

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
 Data File : BF093844.D
 Acq On : 22 Mar 2017 20:45
 Operator : SJ/MA
 Sample : I2296-02
 Misc : L00 20 PPB
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Quant Time: Mar 23 01:20:16 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	196865	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	806953	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	359624	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	615612	20.00	ng	0.00
75) Chrysene-d12	14.71	240	511792	20.00	ng	0.00
86) Perylene-d12	16.35	264	418204	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	4.51	112	1491716	127.98	ng	0.00
7) Phenol-d6	5.57	99	1838223	127.49	ng	0.00
23) Nitrobenzene-d5	6.64	82	1364120	96.47	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	375929	132.29	ng	0.00
44) 2-Fluorobiphenyl	8.82	172	2260503	95.87	ng	0.00
78) Terphenyl-d14	13.44	244	1930115	84.53	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.37	88	113683	20.30	ng	99
3) Pyridine	2.86	79	306546	20.09	ng	94
4) n-Nitrosodimethylamine	2.80	42	129103	20.56	ng	93
6) Aniline	5.61	93	413177	20.60	ng	98
8) 2-Chlorophenol	5.75	128	263091	20.54	ng	98
9) Benzaldehyde	5.48	77	208898	21.46	ng	100
10) Phenol	5.59	94	360141	21.95	ng	90
11) bis(2-Chloroethyl)ether	5.69	93	274985	21.44	ng	99
12) 1,3-Dichlorobenzene	5.92	146	307064	21.37	ng	100
13) 1,4-Dichlorobenzene	6.00	146	314139	21.58	ng	94
14) 1,2-Dichlorobenzene	6.19	146	284533	21.23	ng	95
15) Benzyl Alcohol	6.15	79	235428	22.31	ng	97
16) 2,2'-oxybis(1-Chloropropan	6.31	45	424353	21.48	ng	98
17) 2-Methylphenol	6.27	107	228970	20.87	ng	98
18) Hexachloroethane	6.58	117	111912	21.88	ng	# 82
19) n-Nitroso-di-n-propylamine	6.47	70	198983	21.47	ng	99
20) 3+4-Methylphenols	6.46	107	283014	21.30	ng	92
22) Acetophenone	6.46	105	388369	21.59	ng	94
24) Nitrobenzene	6.66	77	294634	21.13	ng	95
25) Isophorone	6.94	82	521787	21.00	ng	97
26) 2-Nitrophenol	7.03	139	139215	20.93	ng	95
27) 2,4-Dimethylphenol	7.09	122	239017	20.86	ng	98
28) bis(2-Chloroethoxy)methane	7.20	93	349328	21.32	ng	99
29) 2,4-Dichlorophenol	7.32	162	225235	21.02	ng	98
30) 1,2,4-Trichlorobenzene	7.42	180	236268	21.41	ng	99
31) Naphthalene	7.52	128	838522	21.61	ng	100
32) Benzoic acid	7.20	122	139664	18.31	ng	96
33) 4-Chloroaniline	7.57	127	324371	20.63	ng	95
34) Hexachlorobutadiene	7.67	225	123735	21.86	ng	97
35) Caprolactam	8.00	113	68801	20.14	ng	97
36) 4-Chloro-3-methylphenol	8.17	107	234110	20.91	ng	87
37) 2-Methylnaphthalene	8.36	142	560890	21.69	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.56	216	216806	22.04	ng	100
40) Hexachlorocyclopentadiene	8.56	237	101876	22.13	ng	99

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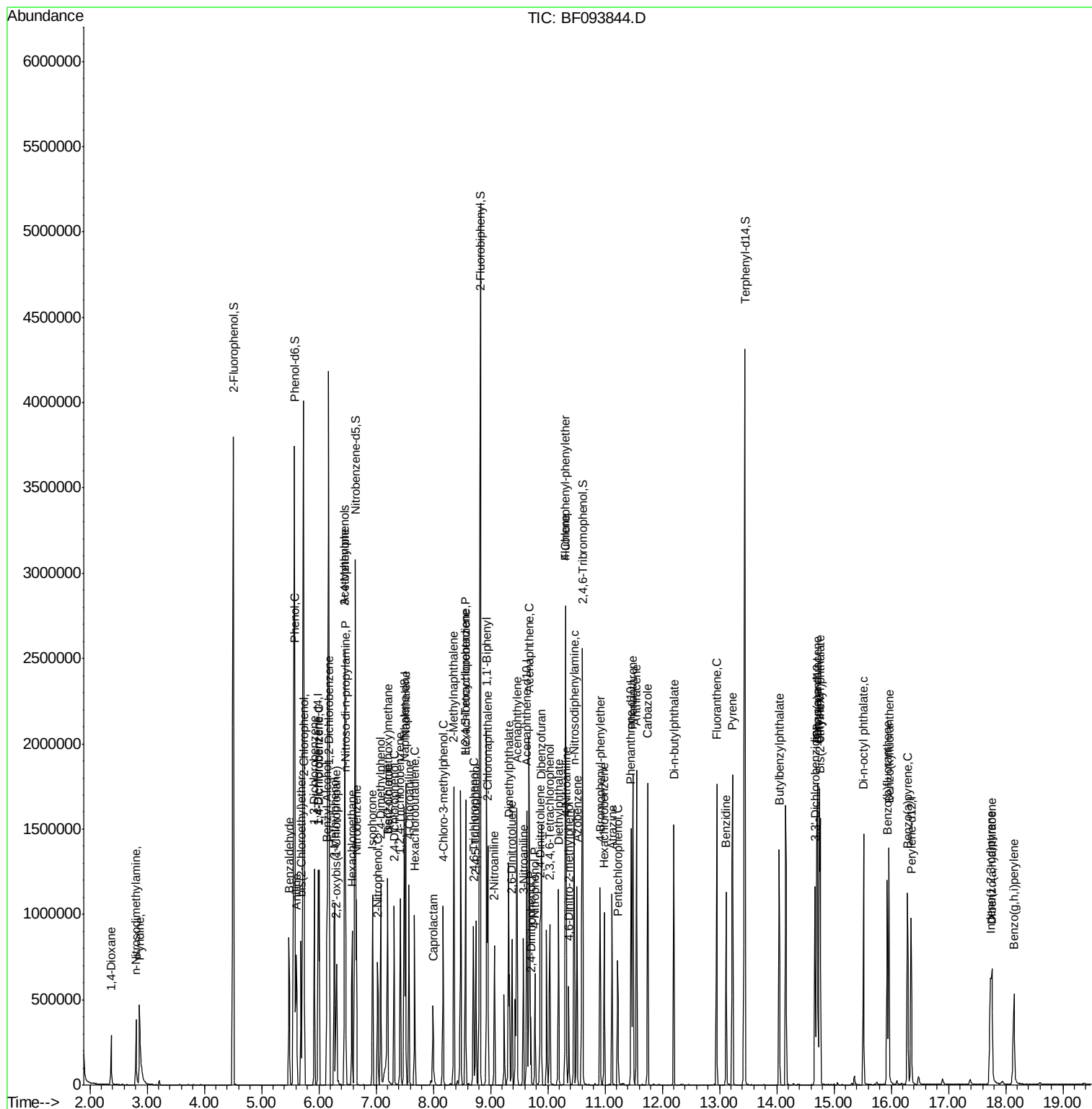
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.70	196	146023	20.98	nq	95
43) 2,4,5-Trichlorophenol	8.75	196	159458	21.17	nq	95
45) 1,1'-Biphenyl	8.93	154	646685	22.29	nq	97
46) 2-Chloronaphthalene	8.96	162	494087	21.76	nq	96
47) 2-Nitroaniline	9.07	65	139574	20.72	nq	91
48) Acenaphthylene	9.46	152	823606	21.82	nq	98
49) Dimethylphthalate	9.32	163	550457	21.53	nq	100
50) 2,6-Dinitrotoluene	9.37	165	126157	21.53	nq	# 84
51) Acenaphthene	9.67	154	482751	21.92	nq	99
52) 3-Nitroaniline	9.57	138	140843	20.47	nq	95
53) 2,4-Dinitrophenol	9.70	184	47253	18.85	nq	# 71
54) Dibenzofuran	9.89	168	661662	22.07	nq	99
55) 4-Nitrophenol	9.78	139	108364	20.11	nq	# 66
56) 2,4-Dinitrotoluene	9.87	165	161547	21.95	nq	# 85
57) Fluorene	10.31	166	533224	21.45	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.03	232	110623	21.41	nq	99
59) Diethylphthalate	10.19	149	543361	21.51	nq	99
60) 4-Chlorophenyl-phenylether	10.32	204	231968	21.91	nq	92
61) 4-Nitroaniline	10.33	138	132280	20.03	nq	96
62) Azobenzene	10.51	77	516234	21.60	nq	97
64) 4,6-Dinitro-2-methylphenol	10.37	198	73068	19.38	nq	79
65) n-Nitrosodiphenylamine	10.46	169	464864	21.84	nq	99
66) 4-Bromophenyl-phenylether	10.92	248	131337	21.69	nq	96
67) Hexachlorobenzene	10.99	284	133384	21.76	nq	# 86
68) Atrazine	11.12	200	138117	21.66	nq	95
69) Pentachlorophenol	11.22	266	77256	20.25	nq	96
70) Phenanthrene	11.49	178	751492	21.94	nq	99
71) Anthracene	11.55	178	775101	21.98	nq	99
72) Carbazole	11.74	167	767399	21.22	nq	99
73) Di-n-butylphthalate	12.20	149	841222	22.37	nq	98
74) Fluoranthene	12.95	202	759837	21.67	nq	98
76) Benzidine	13.12	184	396045	19.55	nq	95
77) Pyrene	13.23	202	795355	21.41	nq	99
79) Butylbenzylphthalate	14.04	149	338986	21.42	nq	# 85
80) Benzo(a)anthracene	14.70	228	634022	21.24	nq	98
81) 3,3'-Dichlorobenzidine	14.67	252	220535	20.67	nq	# 97
82) Chrysene	14.74	228	609766	22.02	nq	98
83) Bis(2-ethylhexyl)phthalate	14.76	149	498652	23.10	nq	99
84) Di-n-octyl phthalate	15.52	149	798772	22.15	nq	98
85) Indeno(1,2,3-cd)pyrene	17.73	276	466004	19.43	nq	98
87) Benzo(b)fluoranthene	15.93	252	543543	21.20	nq	99
88) Benzo(k)fluoranthene	15.96	252	545332	21.59	nq	# 96
89) Benzo(a)pyrene	16.29	252	495219	20.98	nq	98
90) Dibenzo(a,h)anthracene	17.76	278	403953	20.21	nq	99
91) Benzo(g,h,i)perylene	18.14	276	393177	19.51	nq	99

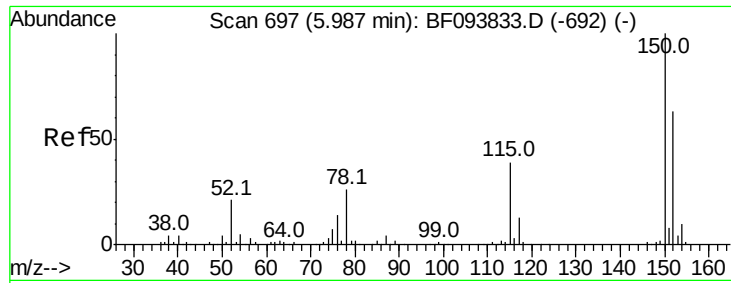
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
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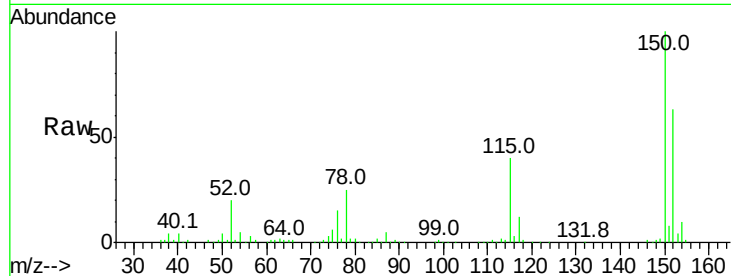


#1

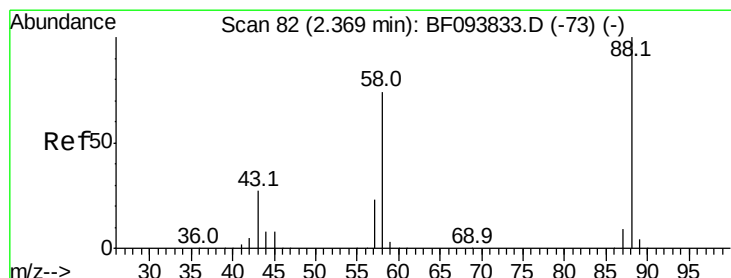
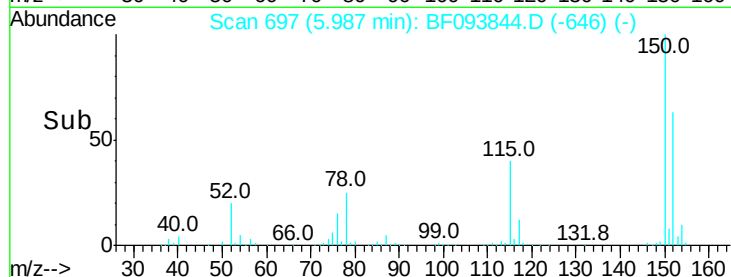
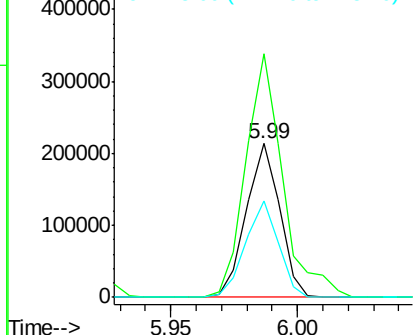
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tot Ion:152 Resp: 196865
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 62.7 52.2 78.2



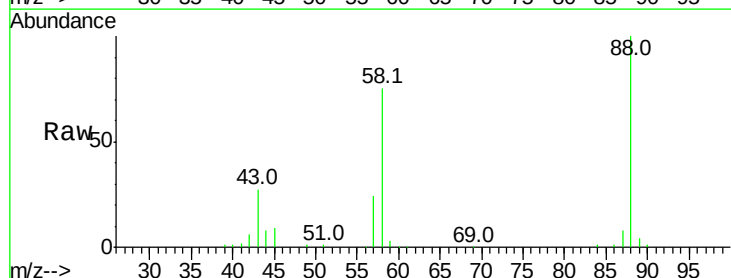
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



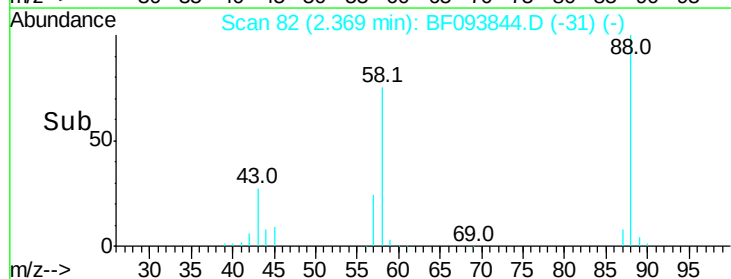
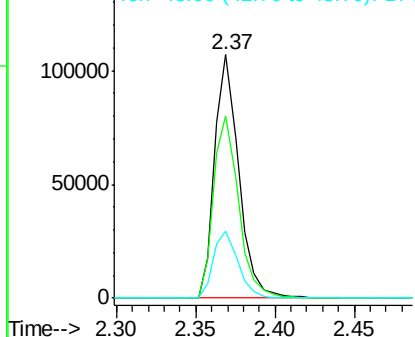
#2

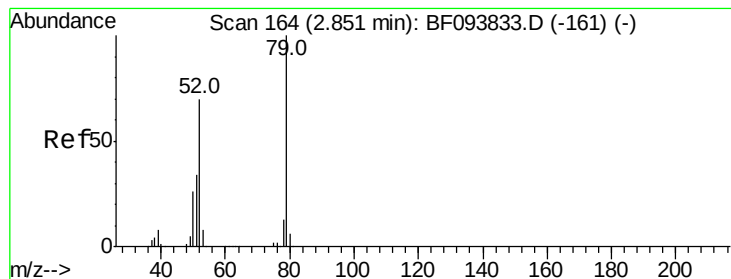
1,4-Dioxane
Concen: 20.30 ng
RT: 2.37 min Scan# 82
Delta R.T. -0.00 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion: 88 Resp: 113683
Ion Ratio Lower Upper
88 100
58 77.1 61.4 92.0
43 28.1 23.4 35.0



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 20.09 ng

RT: 2.86 min Scan# 166

Delta R.T. 0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

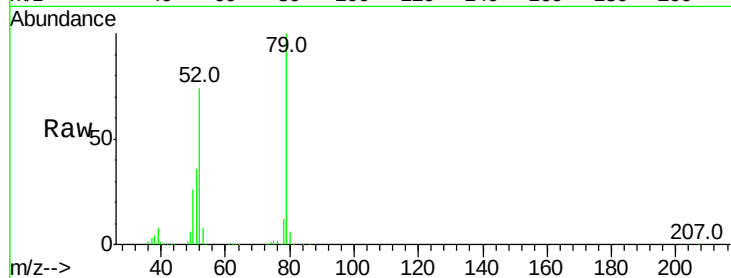
Tot Ion: 79 Resp: 306546

Ion Ratio Lower Upper

79 100

52 74.2 54.8 82.2

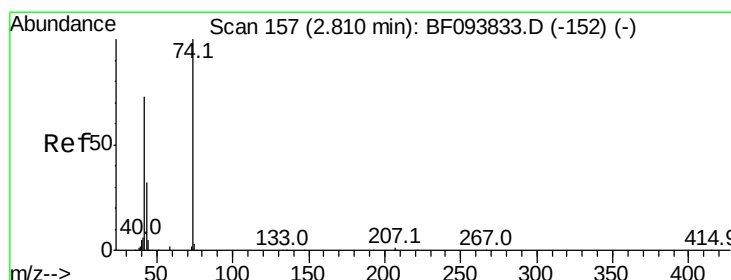
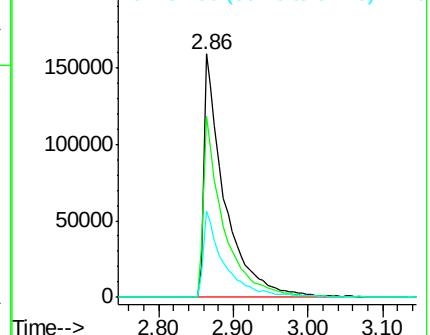
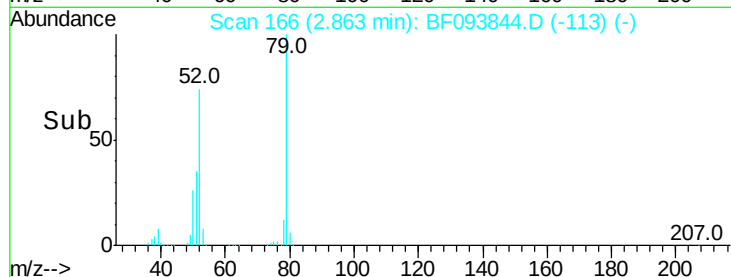
51 35.6 27.0 40.4



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 52.00 (51.70 to 52.70): BF0

Ion 51.00 (50.70 to 51.70): BF0



#4

n-Nitrosodimethylamine

Concen: 20.56 ng

RT: 2.80 min Scan# 156

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

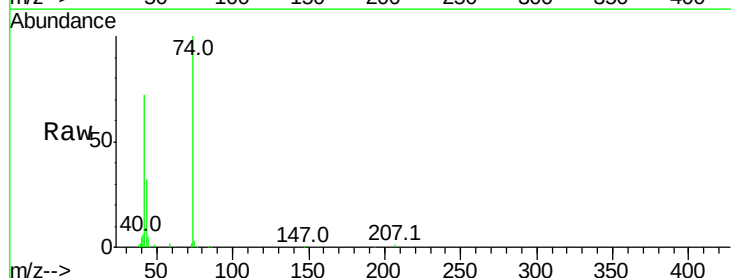
Tgt Ion: 42 Resp: 129103

Ion Ratio Lower Upper

42 100

74 138.9 103.9 155.9

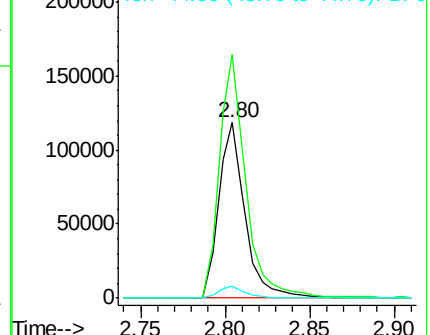
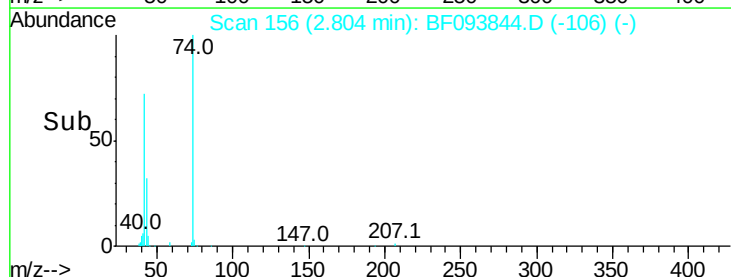
44 7.1 5.7 8.5

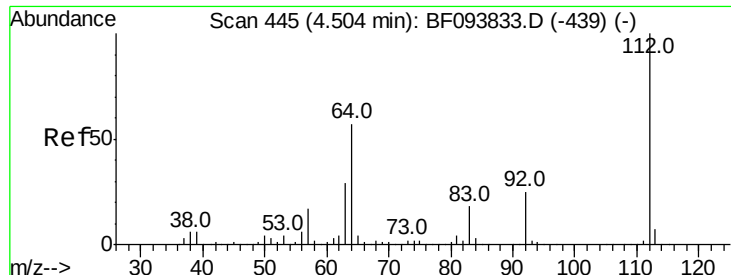


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 127.98 ng

RT: 4.51 min Scan# 446

Delta R.T. 0.01 min

Lab File: BF093844.D

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LOQ-SOIL-02-QT2-2017

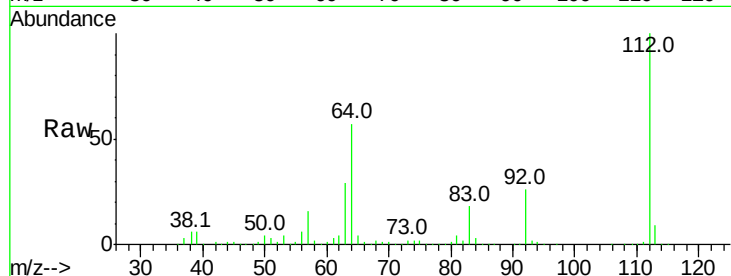
Tot Ion:112 Resp: 1491716

Ion Ratio Lower Upper

112 100

64 57.0 46.0 69.0

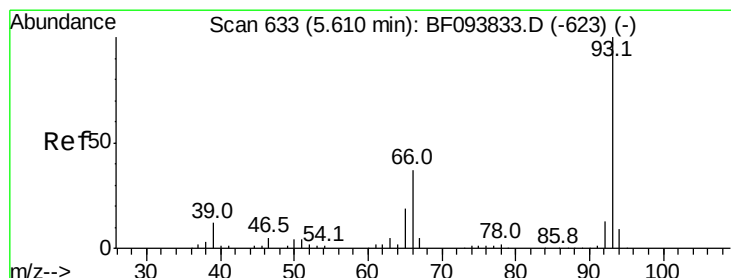
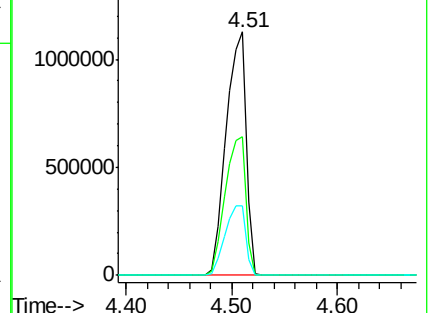
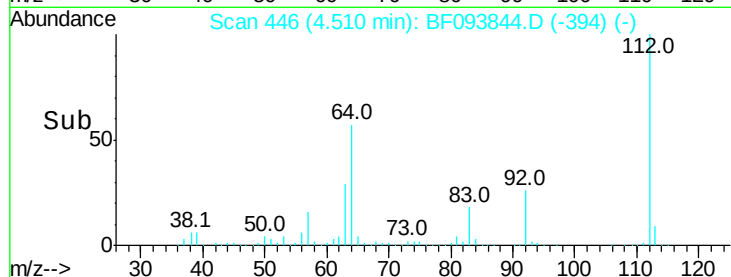
63 28.7 23.4 35.0



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: 20.60 ng

RT: 5.61 min Scan# 633

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

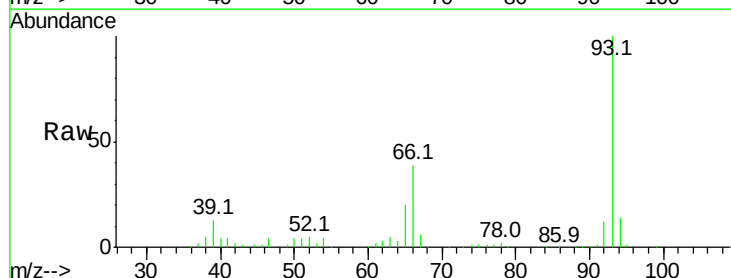
Tgt Ion: 93 Resp: 413177

Ion Ratio Lower Upper

93 100

66 39.1 32.9 49.3

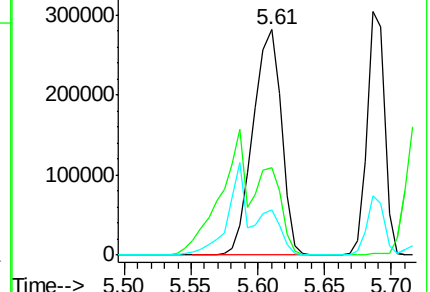
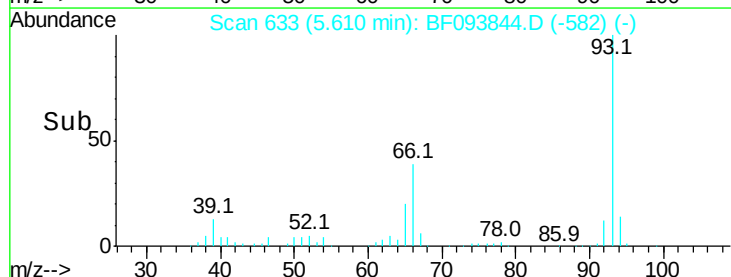
65 20.0 16.0 24.0

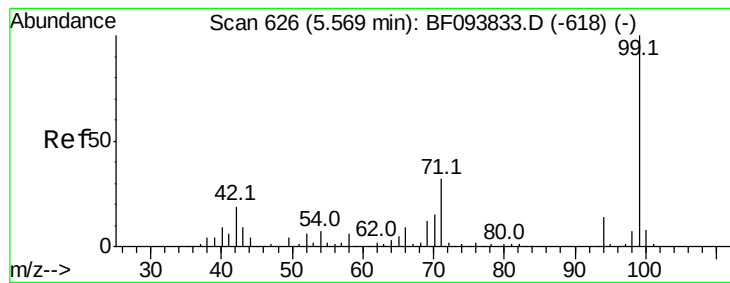


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 127.49 ng

RT: 5.57 min Scan# 627

Delta R.T. 0.01 min

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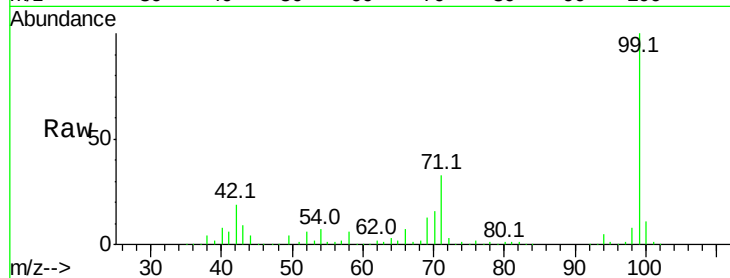
Tot Ion: 99 Resp: 1838223

Ion Ratio Lower Upper

99 100

42 18.5 13.5 20.3

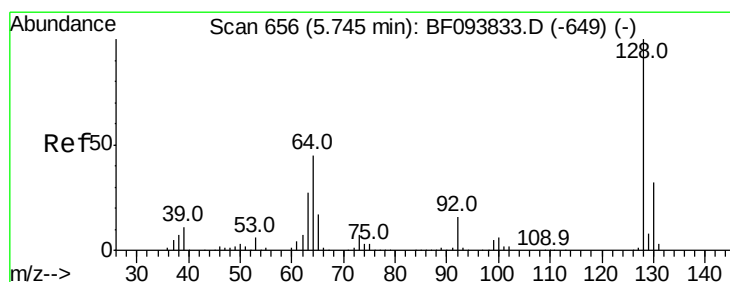
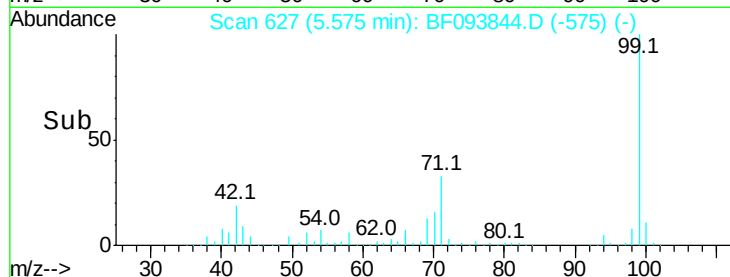
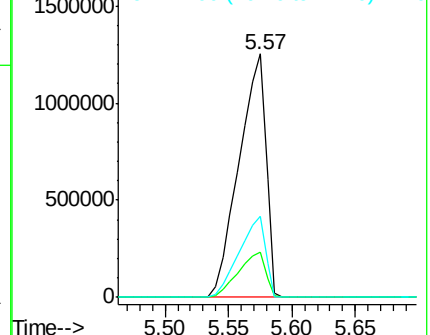
71 33.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 20.54 ng

