

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093843.D
 Acq On : 22 Mar 2017 20:18
 Operator : SJ/MA
 Sample : I2296-01
 Misc : LOD 8 PPB
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 23 01:19:52 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	180409	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	743984	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	334832	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	587926	20.00	ng	0.00
75) Chrysene-d12	14.71	240	499136	20.00	ng	0.00
86) Perylene-d12	16.34	264	405731	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	1391082	130.23	ng	0.00
7) Phenol-d6	5.57	99	1705698	129.08	ng	0.00
23) Nitrobenzene-d5	6.63	82	1191148	91.37	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	364889	137.91	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	2063063	93.98	ng	0.00
78) Terphenyl-d14	13.44	244	1725437	77.48	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.37	88	45930	8.95	ng	96
3) Pyridine	2.88	79	113391	8.11	ng	98
4) n-Nitrosodimethylamine	2.80	42	49206	8.55	ng	90
6) Aniline	5.60	93	167413	9.11	ng	97
8) 2-Chlorophenol	5.74	128	108334	9.23	ng	96
9) Benzaldehyde	5.48	77	86233	9.66	ng	98
10) Phenol	5.58	94	133097	8.85	ng	89
11) bis(2-Chloroethyl)ether	5.69	93	110853	9.43	ng	99
12) 1,3-Dichlorobenzene	5.92	146	125525	9.53	ng	98
13) 1,4-Dichlorobenzene	6.00	146	129114	9.68	ng	96
14) 1,2-Dichlorobenzene	6.18	146	121194	9.87	ng	96
15) Benzyl Alcohol	6.14	79	102621	10.61	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.30	45	167833	9.27	ng	99
17) 2-Methylphenol	6.27	107	90895	9.04	ng	97
18) Hexachloroethane	6.58	117	44655	9.52	ng	# 84
19) n-Nitroso-di-n-propylamine	6.46	70	81368	9.58	ng	97
20) 3+4-Methylphenols	6.45	107	119353	9.80	ng	# 88
22) Acetophenone	6.45	105	159975	9.65	ng	94
24) Nitrobenzene	6.65	77	121525	9.45	ng	95
25) Isophorone	6.93	82	209730	9.16	ng	99
26) 2-Nitrophenol	7.03	139	51163	8.34	ng	96
27) 2,4-Dimethylphenol	7.08	122	94619	8.96	ng	97
28) bis(2-Chloroethoxy)methane	7.20	93	141613	9.37	ng	96
29) 2,4-Dichlorophenol	7.32	162	89444	9.05	ng	99
30) 1,2,4-Trichlorobenzene	7.42	180	95234	9.36	ng	97
31) Naphthalene	7.52	128	342875	9.58	ng	98
32) Benzoic acid	7.16	122	29025	4.13	ng	96
33) 4-Chloroaniline	7.57	127	131771	9.09	ng	95
34) Hexachlorobutadiene	7.67	225	48738	9.34	ng	97
35) Caprolactam	7.97	113	27194	8.63	ng	98
36) 4-Chloro-3-methylphenol	8.17	107	94644	9.17	ng	90
37) 2-Methylnaphthalene	8.36	142	231825	9.72	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.56	216	89989	9.82	ng	98
40) Hexachlorocyclopentadiene	8.56	237	37747	8.81	ng	99

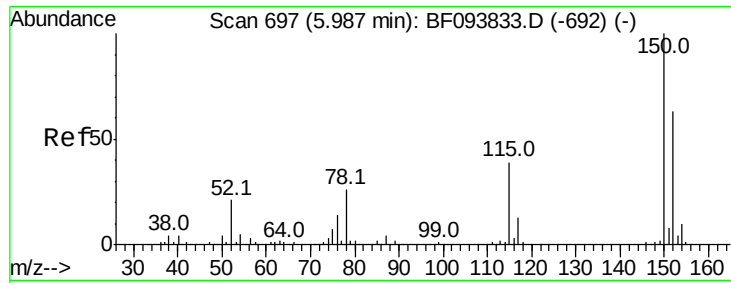
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093843.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.70	196	57862	8.93	nq	98
43) 2,4,5-Trichlorophenol	8.74	196	65580	9.35	nq	95
45) 1,1'-Biphenyl	8.93	154	273468	10.13	nq	97
46) 2-Chloronaphthalene	8.95	162	204222	9.66	nq	95
47) 2-Nitroaniline	9.07	65	56024	8.93	nq	# 86
48) Acenaphthylene	9.46	152	342726	9.75	nq	98
49) Dimethylphthalate	9.31	163	226845	9.53	nq	99
50) 2,6-Dinitrotoluene	9.37	165	48386	8.87	nq	95
51) Acenaphthene	9.67	154	200353	9.77	nq	98
52) 3-Nitroaniline	9.57	138	55825	8.71	nq	95
53) 2,4-Dinitrophenol	9.70	184	12822	8.80	nq	# 81
54) Dibenzofuran	9.89	168	277256	9.93	nq	98
55) 4-Nitrophenol	9.77	139	41701	8.31	nq	# 74
56) 2,4-Dinitrotoluene	9.86	165	64776	9.45	nq	# 87
57) Fluorene	10.30	166	233689	10.10	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.03	232	42562	8.85	nq	98
59) Diethylphthalate	10.18	149	223005	9.48	nq	99
60) 4-Chlorophenyl-phenylether	10.32	204	101640	10.31	nq	89
61) 4-Nitroaniline	10.32	138	52529	8.54	nq	95
62) Azobenzene	10.51	77	212541	9.55	nq	96
64) 4,6-Dinitro-2-methylphenol	10.36	198	23547	6.54	nq	80
65) n-Nitrosodiphenylamine	10.46	169	193994	9.54	nq	99
66) 4-Bromophenyl-phenylether	10.92	248	53468	9.25	nq	95
67) Hexachlorobenzene	10.98	284	53904	9.21	nq	# 80
68) Atrazine	11.12	200	56095	9.21	nq	99
69) Pentachlorophenol	11.22	266	27753	7.62	nq	98
70) Phenanthrene	11.49	178	323405	9.89	nq	99
71) Anthracene	11.55	178	327497	9.73	nq	99
72) Carbazole	11.75	167	332458	9.63	nq	97
73) Di-n-butylphthalate	12.20	149	342823	9.55	nq	99
74) Fluoranthene	12.94	202	322682	9.64	nq	98
76) Benzidine	13.11	184	166061	8.41	nq	95
77) Pyrene	13.22	202	337341	9.31	nq	99
79) Butylbenzylphthalate	14.04	149	132878	8.61	nq	88
80) Benzo(a)anthracene	14.70	228	264493	9.09	nq	99
81) 3,3'-Dichlorobenzidine	14.67	252	88462	8.50	nq	# 92
82) Chrysene	14.74	228	266531	9.87	nq	99
83) Bis(2-ethylhexyl)phthalate	14.76	149	204270	9.70	nq	# 98
84) Di-n-octyl phthalate	15.52	149	307905	8.75	nq	99
85) Indeno(1,2,3-cd)pyrene	17.73	276	194261	8.30	nq	97
87) Benzo(b)fluoranthene	15.93	252	220890	8.88	nq	98
88) Benzo(k)fluoranthene	15.96	252	238468	9.73	nq	97
89) Benzo(a)pyrene	16.28	252	208156	9.09	nq	99
90) Dibenzo(a,h)anthracene	17.75	278	165253	8.52	nq	96
91) Benzo(g,h,i)perylene	18.14	276	164051	8.39	nq	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.99 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

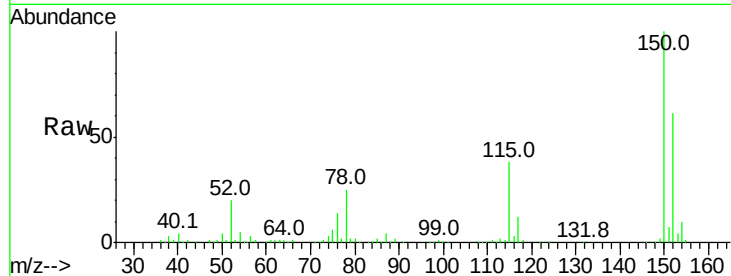
Tot Ion:152 Resp: 180409

Ion Ratio Lower Upper

152 100

150 163.3 126.2 189.2

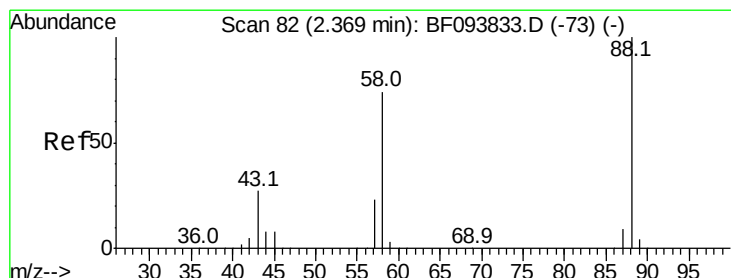
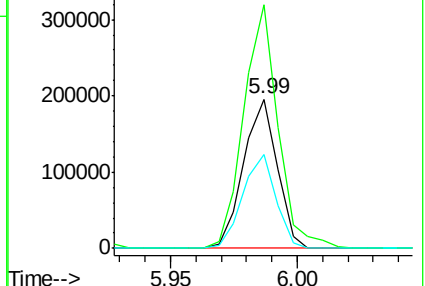
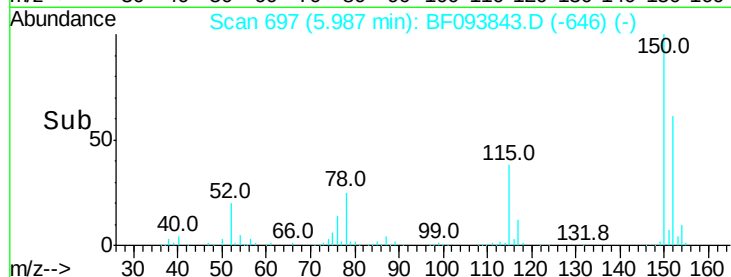
115 62.6 52.2 78.2



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: 8.95 ng

RT: 2.37 min Scan# 82

Delta R.T. 0.00 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

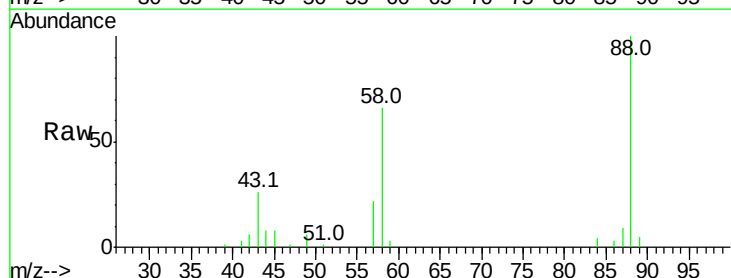
Tgt Ion: 88 Resp: 45930

Ion Ratio Lower Upper

88 100

58 71.7 61.4 92.0

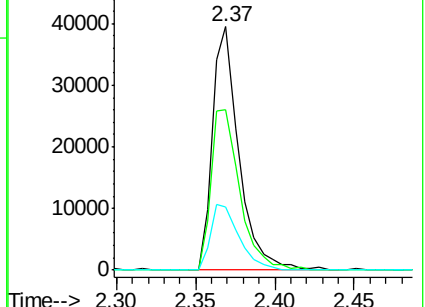
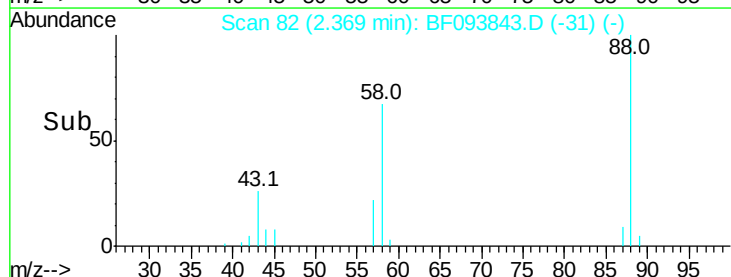
43 28.9 23.4 35.0

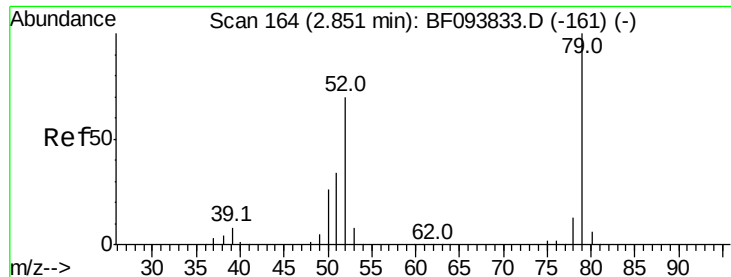


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0

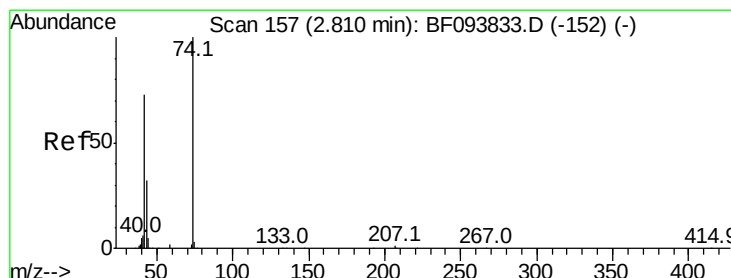
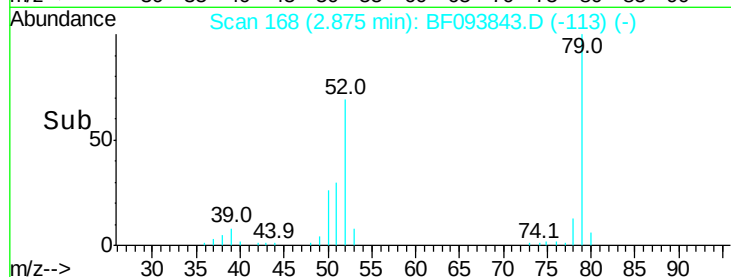
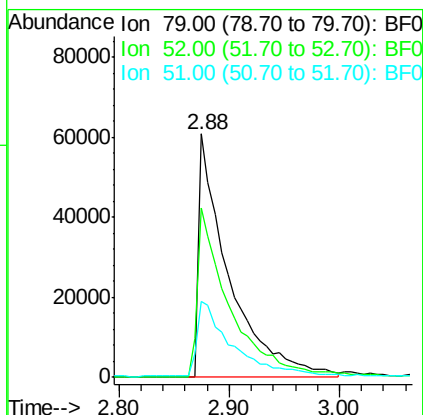
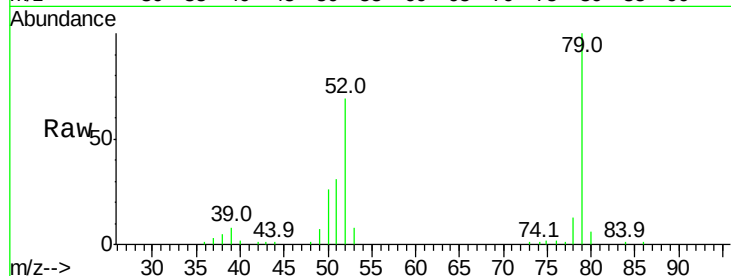




#3
 Pvridine
 Concen: 8.11 ng
 RT: 2.88 min Scan# 168
 Delta R.T. 0.02 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

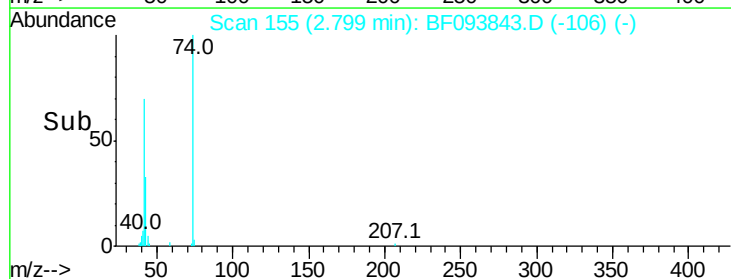
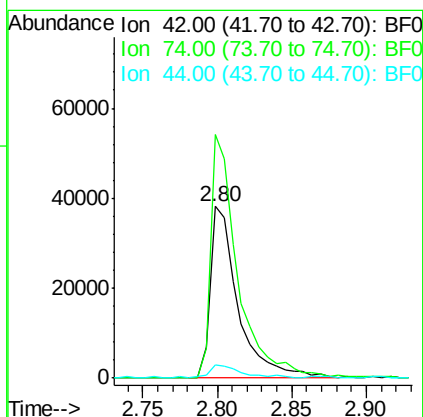
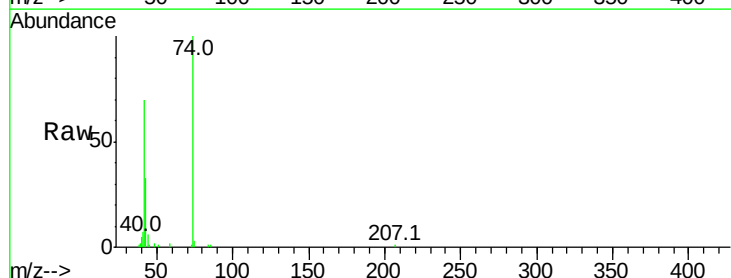
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

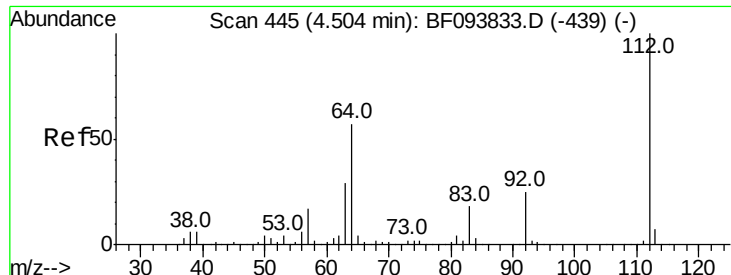
Tot Ion: 79 Resp: 113391
 Ion Ratio Lower Upper
 79 100
 52 69.4 54.8 82.2
 51 31.3 27.0 40.4



#4
 n-Nitrosodimethylamine
 Concen: 8.55 ng
 RT: 2.80 min Scan# 155
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion: 42 Resp: 49206
 Ion Ratio Lower Upper
 42 100
 74 142.1 103.9 155.9
 44 7.9 5.7 8.5





#5

2-Fluorophenol

Concen: 130.23 ng

RT: 4.50 min Scan# 445

Delta R.T. 0.00 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

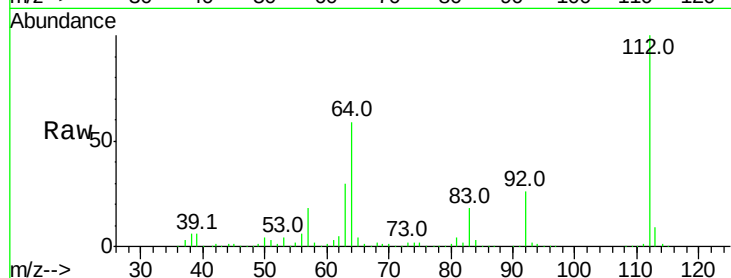
Tot Ion:112 Resp: 1391082

Ion Ratio Lower Upper

112 100

64 59.1 46.0 69.0

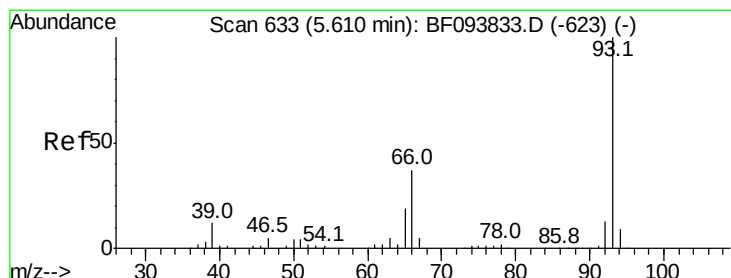
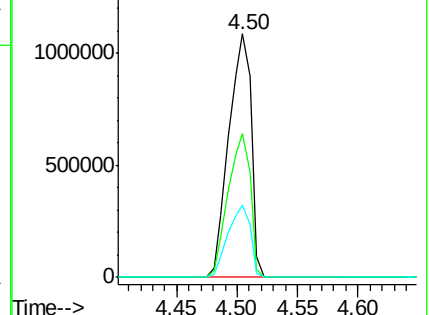
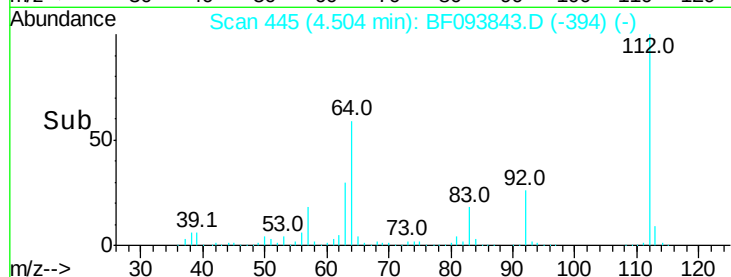
63 29.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 9.11 ng

RT: 5.60 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

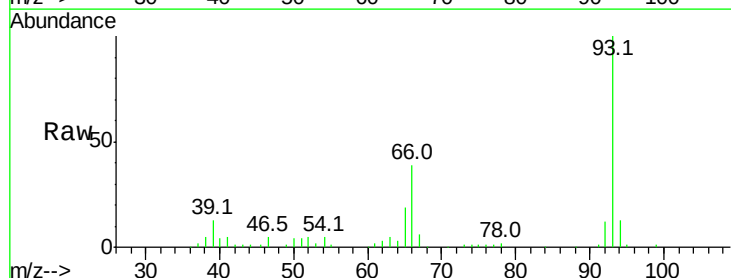
Tgt Ion: 93 Resp: 167413

Ion Ratio Lower Upper

93 100

66 38.8 32.9 49.3

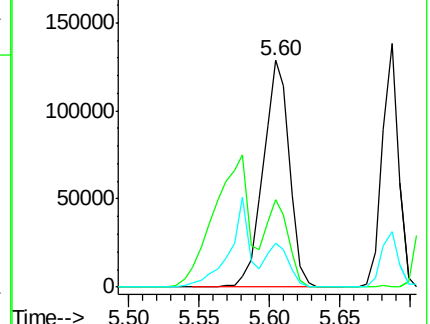
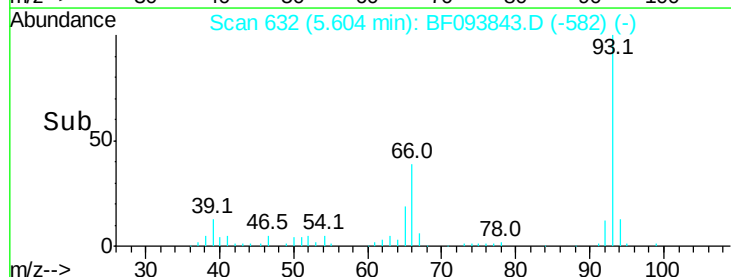
65 19.2 16.0 24.0

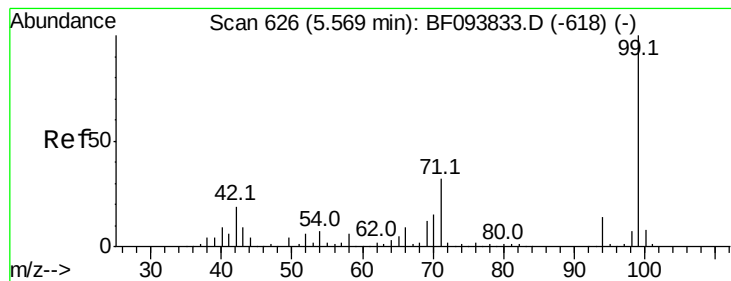


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 129.08 ng

RT: 5.57 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

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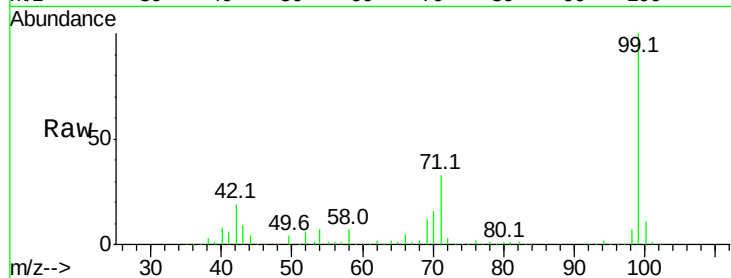
Tot Ion: 99 Resp: 1705698

Ion Ratio Lower Upper

99 100

42 19.0 13.5 20.3

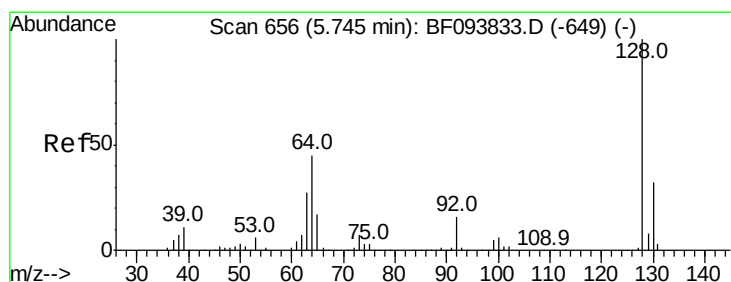
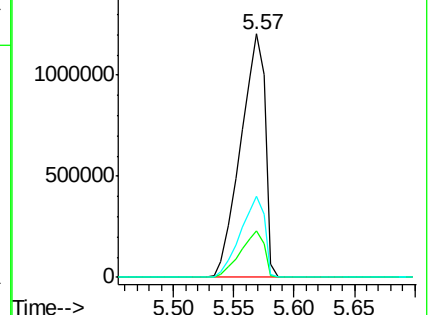
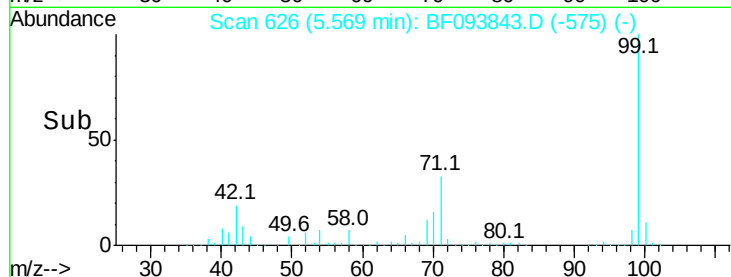
71 33.2 24.5 36.7



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: 9.23 ng

RT: 5.74 min Scan# 655

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

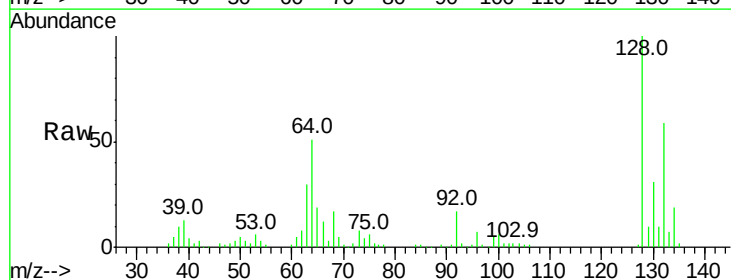
Tgt Ion:128 Resp: 108334

Ion Ratio Lower Upper

128 100

130 30.5 12.9 52.9

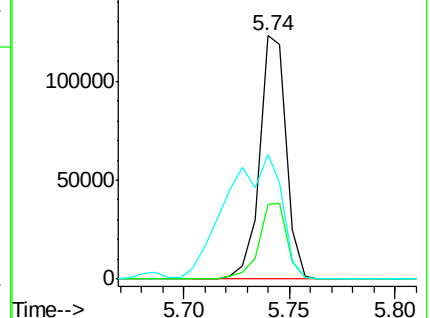
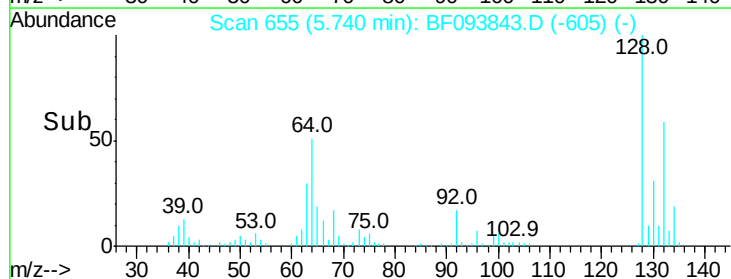
64 51.4 28.4 68.4

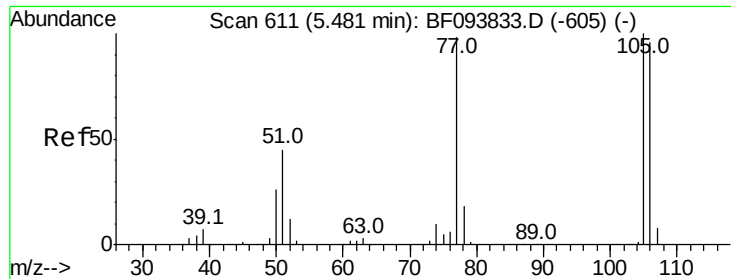


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

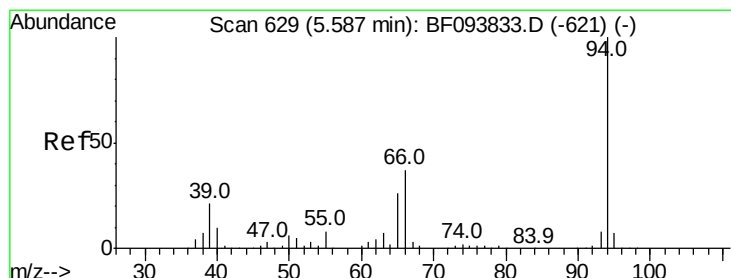
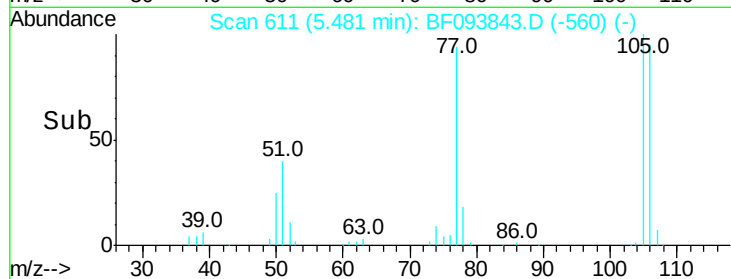
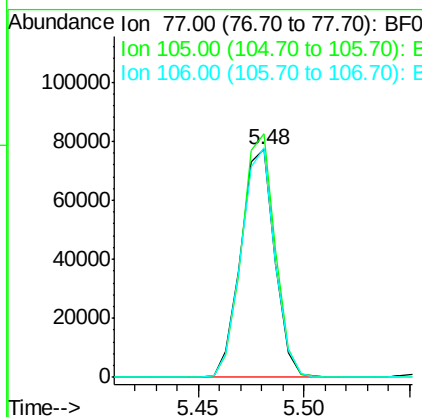
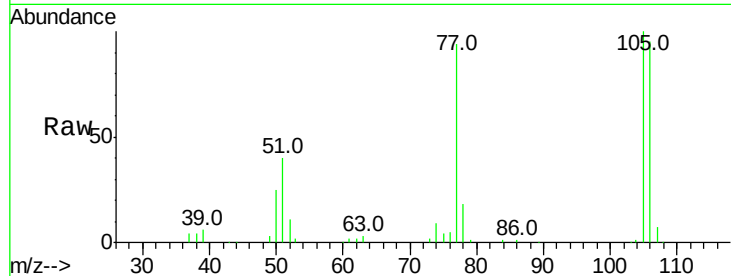




