

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093842.D
 Acq On : 22 Mar 2017 19:51
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 5 PPB
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 23 01:19:29 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	184165	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	756650	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	351615	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	629128	20.00	ng	0.00
75) Chrysene-d12	14.71	240	531307	20.00	ng	0.00
86) Perylene-d12	16.34	264	416117	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	1477497	135.50	ng	0.00
7) Phenol-d6	5.57	99	1814189	134.49	ng	0.00
23) Nitrobenzene-d5	6.63	82	1234540	93.11	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	407385	146.62	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	2148870	93.22	ng	0.00
78) Terphenyl-d14	13.44	244	1827802	77.11	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.37	88	31176	5.95	ng	96
3) Pyridine	2.89	79	77220	5.41	ng	94
4) n-Nitrosodimethylamine	2.80	42	33063	5.63	ng	93
6) Aniline	5.60	93	106911	5.70	ng	96
8) 2-Chlorophenol	5.74	128	69933	5.84	ng	96
9) Benzaldehyde	5.48	77	55046	6.04	ng	98
10) Phenol	5.58	94	86445	5.63	ng	93
11) bis(2-Chloroethyl)ether	5.69	93	71193	5.93	ng	100
12) 1,3-Dichlorobenzene	5.92	146	80984	6.02	ng	98
13) 1,4-Dichlorobenzene	6.00	146	83901	6.16	ng	97
14) 1,2-Dichlorobenzene	6.18	146	78309	6.25	ng	97
15) Benzyl Alcohol	6.14	79	56121	5.68	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.30	45	108925	5.89	ng	99
17) 2-Methylphenol	6.27	107	58328	5.68	ng	98
18) Hexachloroethane	6.58	117	27824	5.81	ng	# 83
19) n-Nitroso-di-n-propylamine	6.46	70	53841	6.21	ng	97
20) 3+4-Methylphenols	6.45	107	77692	6.25	ng	# 86
22) Acetophenone	6.45	105	105920	6.28	ng	# 94
24) Nitrobenzene	6.65	77	79890	6.11	ng	94
25) Isophorone	6.93	82	134459	5.77	ng	97
26) 2-Nitrophenol	7.03	139	31860	5.11	ng	96
27) 2,4-Dimethylphenol	7.08	122	60860	5.66	ng	99
28) bis(2-Chloroethoxy)methane	7.20	93	90702	5.90	ng	98
29) 2,4-Dichlorophenol	7.32	162	56990	5.67	ng	97
30) 1,2,4-Trichlorobenzene	7.42	180	61480	5.94	ng	96
31) Naphthalene	7.52	128	225332	6.19	ng	99
32) Benzoic acid	7.15	122	12453	1.74	ng	96
33) 4-Chloroaniline	7.57	127	86779	5.89	ng	# 92
34) Hexachlorobutadiene	7.67	225	31240	5.89	ng	96
35) Caprolactam	7.97	113	18263	5.70	ng	94
36) 4-Chloro-3-methylphenol	8.16	107	59727	5.69	ng	85
37) 2-Methylnaphthalene	8.36	142	151431	6.24	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.56	216	60299	6.27	ng	98
40) Hexachlorocyclopentadiene	8.56	237	22611	5.02	ng	96

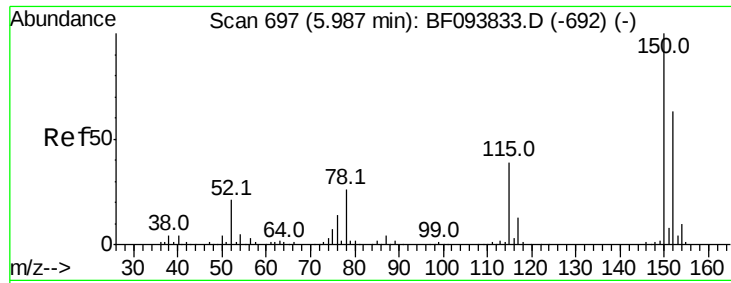
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.70	196	37332	5.49	nq	97
43) 2,4,5-Trichlorophenol	8.74	196	41377	5.62	nq	96
45) 1,1'-Biphenyl	8.93	154	181415	6.40	nq	98
46) 2-Chloronaphthalene	8.95	162	137692	6.20	nq	95
47) 2-Nitroaniline	9.06	65	36019	5.47	nq	92
48) Acenaphthylene	9.46	152	227277	6.16	nq	98
49) Dimethylphthalate	9.31	163	154455	6.18	nq	98
50) 2,6-Dinitrotoluene	9.37	165	31649	5.52	nq	# 80
51) Acenaphthene	9.67	154	133761	6.21	nq	97
52) 3-Nitroaniline	9.57	138	37891	5.63	nq	86
53) 2,4-Dinitrophenol	9.70	184	7400	6.94	nq	# 72
54) Dibenzofuran	9.89	168	184596	6.30	nq	99
55) 4-Nitrophenol	9.77	139	25678	4.87	nq	# 70
56) 2,4-Dinitrotoluene	9.86	165	40358	5.61	nq	# 82
57) Fluorene	10.30	166	160494	6.60	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.03	232	29380	5.81	nq	97
59) Diethylphthalate	10.18	149	152539	6.17	nq	99
60) 4-Chlorophenyl-phenylether	10.32	204	69411	6.70	nq	# 87
61) 4-Nitroaniline	10.31	138	35298	5.47	nq	94
62) Azobenzene	10.51	77	139023	5.95	nq	96
64) 4,6-Dinitro-2-methylphenol	10.36	198	13946	3.62	nq	# 77
65) n-Nitrosodiphenylamine	10.46	169	132398	6.09	nq	99
66) 4-Bromophenyl-phenylether	10.92	248	36219	5.85	nq	94
67) Hexachlorobenzene	10.98	284	37646	6.01	nq	# 81
68) Atrazine	11.12	200	38818	5.96	nq	96
69) Pentachlorophenol	11.22	266	17460	4.48	nq	94
70) Phenanthrene	11.49	178	219923	6.28	nq	98
71) Anthracene	11.54	178	223589	6.20	nq	98
72) Carbazole	11.74	167	223386	6.05	nq	96
73) Di-n-butylphthalate	12.20	149	229627	5.98	nq	98
74) Fluoranthene	12.94	202	217323	6.06	nq	99
76) Benzidine	13.11	184	105503	5.02	nq	98
77) Pyrene	13.22	202	224583	5.82	nq	99
79) Butylbenzylphthalate	14.04	149	85043	5.18	nq	# 81
80) Benzo(a)anthracene	14.70	228	176985	5.71	nq	97
81) 3,3'-Dichlorobenzidine	14.67	252	57433	5.19	nq	# 95
82) Chrysene	14.74	228	180666	6.28	nq	99
83) Bis(2-ethylhexyl)phthalate	14.76	149	133083	5.94	nq	99
84) Di-n-octyl phthalate	15.52	149	190016	5.07	nq	98
85) Indeno(1,2,3-cd)pyrene	17.72	276	120534	4.84	nq	97
87) Benzo(b)fluoranthene	15.93	252	143760	5.64	nq	98
88) Benzo(k)fluoranthene	15.96	252	155329	6.18	nq	# 94
89) Benzo(a)pyrene	16.28	252	132148	5.63	nq	98
90) Dibenzo(a,h)anthracene	17.75	278	100790	5.07	nq	98
91) Benzo(g,h,i)perylene	18.13	276	102779	5.13	nq	99

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

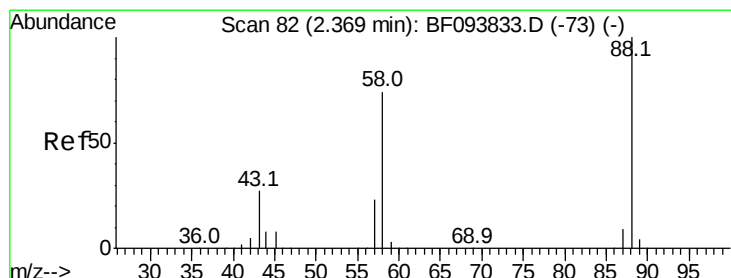
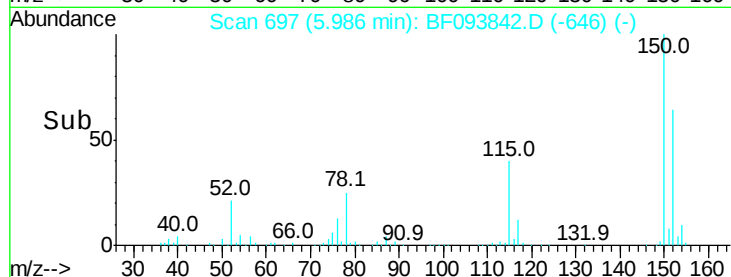
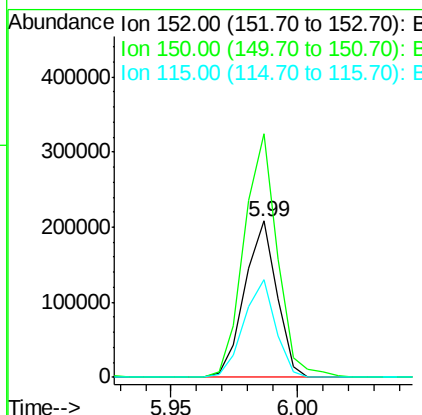
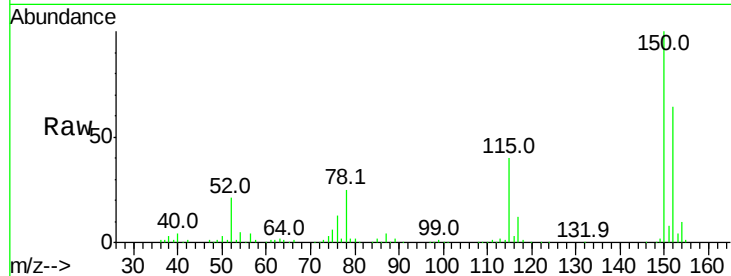


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

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

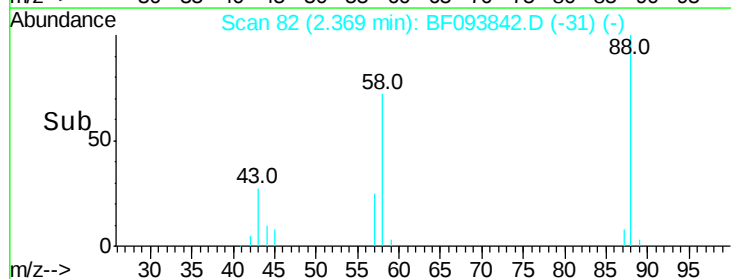
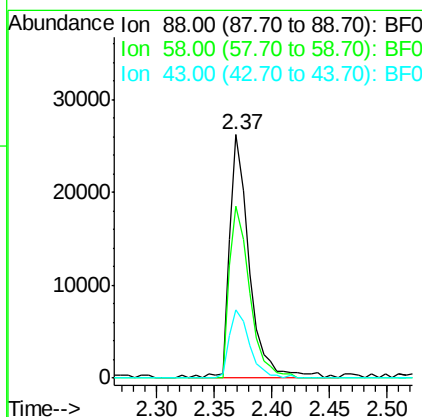
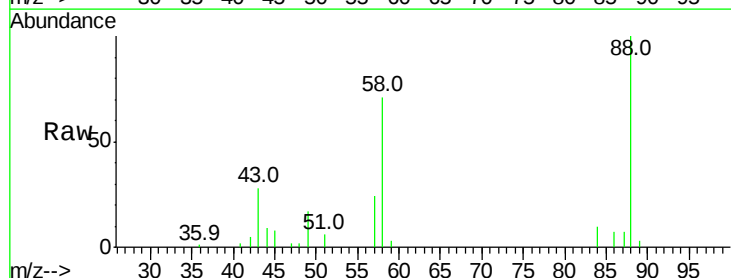
Tot Ion:152 Resp: 184165
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 62.5 52.2 78.2

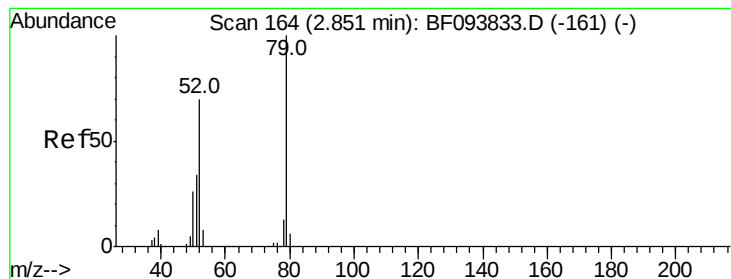


#2

1,4-Dioxane
Concen: 5.95 ng
RT: 2.37 min Scan# 82
Delta R.T. -0.00 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion: 88 Resp: 31176
Ion Ratio Lower Upper
88 100
58 72.1 61.4 92.0
43 28.8 23.4 35.0





#3

Pvridine

Concen: 5.41 ng

RT: 2.89 min Scan# 171

Delta R.T. 0.04 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

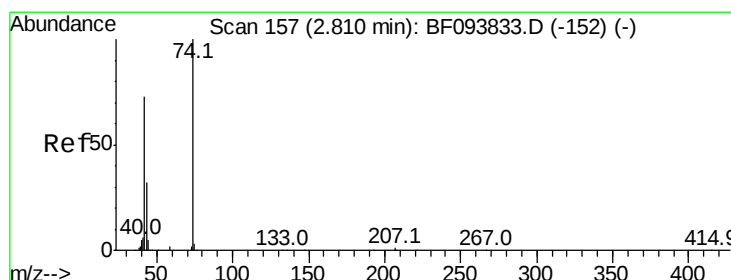
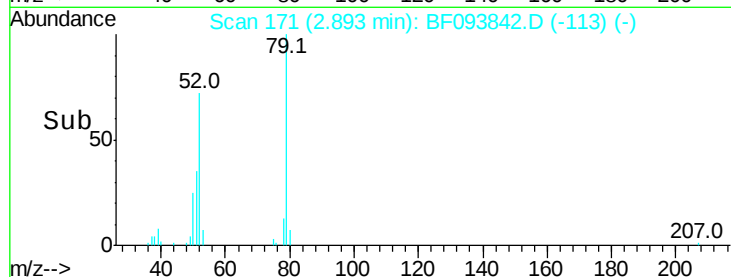
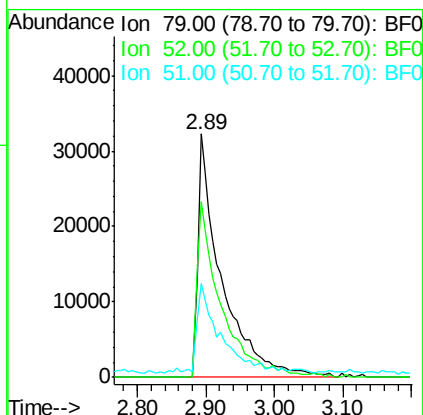
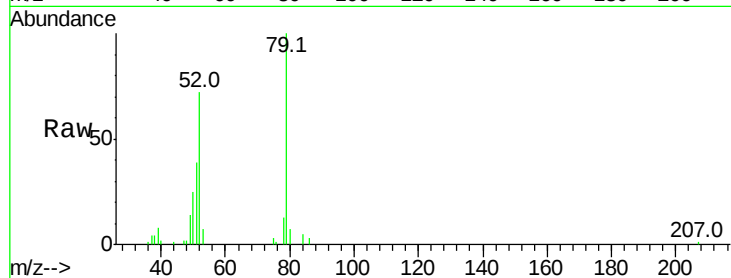
Tot Ion: 79 Resp: 77220

Ion Ratio Lower Upper

79 100

52 72.1 54.8 82.2

51 38.6 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 5.63 ng

RT: 2.80 min Scan# 156

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

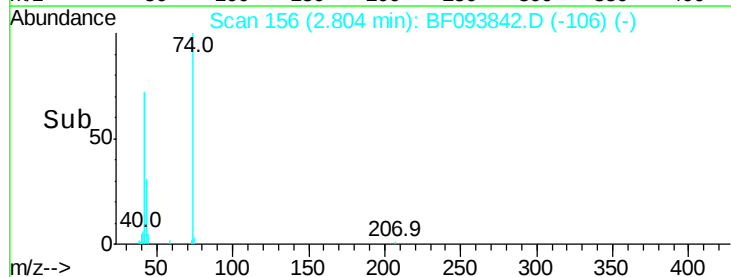
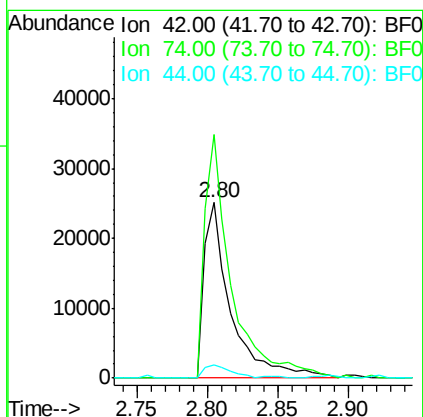
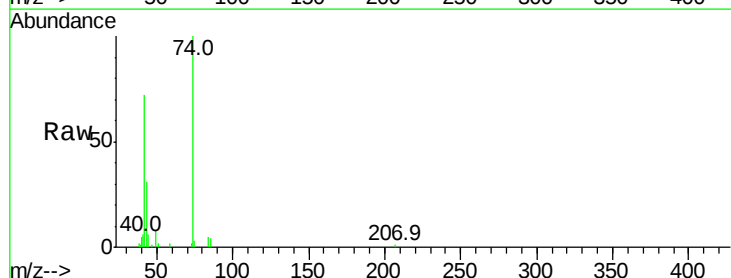
Tgt Ion: 42 Resp: 33063

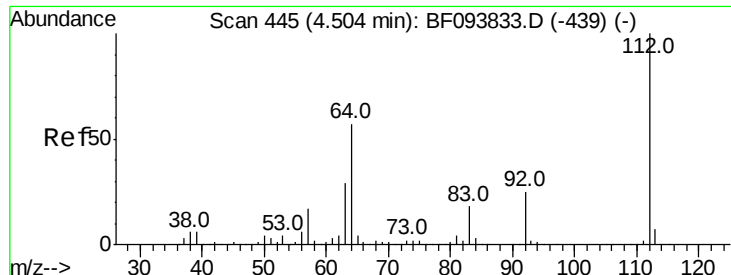
Ion Ratio Lower Upper

42 100

74 138.8 103.9 155.9

44 7.9 5.7 8.5





#5

2-Fluorophenol

Concen: 135.50 ng

RT: 4.50 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

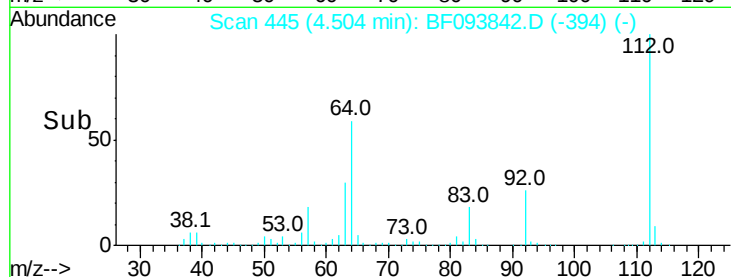
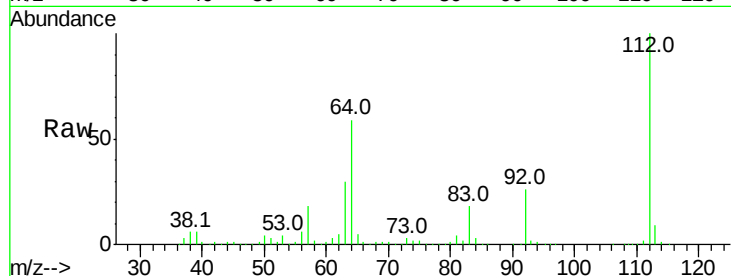
Tot Ion:112 Resp: 1477497

Ion Ratio Lower Upper

112 100

64 59.2 46.0 69.0

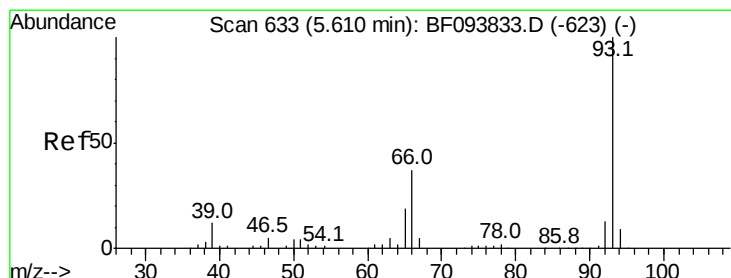
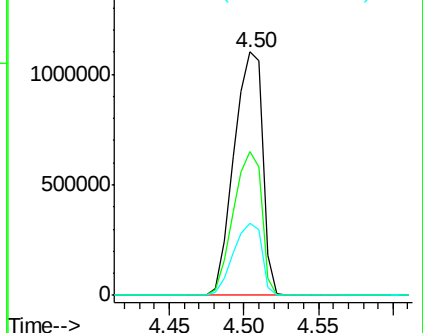
63 29.8 23.4 35.0



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: 5.70 ng

RT: 5.60 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

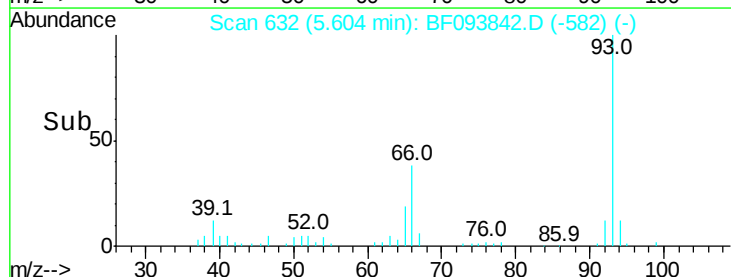
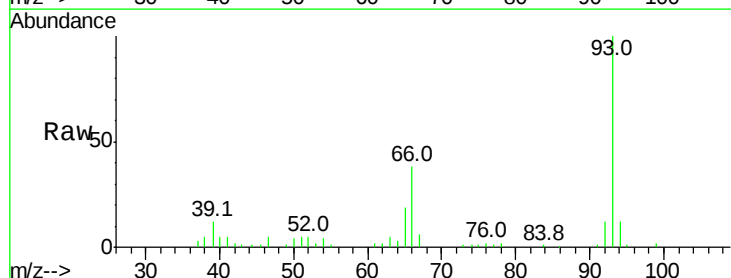
Tgt Ion: 93 Resp: 106911

Ion Ratio Lower Upper

93 100

66 38.2 32.9 49.3

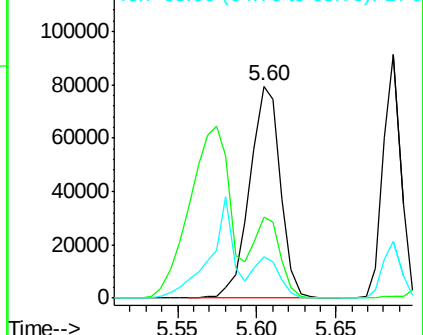
65 19.2 16.0 24.0

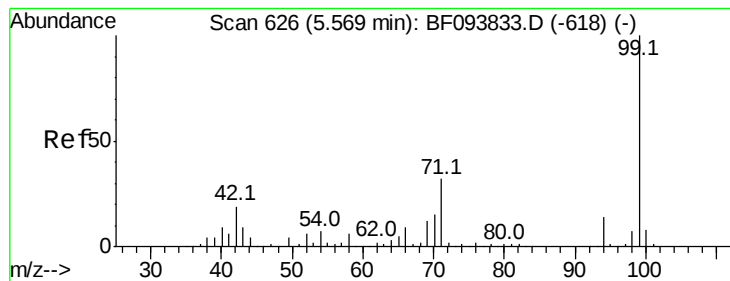


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 134.49 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

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LOD-SOIL-01-QT2-2017

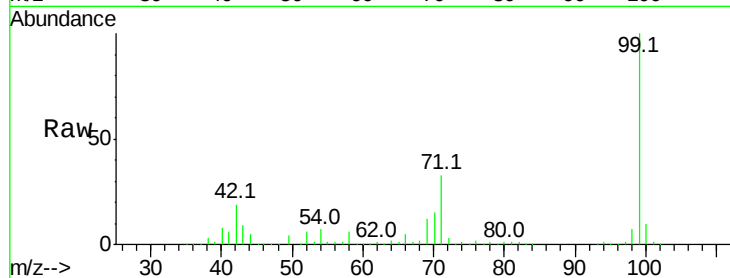
Tot Ion: 99 Resp: 1814189

Ion Ratio Lower Upper

99 100

42 18.7 13.5 20.3

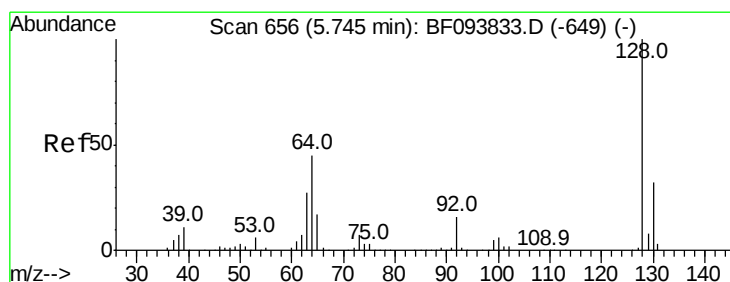
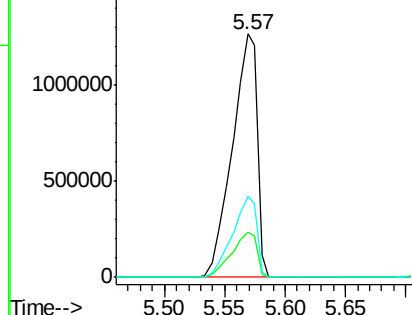
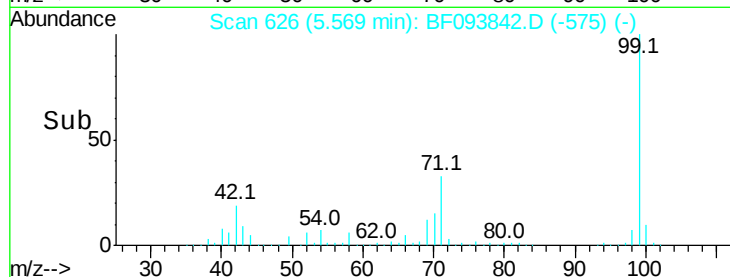
71 33.4 24.5 36.7



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: 5.84 ng

RT: 5.74 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

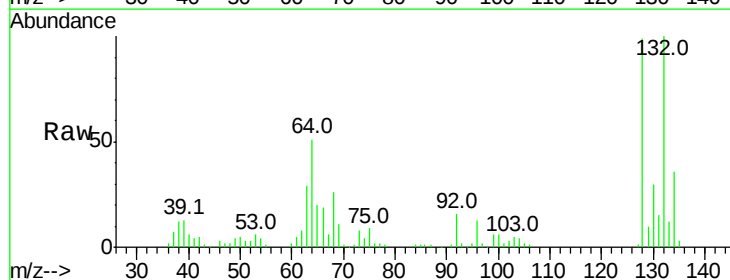
Tgt Ion:128 Resp: 69933

Ion Ratio Lower Upper

128 100

130 30.6 12.9 52.9

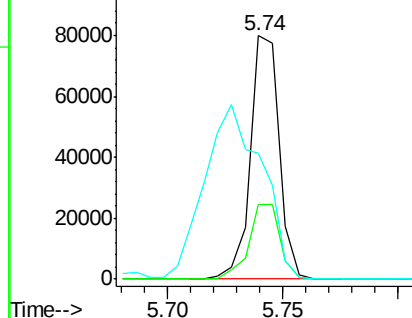
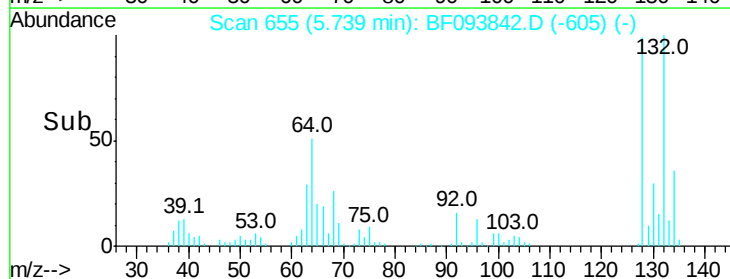
64 51.6 28.4 68.4

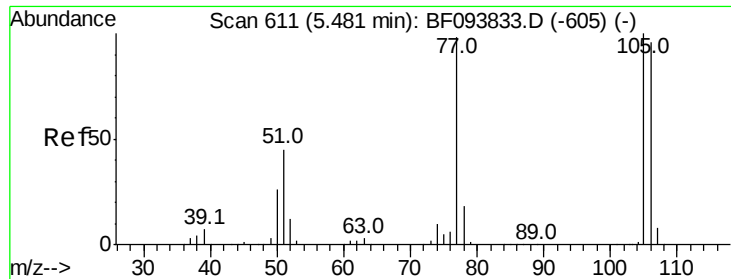


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

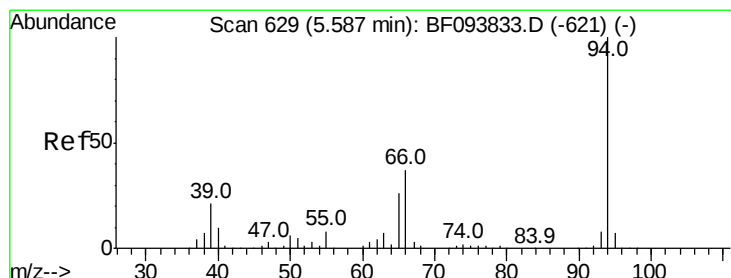
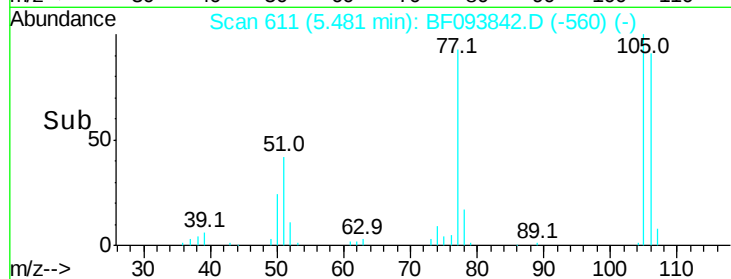
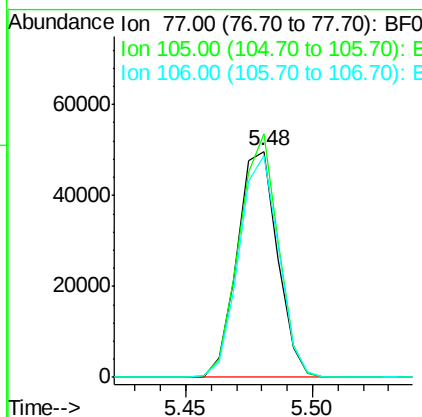
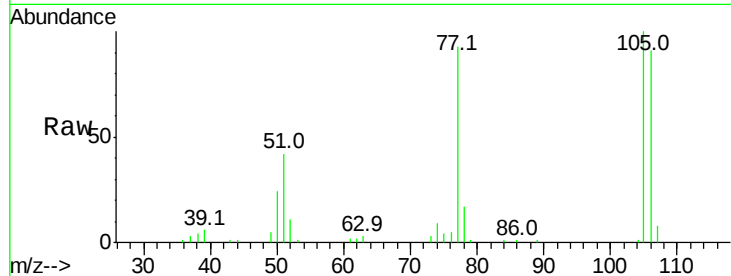




