

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093840.D
 Acq On : 22 Mar 2017 18:56
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 1 PPB
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Quant Time: Mar 23 01:18:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 17:41:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	190700	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	780000	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	346469	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	616783	20.00	ng	0.00
75) Chrysene-d12	14.71	240	524018	20.00	ng	0.00
86) Perylene-d12	16.34	264	416014	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.50	112	1347755	119.37	ng	0.00
7) Phenol-d6	5.57	99	1663457	119.09	ng	0.00
23) Nitrobenzene-d5	6.63	82	1173149	85.83	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	353415	129.08	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	2032103	89.46	ng	0.00
78) Terphenyl-d14	13.44	244	1691683	72.36	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.38	88	7139	1.32	ng	# 79
3) Pyridine	2.95	79	15049	1.02	ng	# 76
4) n-Nitrosodimethylamine	2.82	42	5677	0.93	ng	# 66
6) Aniline	5.60	93	22230	1.14	ng	98
8) 2-Chlorophenol	5.74	128	15118	1.22	ng	95
9) Benzaldehyde	5.48	77	10936	1.16	ng	97
10) Phenol	5.58	94	17447	1.10	ng	89
11) bis(2-Chloroethyl)ether	5.69	93	14549	1.17	ng	97
12) 1,3-Dichlorobenzene	5.92	146	16339	1.17	ng	92
13) 1,4-Dichlorobenzene	6.00	146	16982	1.20	ng	97
14) 1,2-Dichlorobenzene	6.00	146	16982	1.31	ng	96
15) Benzyl Alcohol	6.17	79	28496	2.79	ng	# 32
16) 2,2'-oxybis(1-Chloropropan	6.30	45	21733	1.14	ng	93
17) 2-Methylphenol	6.27	107	11792	1.11	ng	# 92
18) Hexachloroethane	6.58	117	5473	1.10	ng	# 84
19) n-Nitroso-di-n-propylamine	6.46	70	9358	1.04	ng	# 93
20) 3+4-Methylphenols	6.45	107	14981	1.16	ng	93
22) Acetophenone	6.45	105	20043	1.15	ng	97
24) Nitrobenzene	6.65	77	19007	1.41	ng	92
25) Isophorone	6.93	82	26303	1.10	ng	99
26) 2-Nitrophenol	7.03	139	5609	0.87	ng	# 88
27) 2,4-Dimethylphenol	7.08	122	11632	1.05	ng	98
28) bis(2-Chloroethoxy)methane	7.20	93	17457	1.10	ng	# 96
29) 2,4-Dichlorophenol	7.31	162	10440	1.01	ng	93
30) 1,2,4-Trichlorobenzene	7.42	180	12611	1.18	ng	96
31) Naphthalene	7.52	128	45356	1.21	ng	98
32) Benzoic acid	7.08	122	11632	1.58	ng	# 12
33) 4-Chloroaniline	7.57	127	16212	1.07	ng	95
34) Hexachlorobutadiene	7.67	225	6161	1.13	ng	97
35) Caprolactam	7.95	113	3226	0.98	ng	99
36) 4-Chloro-3-methylphenol	8.16	107	10667	0.99	ng	94
37) 2-Methylnaphthalene	8.36	142	29484	1.18	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.56	216	12553	1.32	ng	96
40) Hexachlorocyclopentadiene	8.56	237	3532	0.80	ng	90

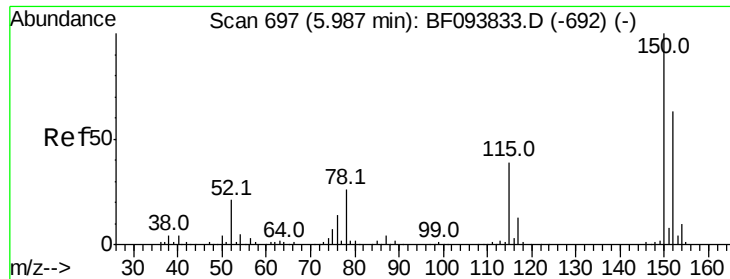
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.70	196	6532	0.97	nq	96
43) 2,4,5-Trichlorophenol	8.74	196	6703	0.92	nq	93
45) 1,1'-Biphenyl	8.93	154	40155	1.44	nq	98
46) 2-Chloronaphthalene	8.95	162	27103	1.24	nq	# 91
47) 2-Nitroaniline	9.06	65	5934	0.91	nq	92
48) Acenaphthylene	9.46	152	42978	1.18	nq	98
49) Dimethylphthalate	9.30	163	29453	1.20	nq	98
50) 2,6-Dinitrotoluene	9.37	165	5372	0.95	nq	# 86
51) Acenaphthene	9.67	154	26323	1.24	nq	97
52) 3-Nitroaniline	9.57	138	6784	1.02	nq	94
53) 2,4-Dinitrophenol	9.70	184	259	4.74	nq	# 4
54) Dibenzofuran	9.88	168	36869	1.28	nq	99
55) 4-Nitrophenol	9.77	139	3487	0.67	nq	# 80
56) 2,4-Dinitrotoluene	9.86	165	5999	0.85	nq	# 77
57) Fluorene	10.30	166	30654	1.28	nq	96
58) 2,3,4,6-Tetrachlorophenol	10.03	232	4653	0.93	nq	# 97
59) Diethylphthalate	10.18	149	28427	1.17	nq	98
60) 4-Chlorophenyl-phenylether	10.31	204	13886	1.36	nq	88
61) 4-Nitroaniline	10.31	138	5542	0.87	nq	84
62) Azobenzene	10.51	77	25450	1.11	nq	98
64) 4,6-Dinitro-2-methylphenol	10.36	198	1389	0.37	nq	# 76
65) n-Nitrosodiphenylamine	10.46	169	24630	1.15	nq	98
66) 4-Bromophenyl-phenylether	10.91	248	6897	1.14	nq	95
67) Hexachlorobenzene	10.98	284	7611	1.24	nq	# 72
68) Atrazine	11.12	200	6673	1.04	nq	92
69) Pentachlorophenol	11.22	266	2228	0.58	nq	# 83
70) Phenanthrene	11.48	178	42503	1.24	nq	98
71) Anthracene	11.55	178	43082	1.22	nq	97
72) Carbazole	11.74	167	40733	1.12	nq	99
73) Di-n-butylphthalate	12.20	149	37327	0.99	nq	99
74) Fluoranthene	12.94	202	38739	1.10	nq	97
76) Benzidine	13.11	184	13938	0.67	nq	# 96
77) Pyrene	13.22	202	42359	1.11	nq	98
79) Butylbenzylphthalate	14.04	149	12084	0.75	nq	# 78
80) Benzo(a)anthracene	14.69	228	34086	1.12	nq	97
81) 3,3'-Dichlorobenzidine	14.66	252	7868	0.72	nq	92
82) Chrysene	14.73	228	33587	1.18	nq	95
83) Bis(2-ethylhexyl)phthalate	14.76	149	20475	0.93	nq	# 98
84) Di-n-octyl phthalate	15.51	149	26150	0.71	nq	# 95
85) Indeno(1,2,3-cd)pyrene	17.73	276	21934	0.89	nq	94
87) Benzo(b)fluoranthene	15.92	252	27439	1.08	nq	97
88) Benzo(k)fluoranthene	15.95	252	27331	1.09	nq	# 95
89) Benzo(a)pyrene	16.28	252	24954	1.06	nq	98
90) Dibenzo(a,h)anthracene	17.75	278	19286	0.97	nq	95
91) Benzo(g,h,i)perylene	18.13	276	19061	0.95	nq	# 90

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

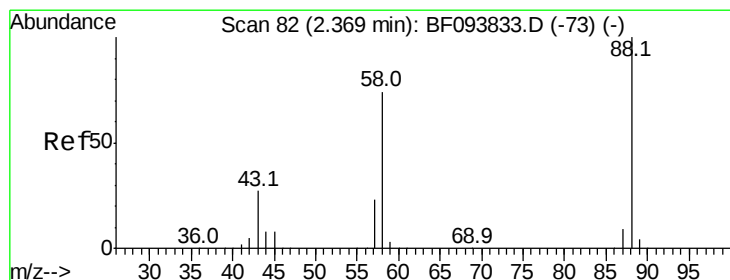
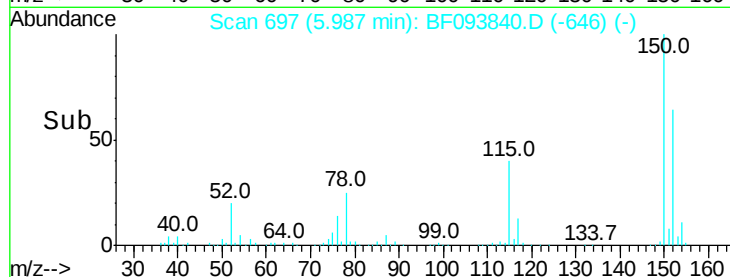
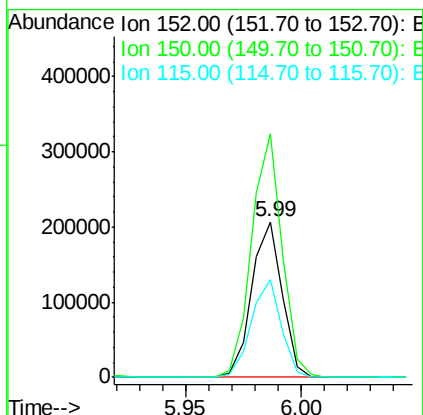
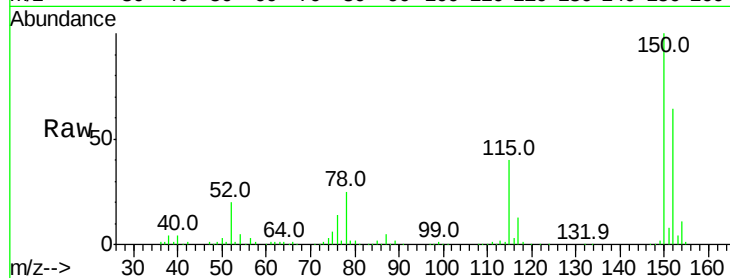


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. 0.00 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

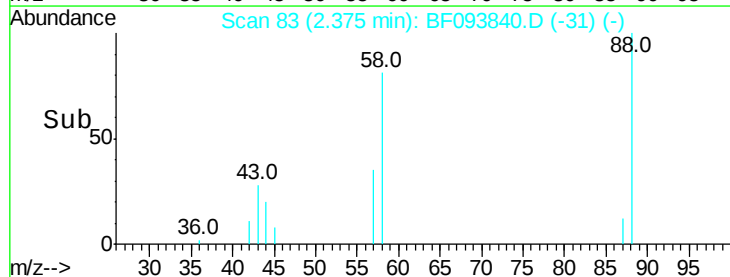
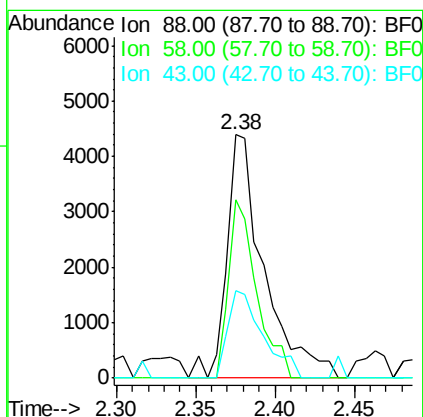
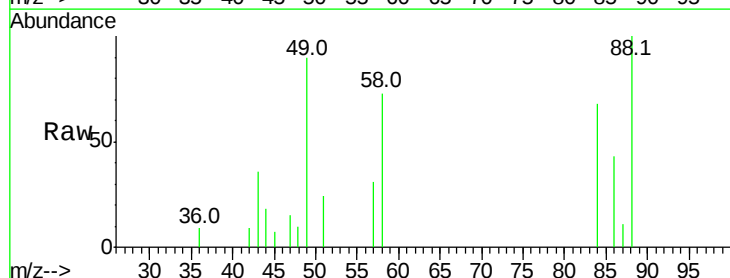
Tot Ion:152 Resp: 190700
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 62.7 52.2 78.2

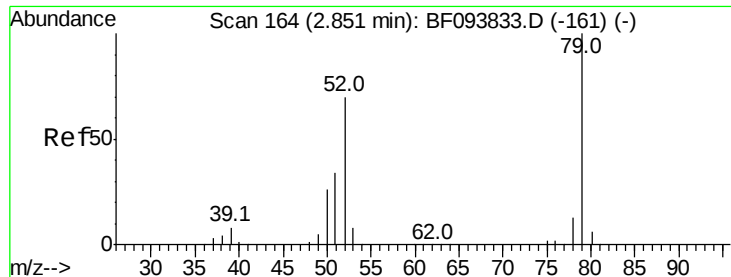


#2

1,4-Dioxane
Concen: 1.32 ng
RT: 2.38 min Scan# 83
Delta R.T. 0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion: 88 Resp: 7139
Ion Ratio Lower Upper
88 100
58 55.1 61.4 92.0#
43 33.9 23.4 35.0





#3

Pvridine

Concen: 1.02 ng

RT: 2.95 min Scan# 180

Delta R.T. 0.09 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

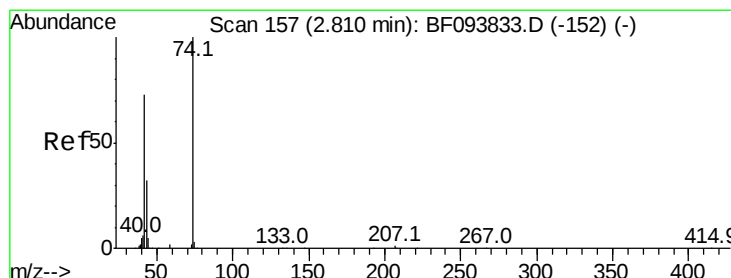
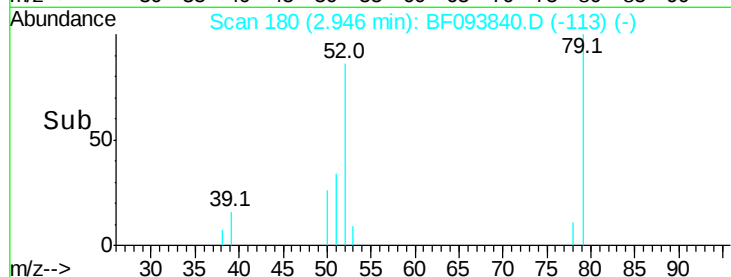
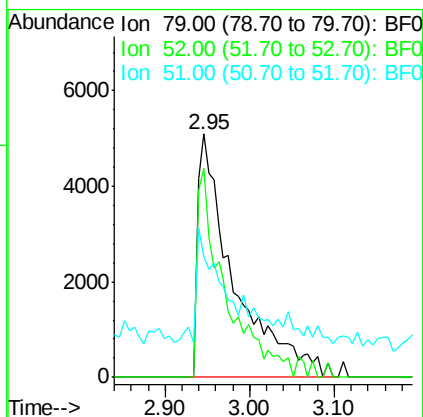
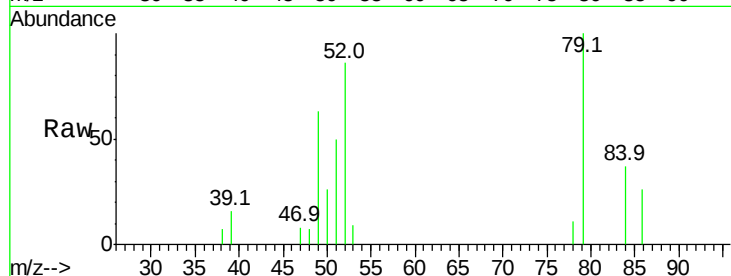
Tot Ion: 79 Resp: 15049

Ion Ratio Lower Upper

79 100

52 85.8 54.8 82.2#

51 49.6 27.0 40.4#



#4

n-Nitrosodimethylamine

Concen: 0.93 ng

RT: 2.82 min Scan# 158

Delta R.T. 0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

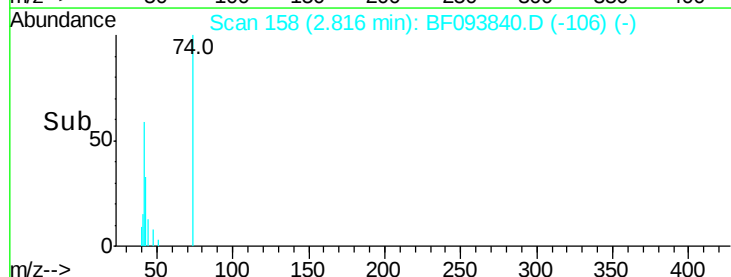
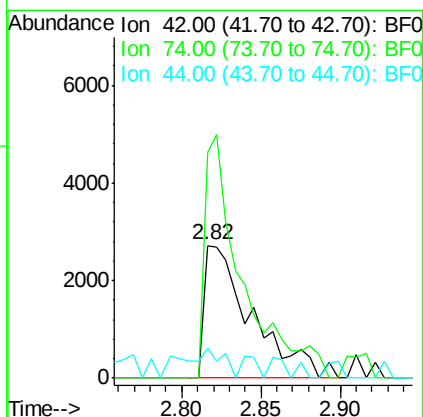
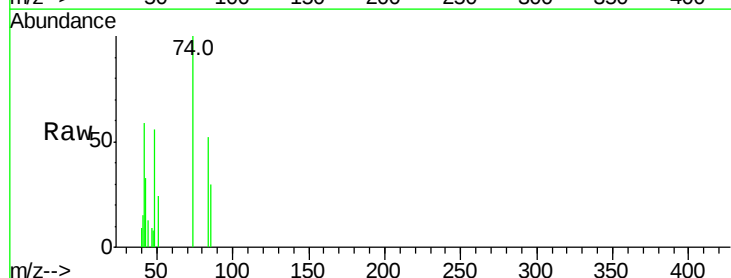
Tgt Ion: 42 Resp: 5677

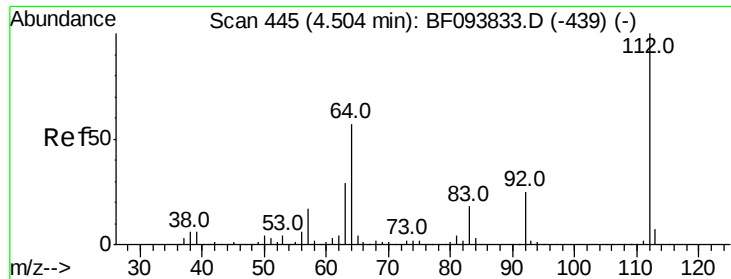
Ion Ratio Lower Upper

42 100

74 169.4 103.9 155.9#

44 22.1 5.7 8.5#





#5

2-Fluorophenol

Concen: 119.37 ng

RT: 4.50 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

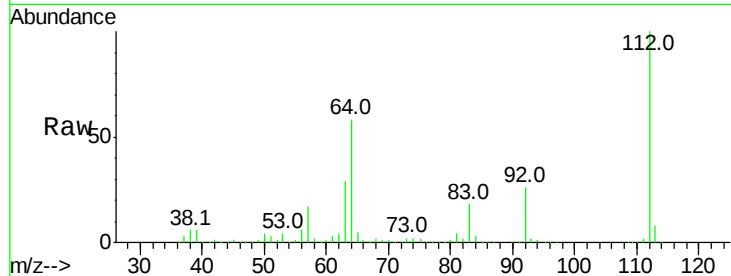
Tot Ion:112 Resp: 1347755

Ion Ratio Lower Upper

112 100

64 57.8 46.0 69.0

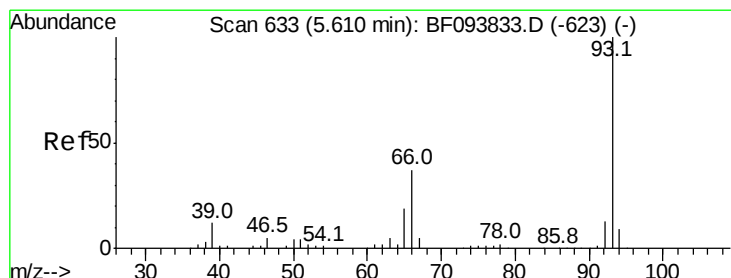
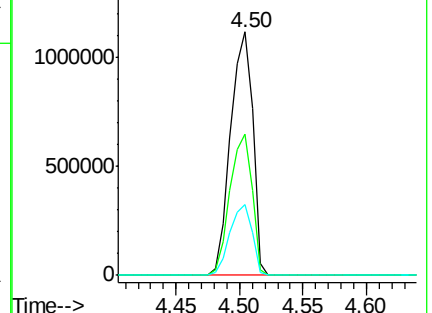
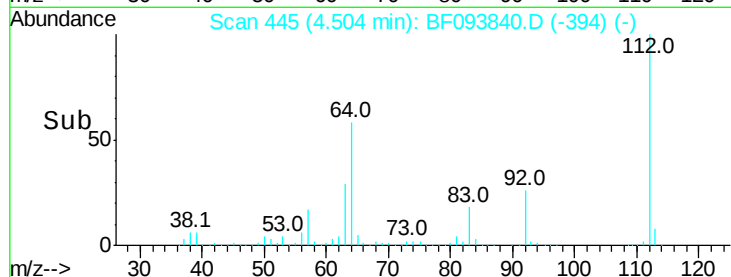
63 29.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 1.14 ng

RT: 5.60 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

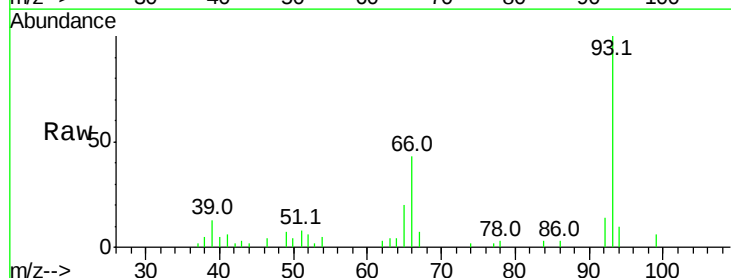
Tgt Ion: 93 Resp: 22230

Ion Ratio Lower Upper

93 100

66 42.8 32.9 49.3

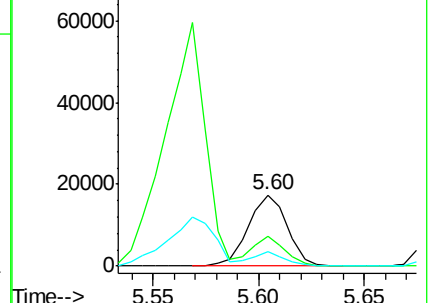
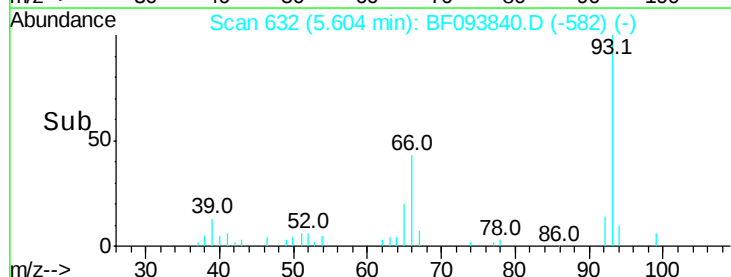
65 19.8 16.0 24.0

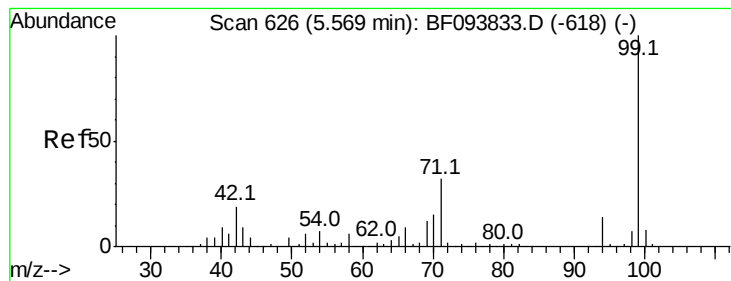


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 119.09 ng

RT: 5.57 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

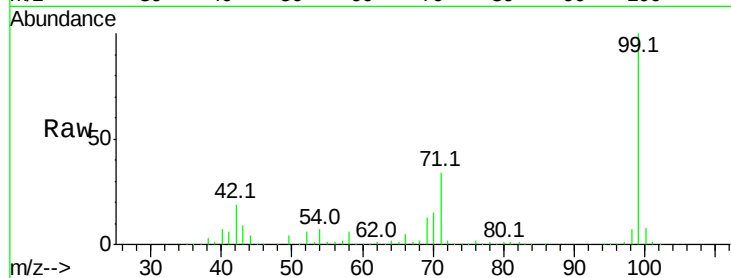
BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 99 Resp: 1663457

Ion	Ratio	Lower	Upper
99	100		
42	18.8	13.5	20.3
71	33.7	24.5	36.7

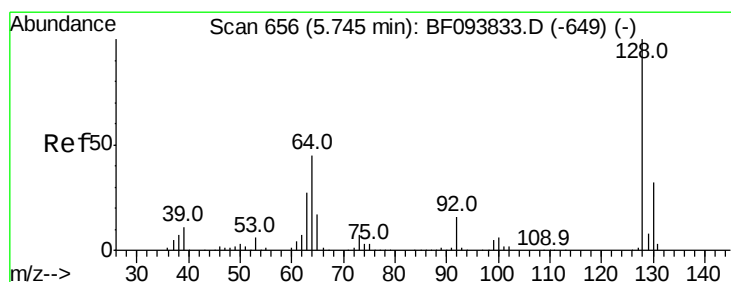
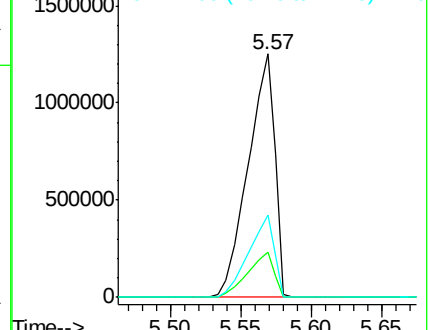
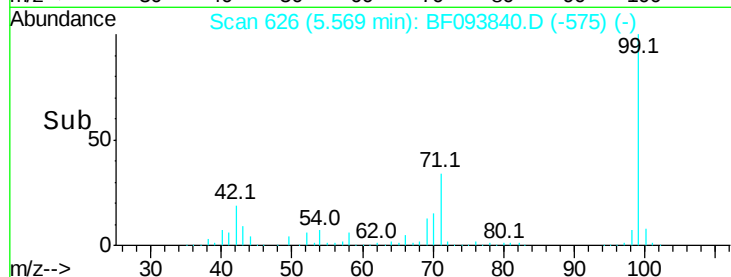


Abundance

Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 1.22 ng

RT: 5.74 min Scan# 655

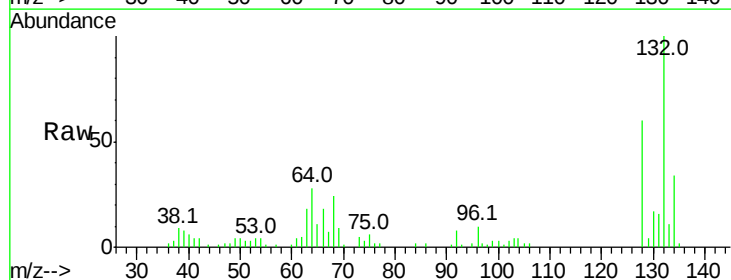
Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Tgt Ion:128 Resp: 15118

Ion	Ratio	Lower	Upper
128	100		
130	28.0	12.9	52.9
64	46.5	28.4	68.4

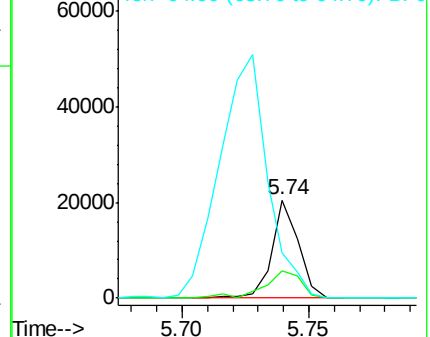
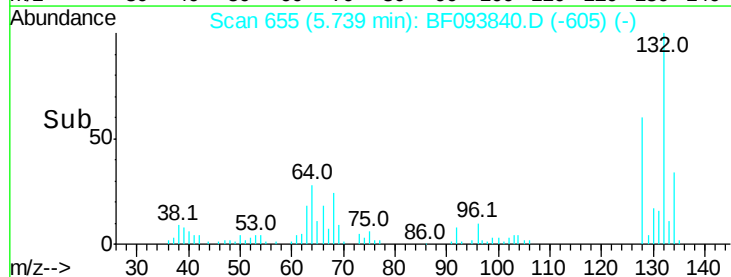


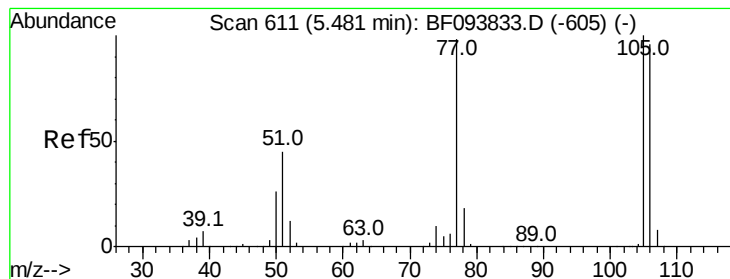
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 1.16 ng

RT: 5.48 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

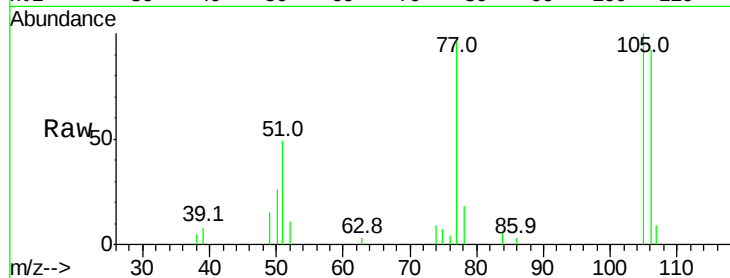
Tot Ion: 77 Resp: 10936

Ion Ratio Lower Upper

77 100

105 102.1 83.8 123.8

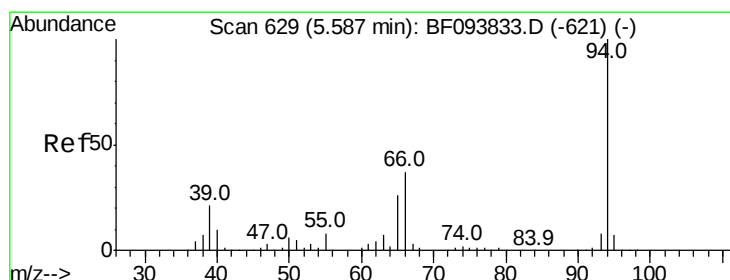
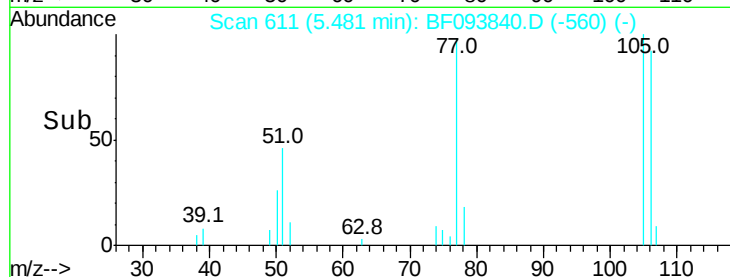
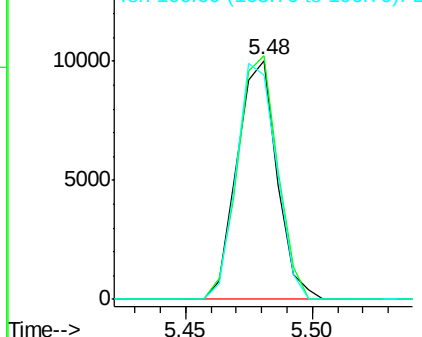
106 94.3 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 1.10 ng