RT: 5.75 min Scan# 656

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

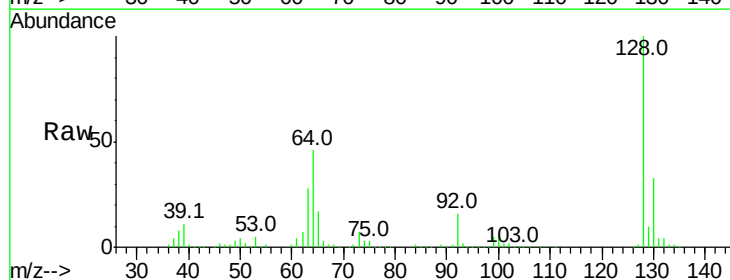
Tgt Ion:128 Resp: 263091

Ion Ratio Lower Upper

128 100

130 32.6 12.9 52.9

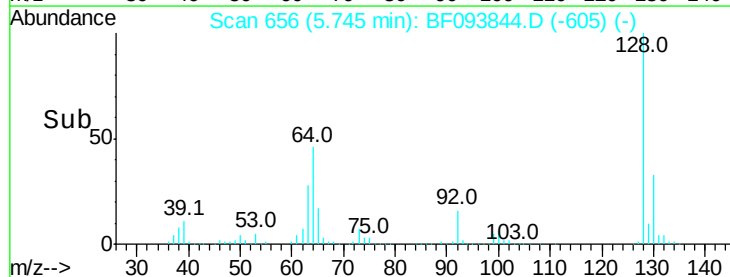
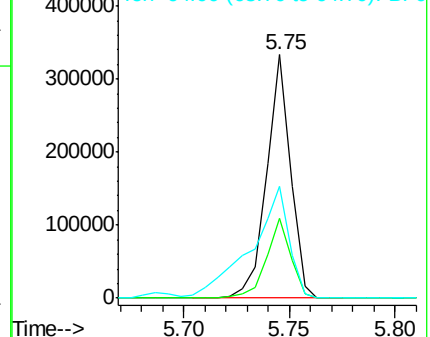
64 46.1 28.4 68.4

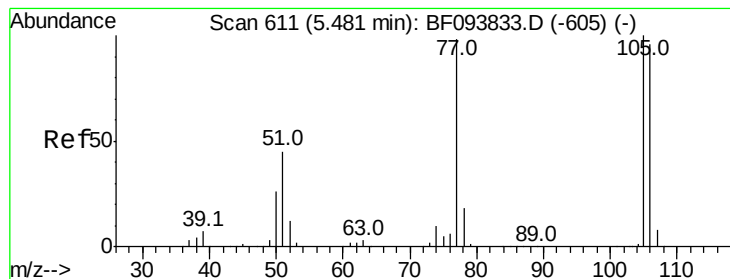


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 21.46 ng

RT: 5.48 min Scan# 611

Delta R.T. -0.00 min

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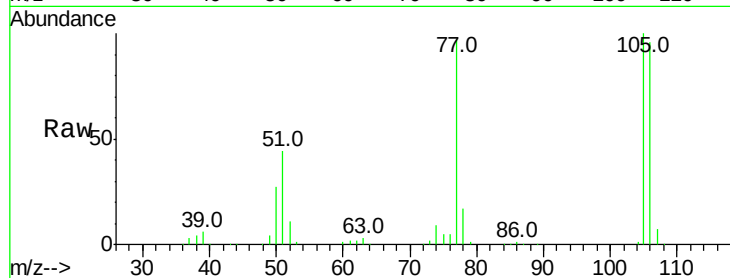
Tot Ion: 77 Resp: 208898

Ion Ratio Lower Upper

77 100

105 103.6 83.8 123.8

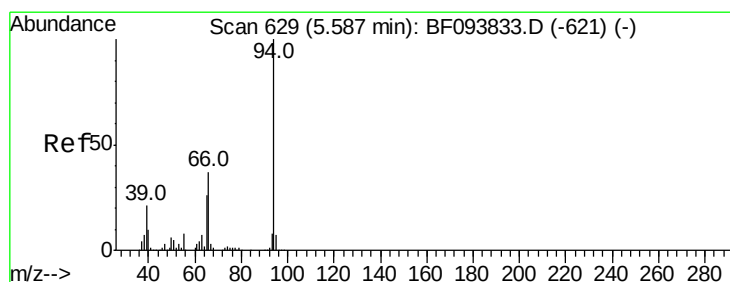
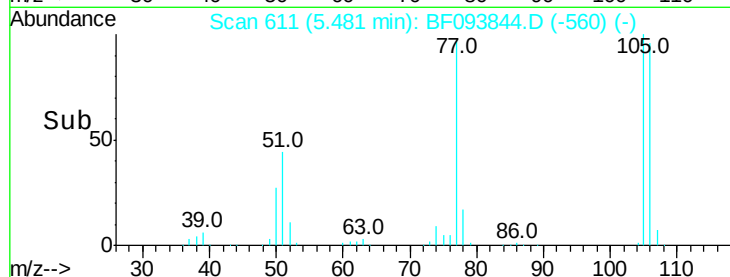
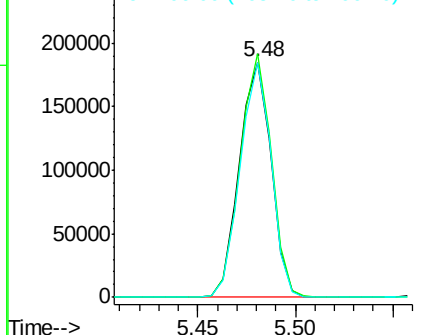
106 99.7 79.1 119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0



#10

Phenol

Concen: 21.95 ng

RT: 5.59 min Scan# 629

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

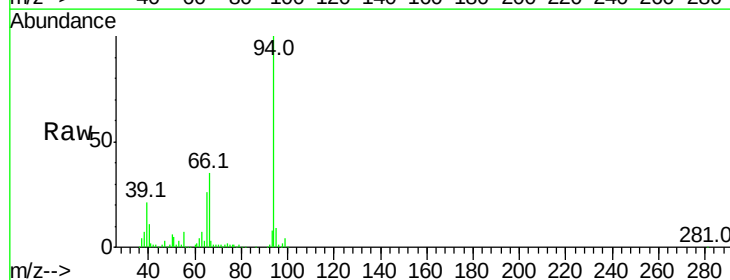
Tgt Ion: 94 Resp: 360141

Ion Ratio Lower Upper

94 100

65 26.0 9.9 49.9

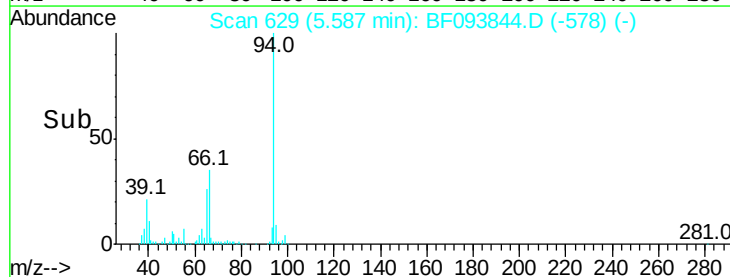
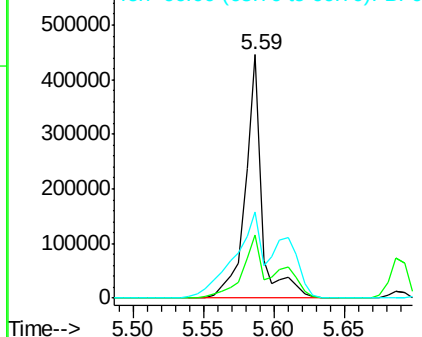
66 35.4 23.1 63.1

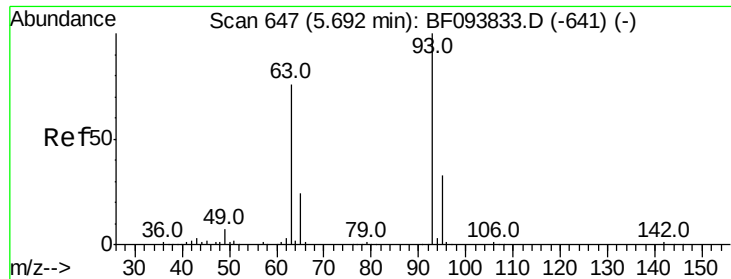


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#11

bis(2-Chloroethyl)ether

Concen: 21.44 ng

RT: 5.69 min Scan# 646

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

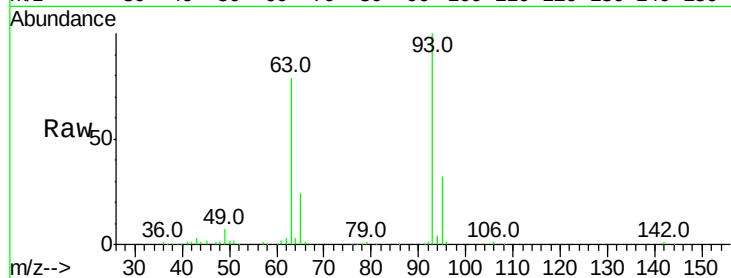
Tot Ion: 93 Resp: 274985

Ion Ratio Lower Upper

93 100

63 78.8 59.2 99.2

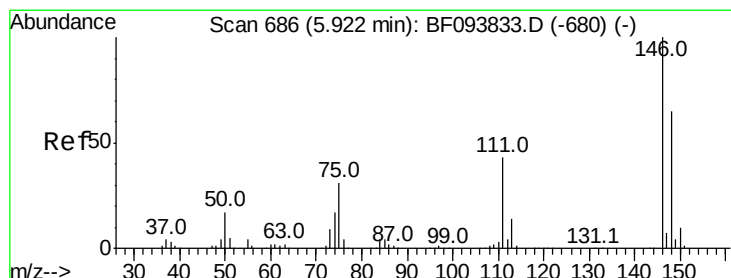
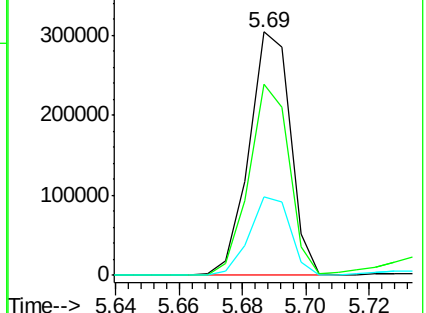
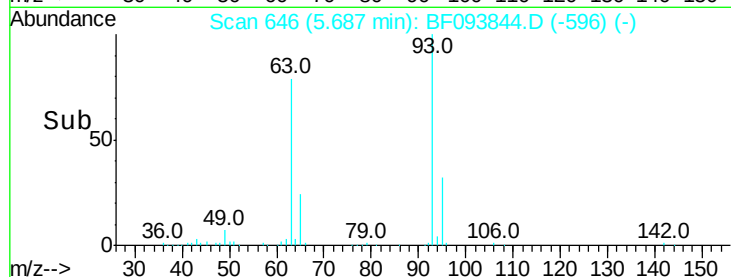
95 32.2 12.8 52.8



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 21.37 ng

RT: 5.92 min Scan# 686

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

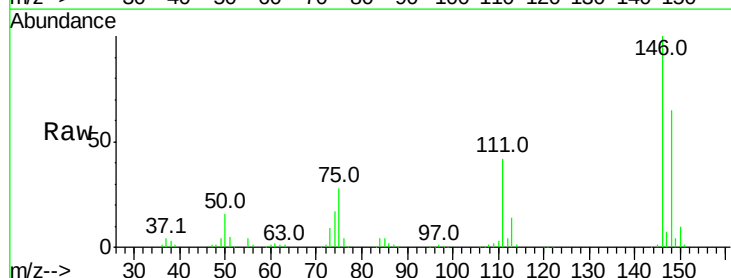
Tgt Ion: 146 Resp: 307064

Ion Ratio Lower Upper

146 100

148 65.0 51.8 77.6

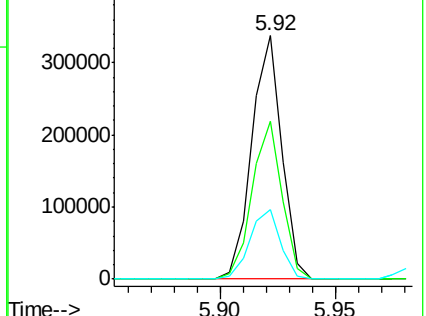
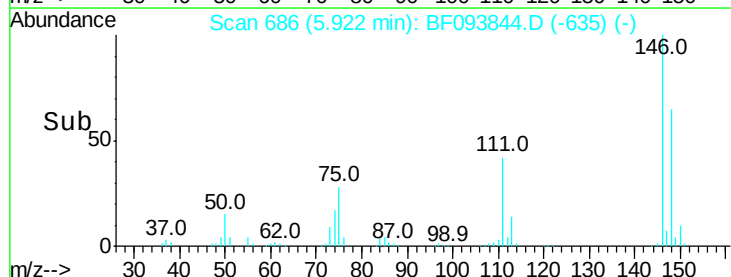
75 28.5 23.1 34.7

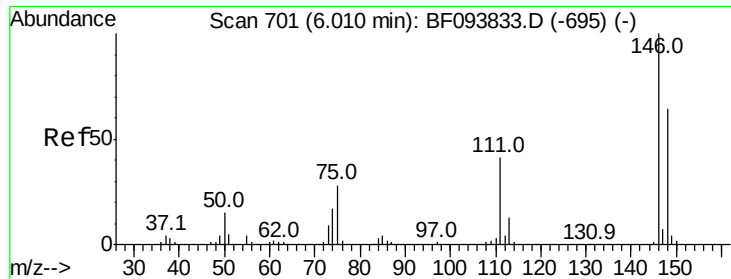


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

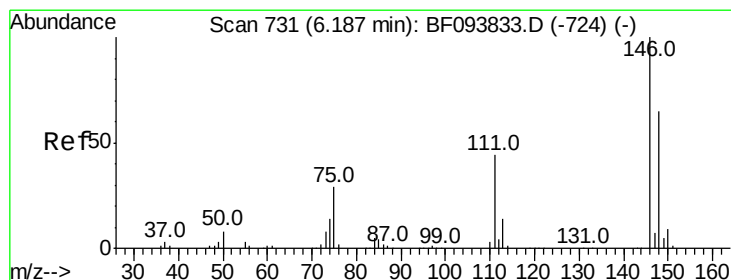
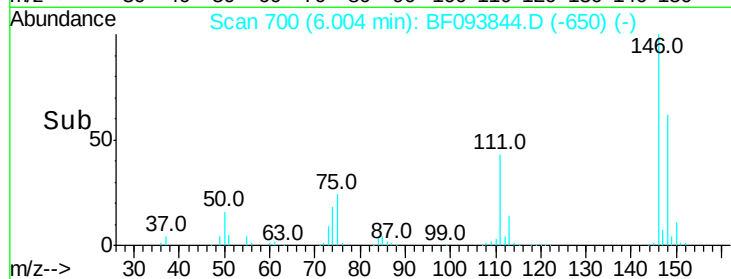
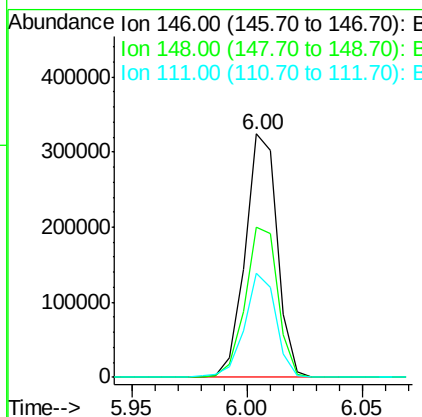
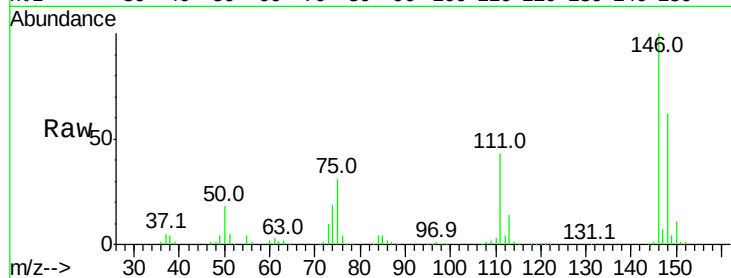




#13
 1,4-Dichlorobenzene
 Concen: 21.58 ng
 RT: 6.00 min Scan# 700
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

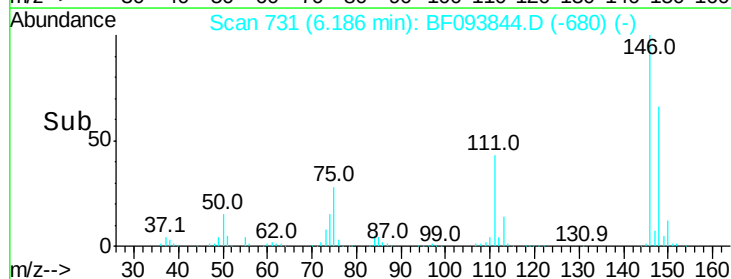
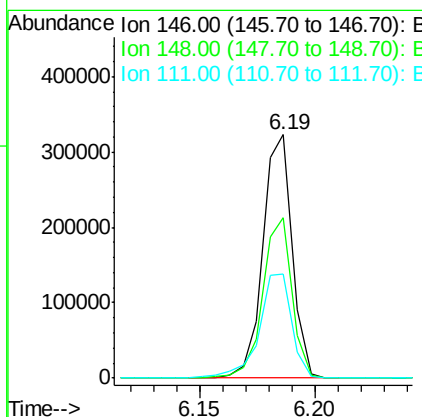
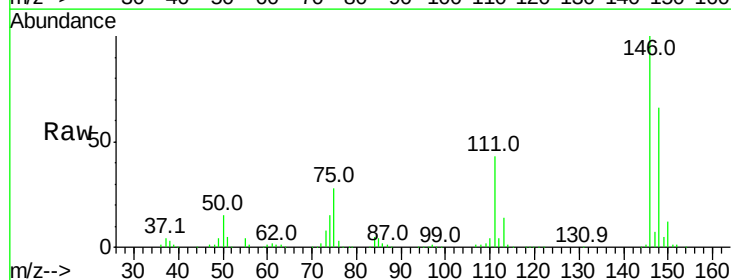
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

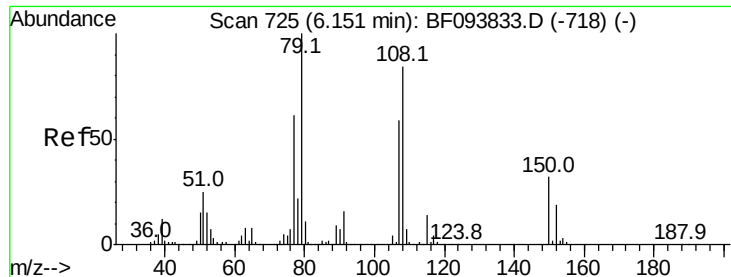
Tot Ion:146 Resp: 314139
 Ion Ratio Lower Upper
 146 100
 148 61.9 52.2 78.2
 111 42.8 30.3 45.5



#14
 1,2-Dichlorobenzene
 Concen: 21.23 ng
 RT: 6.19 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:146 Resp: 284533
 Ion Ratio Lower Upper
 146 100
 148 65.9 50.4 75.6
 111 42.9 38.2 57.4





#15

Benzyl Alcohol

Concen: 22.31 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

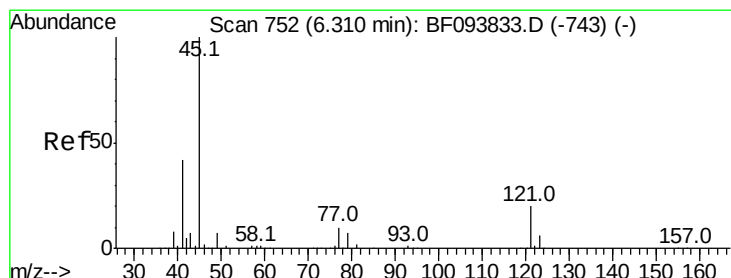
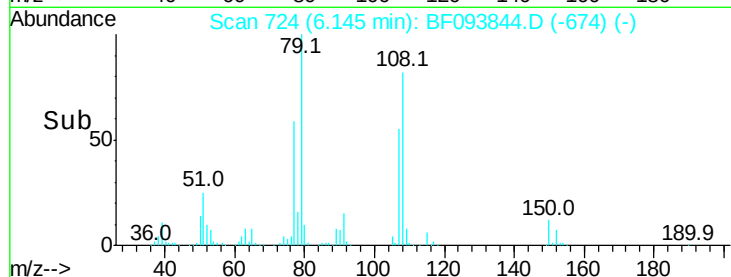
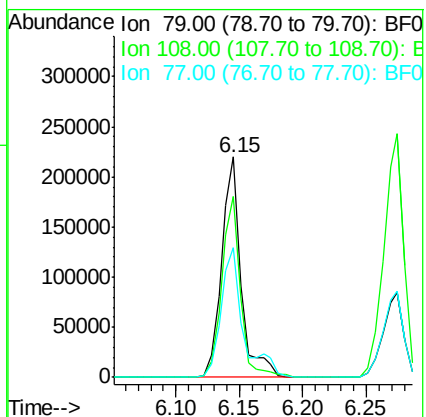
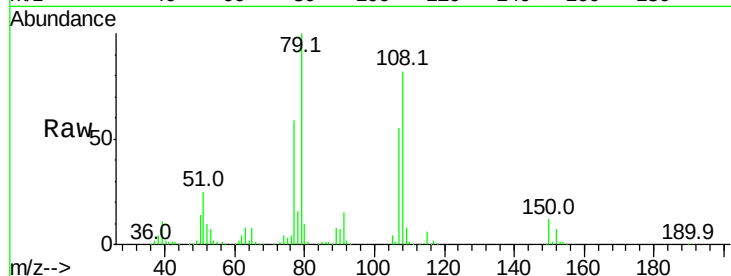
Tot Ion: 79 Resp: 235428

Ion Ratio Lower Upper

79 100

108 82.3 63.4 95.0

77 59.0 49.2 73.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 21.48 ng

RT: 6.31 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

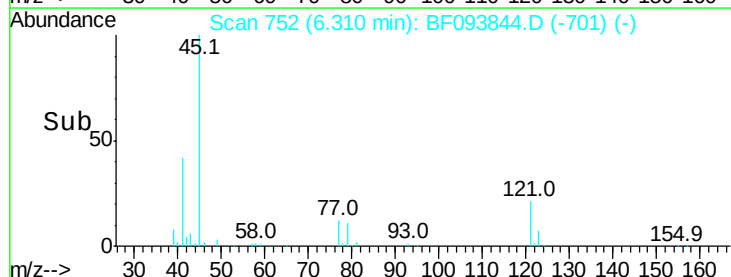
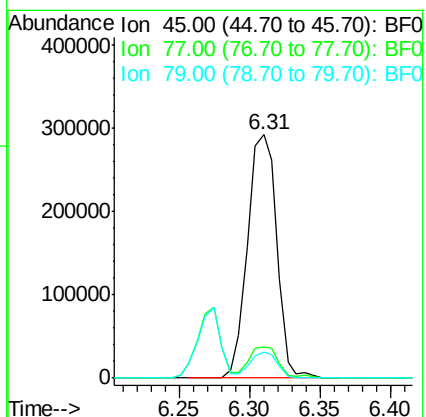
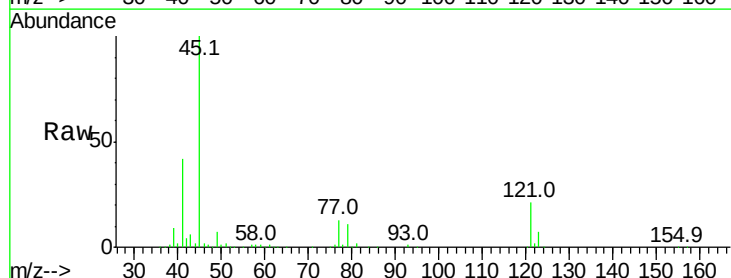
Tgt Ion: 45 Resp: 424353

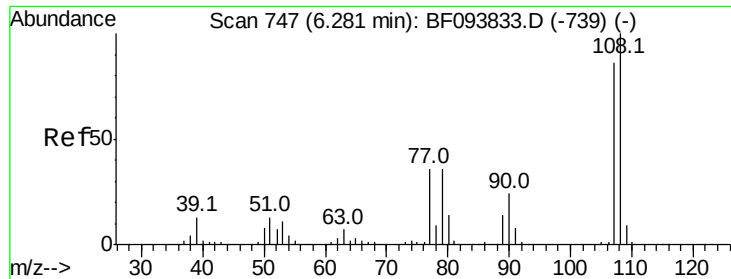
Ion Ratio Lower Upper

45 100

77 12.7 0.0 33.2

79 10.8 0.0 30.0





#17

2-Methylphenol

Concen: 20.87 ng

RT: 6.27 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tot Ion:107 Resp: 228970

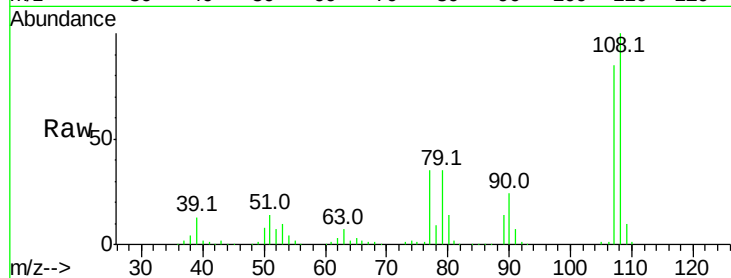
Ion Ratio Lower Upper

107 100

108 117.2 93.4 140.0

77 41.3 35.8 53.6

79 41.0 34.8 52.2

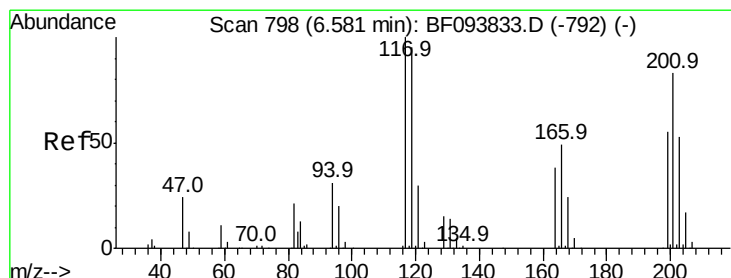
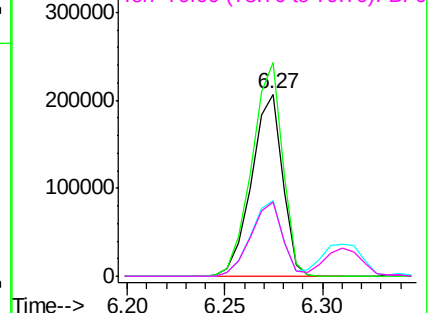
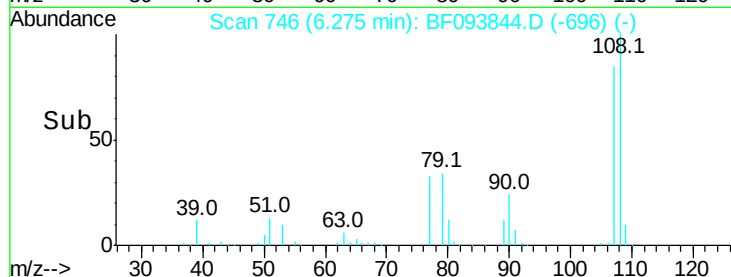


Abundance Ion 107.00 (106.70 to 107.70): E

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: 21.88 ng

RT: 6.58 min Scan# 798

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

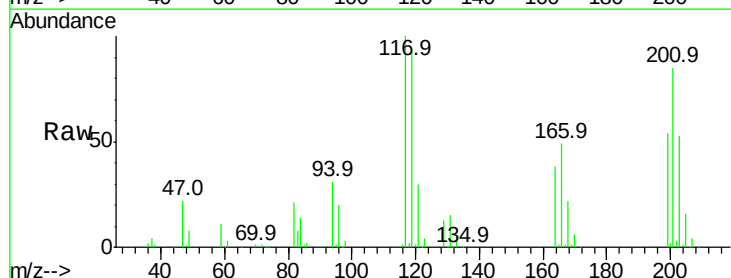
Tgt Ion:117 Resp: 111912

Ion Ratio Lower Upper

117 100

119 92.8 77.4 116.0

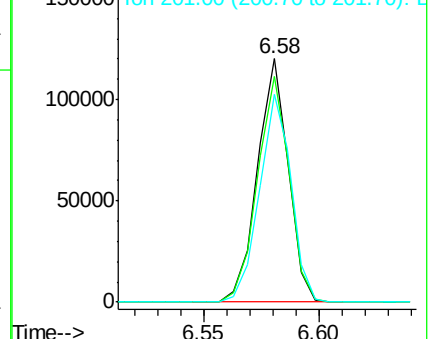
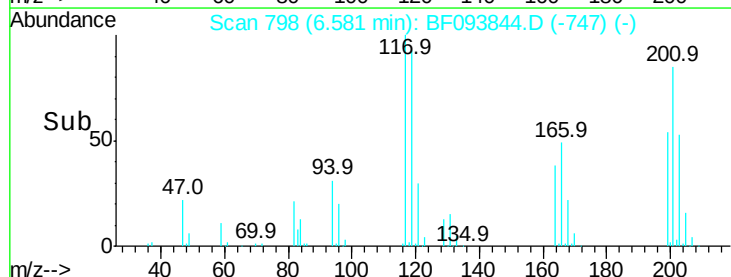
201 85.5 94.6 141.8#