#9
Benzaldehyde
Concen: 6.04 ng
RT: 5.48 min Scan# 611
Delta R.T. -0.00 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

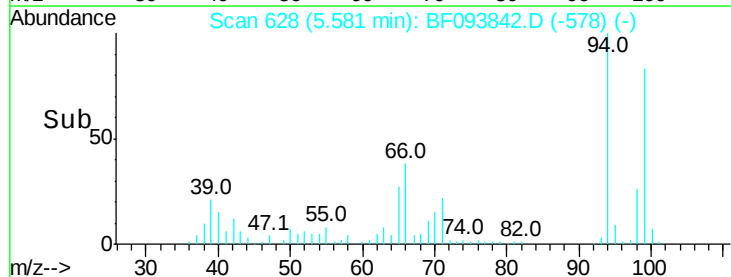
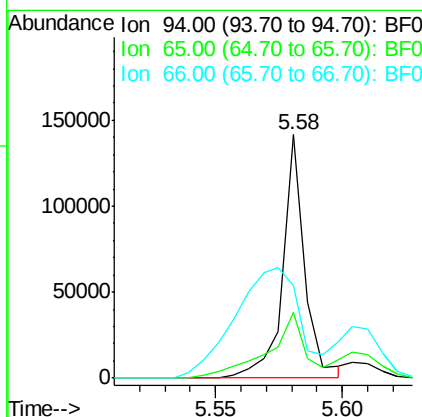
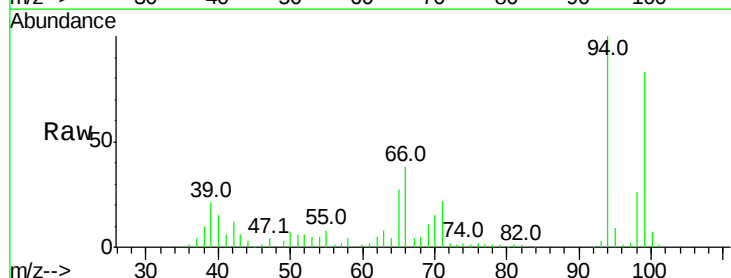
Instrument :
BNA_F
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LOD-SOIL-01-QT2-2017

Tot Ion: 77 Resp: 55046
Ion Ratio Lower Upper
77 100
105 107.8 83.8 123.8
106 98.4 79.1 119.1



#10
Phenol
Concen: 5.63 ng
RT: 5.58 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion: 94 Resp: 86445
Ion Ratio Lower Upper
94 100
65 26.7 9.9 49.9
66 37.8 23.1 63.1

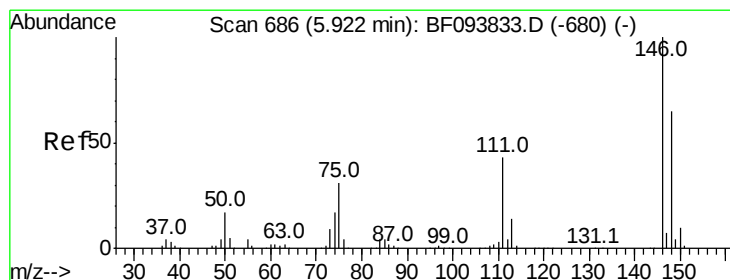
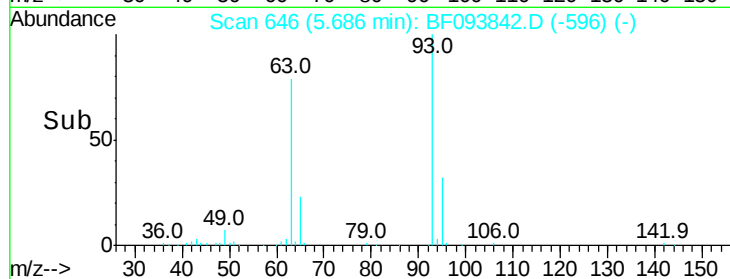
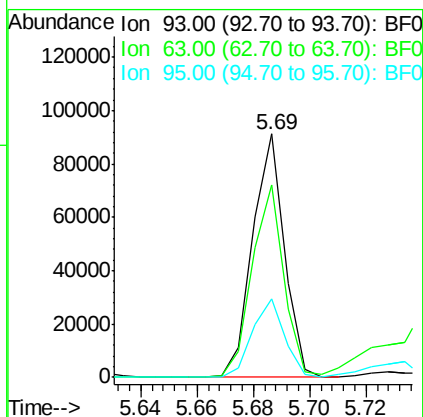
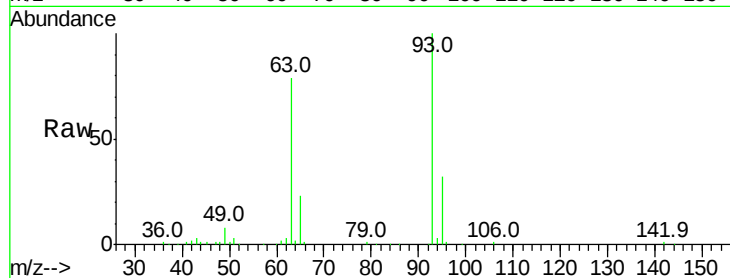




#11
bis(2-Chloroethyl)ether
Concen: 5.93 ng
RT: 5.69 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

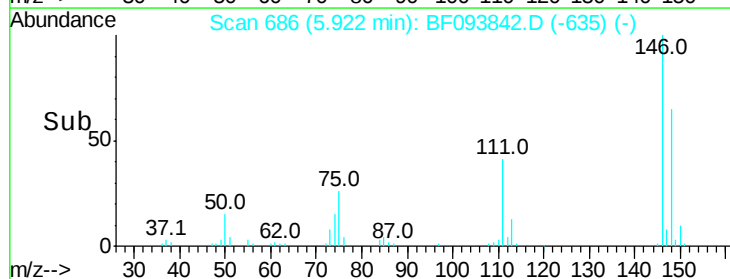
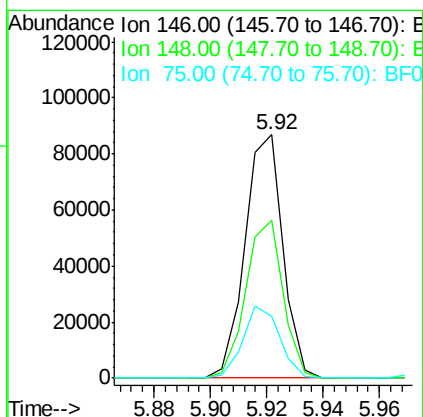
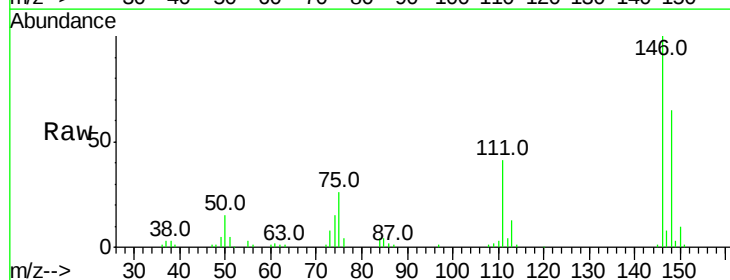
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

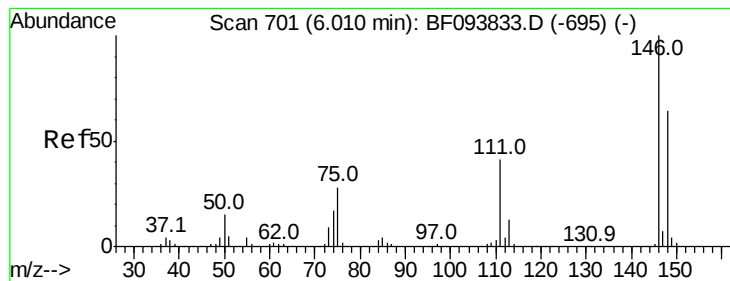
Tot Ion: 93 Resp: 71193
Ion Ratio Lower Upper
93 100
63 79.2 59.2 99.2
95 32.2 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 6.02 ng
RT: 5.92 min Scan# 686
Delta R.T. -0.00 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion: 146 Resp: 80984
Ion Ratio Lower Upper
146 100
148 64.6 51.8 77.6
75 25.5 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 6.16 ng

RT: 6.00 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

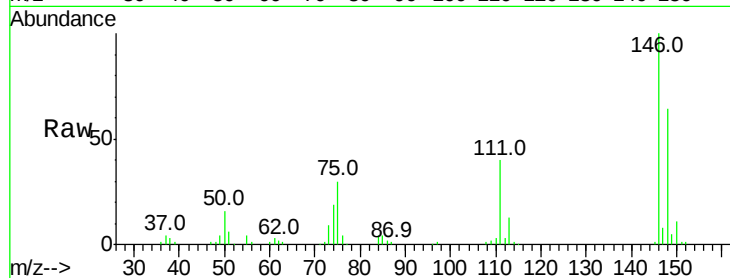
Tot Ion:146 Resp: 83901

Ion Ratio Lower Upper

146 100

148 63.6 52.2 78.2

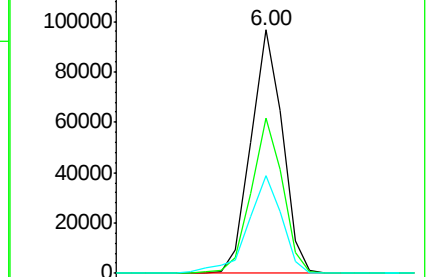
111 40.0 30.3 45.5



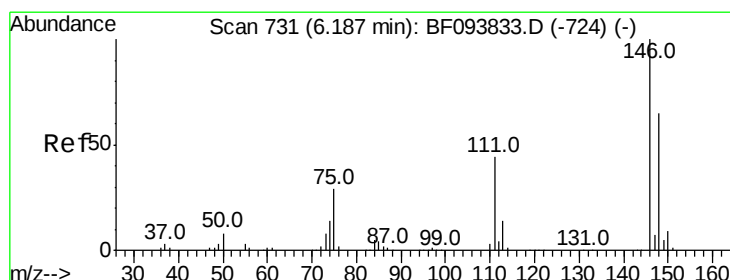
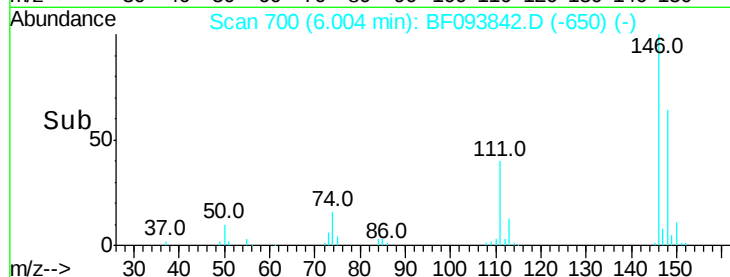
Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



Time--> 5.95 6.00 6.05



#14

1,2-Dichlorobenzene

Concen: 6.25 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

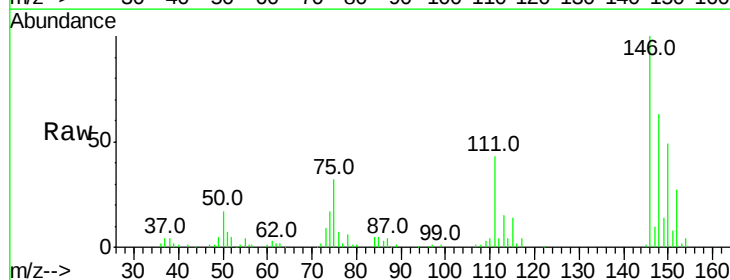
Tgt Ion:146 Resp: 78309

Ion Ratio Lower Upper

146 100

148 63.3 50.4 75.6

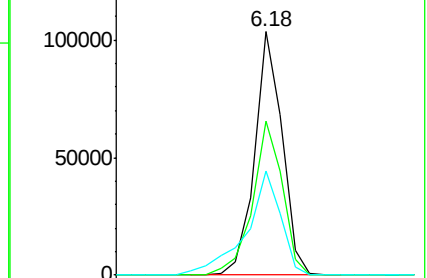
111 42.7 38.2 57.4



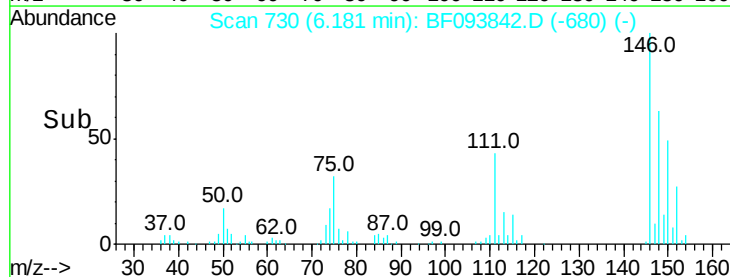
Abundance Ion 146.00 (145.70 to 146.70): E

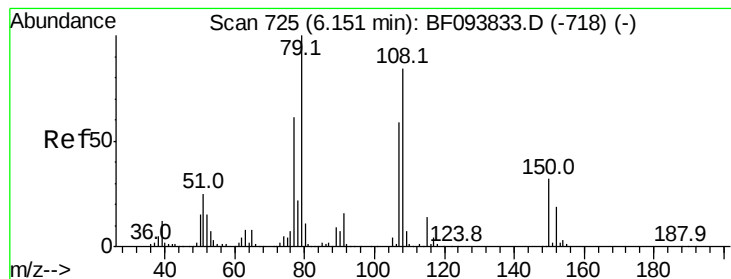
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



Time--> 6.15 6.20





#15

Benzyl Alcohol

Concen: 5.68 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

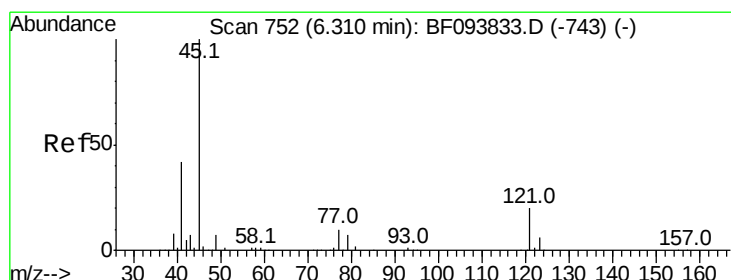
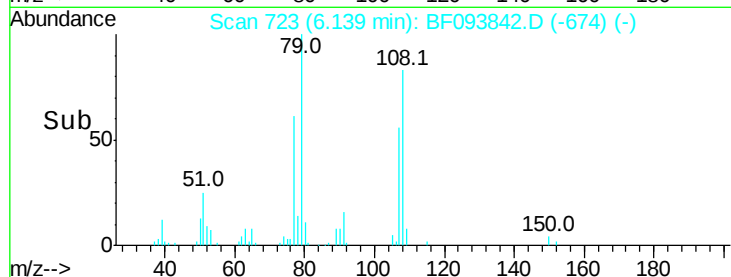
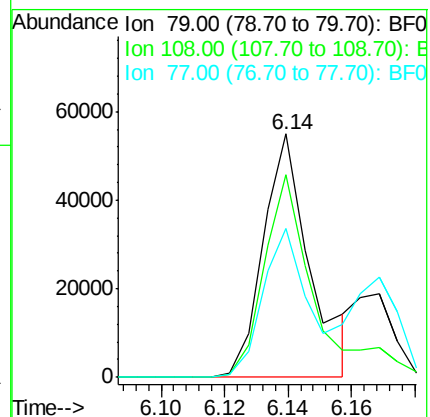
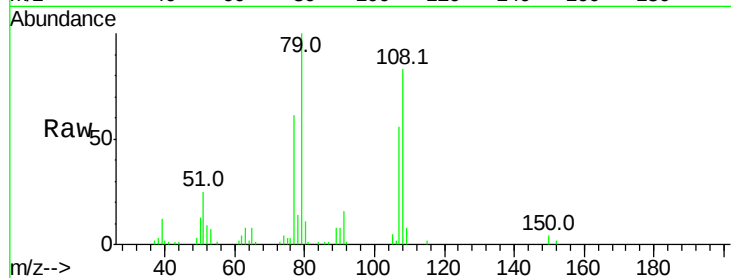
Tot Ion: 79 Resp: 56121

Ion Ratio Lower Upper

79 100

108 83.1 63.4 95.0

77 61.4 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 5.89 ng

RT: 6.30 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

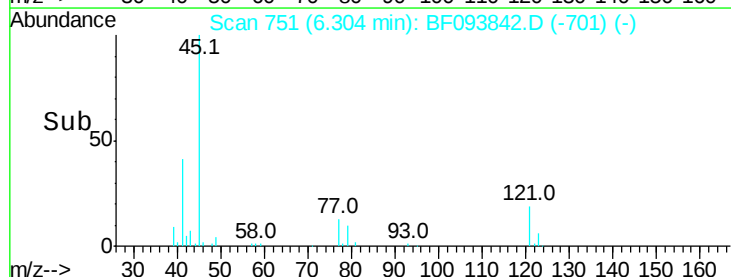
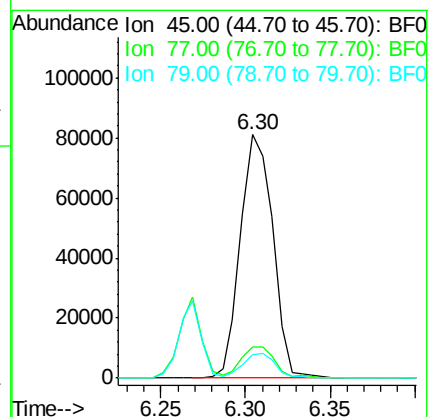
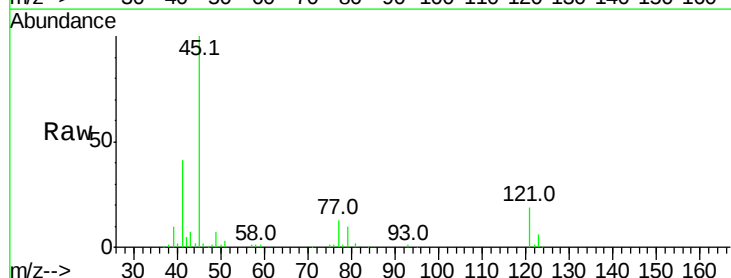
Tgt Ion: 45 Resp: 108925

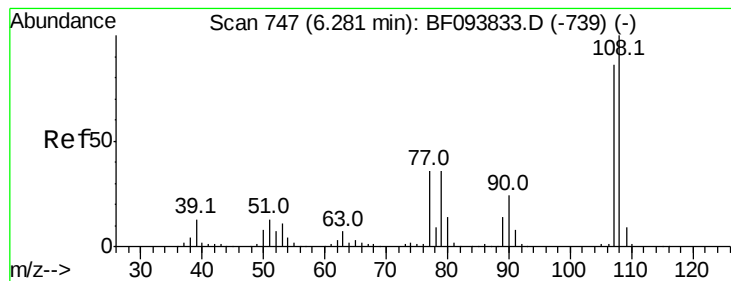
Ion Ratio Lower Upper

45 100

77 12.6 0.0 33.2

79 9.7 0.0 30.0

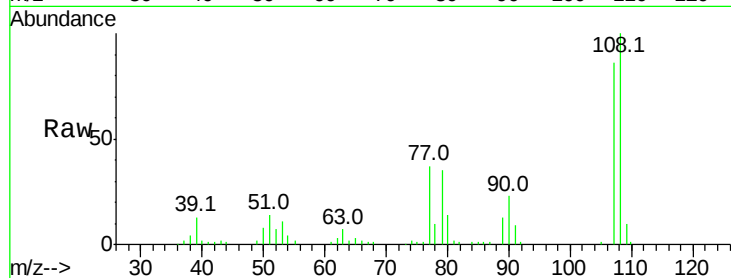




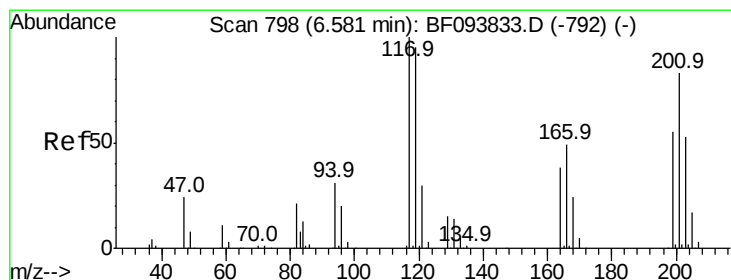
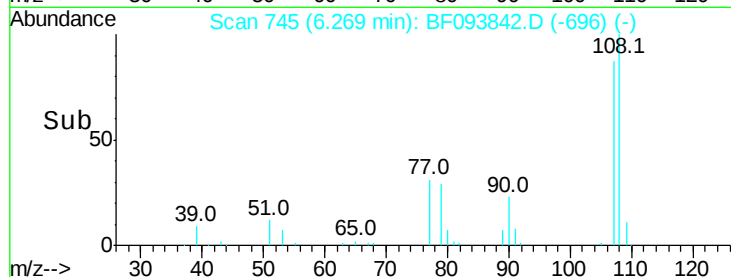
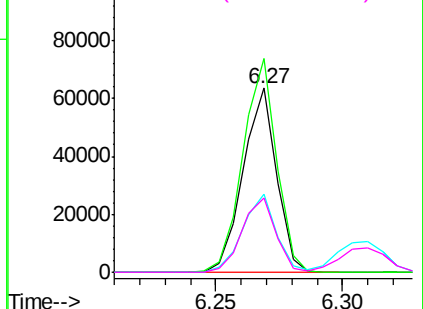
#17
2-Methylphenol
Concen: 5.68 ng
RT: 6.27 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

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

Tot Ion:107 Resp: 58328
Ion Ratio Lower Upper
107 100
108 116.0 93.4 140.0
77 42.7 35.8 53.6
79 40.5 34.8 52.2

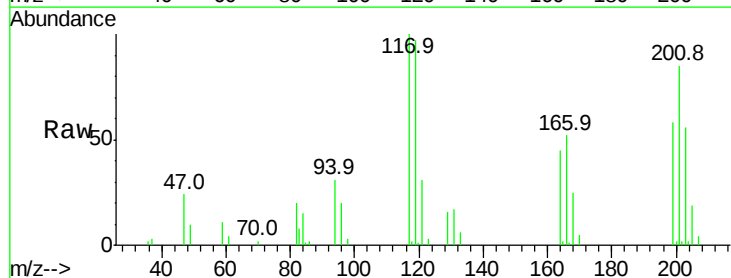


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

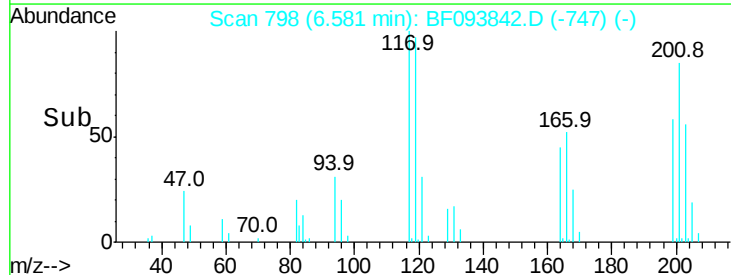
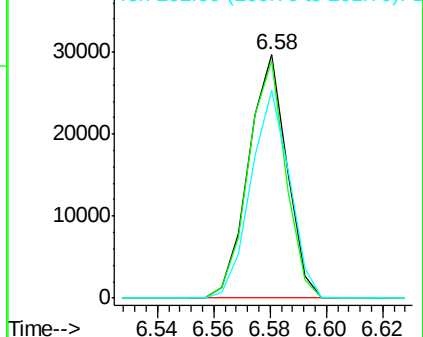


#18
Hexachloroethane
Concen: 5.81 ng
RT: 6.58 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:117 Resp: 27824
Ion Ratio Lower Upper
117 100
119 97.5 77.4 116.0
201 85.5 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: 6.21 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.02 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion: 70 Resp: 53841

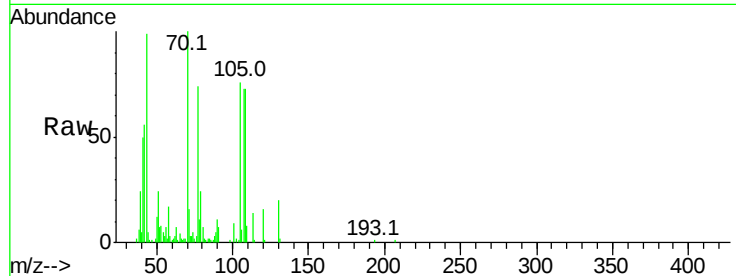
Ion Ratio Lower Upper

70 100

42 55.9 47.2 70.8

101 9.0 7.2 10.8

130 19.9 15.9 23.9

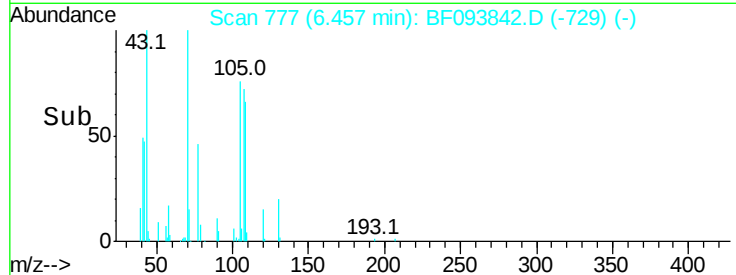
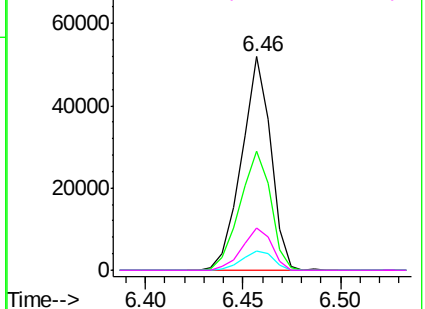


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#20

3+4-Methylphenols

Concen: 6.25 ng

RT: 6.45 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Tgt Ion: 107 Resp: 77692

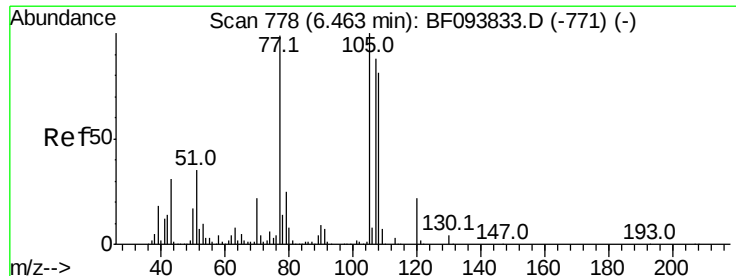
Ion Ratio Lower Upper

107 100

108 97.5 71.0 111.0

77 135.7 90.5 130.5#

79 28.3 8.4 48.4

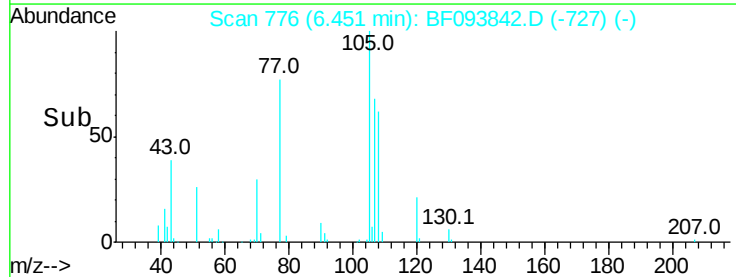
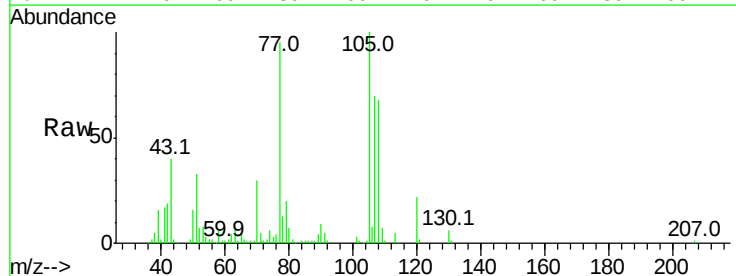
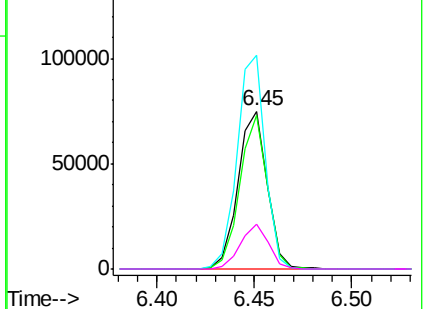


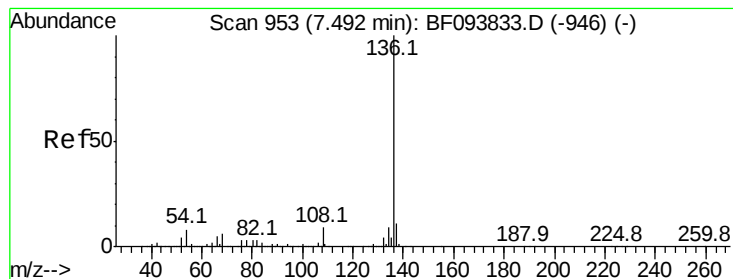
Abundance Ion 107.00 (106.70 to 107.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136 Resp: 756650