#9
Benzaldehyde
Concen: 9.66 ng
RT: 5.48 min Scan# 611
Delta R.T. 0.00 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

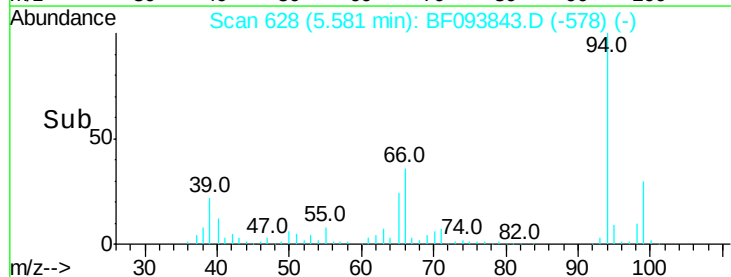
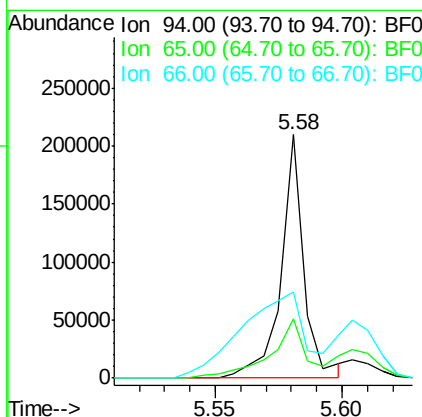
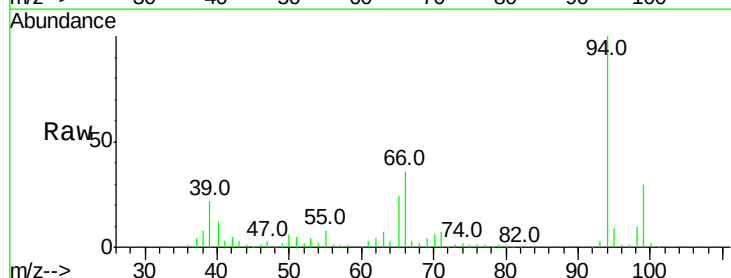
Instrument :
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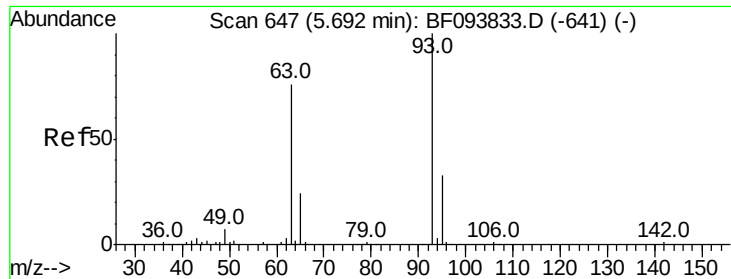
Tot Ion: 77 Resp: 86233
Ion Ratio Lower Upper
77 100
105 106.7 83.8 123.8
106 100.9 79.1 119.1



#10
Phenol
Concen: 8.85 ng
RT: 5.58 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion: 94 Resp: 133097
Ion Ratio Lower Upper
94 100
65 24.3 9.9 49.9
66 35.6 23.1 63.1

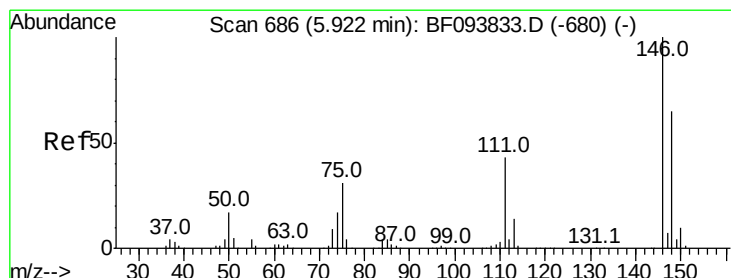
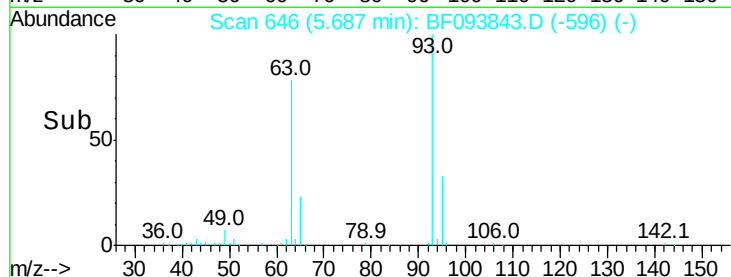
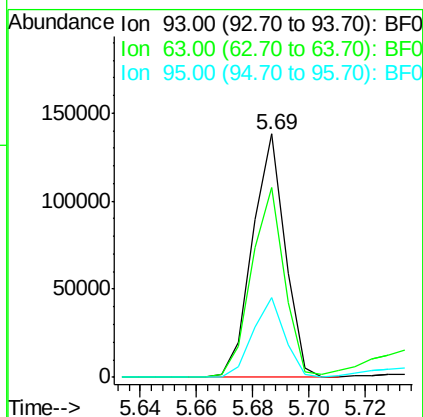
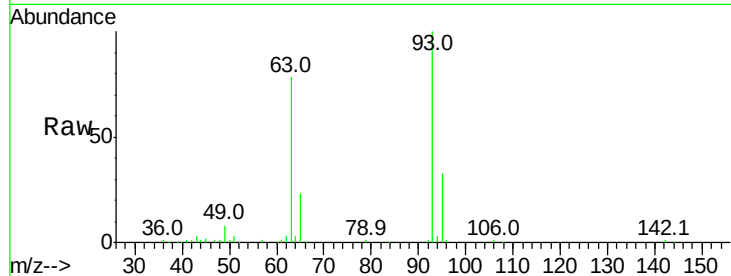




#11
bis(2-Chloroethyl)ether
Concen: 9.43 ng
RT: 5.69 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

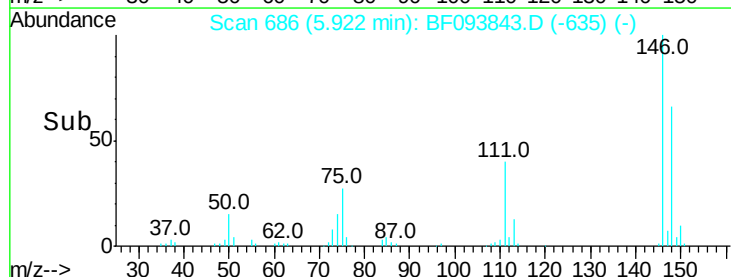
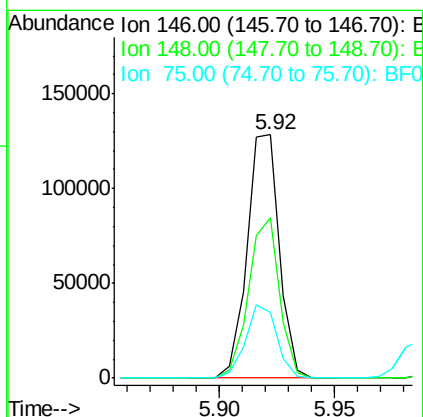
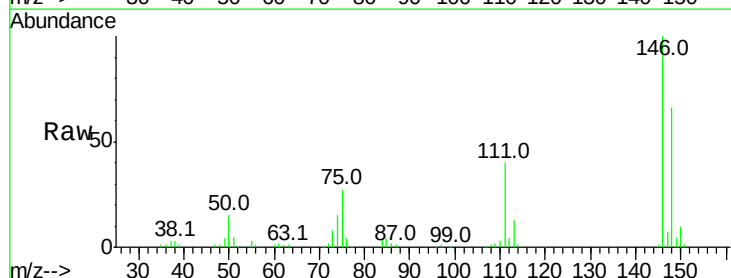
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

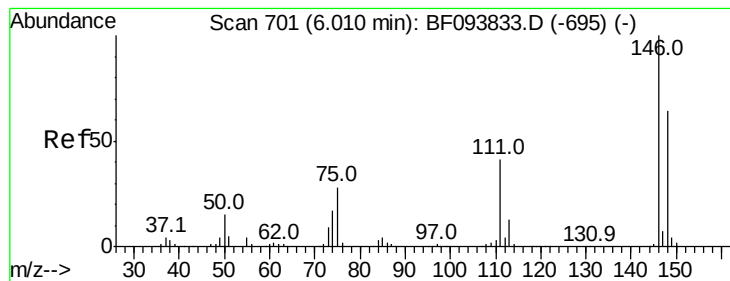
Tot Ion: 93 Resp: 110853
Ion Ratio Lower Upper
93 100
63 77.8 59.2 99.2
95 32.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 9.53 ng
RT: 5.92 min Scan# 686
Delta R.T. 0.00 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion: 146 Resp: 125525
Ion Ratio Lower Upper
146 100
148 65.7 51.8 77.6
75 26.9 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 9.68 ng

RT: 6.00 min Scan# 700

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

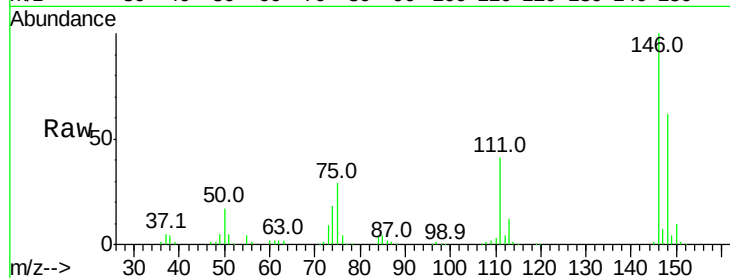
Tot Ion:146 Resp: 129114

Ion Ratio Lower Upper

146 100

148 62.5 52.2 78.2

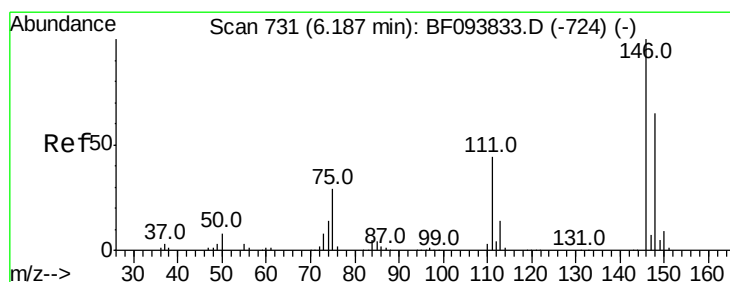
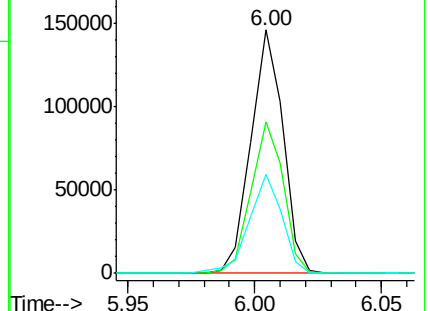
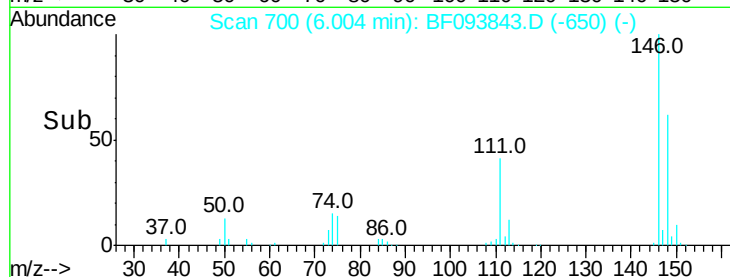
111 40.7 30.3 45.5



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: 9.87 ng

RT: 6.18 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

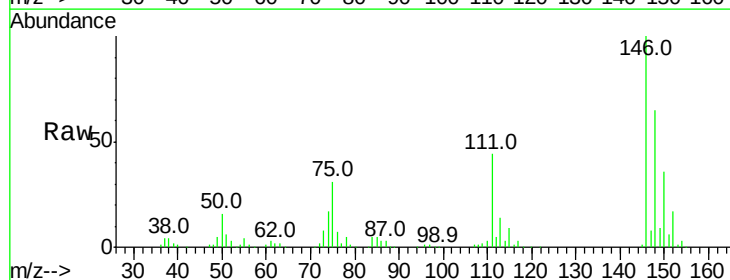
Tgt Ion:146 Resp: 121194

Ion Ratio Lower Upper

146 100

148 64.9 50.4 75.6

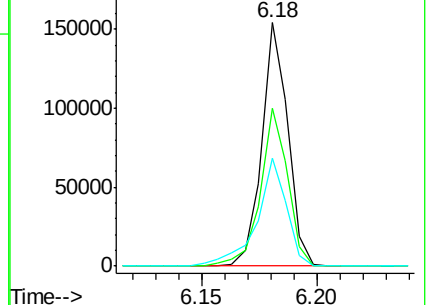
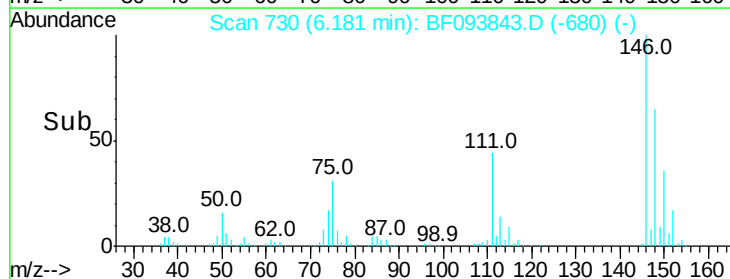
111 44.1 38.2 57.4

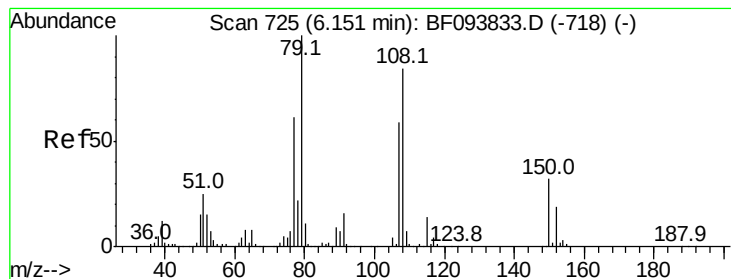


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 10.61 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

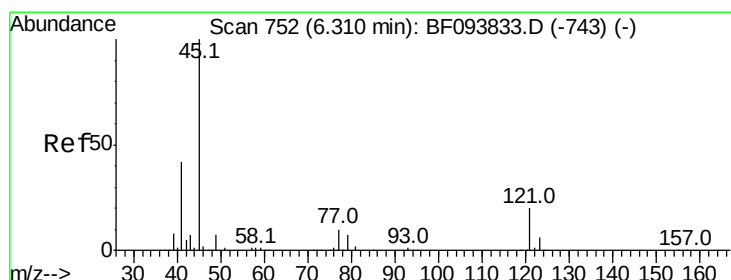
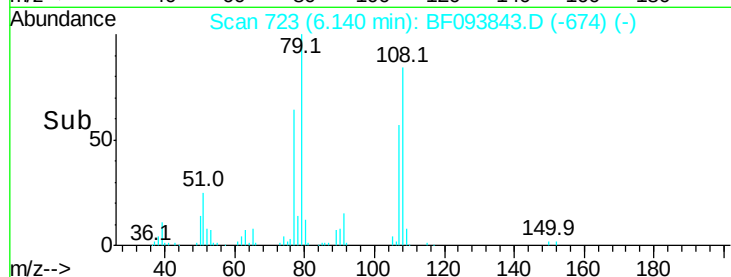
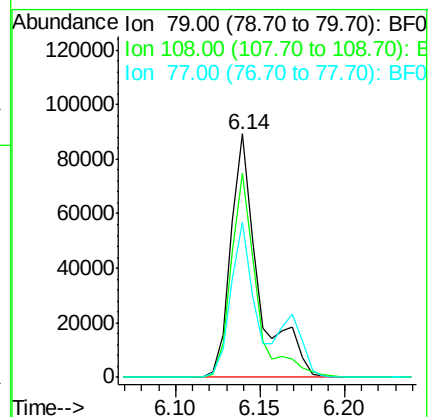
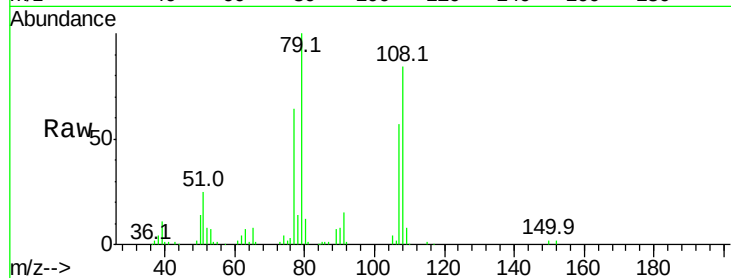
Tot Ion: 79 Resp: 102621

Ion Ratio Lower Upper

79 100

108 83.6 63.4 95.0

77 63.9 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 9.27 ng

RT: 6.30 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

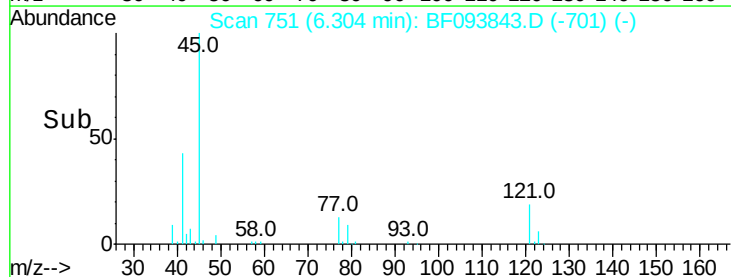
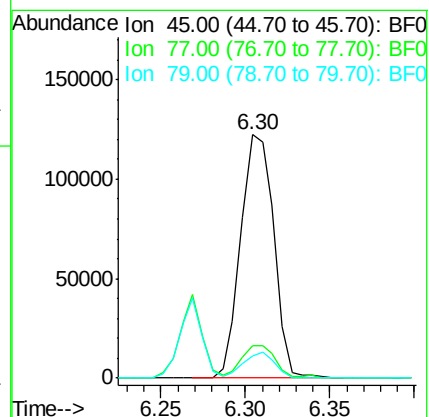
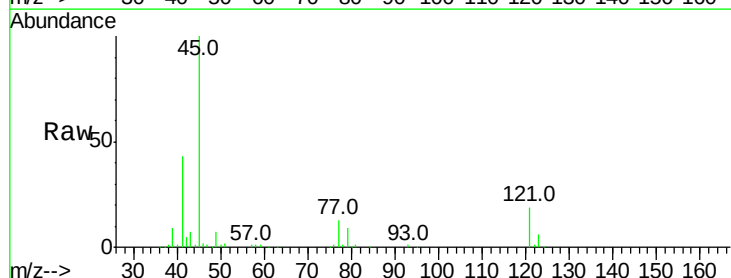
Tgt Ion: 45 Resp: 167833

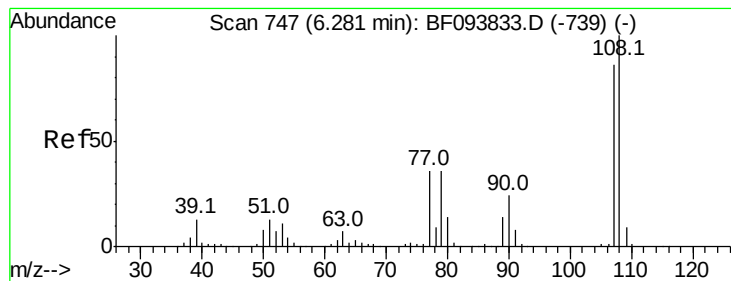
Ion Ratio Lower Upper

45 100

77 13.2 0.0 33.2

79 9.3 0.0 30.0

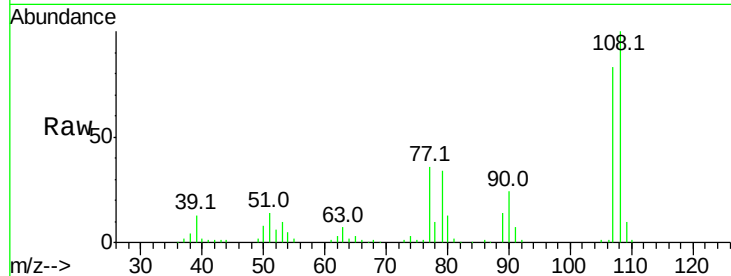




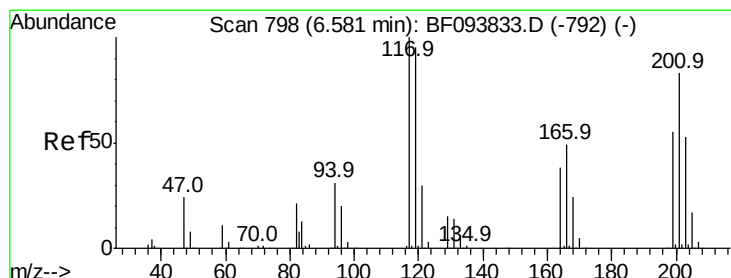
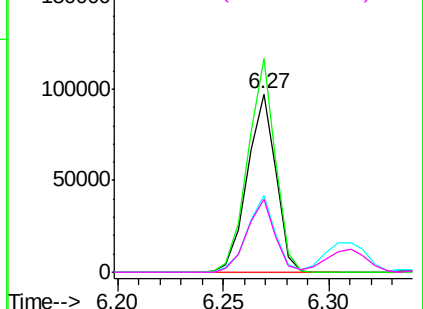
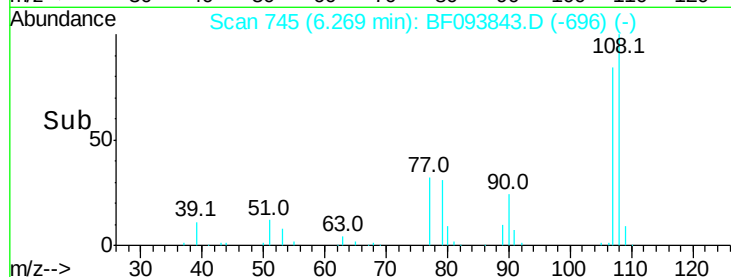
#17
2-Methylphenol
Concen: 9.04 ng
RT: 6.27 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

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

Tot Ion	Ratio	Lower	Upper
107	100		
108	120.0	93.4	140.0
77	43.2	35.8	53.6
79	41.3	34.8	52.2

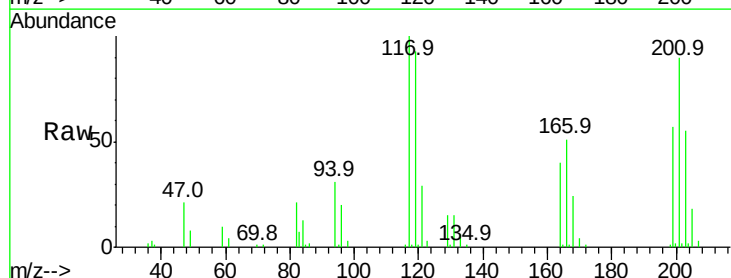


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

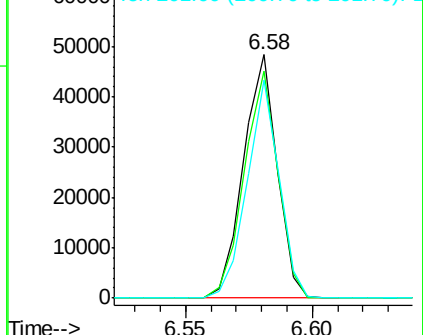
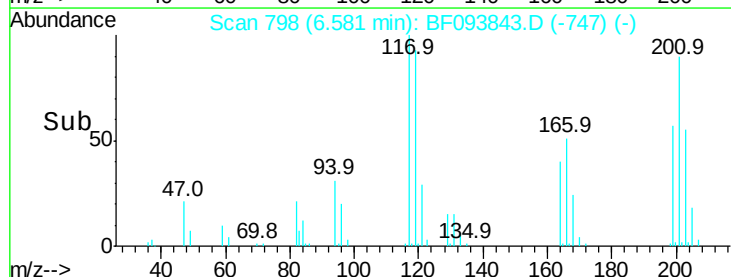


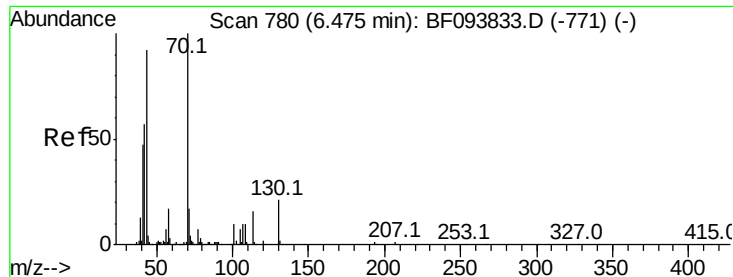
#18
Hexachloroethane
Concen: 9.52 ng
RT: 6.58 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.4	116.0
201	89.6	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

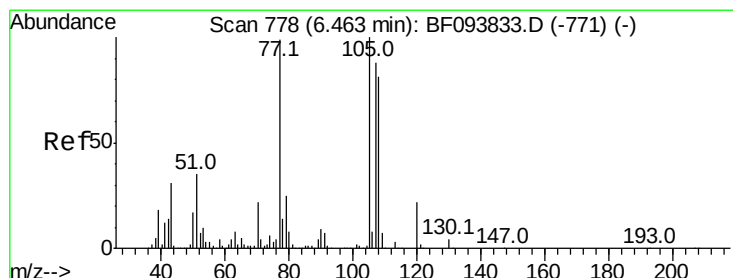
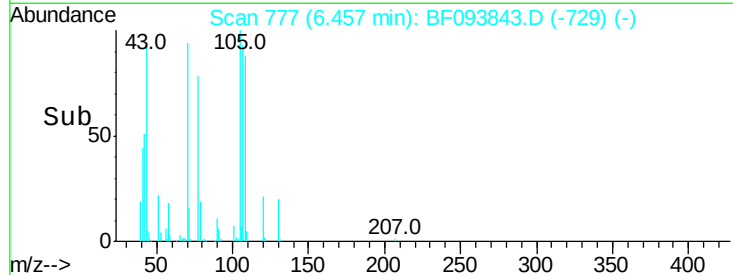
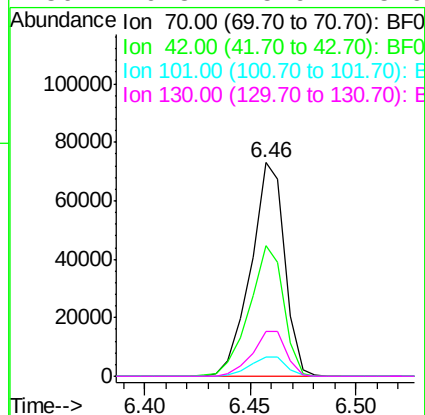
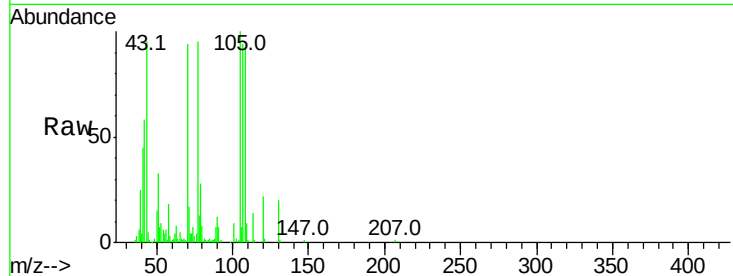




#19
n-Nitroso-di-n-propylamine
Concen: 9.58 ng
RT: 6.46 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

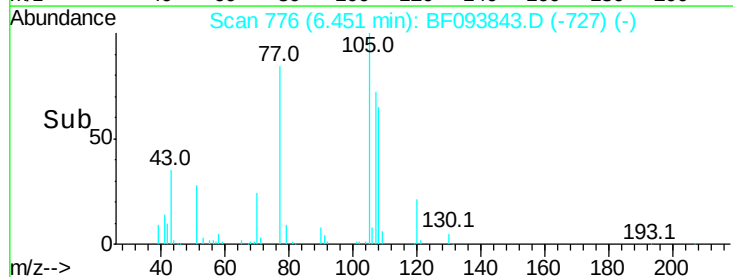
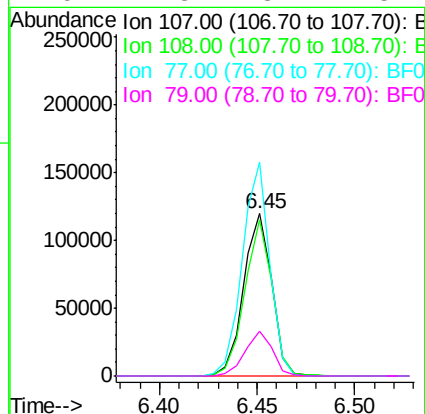
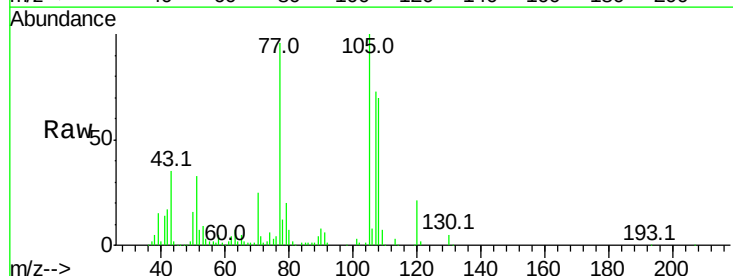
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

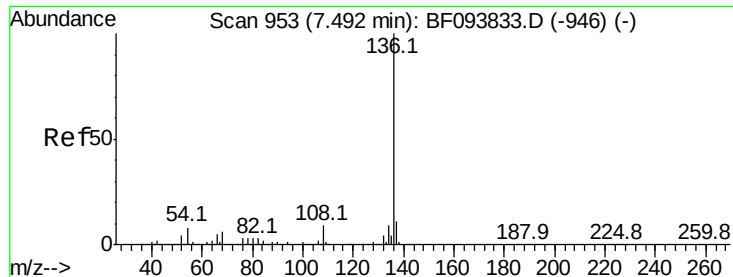
Tot Ion: 70 Resp: 81368
Ion Ratio Lower Upper
70 100
42 61.3 47.2 70.8
101 9.1 7.2 10.8
130 20.8 15.9 23.9



#20
3+4-Methylphenols
Concen: 9.80 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion: 107 Resp: 119353
Ion Ratio Lower Upper
107 100
108 96.4 71.0 111.0
77 131.6 90.5 130.5#
79 27.3 8.4 48.4

