

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093841.D
 Acq On : 22 Mar 2017 19:23
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 2 PPB
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 23 01:19:08 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	196096	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	806460	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	376639	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	666828	20.00	ng	0.00
75) Chrysene-d12	14.71	240	566637	20.00	ng	0.00
86) Perylene-d12	16.34	264	448688	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	4.50	112	1460329	125.78	ng	0.00
7) Phenol-d6	5.57	99	1783009	124.14	ng	0.00
23) Nitrobenzene-d5	6.63	82	1185034	83.86	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	398909	134.03	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	2073973	83.99	ng	0.00
78) Terphenyl-d14	13.44	244	1770621	70.04	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	11245	2.02	ng	98
3) Pyridine	2.93	79	30071	1.98	ng	97
4) n-Nitrosodimethylamine	2.81	42	11587	1.85	ng	# 97
6) Aniline	5.60	93	43332	2.17	ng	97
8) 2-Chlorophenol	5.74	128	28521	2.23	ng	93
9) Benzaldehyde	5.48	77	21561	2.22	ng	96
10) Phenol	5.58	94	34184	2.09	ng	91
11) bis(2-Chloroethyl)ether	5.69	93	28493	2.23	ng	97
12) 1,3-Dichlorobenzene	5.92	146	33591	2.35	ng	95
13) 1,4-Dichlorobenzene	6.00	146	32319	2.23	ng	96
14) 1,2-Dichlorobenzene	6.18	146	32388	2.43	ng	95
15) Benzyl Alcohol	6.14	79	19184	1.82	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.30	45	42425	2.16	ng	98
17) 2-Methylphenol	6.27	107	22047	2.02	ng	99
18) Hexachloroethane	6.58	117	10816	2.12	ng	89
19) n-Nitroso-di-n-propylamine	6.46	70	20642	2.24	ng	100
20) 3+4-Methylphenols	6.45	107	30568	2.31	ng	# 84
22) Acetophenone	6.45	105	42238	2.35	ng	96
24) Nitrobenzene	6.65	77	33708	2.42	ng	94
25) Isophorone	6.93	82	53771	2.17	ng	97
26) 2-Nitrophenol	7.03	139	11326	1.70	ng	92
27) 2,4-Dimethylphenol	7.08	122	23123	2.02	ng	94
28) bis(2-Chloroethoxy)methane	7.20	93	35780	2.19	ng	96
29) 2,4-Dichlorophenol	7.31	162	21638	2.02	ng	96
30) 1,2,4-Trichlorobenzene	7.42	180	24347	2.21	ng	96
31) Naphthalene	7.52	128	90751	2.34	ng	98
32) Benzoic acid	7.13	122	1169	0.15	ng	# 78
33) 4-Chloroaniline	7.57	127	33960	2.16	ng	95
34) Hexachlorobutadiene	7.67	225	12776	2.26	ng	93
35) Caprolactam	7.96	113	6311	1.85	ng	# 88
36) 4-Chloro-3-methylphenol	8.16	107	22942	2.05	ng	88
37) 2-Methylnaphthalene	8.36	142	59799	2.31	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.56	216	23581	2.29	ng	99
40) Hexachlorocyclopentadiene	8.56	237	8361	1.73	ng	98

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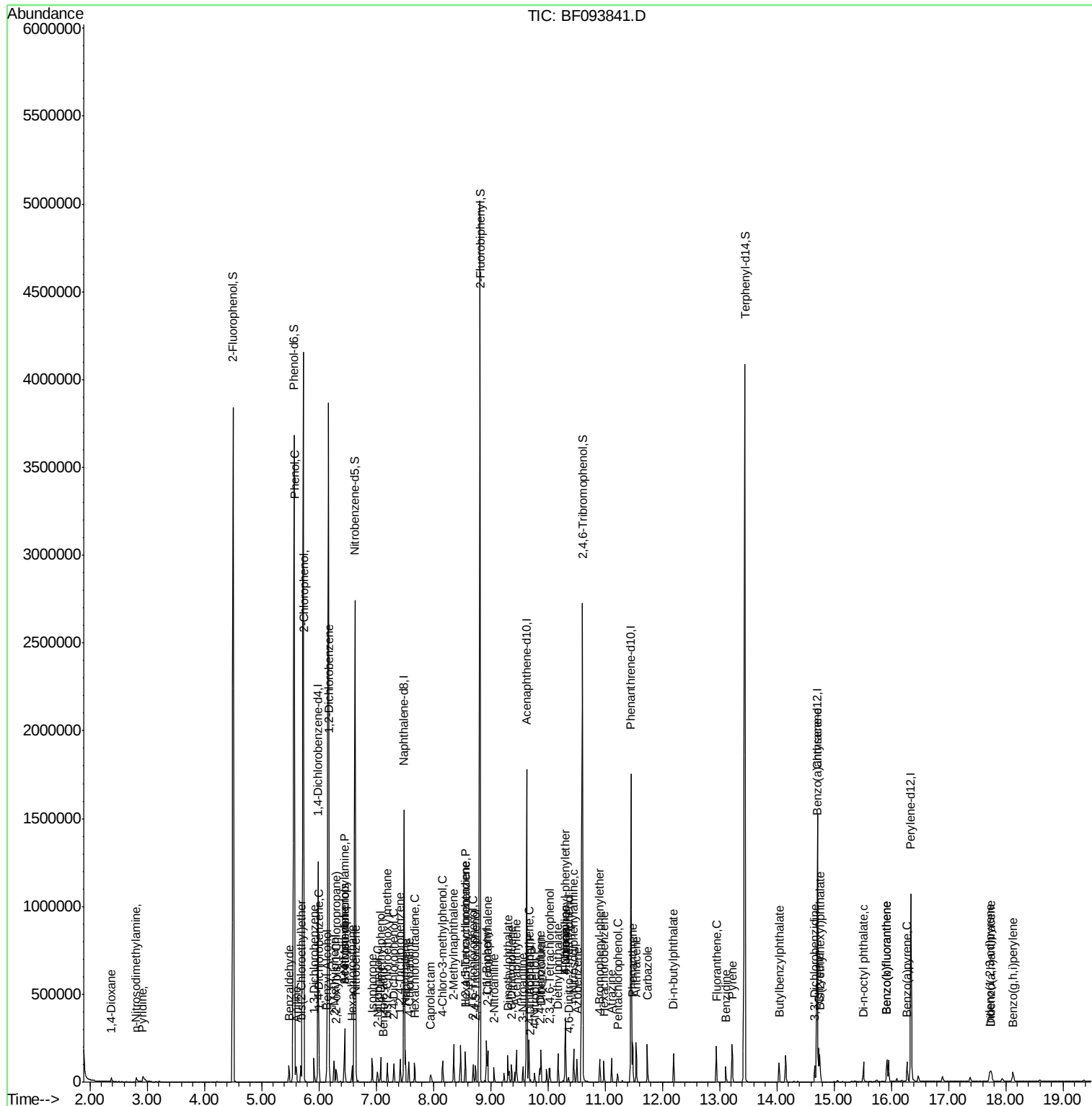
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.70	196	13144	1.80	nq	96
43) 2,4,5-Trichlorophenol	8.74	196	15525	1.97	nq #	85
45) 1,1'-Biphenyl	8.93	154	75604	2.49	nq	93
46) 2-Chloronaphthalene	8.95	162	55812	2.35	nq	96
47) 2-Nitroaniline	9.06	65	12952	1.84	nq	96
48) Acenaphthylene	9.46	152	89688	2.27	nq	96
49) Dimethylphthalate	9.30	163	59913	2.24	nq	99
50) 2,6-Dinitrotoluene	9.37	165	12120	1.97	nq	89
51) Acenaphthene	9.67	154	49930	2.17	nq	94
52) 3-Nitroaniline	9.56	138	13790	1.91	nq	98
53) 2,4-Dinitrophenol	9.70	184	1487	5.09	nq #	77
54) Dibenzofuran	9.88	168	74706	2.38	nq	98
55) 4-Nitrophenol	9.77	139	8514	1.51	nq #	56
56) 2,4-Dinitrotoluene	9.86	165	14278	1.85	nq #	89
57) Fluorene	10.30	166	62644	2.41	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.03	232	10729	1.98	nq #	97
59) Diethylphthalate	10.18	149	60158	2.27	nq	97
60) 4-Chlorophenyl-phenylether	10.31	204	27150	2.45	nq	95
61) 4-Nitroaniline	10.31	138	13096	1.89	nq	93
62) Azobenzene	10.51	77	54501	2.18	nq	96
64) 4,6-Dinitro-2-methylphenol	10.36	198	3803	0.93	nq #	80
65) n-Nitrosodiphenylamine	10.46	169	52768	2.29	nq	96
66) 4-Bromophenyl-phenylether	10.91	248	14071	2.15	nq	88
67) Hexachlorobenzene	10.98	284	14775	2.23	nq #	82
68) Atrazine	11.12	200	14611	2.12	nq	96
69) Pentachlorophenol	11.22	266	5546	1.34	nq	98
70) Phenanthrene	11.48	178	88836	2.39	nq	97
71) Anthracene	11.54	178	88753	2.32	nq	98
72) Carbazole	11.74	167	89694	2.29	nq	98
73) Di-n-butylphthalate	12.20	149	84868	2.08	nq	98
74) Fluoranthene	12.94	202	83941	2.21	nq	99
76) Benzidine	13.11	184	34240	1.53	nq	97
77) Pyrene	13.22	202	88788	2.16	nq	99
79) Butylbenzylphthalate	14.04	149	28052	1.60	nq #	81
80) Benzo(a)anthracene	14.70	228	69475	2.10	nq	94
81) 3,3'-Dichlorobenzidine	14.66	252	19260	1.63	nq	98
82) Chrysene	14.74	228	70611	2.30	nq	98
83) Bis(2-ethylhexyl)phthalate	14.76	149	46000	1.92	nq	97
84) Di-n-octyl phthalate	15.52	149	60974	1.53	nq	98
85) Indeno(1,2,3-cd)pyrene	17.72	276	45461	1.71	nq	95
87) Benzo(b)fluoranthene	15.93	252	56124	2.04	nq	97
88) Benzo(k)fluoranthene	15.93	252	56124	2.07	nq	95
89) Benzo(a)pyrene	16.28	252	50108	1.98	nq	97
90) Dibenzo(a,h)anthracene	17.75	278	37995	1.77	nq	96
91) Benzo(g,h,i)perylene	18.13	276	38915	1.80	nq	96

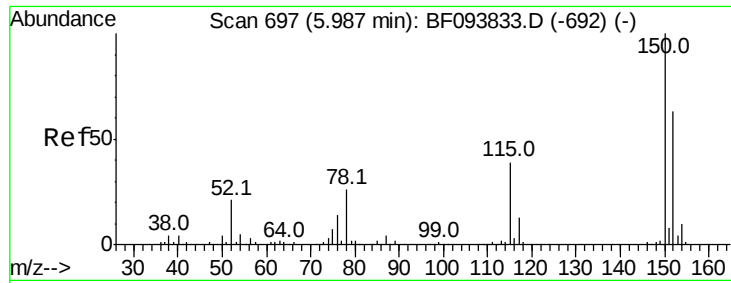
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample    : I2296-01  
Misc      : LOD 2 PPB  
ALS Vial  : 13      Sample Multiplier: 1
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.99 min Scan# 697

Delta R.T. -0.00 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

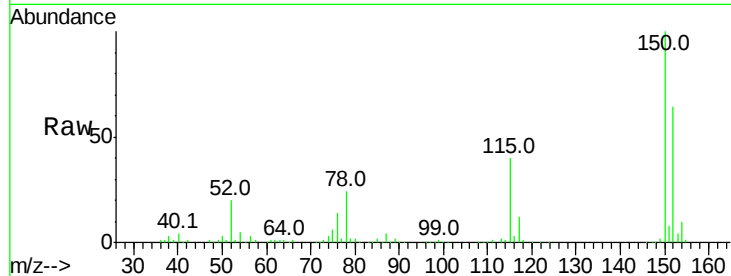
Tot Ion:152 Resp: 196096

Ion Ratio Lower Upper

152 100

150 156.6 126.2 189.2

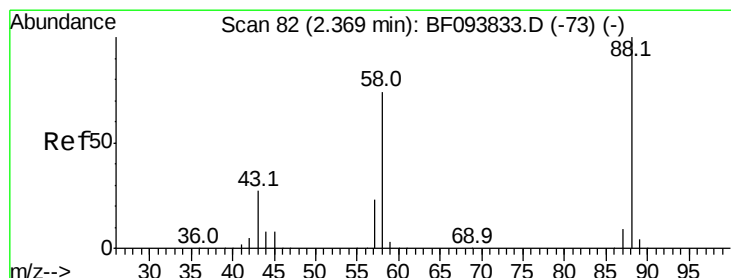
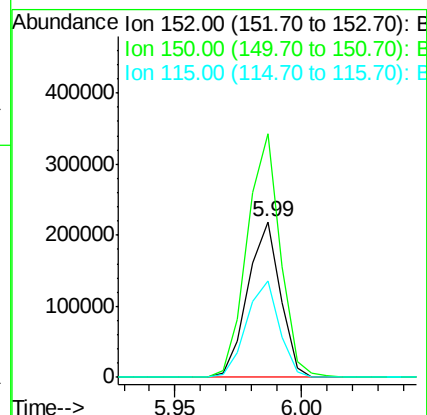
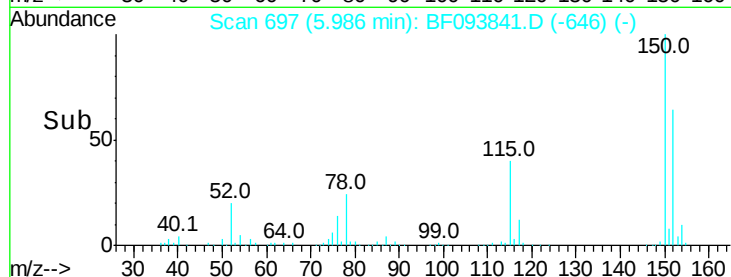
115 62.3 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.02 ng

RT: 2.37 min Scan# 83

Delta R.T. 0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

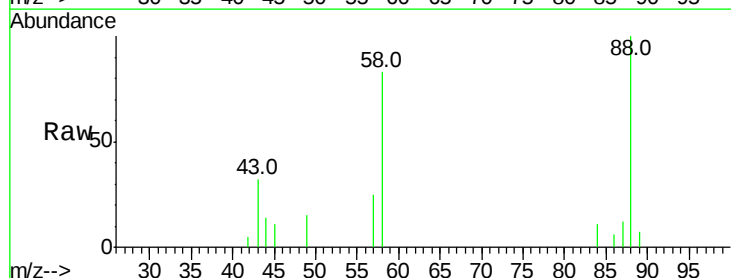
Tgt Ion: 88 Resp: 11245

Ion Ratio Lower Upper

88 100

58 76.5 61.4 92.0

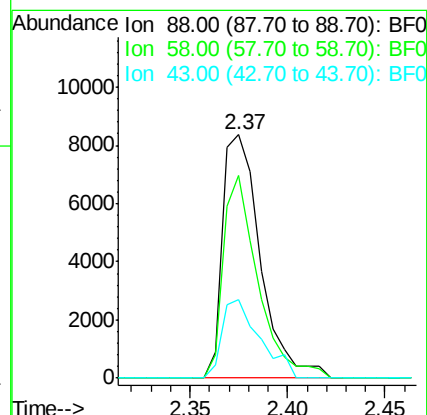
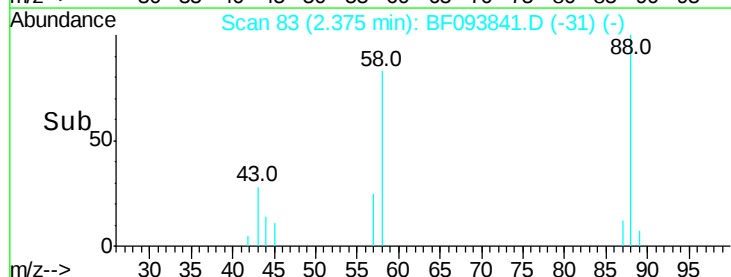
43 32.1 23.4 35.0

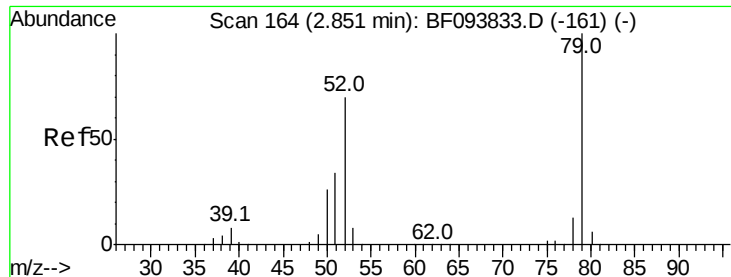


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 1.98 ng

RT: 2.93 min Scan# 177

Delta R.T. 0.08 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

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BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

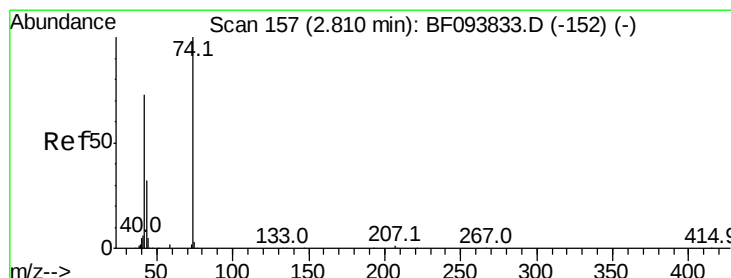
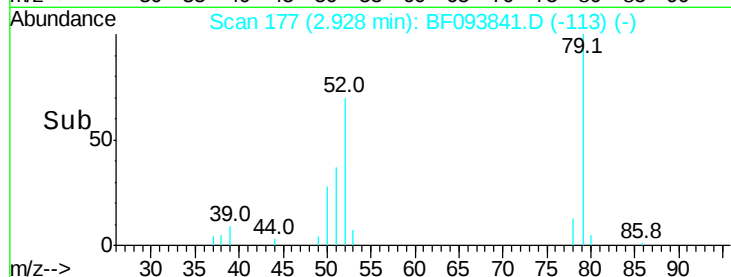
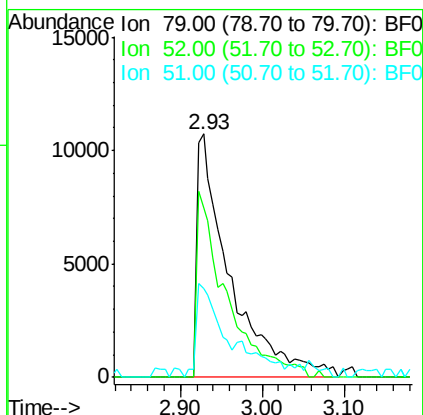
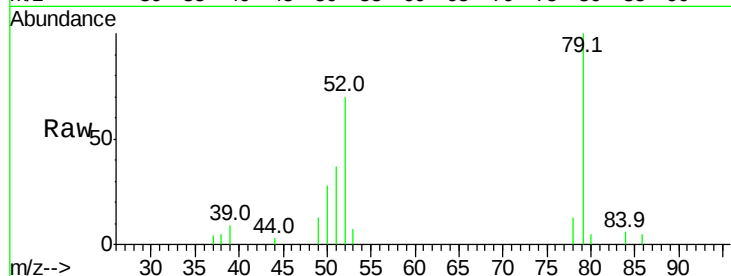
Tot Ion: 79 Resp: 30071

Ion Ratio Lower Upper

79 100

52 69.7 54.8 82.2

51 36.6 27.0 40.4



#4

n-Nitrosodimethylamine

Concen: 1.85 ng

RT: 2.81 min Scan# 157

Delta R.T. -0.00 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

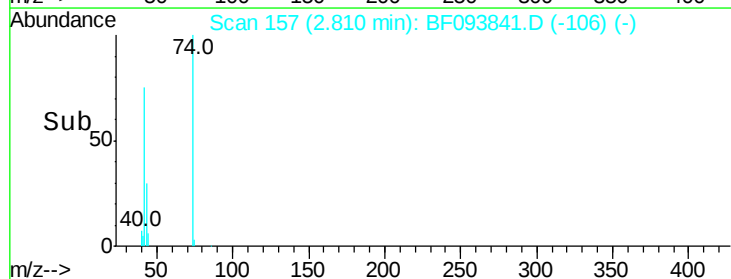
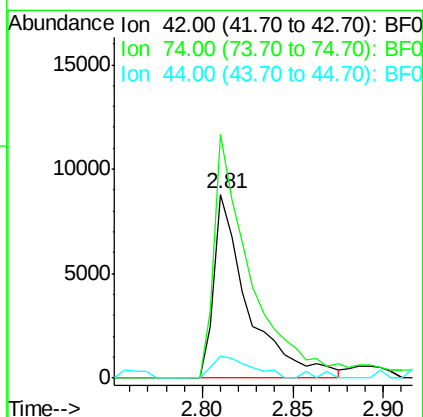
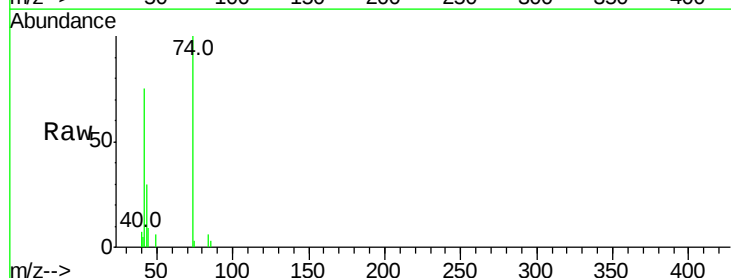
Tgt Ion: 42 Resp: 11587

Ion Ratio Lower Upper

42 100

74 132.6 103.9 155.9

44 12.1 5.7 8.5#





#5

2-Fluorophenol

Concen: 125.78 ng

RT: 4.50 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

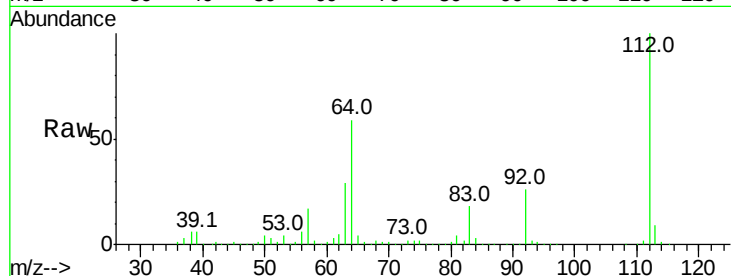
Tot Ion:112 Resp: 1460329

Ion Ratio Lower Upper

112 100

64 59.0 46.0 69.0

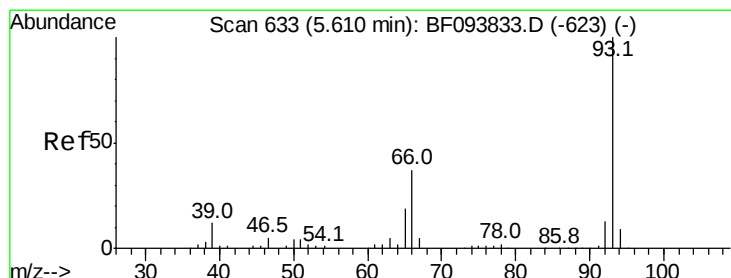
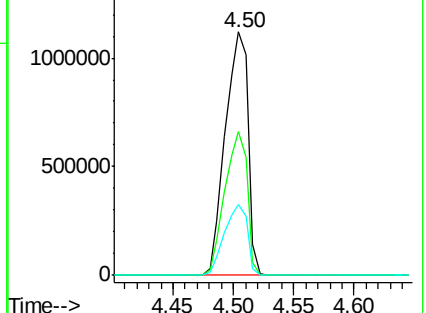
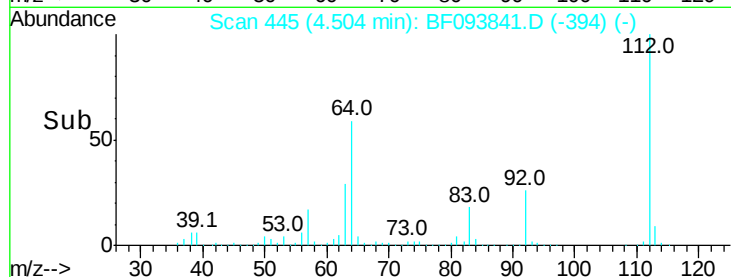
63 29.1 23.4 35.0



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: 2.17 ng

RT: 5.60 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

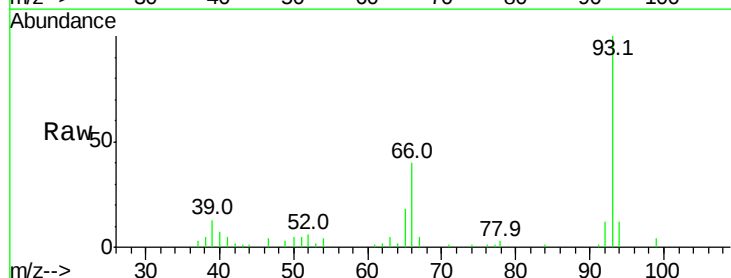
Tgt Ion: 93 Resp: 43332

Ion Ratio Lower Upper

93 100

66 39.7 32.9 49.3

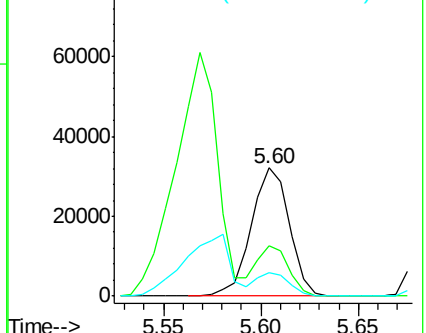
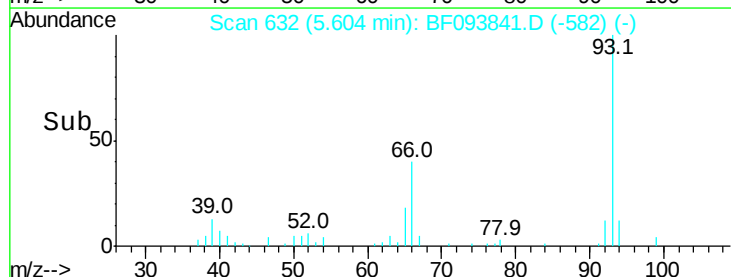
65 18.1 16.0 24.0

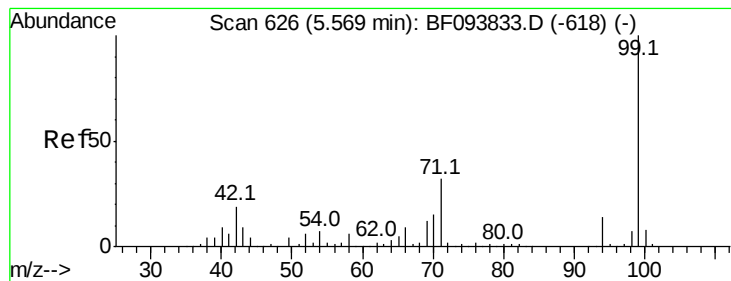


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 124.14 ng

RT: 5.57 min Scan# 626

Delta R.T. -0.00 min

Lab File: BF093841.D

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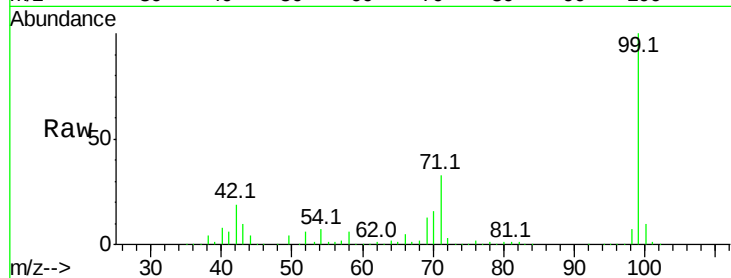
Tot Ion: 99 Resp: 1783009

Ion Ratio Lower Upper

99 100

42 19.2 13.5 20.3

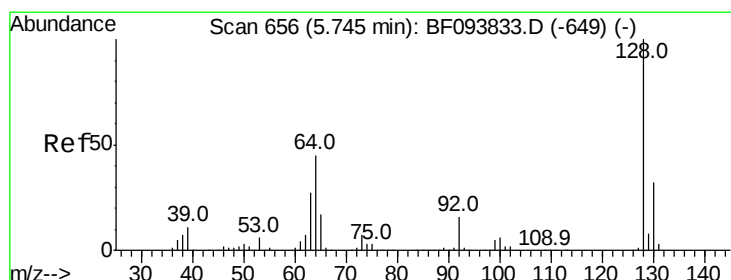
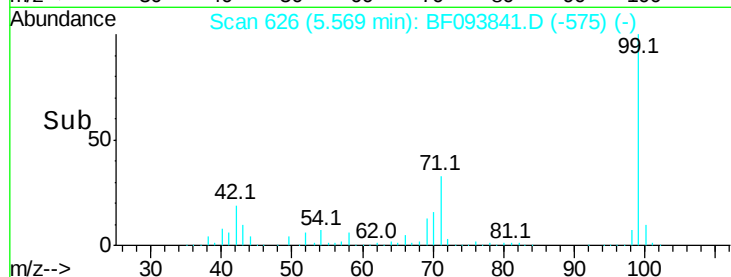
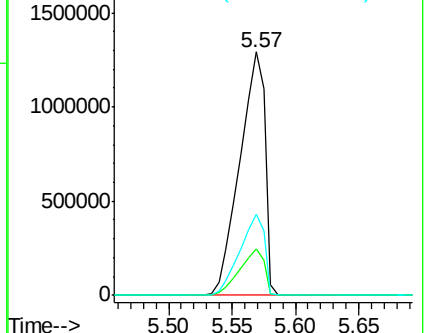
71 33.5 24.5 36.7