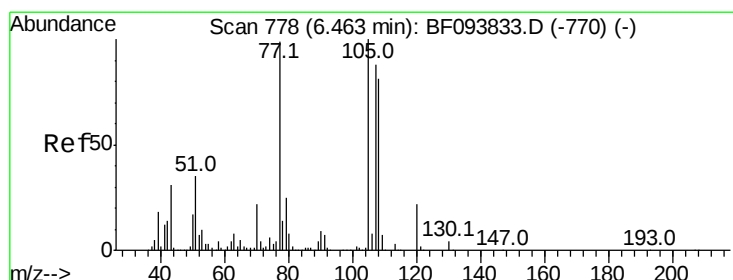
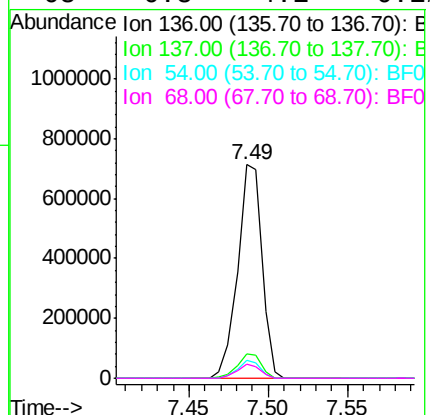
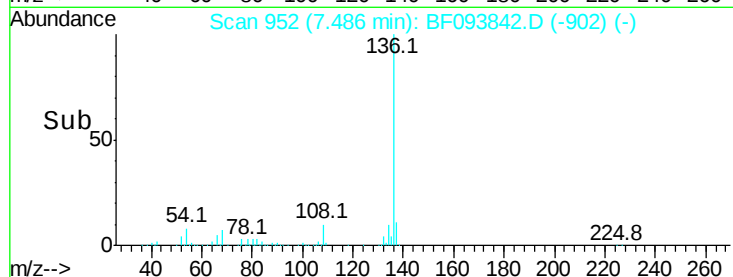
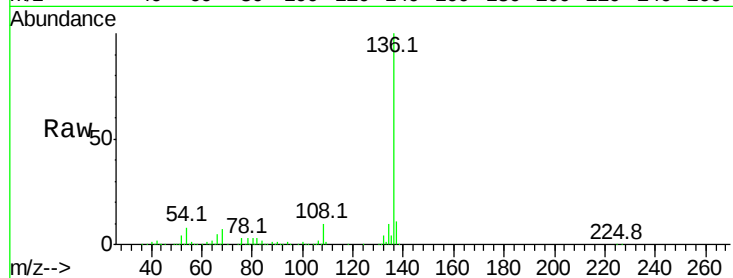
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 8.5 4.9 7.3#

68 6.8 4.1 6.1#



#22

Acetophenone

Concen: 6.28 ng

RT: 6.45 min Scan# 776

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Tgt Ion:105 Resp: 105920

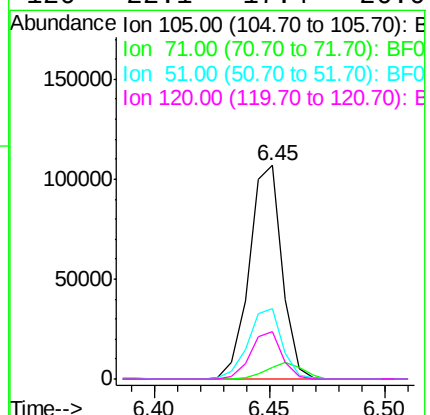
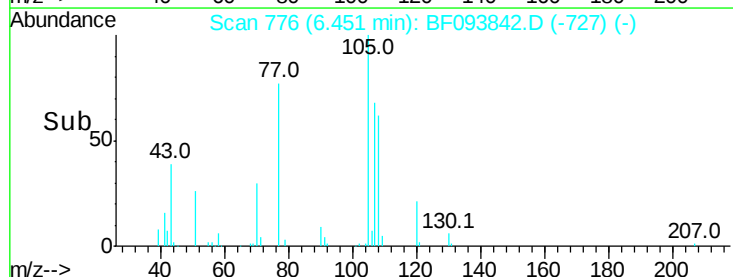
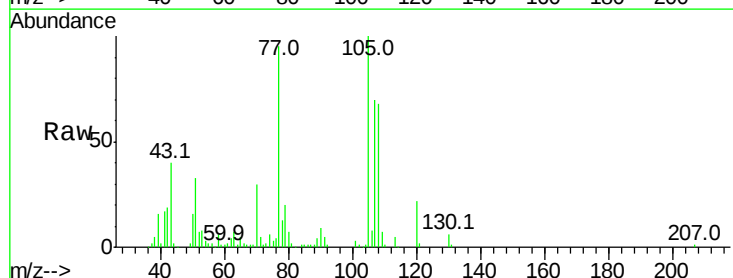
Ion Ratio Lower Upper

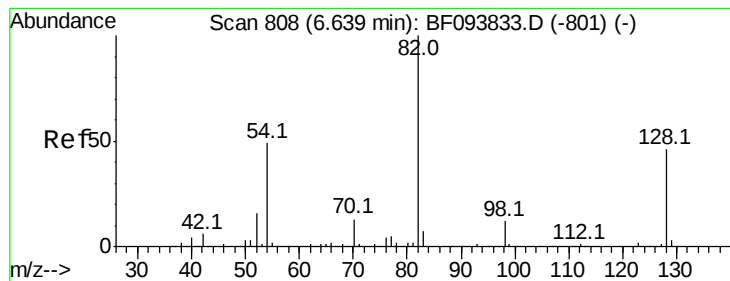
105 100

71 5.3 2.8 4.2#

51 33.3 30.7 46.1

120 22.1 17.4 26.0





#23

Nitrobenzene-d5

Concen: 93.11 ng

RT: 6.63 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

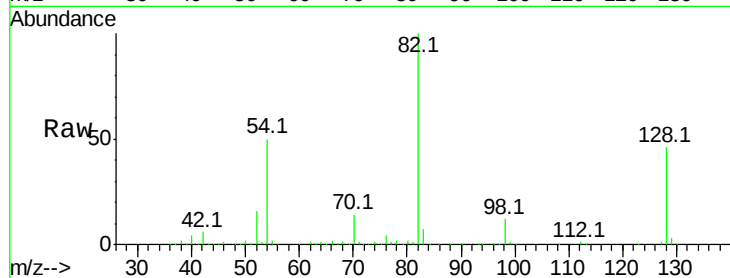
Tot Ion: 82 Resp: 1234540

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

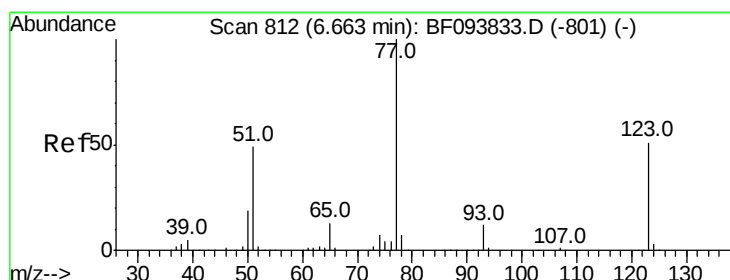
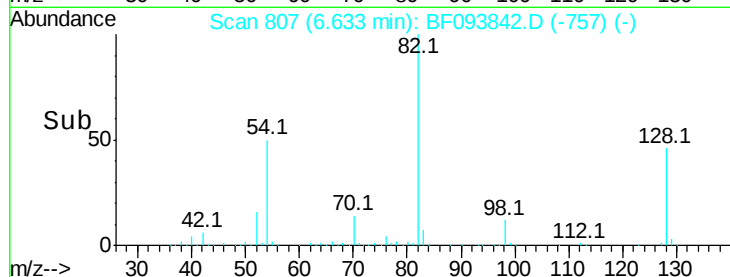
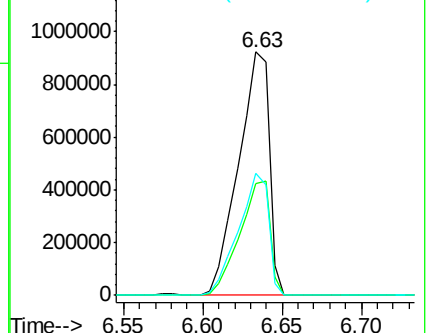
54 50.1 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): B

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 6.11 ng

RT: 6.65 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

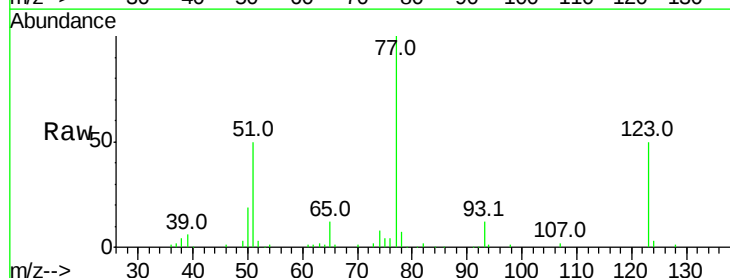
Tgt Ion: 77 Resp: 79890

Ion Ratio Lower Upper

77 100

123 49.7 35.8 53.8

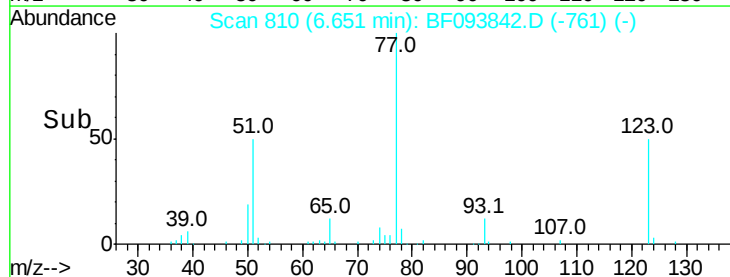
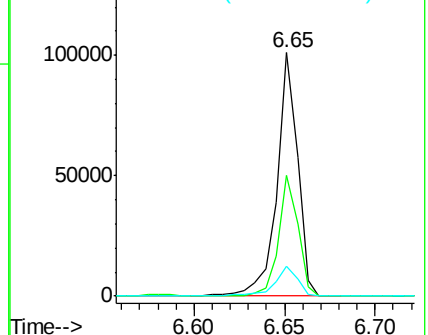
65 12.4 10.6 15.8

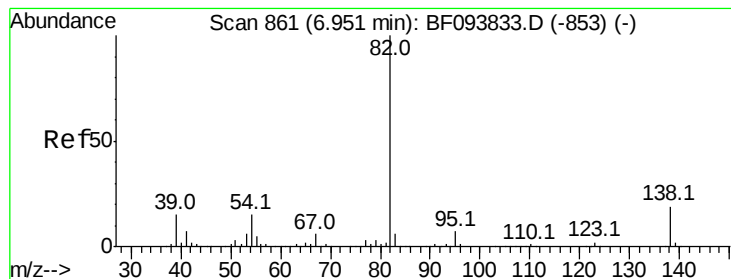


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): B

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 5.77 ng

RT: 6.93 min Scan# 858

Delta R.T. -0.02 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

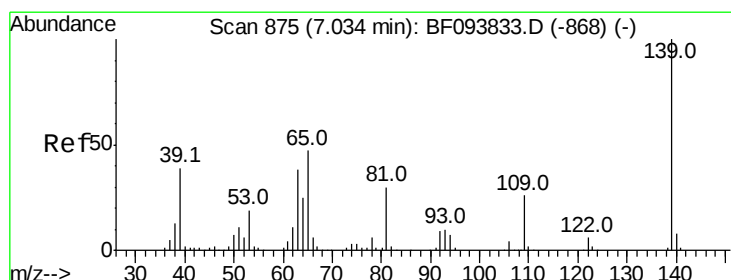
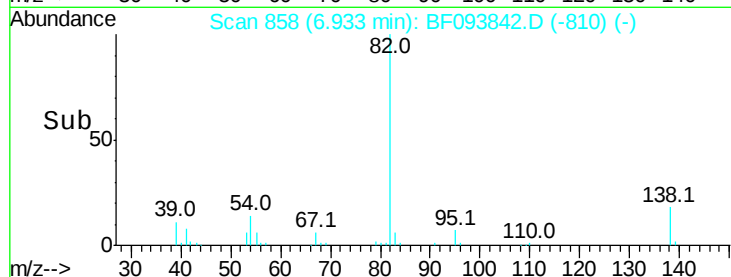
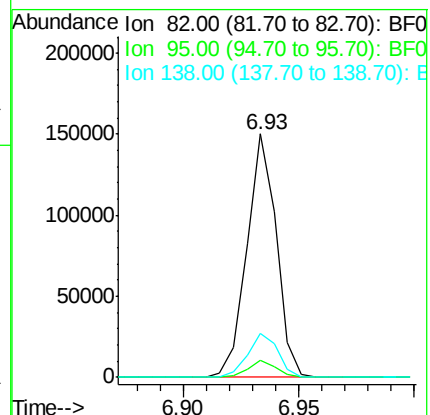
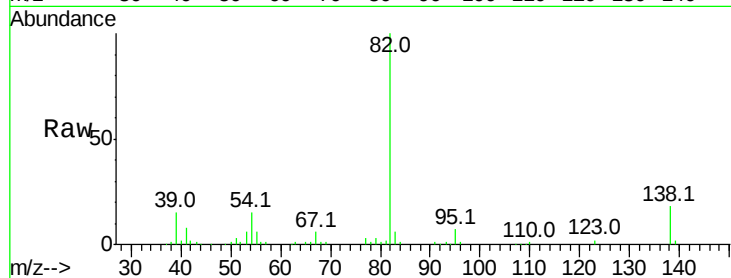
Tot Ion: 82 Resp: 134459

Ion Ratio Lower Upper

82 100

95 7.1 5.3 7.9

138 18.2 13.1 19.7



#26

2-Nitrophenol

Concen: 5.11 ng

RT: 7.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

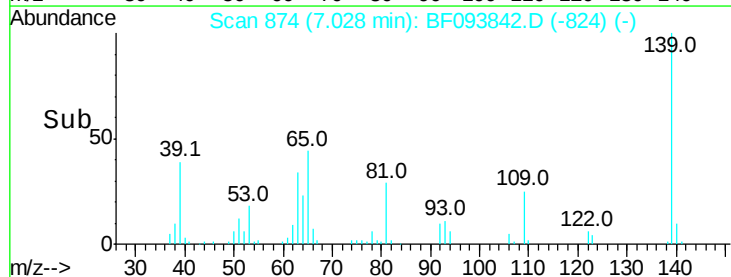
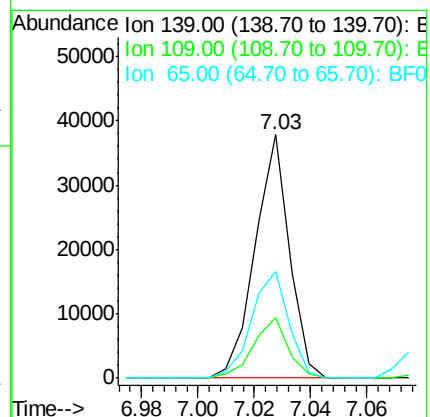
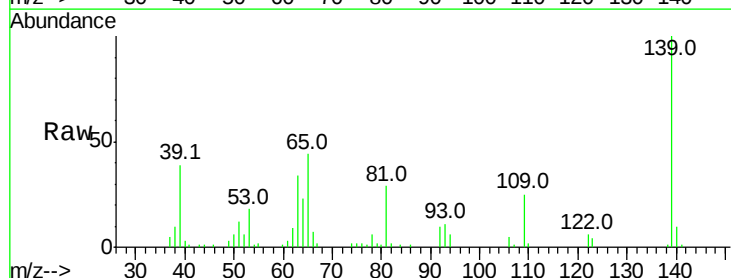
Tgt Ion: 139 Resp: 31860

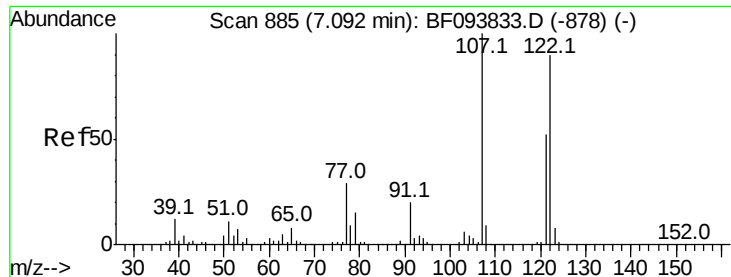
Ion Ratio Lower Upper

139 100

109 25.0 21.0 31.6

65 43.9 33.0 49.6

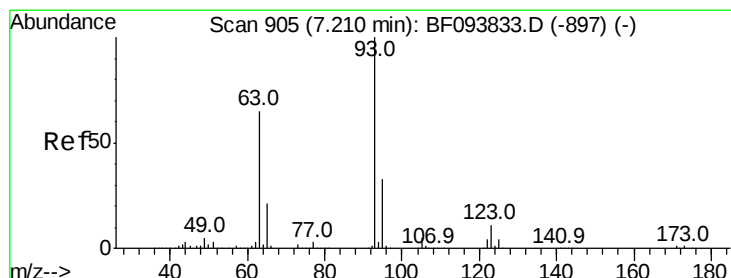
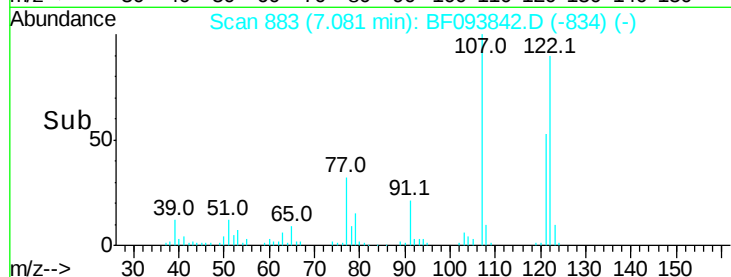
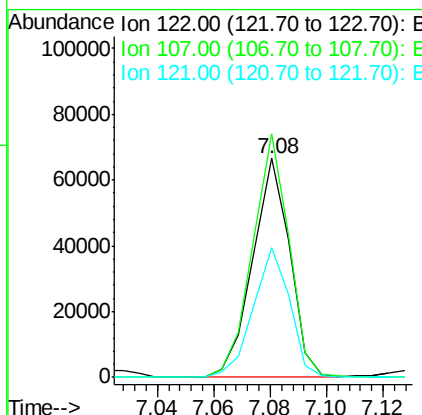
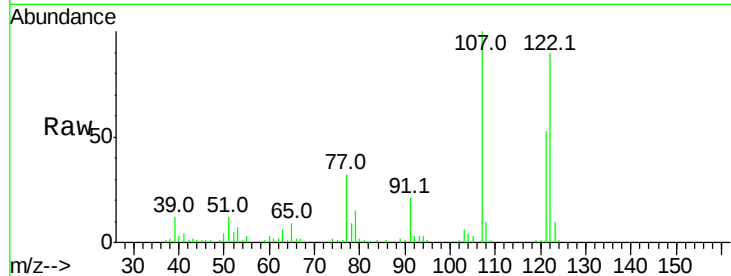




#27
 2,4-Dimethylphenol
 Concen: 5.66 ng
 RT: 7.08 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

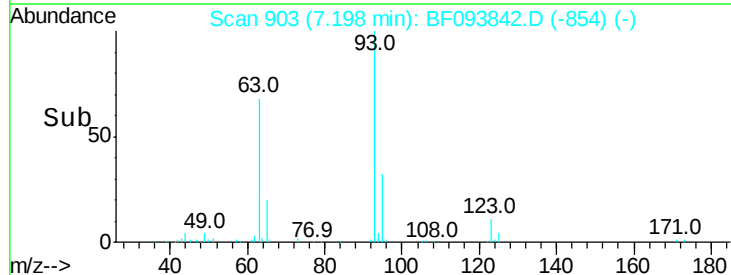
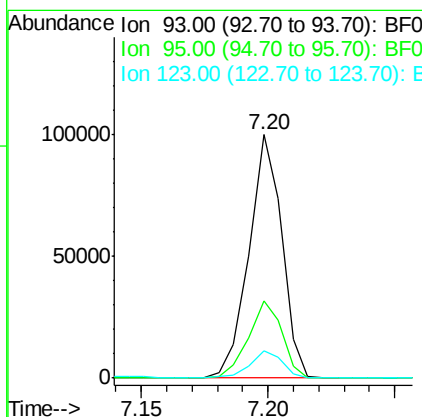
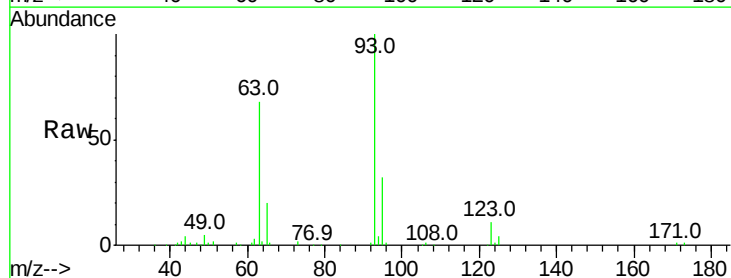
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

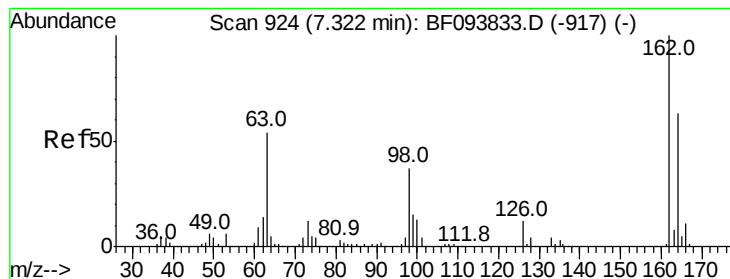
Tot Ion:122 Resp: 60860
 Ion Ratio Lower Upper
 122 100
 107 111.2 89.2 133.8
 121 59.1 45.2 67.8



#28
 bis(2-Chloroethoxy)methane
 Concen: 5.90 ng
 RT: 7.20 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion: 93 Resp: 90702
 Ion Ratio Lower Upper
 93 100
 95 31.6 26.5 39.7
 123 11.0 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 5.67 ng

RT: 7.32 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

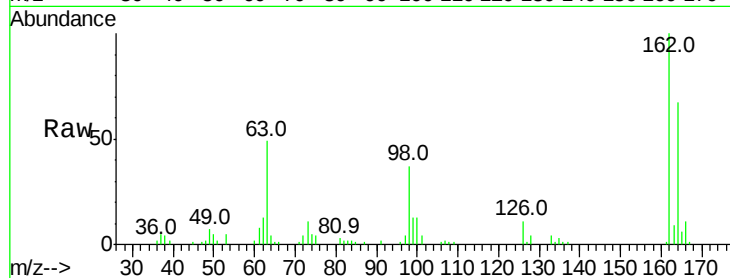
Tot Ion:162 Resp: 56990

Ion Ratio Lower Upper

162 100

164 66.9 44.6 84.6

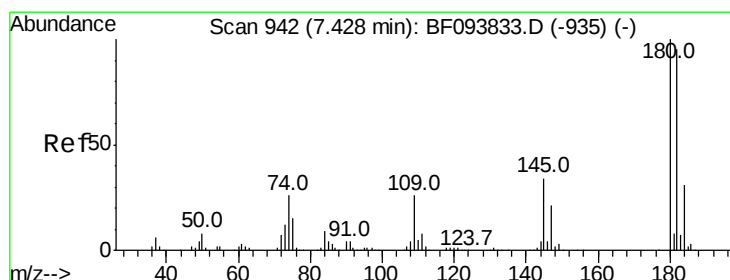
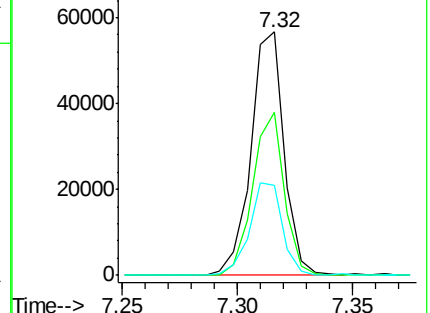
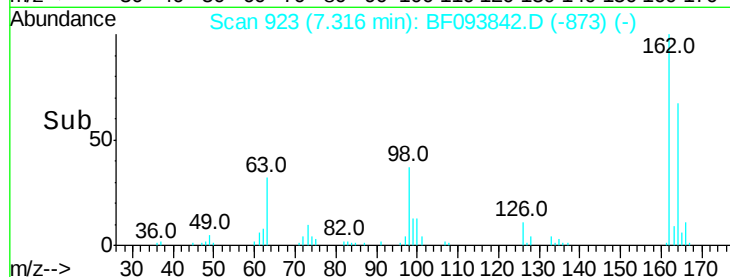
98 37.0 14.8 54.8



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: 5.94 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

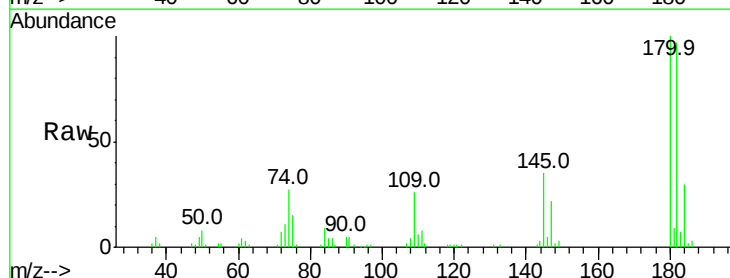
Tgt Ion:180 Resp: 61480

Ion Ratio Lower Upper

180 100

182 97.3 75.8 113.6

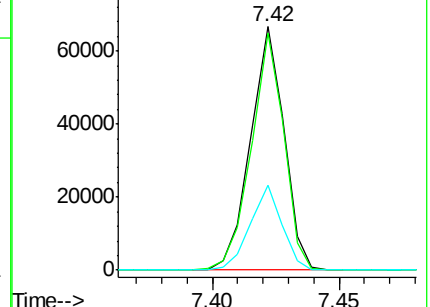
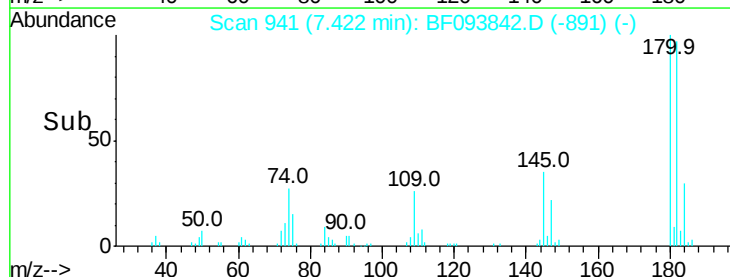
145 34.9 25.3 37.9

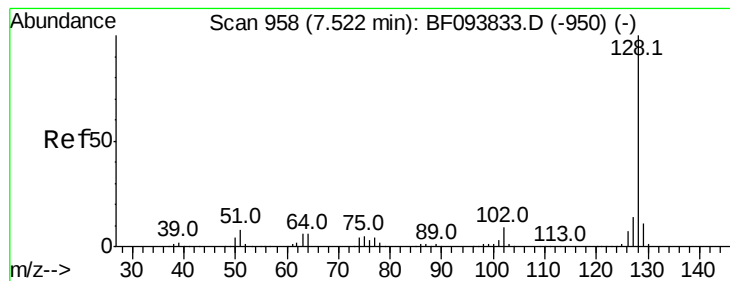


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 6.19 ng

RT: 7.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

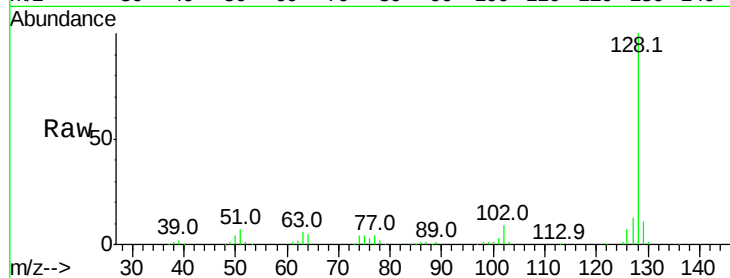
Tot Ion:128 Resp: 225332

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.6

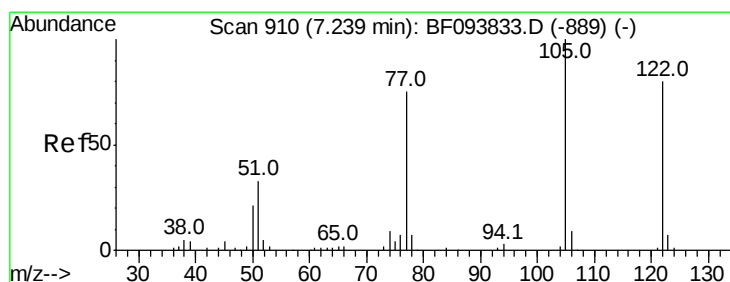
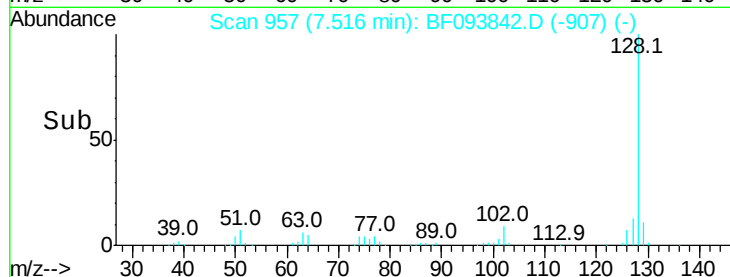
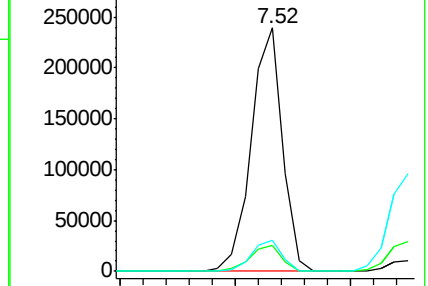
127 13.0 10.8 16.2



