

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
 Data File : BF090384.D
 Acq On : 5 Oct 2016 16:30
 Operator : UM/SJ
 Sample : H4818-01
 Misc : LOD 1PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Oct 06 01:06:19 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	245556	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1036203	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	529974	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	812768	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	665167	20.00	ng	-0.01
86) Perylene-d12	15.70	264	481589	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	2158273	131.18	ng	0.01
7) Phenol-d6	6.62	99	2442918	113.37	ng	0.00
23) Nitrobenzene-d5	7.56	82	1676749	78.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	562498	130.53	ng	-0.01
44) 2-Fluorobiphenyl	9.37	172	2693523	84.68	ng	-0.01
78) Terphenyl-d14	13.14	244	2580981	87.23	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.84	88	7897	0.97	ng	# 86
4) n-Nitrosodimethylamine	3.49	42	1176	0.13	ng	# 1
6) Aniline	6.66	93	26894	0.90	ng	98
8) 2-Chlorophenol	6.78	128	21624	1.19	ng	90
9) Benzaldehyde	6.54	77	11051	1.01	ng	92
10) Phenol	6.63	94	33395	1.33	ng	# 58
11) bis(2-Chloroethyl)ether	6.73	93	18056	0.94	ng	# 80
12) 1,3-Dichlorobenzene	6.94	146	17007	0.94	ng	# 95
13) 1,4-Dichlorobenzene	7.01	146	16858	0.92	ng	95
14) 1,2-Dichlorobenzene	7.17	146	18742	1.06	ng	96
15) Benzyl Alcohol	7.16	79	45869	2.80	ng	# 42
16) 2,2'-oxybis(1-Chloropropan	7.27	45	32425	1.00	ng	95
17) 2-Methylphenol	7.24	107	13814	0.93	ng	96
18) Hexachloroethane	7.51	117	6264	0.87	ng	# 85
19) n-Nitroso-di-n-propylamine	7.40	70	15652	0.99	ng	# 89
20) 3+4-Methylphenols	7.40	107	19843	1.03	ng	# 53
22) Acetophenone	7.40	105	25258	1.03	ng	# 93
24) Nitrobenzene	7.57	77	24976	1.18	ng	# 86
25) Isophorone	7.81	82	37269	0.96	ng	# 93
26) 2-Nitrophenol	7.90	139	6669	0.73	ng	# 90
27) 2,4-Dimethylphenol	7.93	122	24099	1.36	ng	91
28) bis(2-Chloroethoxy)methane	8.03	93	24265	1.05	ng	# 94
29) 2,4-Dichlorophenol	8.14	162	12087	0.90	ng	93
30) 1,2,4-Trichlorobenzene	8.22	180	12453	0.90	ng	99
31) Naphthalene	8.31	128	49458	0.99	ng	98
32) Benzoic acid	7.93	122	24099	1.96	ng	# 18
33) 4-Chloroaniline	8.35	127	17797	0.86	ng	92
34) Hexachlorobutadiene	8.43	225	6213	0.80	ng	94
35) Caprolactam	8.67	113	3779	0.84	ng	# 77
36) 4-Chloro-3-methylphenol	8.83	107	16235	0.96	ng	99
37) 2-Methylnaphthalene	9.00	142	28972	0.96	ng	99
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	12707	0.91	ng	# 95
40) Hexachlorocyclopentadiene	9.16	237	5267	0.69	ng	97
42) 2,4,6-Trichlorophenol	9.27	196	7948	0.82	ng	94

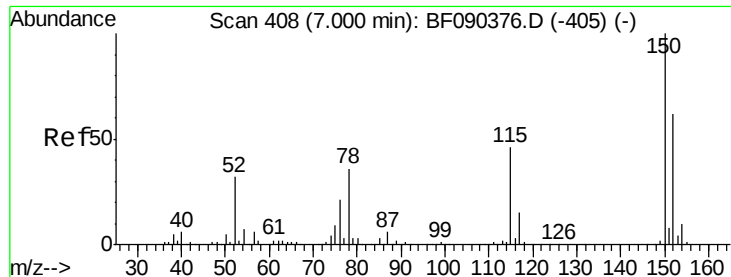
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
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 Acq On : 5 Oct 2016 16:30
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.32	196	6957	0.76	ng	# 89
45) 1,1'-Biphenyl	9.47	154	41577	1.06	ng	94
46) 2-Chloronaphthalene	9.49	162	28886	1.00	ng	98
47) 2-Nitroaniline	9.58	65	9942	0.87	ng	99
48) Acenaphthylene	9.91	152	45092	0.94	ng	# 93
49) Dimethylphthalate	9.75	163	31202	0.92	ng	99
50) 2,6-Dinitrotoluene	9.82	165	6240	0.83	ng	88
51) Acenaphthene	10.09	154	28770	0.96	ng	98
52) 3-Nitroaniline	9.98	138	6854	0.78	ng	# 67
53) 2,4-Dinitrophenol	10.10	184	601	0.18	ng	# 55
54) Dibenzofuran	10.26	168	37607	0.97	ng	99
55) 4-Nitrophenol	10.14	139	5384	0.70	ng	91
56) 2,4-Dinitrotoluene	10.22	165	7849	0.78	ng	# 34
57) Fluorene	10.60	166	32178	0.99	ng	98
58) 2,3,4,6-Tetrachlorophenol	10.37	232	5172	0.76	ng	# 81
59) Diethylphthalate	10.46	149	34280	0.98	ng	# 90
60) 4-Chlorophenyl-phenylether	10.59	204	13785	0.93	ng	# 88
61) 4-Nitroaniline	10.60	138	6333	0.71	ng	97
62) Azobenzene	10.75	77	38615	0.95	ng	86
64) 4,6-Dinitro-2-methylphenol	10.63	198	1481	5.68	ng	84
65) n-Nitrosodiphenylamine	10.70	169	26233	0.96	ng	96
66) 4-Bromophenyl-phenylether	11.08	248	7281	0.91	ng	# 75
67) Hexachlorobenzene	11.15	284	8749	0.99	ng	# 87
68) Atrazine	11.23	200	6419	0.96	ng	98
69) Pentachlorophenol	11.34	266	3311	0.63	ng	91
70) Phenanthrene	11.56	178	44152	1.06	ng	96
71) Anthracene	11.62	178	45185	1.06	ng	95
72) Carbazole	11.77	167	44543	1.13	ng	95
73) Di-n-butylphthalate	12.10	149	50062	1.04	ng	97
74) Fluoranthene	12.76	202	39863	0.98	ng	92
76) Benzidine	12.88	184	61998	3.54	ng	99
77) Pyrene	12.99	202	43112	0.97	ng	96
79) Butylbenzylphthalate	13.61	149	20284	0.89	ng	# 76
80) Benzo(a)anthracene	14.18	228	39189	1.05	ng	96
81) 3,3'-Dichlorobenzidine	14.14	252	11189	0.83	ng	# 97
82) Chrysene	14.21	228	33948	0.99	ng	96
83) Bis(2-ethylhexyl)phthalate	14.18	149	28520	0.88	ng	# 98
84) Di-n-octyl phthalate	14.80	149	43916	0.92	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.21	276	21202	0.87	ng	# 94
87) Benzo(b)fluoranthene	15.25	252	28505	0.93	ng	# 96
88) Benzo(k)fluoranthene	15.25	252	28505	0.99	ng	# 94
89) Benzo(a)pyrene	15.63	252	23543	0.89	ng	97
90) Dibenzo(a,h)anthracene	17.23	278	17403	0.77	ng	95
91) Benzo(g,h,i)perylene	17.65	276	16591	0.77	ng	95

(#) = 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: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

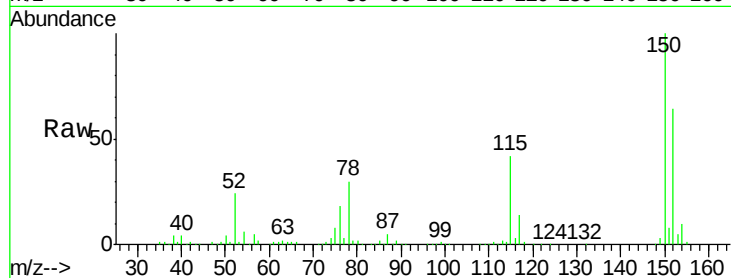
Tgt Ion:152 Resp: 245556

Ion Ratio Lower Upper

152 100

150 157.2 124.6 186.8

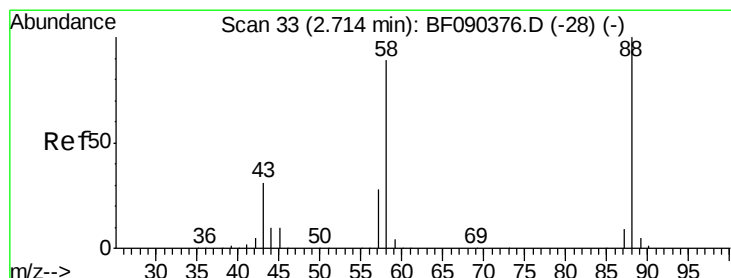
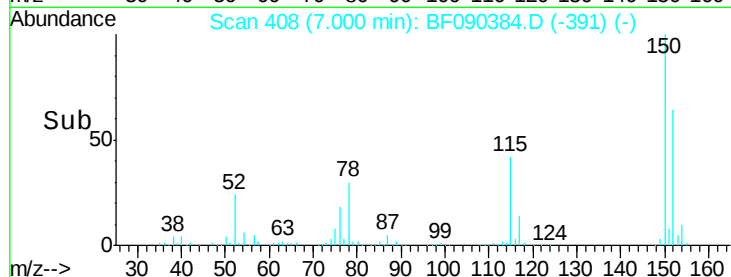
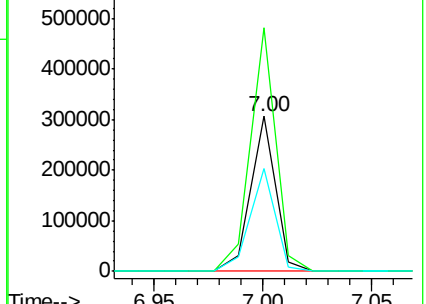
115 66.2 46.2 69.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.97 ng

RT: 2.84 min Scan# 44

Delta R.T. 0.13 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

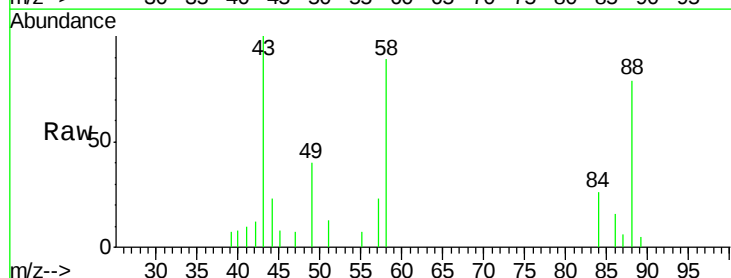
Tgt Ion: 88 Resp: 7897

Ion Ratio Lower Upper

88 100

58 77.1 71.2 106.8

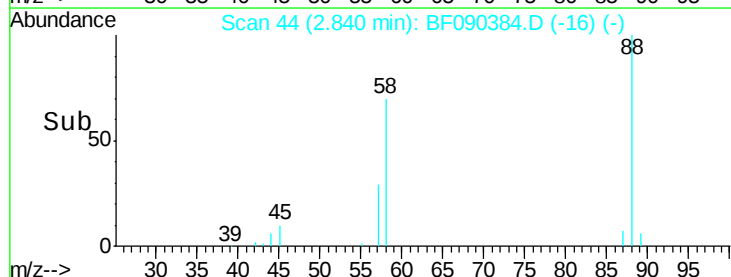
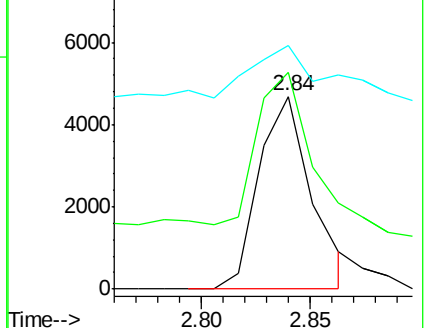
43 26.0 29.8 44.6#

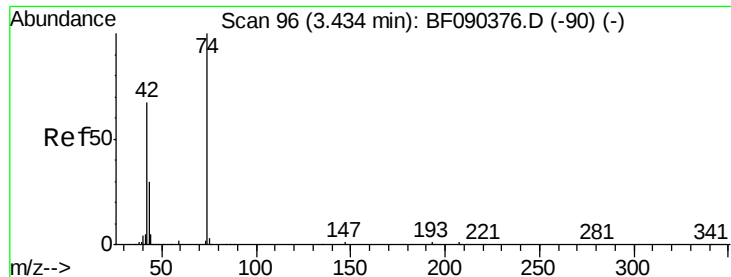


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#4

n-Nitrosodimethylamine

Concen: 0.13 ng

RT: 3.49 min Scan# 101

Delta R.T. 0.06 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

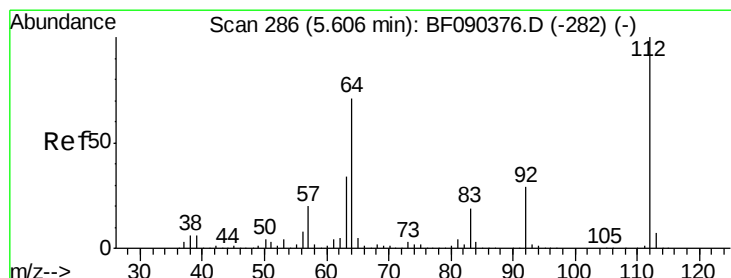
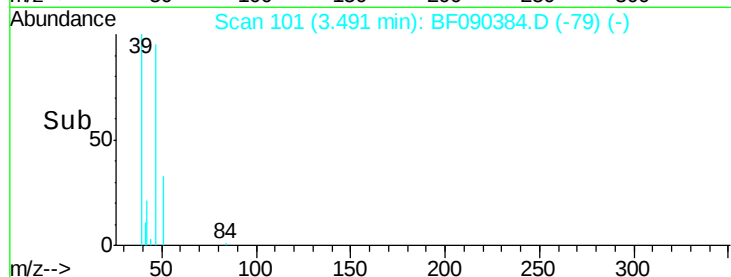
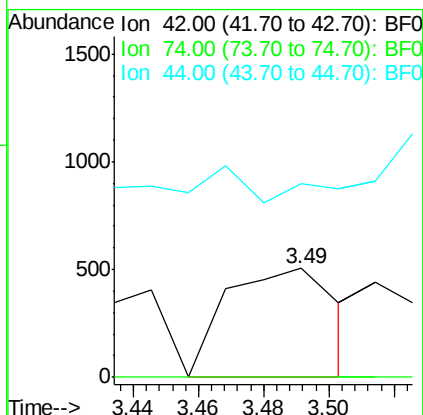
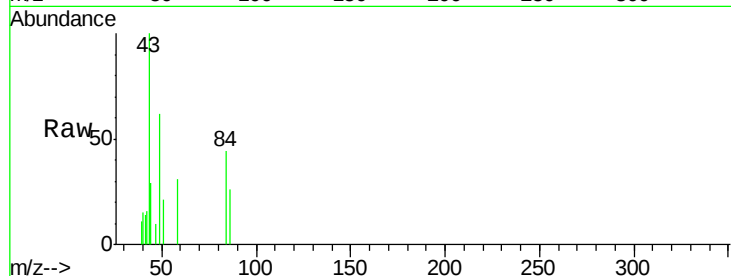
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	42	Resp:	1176
Ion	Ratio	Lower	Upper
42	100		
74	0.0	88.9	133.3#
44	178.8	6.5	9.7#



#5

2-Fluorophenol

Concen: 131.18 ng

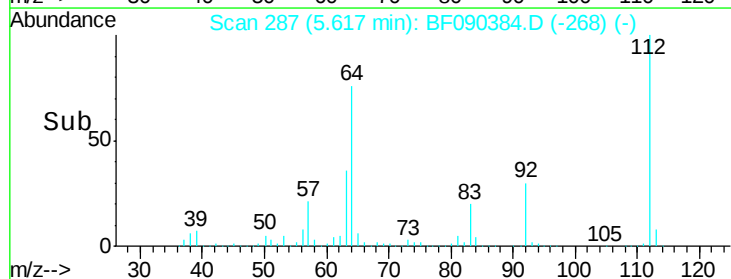
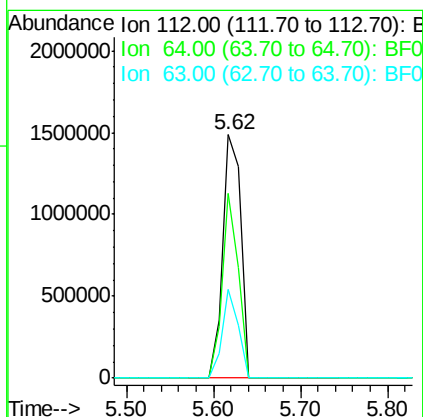
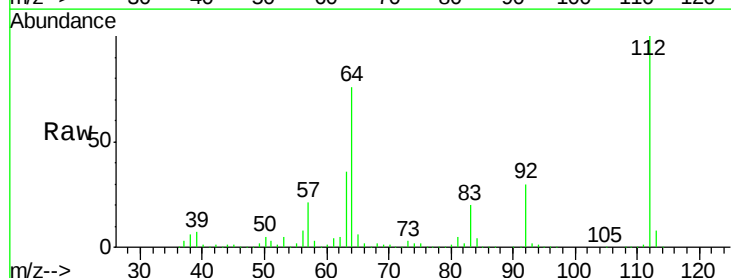
RT: 5.62 min Scan# 287

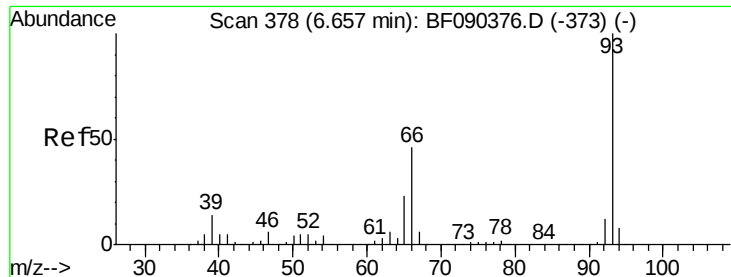
Delta R.T. 0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Tgt Ion:	112	Resp:	2158273
Ion	Ratio	Lower	Upper
112	100		
64	75.6	57.9	86.9
63	36.3	29.6	44.4





#6

Aniline

Concen: 0.90 ng

RT: 6.66 min Scan# 378

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

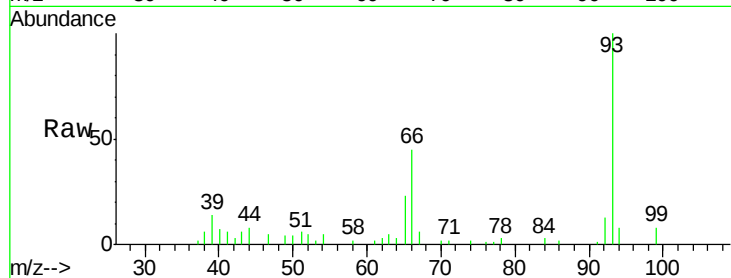
Tgt Ion: 93 Resp: 26894

Ion Ratio Lower Upper

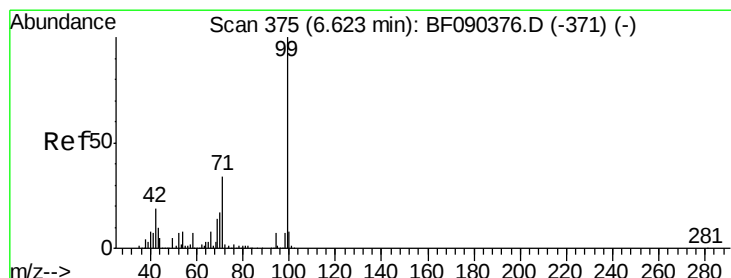
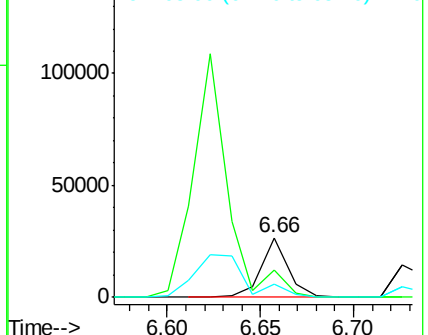
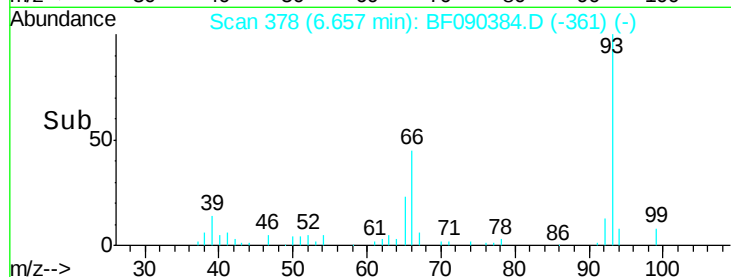
93 100

66 45.3 34.5 51.7

65 22.6 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: 113.37 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

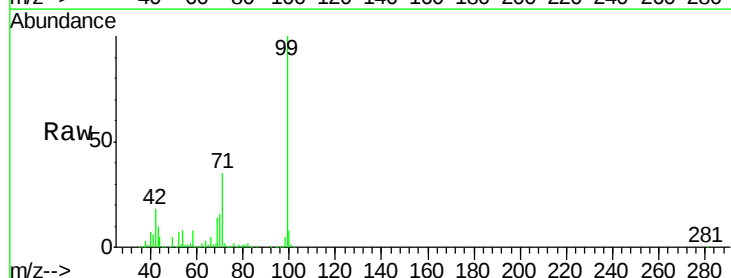
Tgt Ion: 99 Resp: 2442918

Ion Ratio Lower Upper

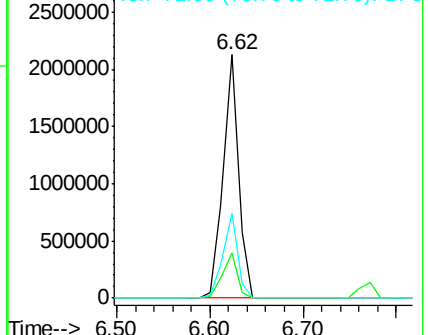
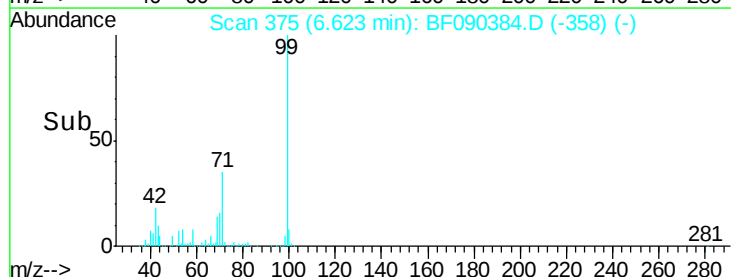
99 100

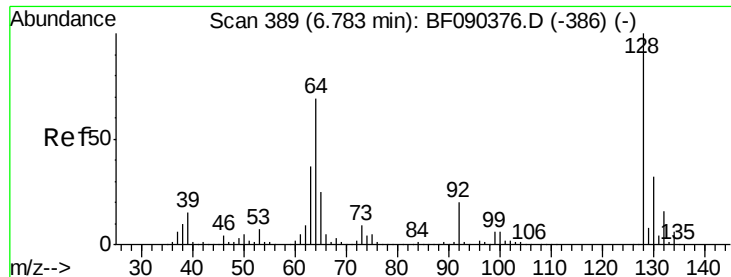
42 18.3 20.0 30.0#

71 34.8 27.9 41.9



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0

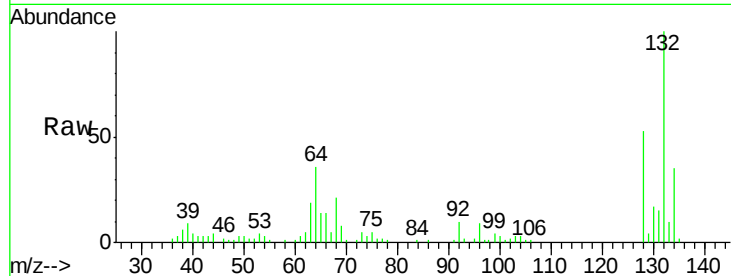




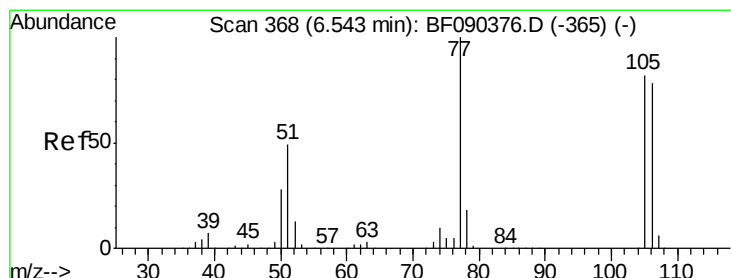
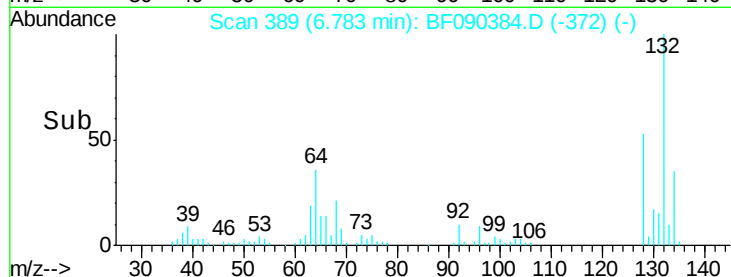
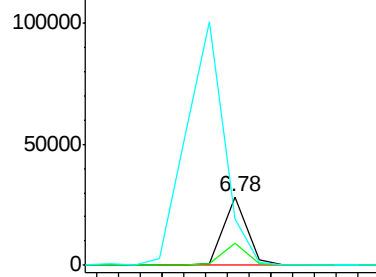
#8
2-Chlorophenol
Concen: 1.19 ng
RT: 6.78 min Scan# 389
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion: 128 Resp: 21624
Ion Ratio Lower Upper
128 100
130 31.7 13.3 53.3
64 66.9 36.0 76.0

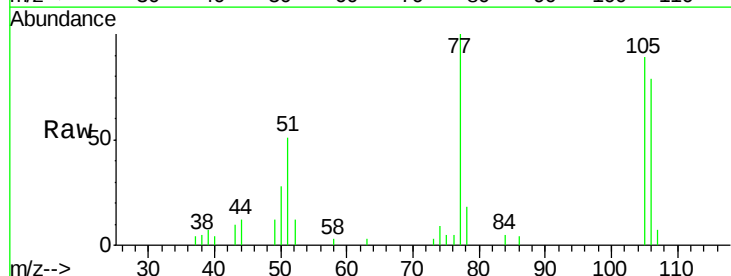


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

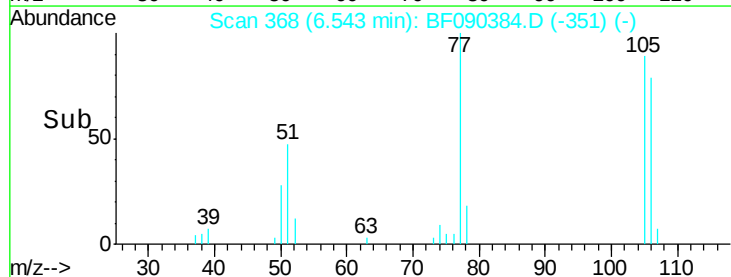
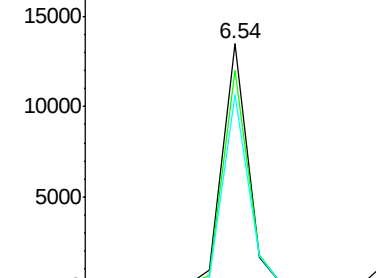


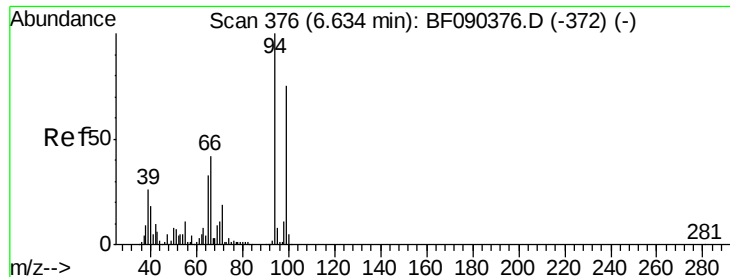
#9
Benzaldehyde
Concen: 1.01 ng
RT: 6.54 min Scan# 368
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 77 Resp: 11051
Ion Ratio Lower Upper
77 100
105 88.9 73.1 113.1
106 79.1 70.2 110.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 1.33 ng

RT: 6.63 min Scan# 376

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

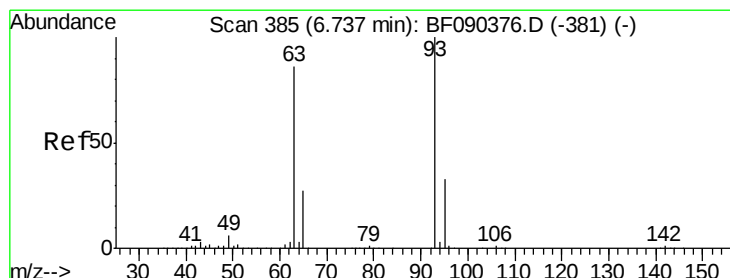
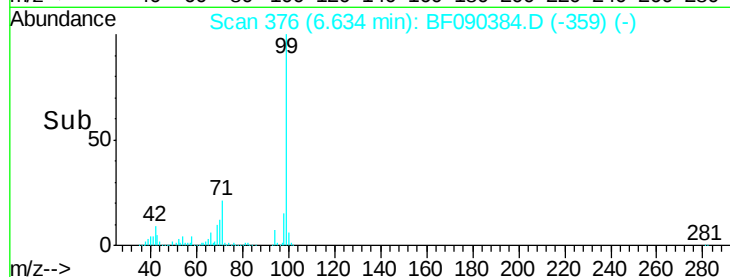
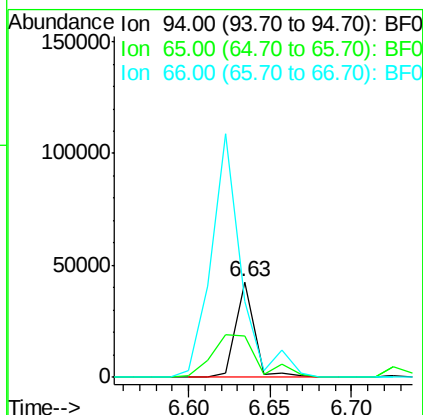
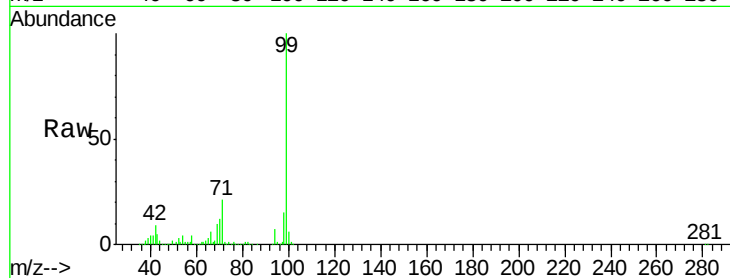
Tgt Ion: 94 Resp: 33395