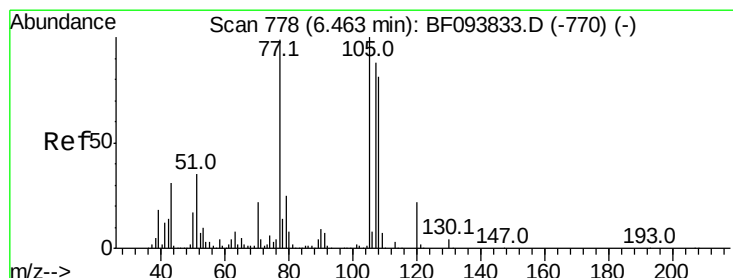
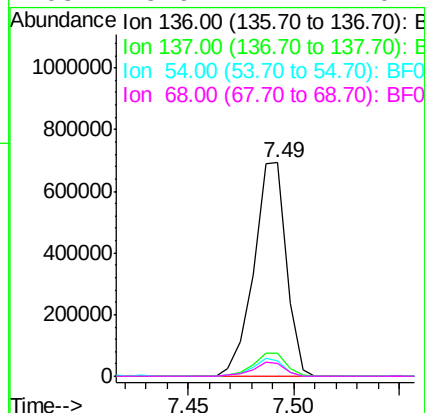
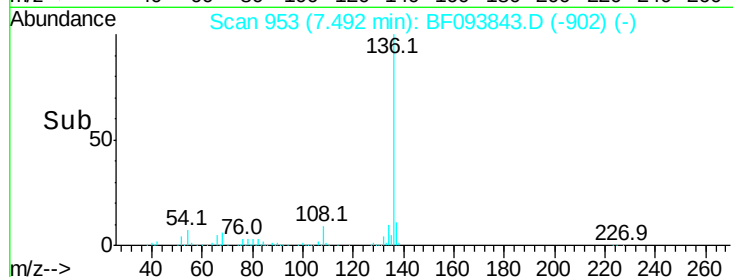
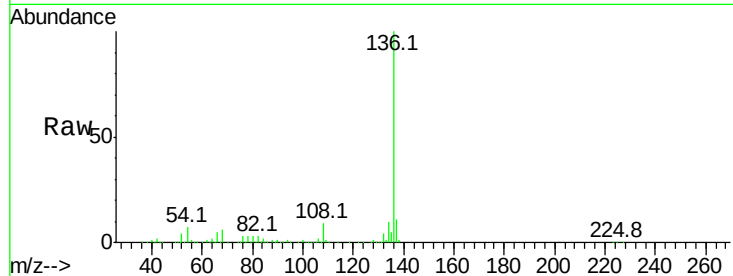




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.49 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

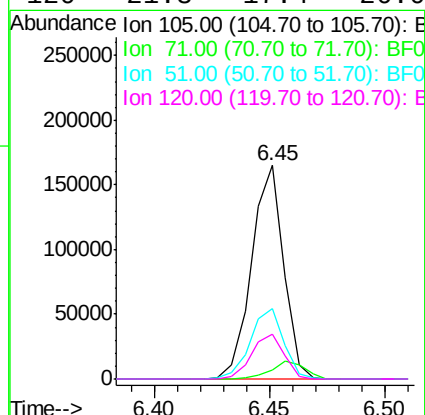
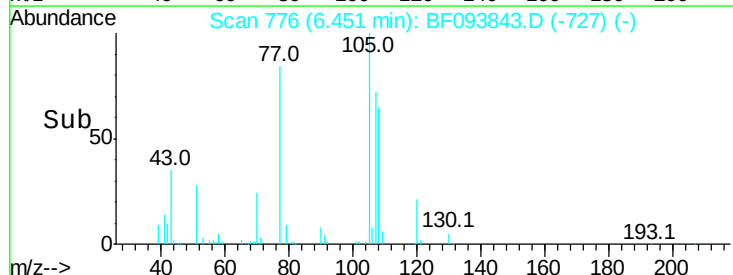
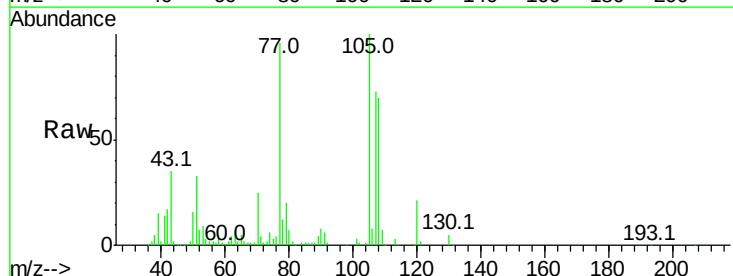
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

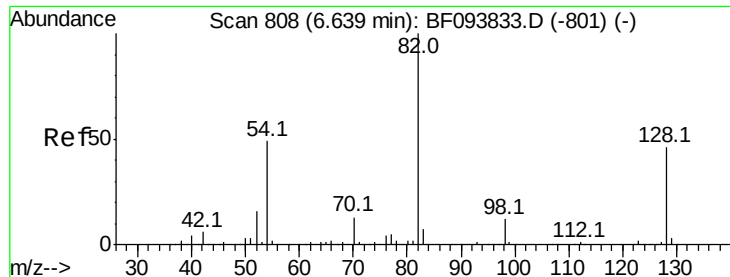
Tot Ion:	136	Resp:	743984
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.3	4.9	7.3#
68	5.9	4.1	6.1



#22
Acetophenone
Concen: 9.65 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:	105	Resp:	159975
Ion	Ratio	Lower	Upper
105	100		
71	4.0	2.8	4.2
51	32.9	30.7	46.1
120	21.3	17.4	26.0

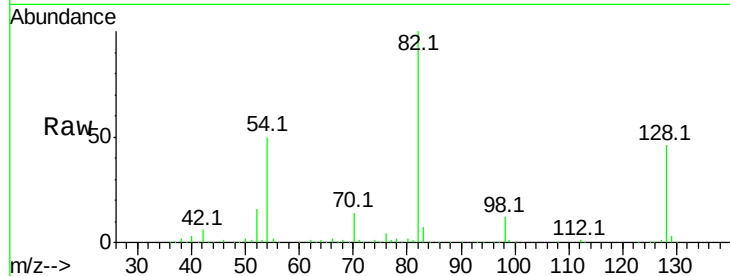




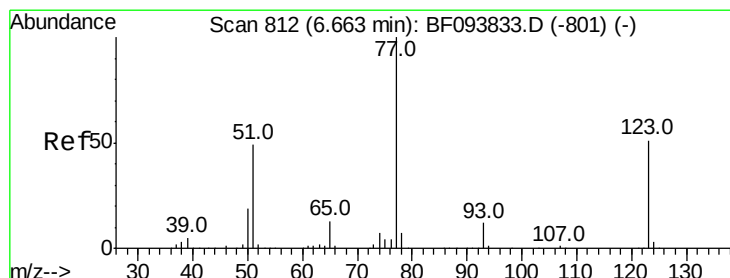
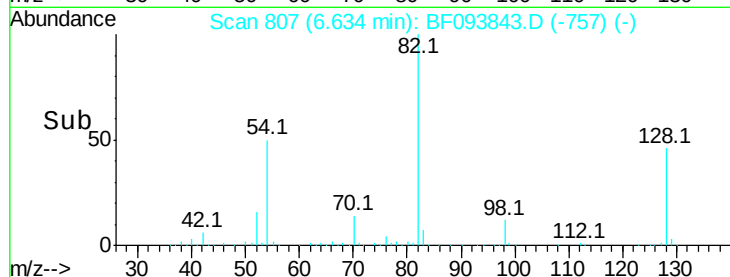
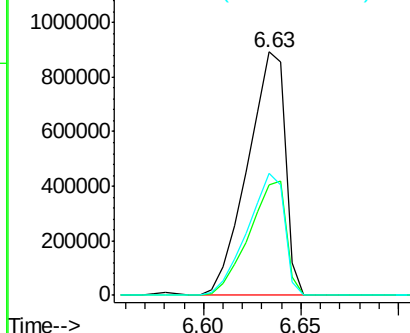
#23
 Nitrobenzene-d5
 Concen: 91.37 ng
 RT: 6.63 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

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

Tot Ion: 82 Resp: 1191148
 Ion Ratio Lower Upper
 82 100
 128 45.5 34.0 51.0
 54 50.0 42.2 63.2

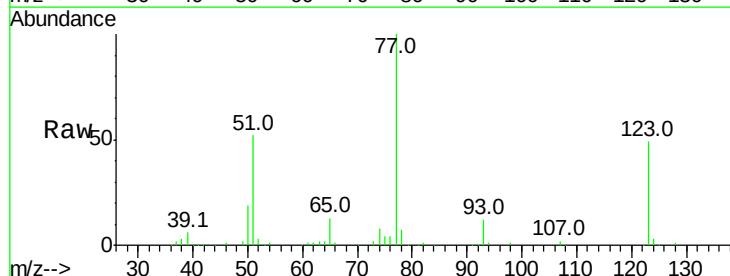


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

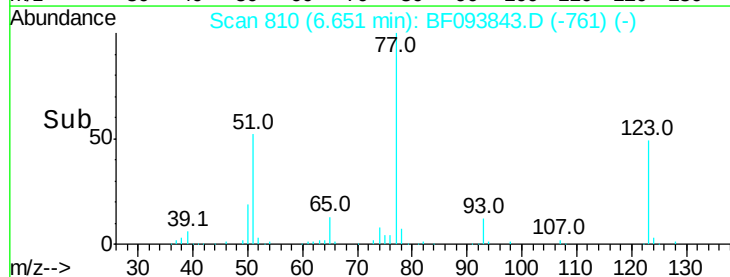
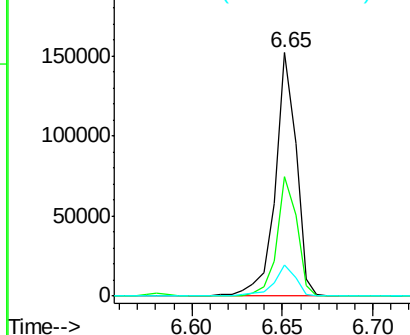


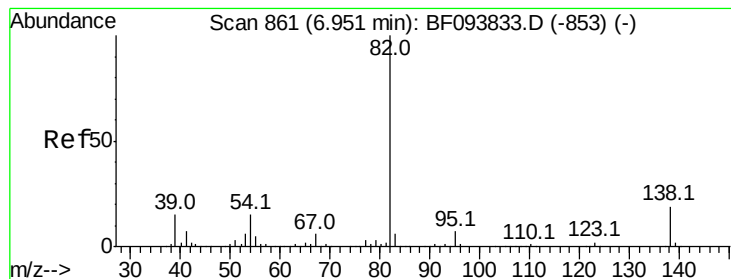
#24
 Nitrobenzene
 Concen: 9.45 ng
 RT: 6.65 min Scan# 810
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion: 77 Resp: 121525
 Ion Ratio Lower Upper
 77 100
 123 48.8 35.8 53.8
 65 12.9 10.6 15.8



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 9.16 ng

RT: 6.93 min Scan# 858

Delta R.T. -0.02 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

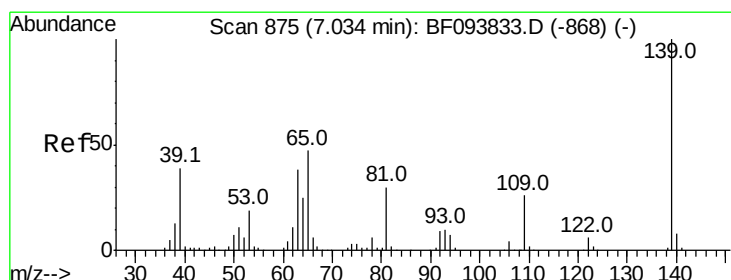
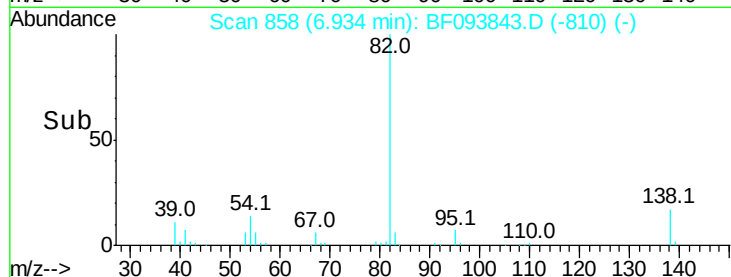
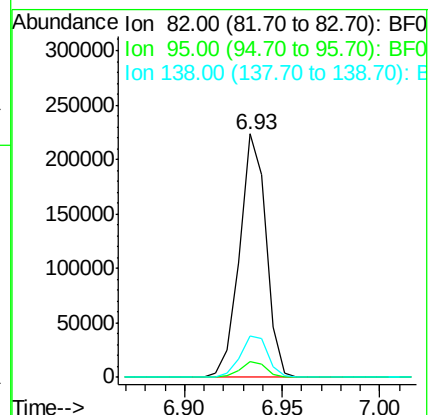
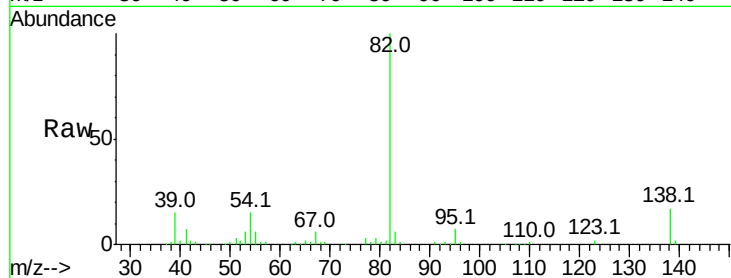
Tot Ion: 82 Resp: 209730

Ion Ratio Lower Upper

82 100

95 6.7 5.3 7.9

138 17.0 13.1 19.7



#26

2-Nitrophenol

Concen: 8.34 ng

RT: 7.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

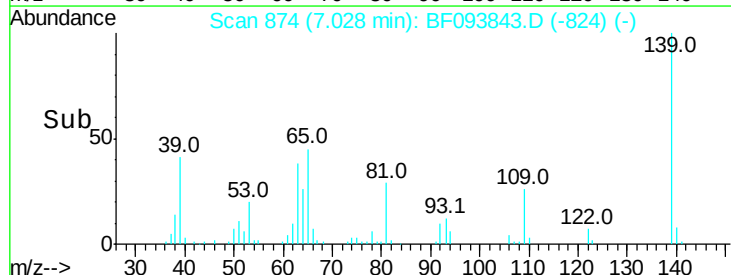
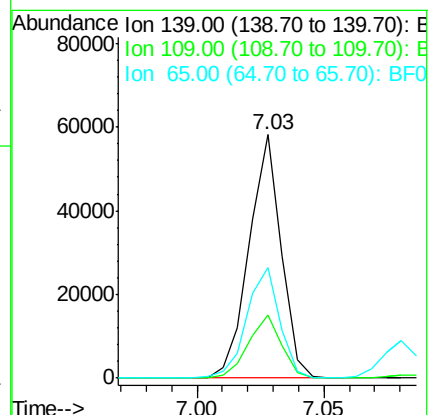
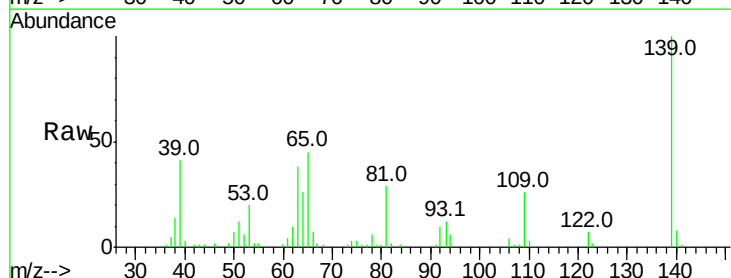
Tgt Ion: 139 Resp: 51163

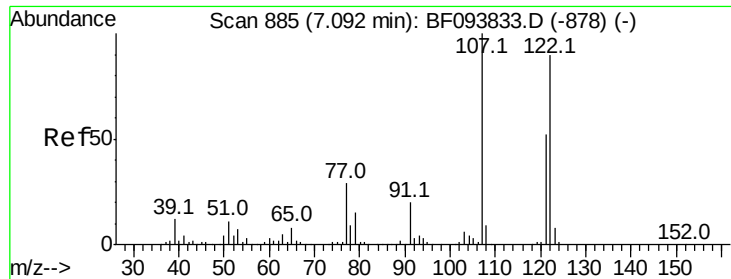
Ion Ratio Lower Upper

139 100

109 25.9 21.0 31.6

65 45.5 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 8.96 ng

RT: 7.08 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

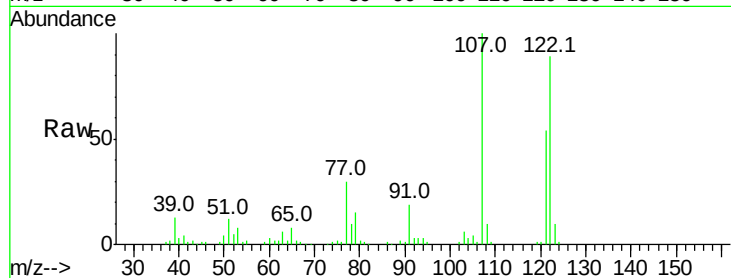
Tot Ion:122 Resp: 94619

Ion Ratio Lower Upper

122 100

107 112.7 89.2 133.8

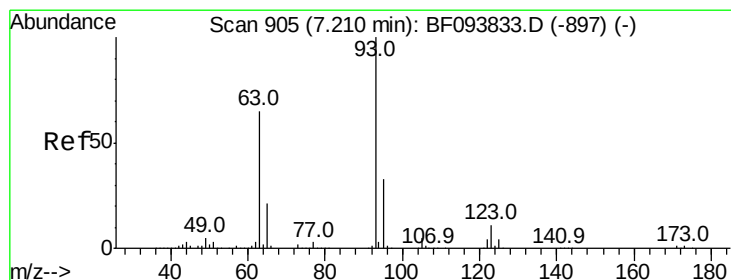
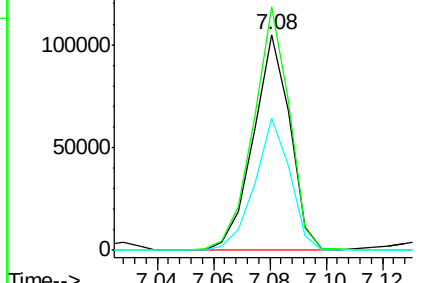
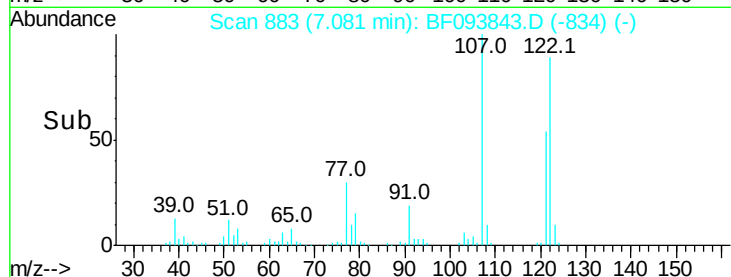
121 61.3 45.2 67.8



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: 9.37 ng

RT: 7.20 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

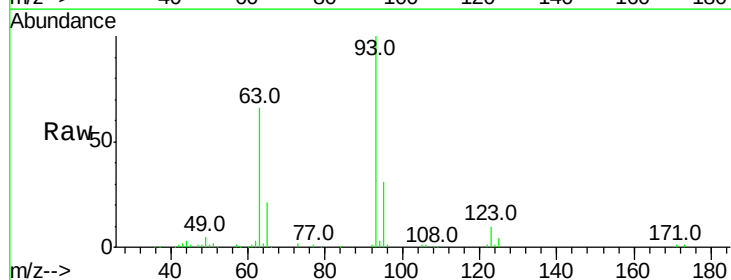
Tgt Ion: 93 Resp: 141613

Ion Ratio Lower Upper

93 100

95 30.8 26.5 39.7

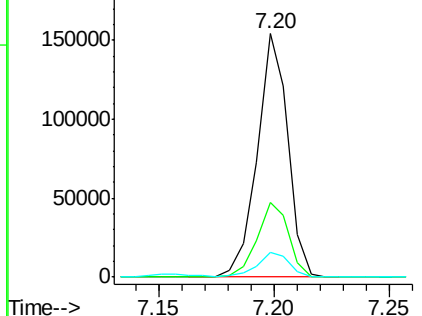
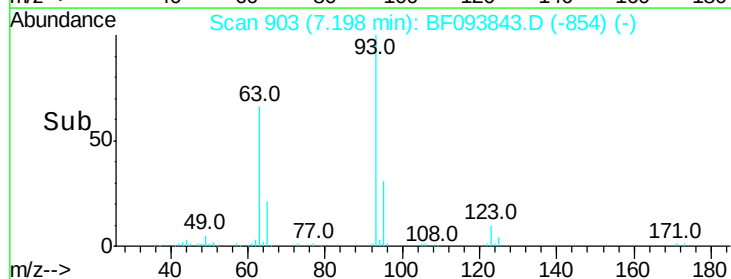
123 10.0 9.0 13.4

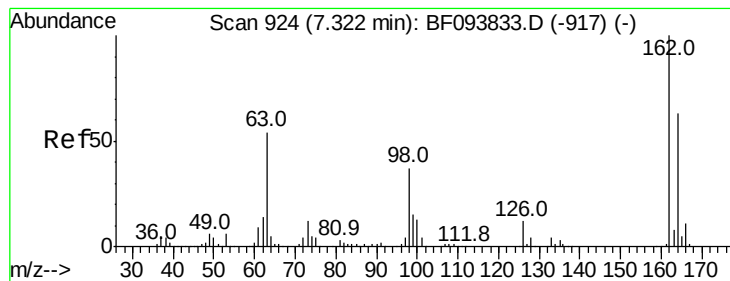


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 9.05 ng

RT: 7.32 min Scan# 923

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

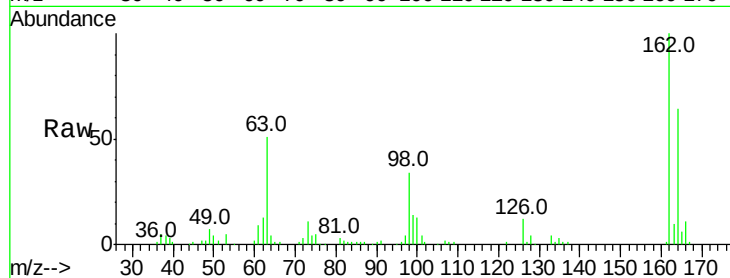
Tot Ion:162 Resp: 89444

Ion Ratio Lower Upper

162 100

164 64.2 44.6 84.6

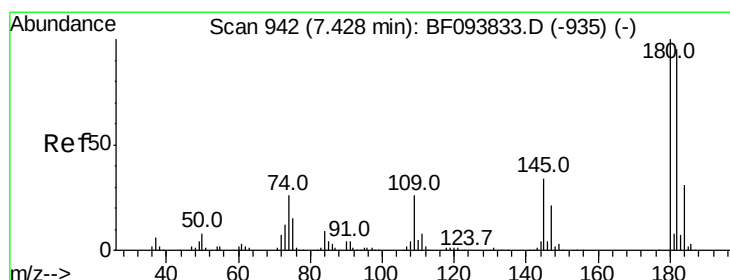
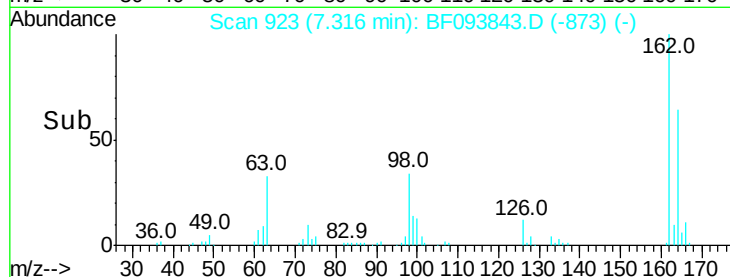
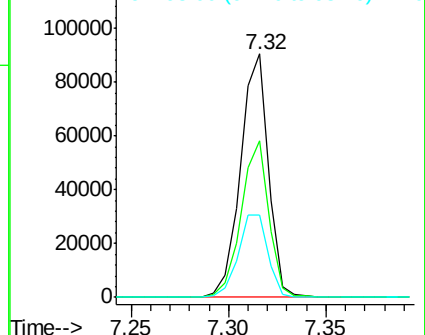
98 33.9 14.8 54.8



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: 9.36 ng

RT: 7.42 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

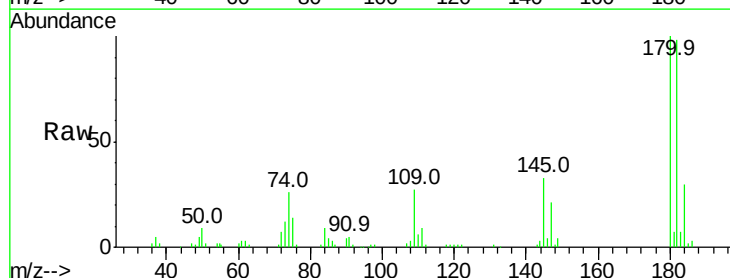
Tgt Ion:180 Resp: 95234

Ion Ratio Lower Upper

180 100

182 97.9 75.8 113.6

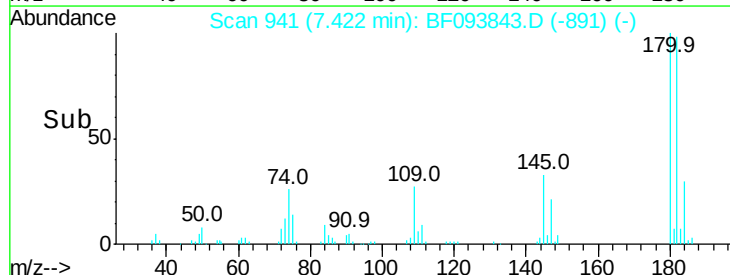
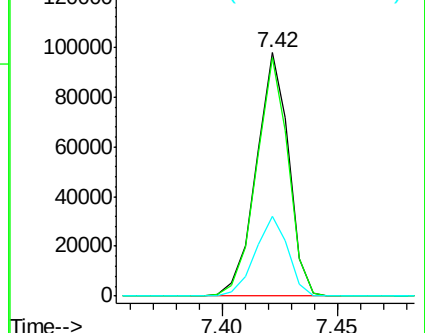
145 32.6 25.3 37.9

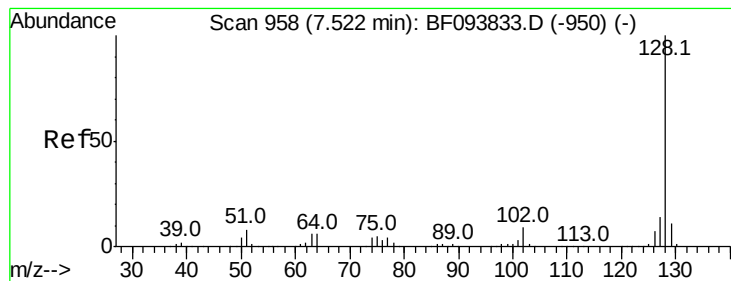


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

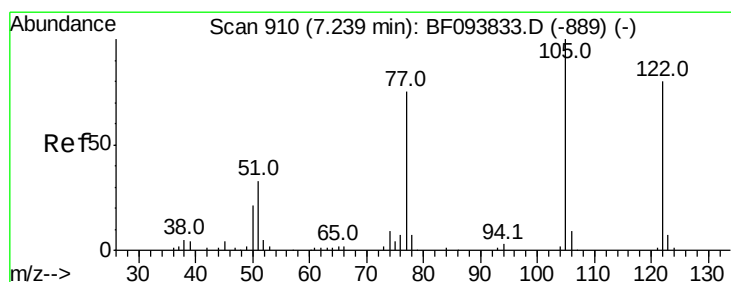
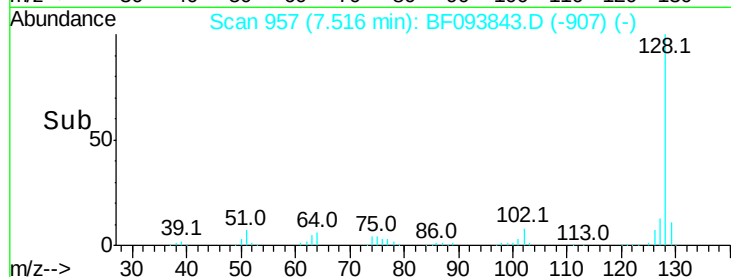
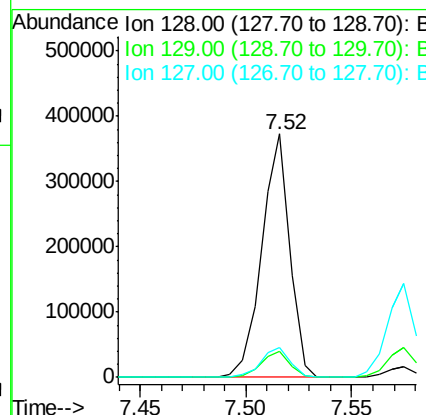
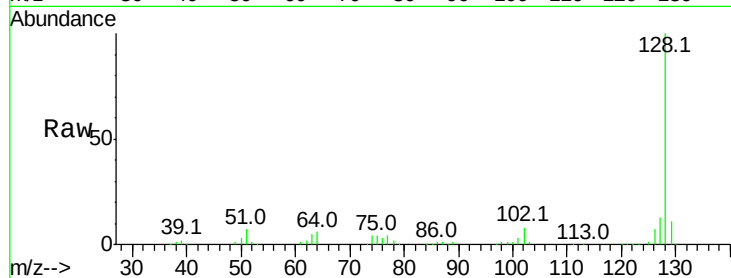




#31
Naphthalene
Concen: 9.58 ng
RT: 7.52 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

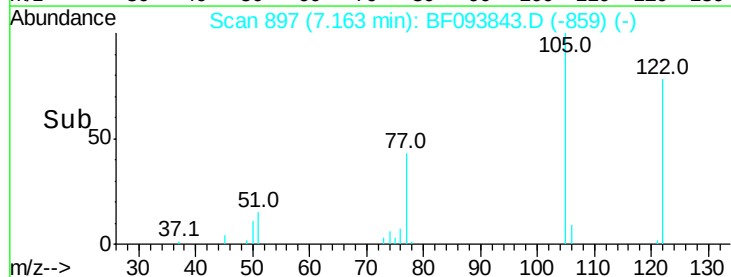
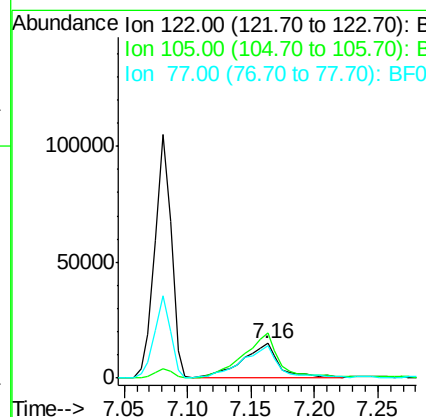
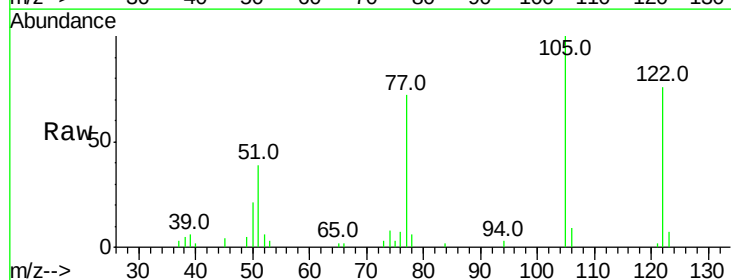
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

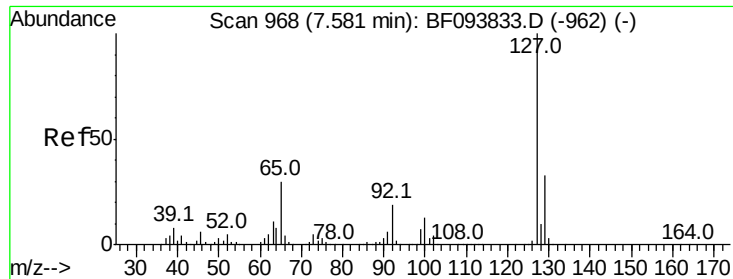
Tot Ion:128 Resp: 342875
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.5 10.8 16.2



