

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
 Data File : BF090383.D
 Acq On : 5 Oct 2016 16:03
 Operator : UM/SJ
 Sample : H4818-02
 Misc : LOQ 20PPM
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Quant Time: Oct 06 01:05:40 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	248595	20.00	ng	0.00
21) Naphthalene-d8	8.29	136	1086023	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	533081	20.00	ng	0.00
63) Phenanthrene-d10	11.55	188	837810	20.00	ng	0.00
75) Chrysene-d12	14.19	240	681978	20.00	ng	-0.01
86) Perylene-d12	15.70	264	496496	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	2096631	125.87	ng	0.01
7) Phenol-d6	6.62	99	2795697	128.15	ng	0.00
23) Nitrobenzene-d5	7.56	82	2101165	94.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.85	330	627963	144.87	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	3238405	101.22	ng	0.00
78) Terphenyl-d14	13.14	244	2684407	88.49	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.83	88	161737	19.70	ng	# 94
3) Pyridine	3.59	79	427644	18.68	ng	86
4) n-Nitrosodimethylamine	3.51	42	182571	19.32	ng	# 67
6) Aniline	6.66	93	579782	19.24	ng	98
8) 2-Chlorophenol	6.78	128	349540	19.07	ng	83
9) Benzaldehyde	6.54	77	212060	19.23	ng	90
10) Phenol	6.63	94	394840	15.57	ng	# 76
11) bis(2-Chloroethyl)ether	6.74	93	400781	20.64	ng	99
12) 1,3-Dichlorobenzene	7.02	146	364727	19.96	ng	99
13) 1,4-Dichlorobenzene	7.02	146	364727	19.65	ng	95
14) 1,2-Dichlorobenzene	7.17	146	345395	19.32	ng	96
15) Benzyl Alcohol	7.14	79	380714	22.96	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.27	45	672247	20.41	ng	96
17) 2-Methylphenol	7.25	107	311278	20.65	ng	97
18) Hexachloroethane	7.51	117	136940	18.72	ng	# 87
19) n-Nitroso-di-n-propylamine	7.41	70	328267	20.52	ng	# 85
20) 3+4-Methylphenols	7.40	107	404747	20.74	ng	# 88
22) Acetophenone	7.41	105	523156	20.34	ng	# 88
24) Nitrobenzene	7.58	77	485973	21.93	ng	99
25) Isophorone	7.82	82	815126	19.97	ng	99
26) 2-Nitrophenol	7.90	139	187893	19.70	ng	# 88
27) 2,4-Dimethylphenol	7.94	122	376567	20.30	ng	98
28) bis(2-Chloroethoxy)methane	8.03	93	459110	19.02	ng	# 96
29) 2,4-Dichlorophenol	8.14	162	278815	19.77	ng	94
30) 1,2,4-Trichlorobenzene	8.23	180	282946	19.46	ng	97
31) Naphthalene	8.31	128	1065810	20.34	ng	97
32) Benzoic acid	8.03	122	244356	18.94	ng	94
33) 4-Chloroaniline	8.36	127	407665	18.82	ng	# 90
34) Hexachlorobutadiene	8.43	225	140759	17.33	ng	99
35) Caprolactam	8.70	113	86624	18.27	ng	# 88
36) 4-Chloro-3-methylphenol	8.83	107	310834	17.60	ng	92
37) 2-Methylnaphthalene	9.00	142	612095	19.30	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.17	216	266756	18.98	ng	# 96
40) Hexachlorocyclopentadiene	9.16	237	137526	17.85	ng	99

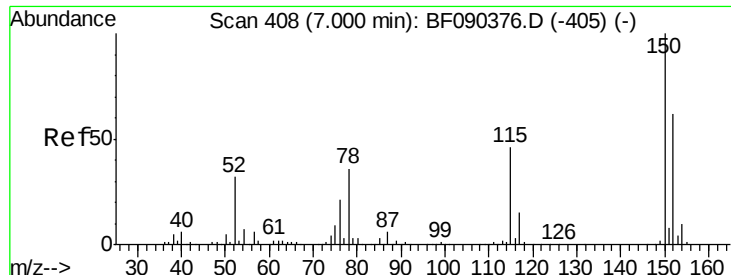
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.29	196	184764	19.05	ng	100
43) 2,4,5-Trichlorophenol	9.32	196	181780	19.82	ng	95
45) 1,1'-Biphenyl	9.47	154	807141	20.43	ng	93
46) 2-Chloronaphthalene	9.49	162	562778	19.28	ng	97
47) 2-Nitroaniline	9.58	65	238341	20.70	ng	# 86
48) Acenaphthylene	9.91	152	1019190	21.16	ng	98
49) Dimethylphthalate	9.77	163	684777	20.06	ng	98
50) 2,6-Dinitrotoluene	9.82	165	135220	17.84	ng	# 82
51) Acenaphthene	10.09	154	628059	20.92	ng	98
52) 3-Nitroaniline	9.99	138	177018	19.99	ng	93
53) 2,4-Dinitrophenol	10.10	184	66034	19.54	ng	# 52
54) Dibenzofuran	10.26	168	796538	20.50	ng	96
55) 4-Nitrophenol	10.14	139	148360	19.15	ng	90
56) 2,4-Dinitrotoluene	10.22	165	187448	18.58	ng	# 1
57) Fluorene	10.60	166	677032	20.73	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.37	232	127925	18.68	ng	# 73
59) Diethylphthalate	10.47	149	731592	20.71	ng	# 92
60) 4-Chlorophenyl-phenylether	10.59	204	280828	18.91	ng	# 81
61) 4-Nitroaniline	10.61	138	183777	20.60	ng	86
62) Azobenzene	10.75	77	859435	21.06	ng	87
64) 4,6-Dinitro-2-methylphenol	10.63	198	80216	18.01	ng	87
65) n-Nitrosodiphenylamine	10.71	169	574141	20.45	ng	98
66) 4-Bromophenyl-phenylether	11.09	248	152218	18.53	ng	# 82
67) Hexachlorobenzene	11.15	284	172229	18.83	ng	# 66
68) Atrazine	11.23	200	129457	18.70	ng	96
69) Pentachlorophenol	11.34	266	110758	20.34	ng	98
70) Phenanthrene	11.57	178	885787	20.65	ng	96
71) Anthracene	11.62	178	913939	20.86	ng	97
72) Carbazole	11.77	167	810571	19.91	ng	98
73) Di-n-butylphthalate	12.11	149	1122773	22.67	ng	# 96
74) Fluoranthene	12.76	202	918465	21.83	ng	96
76) Benzidine	12.88	184	353679	19.72	ng	98
77) Pyrene	12.99	202	906042	19.92	ng	98
79) Butylbenzylphthalate	13.61	149	444659	19.06	ng	# 69
80) Benzo(a)anthracene	14.18	228	810615	21.18	ng	97
81) 3,3'-Dichlorobenzidine	14.14	252	288521	20.80	ng	# 98
82) Chrysene	14.22	228	762684	21.66	ng	98
83) Bis(2-ethylhexyl)phthalate	14.18	149	690388	20.82	ng	99
84) Di-n-octyl phthalate	14.80	149	1092101	22.21	ng	95
85) Indeno(1,2,3-cd)pyrene	17.22	276	488373	19.45	ng	93
87) Benzo(b)fluoranthene	15.25	252	589194	18.63	ng	# 94
88) Benzo(k)fluoranthene	15.25	252	589194	19.83	ng	98
89) Benzo(a)pyrene	15.63	252	529477	19.42	ng	# 93
90) Dibenzo(a,h)anthracene	17.23	278	407338	17.56	ng	# 92
91) Benzo(g,h,i)perylene	17.66	276	380974	17.12	ng	# 92

(#) = 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: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

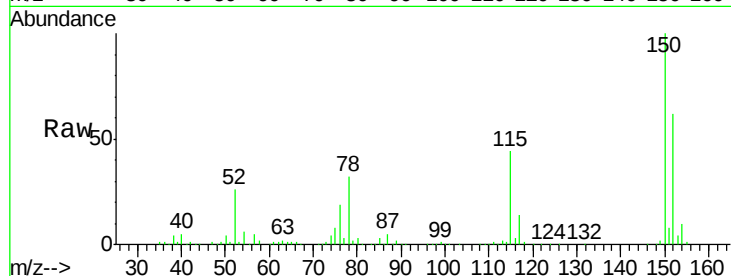
Tgt Ion:152 Resp: 248595

Ion Ratio Lower Upper

152 100

150 160.1 124.6 186.8

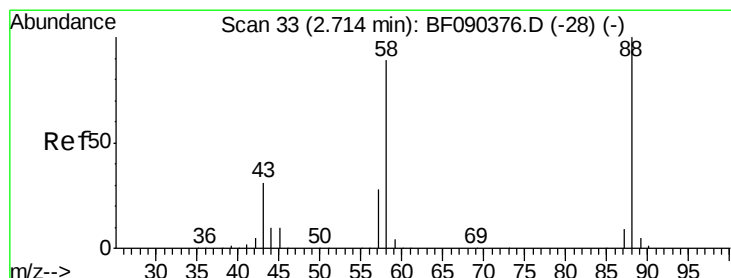
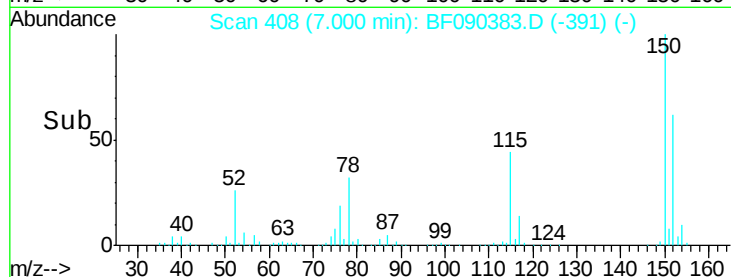
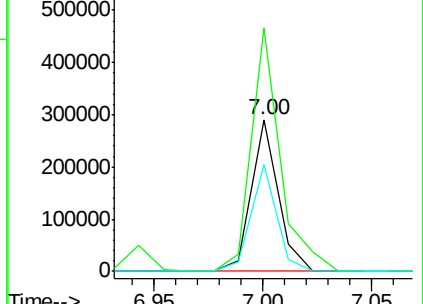
115 70.2 46.2 69.4#



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: 19.70 ng

RT: 2.83 min Scan# 43

Delta R.T. 0.11 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

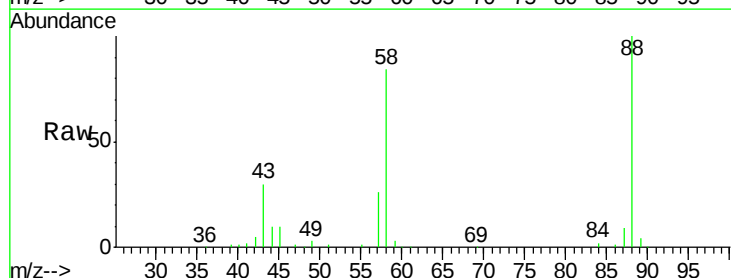
Tgt Ion: 88 Resp: 161737

Ion Ratio Lower Upper

88 100

58 86.1 71.2 106.8

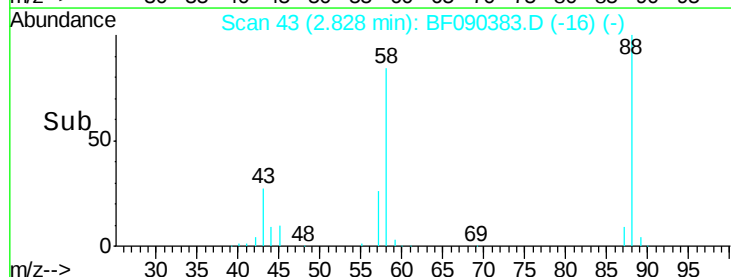
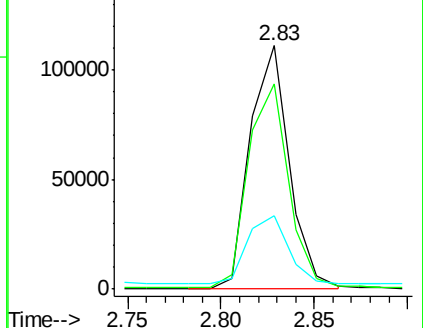
43 28.6 29.8 44.6#

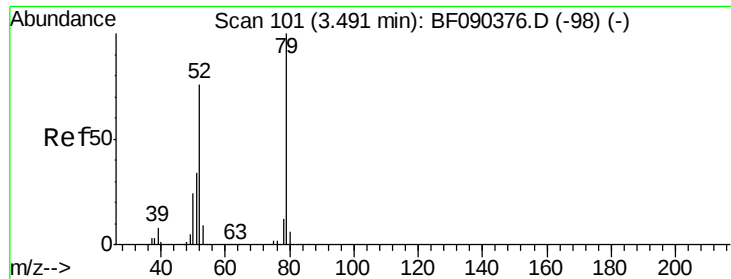


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 18.68 ng

RT: 3.59 min Scan# 110

Delta R.T. 0.10 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

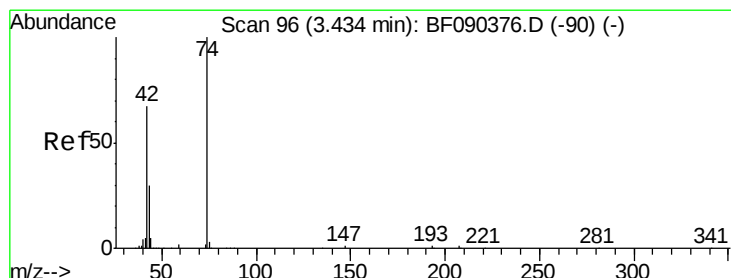
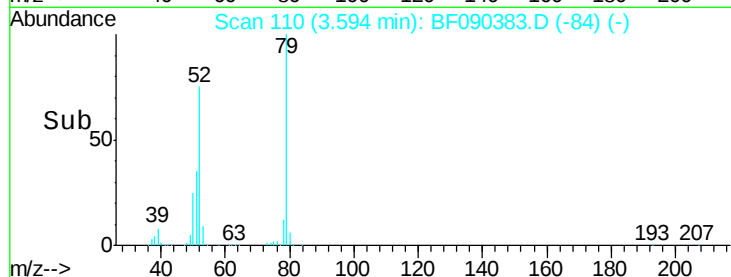
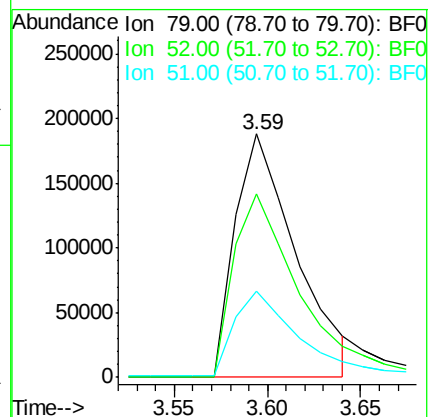
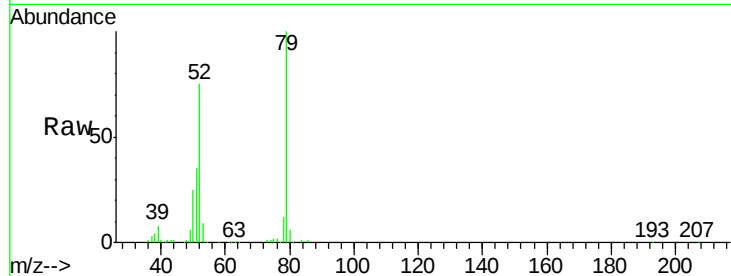
Tgt Ion: 79 Resp: 427644

Ion Ratio Lower Upper

79 100

52 75.4 71.3 106.9

51 35.5 34.5 51.7



#4

n-Nitrosodimethylamine

Concen: 19.32 ng

RT: 3.51 min Scan# 103

Delta R.T. 0.08 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

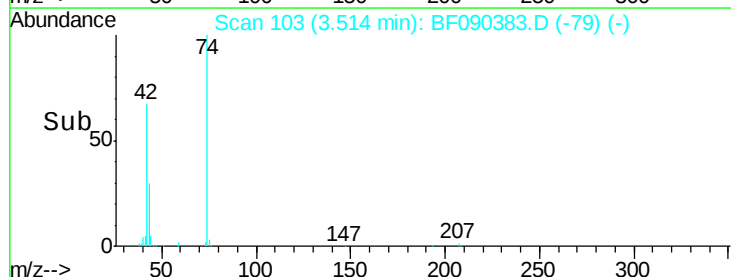
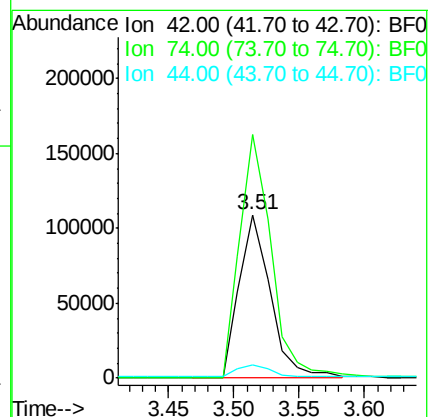
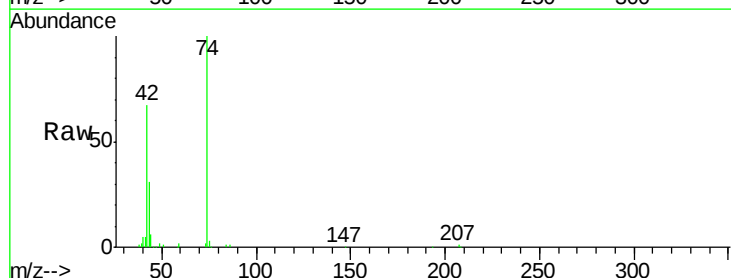
Tgt Ion: 42 Resp: 182571

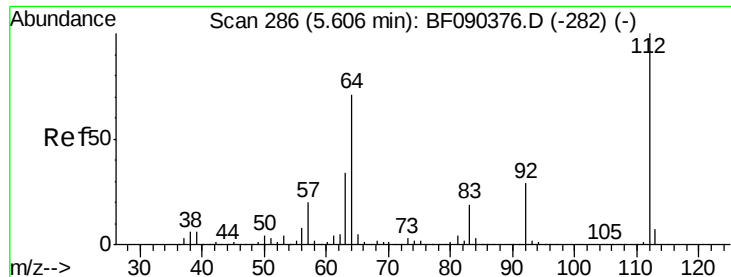
Ion Ratio Lower Upper

42 100

74 148.9 88.9 133.3#

44 8.3 6.5 9.7





#5

2-Fluorophenol

Concen: 125.87 ng

RT: 5.62 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

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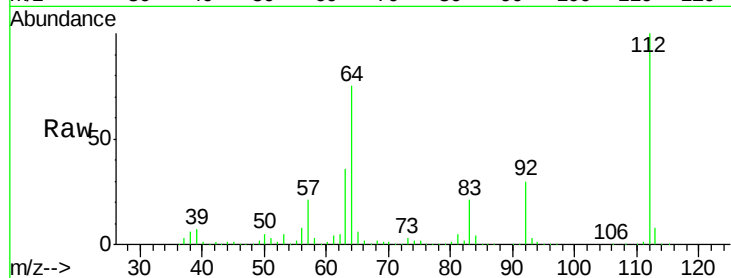
Tgt Ion: 112 Resp: 2096631

Ion Ratio Lower Upper

112 100

64 75.2 57.9 86.9

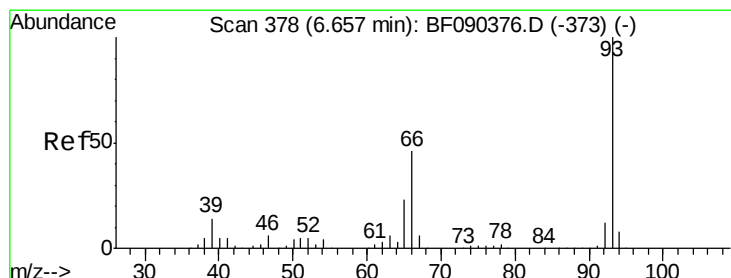
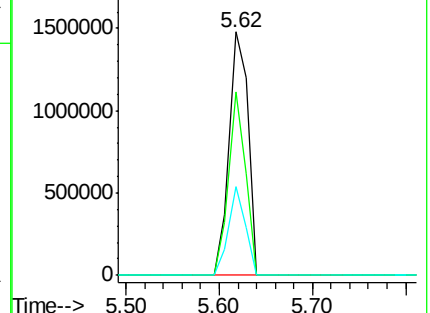
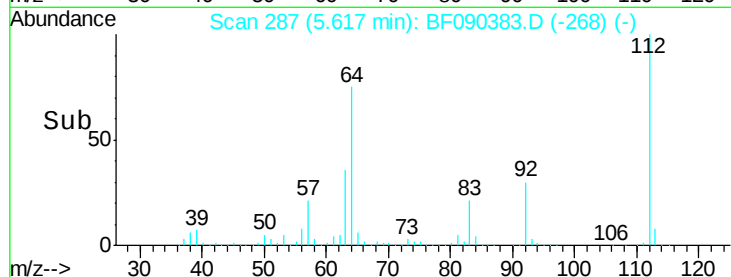
63 36.4 29.6 44.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 19.24 ng

RT: 6.66 min Scan# 378

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

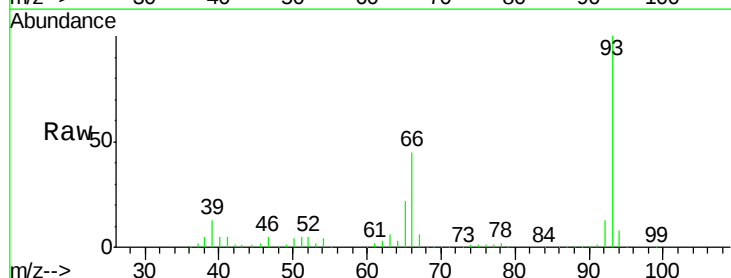
Tgt Ion: 93 Resp: 579782

Ion Ratio Lower Upper

93 100

66 45.0 34.5 51.7

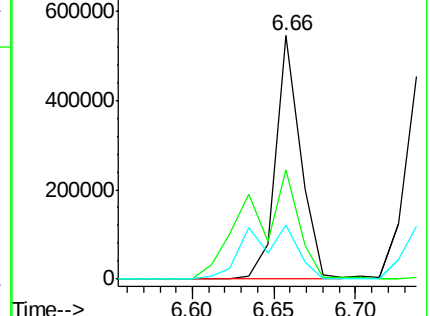
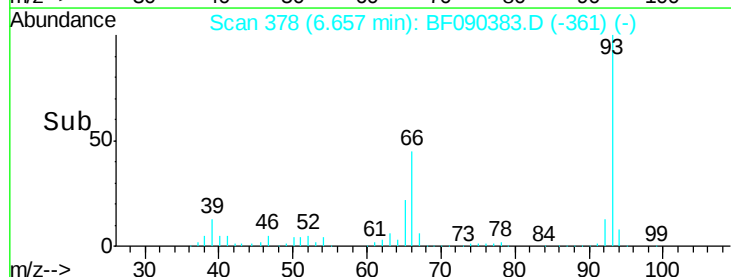
65 22.3 18.2 27.2

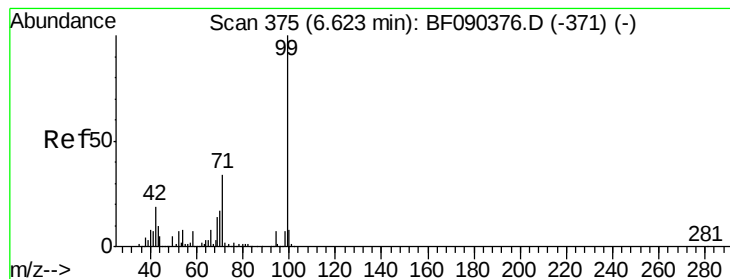


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 128.15 ng

RT: 6.62 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

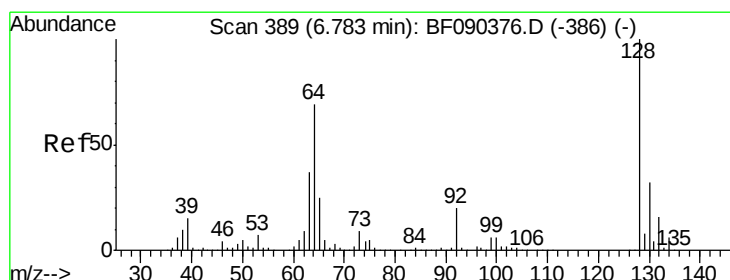
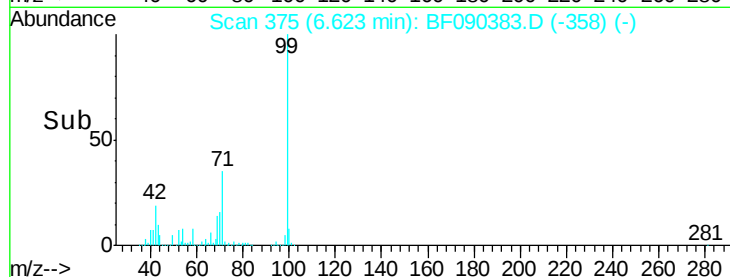
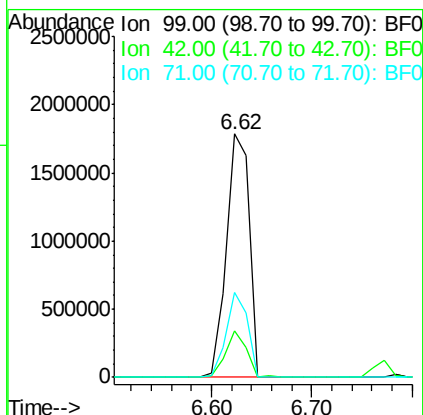
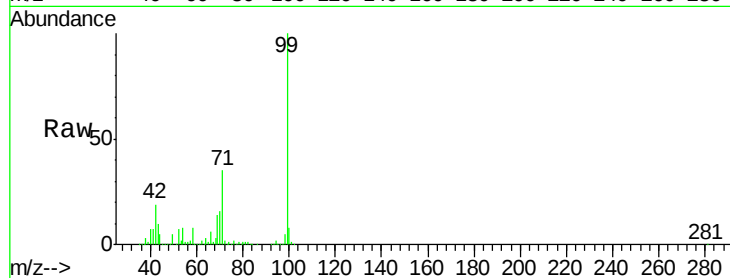
BNA_F

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Tgt Ion: 99 Resp: 2795697

Ion	Ratio	Lower	Upper
99	100		
42	18.9	20.0	30.0#
71	35.1	27.9	41.9



#8

2-Chlorophenol

Concen: 19.07 ng

RT: 6.78 min Scan# 389

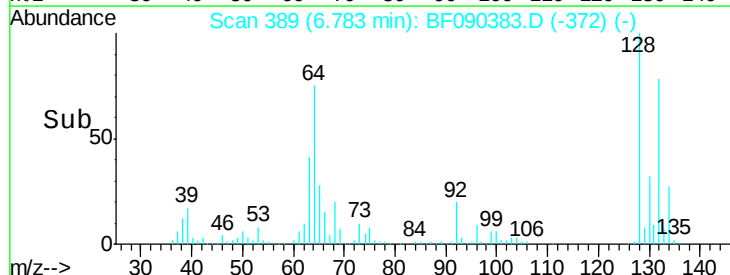
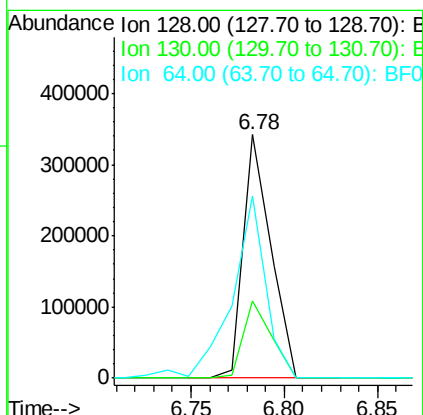
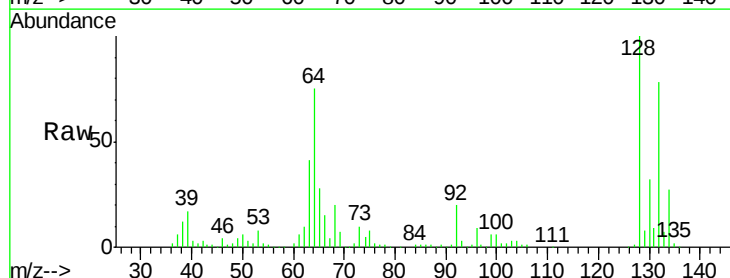
Delta R.T. 0.00 min

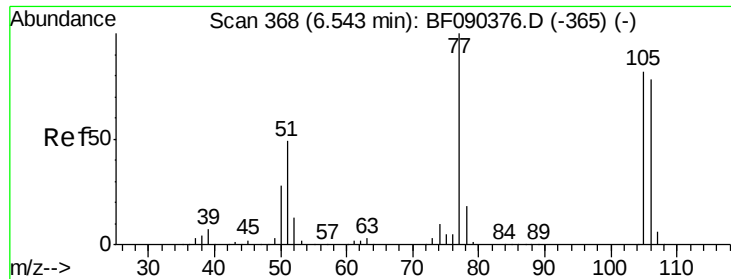
Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Tgt Ion: 128 Resp: 349540

Ion	Ratio	Lower	Upper
128	100		
130	31.6	13.3	53.3
64	74.8	36.0	76.0





#9

Benzaldehyde

Concen: 19.23 ng

RT: 6.54 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

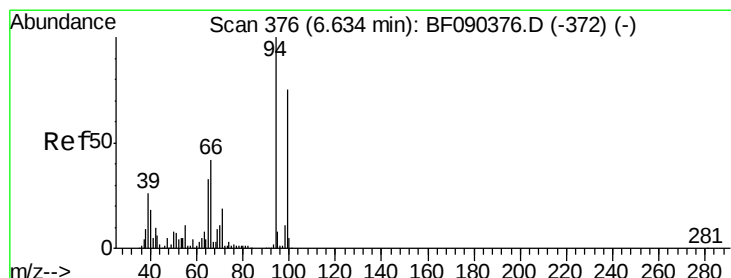
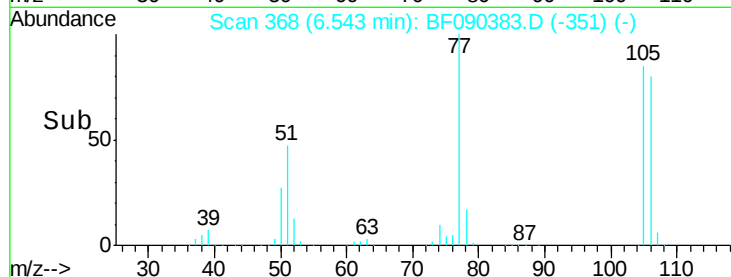
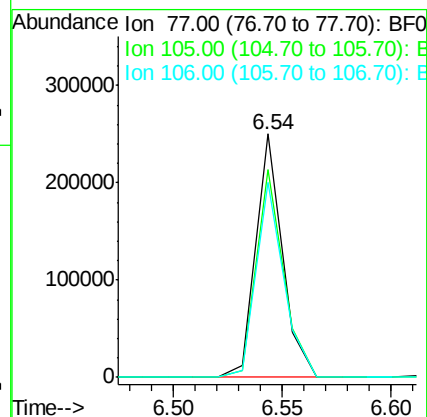
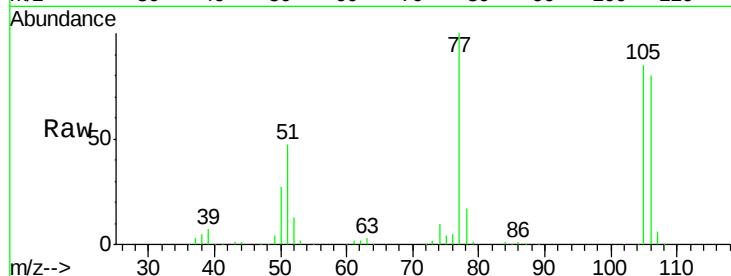
Tgt Ion: 77 Resp: 212060