Ion Ratio Lower Upper

94 100

65 42.6 13.3 53.3

66 79.4 20.4 60.4#



#11

bis(2-Chloroethyl)ether

Concen: 0.94 ng

RT: 6.73 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

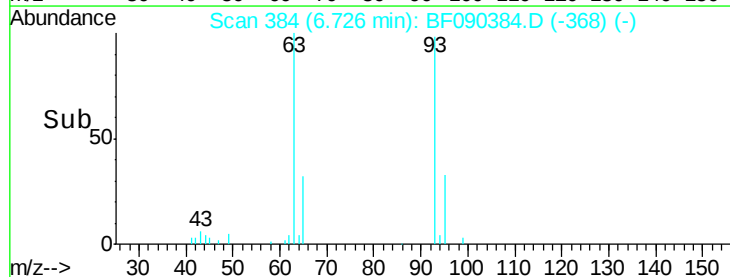
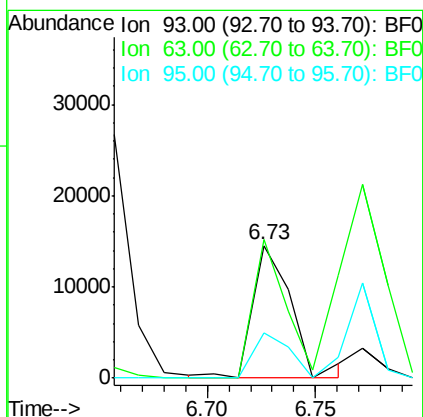
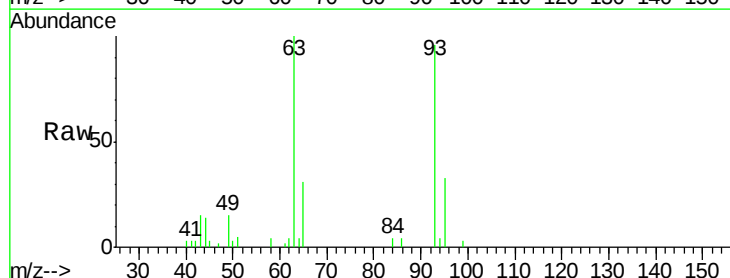
Tgt Ion: 93 Resp: 18056

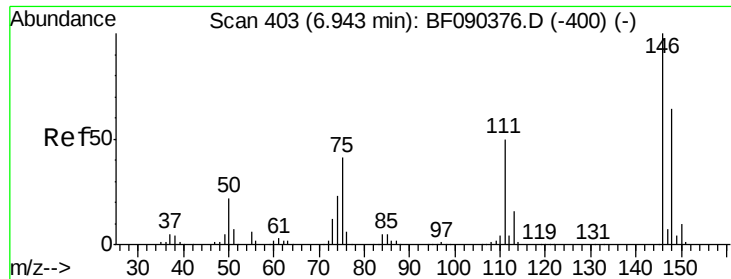
Ion Ratio Lower Upper

93 100

63 104.4 59.7 99.7#

95 34.0 14.0 54.0

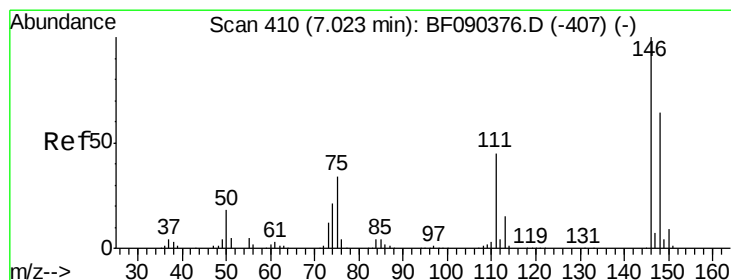
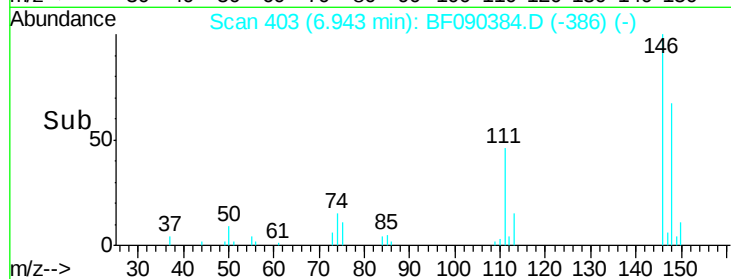
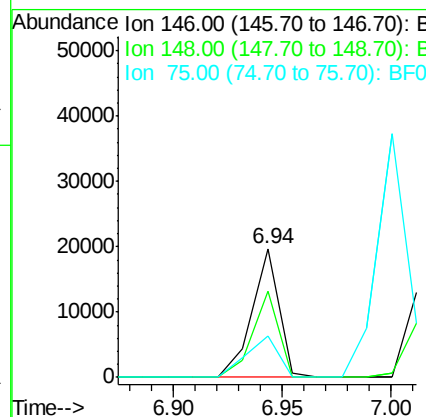
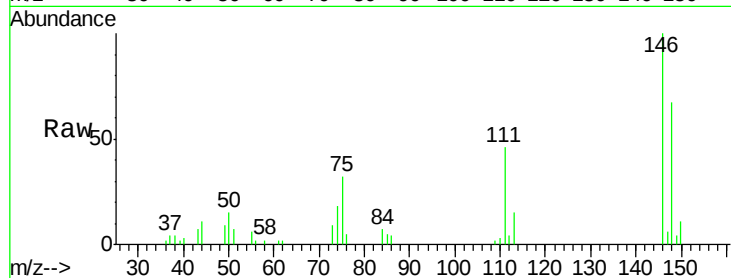




#12
 1,3-Dichlorobenzene
 Concen: 0.94 ng
 RT: 6.94 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

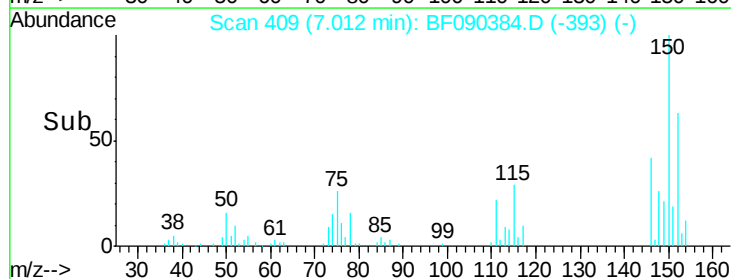
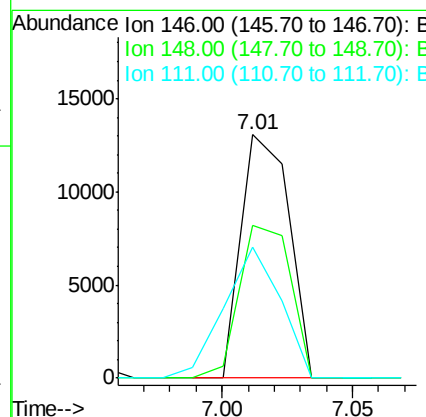
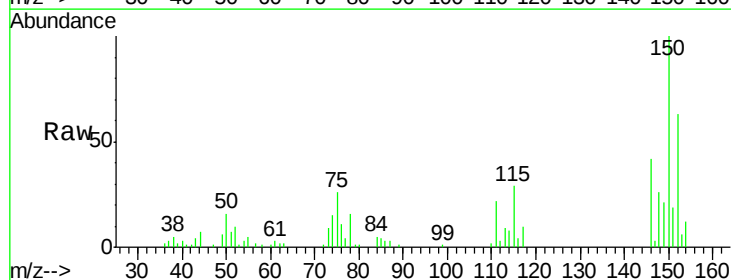
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

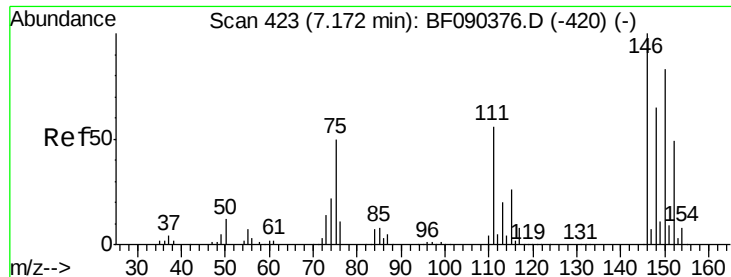
Tgt Ion:146 Resp: 17007
 Ion Ratio Lower Upper
 146 100
 148 67.2 52.2 78.4
 75 32.4 21.4 32.2#



#13
 1,4-Dichlorobenzene
 Concen: 0.92 ng
 RT: 7.01 min Scan# 409
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:146 Resp: 16858
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.1 76.7
 111 53.8 37.8 56.6

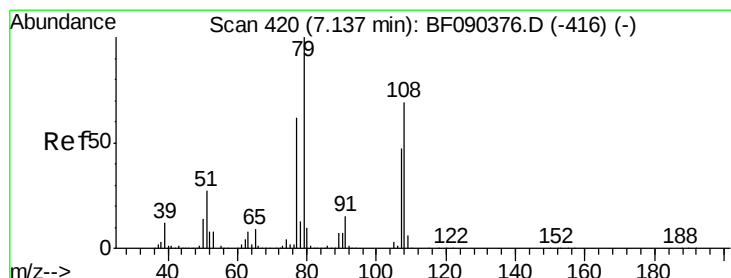
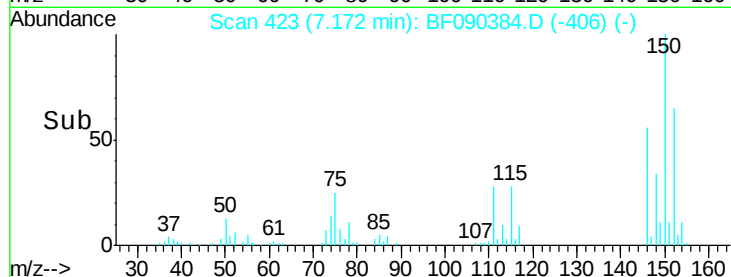
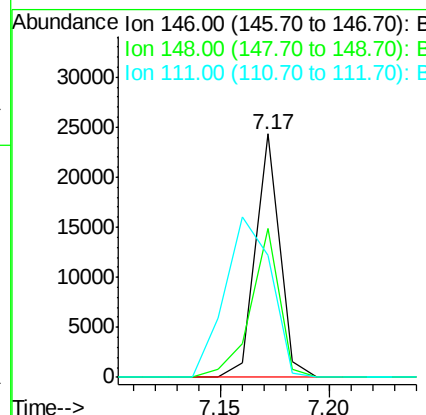
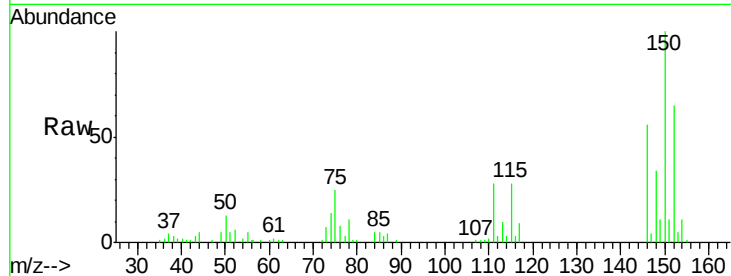




#14
1,2-Dichlorobenzene
Concen: 1.06 ng
RT: 7.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

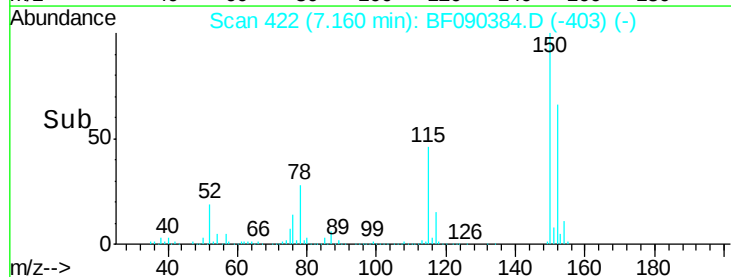
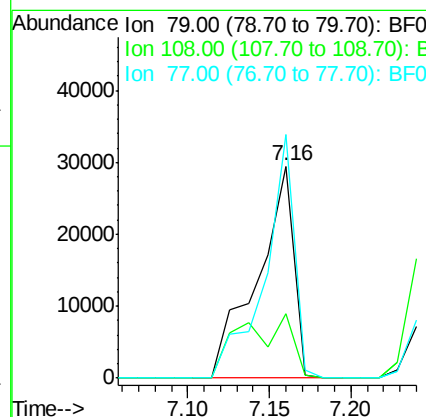
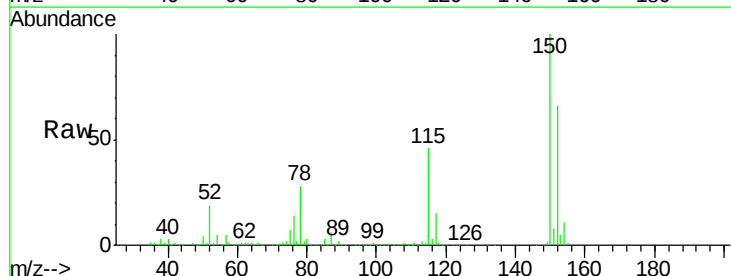
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

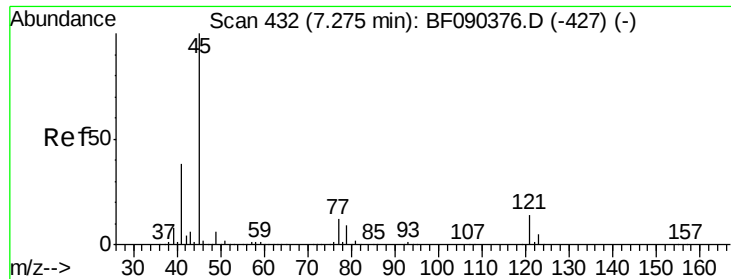
Tgt Ion:146 Resp: 18742
Ion Ratio Lower Upper
146 100
148 61.4 52.3 78.5
111 50.1 38.2 57.4



#15
Benzyl Alcohol
Concen: 2.80 ng
RT: 7.16 min Scan# 422
Delta R.T. 0.02 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 79 Resp: 45869
Ion Ratio Lower Upper
79 100
108 30.3 60.9 91.3#
77 114.7 51.5 77.3#

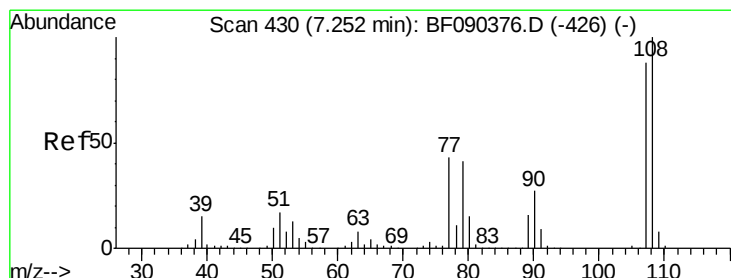
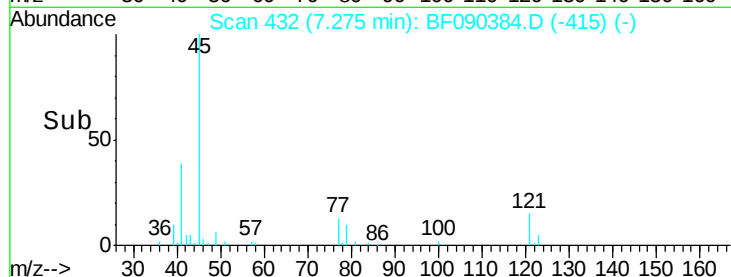
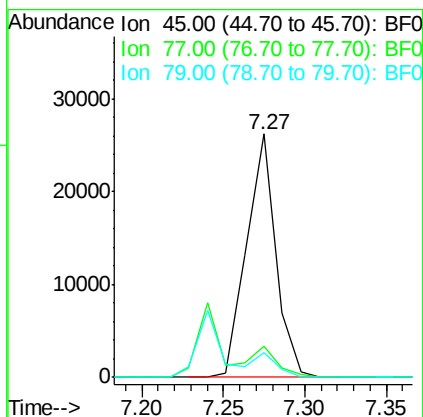
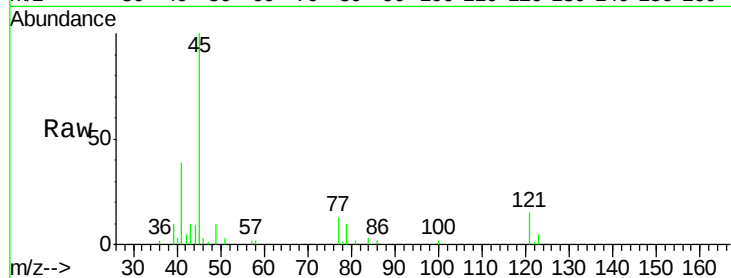




#16
2,2'-oxybis(1-chloropropane)
Concen: 1.00 ng
RT: 7.27 min Scan# 432
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

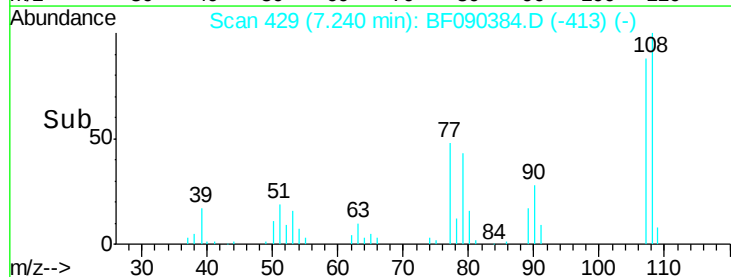
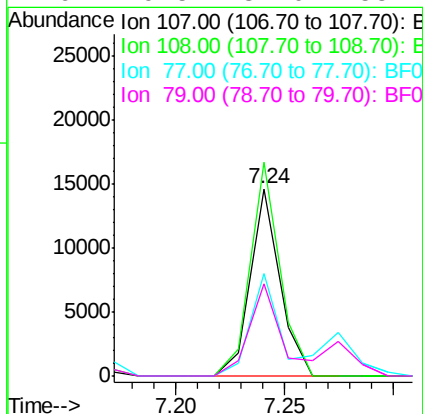
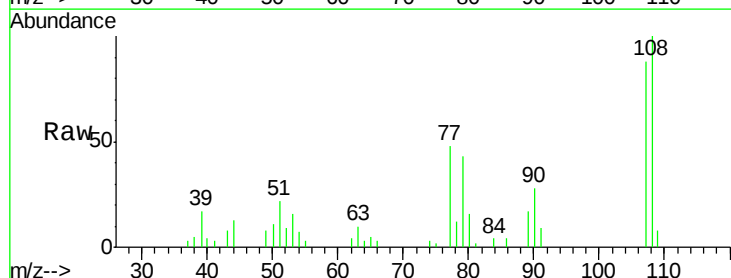
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

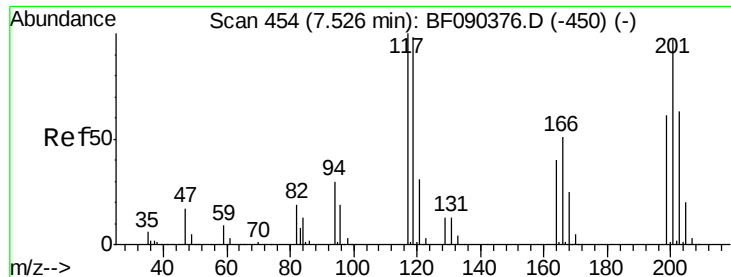
Tgt Ion: 45 Resp: 32425
Ion Ratio Lower Upper
45 100
77 12.8 0.0 30.8
79 10.3 0.0 28.2



#17
2-Methylphenol
Concen: 0.93 ng
RT: 7.24 min Scan# 429
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 107 Resp: 13814
Ion Ratio Lower Upper
107 100
108 113.9 90.9 136.3
77 54.9 38.2 57.4
79 49.5 37.0 55.4

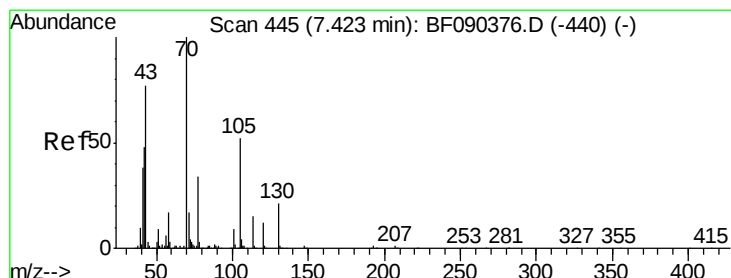
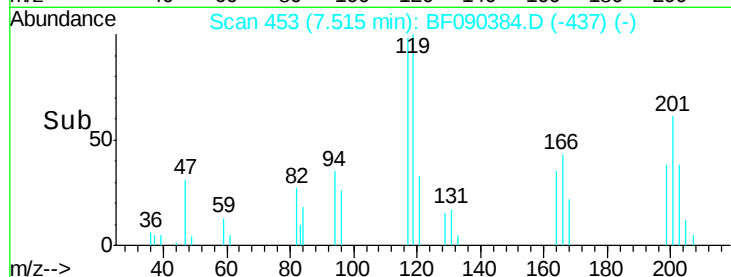
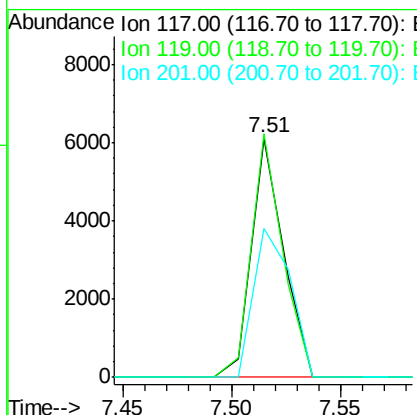
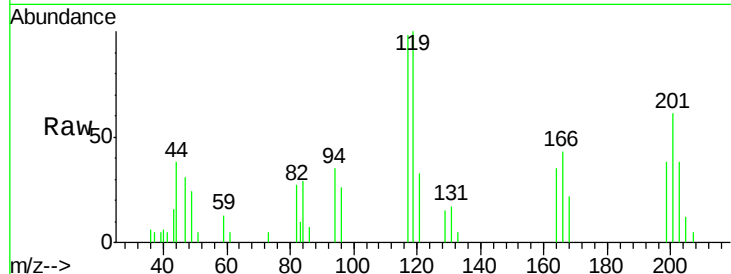




#18
Hexachloroethane
Concen: 0.87 ng
RT: 7.51 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

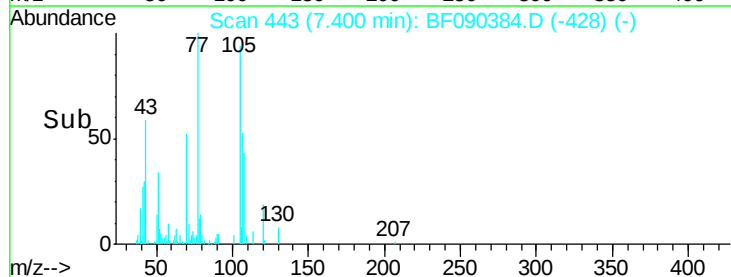
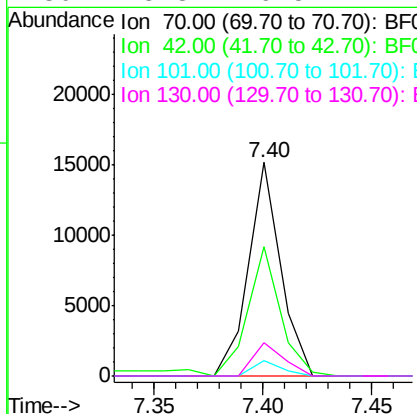
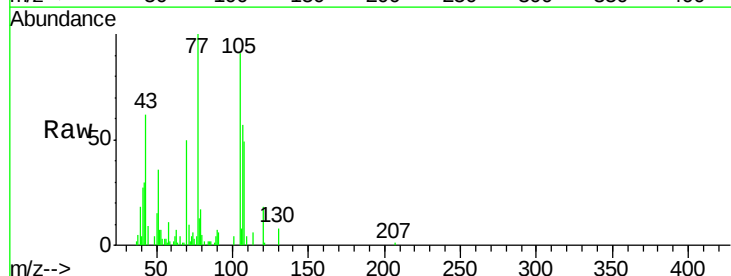
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

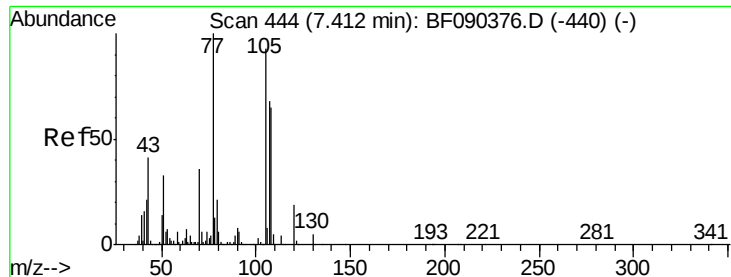
Tgt Ion: 117 Resp: 6264
Ion Ratio Lower Upper
117 100
119 101.9 75.9 113.9
201 62.2 66.5 99.7#



#19
n-Nitroso-di-n-propylamine
Concen: 0.99 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 70 Resp: 15652
Ion Ratio Lower Upper
70 100
42 60.3 55.4 83.2
101 7.1 7.6 11.4#
130 15.8 16.5 24.7#

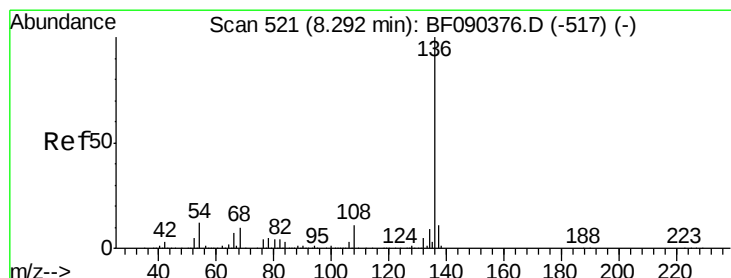
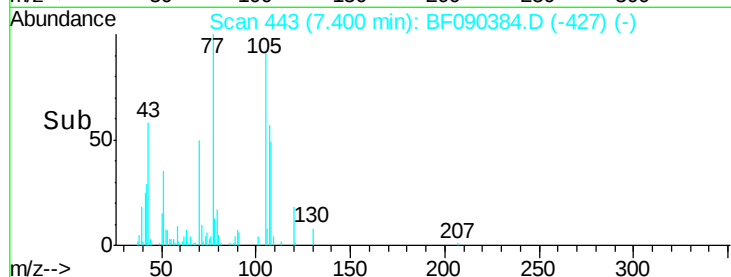
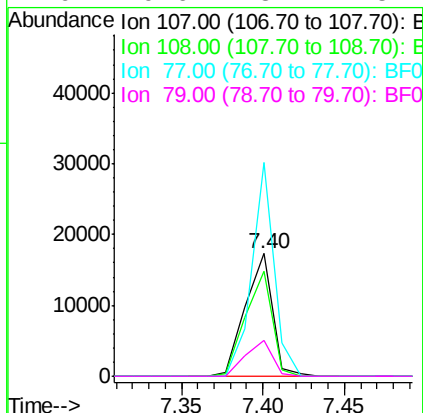
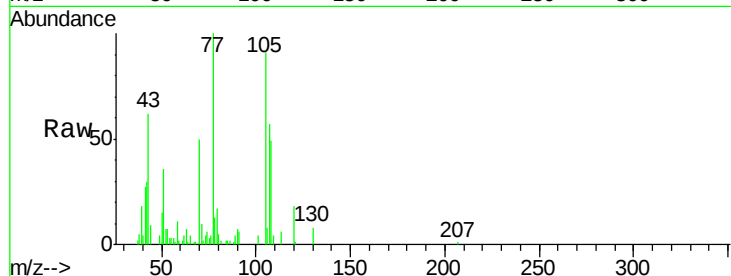




#20
 3+4-Methylphenols
 Concen: 1.03 ng
 RT: 7.40 min Scan# 443
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

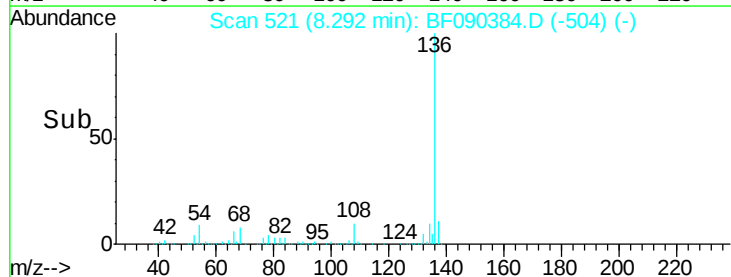
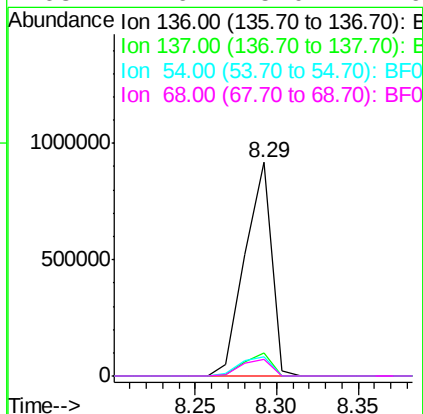
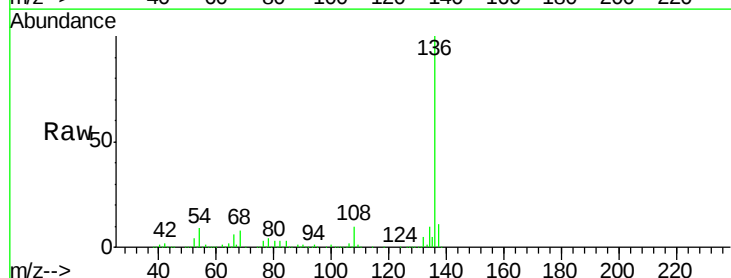
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

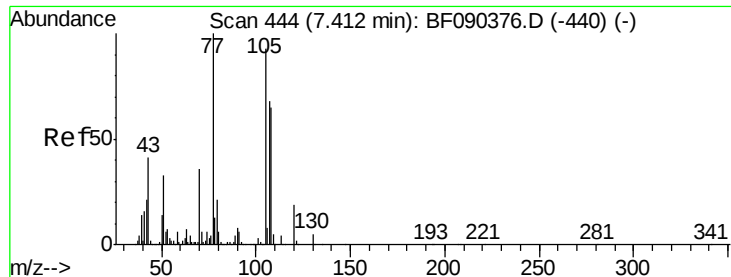
Tgt Ion:107 Resp: 19843
 Ion Ratio Lower Upper
 107 100
 108 85.5 66.7 106.7
 77 174.1 53.7 93.7#
 79 29.6 8.4 48.4