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: 1.74 ng

RT: 7.15 min Scan# 894

Delta R.T. -0.09 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

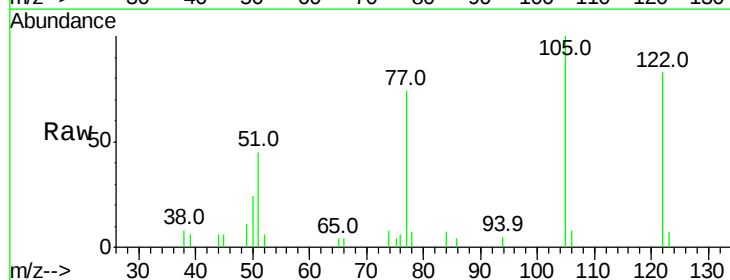
Tgt Ion:122 Resp: 12453

Ion Ratio Lower Upper

122 100

105 119.9 103.3 143.3

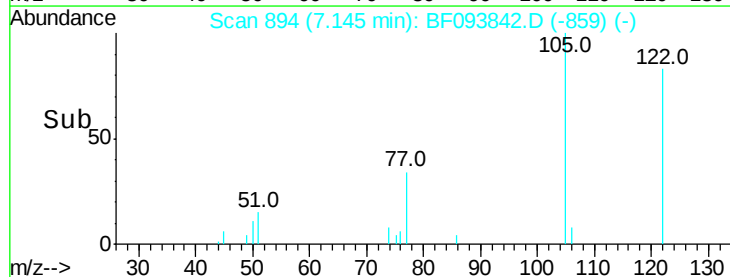
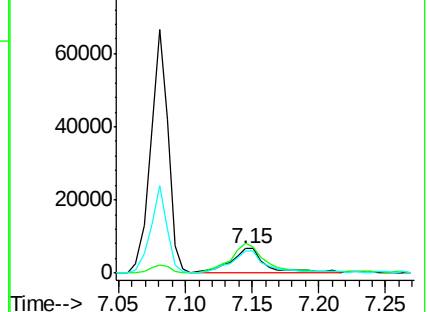
77 88.1 73.7 113.7



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: 5.89 ng

RT: 7.57 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

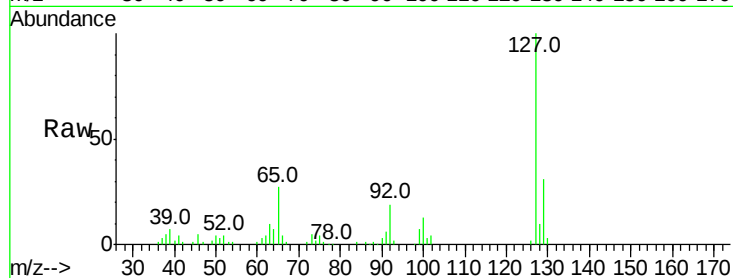
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:	127	Resp:	86779
Ion	Ratio	Lower	Upper
127	100		
129	30.8	26.2	39.2
65	26.7	27.8	41.8#
92	19.2	16.8	25.2

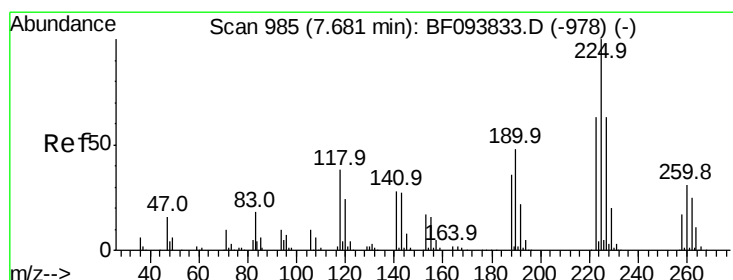
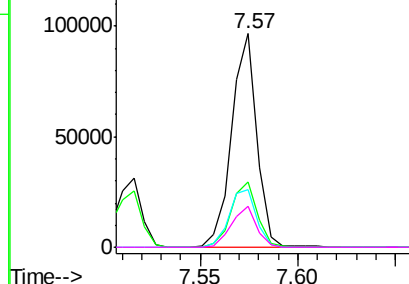
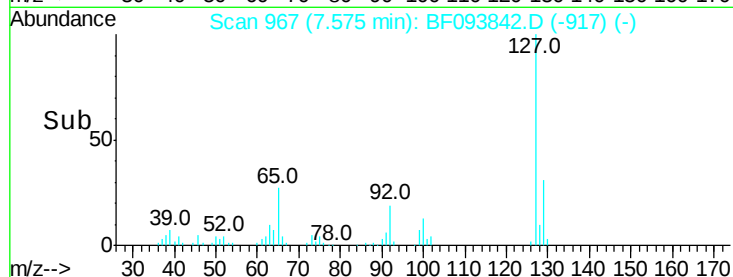


Abundance Ion 127.00 (126.70 to 127.70): E

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: 5.89 ng

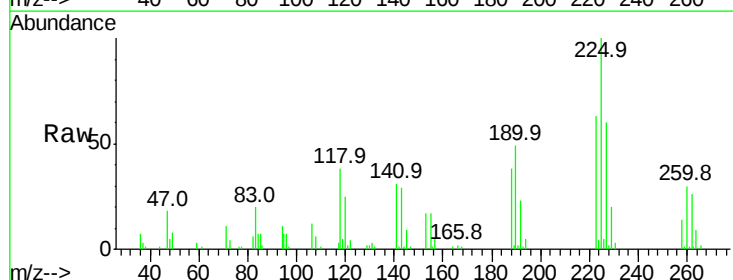
RT: 7.67 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

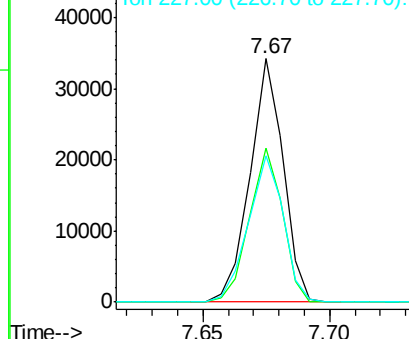
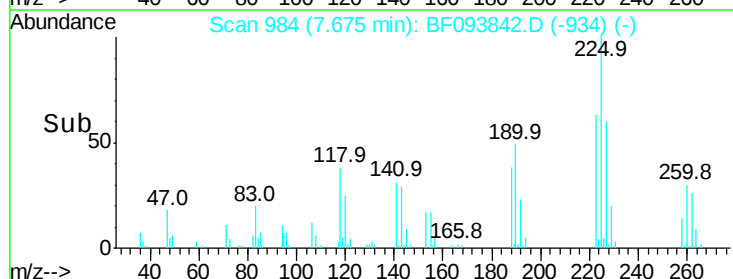
Tgt Ion:	225	Resp:	31240
Ion	Ratio	Lower	Upper
225	100		
223	63.4	48.8	73.2
227	59.9	51.1	76.7

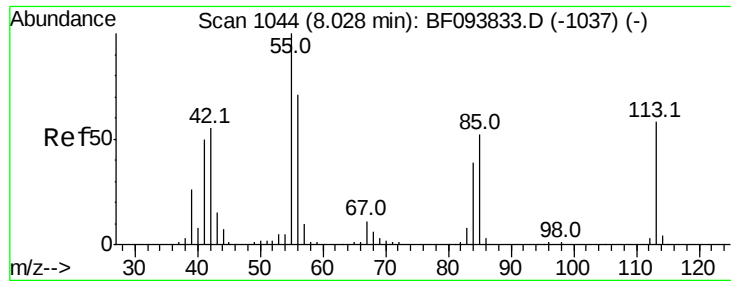


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

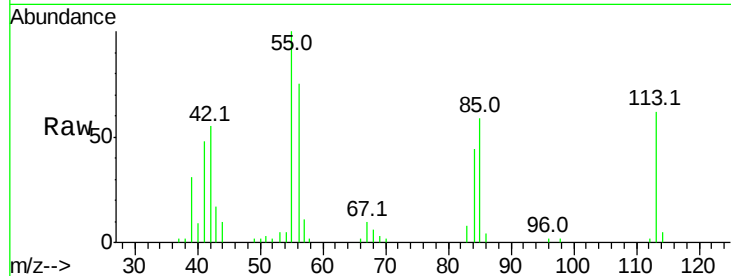




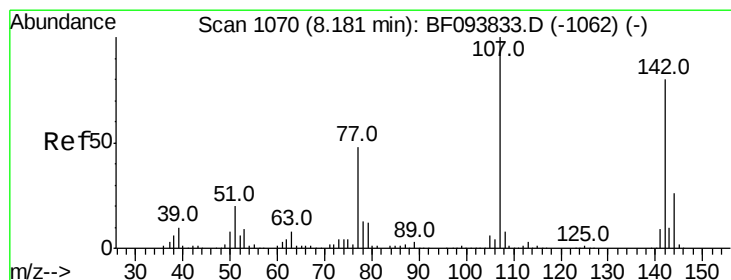
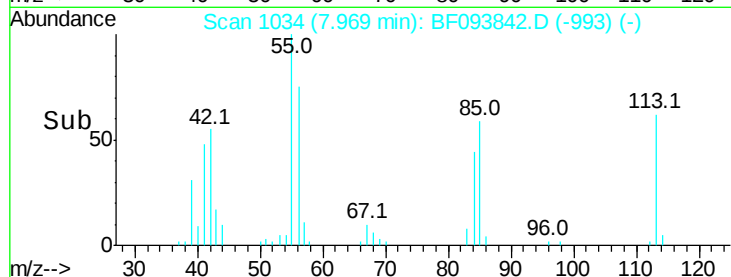
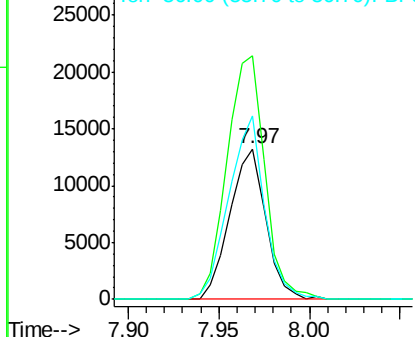
#35
 Caprolactam
 Concen: 5.70 ng
 RT: 7.97 min Scan# 1034
 Delta R.T. -0.06 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

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

Tot Ion:113 Resp: 18263
 Ion Ratio Lower Upper
 113 100
 55 161.8 150.2 190.2
 56 121.7 107.8 147.8

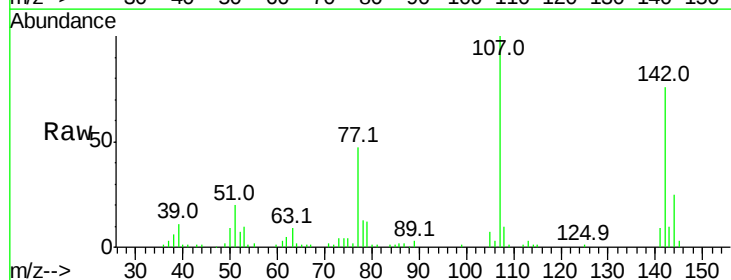


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

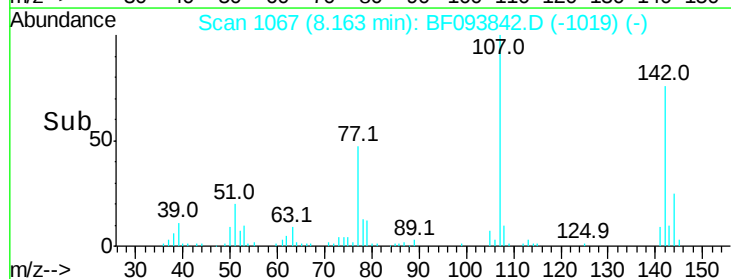
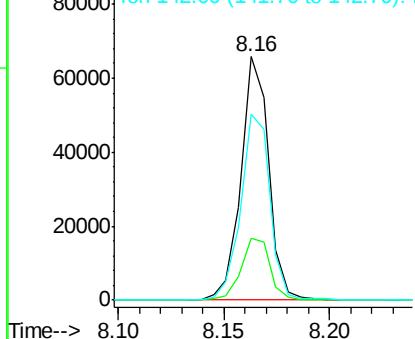


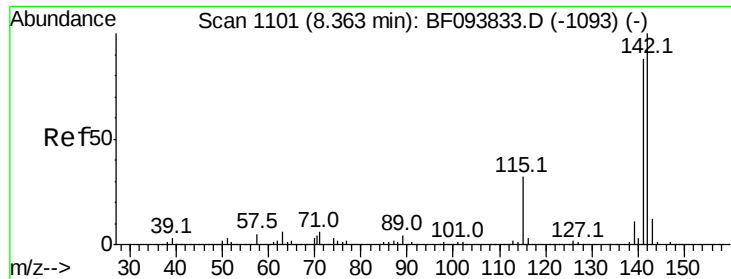
#36
 4-Chloro-3-methylphenol
 Concen: 5.69 ng
 RT: 8.16 min Scan# 1067
 Delta R.T. -0.02 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:107 Resp: 59727
 Ion Ratio Lower Upper
 107 100
 144 25.3 24.2 36.4
 142 76.2 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

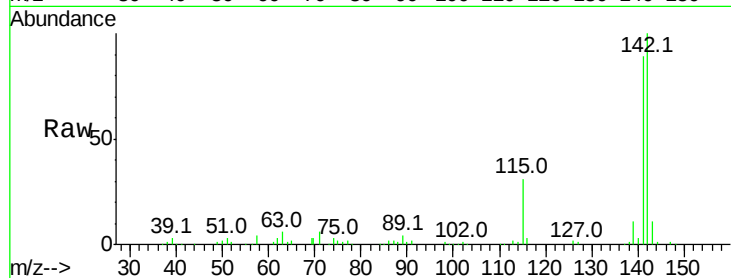




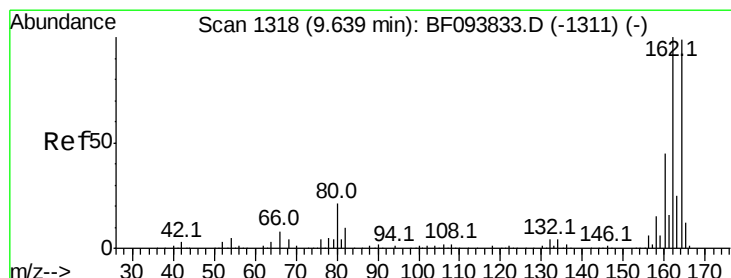
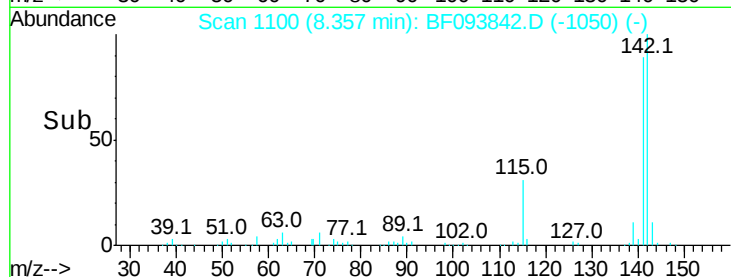
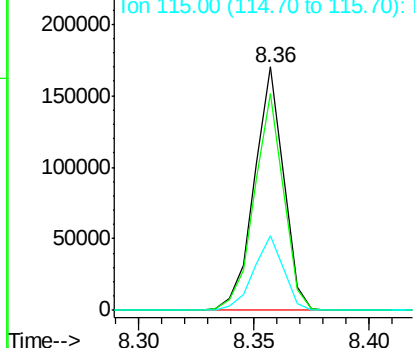
#37
2-Methylnaphthalene
Concen: 6.24 ng
RT: 8.36 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

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

Tot Ion:142 Resp: 151431
Ion Ratio Lower Upper
142 100
141 89.2 71.3 106.9
115 30.7 27.1 40.7

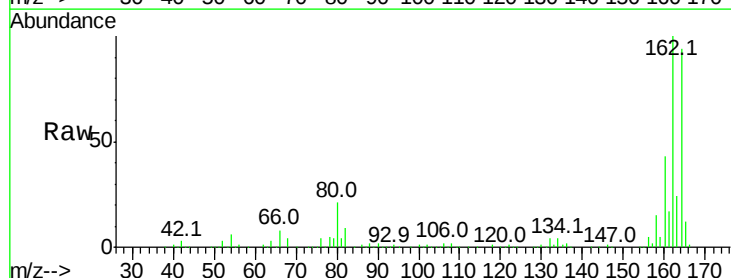


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

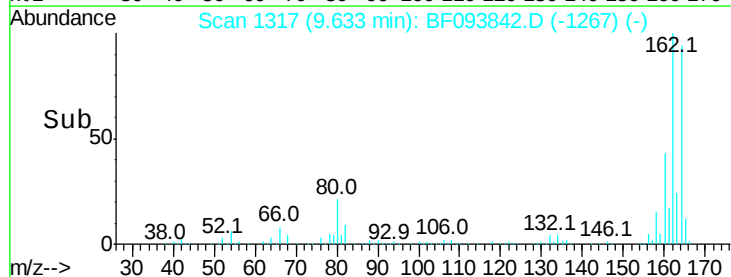
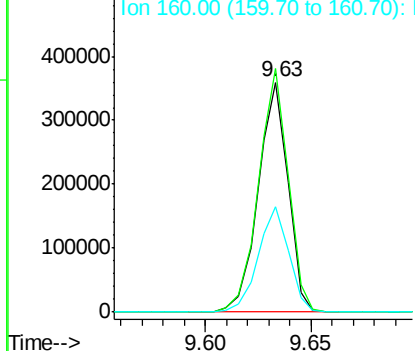


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:164 Resp: 351615
Ion Ratio Lower Upper
164 100
162 105.9 82.6 123.8
160 45.9 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

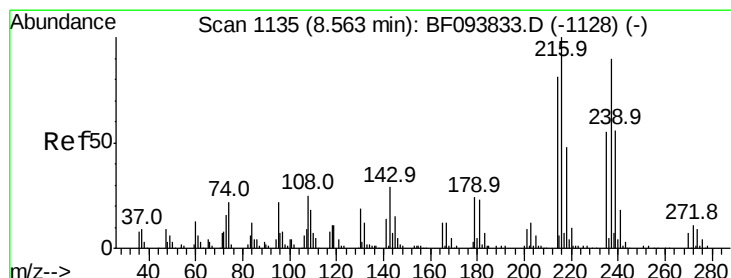
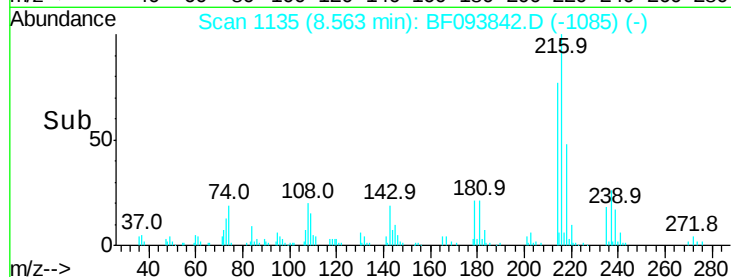
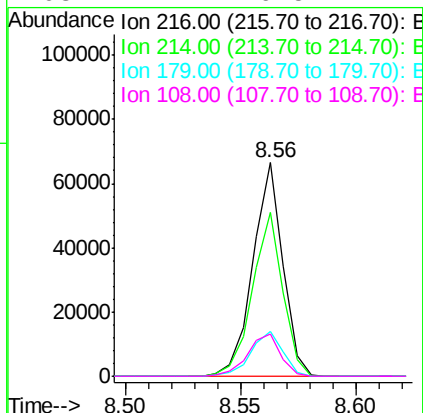
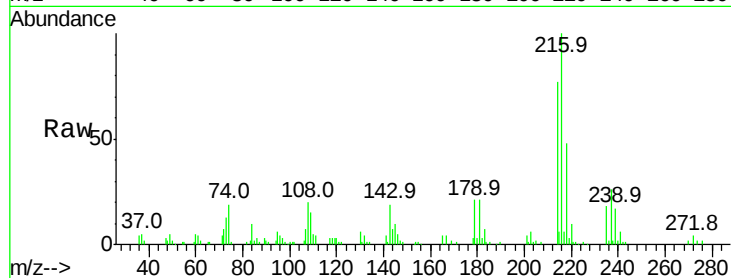




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 6.27 ng
 RT: 8.56 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

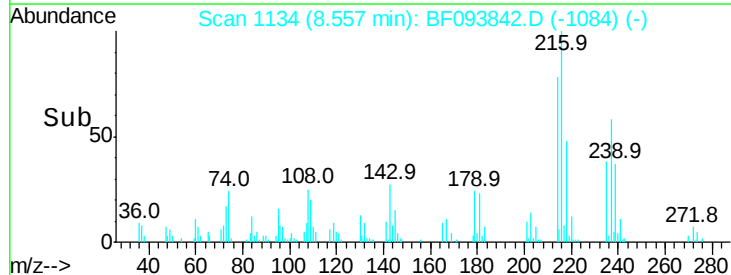
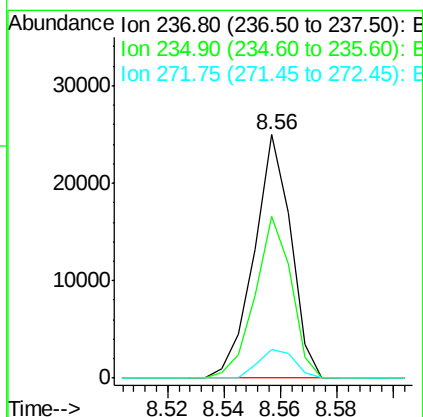
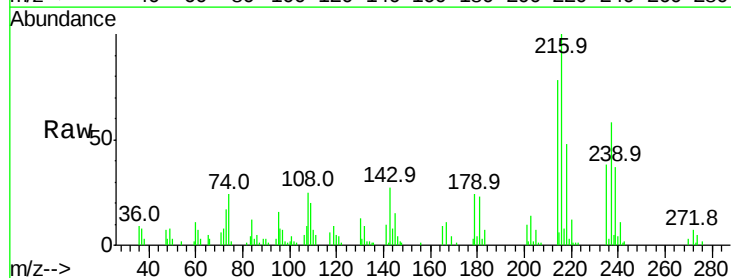
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

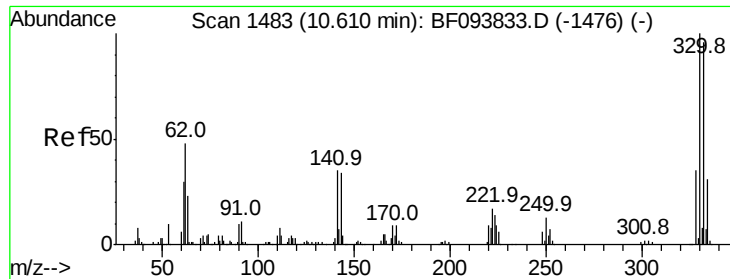
Tot Ion:	216	Resp:	60299
Ion	Ratio	Lower	Upper
216	100		
214	77.5	63.4	95.2
179	22.5	17.9	26.9
108	21.7	16.5	24.7



#40
 Hexachlorocyclopentadiene
 Concen: 5.02 ng
 RT: 8.56 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:	237	Resp:	22611
Ion	Ratio	Lower	Upper
237	100		
235	66.5	42.6	82.6
272	11.5	0.0	31.9

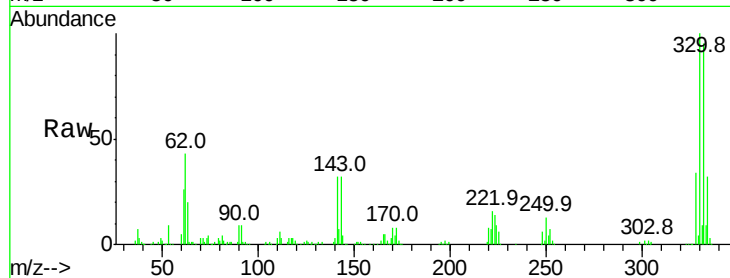




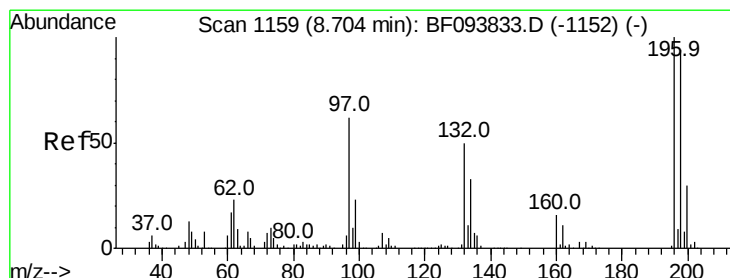
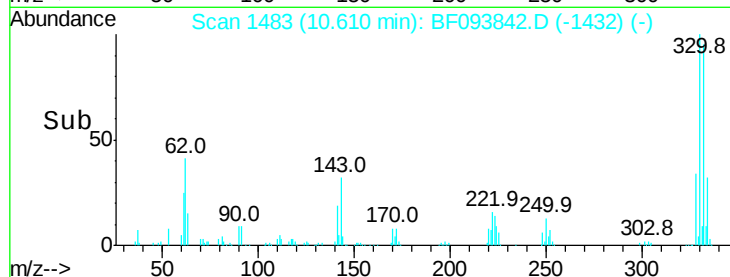
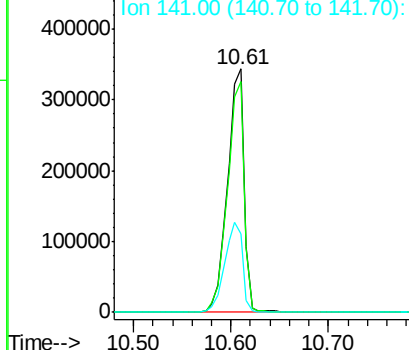
#41
 2,4,6-Tribromophenol
 Concen: 146.62 ng
 RT: 10.61 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	39.7	31.4	47.2

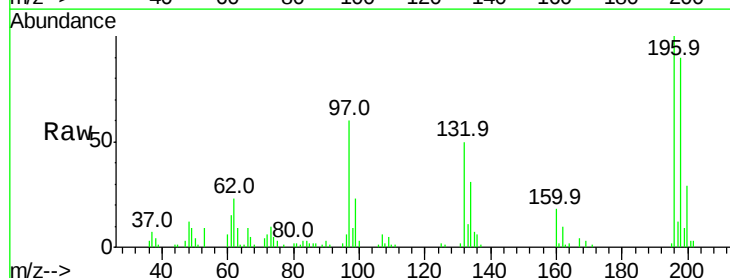


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

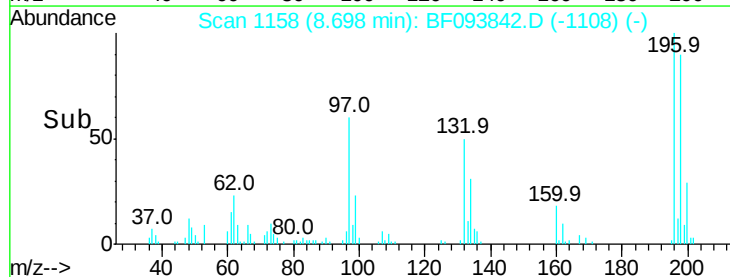
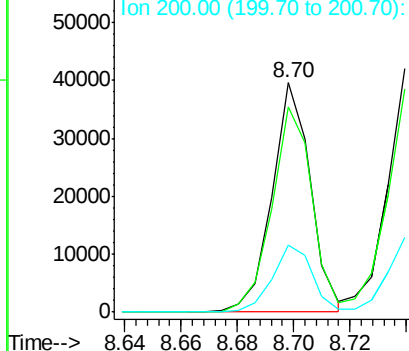


#42
 2,4,6-Trichlorophenol
 Concen: 5.49 ng
 RT: 8.70 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion	Ratio	Lower	Upper
196	100		
198	89.7	74.2	111.4
200	29.2	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



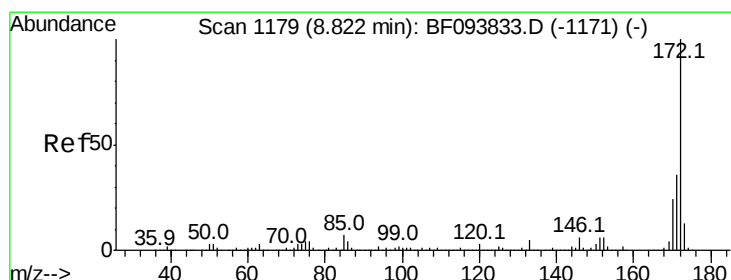
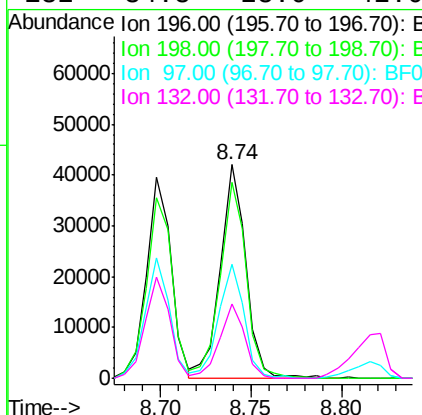
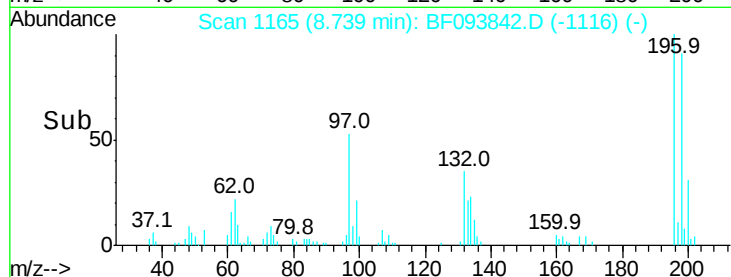
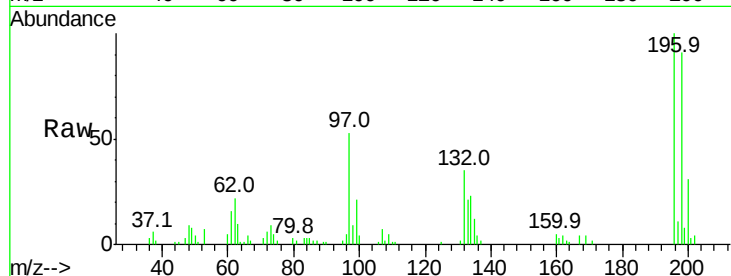