Ion Ratio Lower Upper

77 100

105 85.1 73.1 113.1

106 80.0 70.2 110.2



#10

Phenol

Concen: 15.57 ng

RT: 6.63 min Scan# 376

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

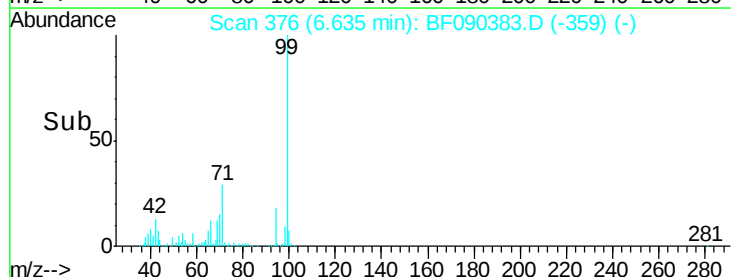
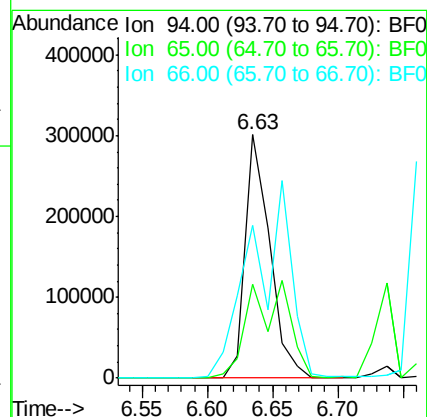
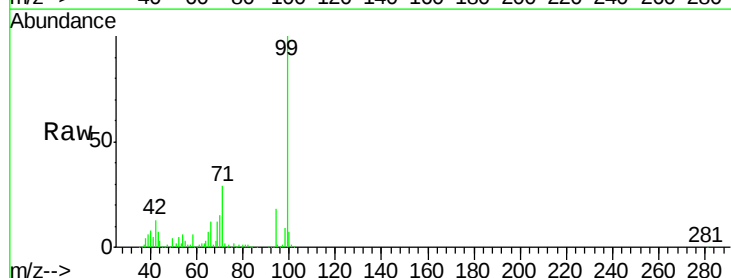
Tgt Ion: 94 Resp: 394840

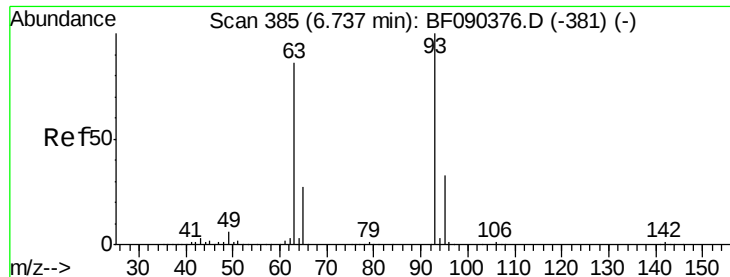
Ion Ratio Lower Upper

94 100

65 38.6 13.3 53.3

66 62.7 20.4 60.4#

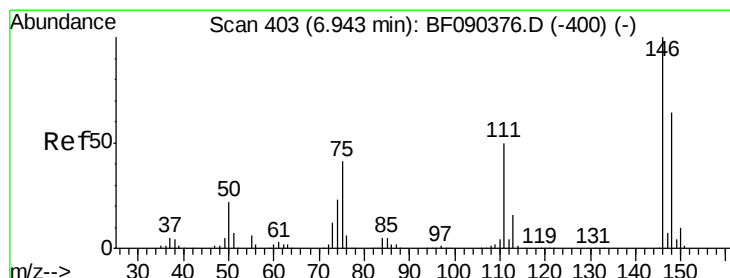
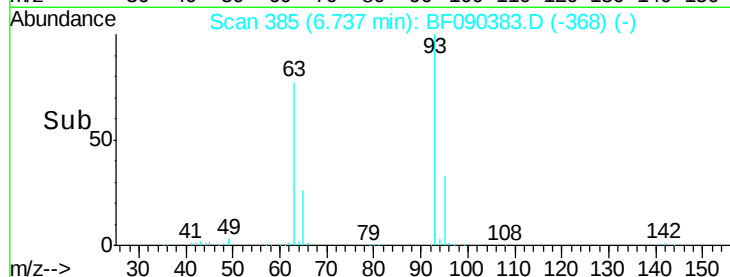
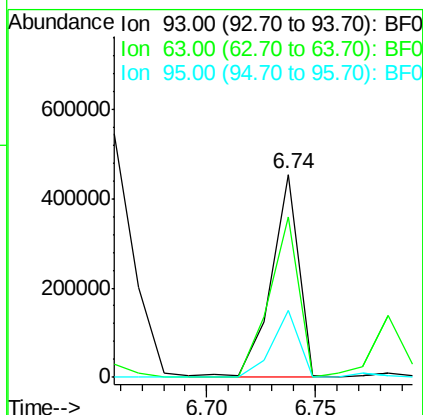
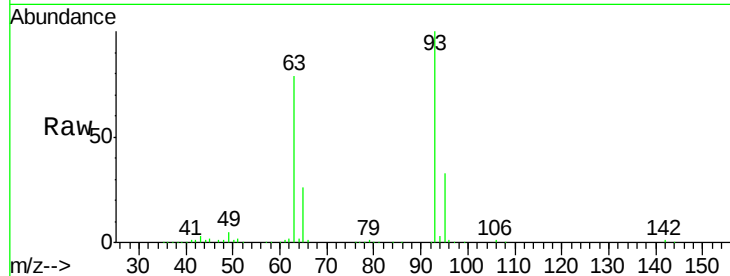




#11
bis(2-Chloroethyl)ether
Concen: 20.64 ng
RT: 6.74 min Scan# 385
Delta R.T. 0.00 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

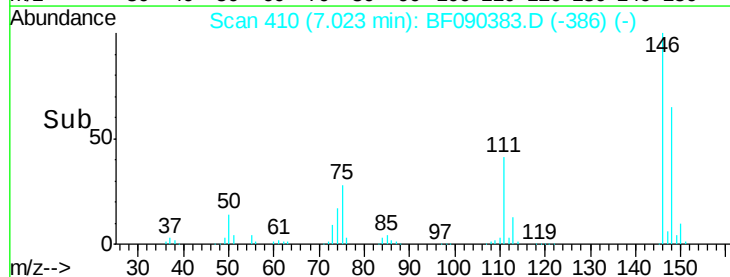
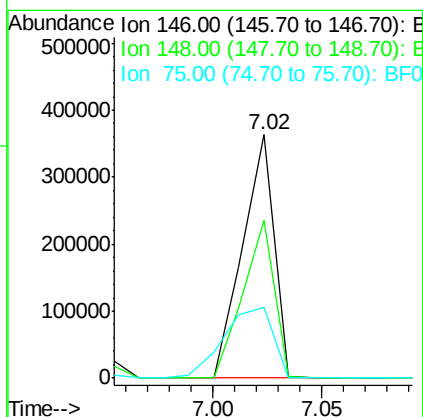
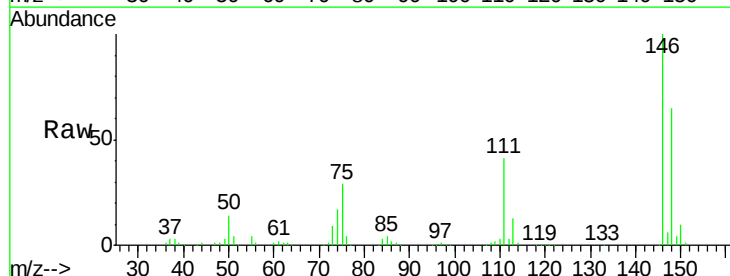
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

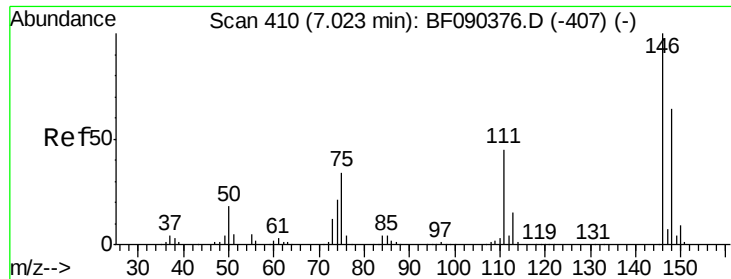
Tgt Ion: 93 Resp: 400781
Ion Ratio Lower Upper
93 100
63 78.8 59.7 99.7
95 32.7 14.0 54.0



#12
1,3-Dichlorobenzene
Concen: 19.96 ng
RT: 7.02 min Scan# 410
Delta R.T. 0.08 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion: 146 Resp: 364727
Ion Ratio Lower Upper
146 100
148 65.0 52.2 78.4
75 28.9 21.4 32.2

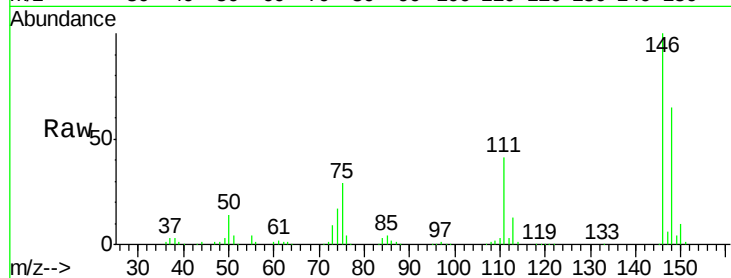




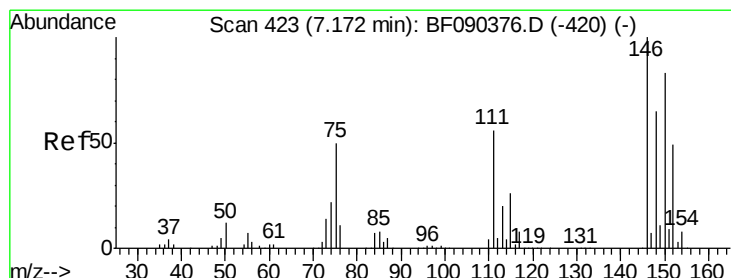
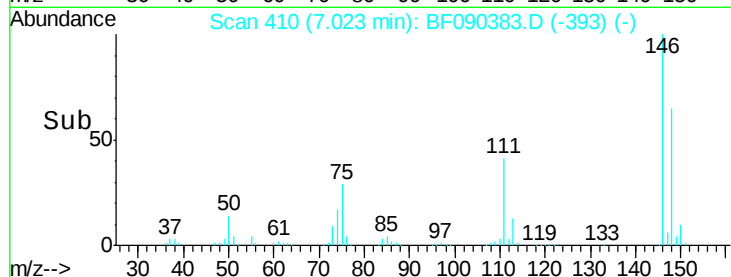
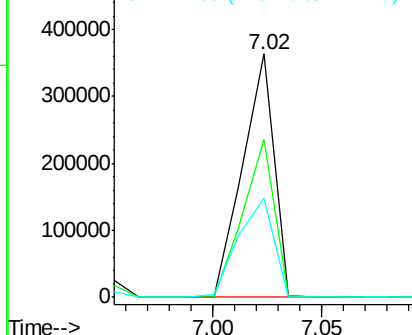
#13
 1,4-Dichlorobenzene
 Concen: 19.65 ng
 RT: 7.02 min Scan# 410
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:146 Resp: 364727
 Ion Ratio Lower Upper
 146 100
 148 65.0 51.1 76.7
 111 40.8 37.8 56.6

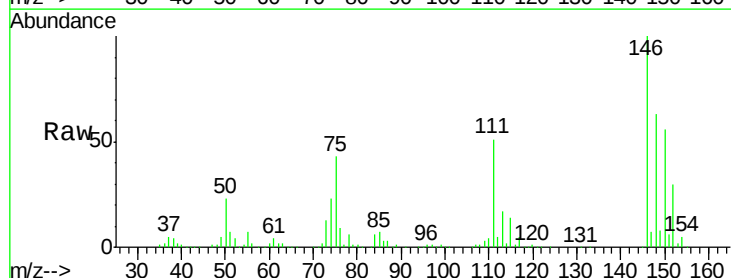


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

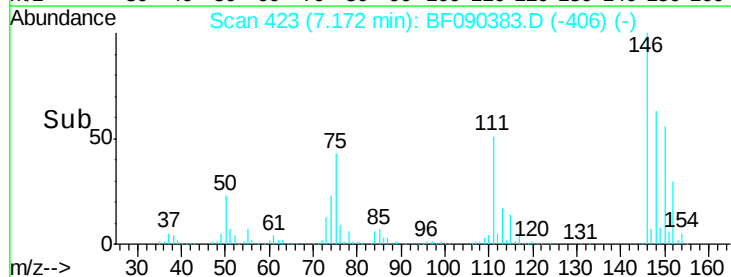
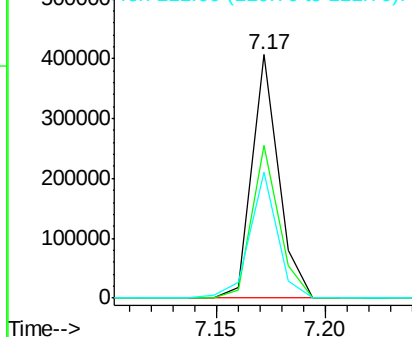


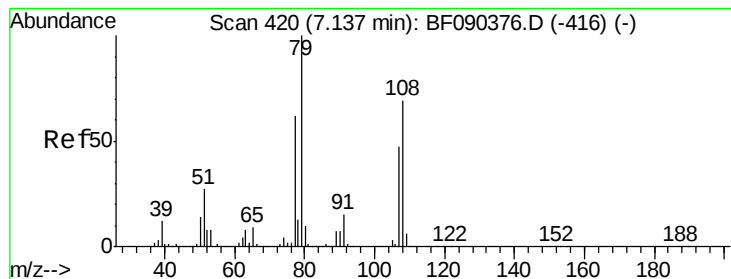
#14
 1,2-Dichlorobenzene
 Concen: 19.32 ng
 RT: 7.17 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:146 Resp: 345395
 Ion Ratio Lower Upper
 146 100
 148 62.8 52.3 78.5
 111 51.5 38.2 57.4



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





#15

Benzyl Alcohol

Concen: 22.96 ng

RT: 7.14 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

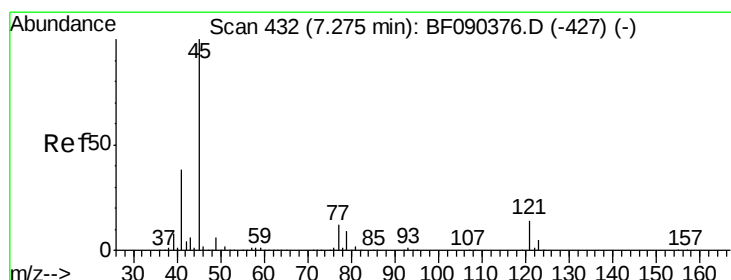
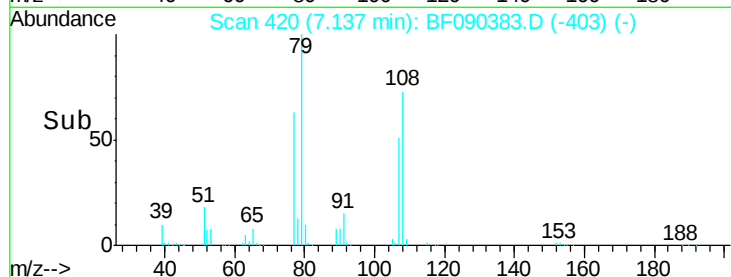
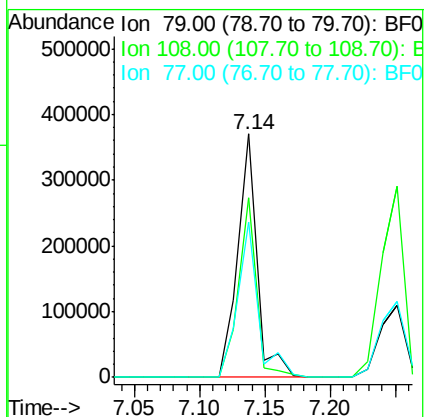
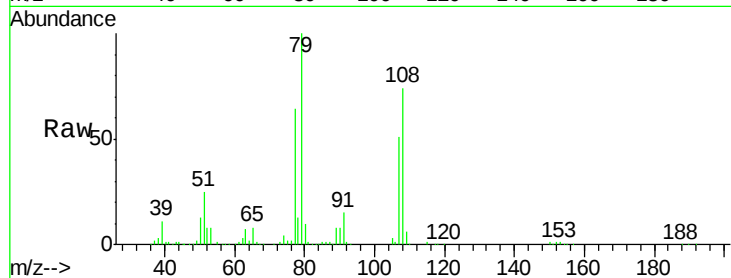
Tgt Ion: 79 Resp: 380714

Ion Ratio Lower Upper

79 100

108 73.9 60.9 91.3

77 63.7 51.5 77.3



#16

2,2'-oxybis(1-Chloropropane)

Concen: 20.41 ng

RT: 7.27 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

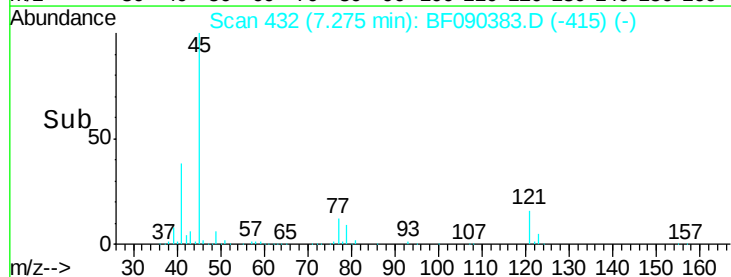
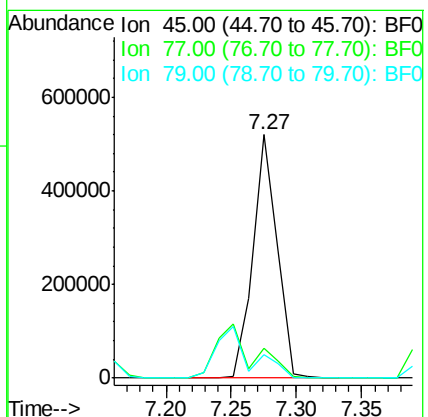
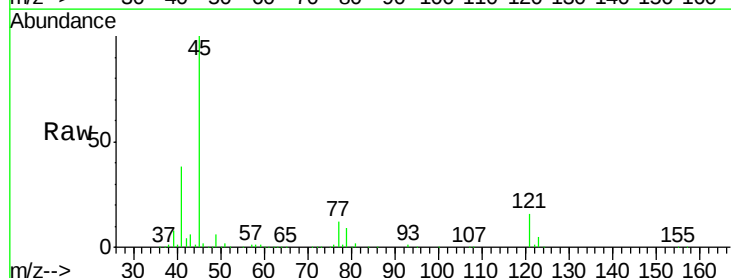
Tgt Ion: 45 Resp: 672247

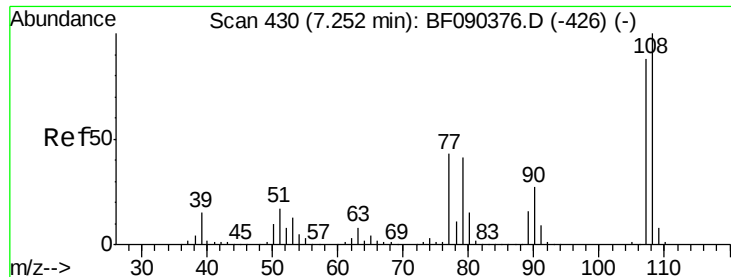
Ion Ratio Lower Upper

45 100

77 12.2 0.0 30.8

79 9.4 0.0 28.2

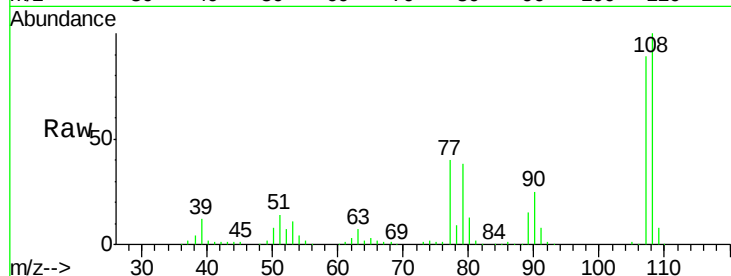




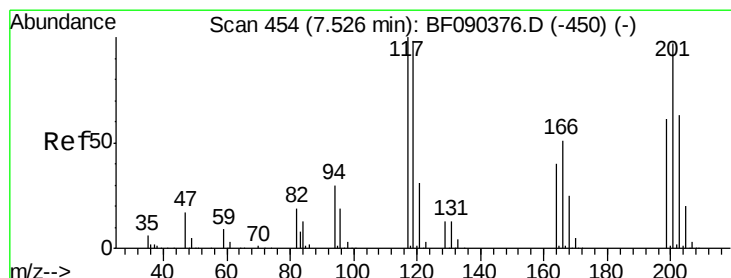
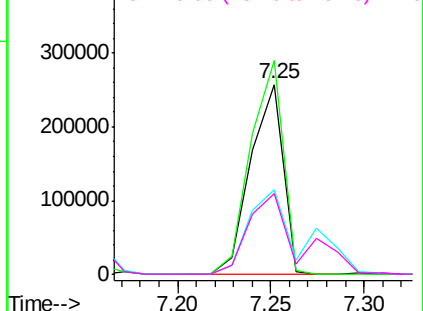
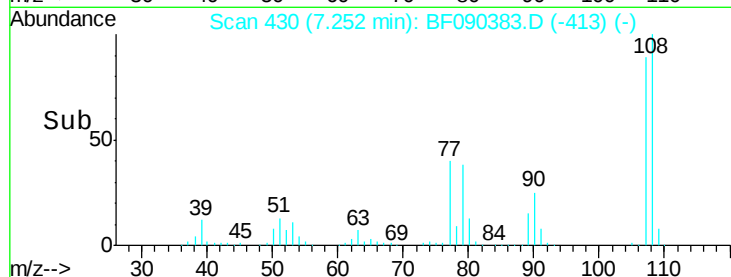
#17
2-Methylphenol
Concen: 20.65 ng
RT: 7.25 min Scan# 430
Delta R.T. 0.00 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion:107 Resp: 311278
Ion Ratio Lower Upper
107 100
108 112.4 90.9 136.3
77 44.5 38.2 57.4
79 42.3 37.0 55.4

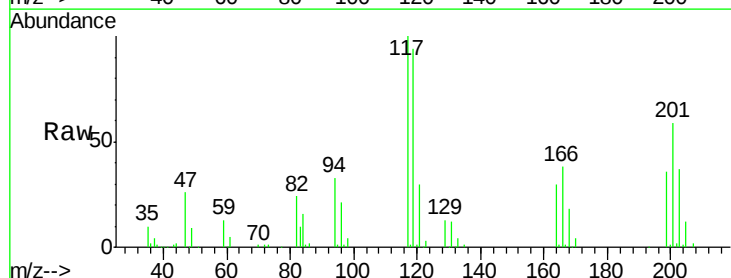


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

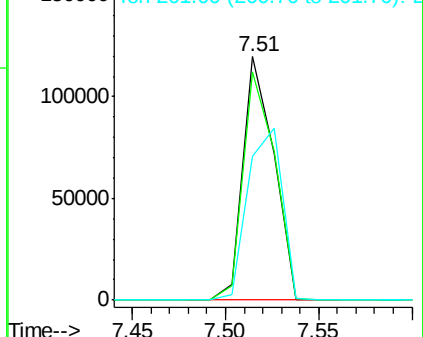
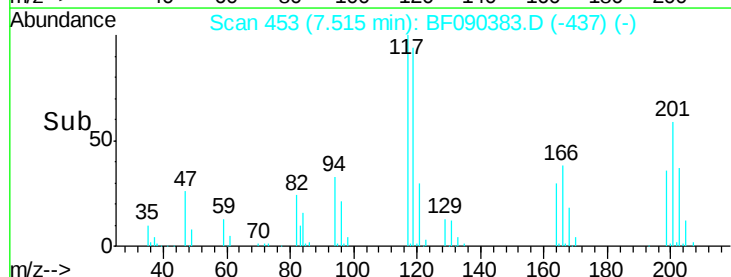


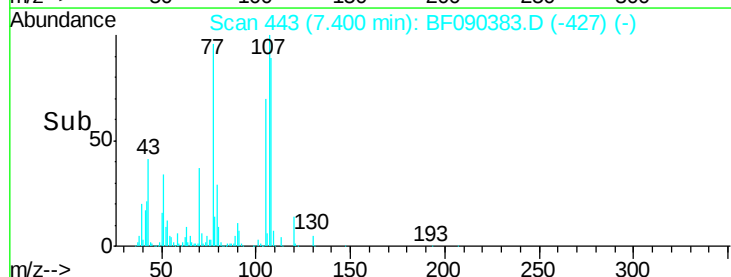
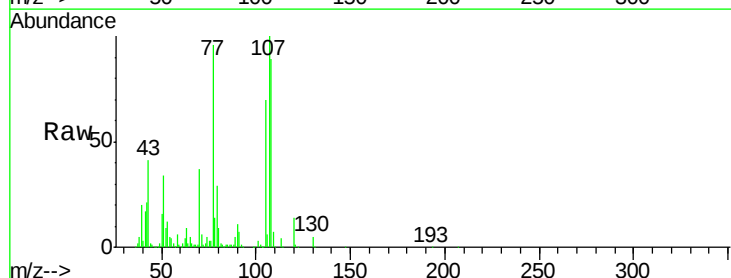
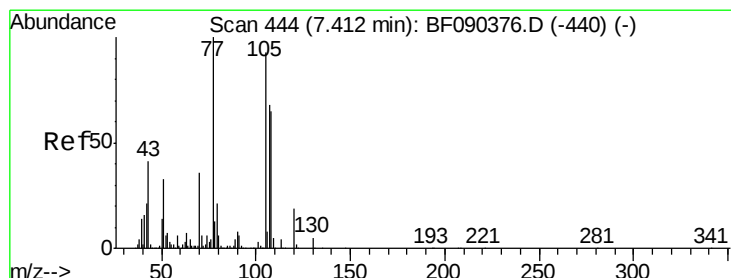
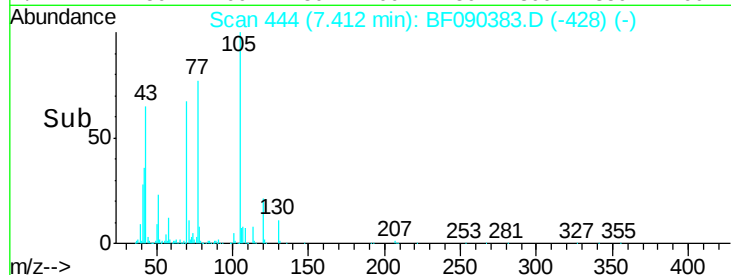
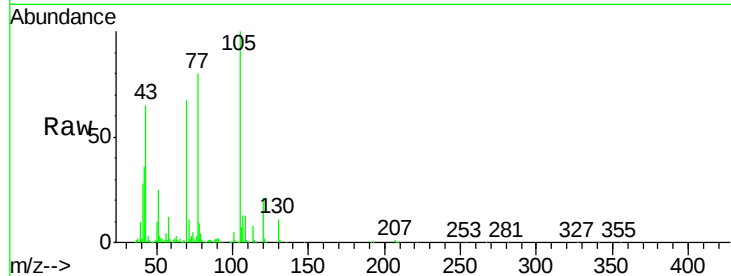
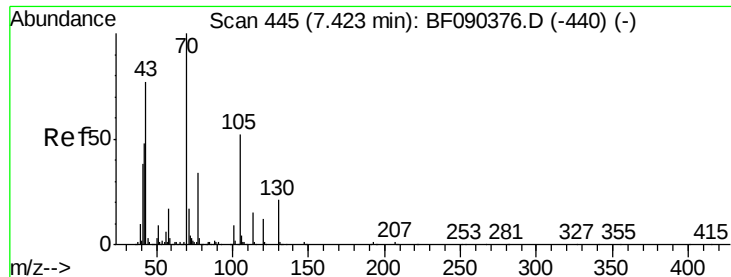
#18
Hexachloroethane
Concen: 18.72 ng
RT: 7.51 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion:117 Resp: 136940
Ion Ratio Lower Upper
117 100
119 93.6 75.9 113.9
201 59.1 66.5 99.7#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

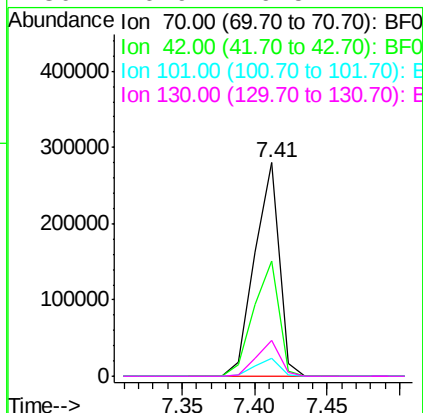




#19
n-Nitroso-di-n-propylamine
Concen: 20.52 ng
RT: 7.41 min Scan# 444
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

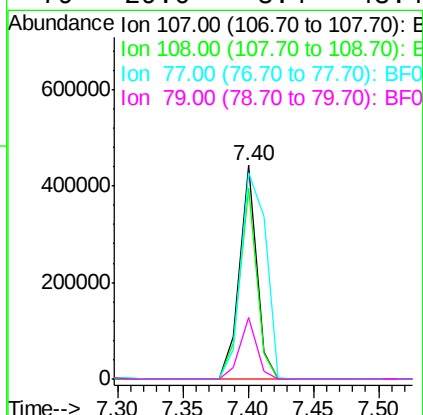
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

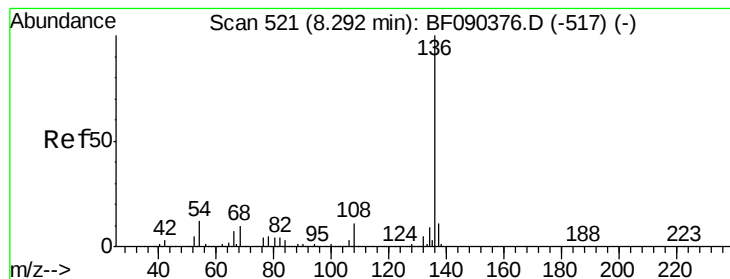
Tgt Ion: 70 Resp: 328267
Ion Ratio Lower Upper
70 100
42 54.1 55.4 83.2#
101 8.1 7.6 11.4
130 16.9 16.5 24.7