RT: 5.58 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

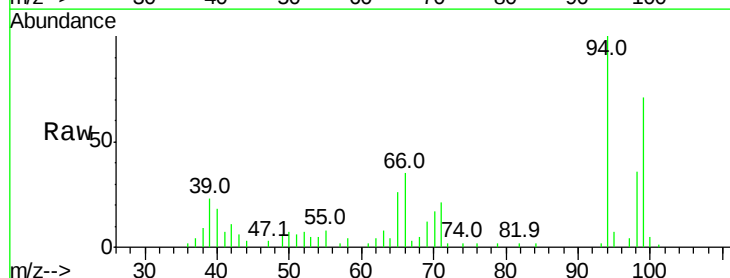
Tgt Ion: 94 Resp: 17447

Ion Ratio Lower Upper

94 100

65 26.1 9.9 49.9

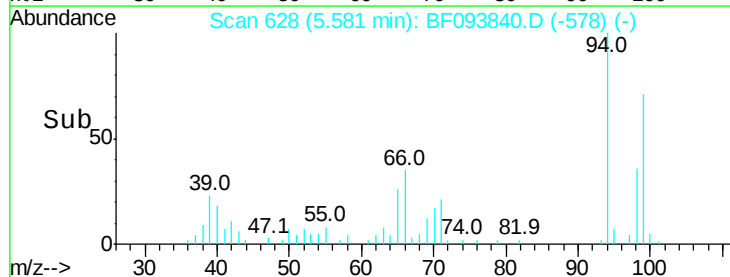
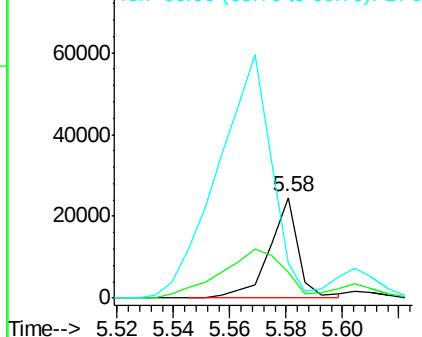
66 34.8 23.1 63.1

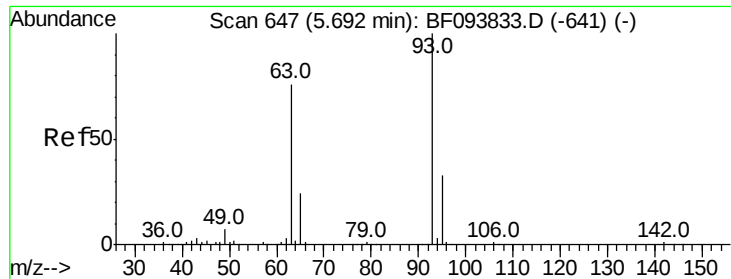


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

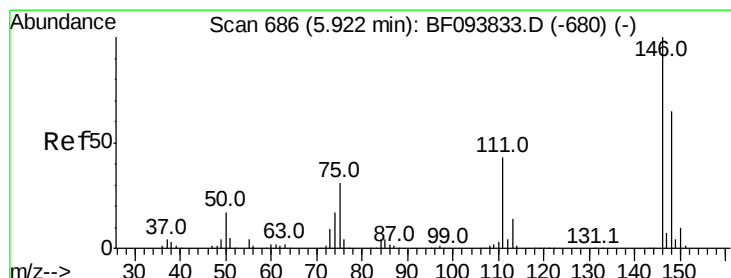
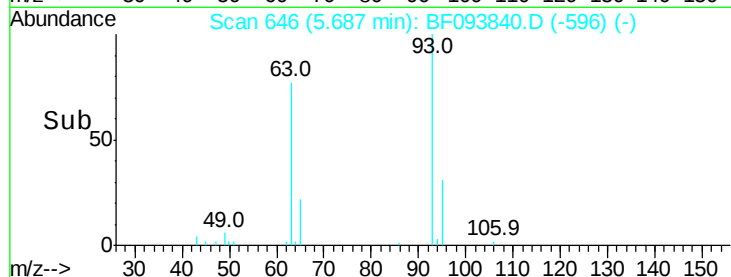
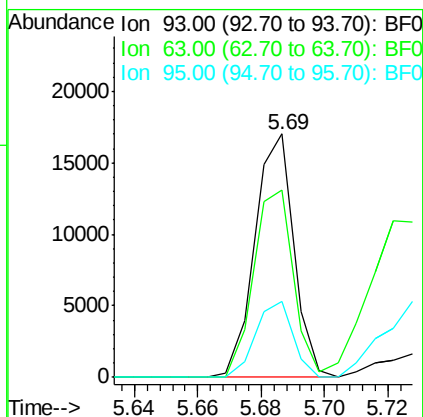
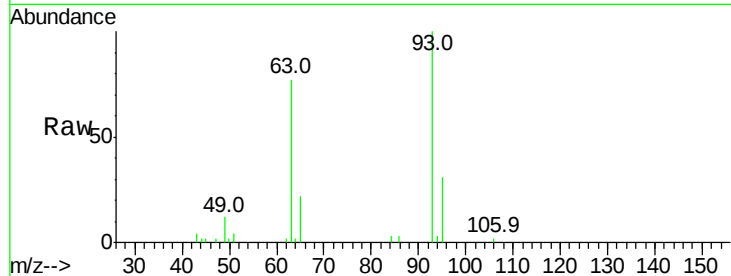




#11
bis(2-Chloroethyl)ether
Concen: 1.17 ng
RT: 5.69 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

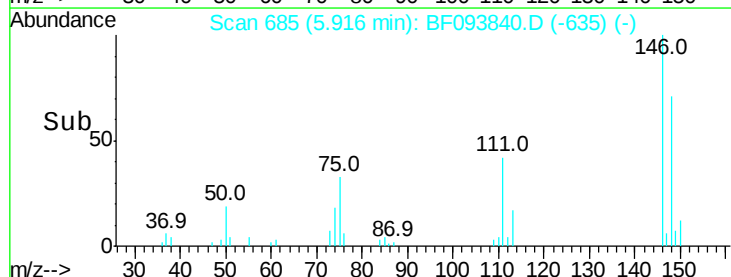
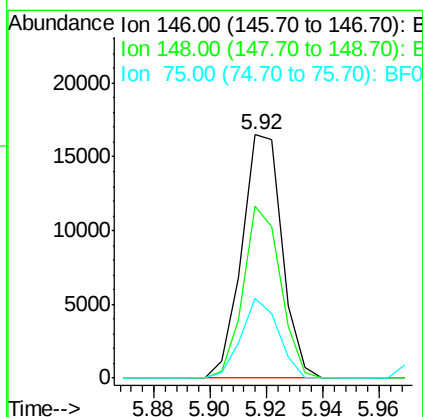
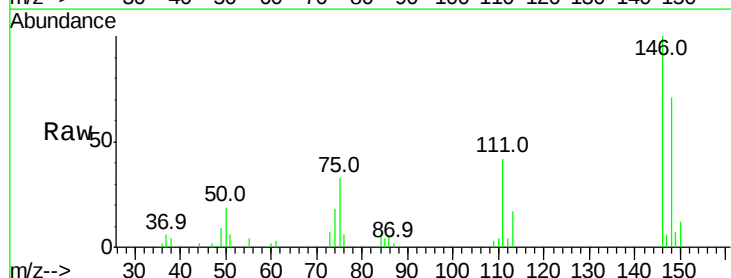
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

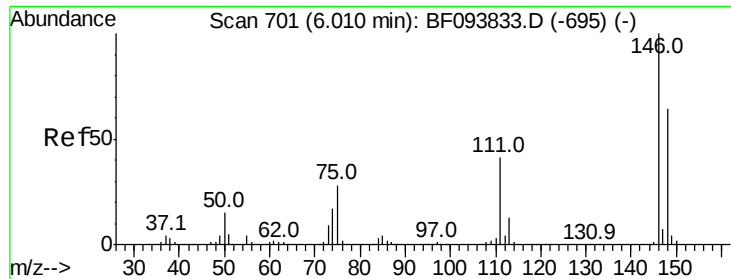
Tot Ion: 93 Resp: 14549
Ion Ratio Lower Upper
93 100
63 76.8 59.2 99.2
95 31.3 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 1.17 ng
RT: 5.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion: 146 Resp: 16339
Ion Ratio Lower Upper
146 100
148 70.8 51.8 77.6
75 33.0 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 1.20 ng

RT: 6.00 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

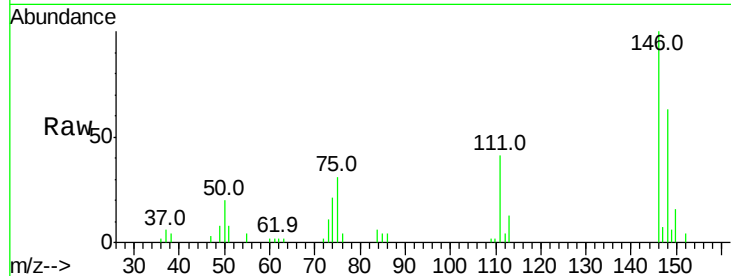
Tot Ion:146 Resp: 16982

Ion Ratio Lower Upper

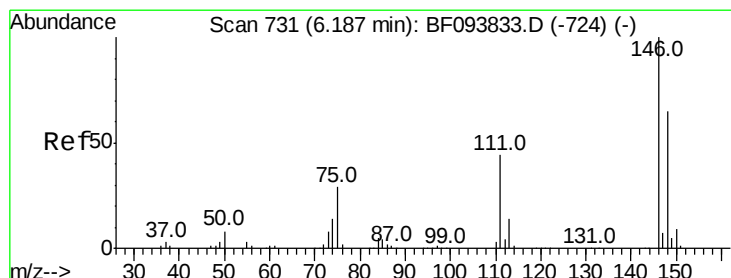
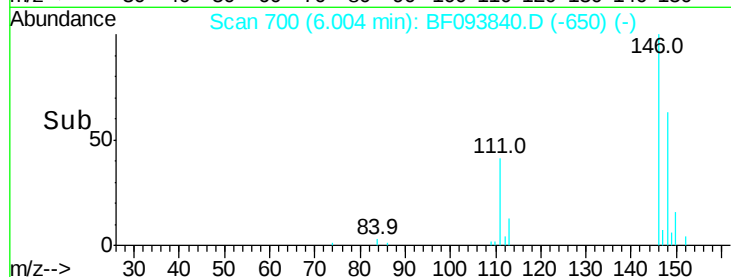
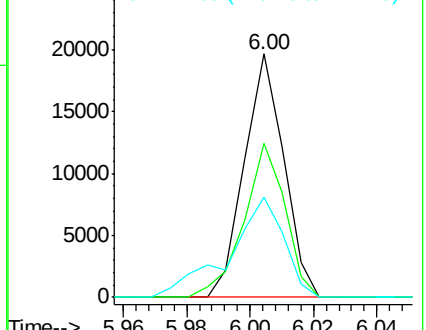
146 100

148 63.3 52.2 78.2

111 41.2 30.3 45.5



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: 1.31 ng

RT: 6.00 min Scan# 700

Delta R.T. -0.18 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

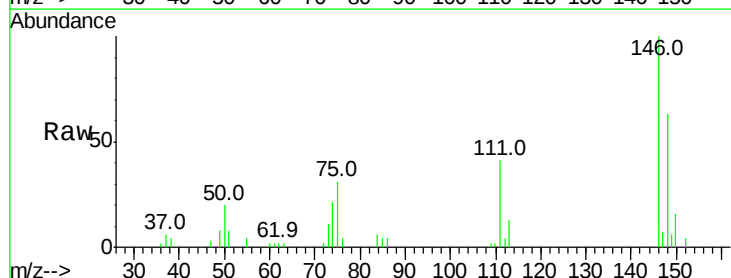
Tgt Ion:146 Resp: 16982

Ion Ratio Lower Upper

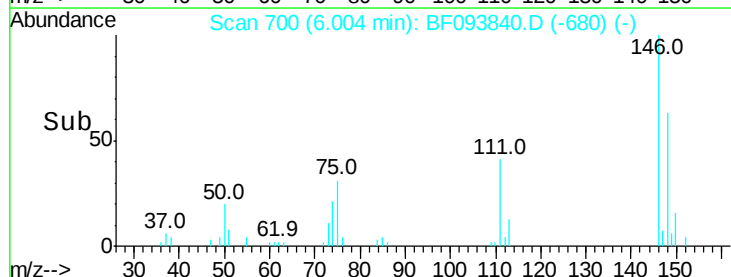
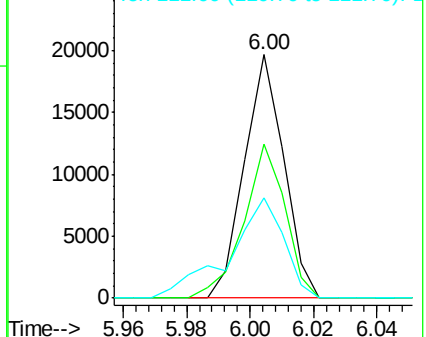
146 100

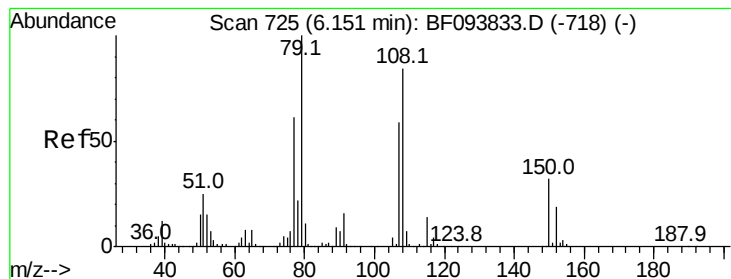
148 63.3 50.4 75.6

111 41.2 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: 2.79 ng

RT: 6.17 min Scan# 728

Delta R.T. 0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

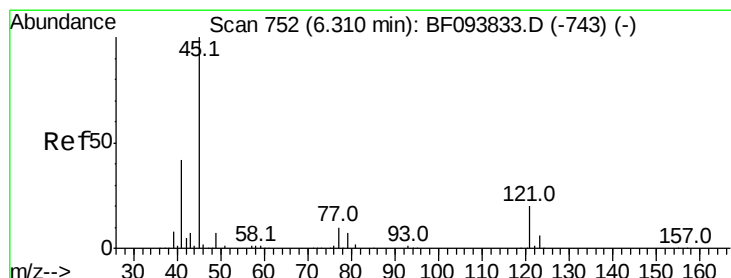
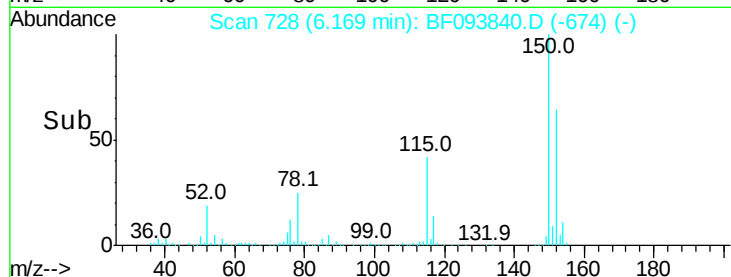
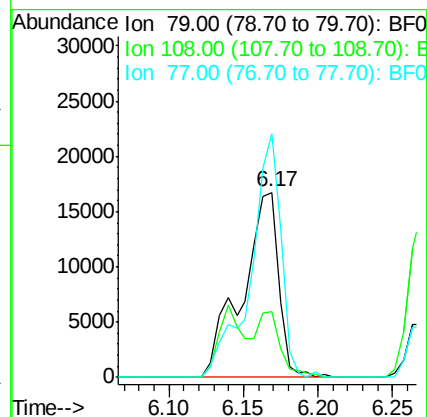
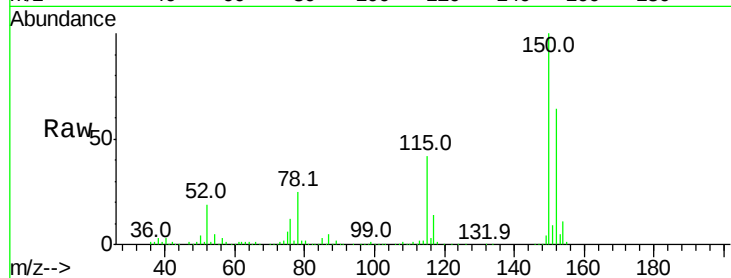
Tot Ion: 79 Resp: 28496

Ion Ratio Lower Upper

79 100

108 35.5 63.4 95.0#

77 131.5 49.2 73.8#



#16

2,2'-oxybis(1-chloropropane)

Concen: 1.14 ng

RT: 6.30 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

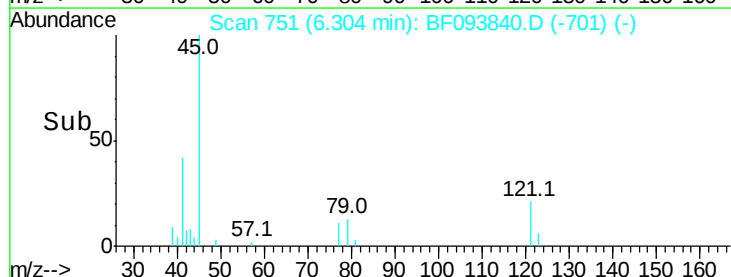
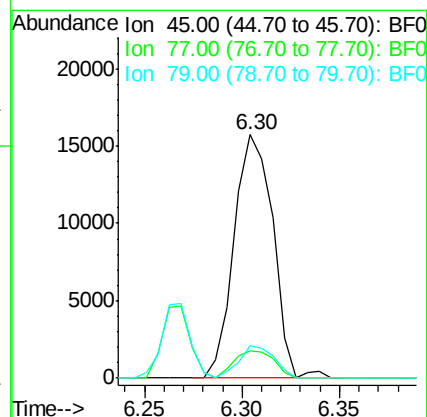
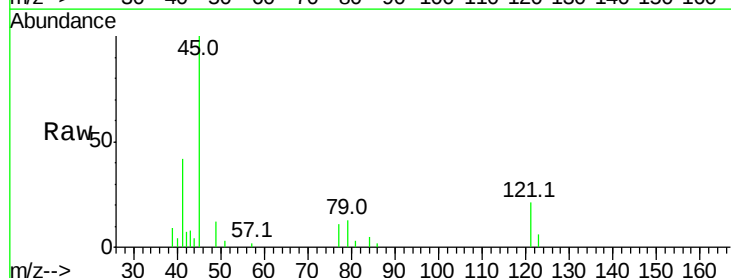
Tgt Ion: 45 Resp: 21733

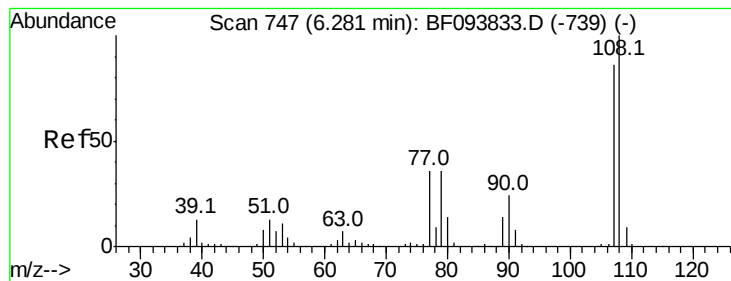
Ion Ratio Lower Upper

45 100

77 11.0 0.0 33.2

79 13.3 0.0 30.0





#17

2-Methylphenol

Concen: 1.11 ng

RT: 6.27 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:107 Resp: 11792

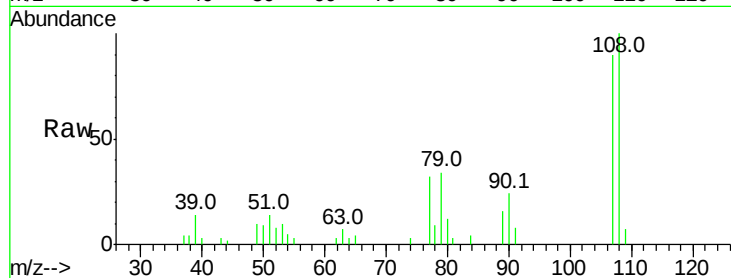
Ion Ratio Lower Upper

107 100

108 111.2 93.4 140.0

77 35.8 35.8 53.6#

79 37.4 34.8 52.2

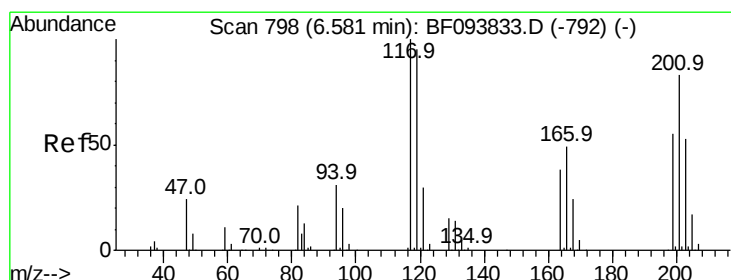
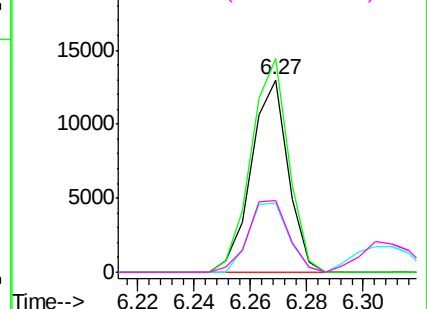
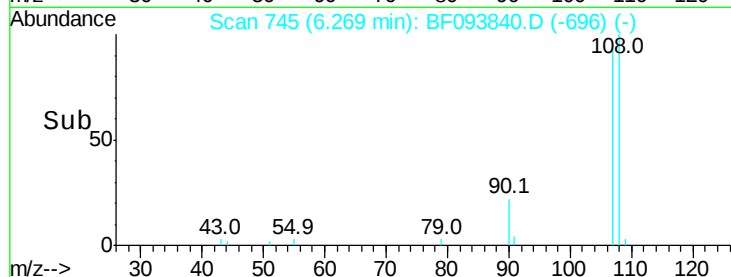


Abundance Ion 107.00 (106.70 to 107.70): E

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: 1.10 ng

RT: 6.58 min Scan# 798

Delta R.T. 0.00 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

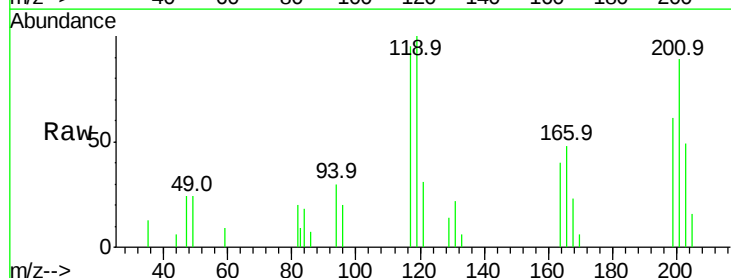
Tgt Ion:117 Resp: 5473

Ion Ratio Lower Upper

117 100

119 104.9 77.4 116.0

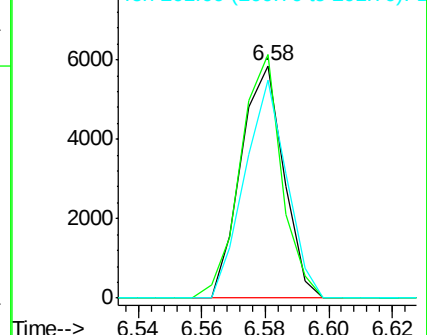
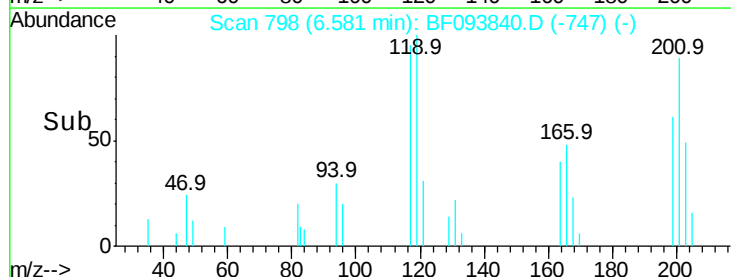
201 93.7 94.6 141.8#

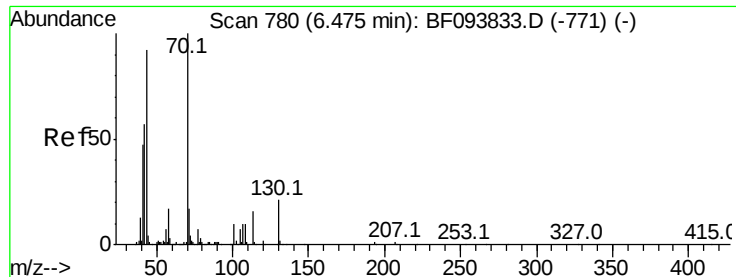


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

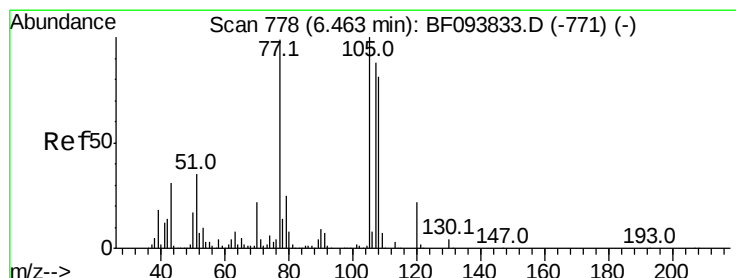
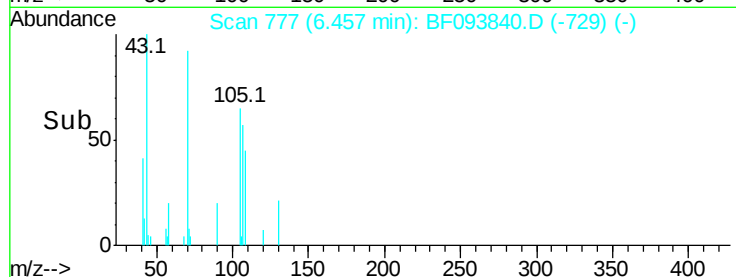
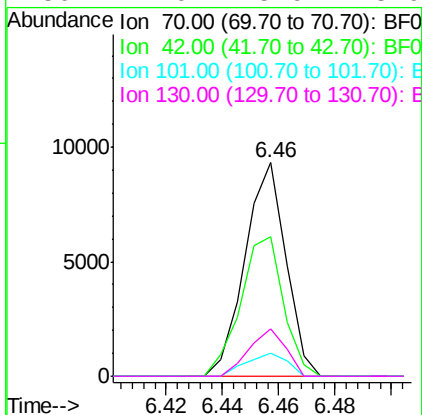
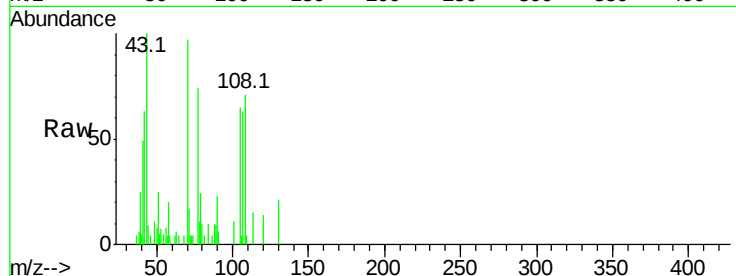




#19
n-Nitroso-di-n-propylamine
Concen: 1.04 ng
RT: 6.46 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

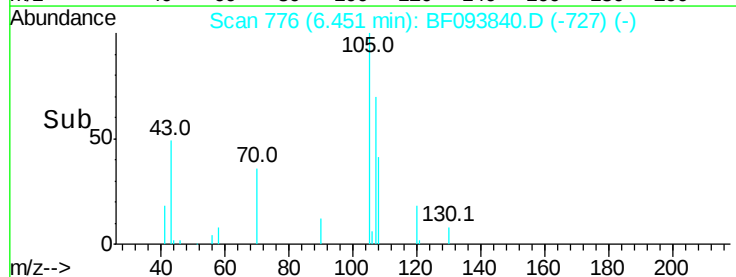
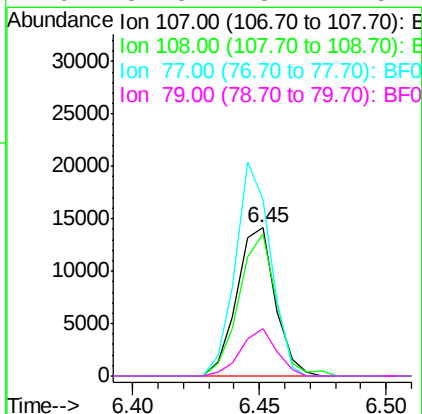
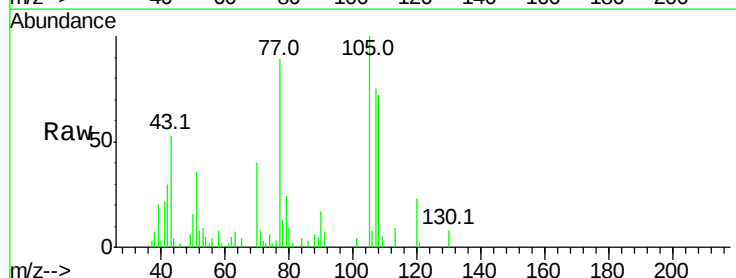
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

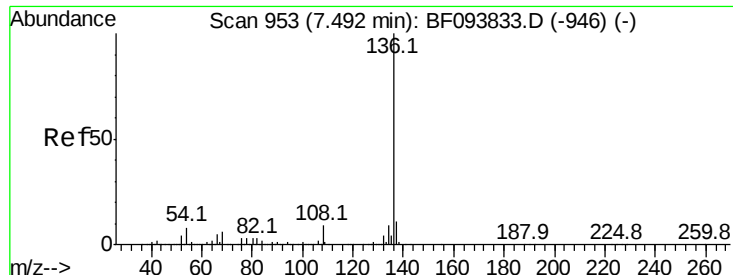
Tot Ion: 70 Resp: 9358
Ion Ratio Lower Upper
70 100
42 65.1 47.2 70.8
101 11.1 7.2 10.8#
130 22.0 15.9 23.9



#20
3+4-Methylphenols
Concen: 1.16 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion: 107 Resp: 14981
Ion Ratio Lower Upper
107 100
108 96.0 71.0 111.0
77 119.5 90.5 130.5
79 32.3 8.4 48.4