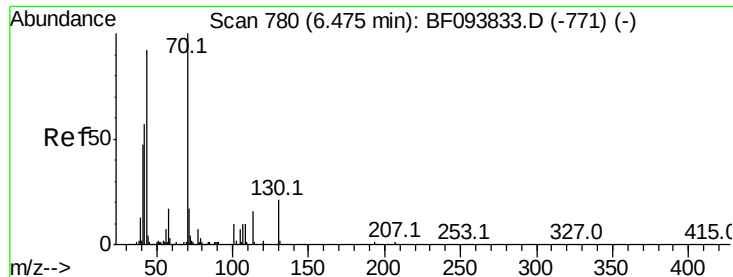


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

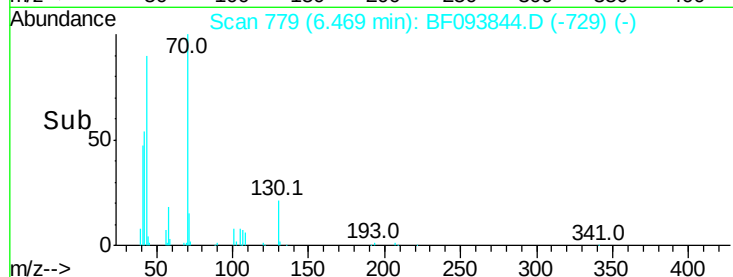
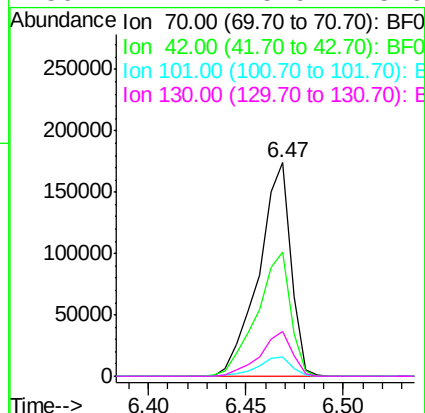
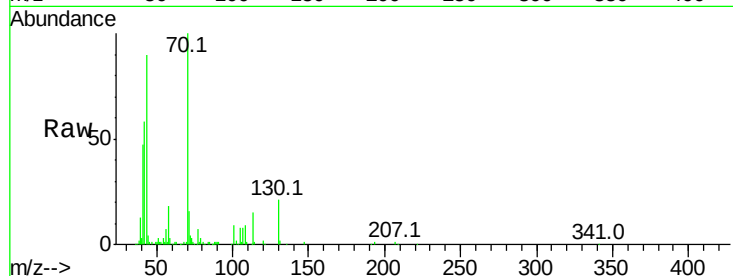




#19
n-Nitroso-di-n-propylamine
Concen: 21.47 ng
RT: 6.47 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

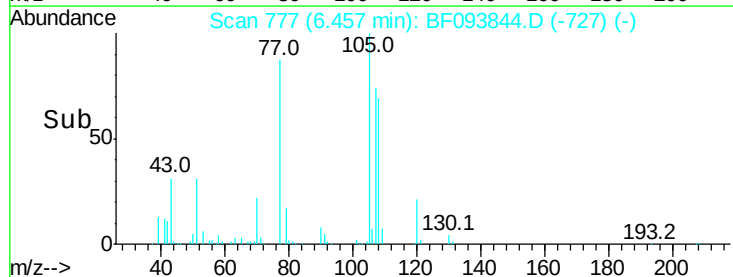
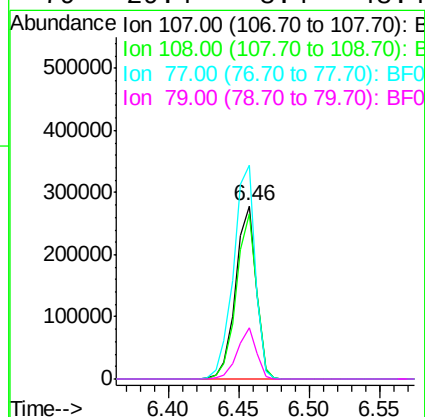
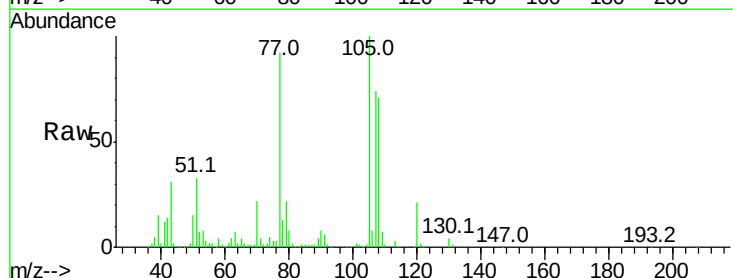
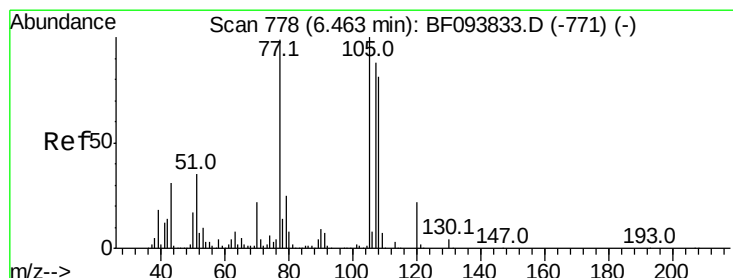
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

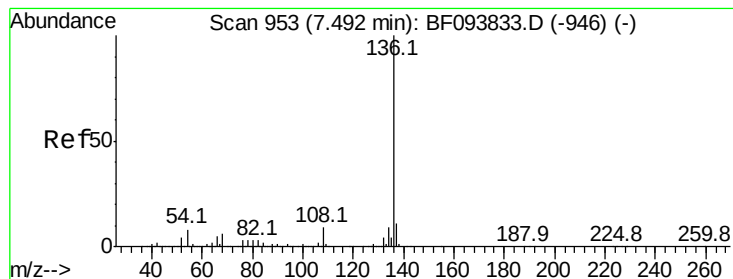
Tot Ion: 70 Resp: 198983
Ion Ratio Lower Upper
70 100
42 58.4 47.2 70.8
101 8.8 7.2 10.8
130 21.2 15.9 23.9



#20
3+4-Methylphenols
Concen: 21.30 ng
RT: 6.46 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion: 107 Resp: 283014
Ion Ratio Lower Upper
107 100
108 95.5 71.0 111.0
77 123.5 90.5 130.5
79 29.4 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: BF093844.D

Acq: 22 Mar 2017 20:45

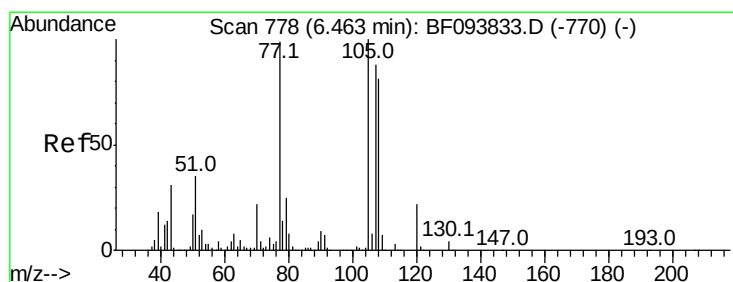
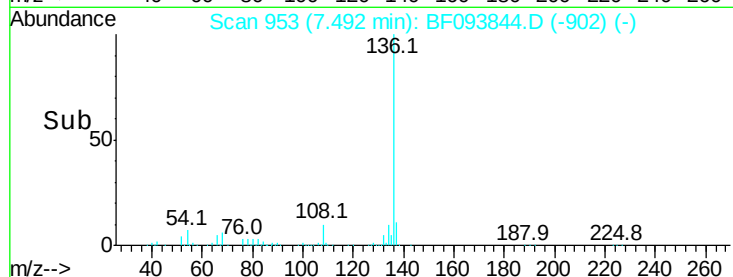
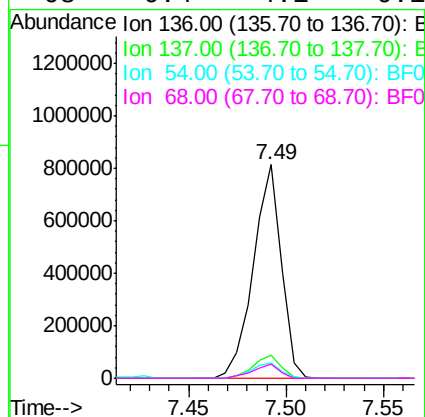
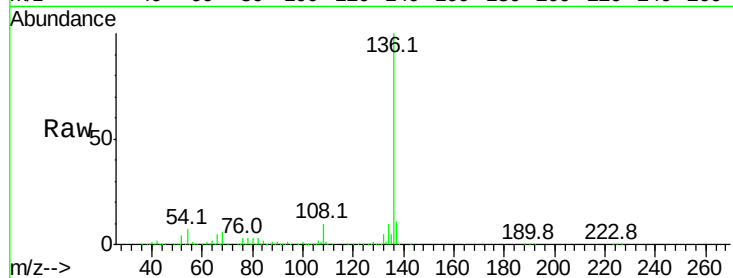
Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

Tot Ion:136	Resp:	806953
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	7.4	4.9 7.3#
68	6.4	4.1 6.1#



#22

Acetophenone

Concen: 21.59 ng

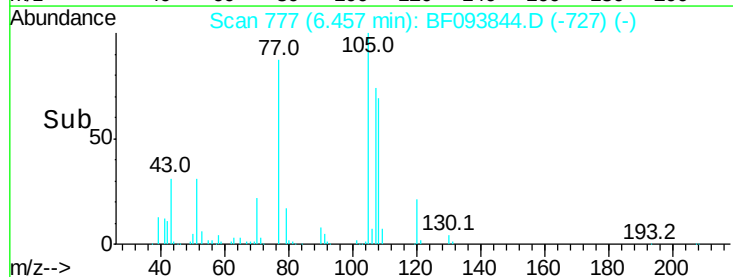
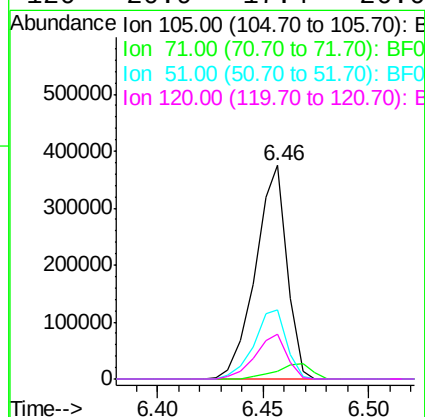
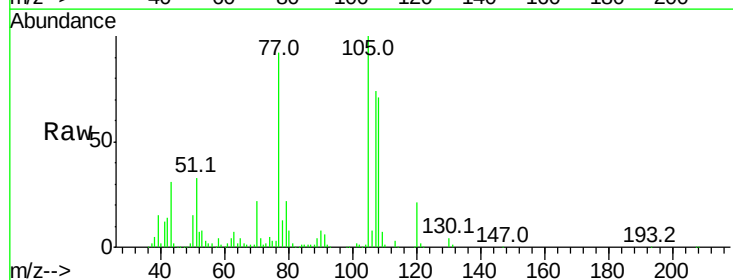
RT: 6.46 min Scan# 777

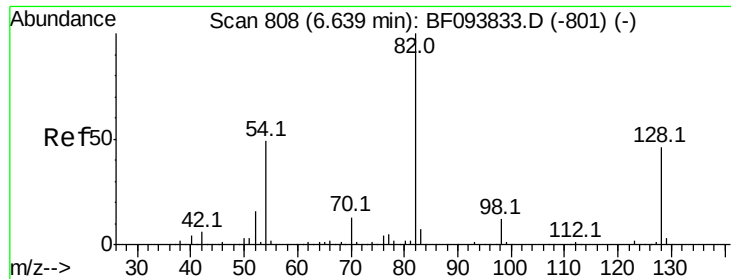
Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Tgt Ion:105	Resp:	388369
Ion Ratio	Lower	Upper
105	100	
71	3.9	2.8 4.2
51	32.5	30.7 46.1
120	20.9	17.4 26.0

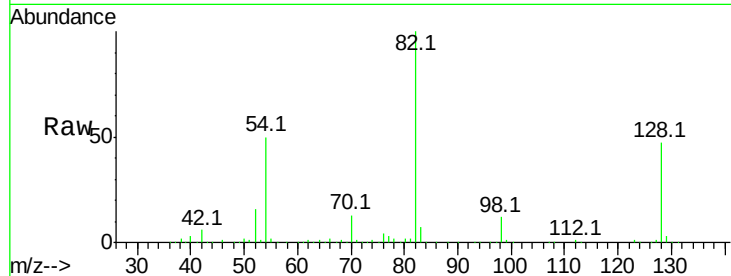




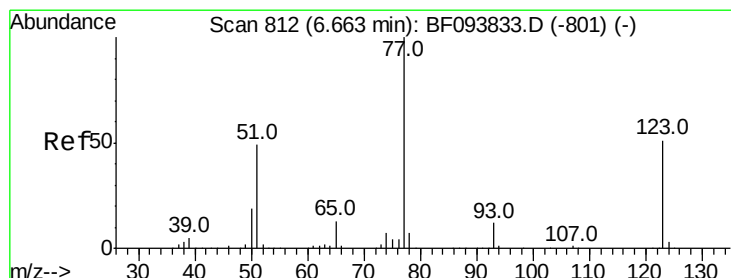
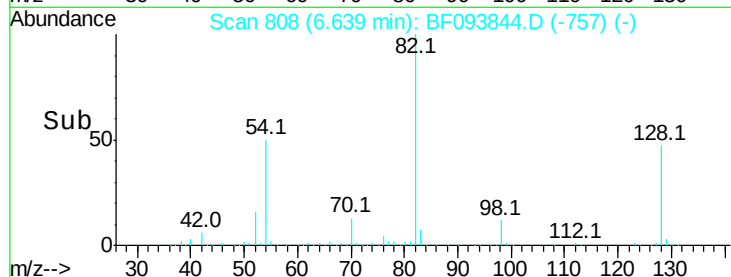
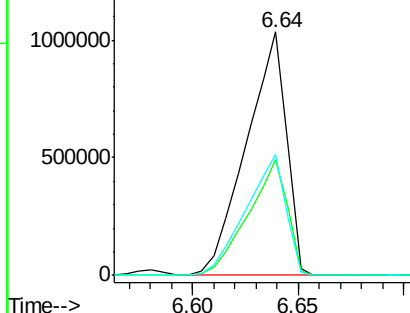
#23
 Nitrobenzene-d5
 Concen: 96.47 ng
 RT: 6.64 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion: 82 Resp: 1364120
 Ion Ratio Lower Upper
 82 100
 128 47.4 34.0 51.0
 54 49.8 42.2 63.2

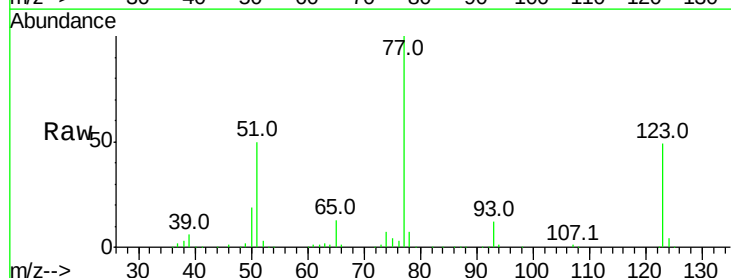


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

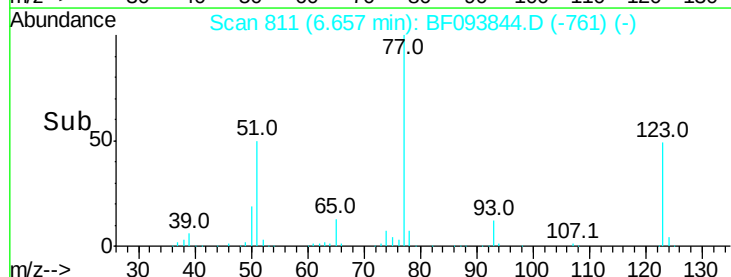
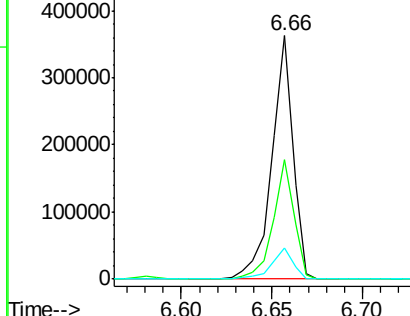


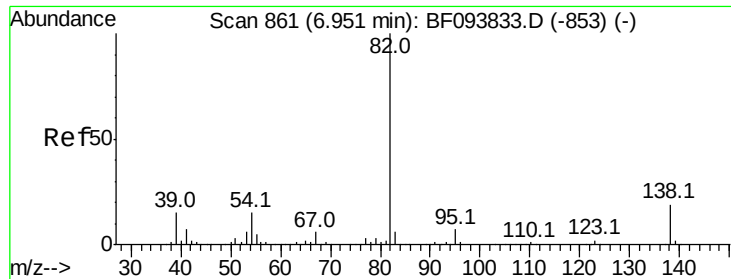
#24
 Nitrobenzene
 Concen: 21.13 ng
 RT: 6.66 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion: 77 Resp: 294634
 Ion Ratio Lower Upper
 77 100
 123 49.2 35.8 53.8
 65 13.1 10.6 15.8



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





#25

Isophorone

Concen: 21.00 ng

RT: 6.94 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

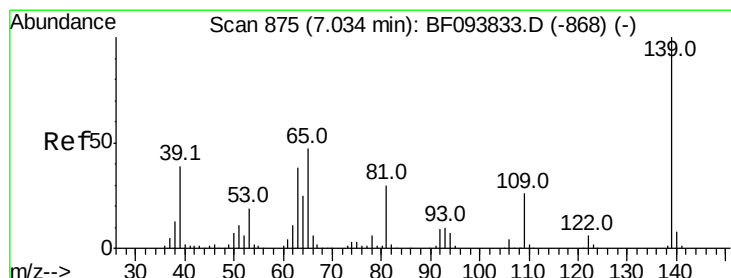
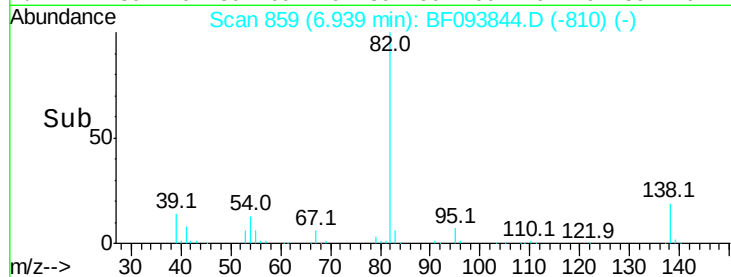
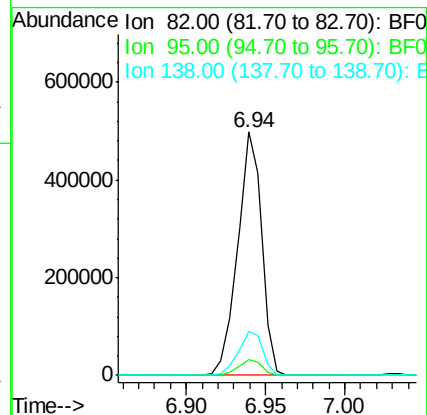
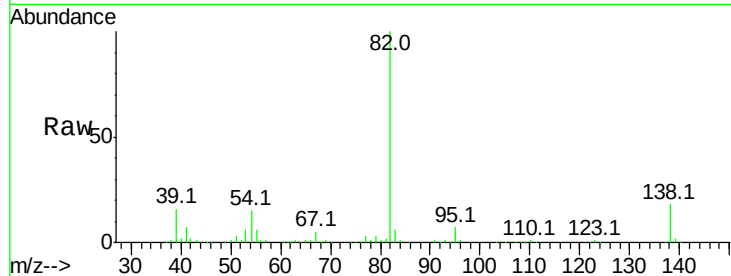
Tot Ion: 82 Resp: 521787

Ion Ratio Lower Upper

82 100

95 6.5 5.3 7.9

138 18.0 13.1 19.7



#26

2-Nitrophenol

Concen: 20.93 ng

RT: 7.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

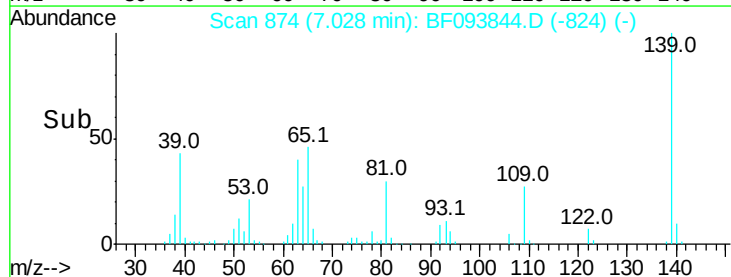
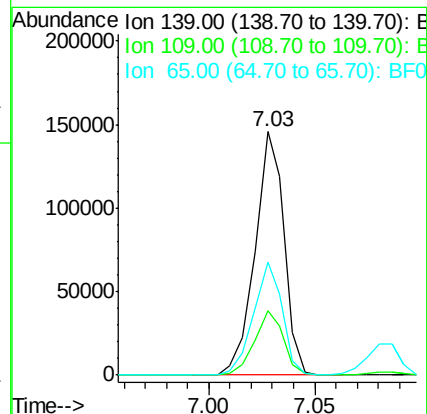
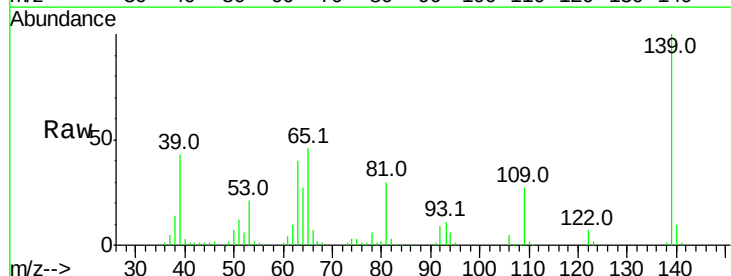
Tgt Ion: 139 Resp: 139215

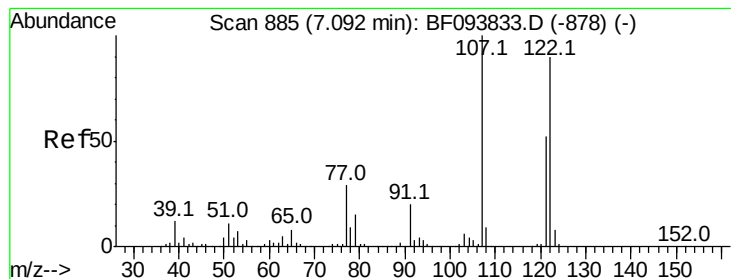
Ion Ratio Lower Upper

139 100

109 26.7 21.0 31.6

65 46.4 33.0 49.6





#27

2,4-Dimethylphenol

Concen: 20.86 ng

RT: 7.09 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

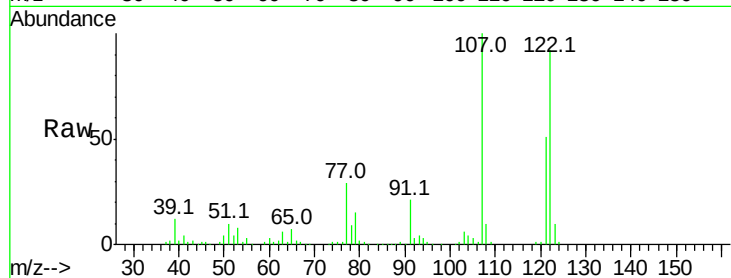
Tot Ion:122 Resp: 239017

Ion Ratio Lower Upper

122 100

107 109.0 89.2 133.8

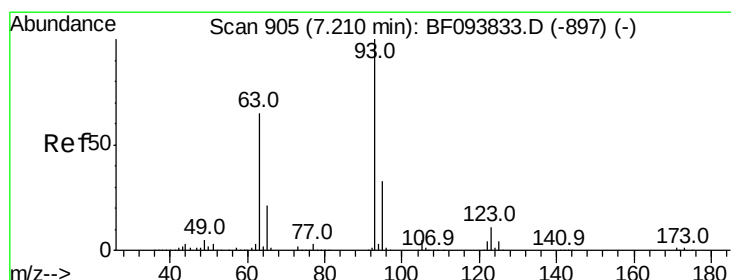
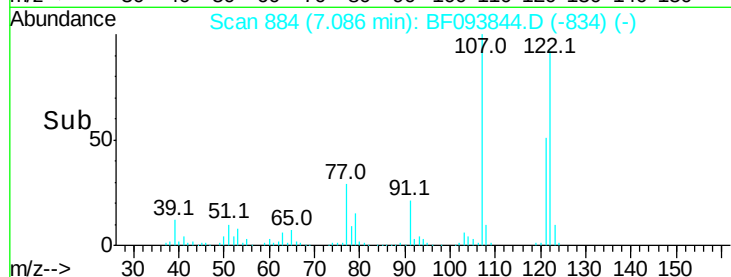
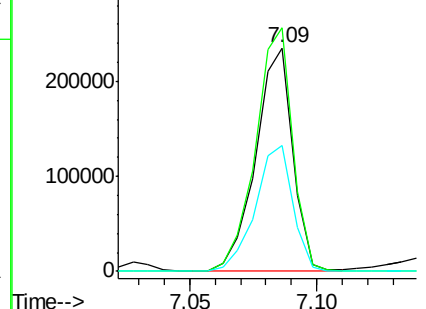
121 56.1 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 21.32 ng

RT: 7.20 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

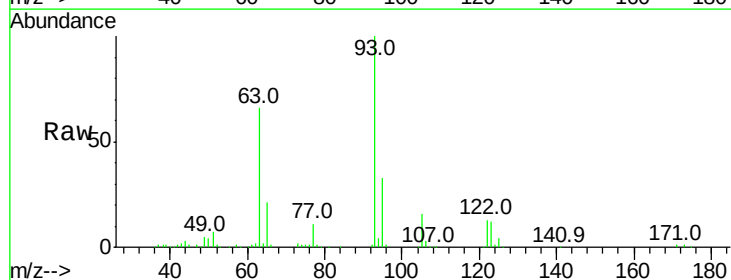
Tgt Ion: 93 Resp: 349328

Ion Ratio Lower Upper

93 100

95 33.2 26.5 39.7

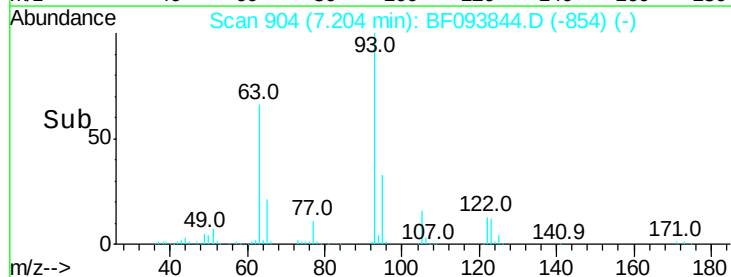
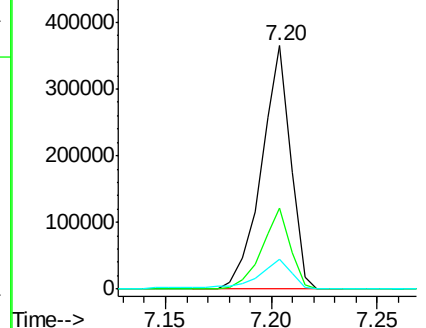
123 12.3 9.0 13.4

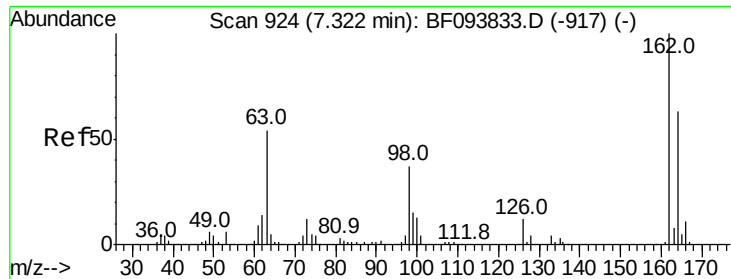


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

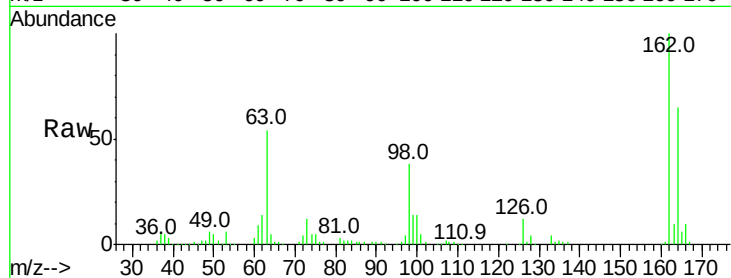




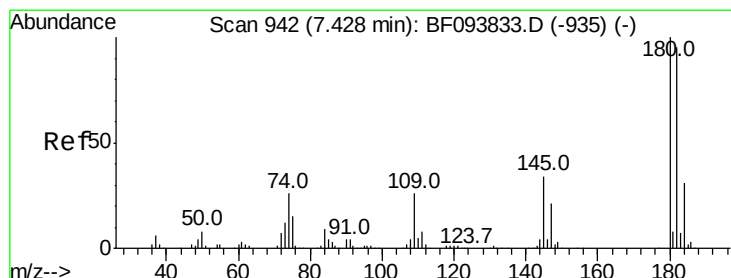
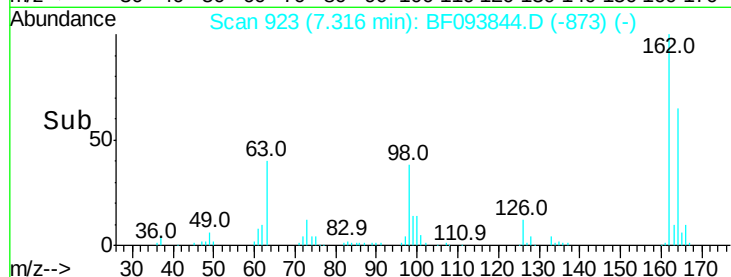
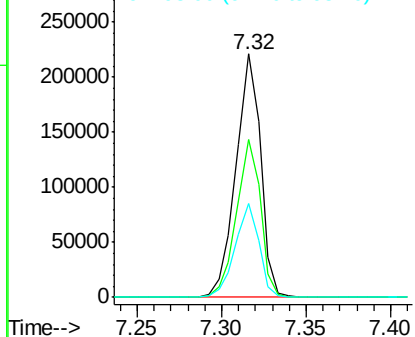
#29
 2,4-Dichlorophenol
 Concen: 21.02 ng
 RT: 7.32 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion:	162	Resp:	225235
Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.6	84.6
98	38.4	14.8	54.8