#20
3+4-Methylphenols
Concen: 20.74 ng
RT: 7.40 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion: 107 Resp: 404747
Ion Ratio Lower Upper
107 100
108 89.0 66.7 106.7
77 96.4 53.7 93.7#
79 29.0 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: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

Tgt Ion:136 Resp: 1086023

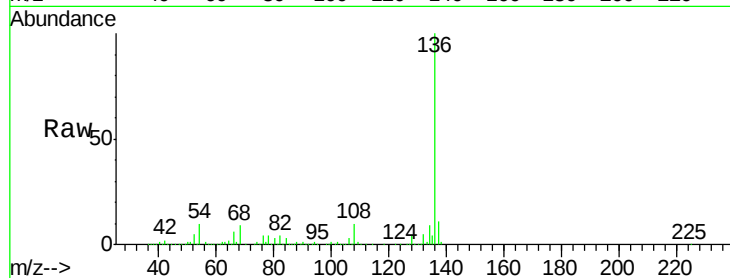
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 10.1 6.6 10.0#

68 8.8 5.0 7.6#

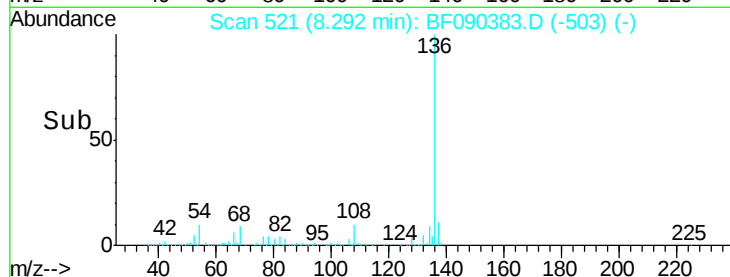


Abundance Ion 136.00 (135.70 to 136.70): E

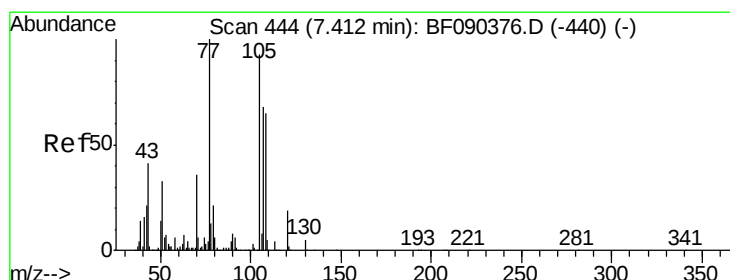
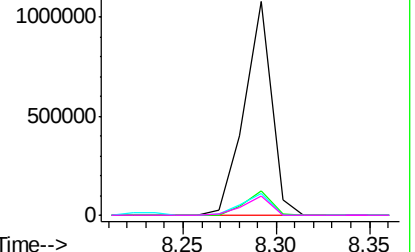
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 20.34 ng

RT: 7.41 min Scan# 444

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Tgt Ion:105 Resp: 523156

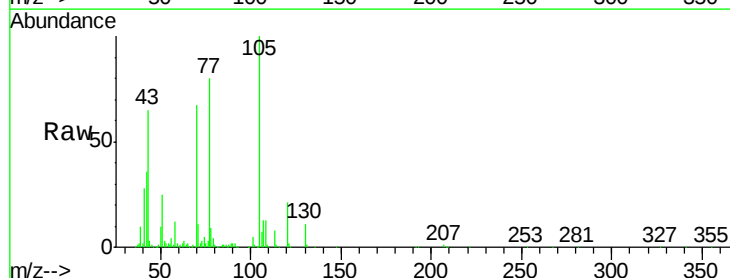
Ion Ratio Lower Upper

105 100

71 11.0 3.8 5.6#

51 24.5 28.2 42.4#

120 21.3 17.4 26.2

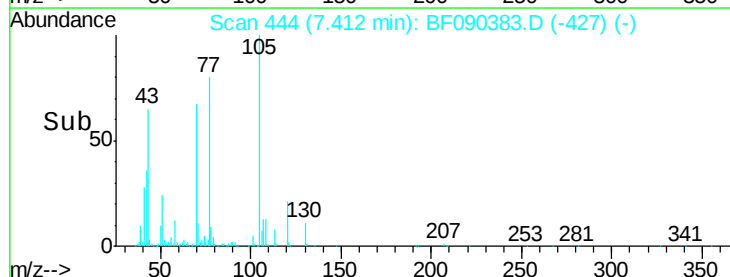


Abundance Ion 105.00 (104.70 to 105.70): E

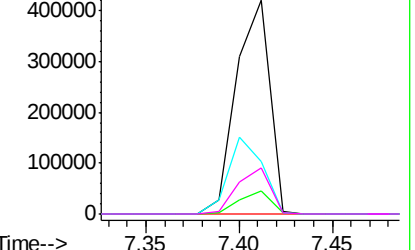
Ion 71.00 (70.70 to 71.70): BF0

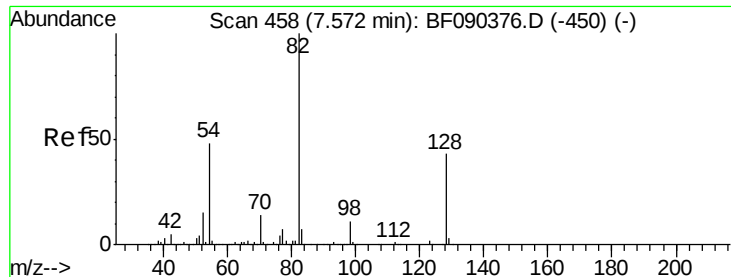
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

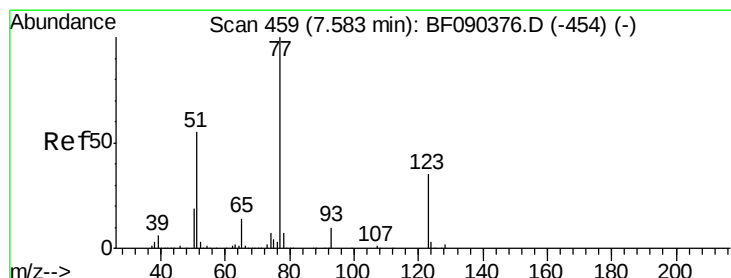
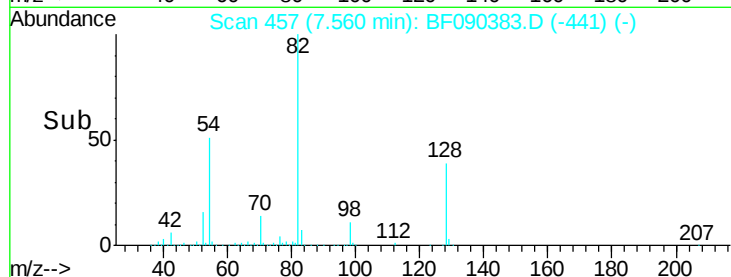
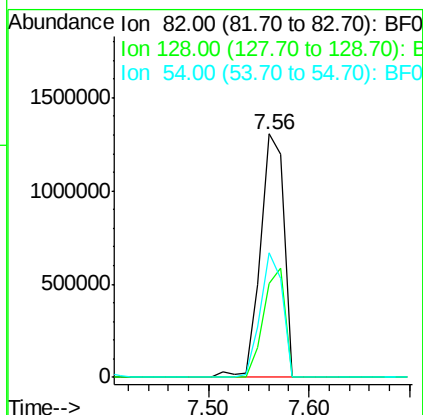
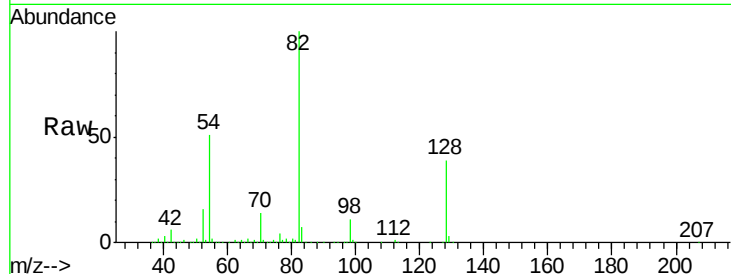




#23
 Nitrobenzene-d5
 Concen: 94.11 ng
 RT: 7.56 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

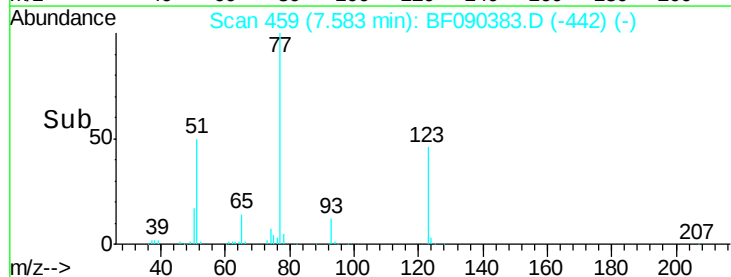
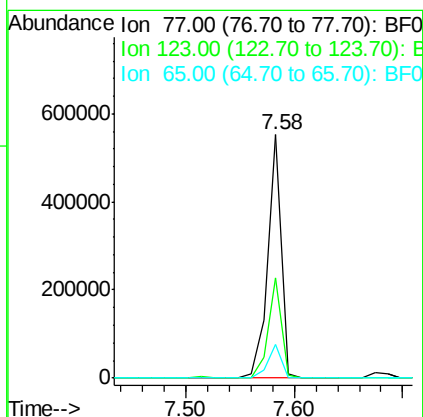
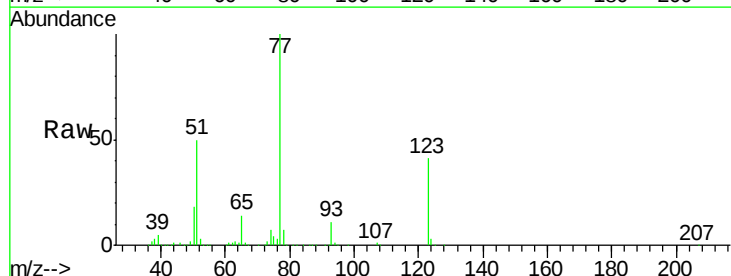
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

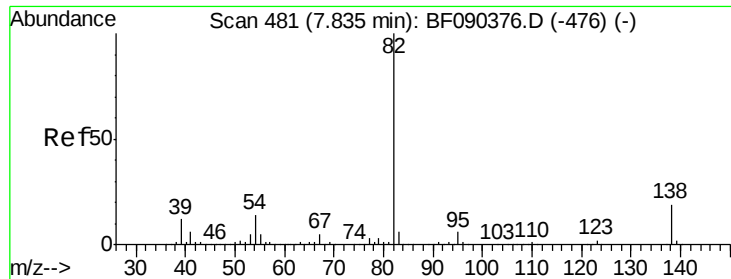
Tgt Ion: 82 Resp: 2101165
 Ion Ratio Lower Upper
 82 100
 128 38.5 40.0 60.0#
 54 51.4 42.6 64.0



#24
 Nitrobenzene
 Concen: 21.93 ng
 RT: 7.58 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion: 77 Resp: 485973
 Ion Ratio Lower Upper
 77 100
 123 41.2 33.0 49.4
 65 13.6 12.0 18.0





#25

Isophorone

Concen: 19.97 ng

RT: 7.82 min Scan# 480

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

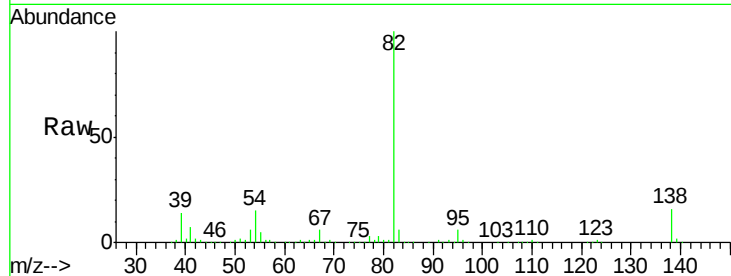
Tgt Ion: 82 Resp: 815126

Ion Ratio Lower Upper

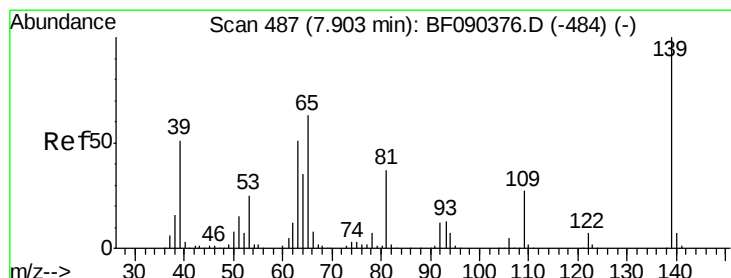
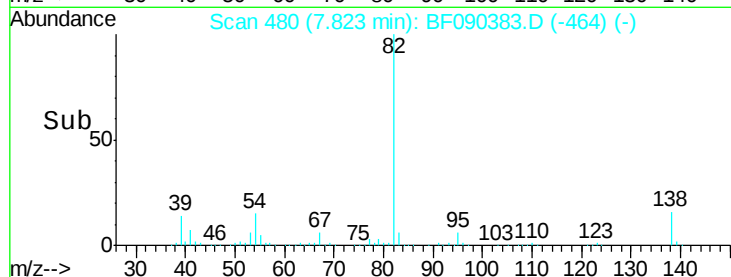
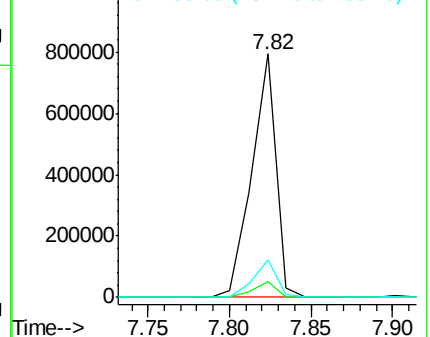
82 100

95 6.3 5.2 7.8

138 15.6 13.0 19.4



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



#26

2-Nitrophenol

Concen: 19.70 ng

RT: 7.90 min Scan# 487

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

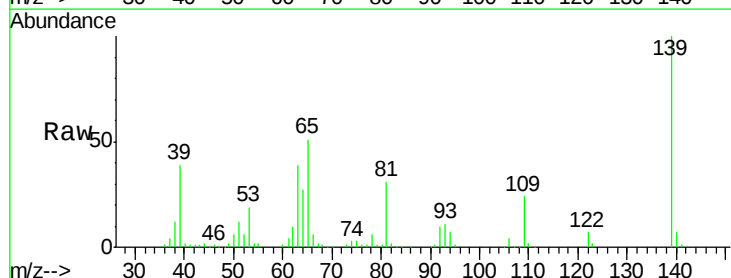
Tgt Ion: 139 Resp: 187893

Ion Ratio Lower Upper

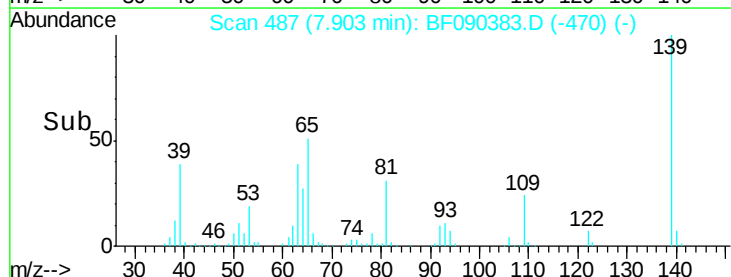
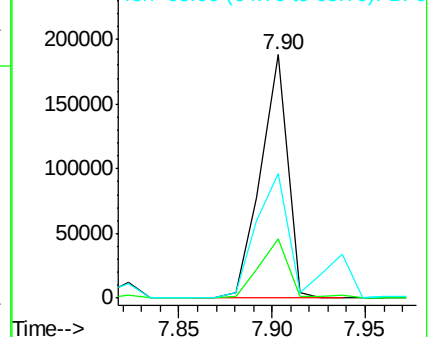
139 100

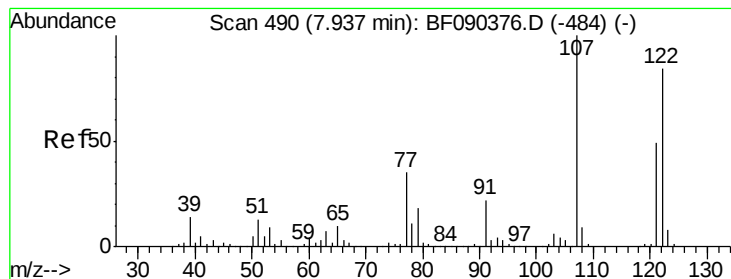
109 24.3 18.9 28.3

65 51.1 31.6 47.4#



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

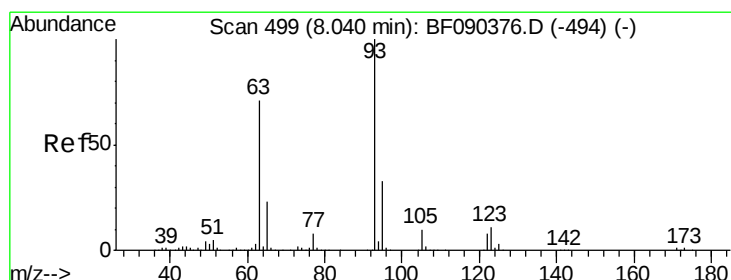
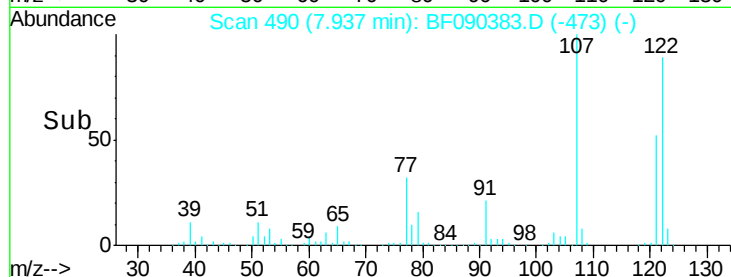
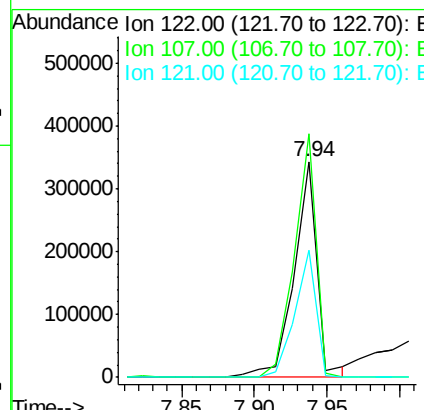
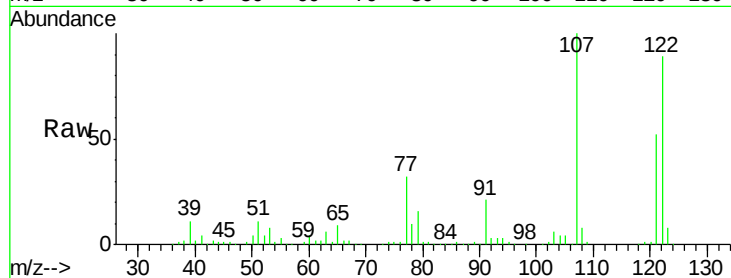




#27
 2,4-Dimethylphenol
 Concen: 20.30 ng
 RT: 7.94 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

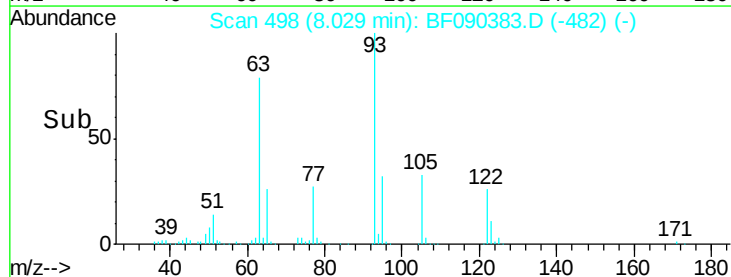
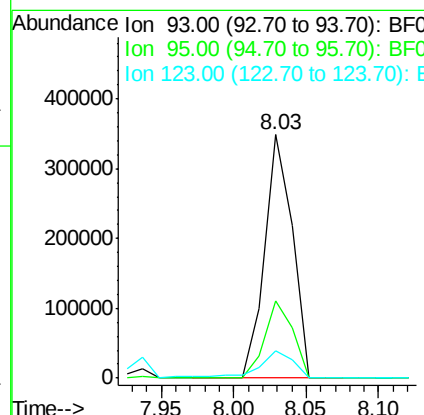
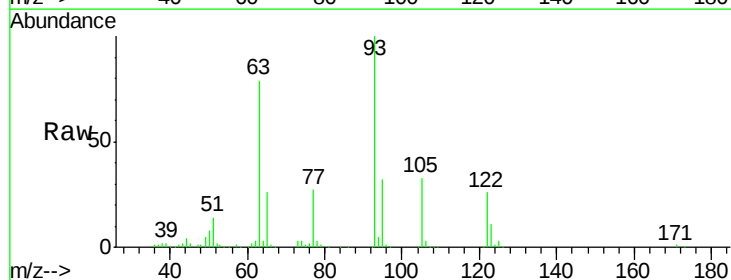
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

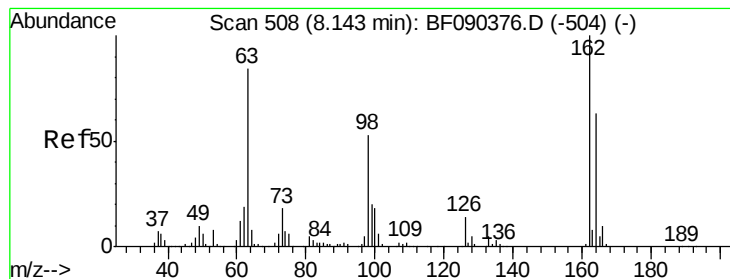
Tgt Ion:122 Resp: 376567
 Ion Ratio Lower Upper
 122 100
 107 112.8 88.6 132.8
 121 59.0 47.5 71.3



#28
 bis(2-Chloroethoxy)methane
 Concen: 19.02 ng
 RT: 8.03 min Scan# 498
 Delta R.T. -0.01 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion: 93 Resp: 459110
 Ion Ratio Lower Upper
 93 100
 95 32.0 27.0 40.4
 123 11.0 11.1 16.7#





#29

2,4-Dichlorophenol

Concen: 19.77 ng

RT: 8.14 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

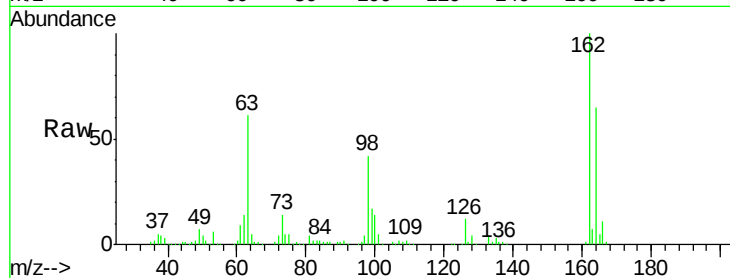
Tgt Ion:162 Resp: 278815

Ion Ratio Lower Upper

162 100

164 64.5 45.7 85.7

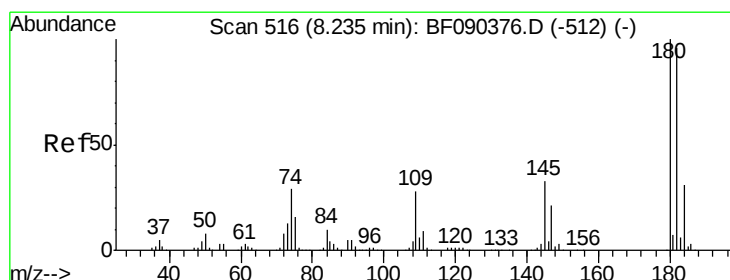
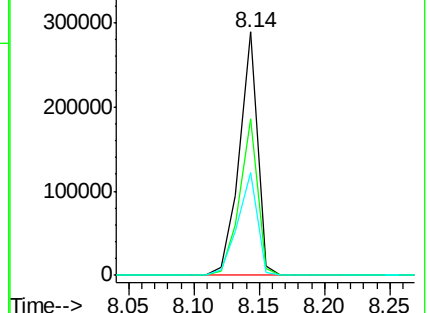
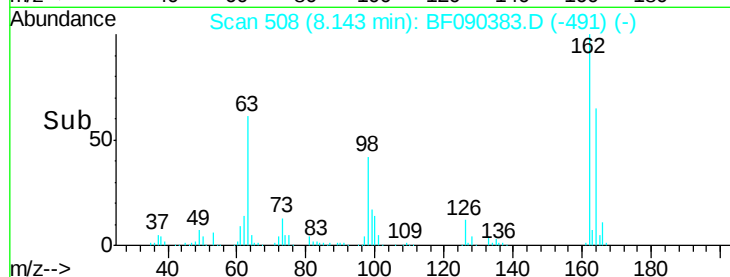
98 42.2 13.3 53.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 19.46 ng

RT: 8.23 min Scan# 516

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

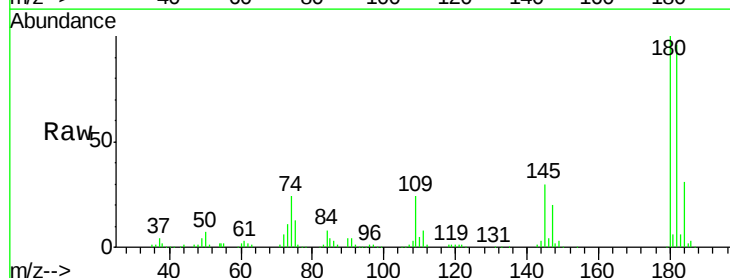
Tgt Ion:180 Resp: 282946

Ion Ratio Lower Upper

180 100

182 95.8 75.3 112.9

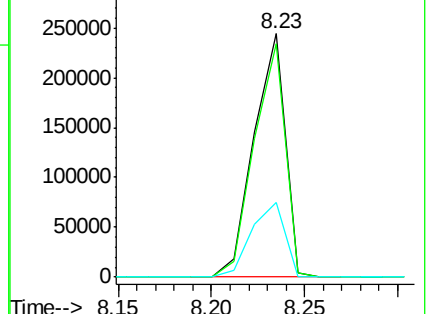
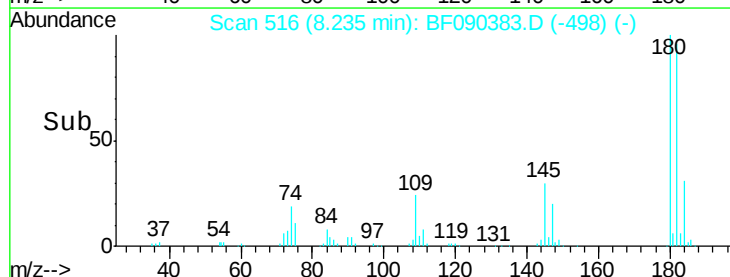
145 30.5 27.7 41.5

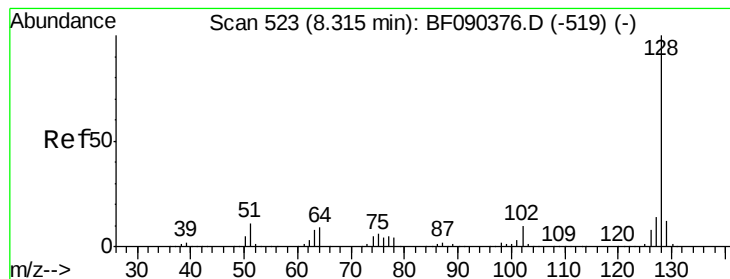


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 20.34 ng

RT: 8.31 min Scan# 523

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

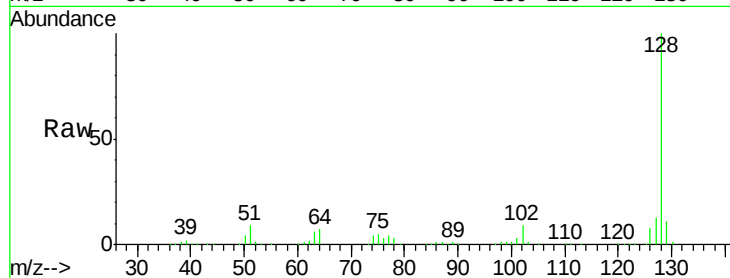
Tgt Ion:128 Resp: 1065810

Ion Ratio Lower Upper

128 100

129 11.1 9.7 14.5

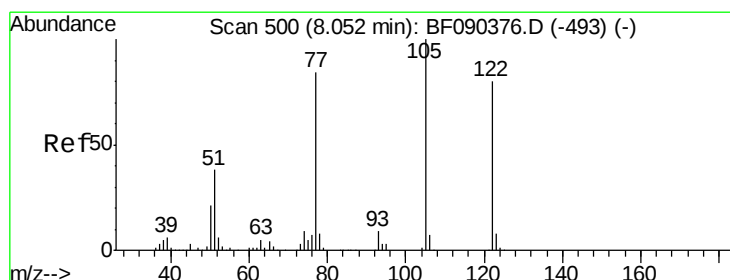
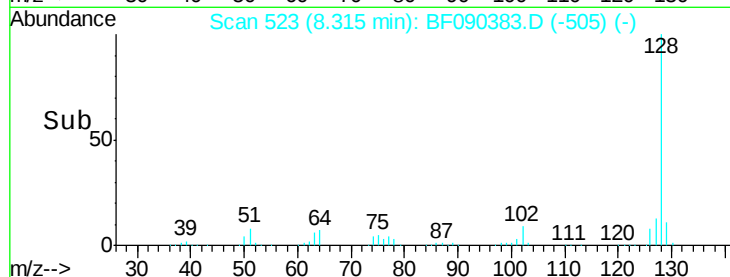
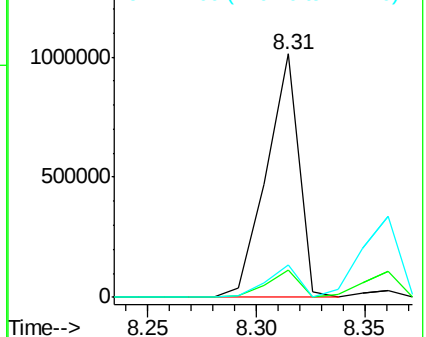
127 13.3 11.7 17.5



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: 18.94 ng

RT: 8.03 min Scan# 498

Delta R.T. -0.02 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

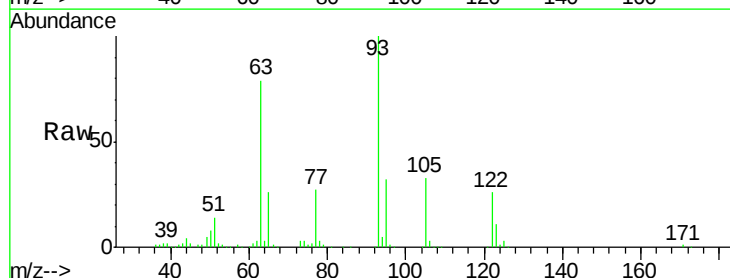
Tgt Ion:122 Resp: 244356

Ion Ratio Lower Upper

122 100

105 126.9 103.9 143.9

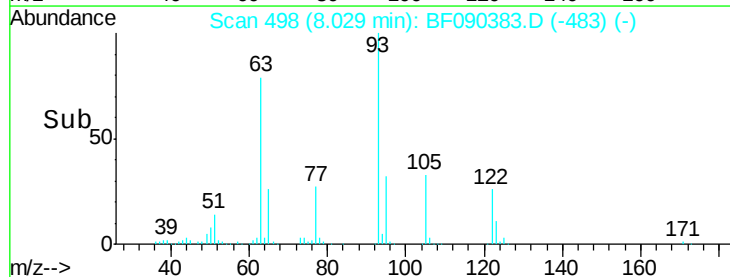
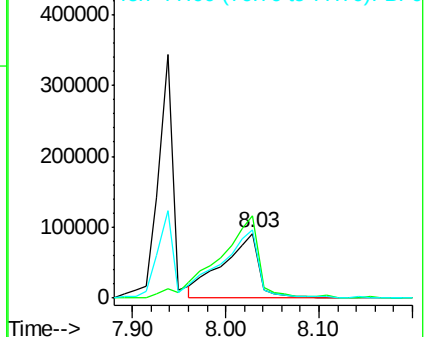
77 105.0 74.6 114.6