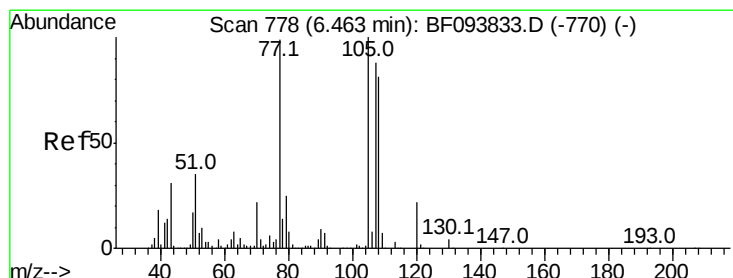
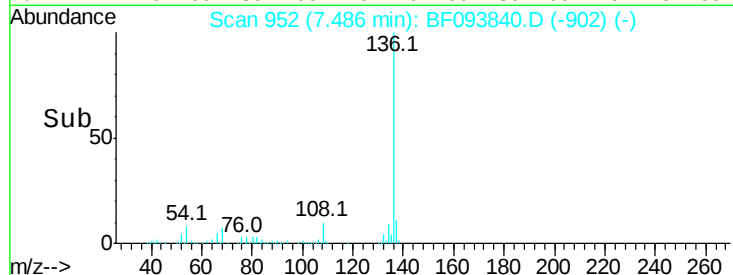
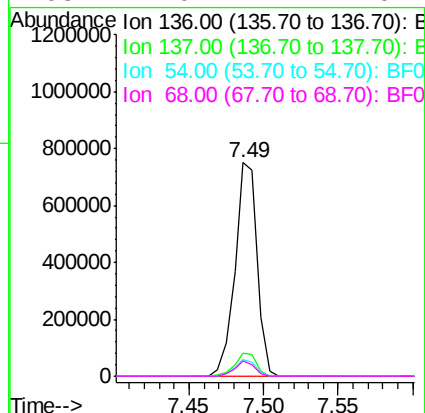
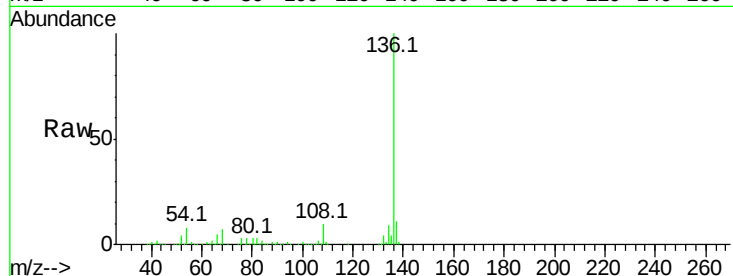




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.49 min Scan# 952
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

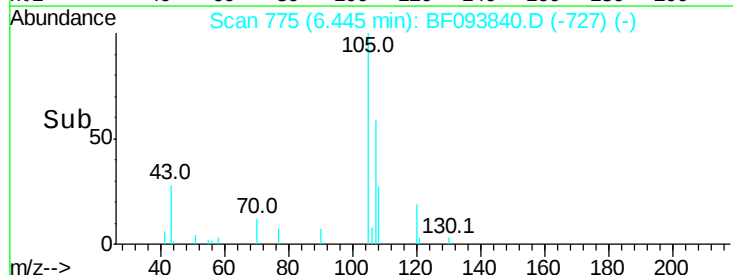
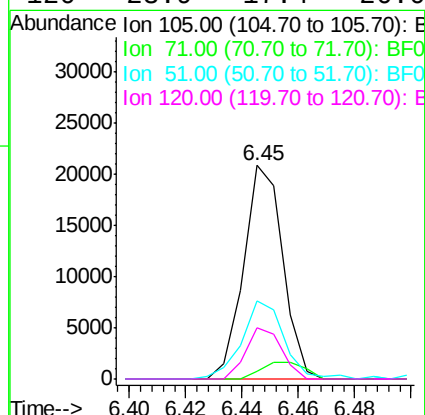
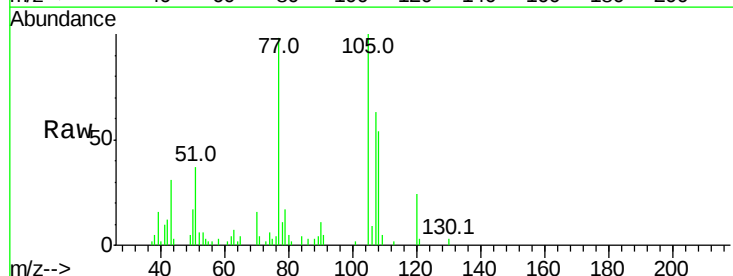
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

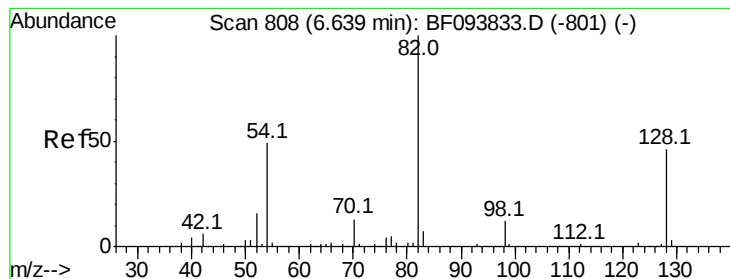
Tot Ion:136	Resp:	780000
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.5	12.7
54 8.1	4.9	7.3#
68 7.0	4.1	6.1#



#22
Acetophenone
Concen: 1.15 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:105	Resp:	20043
Ion Ratio	Lower	Upper
105 100		
71 3.7	2.8	4.2
51 36.6	30.7	46.1
120 23.9	17.4	26.0





#23

Nitrobenzene-d5

Concen: 85.83 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

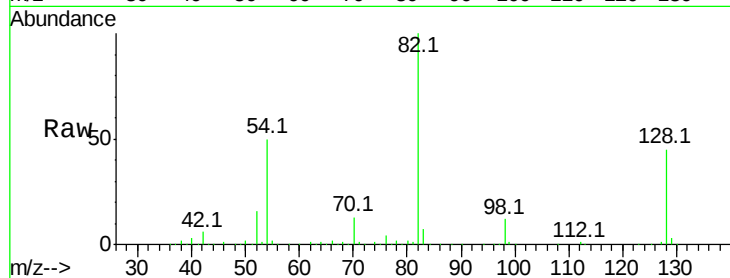
Tot Ion: 82 Resp: 1173149

Ion Ratio Lower Upper

82 100

128 45.2 34.0 51.0

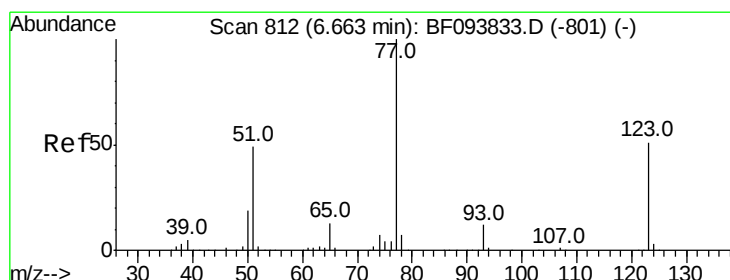
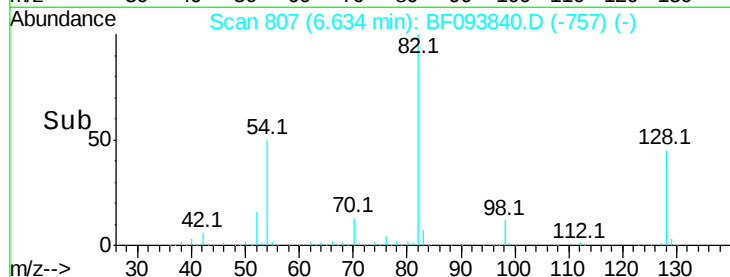
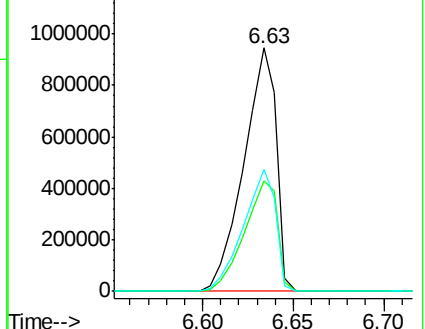
54 50.0 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 1.41 ng

RT: 6.65 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

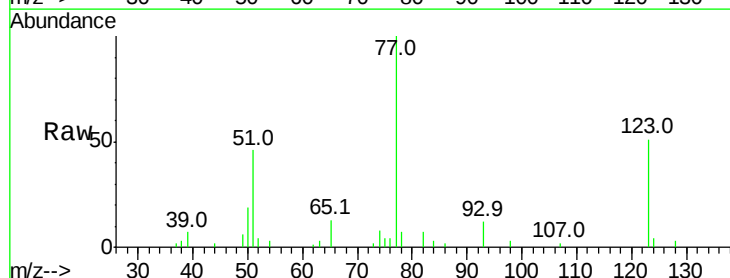
Tgt Ion: 77 Resp: 19007

Ion Ratio Lower Upper

77 100

123 51.4 35.8 53.8

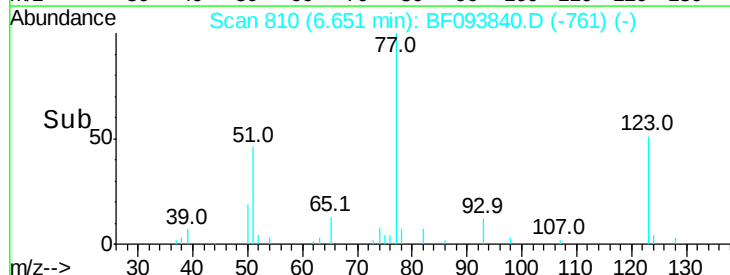
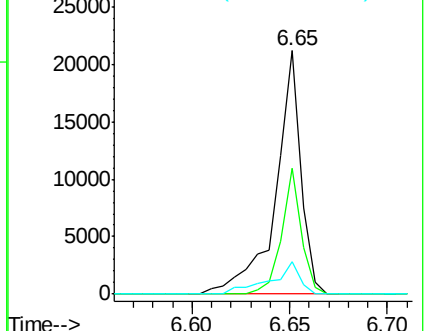
65 13.2 10.6 15.8

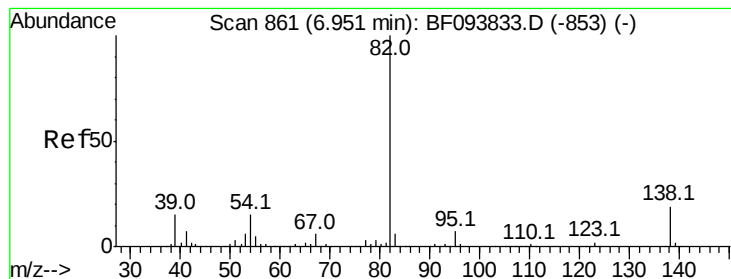


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 1.10 ng

RT: 6.93 min Scan# 858

Delta R.T. -0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

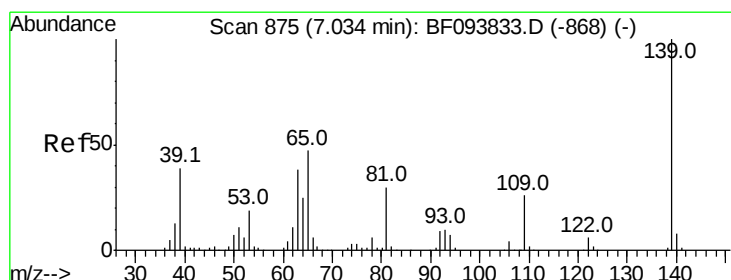
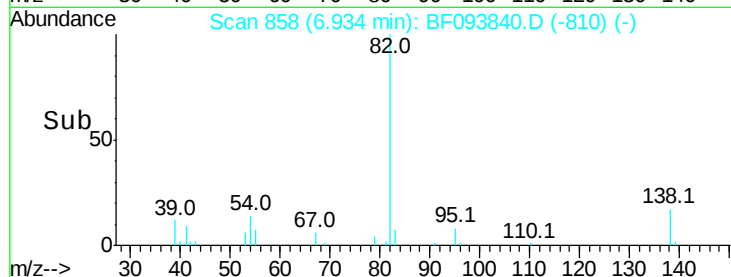
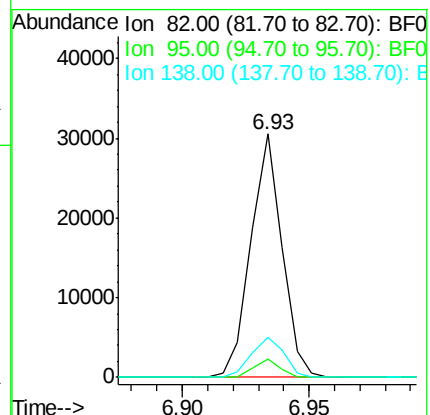
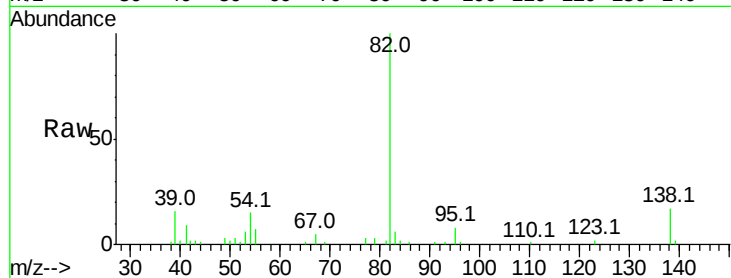
Tot Ion: 82 Resp: 26303

Ion Ratio Lower Upper

82 100

95 7.6 5.3 7.9

138 16.5 13.1 19.7



#26

2-Nitrophenol

Concen: 0.87 ng

RT: 7.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

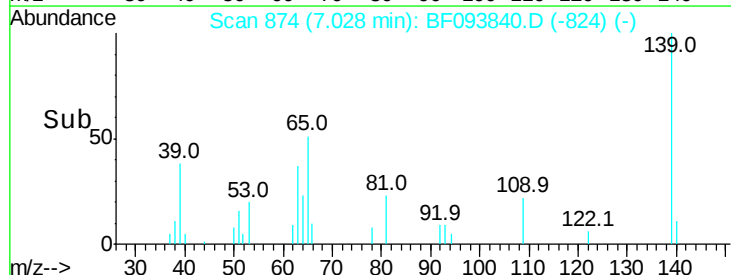
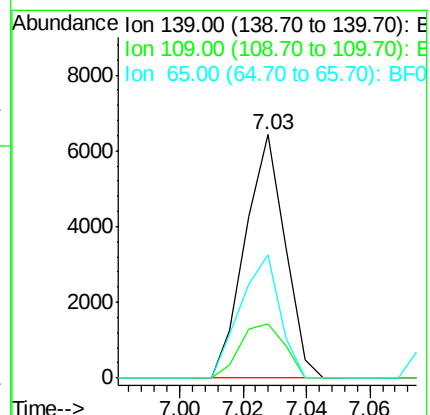
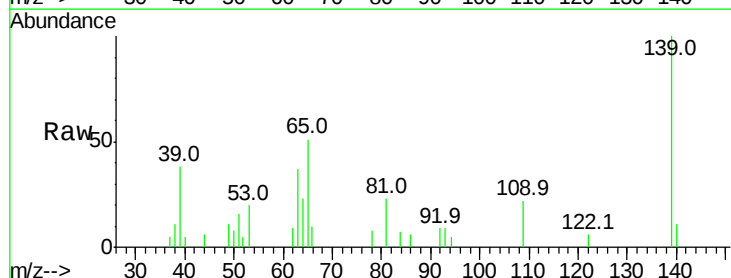
Tgt Ion:139 Resp: 5609

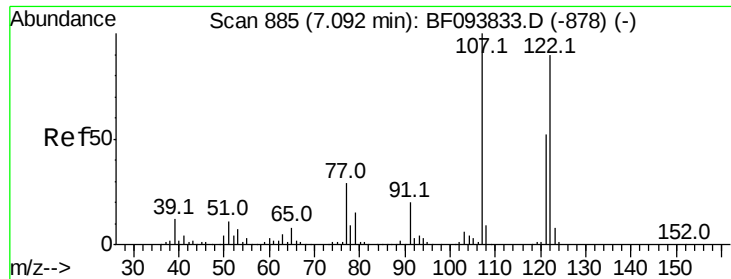
Ion Ratio Lower Upper

139 100

109 22.5 21.0 31.6

65 50.5 33.0 49.6#

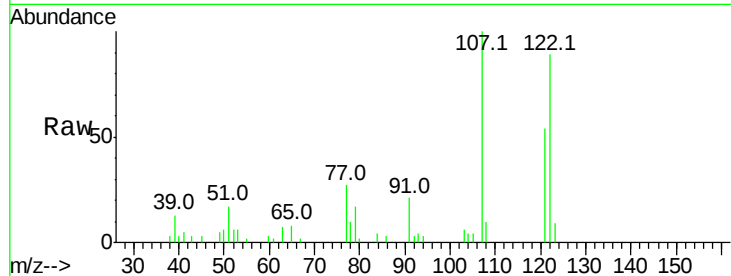




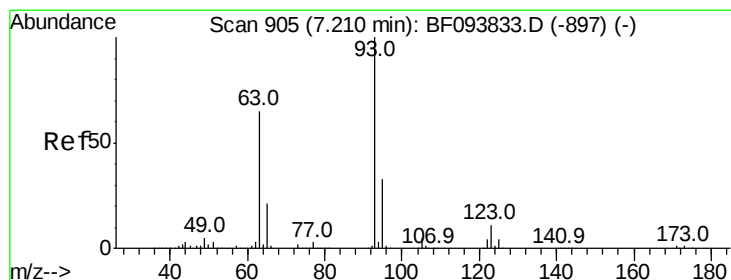
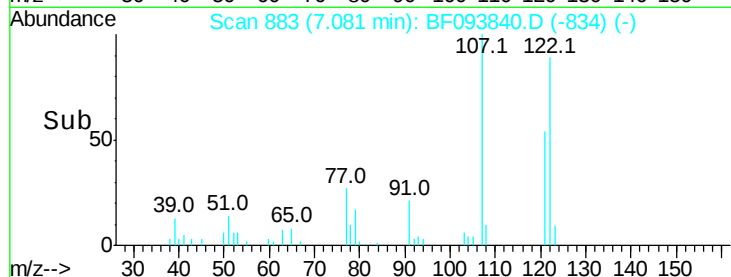
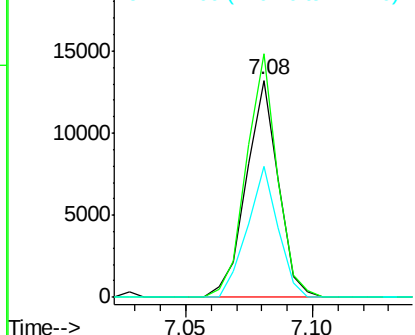
#27
2,4-Dimethylphenol
Concen: 1.05 ng
RT: 7.08 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:122 Resp: 11632
Ion Ratio Lower Upper
122 100
107 112.2 89.2 133.8
121 60.5 45.2 67.8

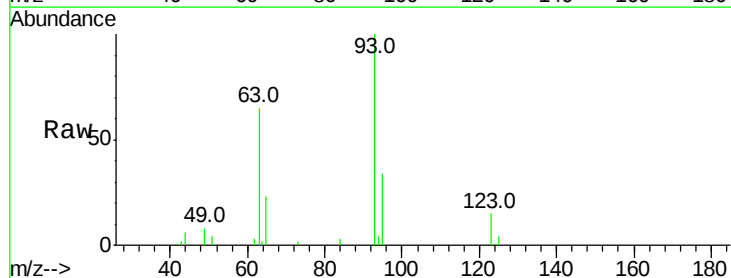


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

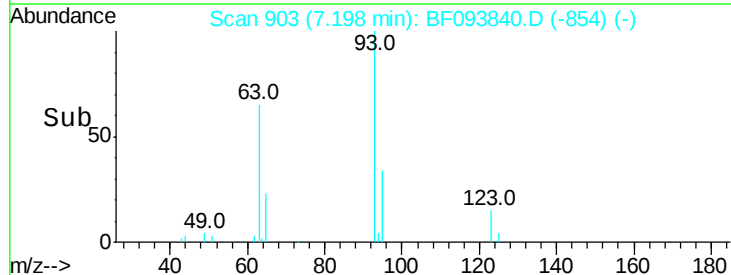
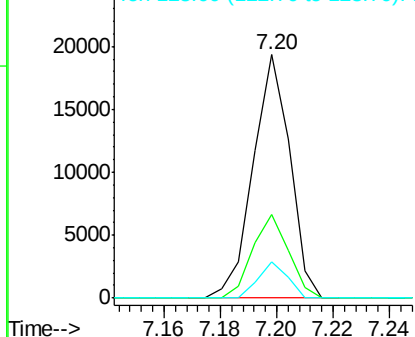


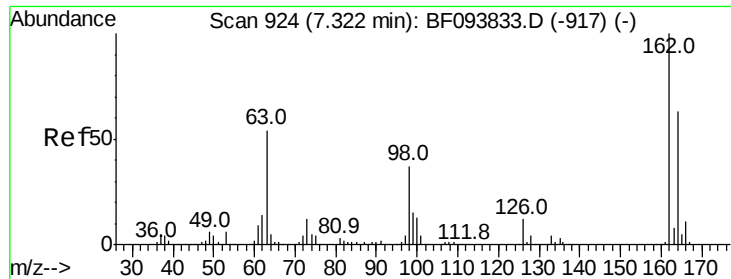
#28
bis(2-Chloroethoxy)methane
Concen: 1.10 ng
RT: 7.20 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion: 93 Resp: 17457
Ion Ratio Lower Upper
93 100
95 34.4 26.5 39.7
123 14.7 9.0 13.4#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E

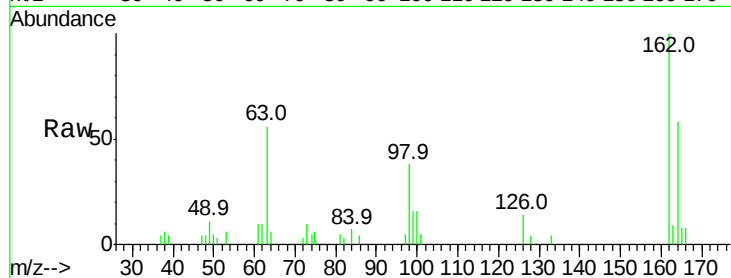




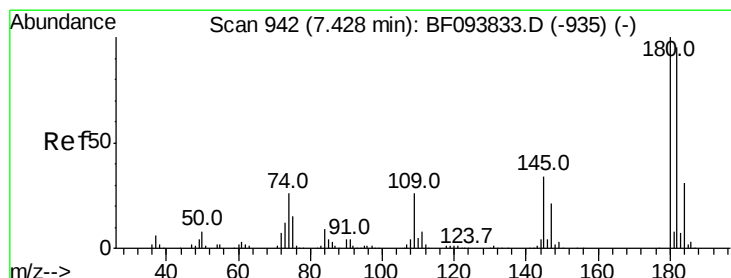
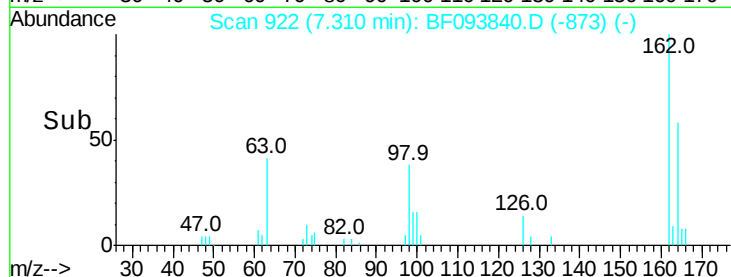
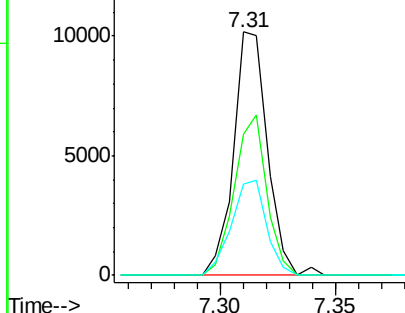
#29
 2,4-Dichlorophenol
 Concen: 1.01 ng
 RT: 7.31 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:162 Resp: 10440
 Ion Ratio Lower Upper
 162 100
 164 58.1 44.6 84.6
 98 37.7 14.8 54.8

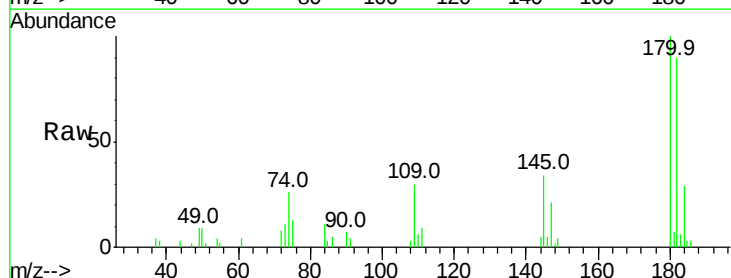


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

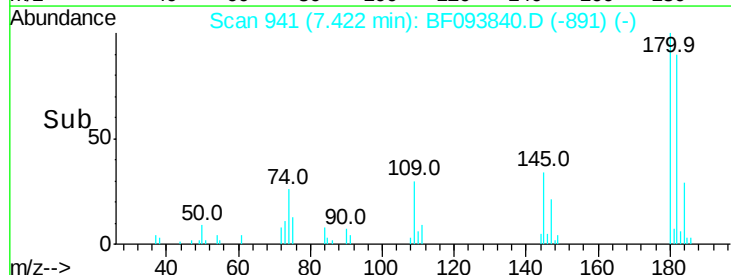
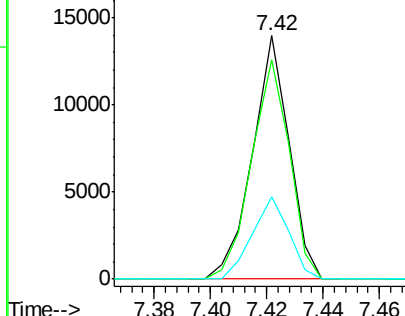


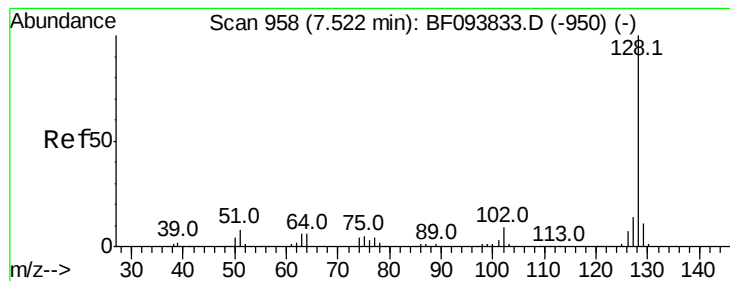
#30
 1,2,4-Trichlorobenzene
 Concen: 1.18 ng
 RT: 7.42 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Tgt Ion:180 Resp: 12611
 Ion Ratio Lower Upper
 180 100
 182 90.3 75.8 113.6
 145 33.6 25.3 37.9



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





#31

Naphthalene

Concen: 1.21 ng

RT: 7.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

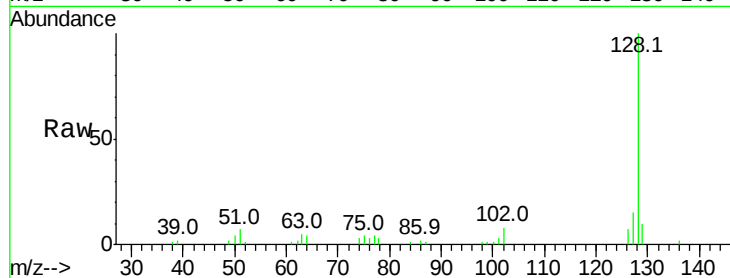
Tot Ion:128 Resp: 45356

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.6

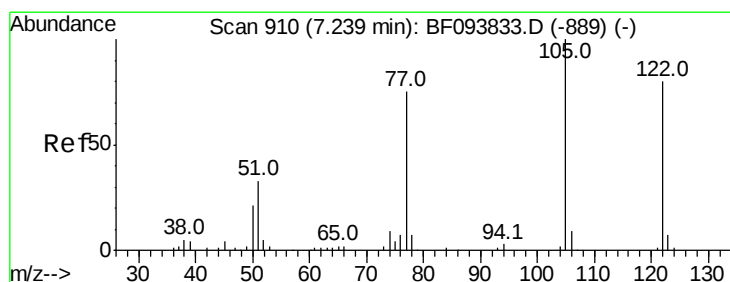
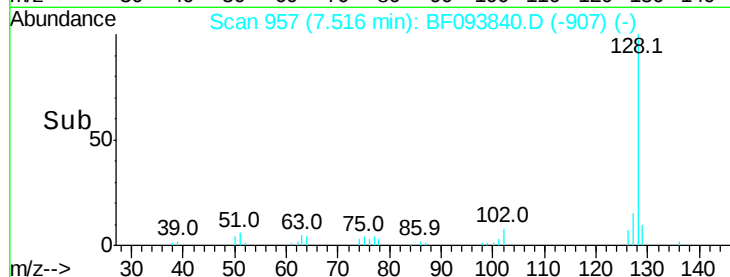
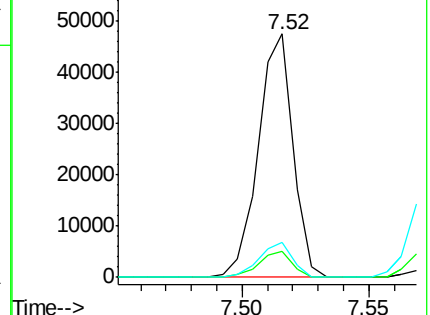
127 14.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 1.58 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.16 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

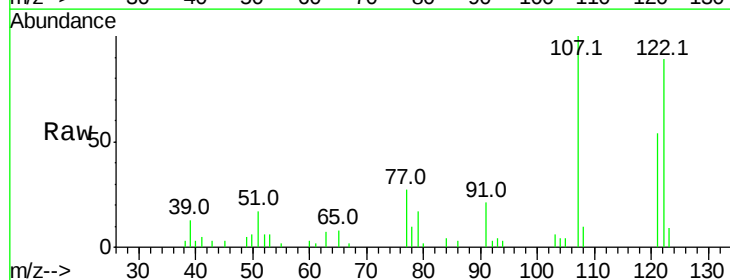
Tgt Ion:122 Resp: 11632

Ion Ratio Lower Upper

122 100

105 4.9 103.3 143.3#

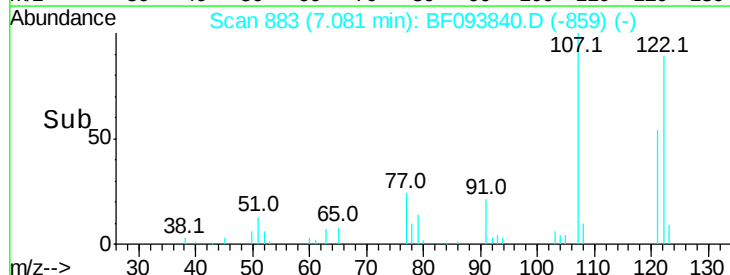
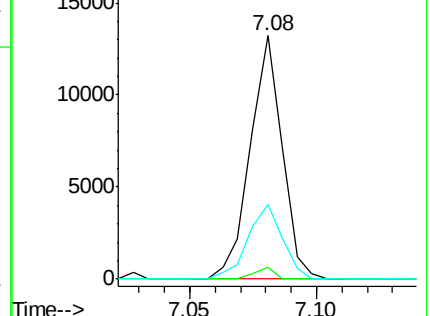
77 30.8 73.7 113.7#