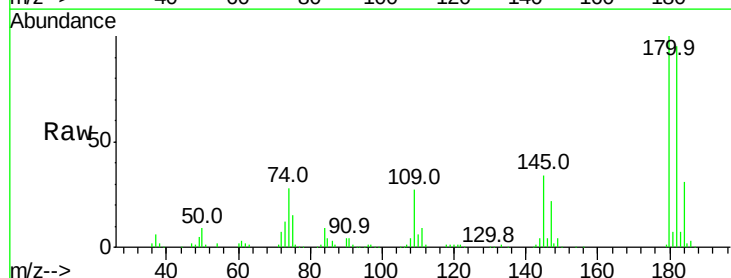


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

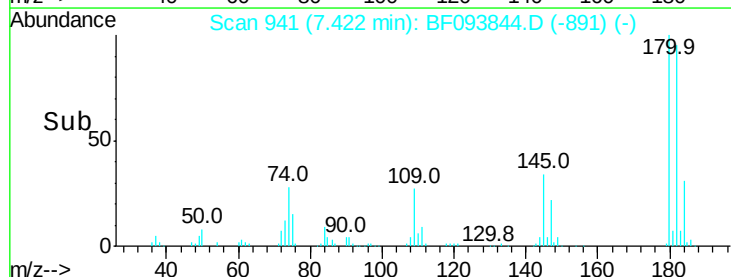
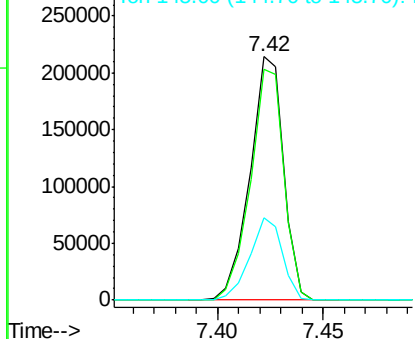


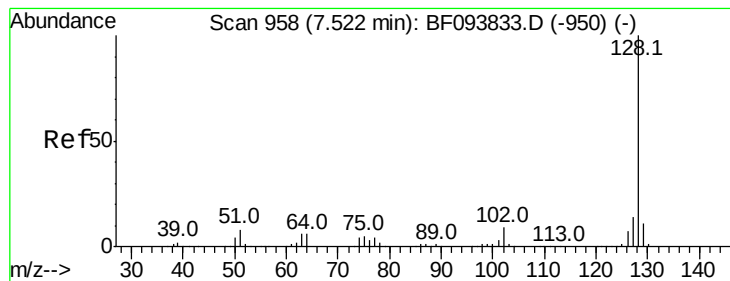
#30
 1,2,4-Trichlorobenzene
 Concen: 21.41 ng
 RT: 7.42 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:	180	Resp:	236268
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
145	33.7	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: 21.61 ng

RT: 7.52 min Scan# 957

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

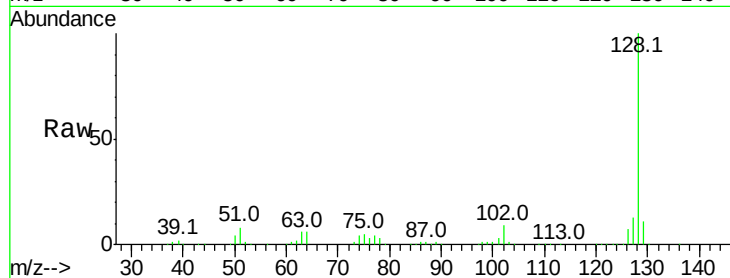
Tot Ion:128 Resp: 838522

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

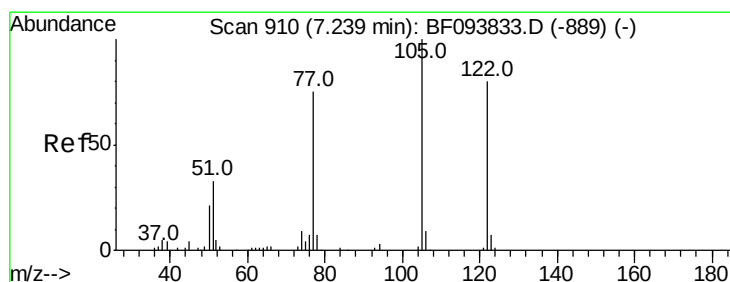
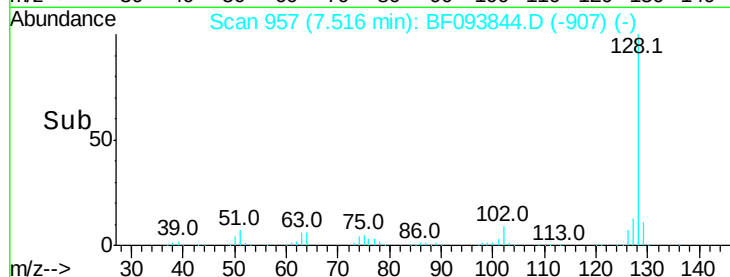
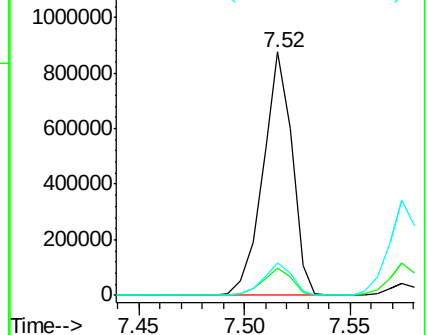
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 18.31 ng

RT: 7.20 min Scan# 904

Delta R.T. -0.04 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

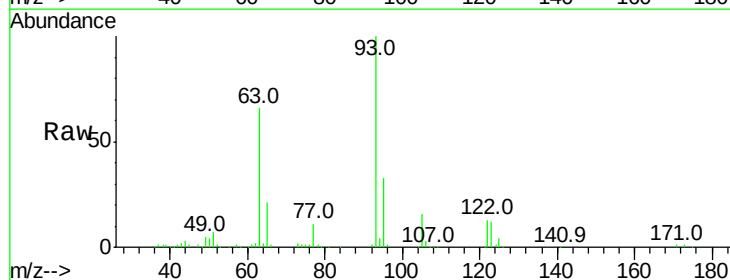
Tgt Ion:122 Resp: 139664

Ion Ratio Lower Upper

122 100

105 121.6 103.3 143.3

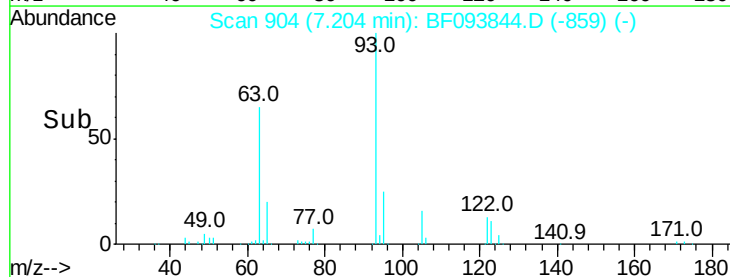
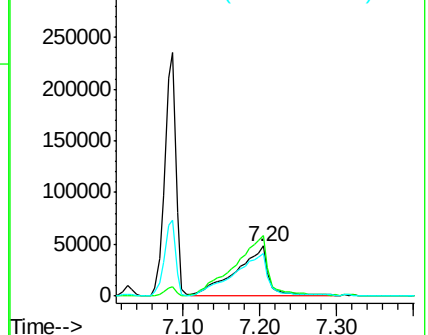
77 85.6 73.7 113.7

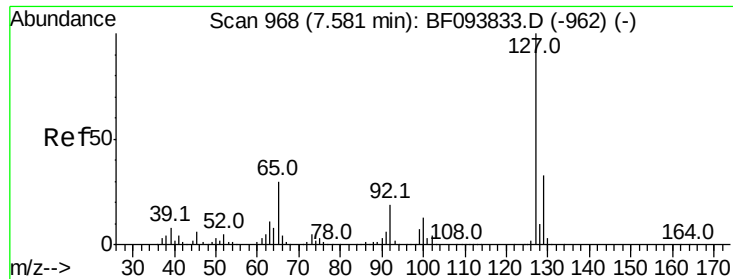


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

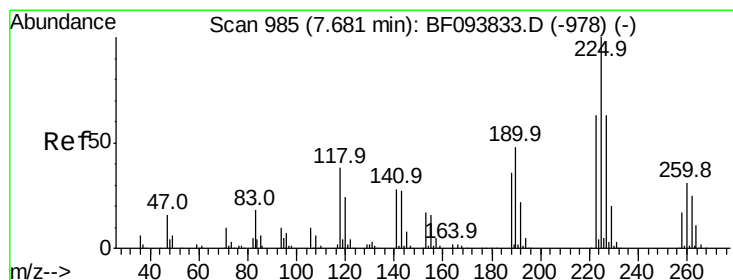
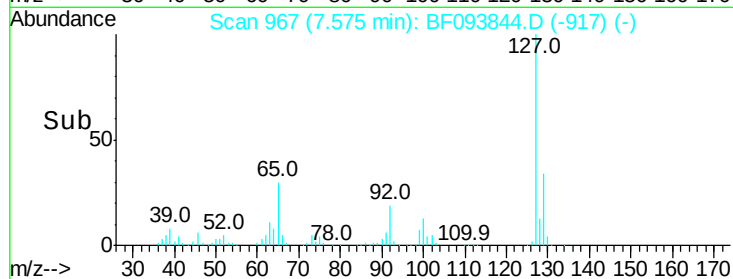
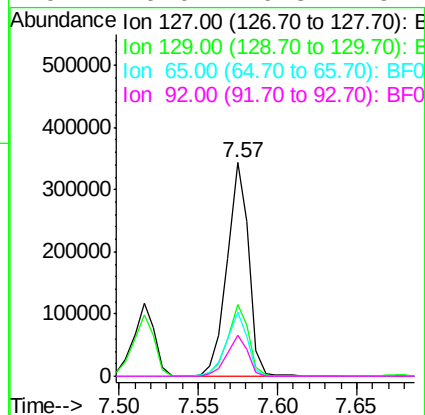
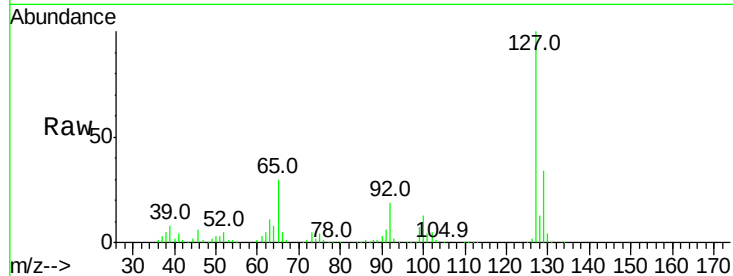




#33
4-Chloroaniline
Concen: 20.63 ng
RT: 7.57 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

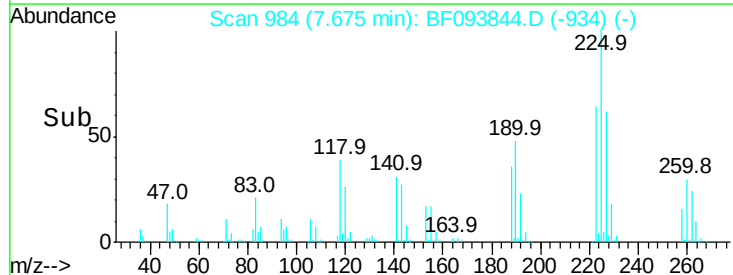
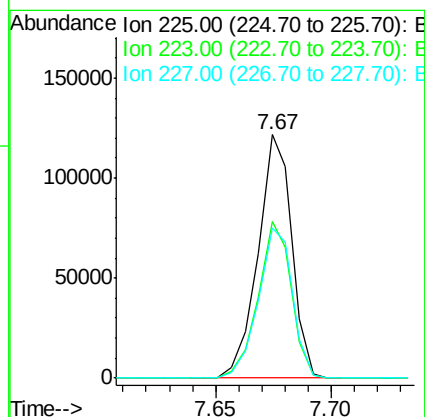
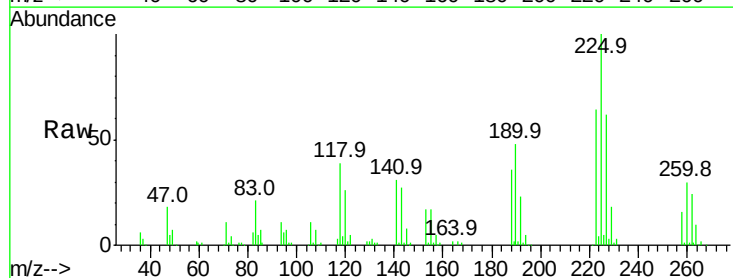
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

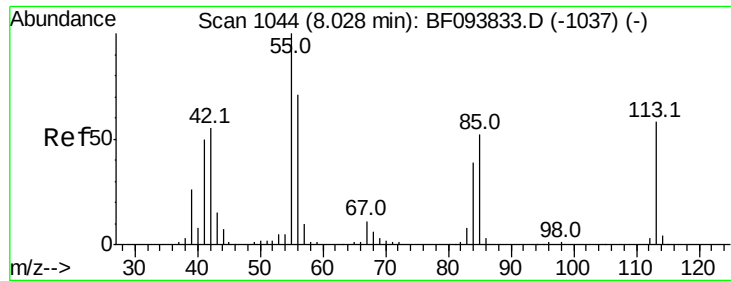
Tot Ion:	127	Resp:	324371
Ion	Ratio	Lower	Upper
127	100		
129	33.8	26.2	39.2
65	29.7	27.8	41.8
92	19.0	16.8	25.2



#34
Hexachlorobutadiene
Concen: 21.86 ng
RT: 7.67 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion:	225	Resp:	123735
Ion	Ratio	Lower	Upper
225	100		
223	64.1	48.8	73.2
227	61.6	51.1	76.7

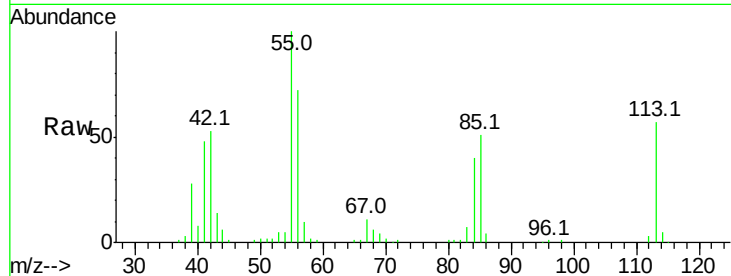




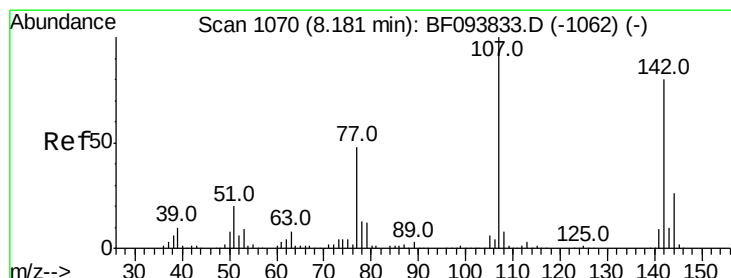
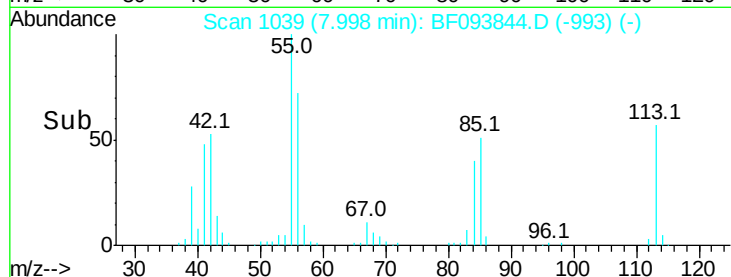
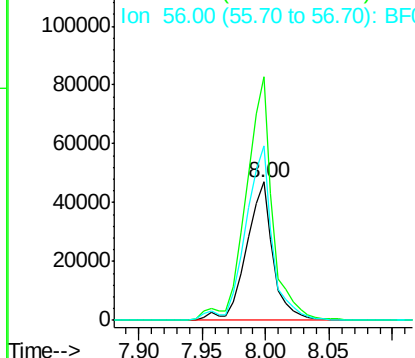
#35
 Caprolactam
 Concen: 20.14 ng
 RT: 8.00 min Scan# 1039
 Delta R.T. -0.03 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion:113 Resp: 68801
 Ion Ratio Lower Upper
 113 100
 55 175.7 150.2 190.2
 56 126.1 107.8 147.8

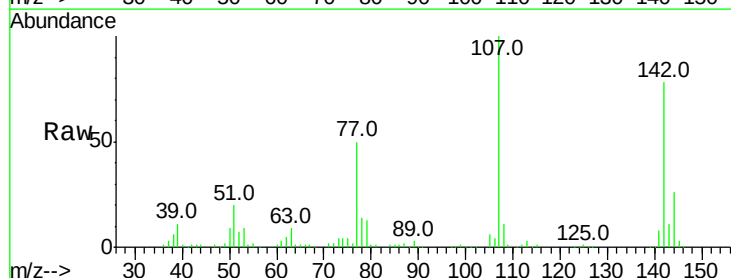


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

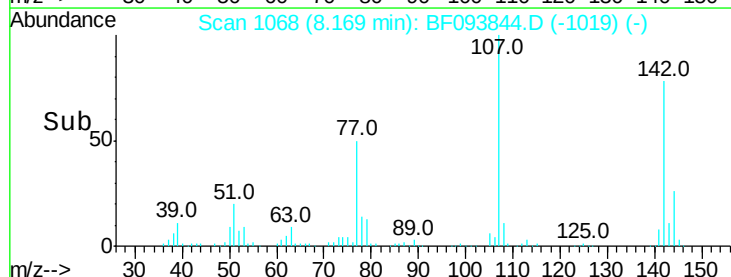
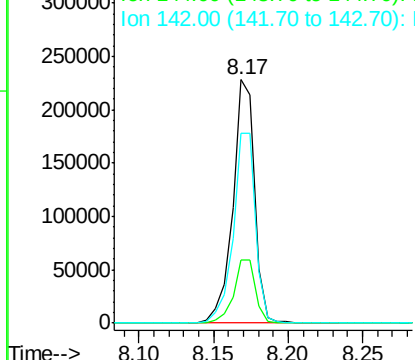


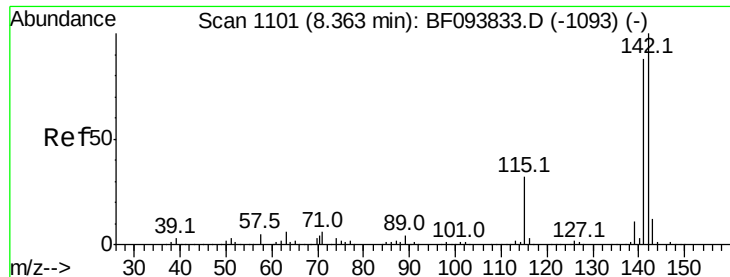
#36
 4-Chloro-3-methylphenol
 Concen: 20.91 ng
 RT: 8.17 min Scan# 1068
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:107 Resp: 234110
 Ion Ratio Lower Upper
 107 100
 144 26.2 24.2 36.4
 142 78.2 73.4 110.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

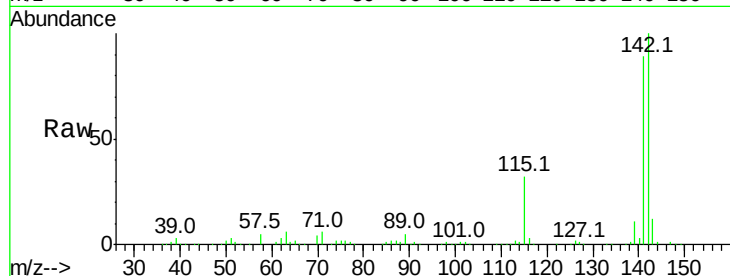




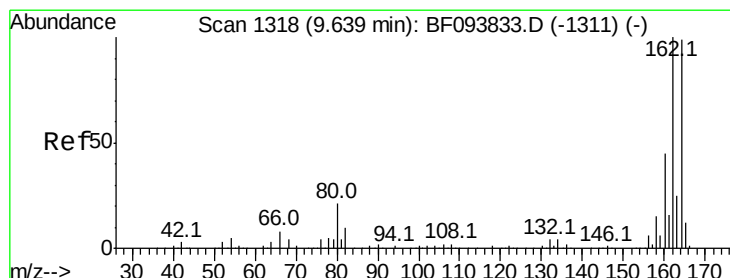
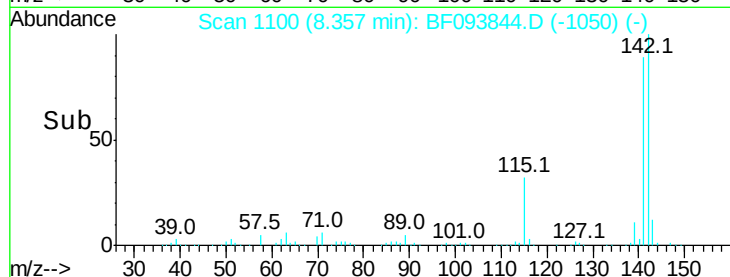
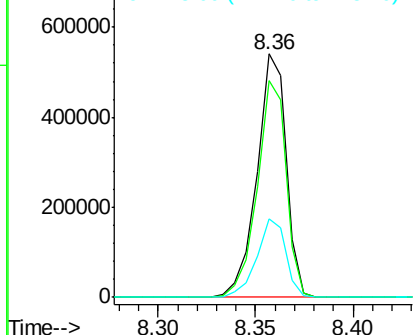
#37
 2-Methylnaphthalene
 Concen: 21.69 ng
 RT: 8.36 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.3	106.9
115	32.2	27.1	40.7

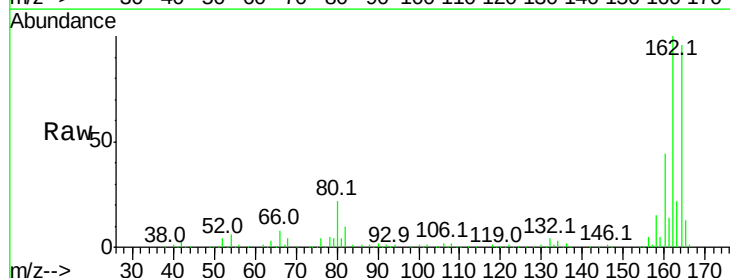


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

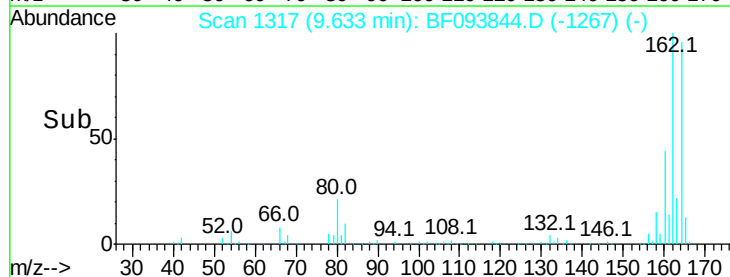
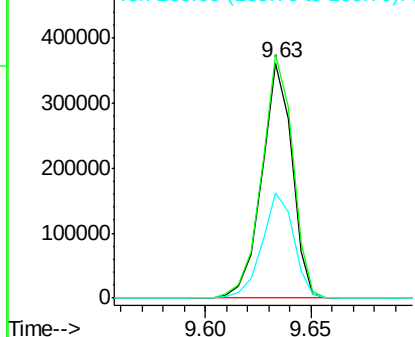


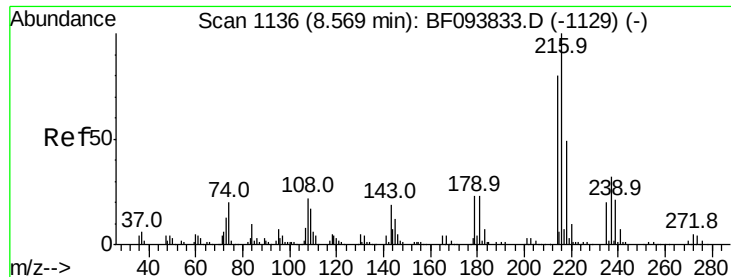
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.6	123.8
160	45.2	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

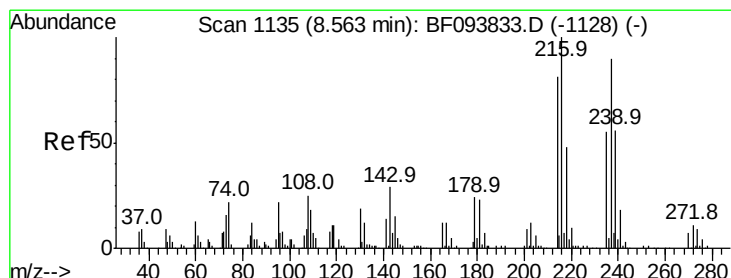
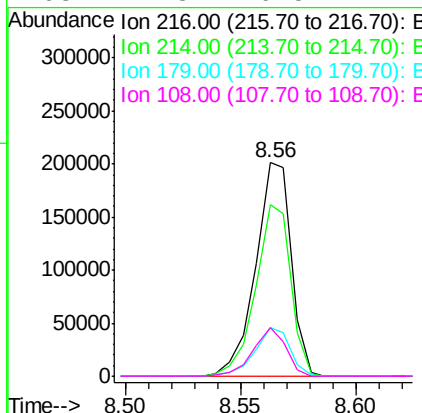
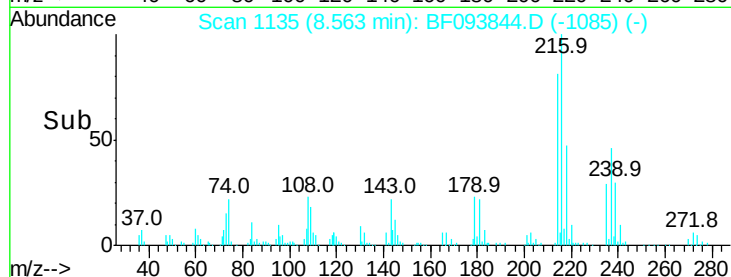
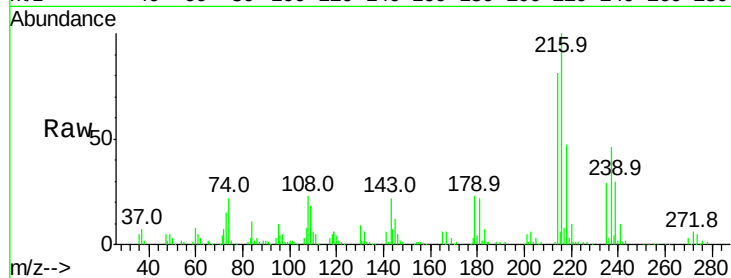




#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 22.04 ng
 RT: 8.56 min Scan# 1135
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

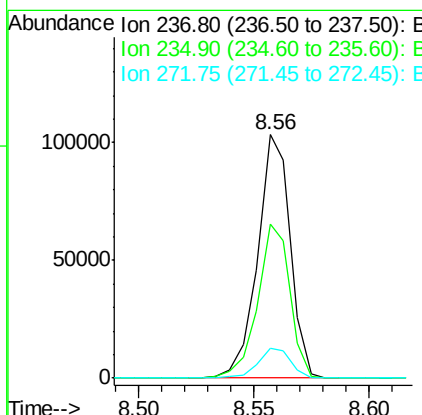
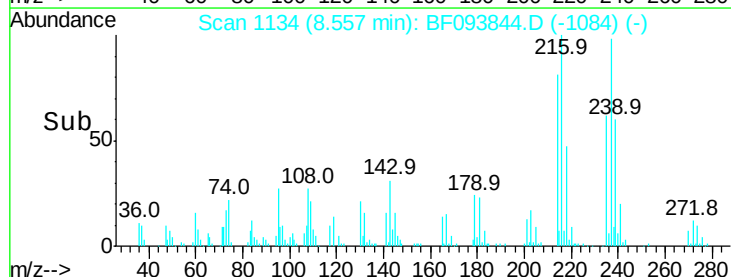
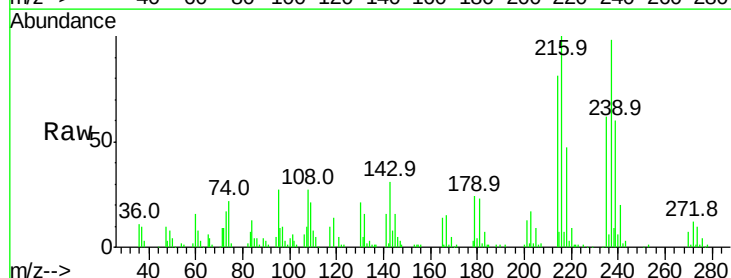
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

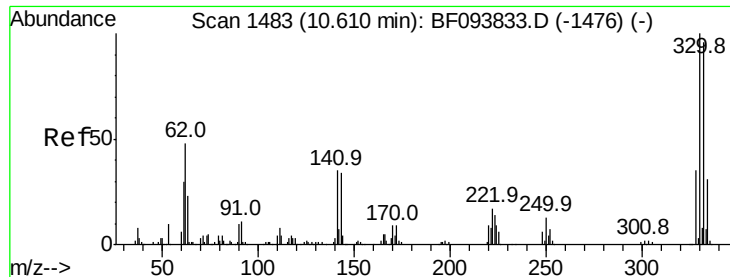
Tot Ion:	216	Resp:	216806
Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.4	95.2
179	22.3	17.9	26.9
108	21.3	16.5	24.7



#40
 Hexachlorocyclopentadiene
 Concen: 22.13 ng
 RT: 8.56 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:	237	Resp:	101876
Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.6	82.6
272	12.3	0.0	31.9