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

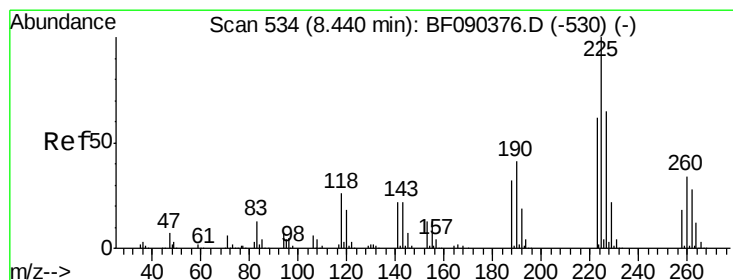
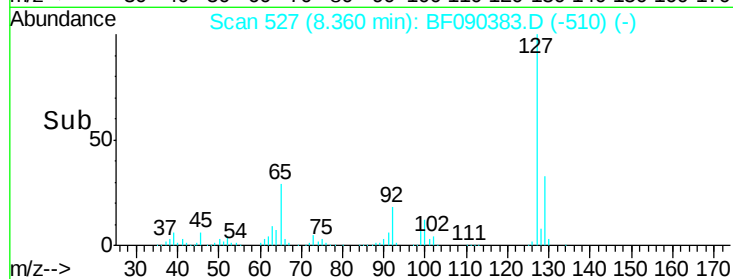
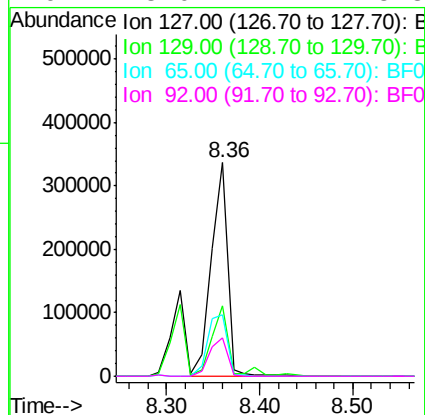
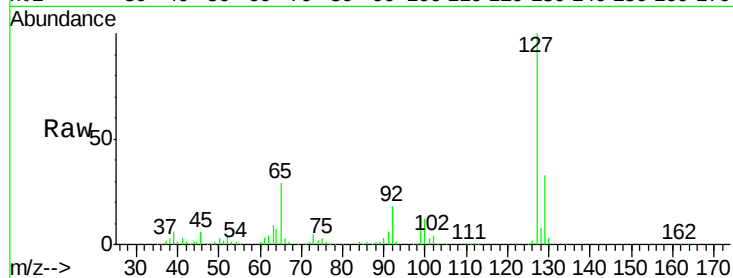




#33
4-Chloroaniline
Concen: 18.82 ng
RT: 8.36 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

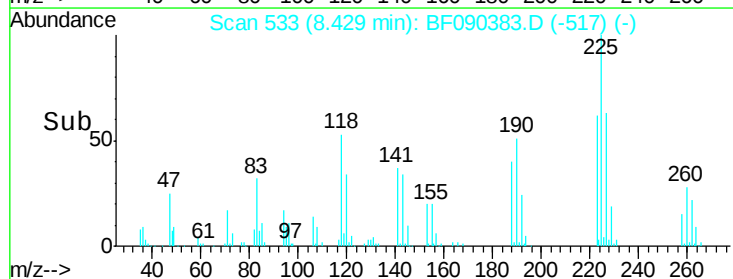
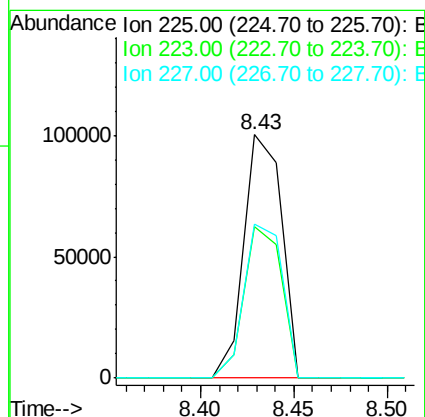
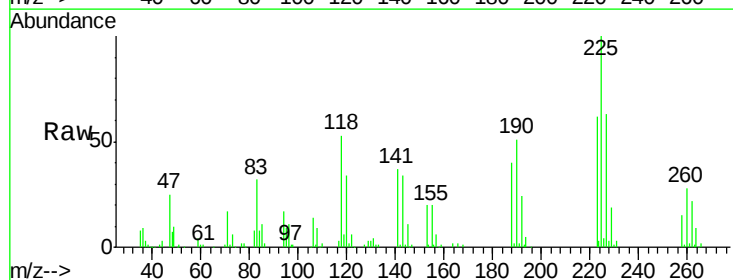
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion:	127	Resp:	407665
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	28.7	32.5	48.7#
92	18.0	17.2	25.8



#34
Hexachlorobutadiene
Concen: 17.33 ng
RT: 8.43 min Scan# 533
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion:	225	Resp:	140759
Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.0	76.4
227	63.5	50.8	76.2

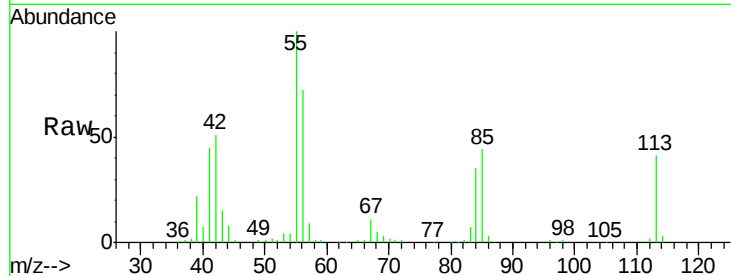




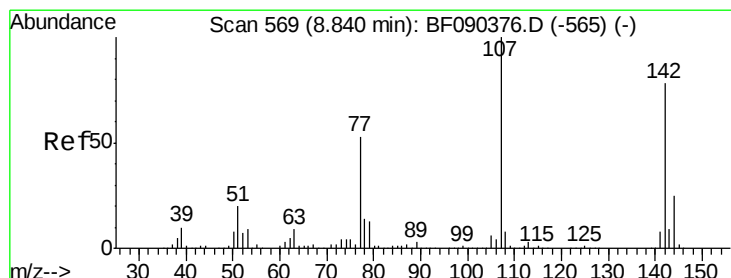
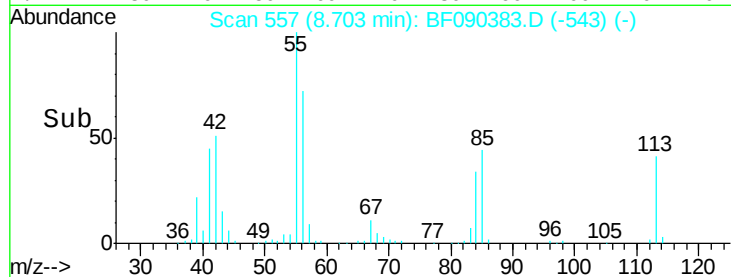
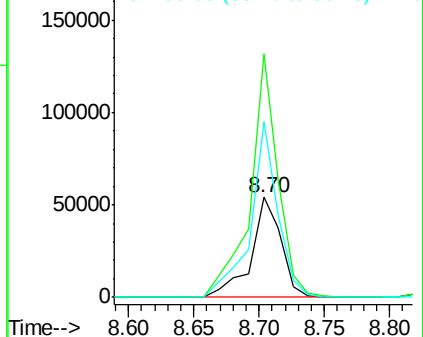
#35
 Caprolactam
 Concen: 18.27 ng
 RT: 8.70 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:113 Resp: 86624
 Ion Ratio Lower Upper
 113 100
 55 243.6 203.3 243.3#
 56 176.0 140.5 180.5

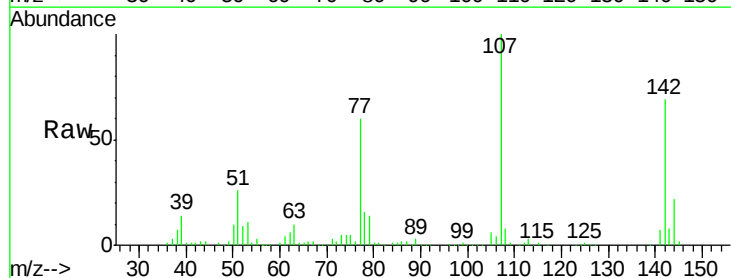


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

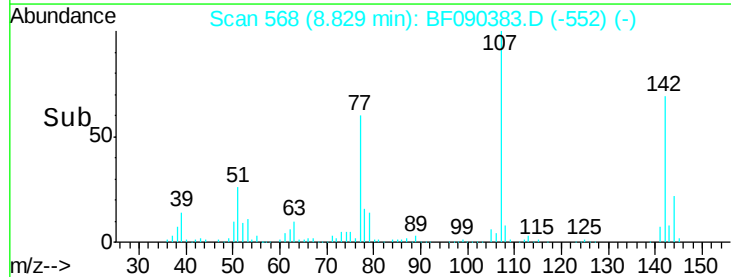
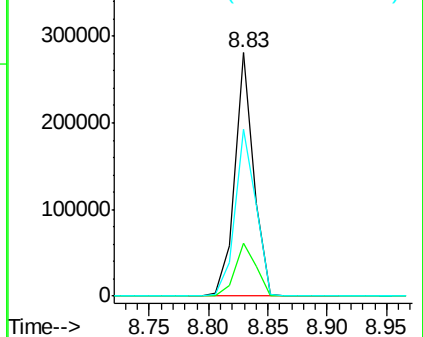


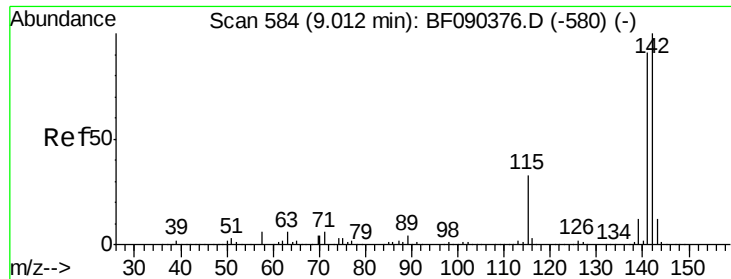
#36
 4-Chloro-3-methylphenol
 Concen: 17.60 ng
 RT: 8.83 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:107 Resp: 310834
 Ion Ratio Lower Upper
 107 100
 144 21.6 19.8 29.8
 142 68.5 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

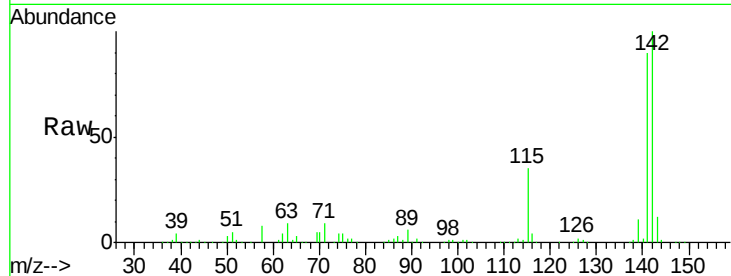




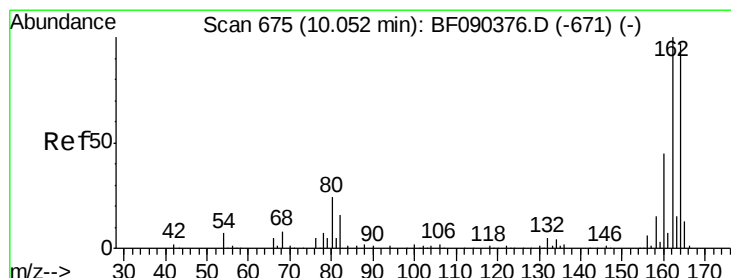
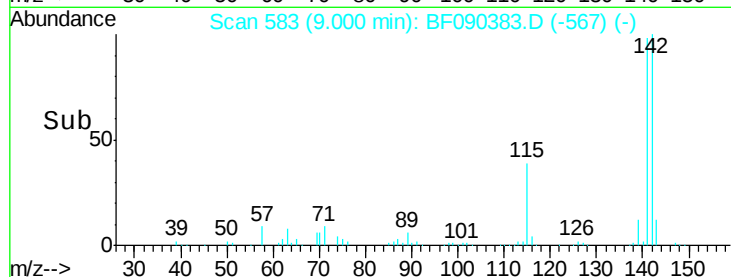
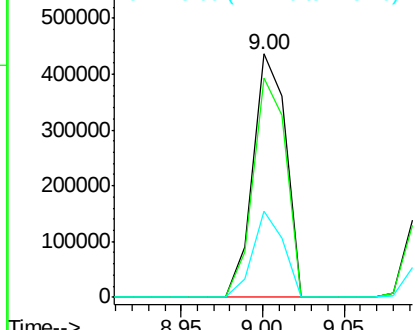
#37
2-Methylnaphthalene
Concen: 19.30 ng
RT: 9.00 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.8	107.8
115	35.4	28.8	43.2

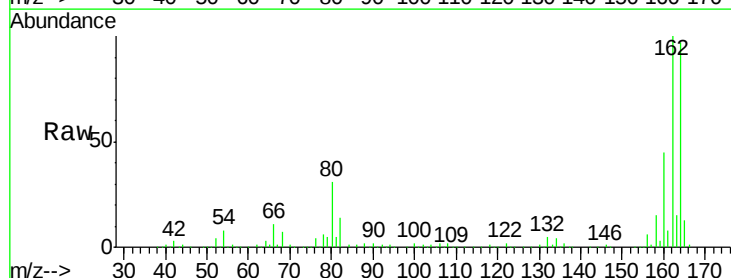


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

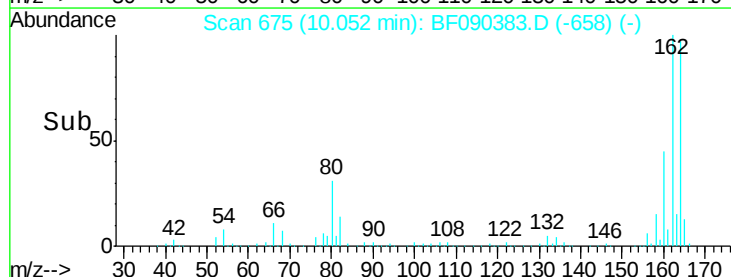
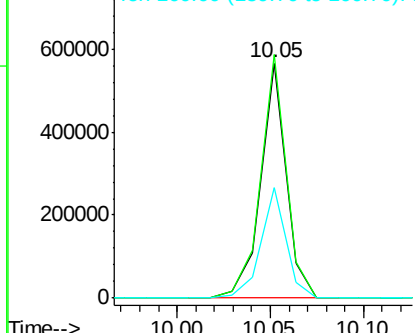


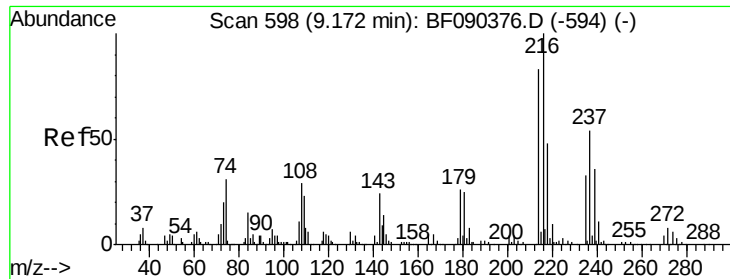
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.05 min Scan# 675
Delta R.T. 0.00 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	80.1	120.1
160	47.0	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

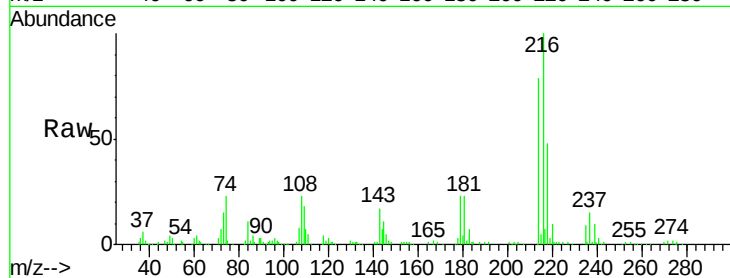




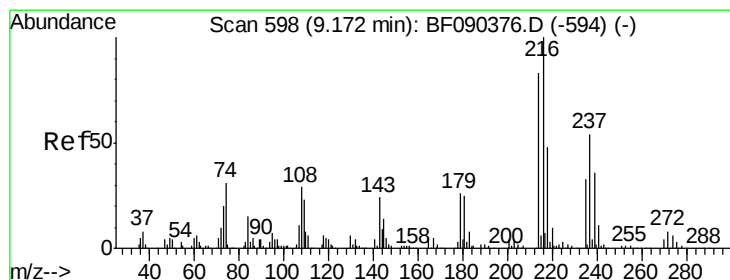
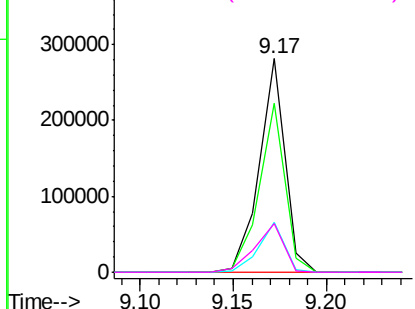
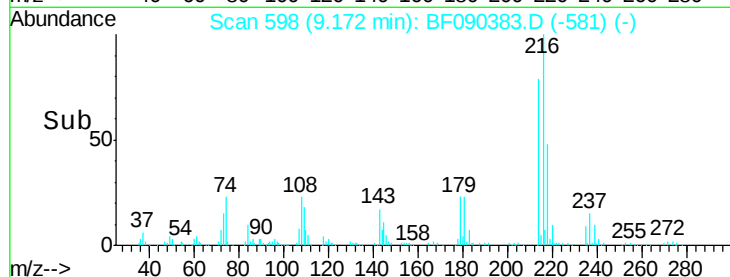
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 18.98 ng
 RT: 9.17 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.9	64.2	96.2
179	23.6	18.0	27.0
108	25.5	15.2	22.8

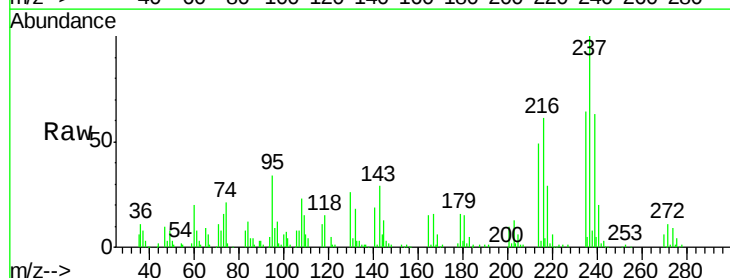


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

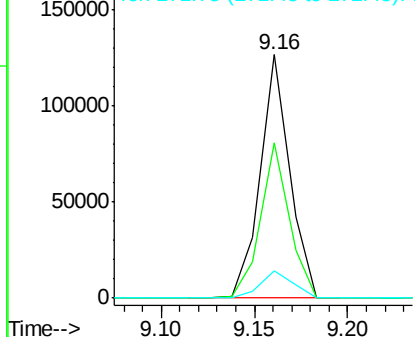
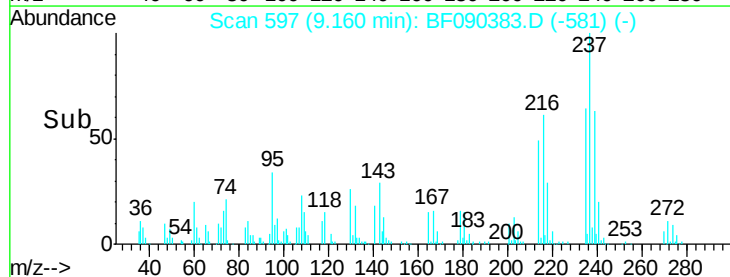


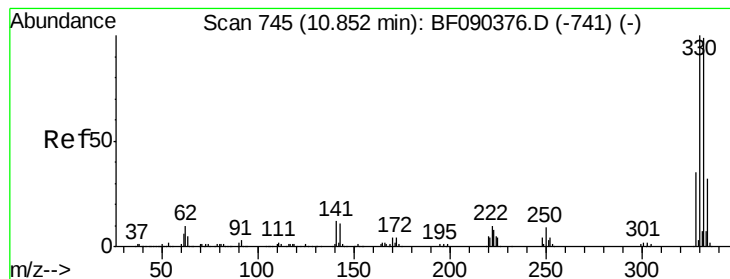
#40
 Hexachlorocyclopentadiene
 Concen: 17.85 ng
 RT: 9.16 min Scan# 597
 Delta R.T. -0.01 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion	Ratio	Lower	Upper
237	100		
235	63.8	43.6	83.6
272	11.3	0.0	32.7



Abundance Ion 236.80 (236.50 to 237.50): E
 Ion 234.90 (234.60 to 235.60): E
 Ion 271.75 (271.45 to 272.45): E

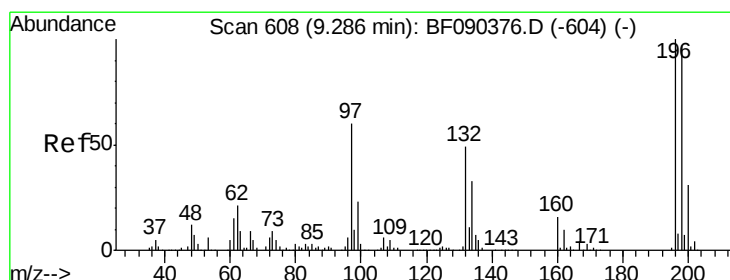
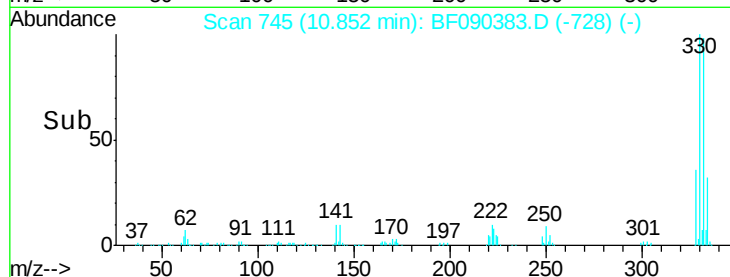
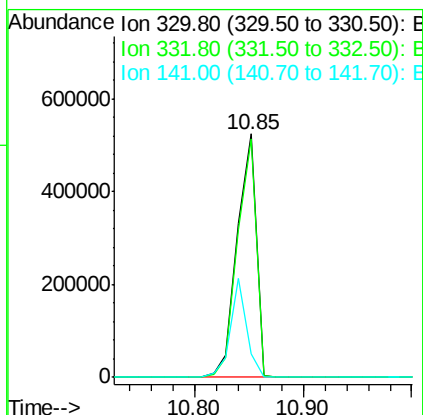
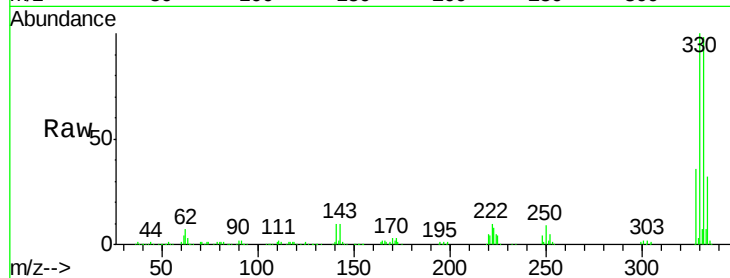




#41
 2,4,6-Tribromophenol
 Concen: 144.87 ng
 RT: 10.85 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

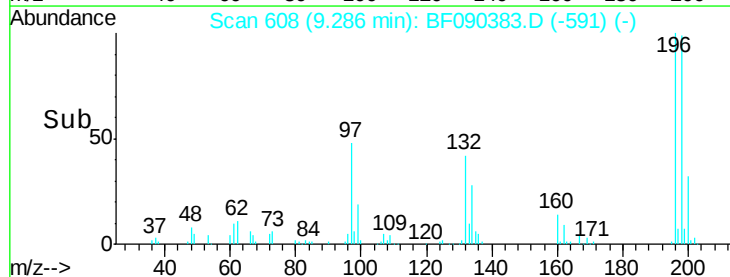
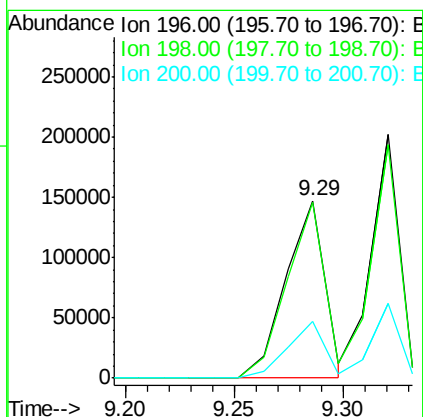
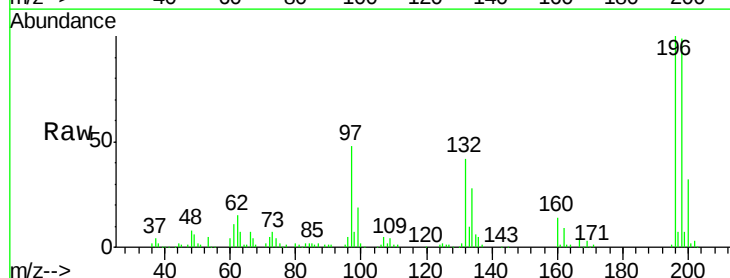
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:330 Resp: 627963
 Ion Ratio Lower Upper
 330 100
 332 96.7 75.4 113.0
 141 34.7 26.9 40.3



#42
 2,4,6-Trichlorophenol
 Concen: 19.05 ng
 RT: 9.29 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:196 Resp: 184764
 Ion Ratio Lower Upper
 196 100
 198 99.0 78.9 118.3
 200 31.7 25.4 38.2

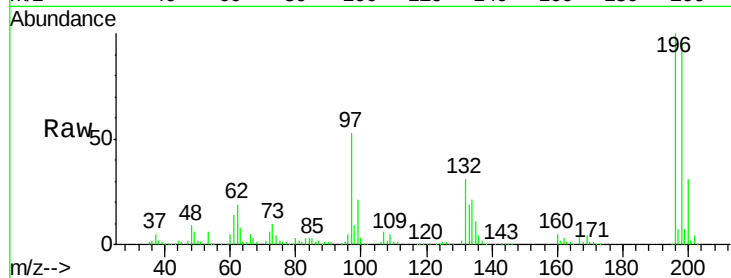




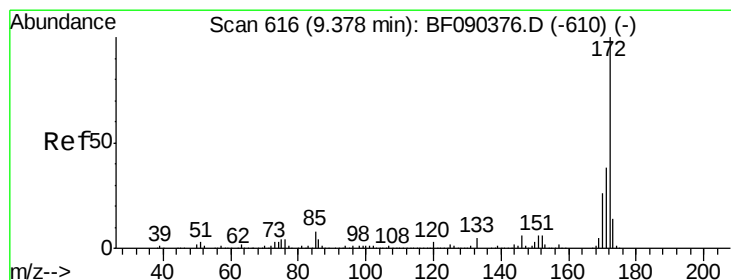
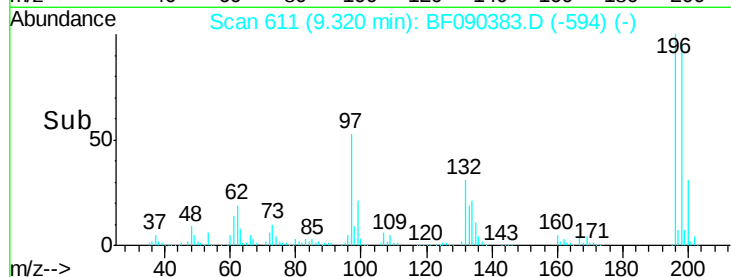
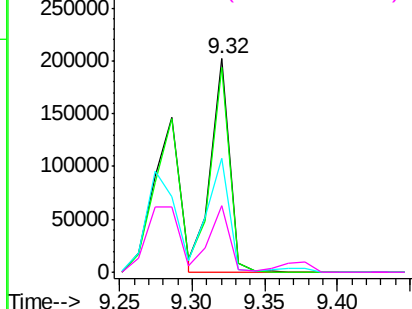
#43
 2,4,5-Trichlorophenol
 Concen: 19.82 ng
 RT: 9.32 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:196 Resp: 181780
 Ion Ratio Lower Upper
 196 100
 198 95.9 78.1 117.1
 97 53.1 48.1 72.1
 132 31.3 27.4 41.2

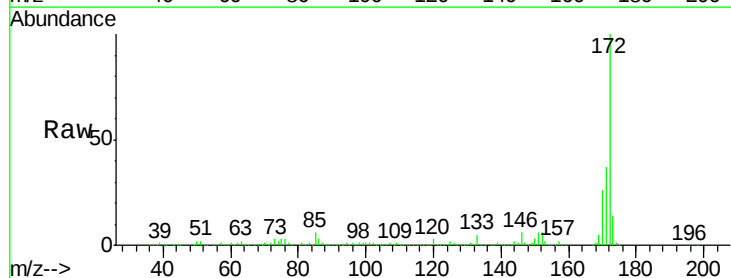


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

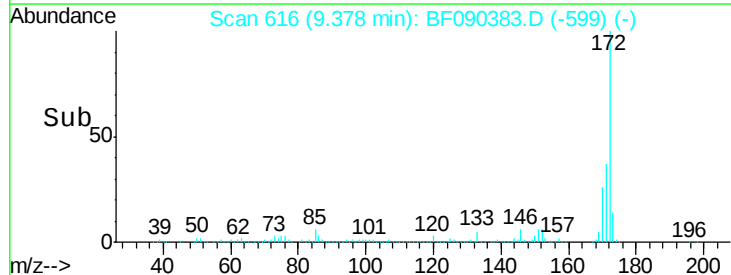
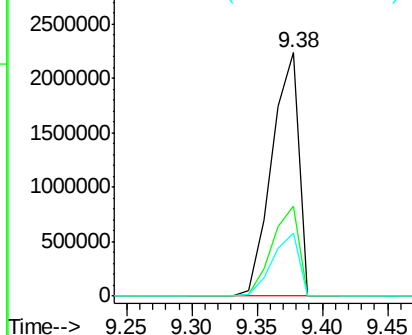