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.29 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:136 Resp: 1036203
 Ion Ratio Lower Upper
 136 100
 137 10.9 9.0 13.6
 54 8.9 6.6 10.0
 68 7.6 5.0 7.6#





#22

Acetophenone

Concen: 1.03 ng

RT: 7.40 min Scan# 443

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

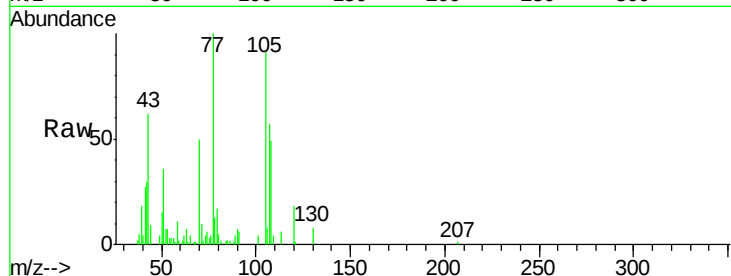
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion:	105	Resp:	25258
Ion	Ratio	Lower	Upper
105	100		
71	10.5	3.8	5.6#
51	39.8	28.2	42.4
120	20.2	17.4	26.2

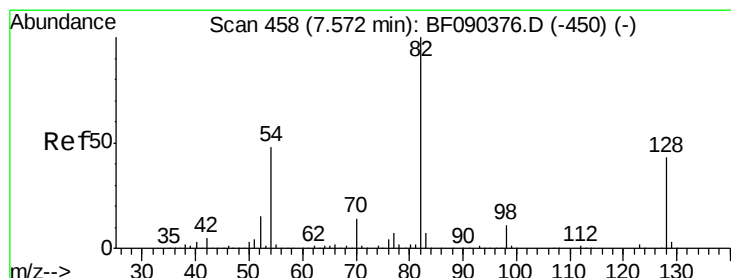
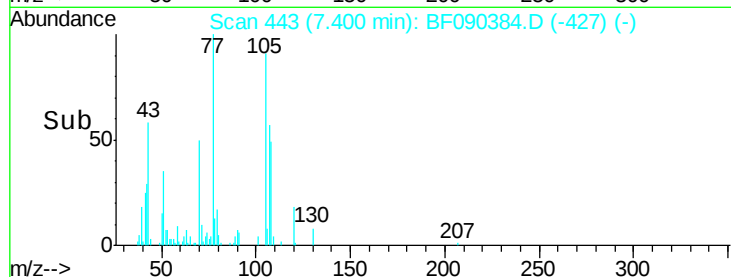
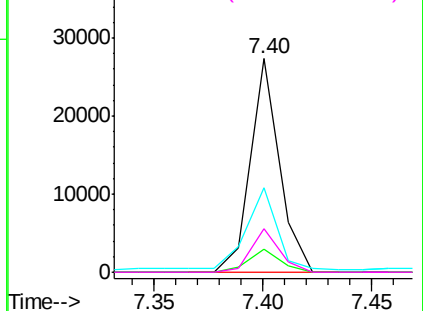


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 78.71 ng

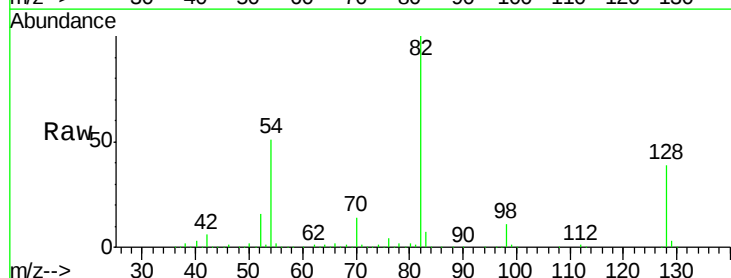
RT: 7.56 min Scan# 457

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

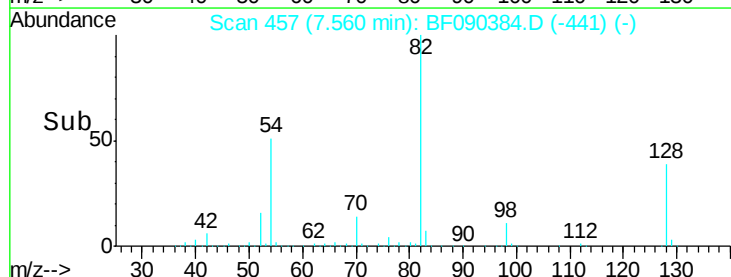
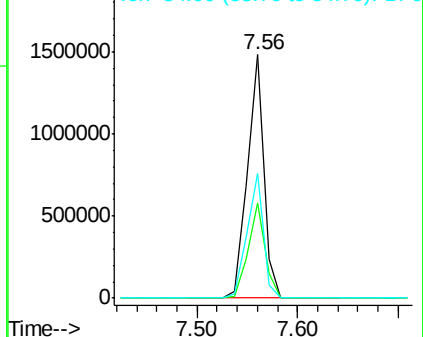
Tgt Ion:	82	Resp:	1676749
Ion	Ratio	Lower	Upper
82	100		
128	39.3	40.0	60.0#
54	51.3	42.6	64.0

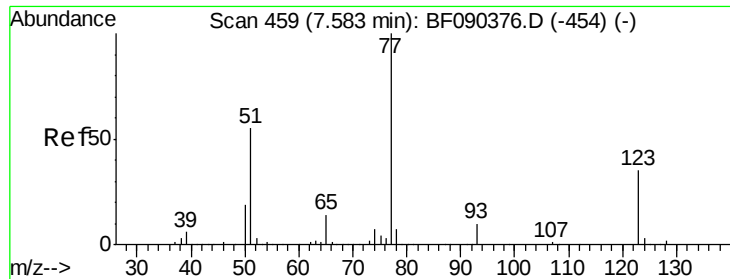


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

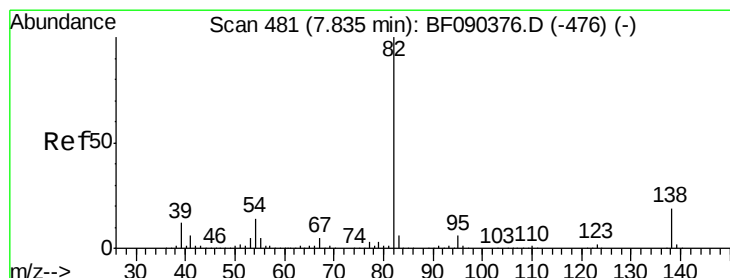
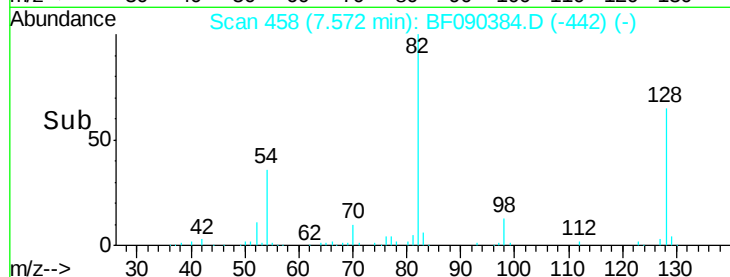
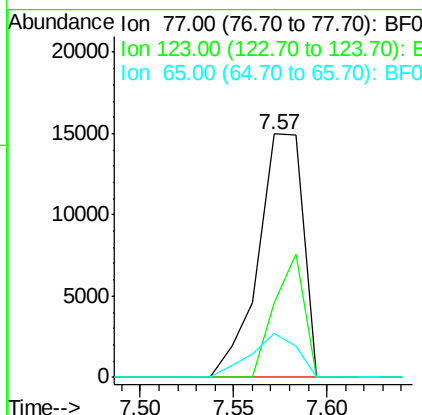
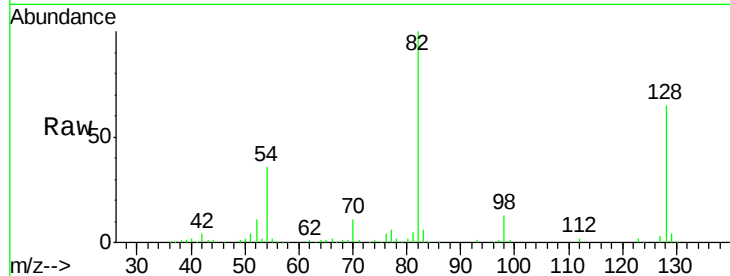




#24
Nitrobenzene
Concen: 1.18 ng
RT: 7.57 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

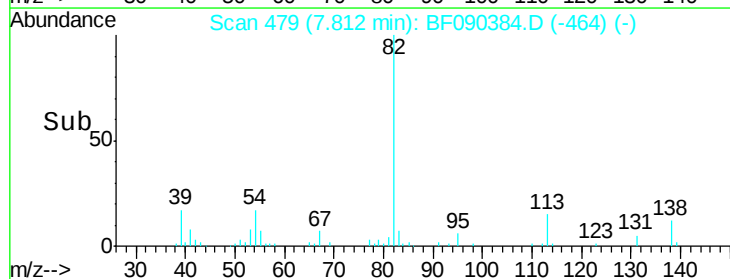
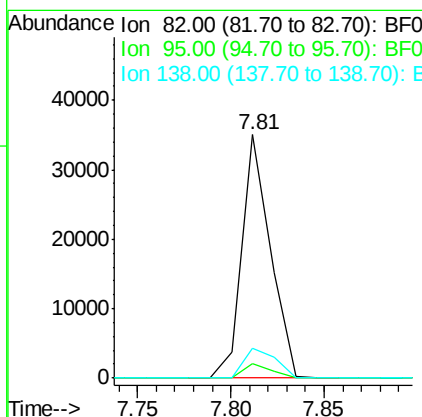
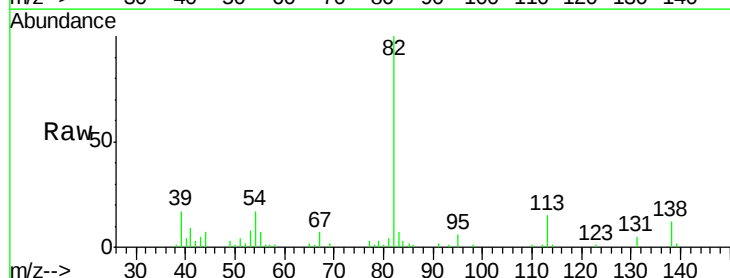
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

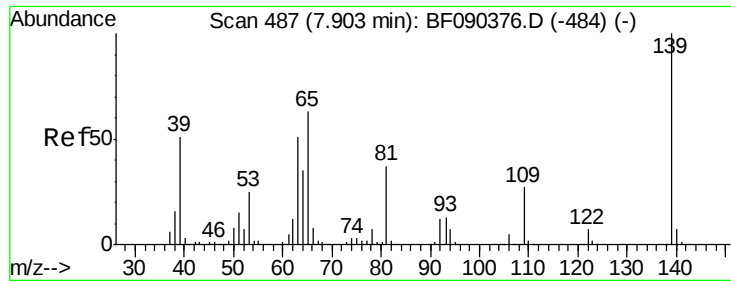
Tgt Ion: 77 Resp: 24976
Ion Ratio Lower Upper
77 100
123 30.9 33.0 49.4#
65 17.8 12.0 18.0



#25
Isophorone
Concen: 0.96 ng
RT: 7.81 min Scan# 479
Delta R.T. -0.02 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 82 Resp: 37269
Ion Ratio Lower Upper
82 100
95 5.7 5.2 7.8
138 12.3 13.0 19.4#

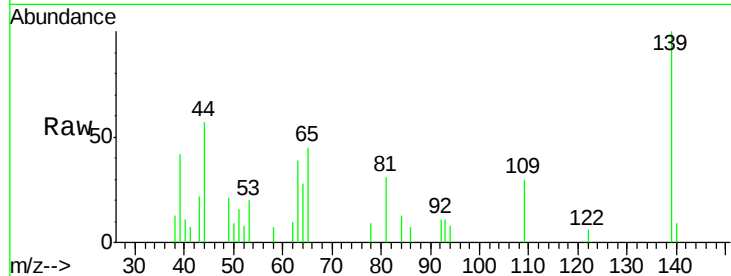




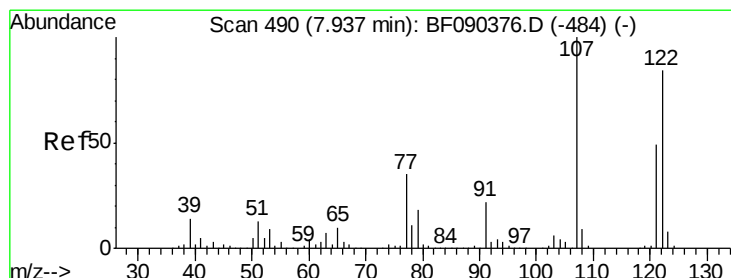
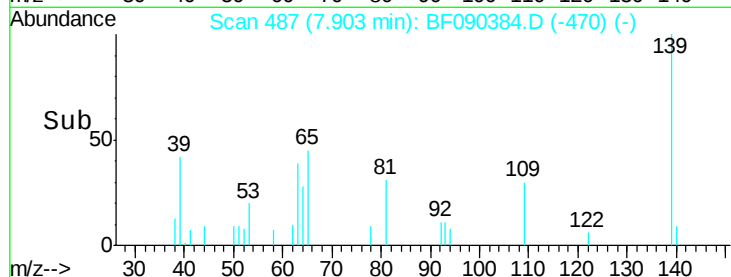
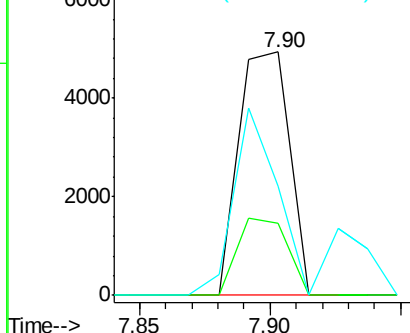
#26
 2-Nitrophenol
 Concen: 0.73 ng
 RT: 7.90 min Scan# 487
 Delta R.T. -0.00 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

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

Tgt Ion:139 Resp: 6669
 Ion Ratio Lower Upper
 139 100
 109 29.5 18.9 28.3#
 65 44.7 31.6 47.4

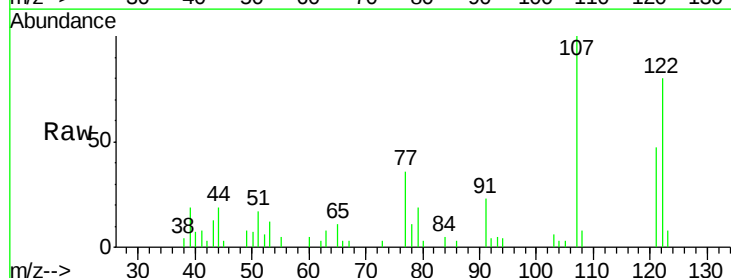


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

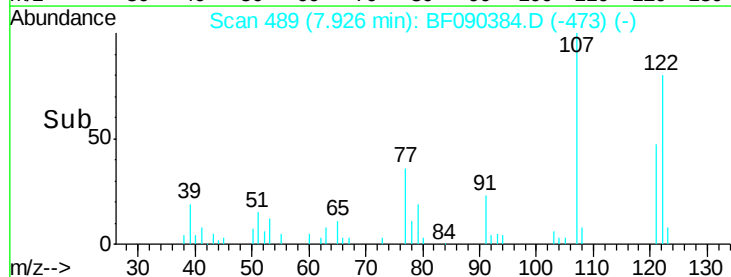
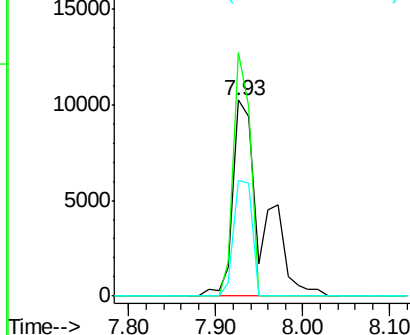


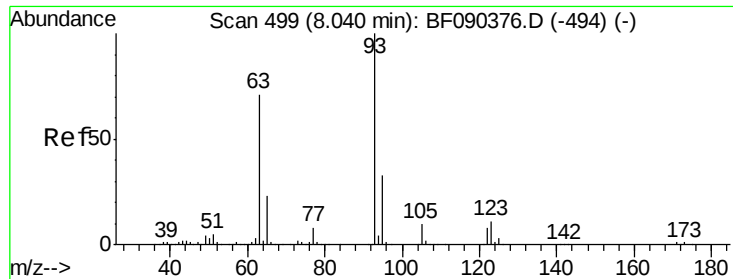
#27
 2,4-Dimethylphenol
 Concen: 1.36 ng
 RT: 7.93 min Scan# 489
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:122 Resp: 24099
 Ion Ratio Lower Upper
 122 100
 107 124.3 88.6 132.8
 121 58.8 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

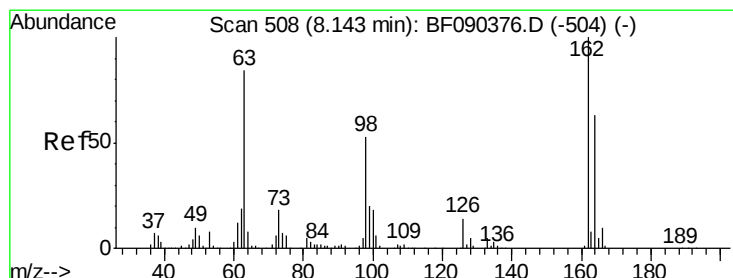
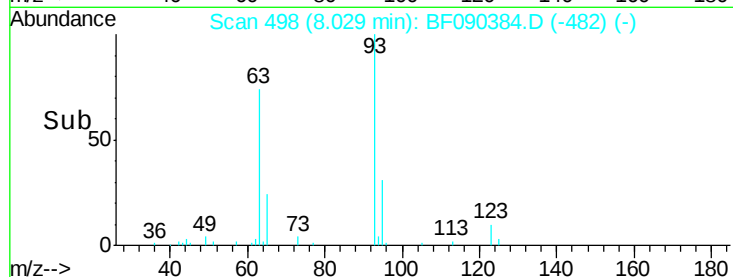
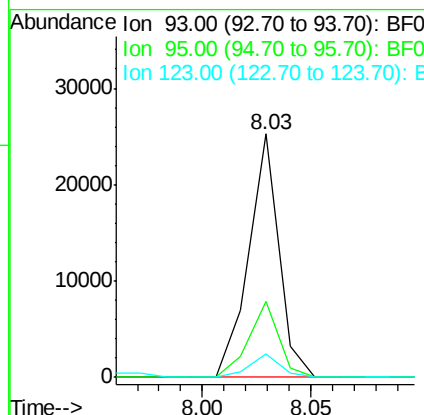
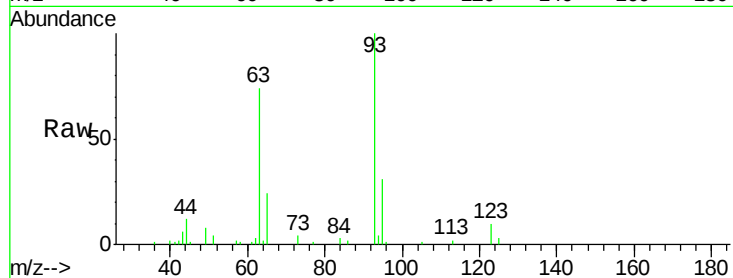




#28
bis(2-Chloroethoxy)methane
Concen: 1.05 ng
RT: 8.03 min Scan# 498
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

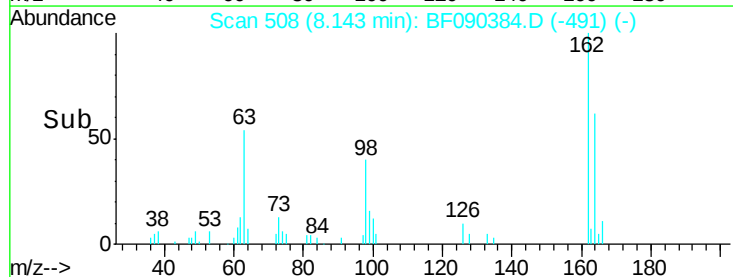
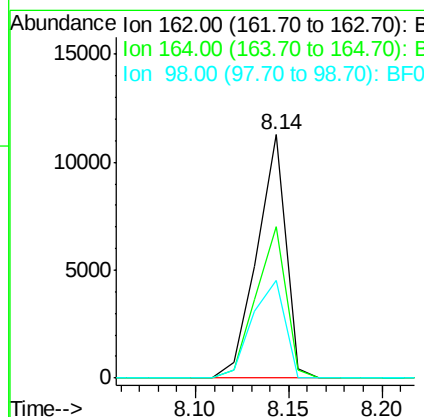
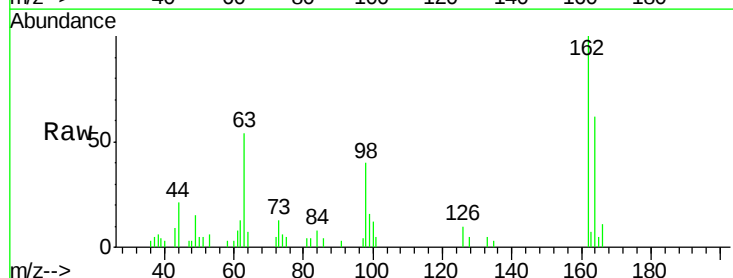
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

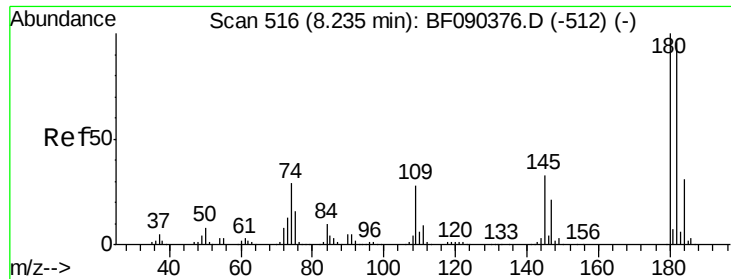
Tgt Ion: 93 Resp: 24265
Ion Ratio Lower Upper
93 100
95 31.1 27.0 40.4
123 9.8 11.1 16.7#



#29
2,4-Dichlorophenol
Concen: 0.90 ng
RT: 8.14 min Scan# 508
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 162 Resp: 12087
Ion Ratio Lower Upper
162 100
164 62.3 45.7 85.7
98 40.1 13.3 53.3

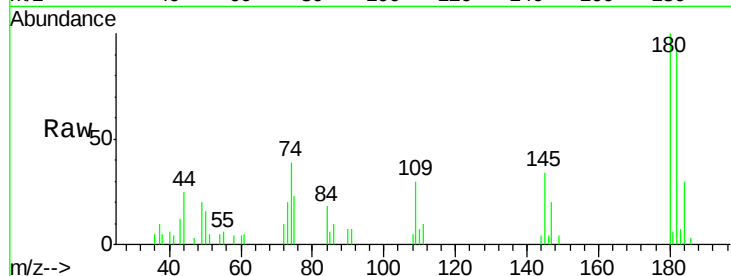




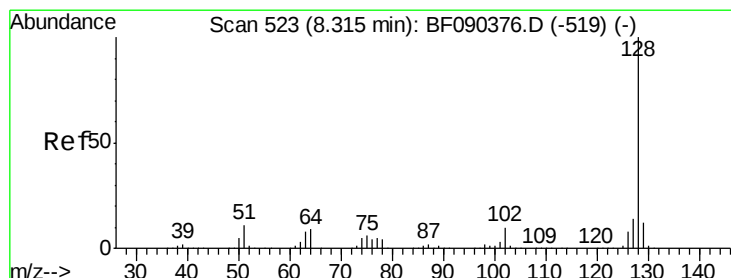
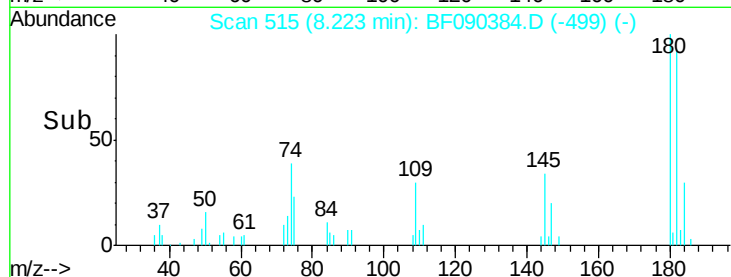
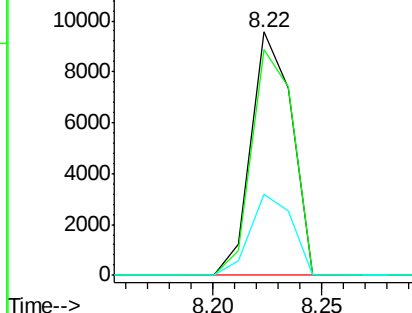
#30
 1,2,4-Trichlorobenzene
 Concen: 0.90 ng
 RT: 8.22 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

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

Tgt Ion:180 Resp: 12453
 Ion Ratio Lower Upper
 180 100
 182 92.9 75.3 112.9
 145 33.5 27.7 41.5

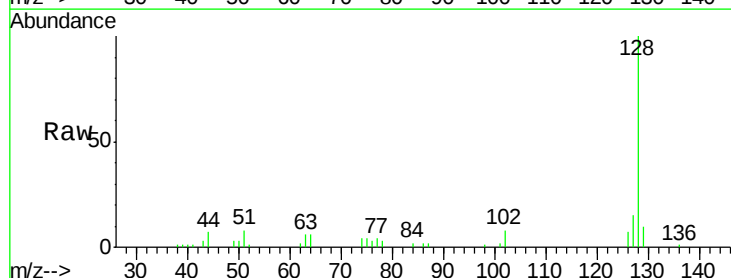


Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

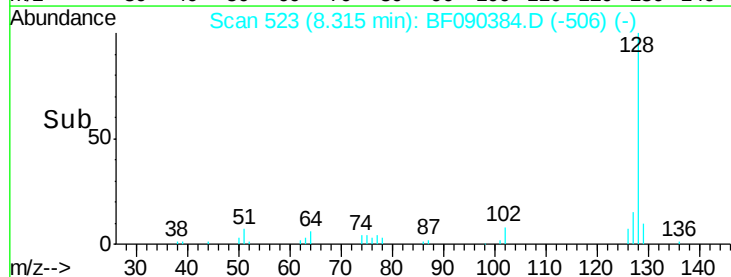
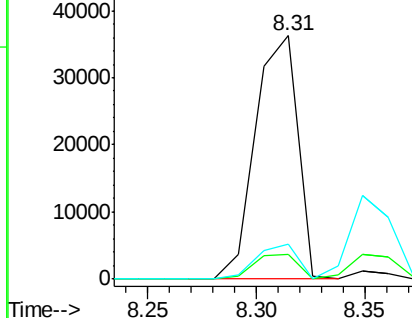


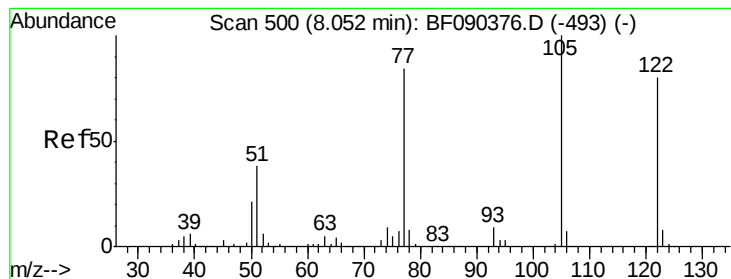
#31
 Naphthalene
 Concen: 0.99 ng
 RT: 8.31 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:128 Resp: 49458
 Ion Ratio Lower Upper
 128 100
 129 10.4 9.7 14.5
 127 14.6 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: 1.96 ng

RT: 7.93 min Scan# 489

Delta R.T. -0.13 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

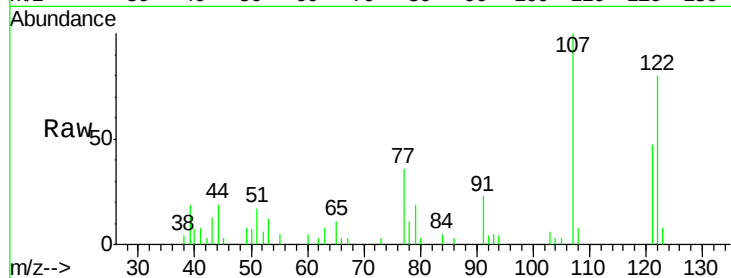
Tgt Ion:122 Resp: 24099

Ion Ratio Lower Upper

122 100

105 4.2 103.9 143.9#

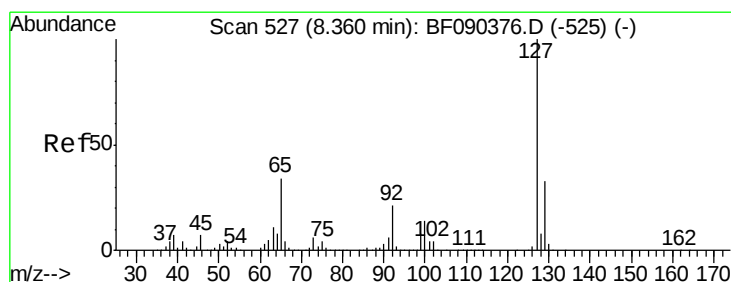
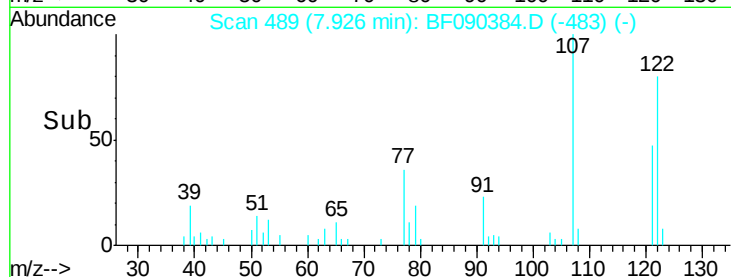
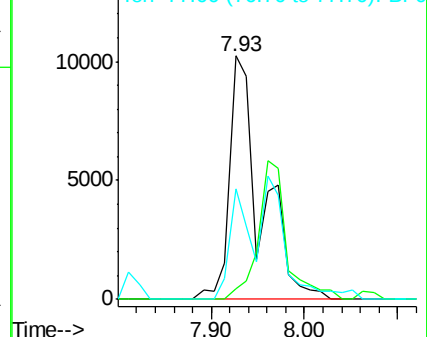
77 45.2 74.6 114.6#



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: 0.86 ng

RT: 8.35 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Tgt Ion:127 Resp: 17797