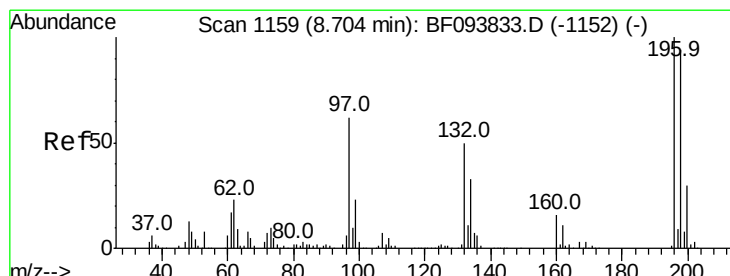
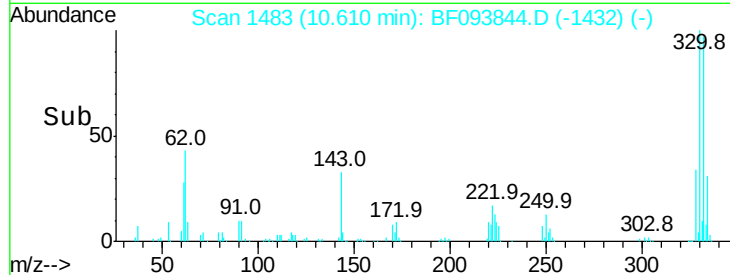
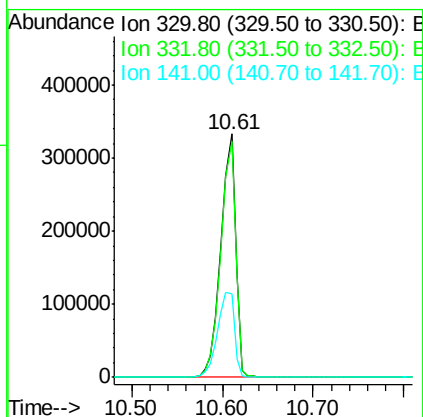
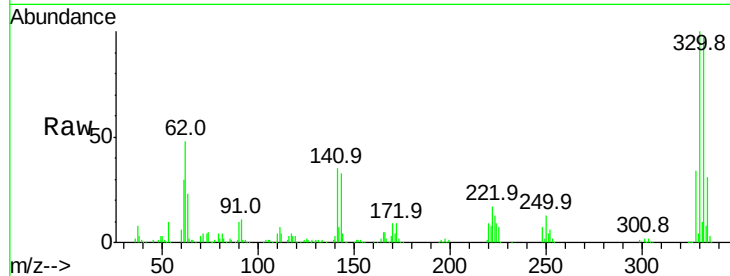




#41
 2,4,6-Tribromophenol
 Concen: 132.29 ng
 RT: 10.61 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

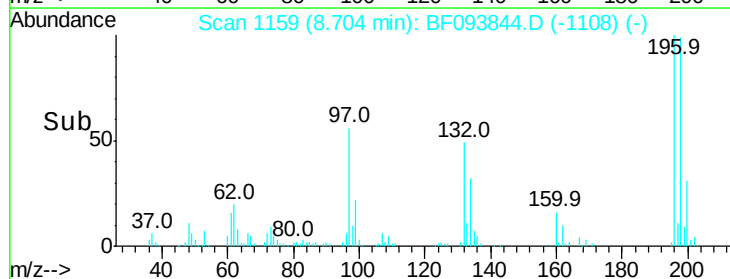
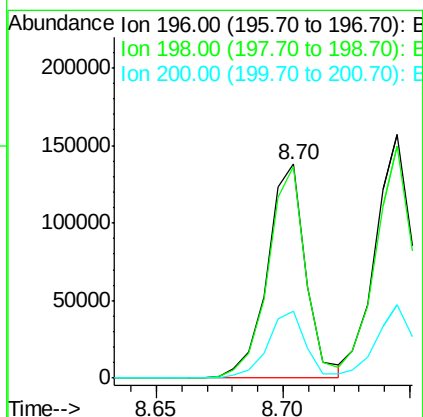
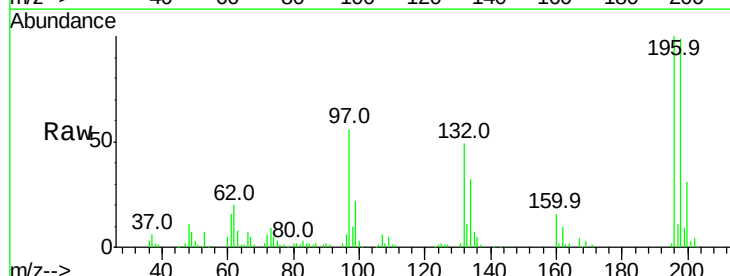
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

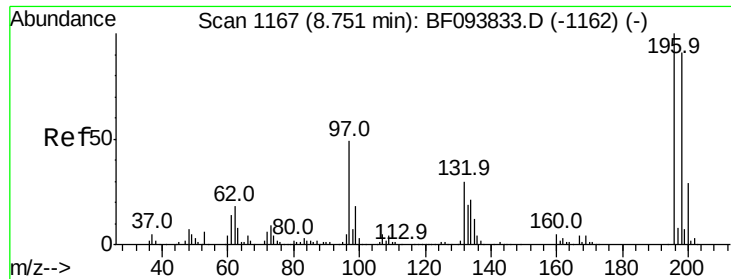
Tot Ion:330 Resp: 375929
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.6 115.0
 141 40.0 31.4 47.2



#42
 2,4,6-Trichlorophenol
 Concen: 20.98 ng
 RT: 8.70 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:196 Resp: 146023
 Ion Ratio Lower Upper
 196 100
 198 98.9 74.2 111.4
 200 31.2 24.0 36.0

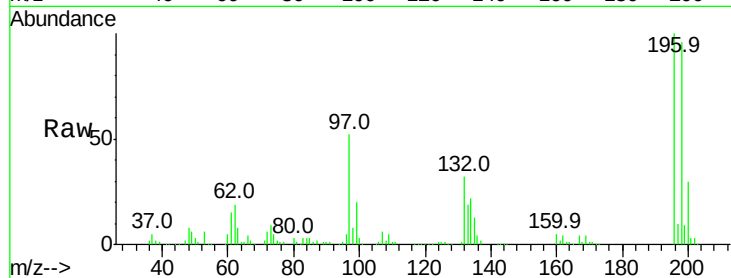




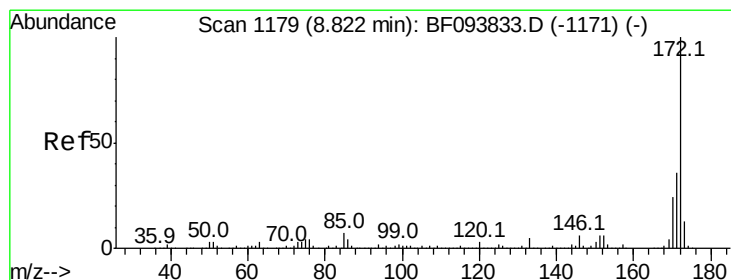
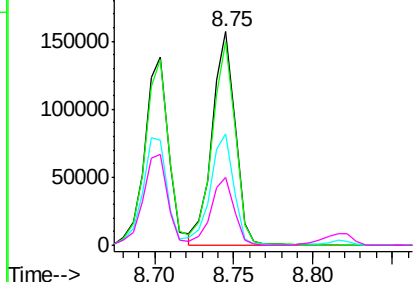
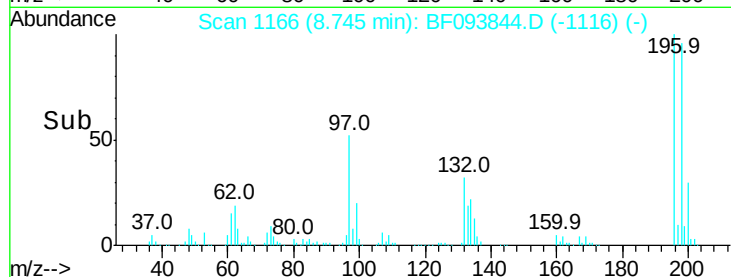
#43
 2,4,5-Trichlorophenol
 Concen: 21.17 ng
 RT: 8.75 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion:196 Resp: 159458
 Ion Ratio Lower Upper
 196 100
 198 95.6 75.7 113.5
 97 52.1 47.7 71.5
 132 31.9 28.0 42.0

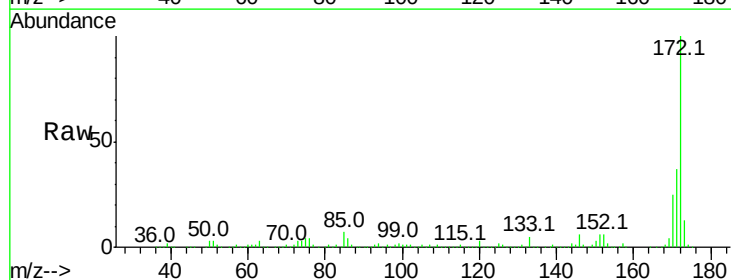


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

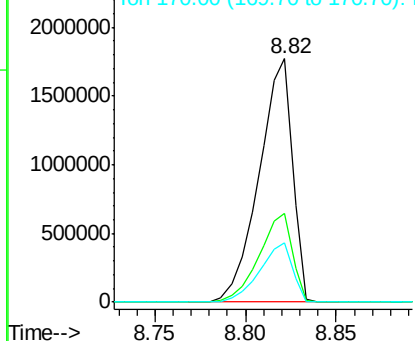
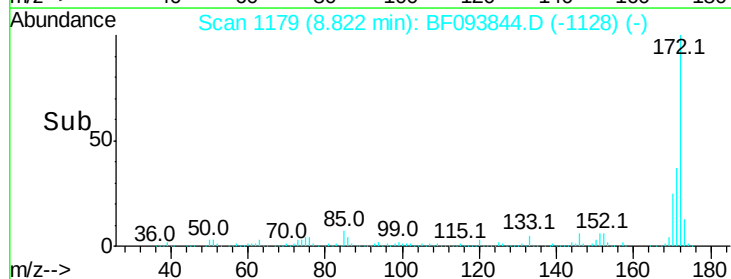


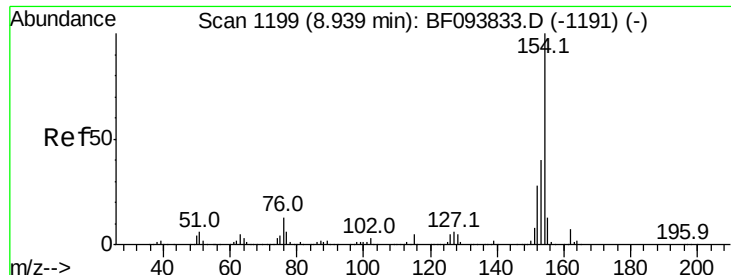
#44
 2-Fluorobiphenyl
 Concen: 95.87 ng
 RT: 8.82 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:172 Resp: 2260503
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.6 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

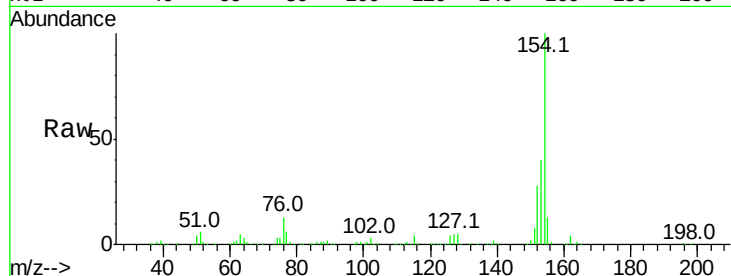




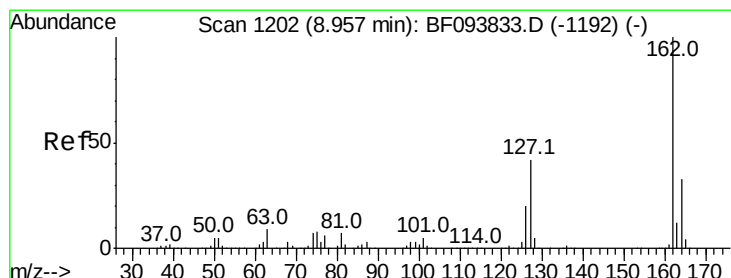
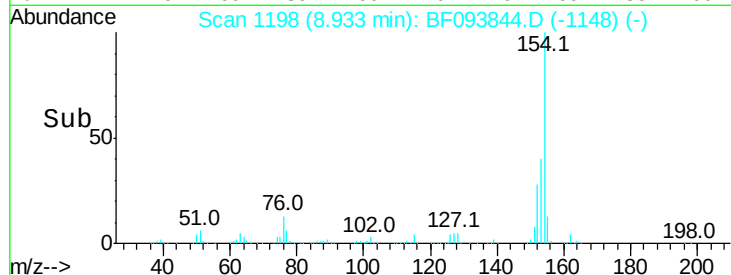
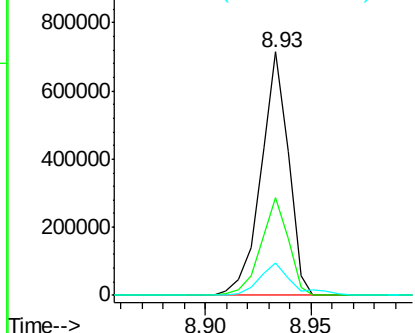
#45
 1,1'-Biphenyl
 Concen: 22.29 ng
 RT: 8.93 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion:	154	Resp:	646685
Ion	Ratio	Lower	Upper
154	100		
153	40.3	21.2	61.2
76	13.2	0.0	29.9

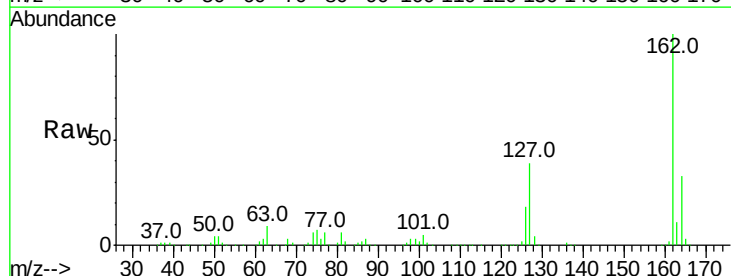


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

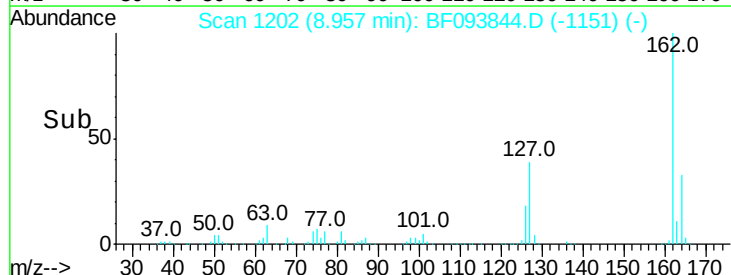
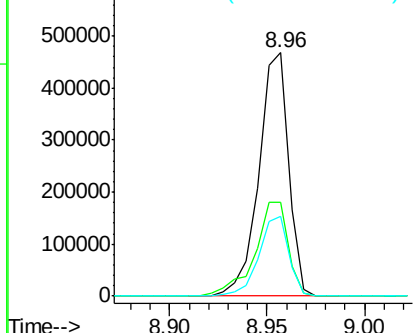


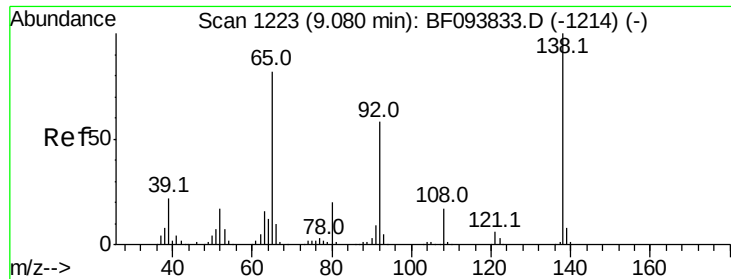
#46
 2-Chloronaphthalene
 Concen: 21.76 ng
 RT: 8.96 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:	162	Resp:	494087
Ion	Ratio	Lower	Upper
162	100		
127	38.6	28.3	42.5
164	32.7	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: 20.72 ng

RT: 9.07 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

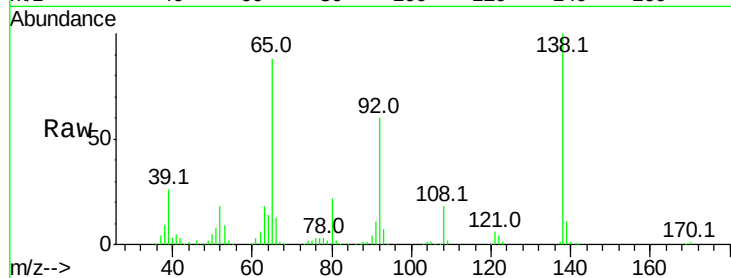
Tot Ion: 65 Resp: 139574

Ion Ratio Lower Upper

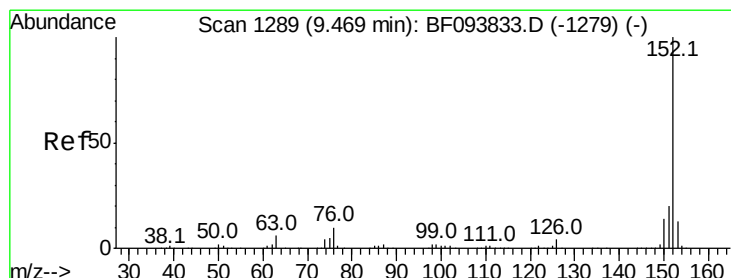
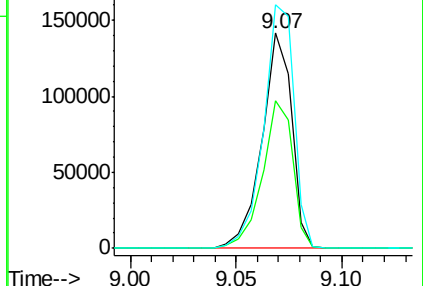
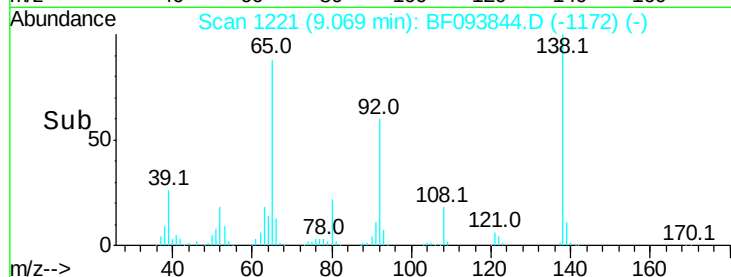
65 100

92 68.3 53.9 80.9

138 113.0 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: 21.82 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

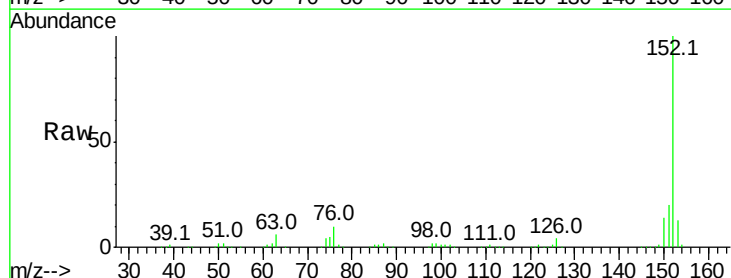
Tgt Ion: 152 Resp: 823606

Ion Ratio Lower Upper

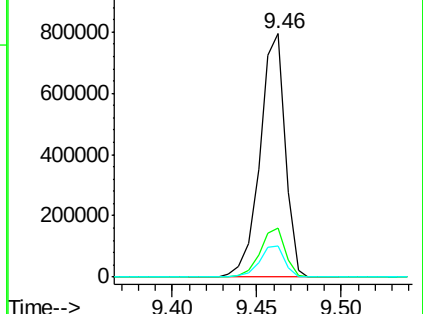
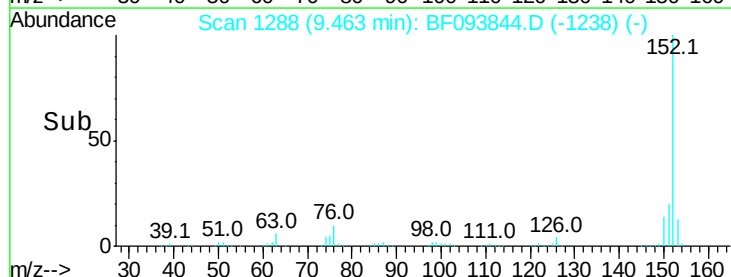
152 100

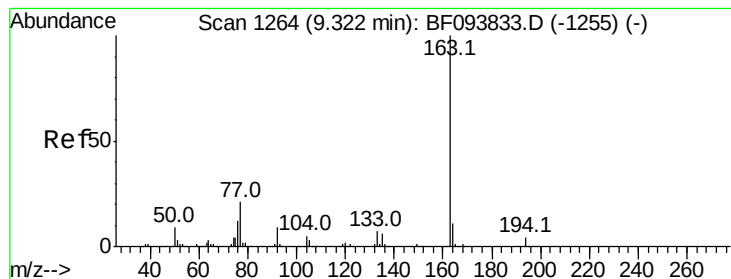
151 19.9 16.8 25.2

153 12.9 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: 21.53 ng

RT: 9.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

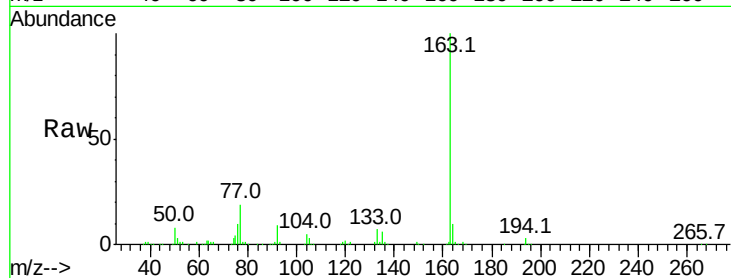
Tot Ion:163 Resp: 550457

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

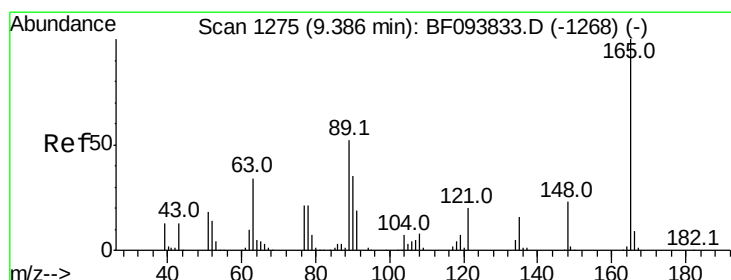
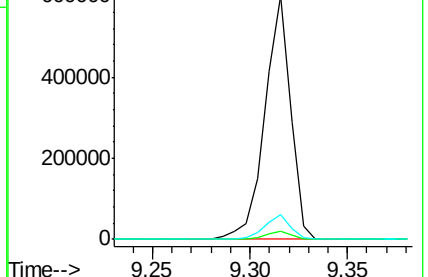
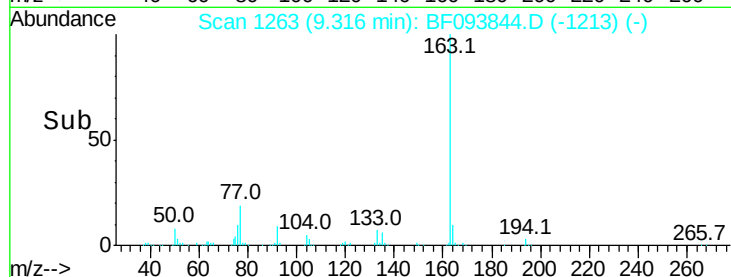
164 10.3 8.4 12.6



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: 21.53 ng

RT: 9.37 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

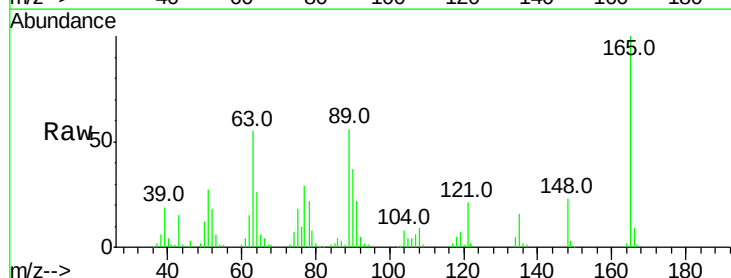
Tgt Ion:165 Resp: 126157

Ion Ratio Lower Upper

165 100

63 54.6 34.3 51.5#

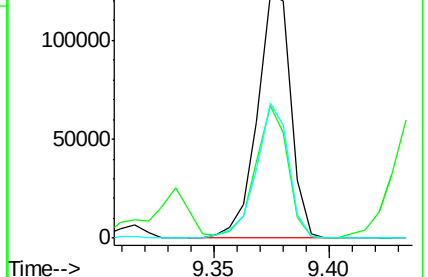
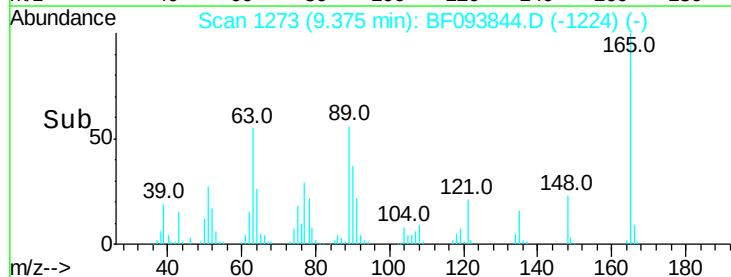
89 55.6 37.1 55.7

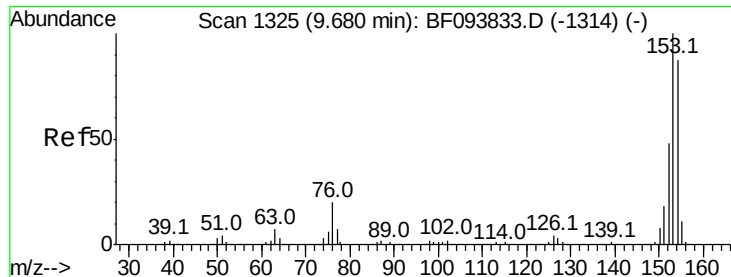


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 21.92 ng

RT: 9.67 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

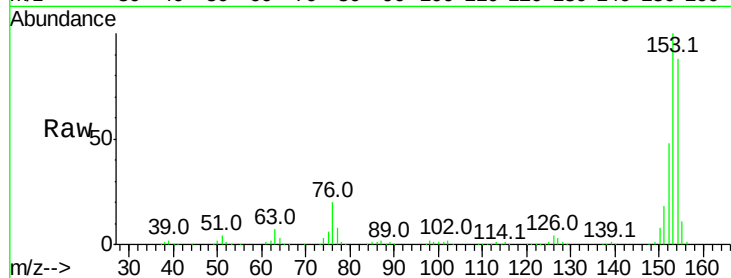
Tot Ion:154 Resp: 482751

Ion Ratio Lower Upper

154 100

153 114.2 90.5 135.7

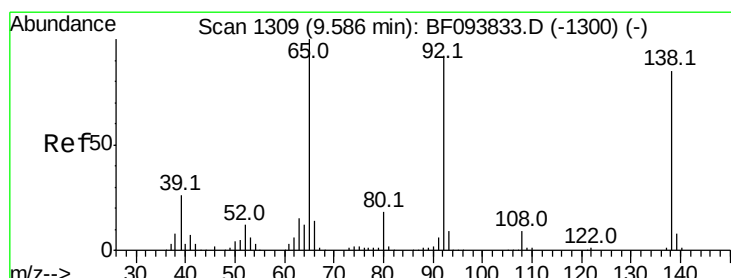
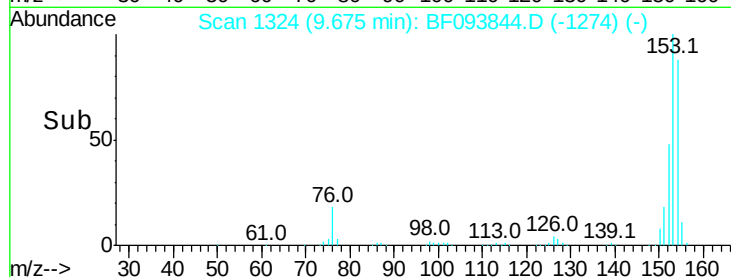
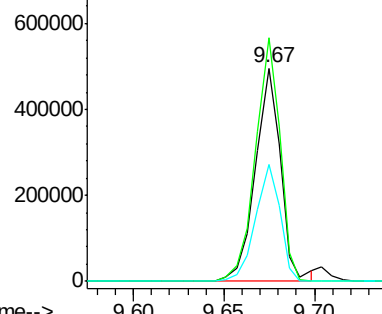
152 54.9 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 20.47 ng

RT: 9.57 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

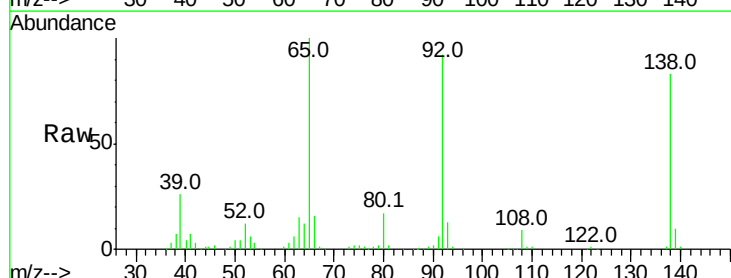
Tgt Ion:138 Resp: 140843

Ion Ratio Lower Upper

138 100

108 10.7 9.1 13.7

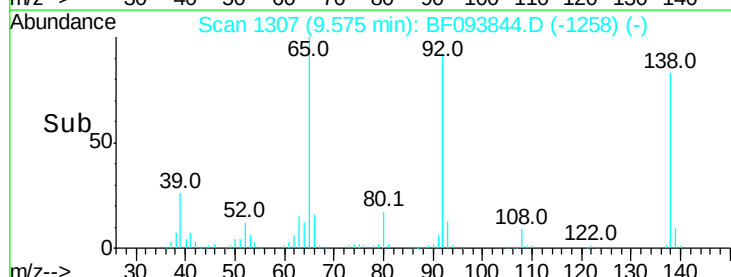
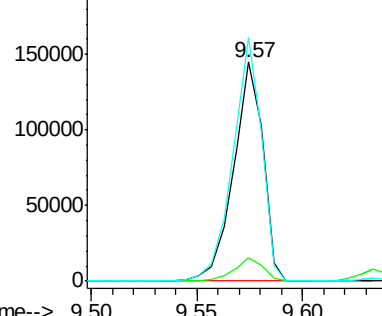
92 111.2 93.8 140.6