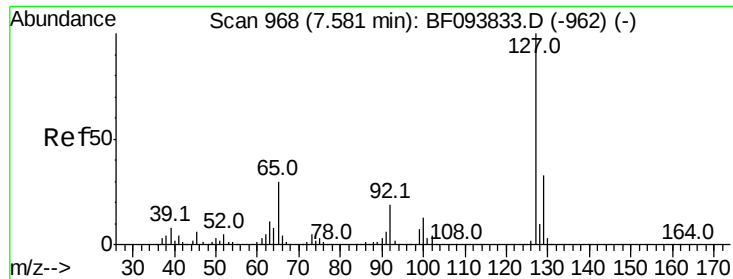


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

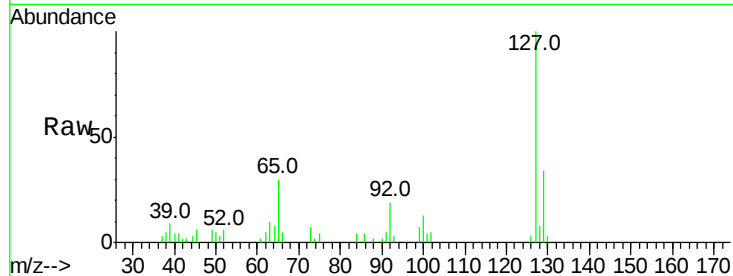




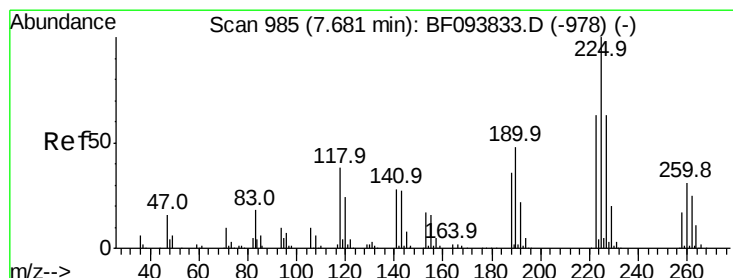
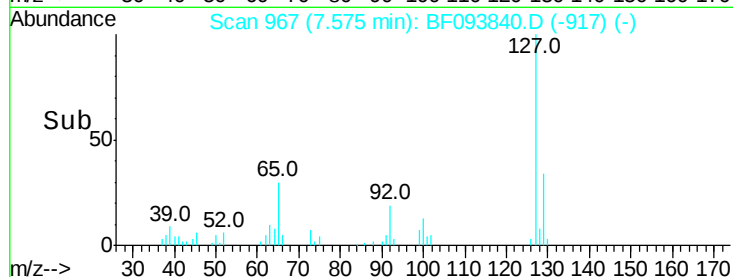
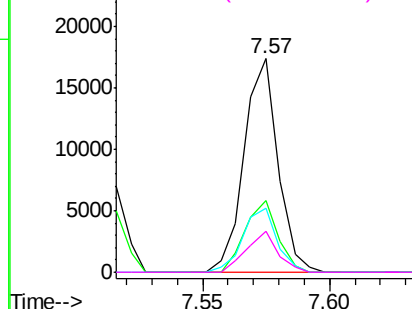
#33
4-Chloroaniline
Concen: 1.07 ng
RT: 7.57 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:	127	Resp:	16212
Ion	Ratio	Lower	Upper
127	100		
129	33.6	26.2	39.2
65	30.2	27.8	41.8
92	19.3	16.8	25.2

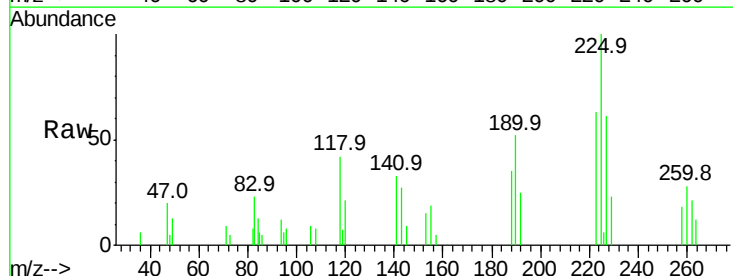


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

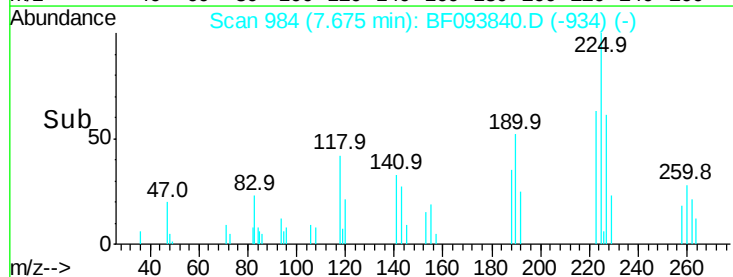
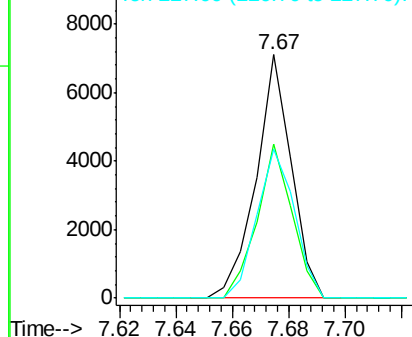


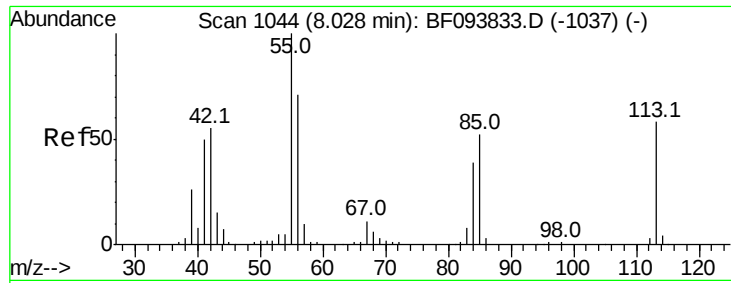
#34
Hexachlorobutadiene
Concen: 1.13 ng
RT: 7.67 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:	225	Resp:	6161
Ion	Ratio	Lower	Upper
225	100		
223	63.2	48.8	73.2
227	61.1	51.1	76.7



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

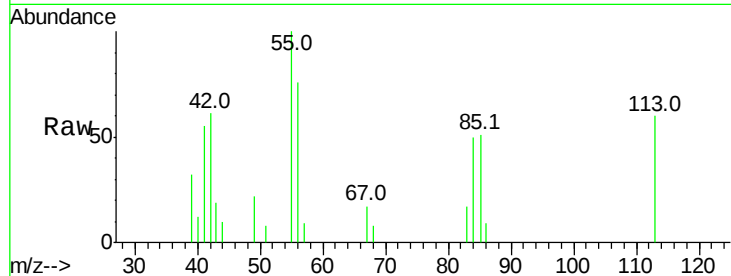




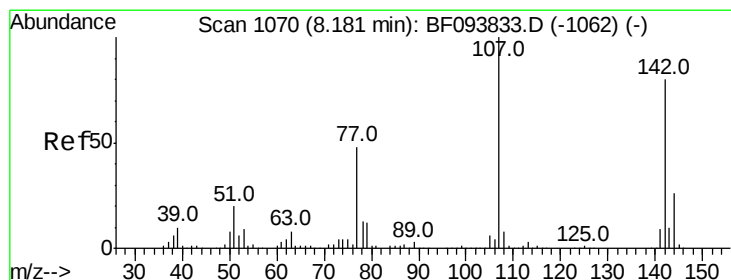
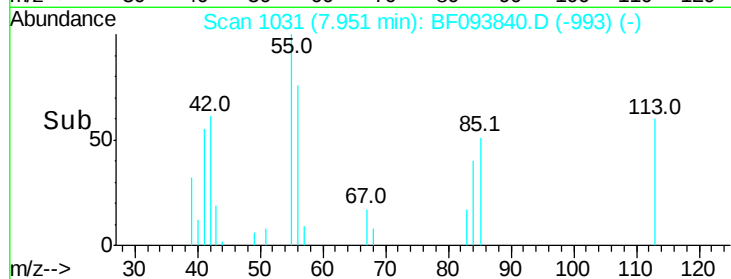
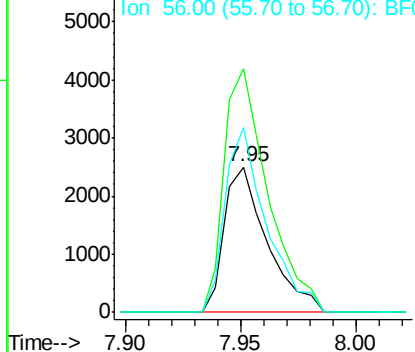
#35
 Caprolactam
 Concen: 0.98 ng
 RT: 7.95 min Scan# 1031
 Delta R.T. -0.08 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:113 Resp: 3226
 Ion Ratio Lower Upper
 113 100
 55 167.7 150.2 190.2
 56 127.1 107.8 147.8

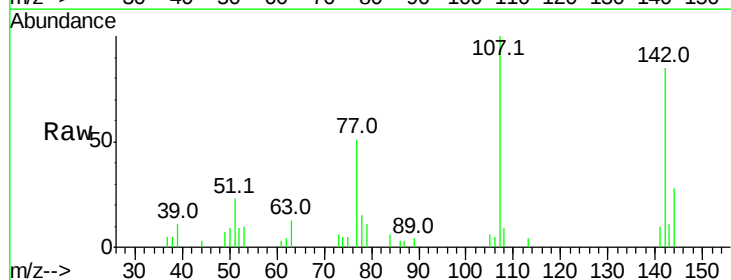


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

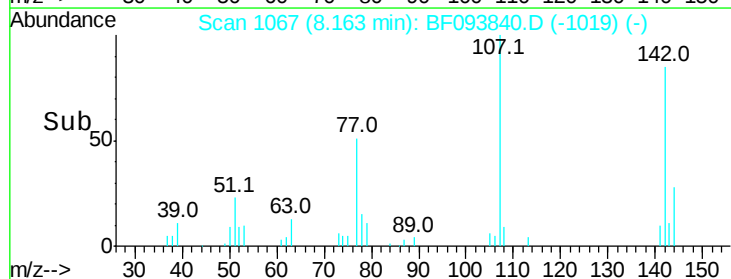
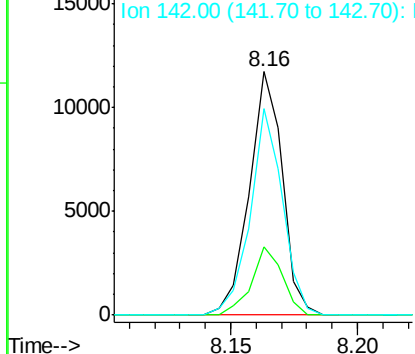


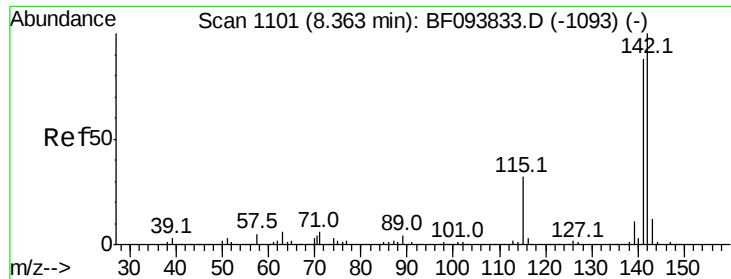
#36
 4-Chloro-3-methylphenol
 Concen: 0.99 ng
 RT: 8.16 min Scan# 1067
 Delta R.T. -0.02 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Tgt Ion:107 Resp: 10667
 Ion Ratio Lower Upper
 107 100
 144 28.2 24.2 36.4
 142 84.8 73.4 110.0



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

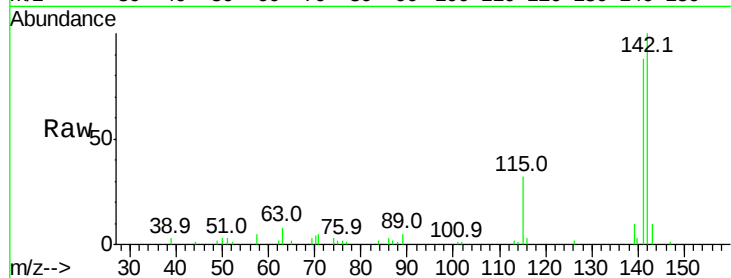




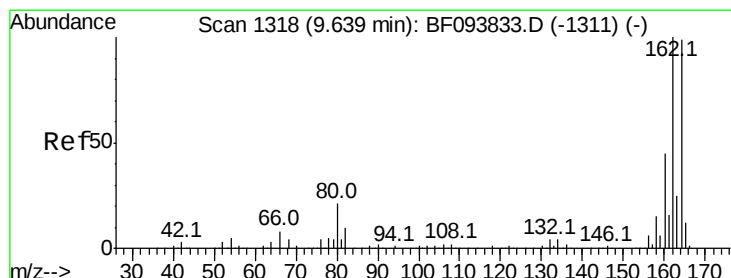
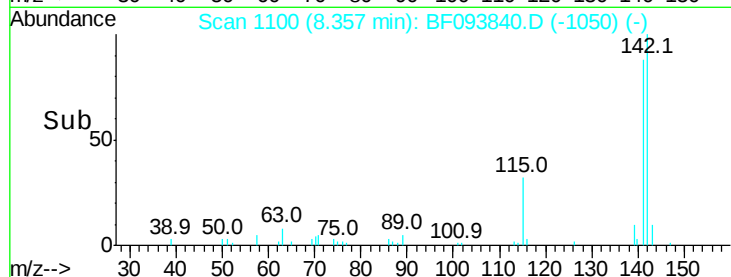
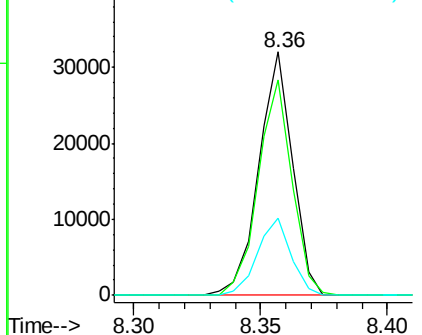
#37
2-Methylnaphthalene
Concen: 1.18 ng
RT: 8.36 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:142 Resp: 29484
Ion Ratio Lower Upper
142 100
141 88.3 71.3 106.9
115 31.5 27.1 40.7

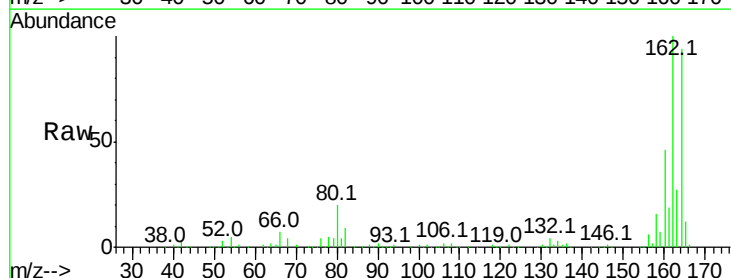


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

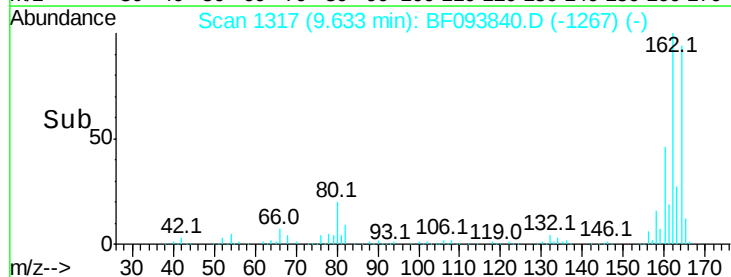
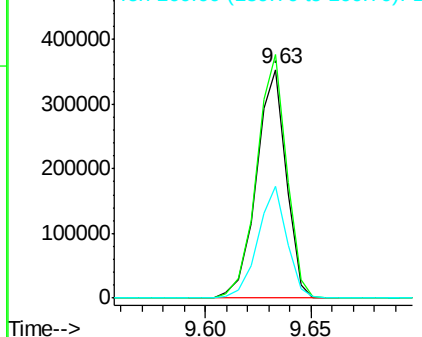


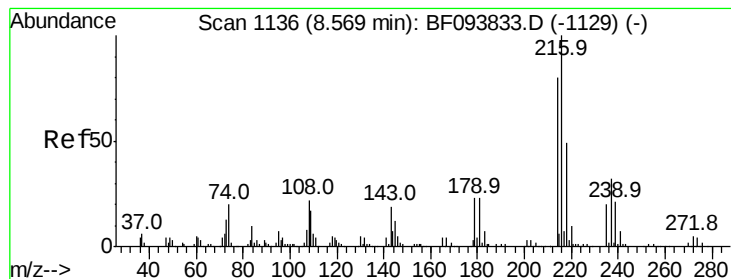
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:164 Resp: 346469
Ion Ratio Lower Upper
164 100
162 106.5 82.6 123.8
160 49.0 36.2 54.2



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: 1.32 ng

RT: 8.56 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:216 Resp: 12553

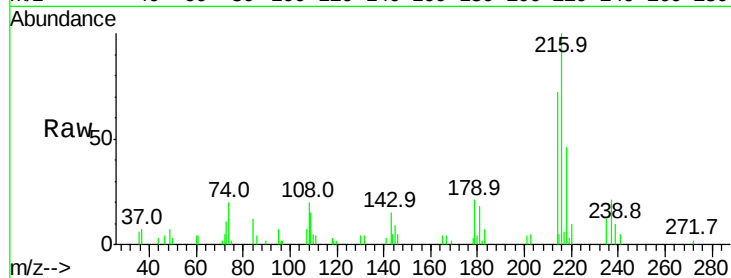
Ion Ratio Lower Upper

216 100

214 74.3 63.4 95.2

179 22.9 17.9 26.9

108 21.6 16.5 24.7

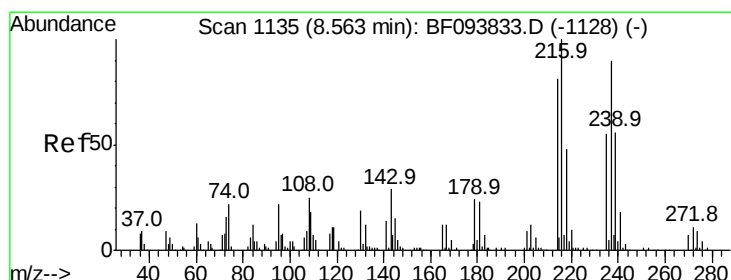
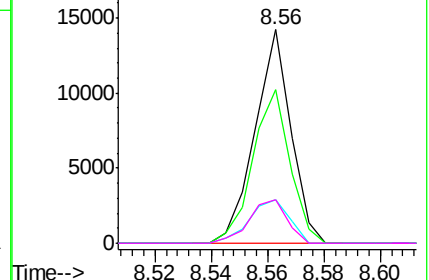
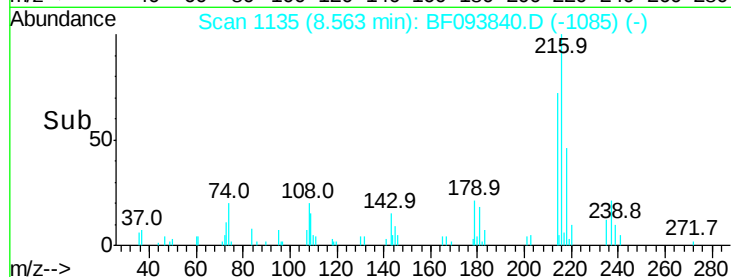


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 0.80 ng

RT: 8.56 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

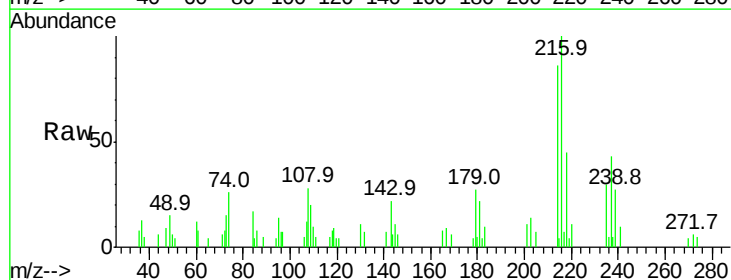
Tgt Ion:237 Resp: 3532

Ion Ratio Lower Upper

237 100

235 70.7 42.6 82.6

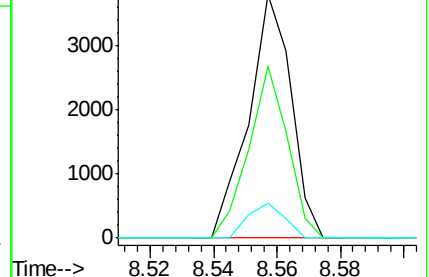
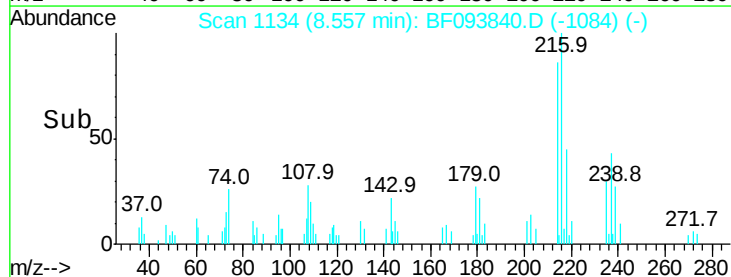
272 14.2 0.0 31.9

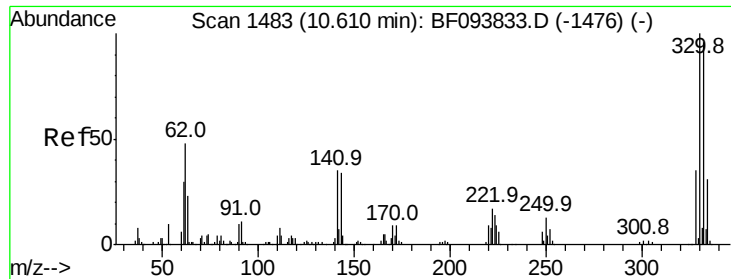


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

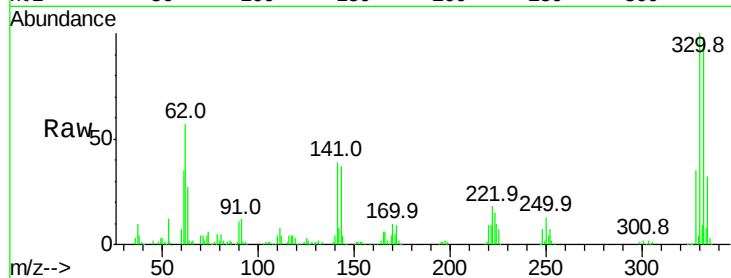




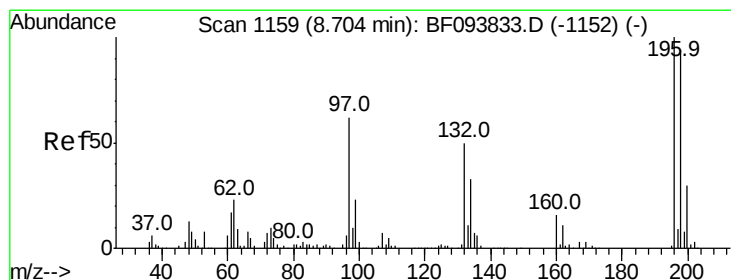
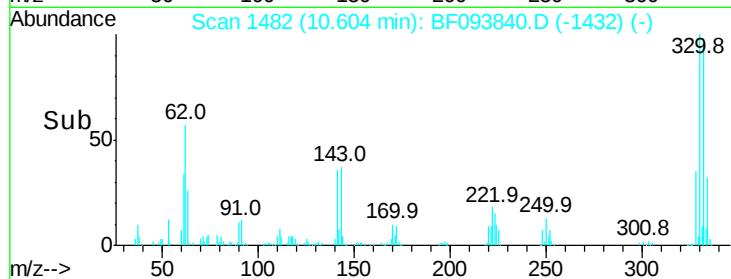
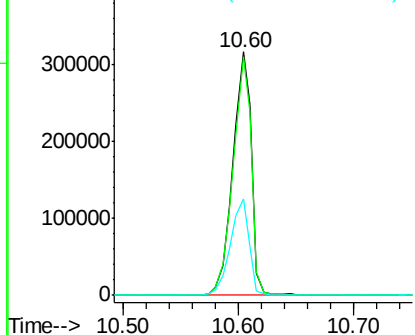
#41
 2,4,6-Tribromophenol
 Concen: 129.08 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	40.0	31.4	47.2

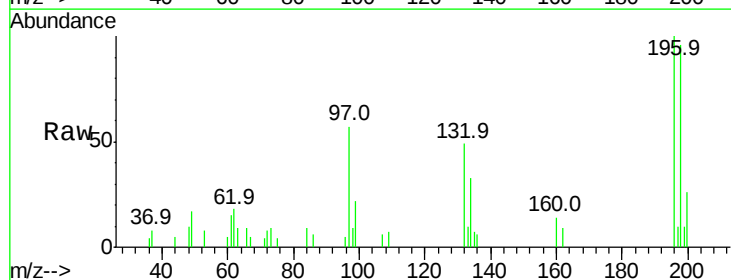


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

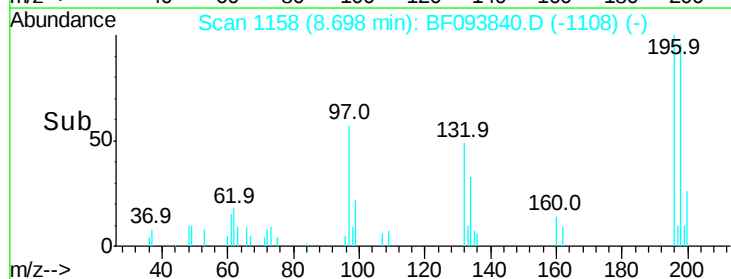
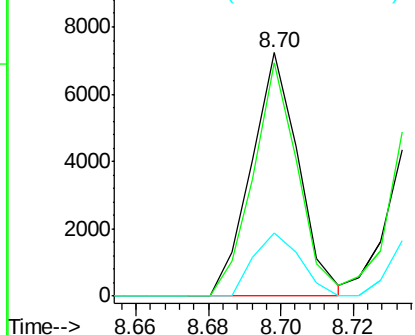


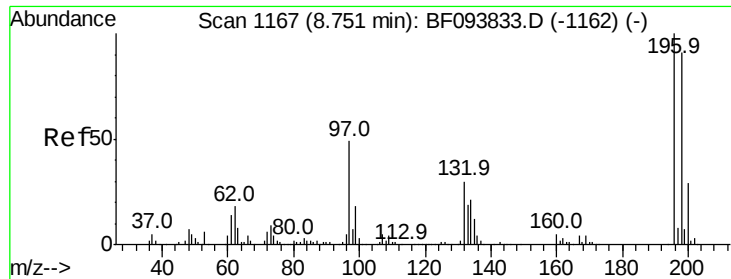
#42
 2,4,6-Trichlorophenol
 Concen: 0.97 ng
 RT: 8.70 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.6	74.2	111.4
200	25.7	24.0	36.0



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

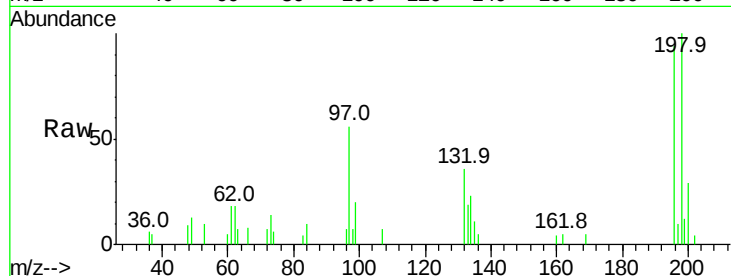




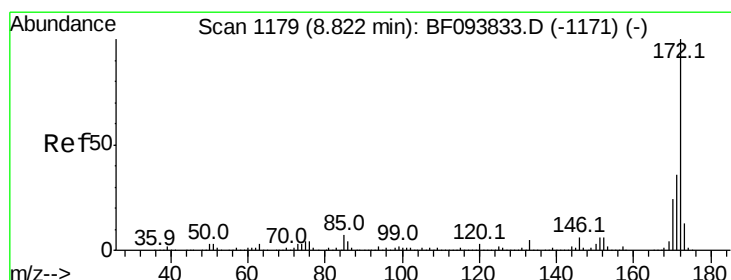
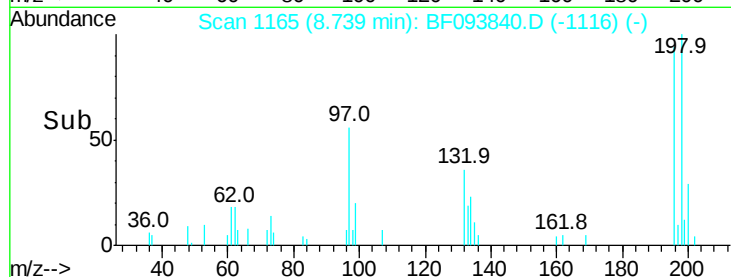
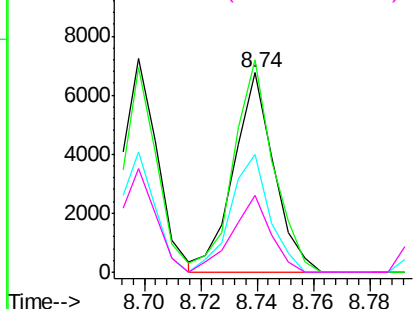
#43
 2,4,5-Trichlorophenol
 Concen: 0.92 ng
 RT: 8.74 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:196 Resp: 6703
 Ion Ratio Lower Upper
 196 100
 198 106.4 75.7 113.5
 97 59.2 47.7 71.5
 132 38.4 28.0 42.0

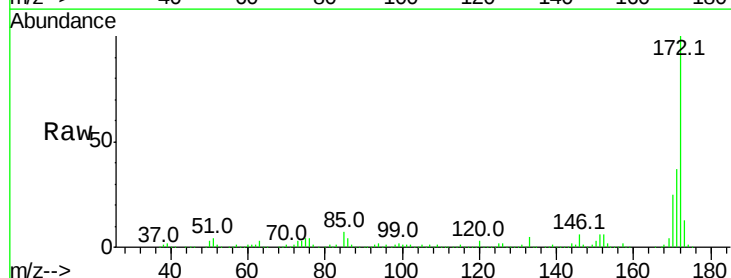


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

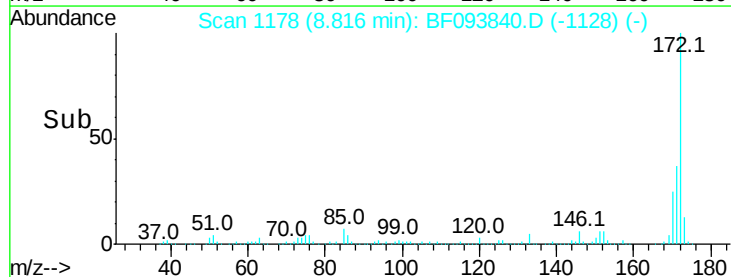
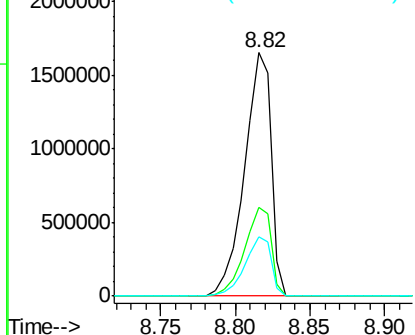