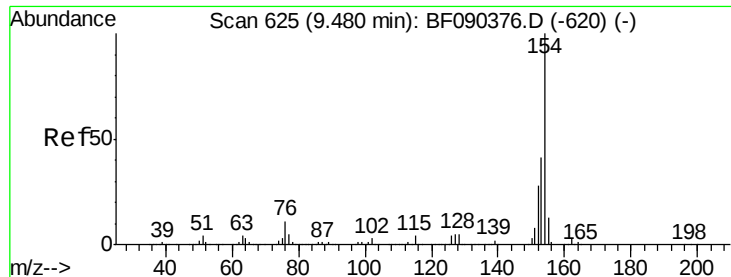
#44
 2-Fluorobiphenyl
 Concen: 101.22 ng
 RT: 9.38 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:172 Resp: 3238405
 Ion Ratio Lower Upper
 172 100
 171 37.2 31.8 47.8
 170 25.8 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: 20.43 ng

RT: 9.47 min Scan# 624

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

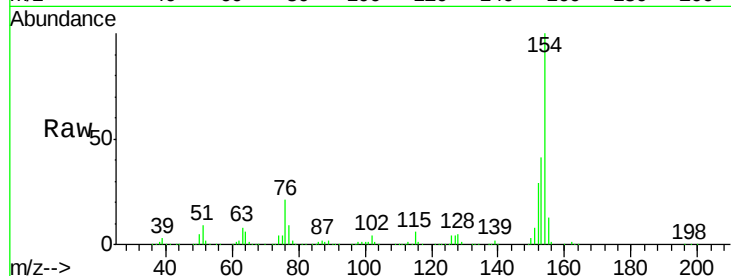
Tgt Ion:154 Resp: 807141

Ion Ratio Lower Upper

154 100

153 40.7 23.8 63.8

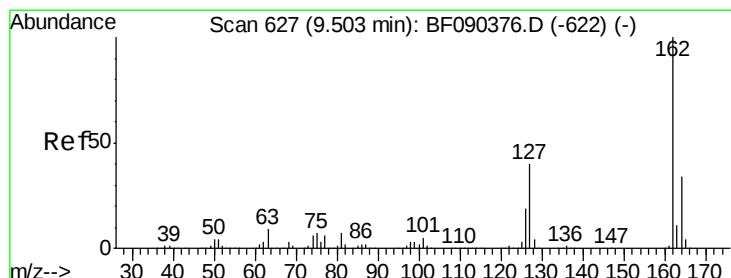
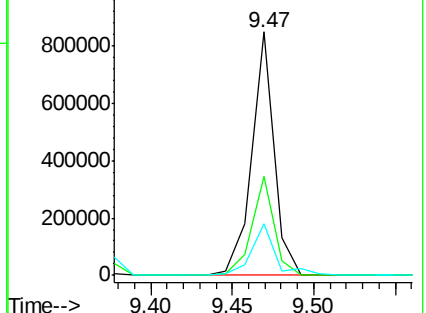
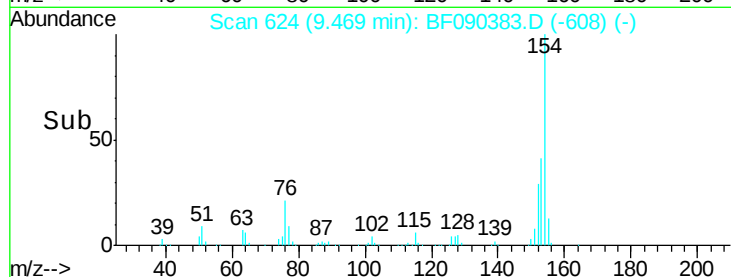
76 21.0 0.0 35.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 19.28 ng

RT: 9.49 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

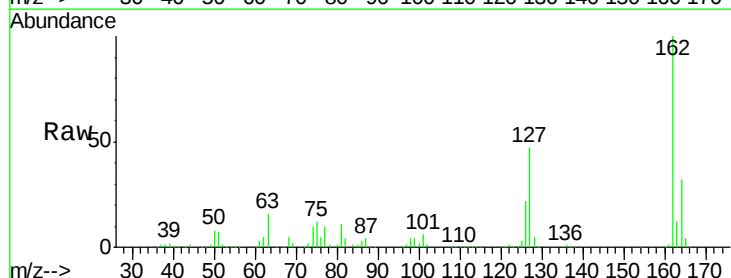
Tgt Ion:162 Resp: 562778

Ion Ratio Lower Upper

162 100

127 46.5 35.6 53.4

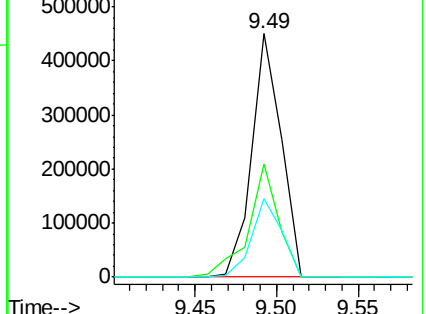
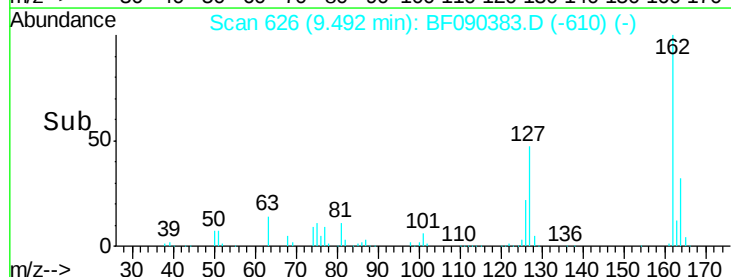
164 32.2 27.5 41.3

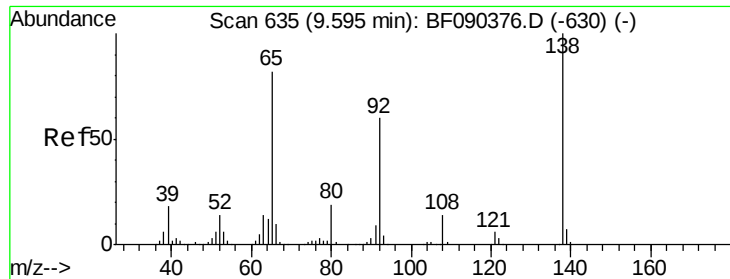


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

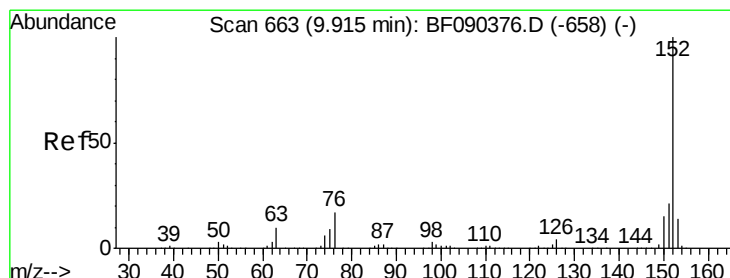
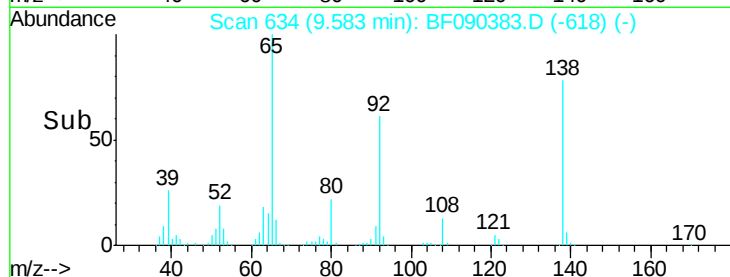
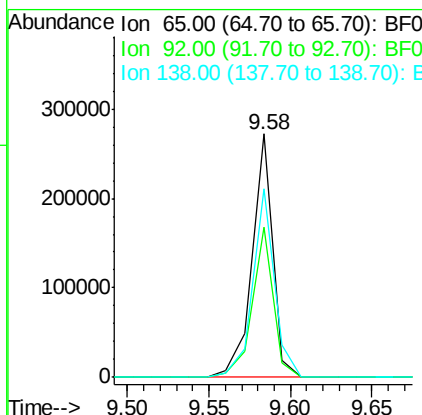
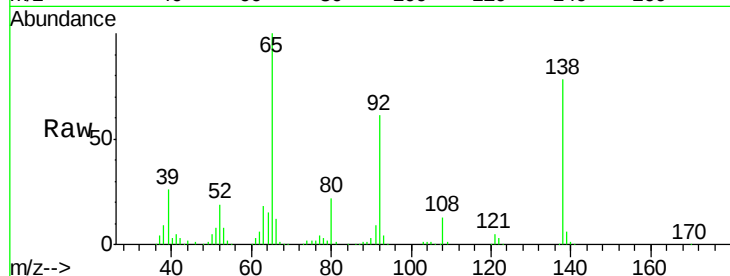




#47
2-Nitroaniline
Concen: 20.70 ng
RT: 9.58 min Scan# 634
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

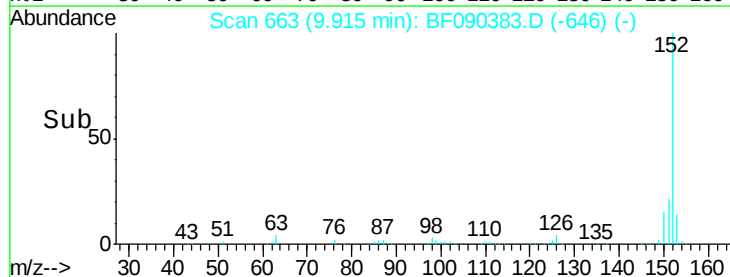
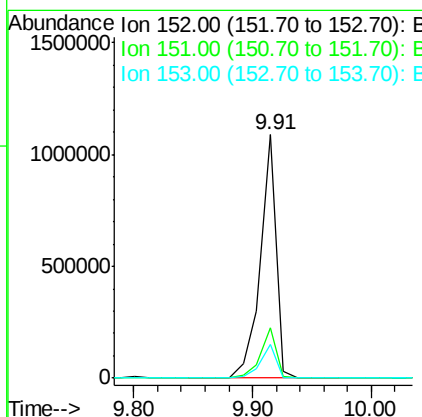
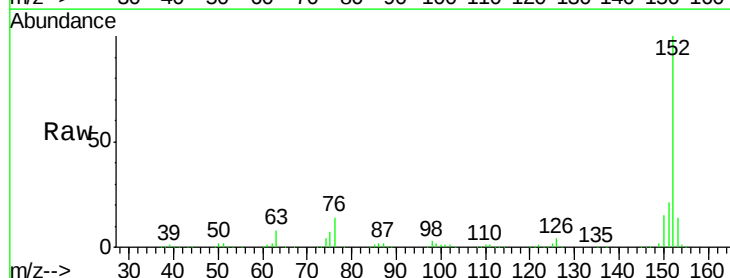
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

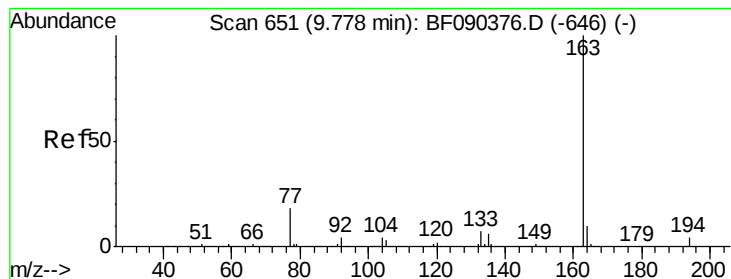
Tgt Ion: 65 Resp: 238341
Ion Ratio Lower Upper
65 100
92 61.5 51.7 77.5
138 77.6 79.0 118.4#



#48
Acenaphthylene
Concen: 21.16 ng
RT: 9.91 min Scan# 663
Delta R.T. 0.00 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion: 152 Resp: 1019190
Ion Ratio Lower Upper
152 100
151 20.5 17.4 26.0
153 13.8 11.6 17.4





#49

Dimethylphthalate

Concen: 20.06 ng

RT: 9.77 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

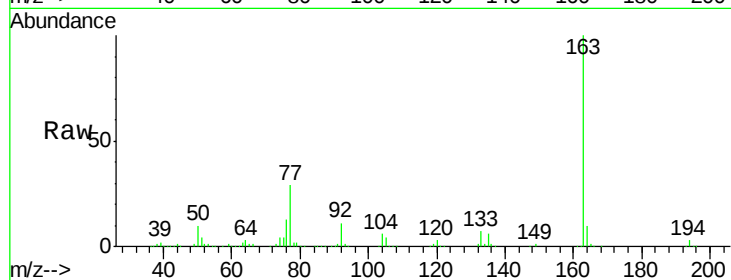
Tgt Ion:163 Resp: 684777

Ion Ratio Lower Upper

163 100

194 3.0 2.8 4.2

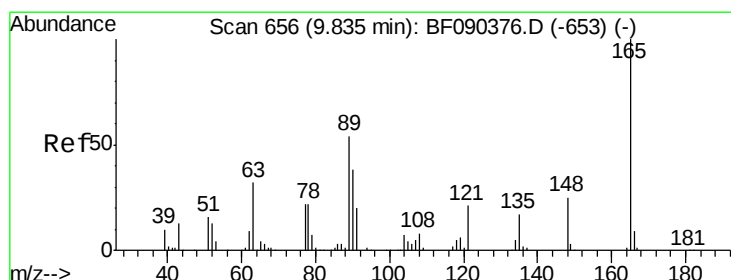
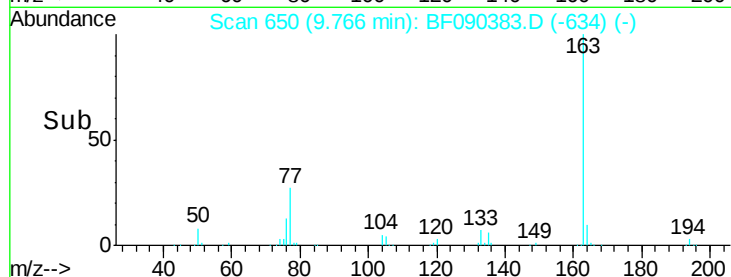
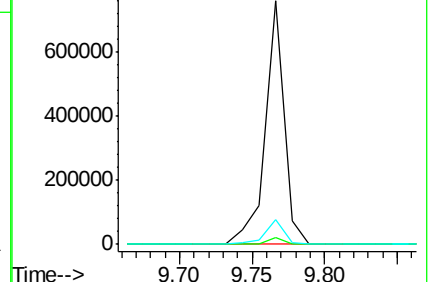
164 10.3 9.0 13.4



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: 17.84 ng

RT: 9.82 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

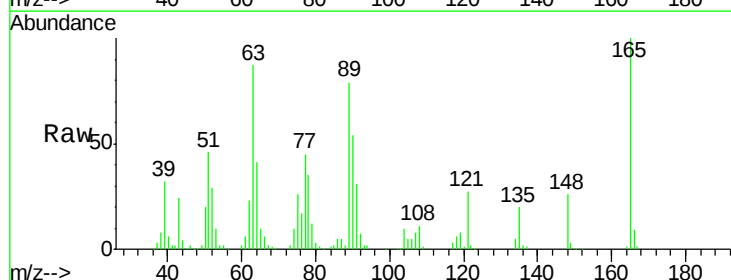
Tgt Ion:165 Resp: 135220

Ion Ratio Lower Upper

165 100

63 87.3 58.0 87.0#

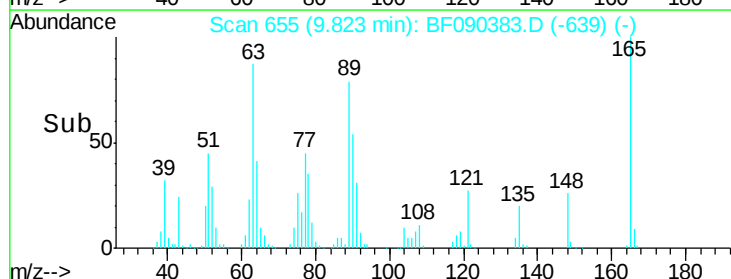
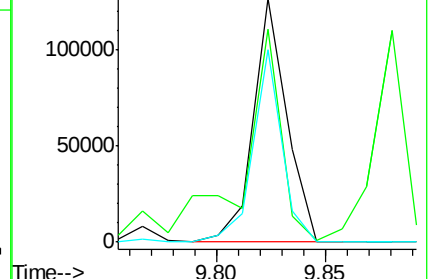
89 78.9 51.2 76.8#

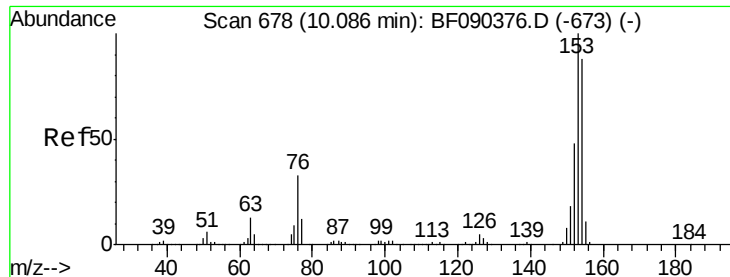


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 20.92 ng

RT: 10.09 min Scan# 678

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02-QT4

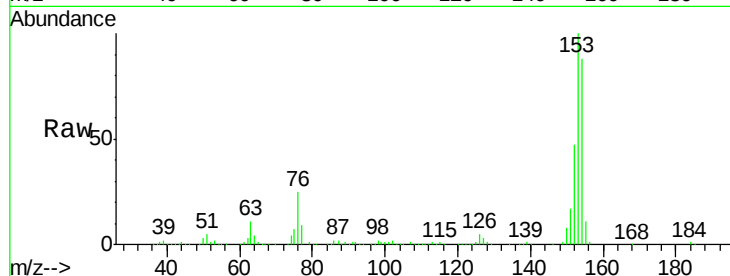
Tgt Ion:154 Resp: 628059

Ion Ratio Lower Upper

154 100

153 114.0 88.6 133.0

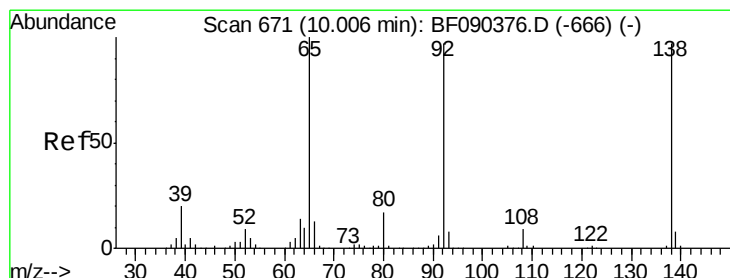
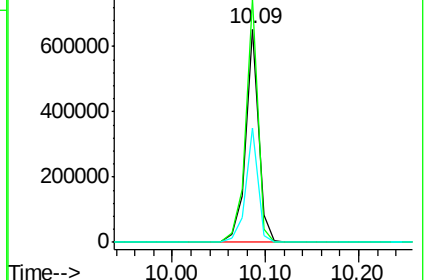
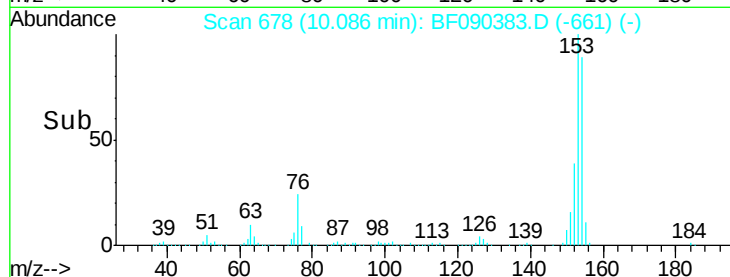
152 53.6 42.6 64.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 19.99 ng

RT: 9.99 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

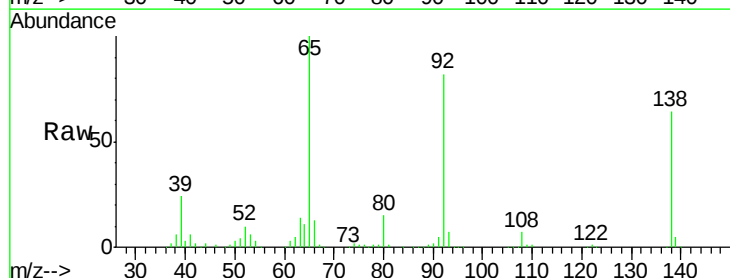
Tgt Ion:138 Resp: 177018

Ion Ratio Lower Upper

138 100

108 10.5 9.7 14.5

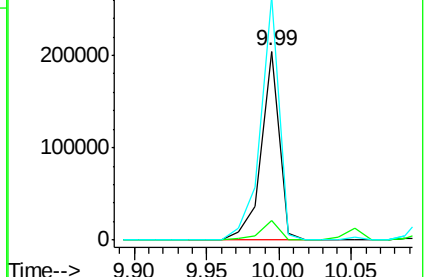
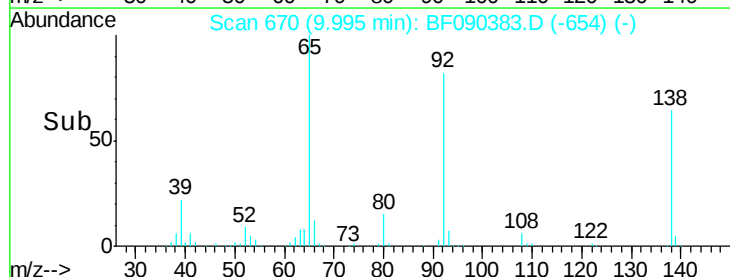
92 129.0 97.1 145.7

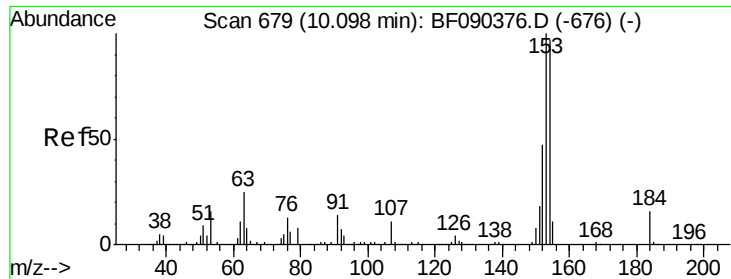


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

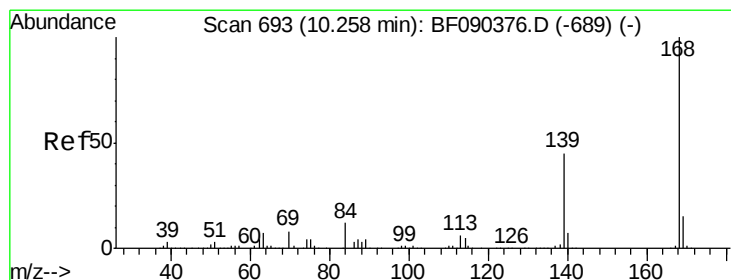
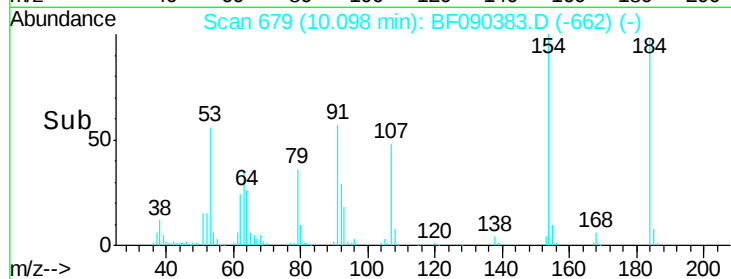
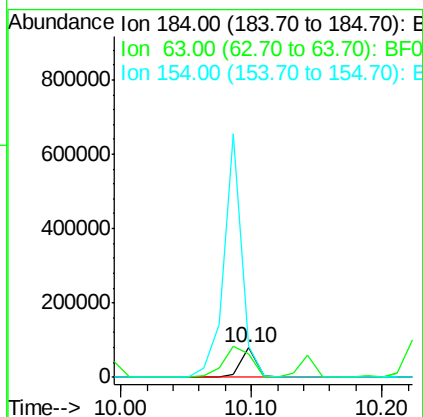
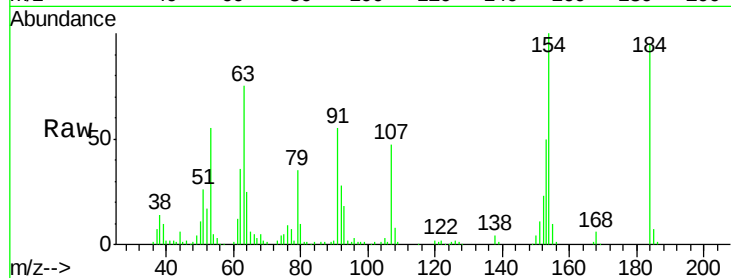




#53
 2,4-Dinitrophenol
 Concen: 19.54 ng
 RT: 10.10 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

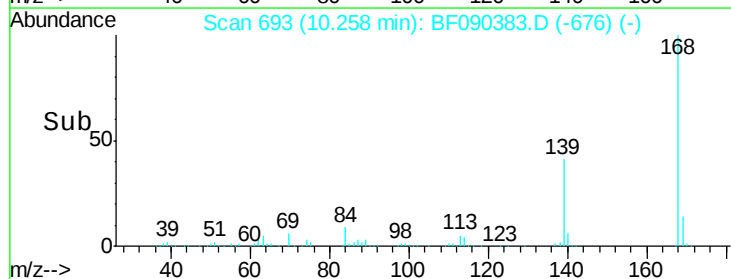
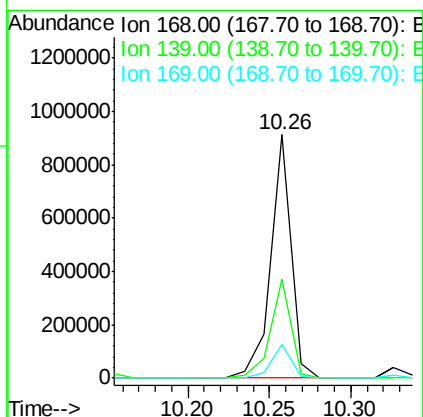
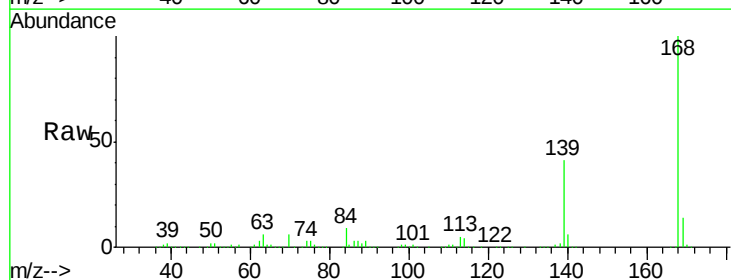
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

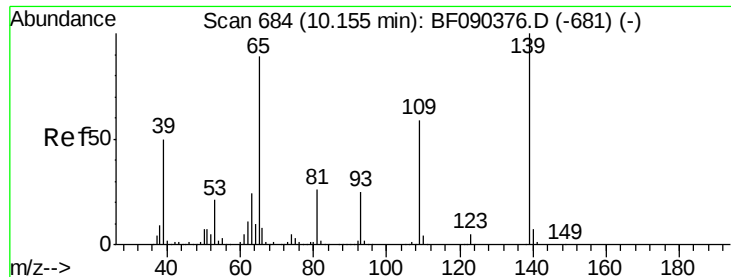
Tgt Ion:184 Resp: 66034
 Ion Ratio Lower Upper
 184 100
 63 78.5 41.9 62.9#
 154 105.3 48.9 73.3#



#54
 Dibenzofuran
 Concen: 20.50 ng
 RT: 10.26 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:168 Resp: 796538
 Ion Ratio Lower Upper
 168 100
 139 40.6 29.6 44.4
 169 14.0 11.3 16.9

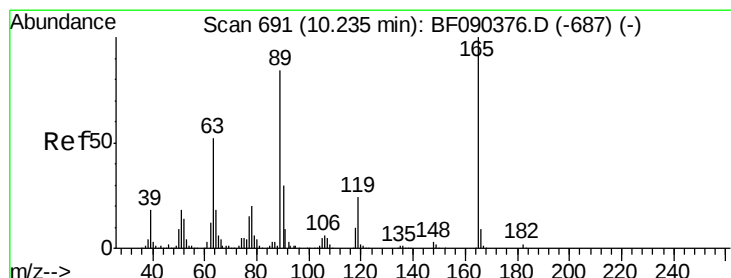
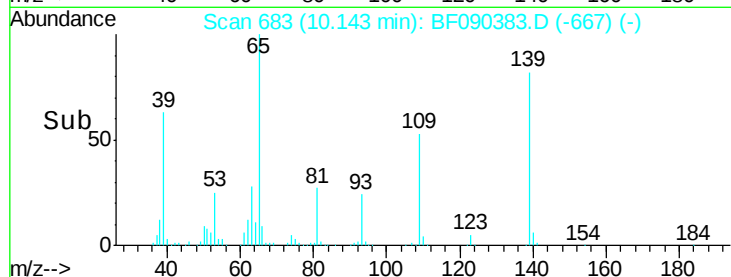
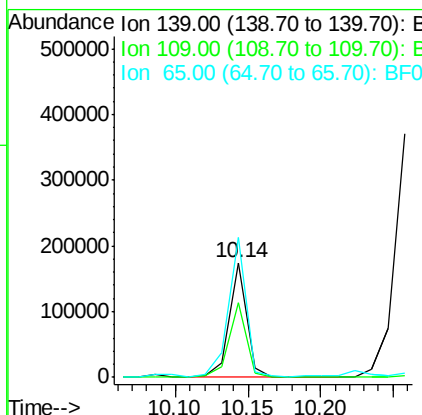
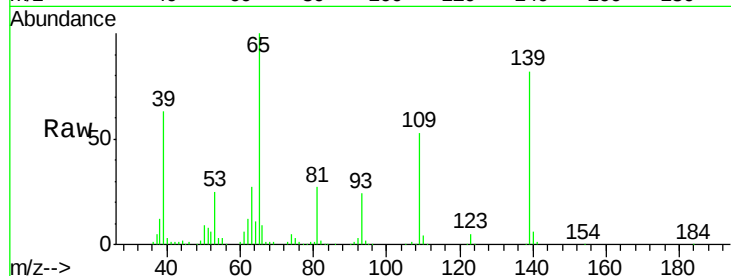




#55
4-Nitrophenol
Concen: 19.15 ng
RT: 10.14 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

