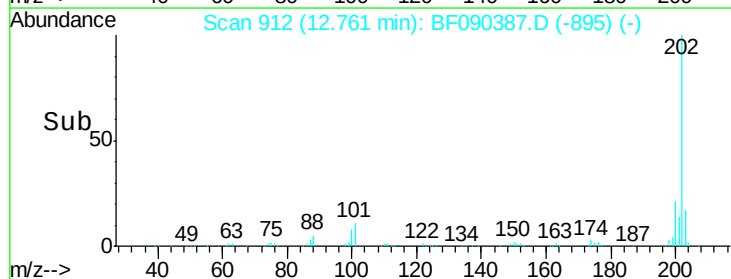
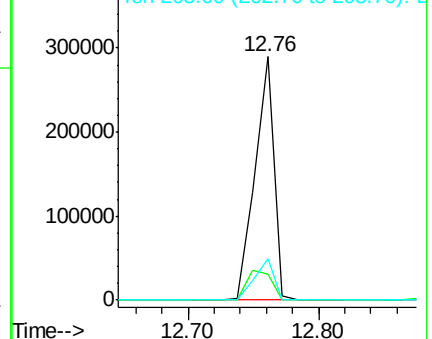
202 100

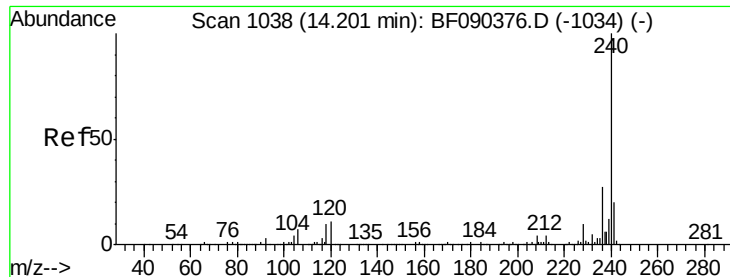
101 10.8 0.0 37.2

203 17.0 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: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

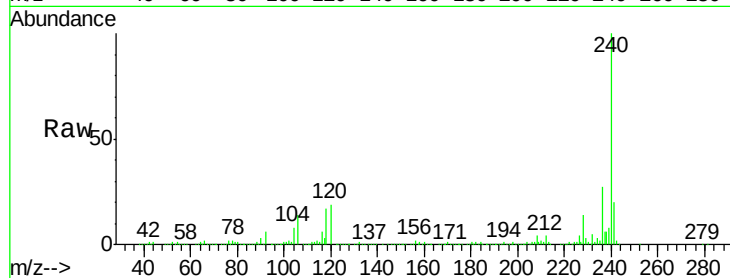
Tgt Ion:240 Resp: 669311

Ion Ratio Lower Upper

240 100

120 19.2 8.6 13.0#

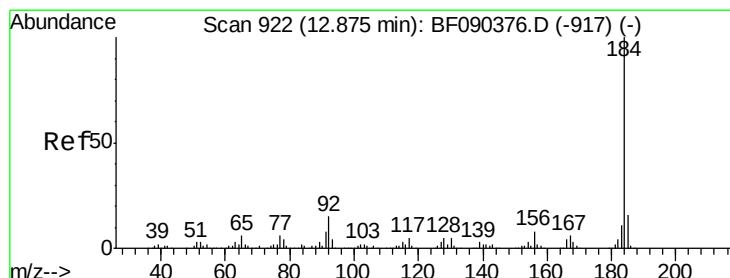
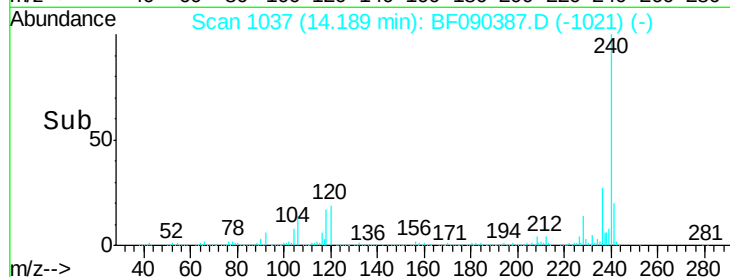
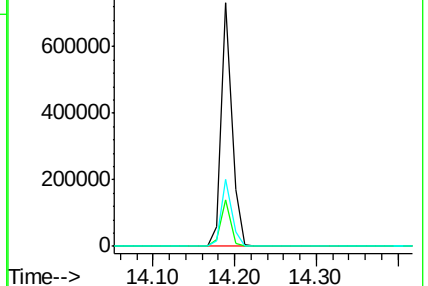
236 27.4 21.6 32.4



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: 7.62 ng

RT: 12.87 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

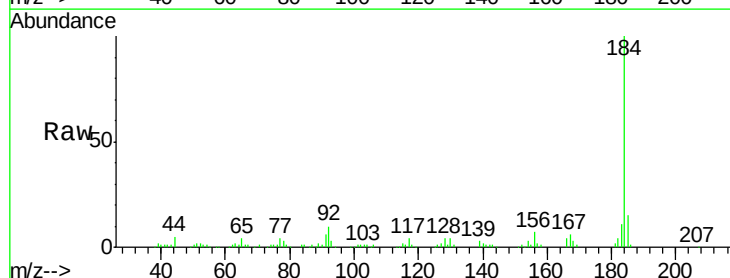
Tgt Ion:184 Resp: 134031

Ion Ratio Lower Upper

184 100

185 15.4 11.8 17.8

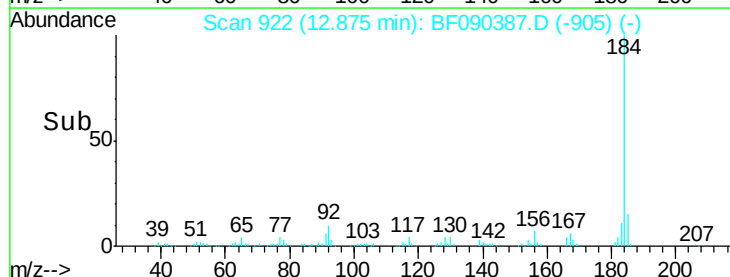
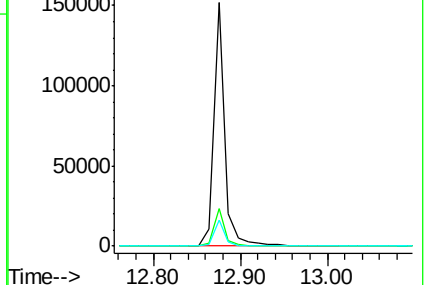
183 10.9 9.6 14.4