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: 2.23 ng

RT: 5.74 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

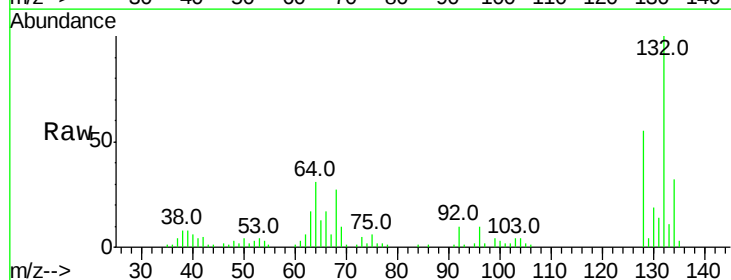
Tgt Ion:128 Resp: 28521

Ion Ratio Lower Upper

128 100

130 33.9 12.9 52.9

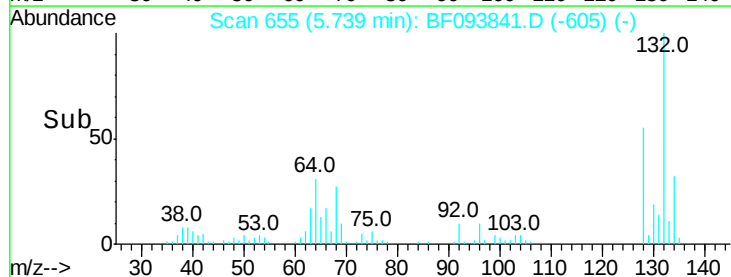
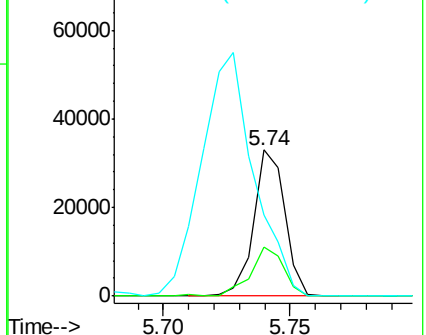
64 55.4 28.4 68.4

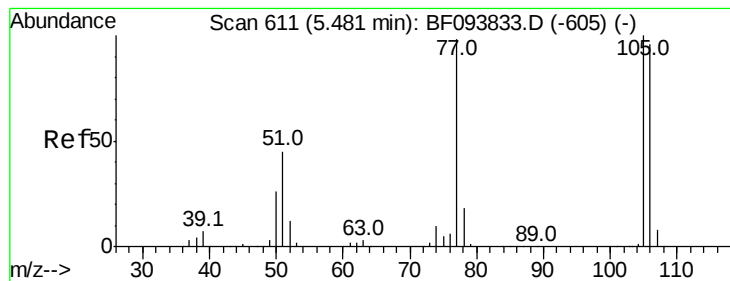


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 2.22 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

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Acq: 22 Mar 2017 19:23

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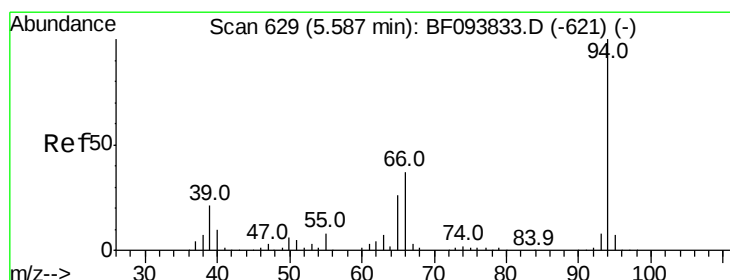
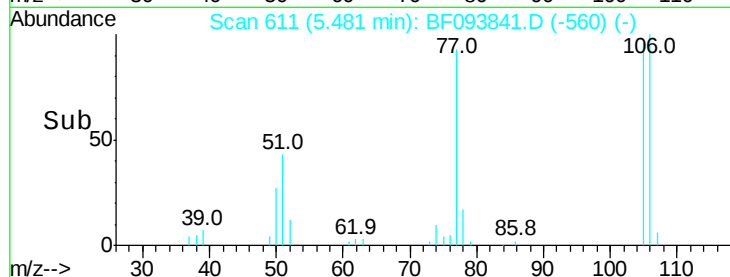
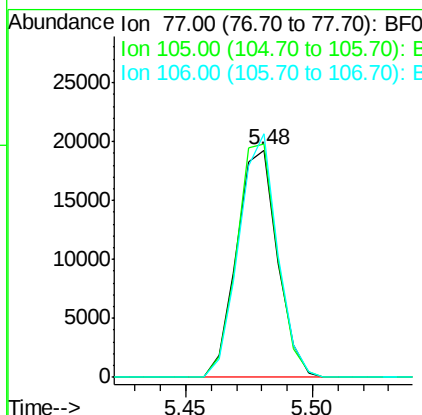
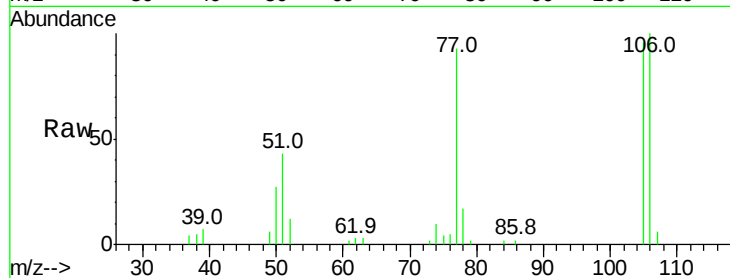
Tot Ion: 77 Resp: 21561

Ion Ratio Lower Upper

77 100

105 102.8 83.8 123.8

106 107.0 79.1 119.1



#10

Phenol

Concen: 2.09 ng

RT: 5.58 min Scan# 628

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

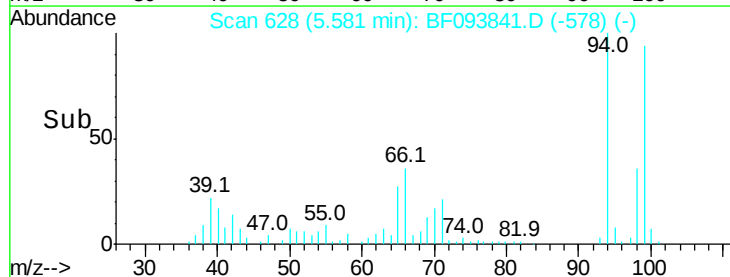
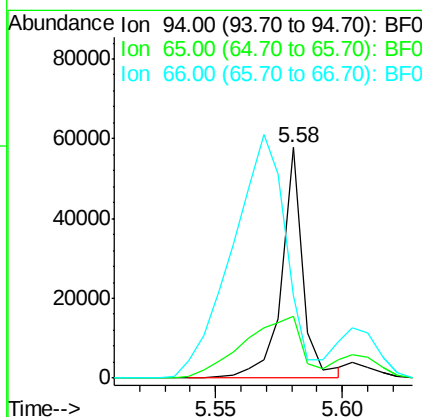
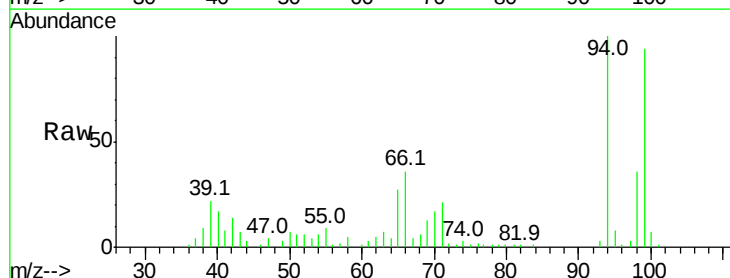
Tgt Ion: 94 Resp: 34184

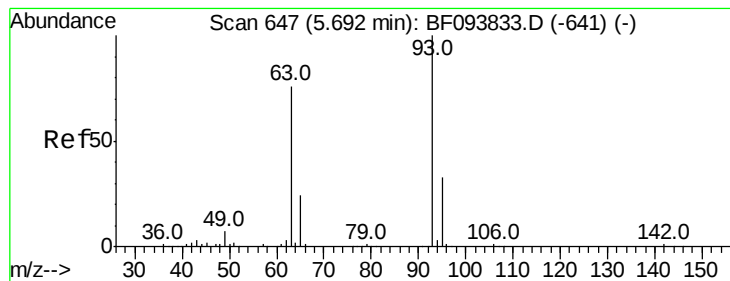
Ion Ratio Lower Upper

94 100

65 26.7 9.9 49.9

66 35.9 23.1 63.1





#11

bis(2-Chloroethyl)ether

Concen: 2.23 ng

RT: 5.69 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

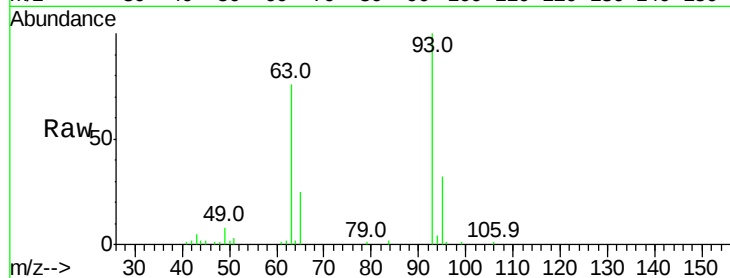
Tot Ion: 93 Resp: 28493

Ion Ratio Lower Upper

93 100

63 75.5 59.2 99.2

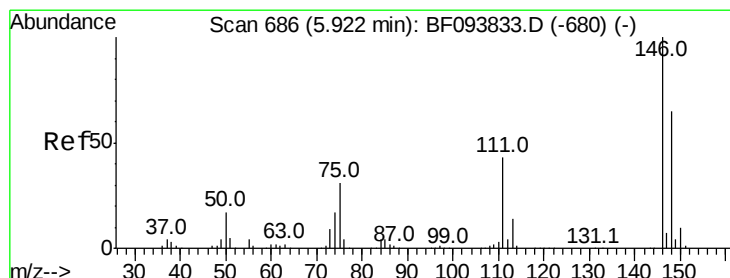
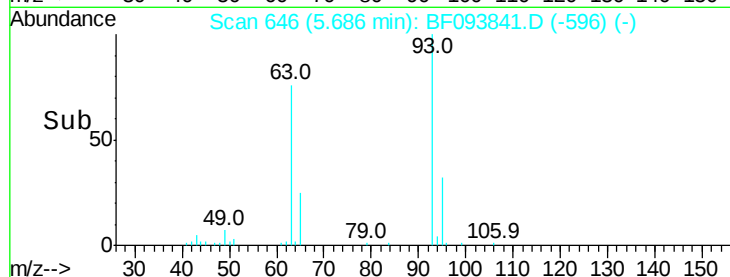
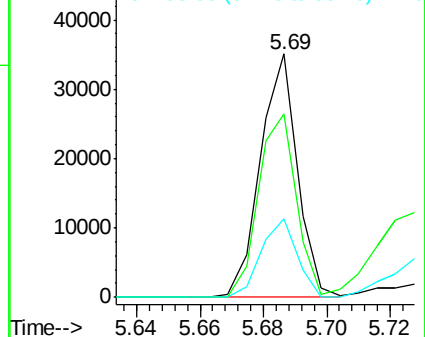
95 32.4 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 2.35 ng

RT: 5.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

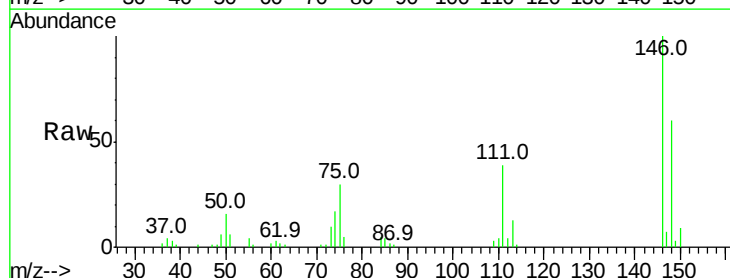
Tgt Ion: 146 Resp: 33591

Ion Ratio Lower Upper

146 100

148 59.6 51.8 77.6

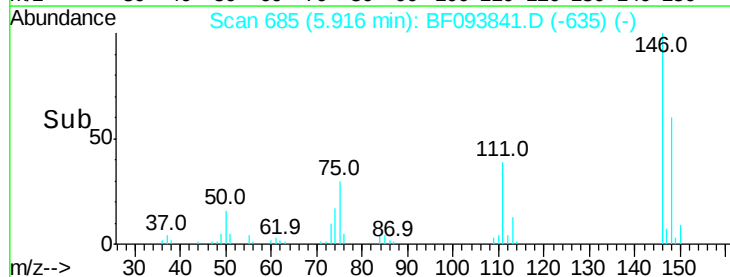
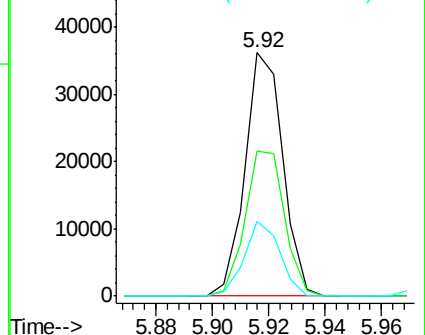
75 30.5 23.1 34.7

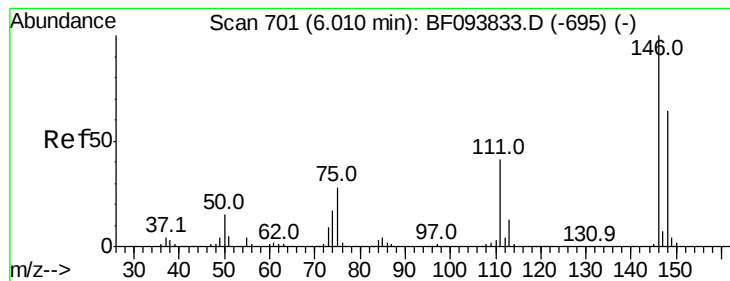


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 2.23 ng

RT: 6.00 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

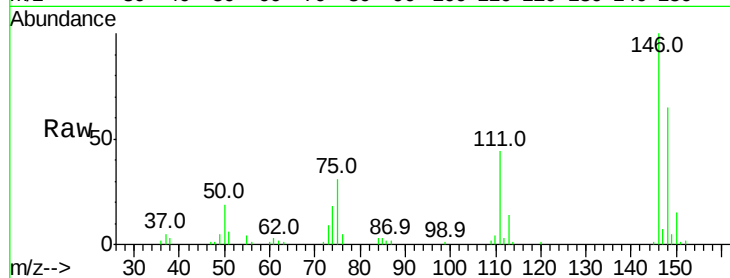
Tot Ion:146 Resp: 32319

Ion Ratio Lower Upper

146 100

148 64.6 52.2 78.2

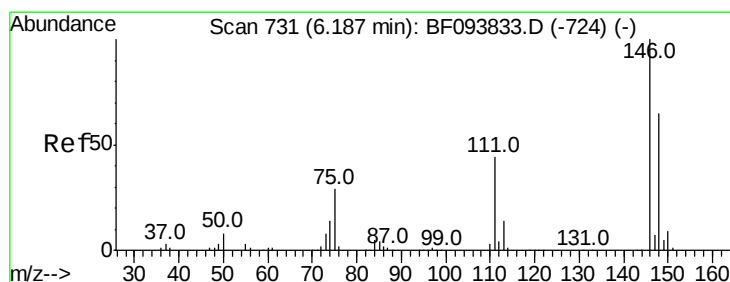
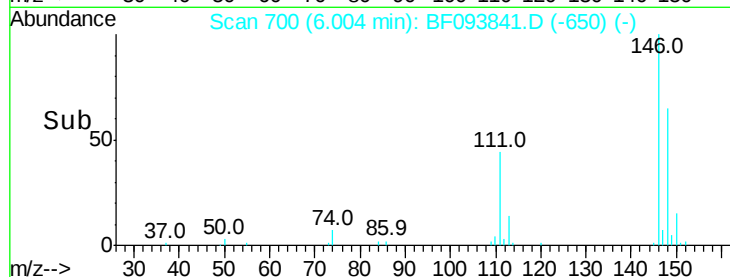
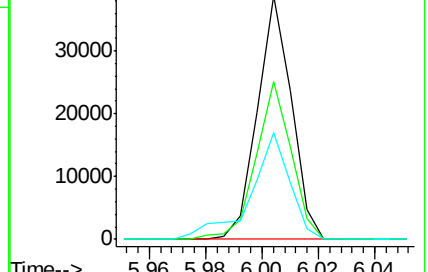
111 44.0 30.3 45.5



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



#14

1,2-Dichlorobenzene

Concen: 2.43 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

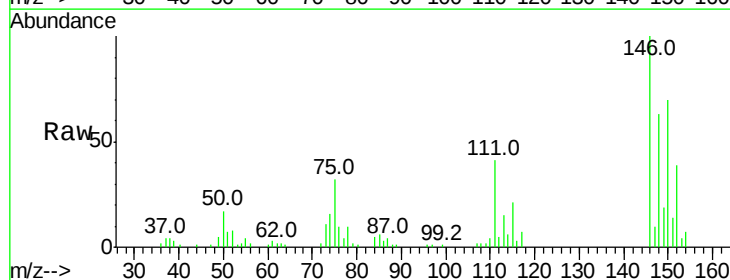
Tgt Ion:146 Resp: 32388

Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

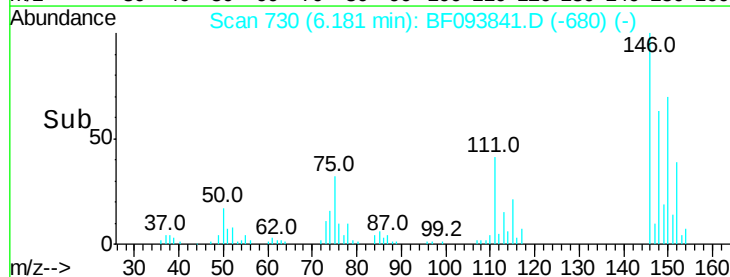
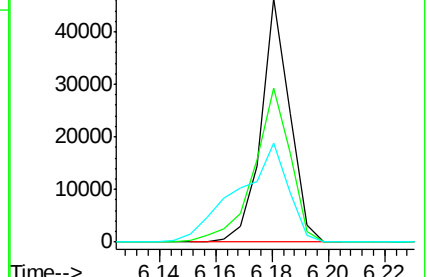
111 40.6 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 1.82 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

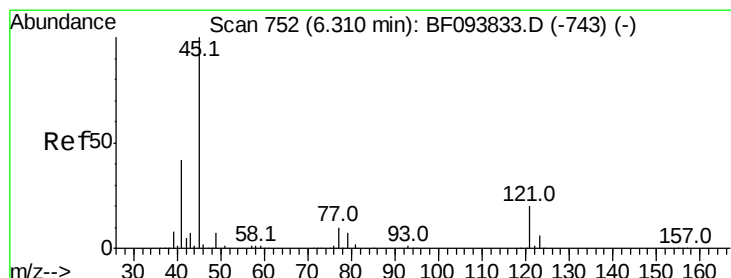
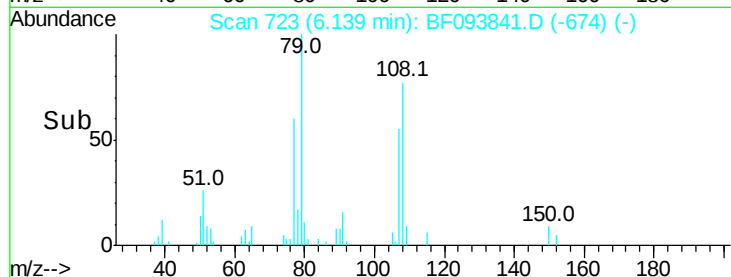
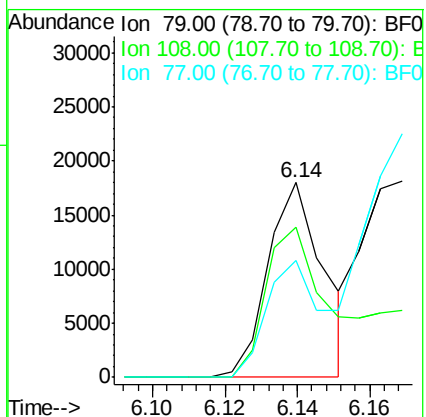
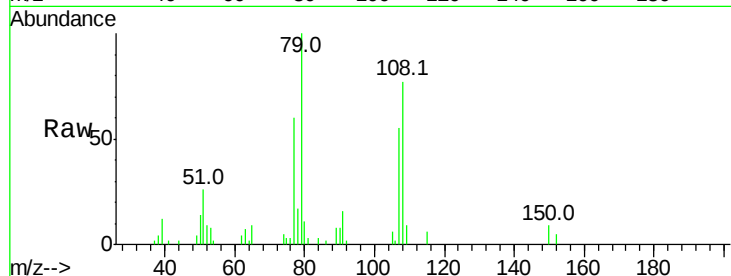
Tot Ion: 79 Resp: 19184

Ion Ratio Lower Upper

79 100

108 76.8 63.4 95.0

77 59.8 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 2.16 ng

RT: 6.30 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

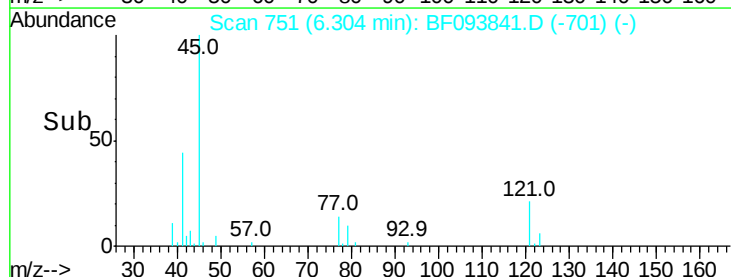
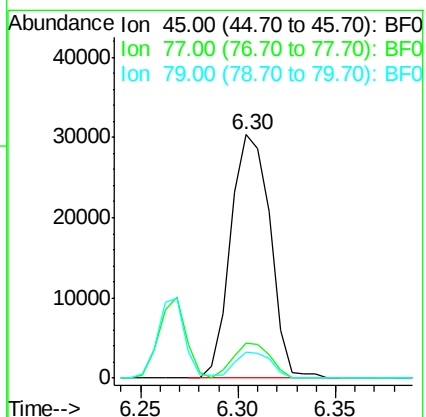
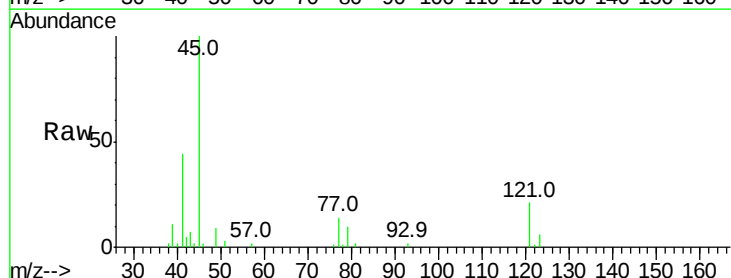
Tgt Ion: 45 Resp: 42425

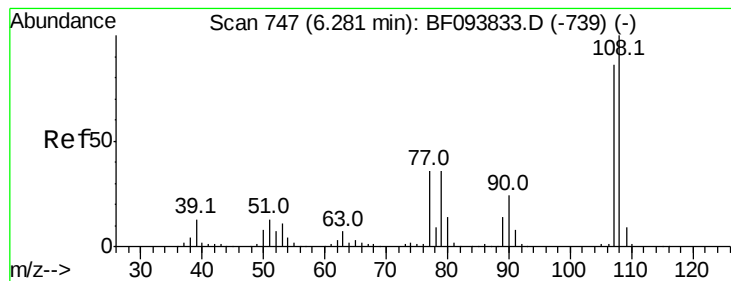
Ion Ratio Lower Upper

45 100

77 14.1 0.0 33.2

79 10.4 0.0 30.0

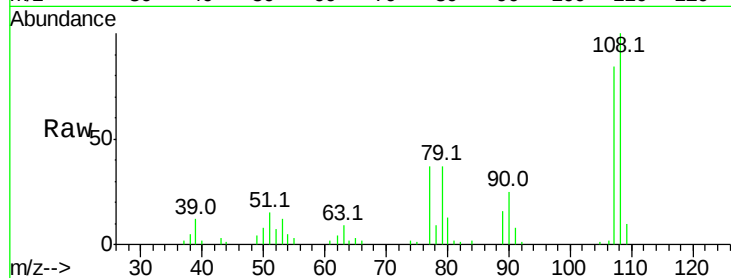




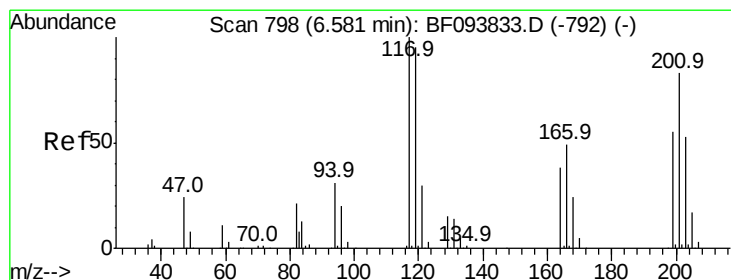
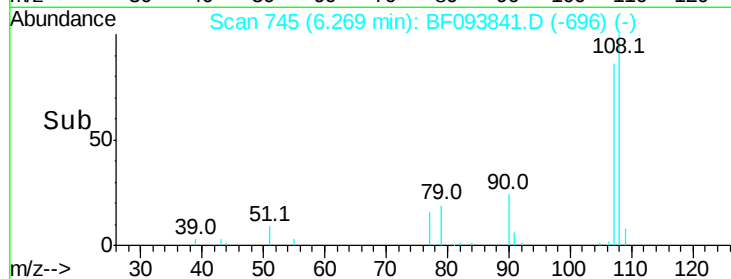
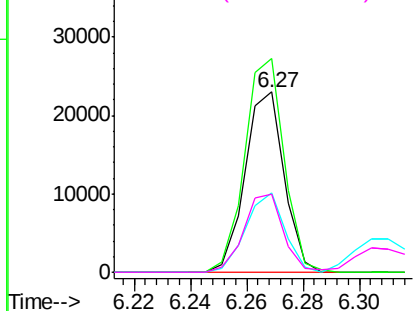
#17
2-Methylphenol
Concen: 2.02 ng
RT: 6.27 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

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

Tot Ion:107 Resp: 22047
Ion Ratio Lower Upper
107 100
108 118.7 93.4 140.0
77 43.9 35.8 53.6
79 43.3 34.8 52.2

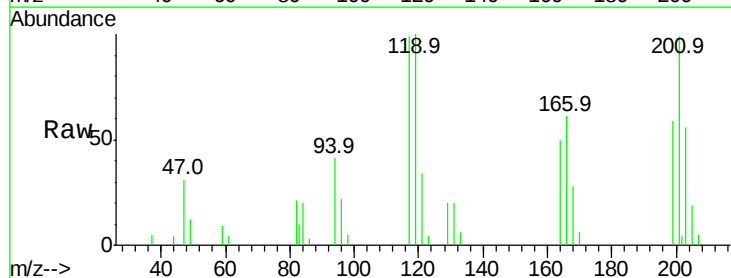


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

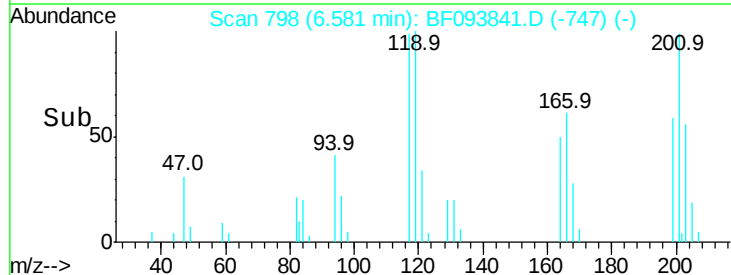
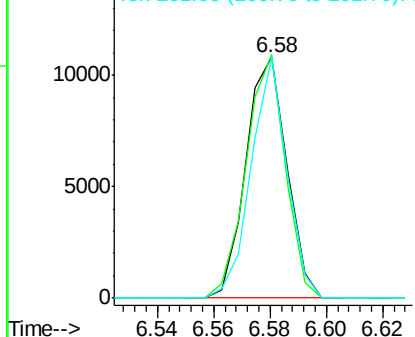


#18
Hexachloroethane
Concen: 2.12 ng
RT: 6.58 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion:117 Resp: 10816
Ion Ratio Lower Upper
117 100
119 101.2 77.4 116.0
201 100.0 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

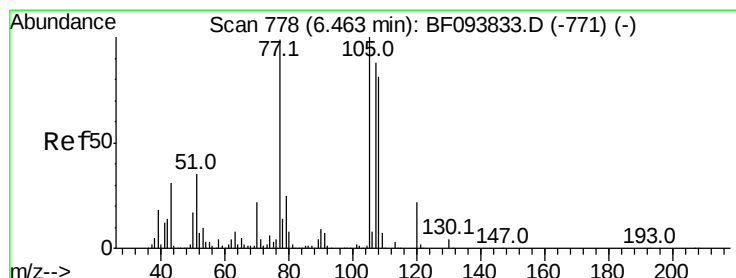
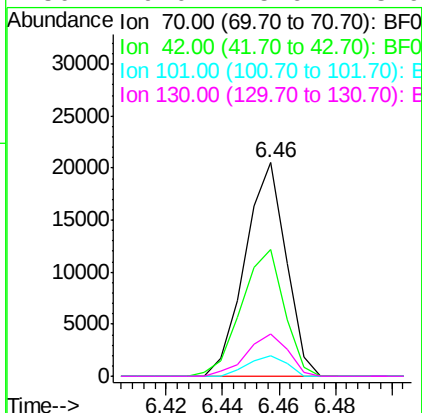
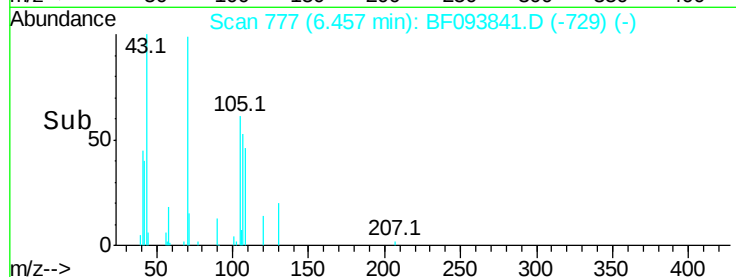
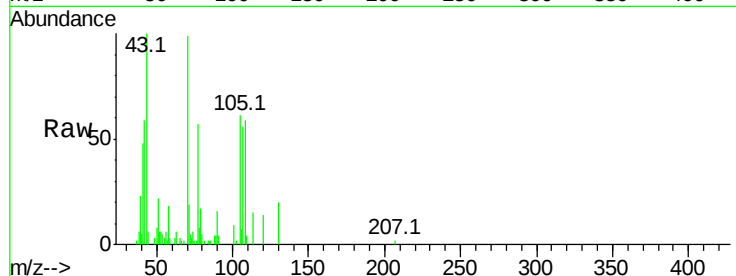




#19
n-Nitroso-di-n-propylamine
Concen: 2.24 ng
RT: 6.46 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