#32
Benzoic acid
Concen: 4.13 ng
RT: 7.16 min Scan# 897
Delta R.T. -0.08 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:122 Resp: 29025
Ion Ratio Lower Upper
122 100
105 130.8 103.3 143.3
77 94.5 73.7 113.7

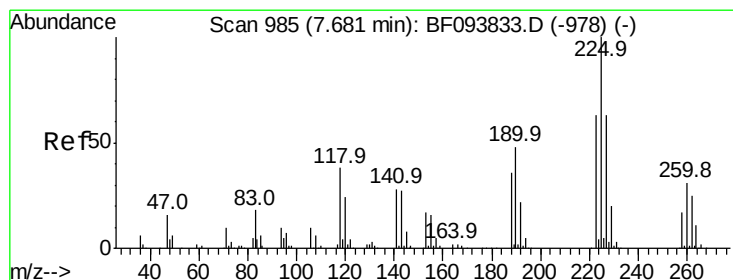
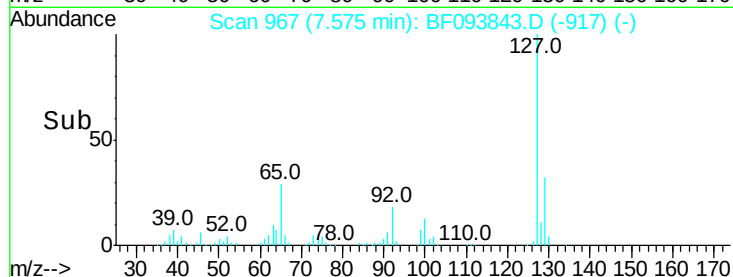
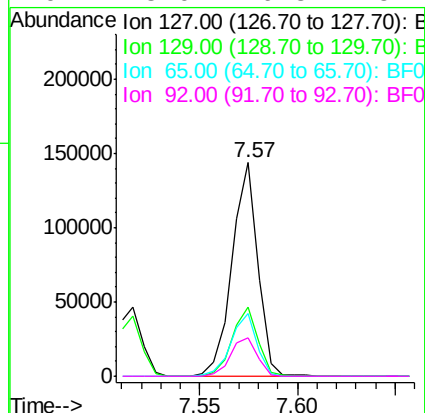
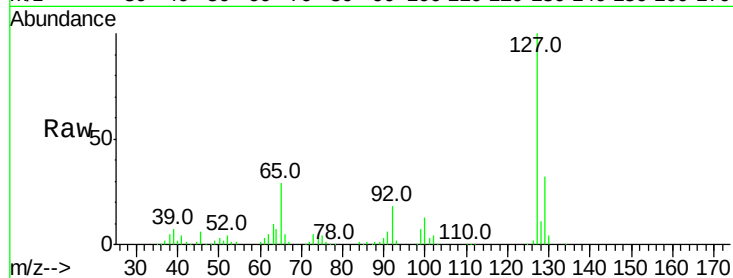




#33
4-Chloroaniline
Concen: 9.09 ng
RT: 7.57 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

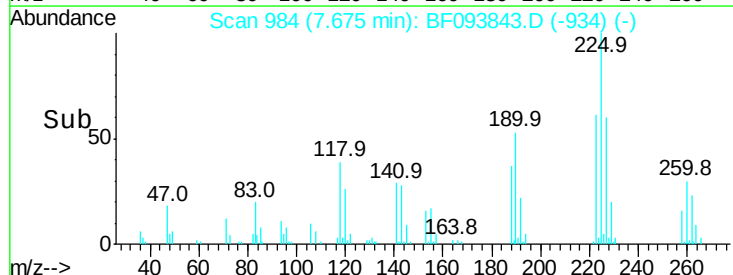
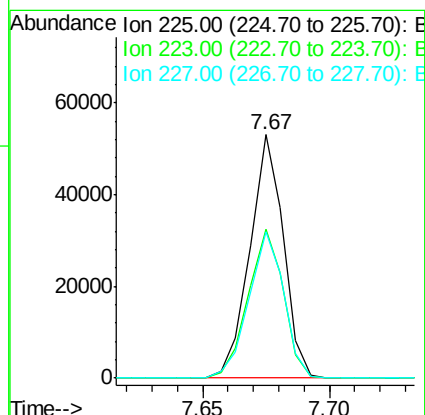
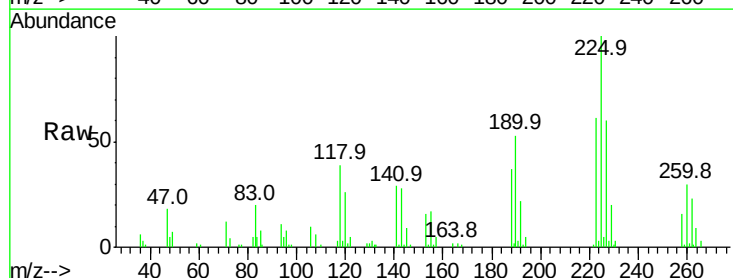
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

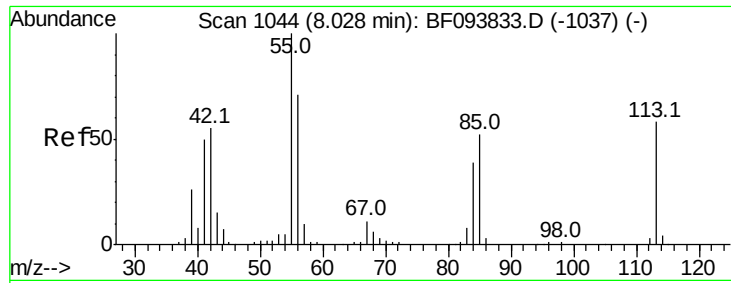
Tot Ion:	127	Resp:	131771
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.2	39.2
65	29.3	27.8	41.8
92	18.0	16.8	25.2



#34
Hexachlorobutadiene
Concen: 9.34 ng
RT: 7.67 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:	225	Resp:	48738
Ion	Ratio	Lower	Upper
225	100		
223	61.3	48.8	73.2
227	60.3	51.1	76.7

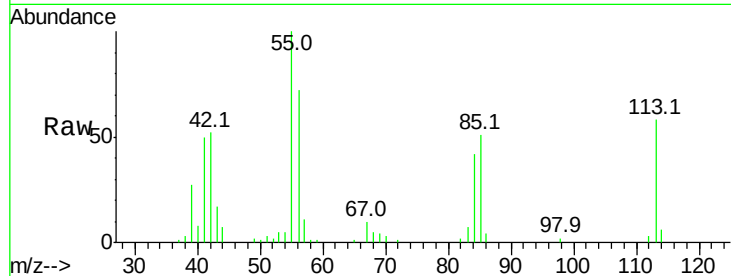




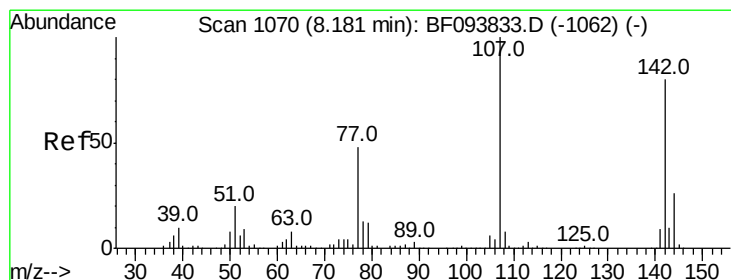
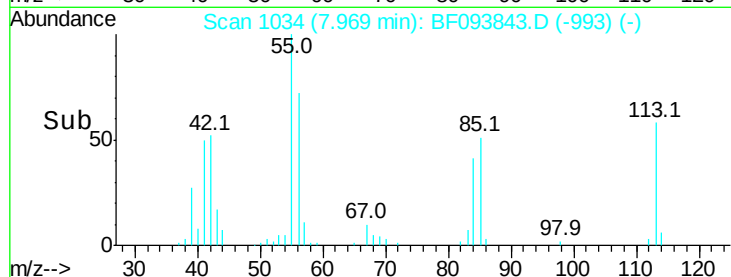
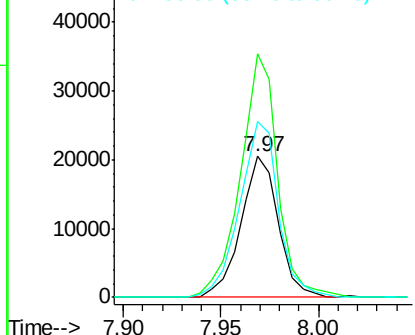
#35
 Caprolactam
 Concen: 8.63 ng
 RT: 7.97 min Scan# 1034
 Delta R.T. -0.06 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

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

Tot Ion:113 Resp: 27194
 Ion Ratio Lower Upper
 113 100
 55 173.1 150.2 190.2
 56 124.7 107.8 147.8

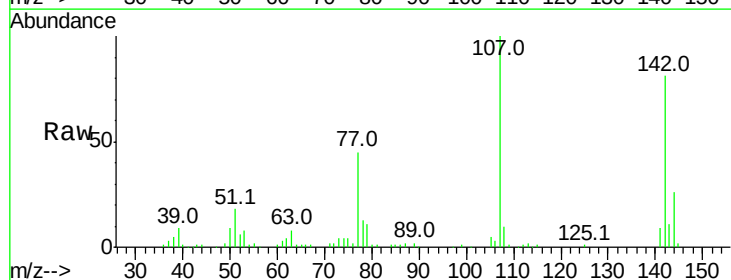


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

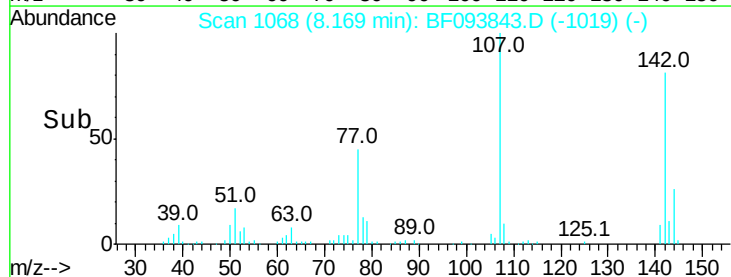
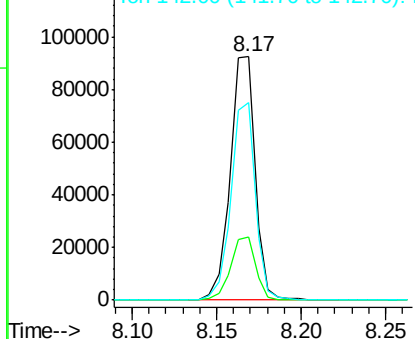


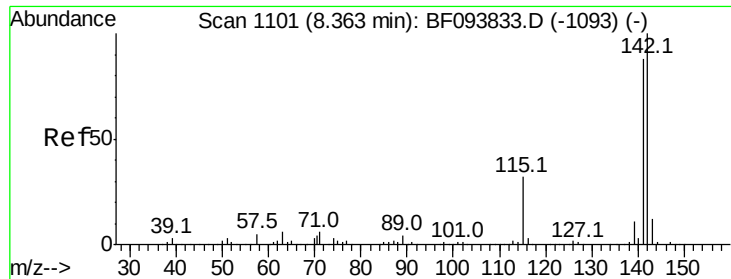
#36
 4-Chloro-3-methylphenol
 Concen: 9.17 ng
 RT: 8.17 min Scan# 1068
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion:107 Resp: 94644
 Ion Ratio Lower Upper
 107 100
 144 25.9 24.2 36.4
 142 81.3 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

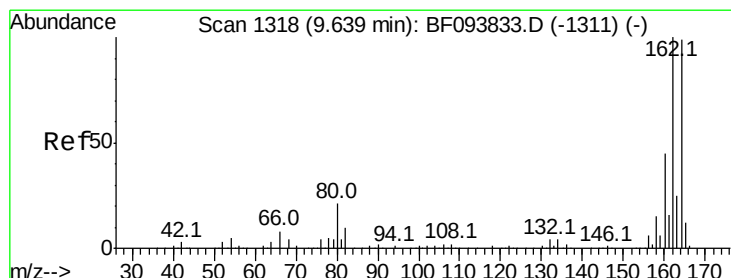
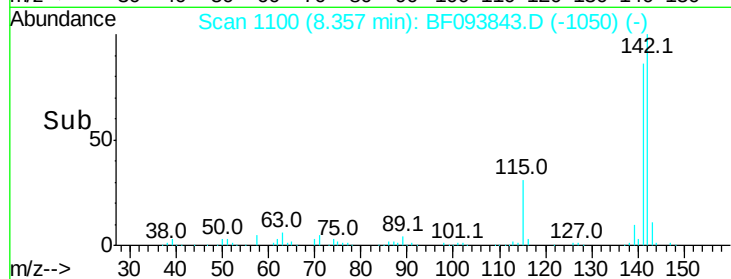
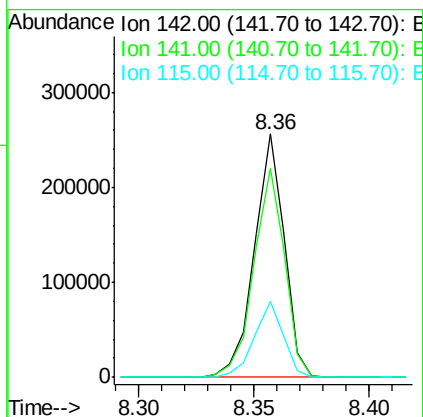
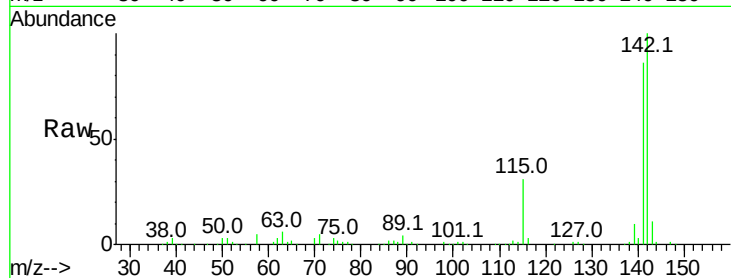




#37
2-Methylnaphthalene
Concen: 9.72 ng
RT: 8.36 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

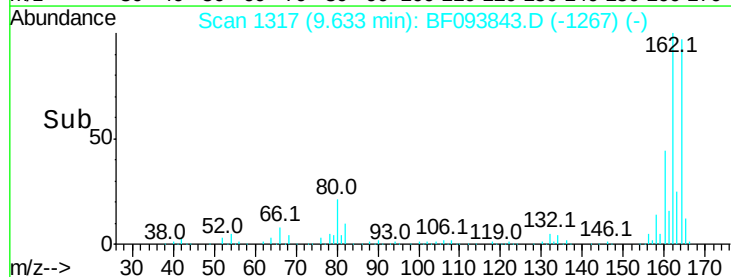
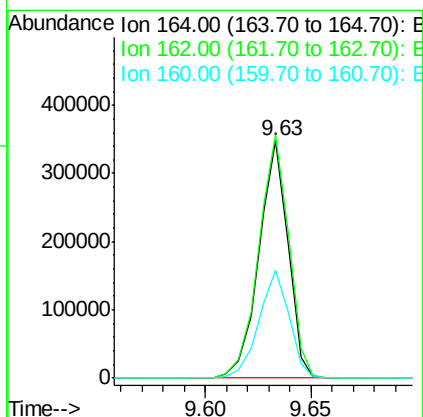
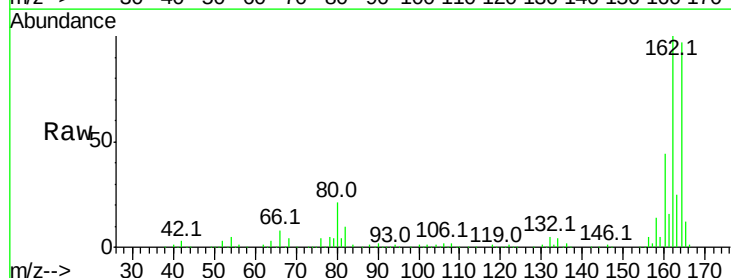
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

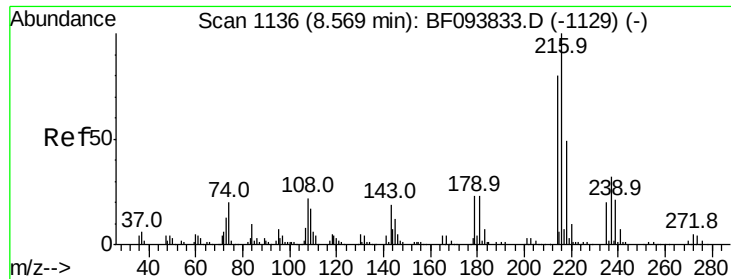
Tot Ion:142 Resp: 231825
Ion Ratio Lower Upper
142 100
141 85.7 71.3 106.9
115 31.1 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:164 Resp: 334832
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 45.4 36.2 54.2

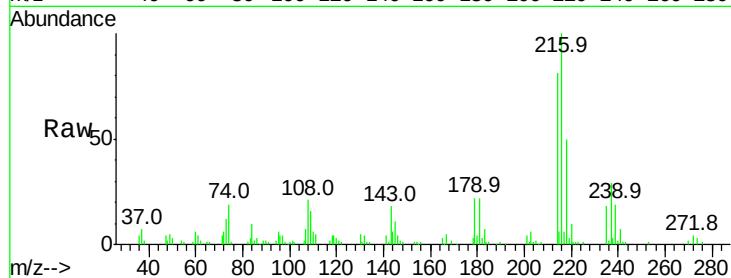




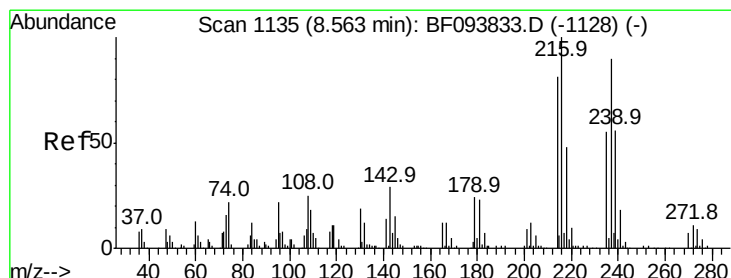
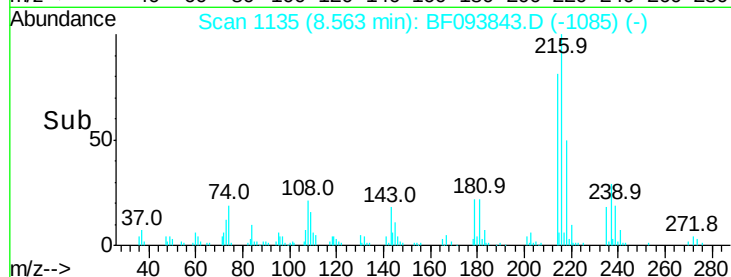
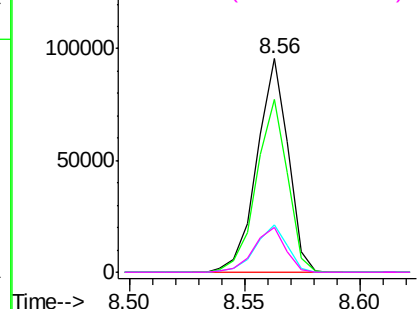
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 9.82 ng
 RT: 8.56 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

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

Tot Ion:	216	Resp:	89989
Ion	Ratio	Lower	Upper
216	100		
214	80.6	63.4	95.2
179	22.9	17.9	26.9
108	21.6	16.5	24.7

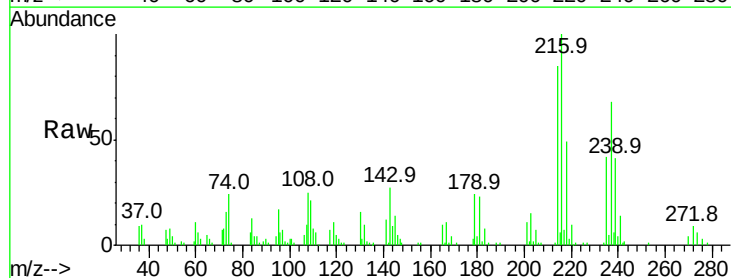


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

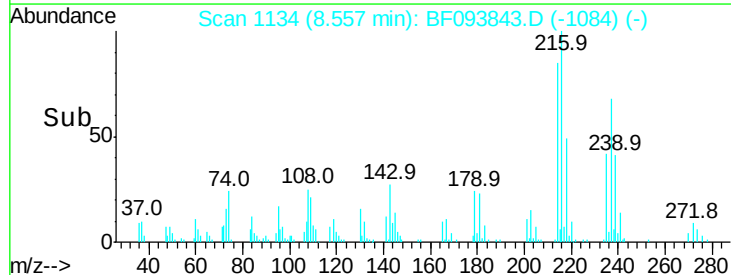
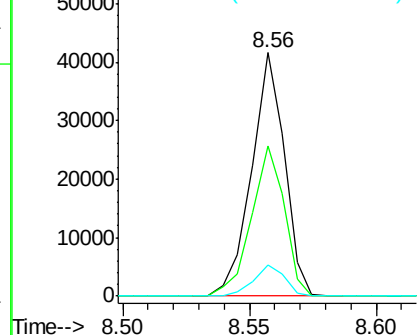


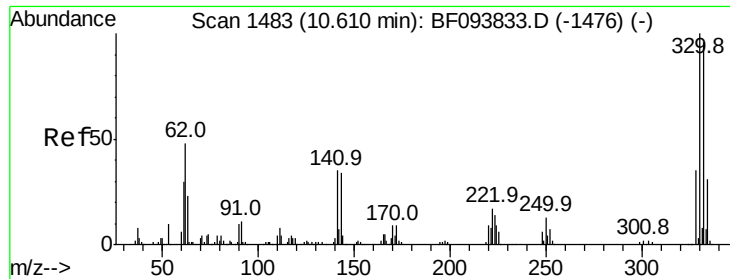
#40
 Hexachlorocyclopentadiene
 Concen: 8.81 ng
 RT: 8.56 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion:	237	Resp:	37747
Ion	Ratio	Lower	Upper
237	100		
235	61.7	42.6	82.6
272	13.0	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

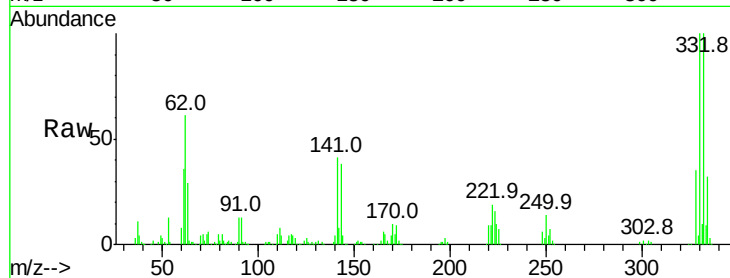




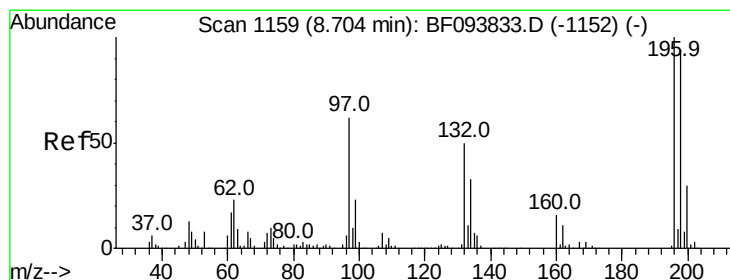
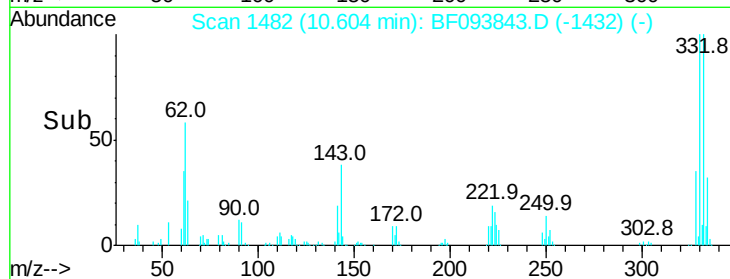
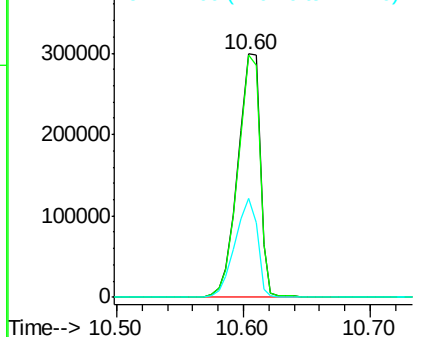
#41
 2,4,6-Tribromophenol
 Concen: 137.91 ng
 RT: 10.60 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.6	115.0
141	40.9	31.4	47.2

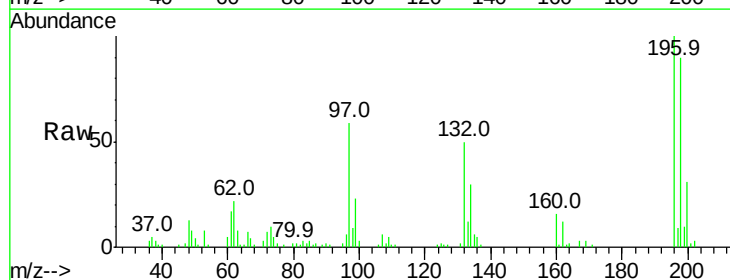


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

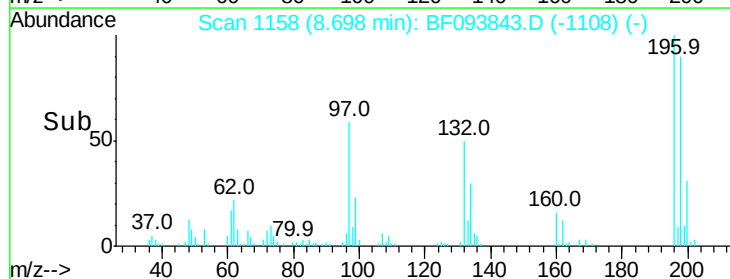
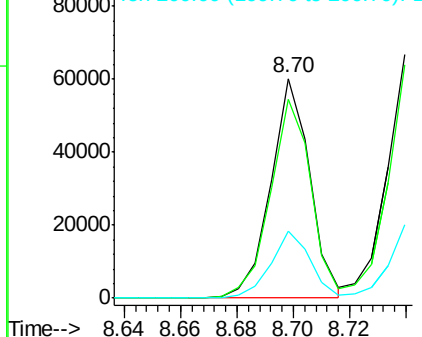


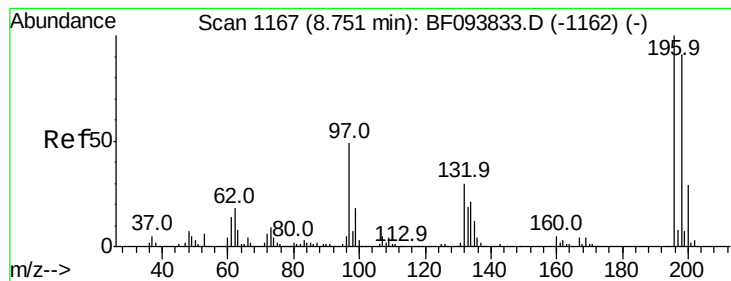
#42
 2,4,6-Trichlorophenol
 Concen: 8.93 ng
 RT: 8.70 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion	Ratio	Lower	Upper
196	100		
198	90.3	74.2	111.4
200	30.6	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: 9.35 ng

RT: 8.74 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

Tot Ion:196 Resp: 65580

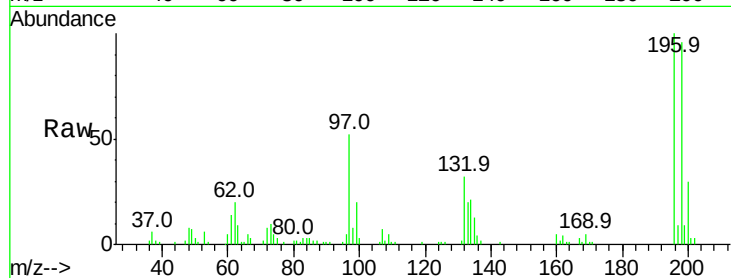
Ion Ratio Lower Upper

196 100

198 95.6 75.7 113.5

97 52.1 47.7 71.5

132 31.6 28.0 42.0

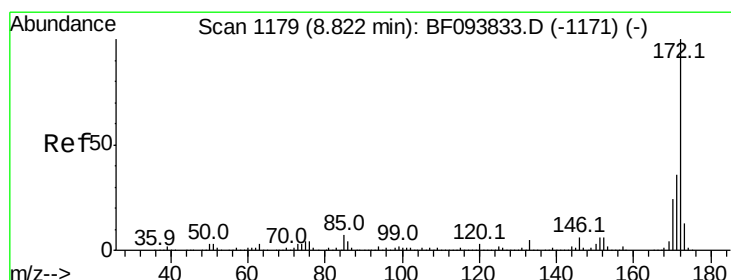
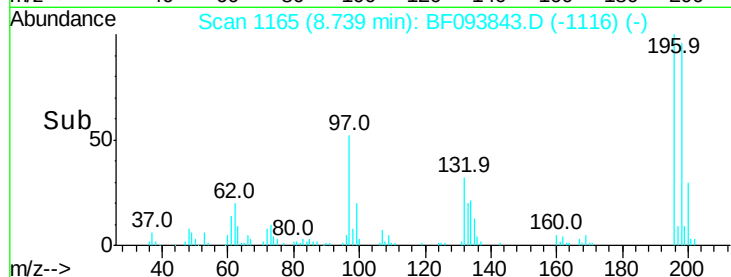
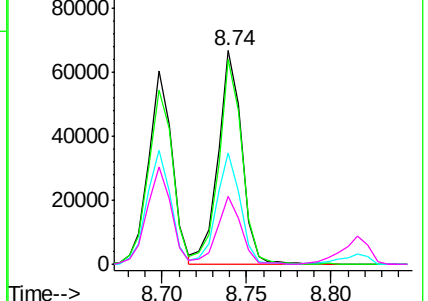


Abundance Ion 196.00 (195.70 to 196.70): E

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: 93.98 ng

RT: 8.82 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

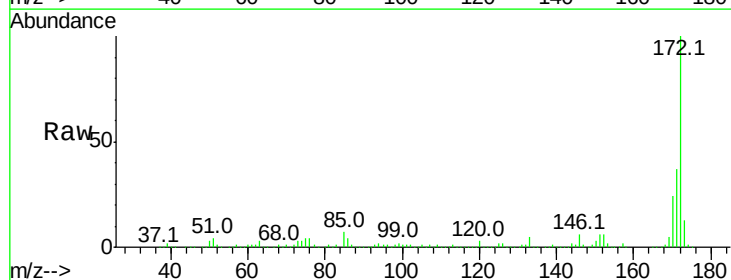
Tgt Ion:172 Resp: 2063063

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

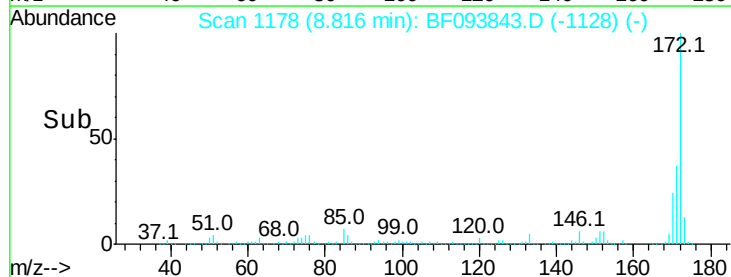
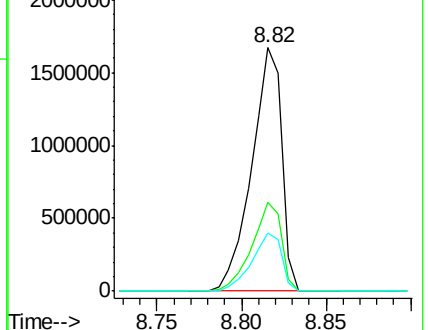
170 24.1 19.8 29.8