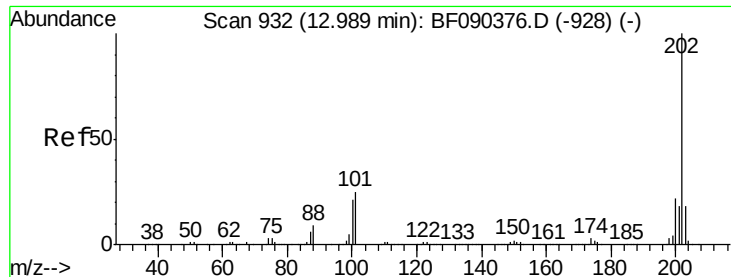


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

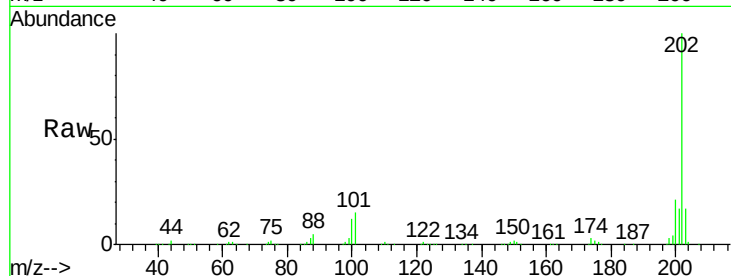




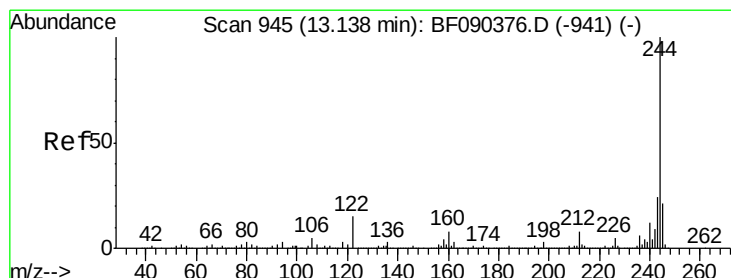
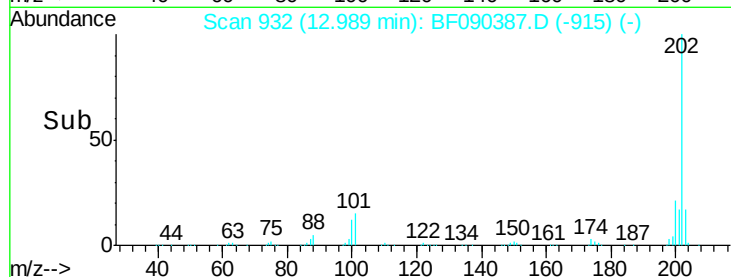
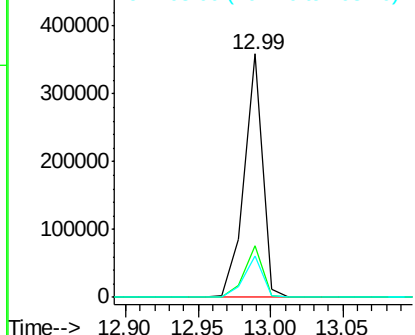
#77
 Pyrene
 Concen: 7.08 ng
 RT: 12.99 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

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

Tgt Ion: 202 Resp: 315792
 Ion Ratio Lower Upper
 202 100
 200 21.0 18.5 27.7
 203 17.2 15.0 22.6

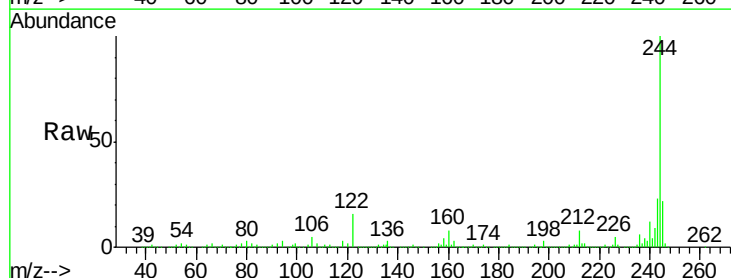


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

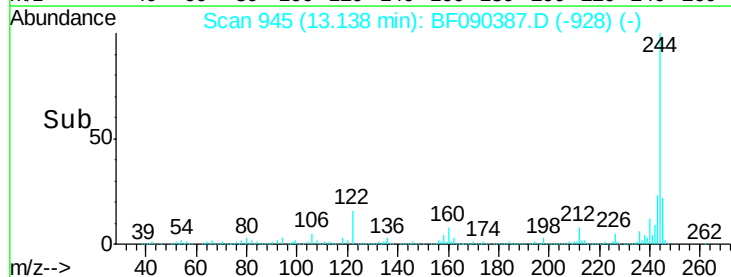
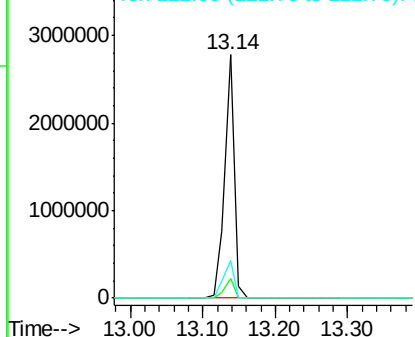