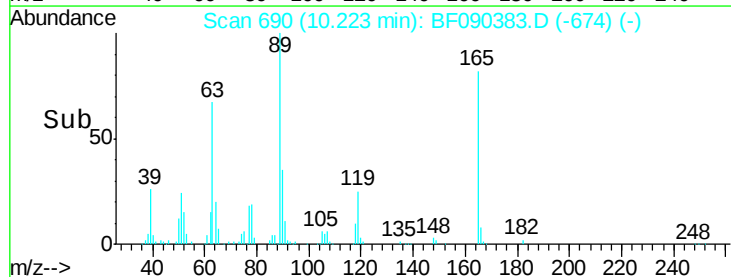
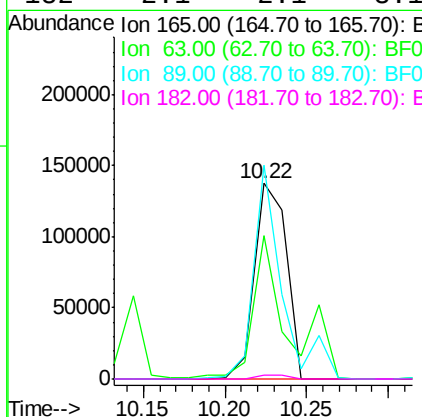
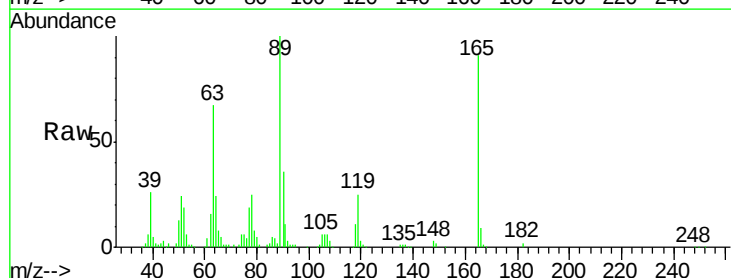
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

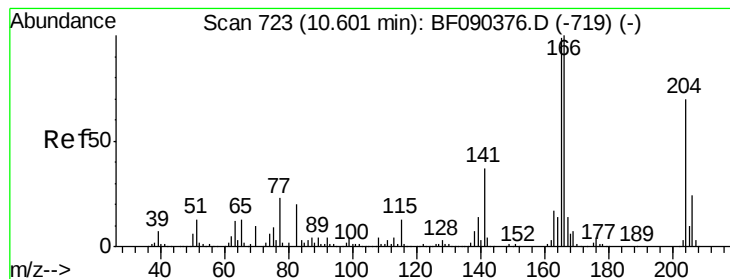
Tgt Ion:139 Resp: 148360
Ion Ratio Lower Upper
139 100
109 65.0 43.6 83.6
65 122.3 87.5 127.5



#56
2,4-Dinitrotoluene
Concen: 18.58 ng
RT: 10.22 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion:165 Resp: 187448
Ion Ratio Lower Upper
165 100
63 73.1 17.8 26.6#
89 109.3 33.2 49.8#
182 2.1 2.1 3.1





#57

Fluorene

Concen: 20.73 ng

RT: 10.60 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02-QT4

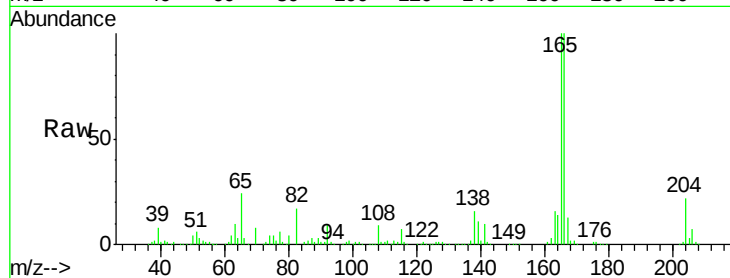
Tgt Ion:166 Resp: 677032

Ion Ratio Lower Upper

166 100

165 99.6 79.2 118.8

167 13.5 11.1 16.7

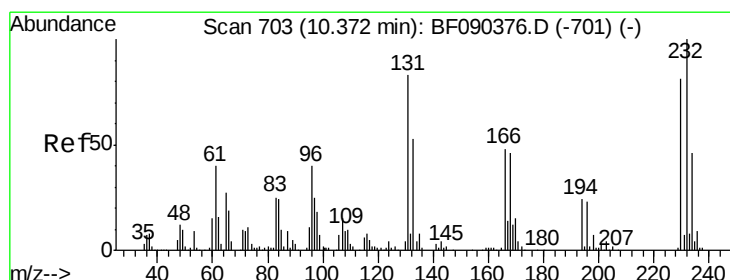
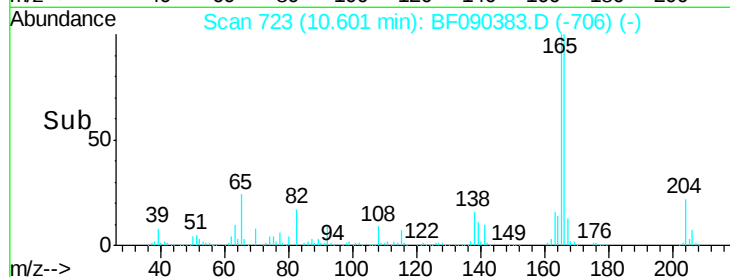
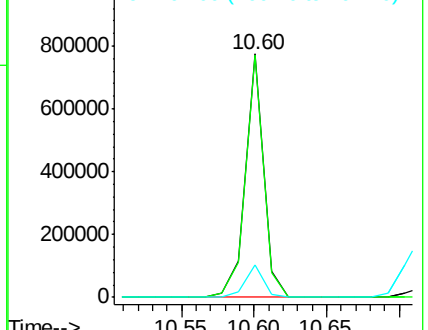


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 18.68 ng

RT: 10.37 min Scan# 703

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Tgt Ion:232 Resp: 127925

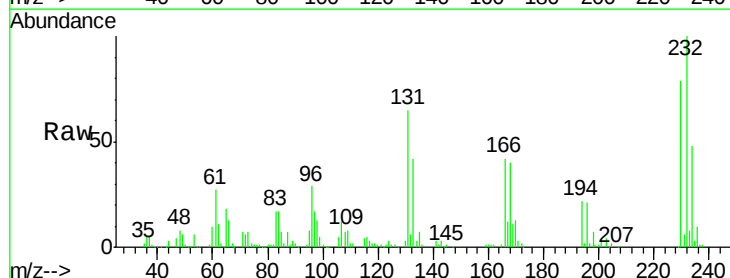
Ion Ratio Lower Upper

232 100

131 63.6 34.5 51.7#

130 2.8 1.6 2.4#

166 40.8 23.8 35.8#



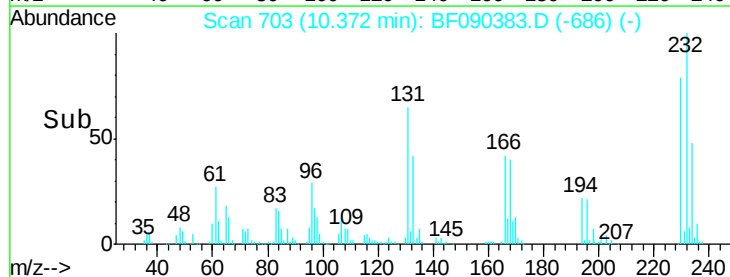
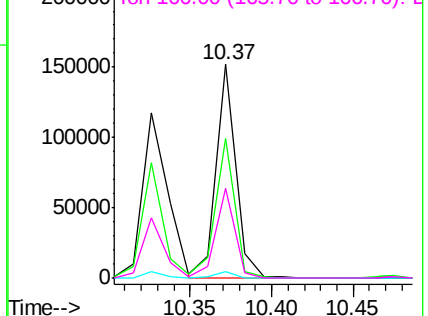
Abundance

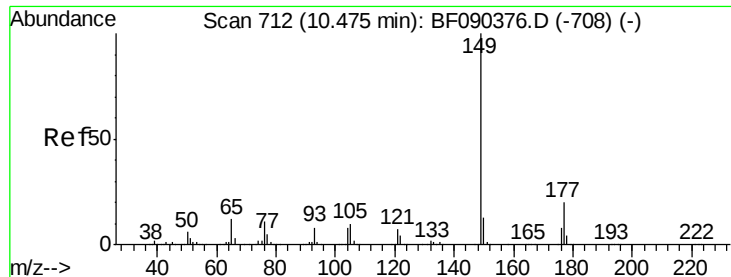
Ion 232.00 (231.70 to 232.70): E

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

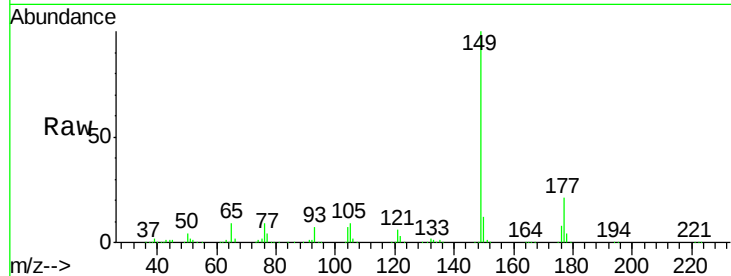




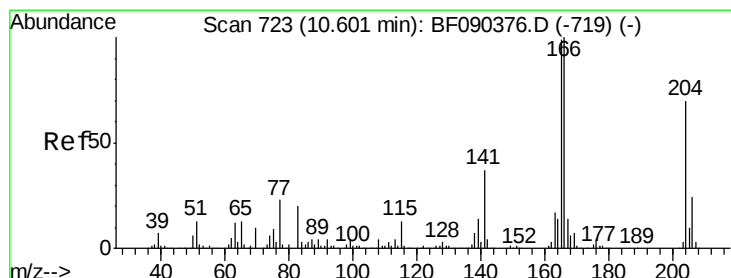
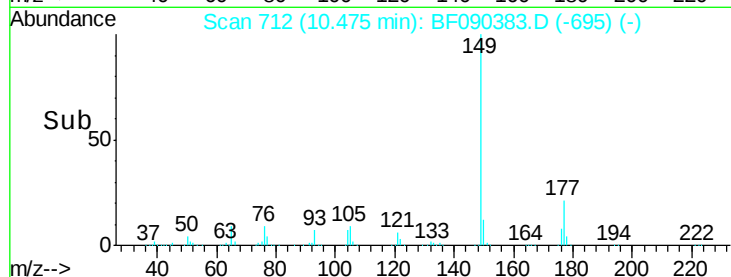
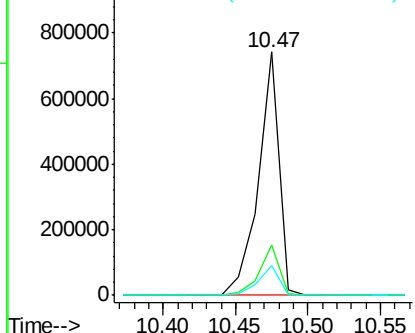
#59
Diethylphthalate
Concen: 20.71 ng
RT: 10.47 min Scan# 712
Delta R.T. 0.00 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion:149 Resp: 731592
Ion Ratio Lower Upper
149 100
177 20.9 21.1 31.7#
150 12.3 10.2 15.2

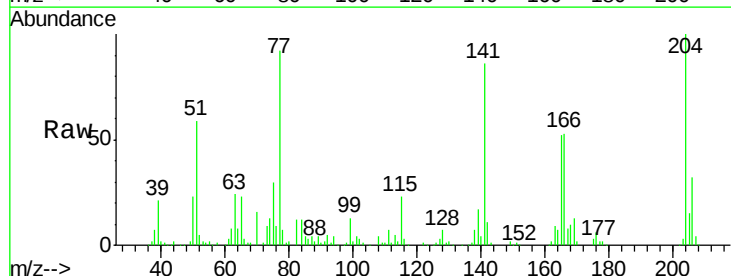


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

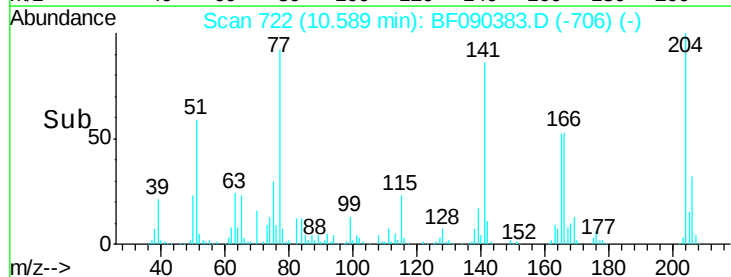
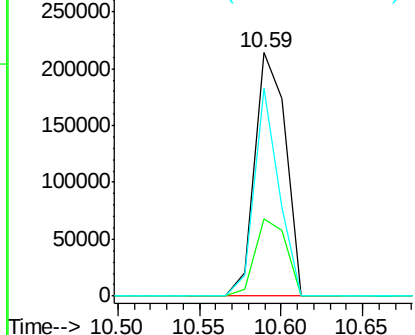


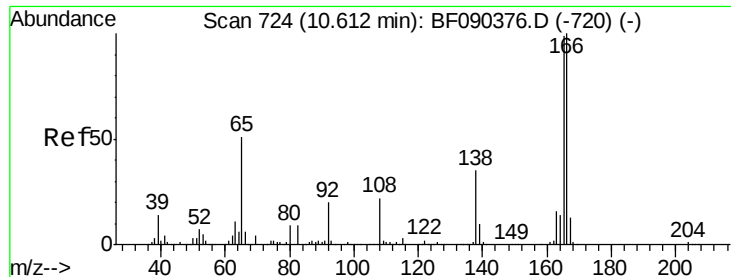
#60
4-Chlorophenyl-phenylether
Concen: 18.91 ng
RT: 10.59 min Scan# 722
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion:204 Resp: 280828
Ion Ratio Lower Upper
204 100
206 31.8 26.7 40.1
141 85.6 51.7 77.5#



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





#61

4-Nitroaniline

Concen: 20.60 ng

RT: 10.61 min Scan# 724

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

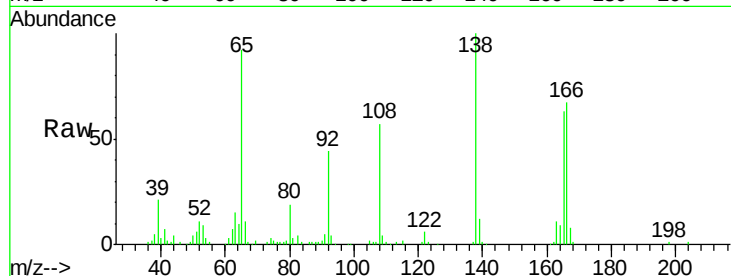
Tgt Ion:138 Resp: 183777

Ion Ratio Lower Upper

138 100

92 44.3 33.2 73.2

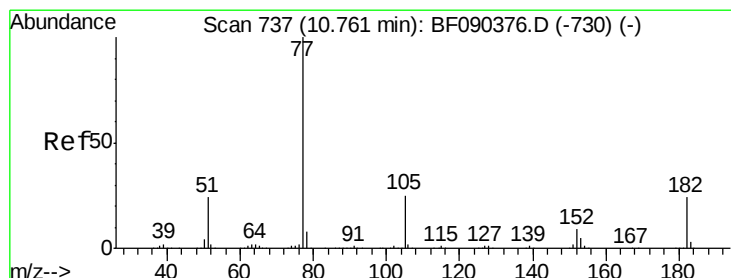
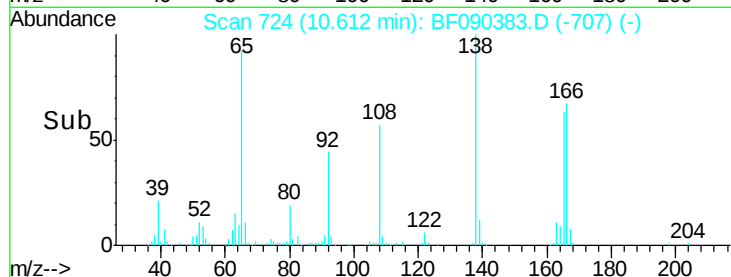
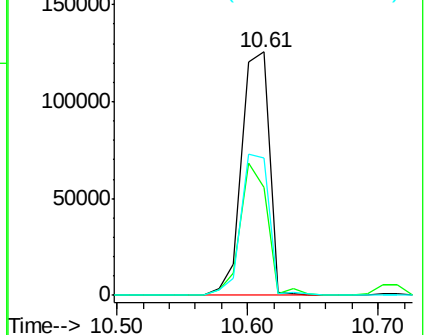
108 56.5 48.5 88.5



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: 21.06 ng

RT: 10.75 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Tgt Ion: 77 Resp: 859435

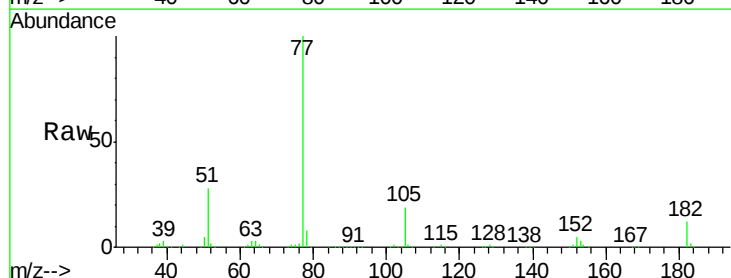
Ion Ratio Lower Upper

77 100

182 11.9 3.2 43.2

105 19.0 2.9 42.9

51 28.2 14.2 54.2

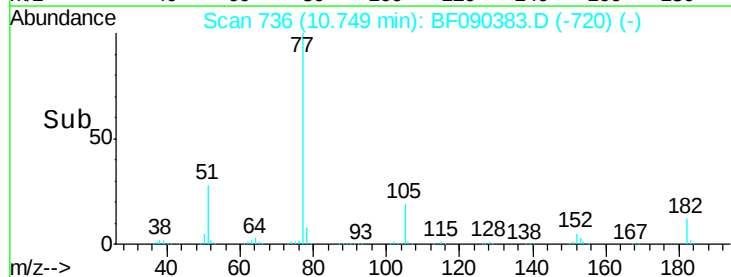
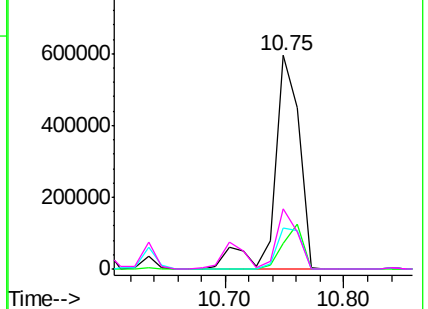


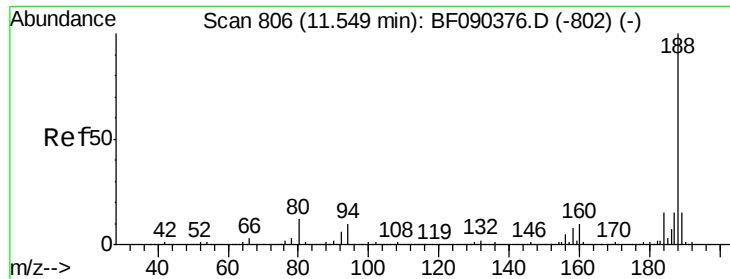
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

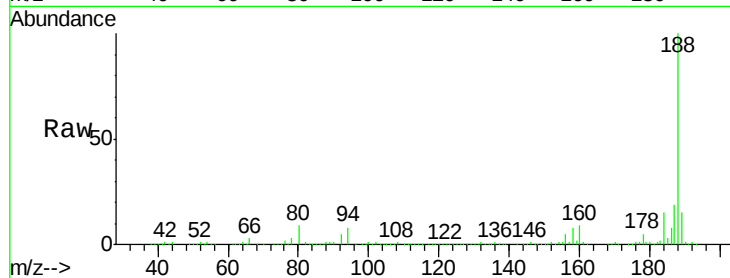




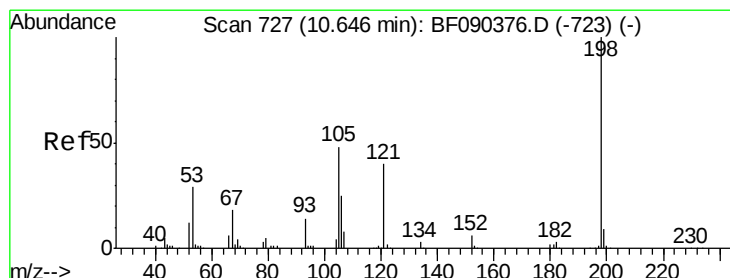
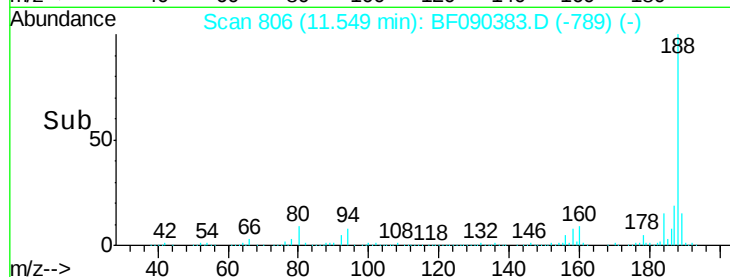
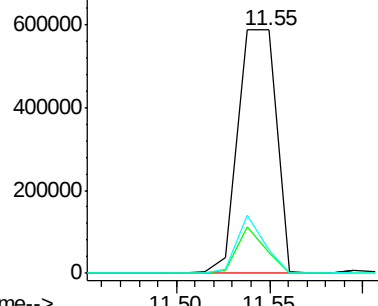
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.55 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:188 Resp: 837810
 Ion Ratio Lower Upper
 188 100
 94 8.4 8.2 12.2
 80 9.4 8.8 13.2

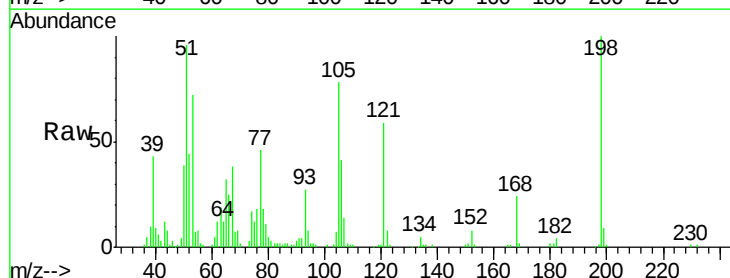


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

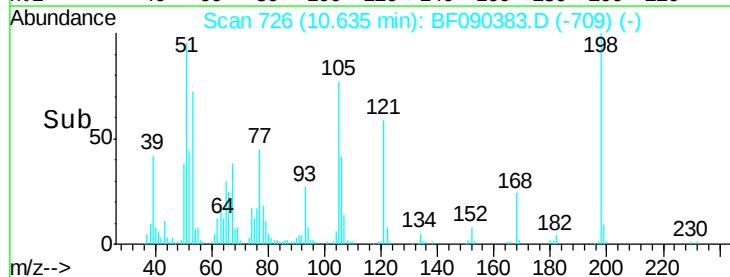
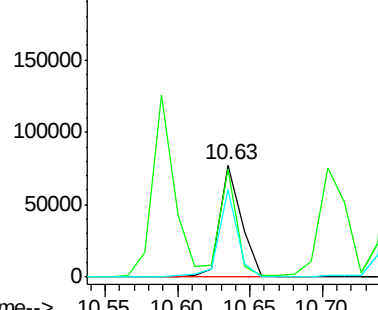


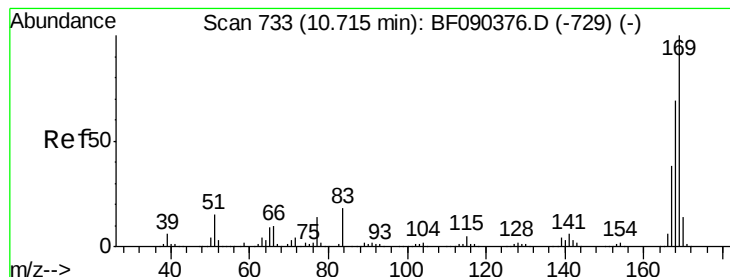
#64
 4,6-Dinitro-2-methylphenol
 Concen: 18.01 ng
 RT: 10.63 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:198 Resp: 80216
 Ion Ratio Lower Upper
 198 100
 51 95.6 67.3 107.3
 105 77.9 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

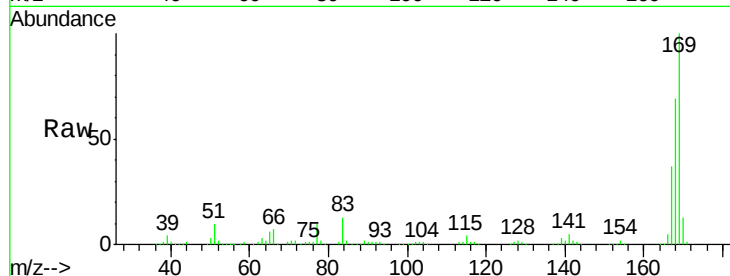




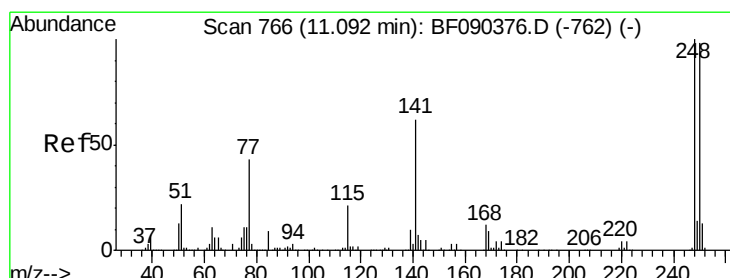
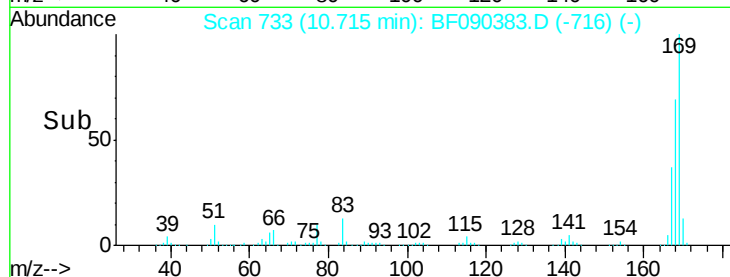
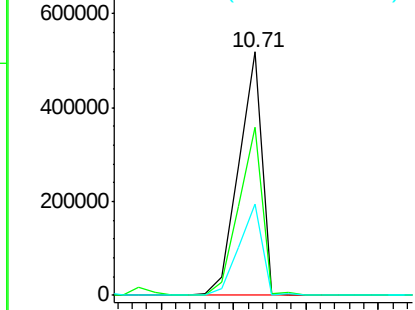
#65
 n-Nitrosodiphenylamine
 Concen: 20.45 ng
 RT: 10.71 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:169 Resp: 574141
 Ion Ratio Lower Upper
 169 100
 168 69.1 53.8 80.6
 167 37.3 29.8 44.8

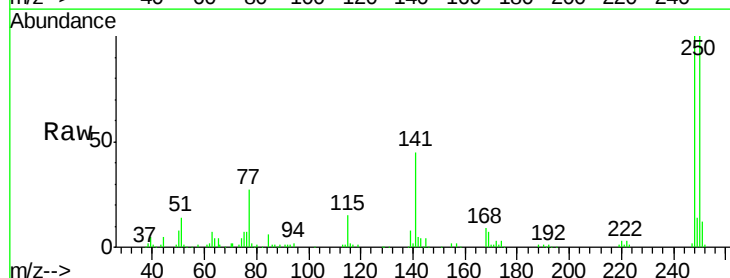


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

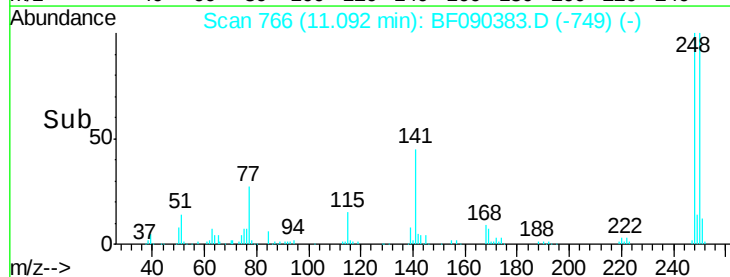
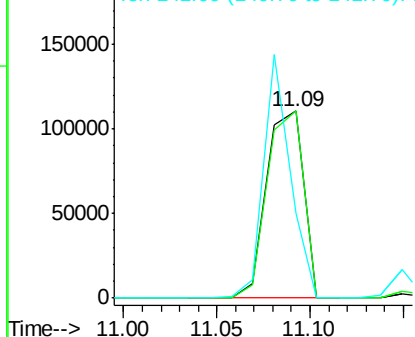


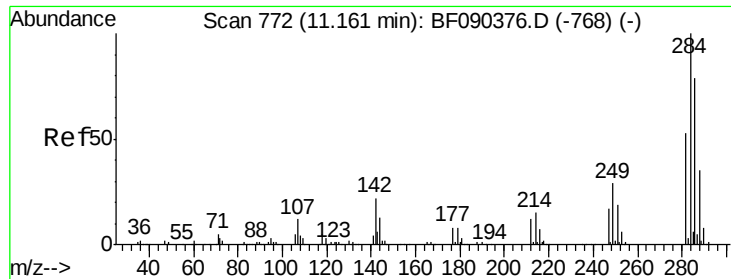
#66
 4-Bromophenyl-phenylether
 Concen: 18.53 ng
 RT: 11.09 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:248 Resp: 152218
 Ion Ratio Lower Upper
 248 100
 250 100.2 76.5 114.7
 141 45.4 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

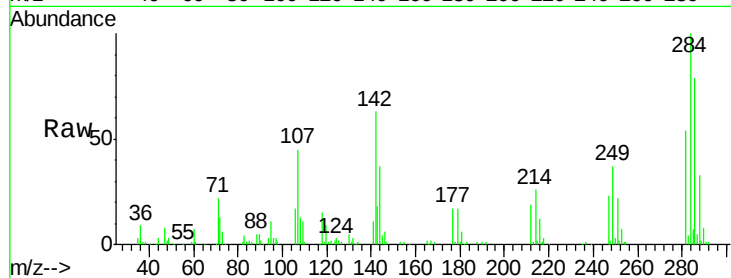




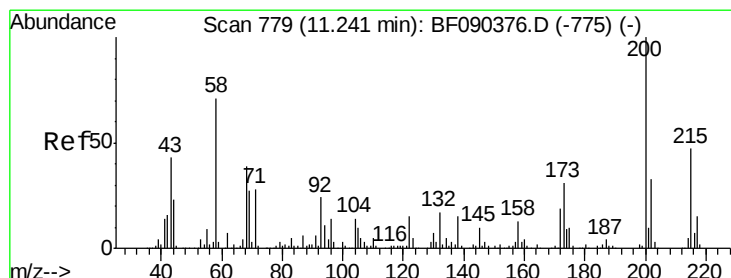
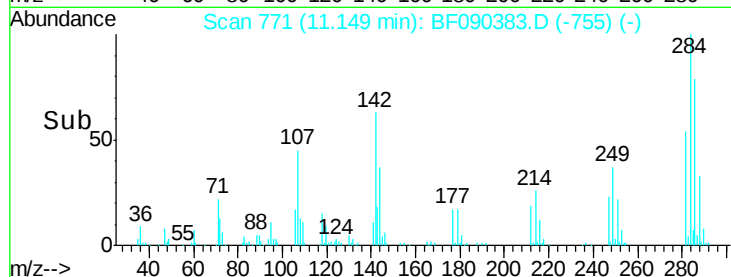
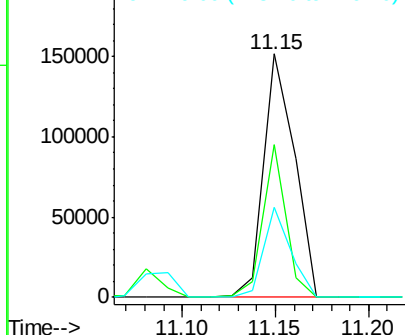
#67
Hexachlorobenzene
Concen: 18.83 ng
RT: 11.15 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

Tgt Ion:284 Resp: 172229
Ion Ratio Lower Upper
284 100
142 63.0 23.1 34.7#
249 36.8 26.3 39.5