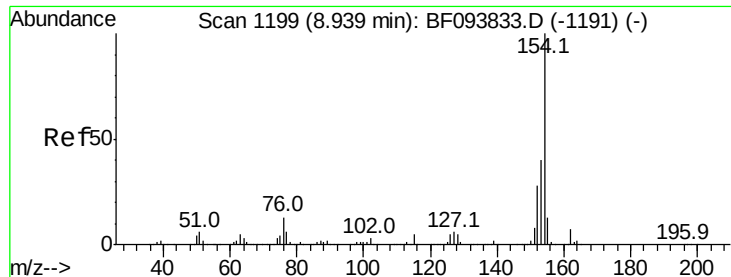


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 10.13 ng

RT: 8.93 min Scan# 1198

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

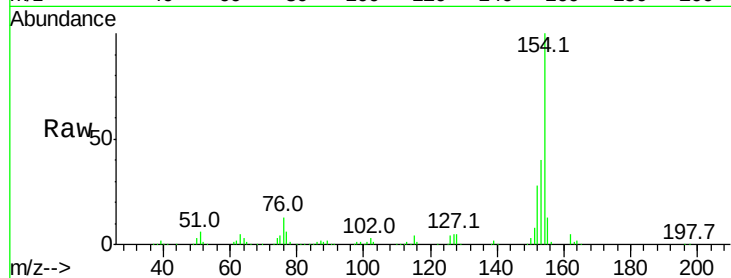
Tot Ion:154 Resp: 273468

Ion Ratio Lower Upper

154 100

153 40.4 21.2 61.2

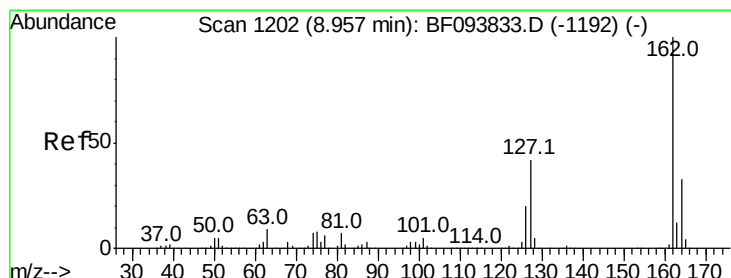
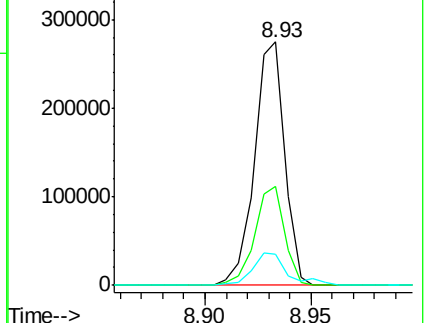
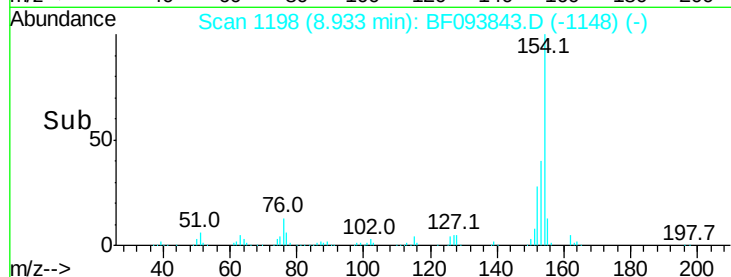
76 13.0 0.0 29.9



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: 9.66 ng

RT: 8.95 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

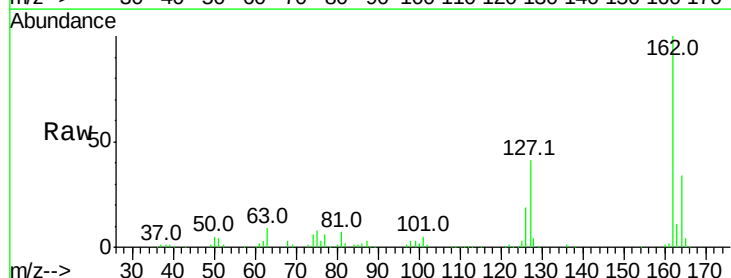
Tgt Ion:162 Resp: 204222

Ion Ratio Lower Upper

162 100

127 41.1 28.3 42.5

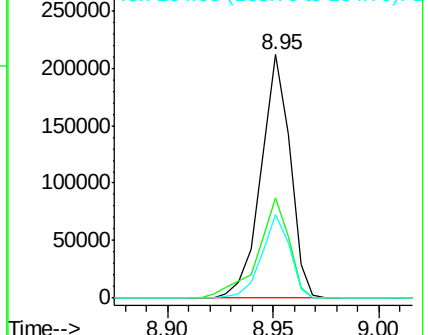
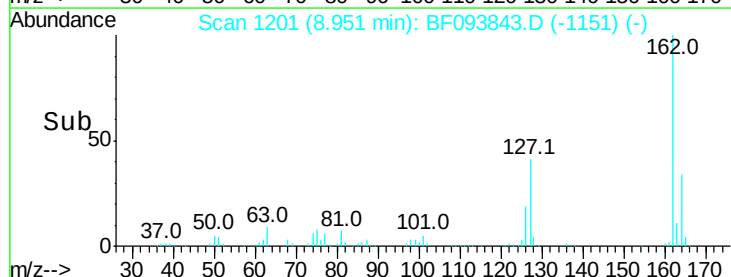
164 34.2 27.0 40.4

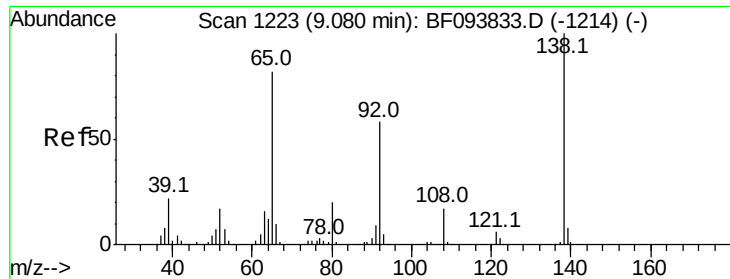


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 8.93 ng

RT: 9.07 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

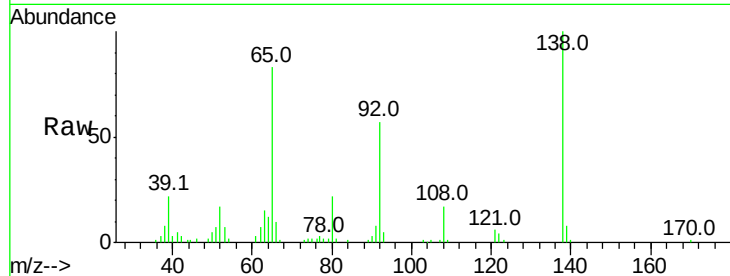
Tot Ion: 65 Resp: 56024

Ion Ratio Lower Upper

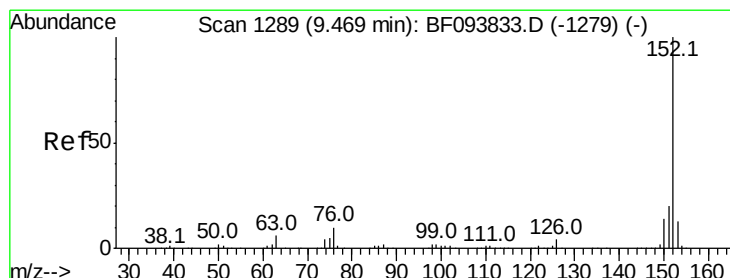
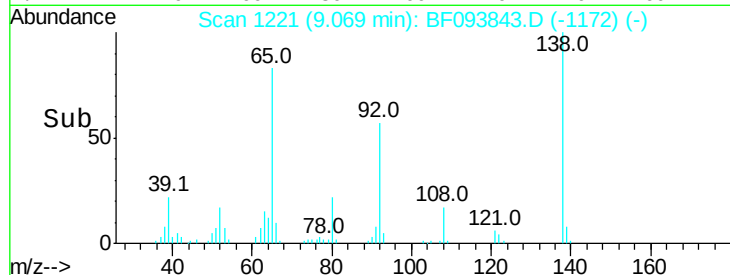
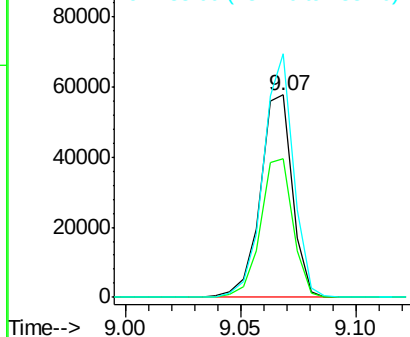
65 100

92 68.8 53.9 80.9

138 120.4 78.8 118.2#



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



#48

Acenaphthylene

Concen: 9.75 ng

RT: 9.46 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

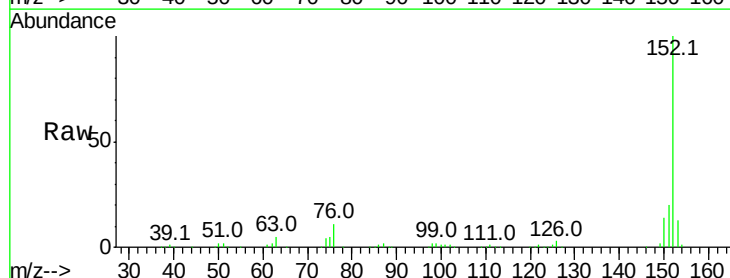
Tgt Ion: 152 Resp: 342726

Ion Ratio Lower Upper

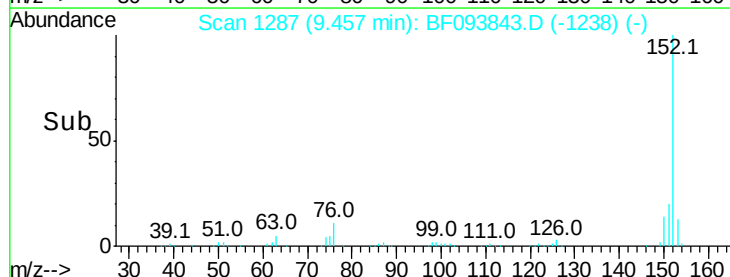
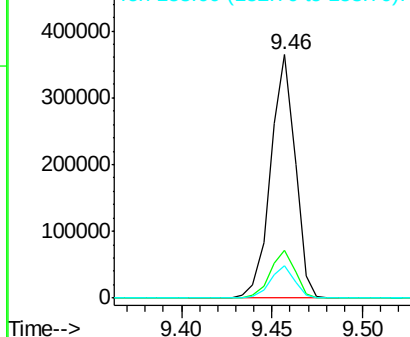
152 100

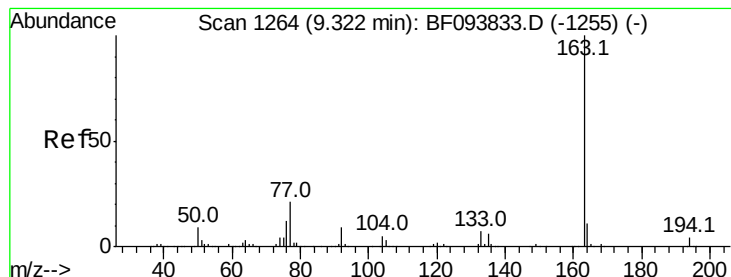
151 19.5 16.8 25.2

153 13.2 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 9.53 ng

RT: 9.31 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

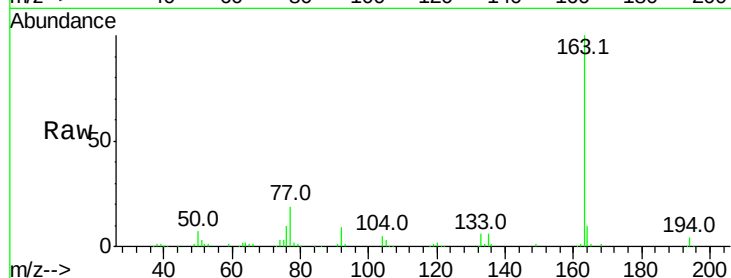
Tot Ion:163 Resp: 226845

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

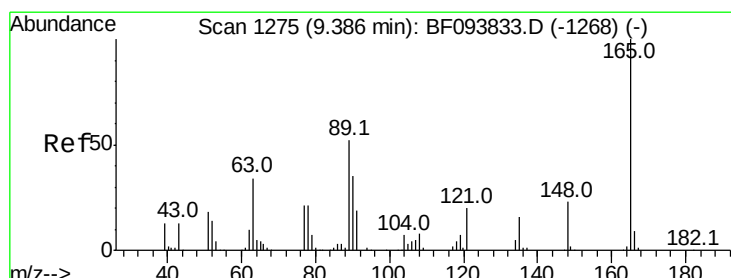
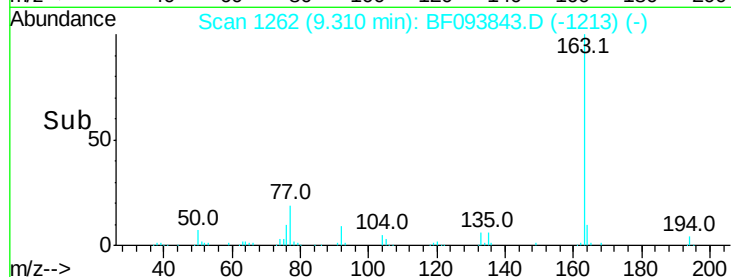
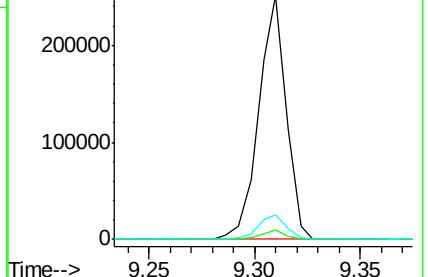
164 10.1 8.4 12.6



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: 8.87 ng

RT: 9.37 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

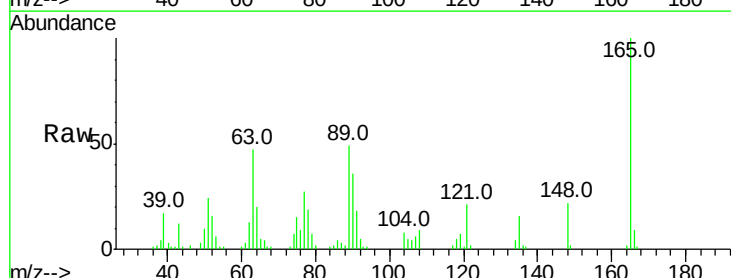
Tgt Ion:165 Resp: 48386

Ion Ratio Lower Upper

165 100

63 47.0 34.3 51.5

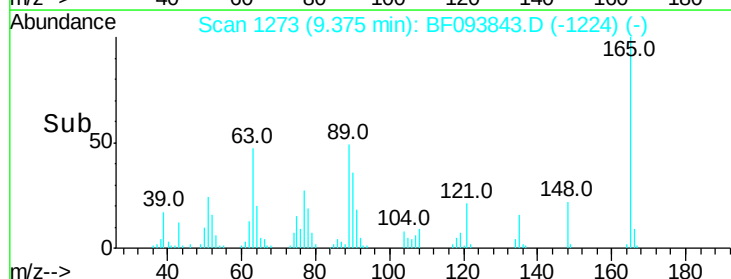
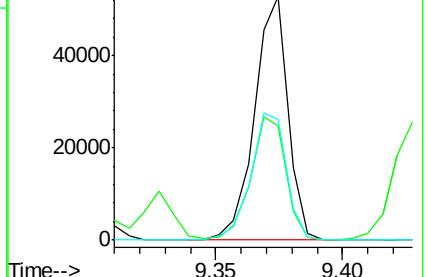
89 49.4 37.1 55.7

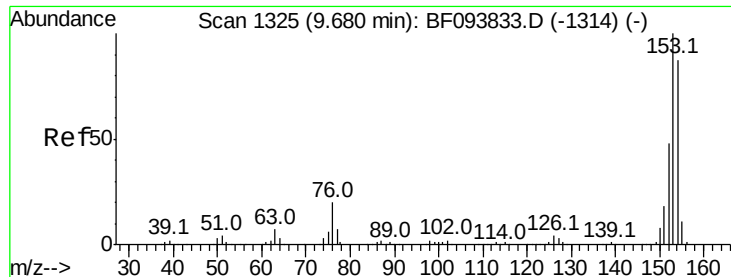


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 9.77 ng

RT: 9.67 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

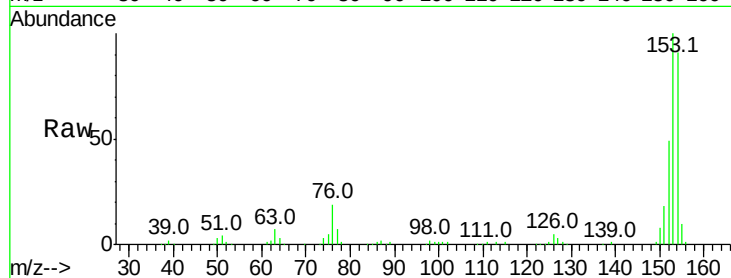
Tot Ion:154 Resp: 200353

Ion Ratio Lower Upper

154 100

153 110.0 90.5 135.7

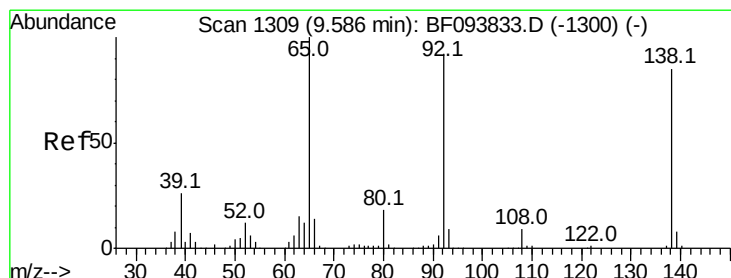
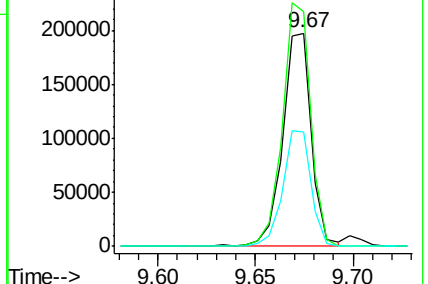
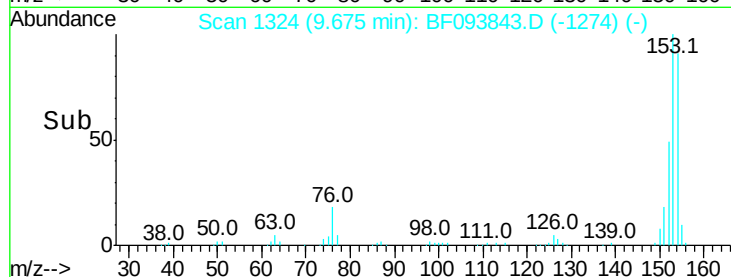
152 53.7 43.6 65.4



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: 8.71 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

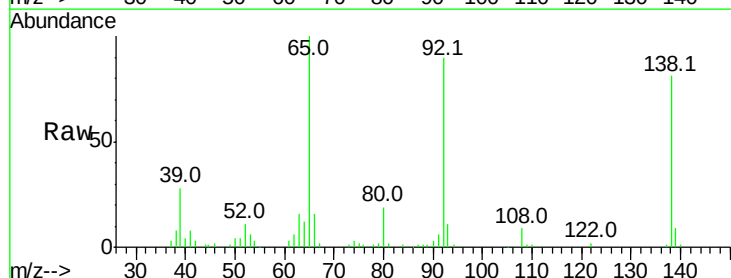
Tgt Ion:138 Resp: 55825

Ion Ratio Lower Upper

138 100

108 10.7 9.1 13.7

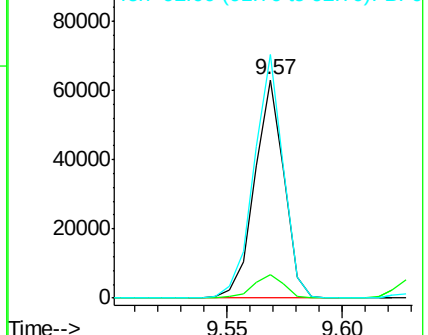
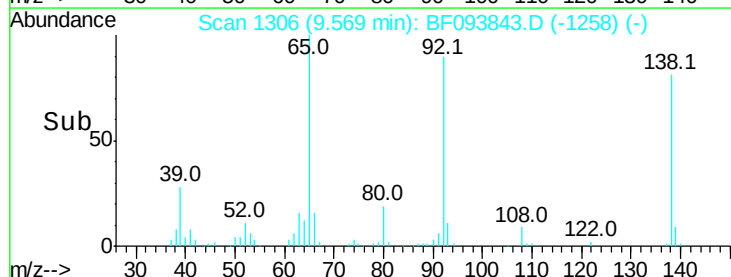
92 111.7 93.8 140.6

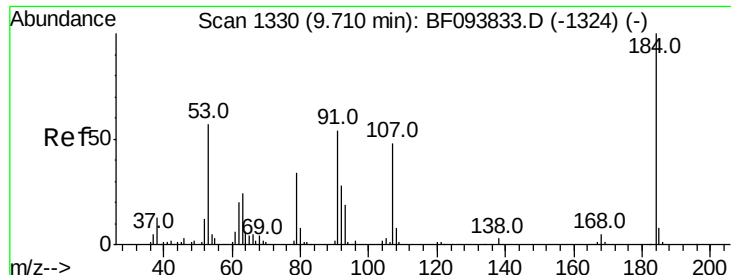


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

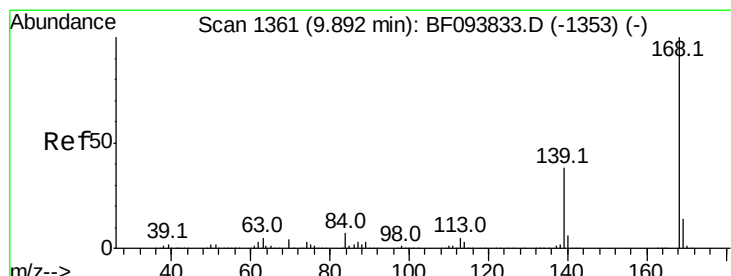
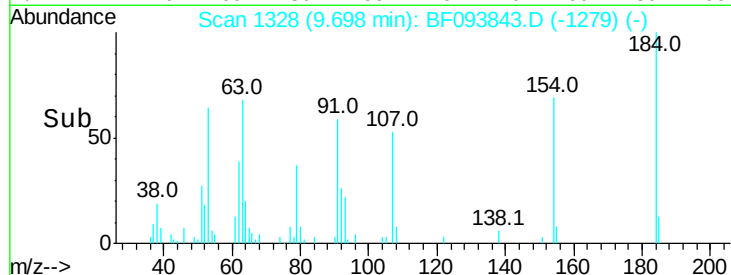
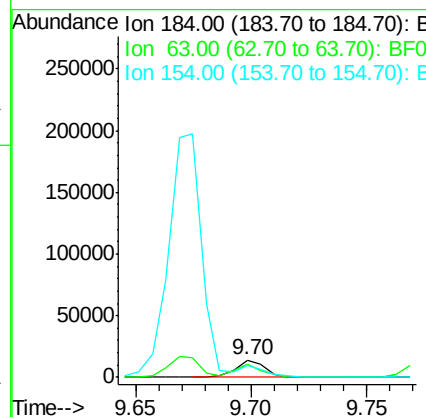
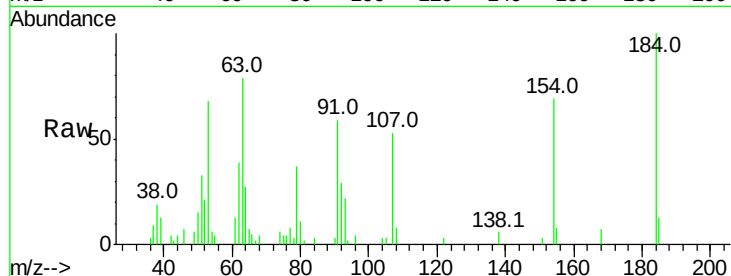




#53
 2,4-Dinitrophenol
 Concen: 8.80 ng
 RT: 9.70 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

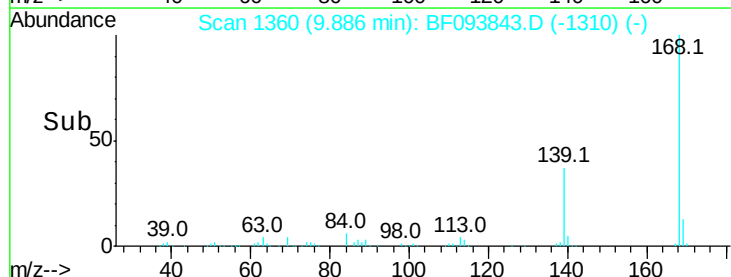
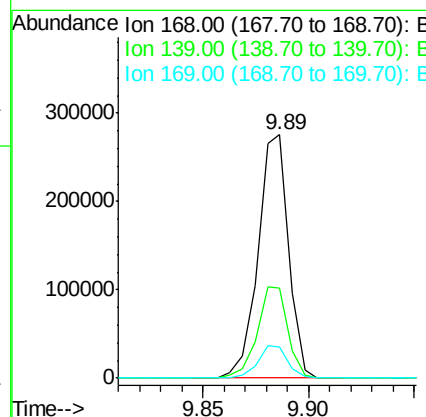
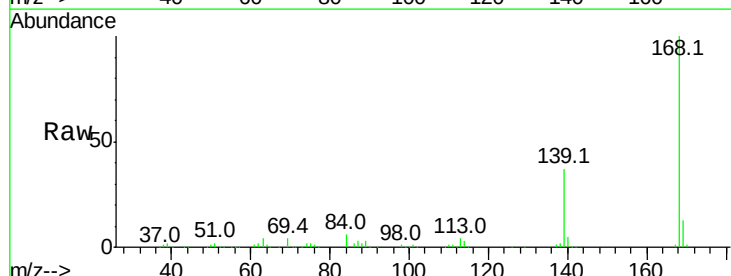
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

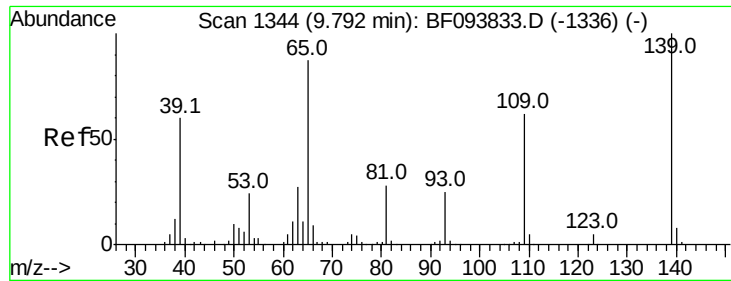
Tot Ion:184 Resp: 12822
 Ion Ratio Lower Upper
 184 100
 63 79.1 62.7 94.1
 154 68.6 81.1 121.7#



#54
 Dibenzofuran
 Concen: 9.93 ng
 RT: 9.89 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion:168 Resp: 277256
 Ion Ratio Lower Upper
 168 100
 139 36.8 30.6 45.8
 169 12.7 10.8 16.2

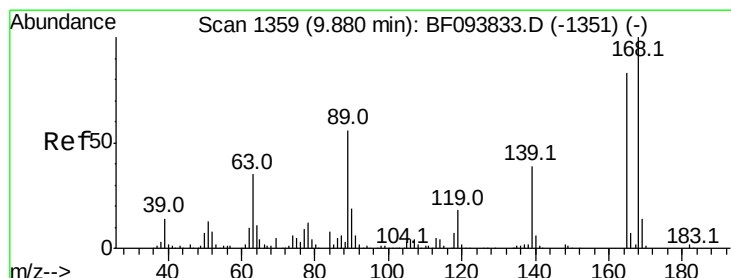
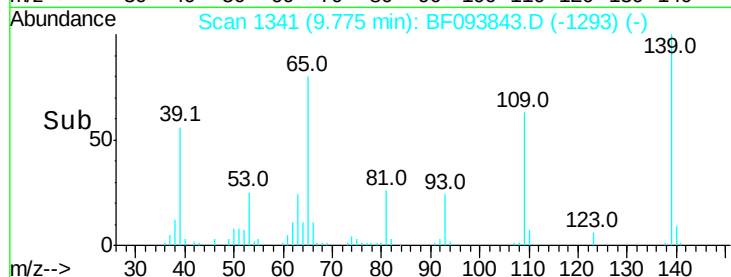
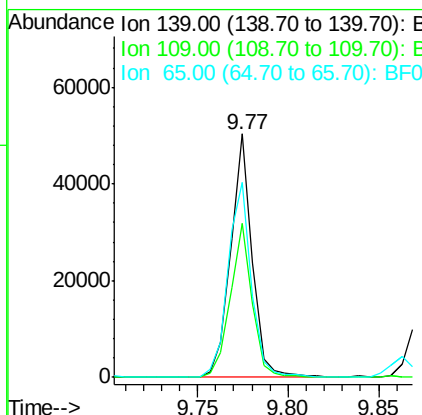
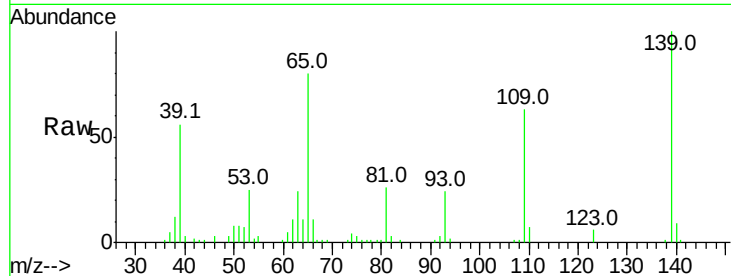




#55
4-Nitrophenol
Concen: 8.31 ng
RT: 9.77 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

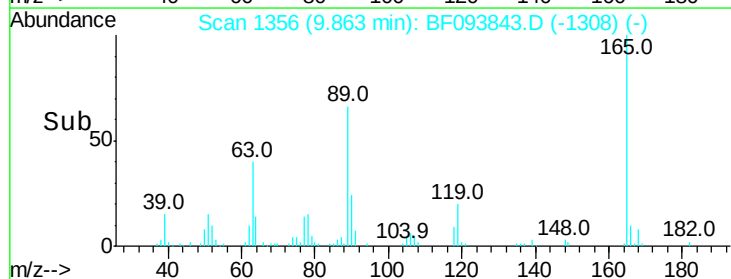
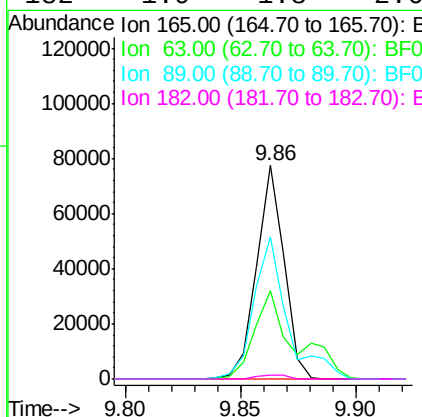
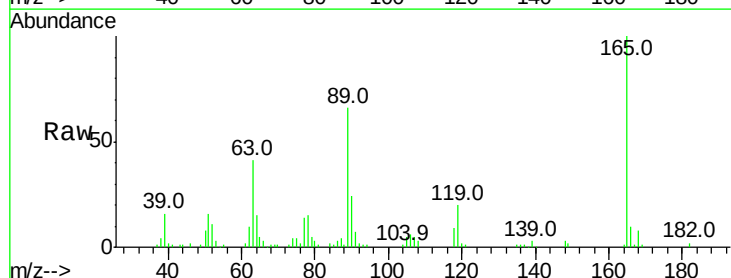
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