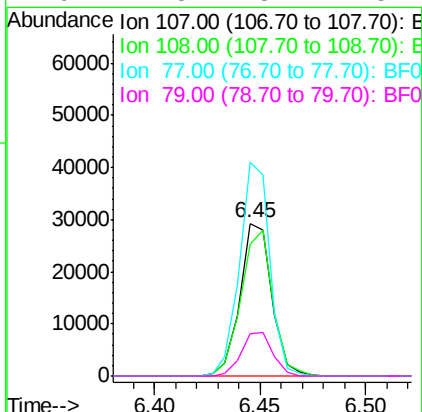
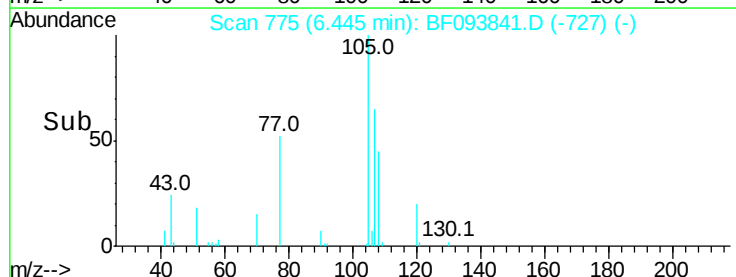
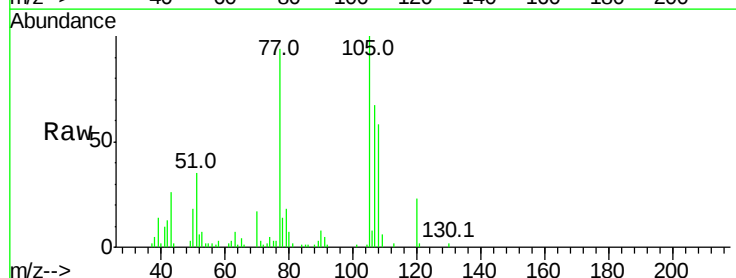
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

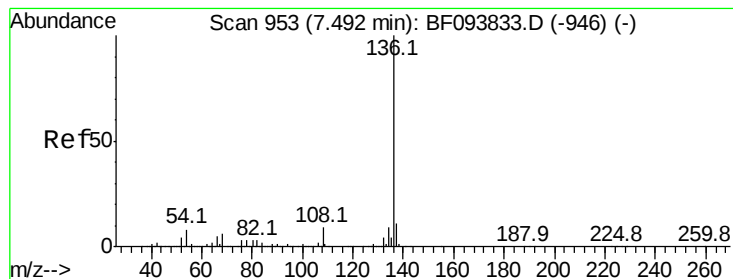
Tot Ion: 70 Resp: 20642
Ion Ratio Lower Upper
70 100
42 59.2 47.2 70.8
101 9.6 7.2 10.8
130 20.0 15.9 23.9



#20
3+4-Methylphenols
Concen: 2.31 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 107 Resp: 30568
Ion Ratio Lower Upper
107 100
108 86.5 71.0 111.0
77 140.0 90.5 130.5#
79 27.3 8.4 48.4





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

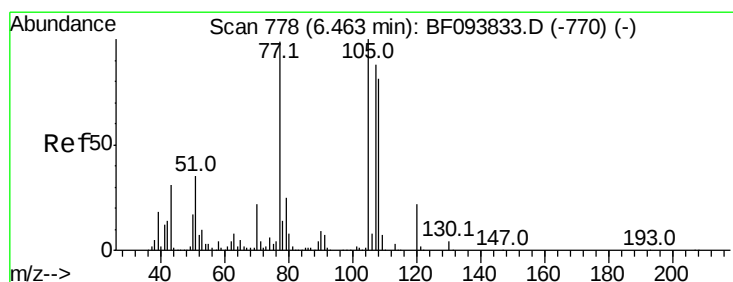
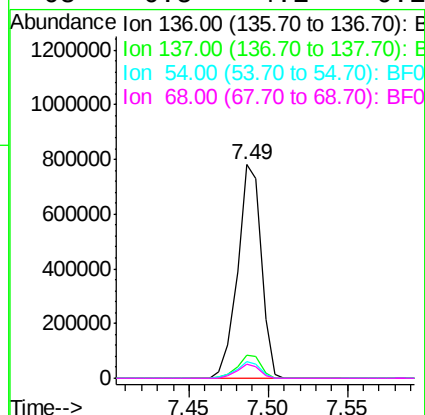
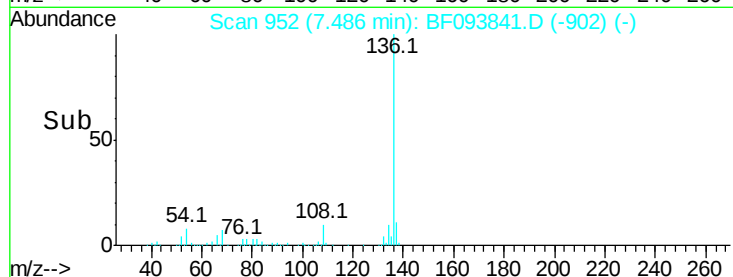
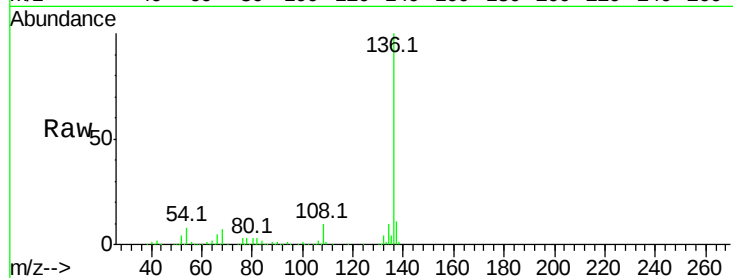
Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:136	Resp:	806460
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.5	12.7
54 8.0	4.9	7.3#
68 6.5	4.1	6.1#



#22

Acetophenone

Concen: 2.35 ng

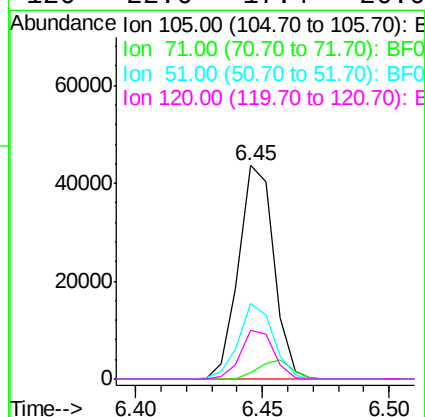
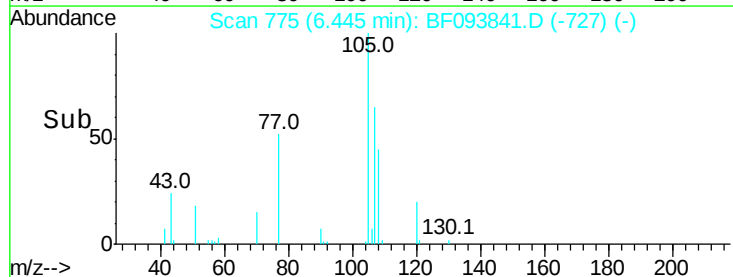
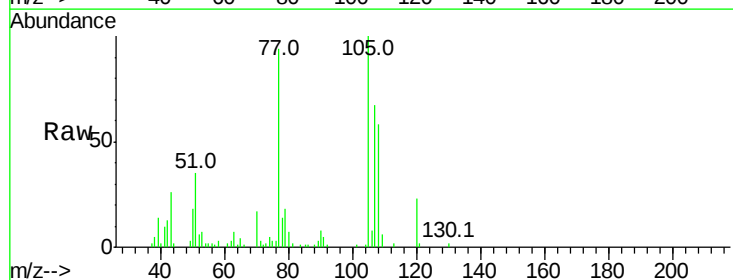
RT: 6.45 min Scan# 775

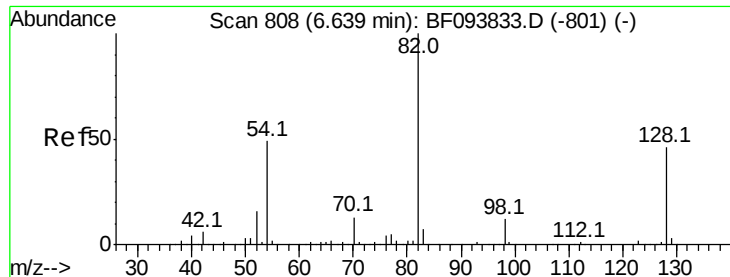
Delta R.T. -0.02 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Tgt Ion:105	Resp:	42238
Ion Ratio	Lower	Upper
105 100		
71 2.8	2.8	4.2
51 35.2	30.7	46.1
120 22.6	17.4	26.0

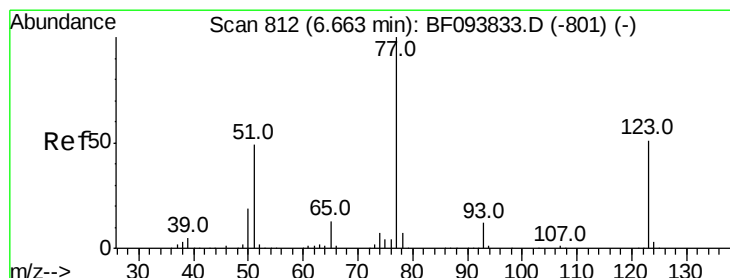
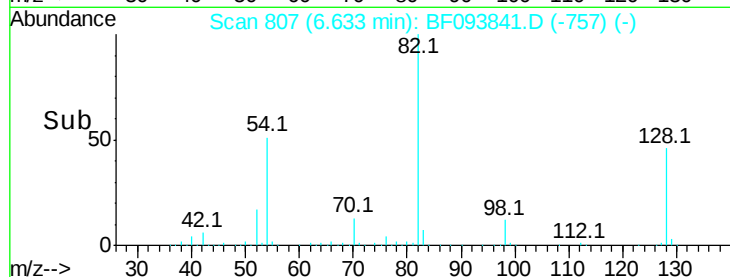
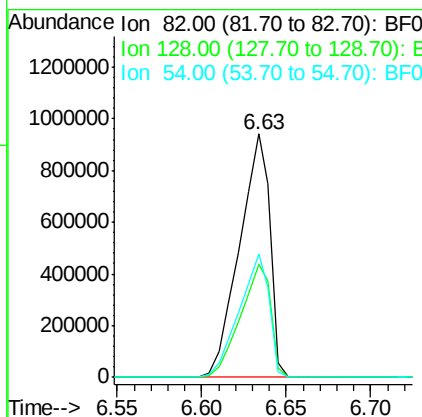
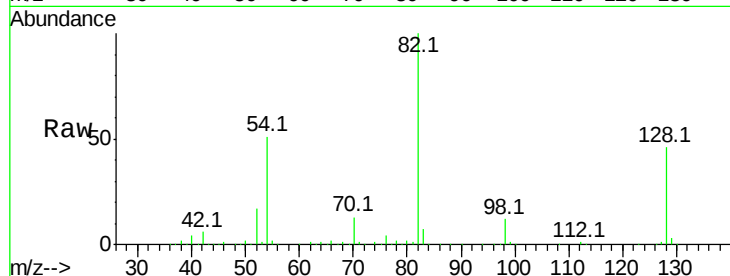




#23
 Nitrobenzene-d5
 Concen: 83.86 ng
 RT: 6.63 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

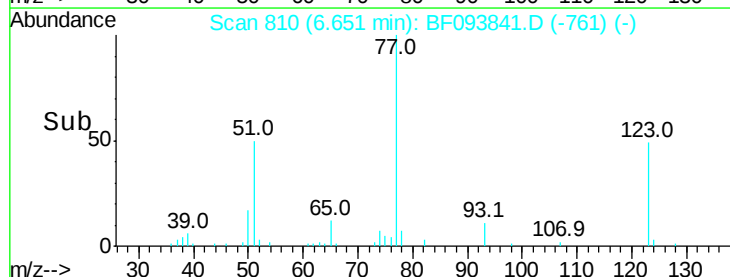
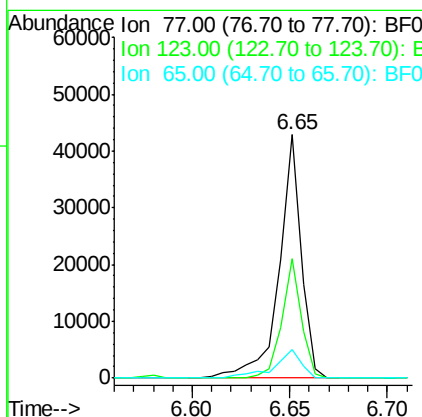
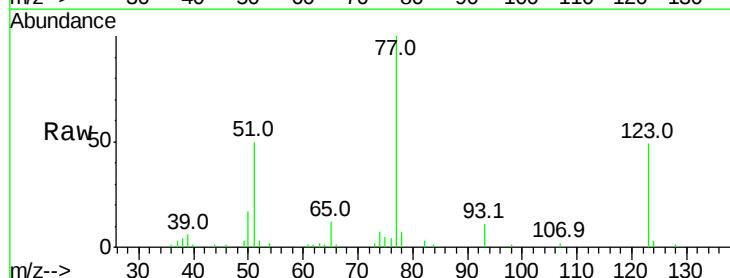
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

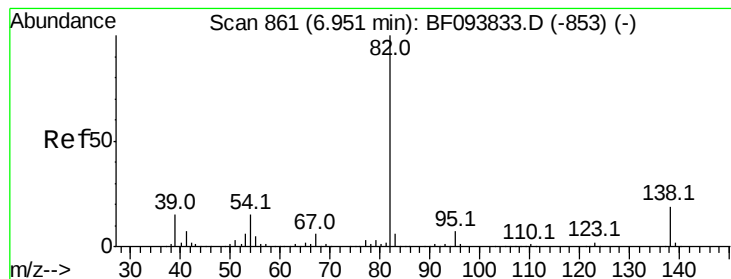
Tot Ion: 82 Resp: 1185034
 Ion Ratio Lower Upper
 82 100
 128 46.3 34.0 51.0
 54 50.8 42.2 63.2



#24
 Nitrobenzene
 Concen: 2.42 ng
 RT: 6.65 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion: 77 Resp: 33708
 Ion Ratio Lower Upper
 77 100
 123 49.3 35.8 53.8
 65 11.7 10.6 15.8





#25

Isophorone

Concen: 2.17 ng

RT: 6.93 min Scan# 858

Delta R.T. -0.02 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

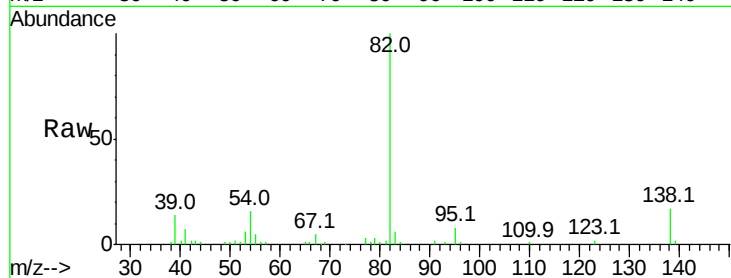
Tot Ion: 82 Resp: 53771

Ion Ratio Lower Upper

82 100

95 7.8 5.3 7.9

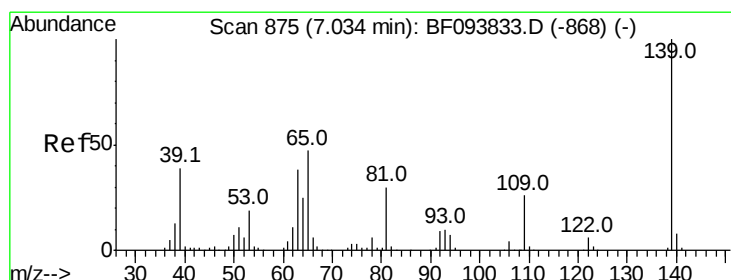
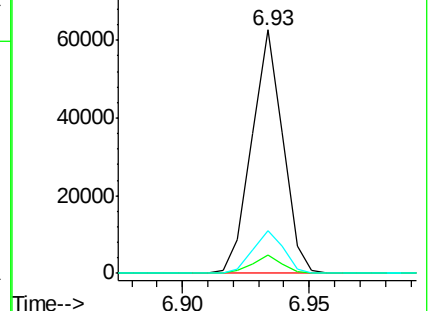
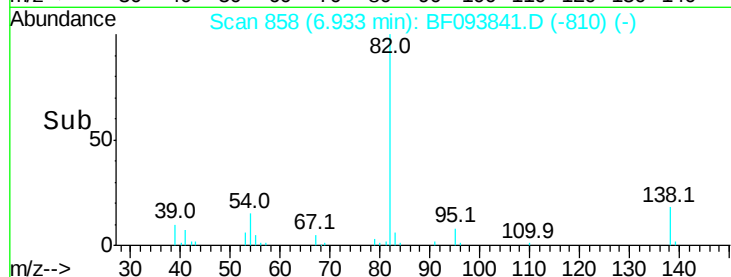
138 17.3 13.1 19.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#26

2-Nitrophenol

Concen: 1.70 ng

RT: 7.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

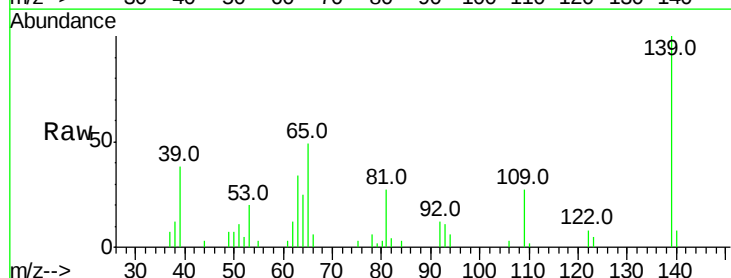
Tgt Ion:139 Resp: 11326

Ion Ratio Lower Upper

139 100

109 27.2 21.0 31.6

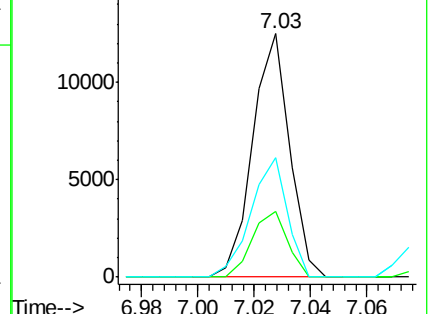
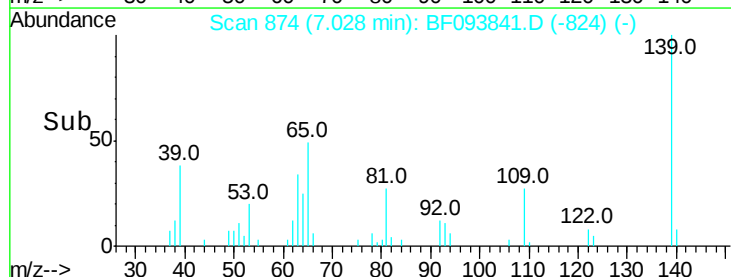
65 49.1 33.0 49.6

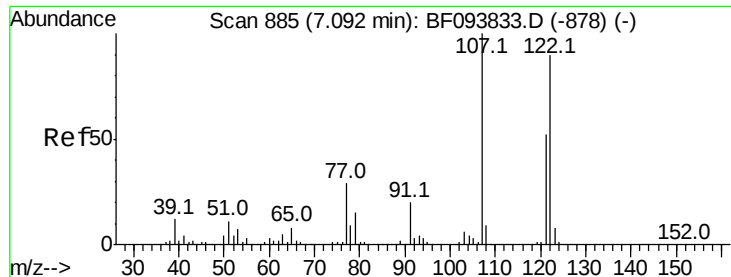


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

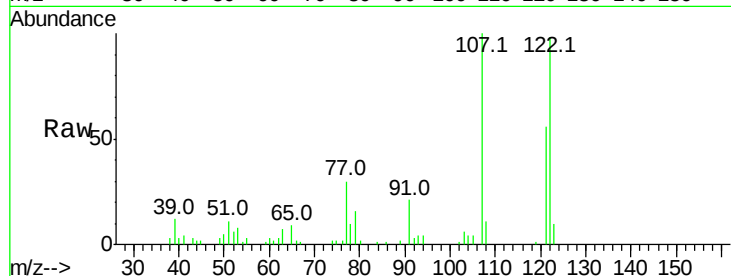




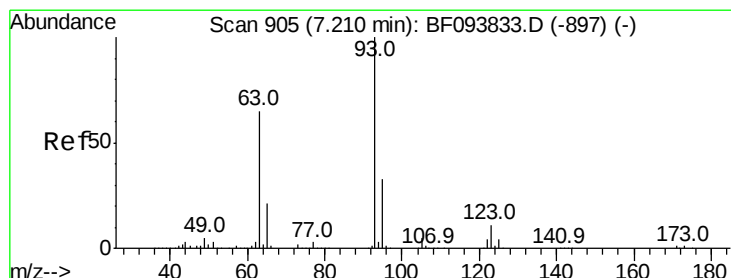
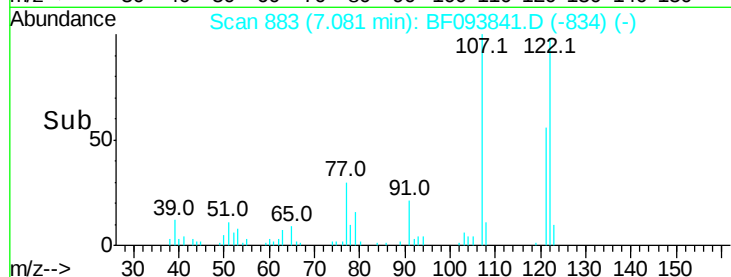
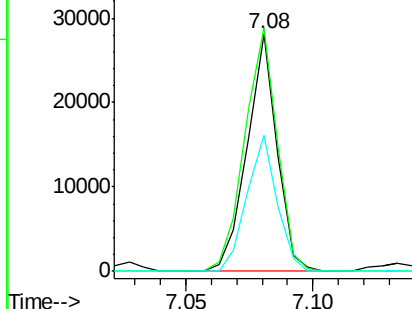
#27
2,4-Dimethylphenol
Concen: 2.02 ng
RT: 7.08 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

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

Tot Ion:122 Resp: 23123
Ion Ratio Lower Upper
122 100
107 102.6 89.2 133.8
121 57.1 45.2 67.8

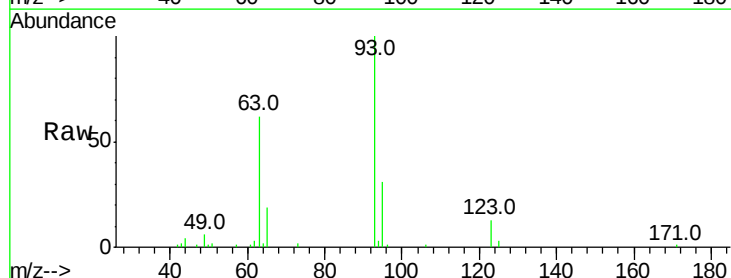


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

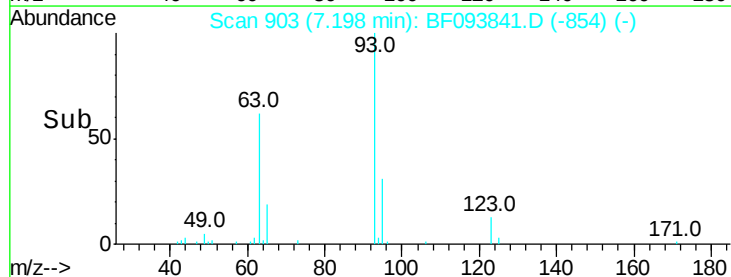
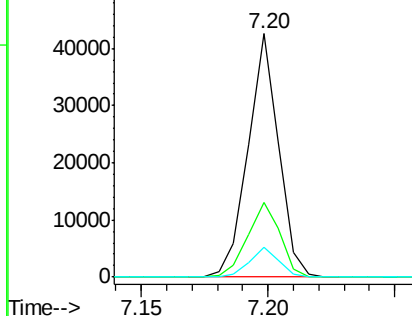


#28
bis(2-Chloroethoxy)methane
Concen: 2.19 ng
RT: 7.20 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion: 93 Resp: 35780
Ion Ratio Lower Upper
93 100
95 30.9 26.5 39.7
123 12.5 9.0 13.4



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

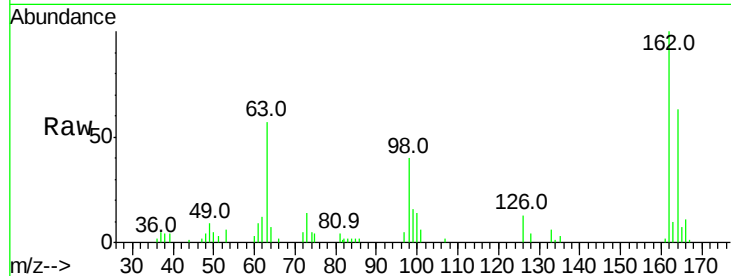




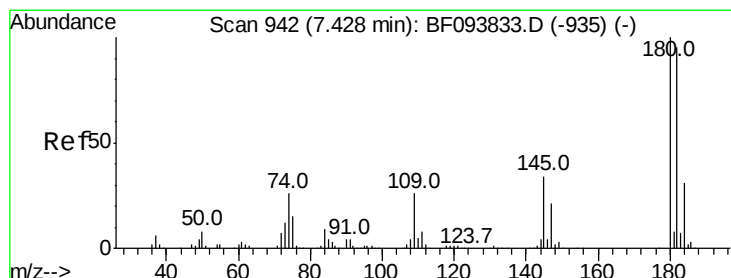
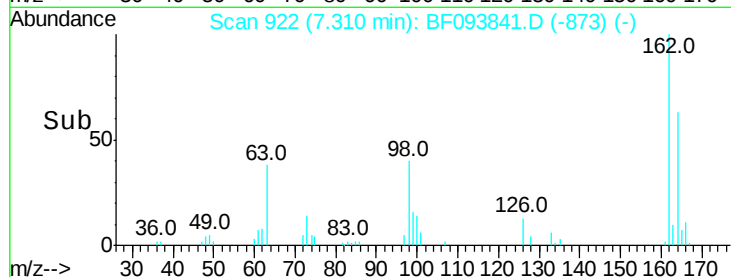
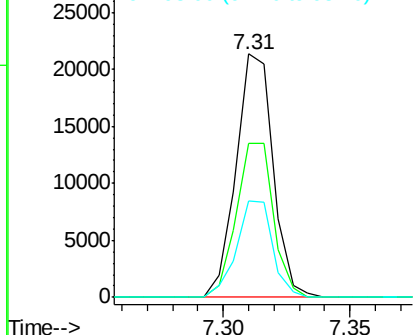
#29
 2,4-Dichlorophenol
 Concen: 2.02 ng
 RT: 7.31 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion:162 Resp: 21638
 Ion Ratio Lower Upper
 162 100
 164 63.3 44.6 84.6
 98 39.8 14.8 54.8

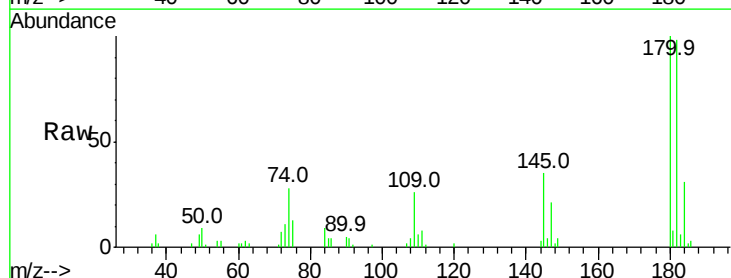


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

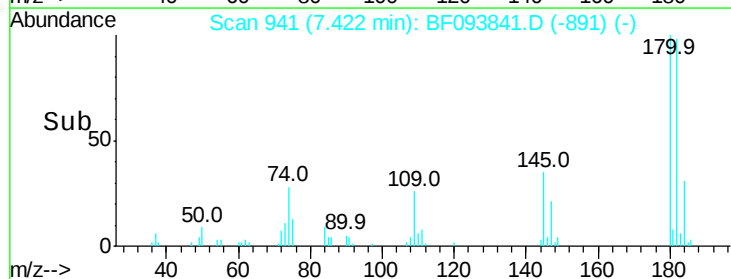
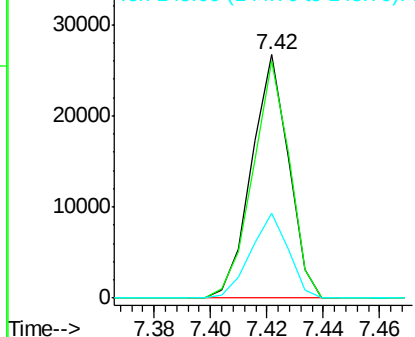


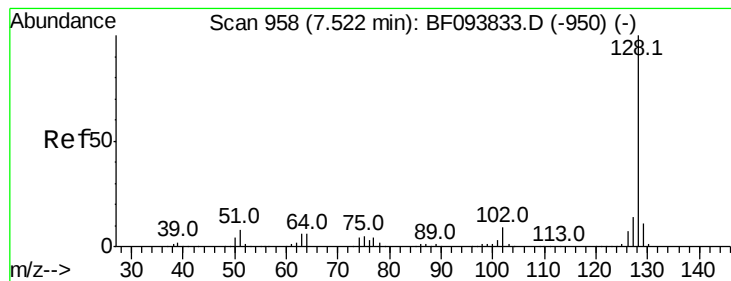
#30
 1,2,4-Trichlorobenzene
 Concen: 2.21 ng
 RT: 7.42 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:180 Resp: 24347
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.8 113.6
 145 35.0 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: 2.34 ng