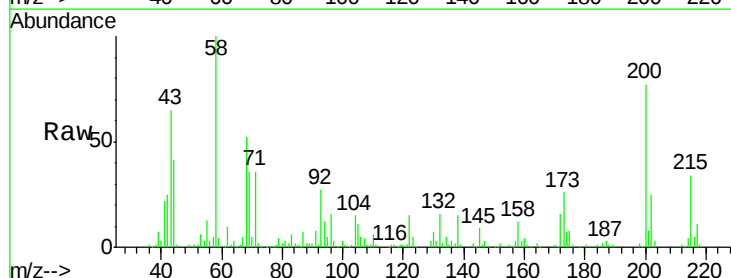


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

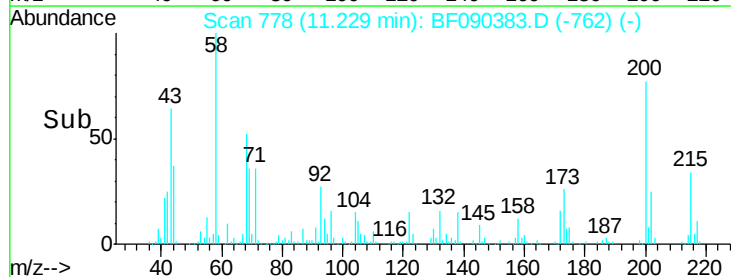
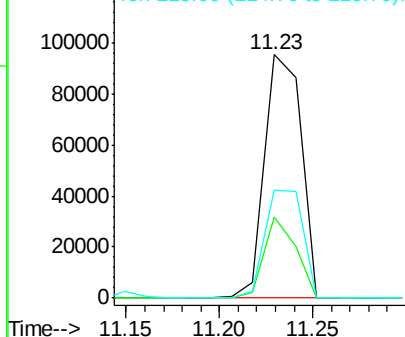


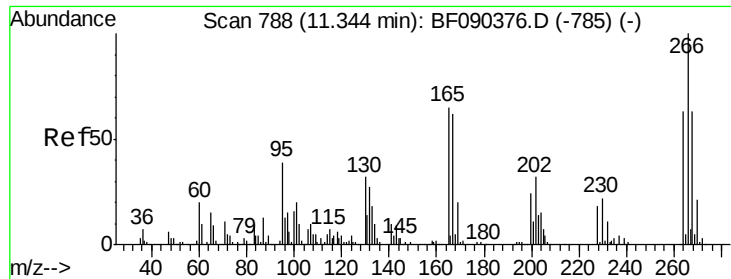
#68
Atrazine
Concen: 18.70 ng
RT: 11.23 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion:200 Resp: 129457
Ion Ratio Lower Upper
200 100
173 33.2 9.0 49.0
215 44.3 24.8 64.8



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

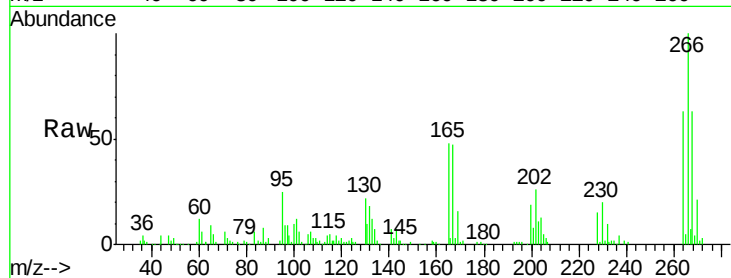




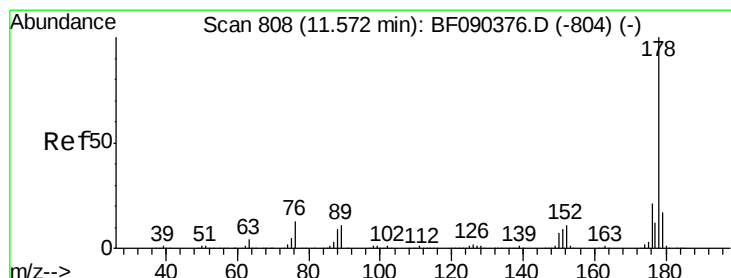
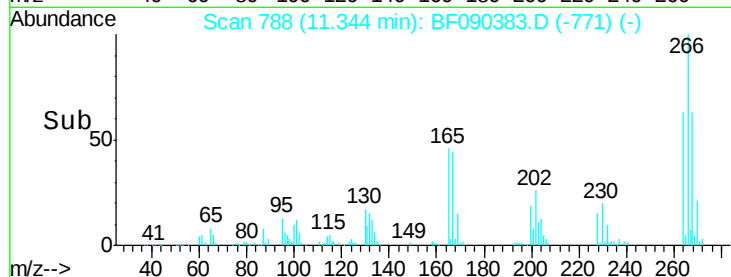
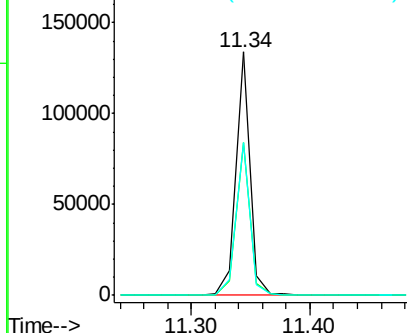
#69
 Pentachlorophenol
 Concen: 20.34 ng
 RT: 11.34 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion:266 Resp: 110758
 Ion Ratio Lower Upper
 266 100
 268 62.5 50.9 76.3
 264 62.6 51.5 77.3

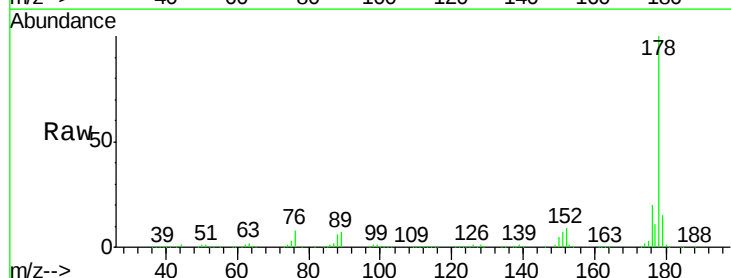


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

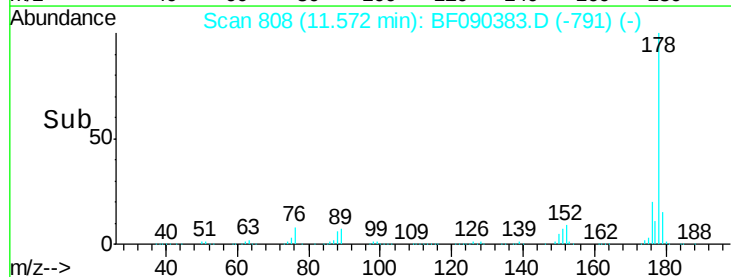
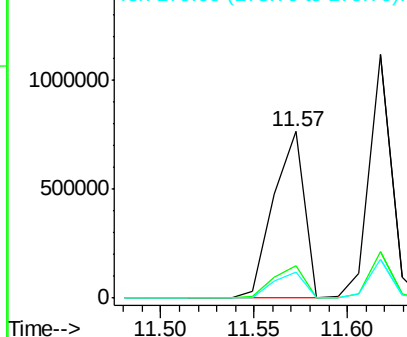


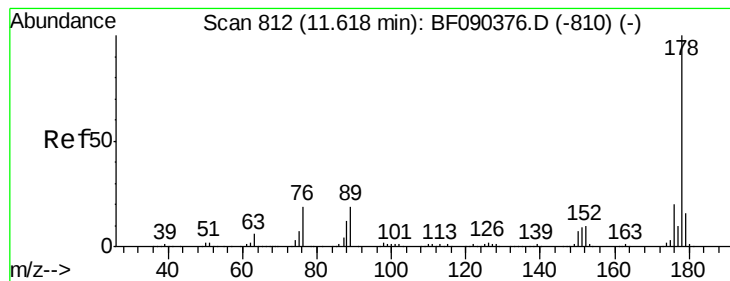
#70
 Phenanthrene
 Concen: 20.65 ng
 RT: 11.57 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:178 Resp: 885787
 Ion Ratio Lower Upper
 178 100
 176 19.6 17.3 25.9
 179 15.3 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: 20.86 ng

RT: 11.62 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

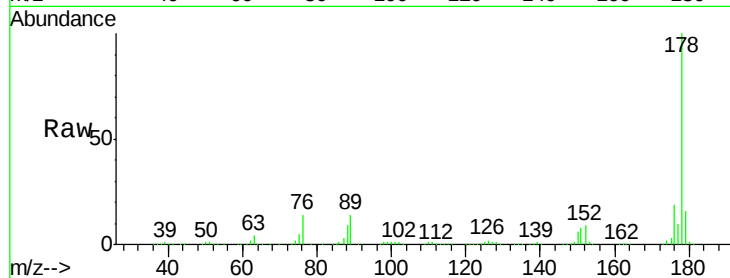
Tgt Ion:178 Resp: 913939

Ion Ratio Lower Upper

178 100

176 19.3 16.8 25.2

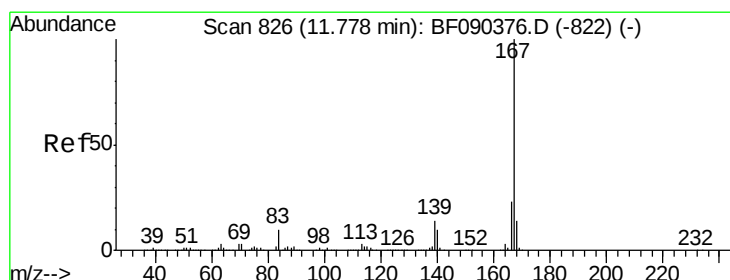
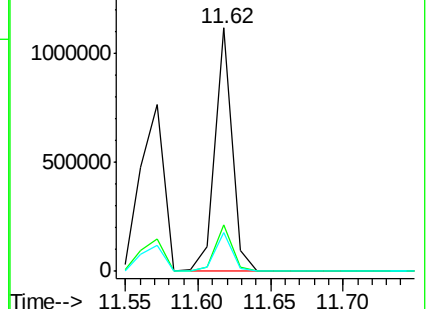
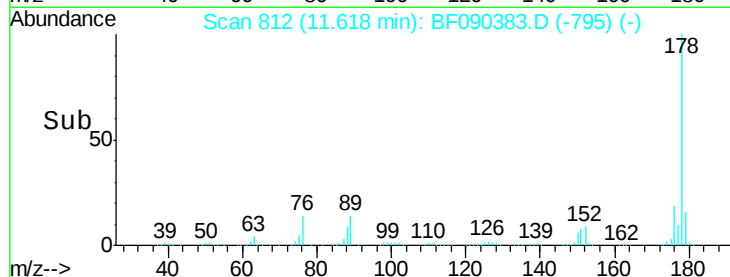
179 15.8 13.4 20.2



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: 19.91 ng

RT: 11.77 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

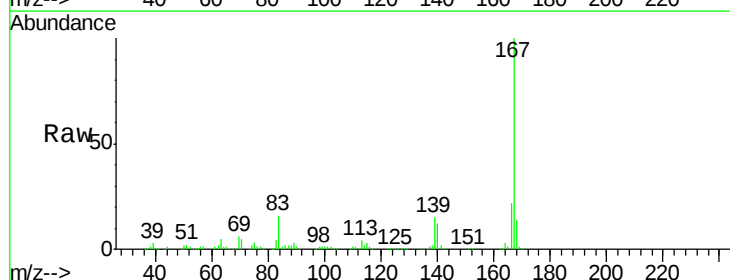
Tgt Ion:167 Resp: 810571

Ion Ratio Lower Upper

167 100

166 22.3 19.1 28.7

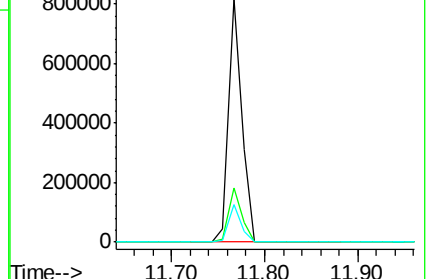
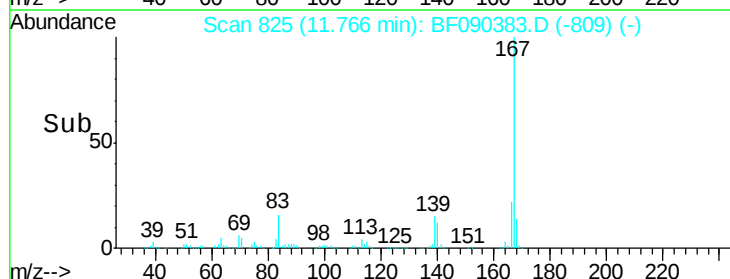
139 15.3 12.1 18.1

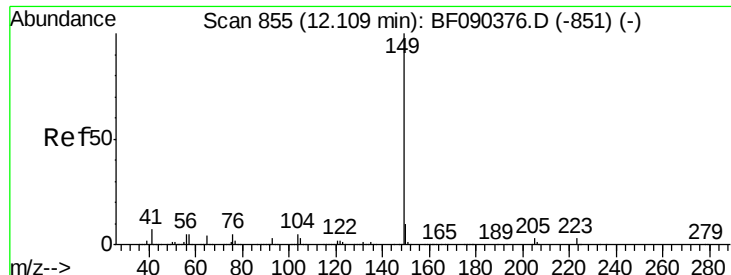


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 22.67 ng

RT: 12.11 min Scan# 855

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

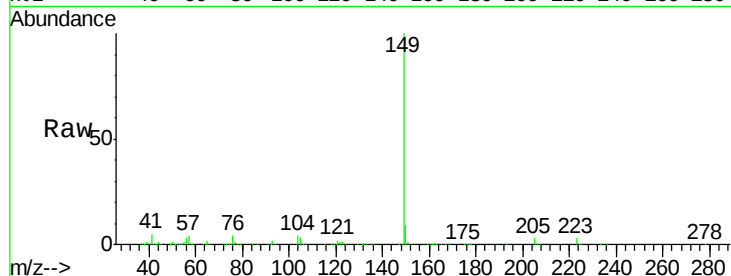
Tgt Ion:149 Resp: 1122773

Ion Ratio Lower Upper

149 100

150 9.2 8.6 12.8

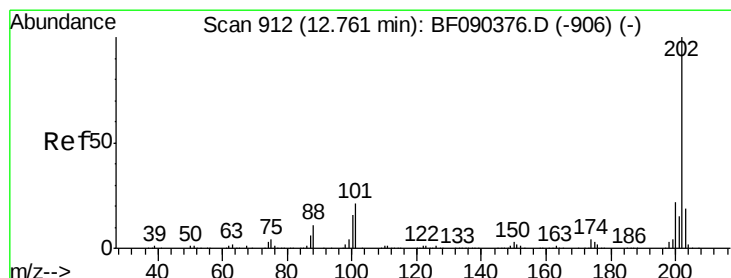
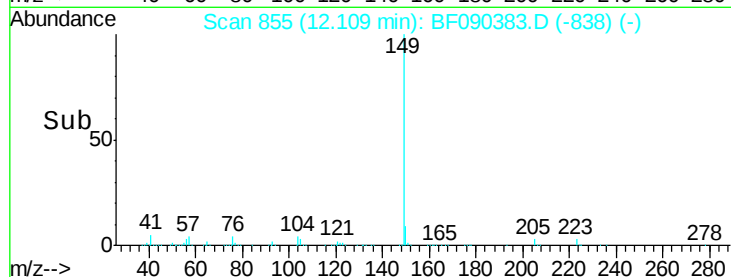
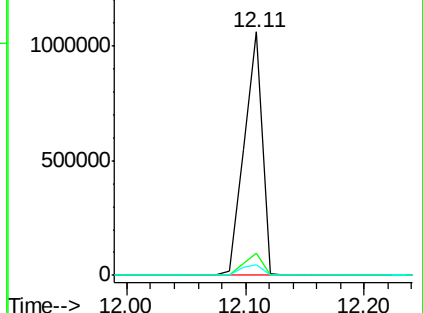
104 4.1 4.7 7.1#



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: 21.83 ng

RT: 12.76 min Scan# 912

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

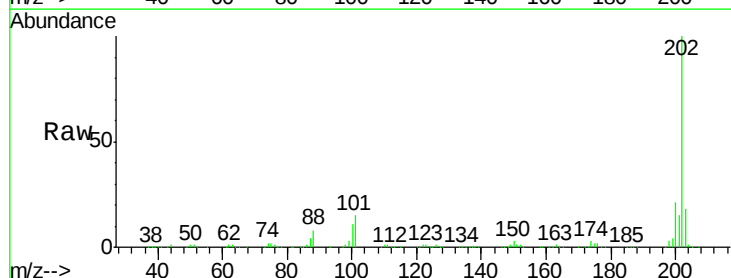
Tgt Ion:202 Resp: 918465

Ion Ratio Lower Upper

202 100

101 14.8 0.0 37.2

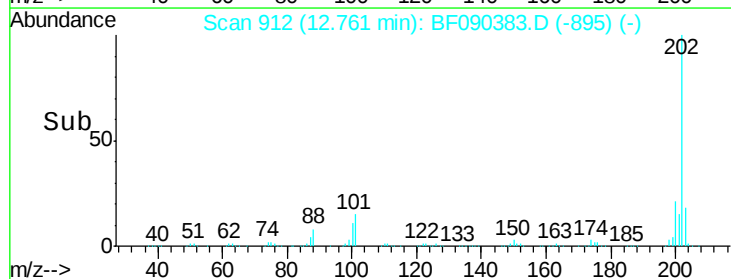
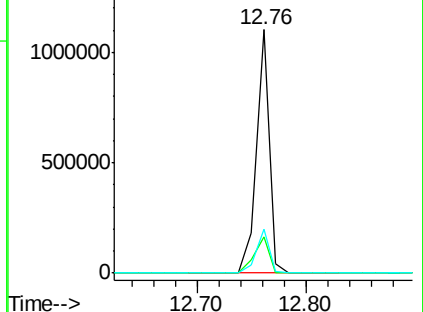
203 18.0 0.0 39.3

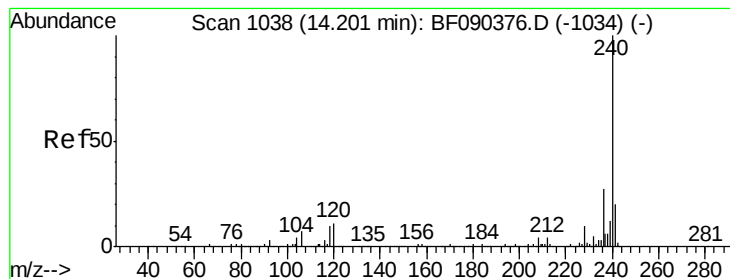


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

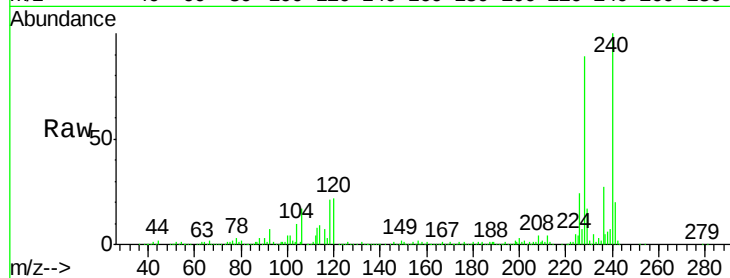
Tgt Ion:240 Resp: 681978

Ion Ratio Lower Upper

240 100

120 22.4 8.6 13.0#

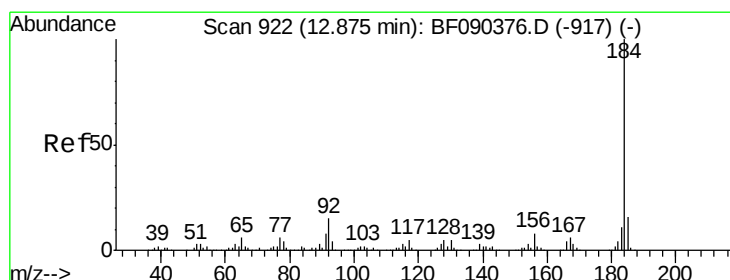
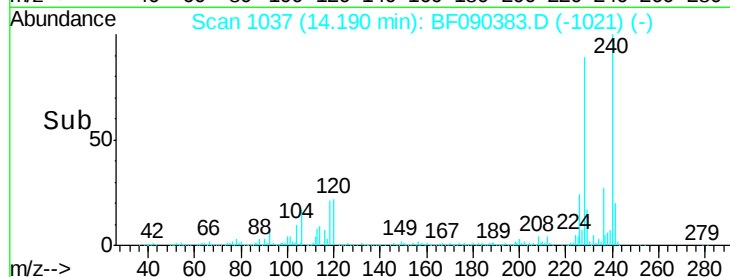
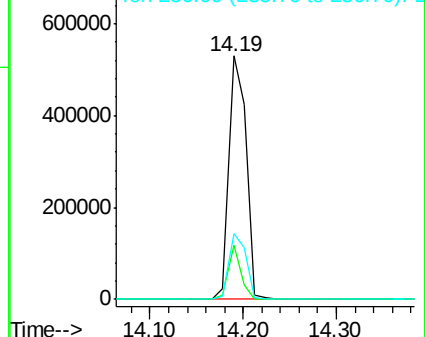
236 27.0 21.6 32.4



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: 19.72 ng

RT: 12.88 min Scan# 922

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

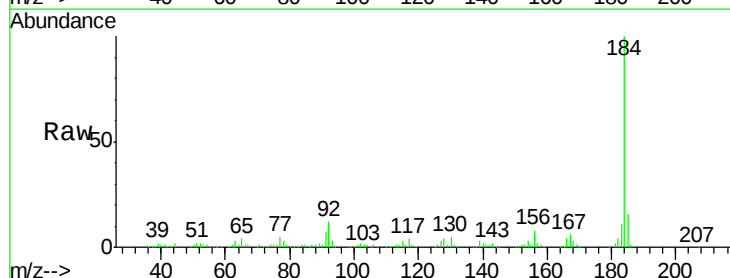
Tgt Ion:184 Resp: 353679

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.8

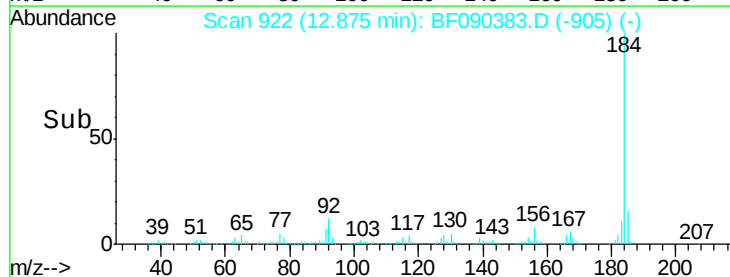
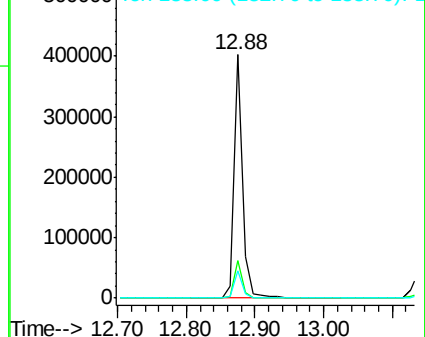
183 11.3 9.6 14.4

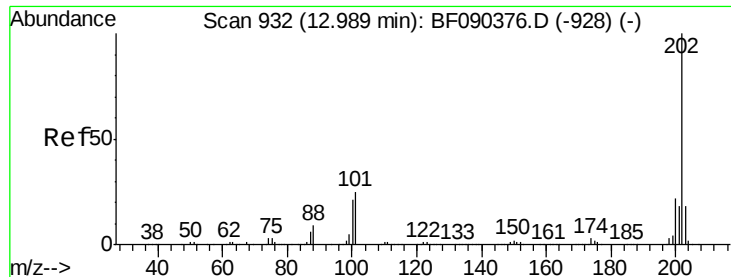


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

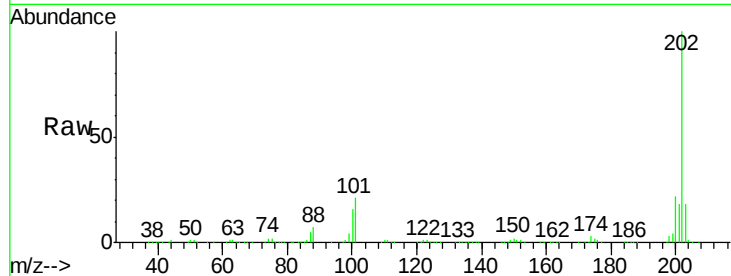




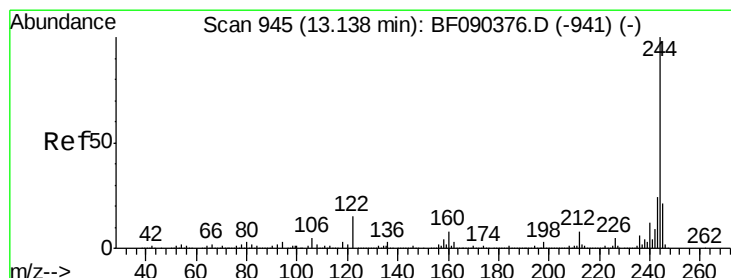
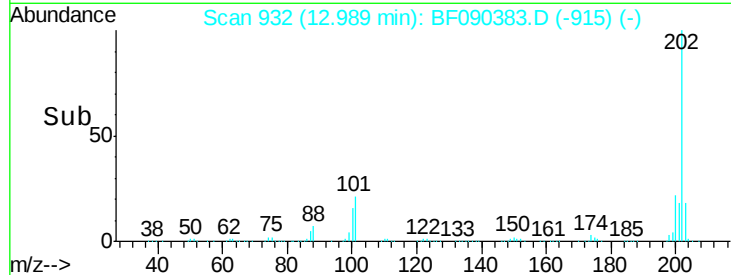
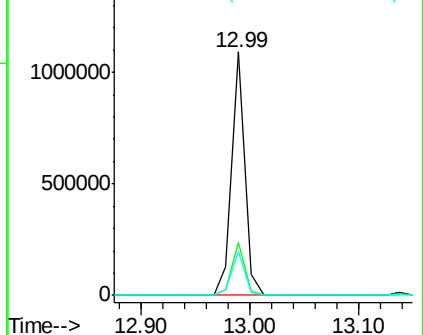
#77
 Pyrene
 Concen: 19.92 ng
 RT: 12.99 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion: 202 Resp: 906042
 Ion Ratio Lower Upper
 202 100
 200 21.8 18.5 27.7
 203 18.1 15.0 22.6

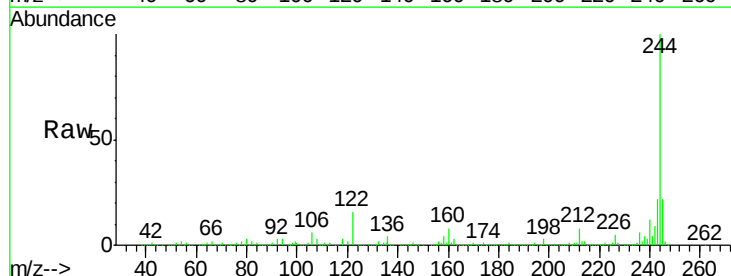


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

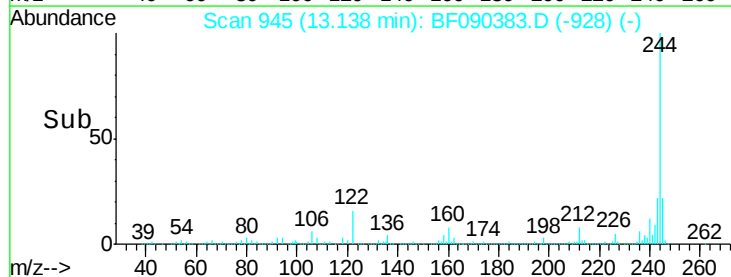
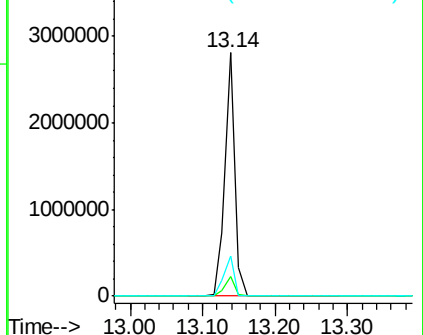


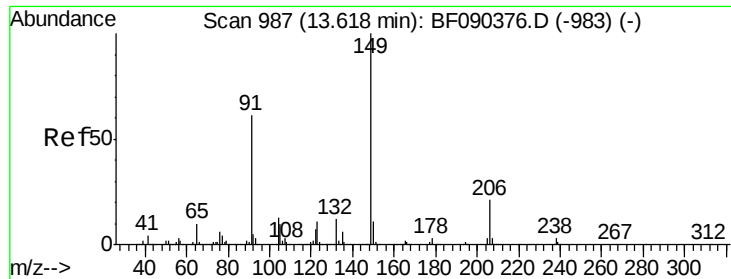
#78
 Terphenyl-d14
 Concen: 88.49 ng
 RT: 13.14 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion: 244 Resp: 2684407
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.8 10.2
 122 16.3 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

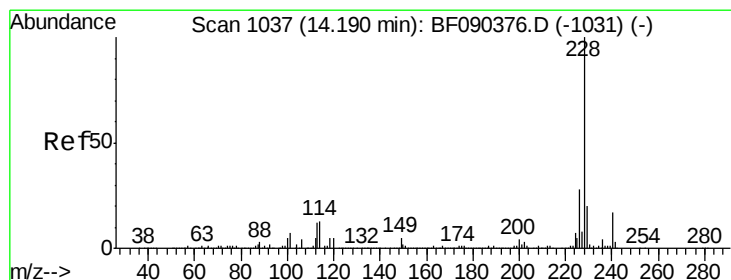
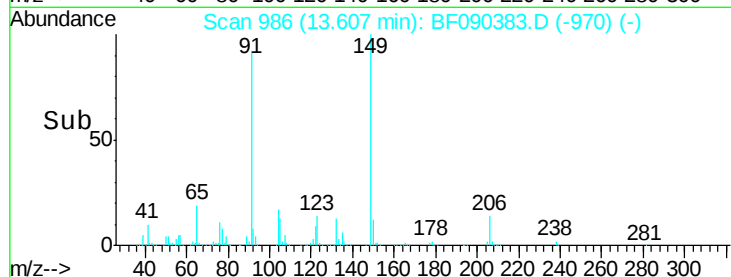
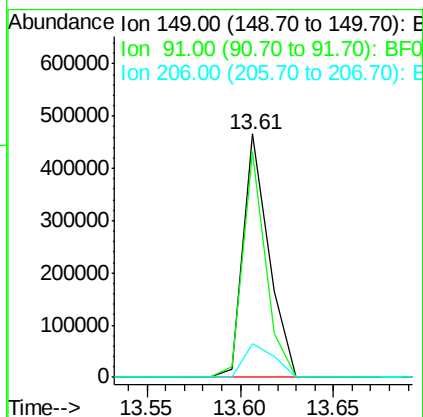
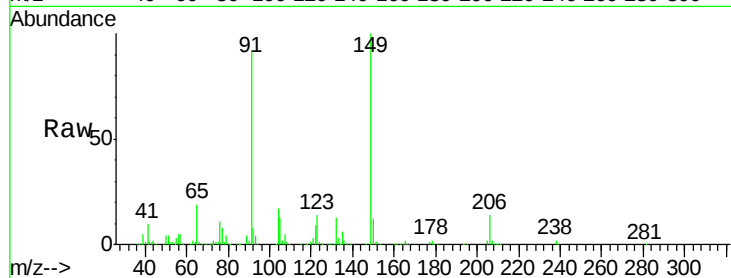