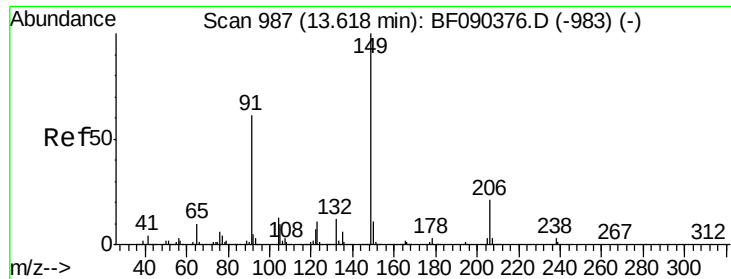
#78
 Terphenyl-d14
 Concen: 85.87 ng
 RT: 13.14 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion: 244 Resp: 2556597
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.8 10.2
 122 15.5 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

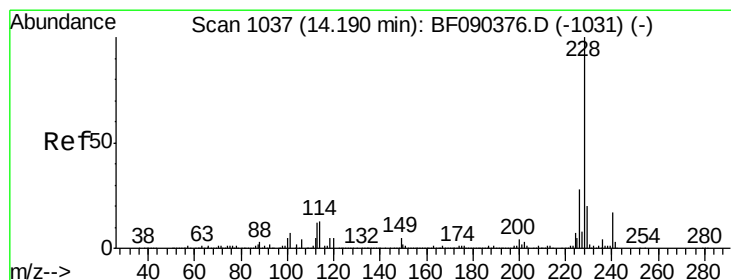
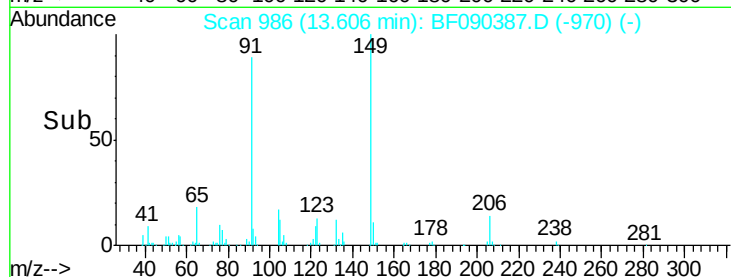
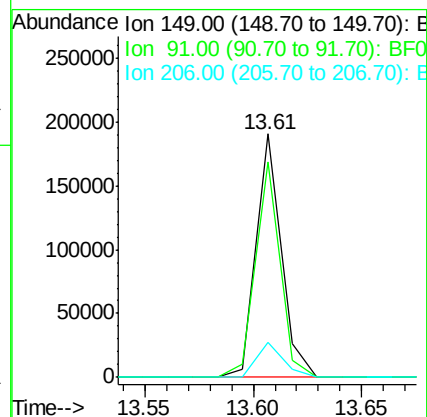
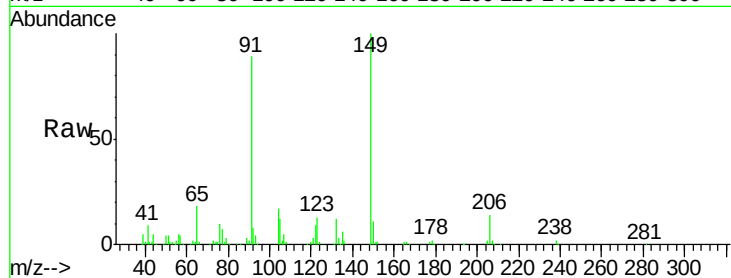




#79
Butylbenzylphthalate
Concen: 6.71 ng
RT: 13.61 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

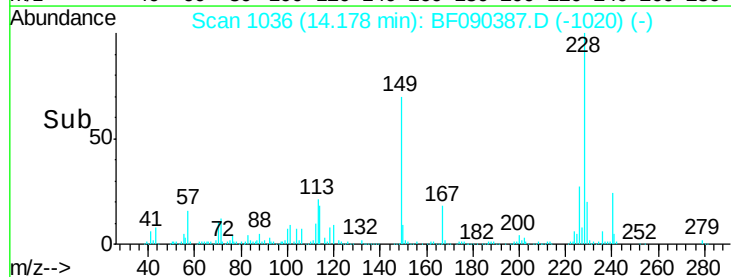
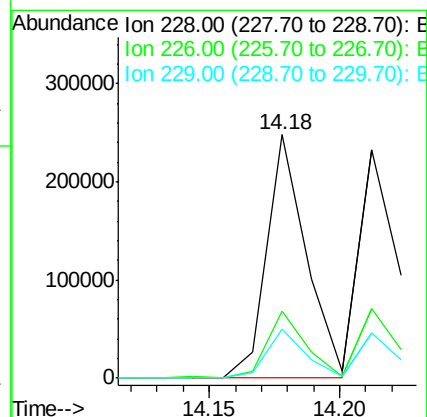
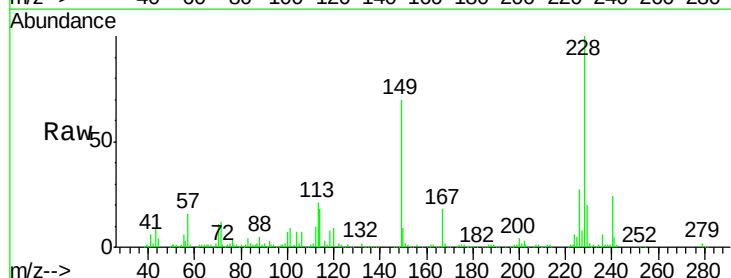
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