RT: 7.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

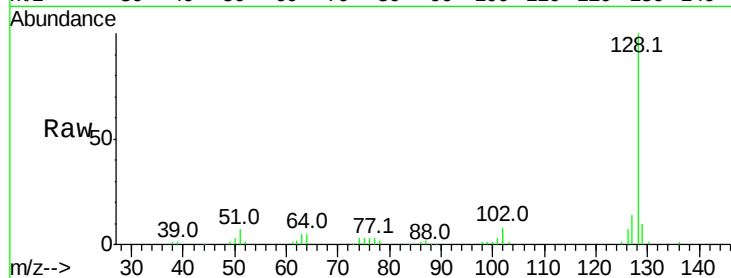
Tot Ion:128 Resp: 90751

Ion Ratio Lower Upper

128 100

129 10.0 9.0 13.6

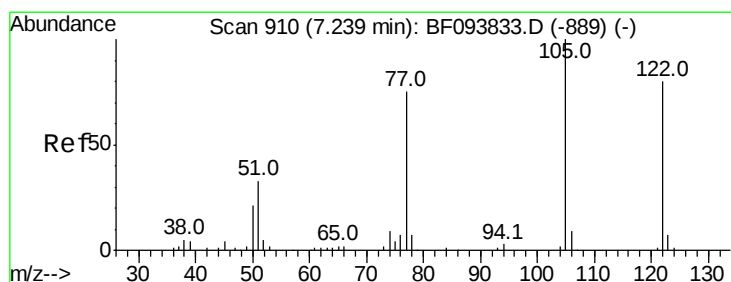
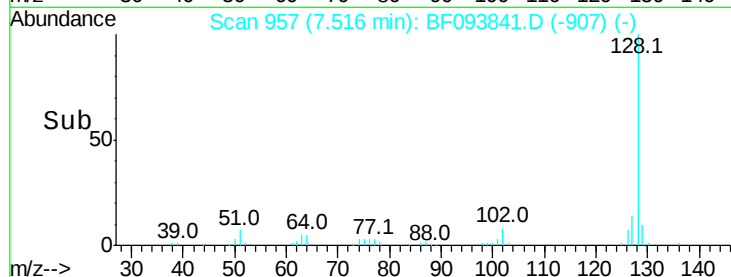
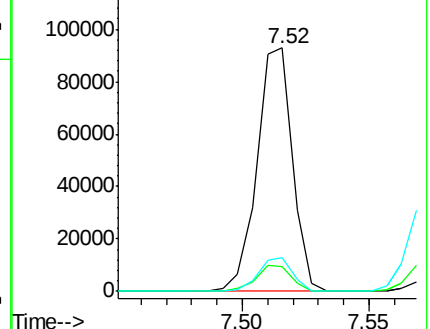
127 13.7 10.8 16.2



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: 0.15 ng

RT: 7.13 min Scan# 892

Delta R.T. -0.11 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

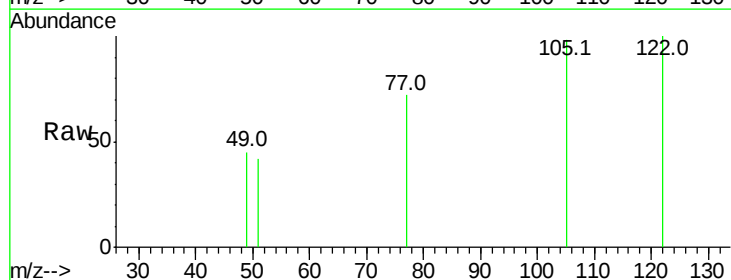
Tgt Ion:122 Resp: 1169

Ion Ratio Lower Upper

122 100

105 98.1 103.3 143.3#

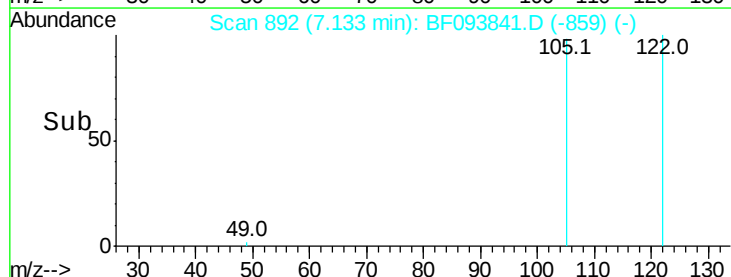
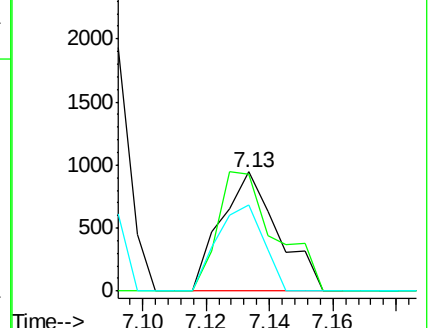
77 72.3 73.7 113.7#

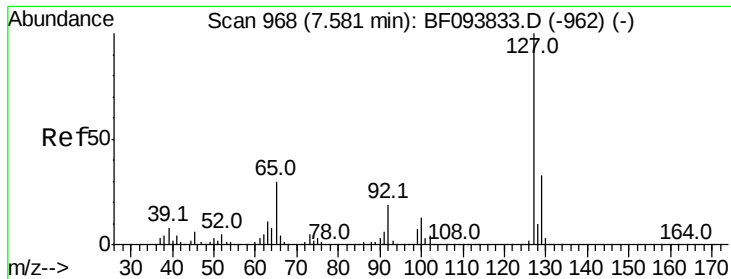


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

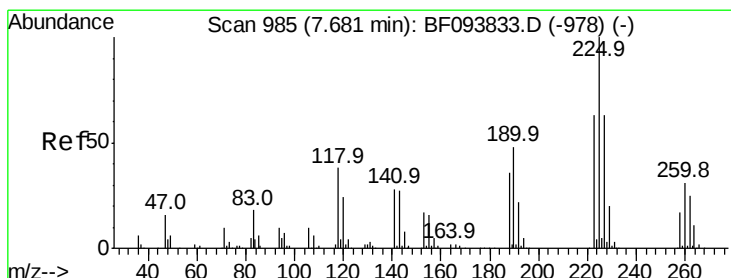
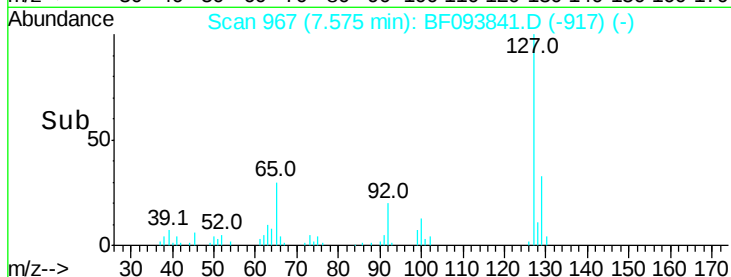
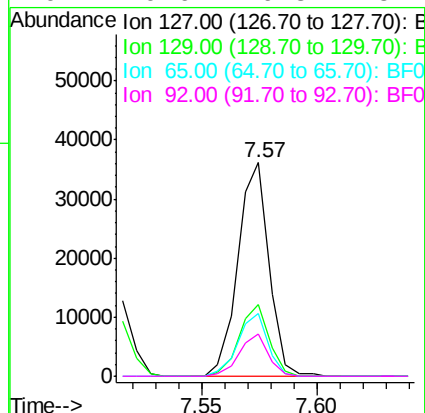
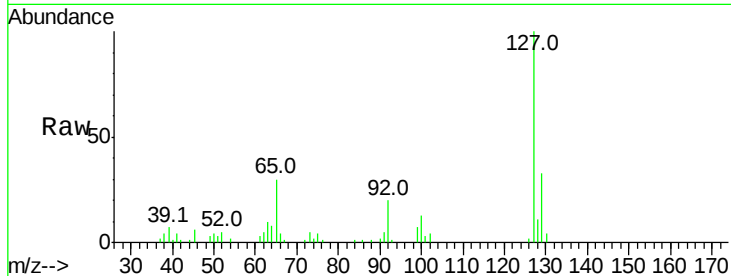




#33
4-Chloroaniline
Concen: 2.16 ng
RT: 7.57 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

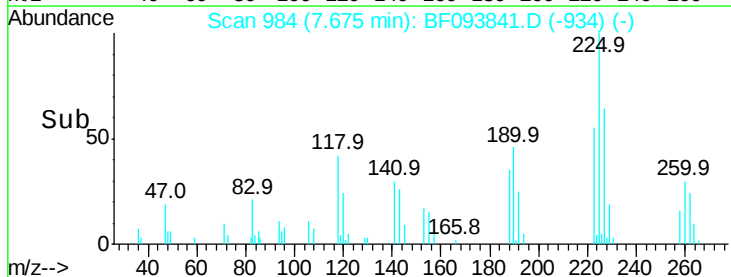
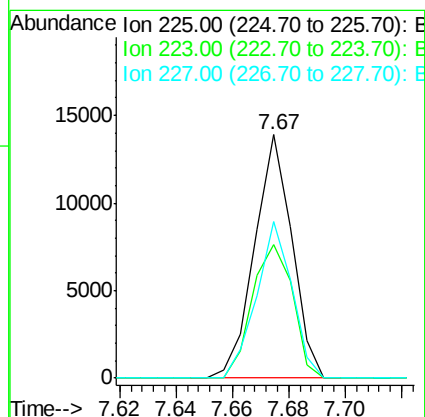
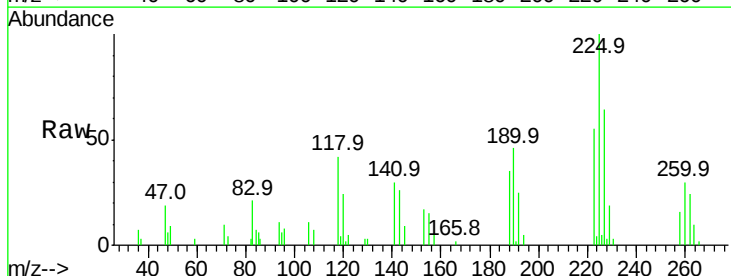
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

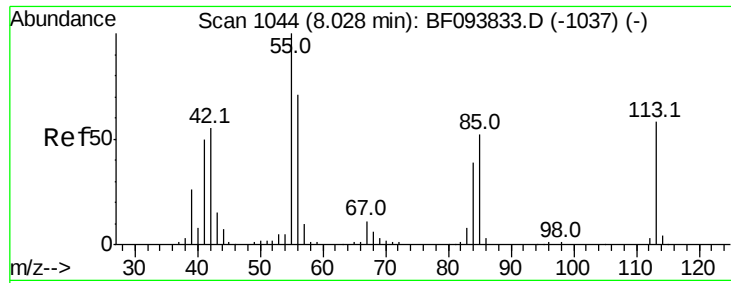
Tot Ion:	127	Resp:	33960
Ion	Ratio	Lower	Upper
127	100		
129	33.4	26.2	39.2
65	29.6	27.8	41.8
92	19.6	16.8	25.2



#34
Hexachlorobutadiene
Concen: 2.26 ng
RT: 7.67 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion:	225	Resp:	12776
Ion	Ratio	Lower	Upper
225	100		
223	52.4	48.8	73.2
227	61.5	51.1	76.7





#35

Caprolactam

Concen: 1.85 ng

RT: 7.96 min Scan# 1032

Delta R.T. -0.07 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

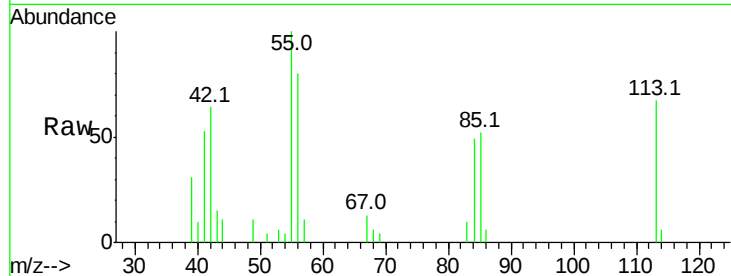
Tot Ion:113 Resp: 6311

Ion Ratio Lower Upper

113 100

55 148.2 150.2 190.2#

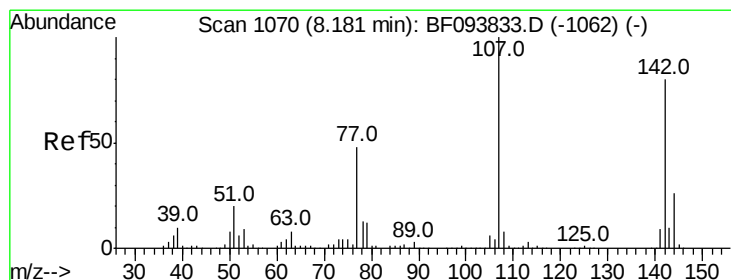
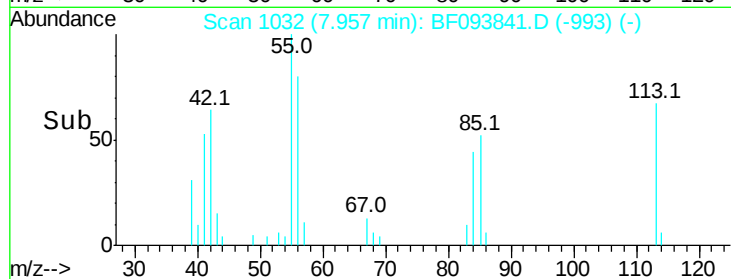
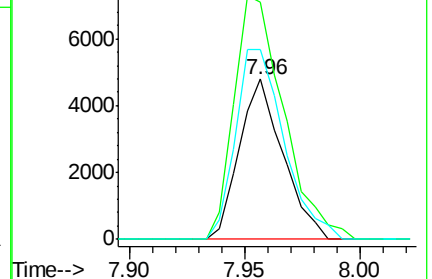
56 119.1 107.8 147.8



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 2.05 ng

RT: 8.16 min Scan# 1067

Delta R.T. -0.02 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

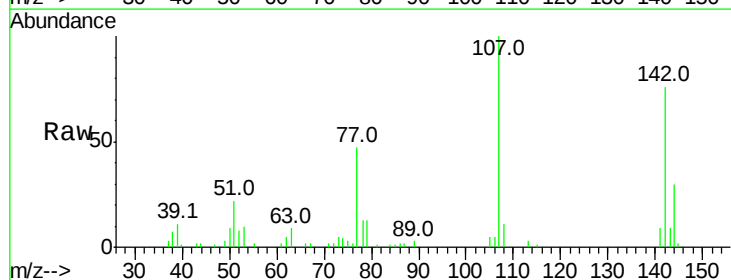
Tgt Ion:107 Resp: 22942

Ion Ratio Lower Upper

107 100

144 29.8 24.2 36.4

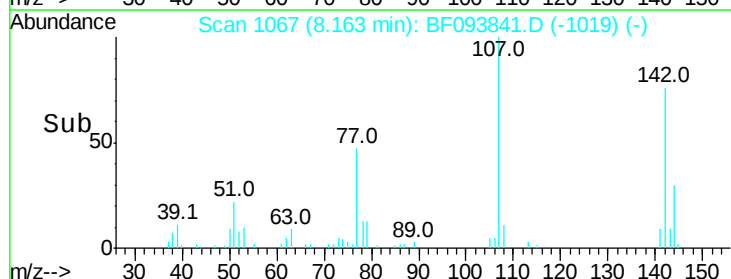
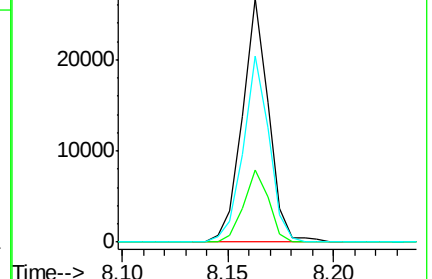
142 76.3 73.4 110.0

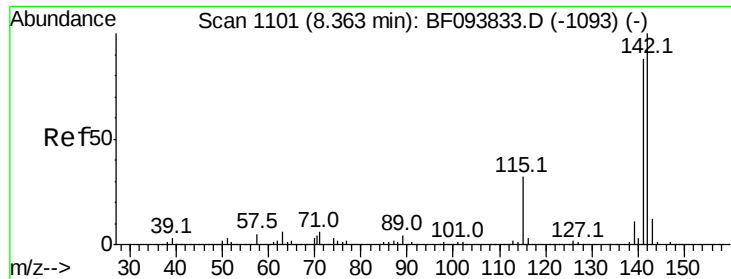


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

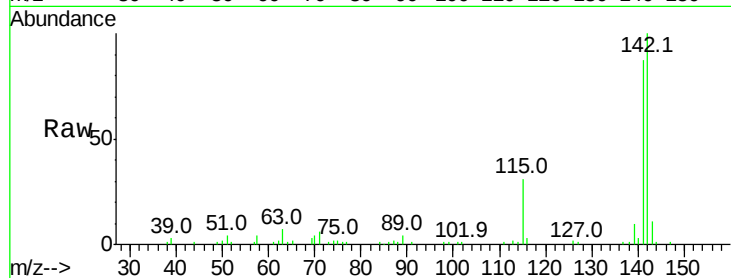




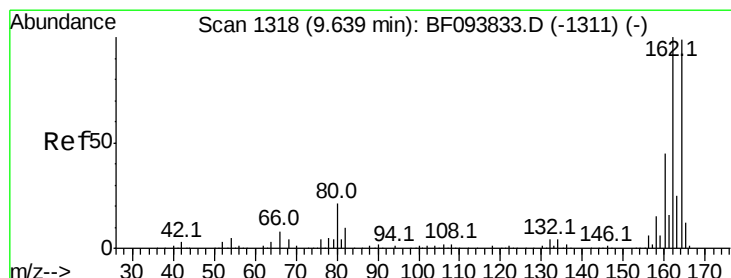
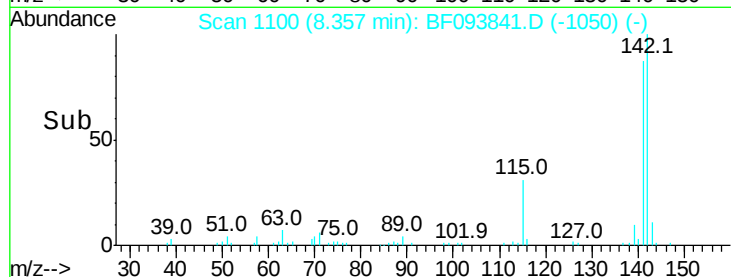
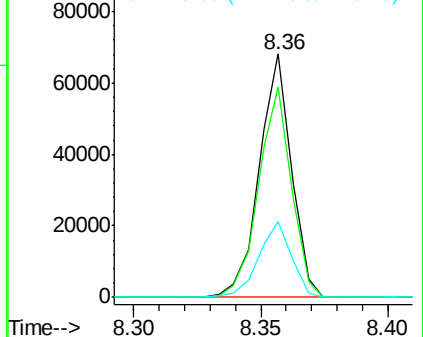
#37
2-Methylnaphthalene
Concen: 2.31 ng
RT: 8.36 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

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

Tot Ion:142 Resp: 59799
Ion Ratio Lower Upper
142 100
141 86.6 71.3 106.9
115 31.2 27.1 40.7

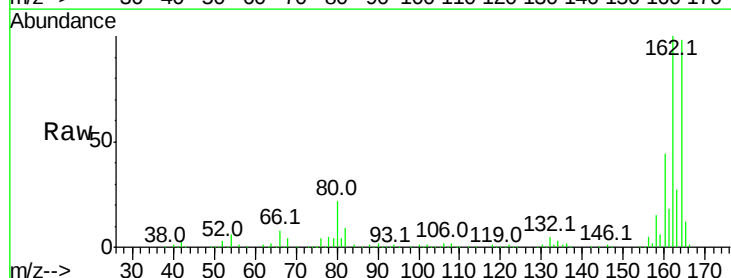


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

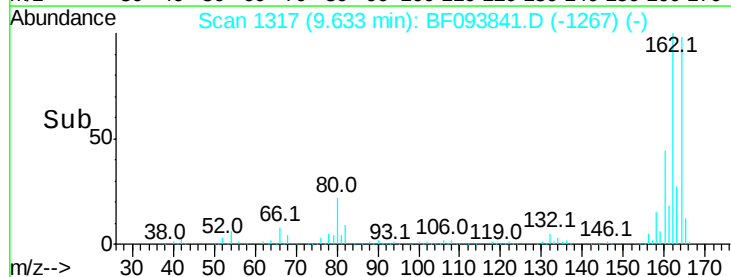
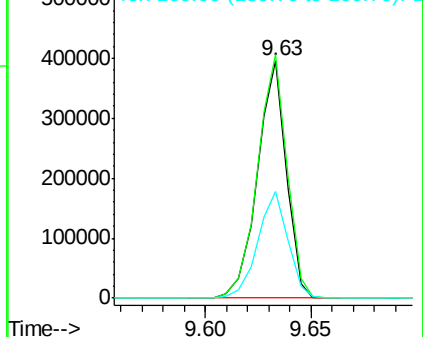


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion:164 Resp: 376639
Ion Ratio Lower Upper
164 100
162 102.5 82.6 123.8
160 45.1 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

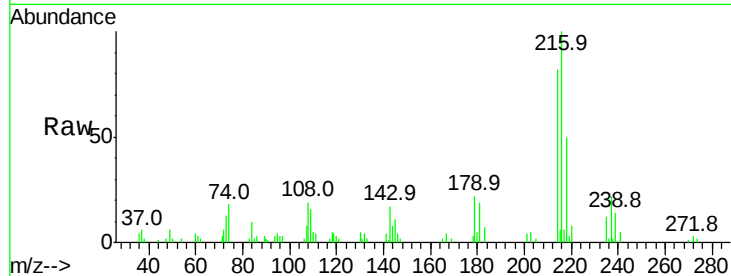




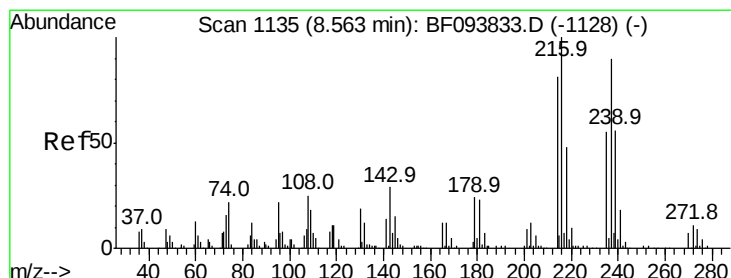
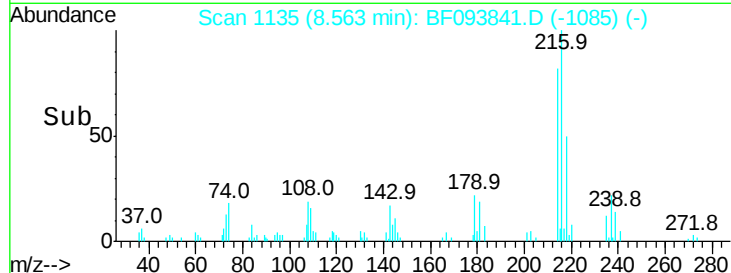
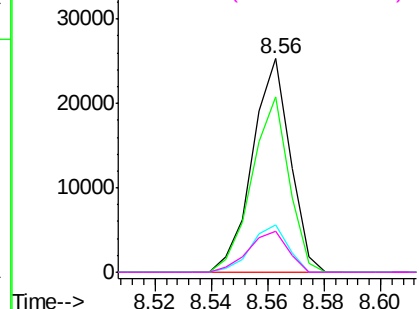
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 2.29 ng
 RT: 8.56 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion:	216	Resp:	23581
Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.4	95.2
179	21.7	17.9	26.9
108	20.2	16.5	24.7

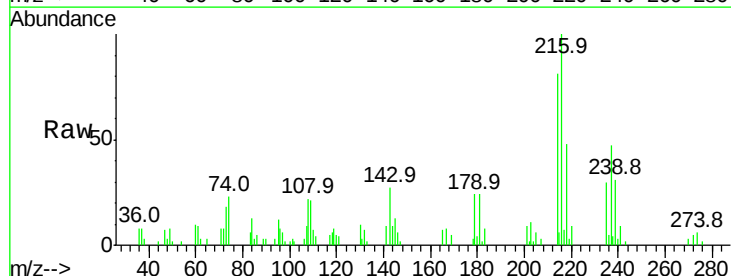


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

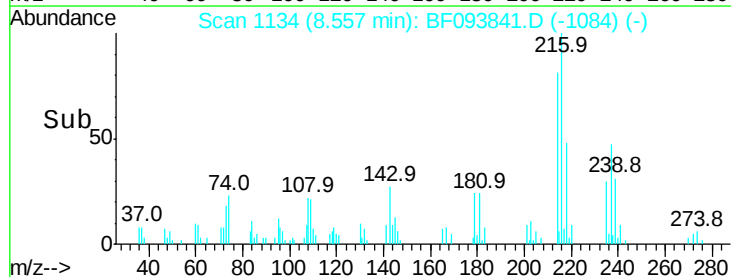
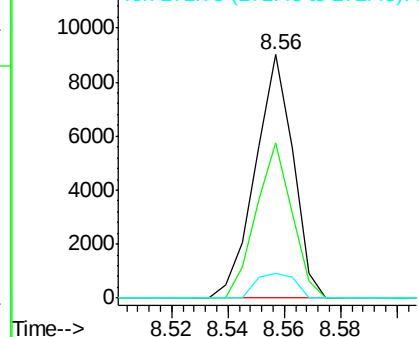


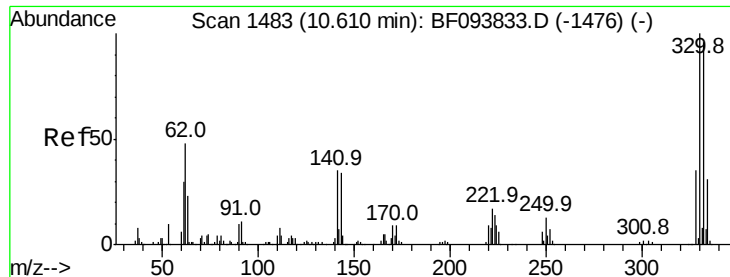
#40
 Hexachlorocyclopentadiene
 Concen: 1.73 ng
 RT: 8.56 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:	237	Resp:	8361
Ion	Ratio	Lower	Upper
237	100		
235	63.7	42.6	82.6
272	10.3	0.0	31.9



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

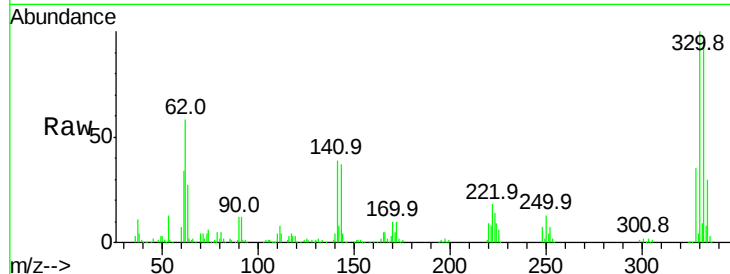




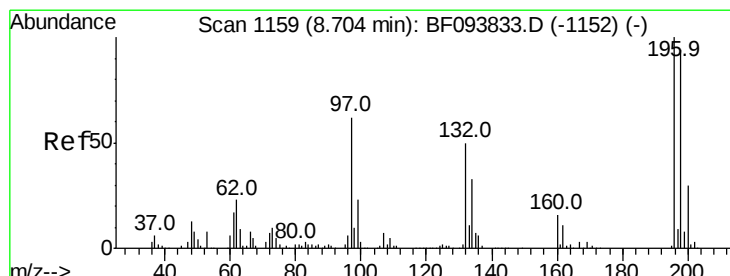
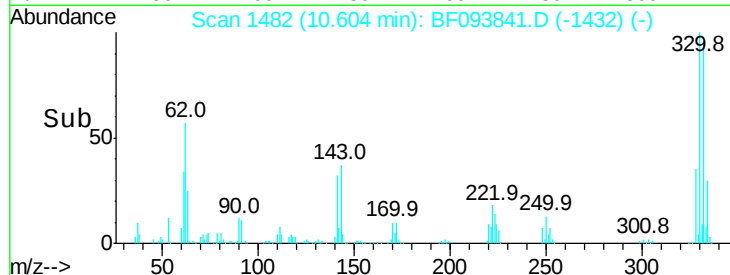
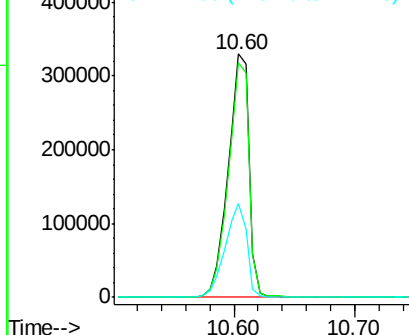
#41
 2,4,6-Tribromophenol
 Concen: 134.03 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	39.6	31.4	47.2

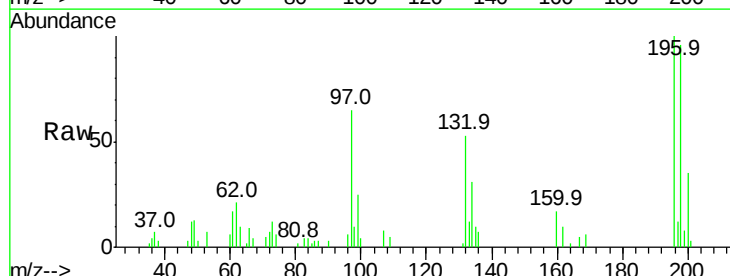


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

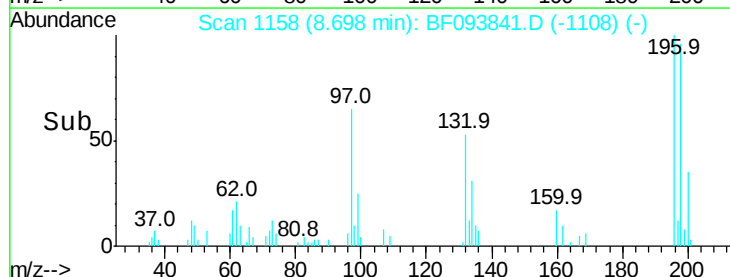
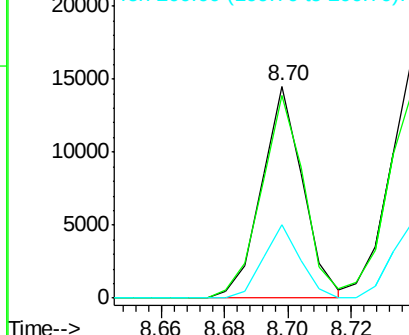


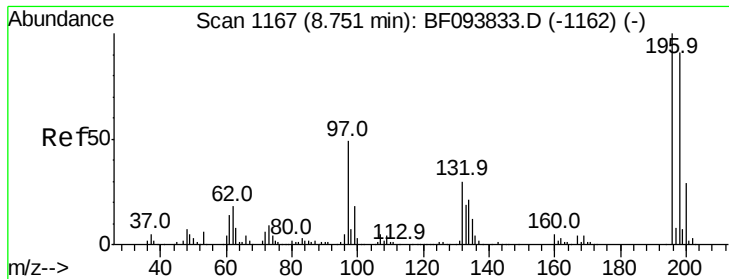
#42
 2,4,6-Trichlorophenol
 Concen: 1.80 ng
 RT: 8.70 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.8	74.2	111.4
200	34.7	24.0	36.0