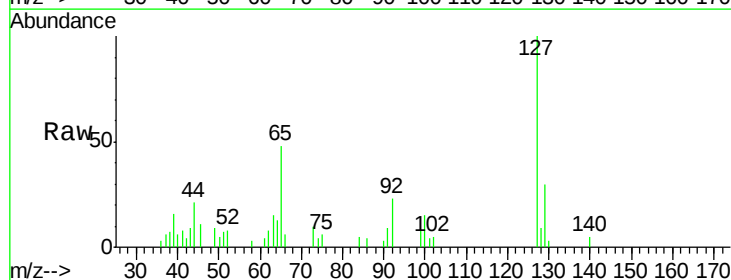
Ion Ratio Lower Upper

127 100

129 29.7 26.2 39.4

65 48.0 32.5 48.7

92 23.2 17.2 25.8

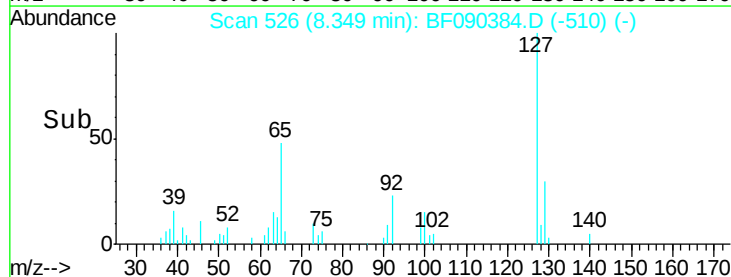
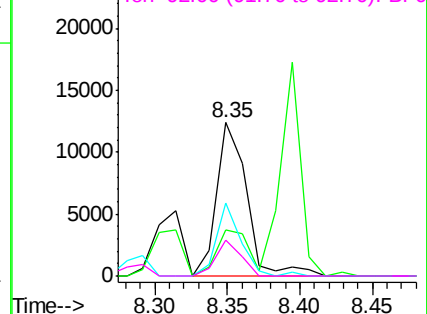


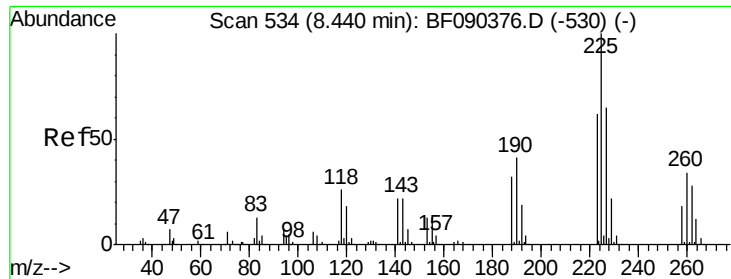
Abundance Ion 127.00 (126.70 to 127.70): E

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

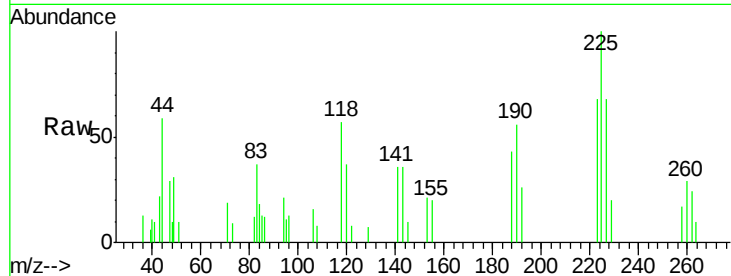




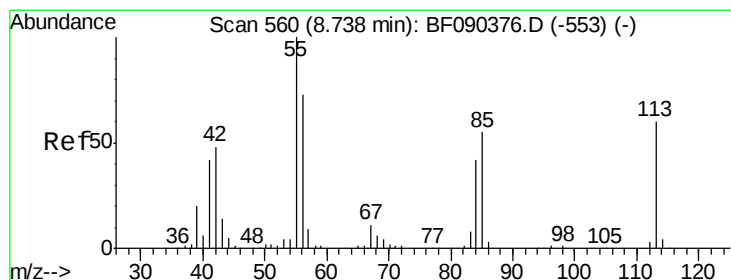
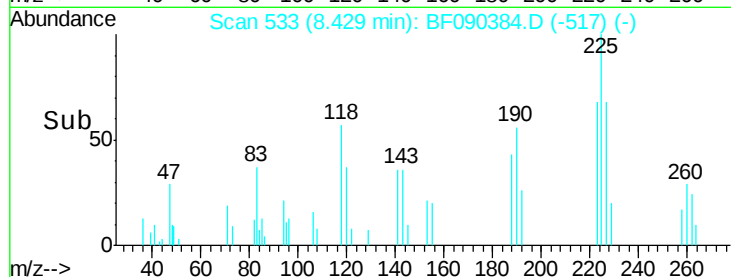
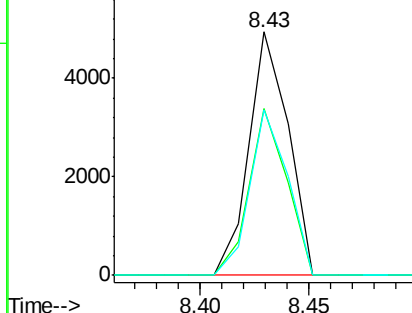
#34
Hexachlorobutadiene
Concen: 0.80 ng
RT: 8.43 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion: 225 Resp: 6213
Ion Ratio Lower Upper
225 100
223 68.3 51.0 76.4
227 67.8 50.8 76.2

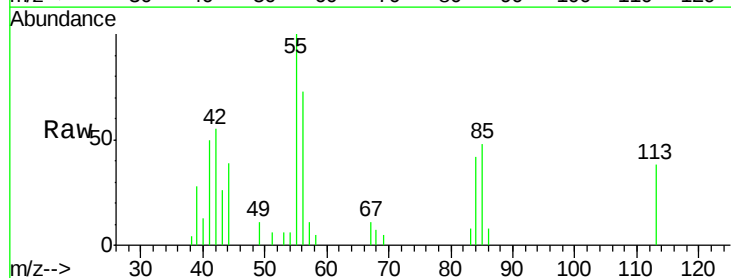


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

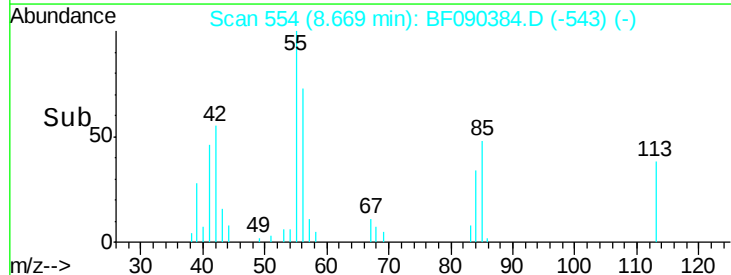
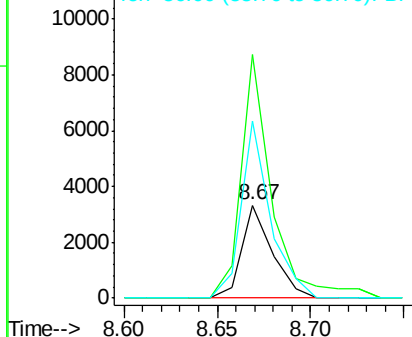


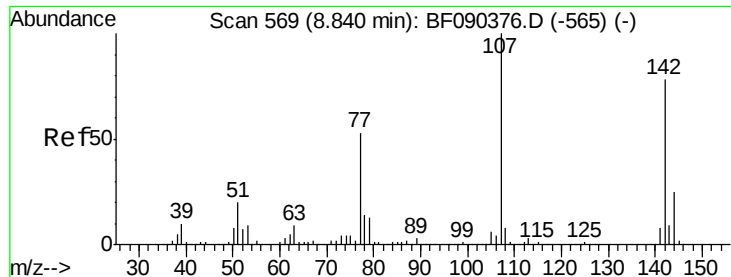
#35
Caprolactam
Concen: 0.84 ng
RT: 8.67 min Scan# 554
Delta R.T. -0.07 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 113 Resp: 3779
Ion Ratio Lower Upper
113 100
55 261.8 203.3 243.3#
56 190.3 140.5 180.5#



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

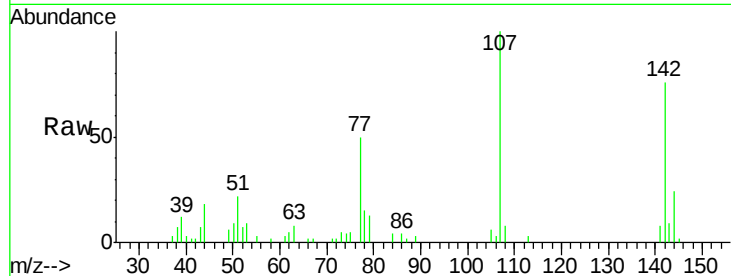




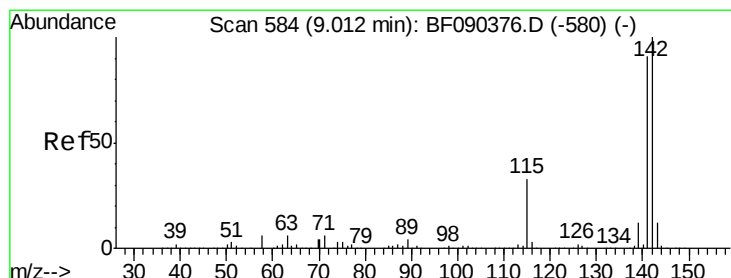
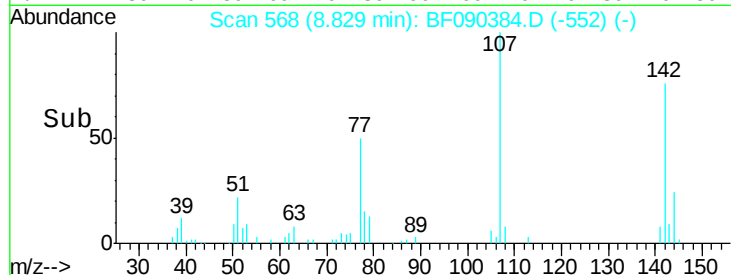
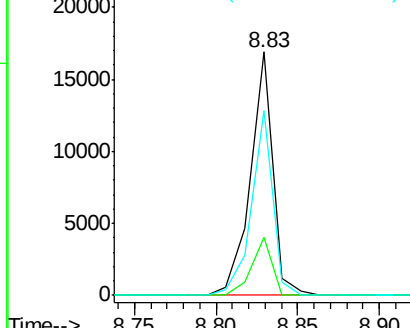
#36
 4-Chloro-3-methylphenol
 Concen: 0.96 ng
 RT: 8.83 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

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

Tgt Ion:107 Resp: 16235
 Ion Ratio Lower Upper
 107 100
 144 23.6 19.8 29.8
 142 75.6 60.7 91.1

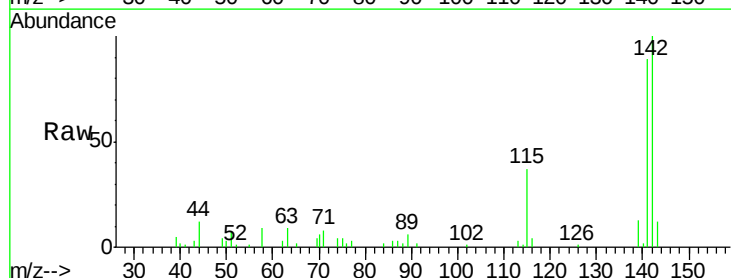


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

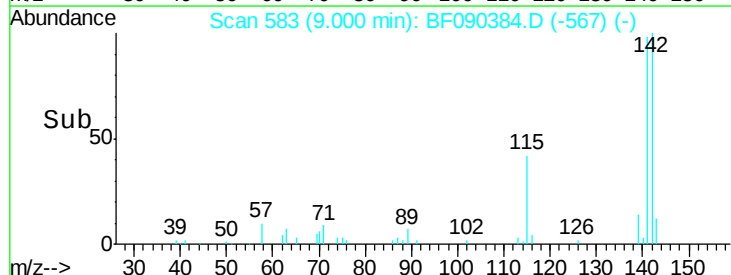
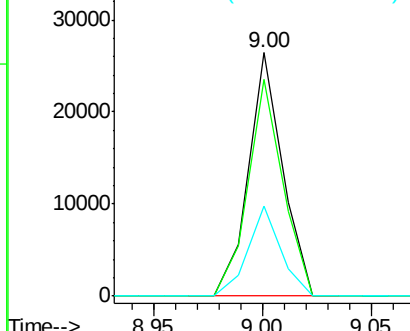


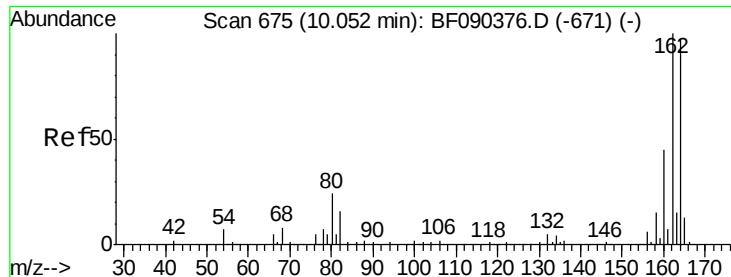
#37
 2-Methylnaphthalene
 Concen: 0.96 ng
 RT: 9.00 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:142 Resp: 28972
 Ion Ratio Lower Upper
 142 100
 141 89.1 71.8 107.8
 115 37.2 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: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

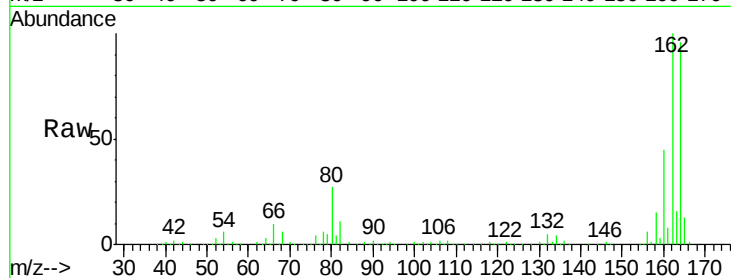
Tgt Ion:164 Resp: 529974

Ion Ratio Lower Upper

164 100

162 104.0 80.1 120.1

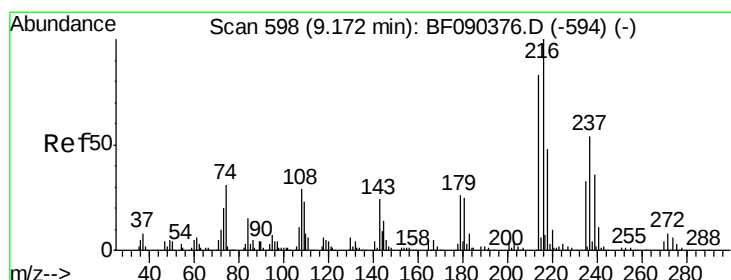
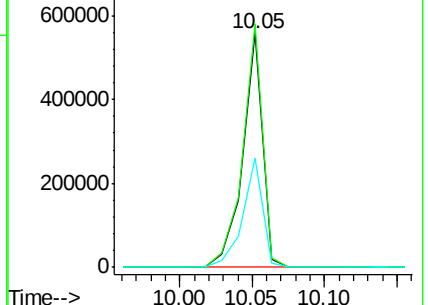
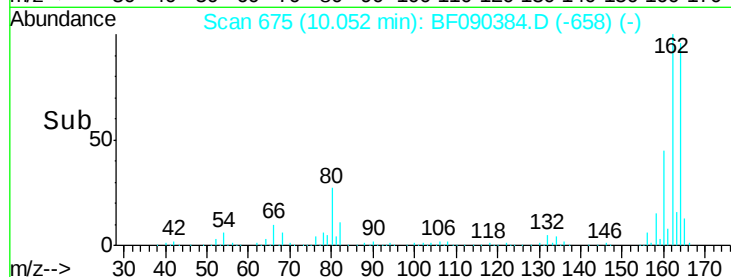
160 46.6 36.3 54.5



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: 0.91 ng

RT: 9.17 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Tgt Ion:216 Resp: 12707

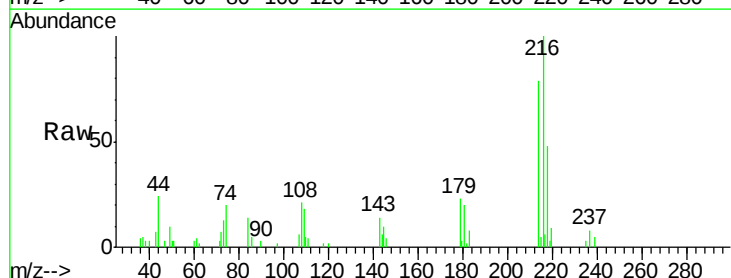
Ion Ratio Lower Upper

216 100

214 77.4 64.2 96.2

179 21.6 18.0 27.0

108 25.3 15.2 22.8#

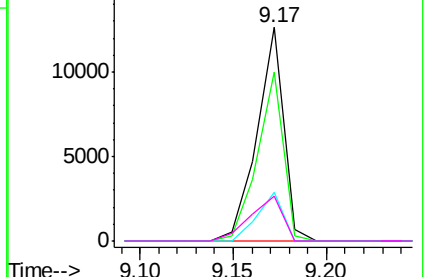
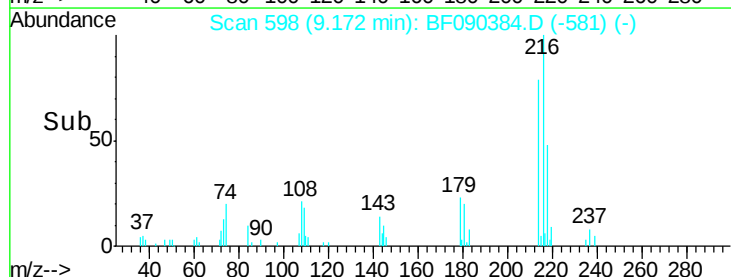


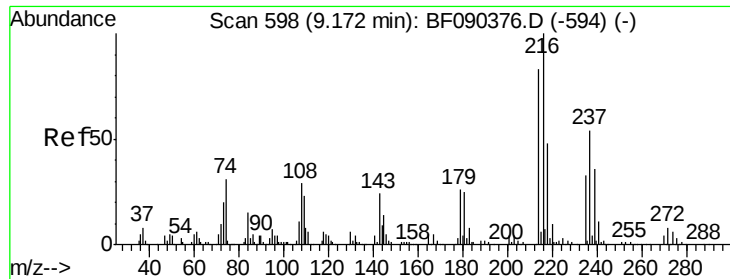
Abundance Ion 216.00 (215.70 to 216.70): E

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

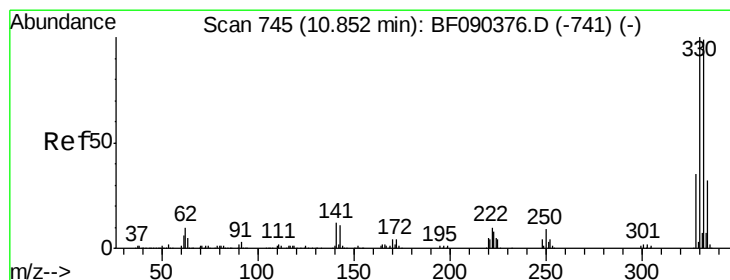
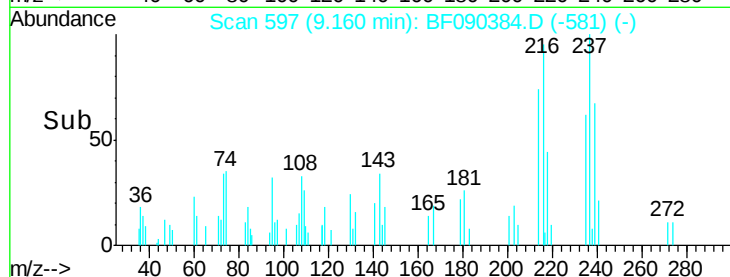
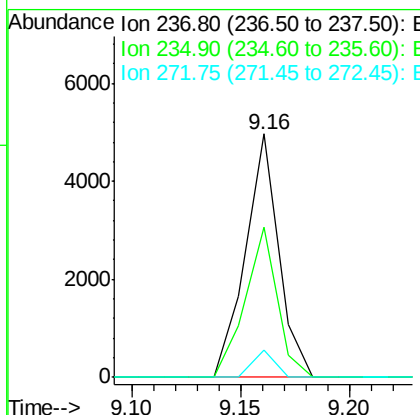
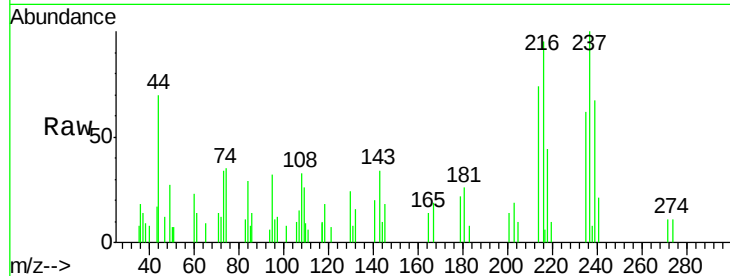




#40
Hexachlorocyclopentadiene
Concen: 0.69 ng
RT: 9.16 min Scan# 597
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

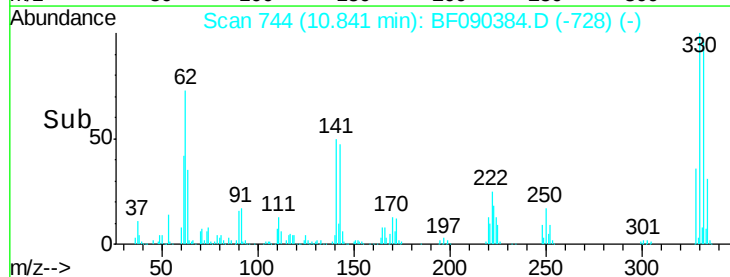
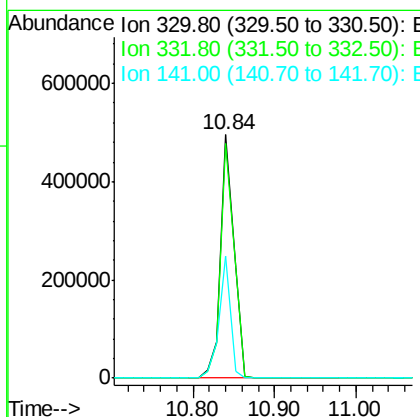
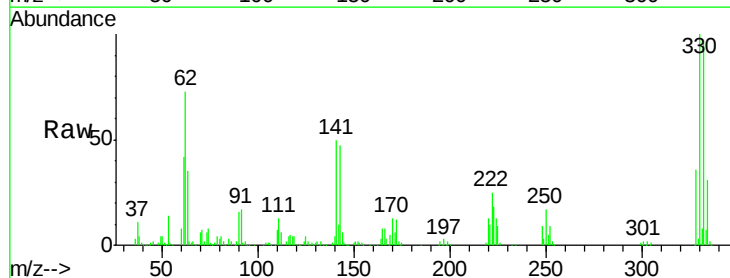
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

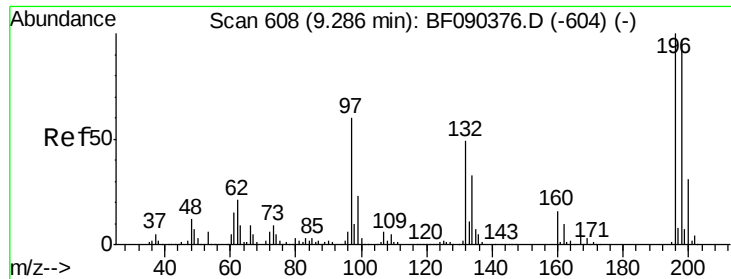
Tgt Ion: 237 Resp: 5267
Ion Ratio Lower Upper
237 100
235 61.6 43.6 83.6
272 11.0 0.0 32.7



#41
2,4,6-Tribromophenol
Concen: 130.53 ng
RT: 10.84 min Scan# 744
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 330 Resp: 562498
Ion Ratio Lower Upper
330 100
332 97.1 75.4 113.0
141 42.9 26.9 40.3#

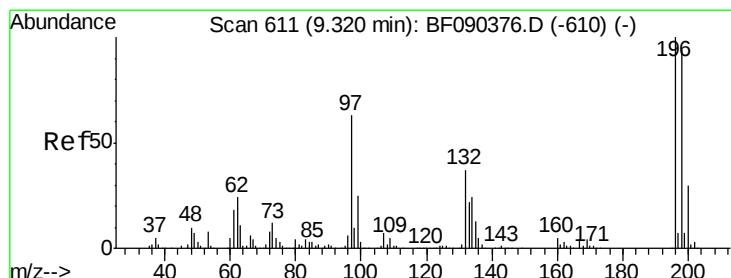
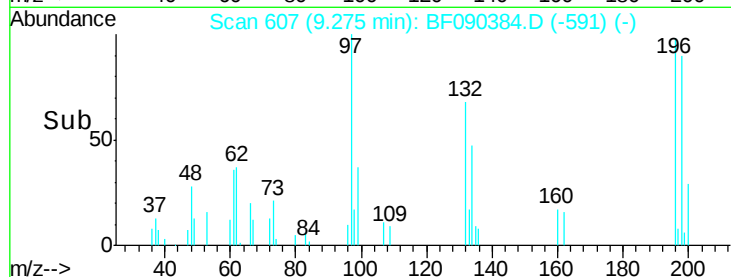
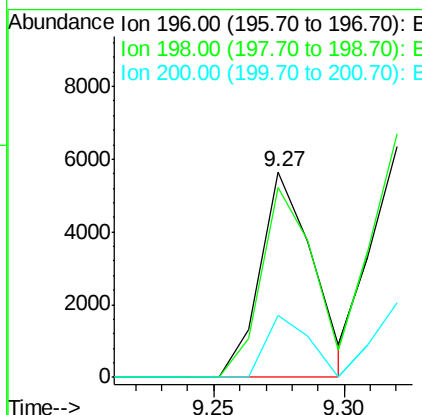
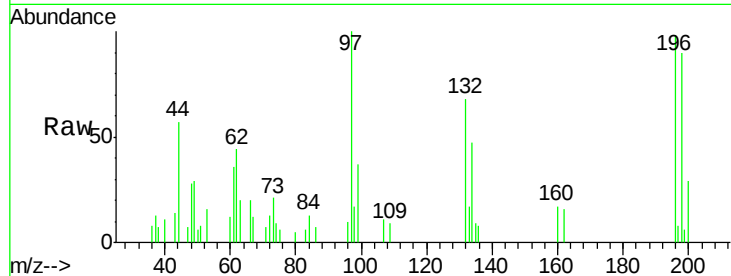




#42
 2,4,6-Trichlorophenol
 Concen: 0.82 ng
 RT: 9.27 min Scan# 607
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

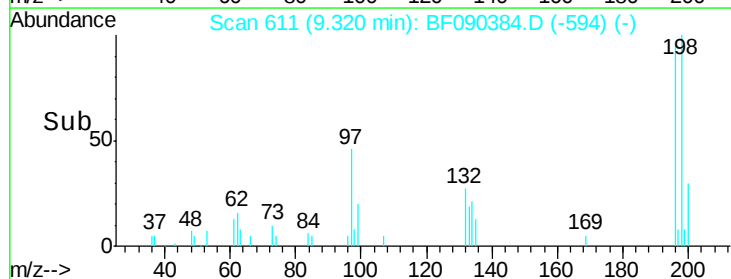
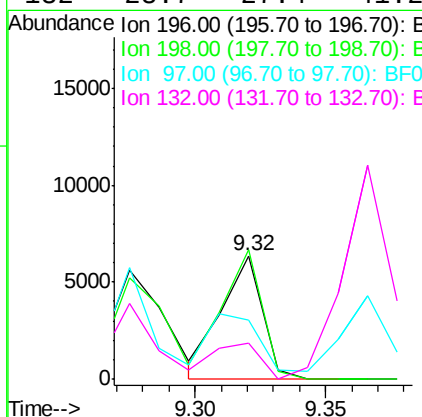
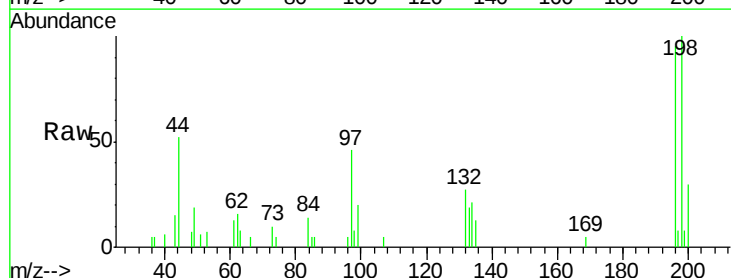
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL2016-01-QT4

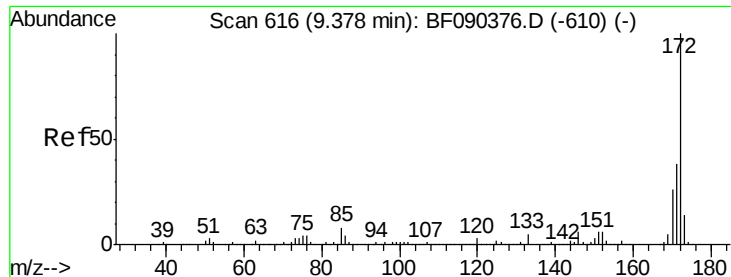
Tgt Ion:196 Resp: 7948
 Ion Ratio Lower Upper
 196 100
 198 92.3 78.9 118.3
 200 30.0 25.4 38.2



#43
 2,4,5-Trichlorophenol
 Concen: 0.76 ng
 RT: 9.32 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:196 Resp: 6957
 Ion Ratio Lower Upper
 196 100
 198 105.3 78.1 117.1
 97 48.1 48.1 72.1#
 132 28.7 27.4 41.2

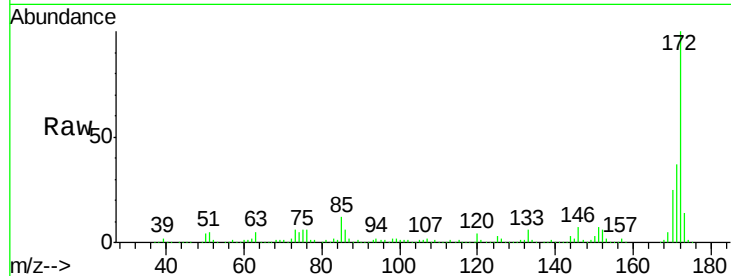




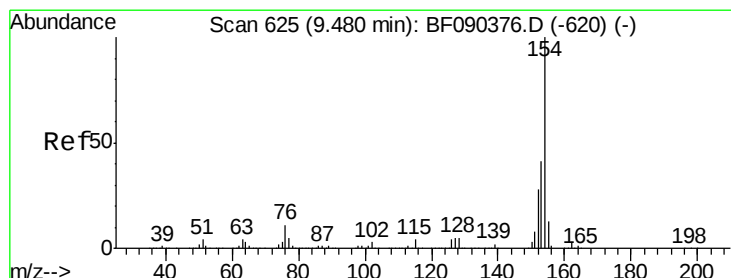
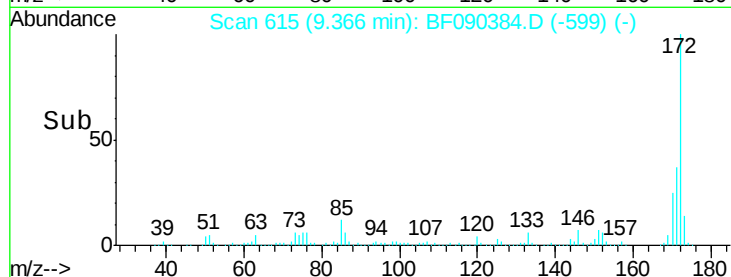
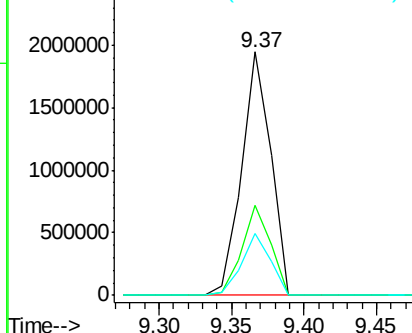
#44
 2-Fluorobiphenyl
 Concen: 84.68 ng
 RT: 9.37 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