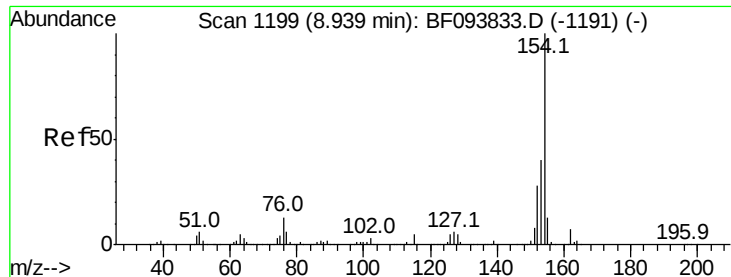
#44
 2-Fluorobiphenyl
 Concen: 89.46 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Tgt Ion:172 Resp: 2032103
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.5 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 1.44 ng

RT: 8.93 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

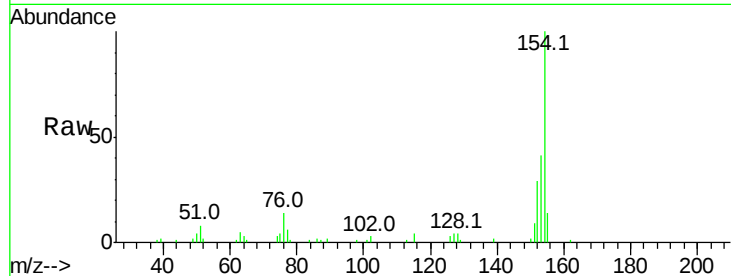
Tot Ion:154 Resp: 40155

Ion Ratio Lower Upper

154 100

153 41.5 21.2 61.2

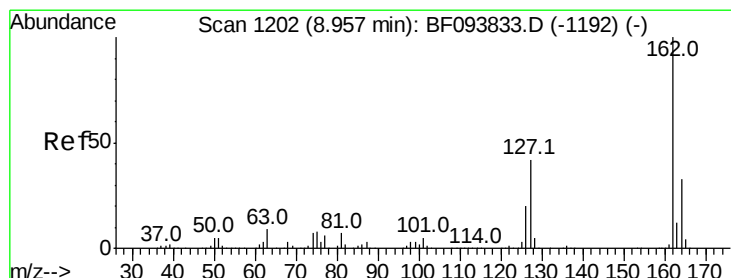
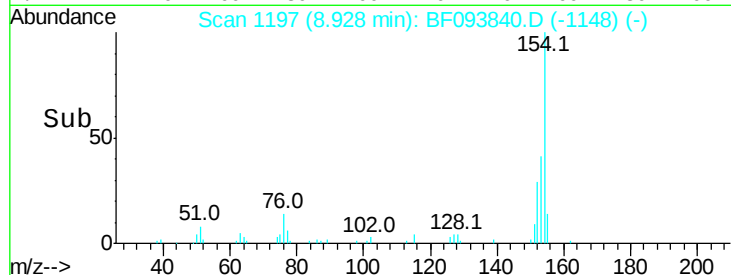
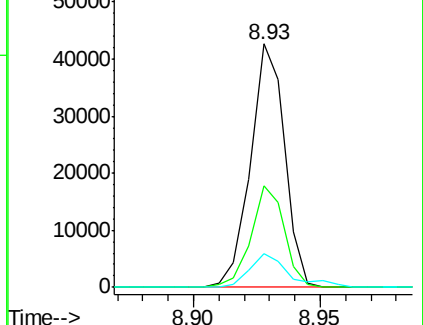
76 13.9 0.0 29.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 1.24 ng

RT: 8.95 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

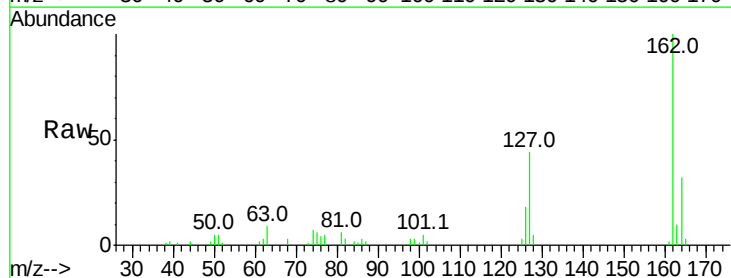
Tgt Ion:162 Resp: 27103

Ion Ratio Lower Upper

162 100

127 43.6 28.3 42.5#

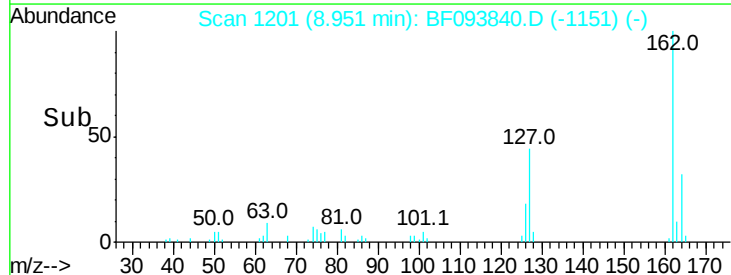
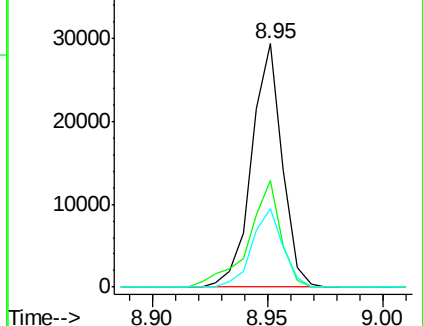
164 32.1 27.0 40.4

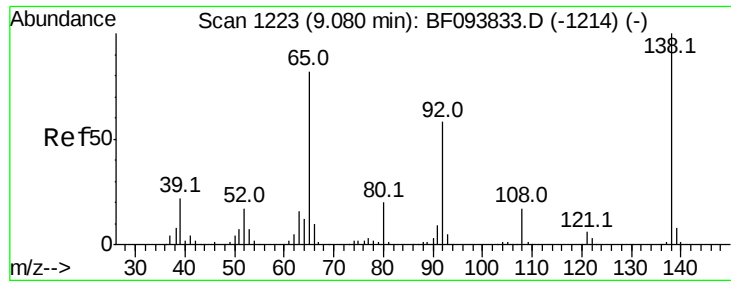


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

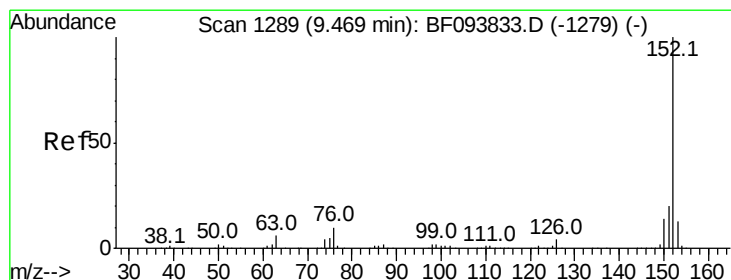
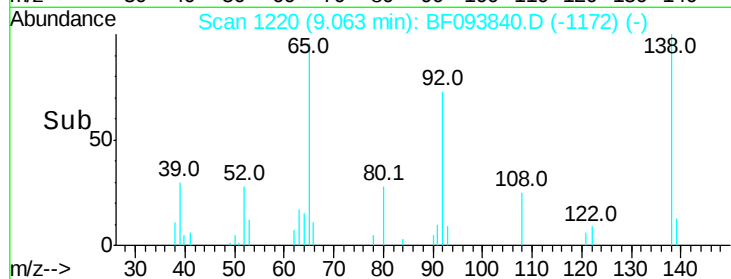
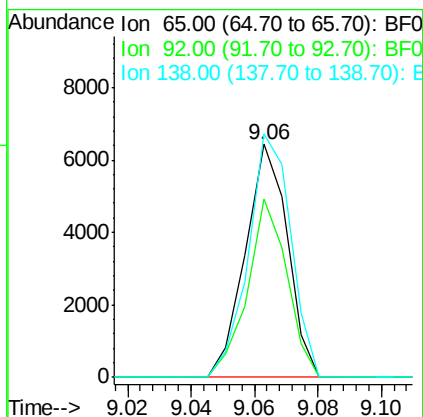
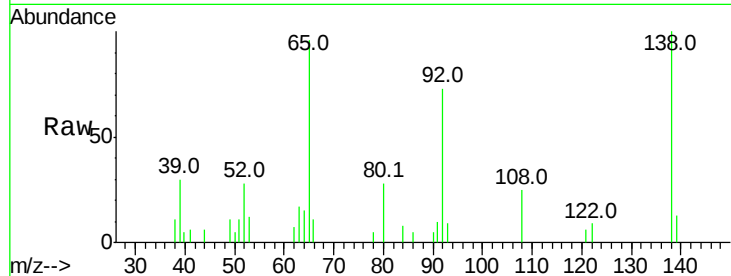




#47
2-Nitroaniline
Concen: 0.91 ng
RT: 9.06 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

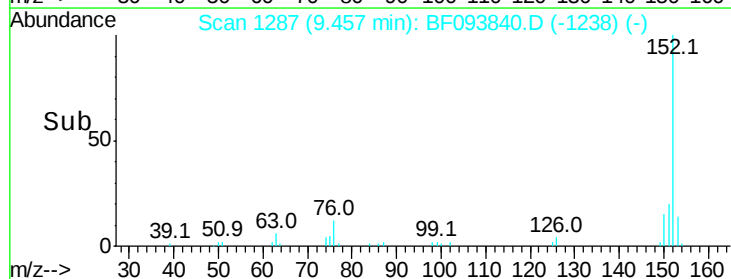
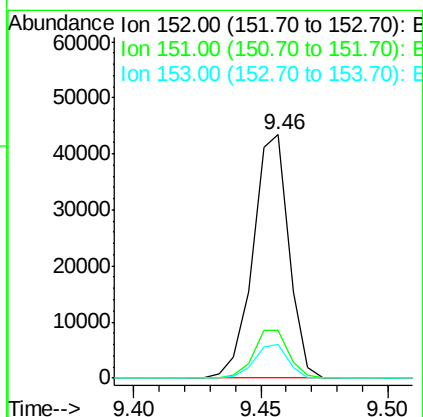
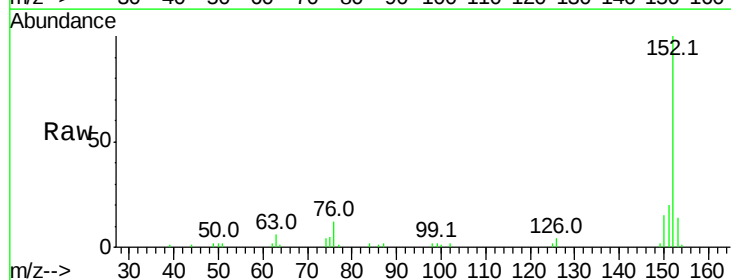
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

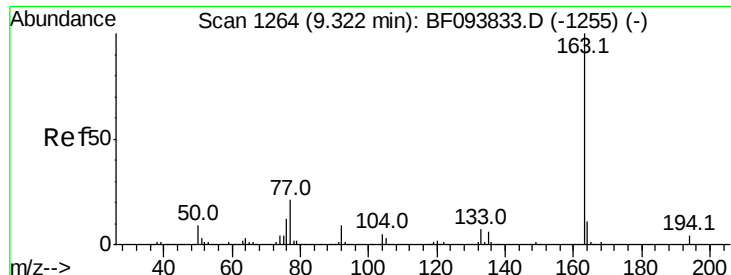
Tot Ion: 65 Resp: 5934
Ion Ratio Lower Upper
65 100
92 76.8 53.9 80.9
138 104.6 78.8 118.2



#48
Acenaphthylene
Concen: 1.18 ng
RT: 9.46 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion: 152 Resp: 42978
Ion Ratio Lower Upper
152 100
151 19.7 16.8 25.2
153 13.9 10.8 16.2

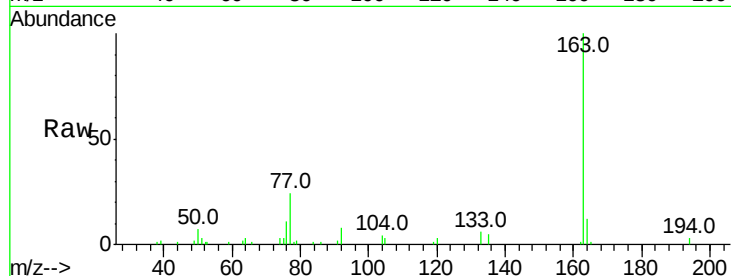




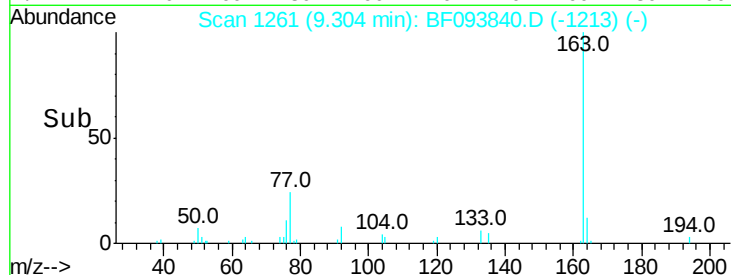
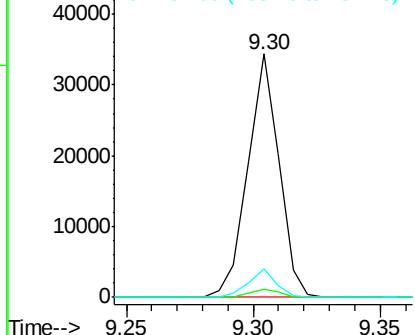
#49
Dimethylphthalate
Concen: 1.20 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:163 Resp: 29453
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 11.6 8.4 12.6

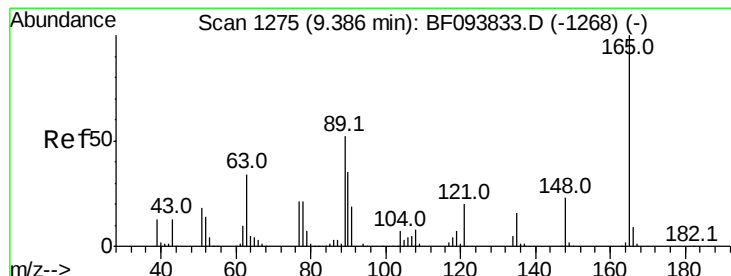


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

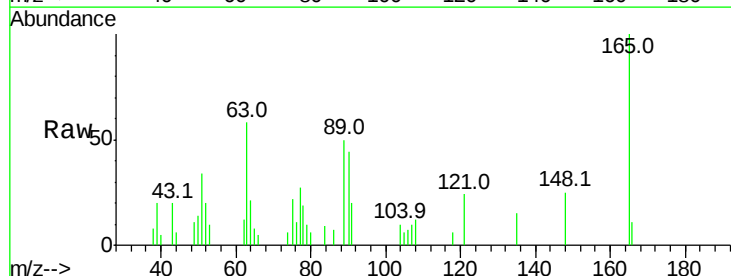
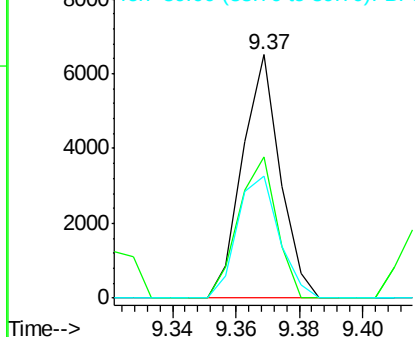


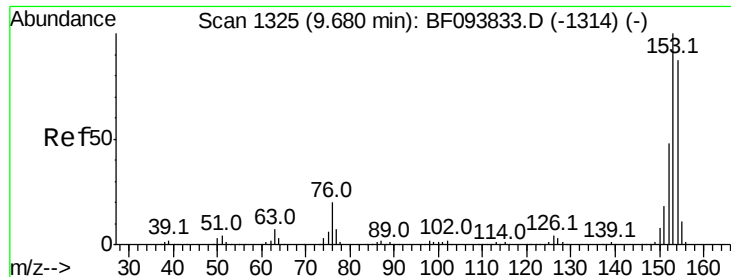
#50
2,6-Dinitrotoluene
Concen: 0.95 ng
RT: 9.37 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:165 Resp: 5372
Ion Ratio Lower Upper
165 100
63 57.9 34.3 51.5#
89 50.2 37.1 55.7



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: 1.24 ng

RT: 9.67 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

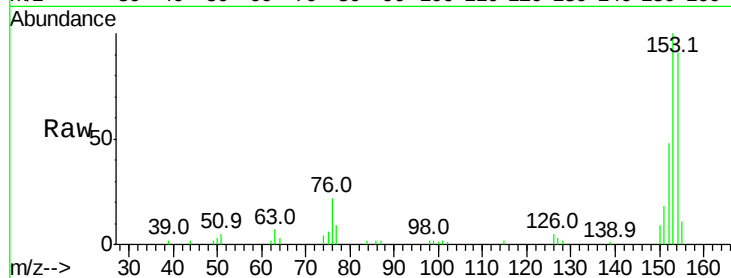
Tot Ion:154 Resp: 26323

Ion Ratio Lower Upper

154 100

153 110.4 90.5 135.7

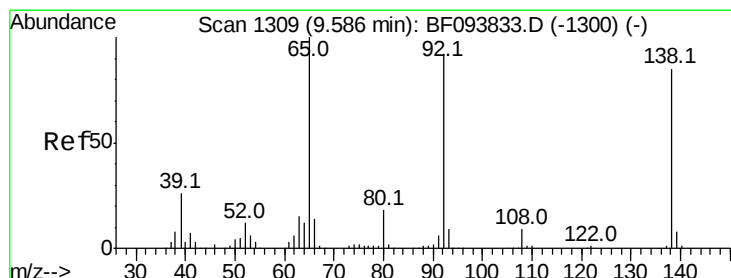
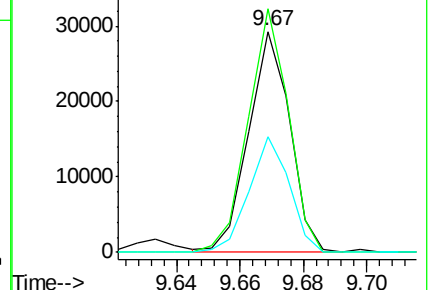
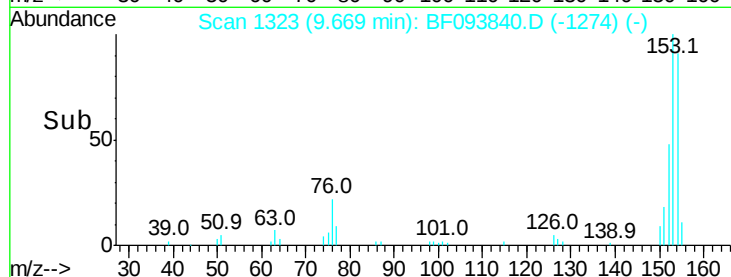
152 52.6 43.6 65.4



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: 1.02 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

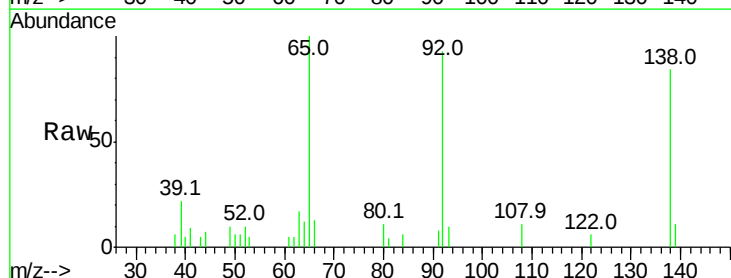
Tgt Ion:138 Resp: 6784

Ion Ratio Lower Upper

138 100

108 13.0 9.1 13.7

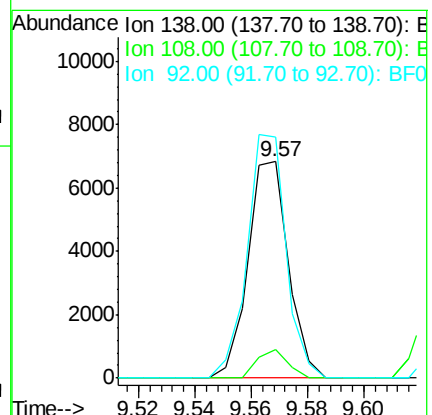
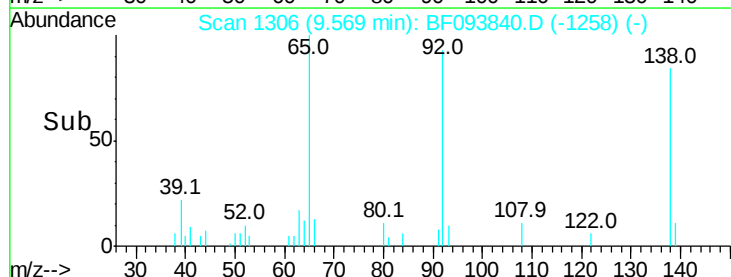
92 111.0 93.8 140.6

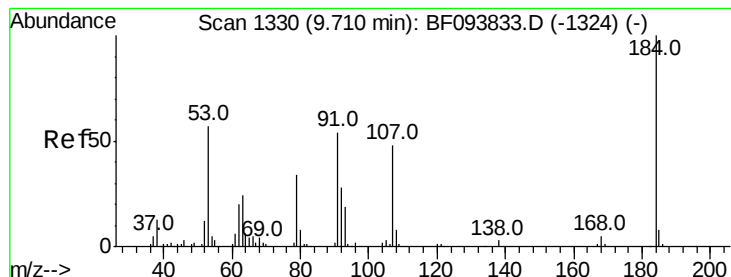


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 4.74 ng

RT: 9.70 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

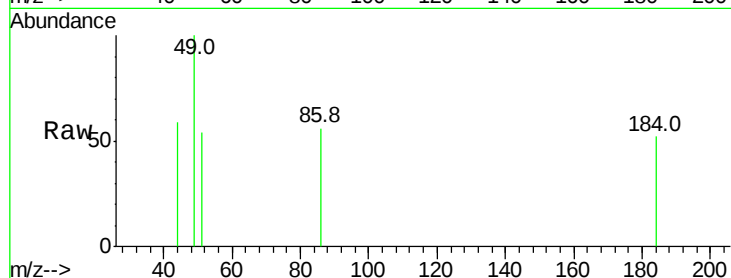
Tot Ion:184 Resp: 259

Ion Ratio Lower Upper

184 100

63 0.0 62.7 94.1#

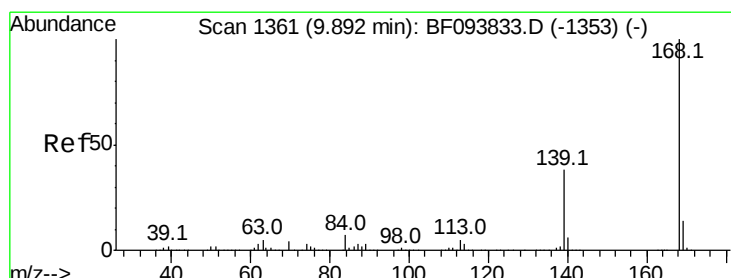
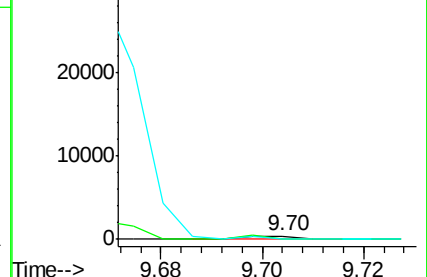
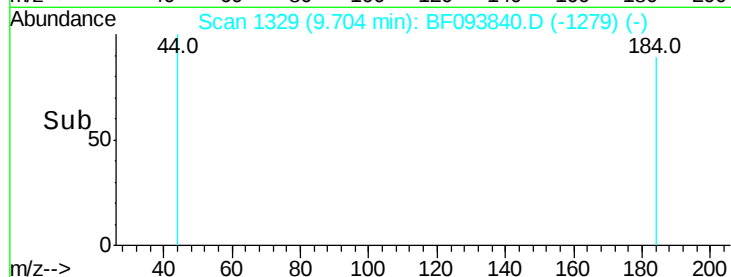
154 0.0 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 1.28 ng

RT: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

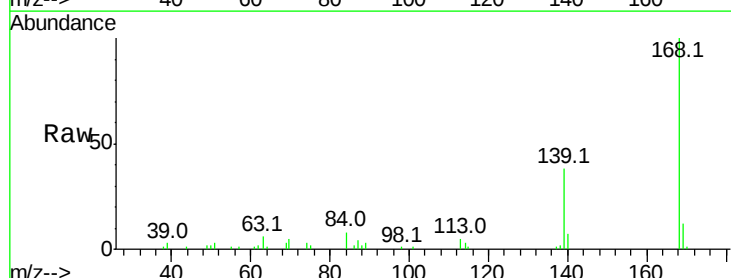
Tgt Ion:168 Resp: 36869

Ion Ratio Lower Upper

168 100

139 38.2 30.6 45.8

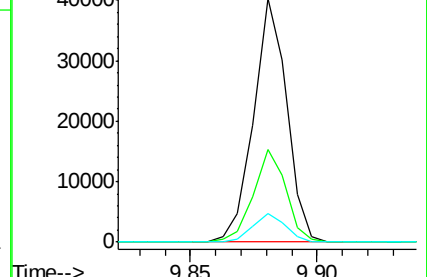
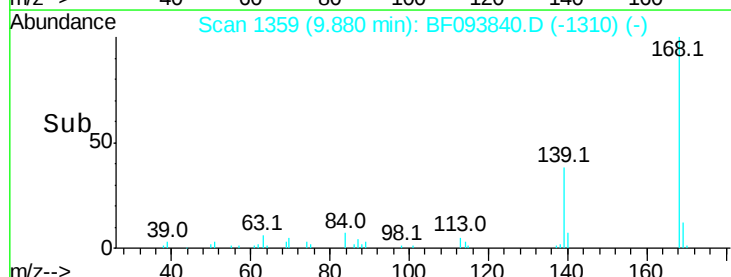
169 11.6 10.8 16.2

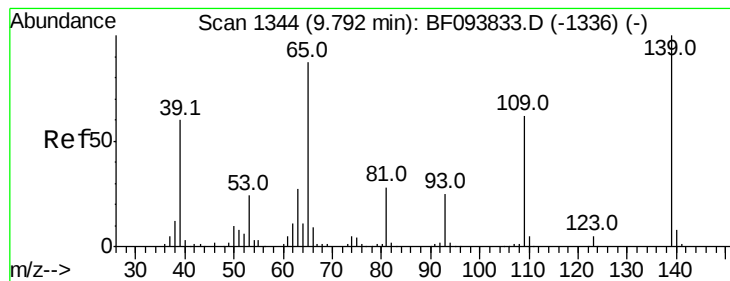


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 0.67 ng

RT: 9.77 min Scan# 1340

Delta R.T. -0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

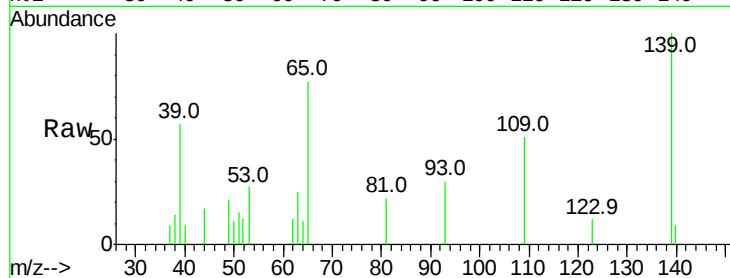
Tot Ion:139 Resp: 3487

Ion Ratio Lower Upper

139 100

109 51.0 34.1 74.1

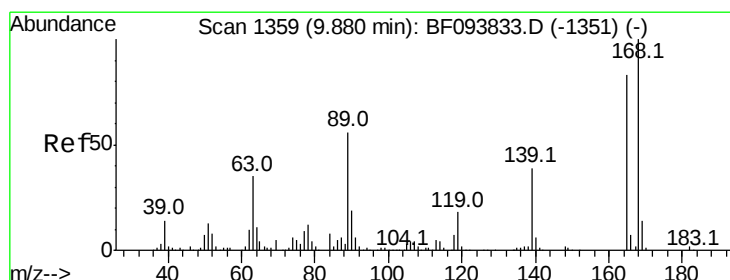
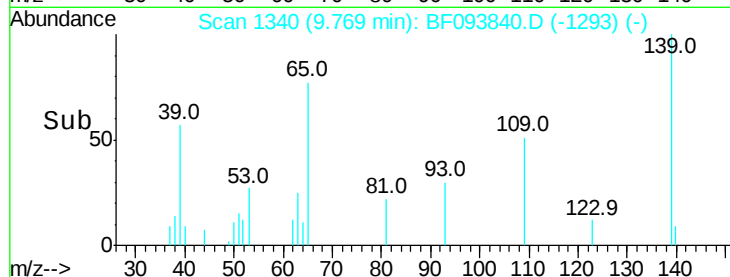
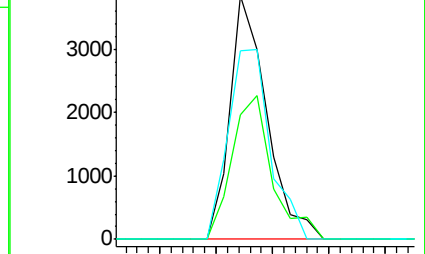
65 77.3 31.4 71.4#



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



#56

2,4-Dinitrotoluene

Concen: 0.85 ng

RT: 9.86 min Scan# 1356

Delta R.T. -0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Tgt Ion:165 Resp: 5999

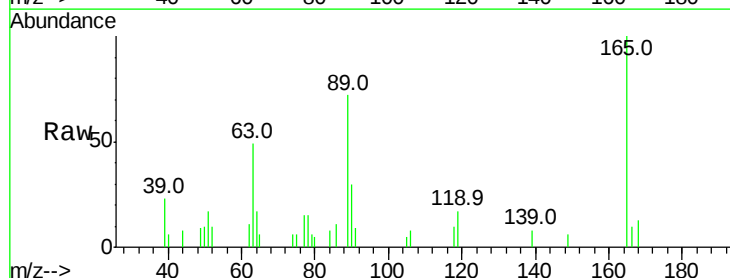
Ion Ratio Lower Upper

165 100

63 49.5 25.4 38.0#

89 71.7 46.4 69.6#

182 0.0 1.8 2.6#

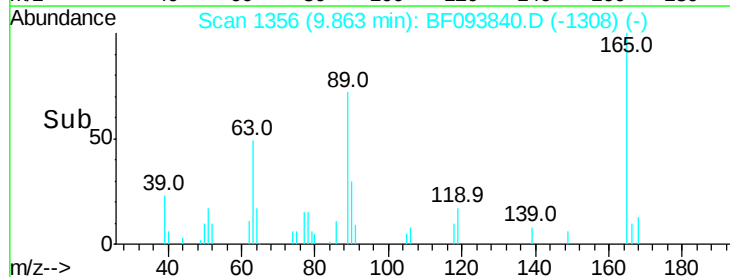
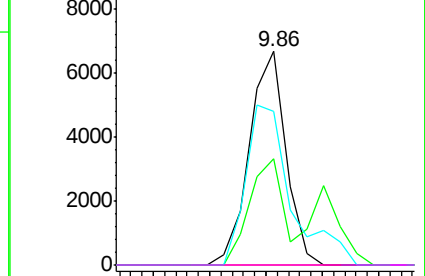