#79
Butylbenzylphthalate
Concen: 19.06 ng
RT: 13.61 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

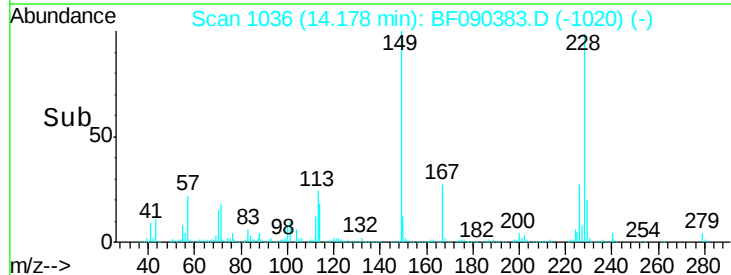
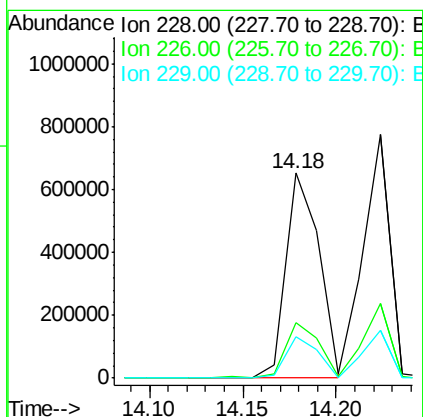
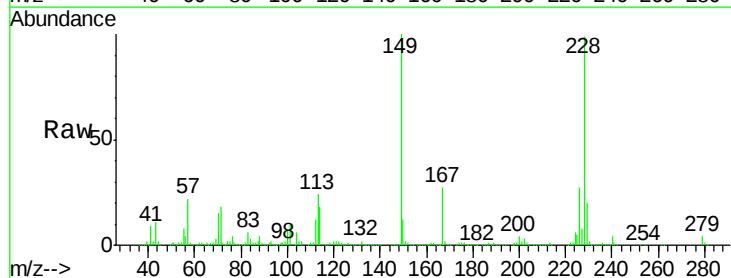
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016--02-QT4

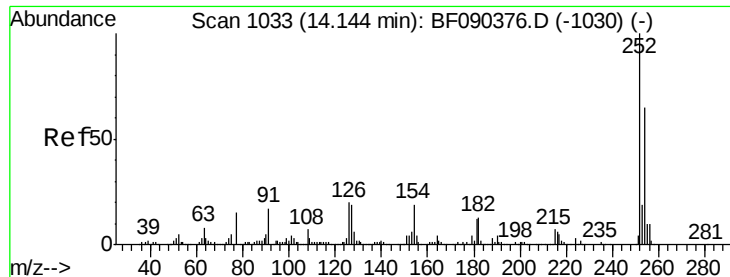
Tgt Ion:149 Resp: 444659
Ion Ratio Lower Upper
149 100
91 92.4 51.8 77.8#
206 13.7 18.0 27.0#



#80
Benzo(a)anthracene
Concen: 21.18 ng
RT: 14.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF090383.D
Acq: 5 Oct 2016 16:03

Tgt Ion:228 Resp: 810615
Ion Ratio Lower Upper
228 100
226 27.3 23.6 35.4
229 20.2 16.6 25.0

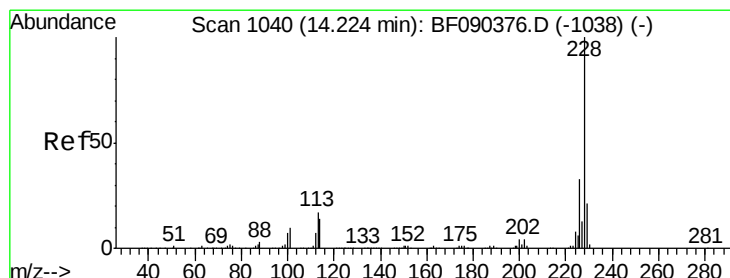
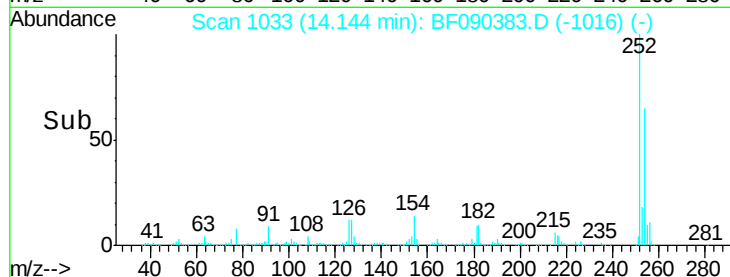
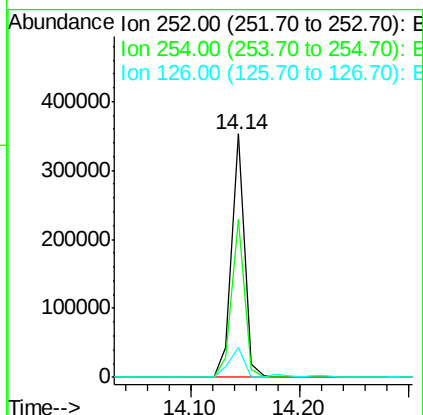
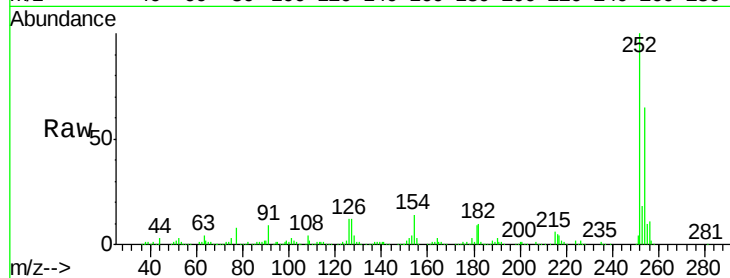




#81
 3,3'-Dichlorobenzidine
 Concen: 20.80 ng
 RT: 14.14 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

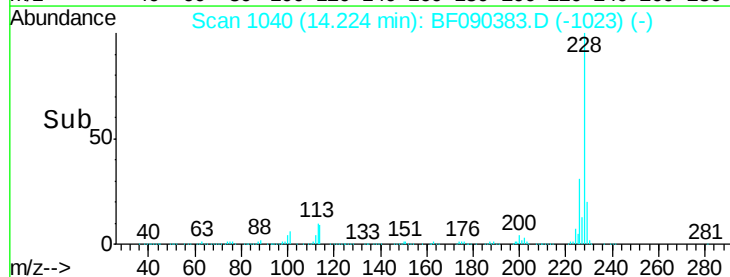
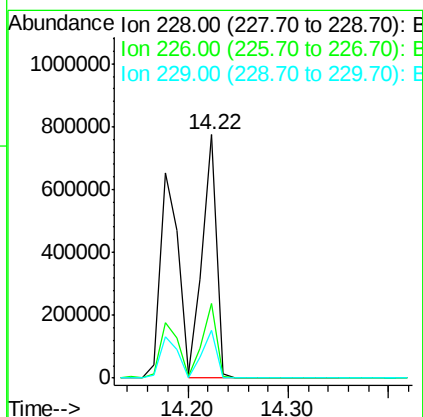
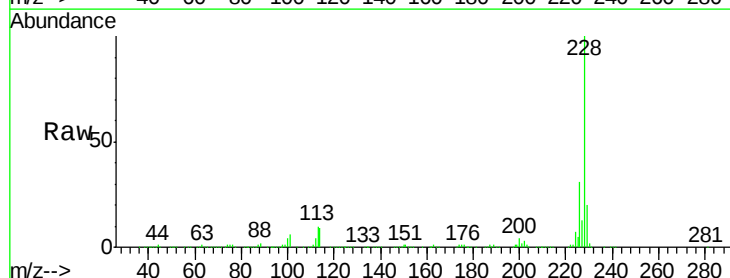
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

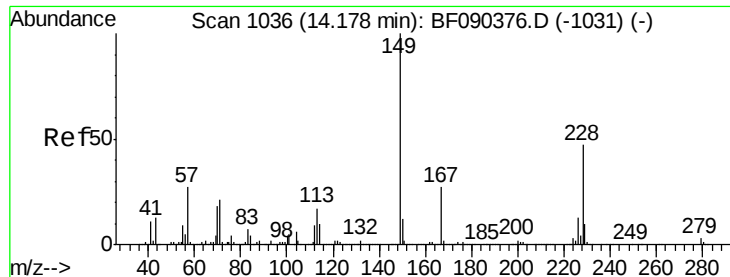
Tgt Ion:252 Resp: 288521
 Ion Ratio Lower Upper
 252 100
 254 64.8 52.1 78.1
 126 12.3 4.2 6.4#



#82
 Chrysene
 Concen: 21.66 ng
 RT: 14.22 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:228 Resp: 762684
 Ion Ratio Lower Upper
 228 100
 226 30.9 25.8 38.6
 229 19.8 16.9 25.3

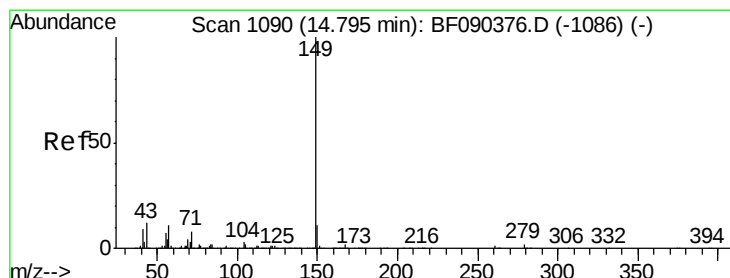
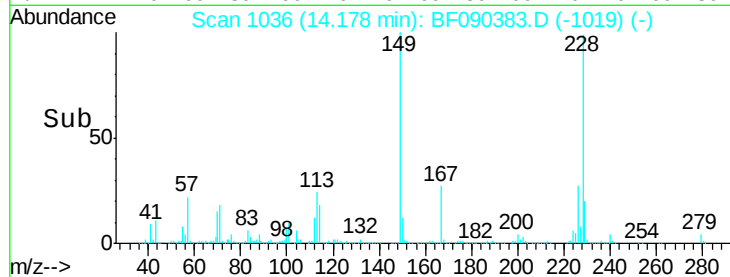
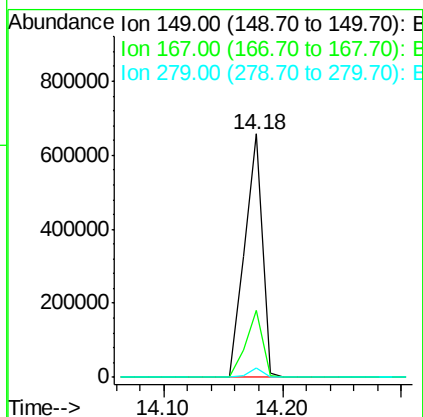
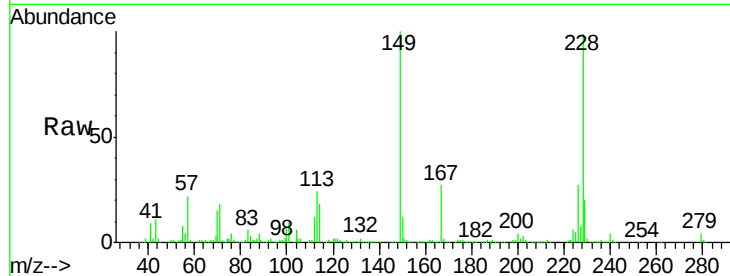




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 20.82 ng
 RT: 14.18 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

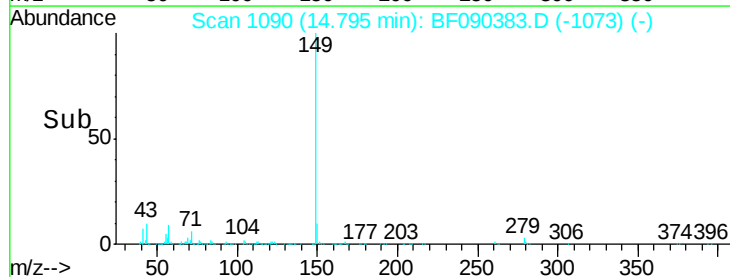
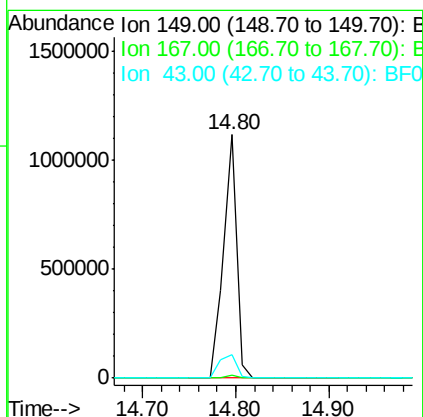
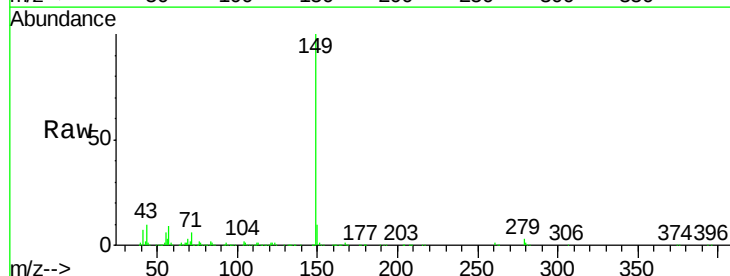
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

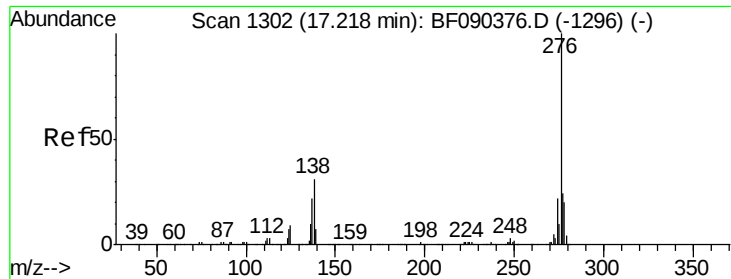
Tgt Ion:149 Resp: 690388
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.5 32.3
 279 3.7 2.6 3.8



#84
 Di-n-octyl phthalate
 Concen: 22.21 ng
 RT: 14.80 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Tgt Ion:149 Resp: 1092101
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.3 1.9
 43 12.7 11.8 17.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.45 ng

RT: 17.22 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

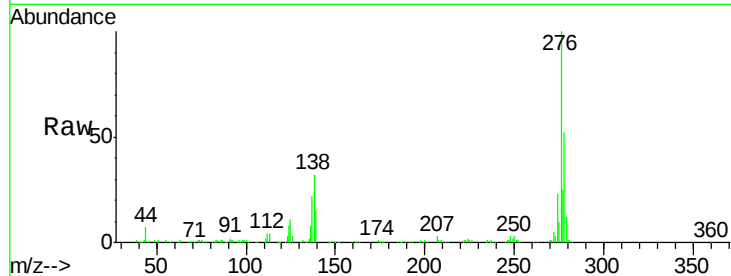
Tgt Ion:276 Resp: 488373

Ion Ratio Lower Upper

276 100

138 35.7 23.8 35.8

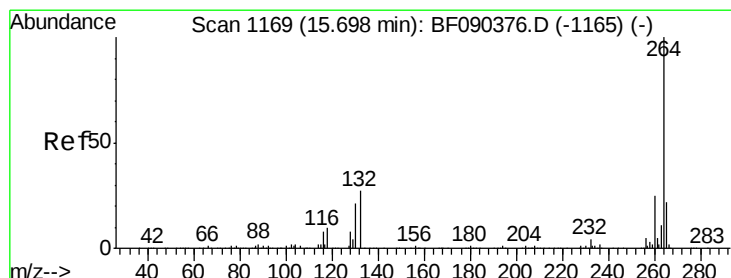
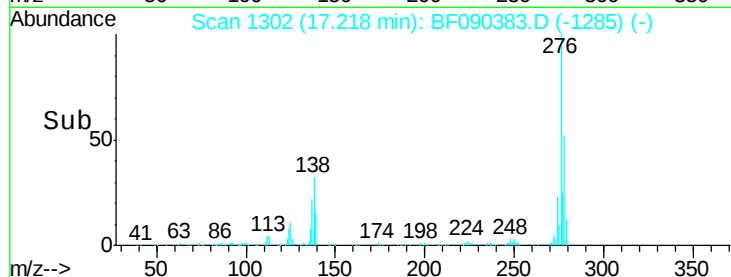
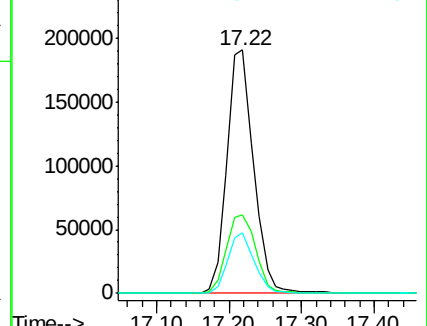
277 24.5 20.4 30.6



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: BF090383.D

Acq: 5 Oct 2016 16:03

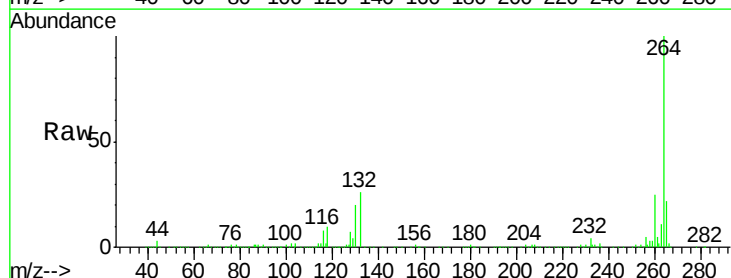
Tgt Ion:264 Resp: 496496

Ion Ratio Lower Upper

264 100

260 24.9 19.3 28.9

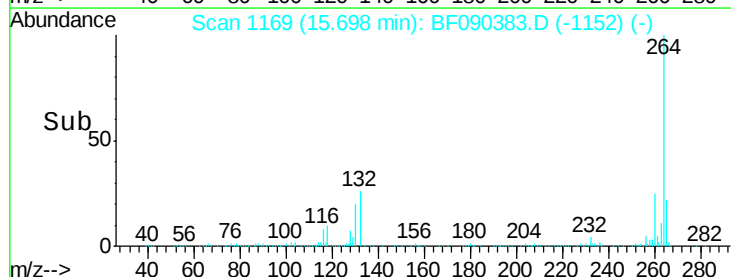
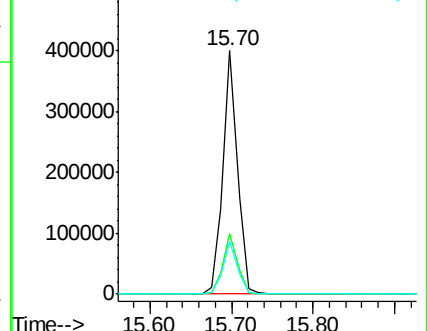
265 21.9 17.4 26.0

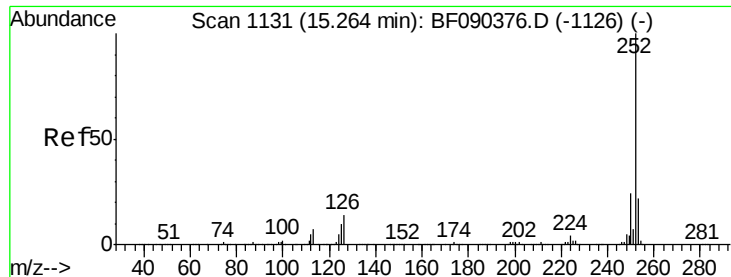


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 18.63 ng

RT: 15.25 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

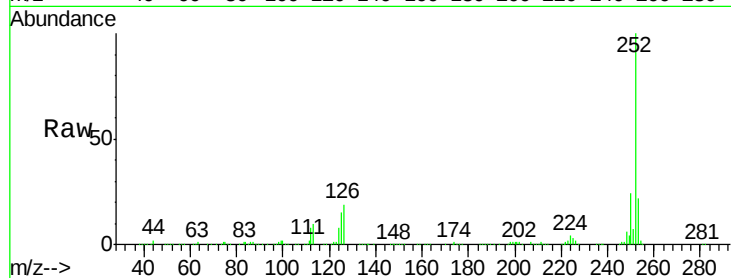
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

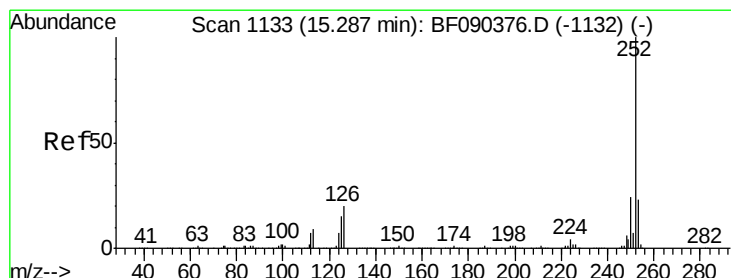
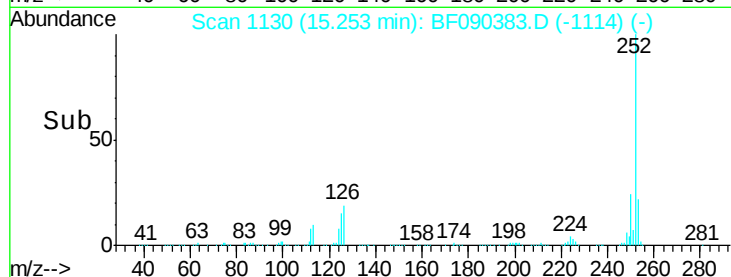
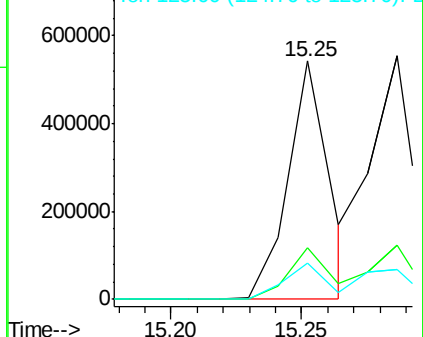
Tgt Ion:	252	Resp:	589194
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.2	27.2
125	15.0	7.0	10.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 19.83 ng

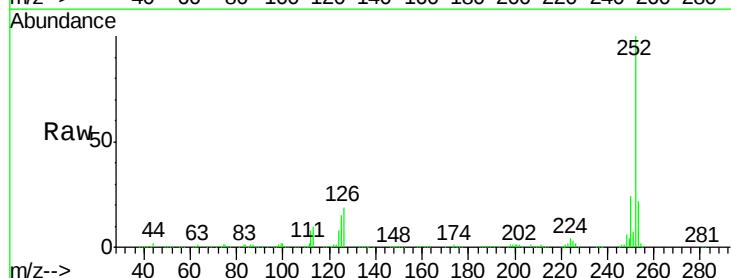
RT: 15.25 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

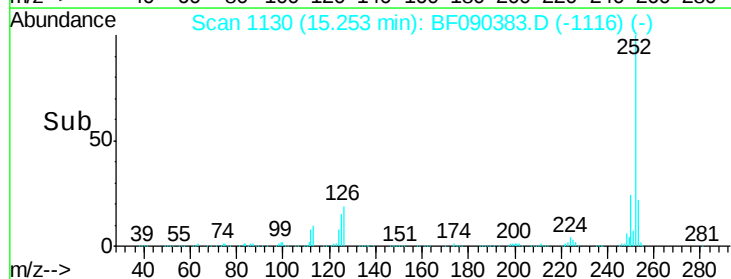
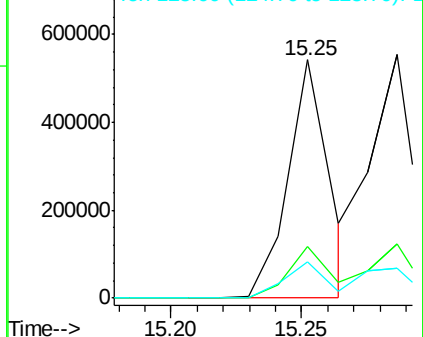
Tgt Ion:	252	Resp:	589194
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.6	27.8
125	15.0	11.7	17.5

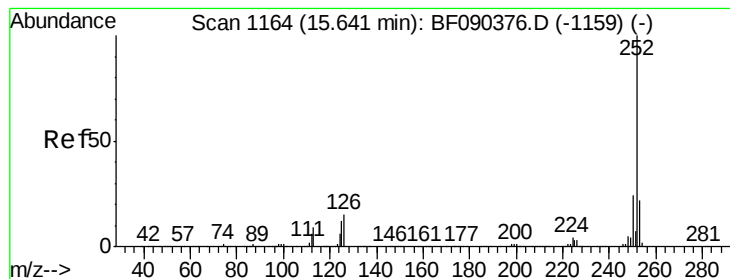


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 19.42 ng

RT: 15.63 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

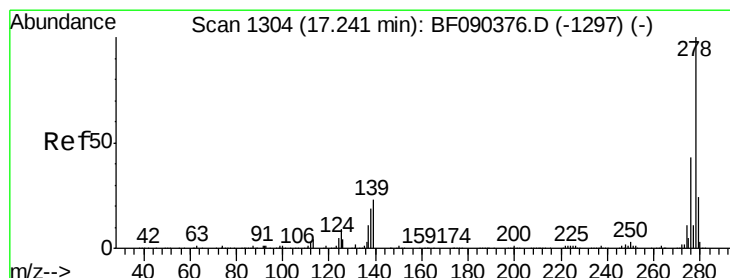
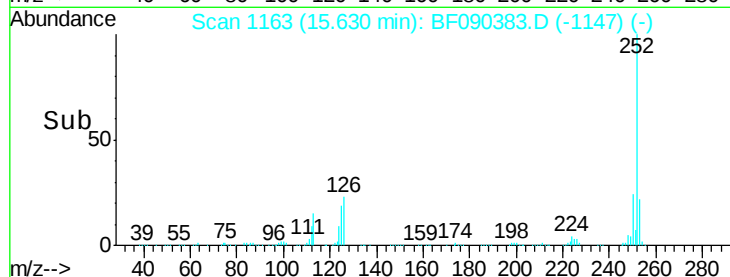
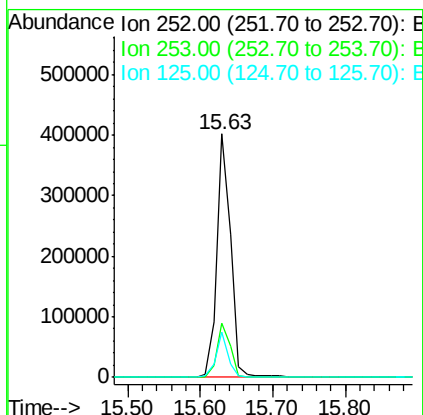
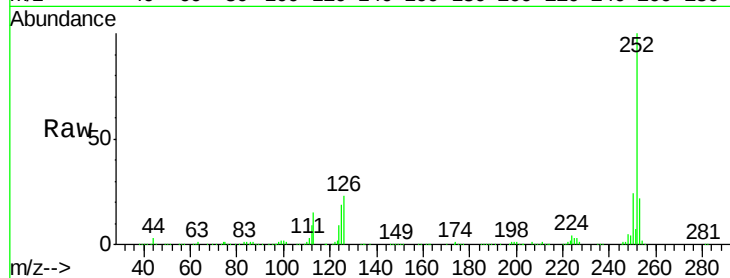
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016--02-QT4

Tgt Ion:	252	Resp:	529477
Ion Ratio		Lower	Upper
252	100		
253	22.1	18.2	27.4
125	18.8	9.8	14.8#



#90

Dibenzo(a,h)anthracene

Concen: 17.56 ng

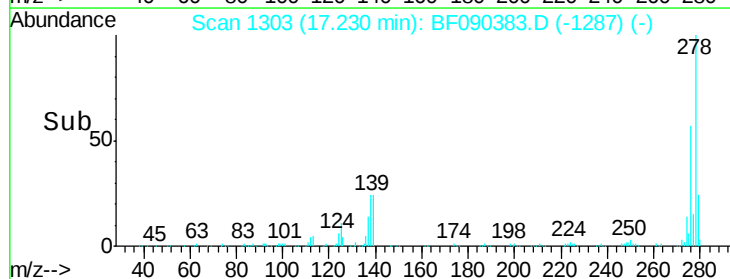
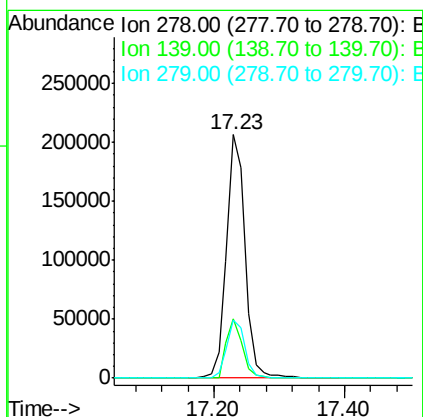
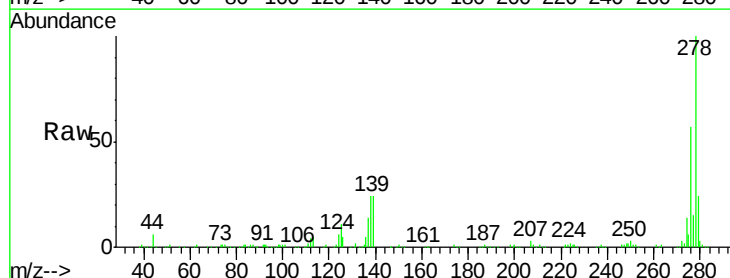
RT: 17.23 min Scan# 1303

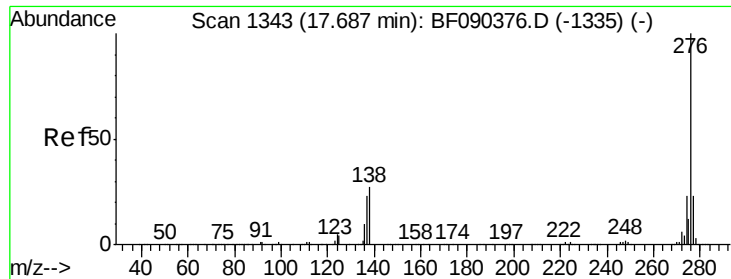
Delta R.T. -0.01 min

Lab File: BF090383.D

Acq: 5 Oct 2016 16:03

Tgt Ion:	278	Resp:	407338
Ion Ratio		Lower	Upper
278	100		
139	24.2	12.8	19.2#
279	23.9	19.6	29.4





#91
 Benzo(g,h,i)perylene
 Concen: 17.12 ng
 RT: 17.66 min Scan# 1341
 Delta R.T. -0.02 min
 Lab File: BF090383.D
 Acq: 5 Oct 2016 16:03

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016--02-QT4

Tgt Ion: 276 Resp: 380974
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.4 29.0
 138 33.6 20.8 31.2#