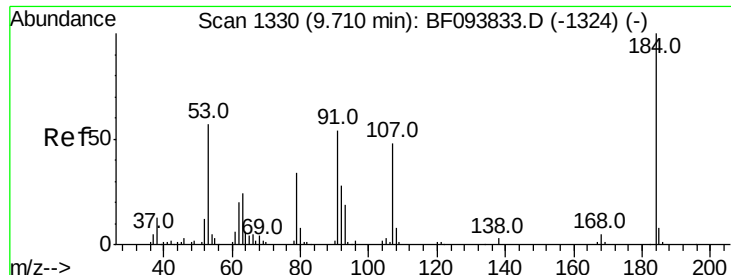


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

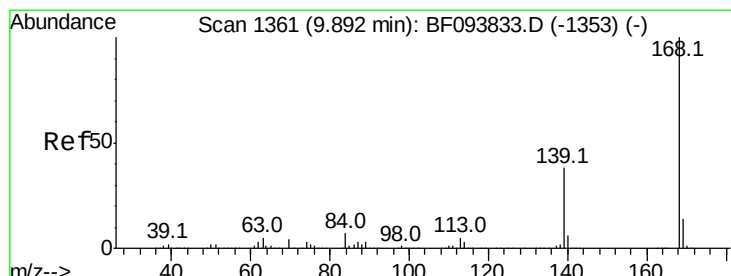
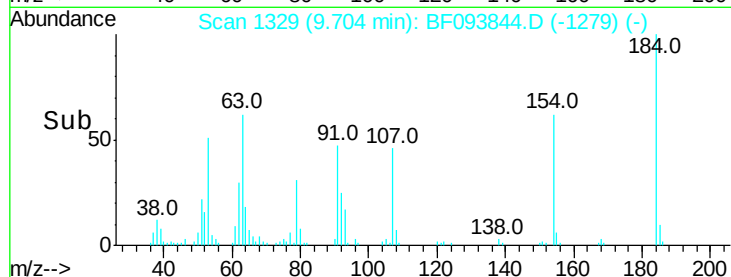
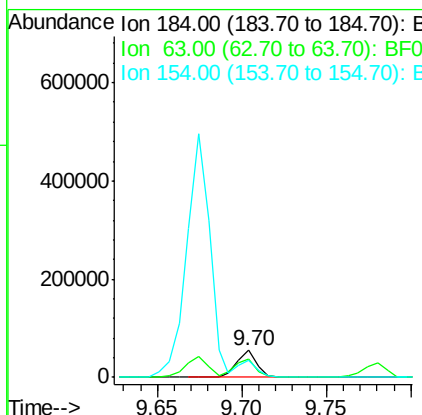
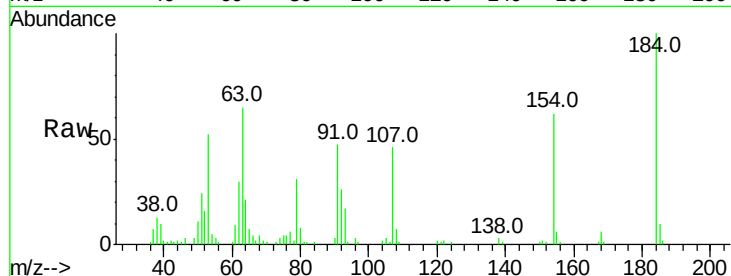




#53
 2,4-Dinitrophenol
 Concen: 18.85 ng
 RT: 9.70 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

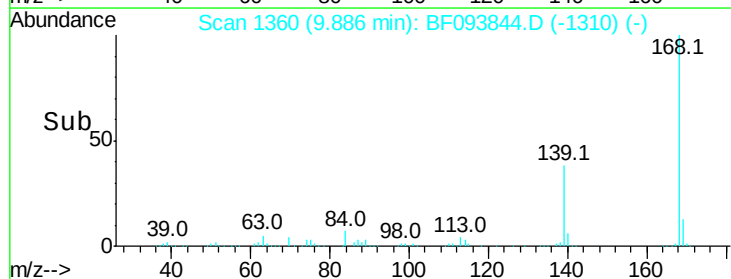
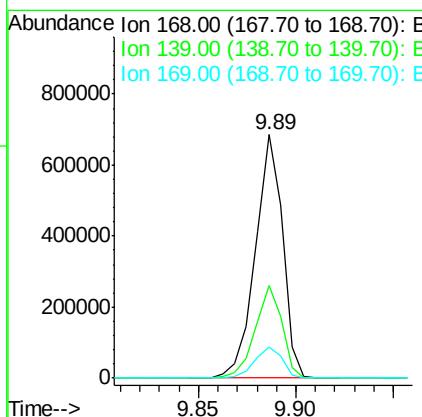
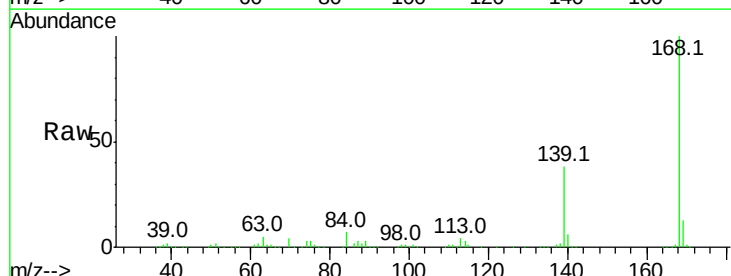
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

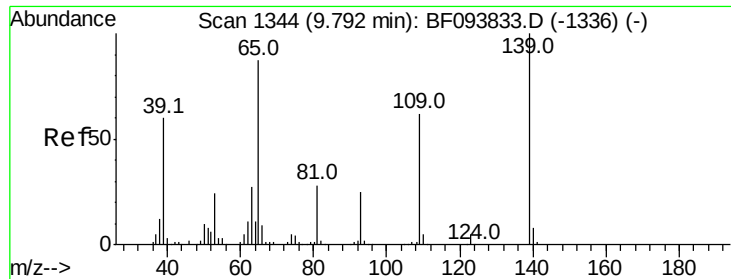
Tot Ion:184 Resp: 47253
 Ion Ratio Lower Upper
 184 100
 63 65.3 62.7 94.1
 154 62.0 81.1 121.7#



#54
 Dibenzofuran
 Concen: 22.07 ng
 RT: 9.89 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:168 Resp: 661662
 Ion Ratio Lower Upper
 168 100
 139 37.9 30.6 45.8
 169 12.9 10.8 16.2

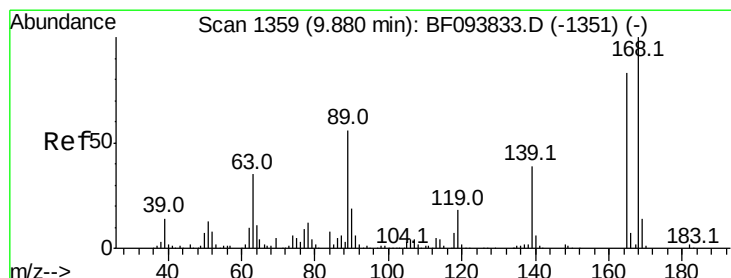
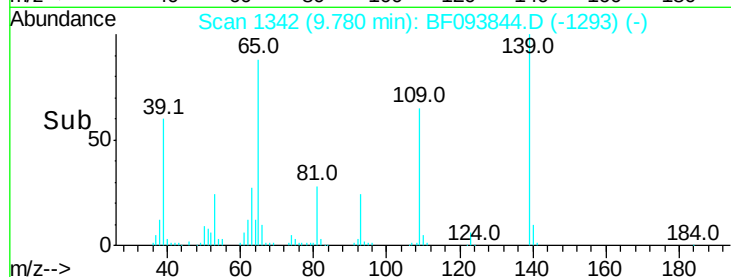
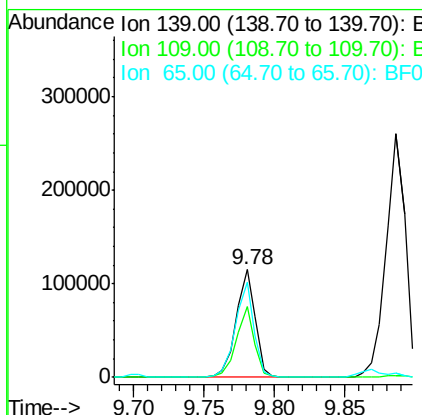
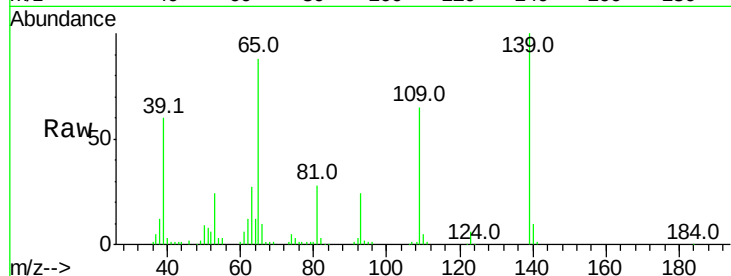




#55
4-Nitrophenol
Concen: 20.11 ng
RT: 9.78 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

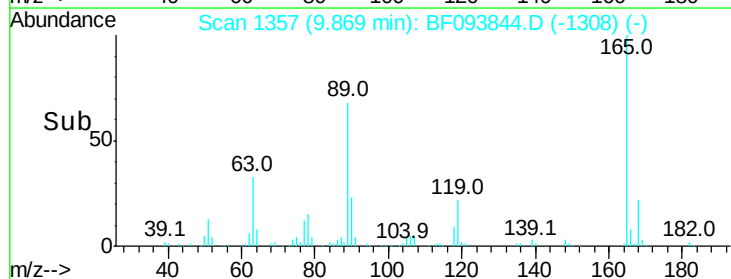
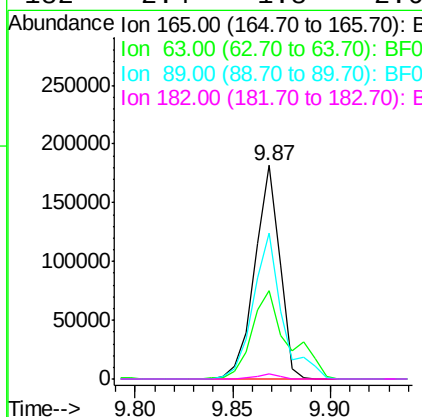
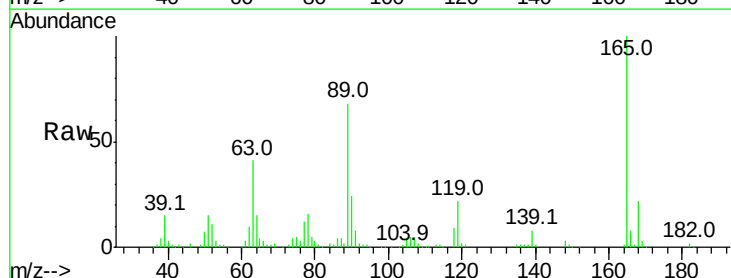
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

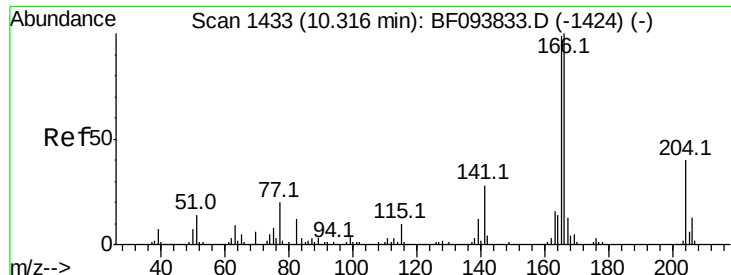
Tot Ion:139 Resp: 108364
Ion Ratio Lower Upper
139 100
109 65.4 34.1 74.1
65 88.0 31.4 71.4#



#56
2,4-Dinitrotoluene
Concen: 21.95 ng
RT: 9.87 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion:165 Resp: 161547
Ion Ratio Lower Upper
165 100
63 41.3 25.4 38.0#
89 68.5 46.4 69.6
182 2.4 1.8 2.6

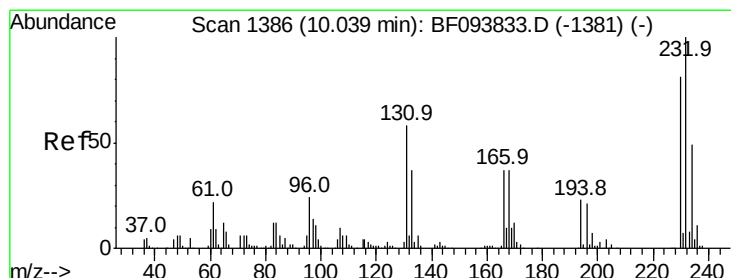
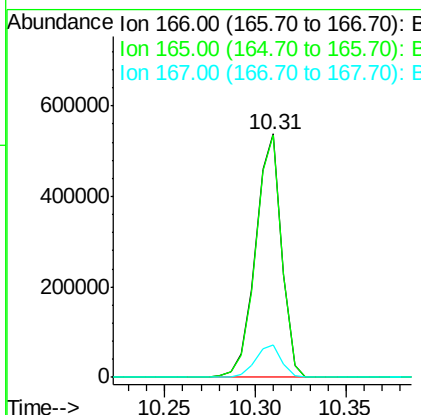
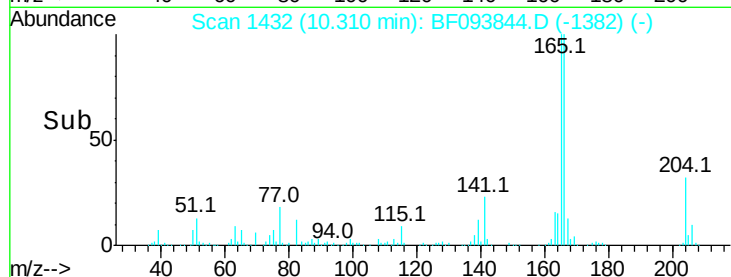
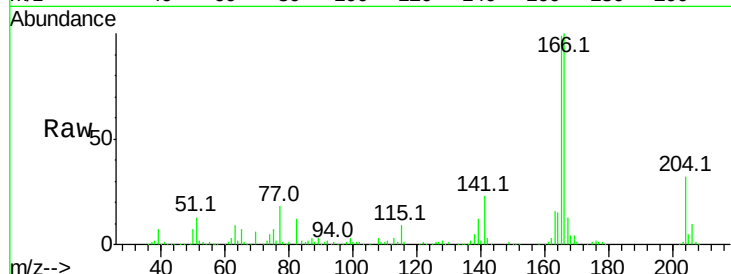




#57
Fluorene
 Concen: 21.45 ng
 RT: 10.31 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

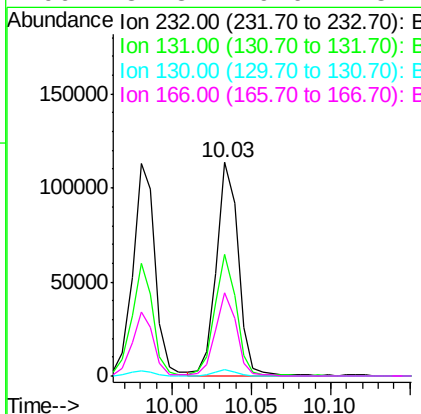
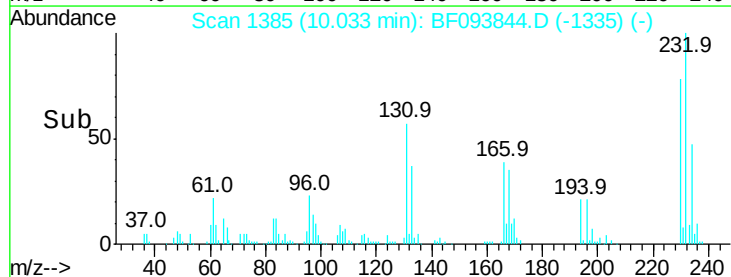
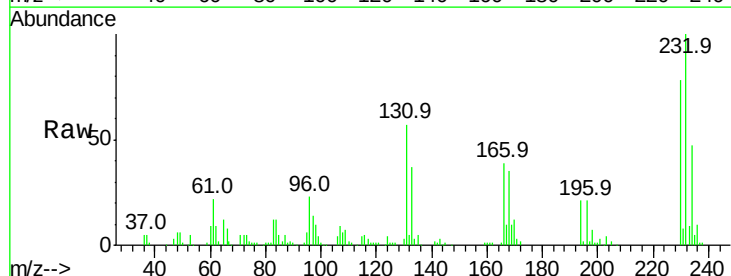
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

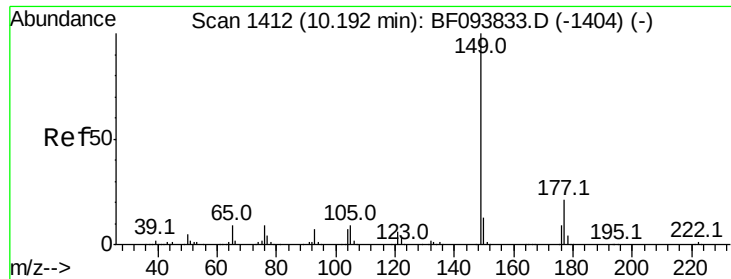
Tot Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.8	118.2
167	13.5	10.6	16.0



#58
2,3,4,6-Tetrachlorophenol
 Concen: 21.41 ng
 RT: 10.03 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion	Ratio	Lower	Upper
232	100		
131	56.2	44.8	67.2
130	2.5	2.3	3.5
166	37.3	29.0	43.4

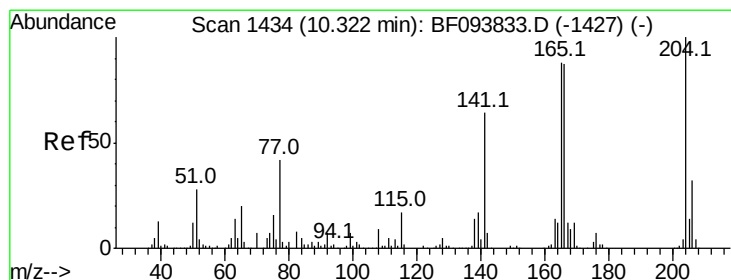
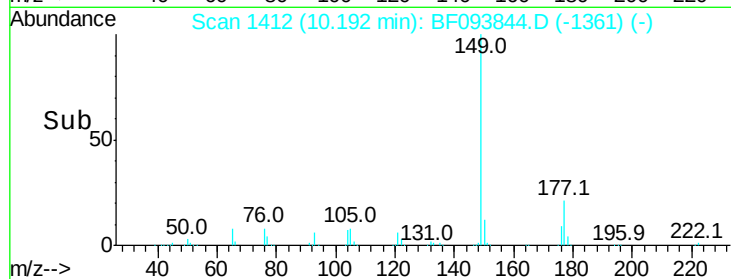
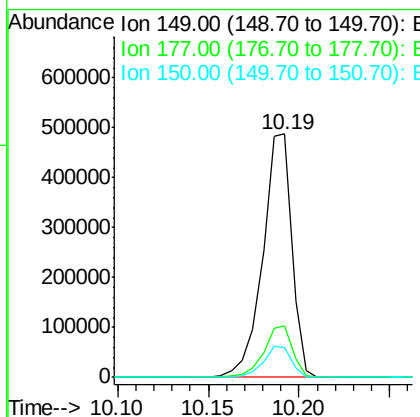
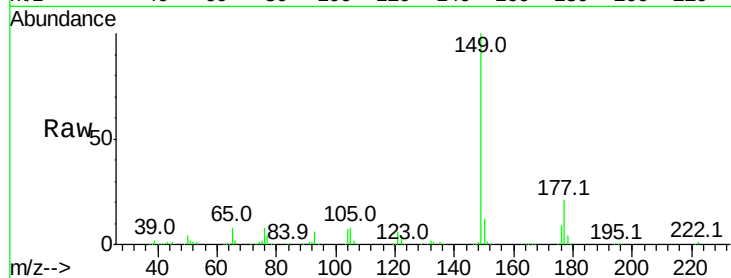




#59
Diethylphthalate
Concen: 21.51 ng
RT: 10.19 min Scan# 1412
Delta R.T. -0.00 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

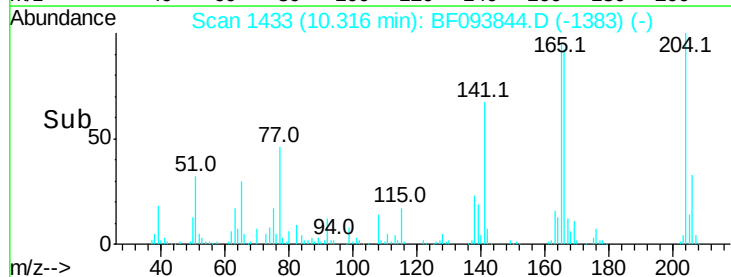
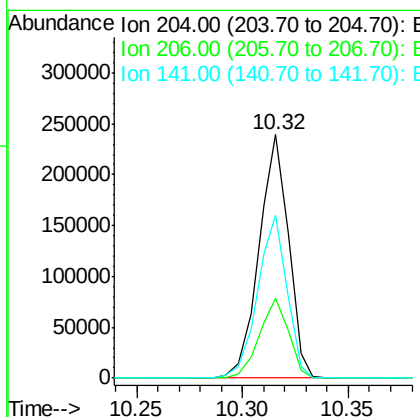
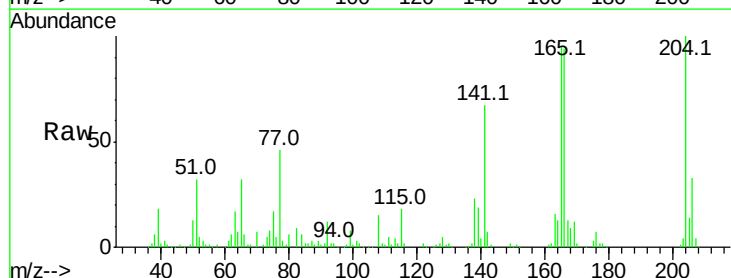
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

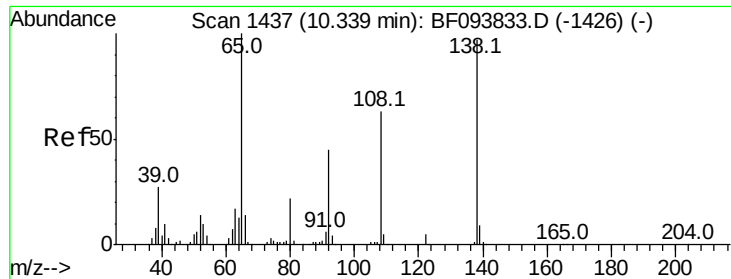
Tot Ion:149 Resp: 543361
Ion Ratio Lower Upper
149 100
177 21.4 16.7 25.1
150 12.0 10.2 15.2



#60
4-Chlorophenyl-phenylether
Concen: 21.91 ng
RT: 10.32 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion:204 Resp: 231968
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 66.7 60.8 91.2

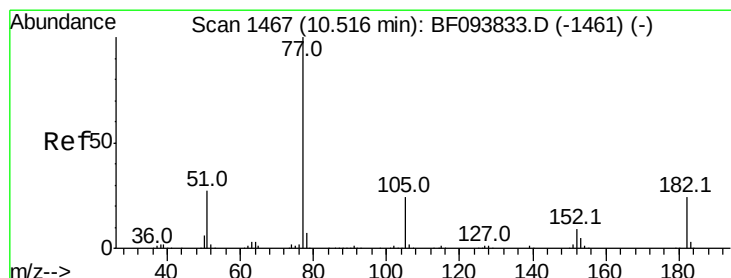
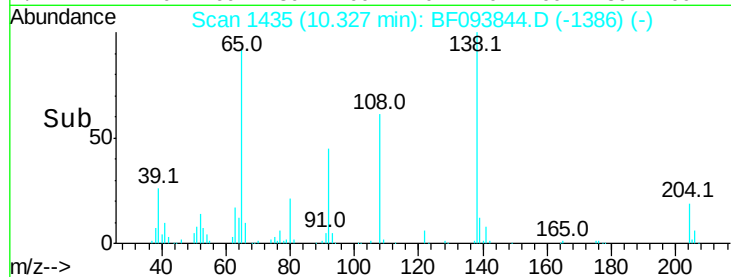
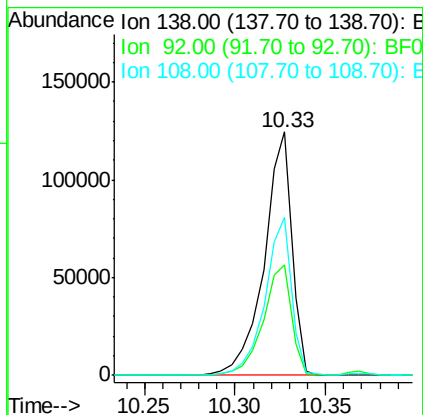
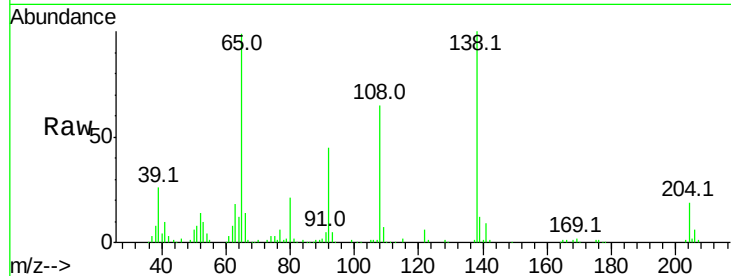




#61
4-Nitroaniline
Concen: 20.03 ng
RT: 10.33 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

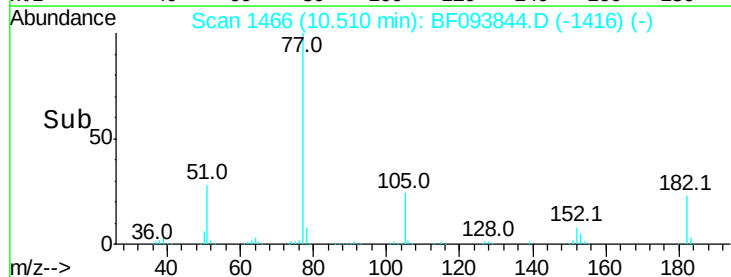
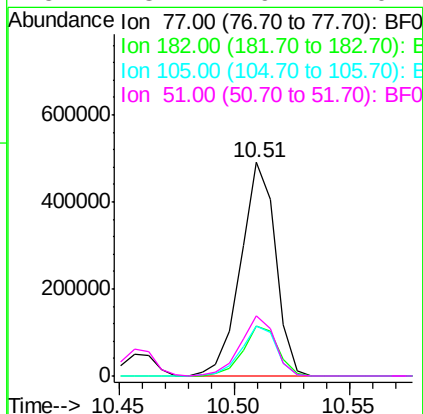
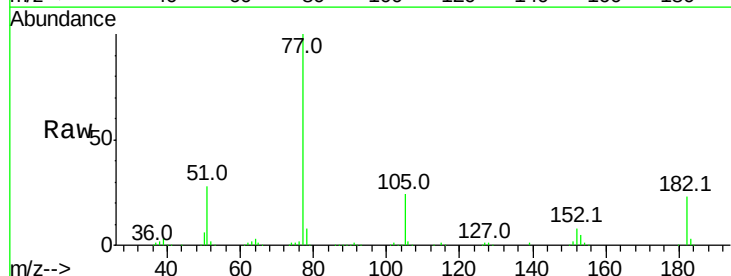
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

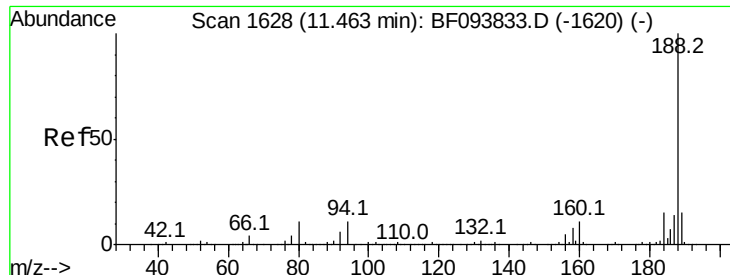
Tot Ion:138 Resp: 132280
Ion Ratio Lower Upper
138 100
92 45.3 21.8 61.8
108 64.7 42.3 82.3



#62
Azobenzene
Concen: 21.60 ng
RT: 10.51 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion: 77 Resp: 516234
Ion Ratio Lower Upper
77 100
182 23.3 0.1 40.1
105 23.6 3.6 43.6
51 28.2 9.4 49.4