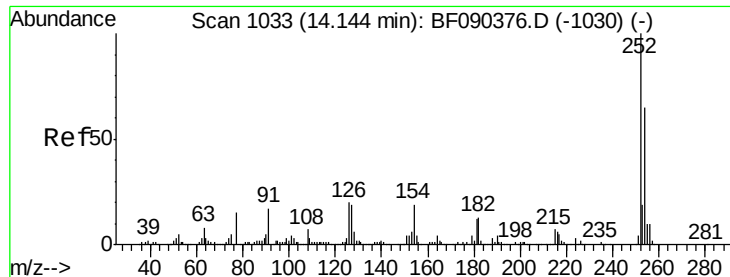
Tgt Ion:149 Resp: 153626
Ion Ratio Lower Upper
149 100
91 88.6 51.8 77.8#
206 14.4 18.0 27.0#



#80
Benzo(a)anthracene
Concen: 6.98 ng
RT: 14.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion:228 Resp: 261941
Ion Ratio Lower Upper
228 100
226 27.4 23.6 35.4
229 20.1 16.6 25.0

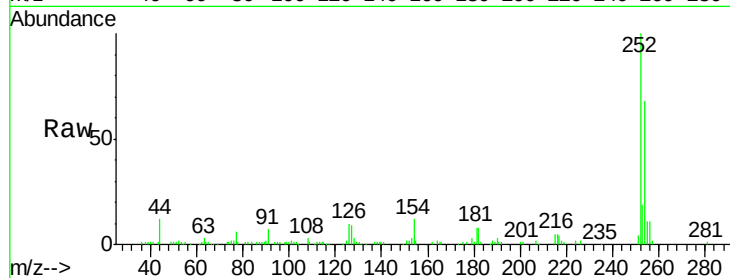




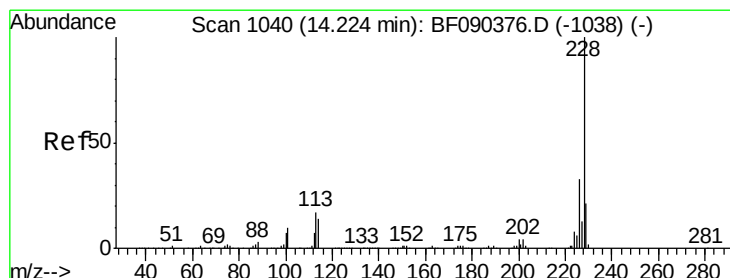
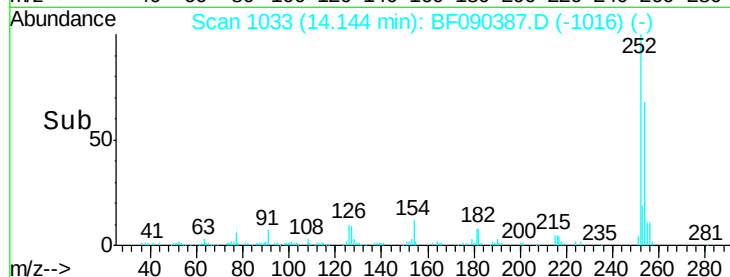
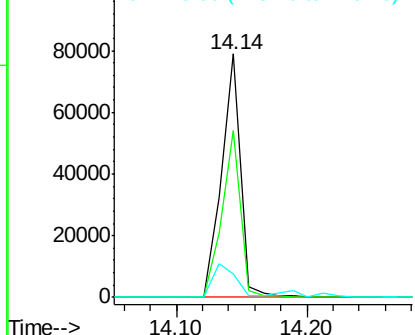
#81
 3,3'-Dichlorobenzidine
 Concen: 5.93 ng
 RT: 14.14 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

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

Tgt Ion:252 Resp: 80684
 Ion Ratio Lower Upper
 252 100
 254 68.4 52.1 78.1
 126 9.5 4.2 6.4#

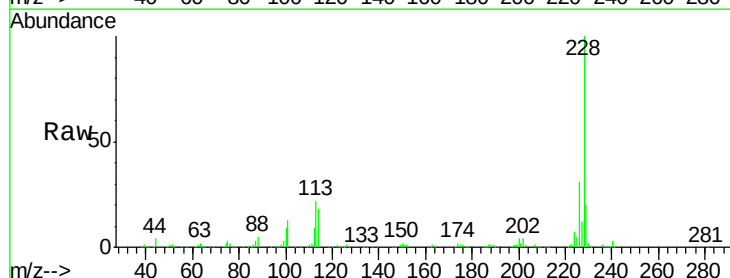


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

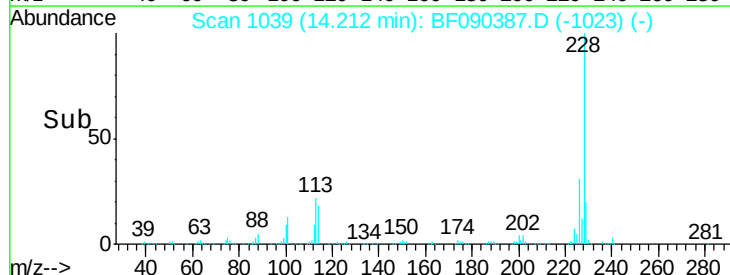
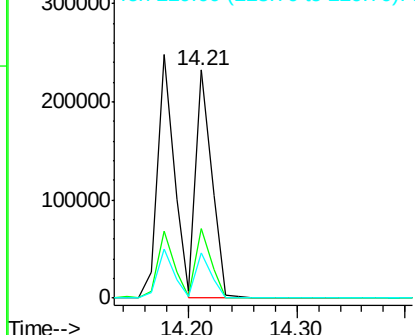