#43
 2,4,5-Trichlorophenol
 Concen: 5.62 ng
 RT: 8.74 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

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

Tot Ion:196 Resp: 41377

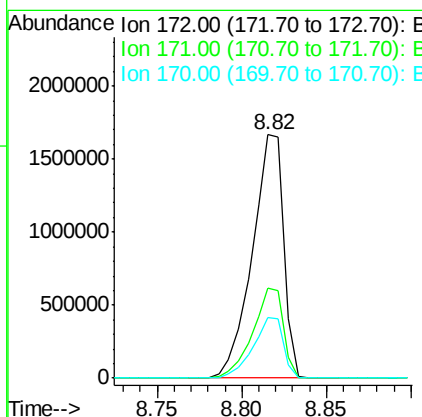
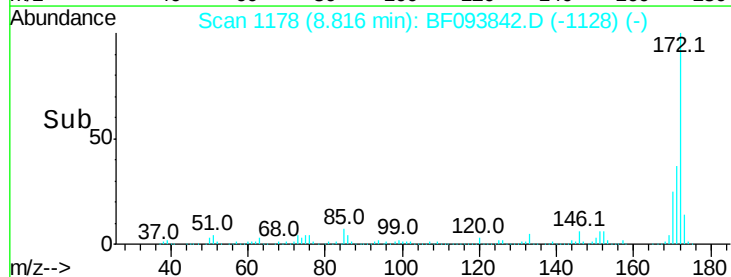
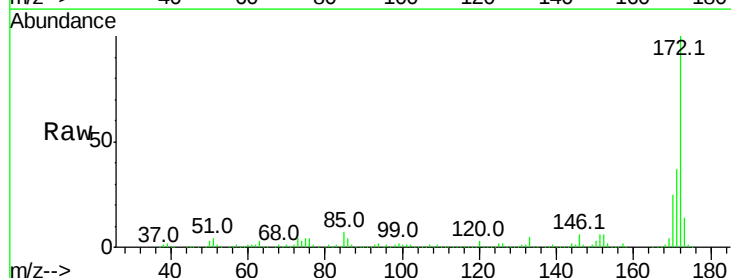
Ion	Ratio	Lower	Upper
196	100		
198	91.4	75.7	113.5
97	53.5	47.7	71.5
132	34.8	28.0	42.0



#44
 2-Fluorobiphenyl
 Concen: 93.22 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:172 Resp: 2148870

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.7	19.8	29.8





#45

1,1'-Biphenyl

Concen: 6.40 ng

RT: 8.93 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

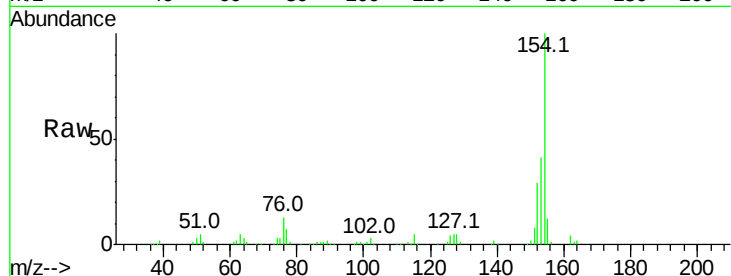
Tot Ion:154 Resp: 181415

Ion Ratio Lower Upper

154 100

153 41.0 21.2 61.2

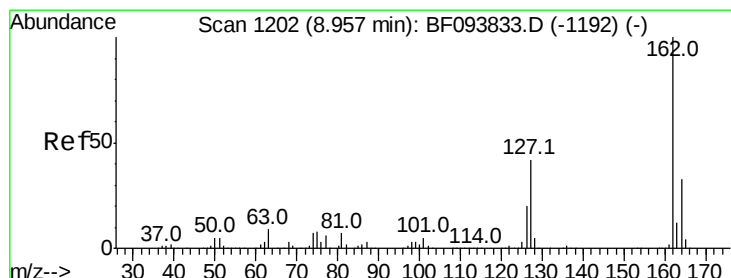
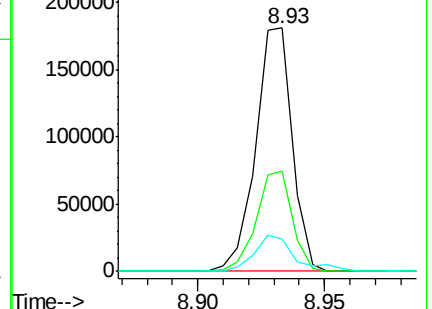
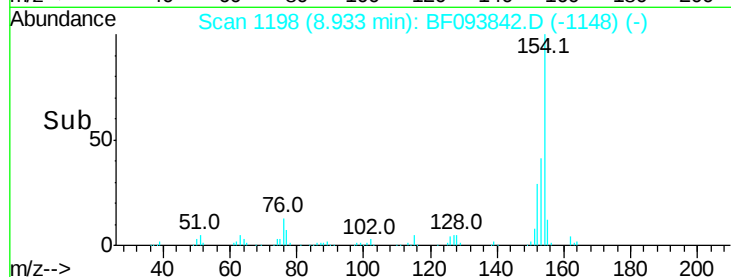
76 13.2 0.0 29.9



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: 6.20 ng

RT: 8.95 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

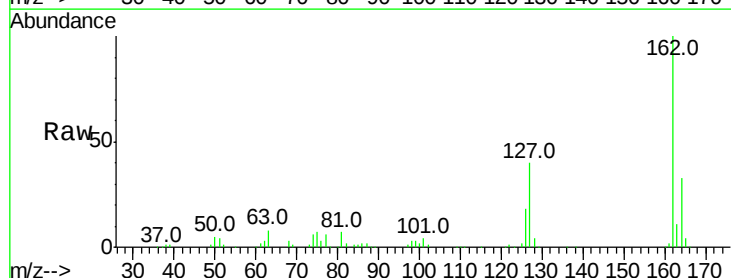
Tgt Ion:162 Resp: 137692

Ion Ratio Lower Upper

162 100

127 40.5 28.3 42.5

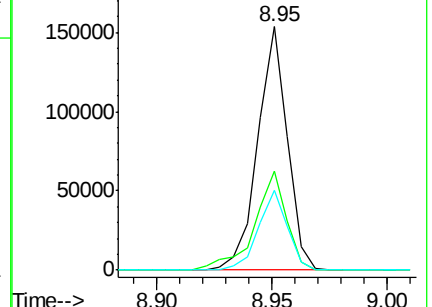
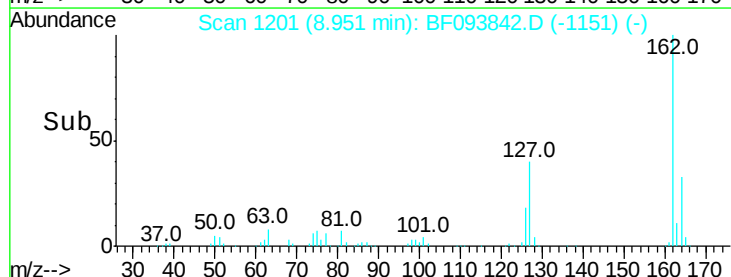
164 32.6 27.0 40.4

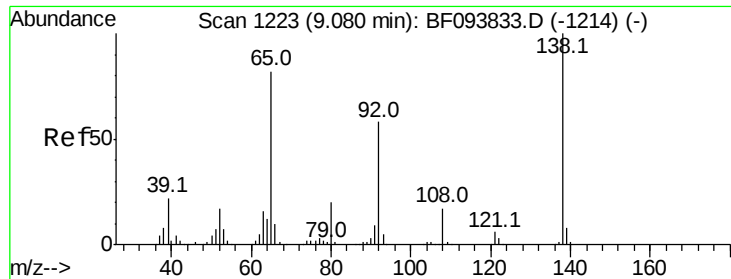


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

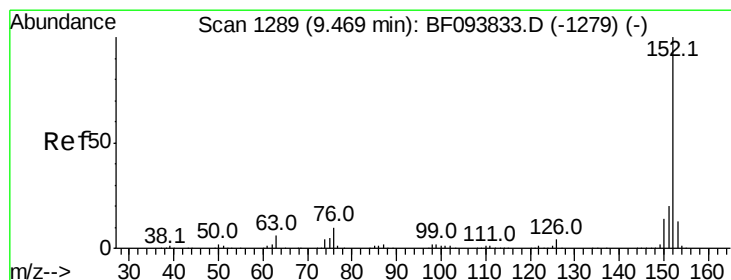
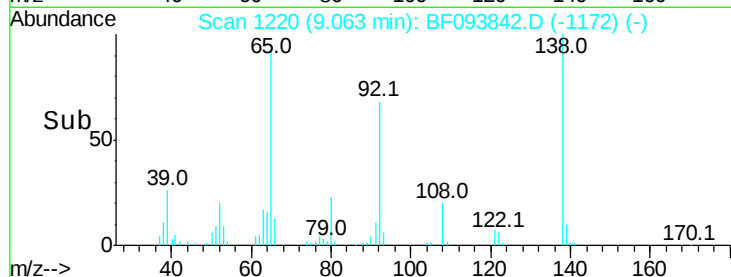
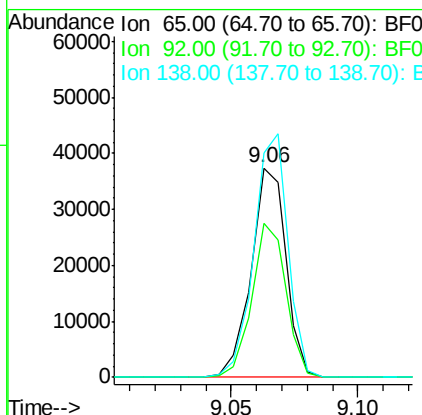
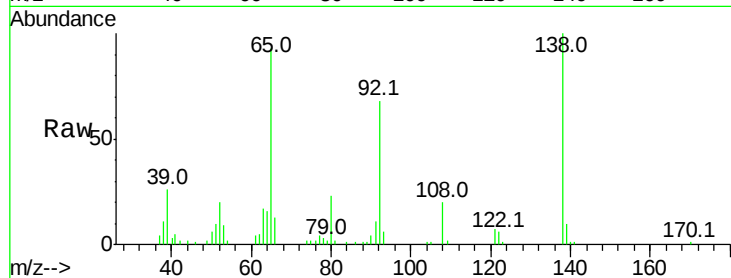




#47
2-Nitroaniline
Concen: 5.47 ng
RT: 9.06 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

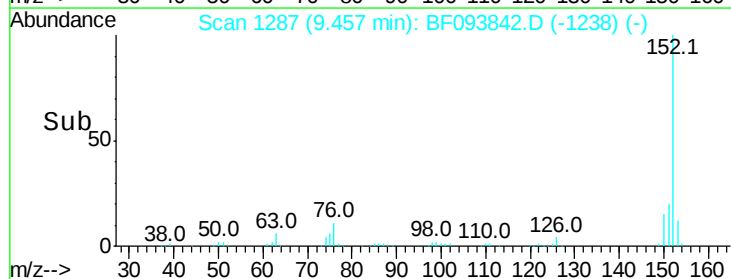
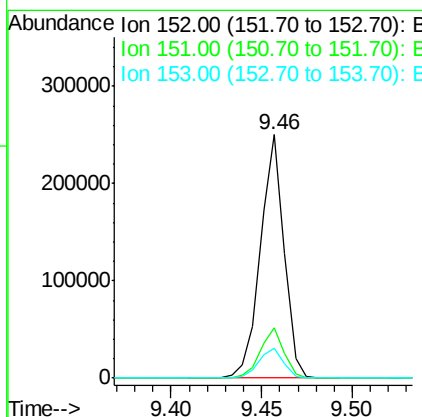
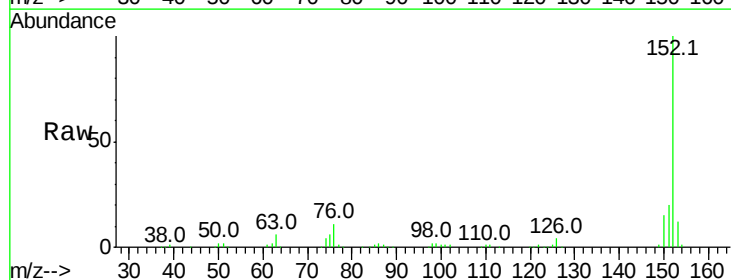
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion: 65 Resp: 36019
Ion Ratio Lower Upper
65 100
92 73.4 53.9 80.9
138 107.3 78.8 118.2



#48
Acenaphthylene
Concen: 6.16 ng
RT: 9.46 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion: 152 Resp: 227277
Ion Ratio Lower Upper
152 100
151 20.5 16.8 25.2
153 12.2 10.8 16.2





#49

Dimethylphthalate

Concen: 6.18 ng

RT: 9.31 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

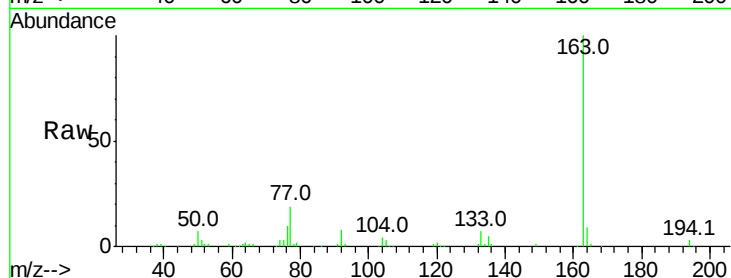
Tot Ion:163 Resp: 154455

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

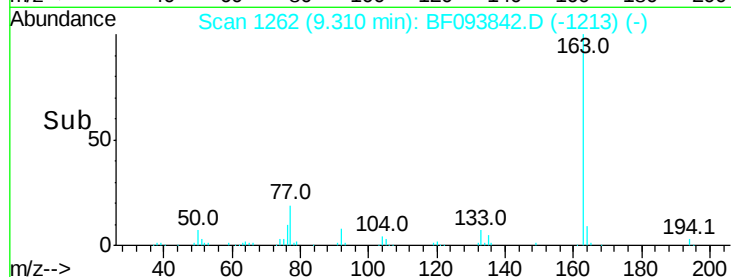
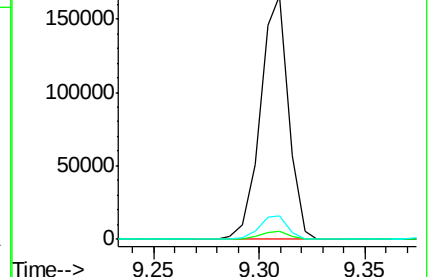
164 9.5 8.4 12.6



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: 5.52 ng

RT: 9.37 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

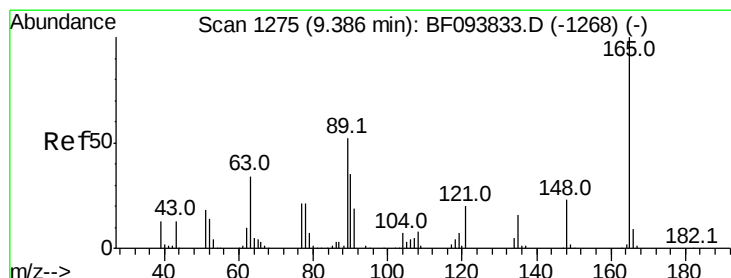
Tgt Ion:165 Resp: 31649

Ion Ratio Lower Upper

165 100

63 57.6 34.3 51.5#

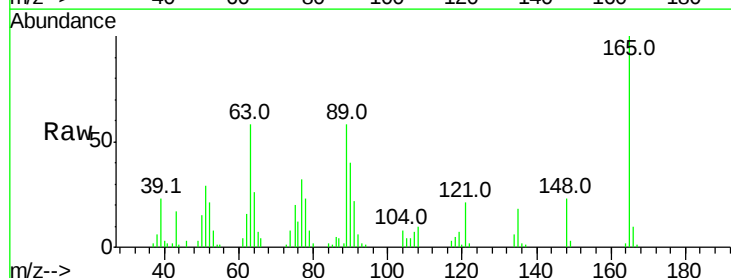
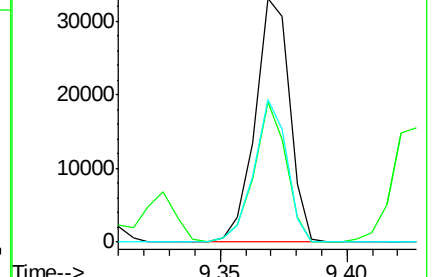
89 58.3 37.1 55.7#

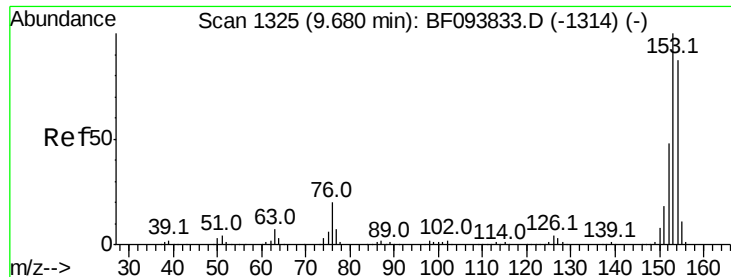


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 6.21 ng

RT: 9.67 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

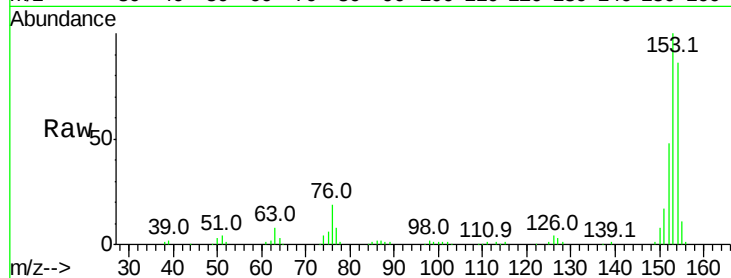
Tot Ion:154 Resp: 133761

Ion Ratio Lower Upper

154 100

153 116.9 90.5 135.7

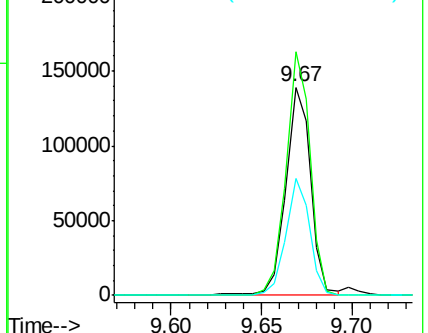
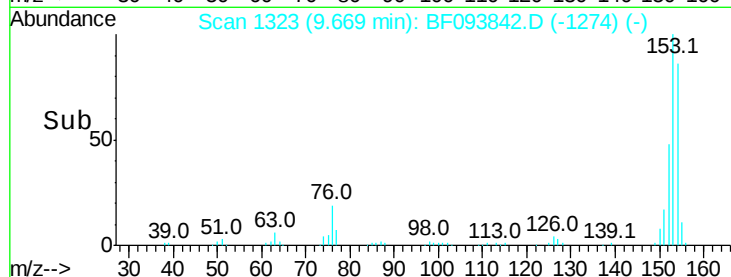
152 55.9 43.6 65.4



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: 5.63 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

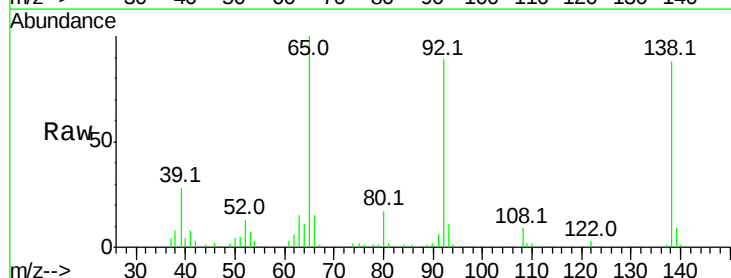
Tgt Ion:138 Resp: 37891

Ion Ratio Lower Upper

138 100

108 10.0 9.1 13.7

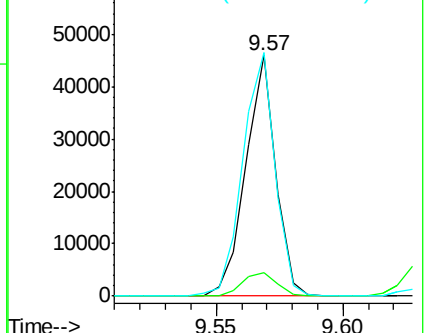
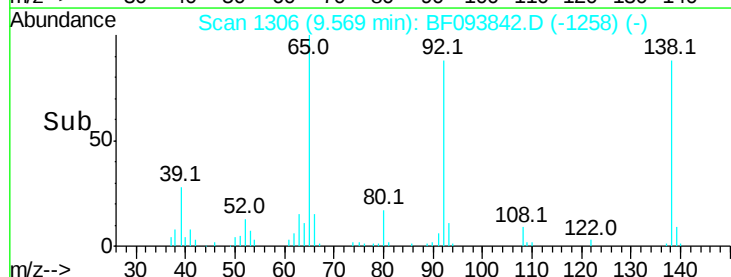
92 101.1 93.8 140.6



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

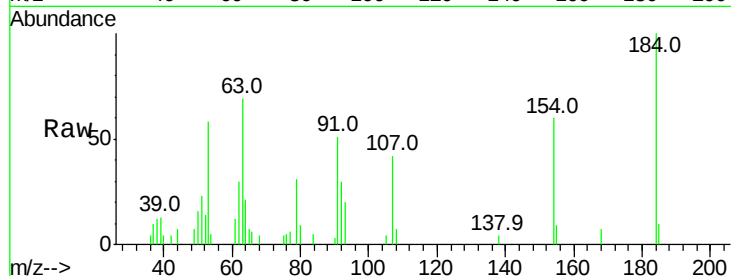




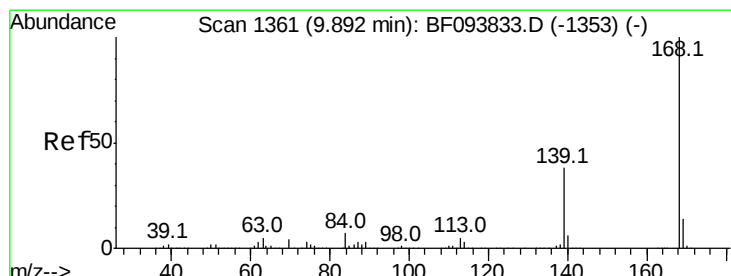
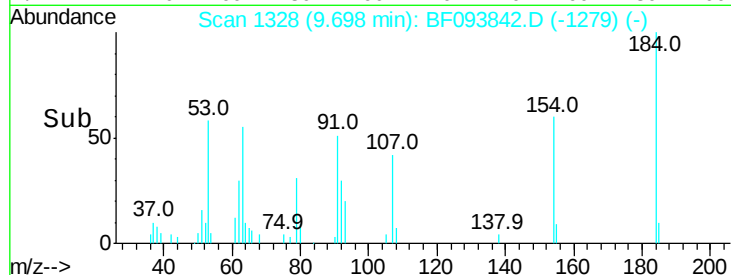
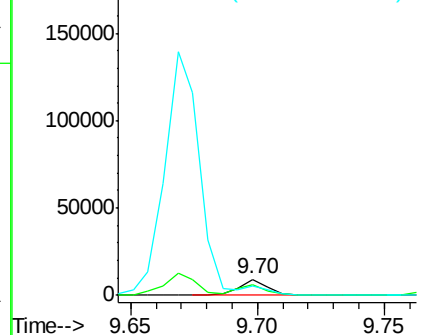
#53
 2,4-Dinitrophenol
 Concen: 6.94 ng
 RT: 9.70 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

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

Tot Ion:184 Resp: 7400
 Ion Ratio Lower Upper
 184 100
 63 69.4 62.7 94.1
 154 59.9 81.1 121.7#

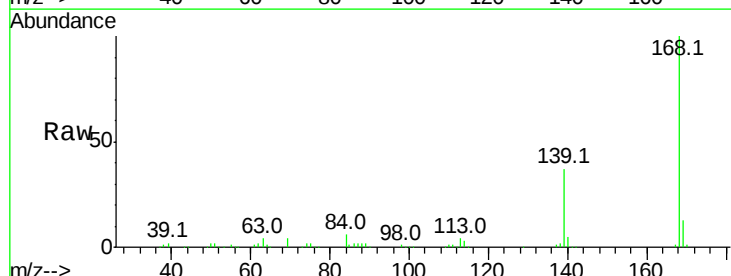


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

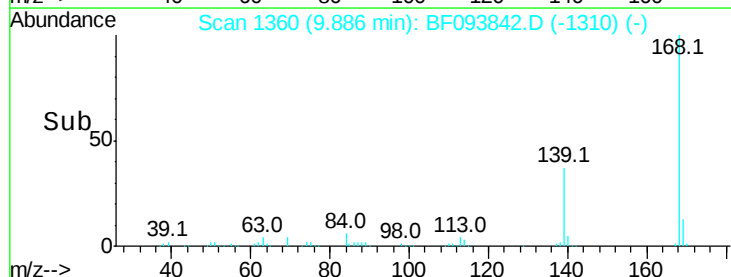
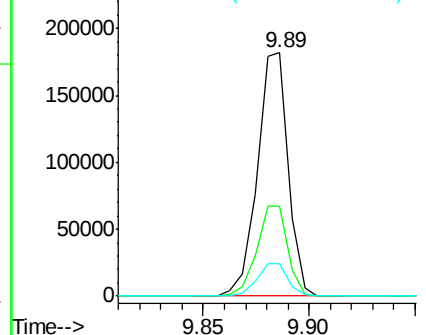


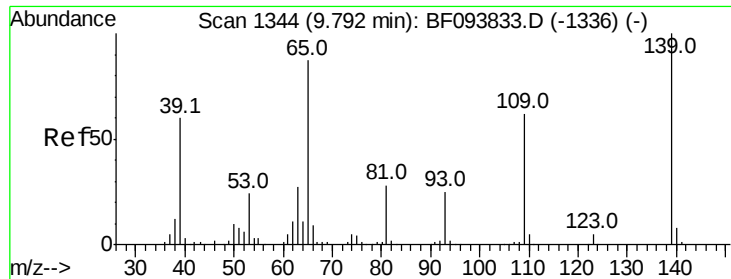
#54
 Dibenzofuran
 Concen: 6.30 ng
 RT: 9.89 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:168 Resp: 184596
 Ion Ratio Lower Upper
 168 100
 139 37.1 30.6 45.8
 169 13.3 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

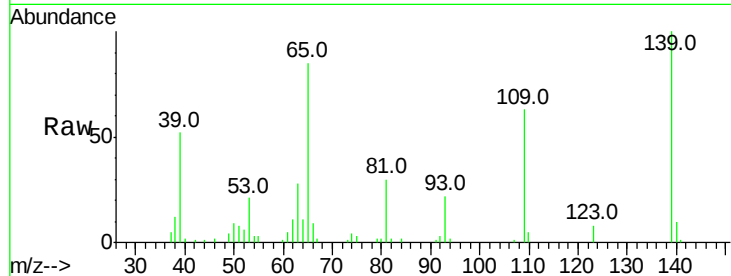




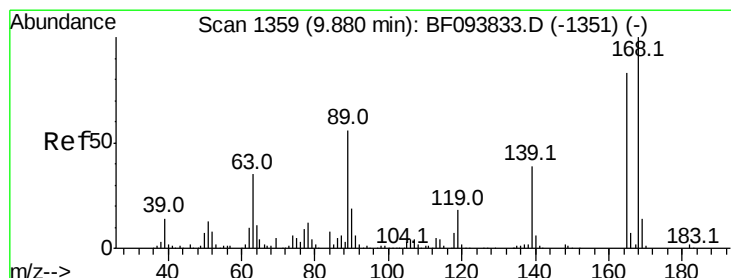
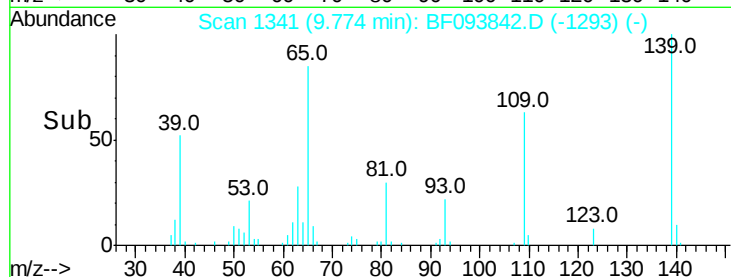
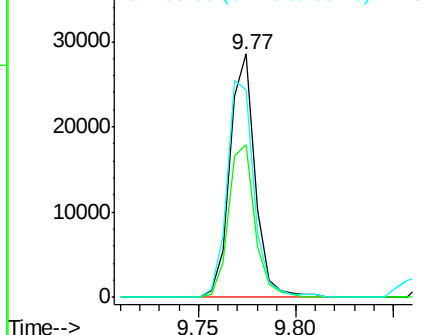
#55
4-Nitrophenol
Concen: 4.87 ng
RT: 9.77 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

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

Tot Ion:139 Resp: 25678
Ion Ratio Lower Upper
139 100
109 62.8 34.1 74.1
65 85.2 31.4 71.4#

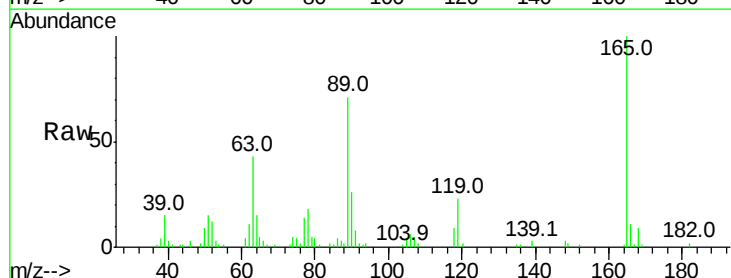


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BFO

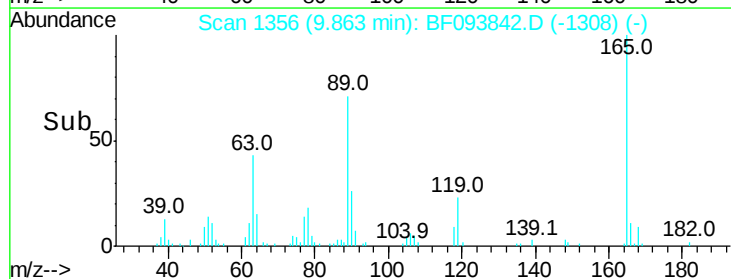
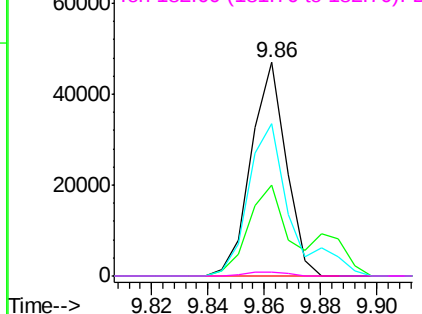