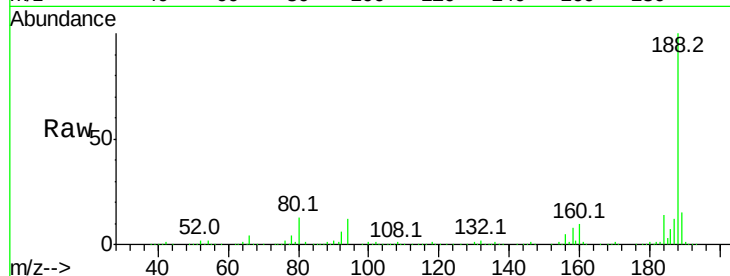




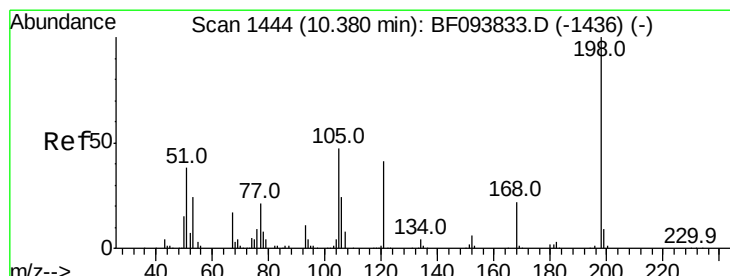
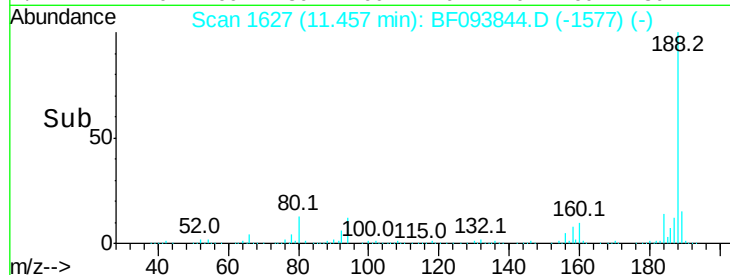
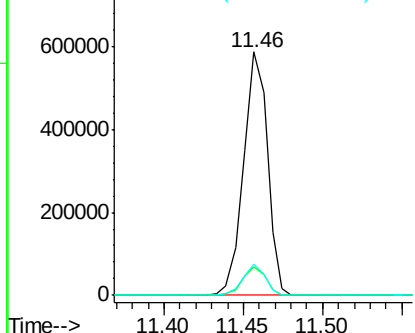
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.46 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion:188 Resp: 615612
 Ion Ratio Lower Upper
 188 100
 94 11.9 9.4 14.2
 80 12.9 10.2 15.2

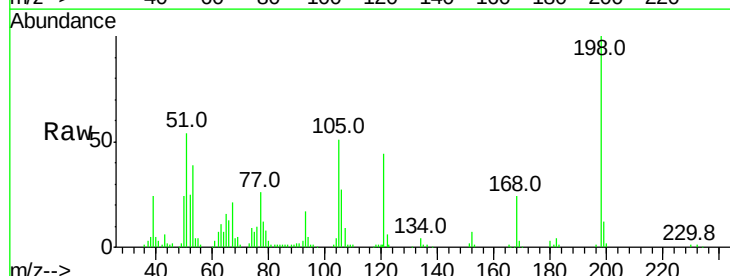


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

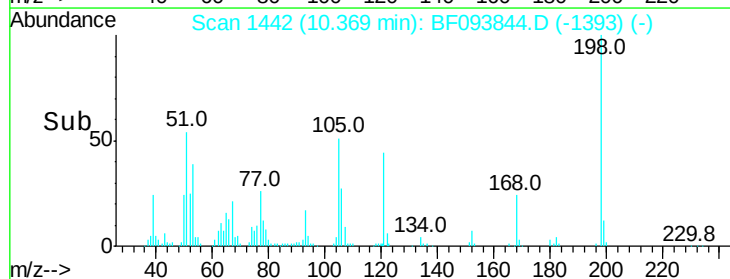
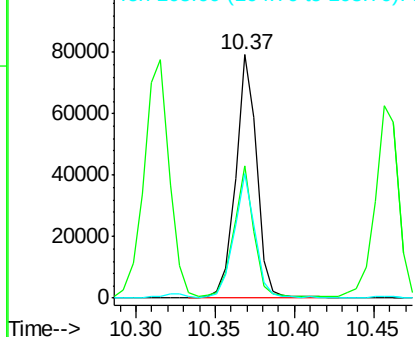


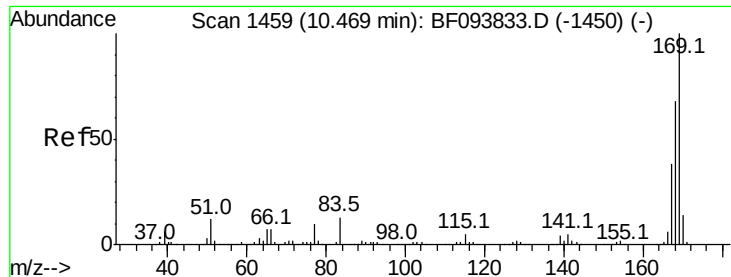
#64
 4,6-Dinitro-2-methylphenol
 Concen: 19.38 ng
 RT: 10.37 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:198 Resp: 73068
 Ion Ratio Lower Upper
 198 100
 51 54.4 53.2 93.2
 105 50.9 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

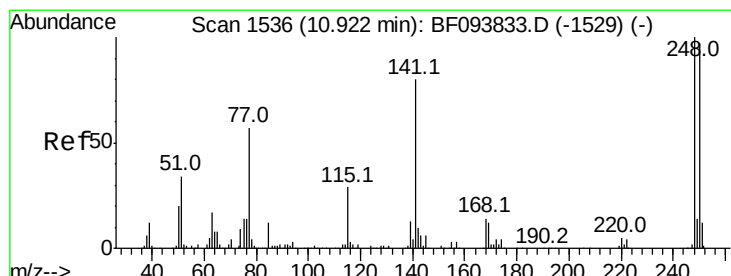
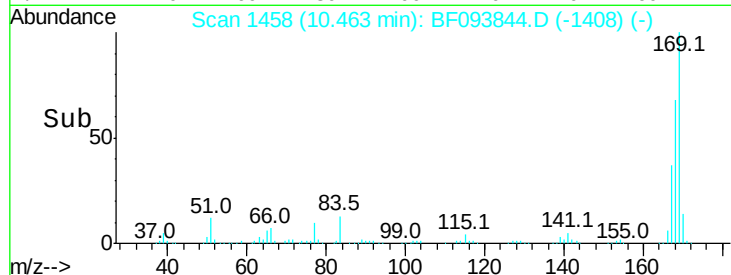
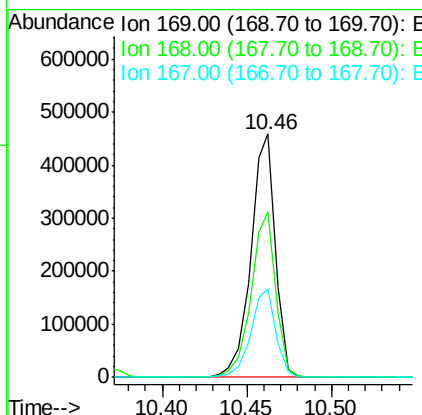
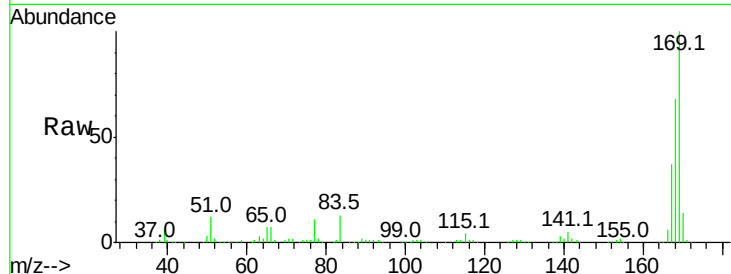




#65
 n-Nitrosodiphenylamine
 Concen: 21.84 ng
 RT: 10.46 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

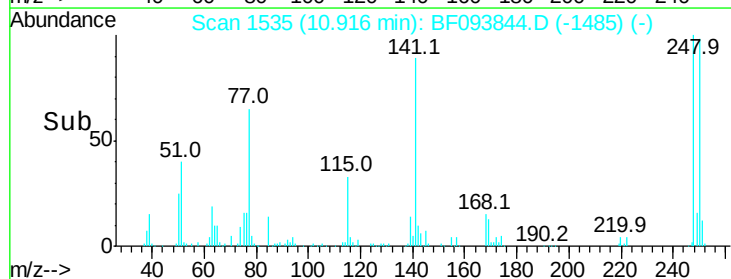
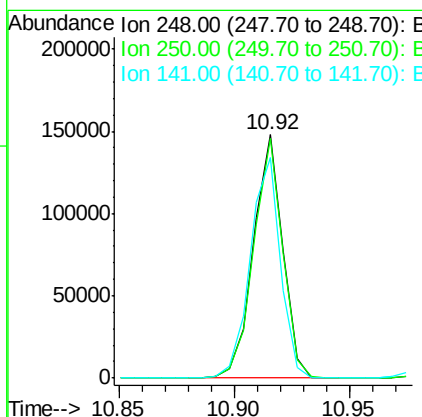
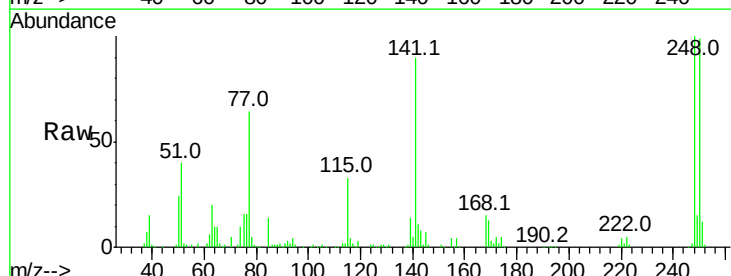
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

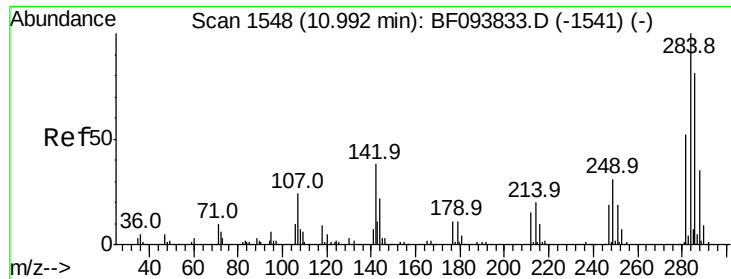
Tot Ion:169 Resp: 464864
 Ion Ratio Lower Upper
 169 100
 168 68.0 53.2 79.8
 167 36.7 29.5 44.3



#66
 4-Bromophenyl-phenylether
 Concen: 21.69 ng
 RT: 10.92 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:248 Resp: 131337
 Ion Ratio Lower Upper
 248 100
 250 98.6 76.8 115.2
 141 90.4 68.6 103.0

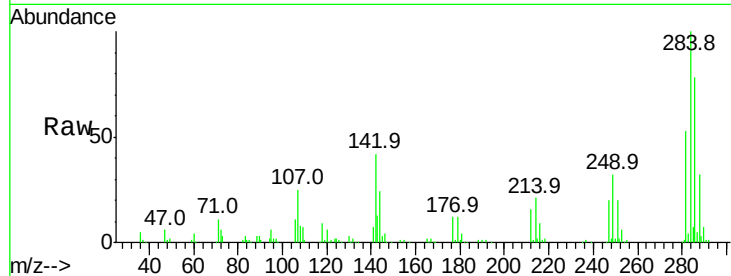




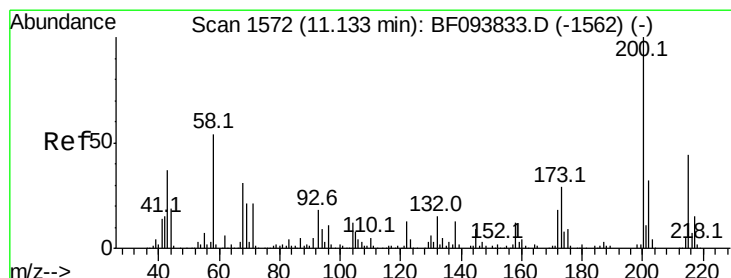
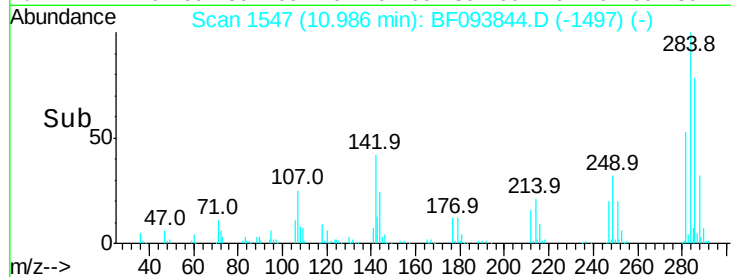
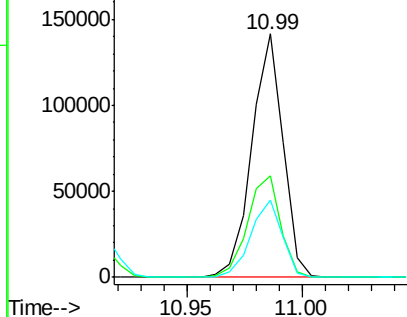
#67
Hexachlorobenzene
Concen: 21.76 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tot Ion:284 Resp: 133384
Ion Ratio Lower Upper
284 100
142 41.5 22.8 34.2#
249 31.6 24.0 36.0

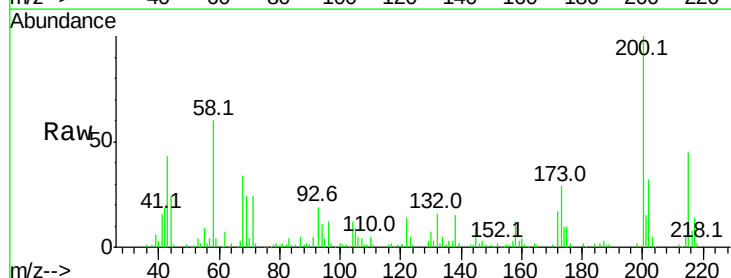


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

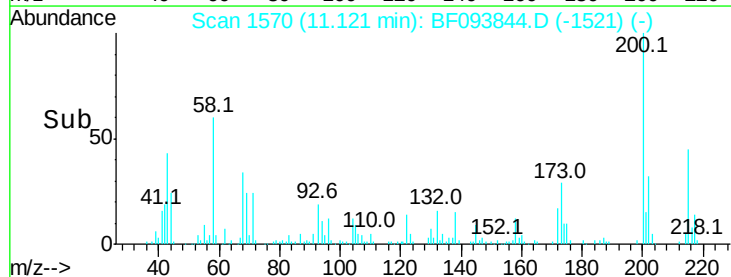
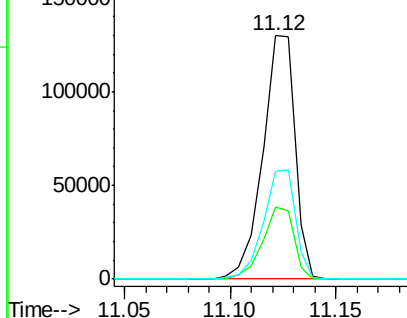


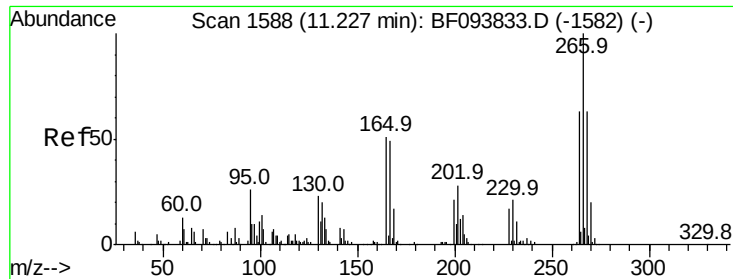
#68
Atrazine
Concen: 21.66 ng
RT: 11.12 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion:200 Resp: 138117
Ion Ratio Lower Upper
200 100
173 29.4 6.3 46.3
215 44.5 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: 20.25 ng

RT: 11.22 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

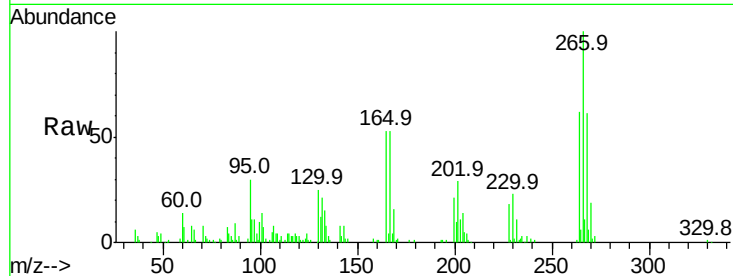
Tot Ion:266 Resp: 77256

Ion Ratio Lower Upper

266 100

268 61.2 51.1 76.7

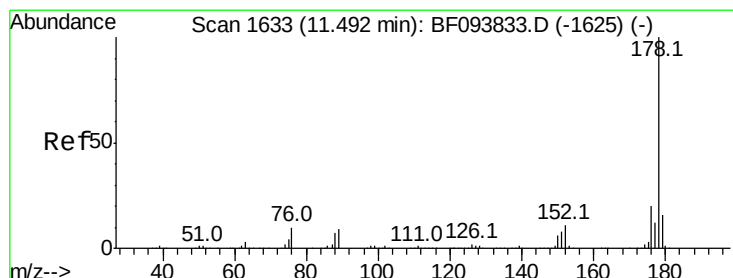
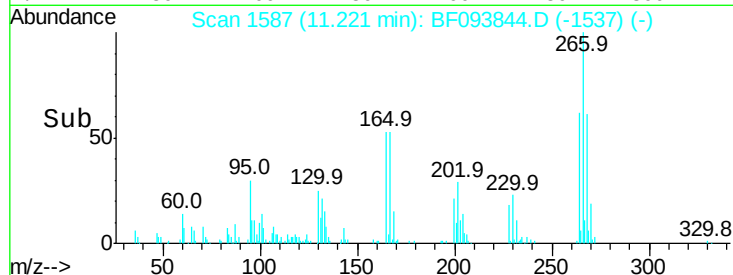
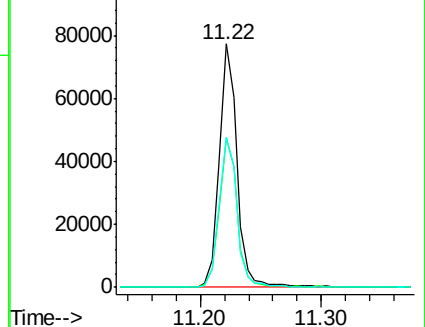
264 61.6 51.7 77.5



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: 21.94 ng

RT: 11.49 min Scan# 1632

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

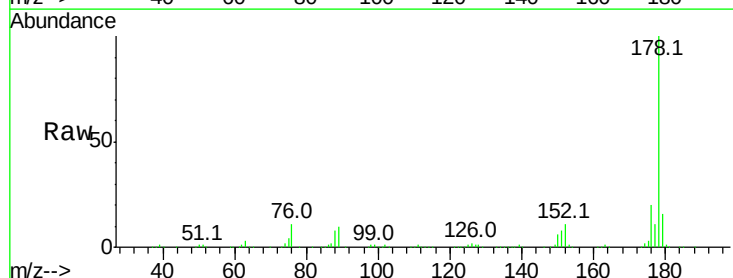
Tgt Ion:178 Resp: 751492

Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.4

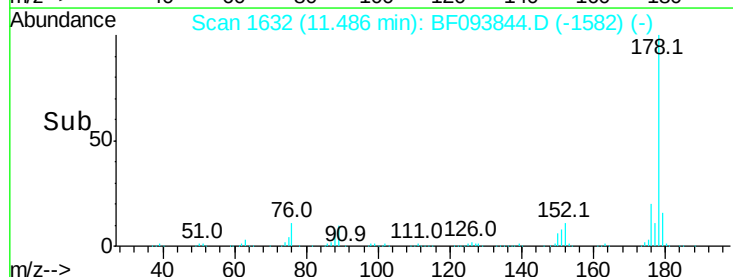
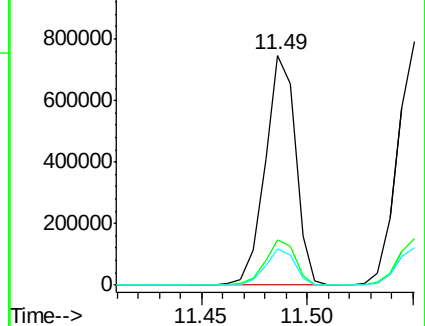
179 15.6 12.6 19.0

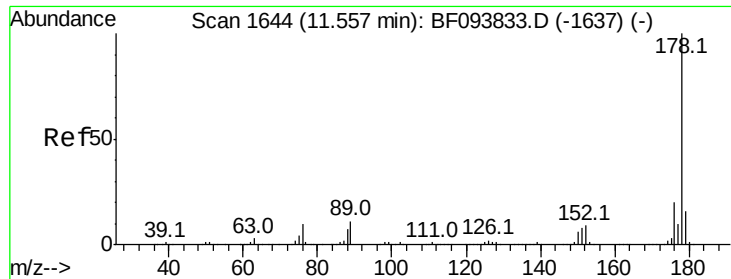


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

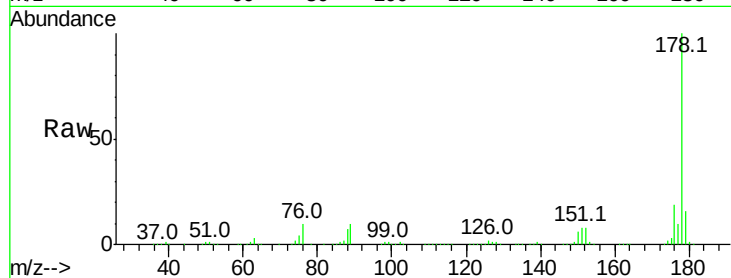




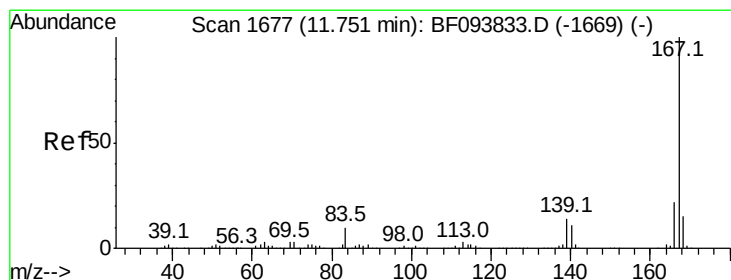
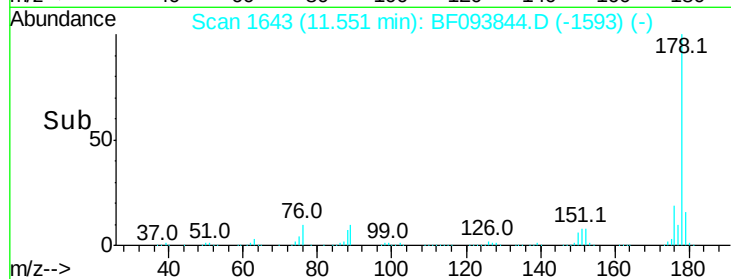
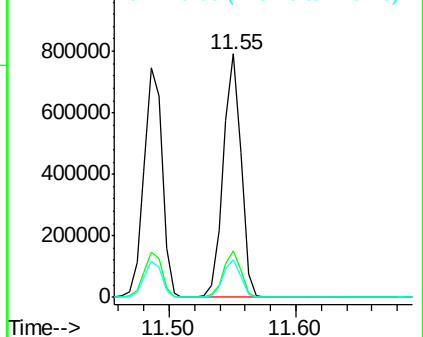
#71
 Anthracene
 Concen: 21.98 ng
 RT: 11.55 min Scan# 1643
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion:178 Resp: 775101
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.7 12.7 19.1

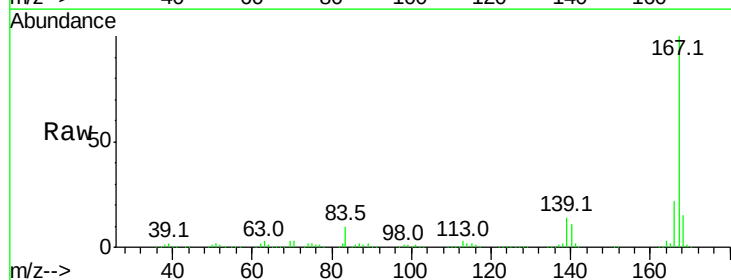


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

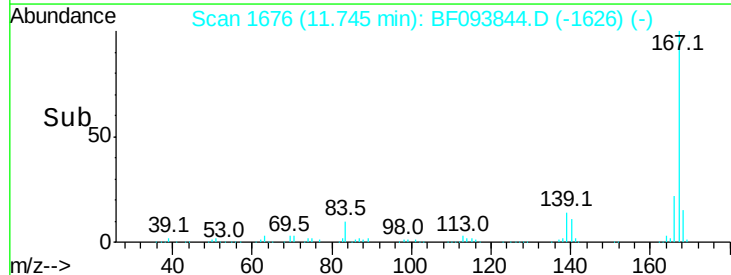
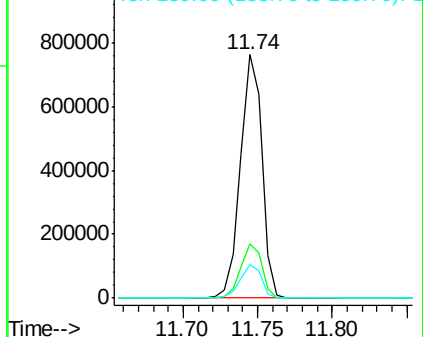


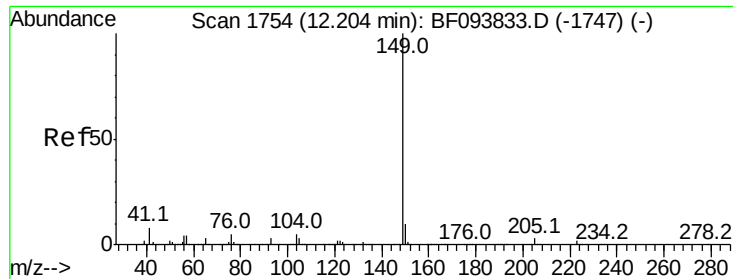
#72
 Carbazole
 Concen: 21.22 ng
 RT: 11.74 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:167 Resp: 767399
 Ion Ratio Lower Upper
 167 100
 166 22.3 18.1 27.1
 139 13.6 11.7 17.5



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





#73

Di-n-butylphthalate

Concen: 22.37 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

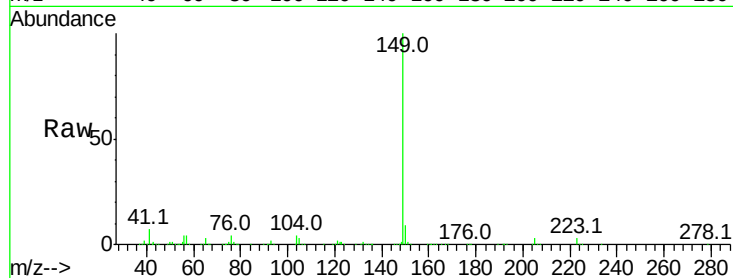
Tot Ion:149 Resp: 841222

Ion Ratio Lower Upper

149 100

150 9.0 7.7 11.5

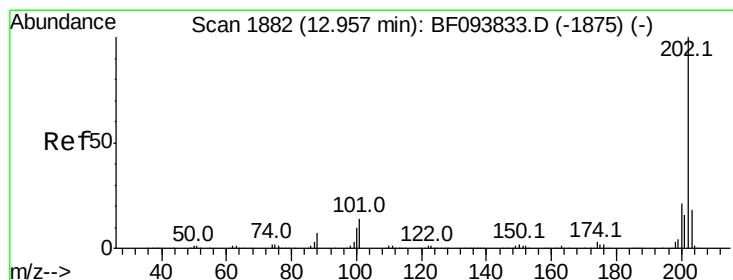
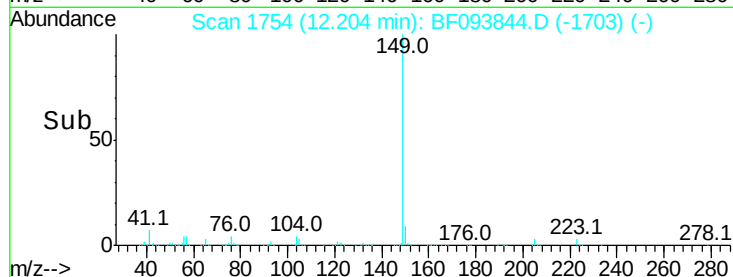
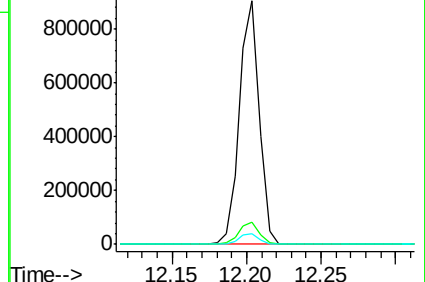
104 4.4 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 21.67 ng

RT: 12.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

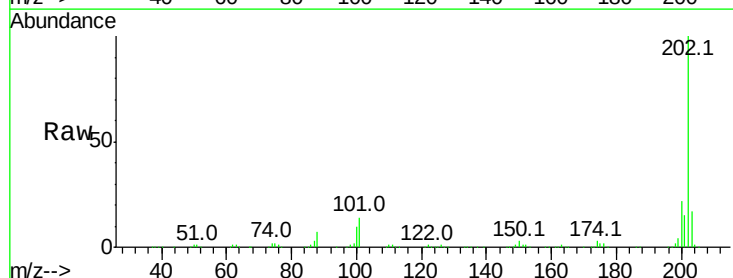
Tgt Ion:202 Resp: 759837

Ion Ratio Lower Upper

202 100

101 14.3 0.0 33.2

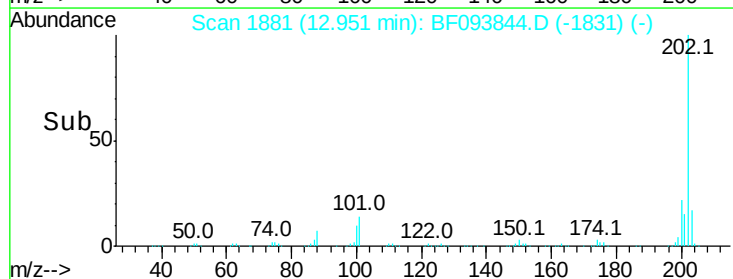
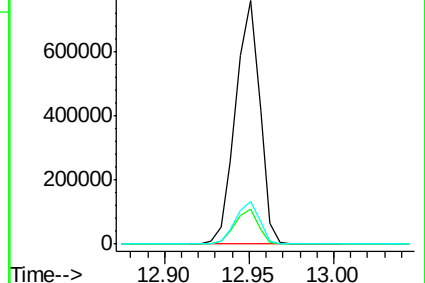
203 17.5 0.0 38.1