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

Tgt Ion:172 Resp: 2693523
 Ion Ratio Lower Upper
 172 100
 171 37.1 31.8 47.8
 170 25.4 21.7 32.5

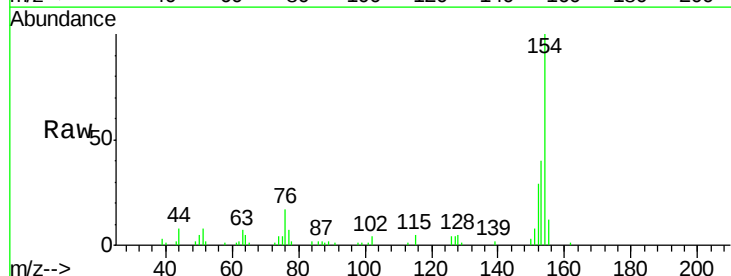


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

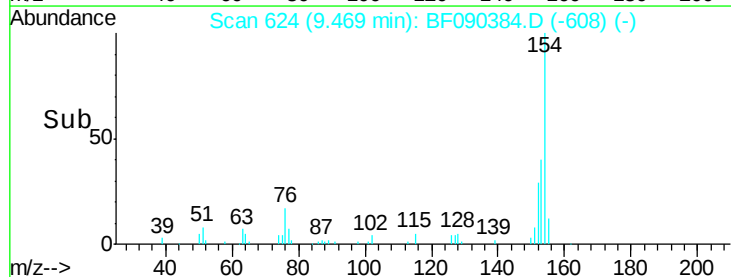
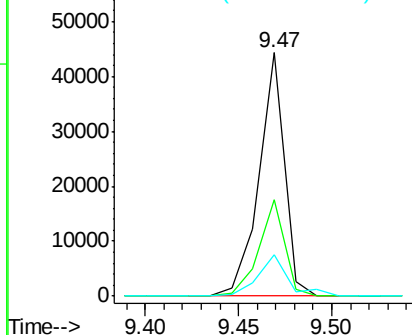


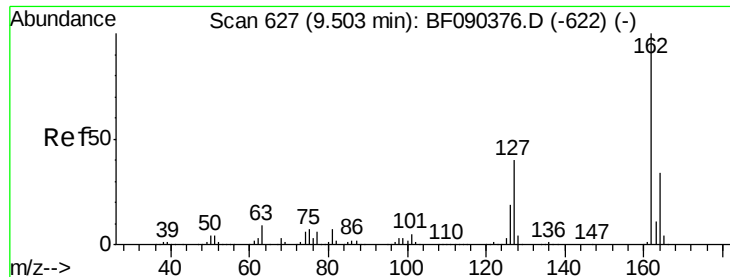
#45
 1,1'-Biphenyl
 Concen: 1.06 ng
 RT: 9.47 min Scan# 624
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:154 Resp: 41577
 Ion Ratio Lower Upper
 154 100
 153 39.6 23.8 63.8
 76 16.9 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

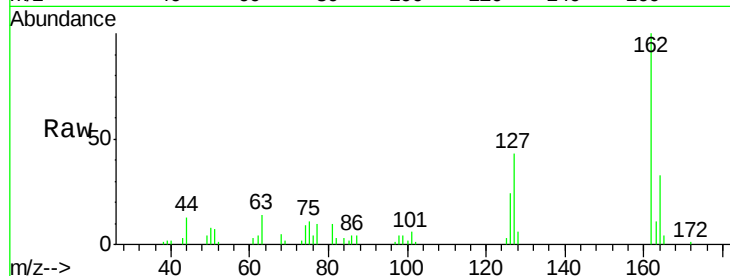




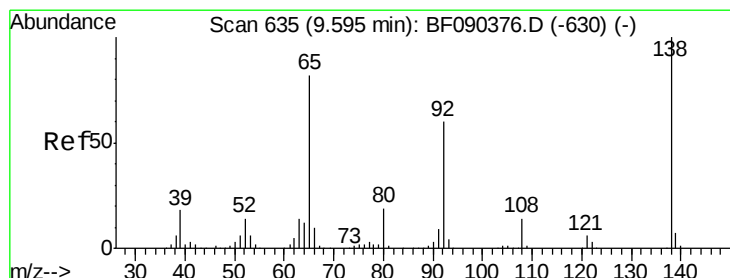
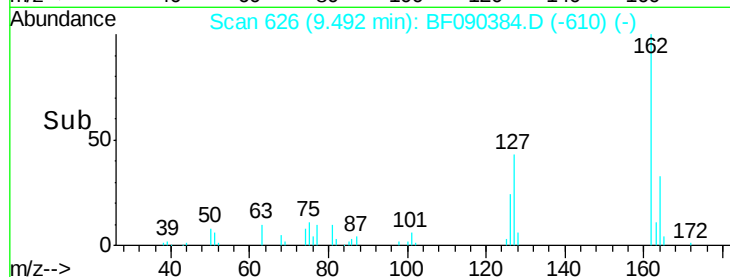
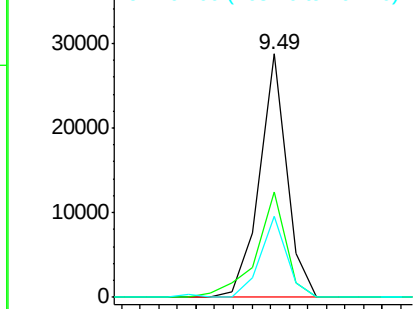
#46
2-Chloronaphthalene
Concen: 1.00 ng
RT: 9.49 min Scan# 626
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion: 162 Resp: 28886
Ion Ratio Lower Upper
162 100
127 43.4 35.6 53.4
164 33.1 27.5 41.3

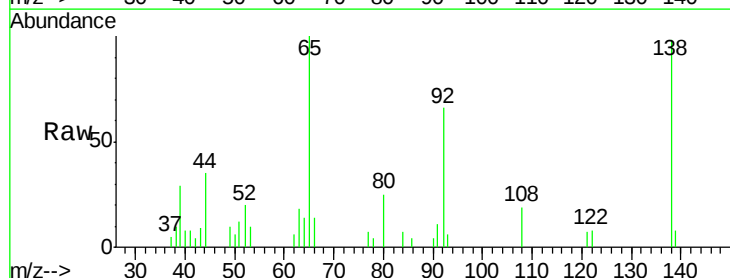


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

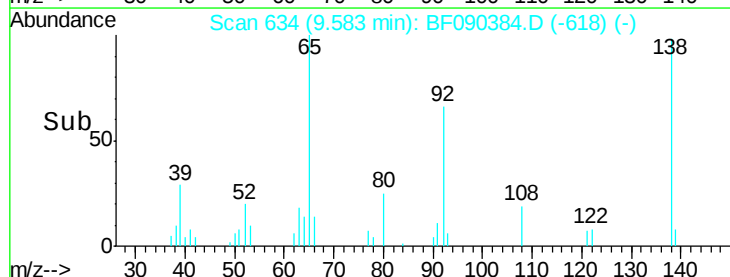
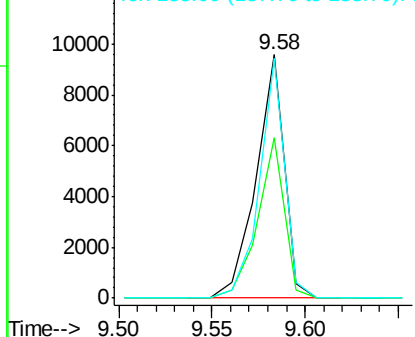


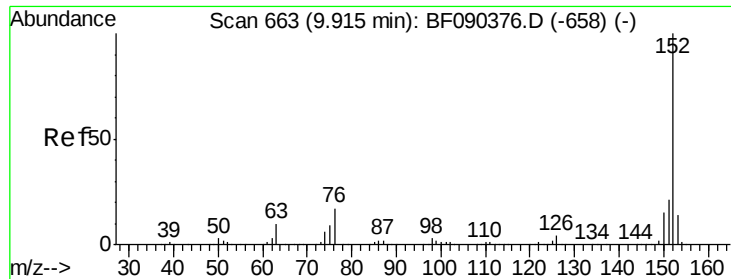
#47
2-Nitroaniline
Concen: 0.87 ng
RT: 9.58 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 65 Resp: 9942
Ion Ratio Lower Upper
65 100
92 66.1 51.7 77.5
138 98.3 79.0 118.4



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





#48

Acenaphthylene

Concen: 0.94 ng

RT: 9.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

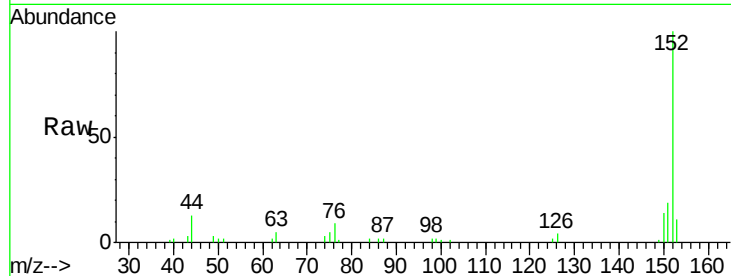
Tgt Ion:152 Resp: 45092

Ion Ratio Lower Upper

152 100

151 18.5 17.4 26.0

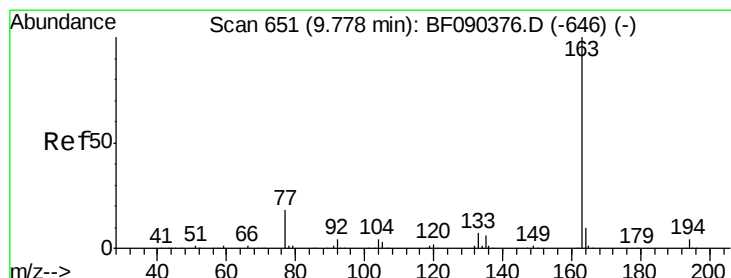
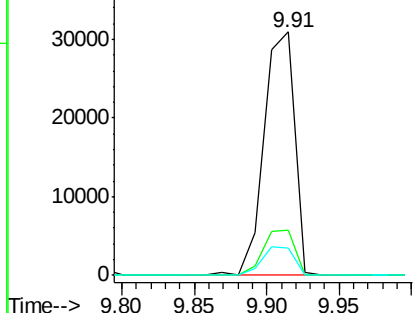
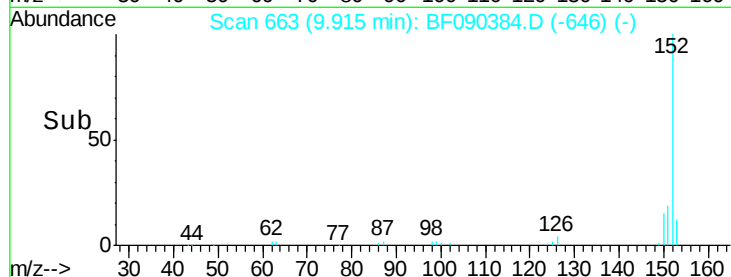
153 11.4 11.6 17.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 0.92 ng

RT: 9.75 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

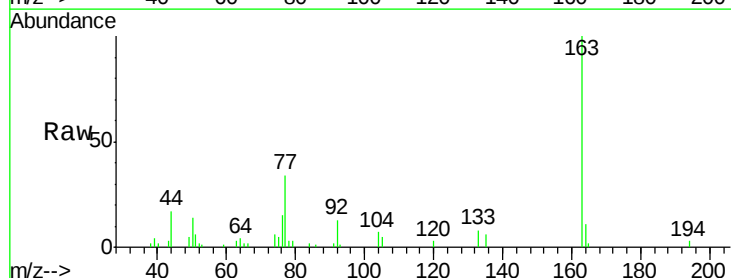
Tgt Ion:163 Resp: 31202

Ion Ratio Lower Upper

163 100

194 2.8 2.8 4.2

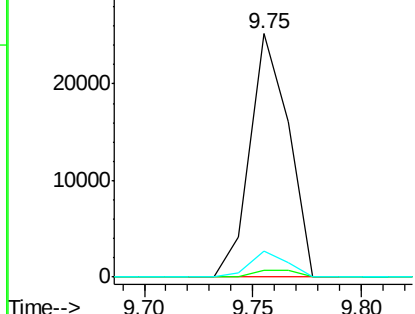
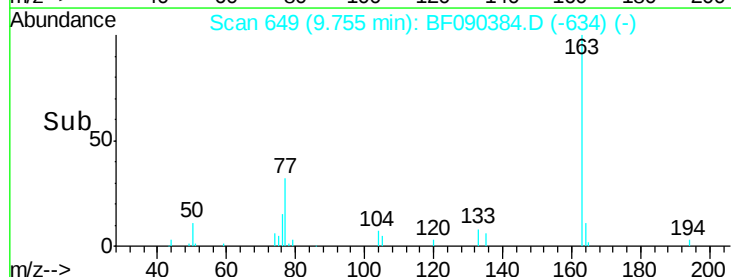
164 10.9 9.0 13.4

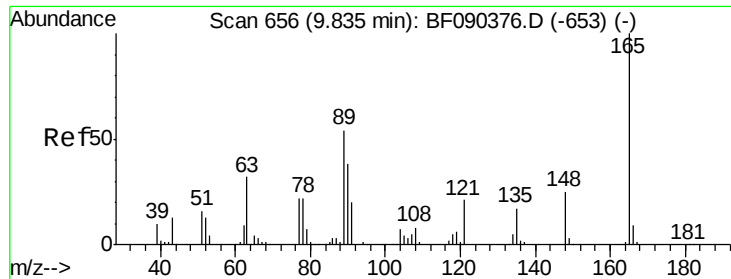


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 0.83 ng

RT: 9.82 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

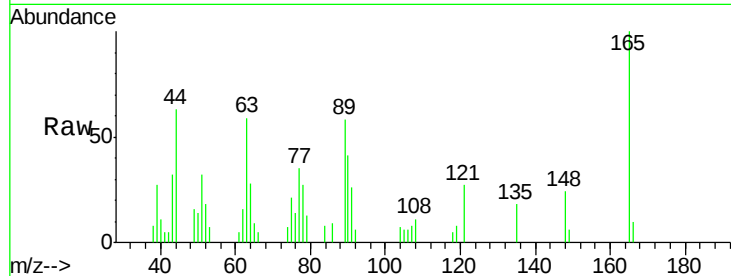
Tgt Ion:165 Resp: 6240

Ion Ratio Lower Upper

165 100

63 59.3 58.0 87.0

89 57.8 51.2 76.8

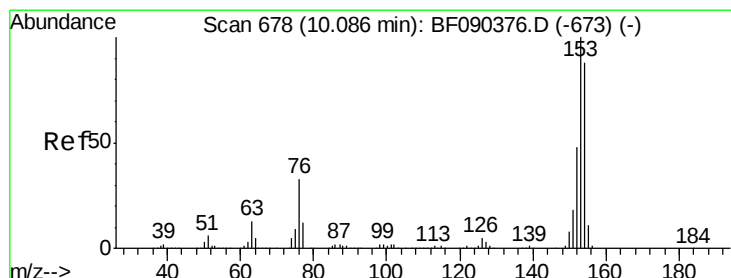
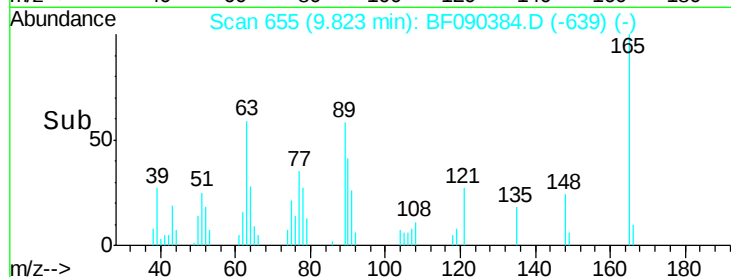


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Time-->



#51

Acenaphthene

Concen: 0.96 ng

RT: 10.09 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

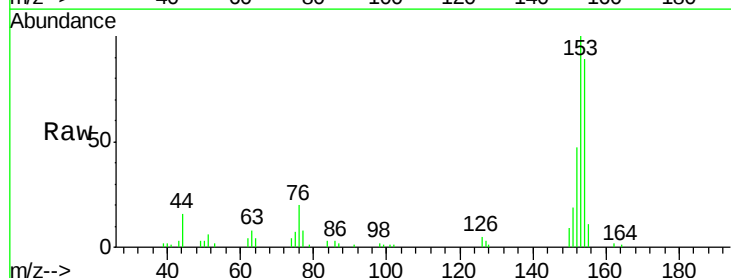
Tgt Ion:154 Resp: 28770

Ion Ratio Lower Upper

154 100

153 112.8 88.6 133.0

152 52.7 42.6 64.0

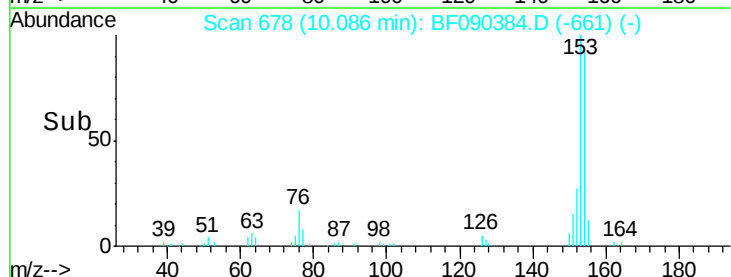


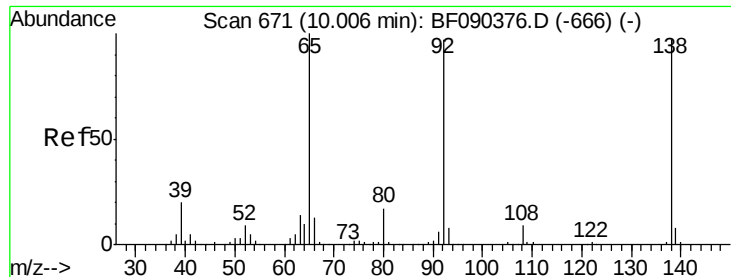
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->

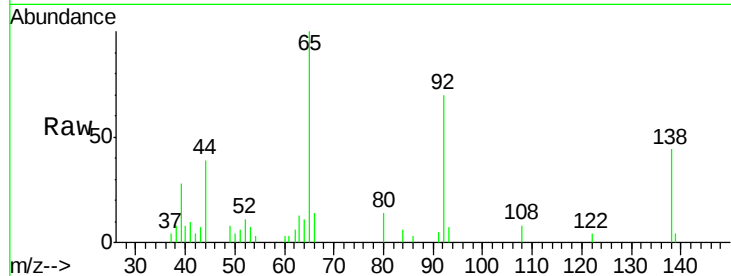




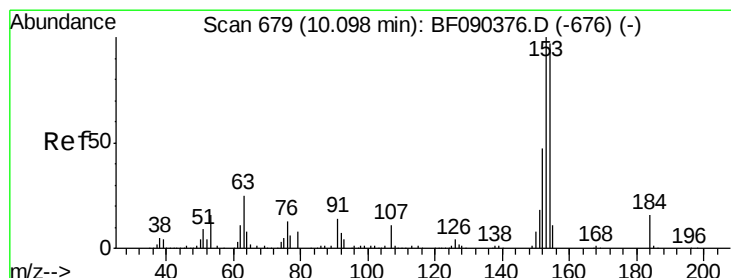
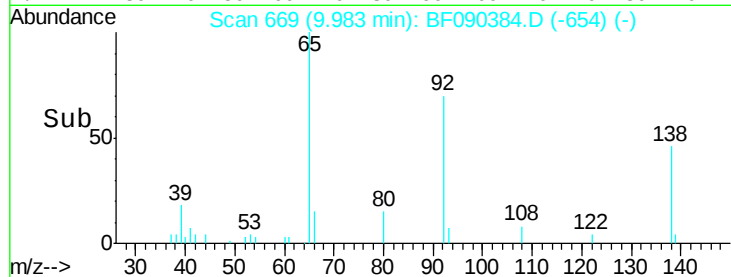
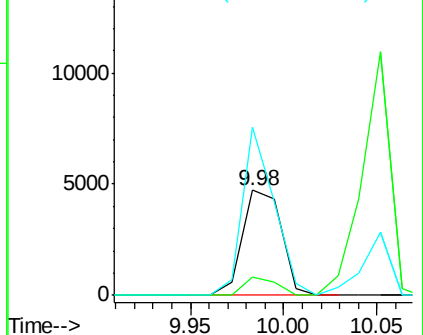
#52
3-Nitroaniline
Concen: 0.78 ng
RT: 9.98 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion:138 Resp: 6854
Ion Ratio Lower Upper
138 100
108 18.0 9.7 14.5#
92 160.2 97.1 145.7#

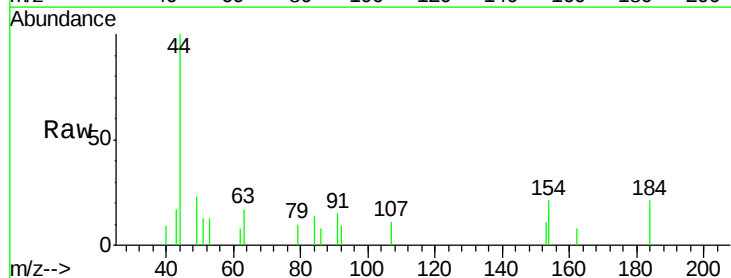


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

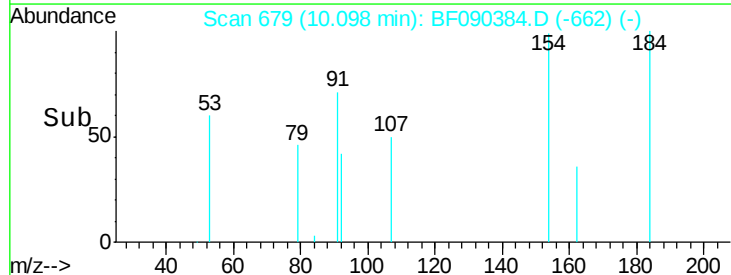
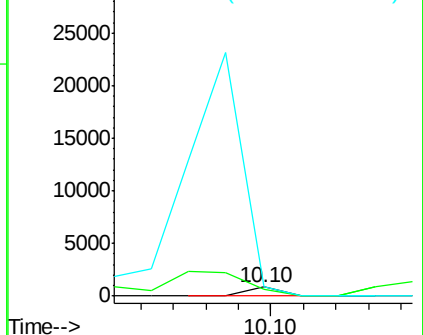


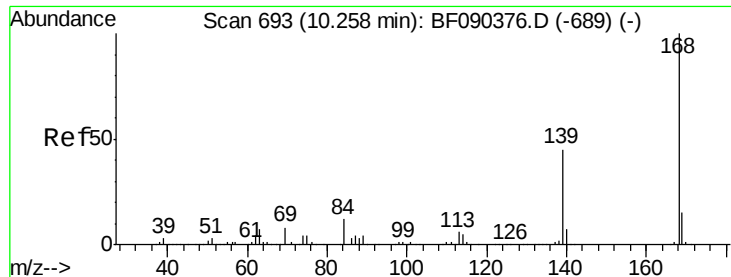
#53
2,4-Dinitrophenol
Concen: 0.18 ng
RT: 10.10 min Scan# 679
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion:184 Resp: 601
Ion Ratio Lower Upper
184 100
63 79.6 41.9 62.9#
154 99.2 48.9 73.3#



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

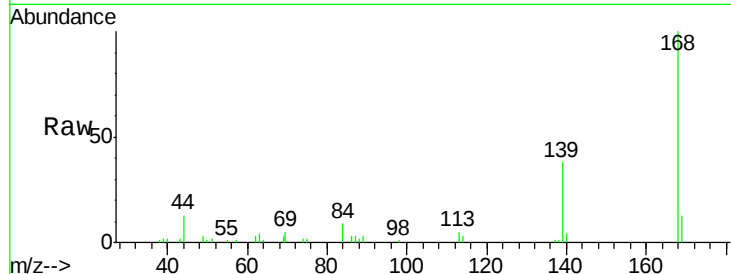




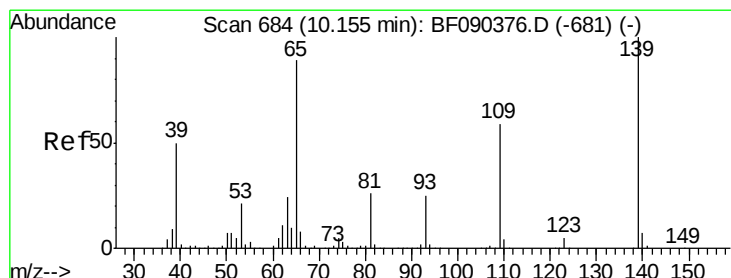
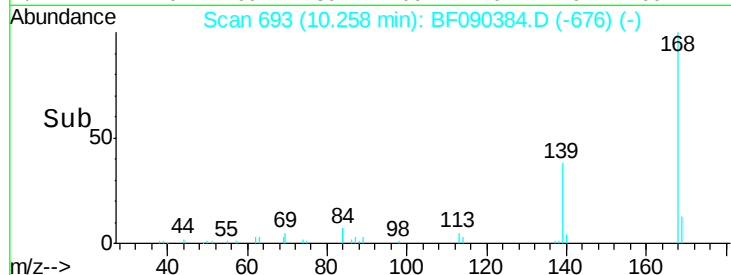
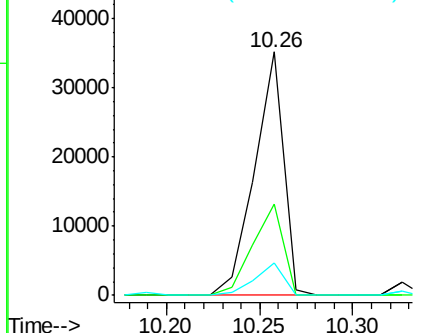
#54
Dibenzenofuran
Concen: 0.97 ng
RT: 10.26 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion:168 Resp: 37607
Ion Ratio Lower Upper
168 100
139 37.6 29.6 44.4
169 13.2 11.3 16.9

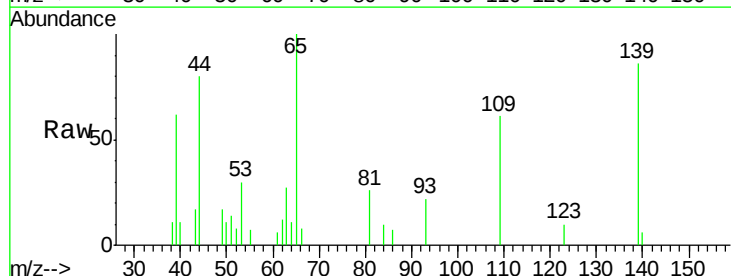


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

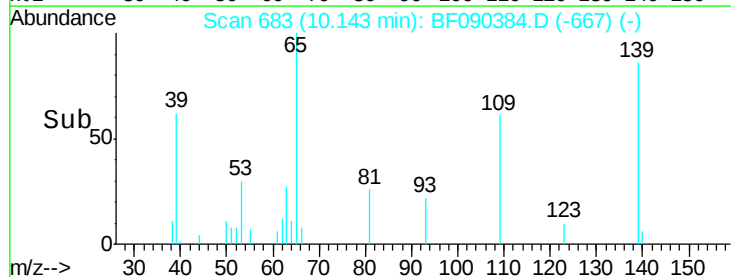
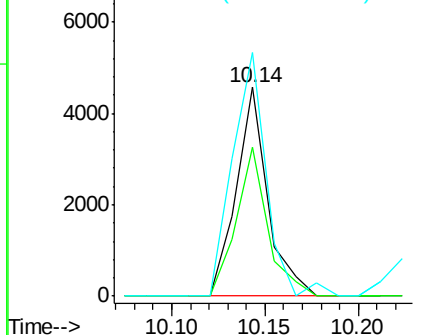


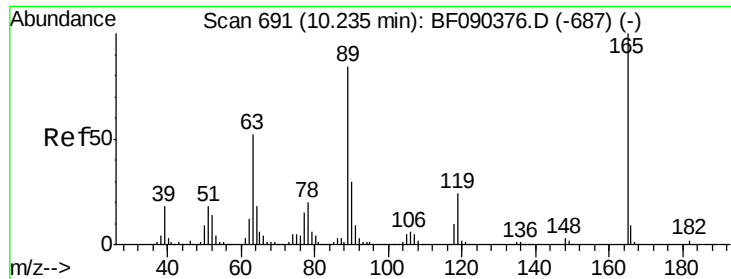
#55
4-Nitrophenol
Concen: 0.70 ng
RT: 10.14 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion:139 Resp: 5384
Ion Ratio Lower Upper
139 100
109 71.0 43.6 83.6
65 116.6 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

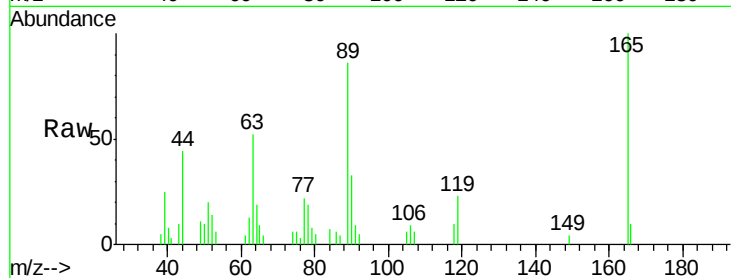




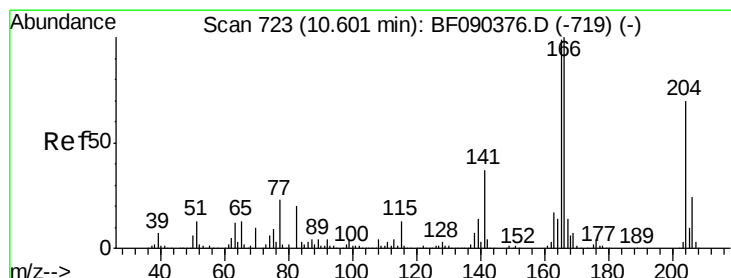
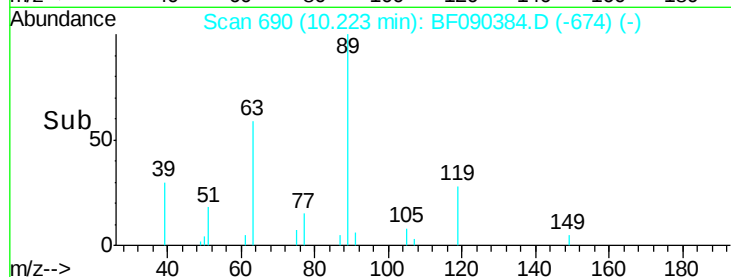
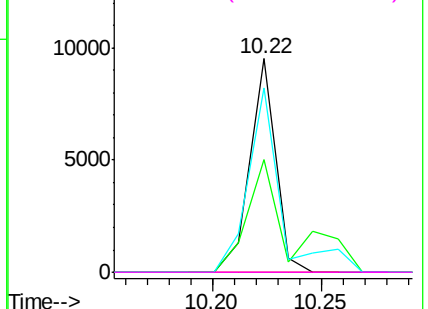
#56
2,4-Dinitrotoluene
Concen: 0.78 ng
RT: 10.22 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	52.5	17.8	26.6#
89	86.0	33.2	49.8#
182	0.0	2.1	3.1#