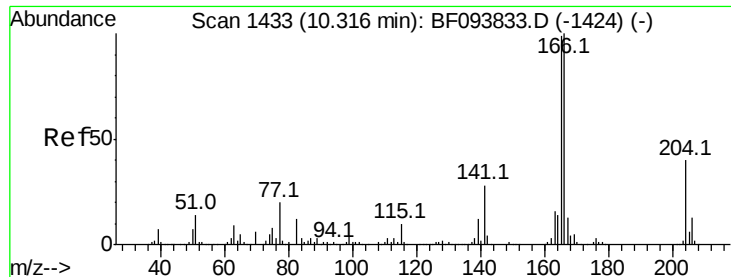
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 1.28 ng

RT: 10.30 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

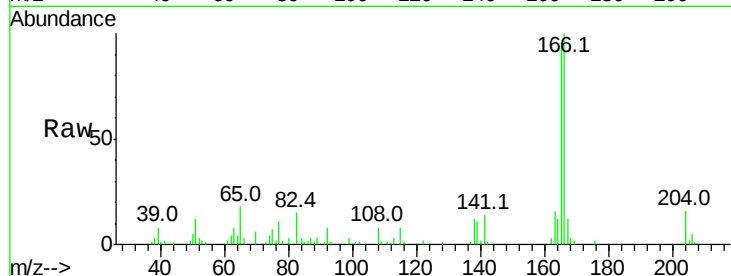
Tot Ion:166 Resp: 30654

Ion Ratio Lower Upper

166 100

165 93.8 78.8 118.2

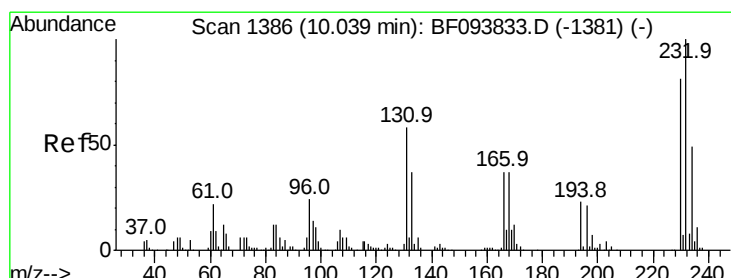
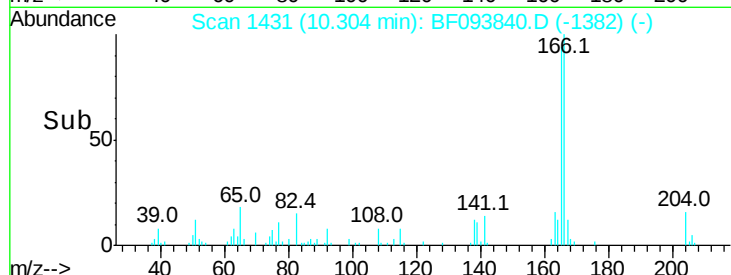
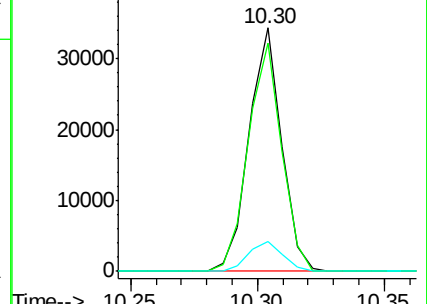
167 12.4 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 0.93 ng

RT: 10.03 min Scan# 1385

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Tgt Ion:232 Resp: 4653

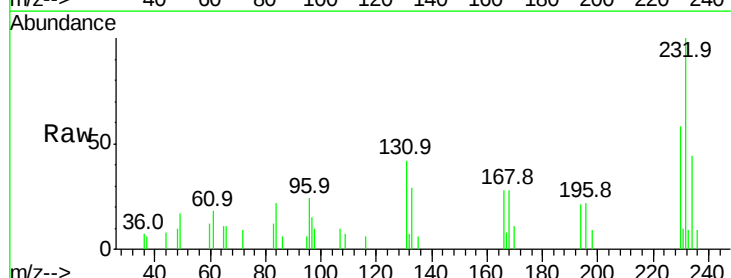
Ion Ratio Lower Upper

232 100

131 54.3 44.8 67.2

130 0.0 2.3 3.5#

166 33.4 29.0 43.4

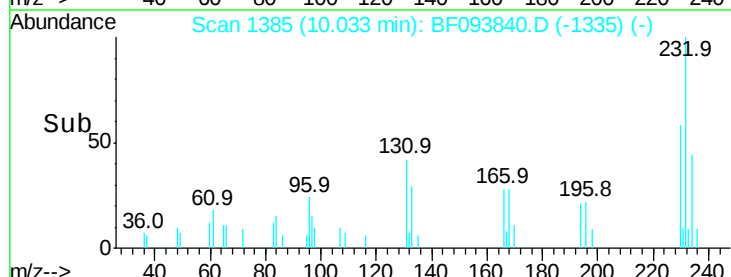
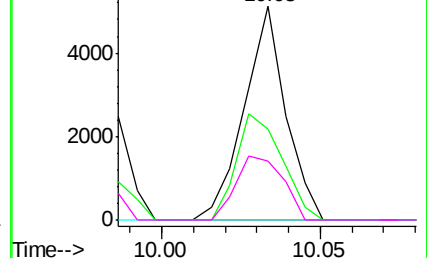


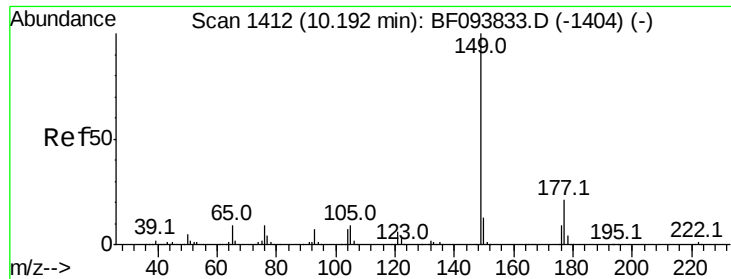
Abundance Ion 232.00 (231.70 to 232.70): E

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

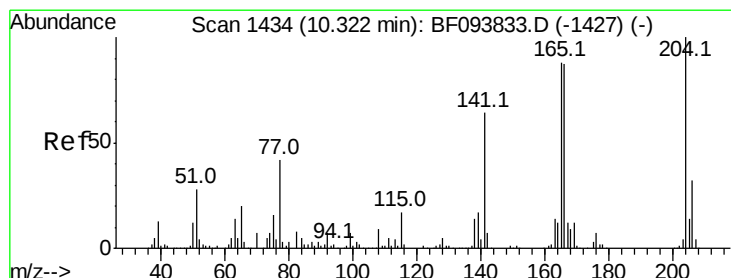
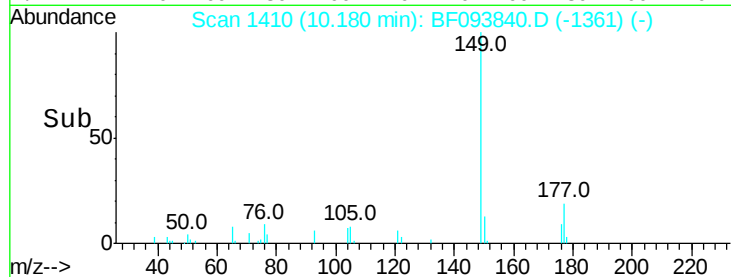
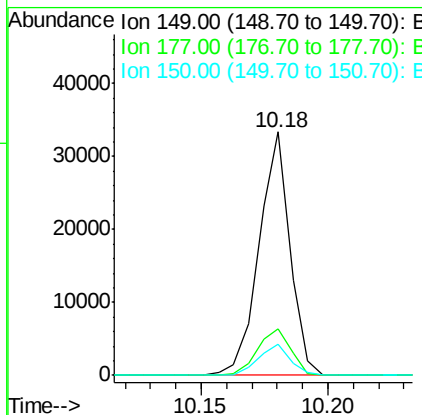
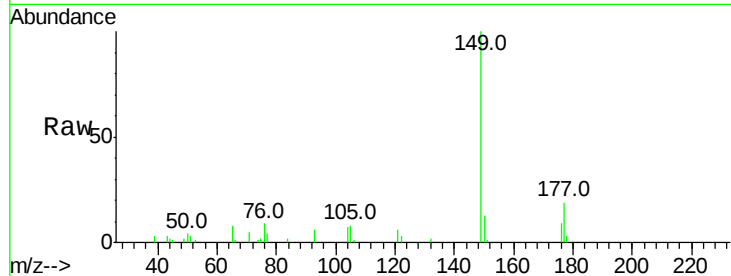




#59
Diethylphthalate
Concen: 1.17 ng
RT: 10.18 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

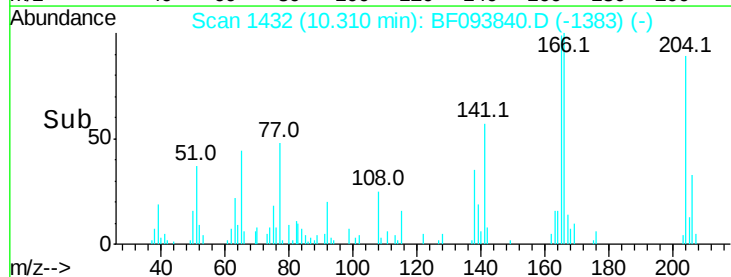
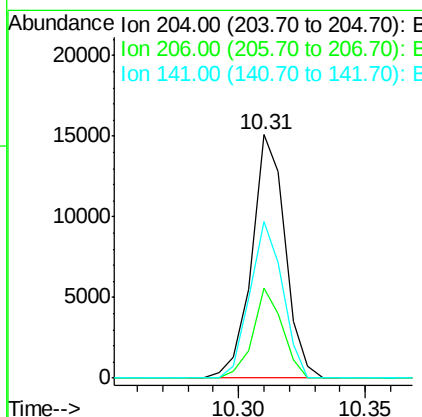
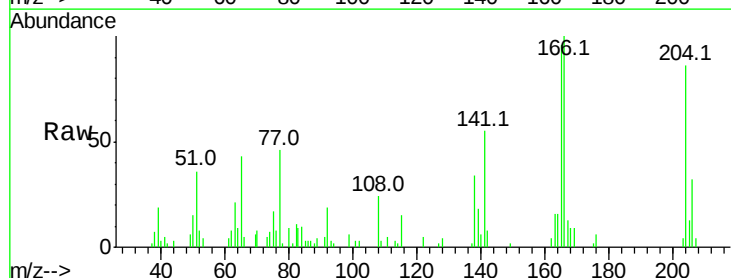
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

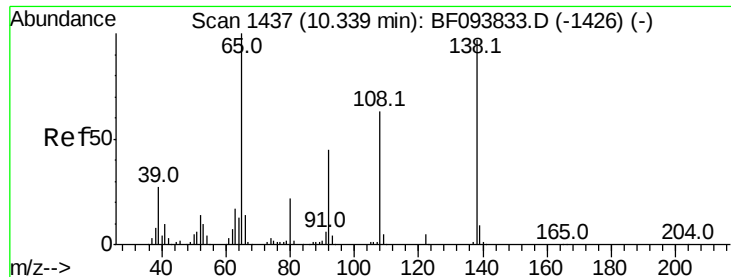
Tot Ion:149 Resp: 28427
Ion Ratio Lower Upper
149 100
177 19.2 16.7 25.1
150 12.6 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 1.36 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:204 Resp: 13886
Ion Ratio Lower Upper
204 100
206 36.8 26.2 39.2
141 64.1 60.8 91.2

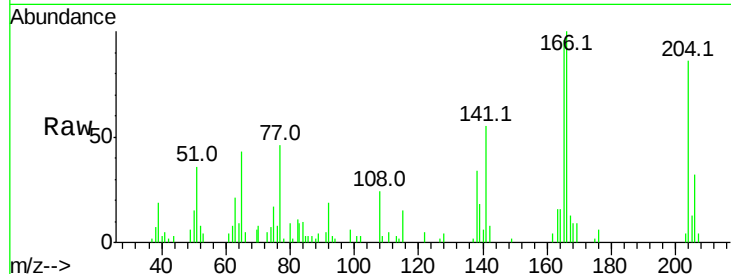




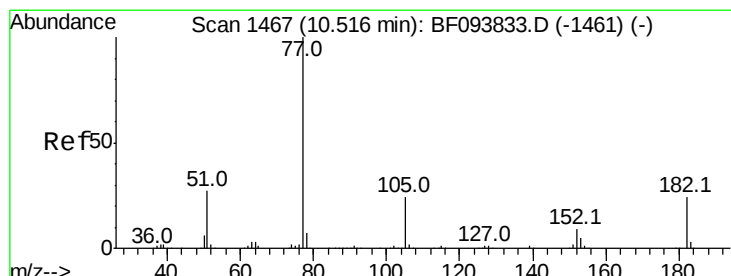
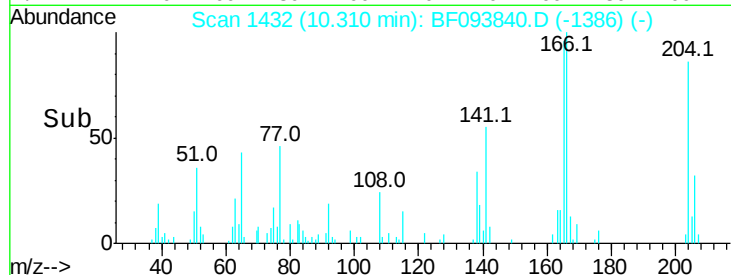
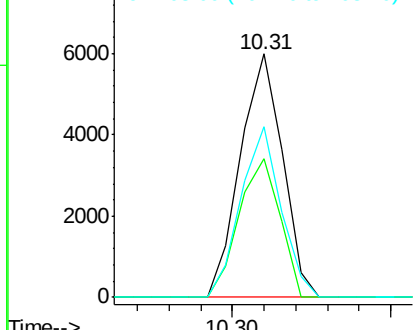
#61
4-Nitroaniline
Concen: 0.87 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.03 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:138 Resp: 5542
Ion Ratio Lower Upper
138 100
92 56.8 21.8 61.8
108 70.0 42.3 82.3

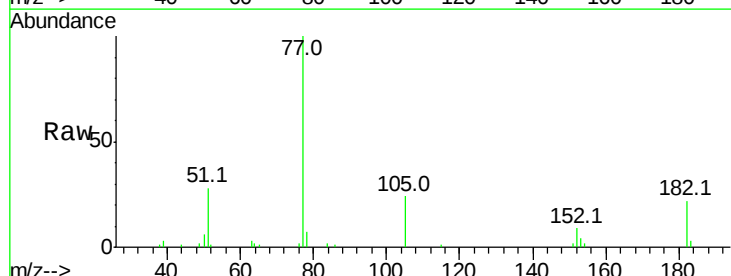


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

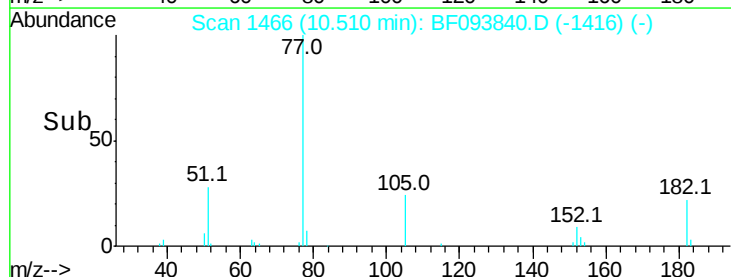
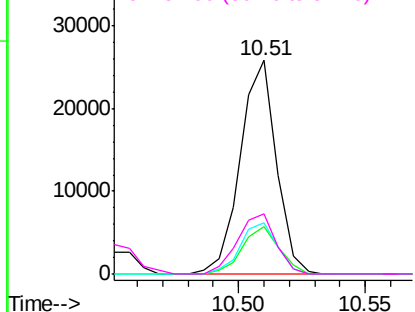


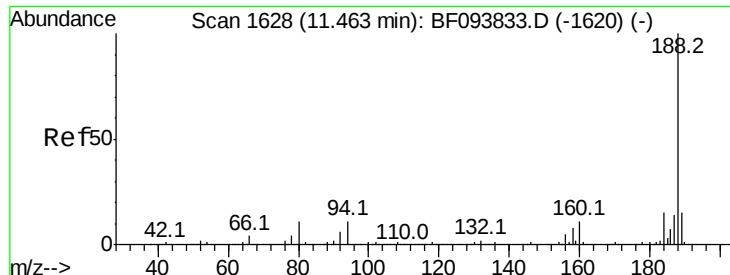
#62
Azobenzene
Concen: 1.11 ng
RT: 10.51 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion: 77 Resp: 25450
Ion Ratio Lower Upper
77 100
182 22.5 0.1 40.1
105 24.0 3.6 43.6
51 28.4 9.4 49.4



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: 11.46 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

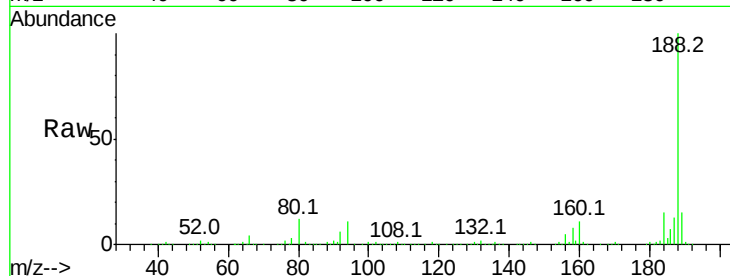
Tot Ion:188 Resp: 616783

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

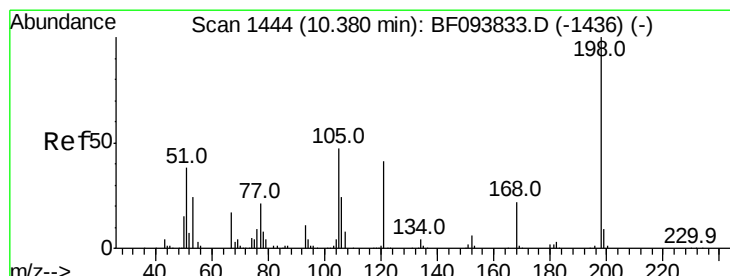
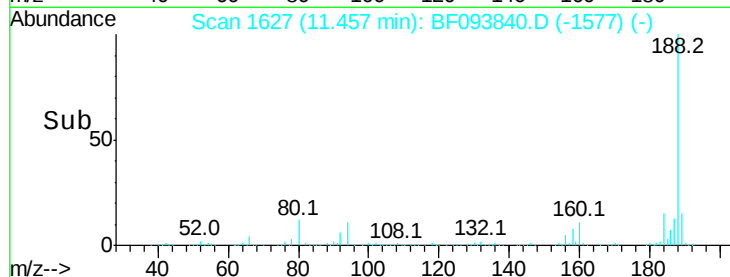
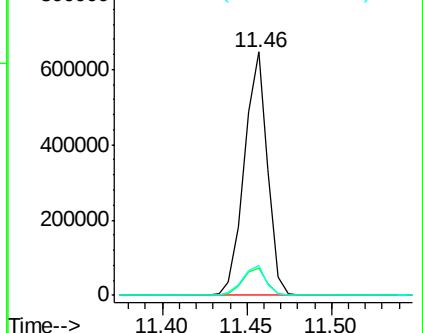
80 12.1 10.2 15.2



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: 0.37 ng

RT: 10.36 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

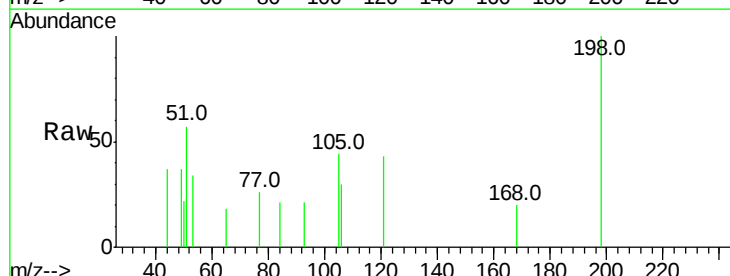
Tgt Ion:198 Resp: 1389

Ion Ratio Lower Upper

198 100

51 56.6 53.2 93.2

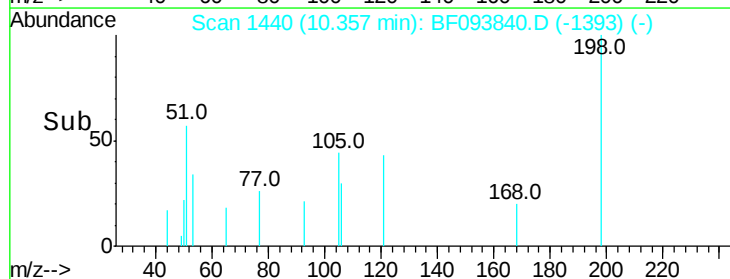
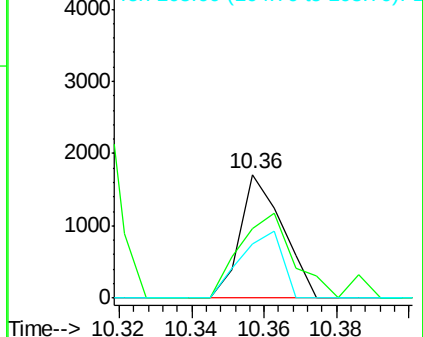
105 43.8 45.8 85.8#

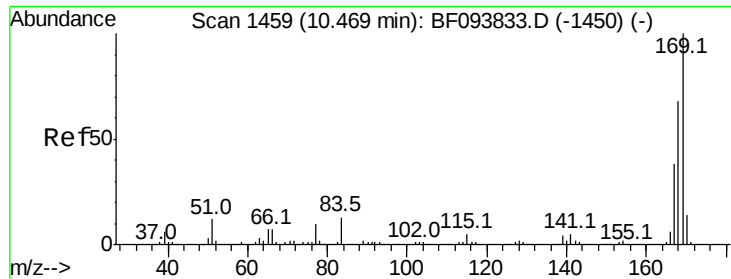


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

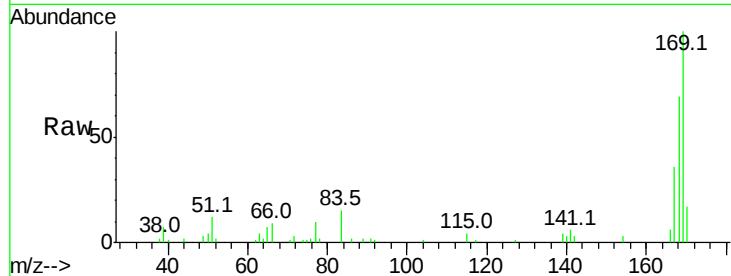




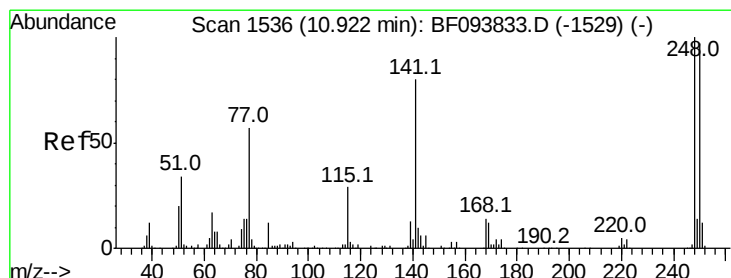
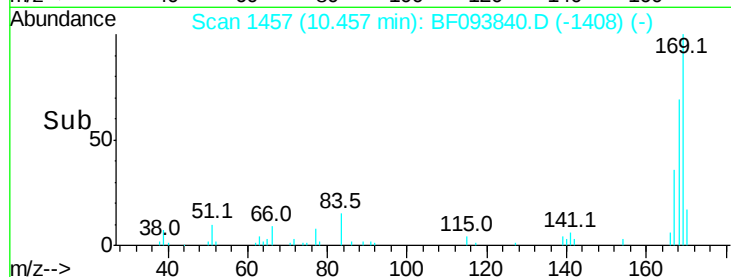
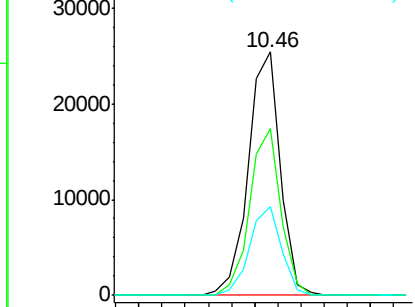
#65
 n-Nitrosodiphenylamine
 Concen: 1.15 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:169 Resp: 24630
 Ion Ratio Lower Upper
 169 100
 168 68.6 53.2 79.8
 167 36.4 29.5 44.3

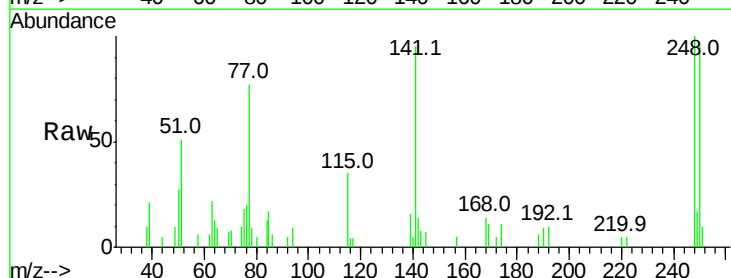


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

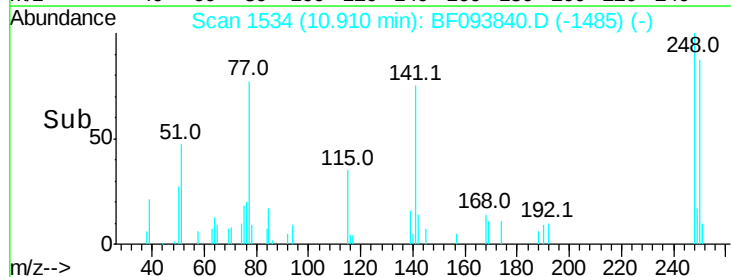
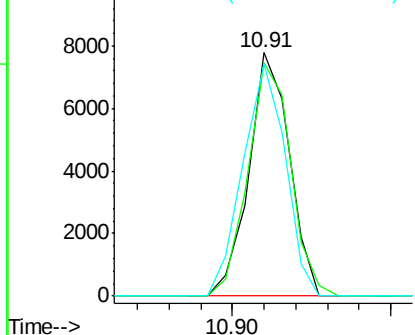


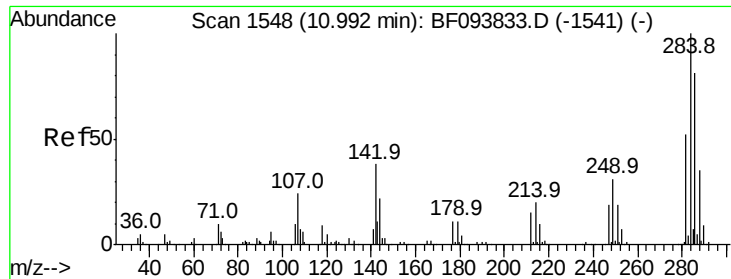
#66
 4-Bromophenyl-phenylether
 Concen: 1.14 ng
 RT: 10.91 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Tgt Ion:248 Resp: 6897
 Ion Ratio Lower Upper
 248 100
 250 95.8 76.8 115.2
 141 95.2 68.6 103.0



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

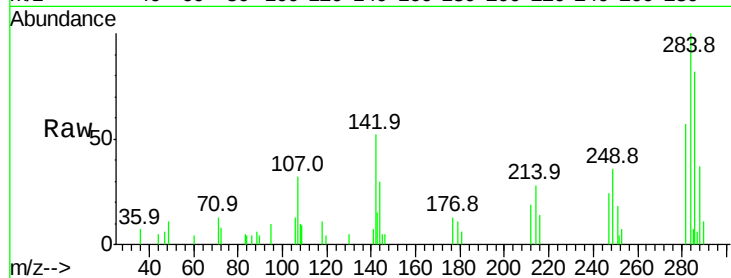




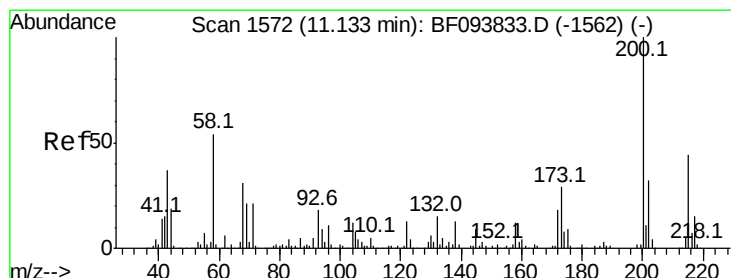
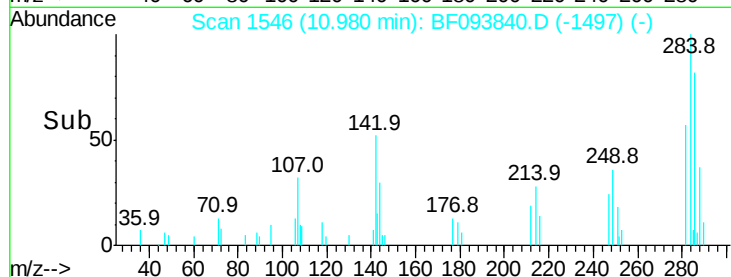
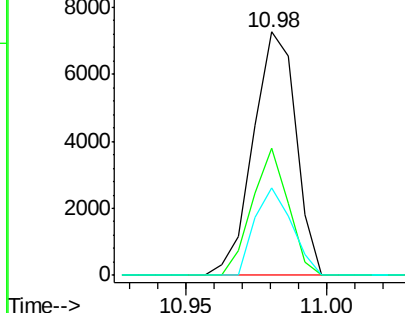
#67
Hexachlorobenzene
Concen: 1.24 ng
RT: 10.98 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:284 Resp: 7611
Ion Ratio Lower Upper
284 100
142 52.3 22.8 34.2#
249 36.1 24.0 36.0#