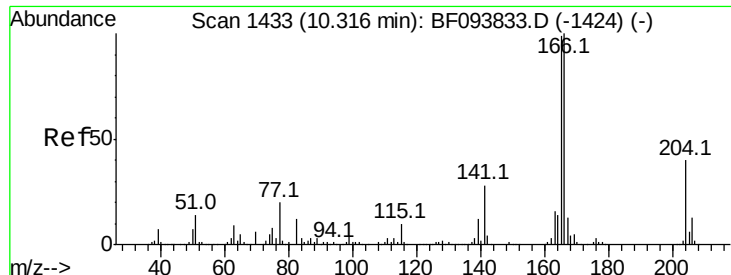
Tot Ion:139 Resp: 41701
Ion Ratio Lower Upper
139 100
109 63.1 34.1 74.1
65 80.0 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 9.45 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:165 Resp: 64776
Ion Ratio Lower Upper
165 100
63 41.4 25.4 38.0#
89 66.4 46.4 69.6
182 1.9 1.8 2.6

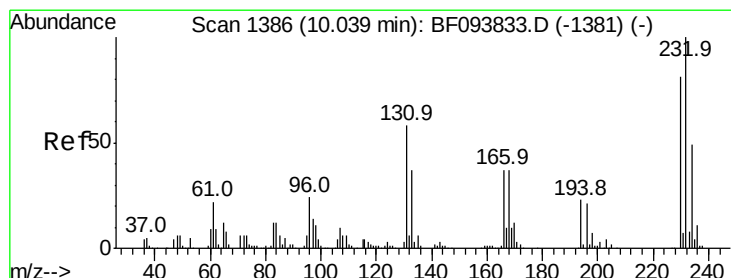
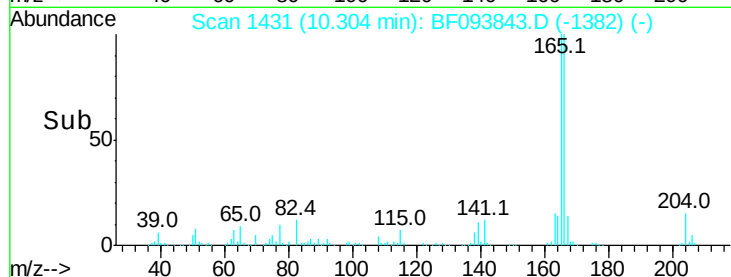
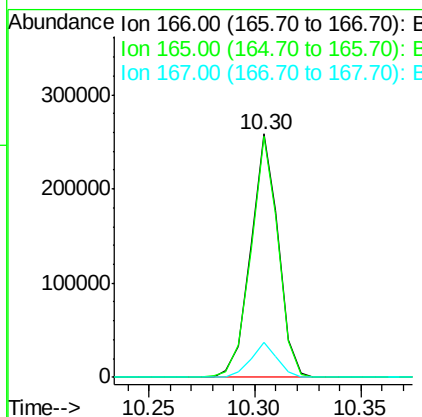
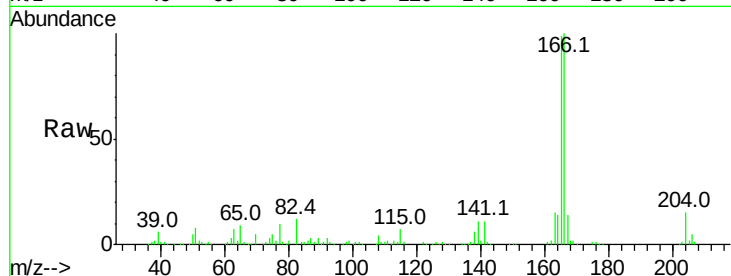




#57
Fluorene
 Concen: 10.10 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

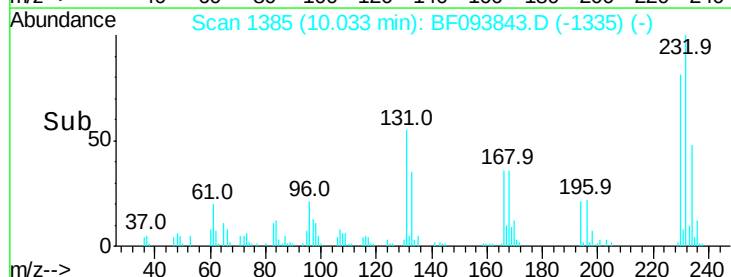
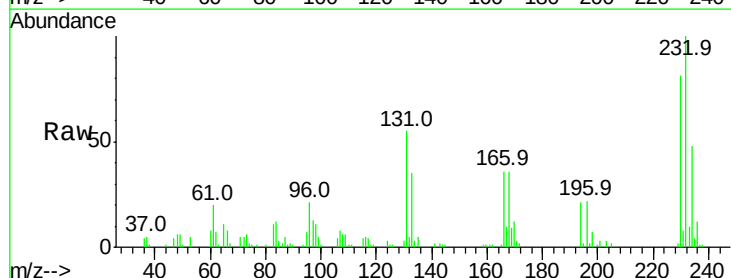
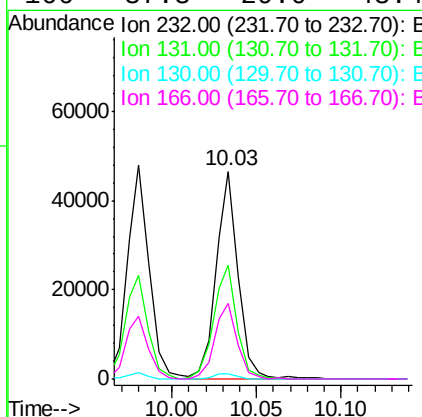
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

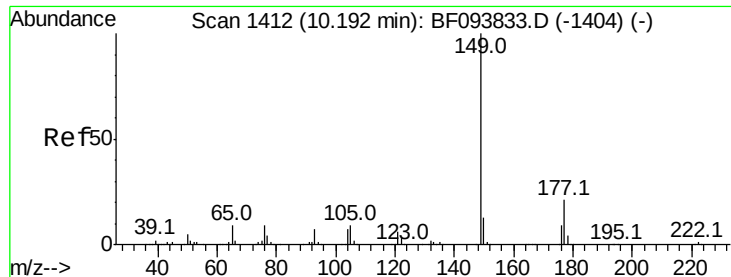
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.8	118.2
167	14.1	10.6	16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 8.85 ng
 RT: 10.03 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion	Ratio	Lower	Upper
232	100		
131	57.6	44.8	67.2
130	2.6	2.3	3.5
166	37.3	29.0	43.4

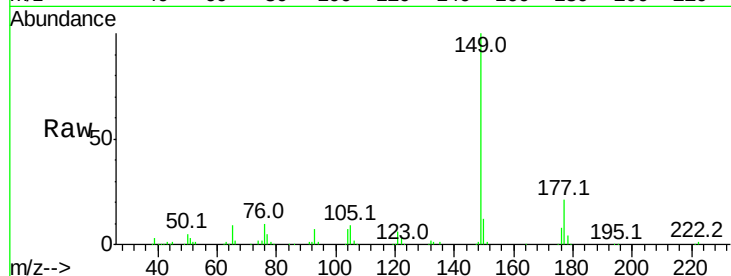




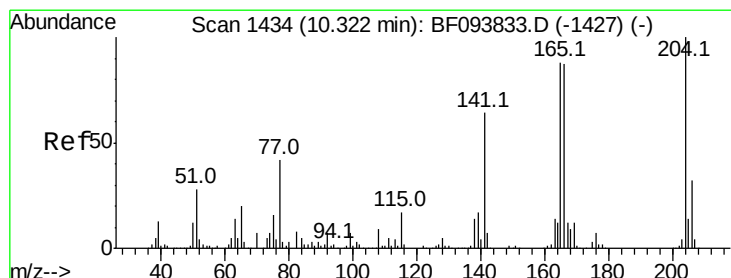
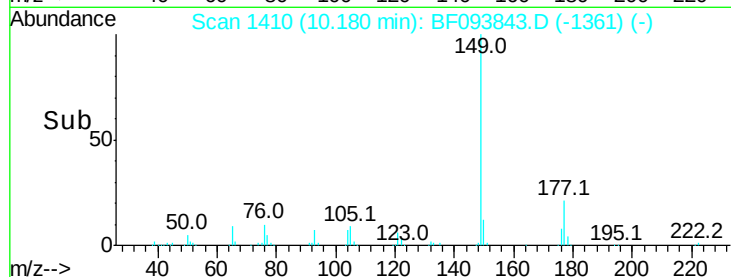
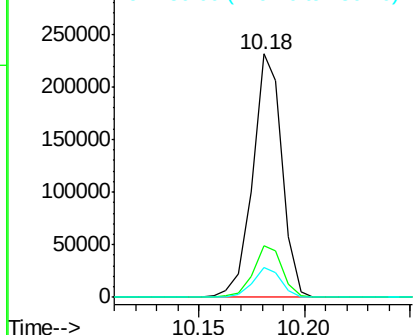
#59
Diethylphthalate
Concen: 9.48 ng
RT: 10.18 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

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

Tot Ion:149 Resp: 223005
Ion Ratio Lower Upper
149 100
177 21.4 16.7 25.1
150 12.4 10.2 15.2

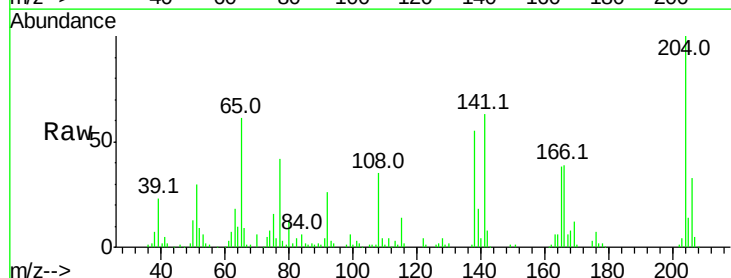


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

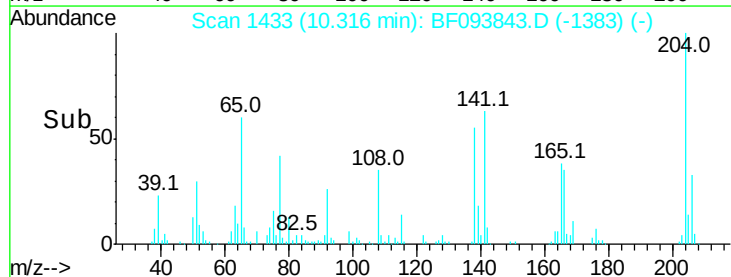
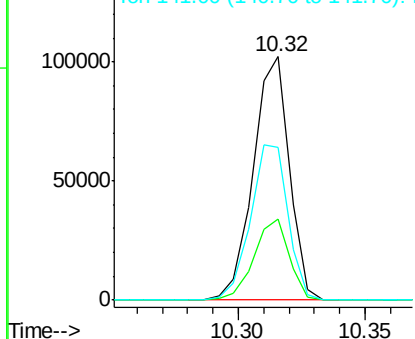


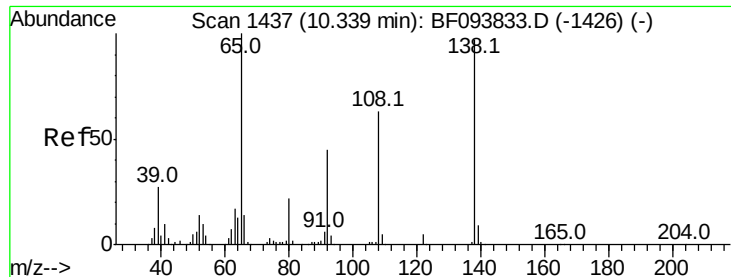
#60
4-Chlorophenyl-phenylether
Concen: 10.31 ng
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:204 Resp: 101640
Ion Ratio Lower Upper
204 100
206 33.2 26.2 39.2
141 62.6 60.8 91.2



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





#61

4-Nitroaniline

Concen: 8.54 ng

RT: 10.32 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

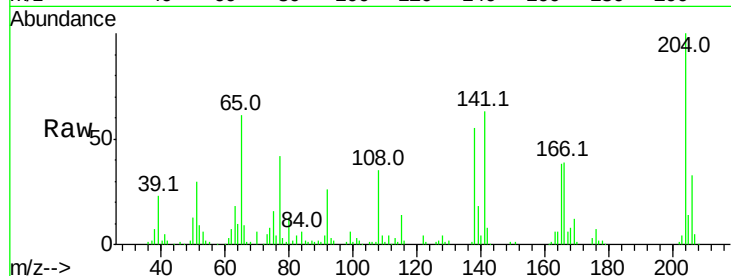
Tot Ion:138 Resp: 52529

Ion Ratio Lower Upper

138 100

92 47.8 21.8 61.8

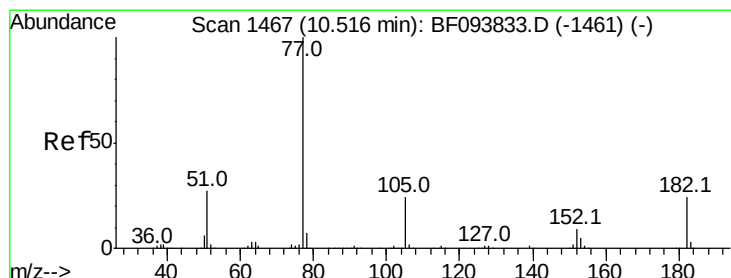
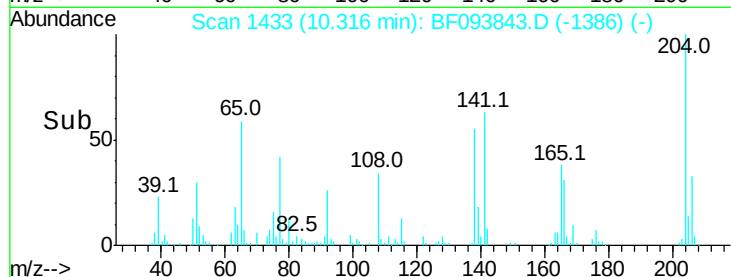
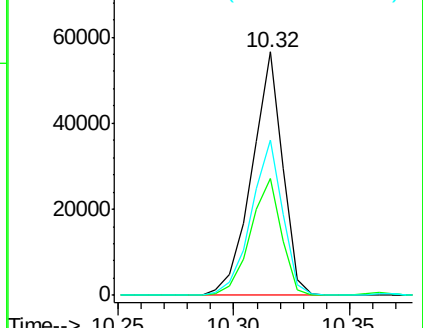
108 63.8 42.3 82.3



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: 9.55 ng

RT: 10.51 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Tgt Ion: 77 Resp: 212541

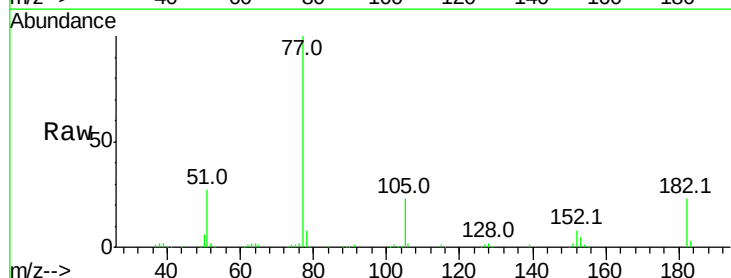
Ion Ratio Lower Upper

77 100

182 22.9 0.1 40.1

105 23.2 3.6 43.6

51 27.2 9.4 49.4

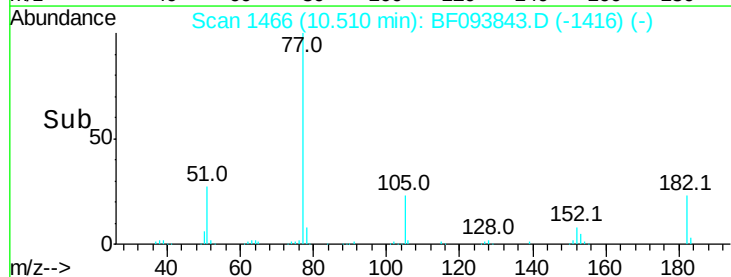
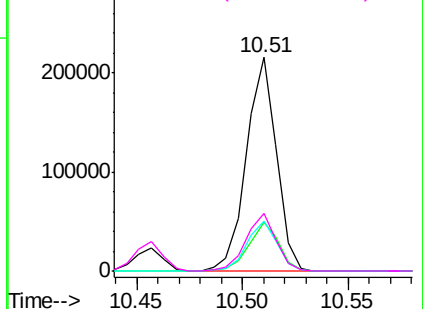


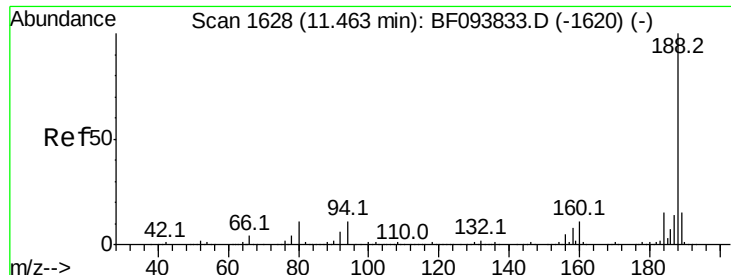
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

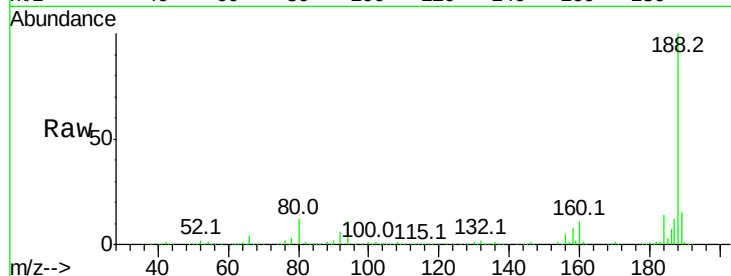
Tot Ion:188 Resp: 587926

Ion Ratio Lower Upper

188 100

94 11.2 9.4 14.2

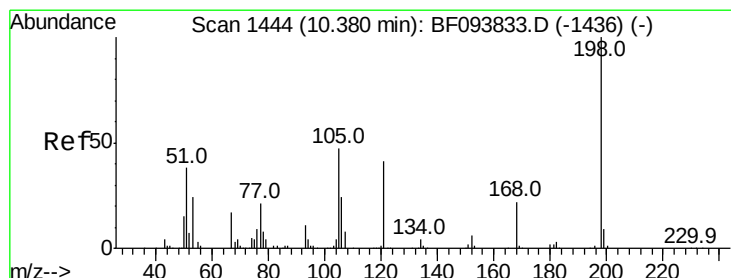
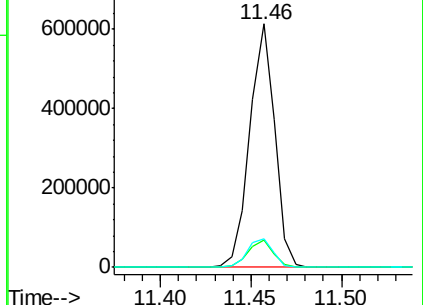
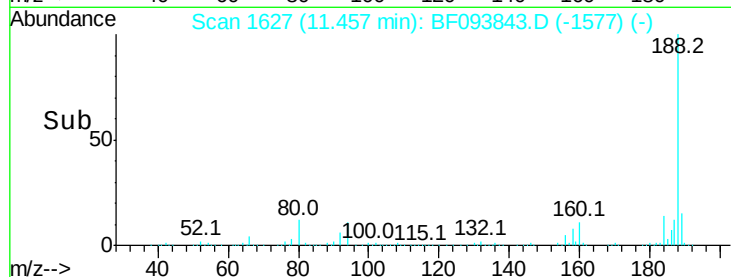
80 11.9 10.2 15.2



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: 6.54 ng

RT: 10.36 min Scan# 1441

Delta R.T. -0.02 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

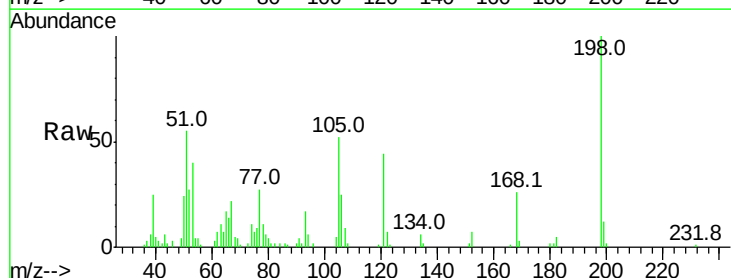
Tgt Ion:198 Resp: 23547

Ion Ratio Lower Upper

198 100

51 54.7 53.2 93.2

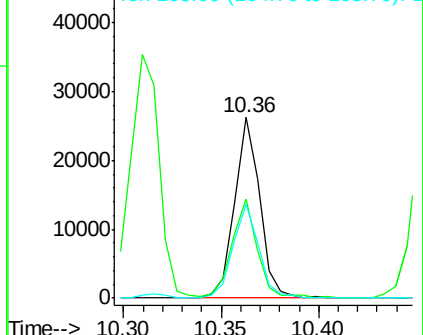
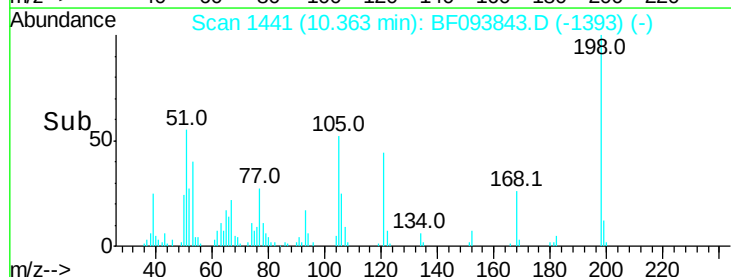
105 52.2 45.8 85.8

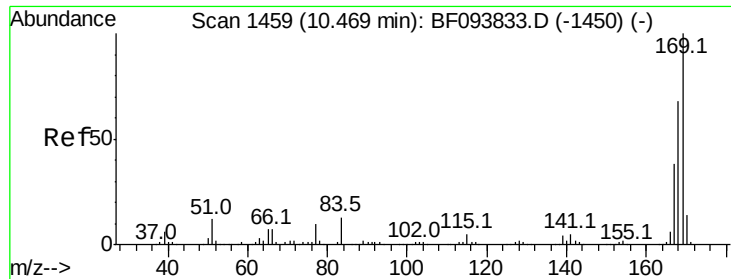


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

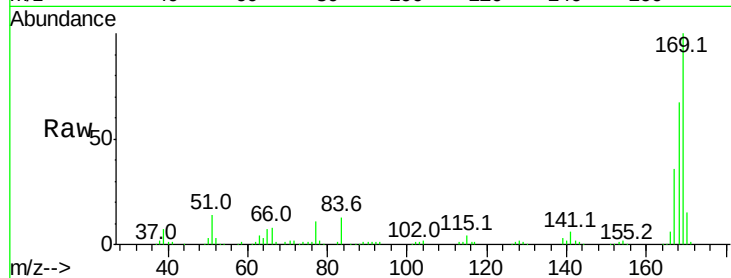




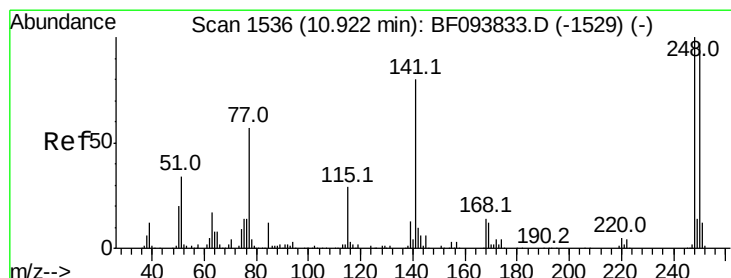
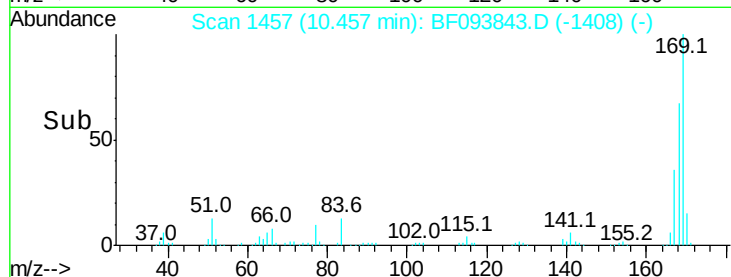
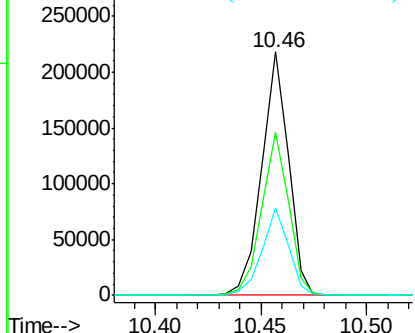
#65
 n-Nitrosodiphenylamine
 Concen: 9.54 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

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

Tot Ion:169 Resp: 193994
 Ion Ratio Lower Upper
 169 100
 168 67.0 53.2 79.8
 167 36.1 29.5 44.3

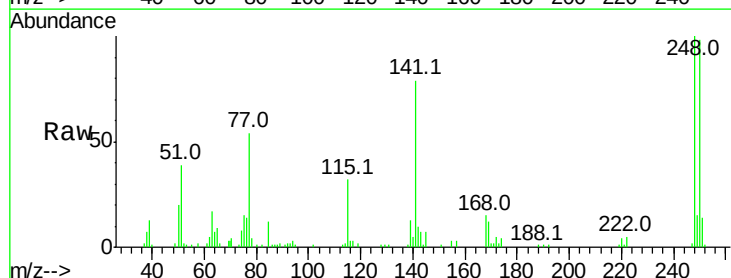


Abundance Ion 169.00 (168.70 to 169.70): E
 Ion 168.00 (167.70 to 168.70): E
 Ion 167.00 (166.70 to 167.70): E

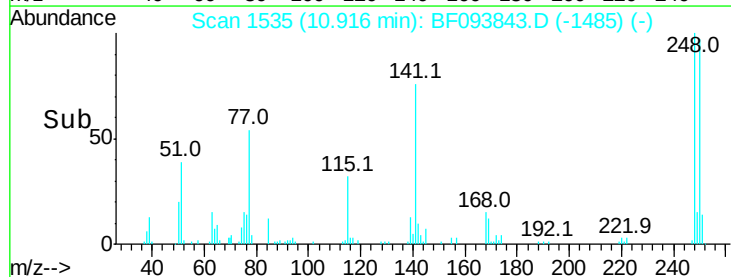
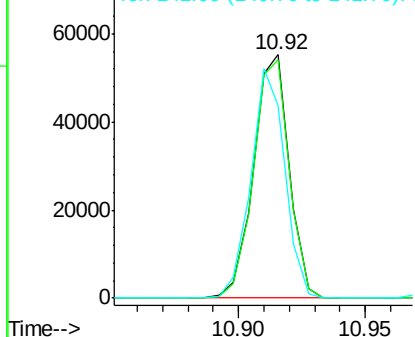


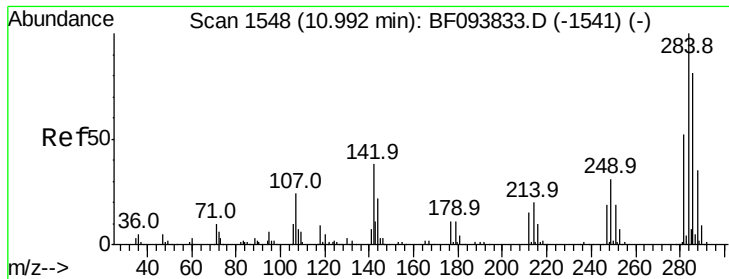
#66
 4-Bromophenyl-phenylether
 Concen: 9.25 ng
 RT: 10.92 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion:248 Resp: 53468
 Ion Ratio Lower Upper
 248 100
 250 98.1 76.8 115.2
 141 79.1 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: 9.21 ng

RT: 10.98 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

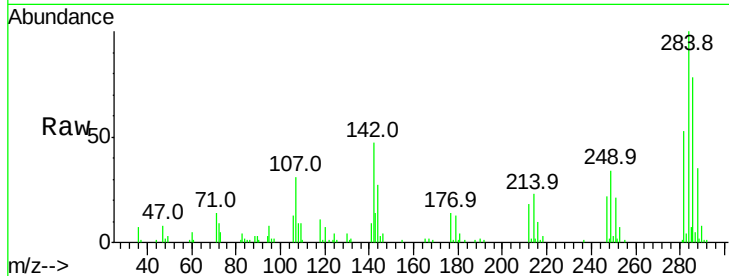
Tot Ion:284 Resp: 53904

Ion Ratio Lower Upper

284 100

142 46.8 22.8 34.2#

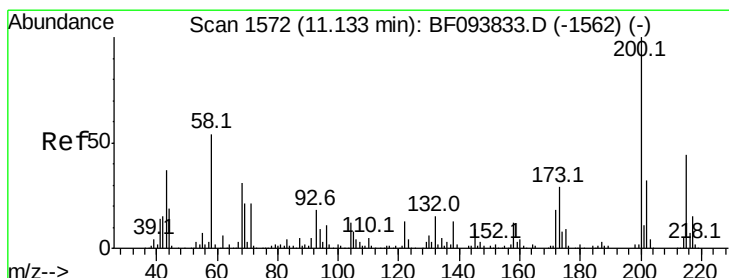
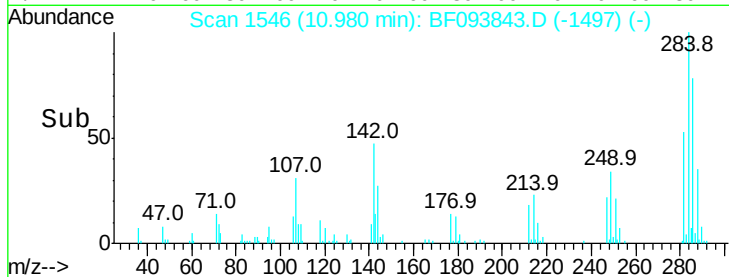
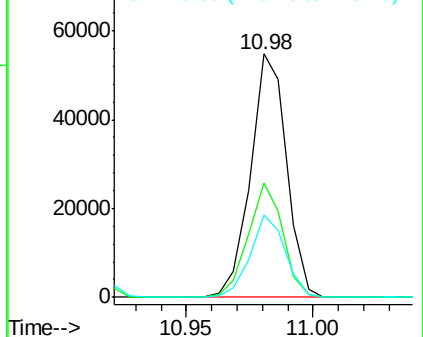
249 33.6 24.0 36.0