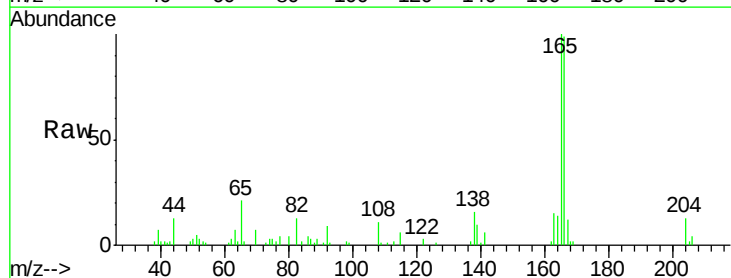


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

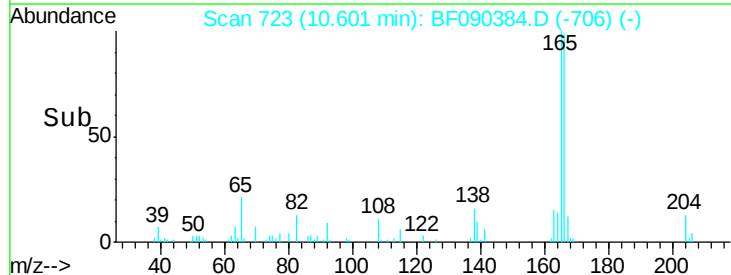
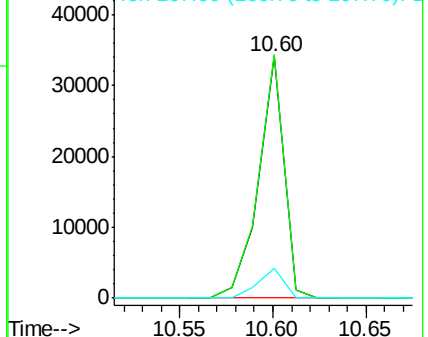


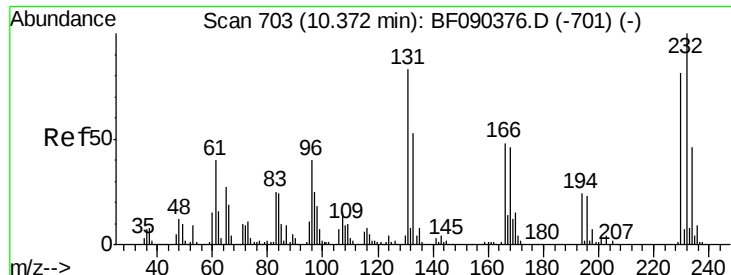
#57
Fluorene
Concen: 0.99 ng
RT: 10.60 min Scan# 723
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.2	118.8
167	12.5	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

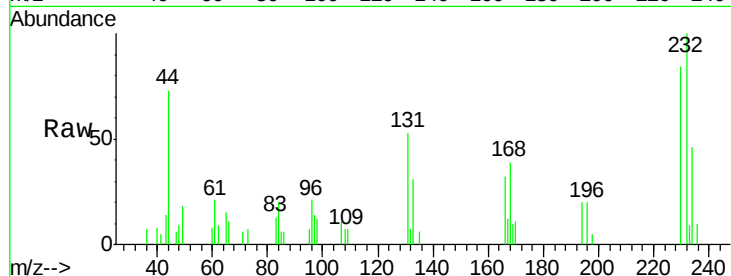




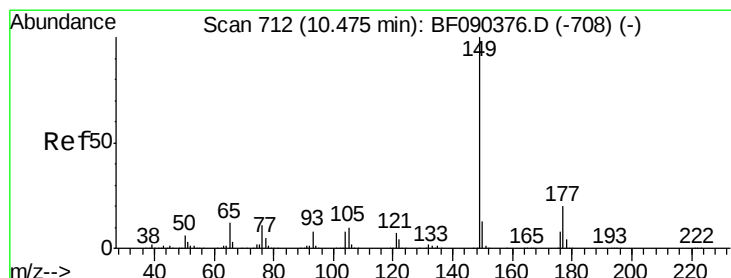
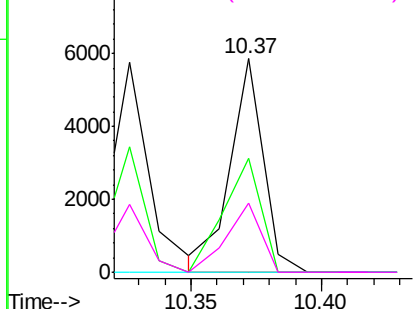
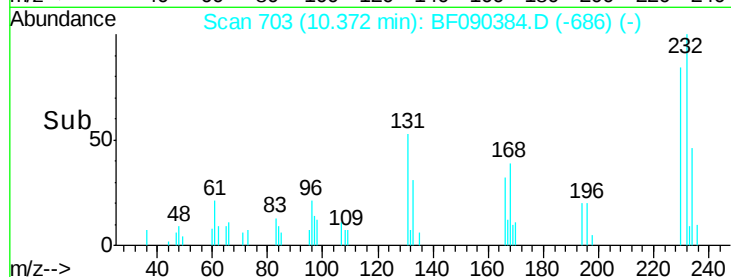
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 0.76 ng
 RT: 10.37 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

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

Tgt Ion: 232 Resp: 5172
 Ion Ratio Lower Upper
 232 100
 131 60.8 34.5 51.7#
 130 0.0 1.6 2.4#
 166 33.6 23.8 35.8

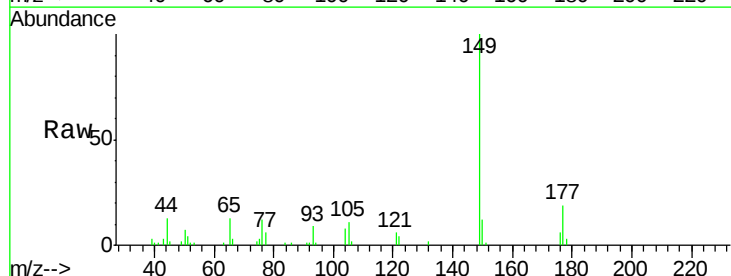


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

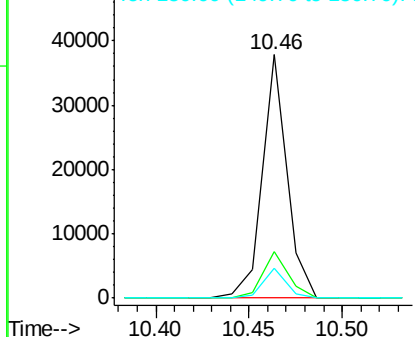
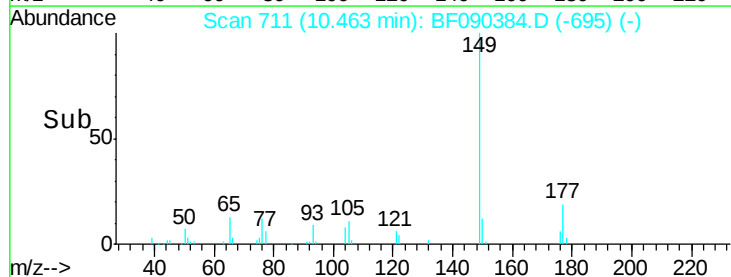


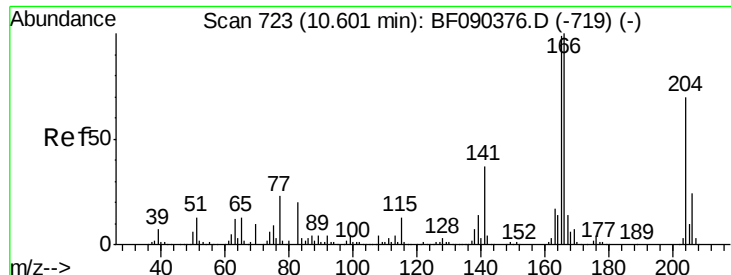
#59
 Diethylphthalate
 Concen: 0.98 ng
 RT: 10.46 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion: 149 Resp: 34280
 Ion Ratio Lower Upper
 149 100
 177 19.2 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

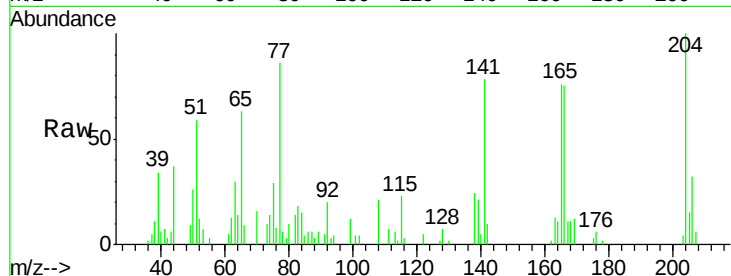




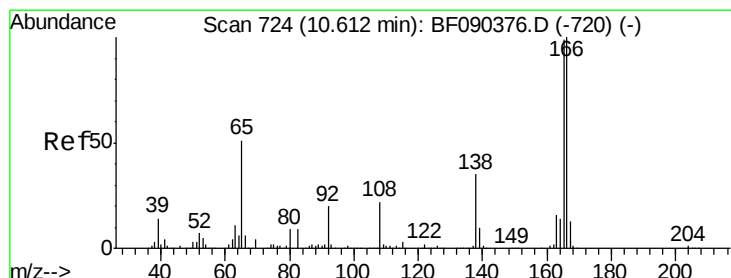
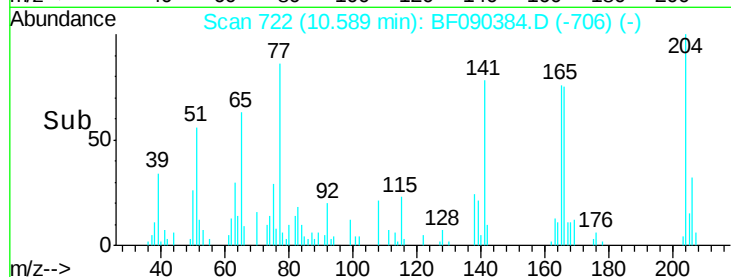
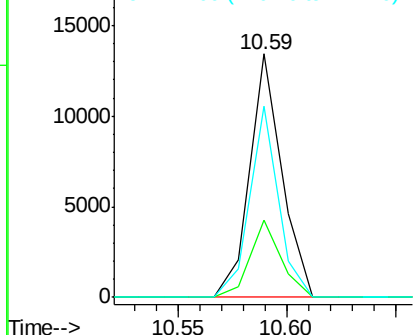
#60
4-Chlorophenyl-phenylether
Concen: 0.93 ng
RT: 10.59 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion:204 Resp: 13785
Ion Ratio Lower Upper
204 100
206 31.9 26.7 40.1
141 78.3 51.7 77.5#

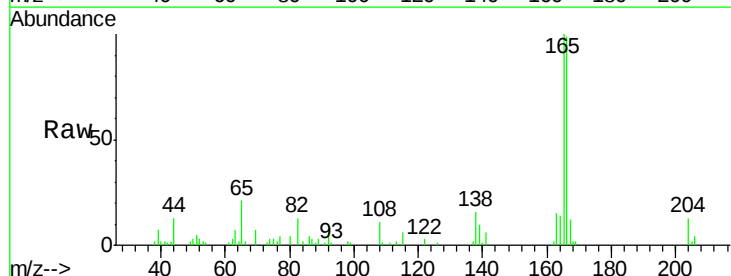


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

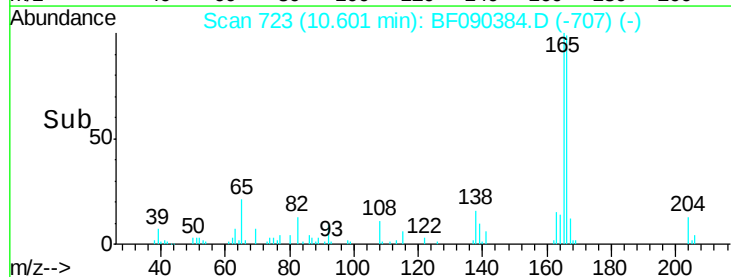
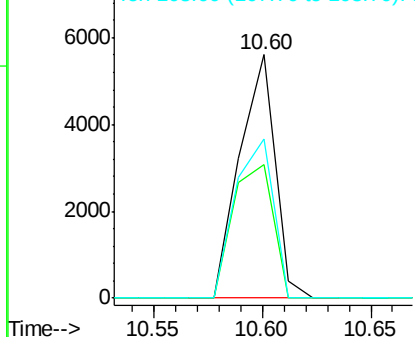


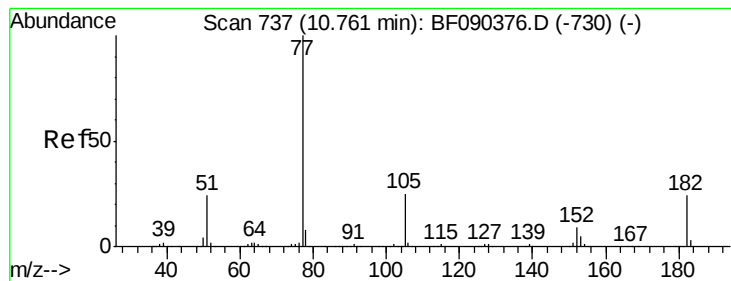
#61
4-Nitroaniline
Concen: 0.71 ng
RT: 10.60 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion:138 Resp: 6333
Ion Ratio Lower Upper
138 100
92 54.7 33.2 73.2
108 65.2 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: 0.95 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

Tgt Ion: 77 Resp: 38615

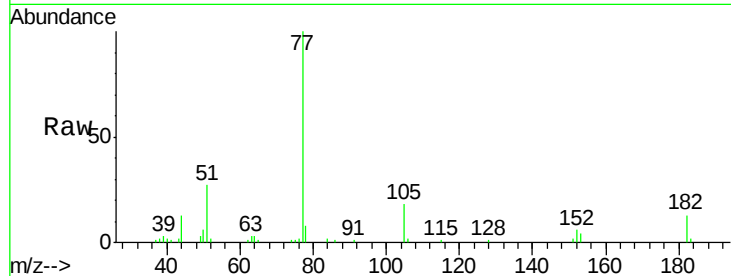
Ion Ratio Lower Upper

77 100

182 12.7 3.2 43.2

105 18.3 2.9 42.9

51 27.4 14.2 54.2

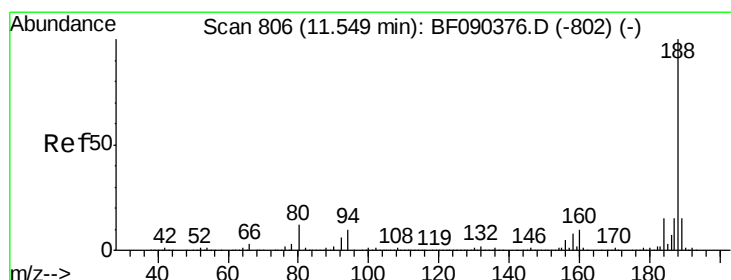
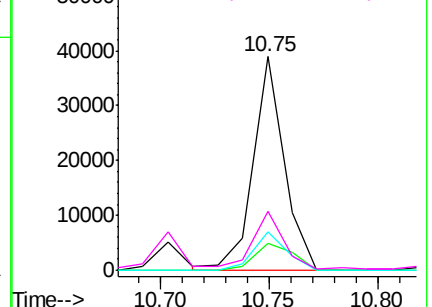
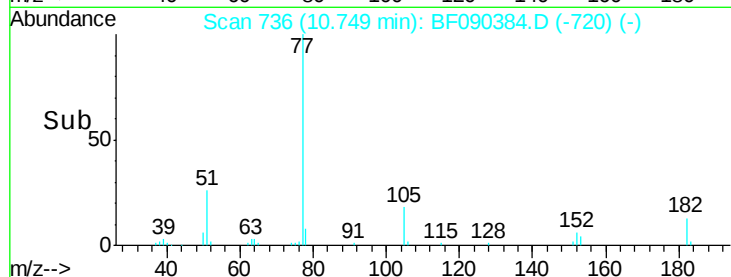


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF090384.D

Acq: 5 Oct 2016 16:30

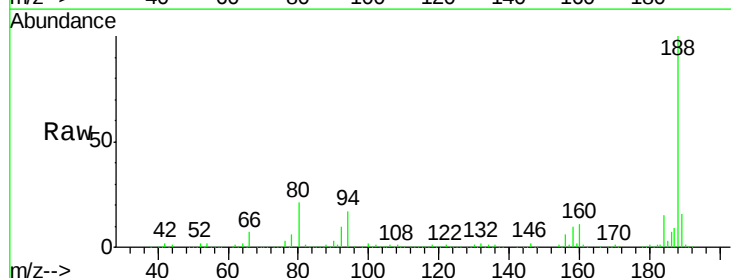
Tgt Ion: 188 Resp: 812768

Ion Ratio Lower Upper

188 100

94 17.3 8.2 12.2#

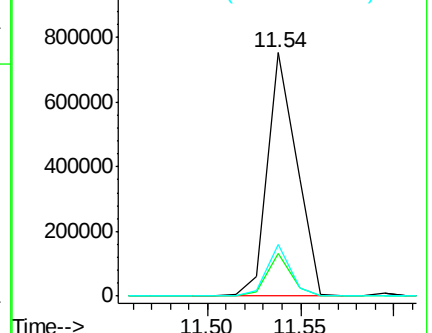
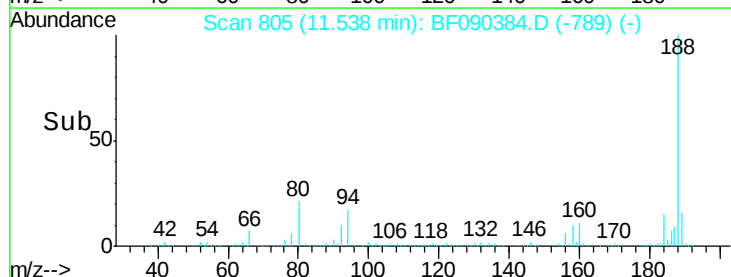
80 21.2 8.8 13.2#

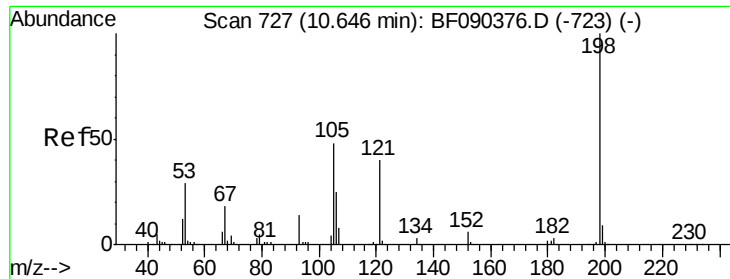


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

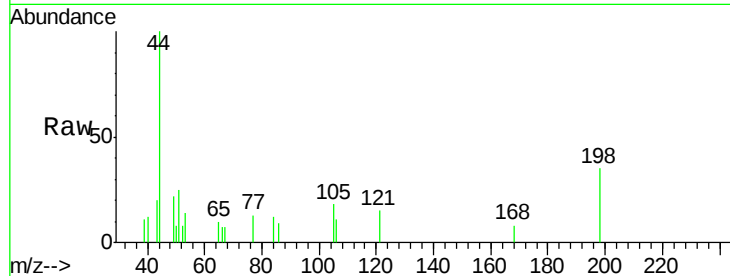




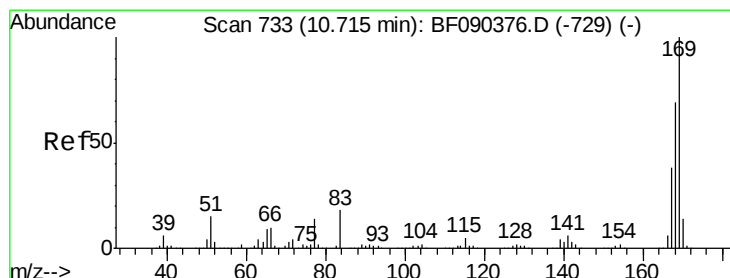
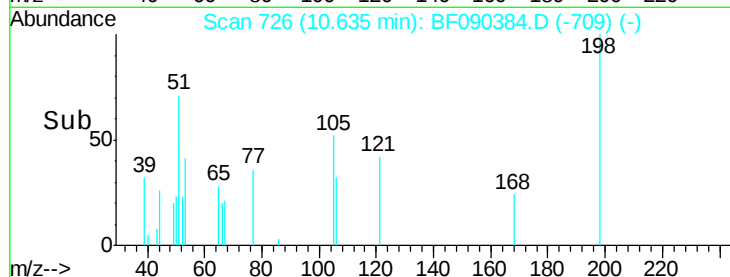
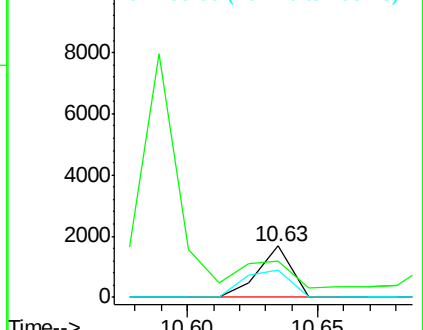
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.68 ng
 RT: 10.63 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

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

Tgt Ion:198 Resp: 1481
 Ion Ratio Lower Upper
 198 100
 51 70.6 67.3 107.3
 105 52.2 42.6 82.6

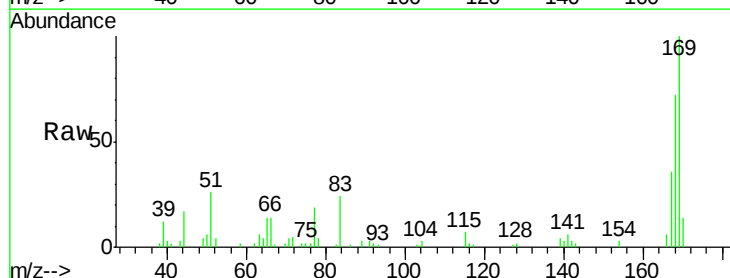


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

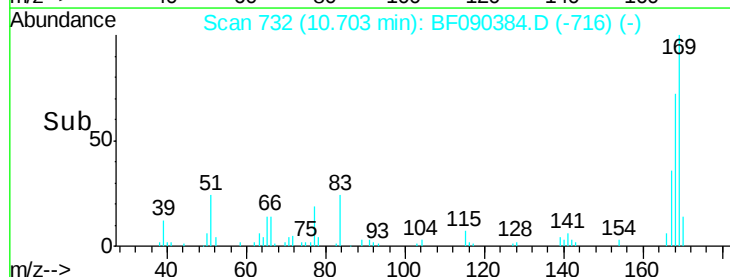
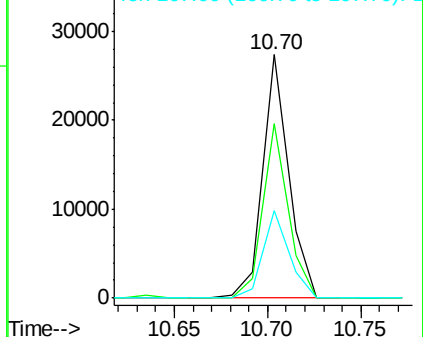


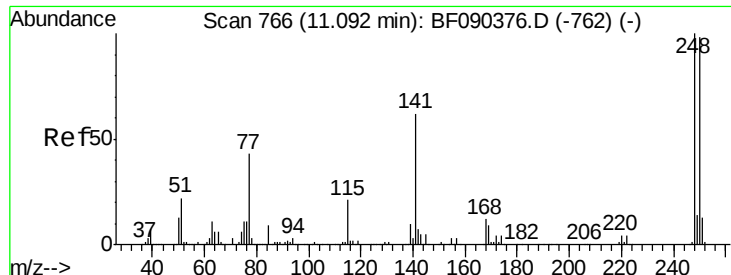
#65
 n-Nitrosodiphenylamine
 Concen: 0.96 ng
 RT: 10.70 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:169 Resp: 26233
 Ion Ratio Lower Upper
 169 100
 168 71.6 53.8 80.6
 167 36.0 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

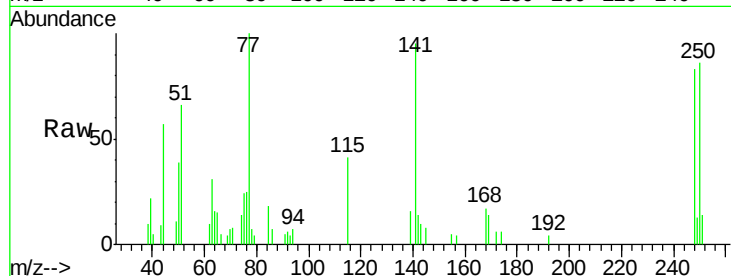




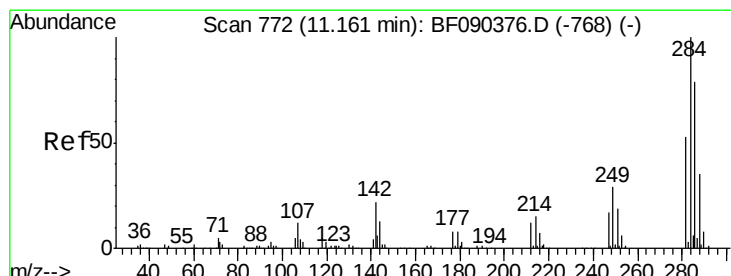
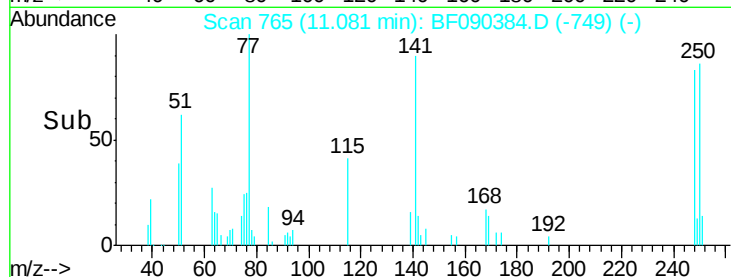
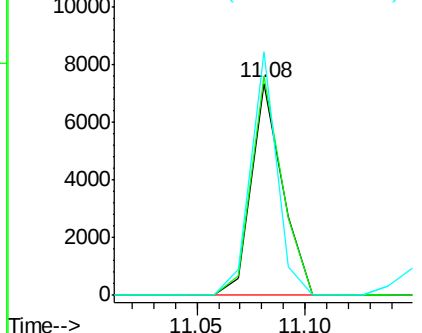
#66
 4-Bromophenyl-phenylether
 Concen: 0.91 ng
 RT: 11.08 min Scan# 765
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

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

Tgt Ion:248 Resp: 7281
 Ion Ratio Lower Upper
 248 100
 250 103.5 76.5 114.7
 141 114.8 59.8 89.6#

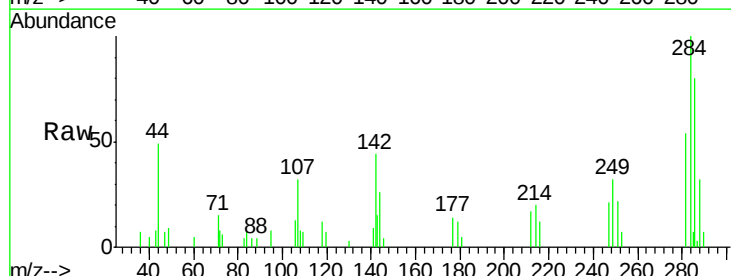


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

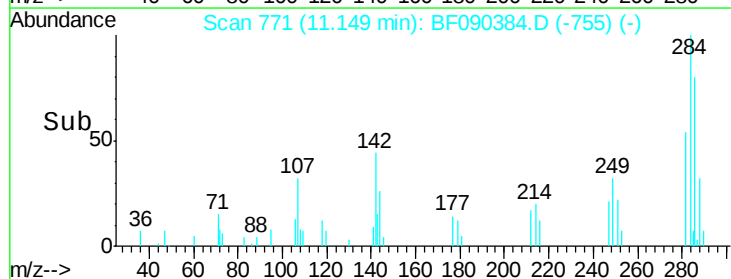
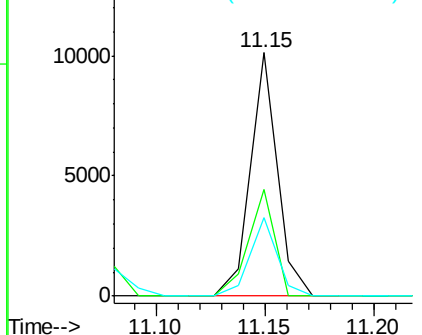


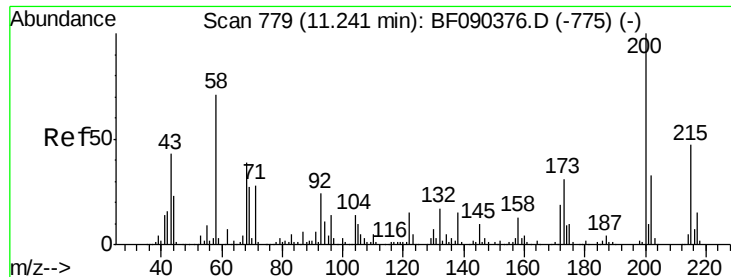
#67
 Hexachlorobenzene
 Concen: 0.99 ng
 RT: 11.15 min Scan# 771
 Delta R.T. -0.01 min
 Lab File: BF090384.D
 Acq: 5 Oct 2016 16:30

Tgt Ion:284 Resp: 8749
 Ion Ratio Lower Upper
 284 100
 142 43.6 23.1 34.7#
 249 32.4 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