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

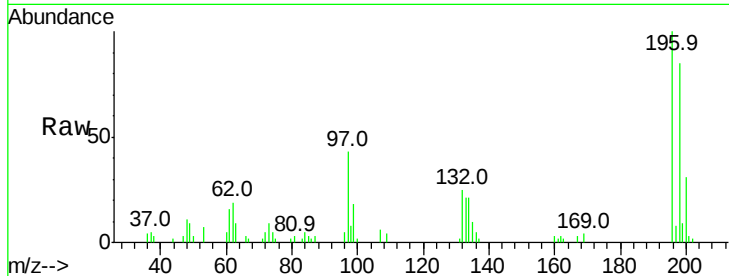




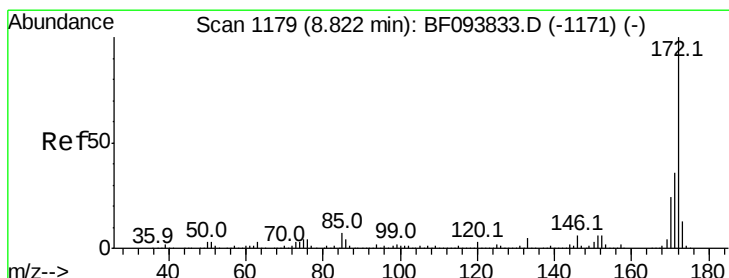
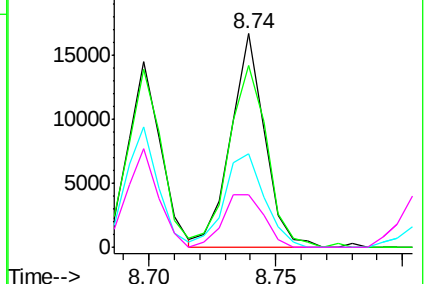
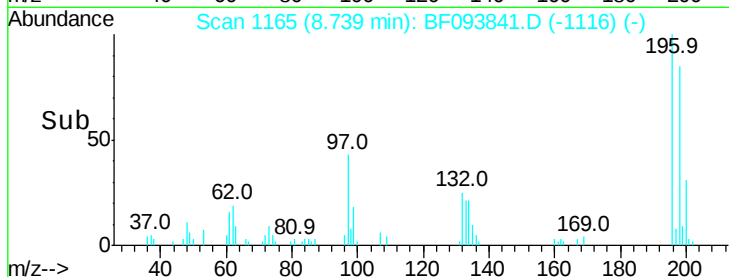
#43
 2,4,5-Trichlorophenol
 Concen: 1.97 ng
 RT: 8.74 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion:196 Resp: 15525
 Ion Ratio Lower Upper
 196 100
 198 85.2 75.7 113.5
 97 43.5 47.7 71.5#
 132 24.6 28.0 42.0#

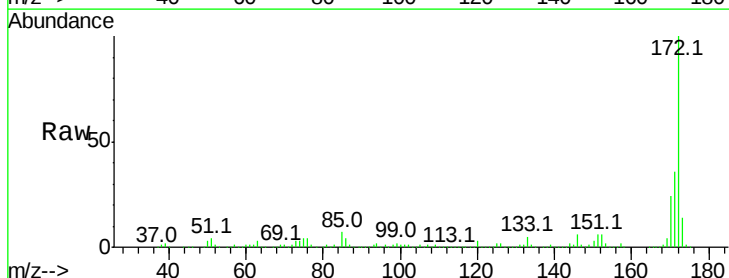


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

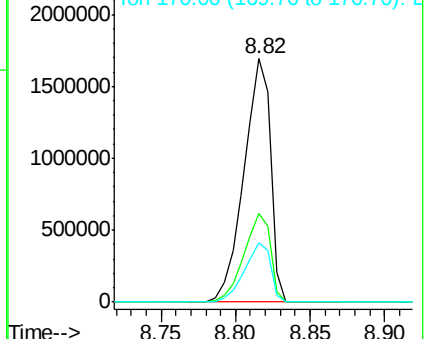
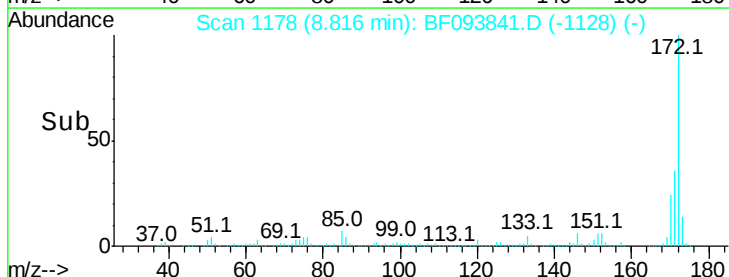


#44
 2-Fluorobiphenyl
 Concen: 83.99 ng
 RT: 8.82 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:172 Resp: 2073973
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.2 19.8 29.8



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





#45

1,1'-Biphenyl

Concen: 2.49 ng

RT: 8.93 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

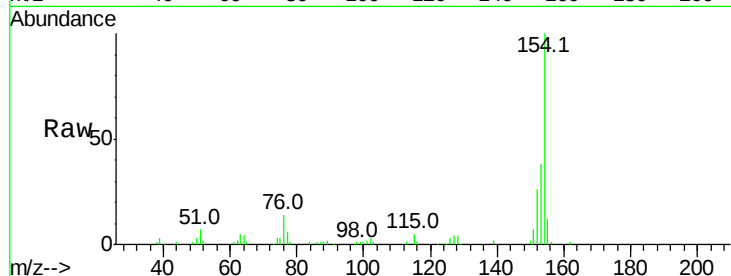
Tot Ion:154 Resp: 75604

Ion Ratio Lower Upper

154 100

153 37.7 21.2 61.2

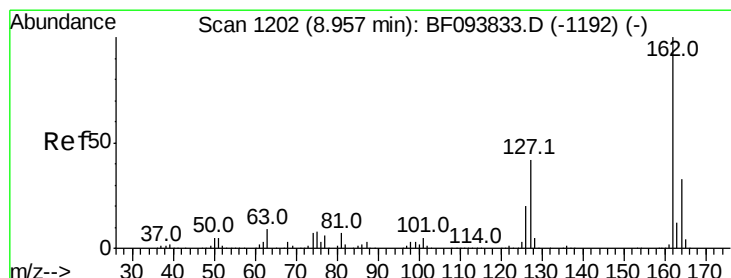
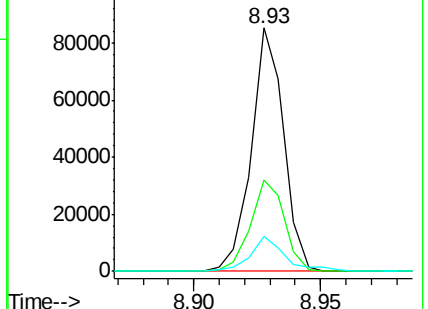
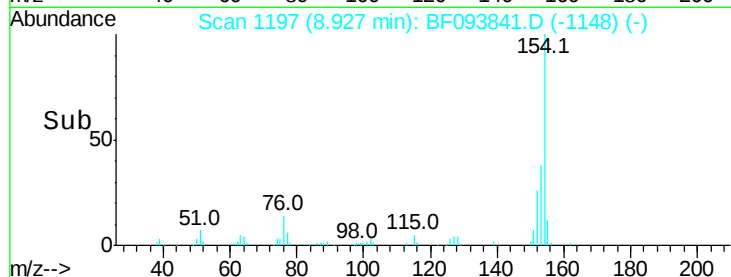
76 14.4 0.0 29.9



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: 2.35 ng

RT: 8.95 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

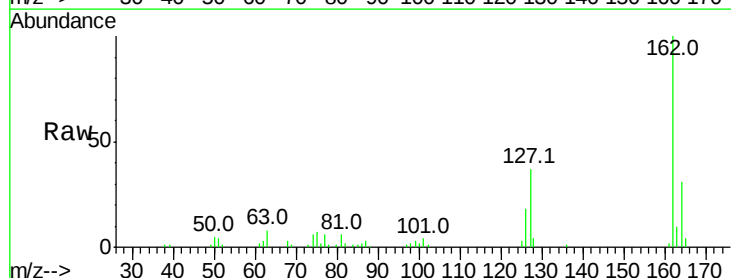
Tgt Ion:162 Resp: 55812

Ion Ratio Lower Upper

162 100

127 36.6 28.3 42.5

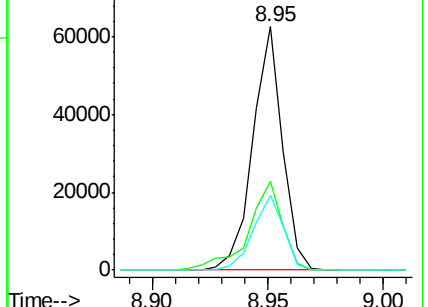
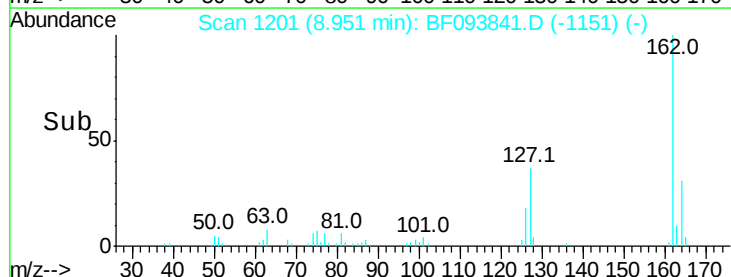
164 30.8 27.0 40.4

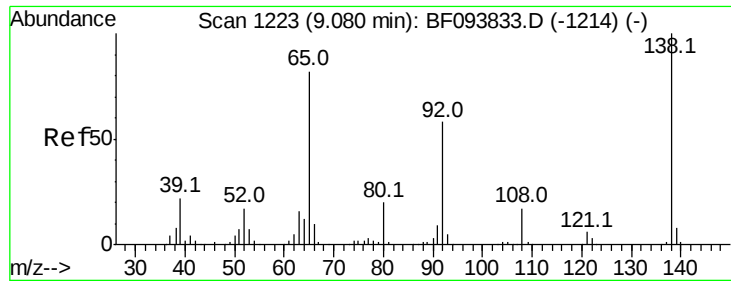


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E

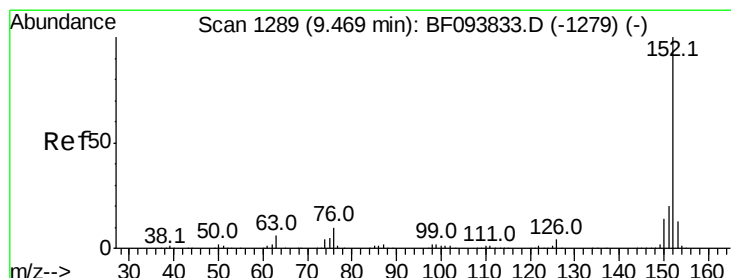
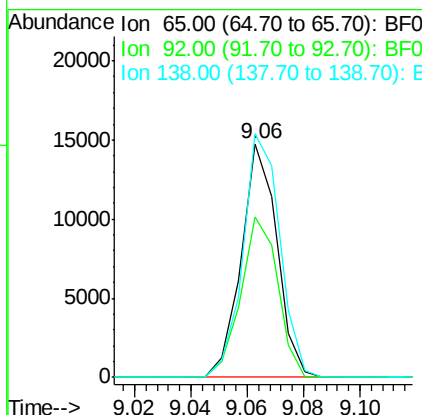
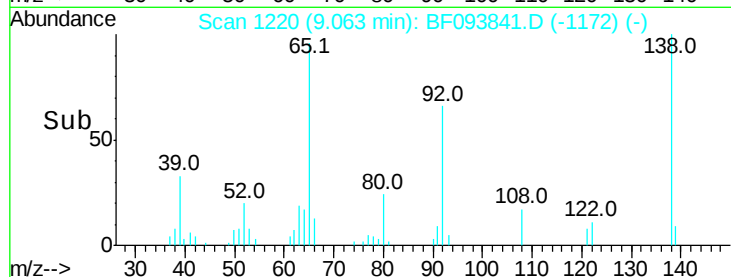
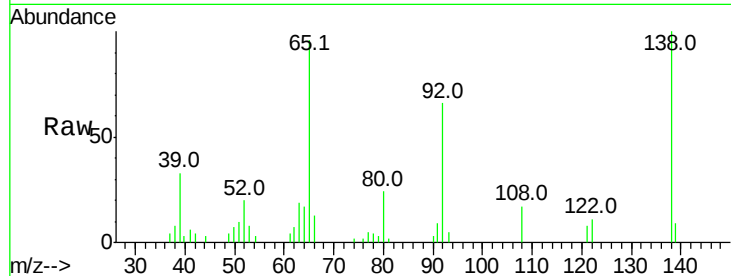




#47
 2-Nitroaniline
 Concen: 1.84 ng
 RT: 9.06 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

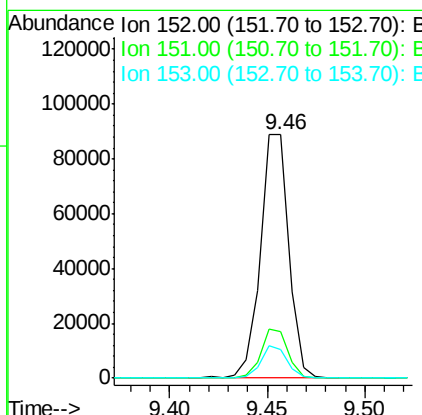
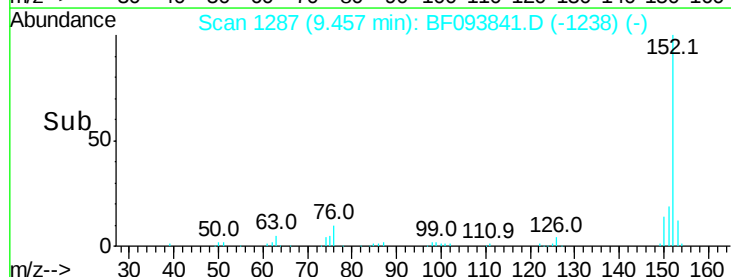
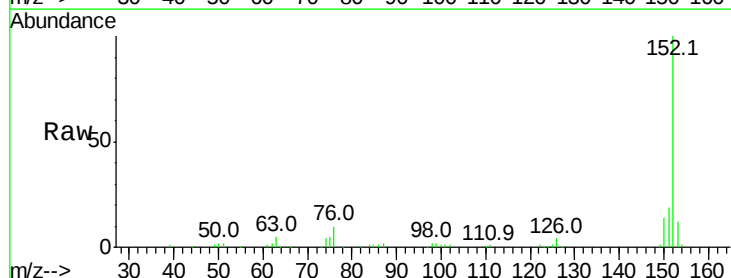
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

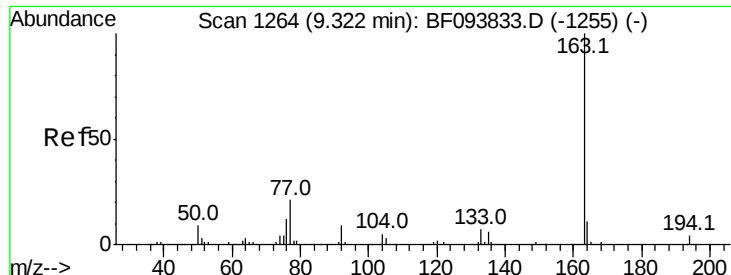
Tot Ion: 65 Resp: 12952
 Ion Ratio Lower Upper
 65 100
 92 68.5 53.9 80.9
 138 104.2 78.8 118.2



#48
 Acenaphthylene
 Concen: 2.27 ng
 RT: 9.46 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:152 Resp: 89688
 Ion Ratio Lower Upper
 152 100
 151 18.9 16.8 25.2
 153 11.8 10.8 16.2

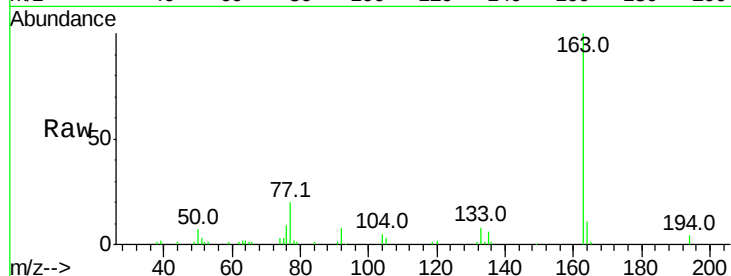




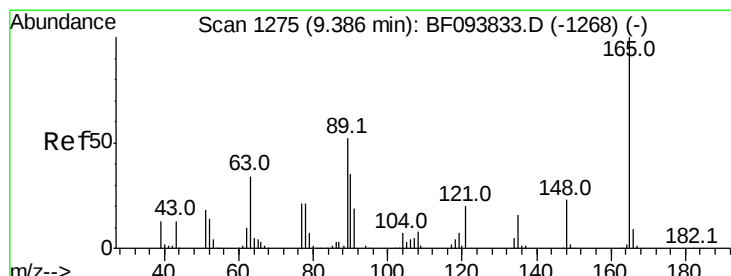
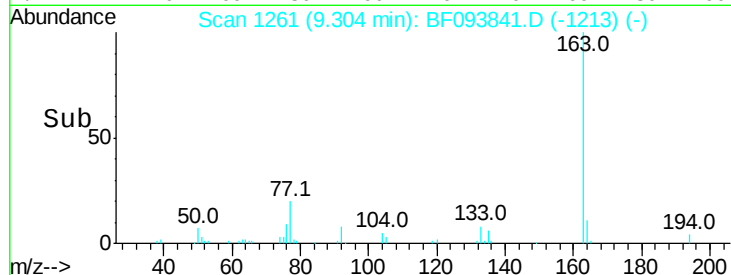
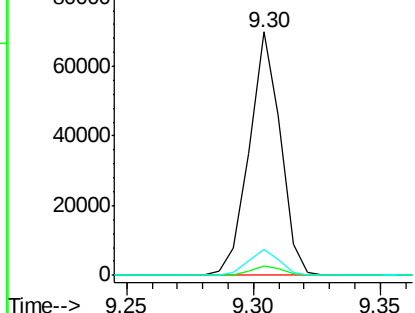
#49
 Dimethylphthalate
 Concen: 2.24 ng
 RT: 9.30 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion:163	Resp:	59913
Ion Ratio	Lower	Upper
163	100	
194	3.6	2.6 4.0
164	10.9	8.4 12.6

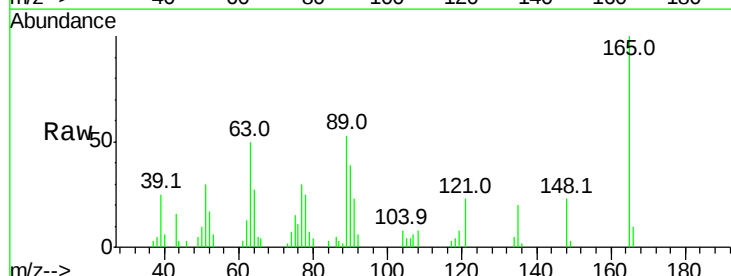


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

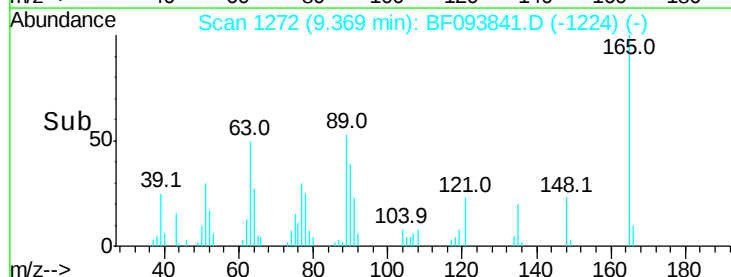
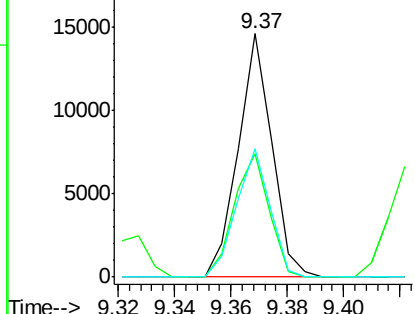


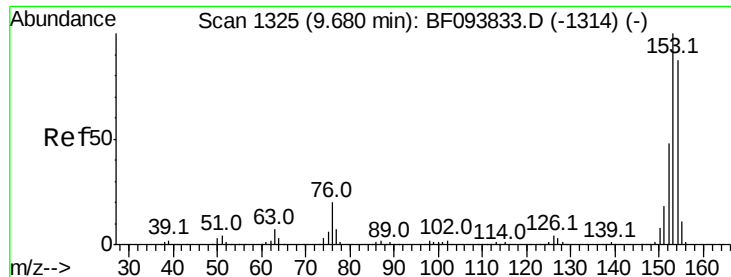
#50
 2,6-Dinitrotoluene
 Concen: 1.97 ng
 RT: 9.37 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:165	Resp:	12120
Ion Ratio	Lower	Upper
165	100	
63	50.4	34.3 51.5
89	52.9	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: 2.17 ng

RT: 9.67 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

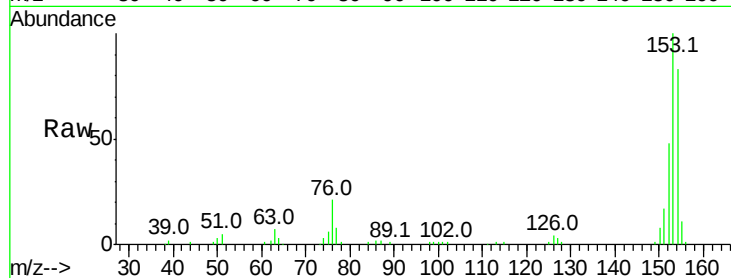
Tot Ion:154 Resp: 49930

Ion Ratio Lower Upper

154 100

153 119.9 90.5 135.7

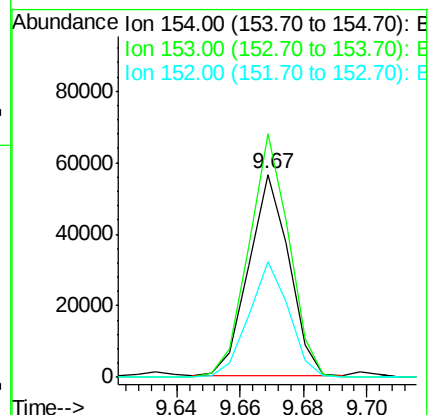
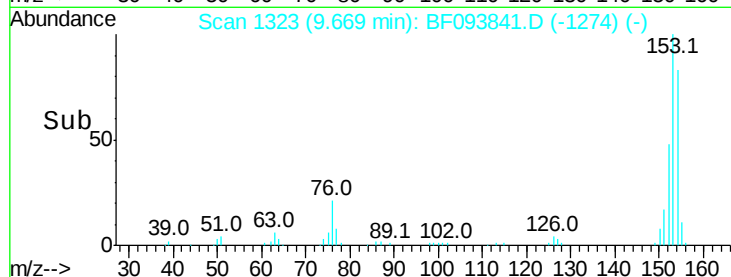
152 57.2 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 1.91 ng

RT: 9.56 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

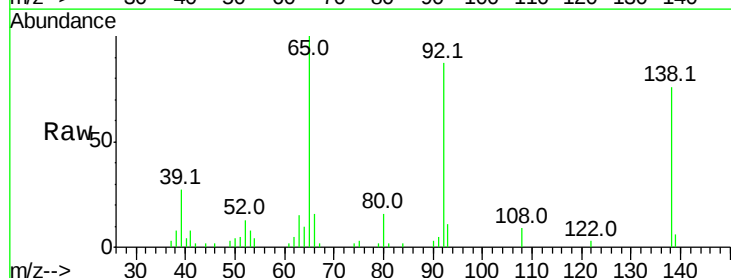
Tgt Ion:138 Resp: 13790

Ion Ratio Lower Upper

138 100

108 11.4 9.1 13.7

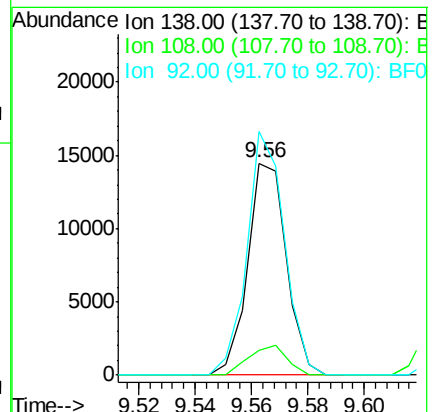
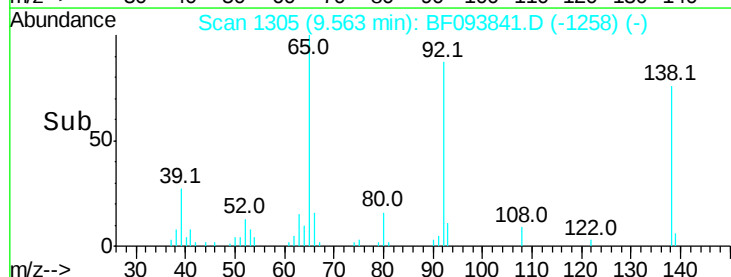
92 114.9 93.8 140.6

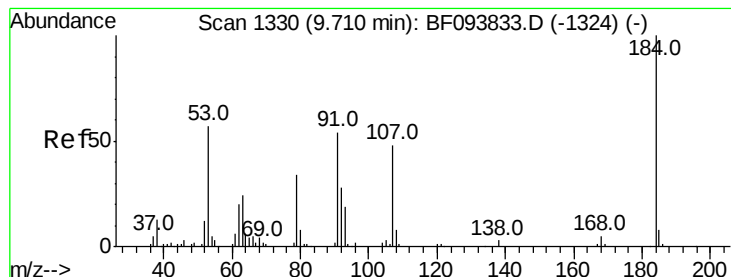


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 5.09 ng

RT: 9.70 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

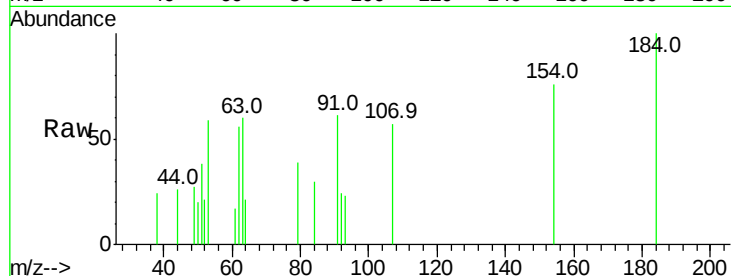
Tot Ion:184 Resp: 1487

Ion Ratio Lower Upper

184 100

63 59.8 62.7 94.1#

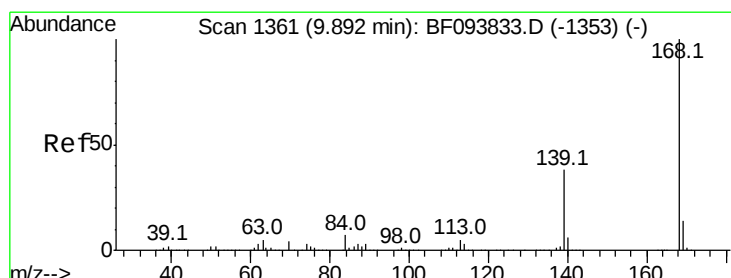
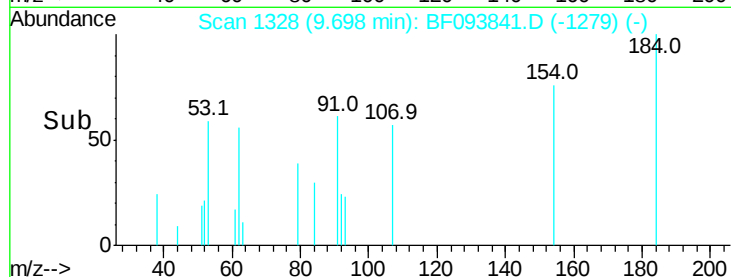
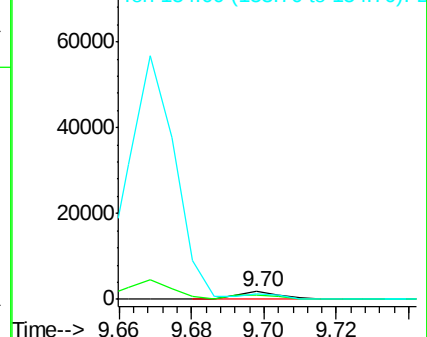
154 76.2 81.1 121.7#



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: 2.38 ng

RT: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

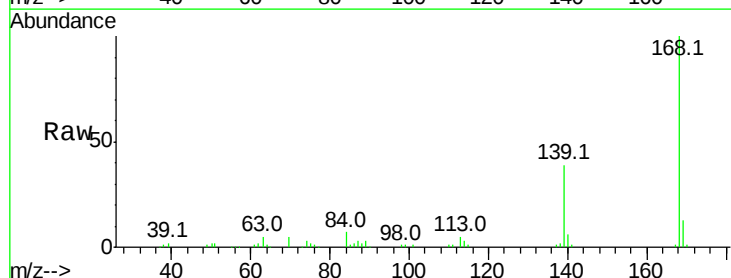
Tgt Ion:168 Resp: 74706

Ion Ratio Lower Upper

168 100

139 39.2 30.6 45.8

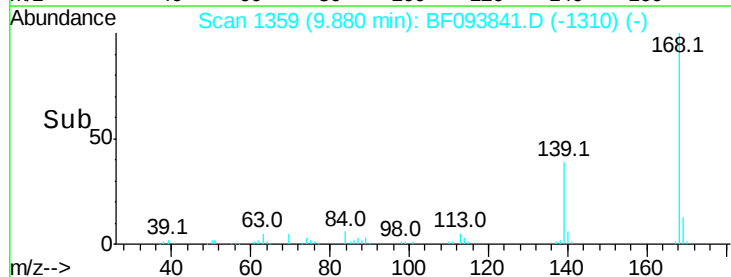
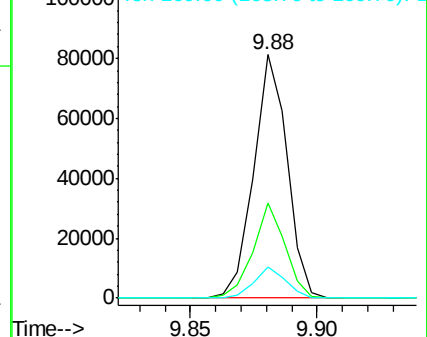
169 12.5 10.8 16.2