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: 9.21 ng

RT: 11.12 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

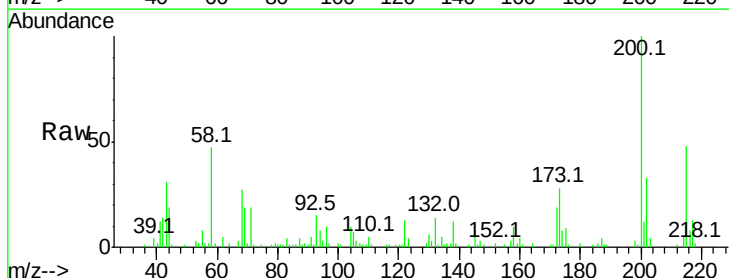
Tgt Ion:200 Resp: 56095

Ion Ratio Lower Upper

200 100

173 27.6 6.3 46.3

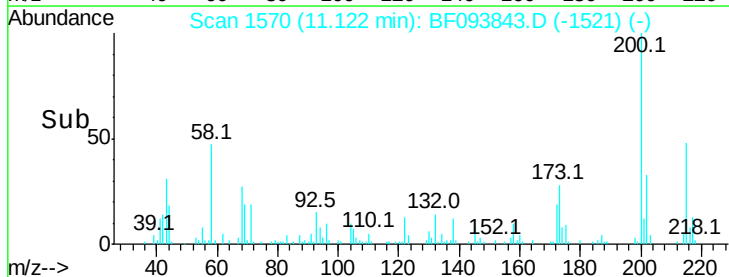
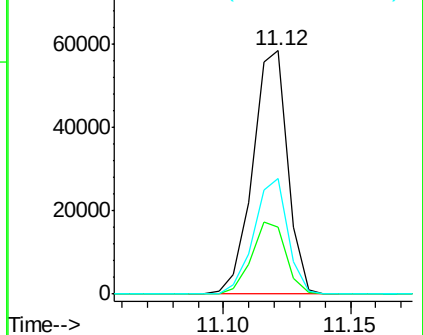
215 47.6 27.2 67.2

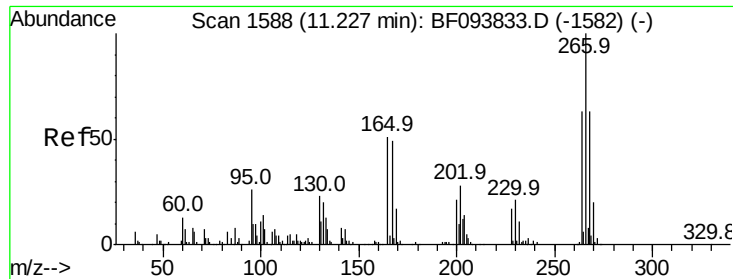


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 7.62 ng

RT: 11.22 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

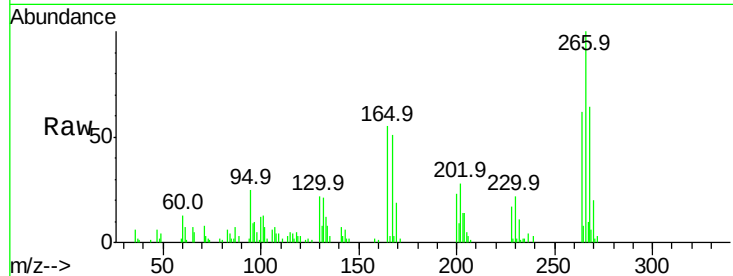
Tot Ion:266 Resp: 27753

Ion Ratio Lower Upper

266 100

268 63.5 51.1 76.7

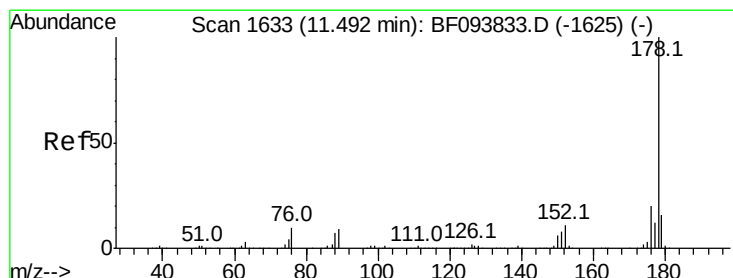
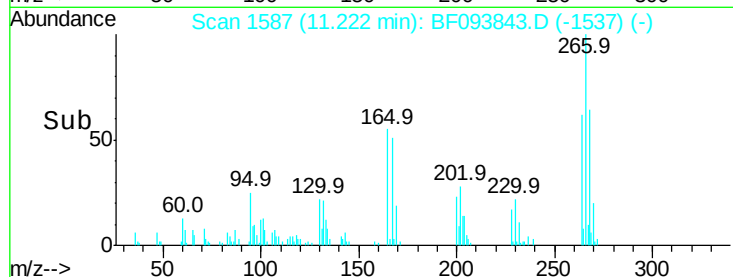
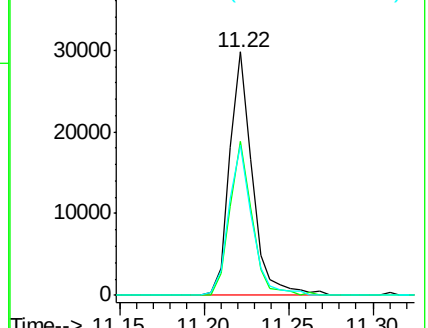
264 61.6 51.7 77.5



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: 9.89 ng

RT: 11.49 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

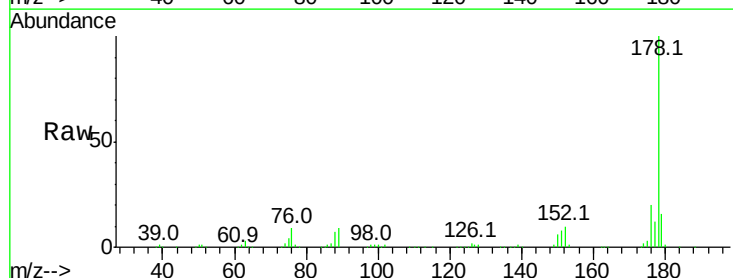
Tgt Ion:178 Resp: 323405

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

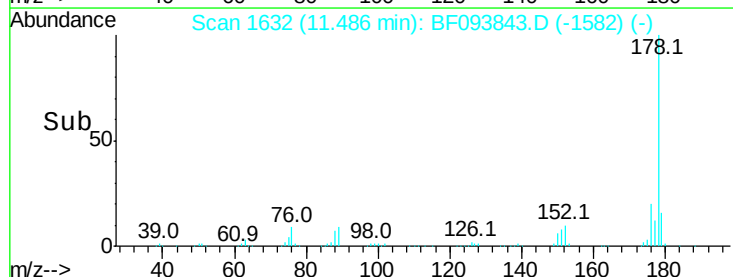
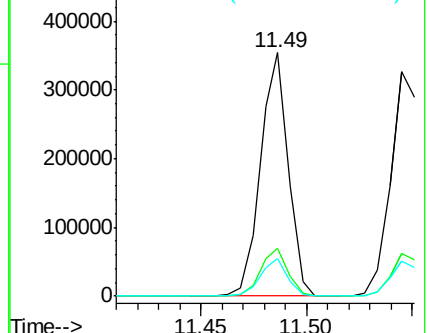
179 15.5 12.6 19.0

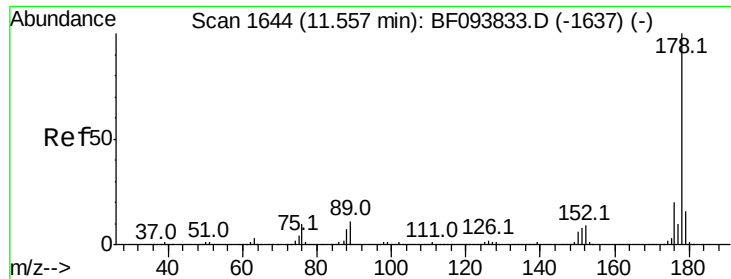


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

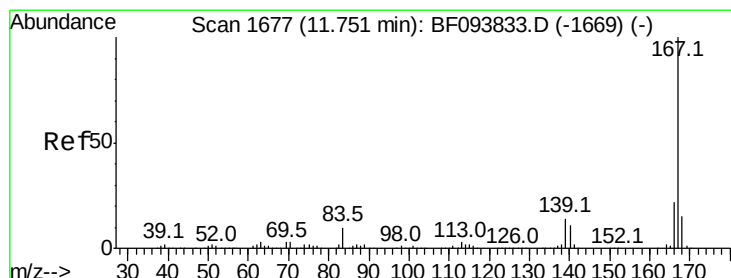
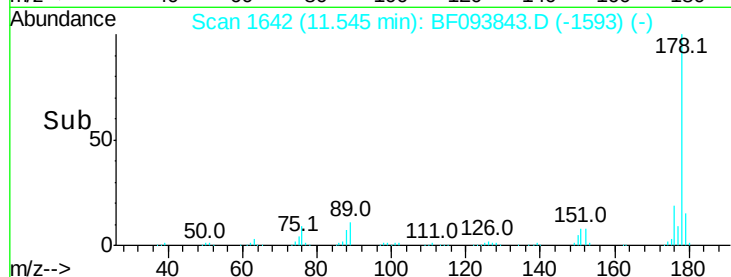
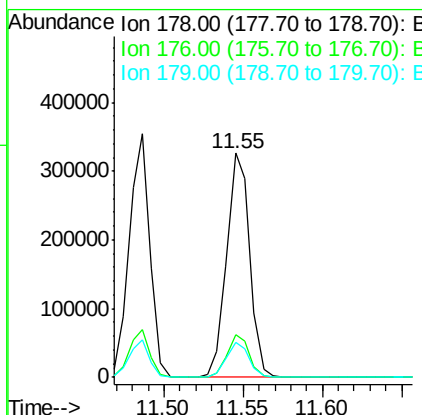
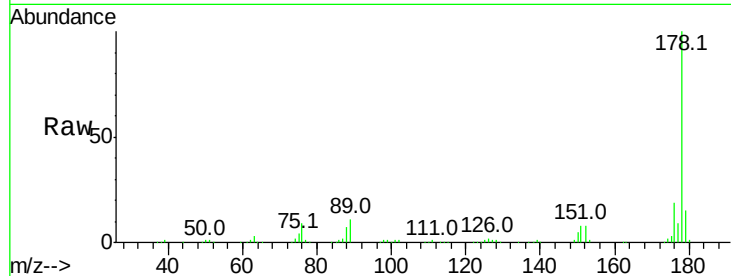




#71
 Anthracene
 Concen: 9.73 ng
 RT: 11.55 min Scan# 1642
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

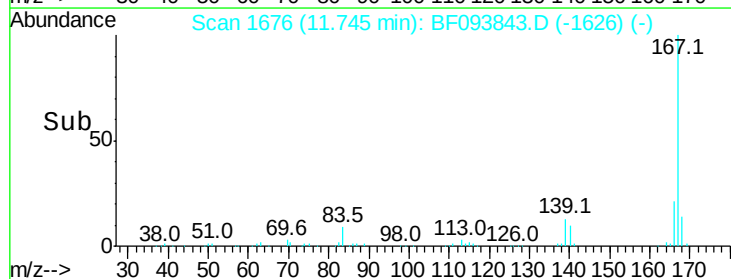
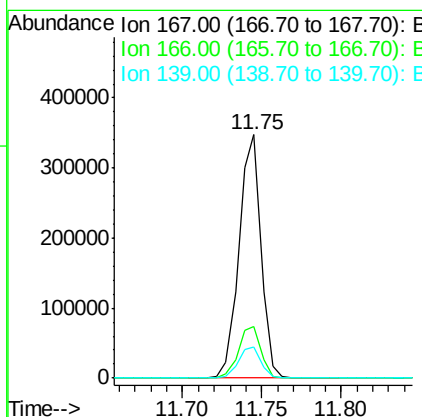
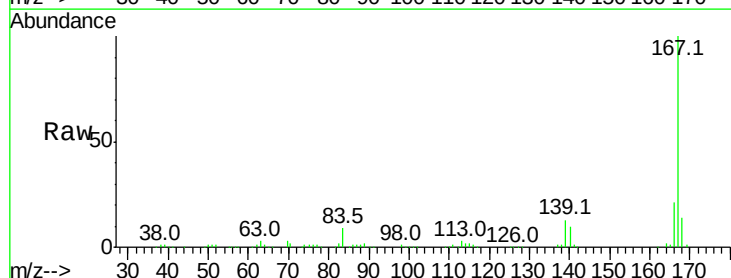
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

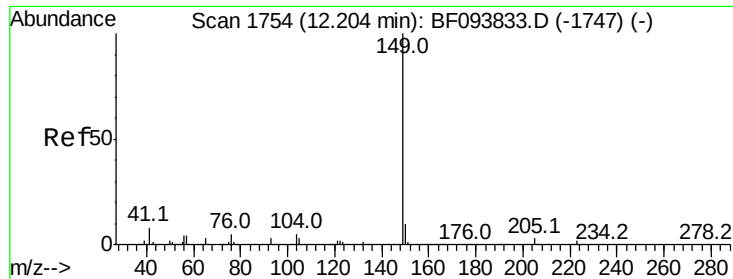
Tot Ion:178 Resp: 327497
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.5 12.7 19.1



#72
 Carbazole
 Concen: 9.63 ng
 RT: 11.75 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion:167 Resp: 332458
 Ion Ratio Lower Upper
 167 100
 166 21.3 18.1 27.1
 139 12.8 11.7 17.5

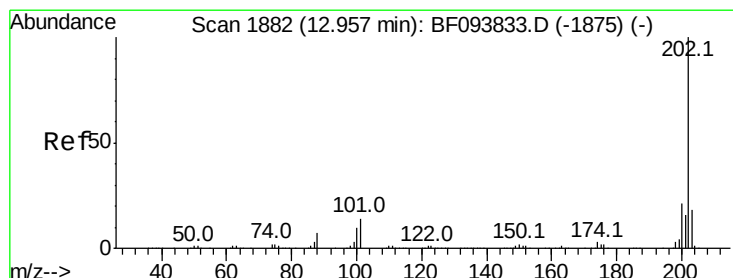
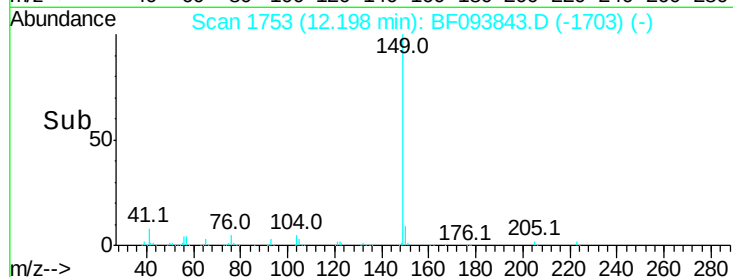
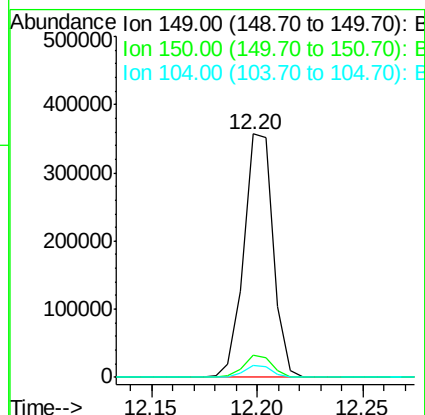
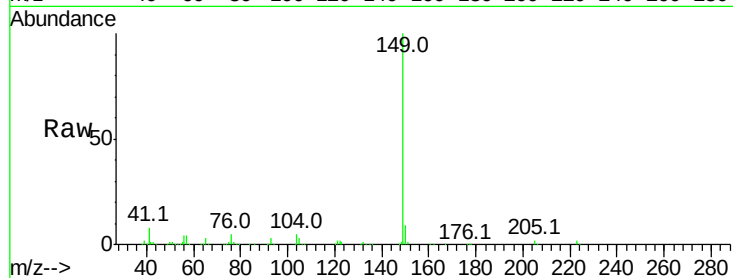




#73
Di-n-butylphthalate
Concen: 9.55 ng
RT: 12.20 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

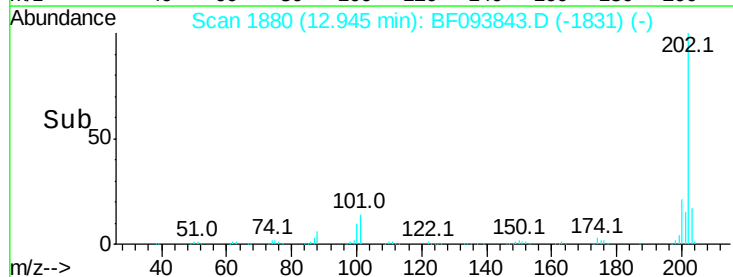
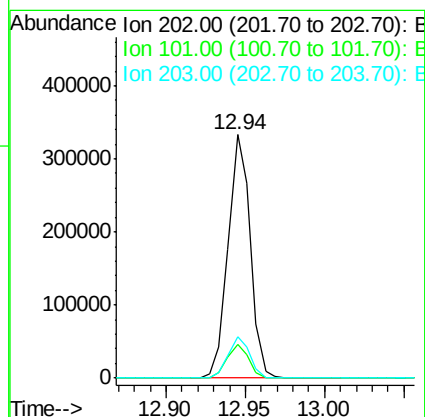
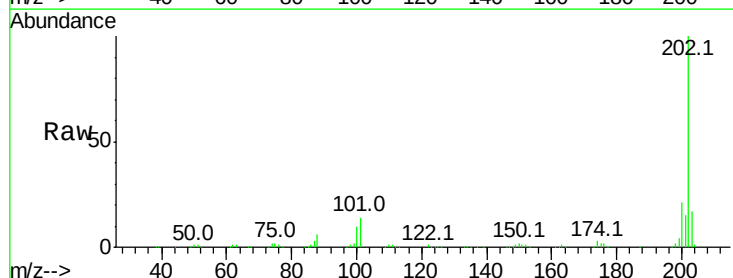
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

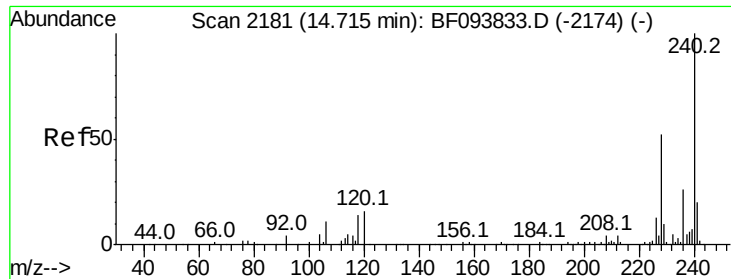
Tot Ion:149 Resp: 342823
Ion Ratio Lower Upper
149 100
150 9.3 7.7 11.5
104 4.7 4.0 6.0



#74
Fluoranthene
Concen: 9.64 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:202 Resp: 322682
Ion Ratio Lower Upper
202 100
101 13.8 0.0 33.2
203 16.9 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: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

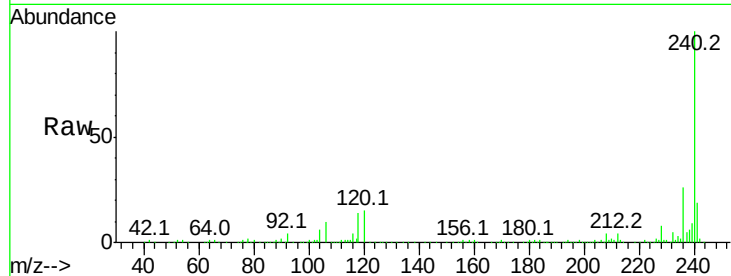
Tot Ion:240 Resp: 499136

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

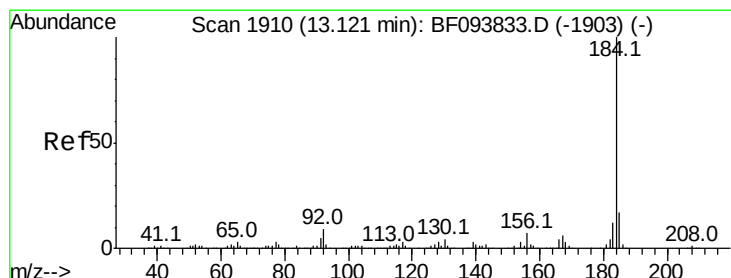
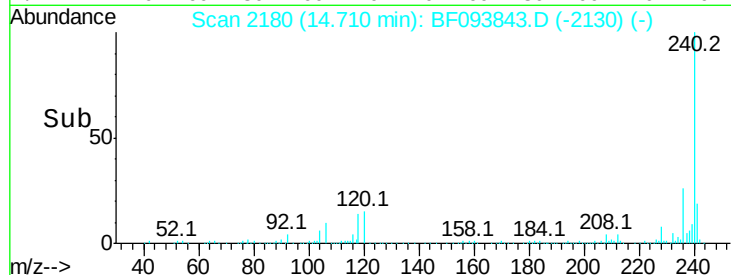
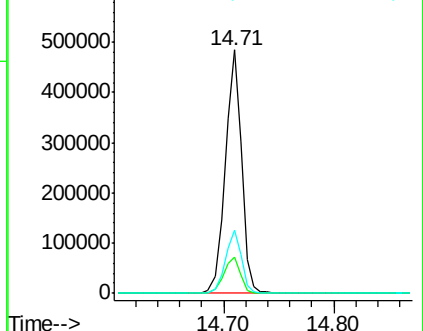
236 26.1 20.5 30.7



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: 8.41 ng

RT: 13.11 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

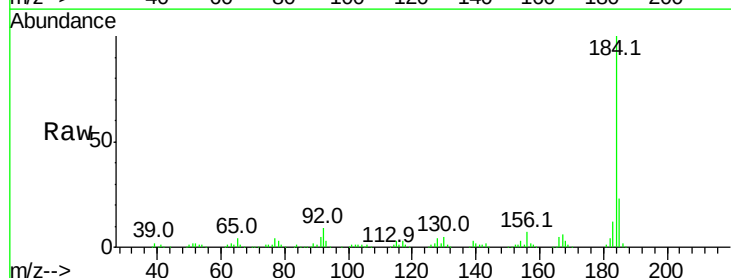
Tgt Ion:184 Resp: 166061

Ion Ratio Lower Upper

184 100

185 22.9 15.5 23.3

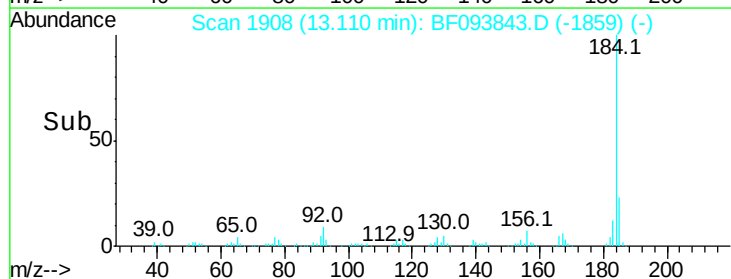
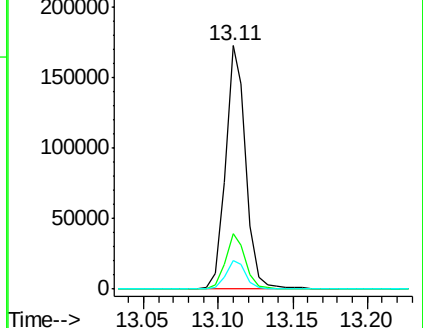
183 11.6 9.8 14.6

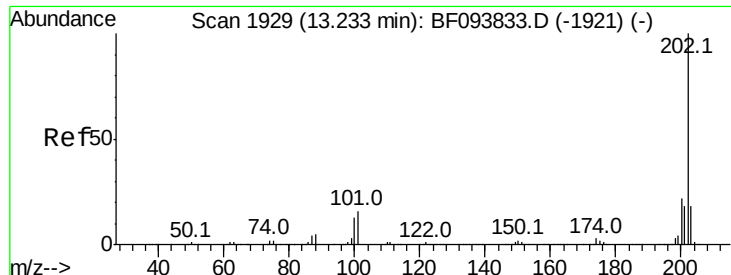


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

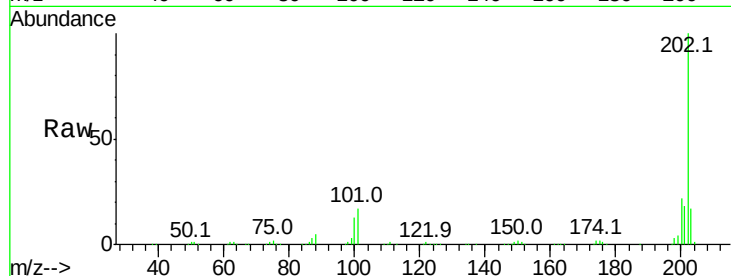




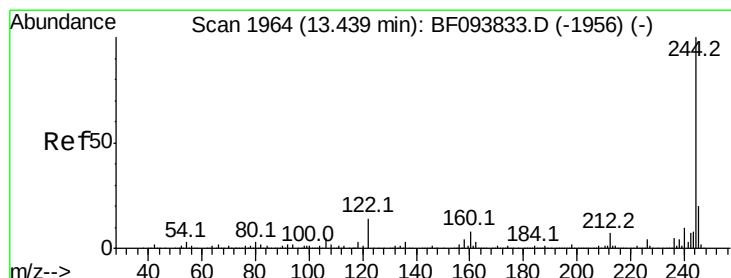
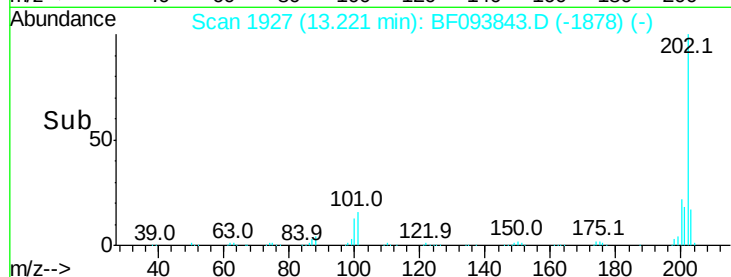
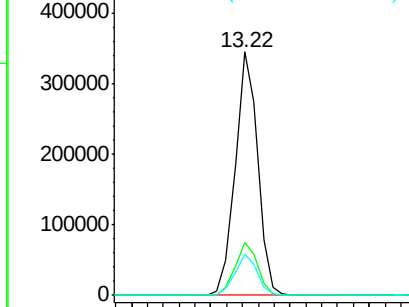
#77
Pvrene
Concen: 9.31 ng
RT: 13.22 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

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

Tot Ion:202 Resp: 337341
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 17.1 14.4 21.6

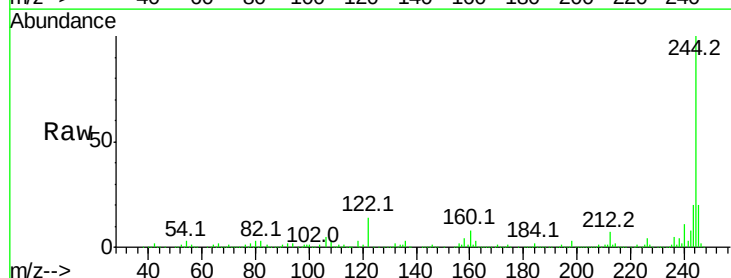


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

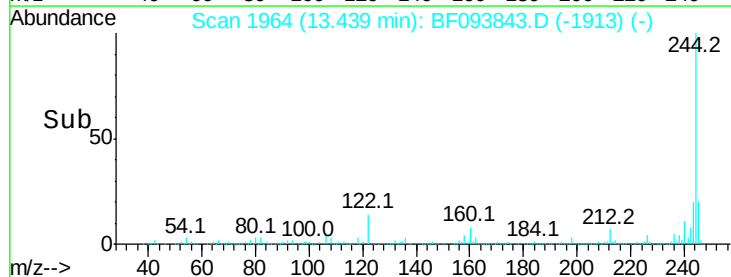
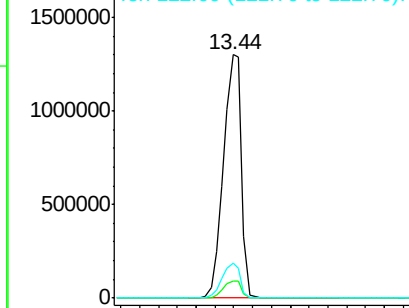


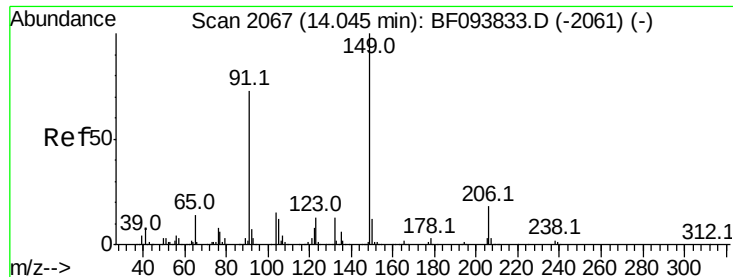
#78
Terphenyl-d14
Concen: 77.48 ng
RT: 13.44 min Scan# 1964
Delta R.T. 0.00 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:244 Resp: 1725437
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 14.2 10.3 15.5



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

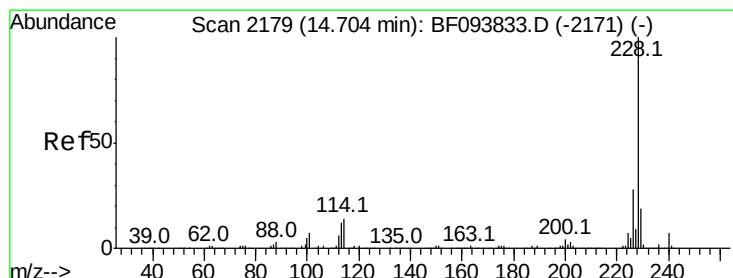
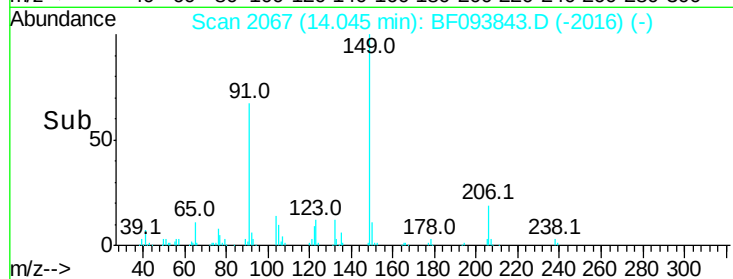
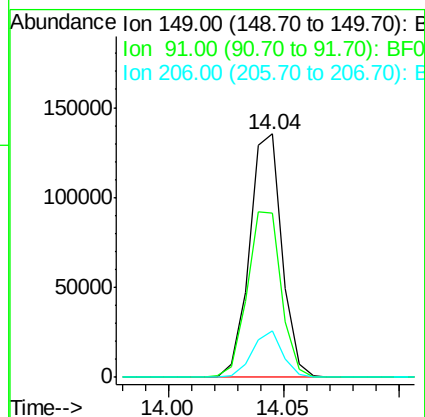
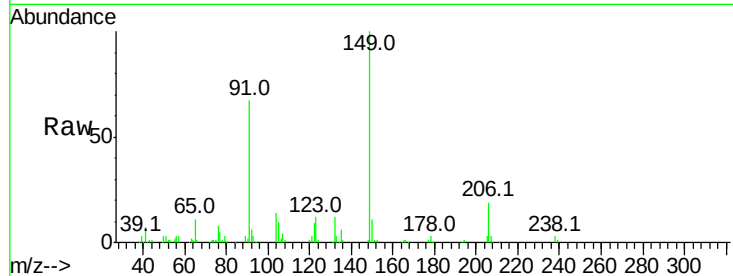