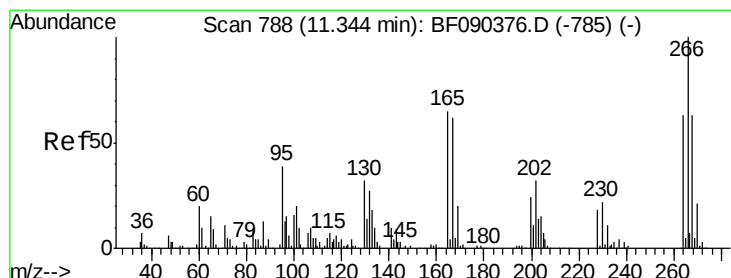
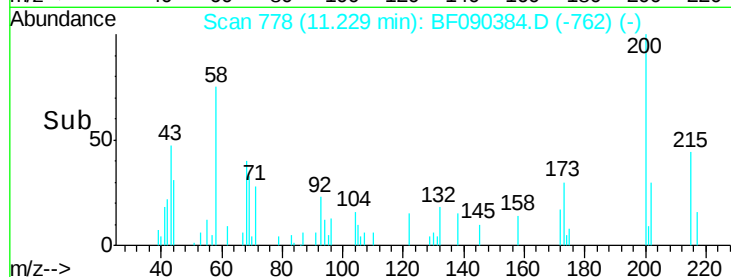
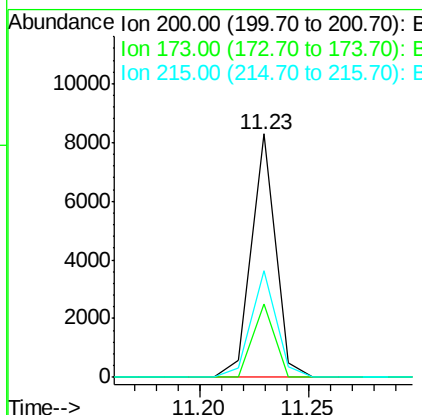
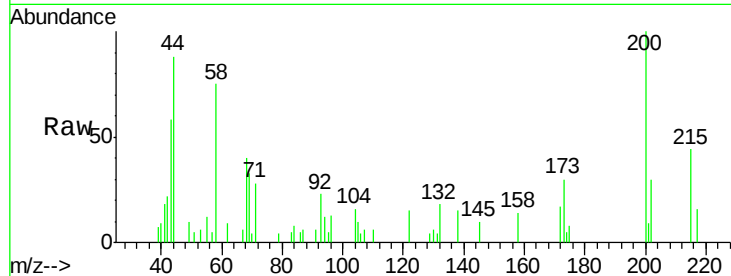




#68
Atrazine
Concen: 0.96 ng
RT: 11.23 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

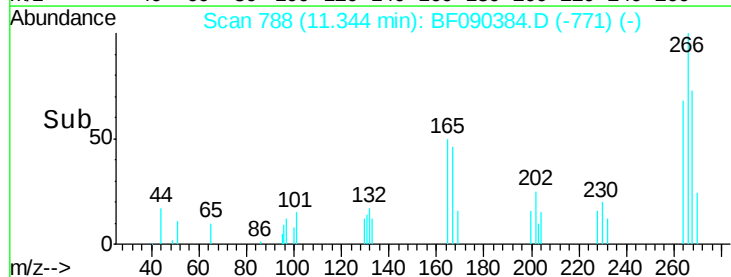
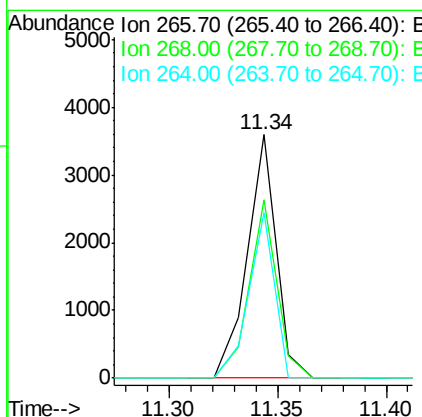
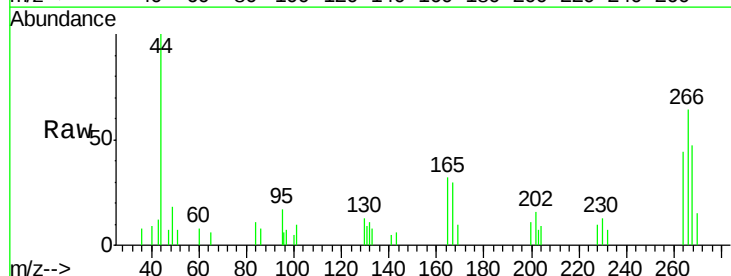
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

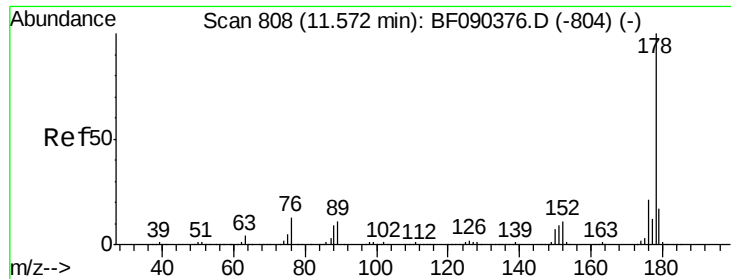
Tgt Ion:200 Resp: 6419
Ion Ratio Lower Upper
200 100
173 30.0 9.0 49.0
215 43.8 24.8 64.8



#69
Pentachlorophenol
Concen: 0.63 ng
RT: 11.34 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion:266 Resp: 3311
Ion Ratio Lower Upper
266 100
268 73.4 50.9 76.3
264 68.1 51.5 77.3

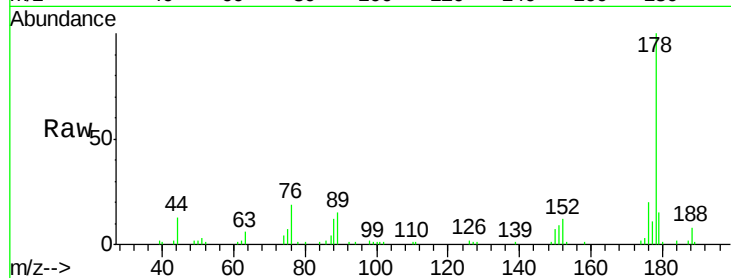




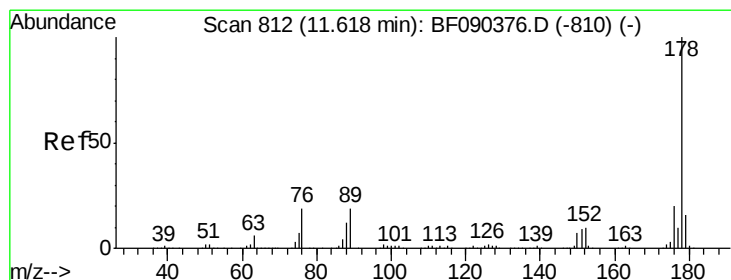
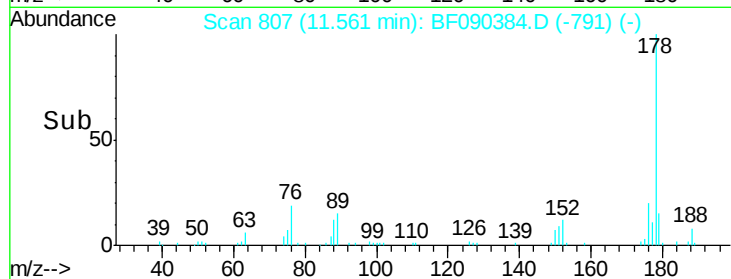
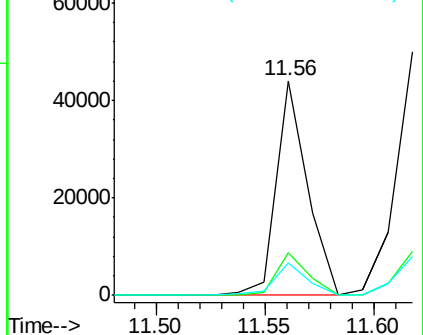
#70
Phenanthrene
Concen: 1.06 ng
RT: 11.56 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion:178 Resp: 44152
Ion Ratio Lower Upper
178 100
176 20.0 17.3 25.9
179 15.1 13.8 20.6

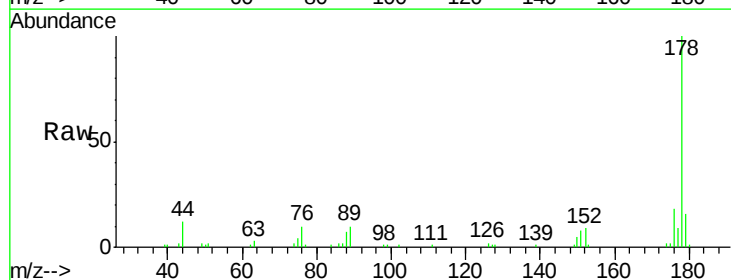


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

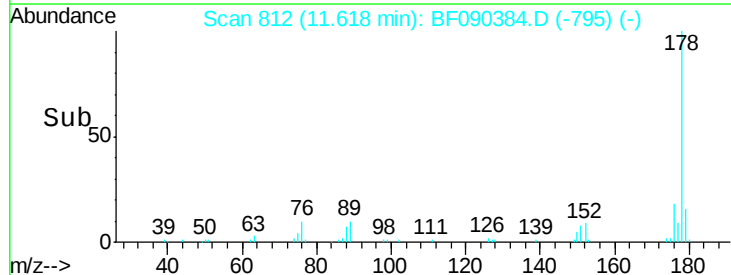
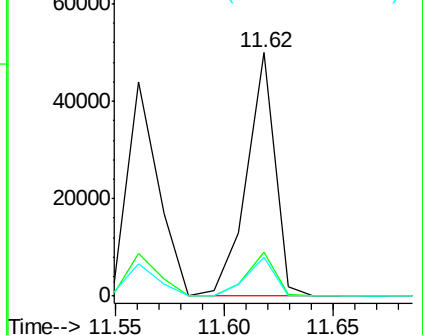


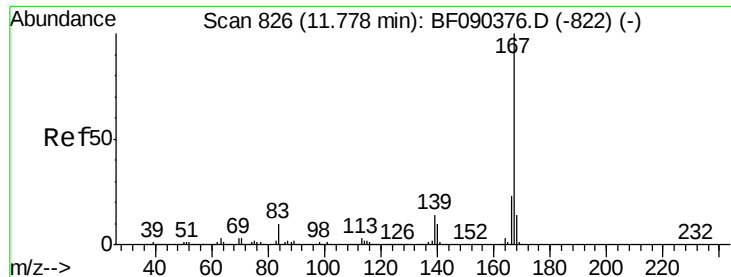
#71
Anthracene
Concen: 1.06 ng
RT: 11.62 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion:178 Resp: 45185
Ion Ratio Lower Upper
178 100
176 18.1 16.8 25.2
179 15.7 13.4 20.2



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





#72

Carbazole

Concen: 1.13 ng

RT: 11.77 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

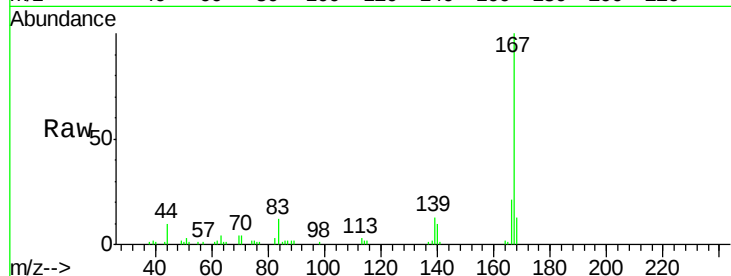
Tgt Ion:167 Resp: 44543

Ion Ratio Lower Upper

167 100

166 21.4 19.1 28.7

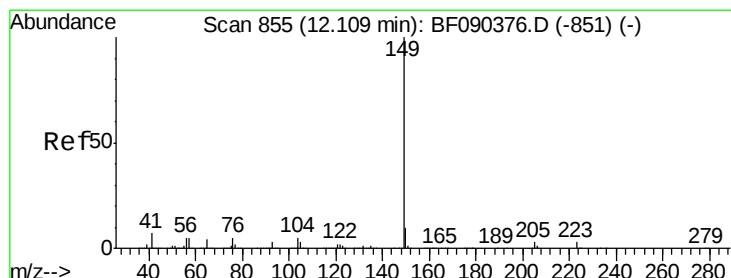
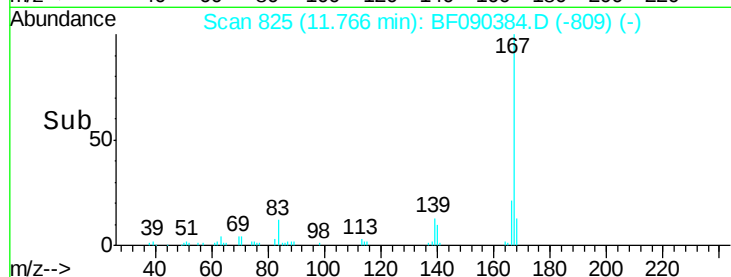
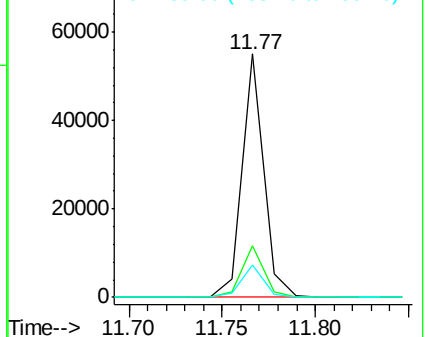
139 13.3 12.1 18.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 1.04 ng

RT: 12.10 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

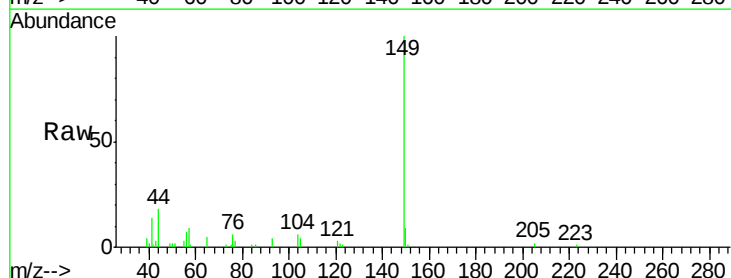
Tgt Ion:149 Resp: 50062

Ion Ratio Lower Upper

149 100

150 9.3 8.6 12.8

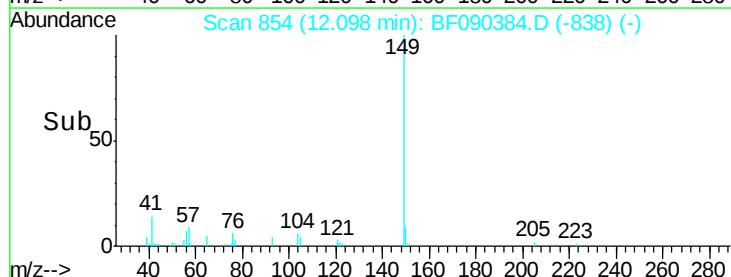
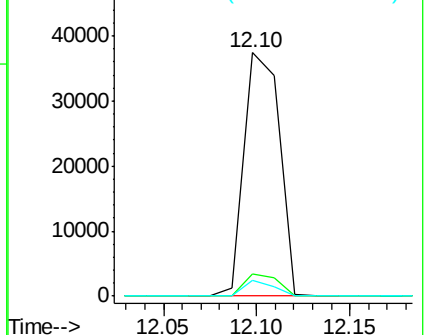
104 6.3 4.7 7.1

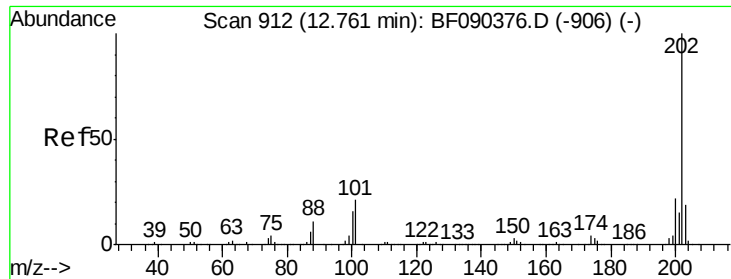


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

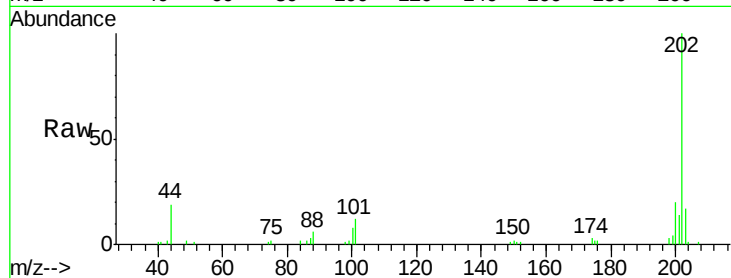




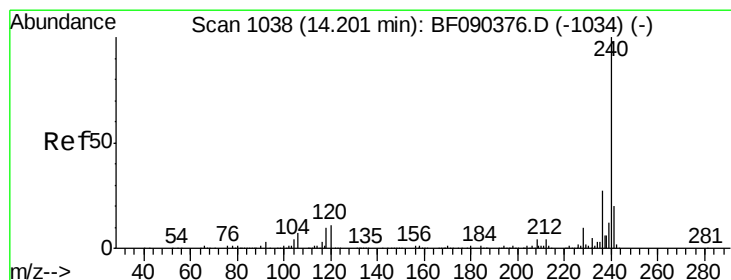
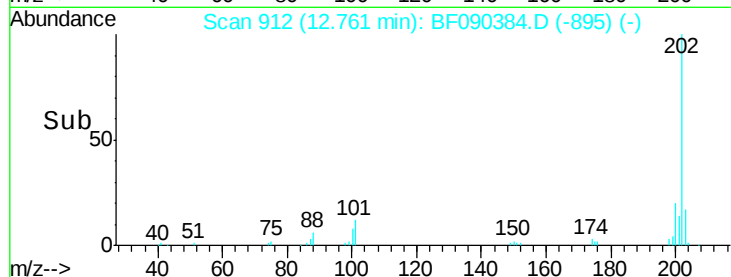
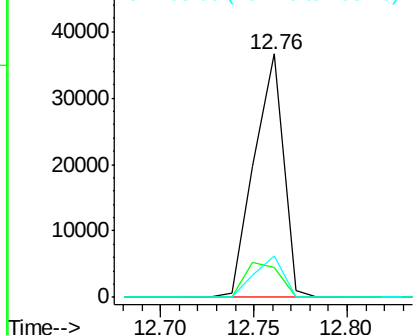
#74
Fluoranthene
Concen: 0.98 ng
RT: 12.76 min Scan# 912
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	39863		
101	12.4	0.0	37.2	
203	16.9	0.0	39.3	

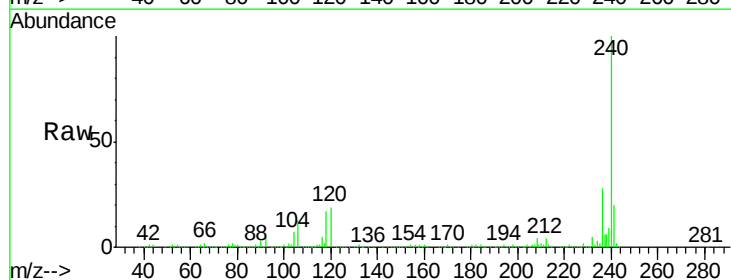


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

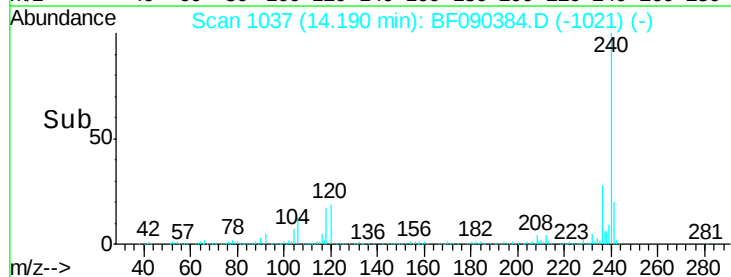
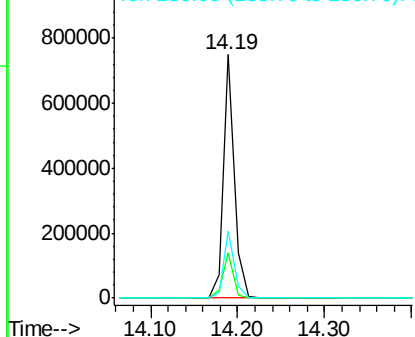


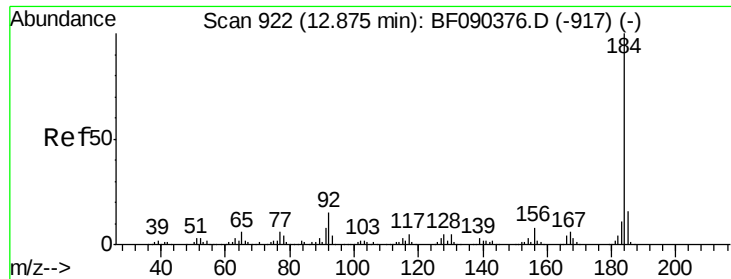
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	665167		
120	18.8	8.6	13.0#	
236	27.5	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: 3.54 ng

RT: 12.88 min Scan# 922

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

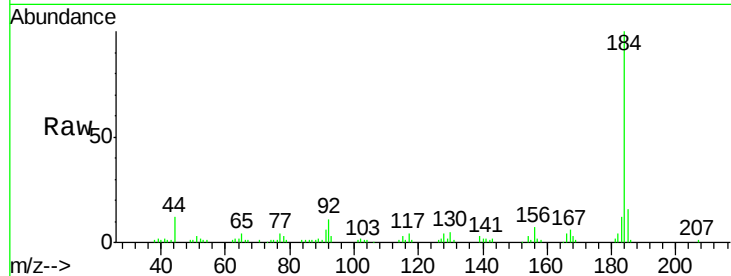
Tgt Ion:184 Resp: 61998

Ion Ratio Lower Upper

184 100

185 15.6 11.8 17.8

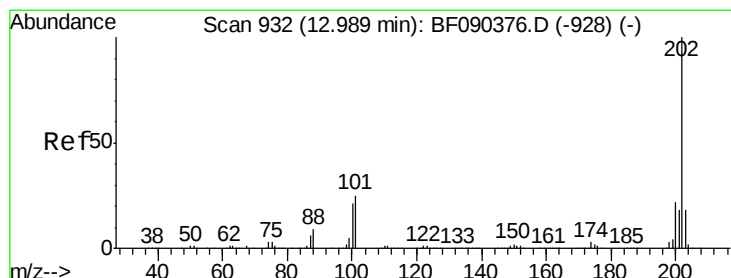
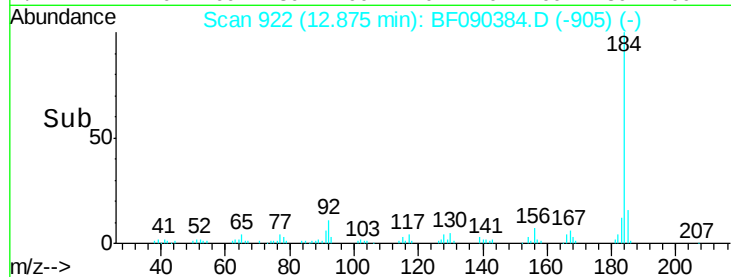
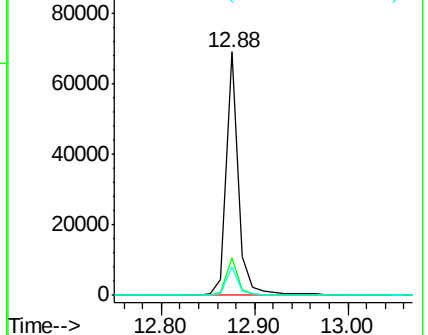
183 11.8 9.6 14.4



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: 0.97 ng

RT: 12.99 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

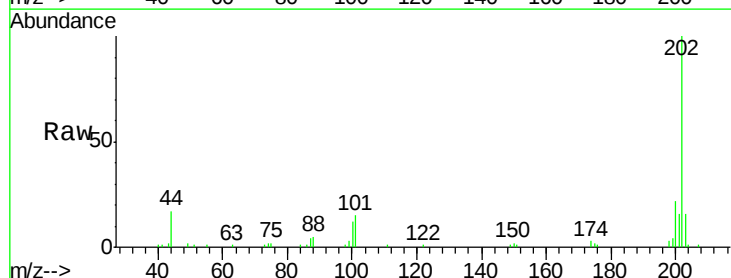
Tgt Ion:202 Resp: 43112

Ion Ratio Lower Upper

202 100

200 22.0 18.5 27.7

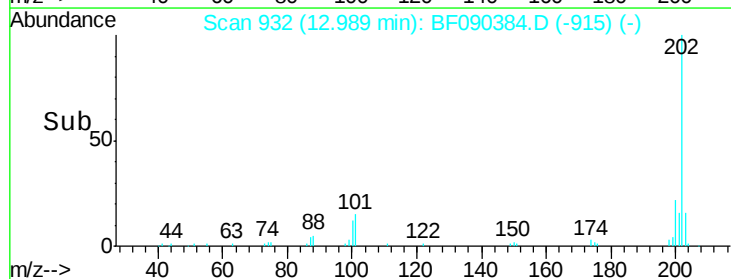
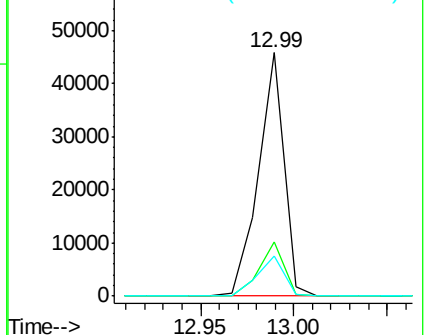
203 16.4 15.0 22.6

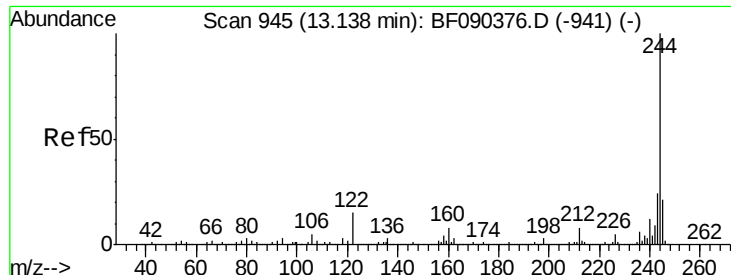


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 87.23 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

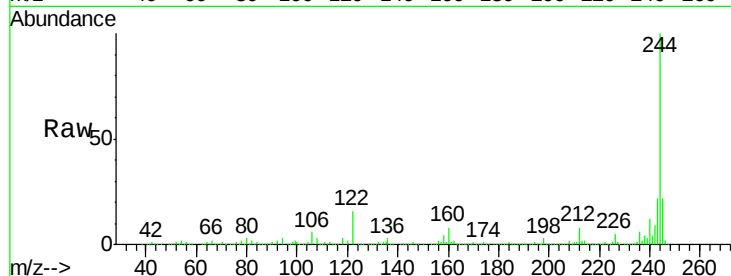
Tgt Ion:244 Resp: 2580981

Ion Ratio Lower Upper

244 100

212 7.9 6.8 10.2

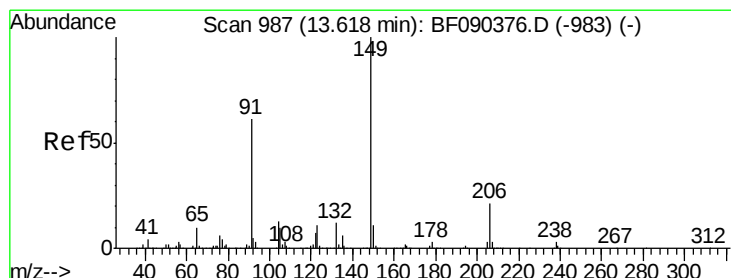
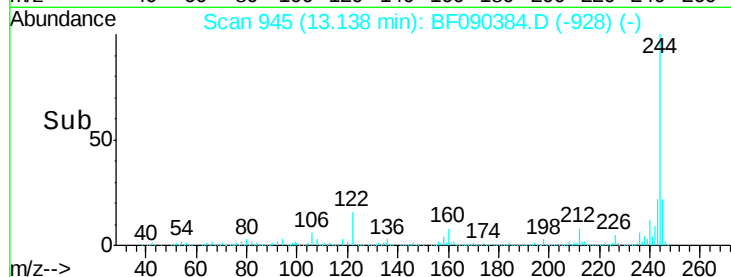
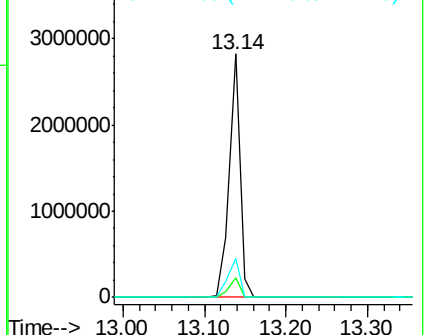
122 15.9 13.3 19.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.89 ng

RT: 13.61 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

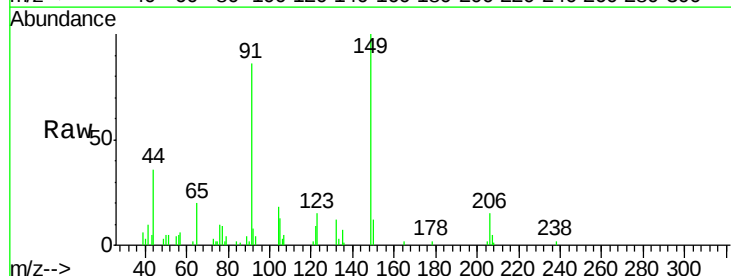
Tgt Ion:149 Resp: 20284

Ion Ratio Lower Upper

149 100

91 85.8 51.8 77.8#

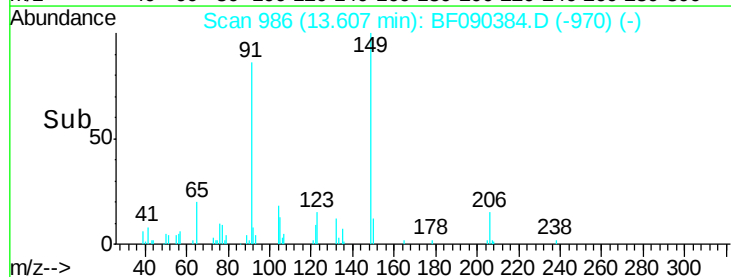
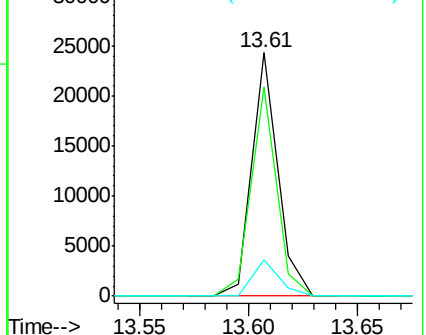
206 14.8 18.0 27.0#