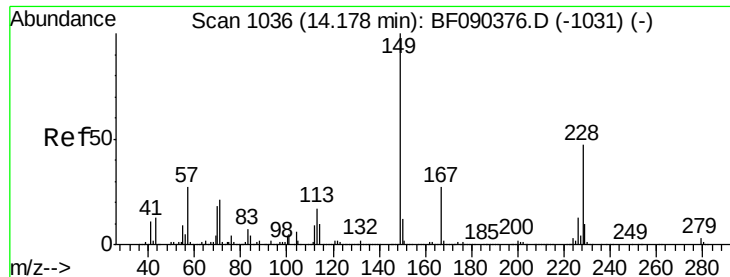
#82
 Chrysene
 Concen: 6.84 ng
 RT: 14.21 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion:228 Resp: 236466
 Ion Ratio Lower Upper
 228 100
 226 30.7 25.8 38.6
 229 20.1 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.85 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

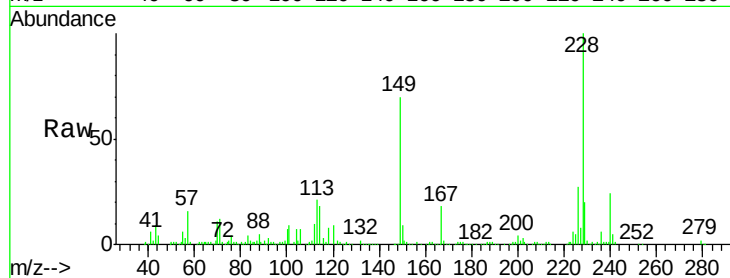
Tgt Ion:149 Resp: 222875

Ion Ratio Lower Upper

149 100

167 26.1 21.5 32.3

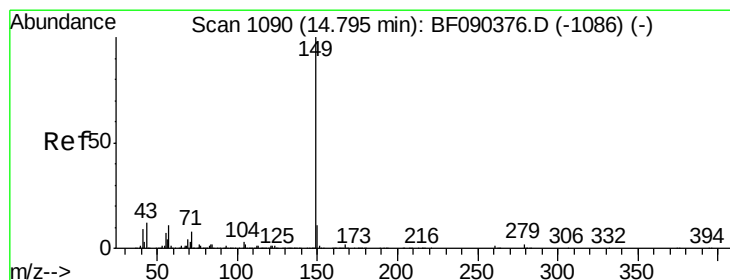
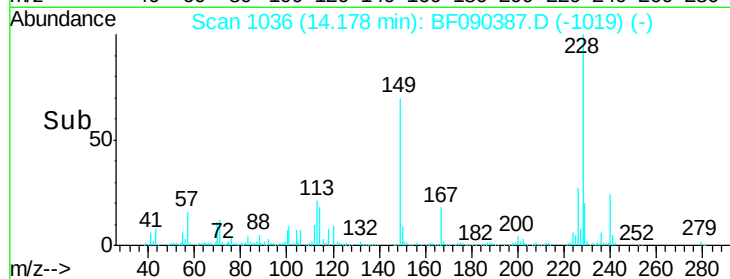
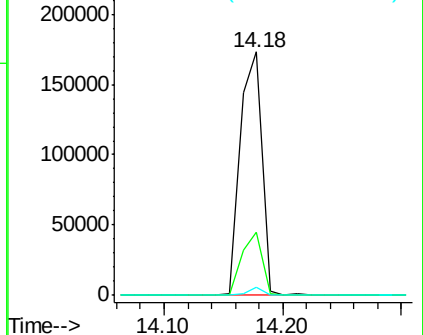
279 3.4 2.6 3.8



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: 7.13 ng

RT: 14.80 min Scan# 1090

Delta R.T. -0.00 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

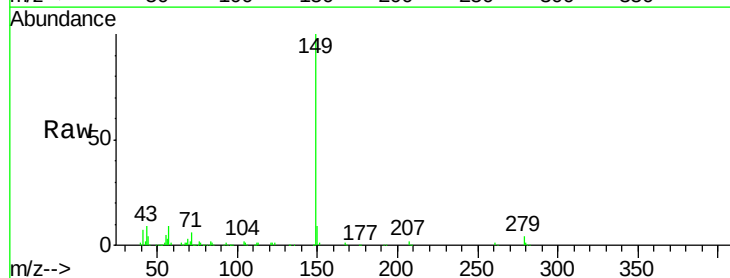
Tgt Ion:149 Resp: 344269

Ion Ratio Lower Upper

149 100

167 1.3 1.3 1.9

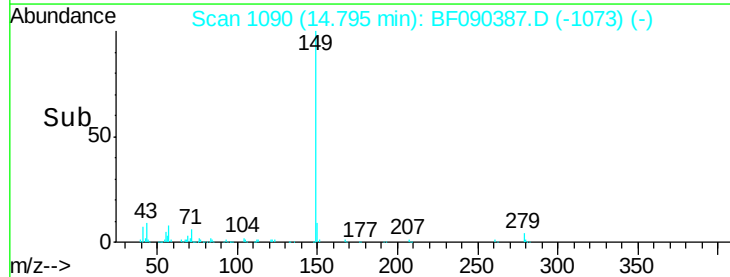
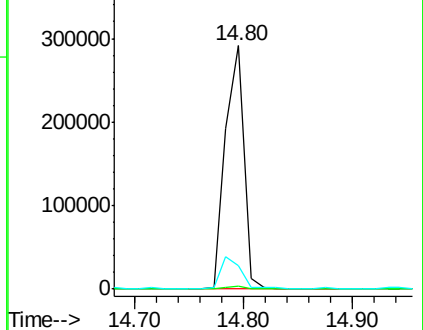
43 13.6 11.8 17.8