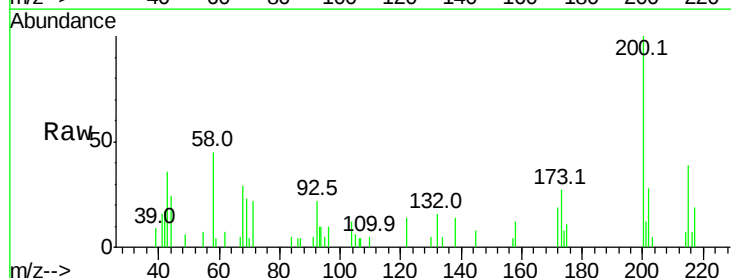


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

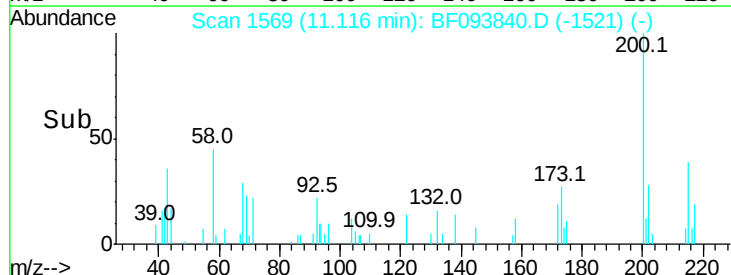
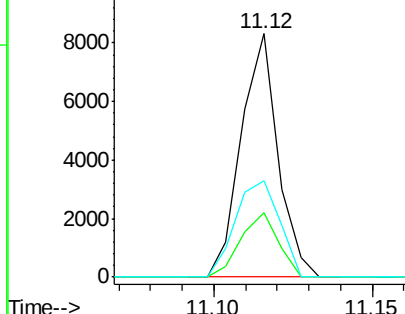


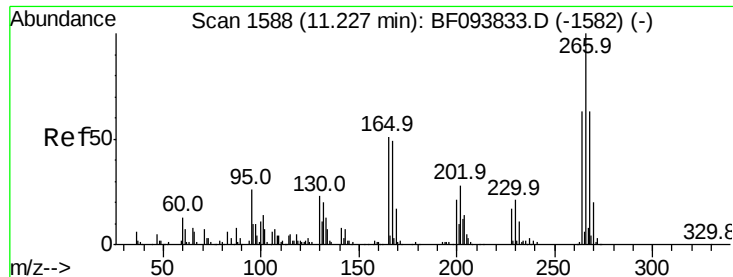
#68
Atrazine
Concen: 1.04 ng
RT: 11.12 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:200 Resp: 6673
Ion Ratio Lower Upper
200 100
173 26.6 6.3 46.3
215 39.4 27.2 67.2



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

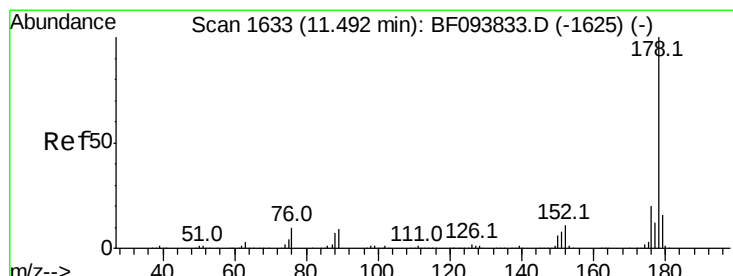
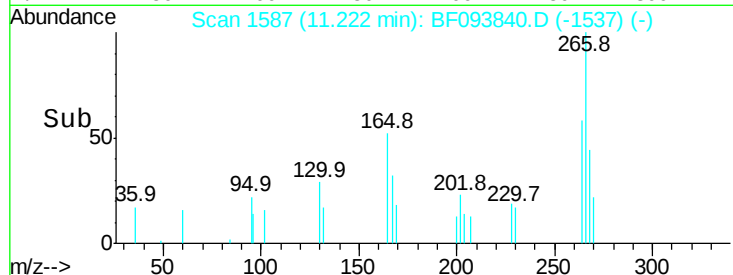
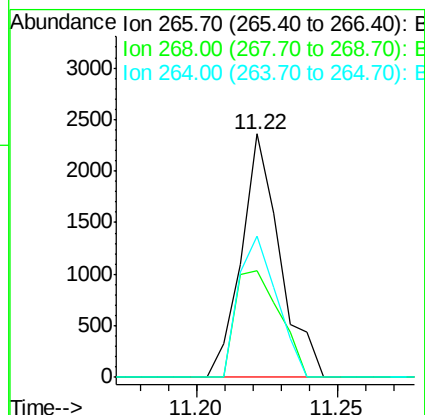
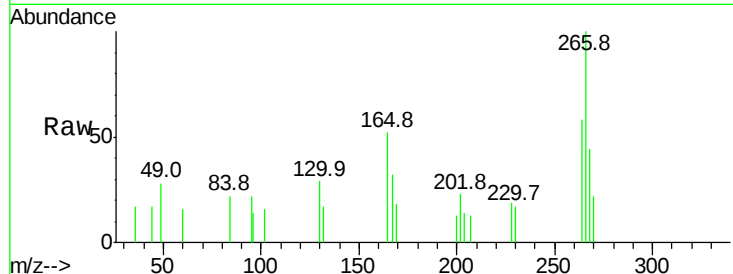




#69
 Pentachlorophenol
 Concen: 0.58 ng
 RT: 11.22 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

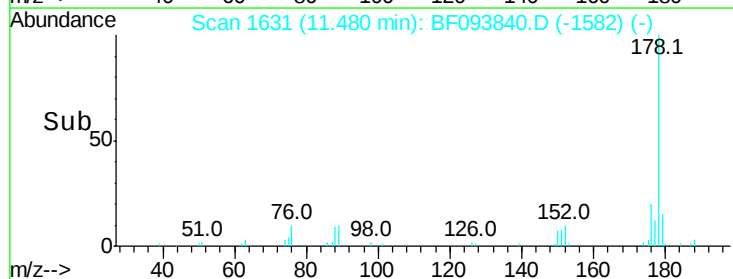
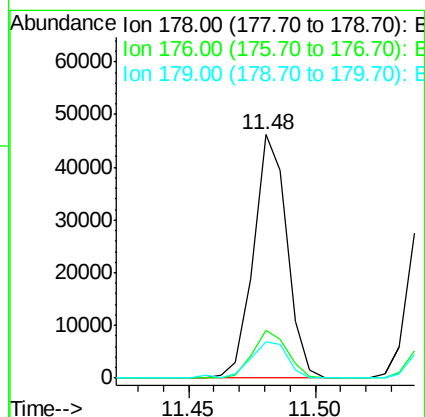
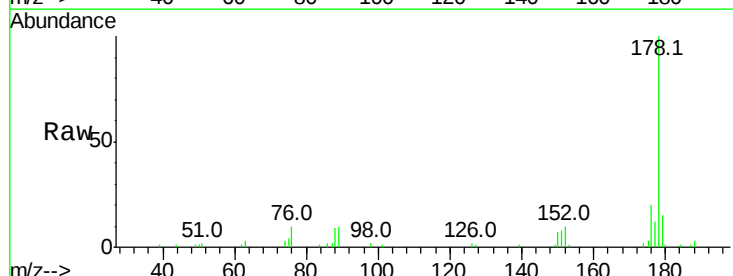
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

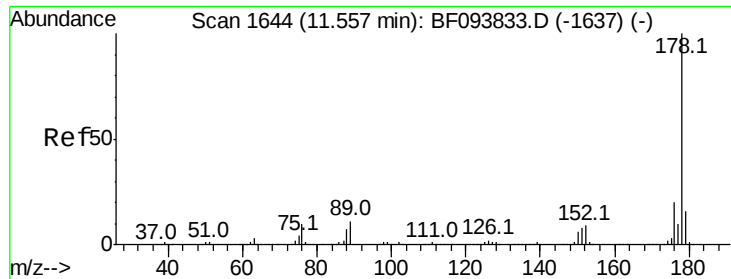
Tot Ion	Ratio	Lower	Upper
266	100		
268	43.6	51.1	76.7#
264	58.2	51.7	77.5



#70
 Phenanthrene
 Concen: 1.24 ng
 RT: 11.48 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	14.8	12.6	19.0





#71

Anthracene

Concen: 1.22 ng

RT: 11.55 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

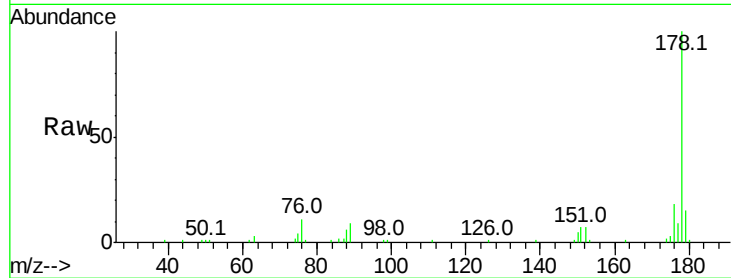
Tot Ion:178 Resp: 43082

Ion Ratio Lower Upper

178 100

176 18.0 15.8 23.8

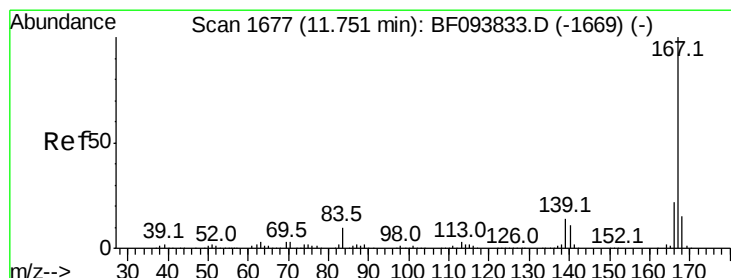
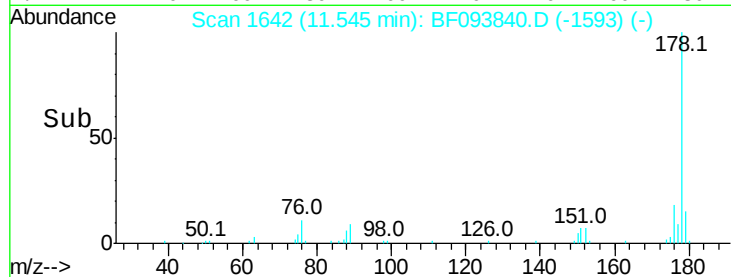
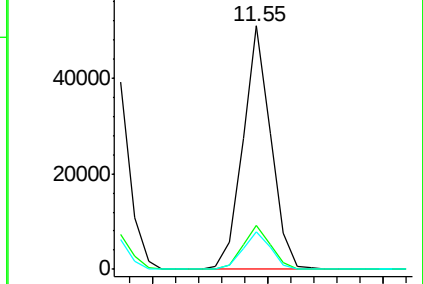
179 15.2 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 1.12 ng

RT: 11.74 min Scan# 1675

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

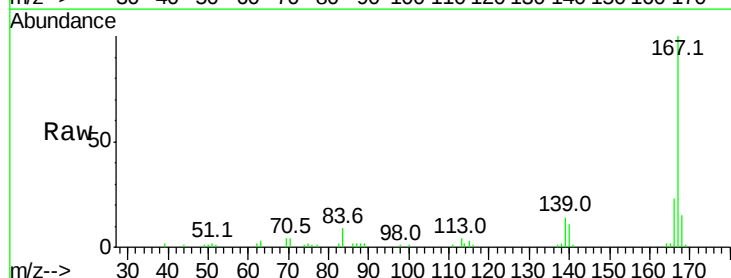
Tgt Ion:167 Resp: 40733

Ion Ratio Lower Upper

167 100

166 23.1 18.1 27.1

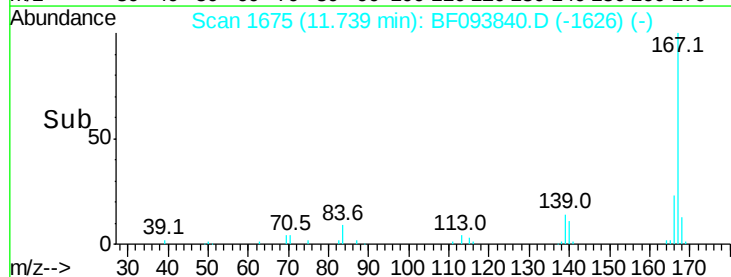
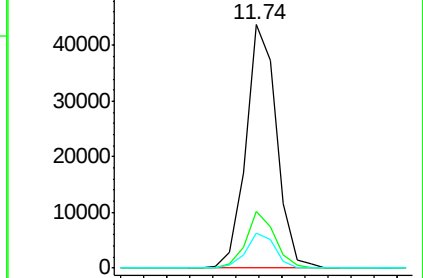
139 14.2 11.7 17.5

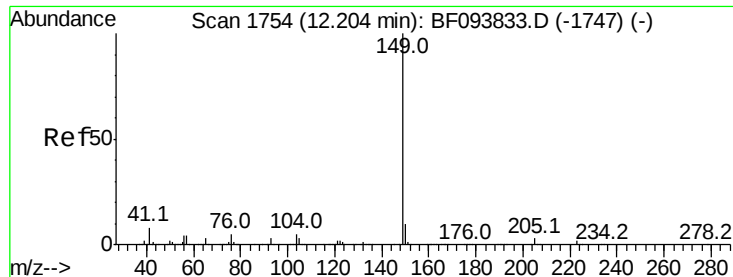


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

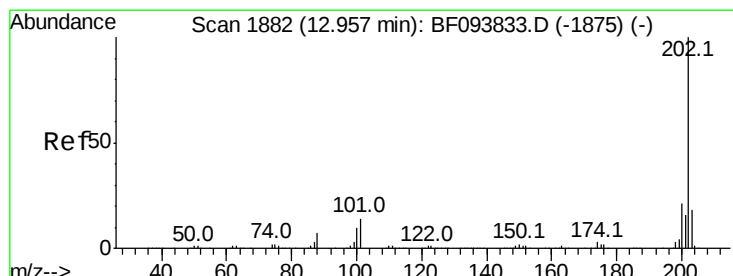
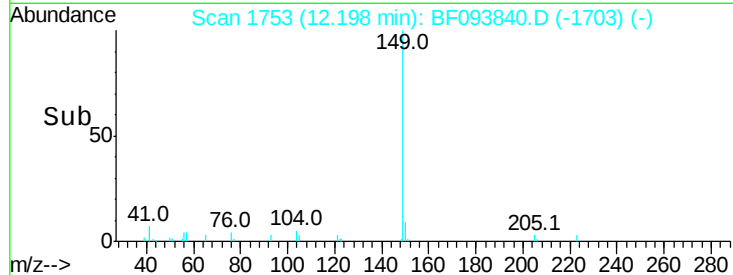
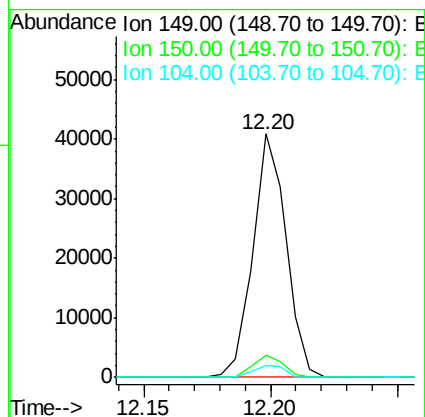
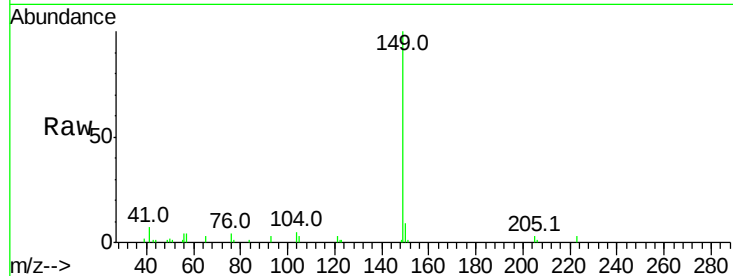




#73
Di-n-butylphthalate
Concen: 0.99 ng
RT: 12.20 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

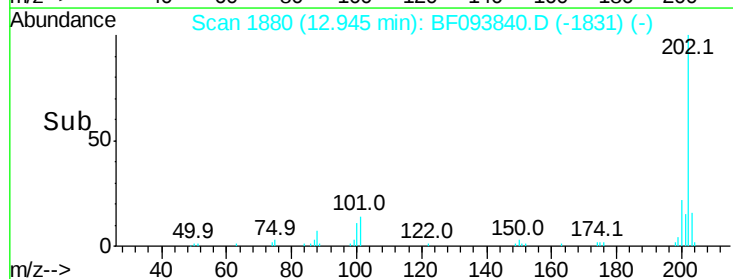
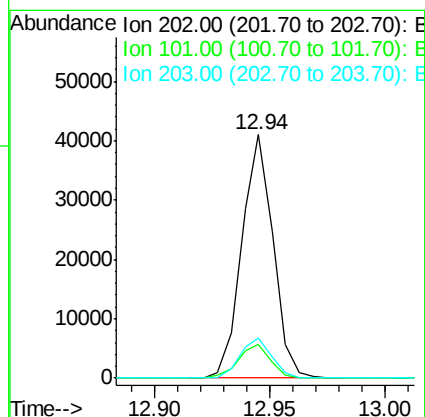
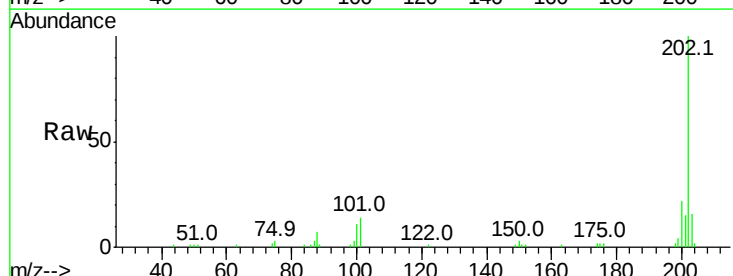
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

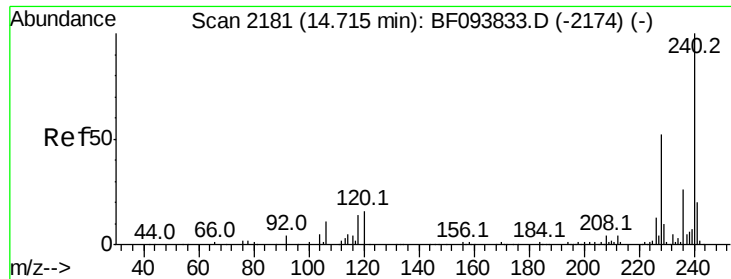
Tot Ion:149 Resp: 37327
Ion Ratio Lower Upper
149 100
150 9.1 7.7 11.5
104 4.9 4.0 6.0



#74
Fluoranthene
Concen: 1.10 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:202 Resp: 38739
Ion Ratio Lower Upper
202 100
101 14.0 0.0 33.2
203 16.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

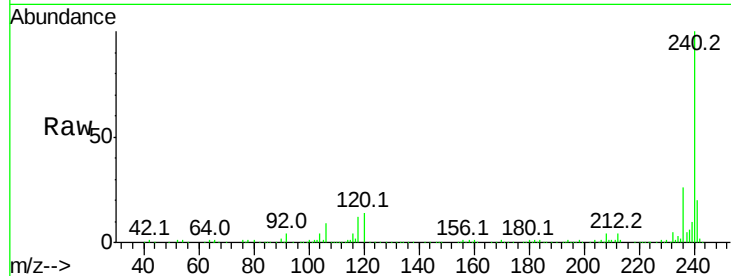
Tot Ion:240 Resp: 524018

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

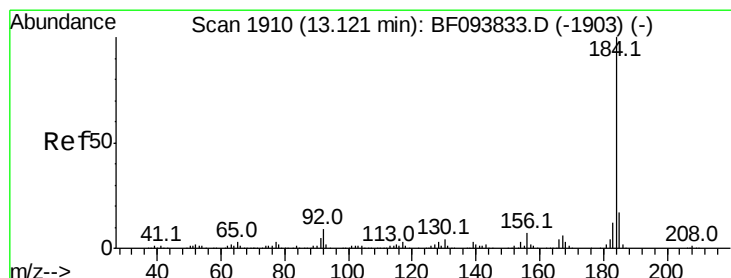
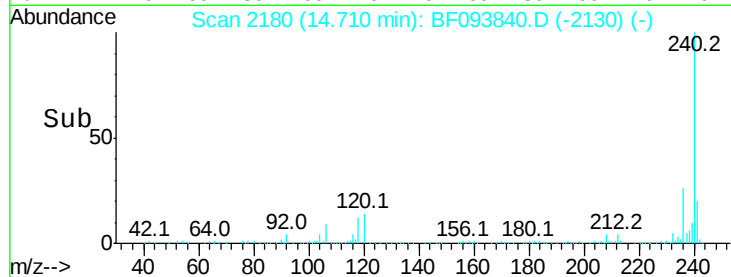
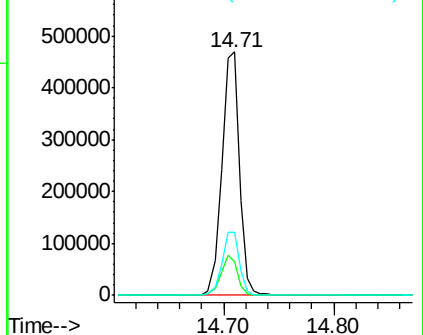
236 26.2 20.5 30.7



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: 0.67 ng

RT: 13.11 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

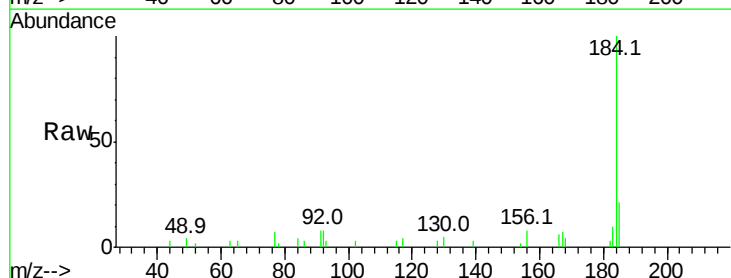
Tgt Ion:184 Resp: 13938

Ion Ratio Lower Upper

184 100

185 20.6 15.5 23.3

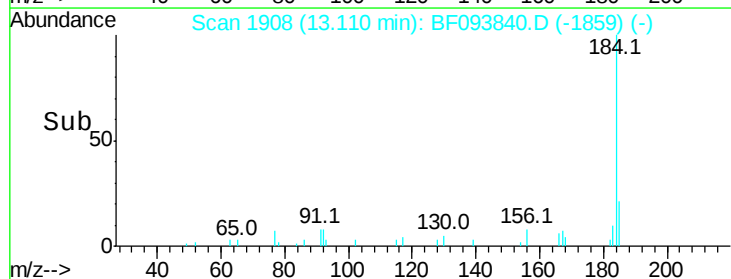
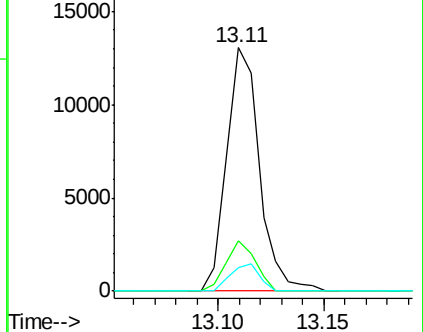
183 9.5 9.8 14.6#

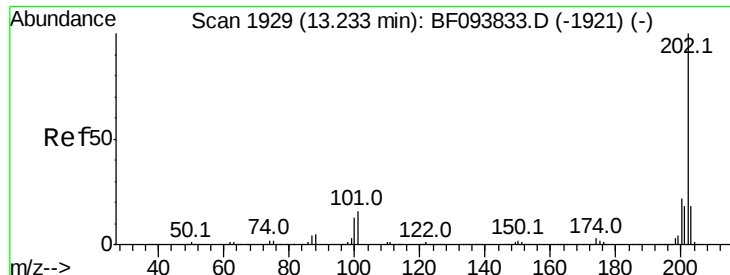


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

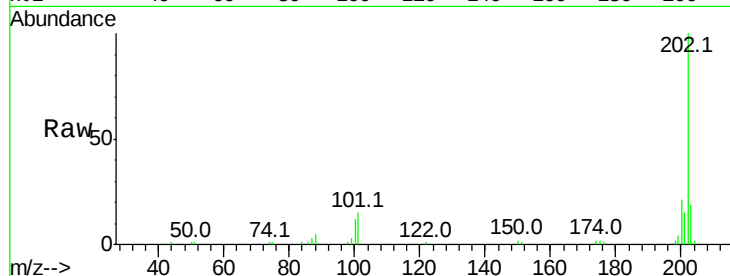




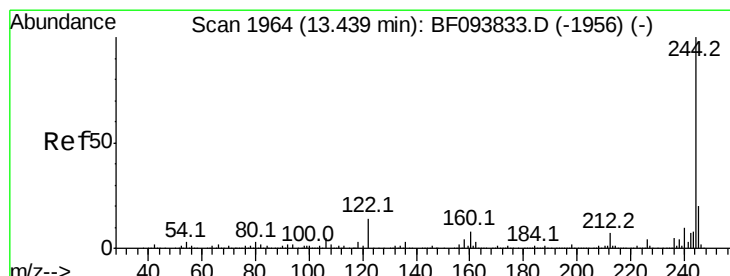
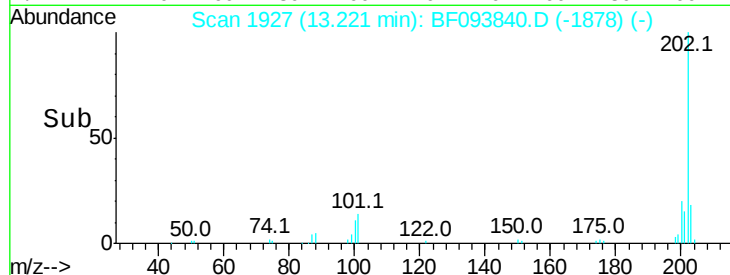
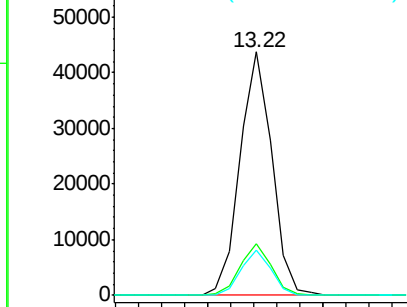
#77
Pvrene
Concen: 1.11 ng
RT: 13.22 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:202 Resp: 42359
Ion Ratio Lower Upper
202 100
200 21.0 17.6 26.4
203 18.6 14.4 21.6

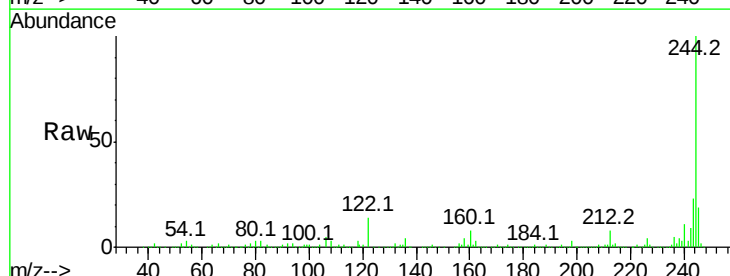


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

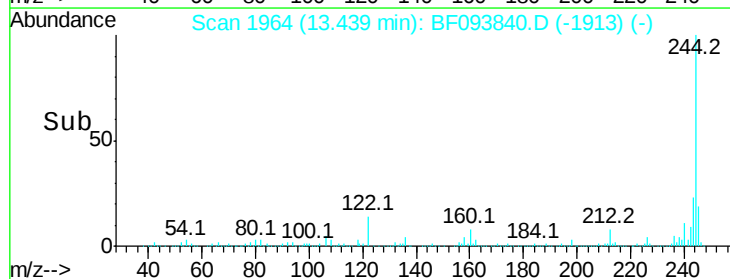
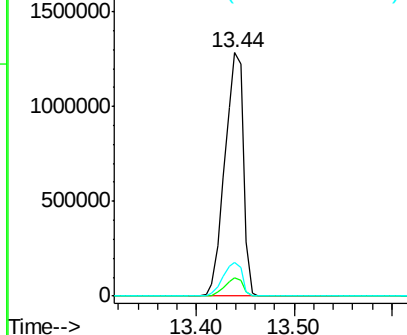


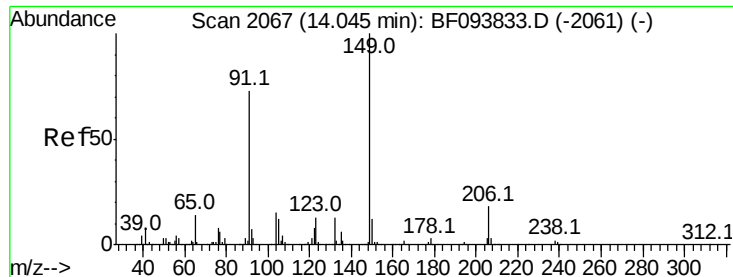
#78
Terphenyl-d14
Concen: 72.36 ng
RT: 13.44 min Scan# 1964
Delta R.T. 0.00 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:244 Resp: 1691683
Ion Ratio Lower Upper
244 100
212 7.5 6.0 9.0
122 14.0 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

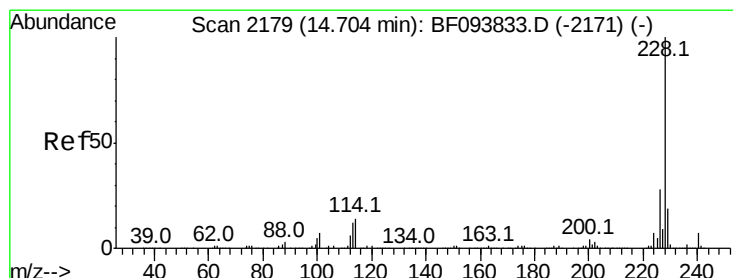
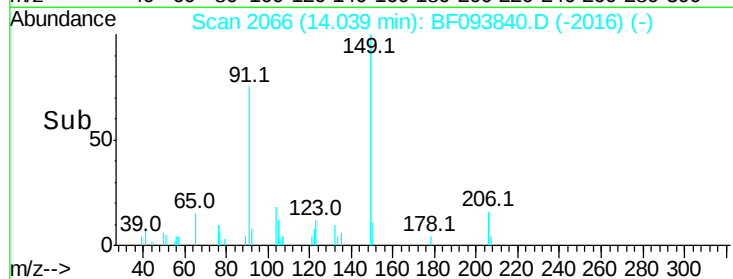
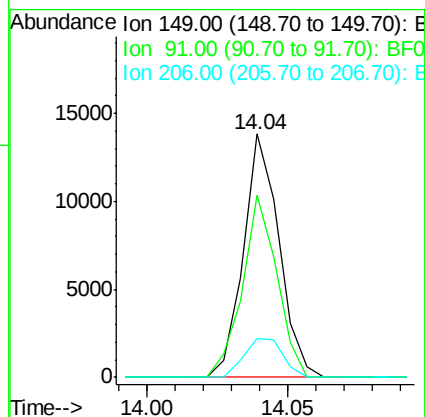
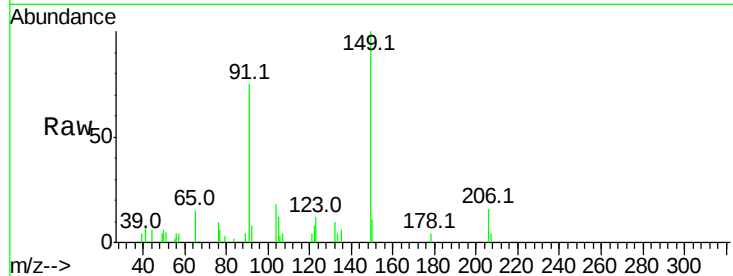