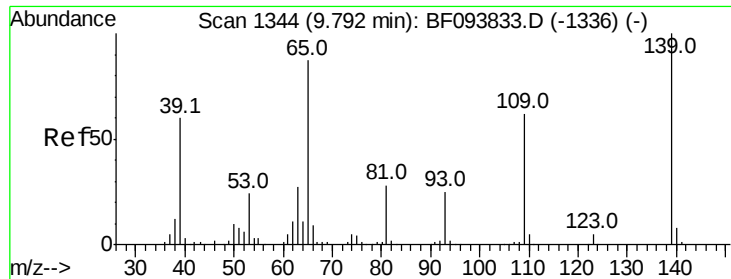


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

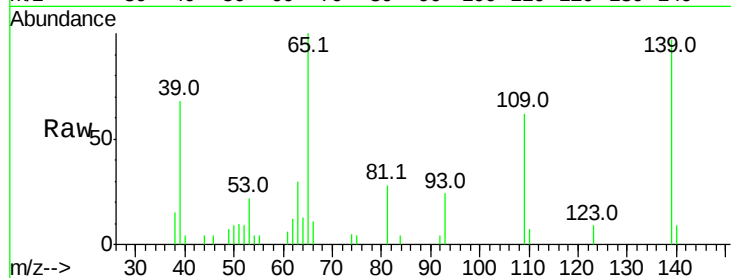




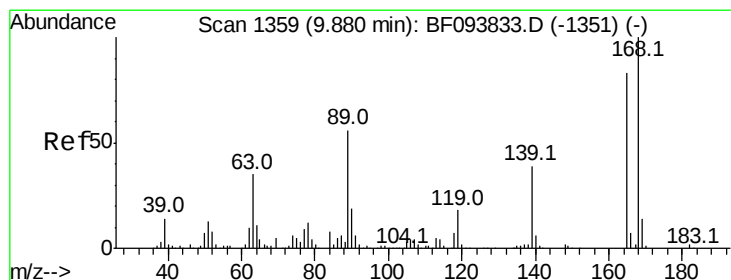
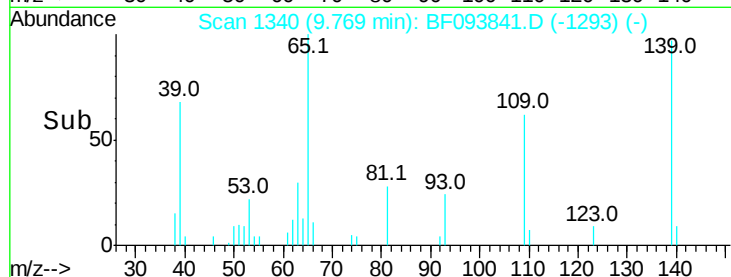
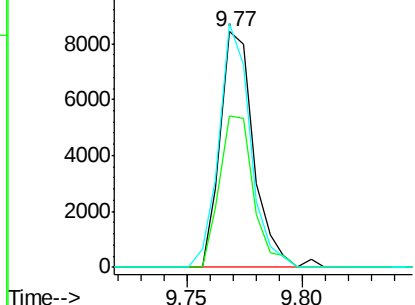
#55
4-Nitrophenol
Concen: 1.51 ng
RT: 9.77 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

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

Tot Ion:139 Resp: 8514
Ion Ratio Lower Upper
139 100
109 64.5 34.1 74.1
65 103.4 31.4 71.4#

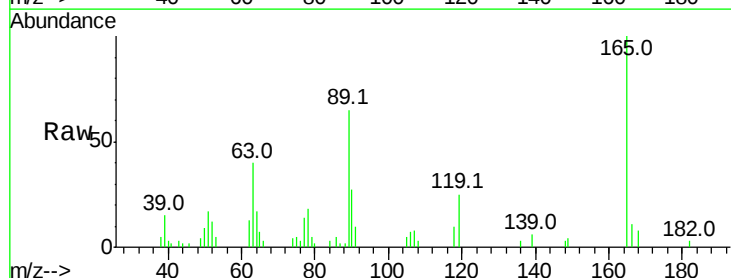


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

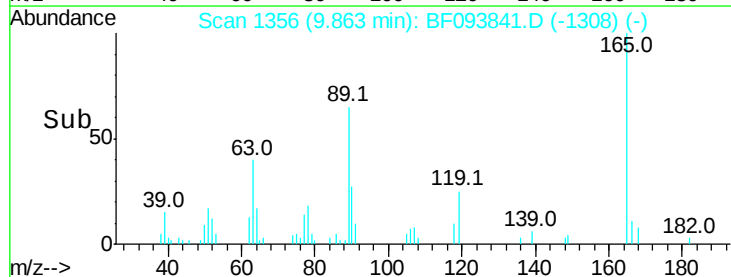
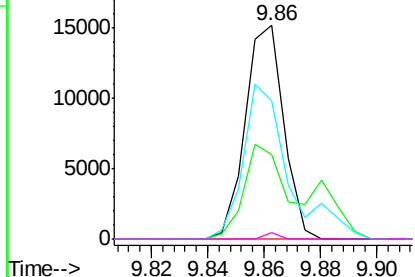


#56
2,4-Dinitrotoluene
Concen: 1.85 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion:165 Resp: 14278
Ion Ratio Lower Upper
165 100
63 39.8 25.4 38.0#
89 64.9 46.4 69.6
182 3.2 1.8 2.6#



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

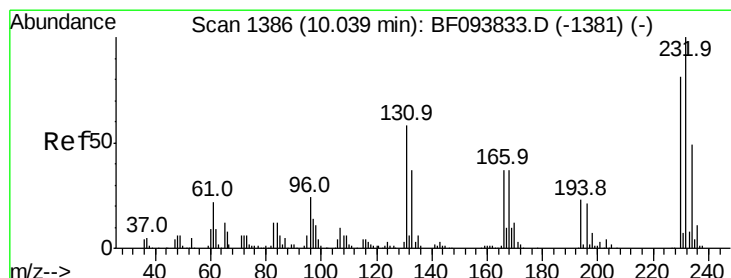
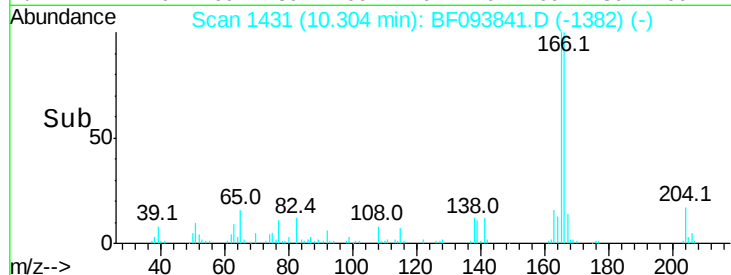
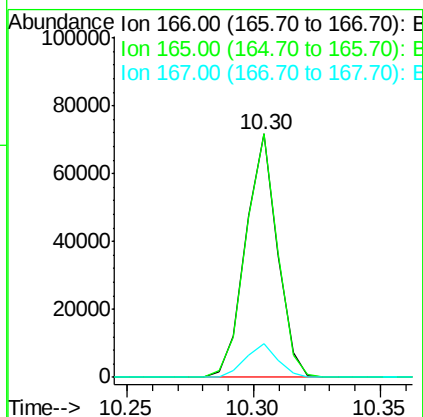
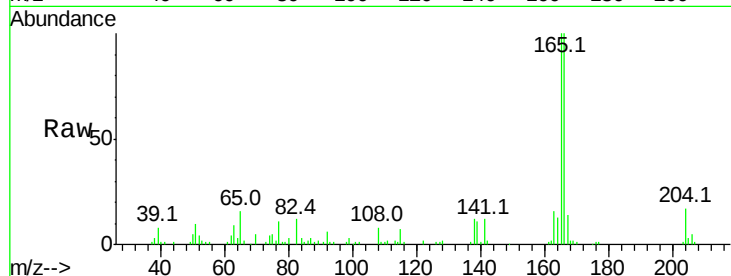




#57
Fluorene
 Concen: 2.41 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

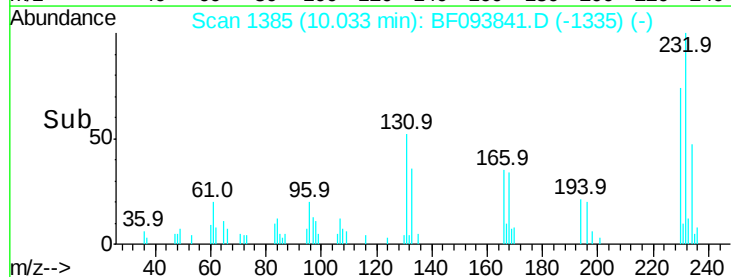
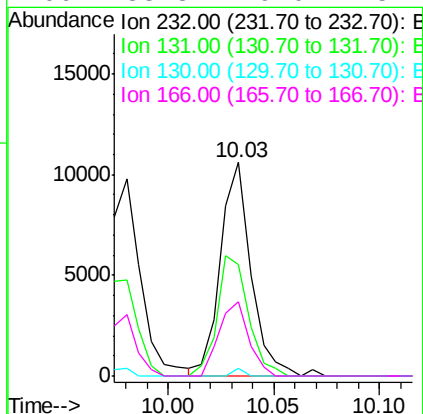
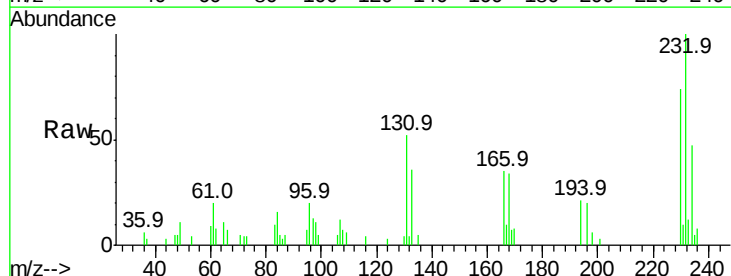
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:166 Resp: 62644
 Ion Ratio Lower Upper
 166 100
 165 100.1 78.8 118.2
 167 13.9 10.6 16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 1.98 ng
 RT: 10.03 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:232 Resp: 10729
 Ion Ratio Lower Upper
 232 100
 131 57.2 44.8 67.2
 130 1.3 2.3 3.5#
 166 33.3 29.0 43.4

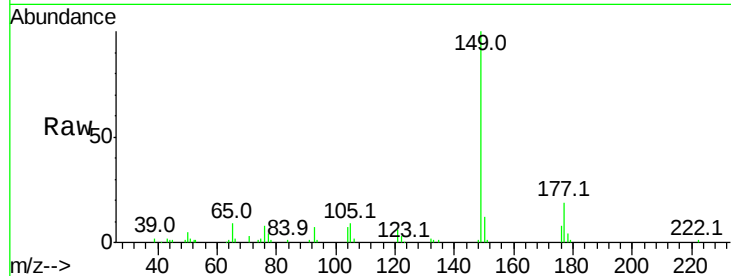




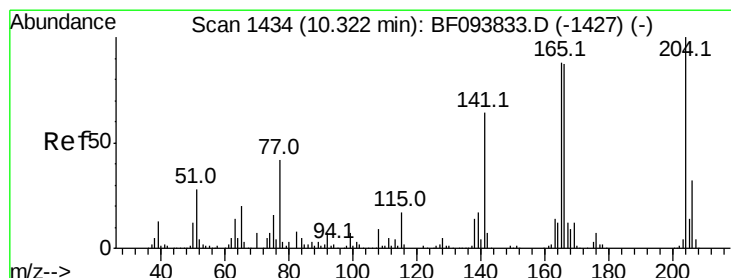
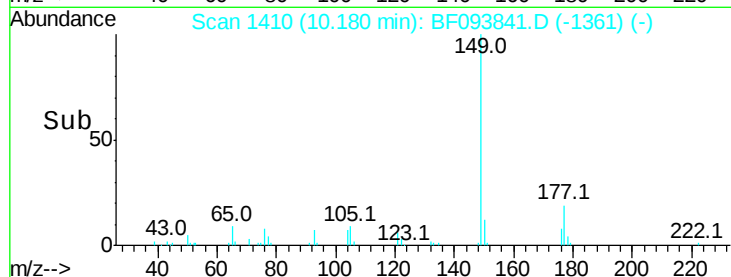
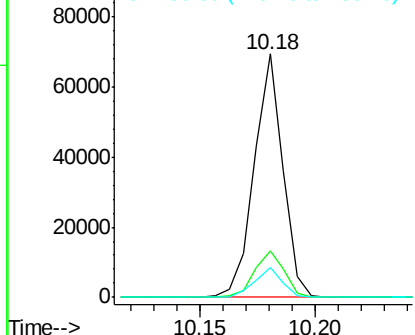
#59
Diethylphthalate
Concen: 2.27 ng
RT: 10.18 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

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

Tot Ion:149 Resp: 60158
Ion Ratio Lower Upper
149 100
177 19.3 16.7 25.1
150 12.1 10.2 15.2

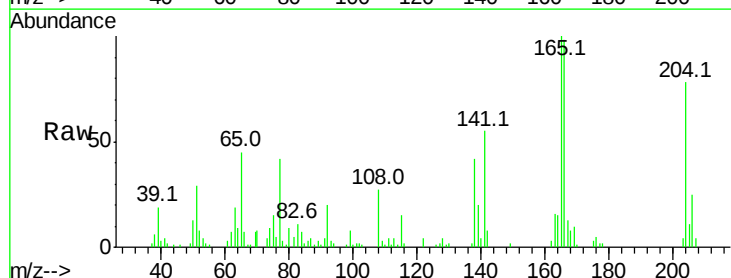


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

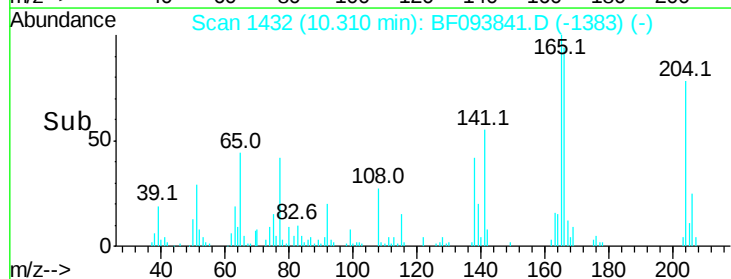
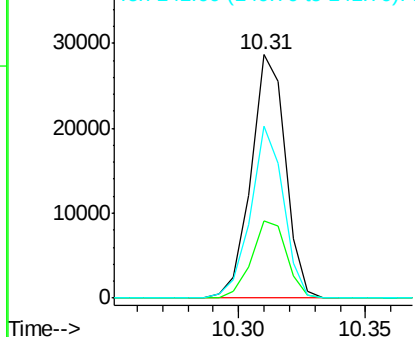


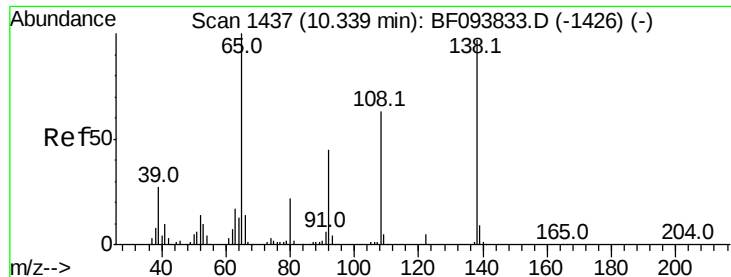
#60
4-Chlorophenyl-phenylether
Concen: 2.45 ng
RT: 10.31 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion:204 Resp: 27150
Ion Ratio Lower Upper
204 100
206 31.8 26.2 39.2
141 70.8 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: 1.89 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.03 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

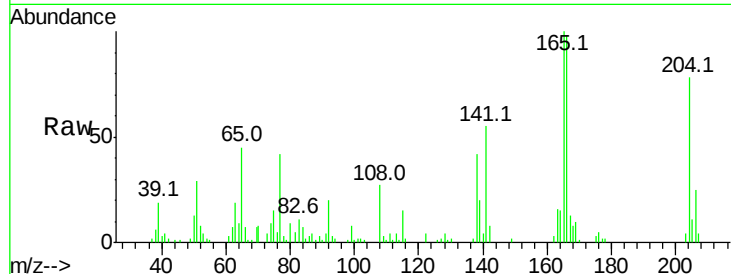
Tot Ion:138 Resp: 13096

Ion Ratio Lower Upper

138 100

92 49.3 21.8 61.8

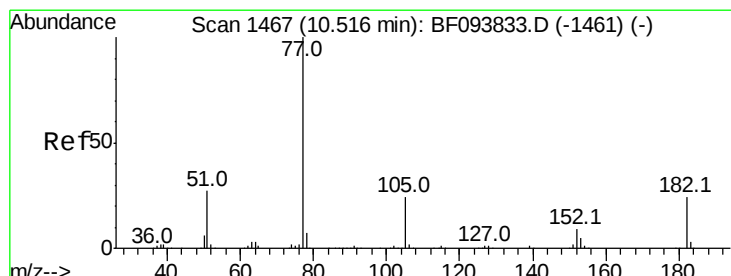
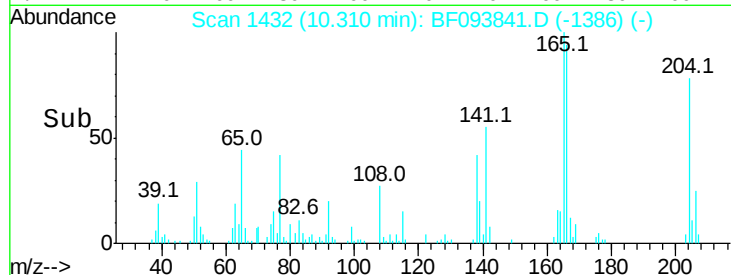
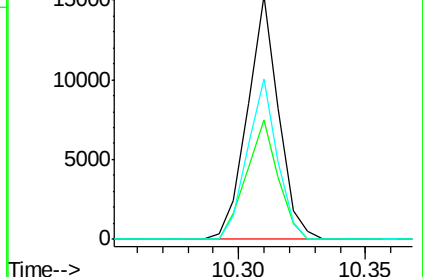
108 65.7 42.3 82.3



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: 2.18 ng

RT: 10.51 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Tgt Ion: 77 Resp: 54501

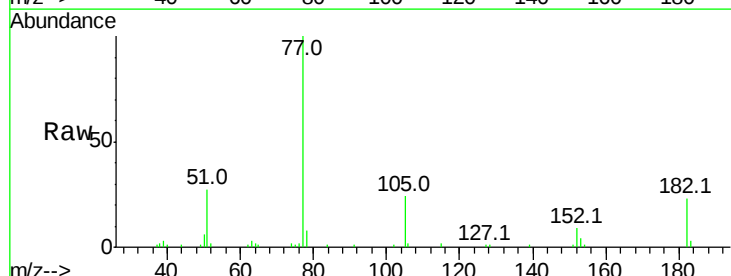
Ion Ratio Lower Upper

77 100

182 23.0 0.1 40.1

105 24.5 3.6 43.6

51 27.5 9.4 49.4

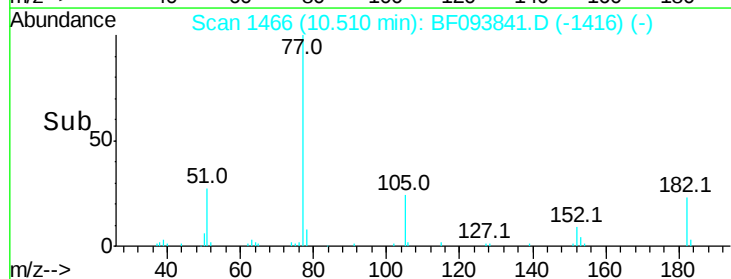
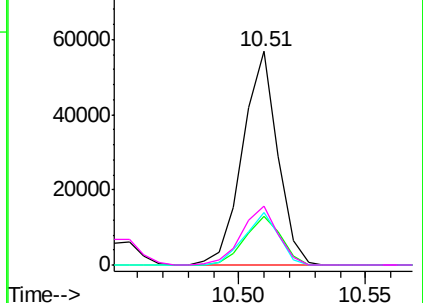


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

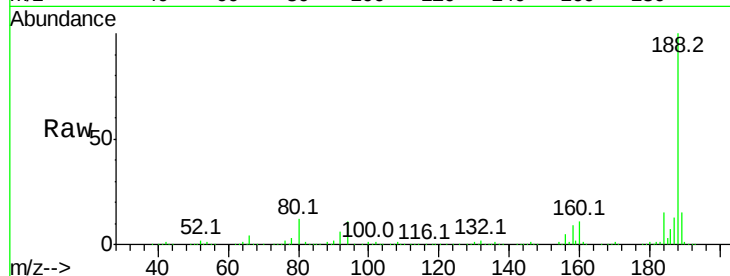
Tot Ion:188 Resp: 666828

Ion Ratio Lower Upper

188 100

94 10.8 9.4 14.2

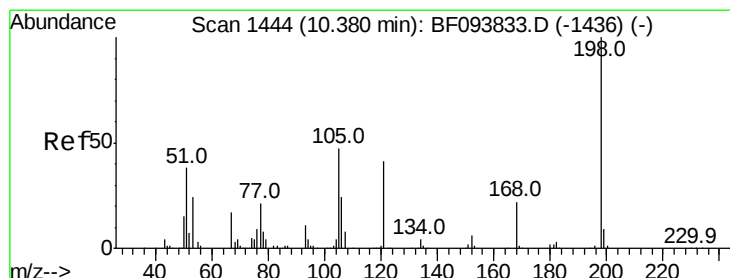
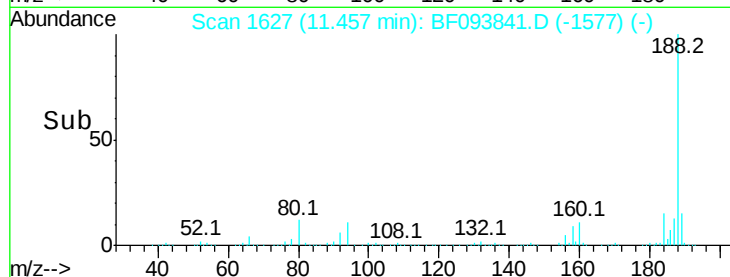
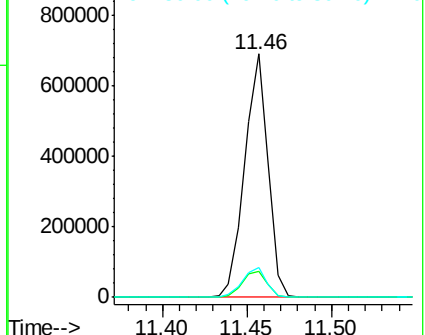
80 12.1 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 0.93 ng

RT: 10.36 min Scan# 1441

Delta R.T. -0.02 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

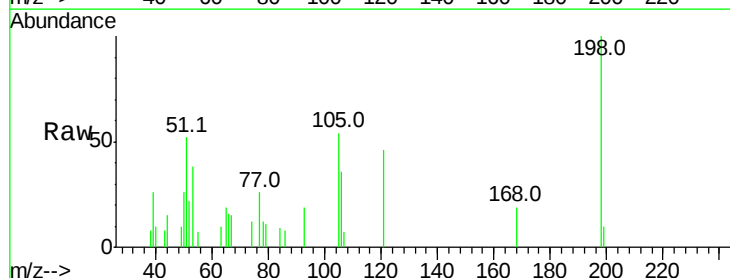
Tgt Ion:198 Resp: 3803

Ion Ratio Lower Upper

198 100

51 51.9 53.2 93.2#

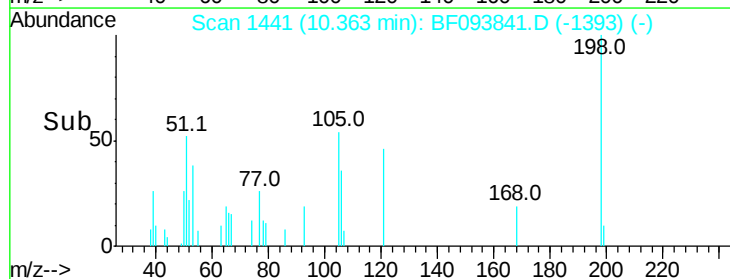
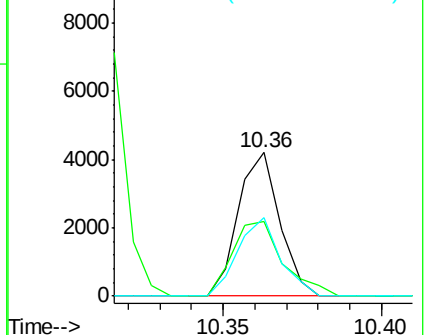
105 54.4 45.8 85.8

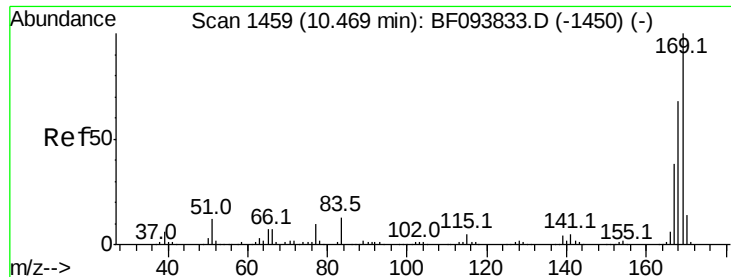


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

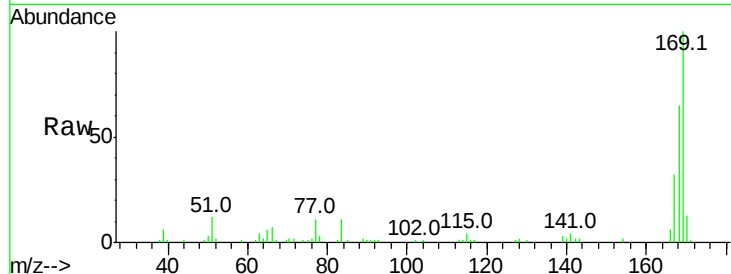




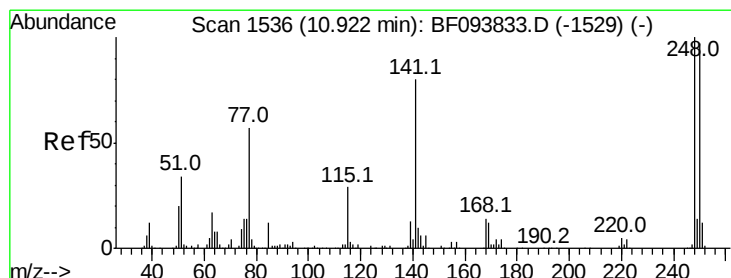
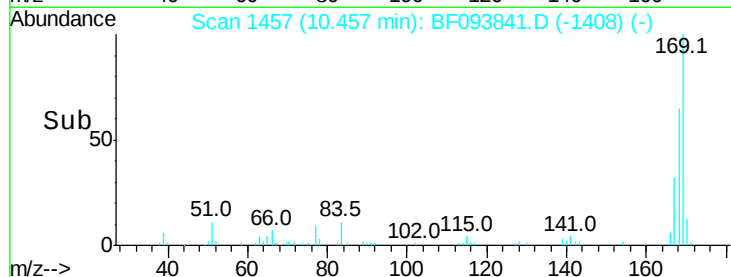
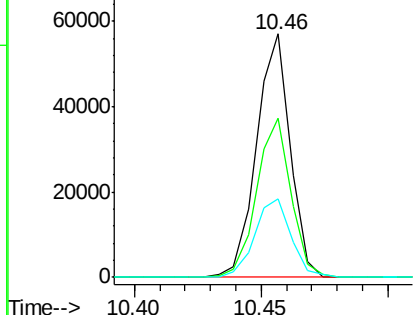
#65
n-Nitrosodiphenylamine
Concen: 2.29 ng
RT: 10.46 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

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

Tot Ion:169 Resp: 52768
Ion Ratio Lower Upper
169 100
168 65.3 53.2 79.8
167 32.5 29.5 44.3

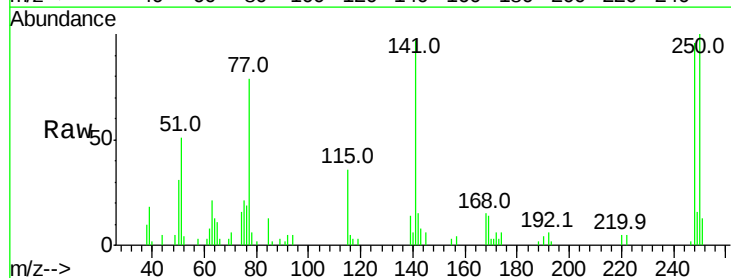


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

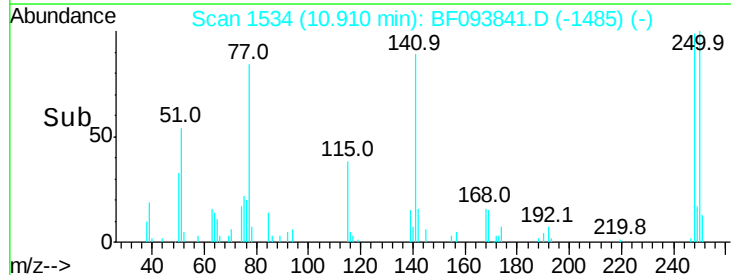
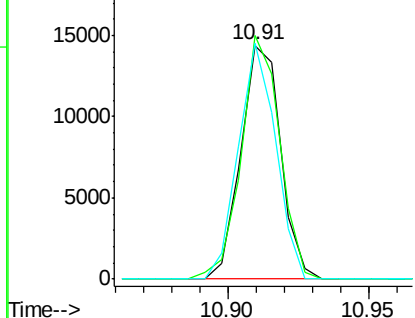


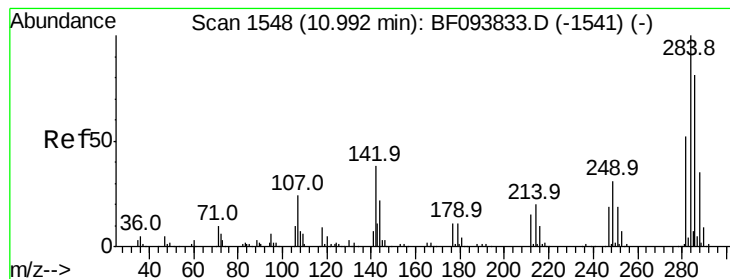
#66
4-Bromophenyl-phenylether
Concen: 2.15 ng
RT: 10.91 min Scan# 1534
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion:248 Resp: 14071
Ion Ratio Lower Upper
248 100
250 104.3 76.8 115.2
141 101.1 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: 2.23 ng