#56
2,4-Dinitrotoluene
Concen: 5.61 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:165 Resp: 40358
Ion Ratio Lower Upper
165 100
63 42.5 25.4 38.0#
89 71.3 46.4 69.6#
182 2.0 1.8 2.6



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

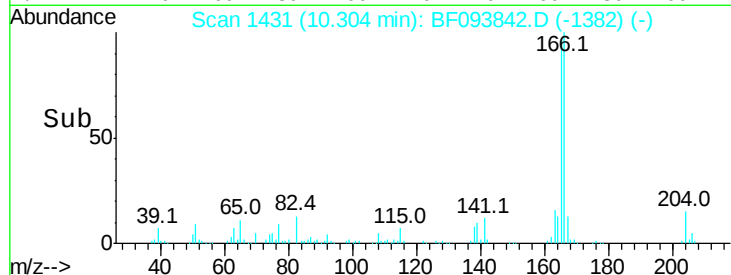
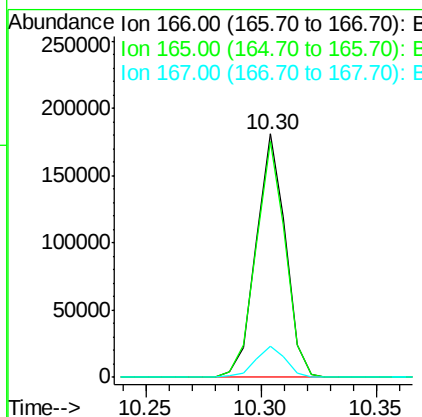
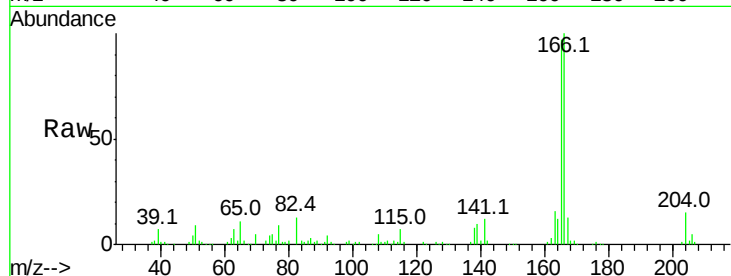




#57
Fluorene
 Concen: 6.60 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

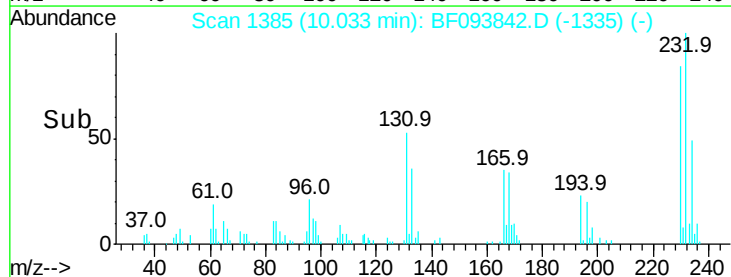
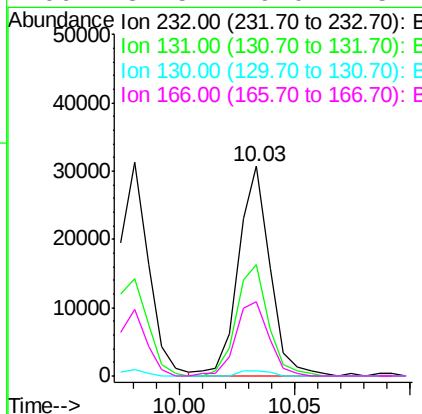
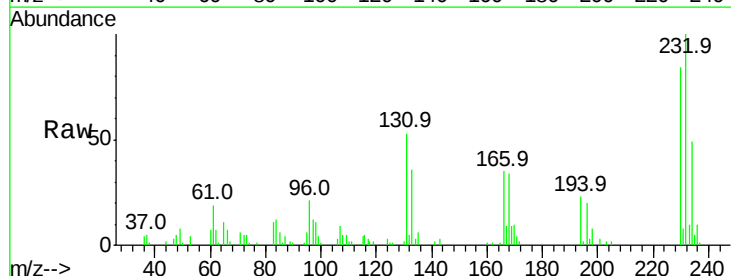
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

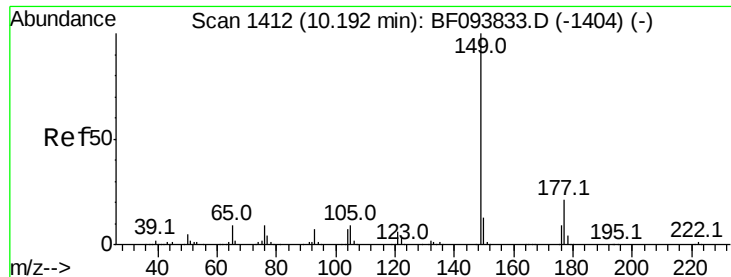
Tot Ion:	166	Resp:	160494
Ion Ratio	Lower	Upper	
166	100		
165	96.7	78.8	118.2
167	12.9	10.6	16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 5.81 ng
 RT: 10.03 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:	232	Resp:	29380
Ion Ratio	Lower	Upper	
232	100		
131	53.9	44.8	67.2
130	2.3	2.3	3.5
166	37.5	29.0	43.4

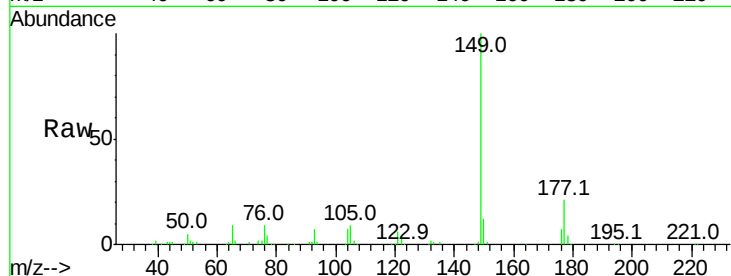




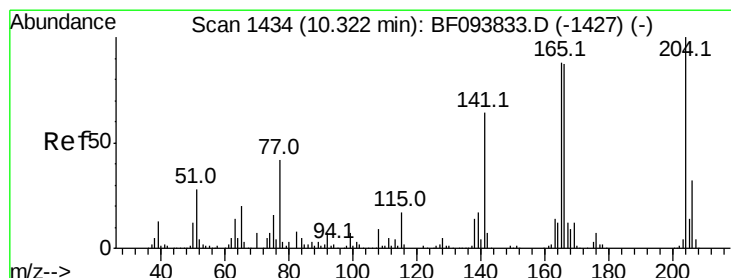
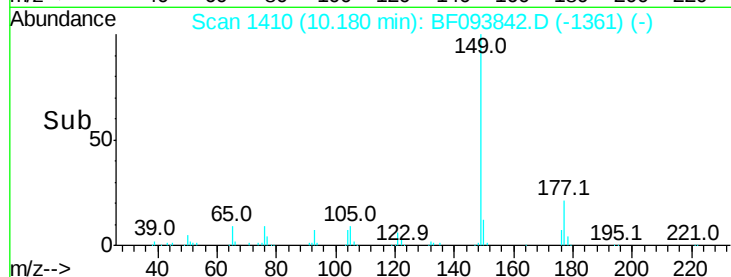
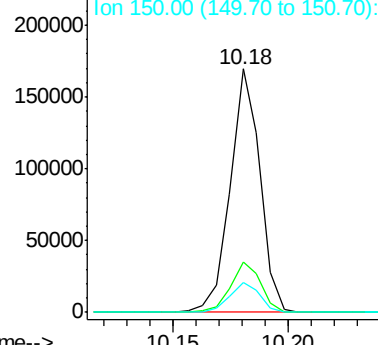
#59
Diethylphthalate
Concen: 6.17 ng
RT: 10.18 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

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

Tot Ion:149 Resp: 152539
Ion Ratio Lower Upper
149 100
177 20.8 16.7 25.1
150 12.2 10.2 15.2

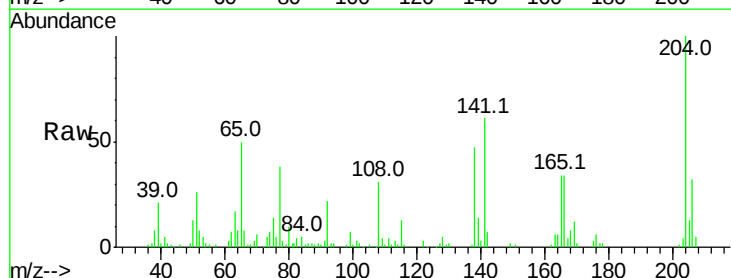


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

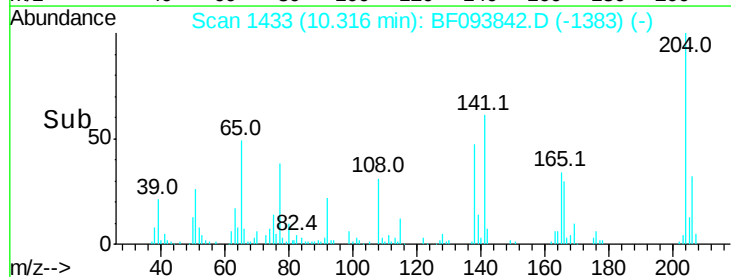
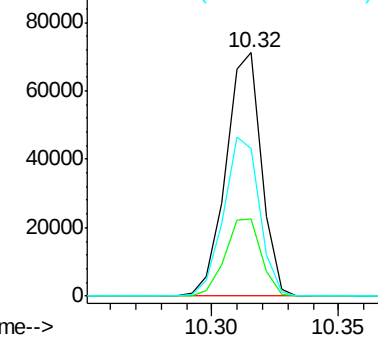


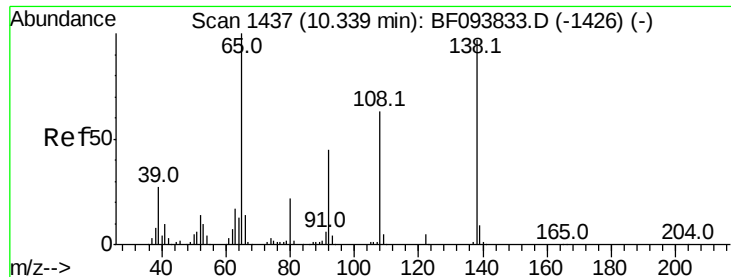
#60
4-Chlorophenyl-phenylether
Concen: 6.70 ng
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:204 Resp: 69411
Ion Ratio Lower Upper
204 100
206 31.5 26.2 39.2
141 60.6 60.8 91.2#



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





#61

4-Nitroaniline

Concen: 5.47 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.03 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

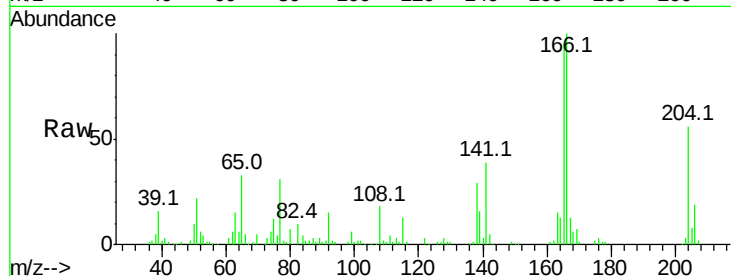
Tot Ion:138 Resp: 35298

Ion Ratio Lower Upper

138 100

92 49.8 21.8 61.8

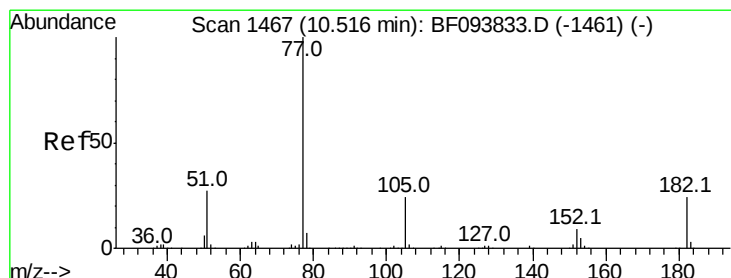
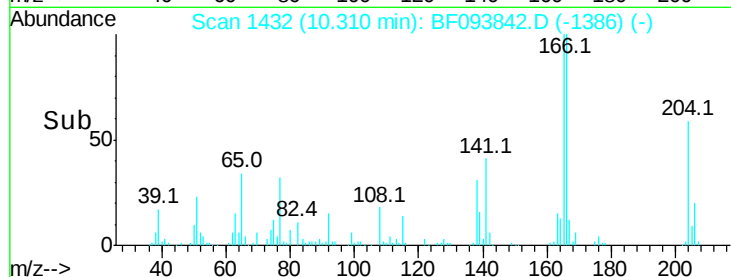
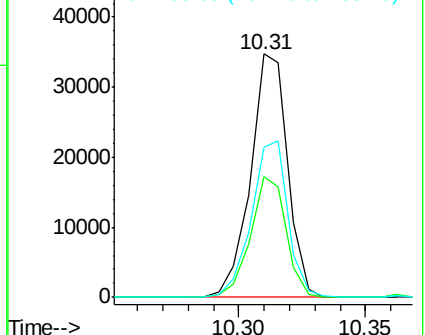
108 61.6 42.3 82.3



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: 5.95 ng

RT: 10.51 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Tgt Ion: 77 Resp: 139023

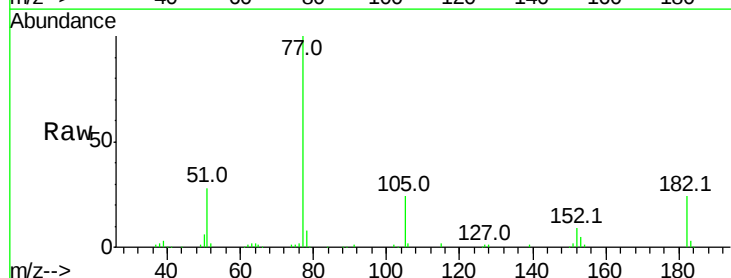
Ion Ratio Lower Upper

77 100

182 24.4 0.1 40.1

105 24.4 3.6 43.6

51 28.2 9.4 49.4

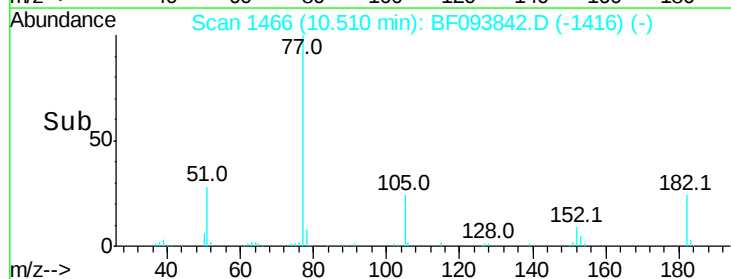
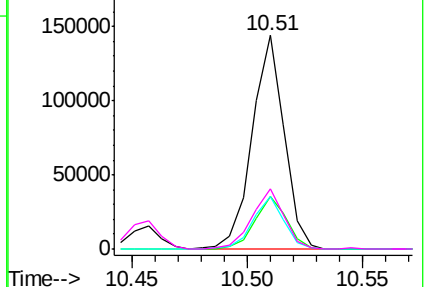


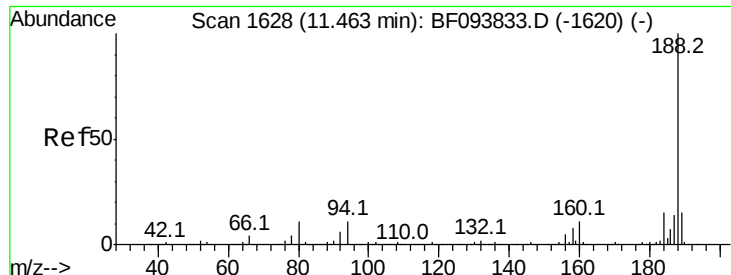
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

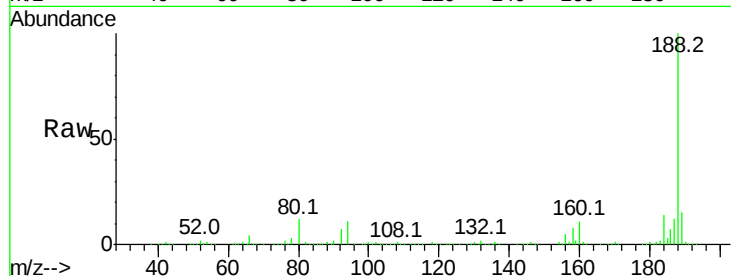




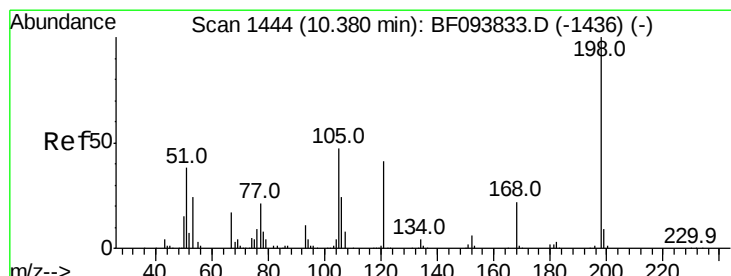
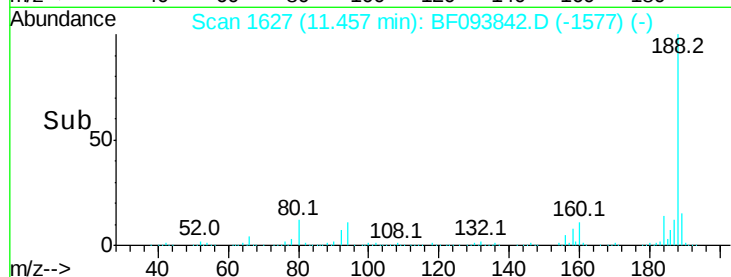
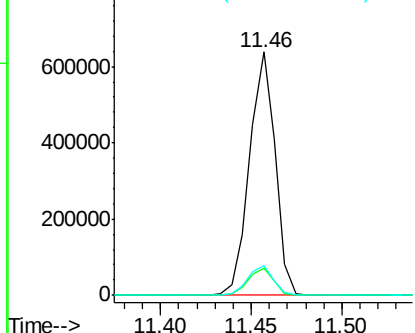
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

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

Tot Ion:188 Resp: 629128
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 12.4 10.2 15.2

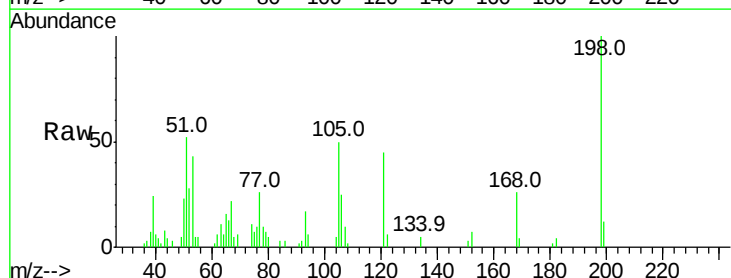


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

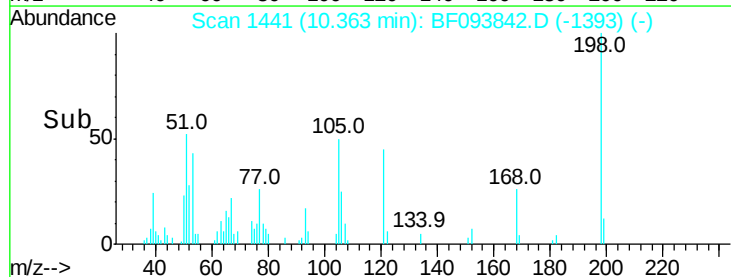
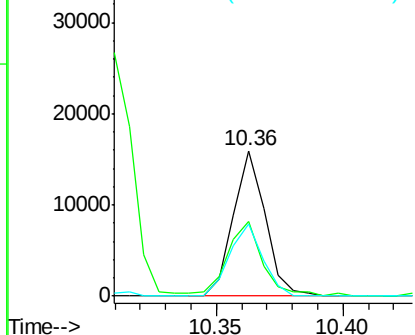


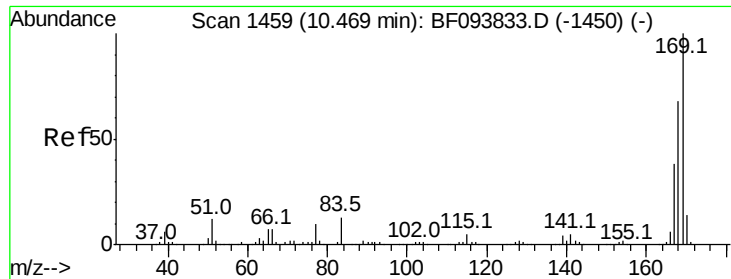
#64
4,6-Dinitro-2-methylphenol
Concen: 3.62 ng
RT: 10.36 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:198 Resp: 13946
Ion Ratio Lower Upper
198 100
51 51.6 53.2 93.2#
105 49.8 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

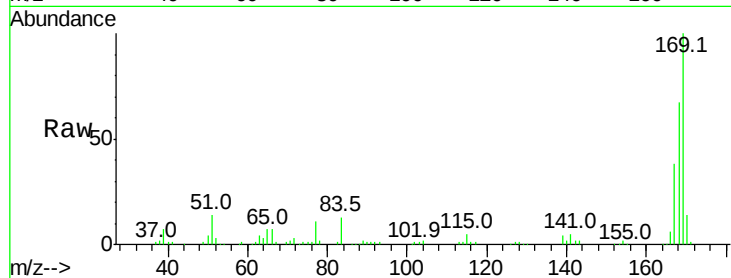




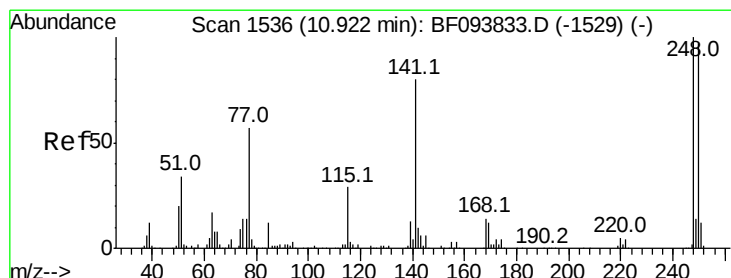
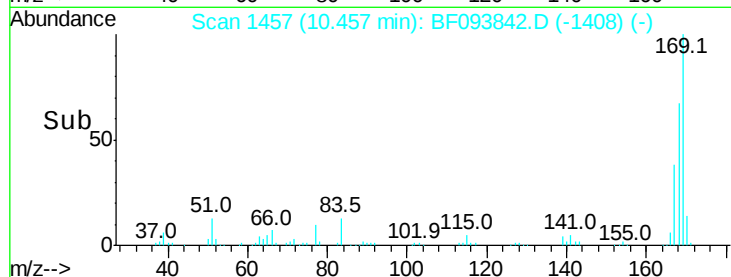
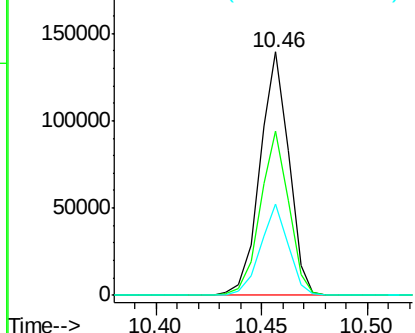
#65
 n-Nitrosodiphenylamine
 Concen: 6.09 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

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

Tot Ion:169 Resp: 132398
 Ion Ratio Lower Upper
 169 100
 168 67.3 53.2 79.8
 167 37.6 29.5 44.3

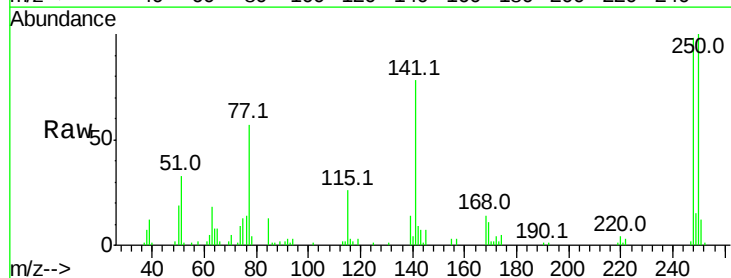


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

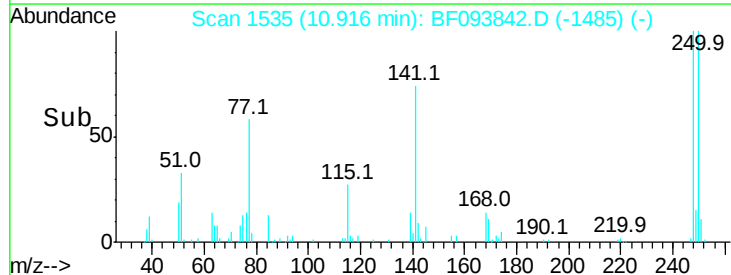
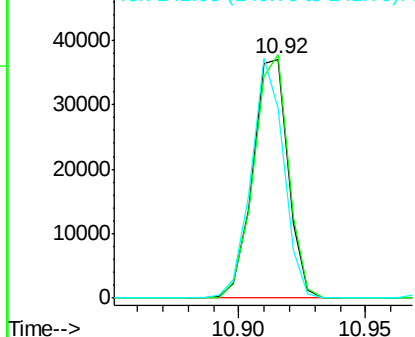


#66
 4-Bromophenyl-phenylether
 Concen: 5.85 ng
 RT: 10.92 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:248 Resp: 36219
 Ion Ratio Lower Upper
 248 100
 250 101.8 76.8 115.2
 141 79.3 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: 6.01 ng

RT: 10.98 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

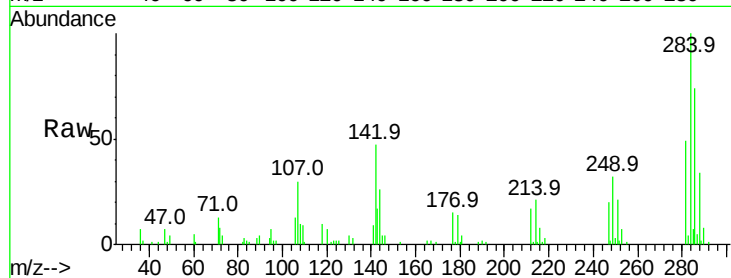
Tot Ion:284 Resp: 37646

Ion Ratio Lower Upper

284 100

142 46.8 22.8 34.2#

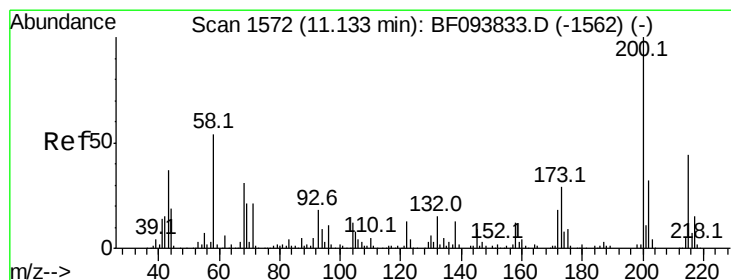
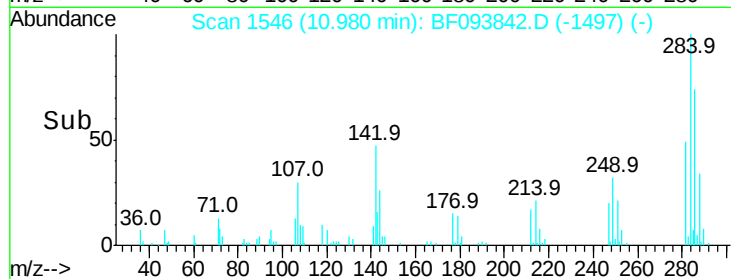
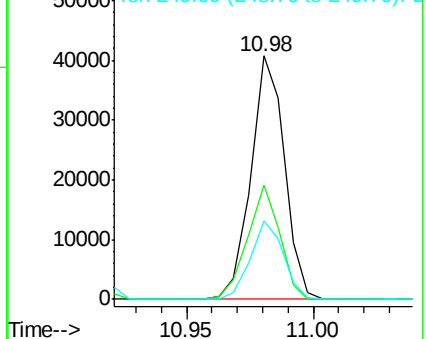
249 32.2 24.0 36.0



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: 5.96 ng

RT: 11.12 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

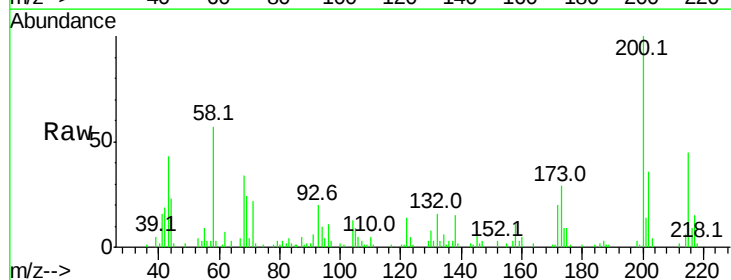
Tgt Ion:200 Resp: 38818

Ion Ratio Lower Upper

200 100

173 29.0 6.3 46.3

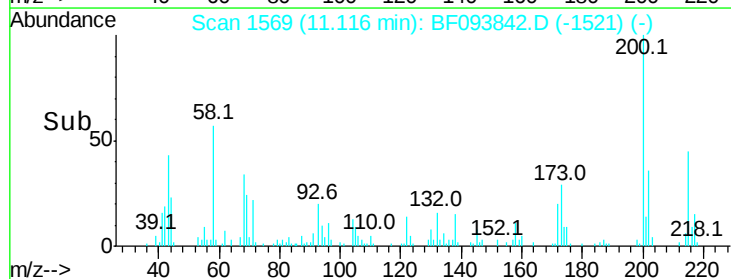
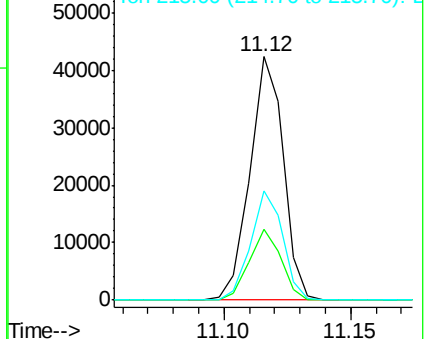
215 44.8 27.2 67.2