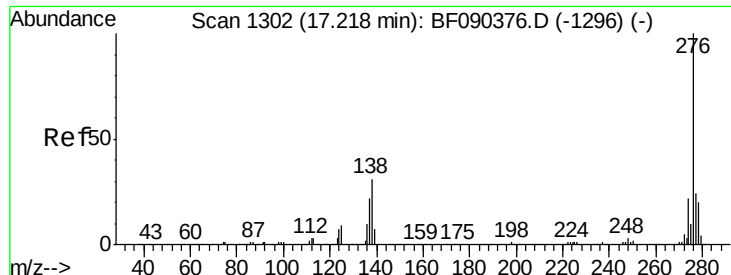


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

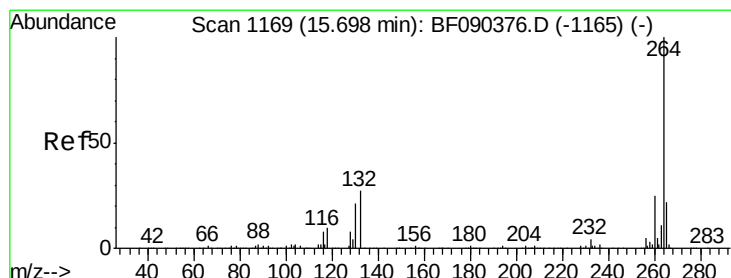
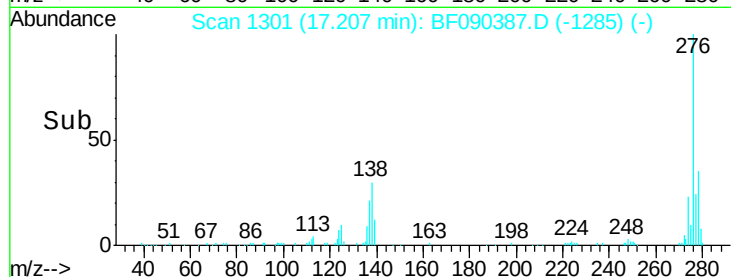
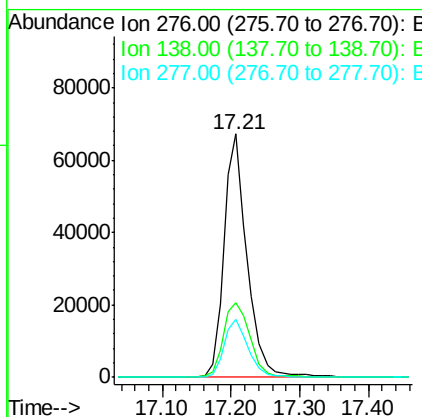
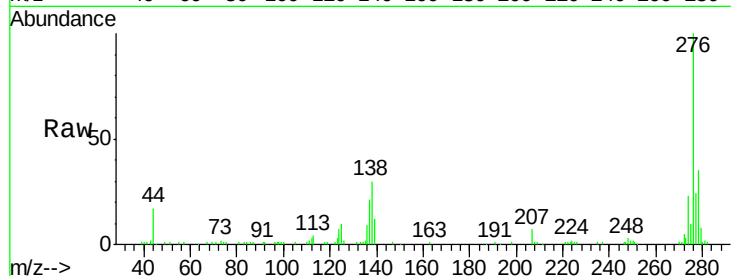




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.41 ng
 RT: 17.21 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

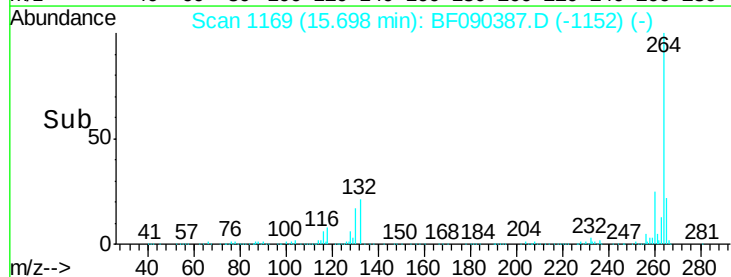
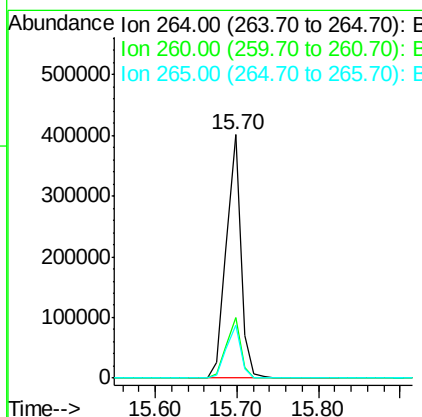
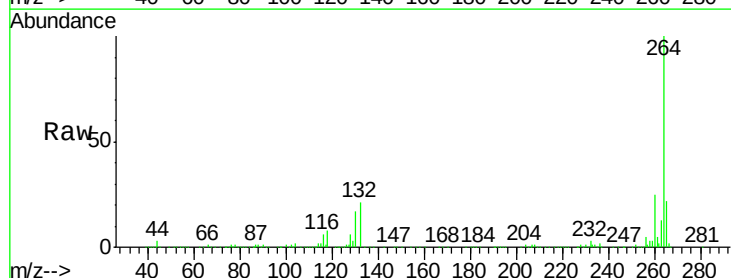
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

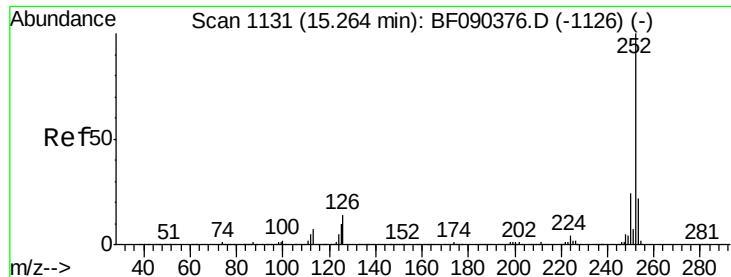
Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.8	23.8	35.8#
277	24.6	20.4	30.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.70 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	21.7	17.4	26.0