RT: 10.98 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

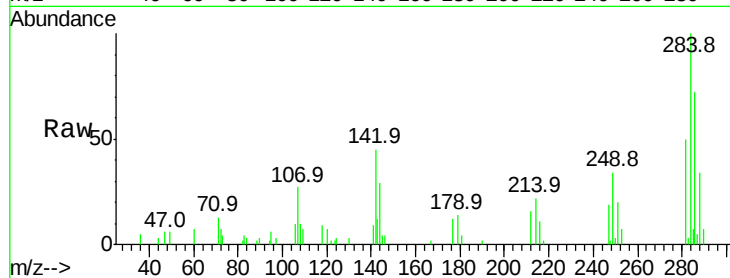
Tot Ion:284 Resp: 14775

Ion Ratio Lower Upper

284 100

142 44.9 22.8 34.2#

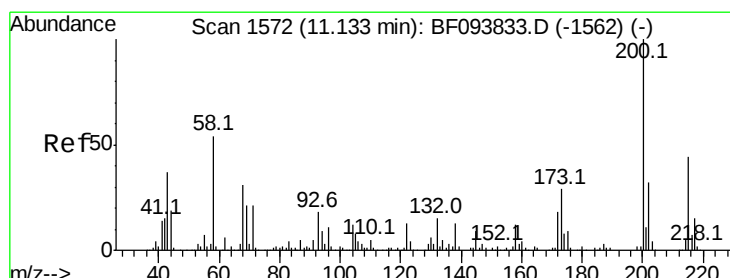
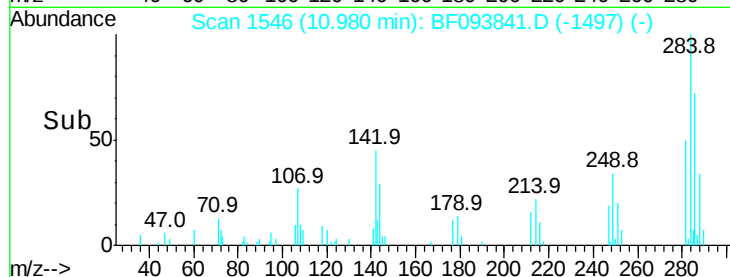
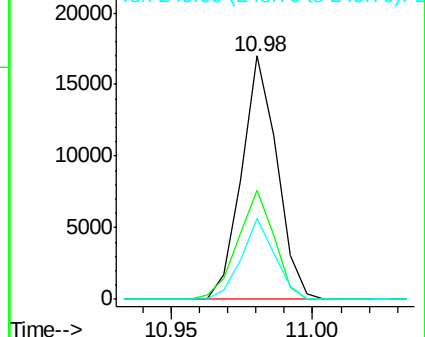
249 33.5 24.0 36.0



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: 2.12 ng

RT: 11.12 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

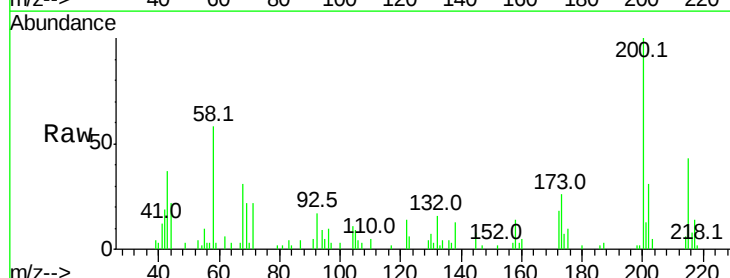
Tgt Ion:200 Resp: 14611

Ion Ratio Lower Upper

200 100

173 26.3 6.3 46.3

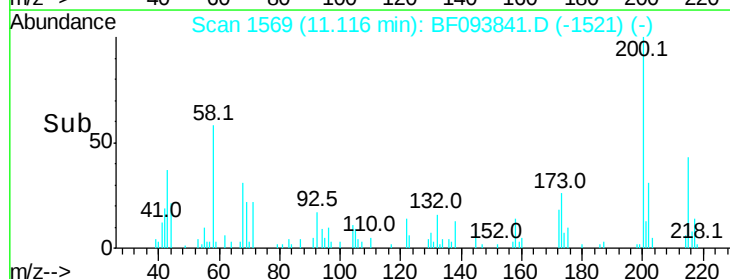
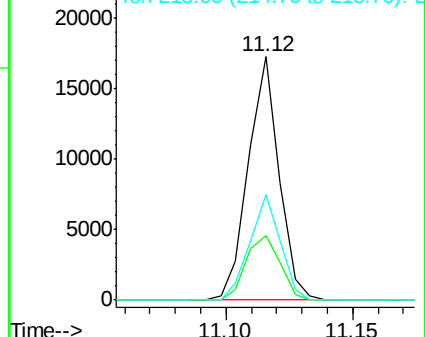
215 43.1 27.2 67.2

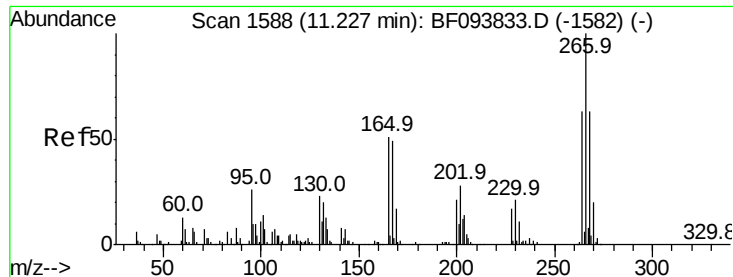


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 1.34 ng

RT: 11.22 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

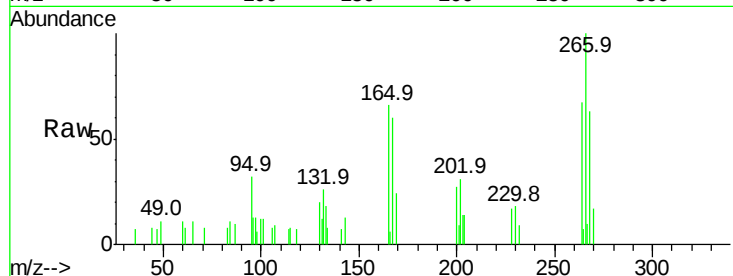
Tot Ion:266 Resp: 5546

Ion Ratio Lower Upper

266 100

268 63.3 51.1 76.7

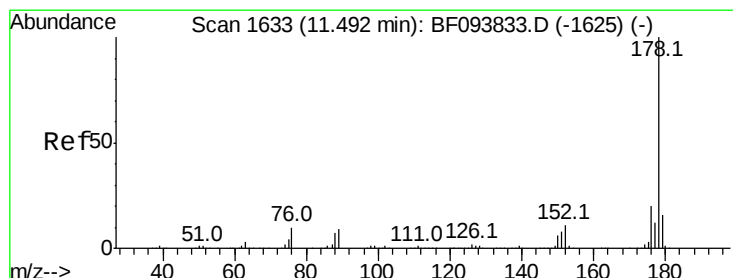
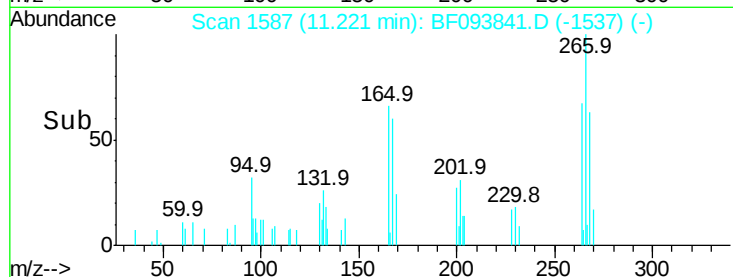
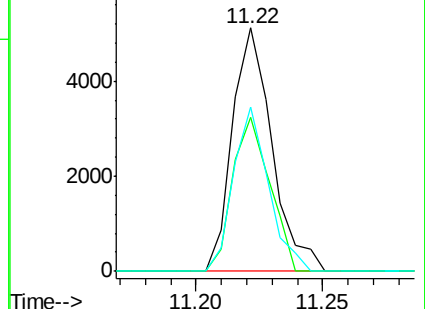
264 67.5 51.7 77.5



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: 2.39 ng

RT: 11.48 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

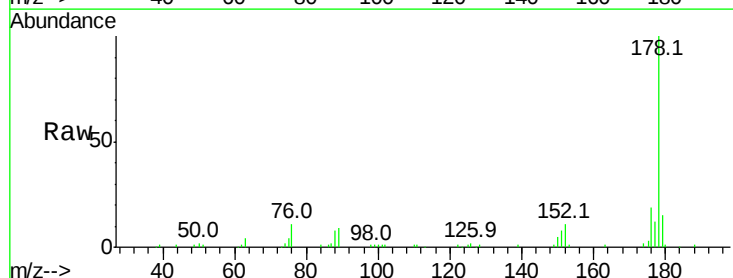
Tgt Ion:178 Resp: 88836

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.4

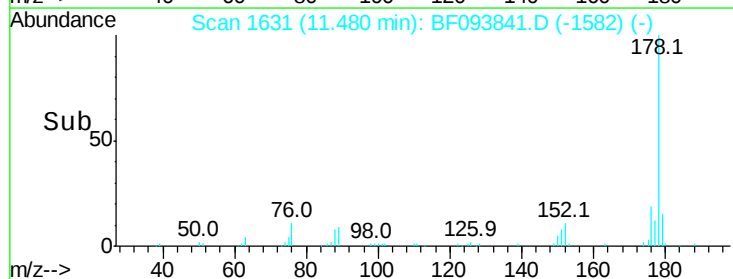
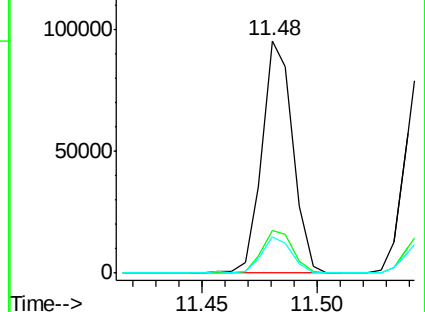
179 15.3 12.6 19.0



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

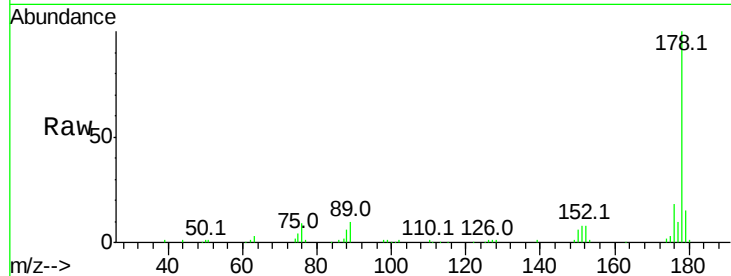




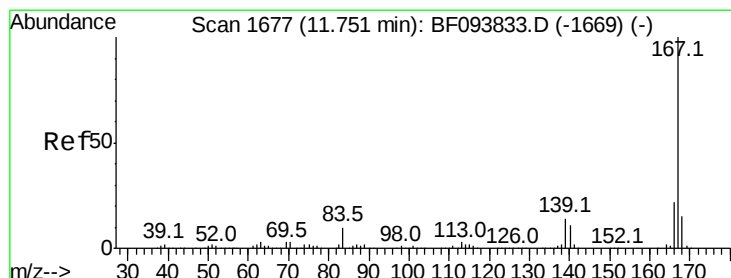
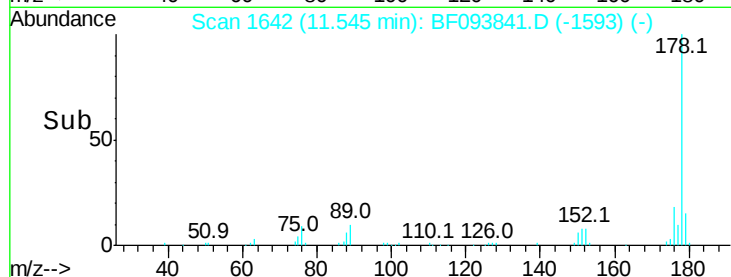
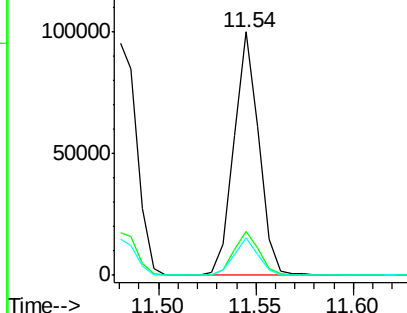
#71
 Anthracene
 Concen: 2.32 ng
 RT: 11.54 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion:178 Resp: 88753
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.8 23.8
 179 15.4 12.7 19.1

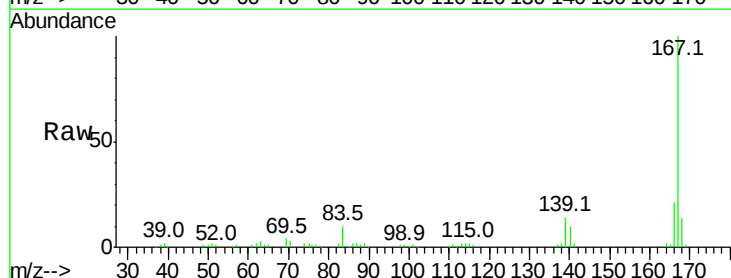


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

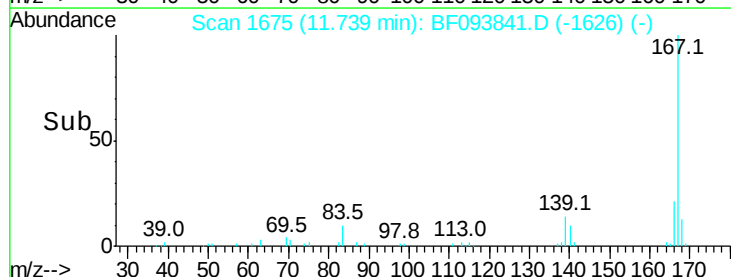
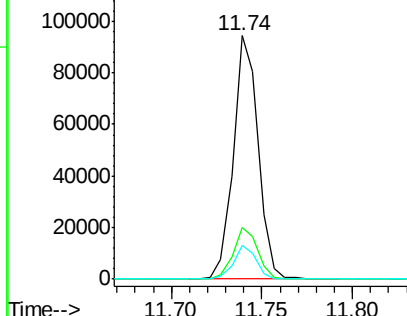


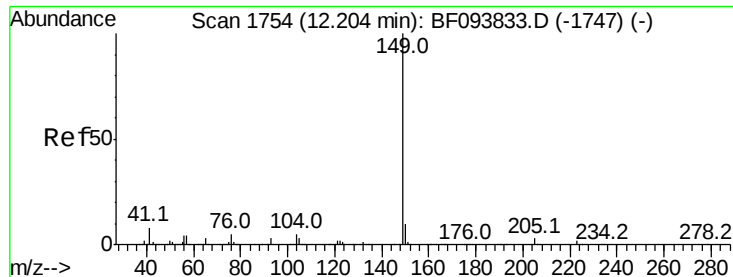
#72
 Carbazole
 Concen: 2.29 ng
 RT: 11.74 min Scan# 1675
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:167 Resp: 89694
 Ion Ratio Lower Upper
 167 100
 166 21.4 18.1 27.1
 139 14.0 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

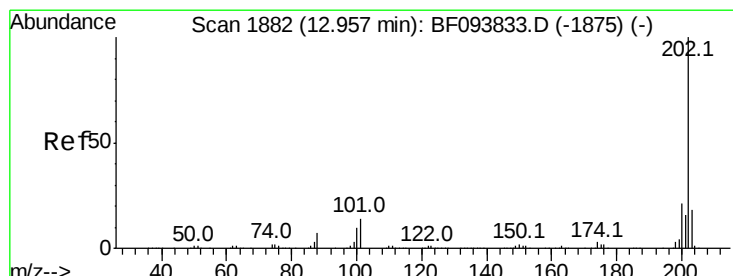
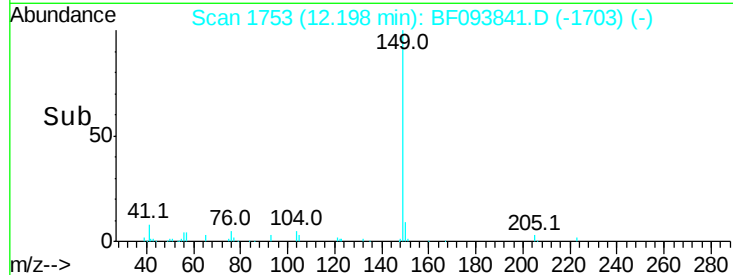
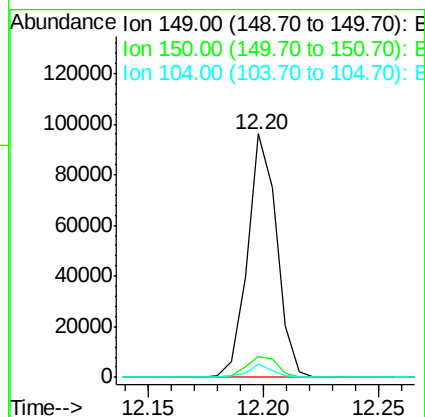
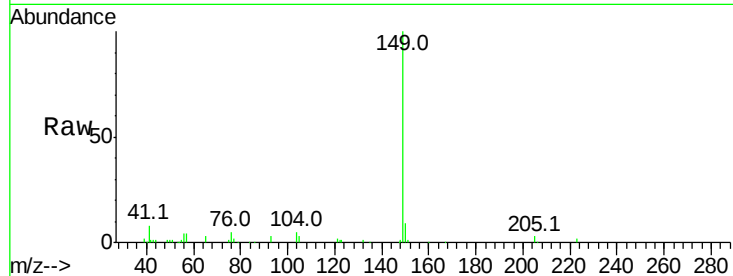




#73
Di-n-butylphthalate
Concen: 2.08 ng
RT: 12.20 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

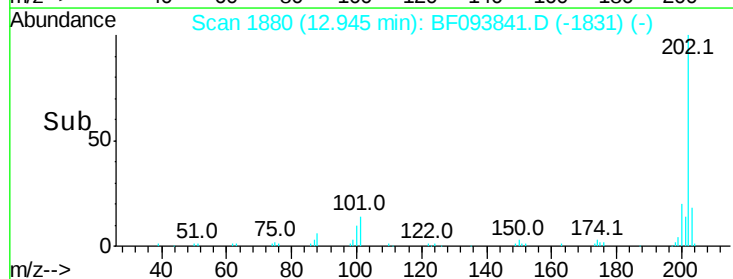
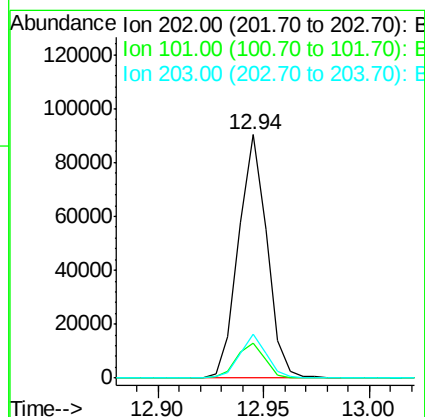
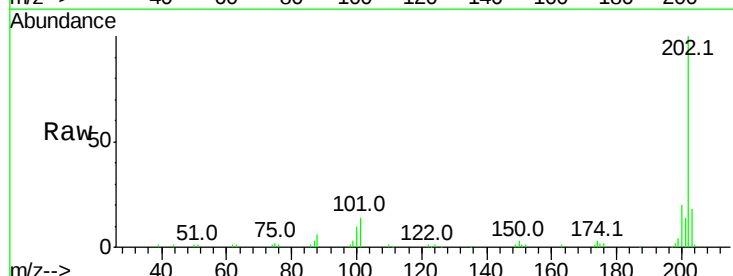
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

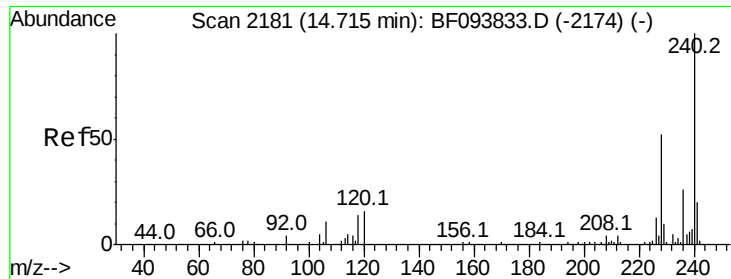
Tot Ion:149 Resp: 84868
Ion Ratio Lower Upper
149 100
150 8.8 7.7 11.5
104 5.5 4.0 6.0



#74
Fluoranthene
Concen: 2.21 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion:202 Resp: 83941
Ion Ratio Lower Upper
202 100
101 14.1 0.0 33.2
203 17.8 0.0 38.1

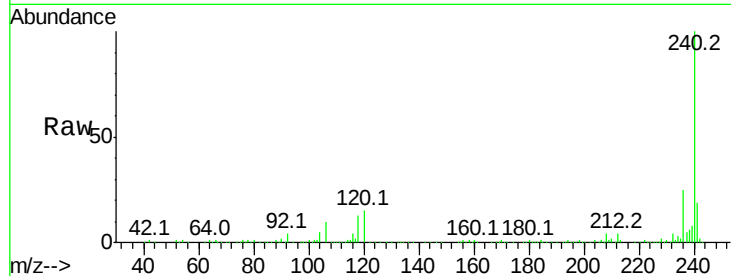




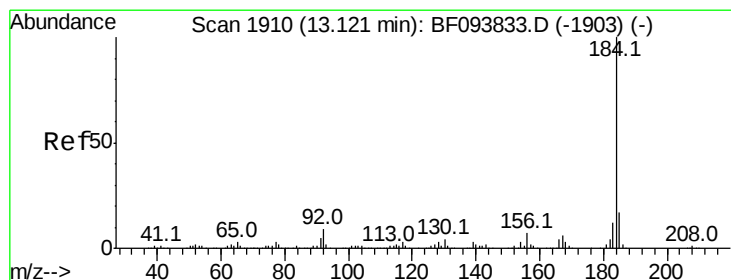
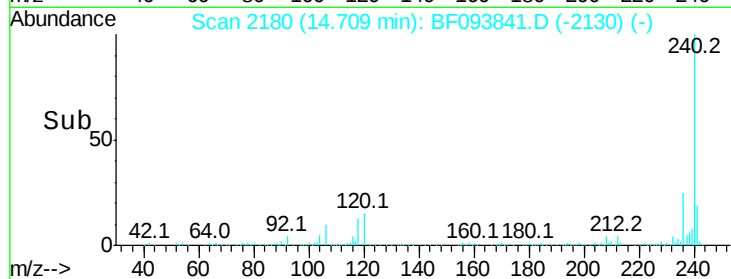
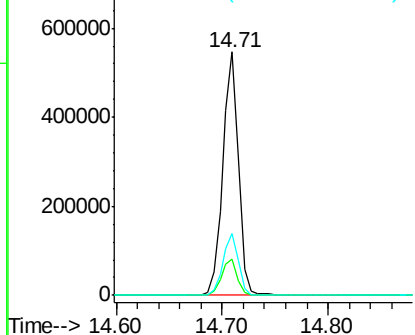
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.71 min Scan# 2180
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion:240 Resp: 566637
 Ion Ratio Lower Upper
 240 100
 120 15.1 5.8 8.8#
 236 25.3 20.5 30.7

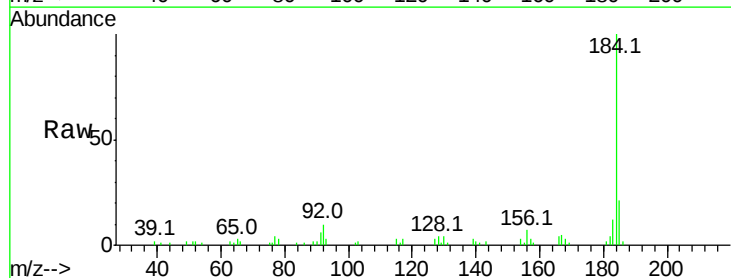


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

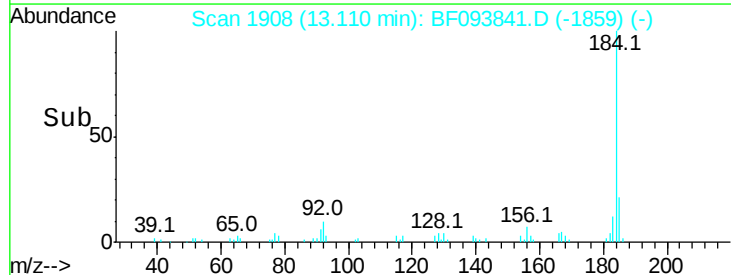
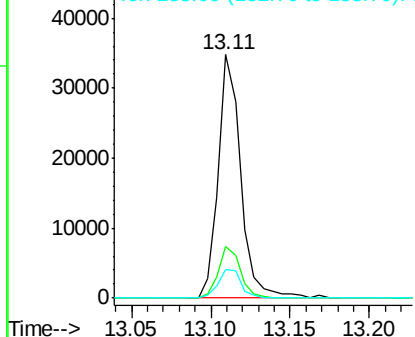


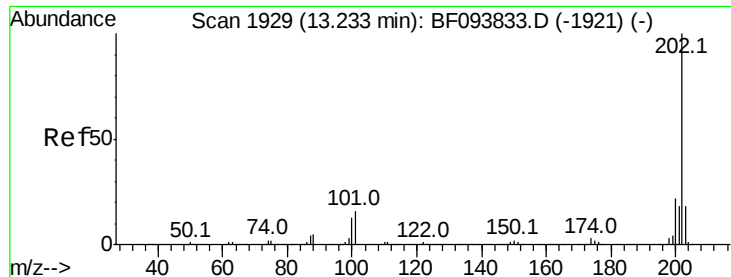
#76
 Benzidine
 Concen: 1.53 ng
 RT: 13.11 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:184 Resp: 34240
 Ion Ratio Lower Upper
 184 100
 185 21.2 15.5 23.3
 183 11.8 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

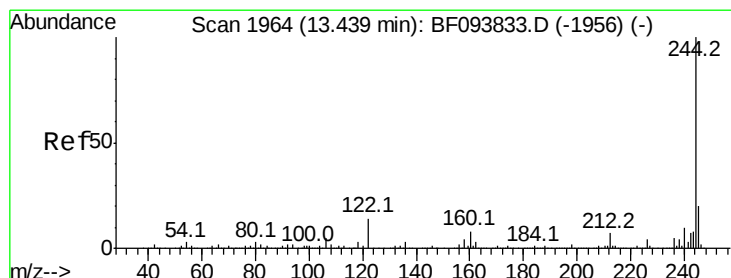
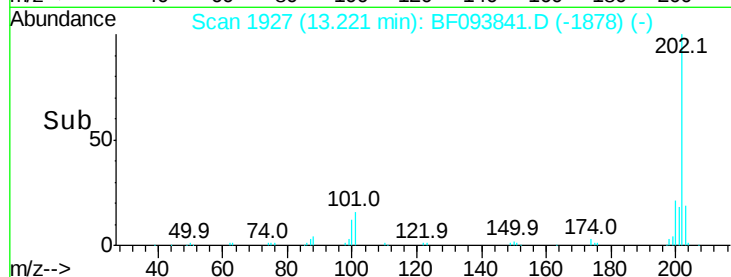
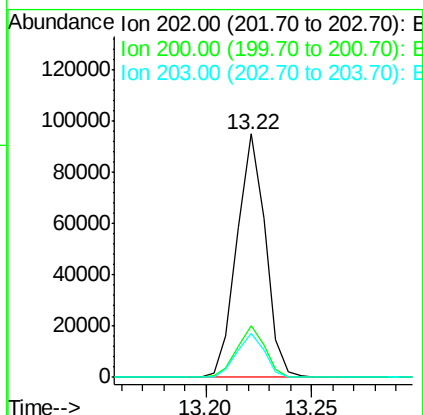
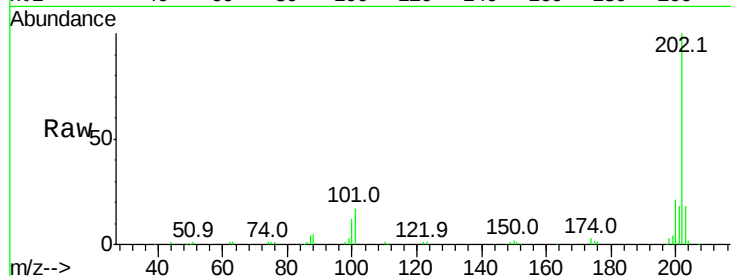




#77
 Pvrene
 Concen: 2.16 ng
 RT: 13.22 min Scan# 1927
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

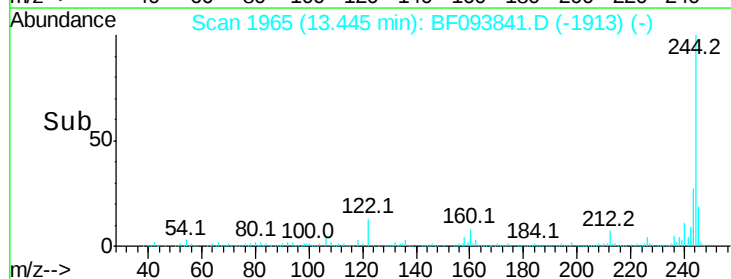
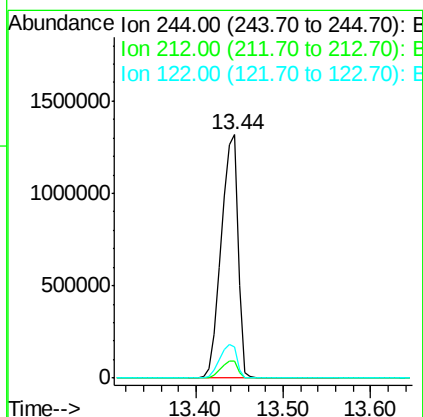
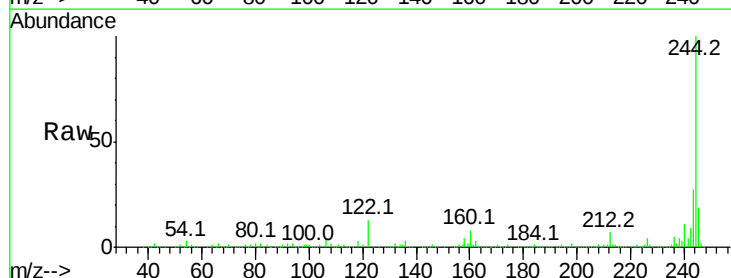
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

Tot Ion:202 Resp: 88788
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.6 26.4
 203 18.1 14.4 21.6



#78
 Terphenyl-d14
 Concen: 70.04 ng
 RT: 13.44 min Scan# 1965
 Delta R.T. 0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:244 Resp: 1770621
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 12.8 10.3 15.5