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: 4.48 ng

RT: 11.22 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

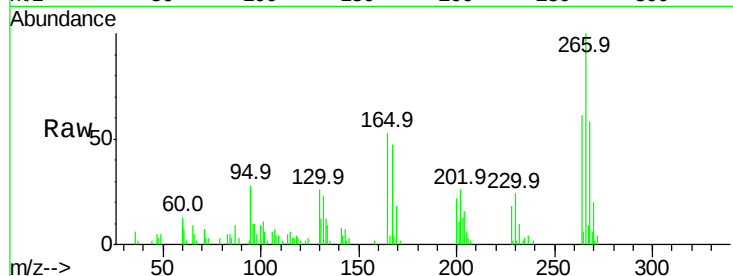
Tot Ion:266 Resp: 17460

Ion Ratio Lower Upper

266 100

268 58.0 51.1 76.7

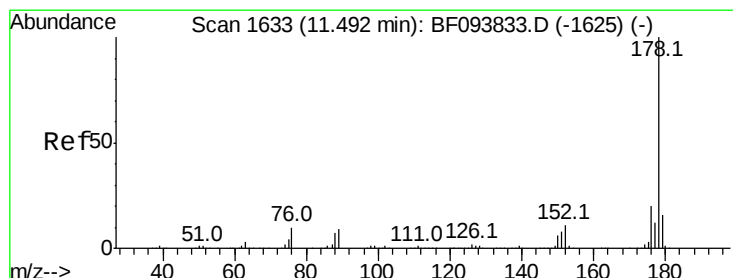
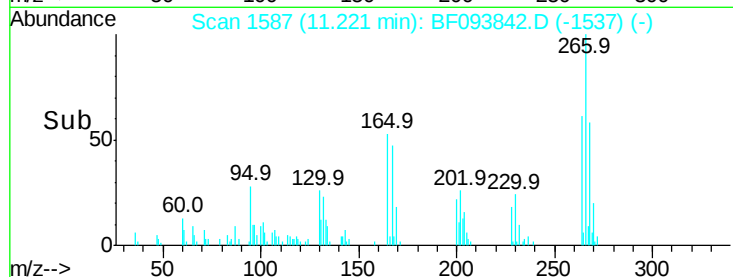
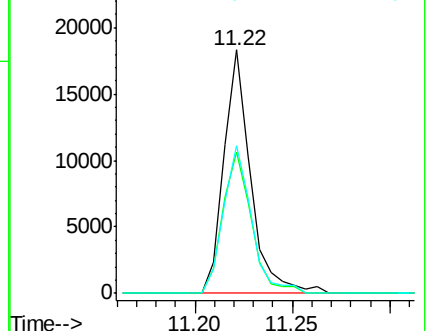
264 60.9 51.7 77.5



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70

Phenanthrene

Concen: 6.28 ng

RT: 11.49 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

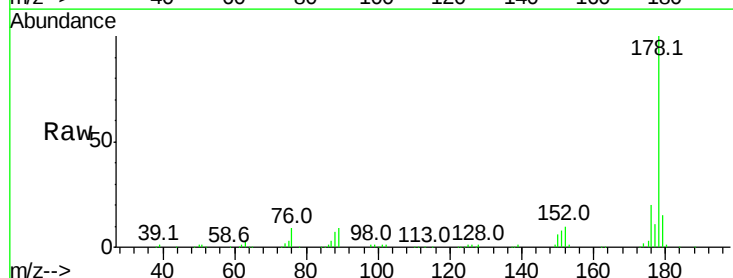
Tgt Ion:178 Resp: 219923

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

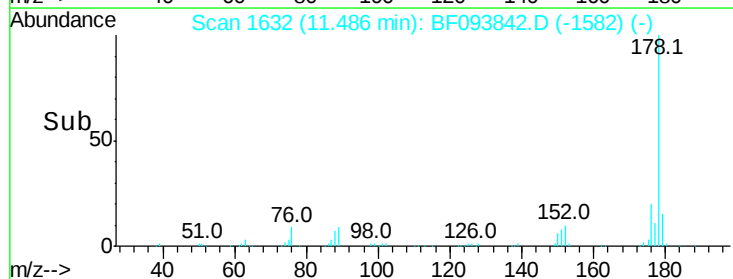
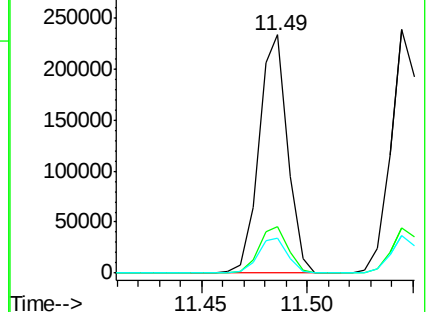
179 14.7 12.6 19.0

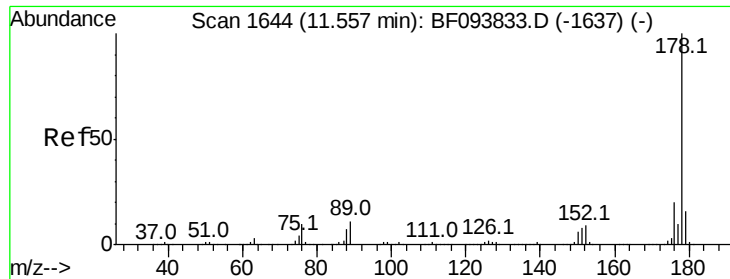


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

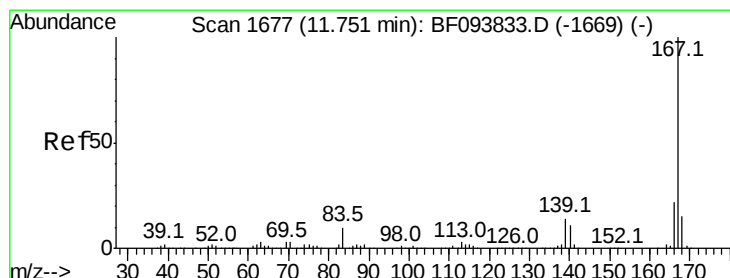
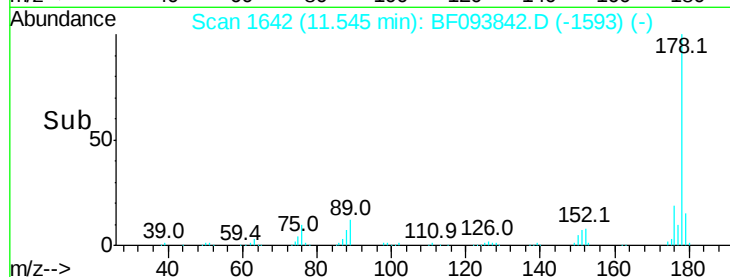
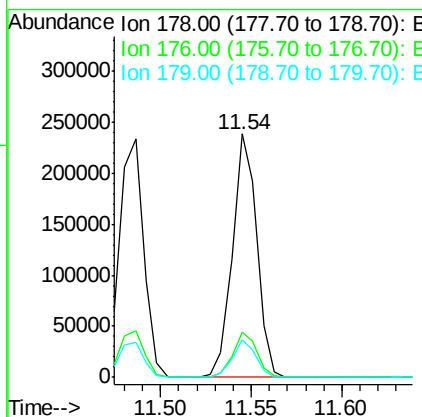
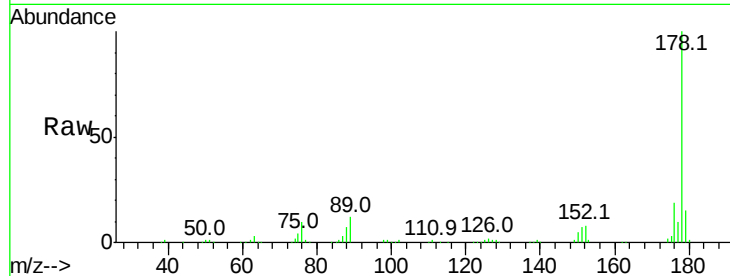




#71
 Anthracene
 Concen: 6.20 ng
 RT: 11.54 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

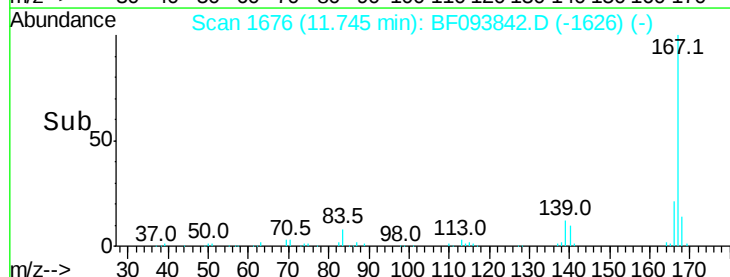
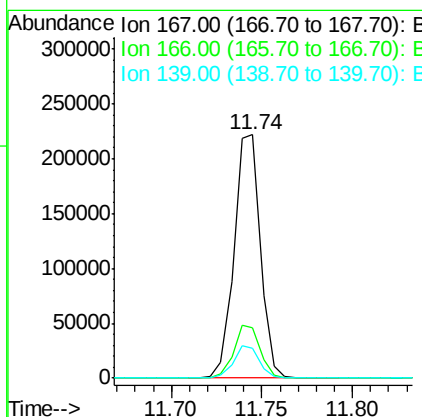
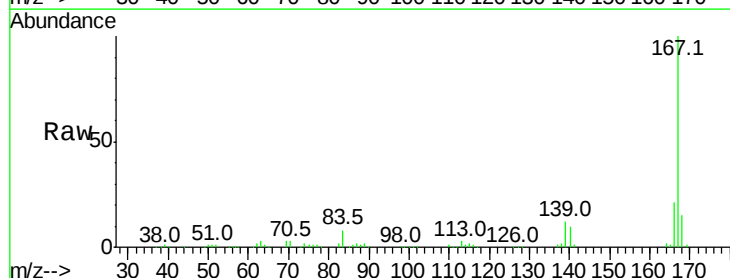
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

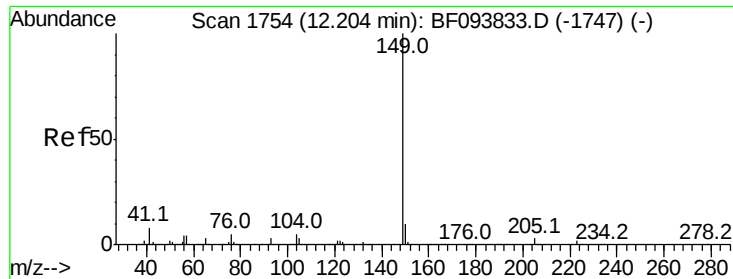
Tot Ion:178 Resp: 223589
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.8
 179 15.3 12.7 19.1



#72
 Carbazole
 Concen: 6.05 ng
 RT: 11.74 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:167 Resp: 223386
 Ion Ratio Lower Upper
 167 100
 166 20.9 18.1 27.1
 139 12.2 11.7 17.5

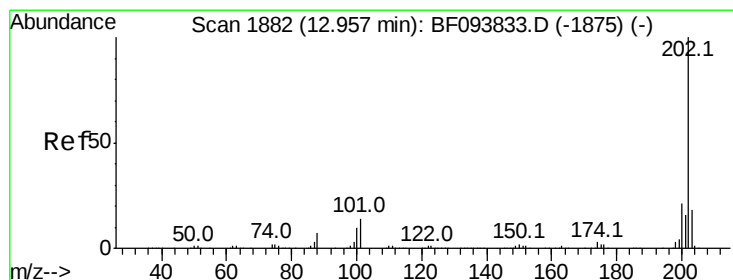
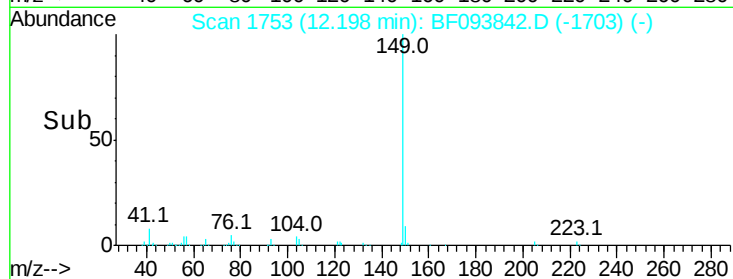
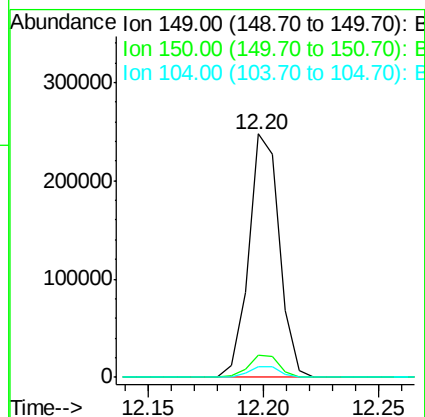
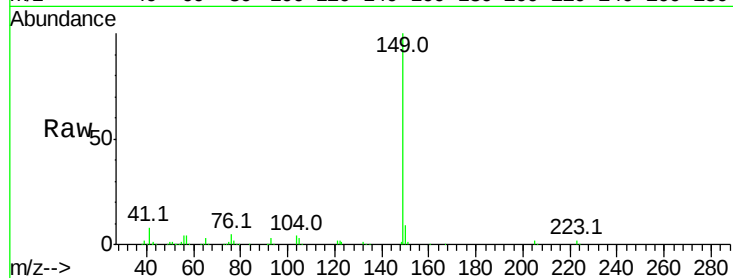




#73
Di-n-butylphthalate
Concen: 5.98 ng
RT: 12.20 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

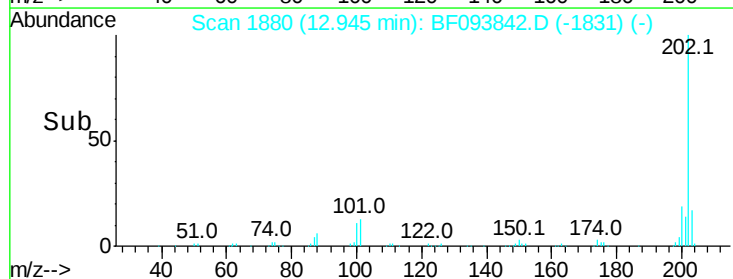
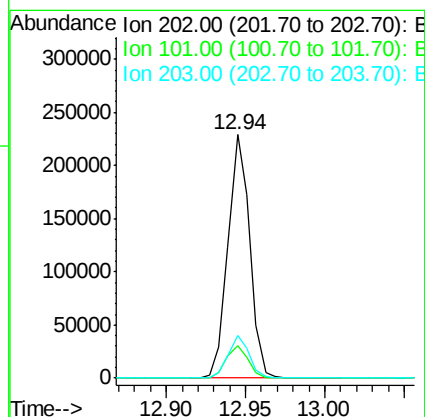
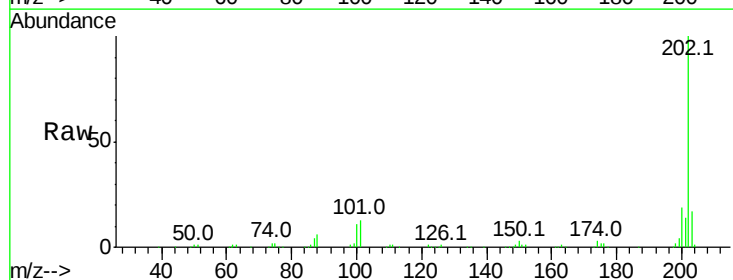
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

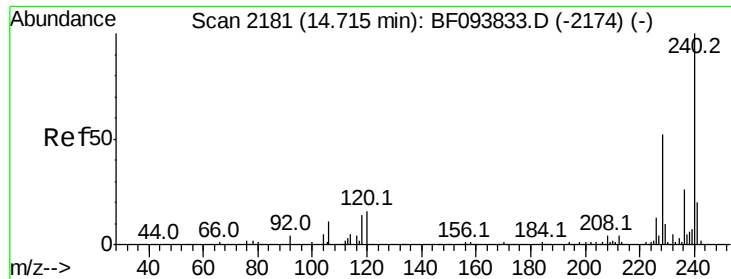
Tot Ion:149 Resp: 229627
Ion Ratio Lower Upper
149 100
150 9.1 7.7 11.5
104 4.4 4.0 6.0



#74
Fluoranthene
Concen: 6.06 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:202 Resp: 217323
Ion Ratio Lower Upper
202 100
101 13.2 0.0 33.2
203 17.3 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: BF093842.D

Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

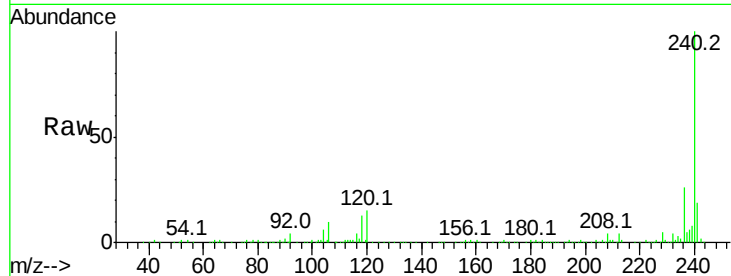
Tot Ion:240 Resp: 531307

Ion Ratio Lower Upper

240 100

120 14.7 5.8 8.8#

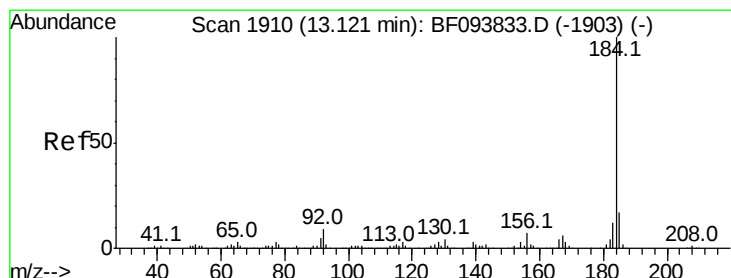
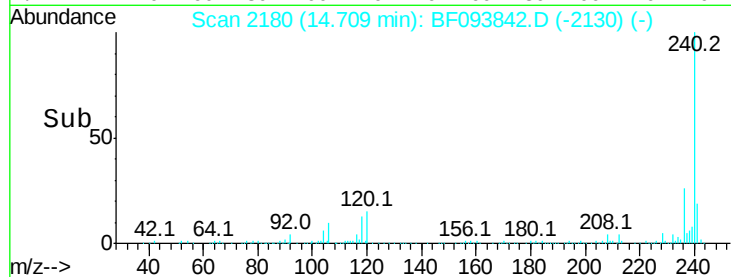
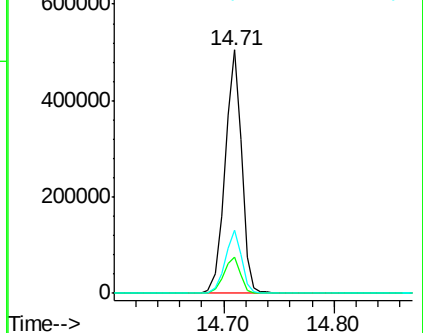
236 25.7 20.5 30.7



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: 5.02 ng

RT: 13.11 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BF093842.D

Acq: 22 Mar 2017 19:51

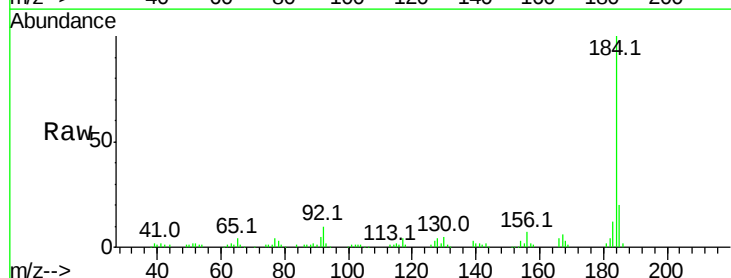
Tgt Ion:184 Resp: 105503

Ion Ratio Lower Upper

184 100

185 20.4 15.5 23.3

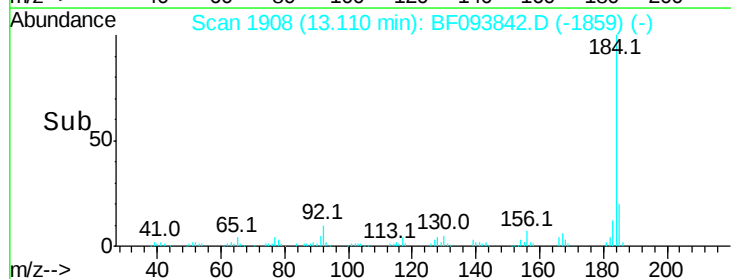
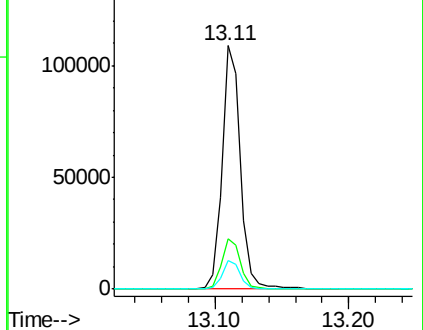
183 12.0 9.8 14.6

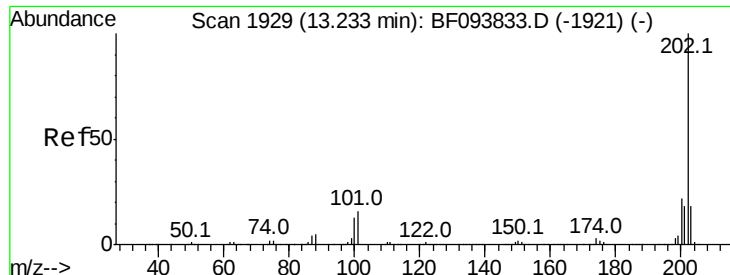


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

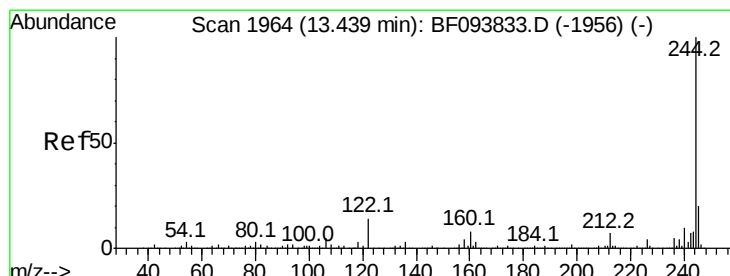
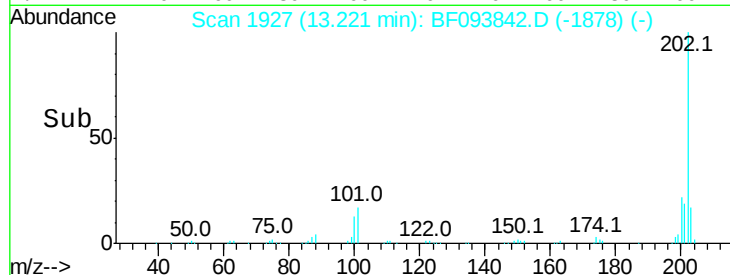
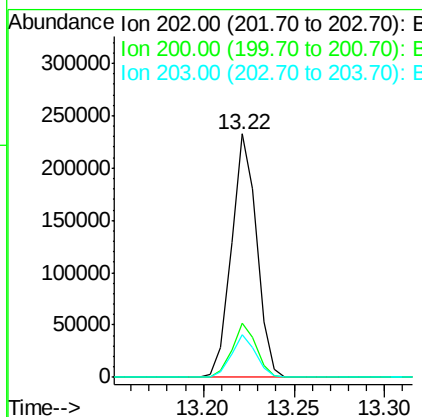
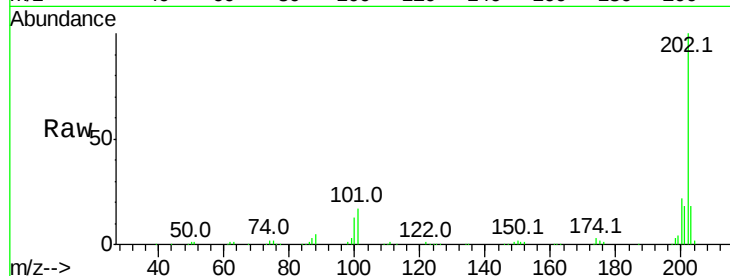




#77
 Pvrene
 Concen: 5.82 ng
 RT: 13.22 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

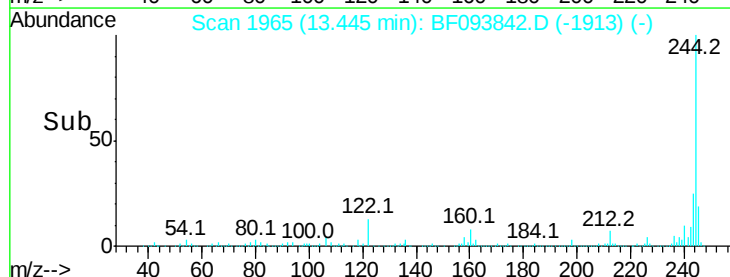
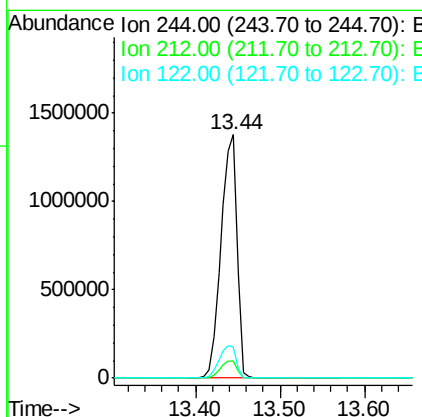
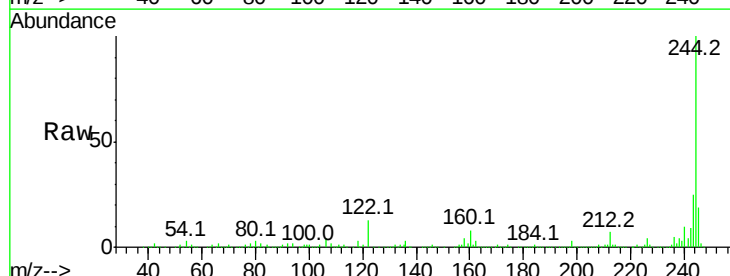
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:202 Resp: 224583
 Ion Ratio Lower Upper
 202 100
 200 22.3 17.6 26.4
 203 17.5 14.4 21.6



#78
 Terphenyl-d14
 Concen: 77.11 ng
 RT: 13.44 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:244 Resp: 1827802
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.7 10.3 15.5

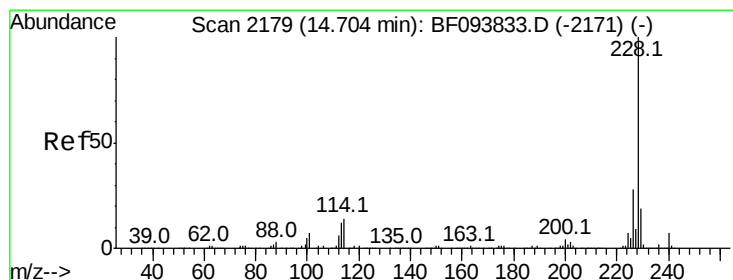
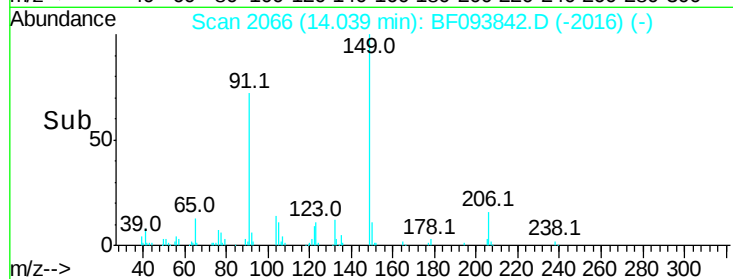
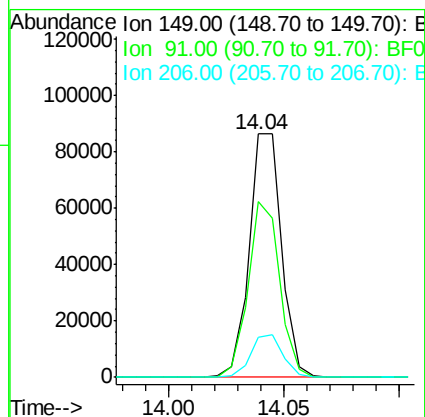
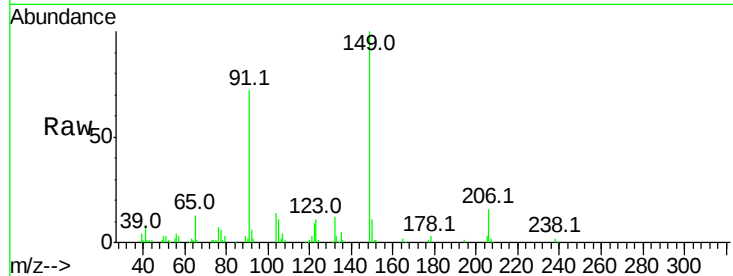




#79
Butylbenzylphthalate
Concen: 5.18 ng
RT: 14.04 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