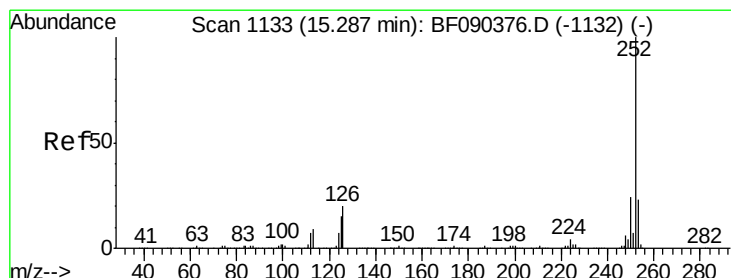
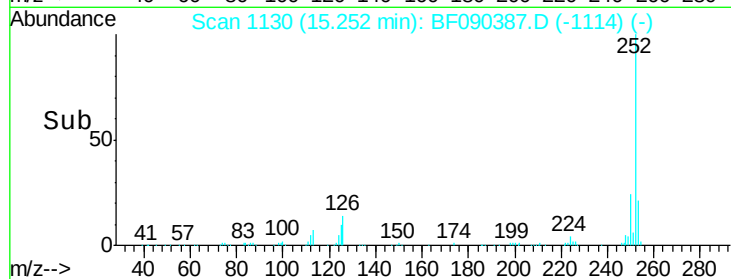
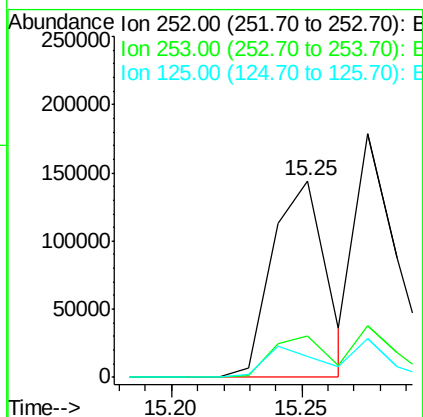
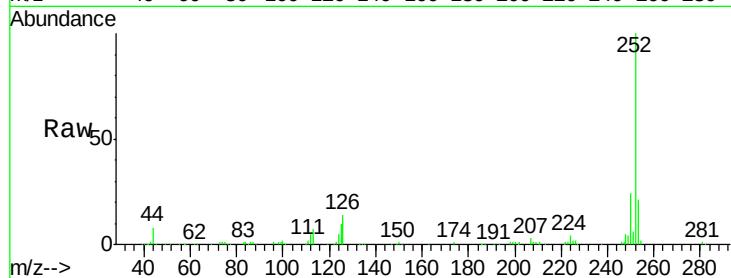




#87
Benzo(b)fluoranthene
Concen: 6.50 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

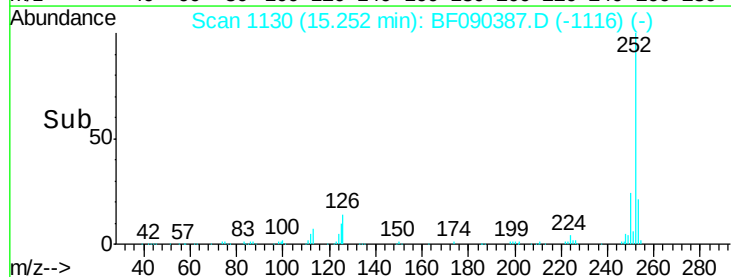
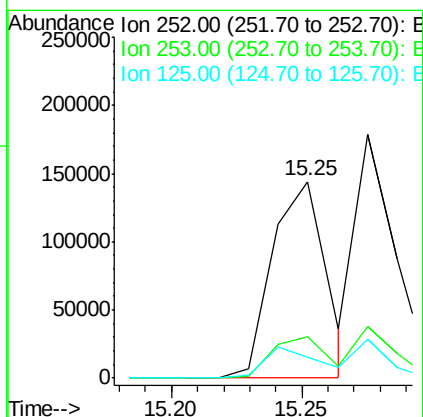
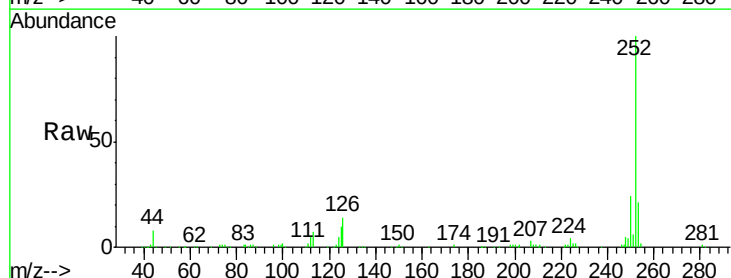
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

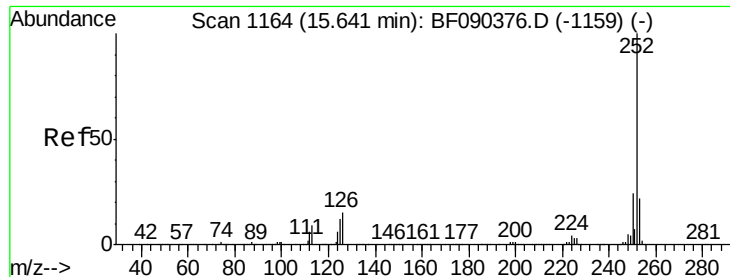
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.2	27.2
125	10.4	7.0	10.4



#88
Benzo(k)fluoranthene
Concen: 6.92 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF090387.D
Acq: 5 Oct 2016 18:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.6	27.8
125	10.4	11.7	17.5#