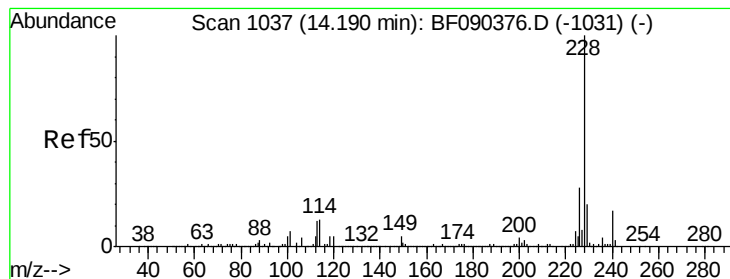


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 1.05 ng

RT: 14.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL2016-01-QT4

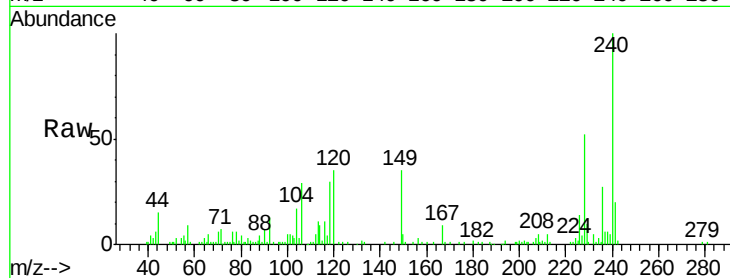
Tgt Ion:228 Resp: 39189

Ion Ratio Lower Upper

228 100

226 27.1 23.6 35.4

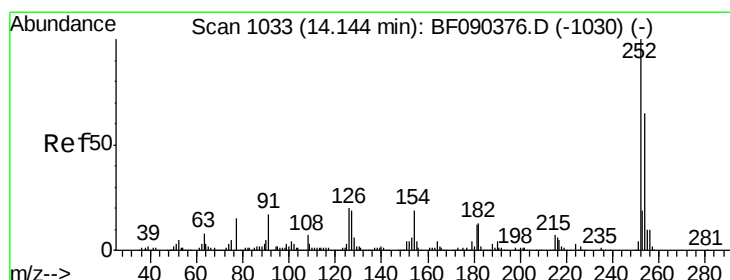
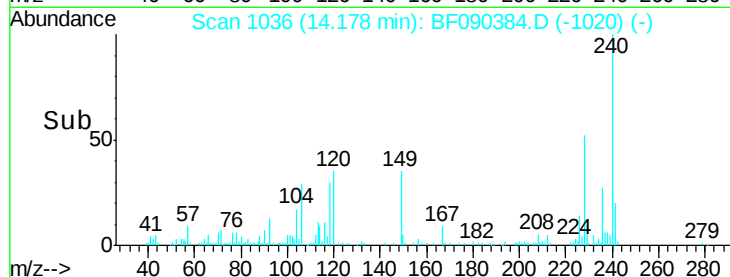
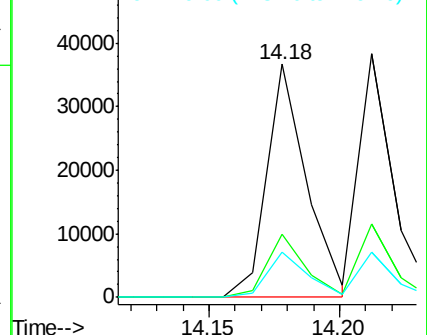
229 19.1 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#81

3,3'-Dichlorobenzidine

Concen: 0.83 ng

RT: 14.14 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF090384.D

Acq: 5 Oct 2016 16:30

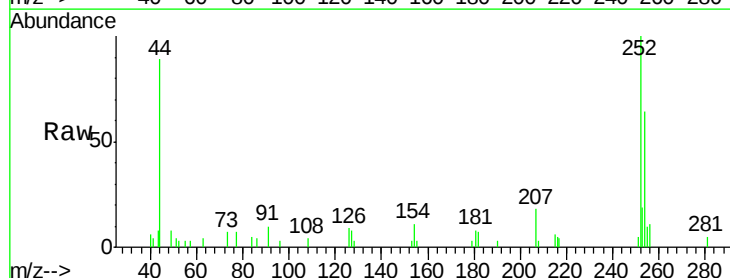
Tgt Ion:252 Resp: 11189

Ion Ratio Lower Upper

252 100

254 63.6 52.1 78.1

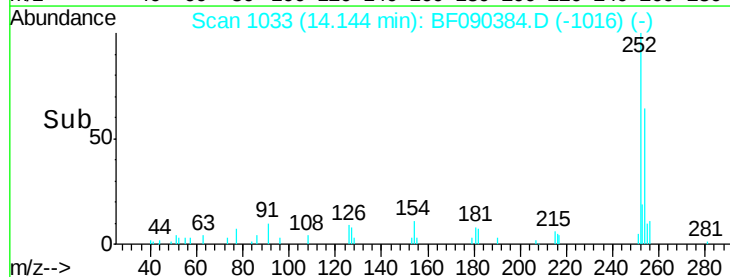
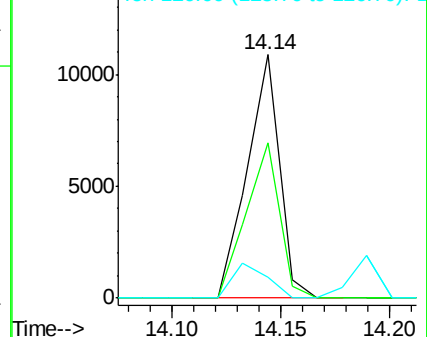
126 8.8 4.2 6.4#

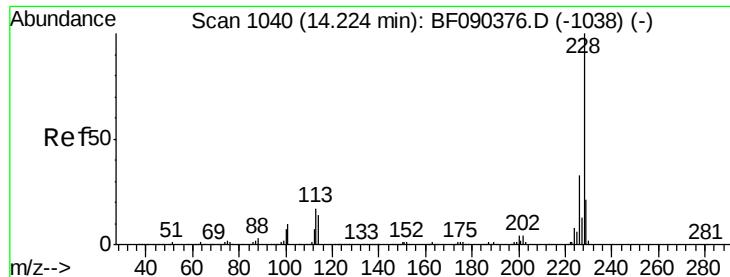


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

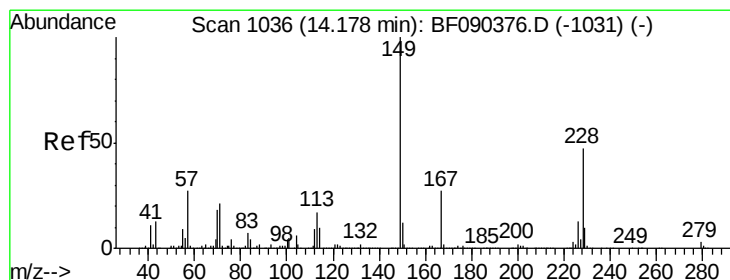
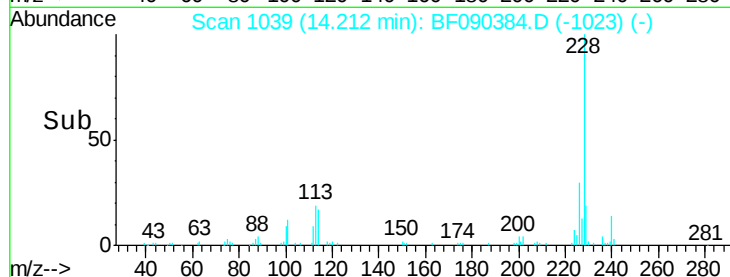
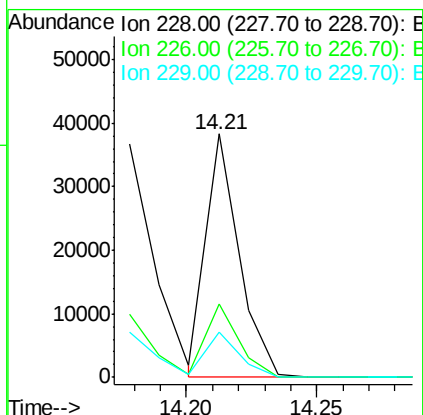
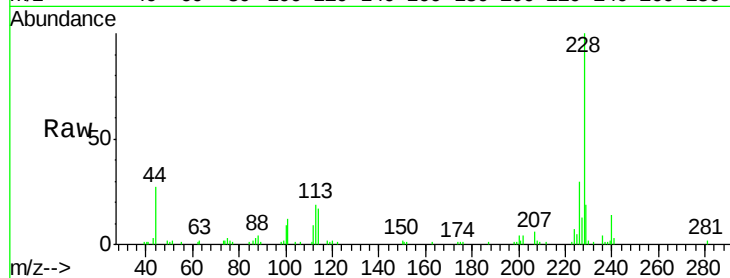




#82
Chrysene
Concen: 0.99 ng
RT: 14.21 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

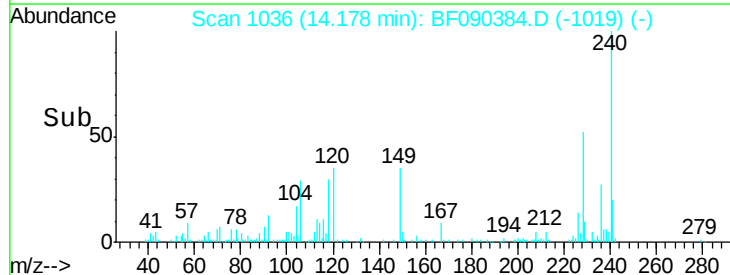
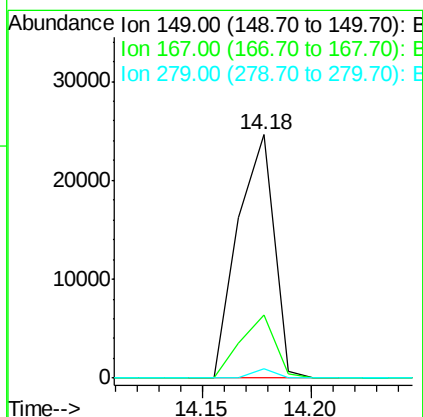
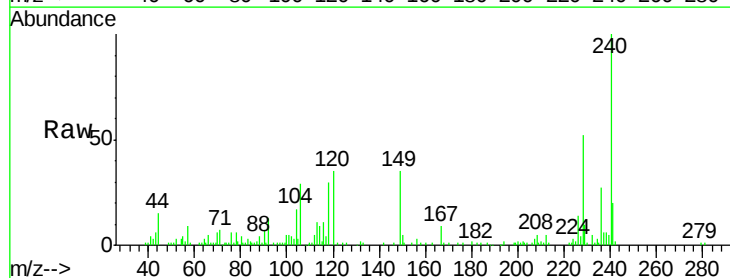
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

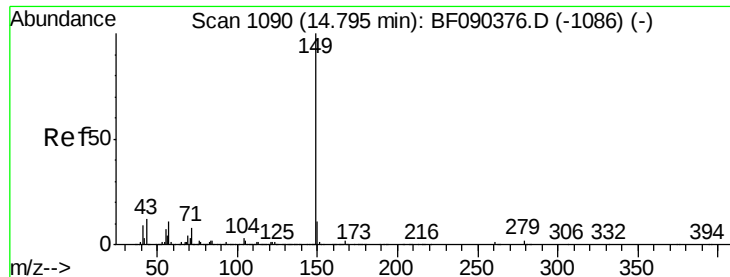
Tgt Ion: 228 Resp: 33948
Ion Ratio Lower Upper
228 100
226 30.1 25.8 38.6
229 18.8 16.9 25.3



#83
Bis(2-ethylhexyl)phthalate
Concen: 0.88 ng
RT: 14.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 149 Resp: 28520
Ion Ratio Lower Upper
149 100
167 25.9 21.5 32.3
279 4.0 2.6 3.8#

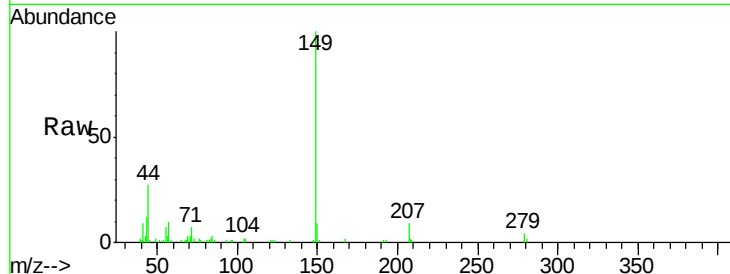




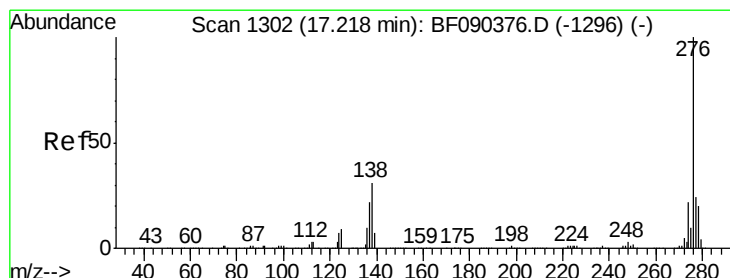
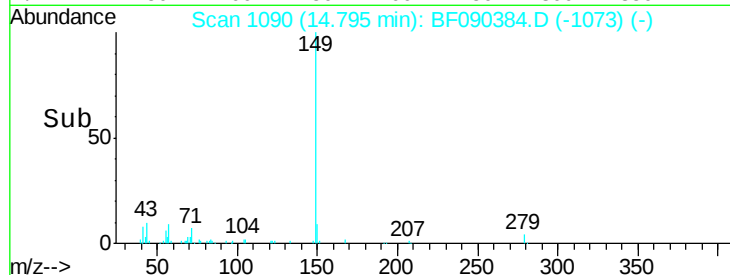
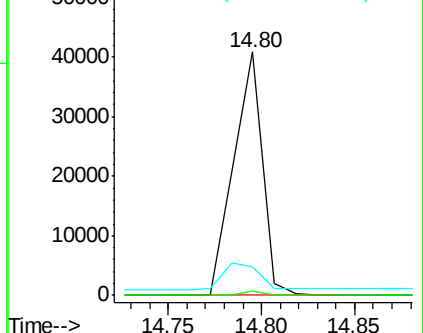
#84
Di-n-octyl phthalate
Concen: 0.92 ng
RT: 14.80 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion:149 Resp: 43916
Ion Ratio Lower Upper
149 100
167 1.1 1.3 1.9#
43 15.0 11.8 17.8

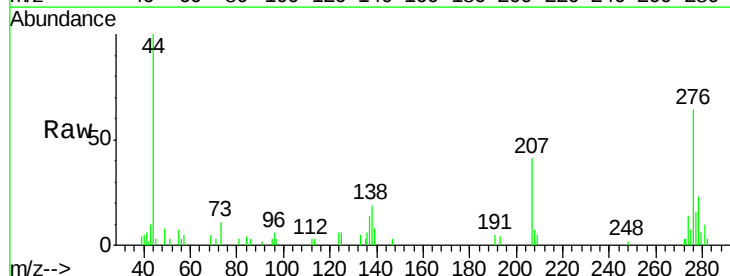


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

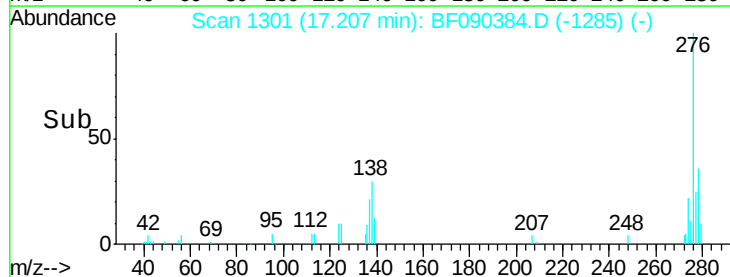
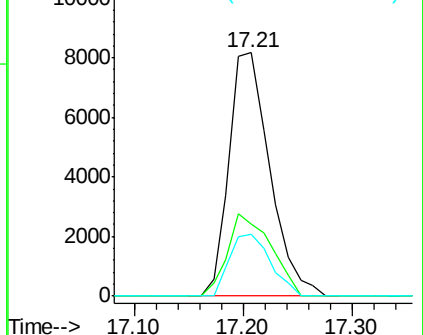


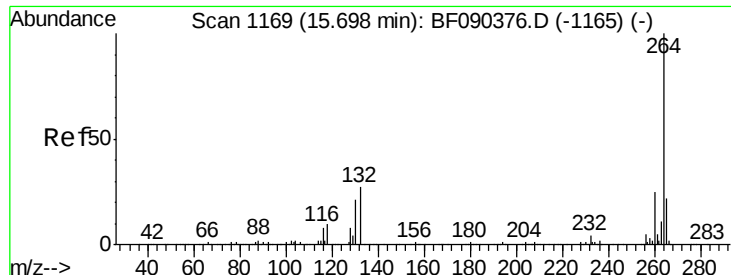
#85
Indeno(1,2,3-cd)pyrene
Concen: 0.87 ng
RT: 17.21 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion:276 Resp: 21202
Ion Ratio Lower Upper
276 100
138 35.9 23.8 35.8#
277 25.3 20.4 30.6



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

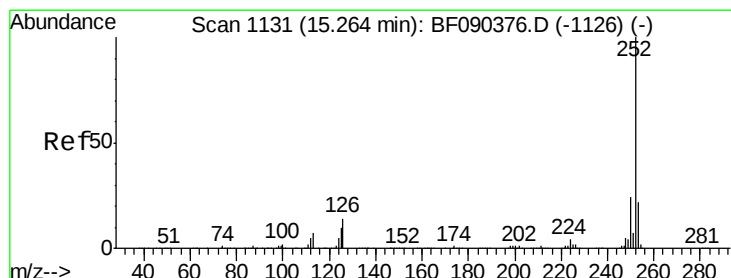
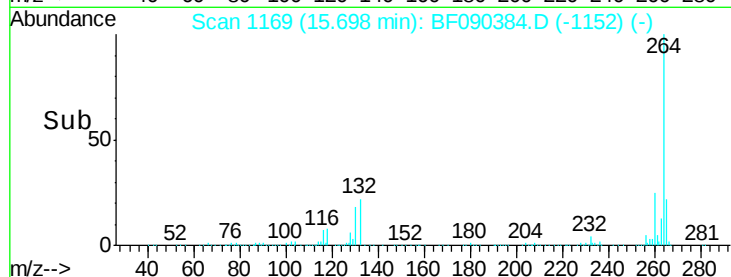
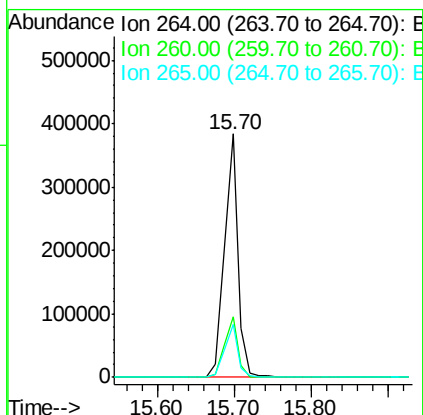
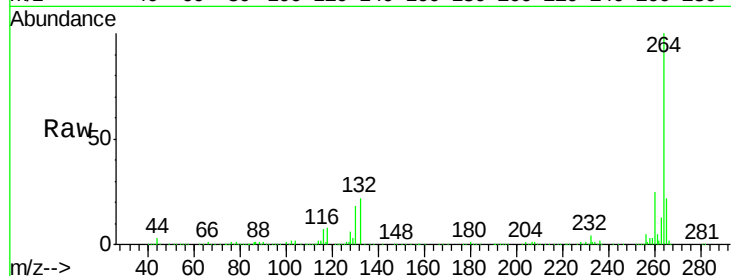




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

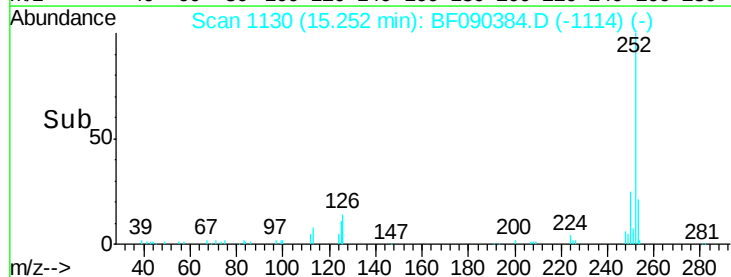
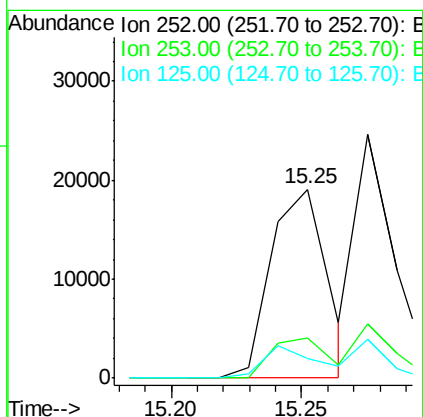
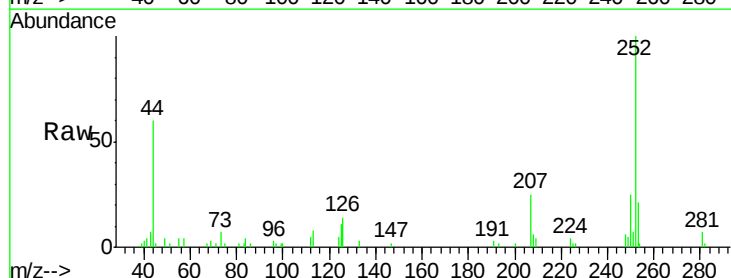
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

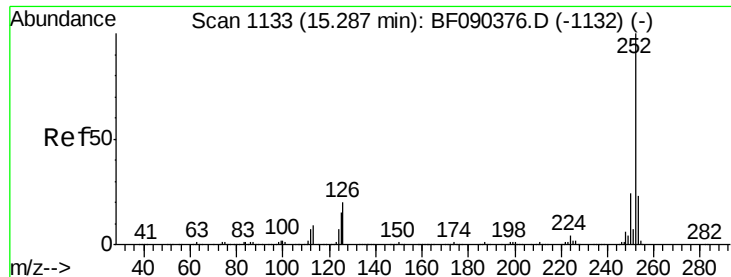
Tgt Ion: 264 Resp: 481589
Ion Ratio Lower Upper
264 100
260 24.9 19.3 28.9
265 21.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 0.93 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 252 Resp: 28505
Ion Ratio Lower Upper
252 100
253 21.1 18.2 27.2
125 10.5 7.0 10.4#

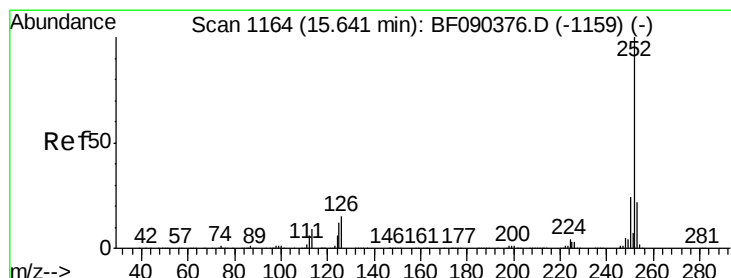
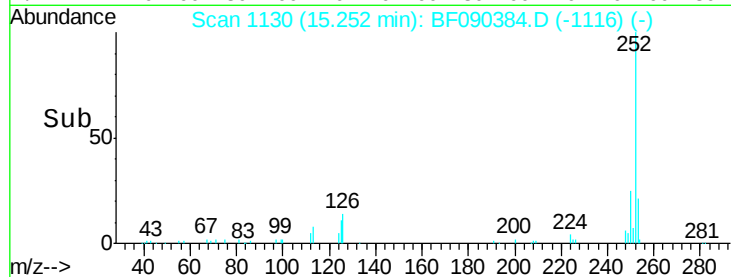
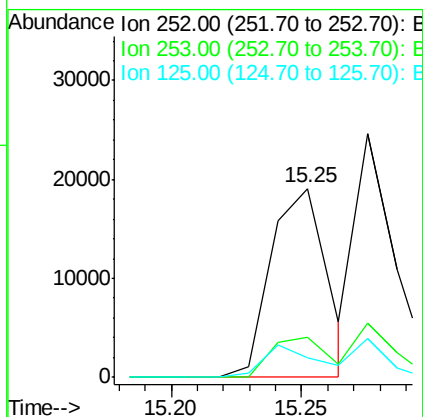
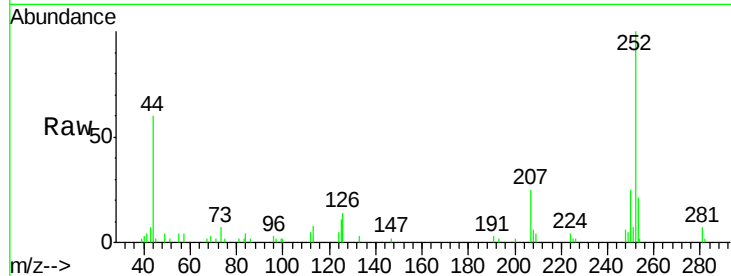




#88
Benzo(k)fluoranthene
Concen: 0.99 ng
RT: 15.25 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

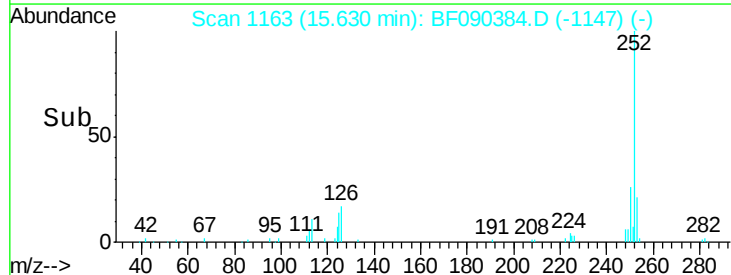
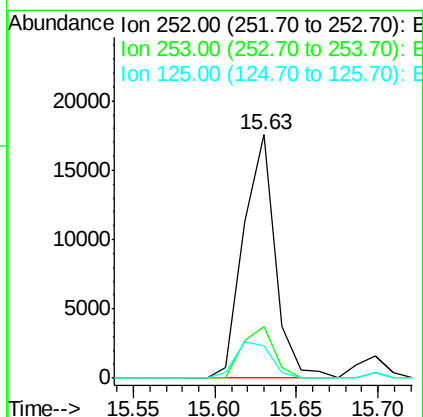
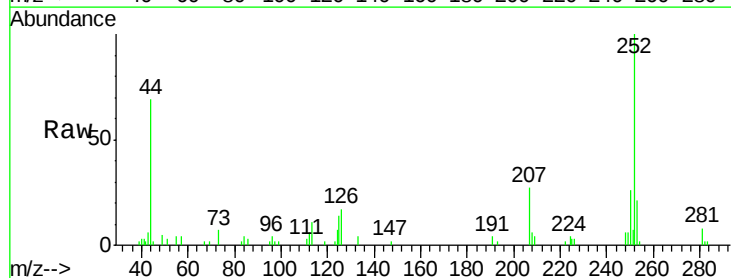
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL2016-01-QT4

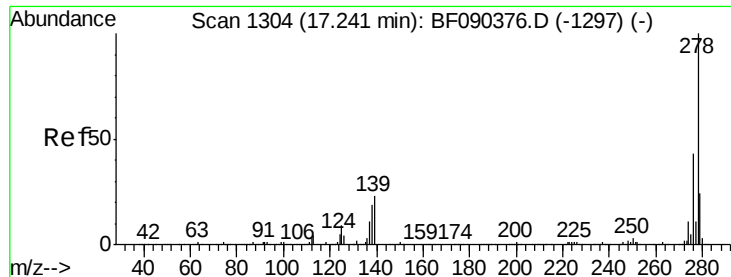
Tgt Ion: 252 Resp: 28505
Ion Ratio Lower Upper
252 100
253 21.1 18.6 27.8
125 10.5 11.7 17.5#



#89
Benzo(a)pyrene
Concen: 0.89 ng
RT: 15.63 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 252 Resp: 23543
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.4
125 13.5 9.8 14.8

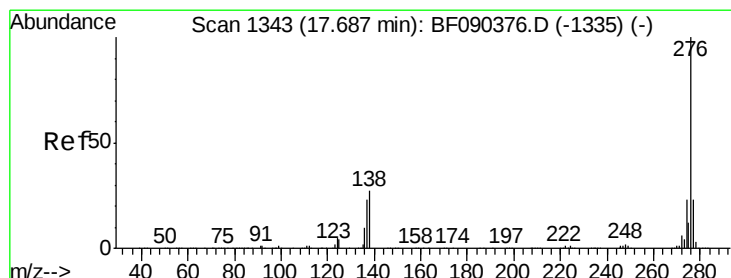
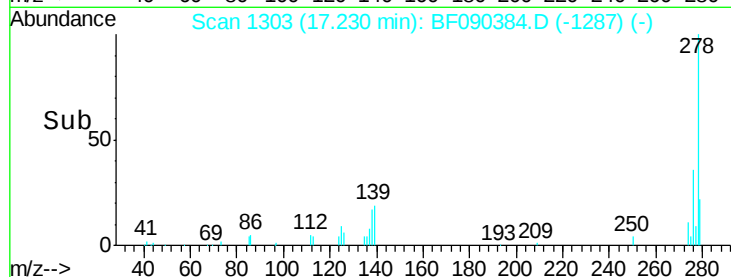
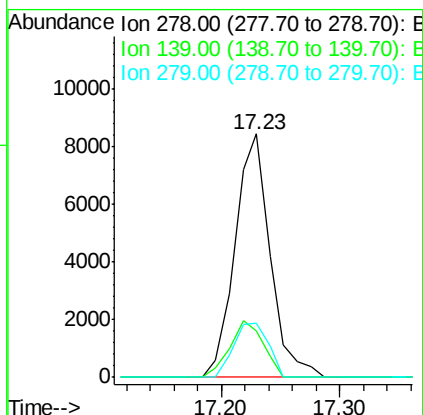
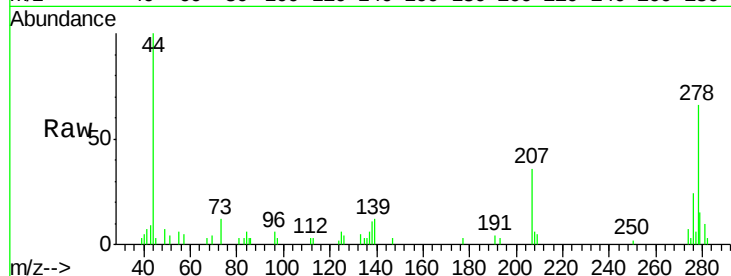




#90
Dibenzo(a,h)anthracene
Concen: 0.77 ng
RT: 17.23 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

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

Tgt Ion: 278 Resp: 17403
Ion Ratio Lower Upper
278 100
139 18.9 12.8 19.2
279 22.5 19.6 29.4



#91
Benzo(g,h,i)perylene
Concen: 0.77 ng
RT: 17.65 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF090384.D
Acq: 5 Oct 2016 16:30

Tgt Ion: 276 Resp: 16591
Ion Ratio Lower Upper
276 100
277 24.5 19.4 29.0
138 30.4 20.8 31.2