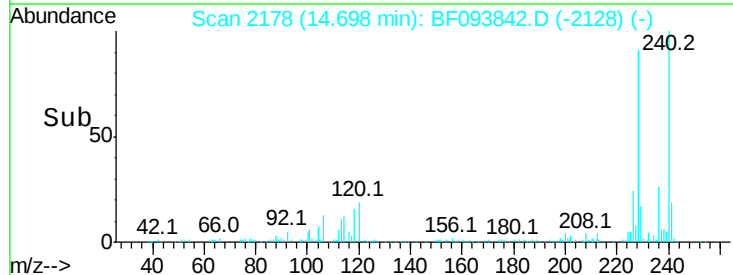
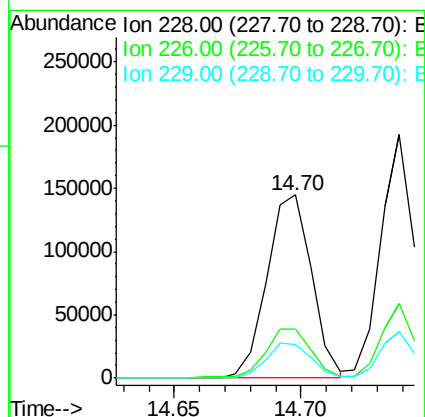
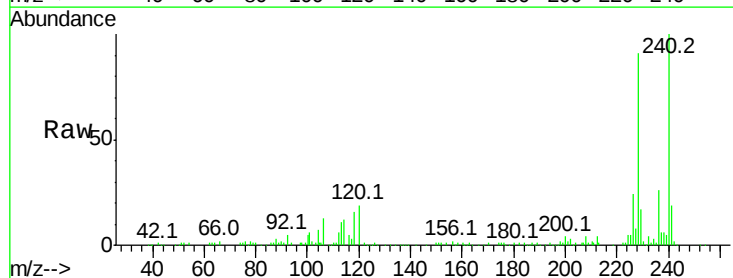
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

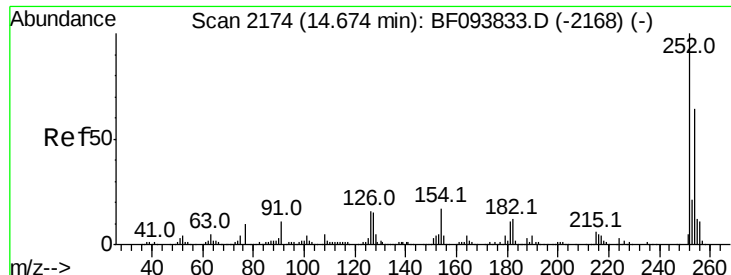
Tot Ion:149 Resp: 85043
Ion Ratio Lower Upper
149 100
91 72.4 45.0 67.4#
206 16.5 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 5.71 ng
RT: 14.70 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:228 Resp: 176985
Ion Ratio Lower Upper
228 100
226 27.0 22.6 33.8
229 18.3 16.3 24.5

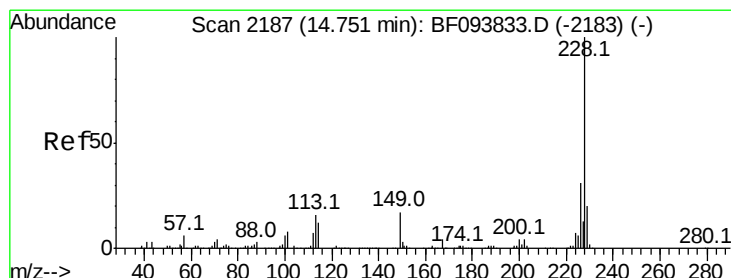
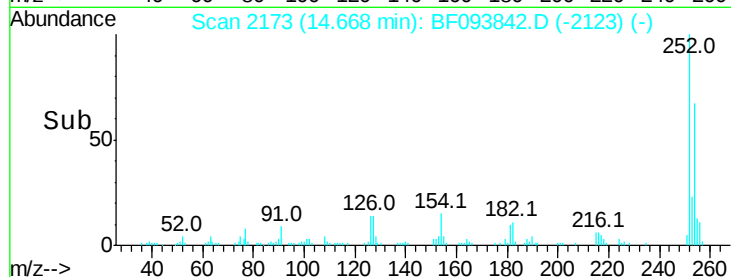
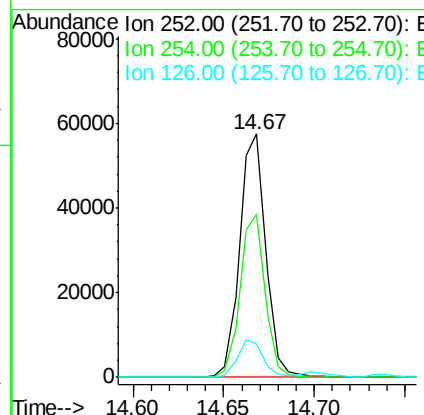
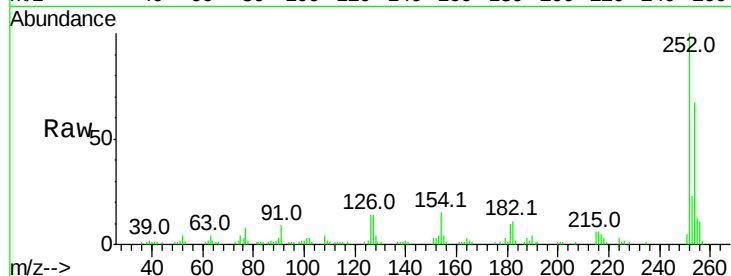




#81
 3,3'-Dichlorobenzidine
 Concen: 5.19 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

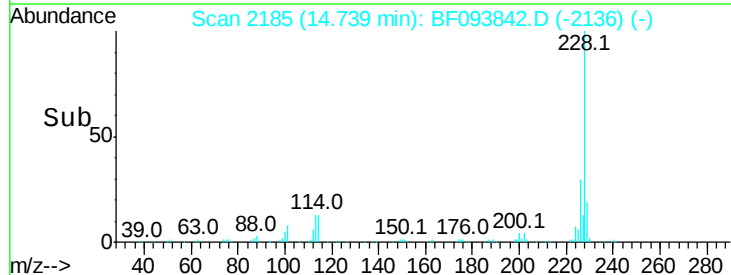
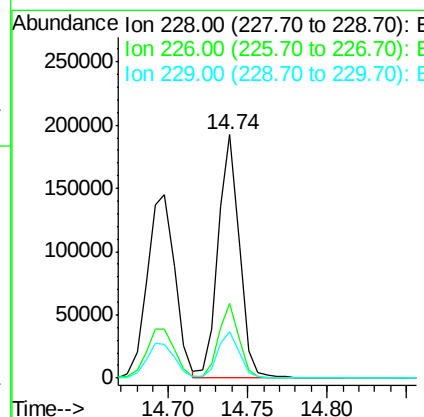
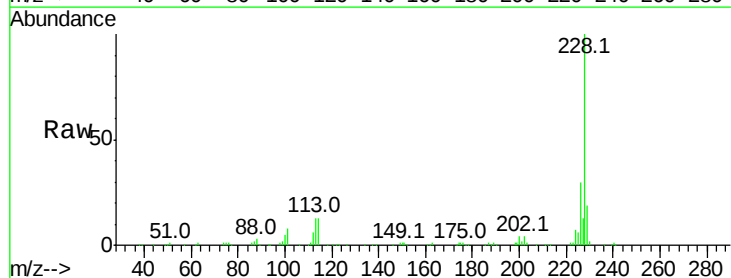
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

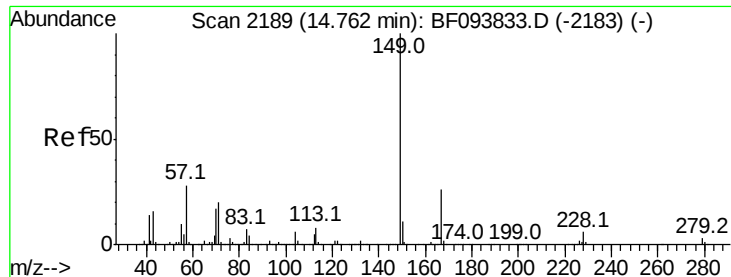
Tot Ion	Ratio	Lower	Upper
252	100		
254	66.8	51.5	77.3
126	14.0	15.8	23.8#



#82
 Chrysene
 Concen: 6.28 ng
 RT: 14.74 min Scan# 2185
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	19.2	15.8	23.6

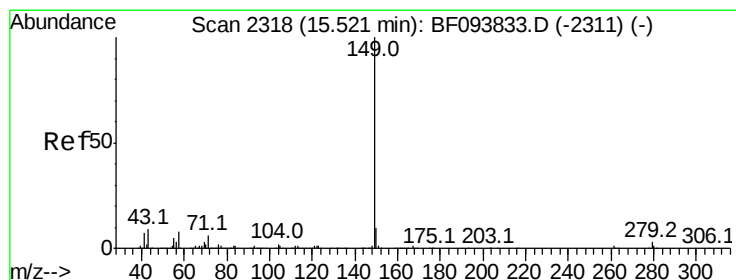
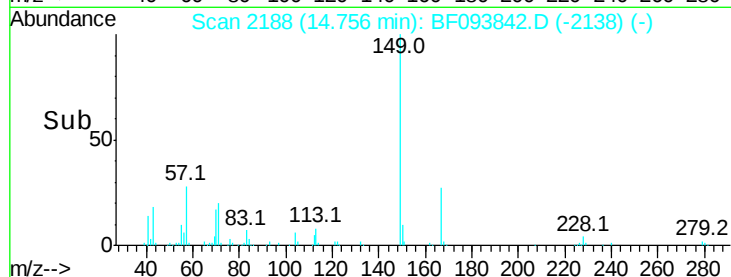
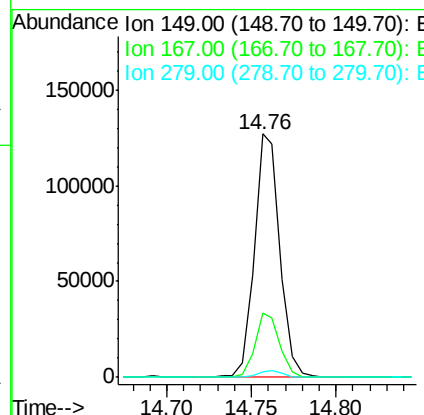
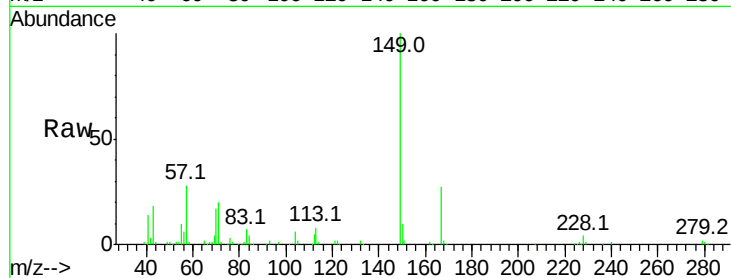




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.94 ng
 RT: 14.76 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

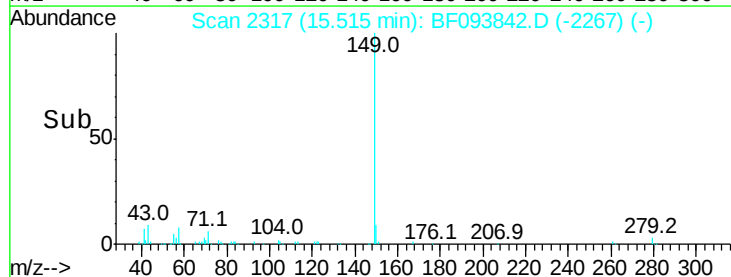
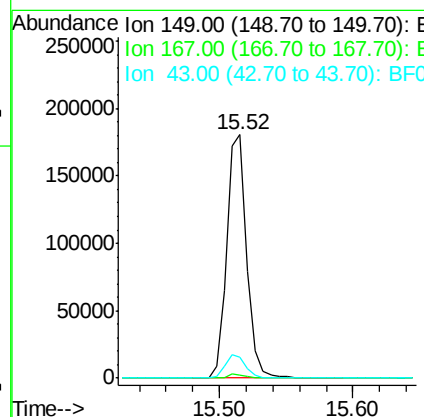
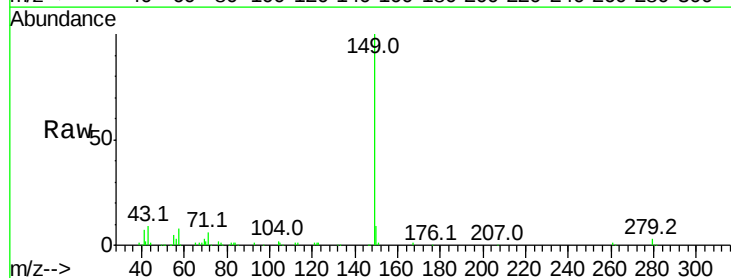
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

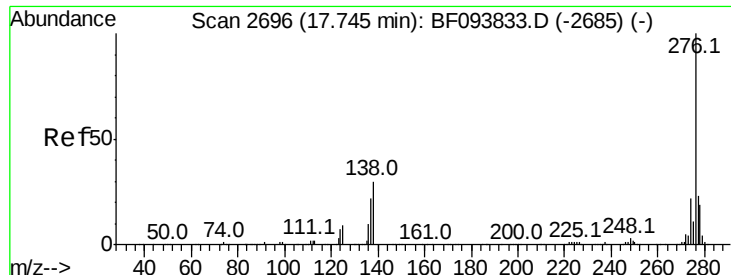
Tot Ion:149 Resp: 133083
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.0 31.4
 279 2.2 1.9 2.9



#84
 Di-n-octyl phthalate
 Concen: 5.07 ng
 RT: 15.52 min Scan# 2317
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion:149 Resp: 190016
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 9.8 8.5 12.7

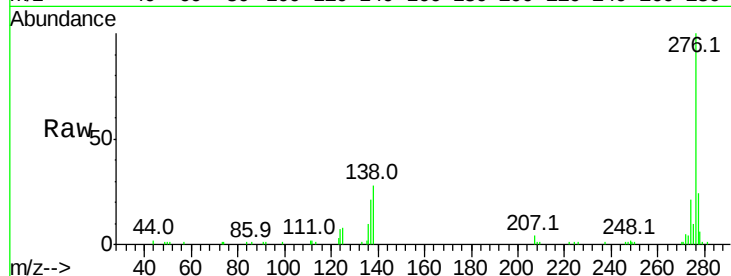




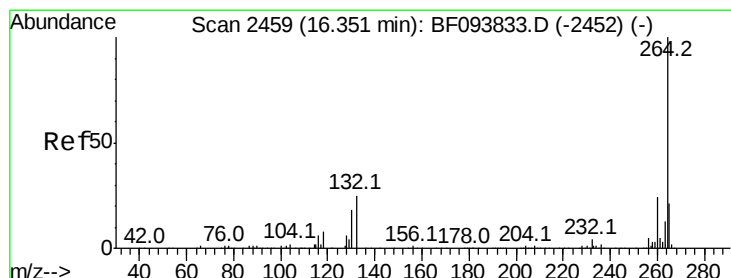
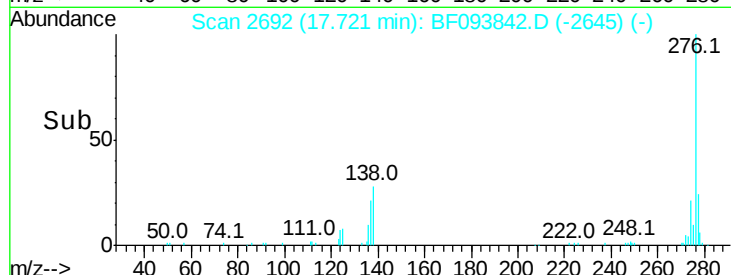
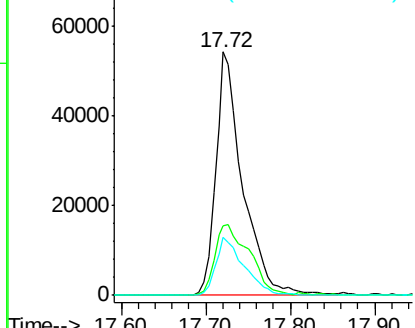
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.84 ng
 RT: 17.72 min Scan# 2692
 Delta R.T. -0.02 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	37.1	27.8	41.6
277	25.0	20.2	30.4

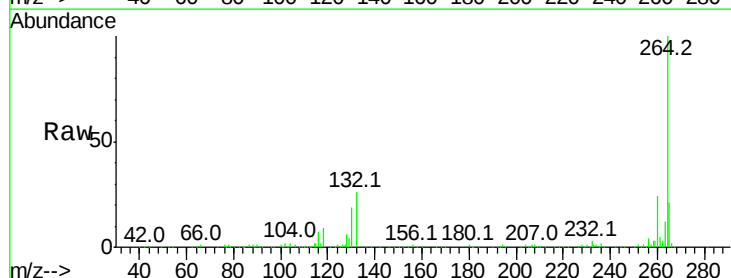


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

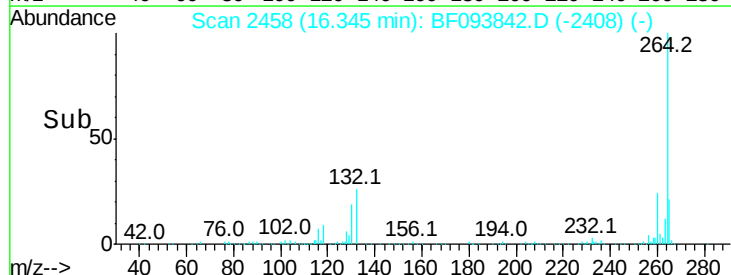
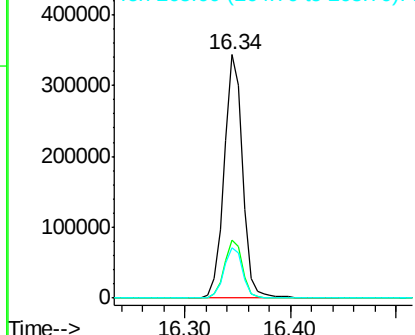


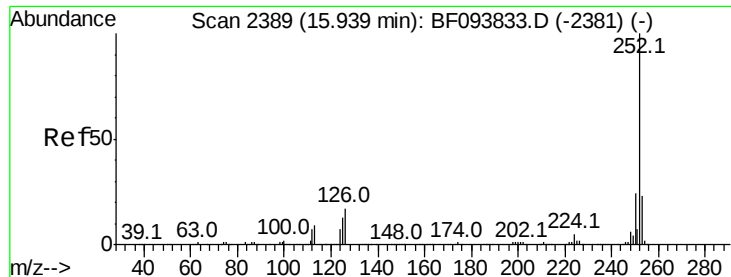
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.34 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BF093842.D
 Acq: 22 Mar 2017 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	20.5	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

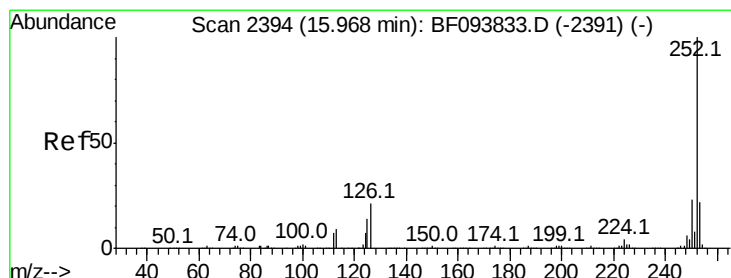
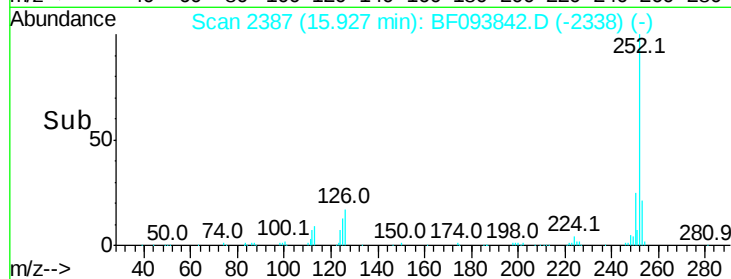
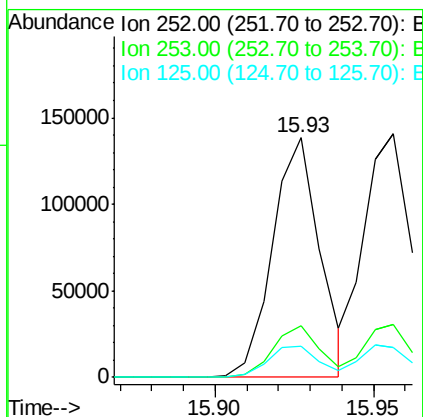
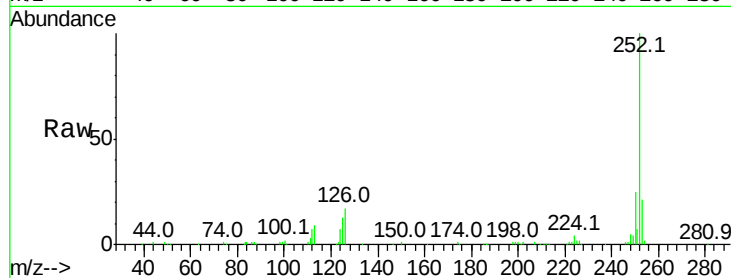




#87
Benzo(b)fluoranthene
Concen: 5.64 ng
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

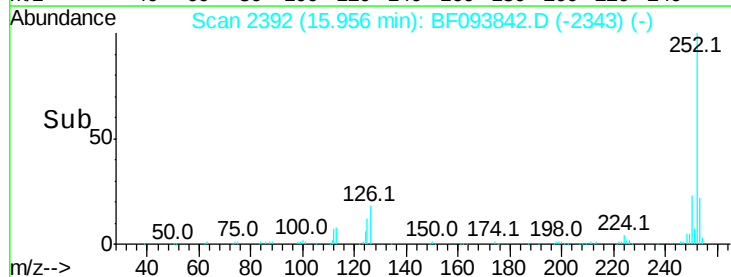
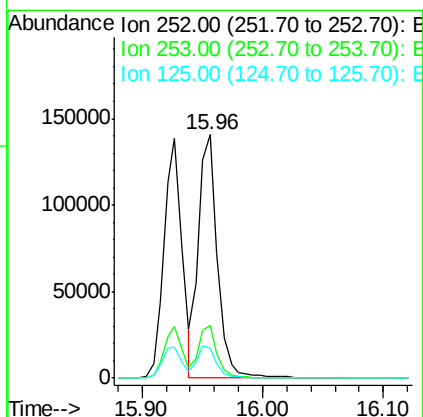
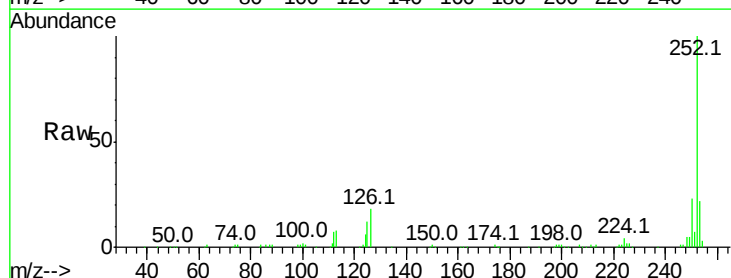
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

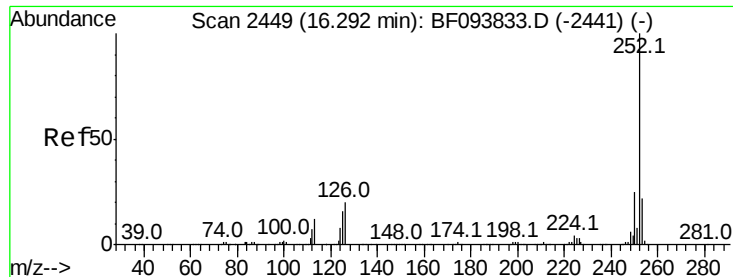
Tot Ion:252 Resp: 143760
Ion Ratio Lower Upper
252 100
253 21.4 18.1 27.1
125 12.9 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 6.18 ng
RT: 15.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion:252 Resp: 155329
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 12.2 13.1 19.7#

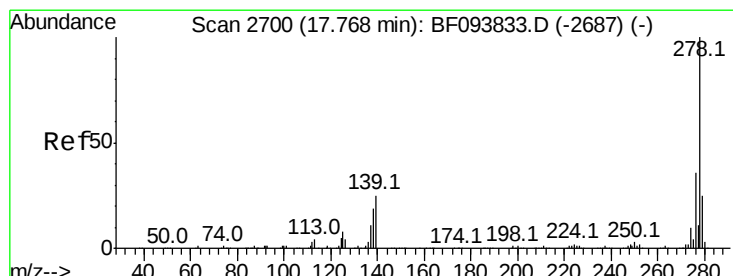
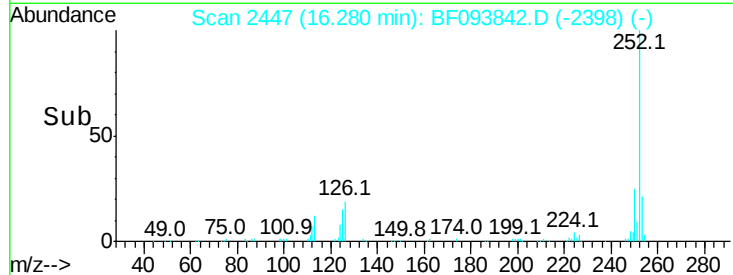
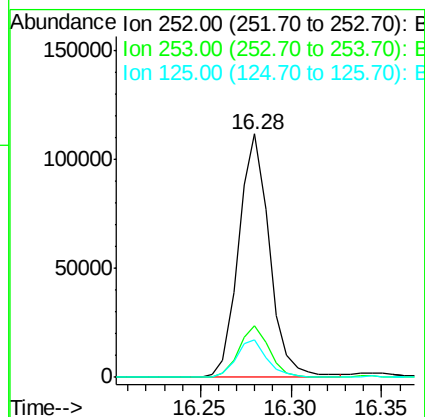
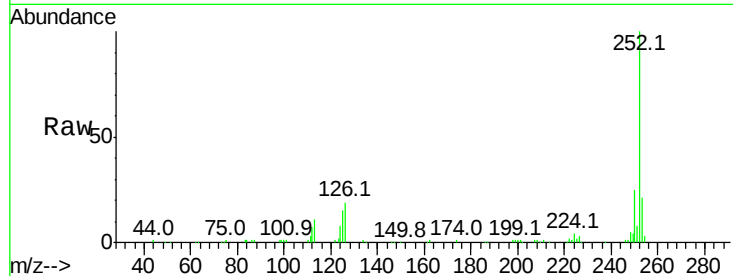




#89
Benzo(a)pyrene
Concen: 5.63 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

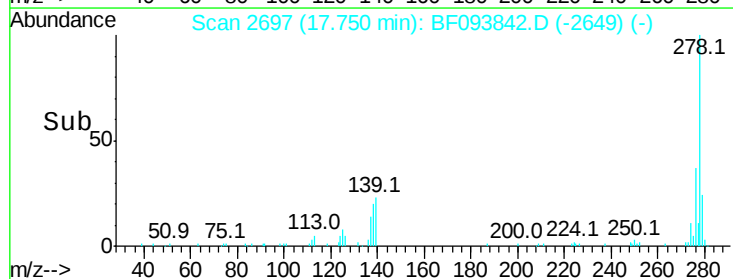
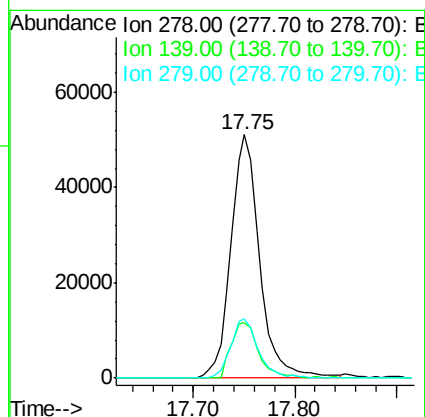
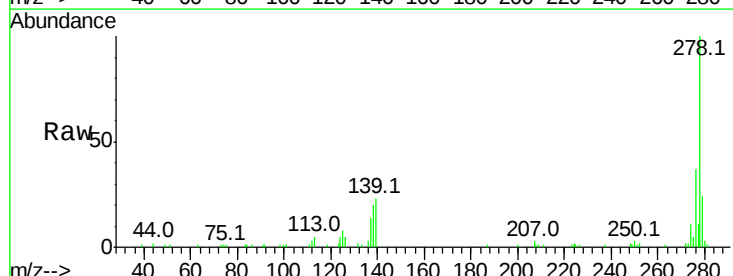
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	15.4	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 5.07 ng
RT: 17.75 min Scan# 2697
Delta R.T. -0.02 min
Lab File: BF093842.D
Acq: 22 Mar 2017 19:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.7	16.6	24.8
279	24.2	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 5.13 ng

RT: 18.13 min Scan# 2762

Delta R.T. -0.03 min

Lab File: BF093842.D

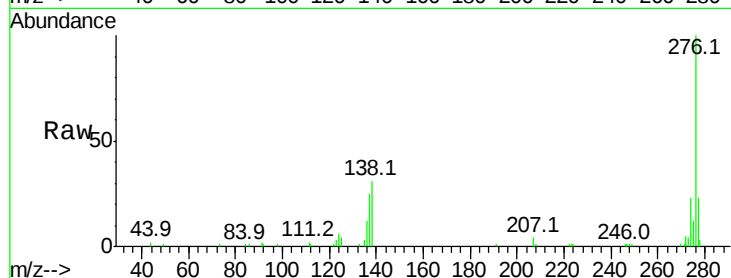
Acq: 22 Mar 2017 19:51

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017



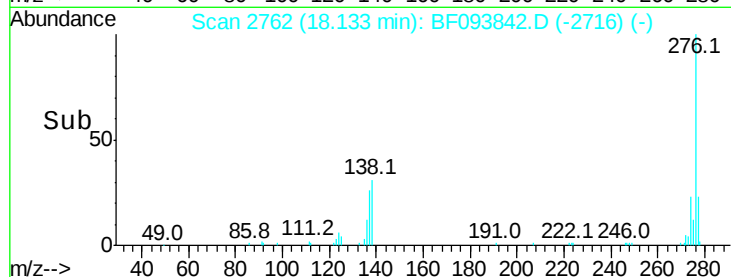
Tot Ion:276 Resp: 102779

Ion Ratio Lower Upper

276 100

277 22.7 18.6 28.0

138 31.0 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