#89

Benzo(a)pyrene

Concen: 6.34 ng

RT: 15.63 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

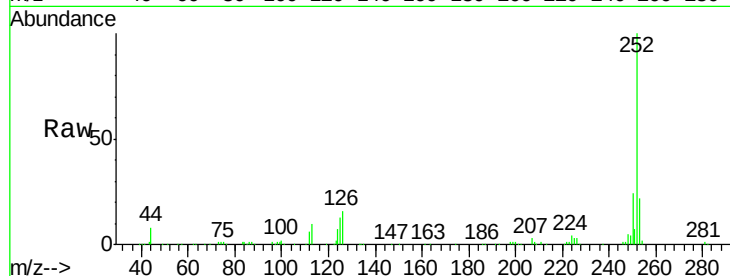
Tgt Ion:252 Resp: 172667

Ion Ratio Lower Upper

252 100

253 21.5 18.2 27.4

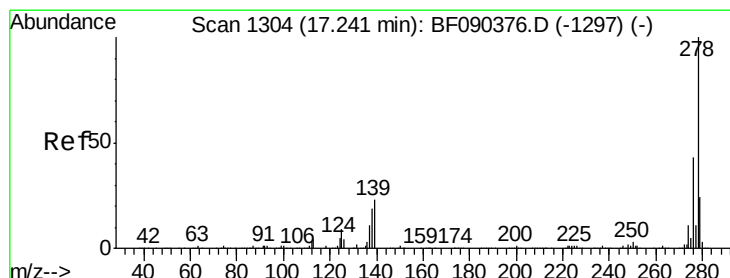
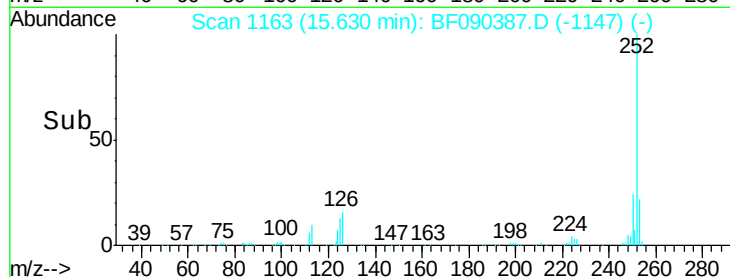
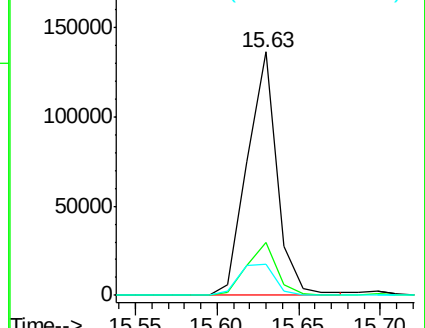
125 12.8 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 5.59 ng

RT: 17.23 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF090387.D

Acq: 5 Oct 2016 18:45

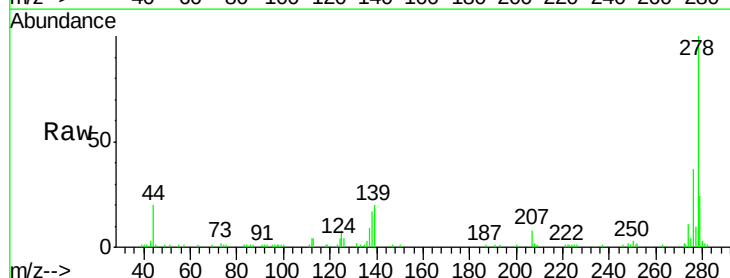
Tgt Ion:278 Resp: 129490

Ion Ratio Lower Upper

278 100

139 19.5 12.8 19.2#

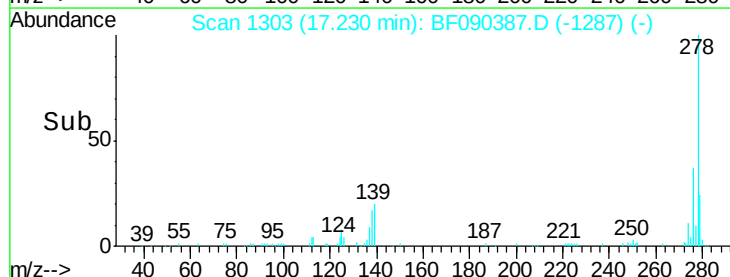
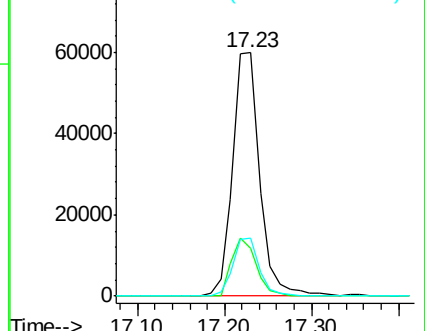
279 23.7 19.6 29.4

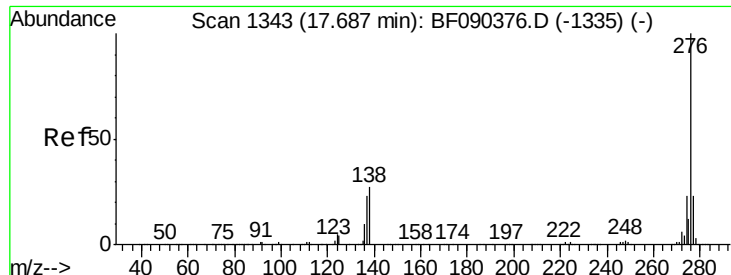


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(g,h,i)perylene
 Concen: 5.54 ng
 RT: 17.66 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: BF090387.D
 Acq: 5 Oct 2016 18:45

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

Tgt Ion:	276	Resp:	123223
Ion Ratio		Lower	Upper
276	100		
277	24.4	19.4	29.0
138	26.3	20.8	31.2