#79
Butylbenzylphthalate
Concen: 0.75 ng
RT: 14.04 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

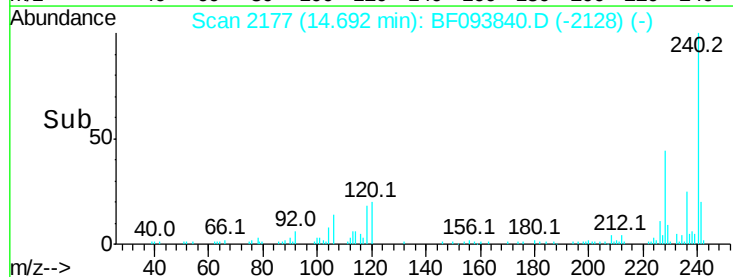
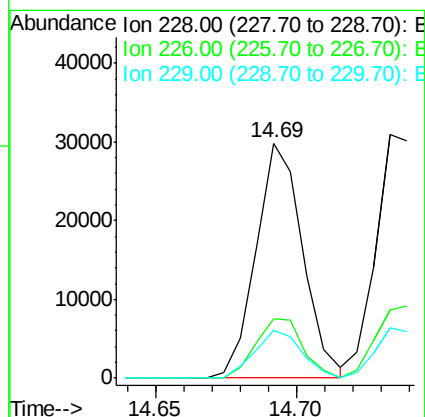
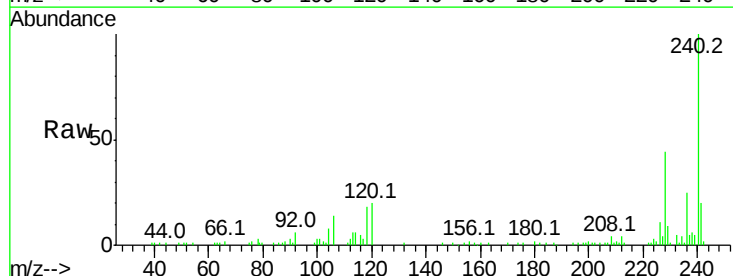
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

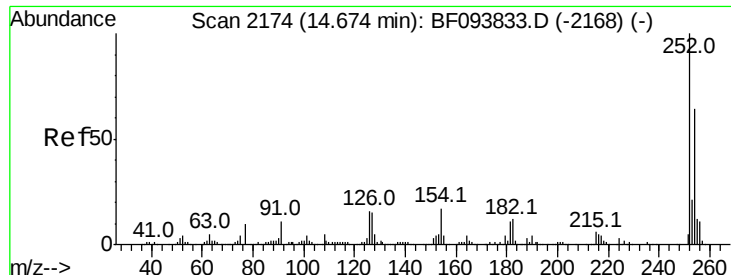
Tot Ion:149 Resp: 12084
Ion Ratio Lower Upper
149 100
91 75.0 45.0 67.4#
206 15.9 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 1.12 ng
RT: 14.69 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF093840.D
Acq: 22 Mar 2017 18:56

Tgt Ion:228 Resp: 34086
Ion Ratio Lower Upper
228 100
226 25.2 22.6 33.8
229 20.4 16.3 24.5

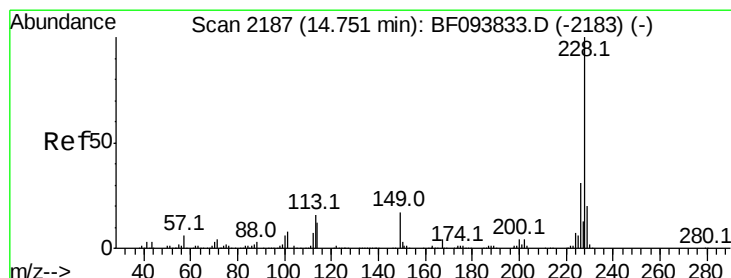
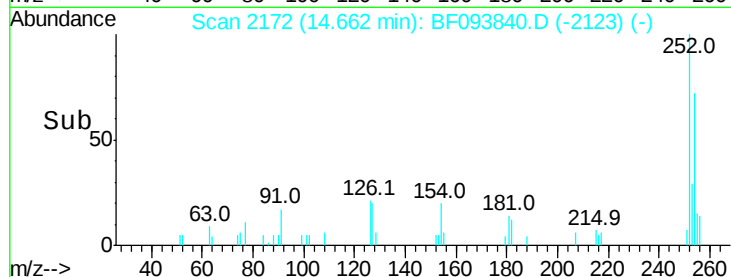
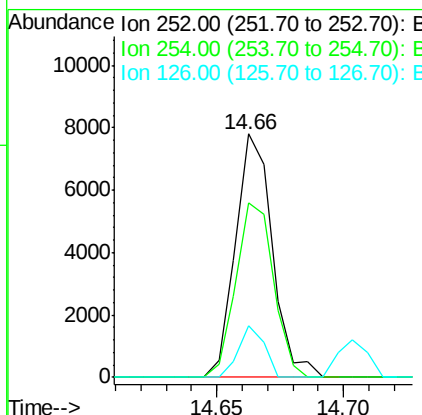
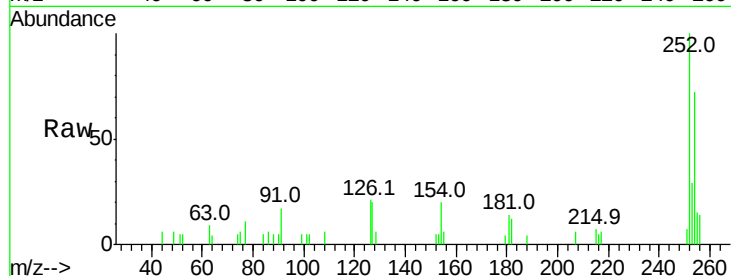




#81
 3,3'-Dichlorobenzidine
 Concen: 0.72 ng
 RT: 14.66 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

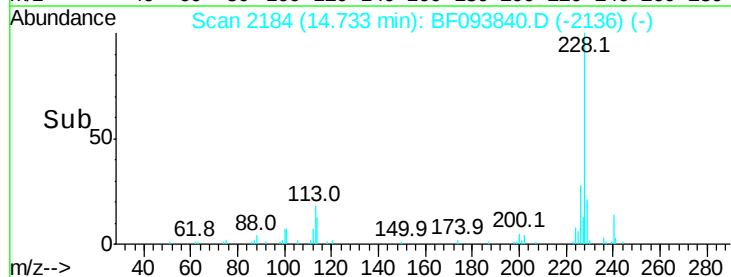
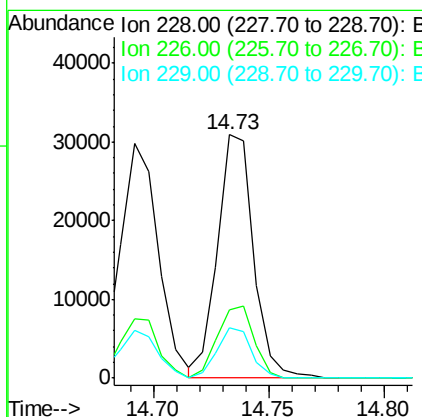
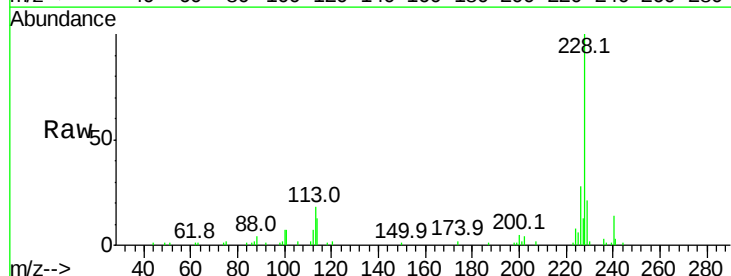
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

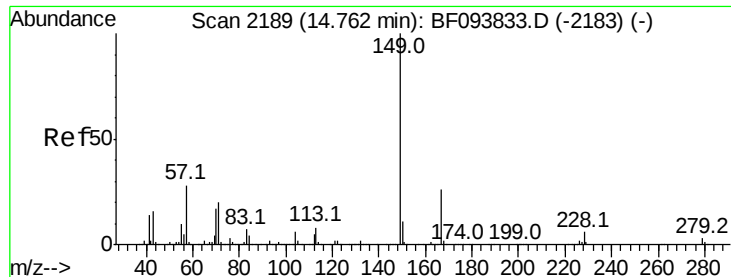
Tot Ion:252 Resp: 7868
 Ion Ratio Lower Upper
 252 100
 254 71.5 51.5 77.3
 126 21.1 15.8 23.8



#82
 Chrysene
 Concen: 1.18 ng
 RT: 14.73 min Scan# 2184
 Delta R.T. -0.02 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Tgt Ion:228 Resp: 33587
 Ion Ratio Lower Upper
 228 100
 226 27.9 24.9 37.3
 229 20.9 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 0.93 ng

RT: 14.76 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

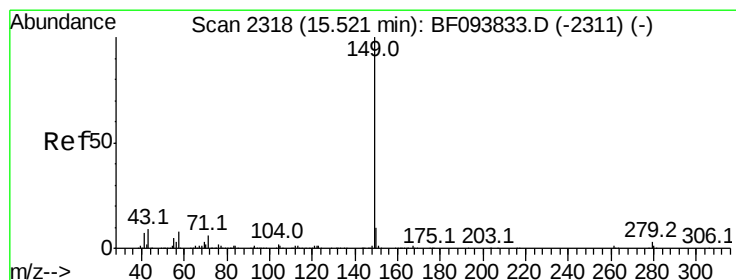
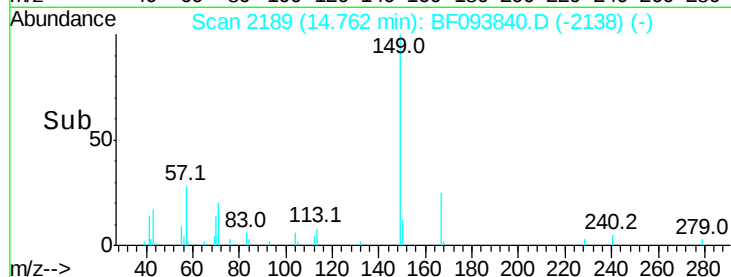
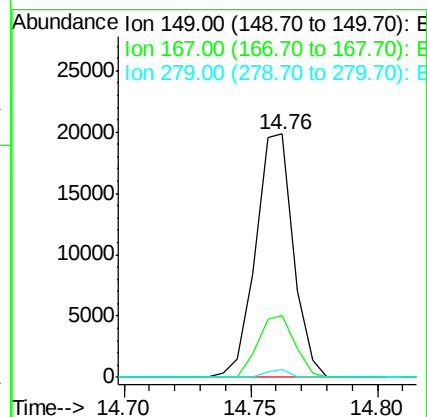
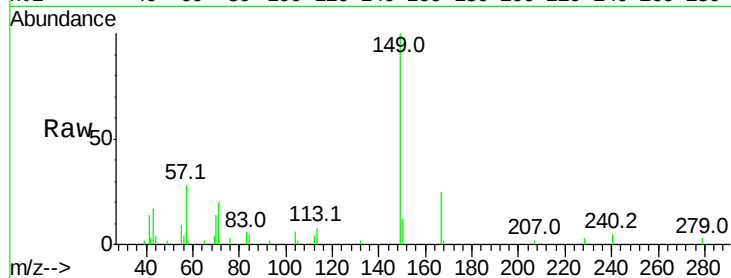
Tot Ion:149 Resp: 20475

Ion Ratio Lower Upper

149 100

167 25.3 21.0 31.4

279 3.3 1.9 2.9#



#84

Di-n-octyl phthalate

Concen: 0.71 ng

RT: 15.51 min Scan# 2316

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

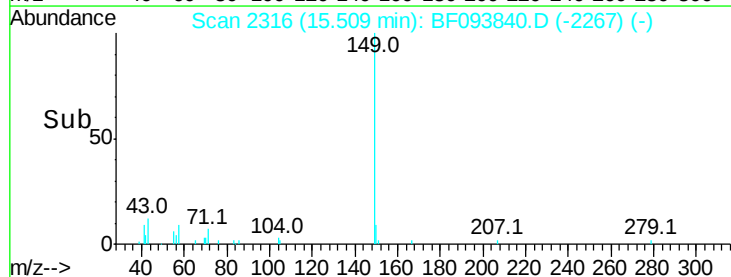
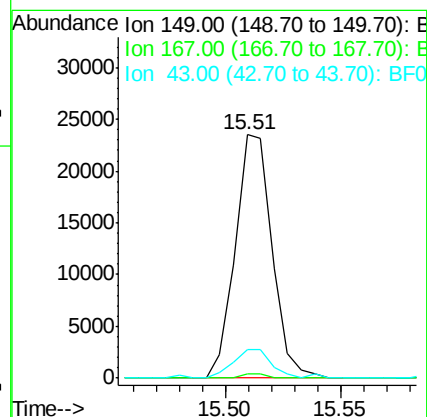
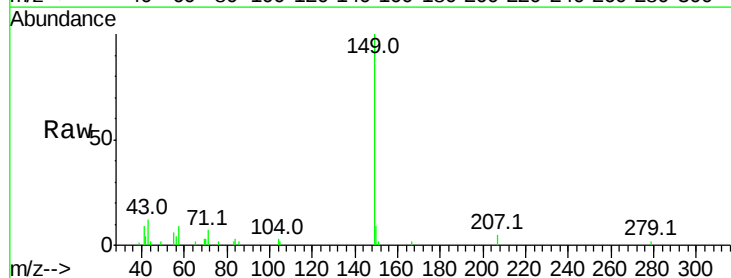
Tgt Ion:149 Resp: 26150

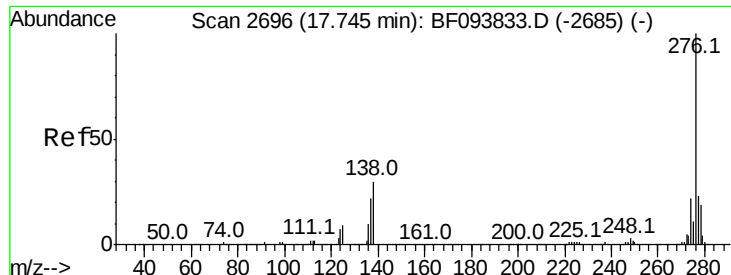
Ion Ratio Lower Upper

149 100

167 1.1 1.2 1.8#

43 12.6 8.5 12.7

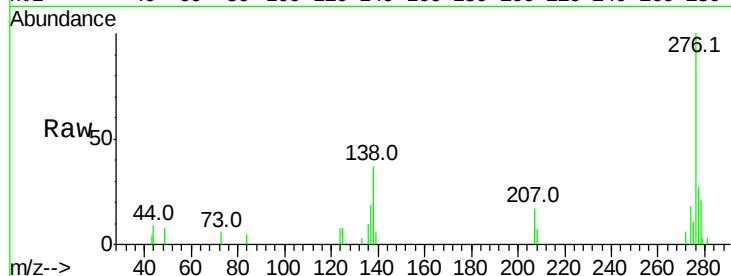




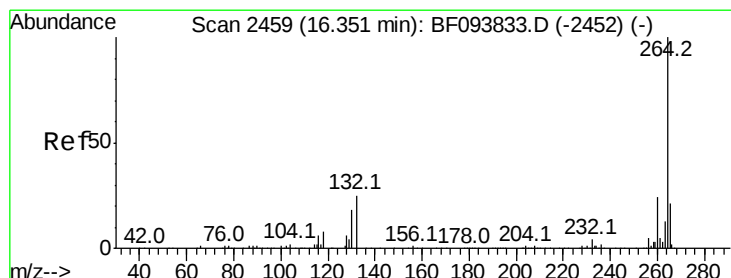
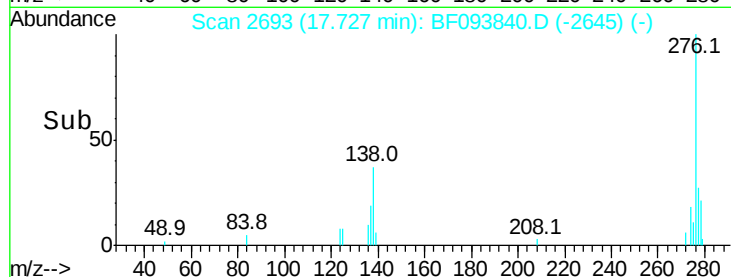
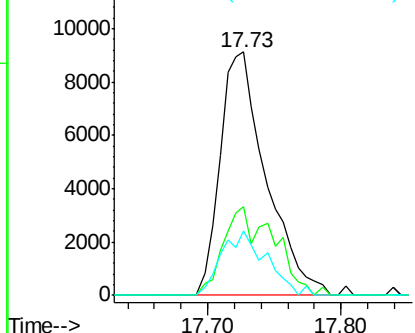
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.89 ng
 RT: 17.73 min Scan# 2693
 Delta R.T. -0.02 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:276 Resp: 21934
 Ion Ratio Lower Upper
 276 100
 138 40.1 27.8 41.6
 277 26.0 20.2 30.4

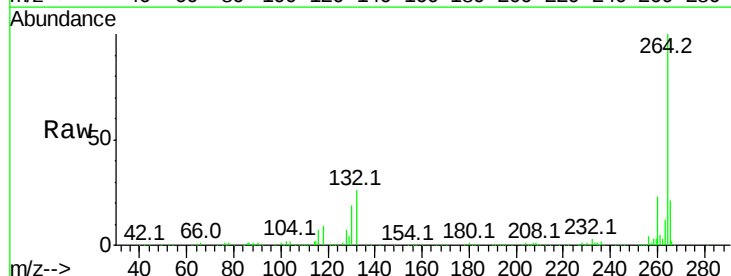


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

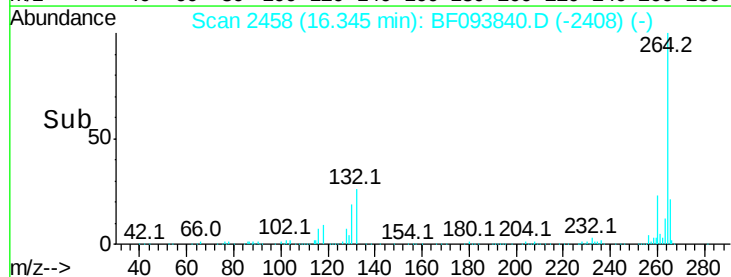
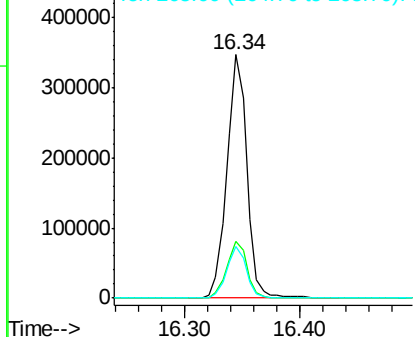


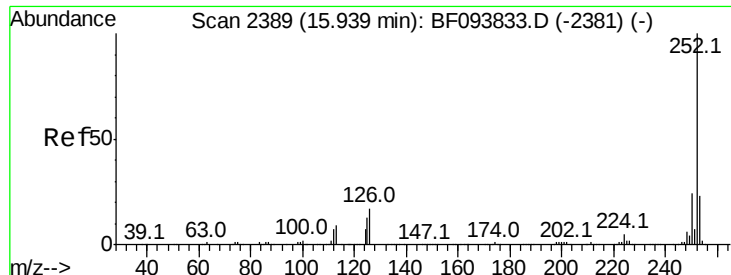
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.34 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Tgt Ion:264 Resp: 416014
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 1.08 ng

RT: 15.92 min Scan# 2386

Delta R.T. -0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

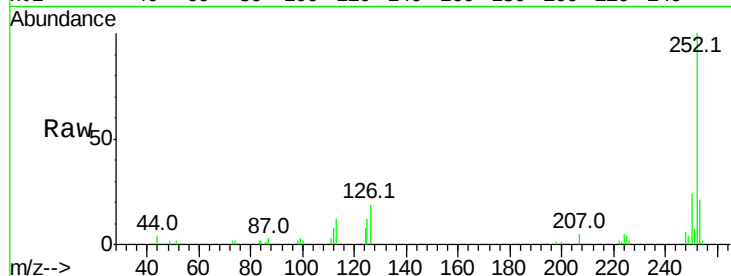
Tot Ion:252 Resp: 27439

Ion Ratio Lower Upper

252 100

253 20.7 18.1 27.1

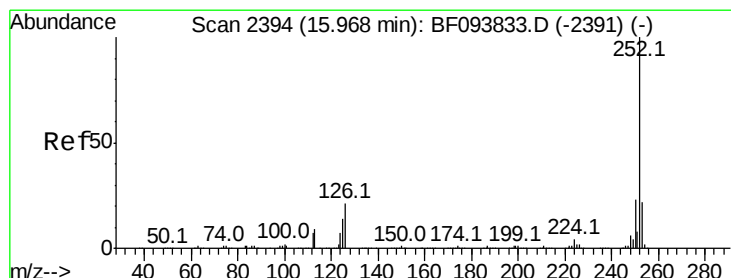
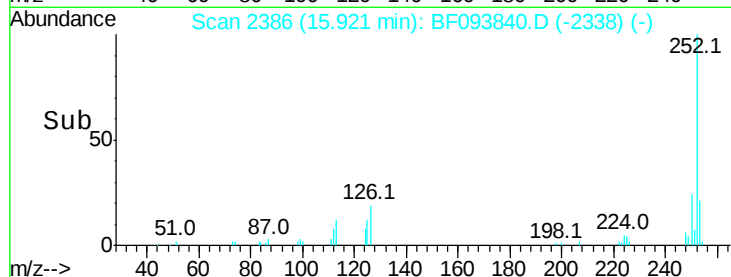
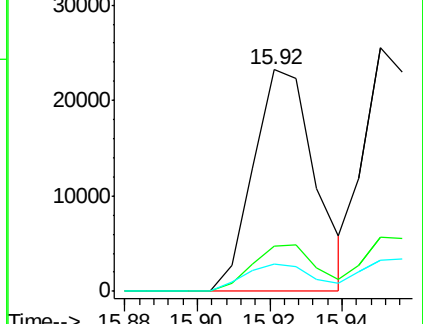
125 12.3 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 1.09 ng

RT: 15.95 min Scan# 2391

Delta R.T. -0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

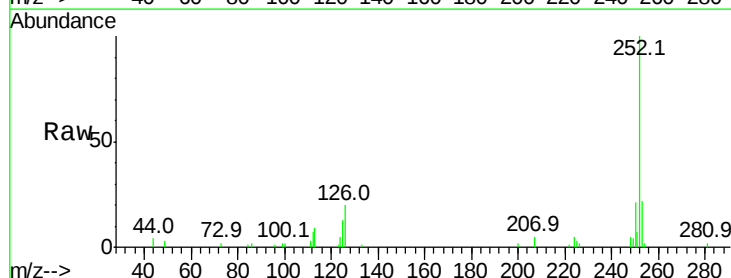
Tgt Ion:252 Resp: 27331

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

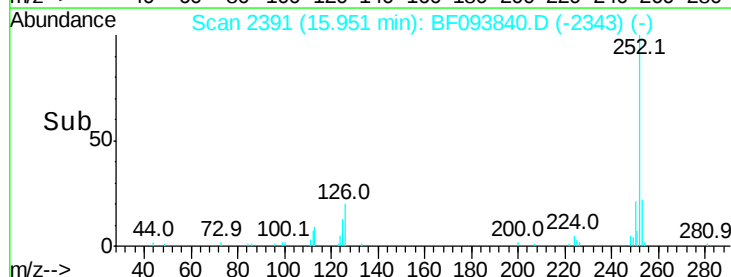
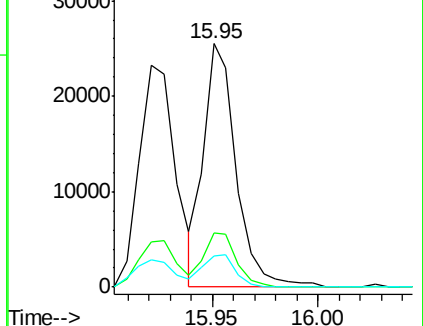
125 12.6 13.1 19.7#

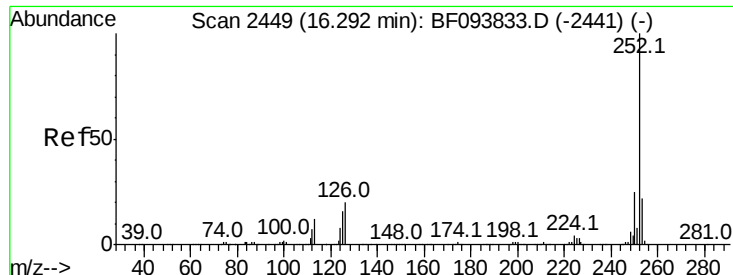


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 1.06 ng

RT: 16.28 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

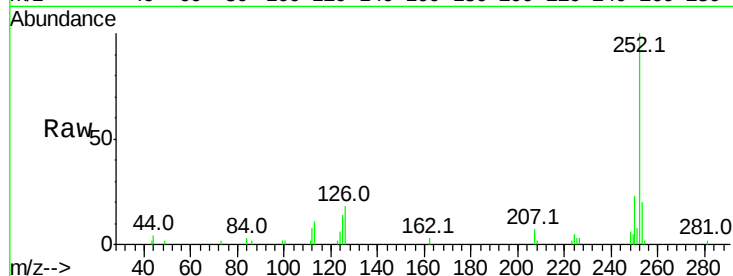
Tot Ion:252 Resp: 24954

Ion Ratio Lower Upper

252 100

253 20.1 17.5 26.3

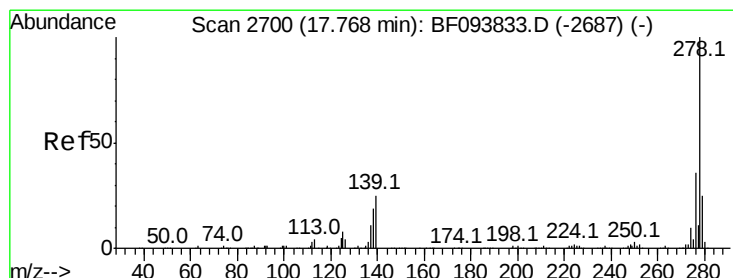
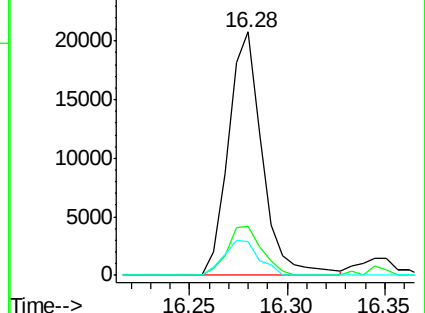
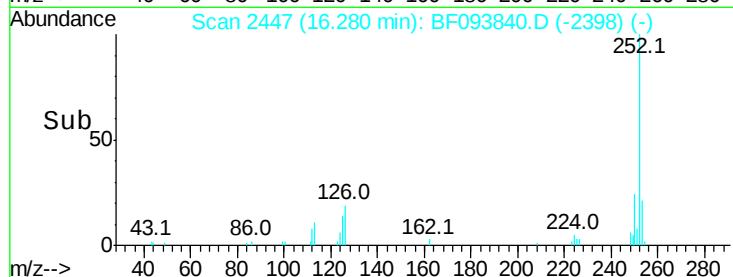
125 13.8 11.0 16.4



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



#90

Dibenzo(a,h)anthracene

Concen: 0.97 ng

RT: 17.75 min Scan# 2697

Delta R.T. -0.02 min

Lab File: BF093840.D

Acq: 22 Mar 2017 18:56

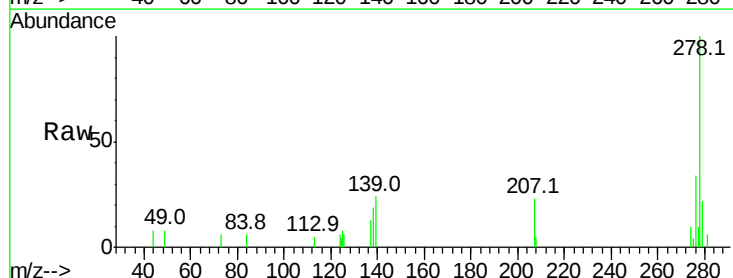
Tgt Ion:278 Resp: 19286

Ion Ratio Lower Upper

278 100

139 23.9 16.6 24.8

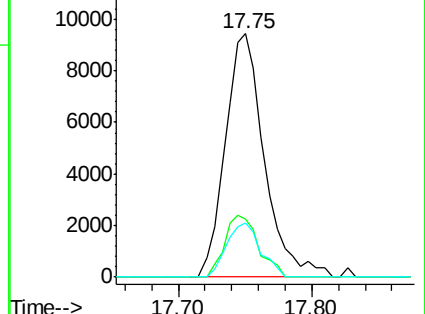
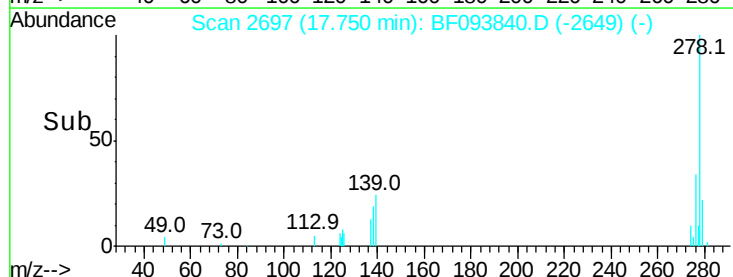
279 22.4 19.3 28.9

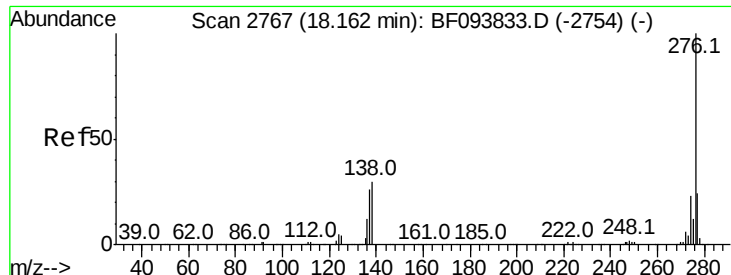


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

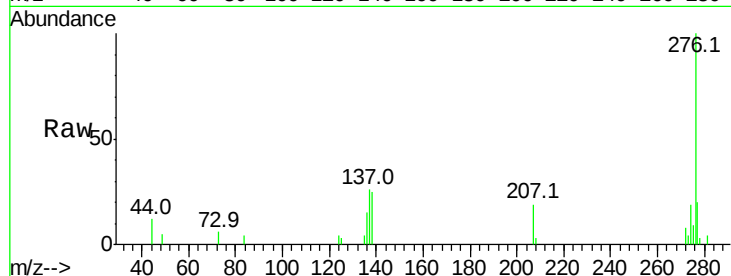




#91
 Benzo(a,h,i)perylene
 Concen: 0.95 ng
 RT: 18.13 min Scan# 2761
 Delta R.T. -0.04 min
 Lab File: BF093840.D
 Acq: 22 Mar 2017 18:56

Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:276 Resp: 19061
 Ion Ratio Lower Upper
 276 100
 277 20.3 18.6 28.0
 138 24.9 25.4 38.0#



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