#79
Butylbenzylphthalate
Concen: 8.61 ng
RT: 14.04 min Scan# 2067
Delta R.T. 0.00 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

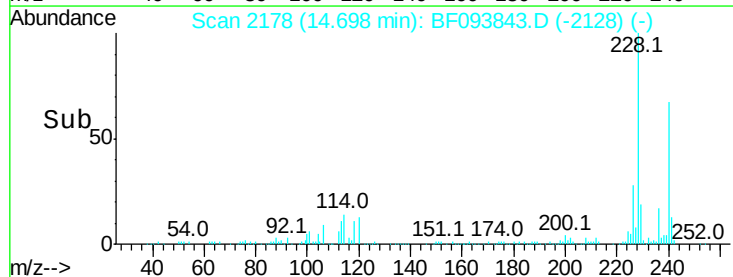
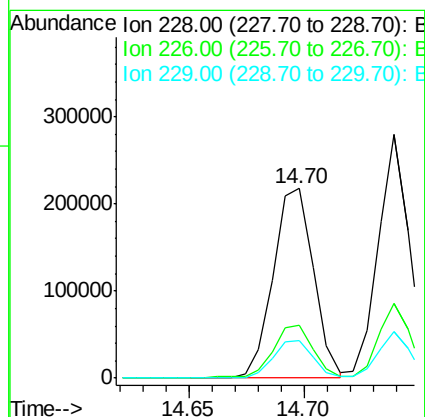
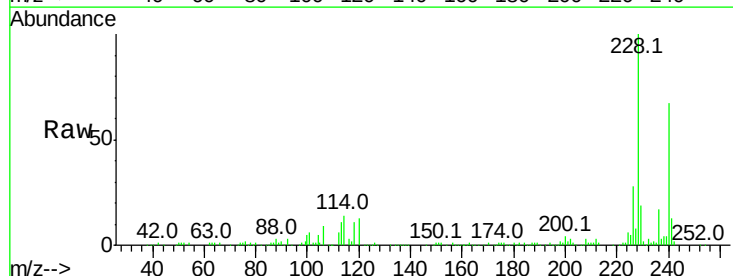
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

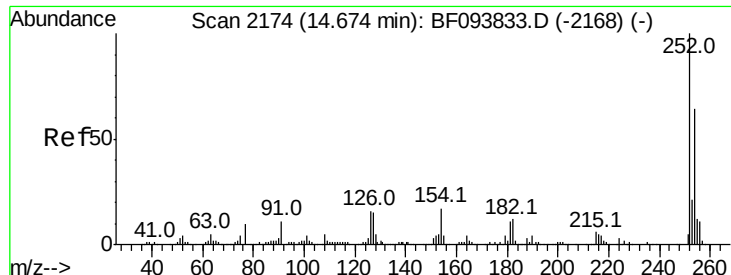
Tot Ion:149 Resp: 132878
Ion Ratio Lower Upper
149 100
91 67.4 45.0 67.4
206 19.0 17.0 25.6



#80
Benzo(a)anthracene
Concen: 9.09 ng
RT: 14.70 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:228 Resp: 264493
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 19.5 16.3 24.5

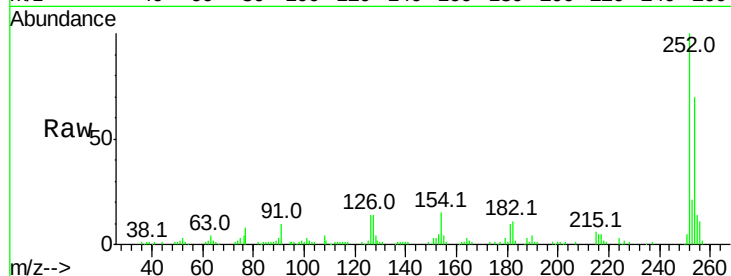




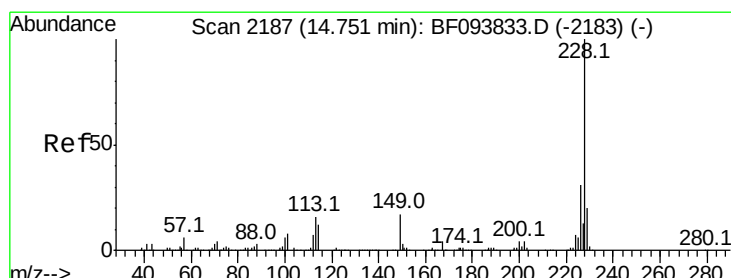
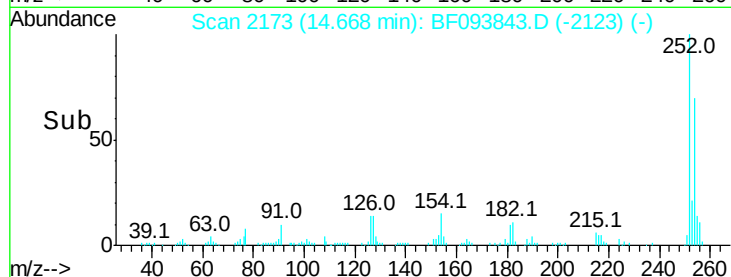
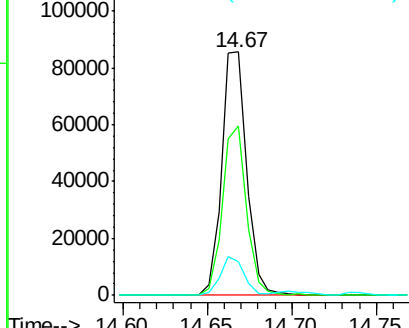
#81
 3,3'-Dichlorobenzidine
 Concen: 8.50 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

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

Tot Ion	Ratio	Lower	Upper
252	100		
254	69.5	51.5	77.3
126	13.6	15.8	23.8

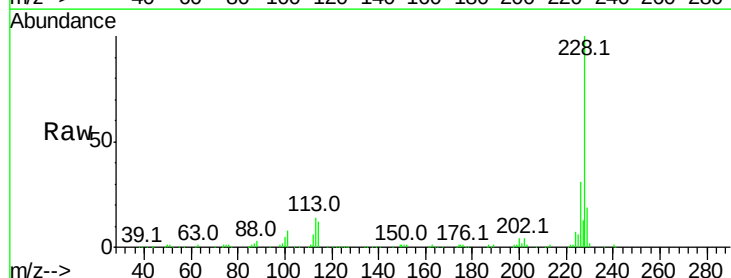


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

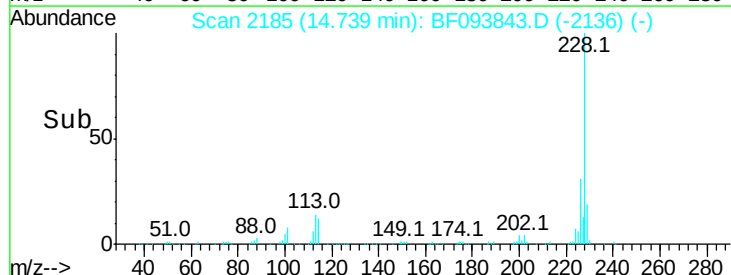
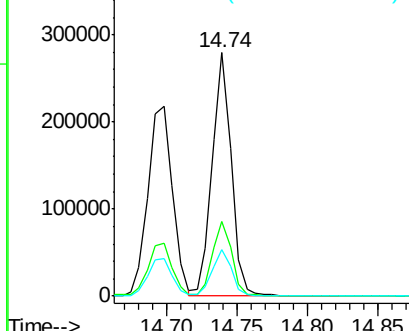


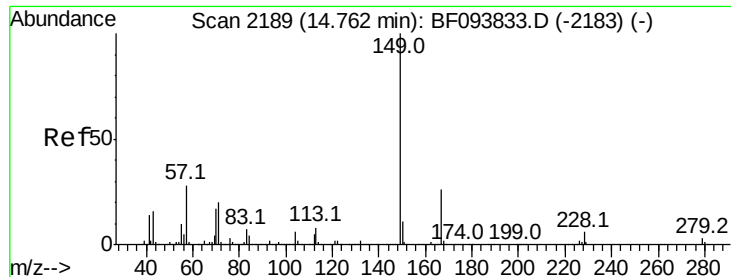
#82
 Chrysene
 Concen: 9.87 ng
 RT: 14.74 min Scan# 2185
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	18.9	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

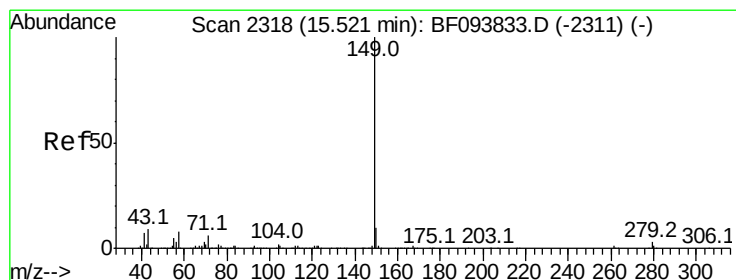
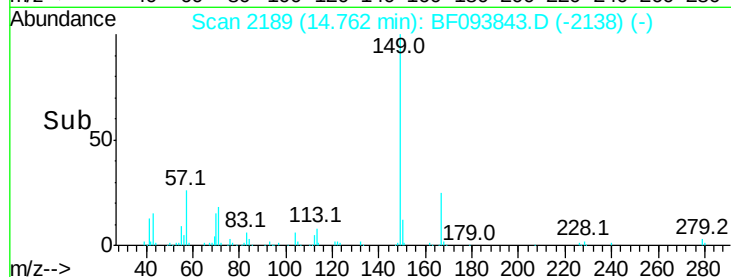
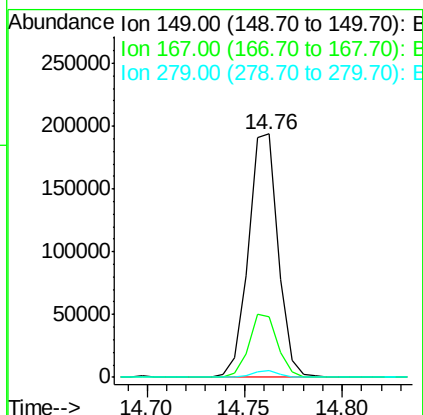
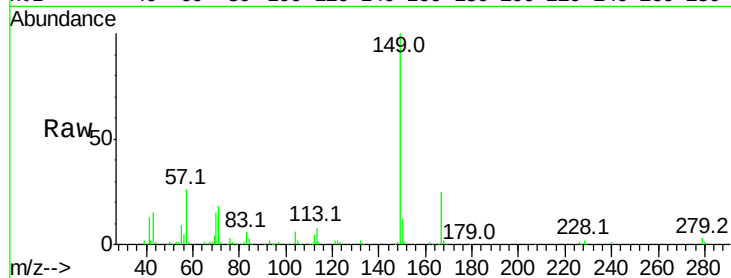




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.70 ng
 RT: 14.76 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

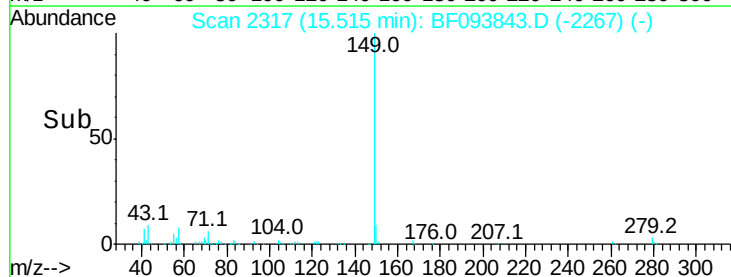
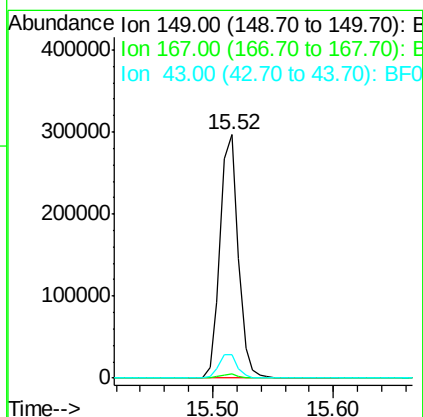
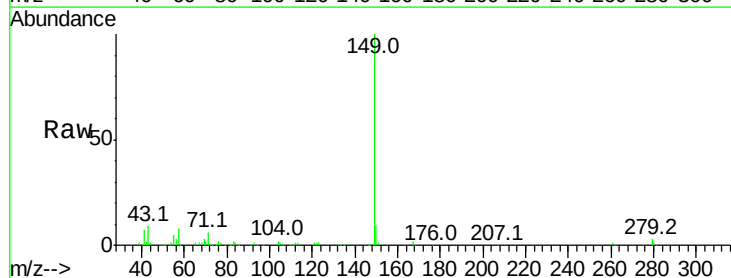
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

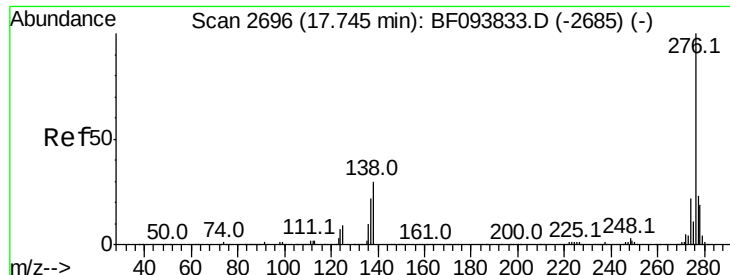
Tot Ion:149 Resp: 204270
 Ion Ratio Lower Upper
 149 100
 167 25.0 21.0 31.4
 279 2.9 1.9 2.9#



#84
 Di-n-octyl phthalate
 Concen: 8.75 ng
 RT: 15.52 min Scan# 2317
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion:149 Resp: 307905
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 10.1 8.5 12.7

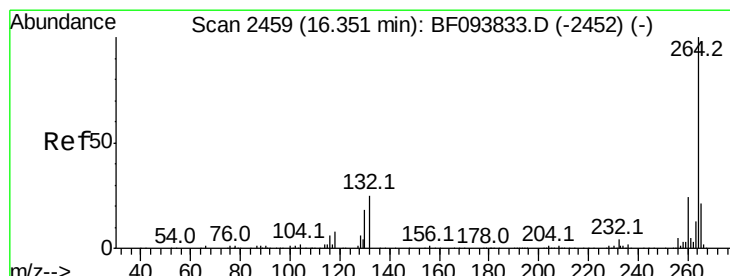
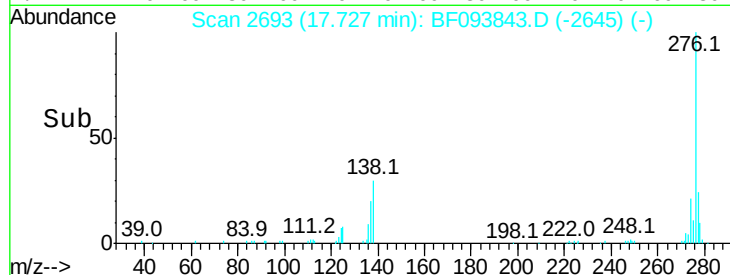
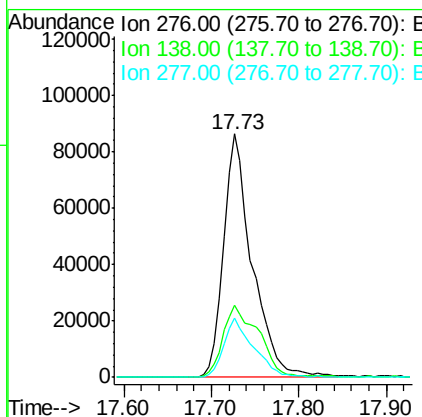
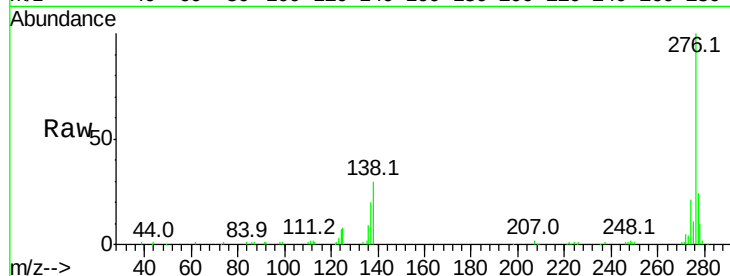




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.30 ng
 RT: 17.73 min Scan# 2693
 Delta R.T. -0.02 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

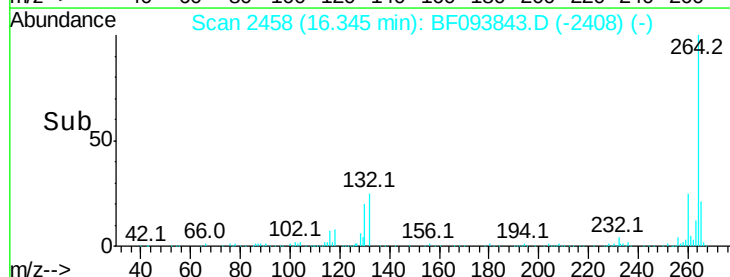
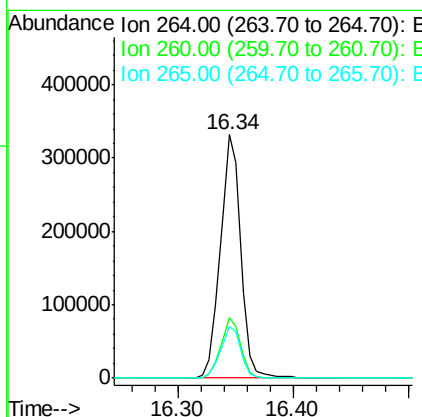
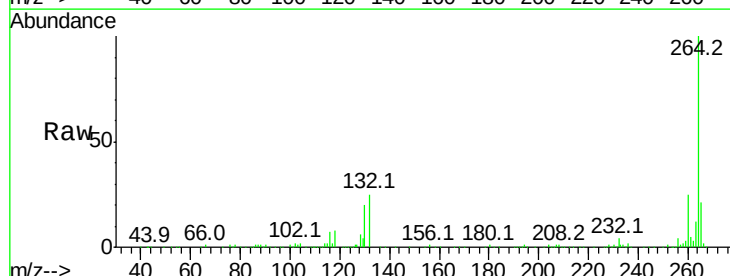
Instrument :
 BNA_F
 ClientSampleId :
 LOD-SOIL-01-QT2-2017

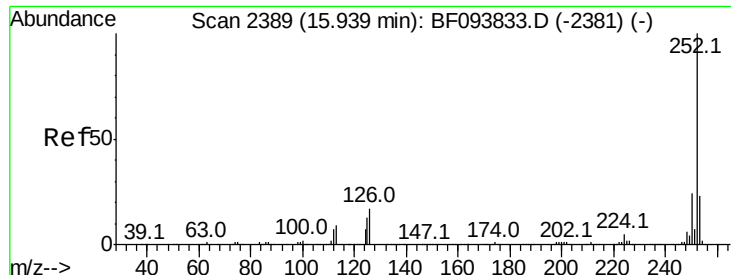
Tot Ion	Ratio	Lower	Upper
276	100		
138	37.2	27.8	41.6
277	25.4	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.34 min Scan# 2458
 Delta R.T. -0.01 min
 Lab File: BF093843.D
 Acq: 22 Mar 2017 20:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.4	17.2	25.8

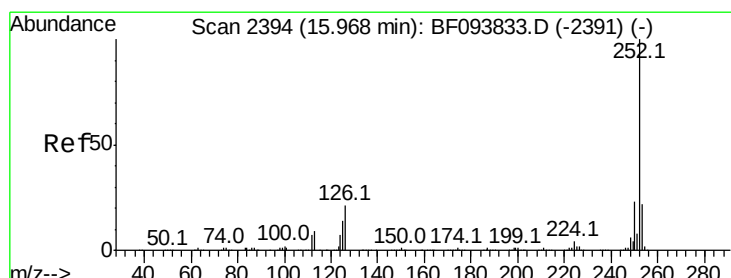
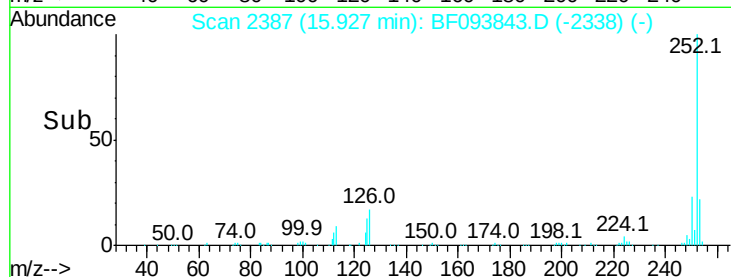
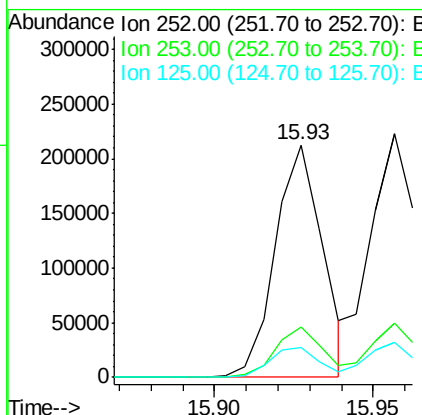
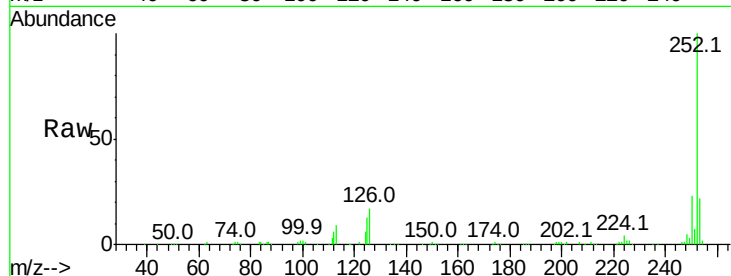




#87
Benzo(b)fluoranthene
Concen: 8.88 ng
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

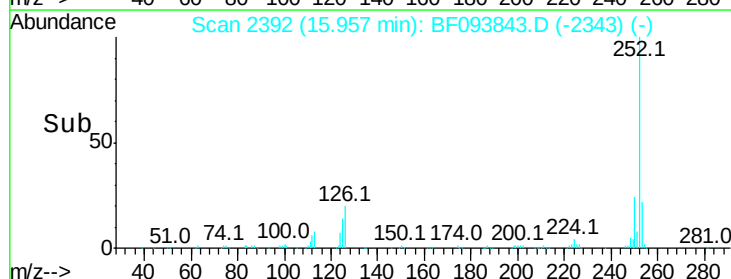
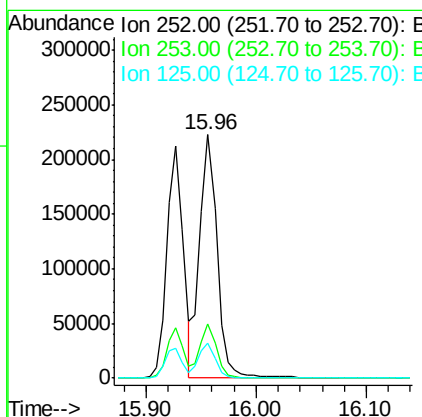
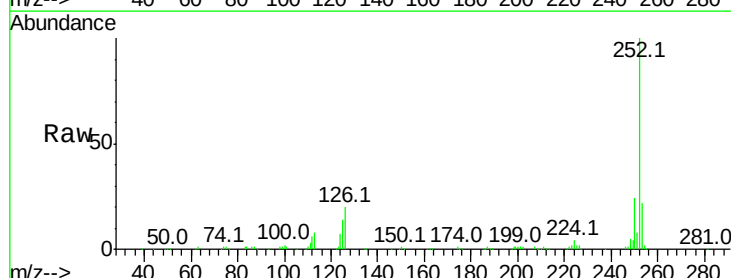
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

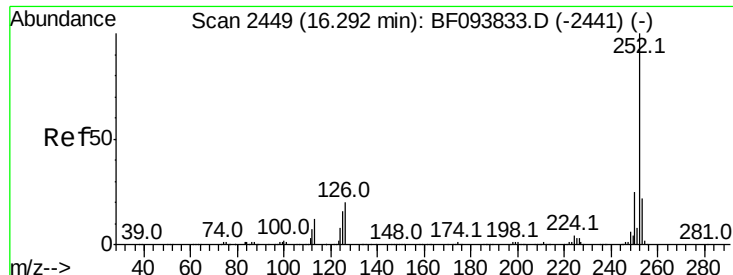
Tot Ion:252 Resp: 220890
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 13.0 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 9.73 ng
RT: 15.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:252 Resp: 238468
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 14.2 13.1 19.7

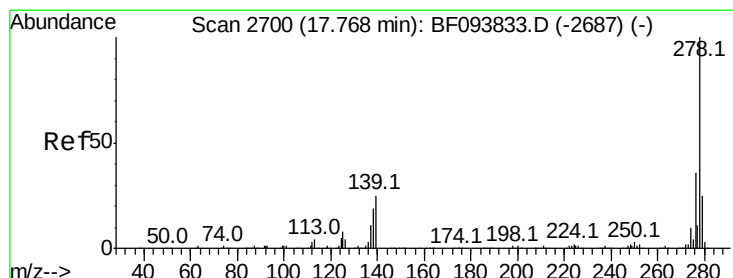
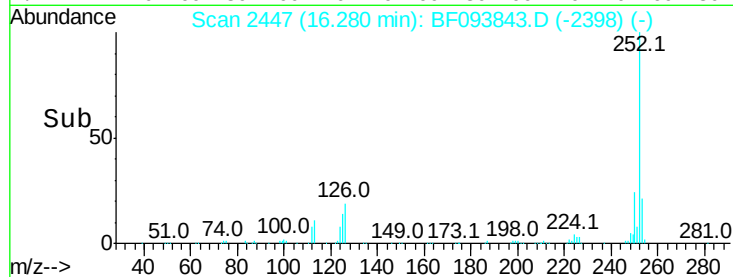
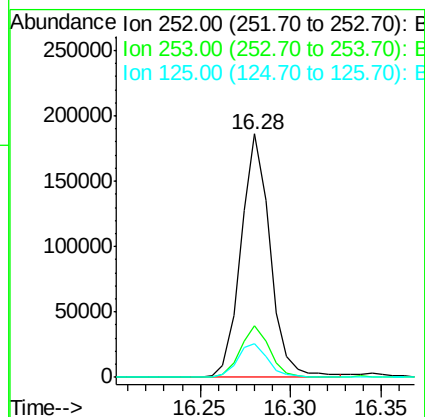
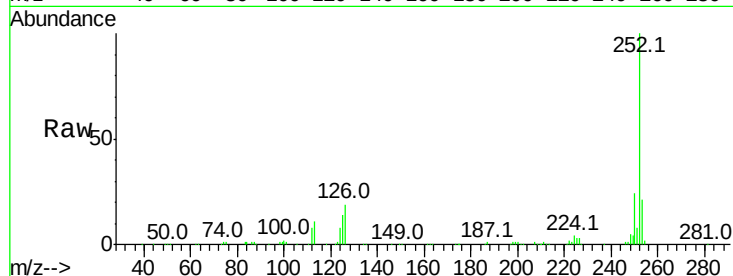




#89
Benzo(a)pyrene
Concen: 9.09 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

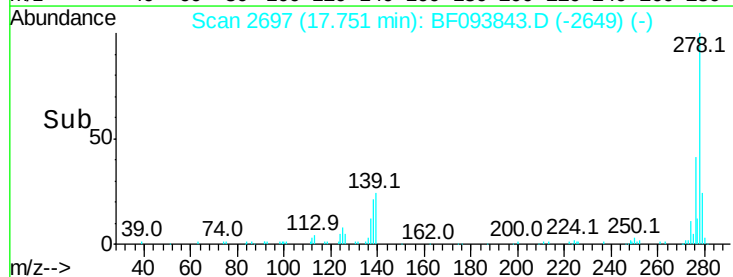
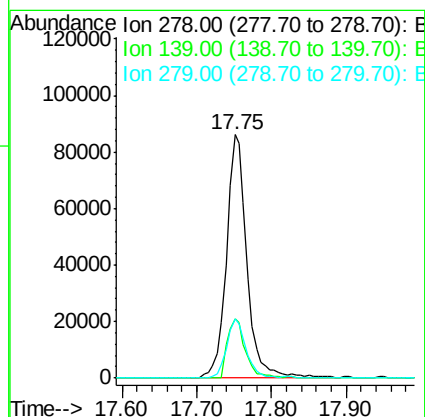
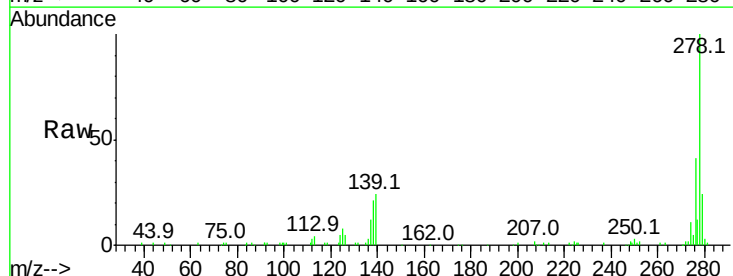
Instrument :
BNA_F
ClientSampleId :
LOD-SOIL-01-QT2-2017

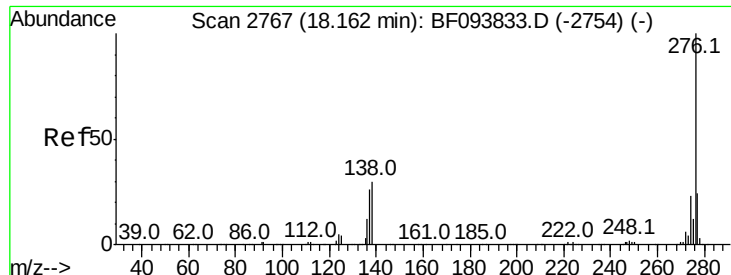
Tot Ion:252 Resp: 208156
Ion Ratio Lower Upper
252 100
253 21.4 17.5 26.3
125 13.9 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 8.52 ng
RT: 17.75 min Scan# 2697
Delta R.T. -0.02 min
Lab File: BF093843.D
Acq: 22 Mar 2017 20:18

Tgt Ion:278 Resp: 165253
Ion Ratio Lower Upper
278 100
139 24.3 16.6 24.8
279 24.2 19.3 28.9





#91

Benzo(a,h,i)perylene

Concen: 8.39 ng

RT: 18.14 min Scan# 2763

Delta R.T. -0.02 min

Lab File: BF093843.D

Acq: 22 Mar 2017 20:18

Instrument :

BNA_F

ClientSampleId :

LOD-SOIL-01-QT2-2017

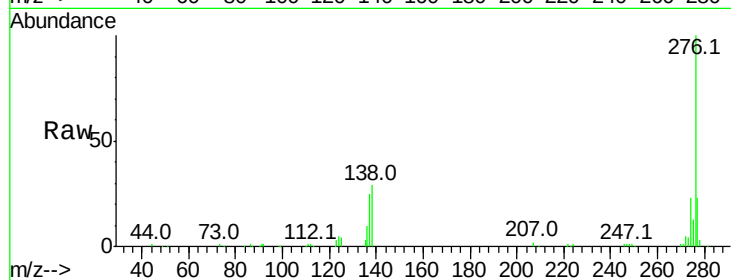
Tot Ion:276 Resp: 164051

Ion Ratio Lower Upper

276 100

277 23.2 18.6 28.0

138 29.4 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