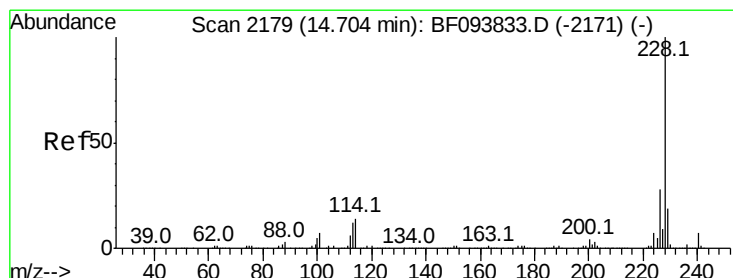
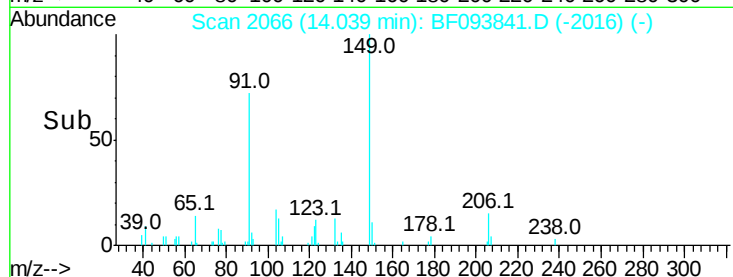
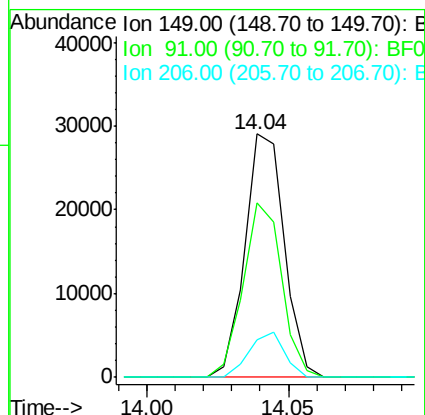
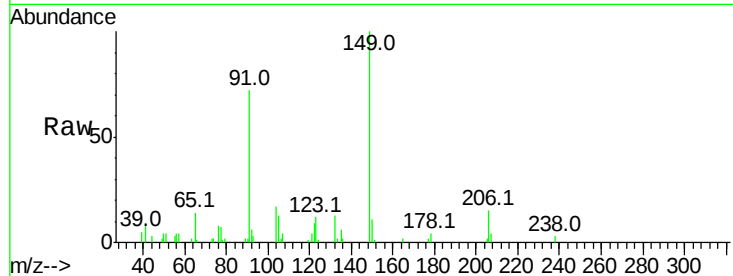




#79
Butylbenzylphthalate
Concen: 1.60 ng
RT: 14.04 min Scan# 2066
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

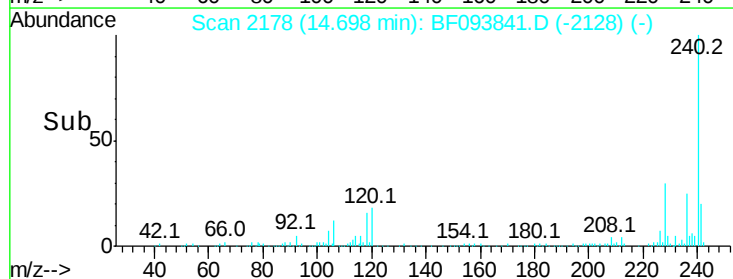
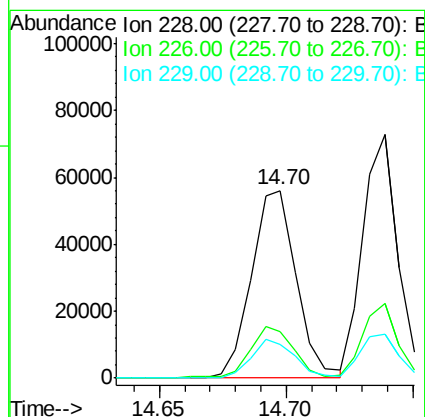
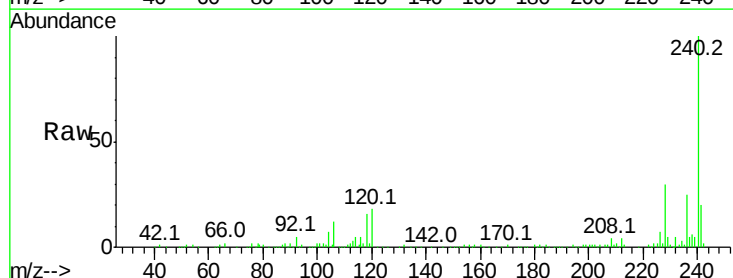
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

Tot Ion:149 Resp: 28052
Ion Ratio Lower Upper
149 100
91 71.5 45.0 67.4#
206 15.3 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 2.10 ng
RT: 14.70 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF093841.D
Acq: 22 Mar 2017 19:23

Tgt Ion:228 Resp: 69475
Ion Ratio Lower Upper
228 100
226 25.1 22.6 33.8
229 18.0 16.3 24.5

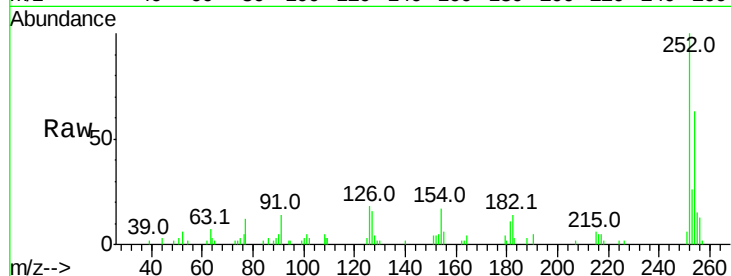




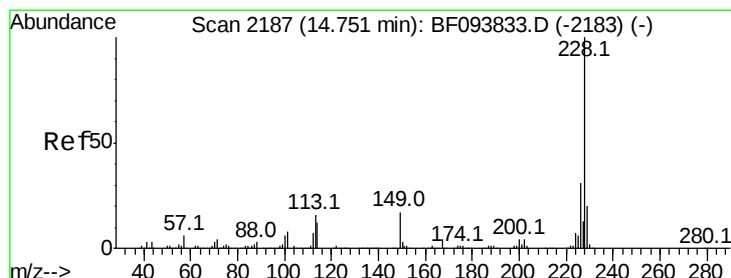
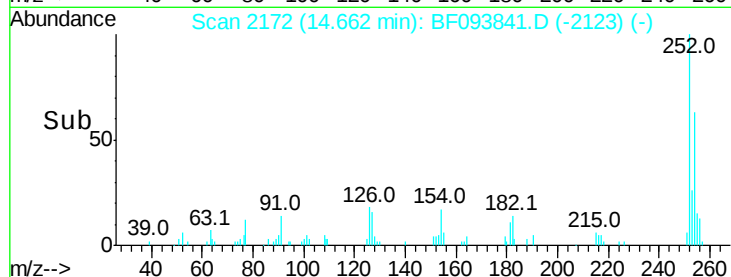
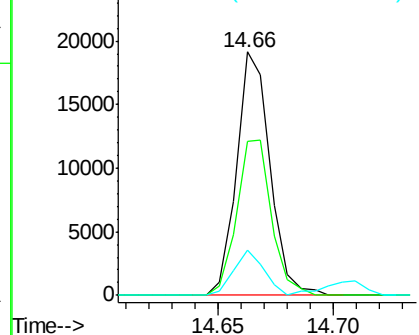
#81
 3,3'-Dichlorobenzidine
 Concen: 1.63 ng
 RT: 14.66 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	18.3	15.8	23.8

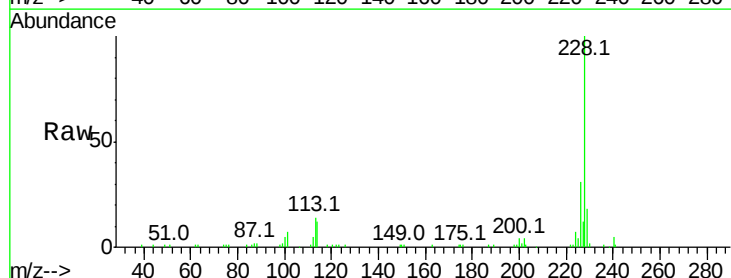


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

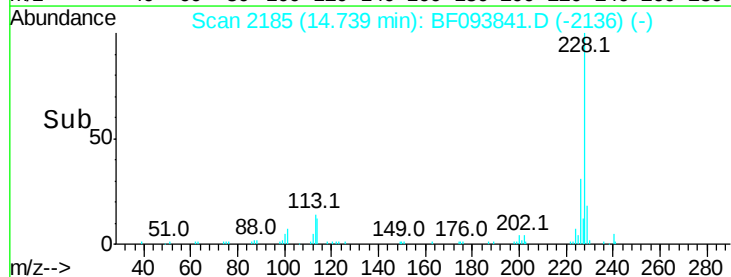
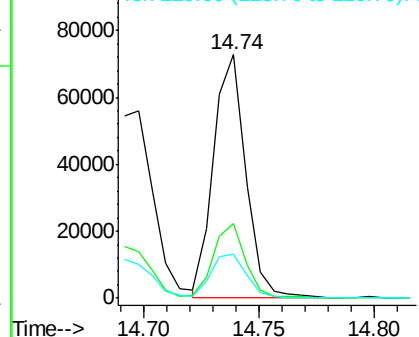


#82
 Chrysene
 Concen: 2.30 ng
 RT: 14.74 min Scan# 2185
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	18.2	15.8	23.6



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

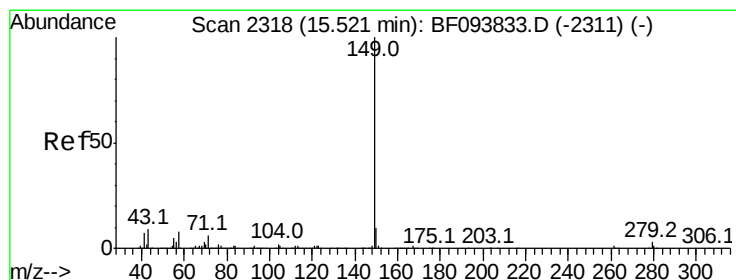
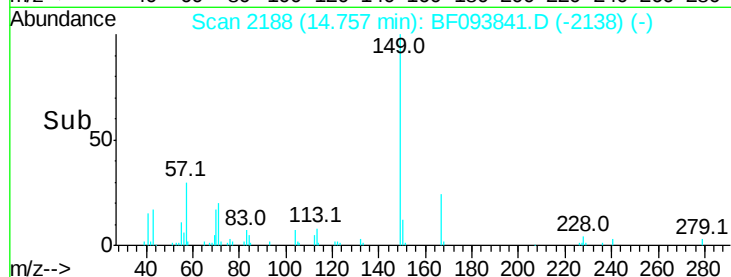
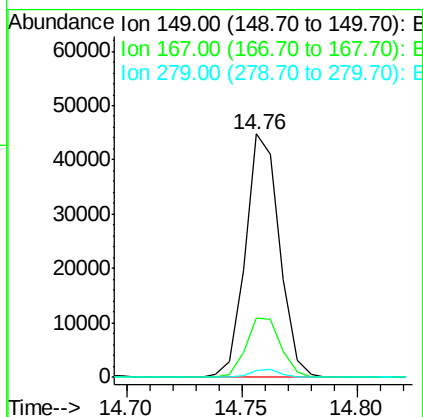
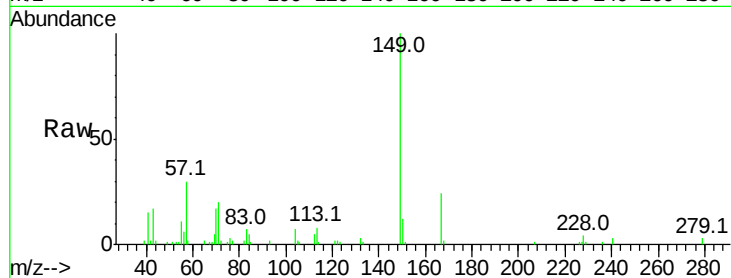




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.92 ng
 RT: 14.76 min Scan# 2188
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

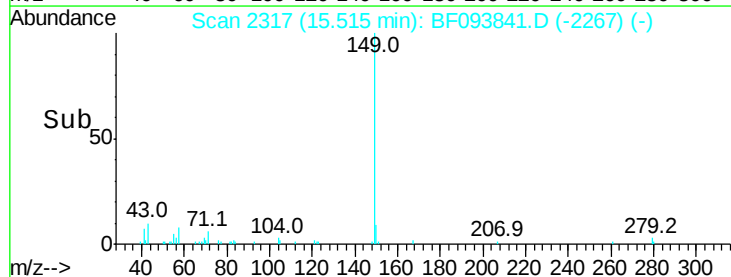
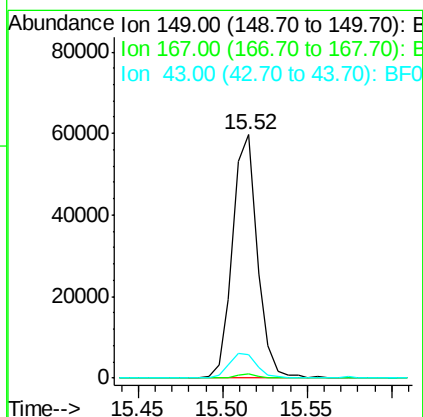
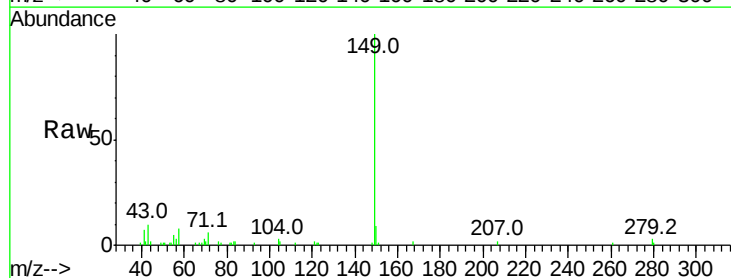
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

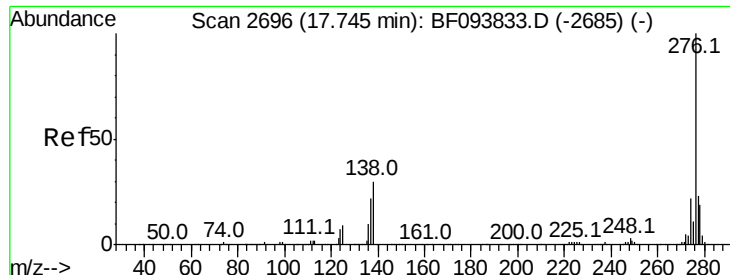
Tot Ion:149 Resp: 46000
 Ion Ratio Lower Upper
 149 100
 167 24.4 21.0 31.4
 279 2.5 1.9 2.9



#84
 Di-n-octyl phthalate
 Concen: 1.53 ng
 RT: 15.52 min Scan# 2317
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion:149 Resp: 60974
 Ion Ratio Lower Upper
 149 100
 167 1.3 1.2 1.8
 43 11.3 8.5 12.7

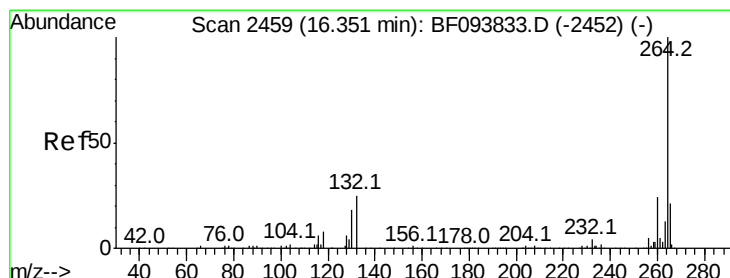
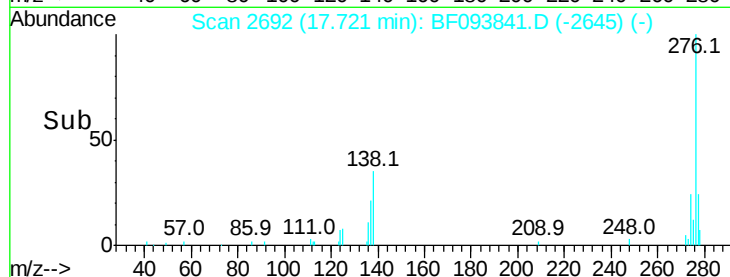
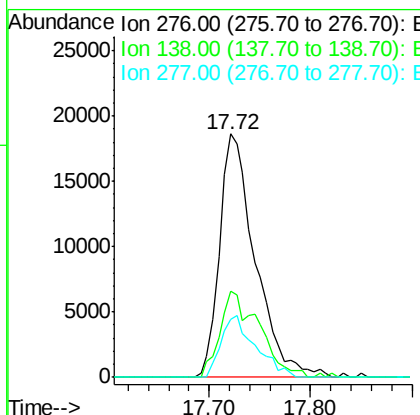
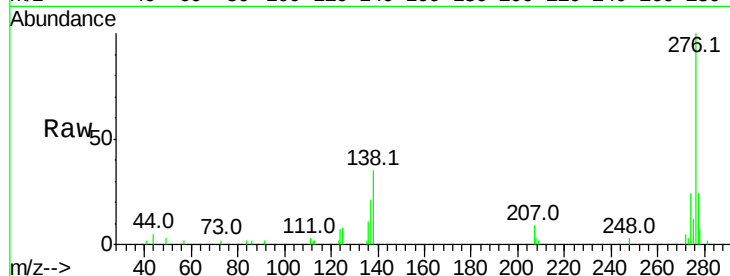




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 1.71 ng
 RT: 17.72 min Scan# 2692
 Delta R.T. -0.02 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

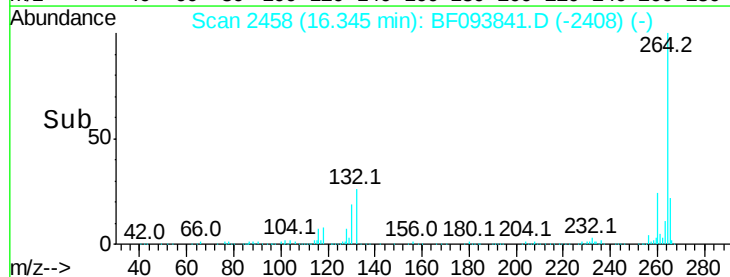
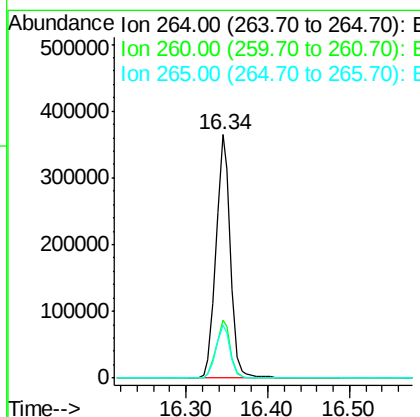
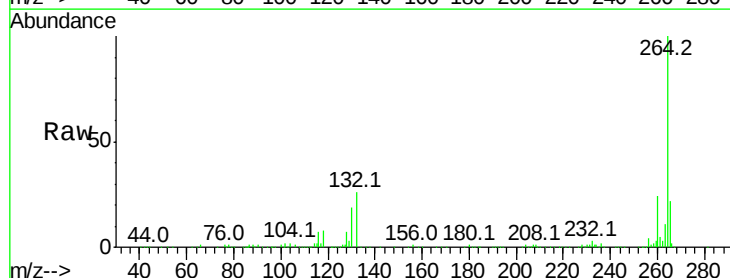
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

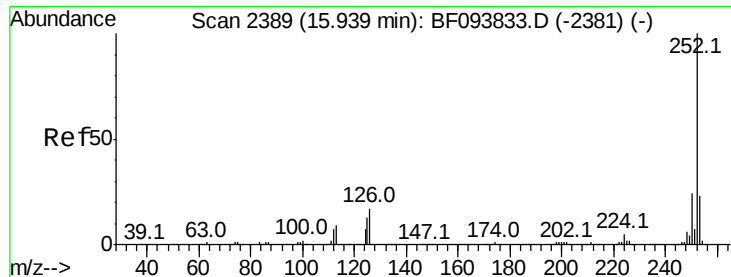
Tot Ion	Ratio	Lower	Upper
276	100		
138	38.7	27.8	41.6
277	24.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.34 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 2.04 ng

RT: 15.93 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

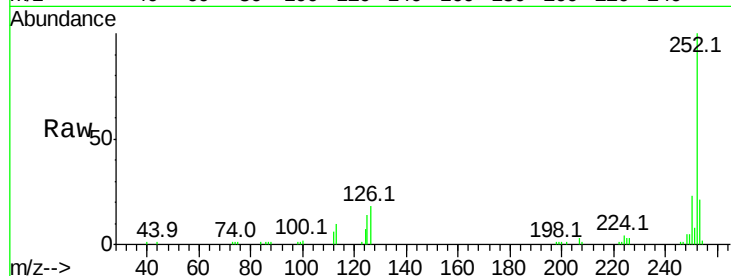
Tot Ion:252 Resp: 56124

Ion Ratio Lower Upper

252 100

253 21.1 18.1 27.1

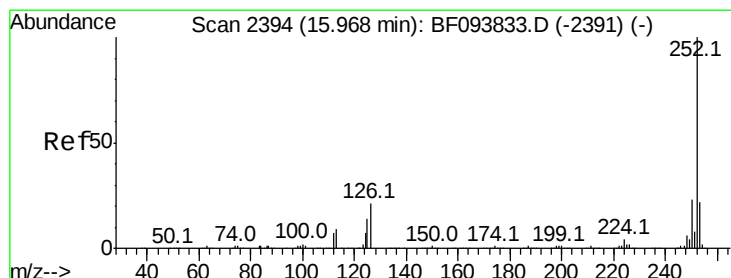
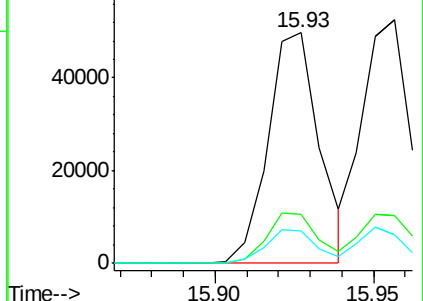
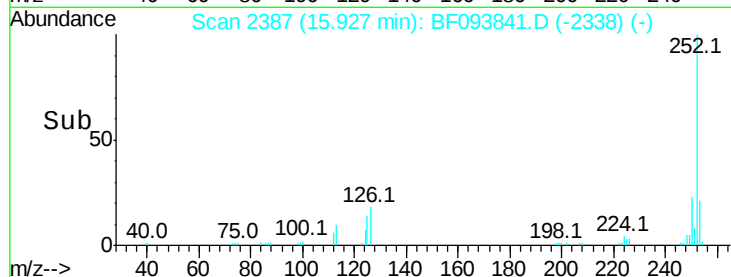
125 13.8 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.07 ng

RT: 15.93 min Scan# 2387

Delta R.T. -0.04 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

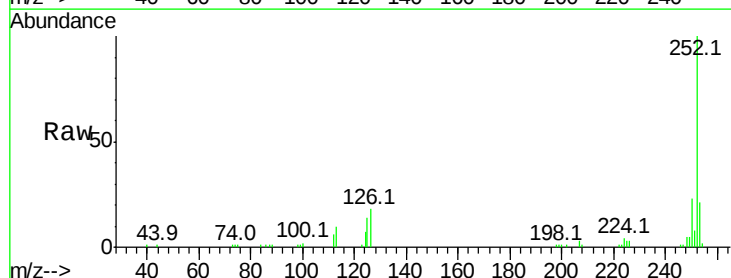
Tgt Ion:252 Resp: 56124

Ion Ratio Lower Upper

252 100

253 21.1 18.4 27.6

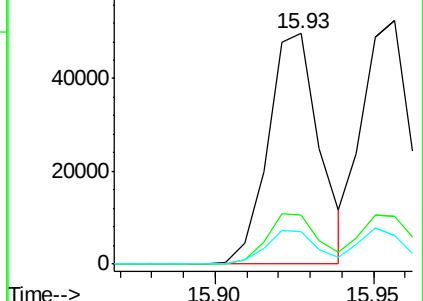
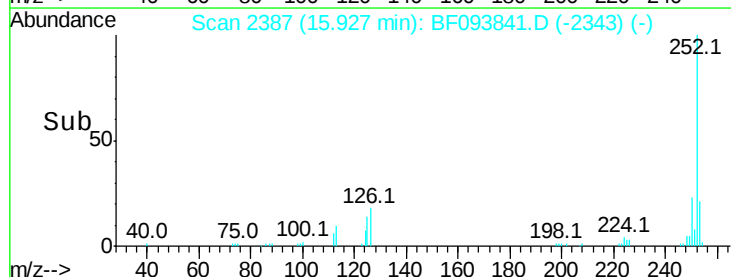
125 13.8 13.1 19.7

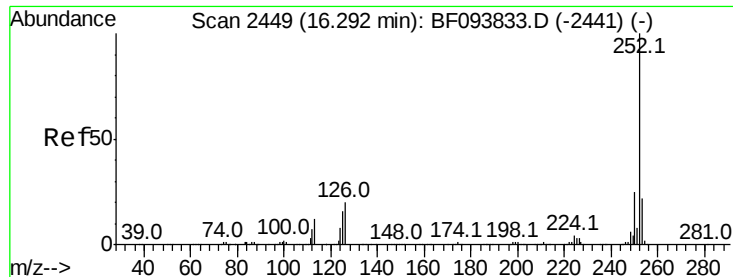


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 1.98 ng

RT: 16.28 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

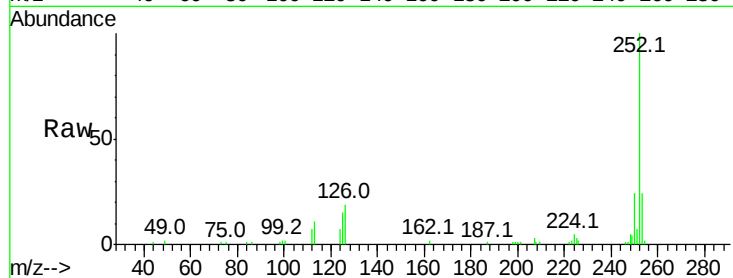
Tot Ion:252 Resp: 50108

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

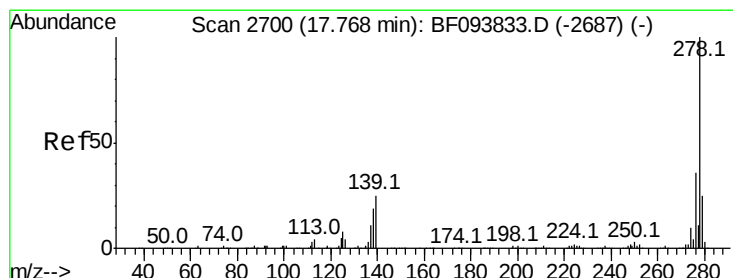
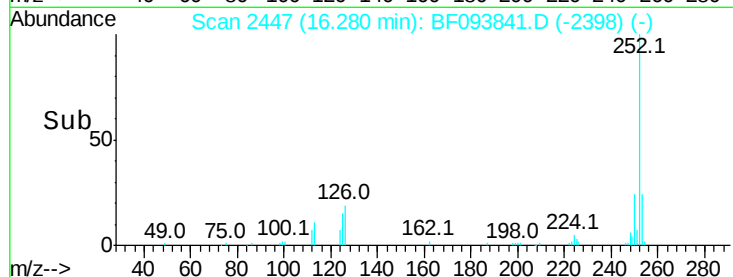
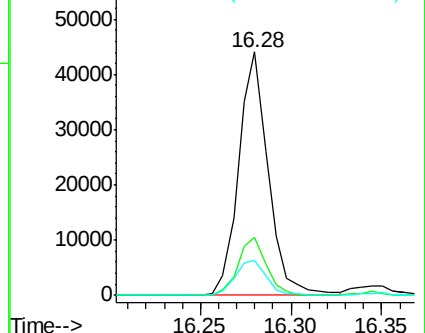
125 14.6 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 1.77 ng

RT: 17.75 min Scan# 2697

Delta R.T. -0.02 min

Lab File: BF093841.D

Acq: 22 Mar 2017 19:23

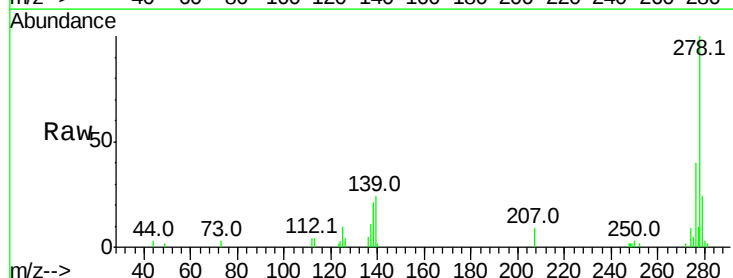
Tgt Ion:278 Resp: 37995

Ion Ratio Lower Upper

278 100

139 24.2 16.6 24.8

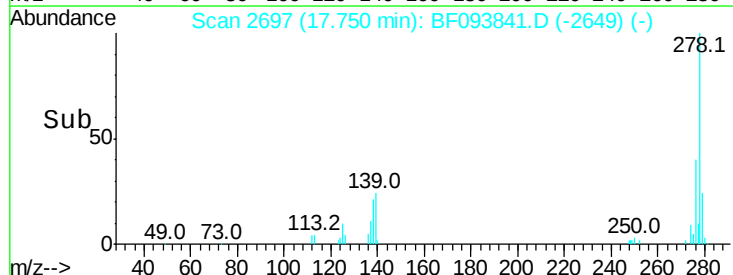
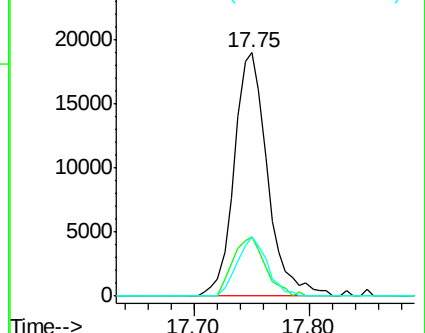
279 24.3 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

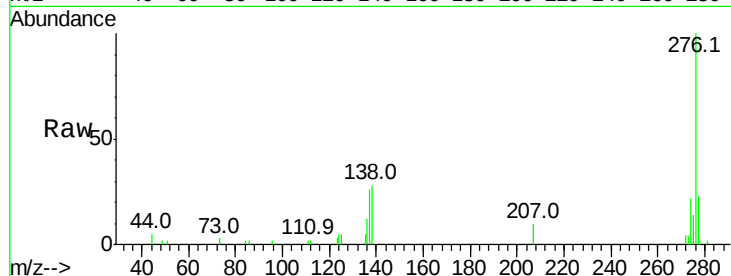




#91
 Benzo(a,h,i)perylene
 Concen: 1.80 ng
 RT: 18.13 min Scan# 2761
 Delta R.T. -0.04 min
 Lab File: BF093841.D
 Acq: 22 Mar 2017 19:23

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	27.9	25.4	38.0



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