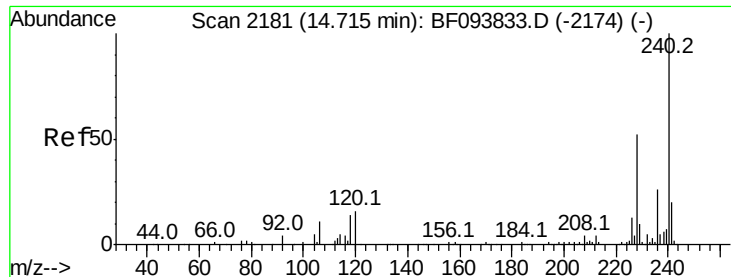


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

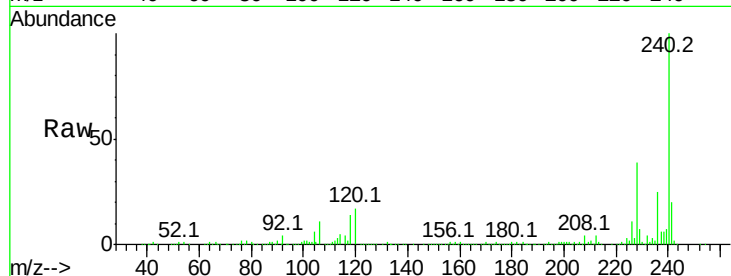




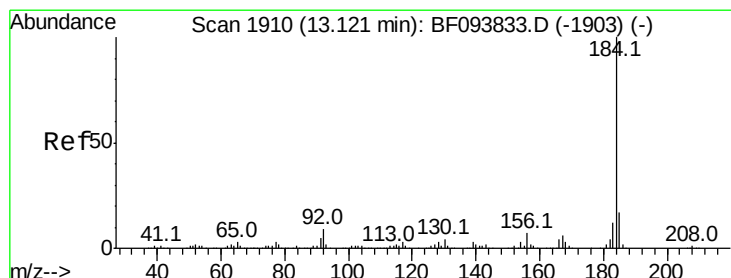
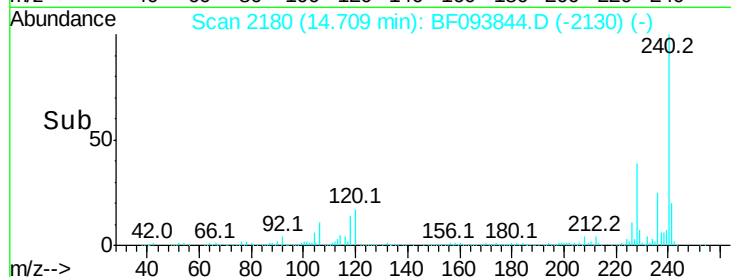
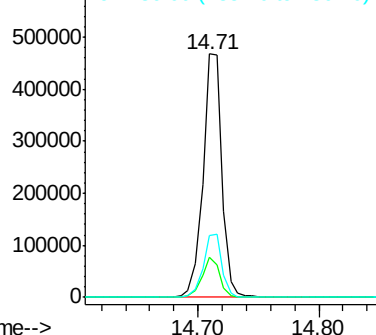
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.71 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

Tot Ion:240 Resp: 511792
Ion Ratio Lower Upper
240 100
120 16.6 5.8 8.8#
236 25.3 20.5 30.7

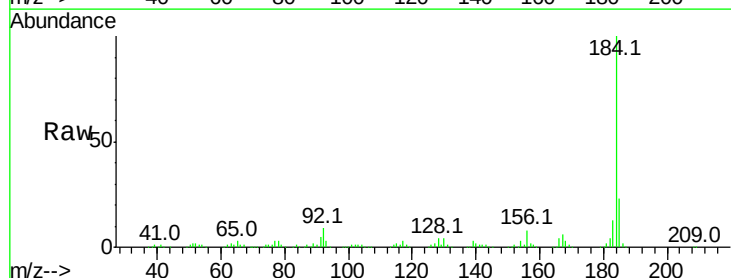


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

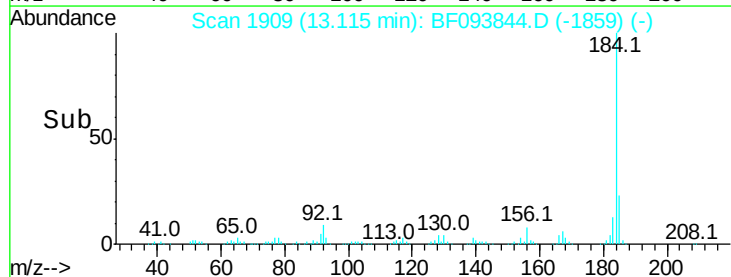
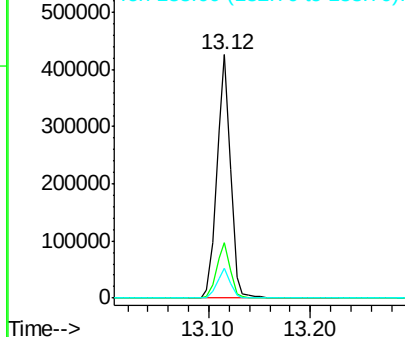


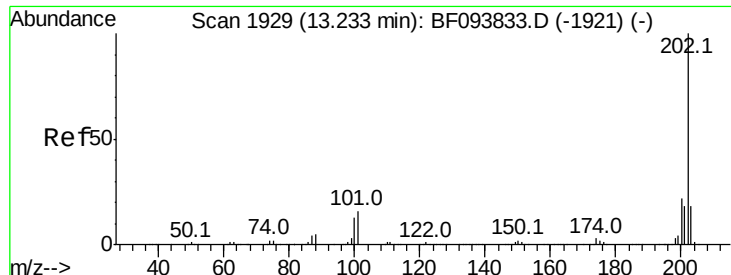
#76
Benzidine
Concen: 19.55 ng
RT: 13.12 min Scan# 1909
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion:184 Resp: 396045
Ion Ratio Lower Upper
184 100
185 22.9 15.5 23.3
183 12.5 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

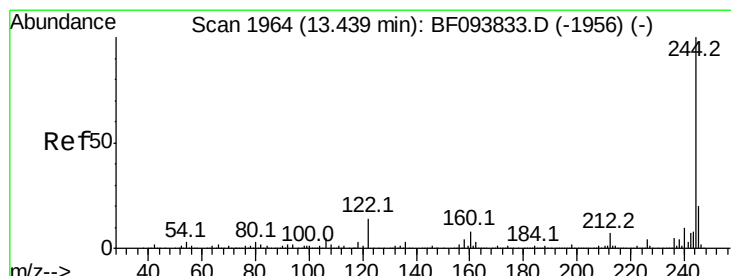
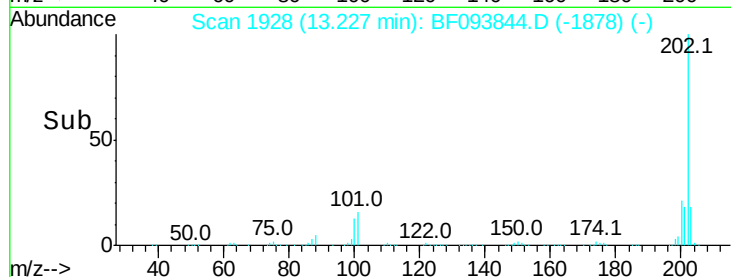
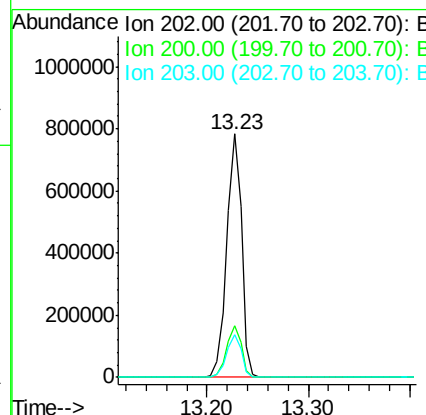
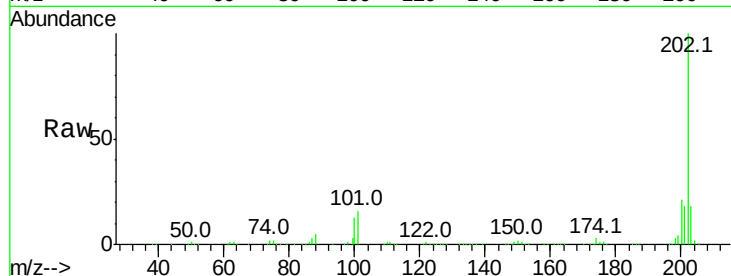




#77
Pvrene
Concen: 21.41 ng
RT: 13.23 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

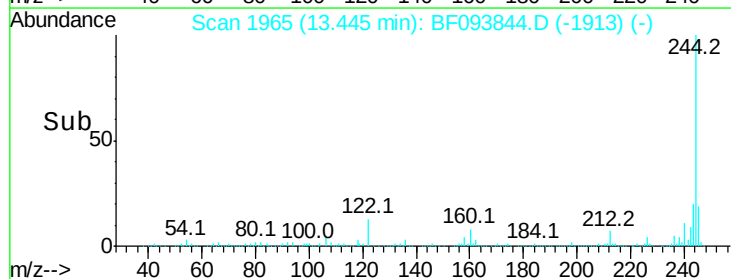
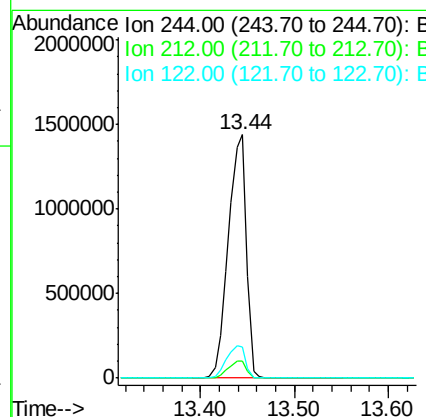
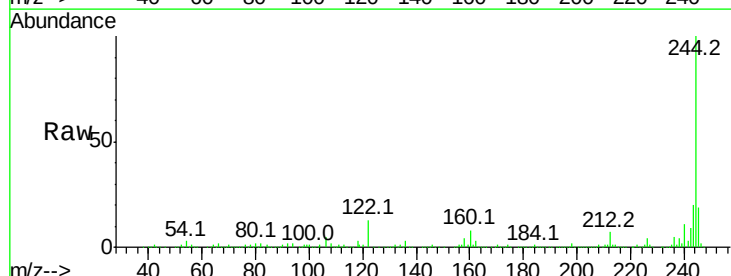
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

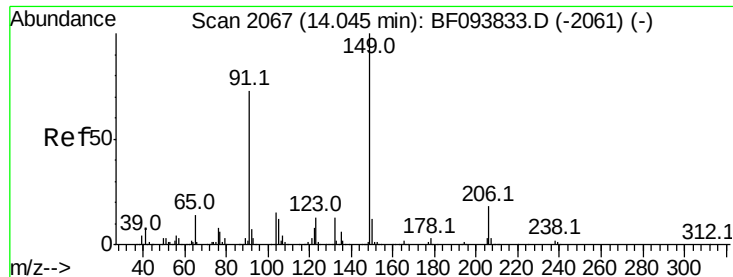
Tot Ion:202 Resp: 795355
Ion Ratio Lower Upper
202 100
200 21.4 17.6 26.4
203 17.6 14.4 21.6



#78
Terphenyl-d14
Concen: 84.53 ng
RT: 13.44 min Scan# 1965
Delta R.T. 0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion:244 Resp: 1930115
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 12.8 10.3 15.5





#79

Butylbenzylphthalate

Concen: 21.42 ng

RT: 14.04 min Scan# 2067

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

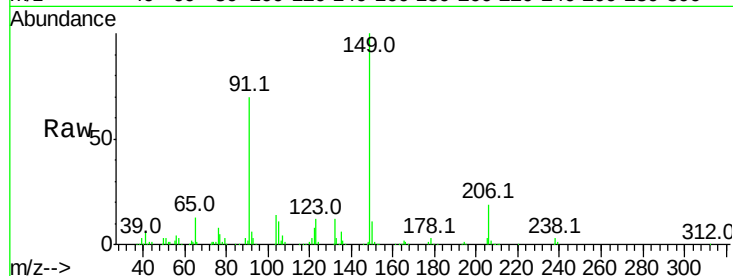
Tot Ion:149 Resp: 338986

Ion Ratio Lower Upper

149 100

91 69.8 45.0 67.4#

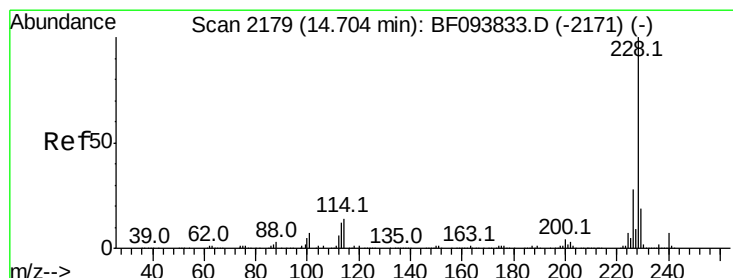
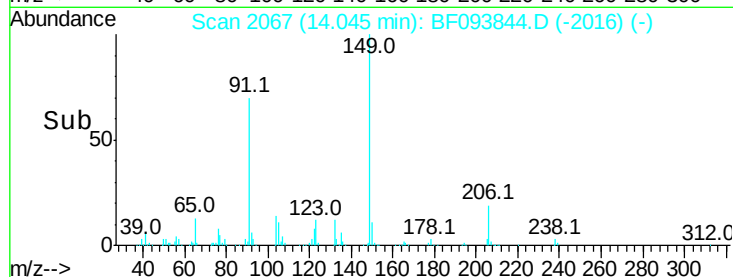
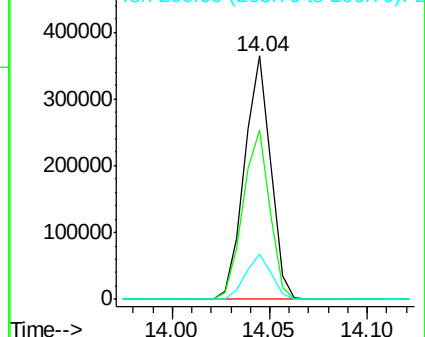
206 18.5 17.0 25.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 21.24 ng

RT: 14.70 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

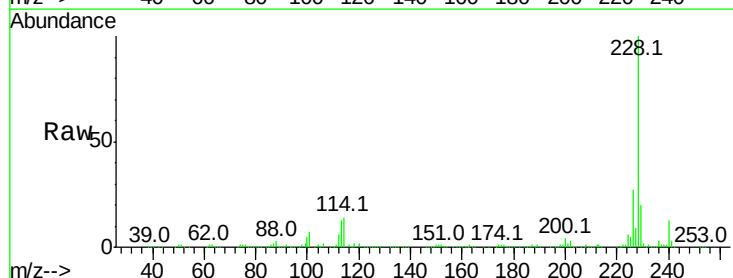
Tgt Ion:228 Resp: 634022

Ion Ratio Lower Upper

228 100

226 27.3 22.6 33.8

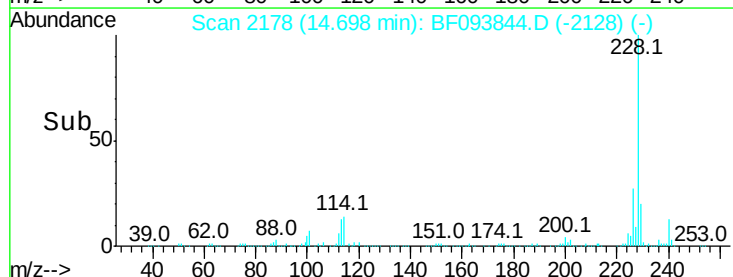
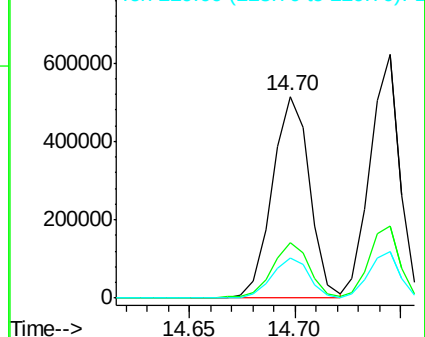
229 19.7 16.3 24.5

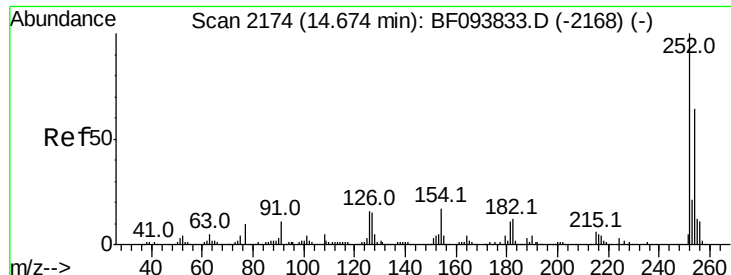


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

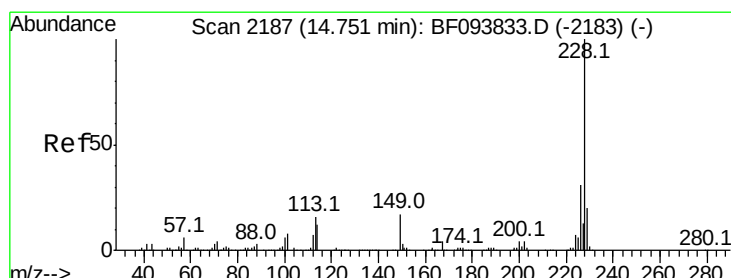
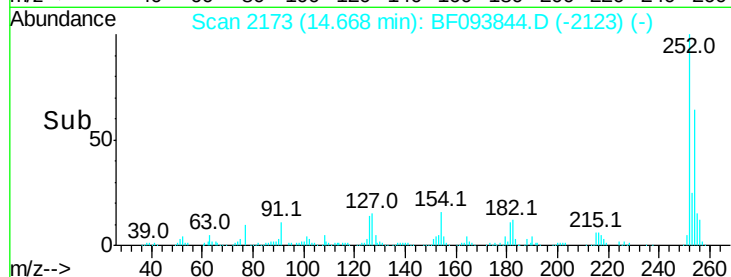
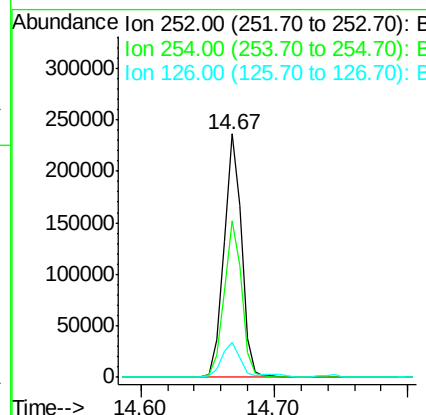
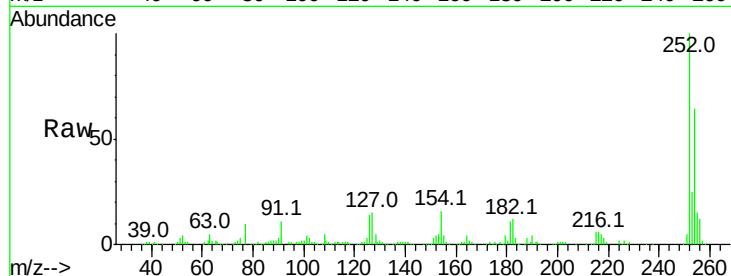




#81
 3,3'-Dichlorobenzidine
 Concen: 20.67 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

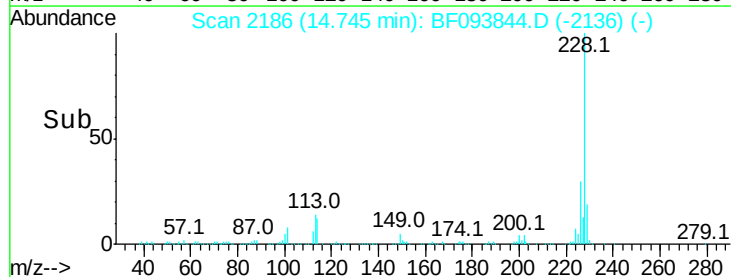
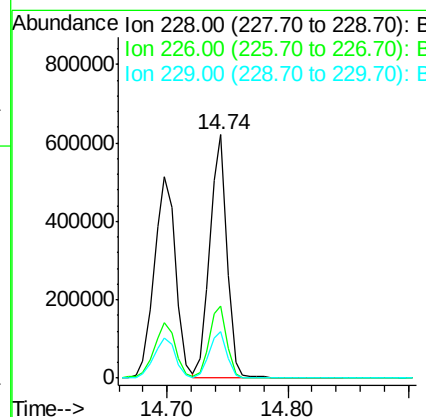
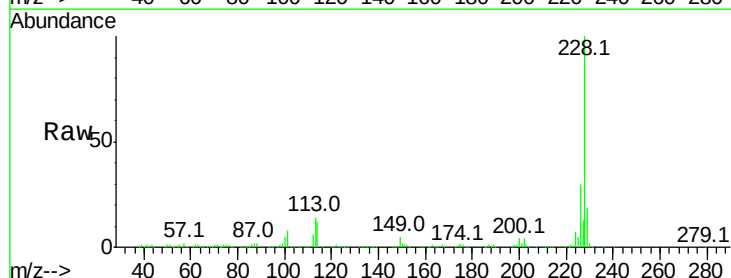
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

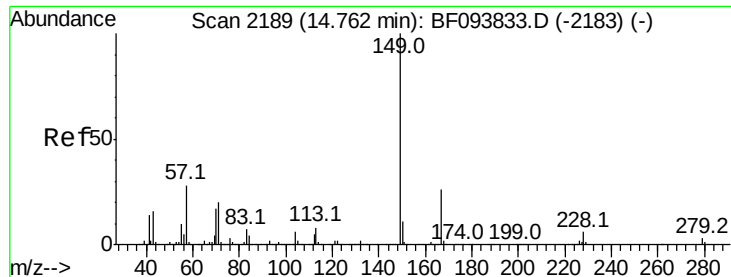
Tot Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	14.5	15.8	23.8#



#82
 Chrysene
 Concen: 22.02 ng
 RT: 14.74 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	19.3	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 23.10 ng

RT: 14.76 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

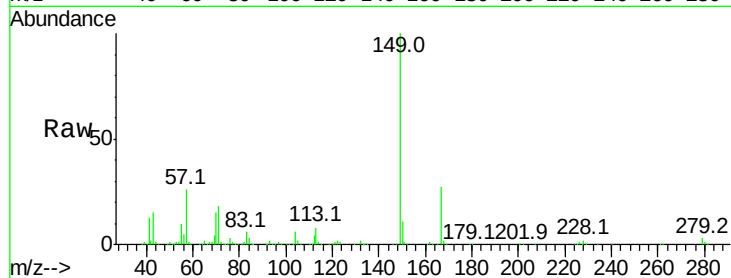
Tot Ion:149 Resp: 498652

Ion Ratio Lower Upper

149 100

167 26.7 21.0 31.4

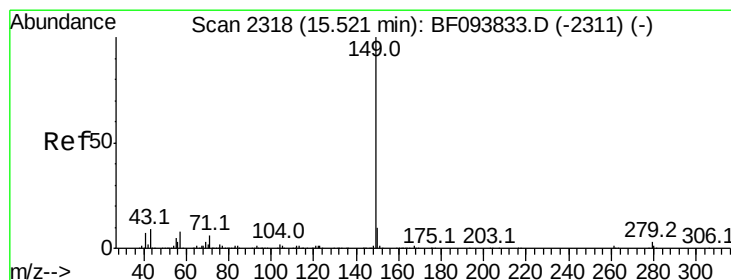
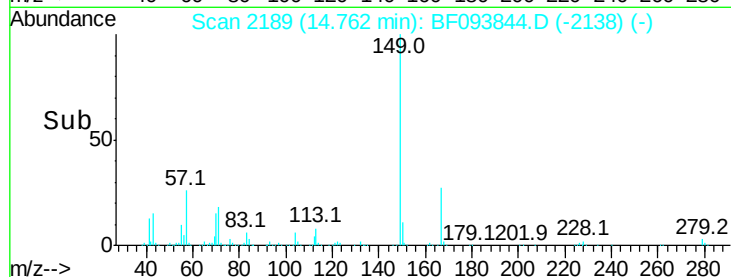
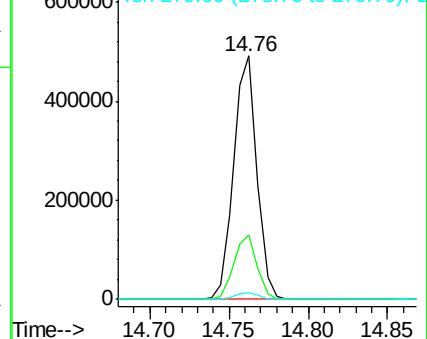
279 2.8 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 22.15 ng

RT: 15.52 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

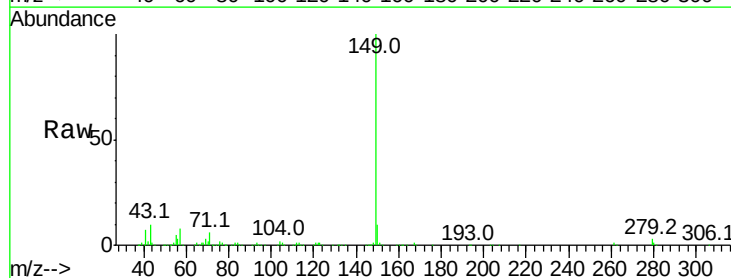
Tgt Ion:149 Resp: 798772

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

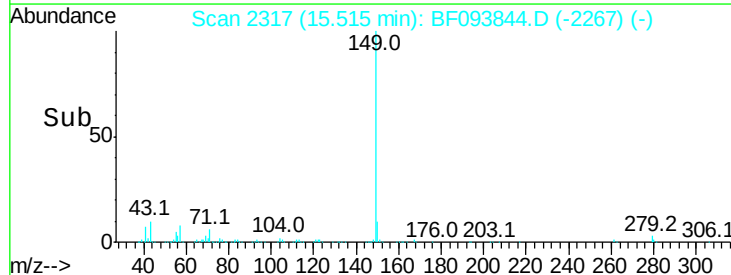
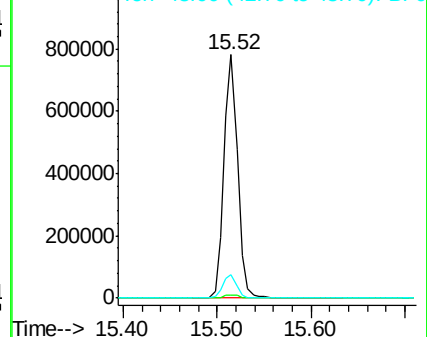
43 9.9 8.5 12.7

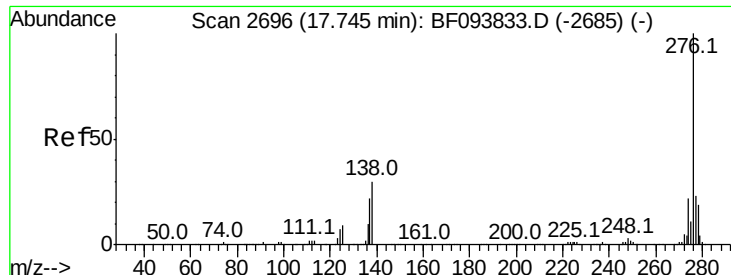


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0

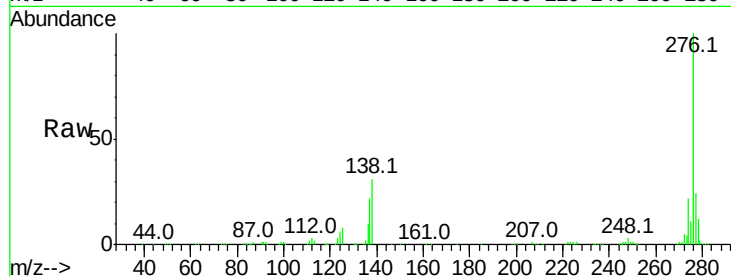




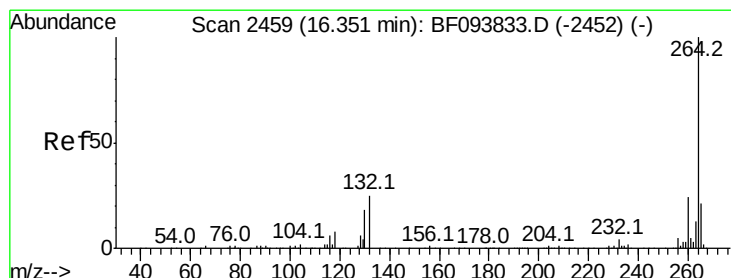
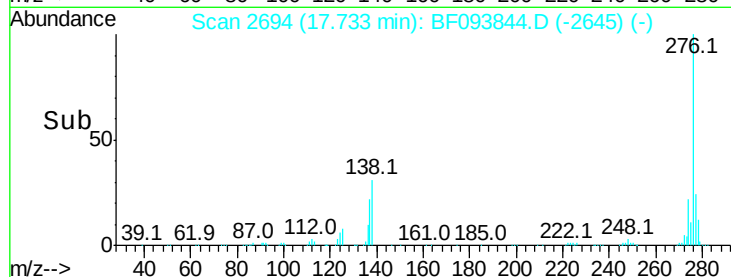
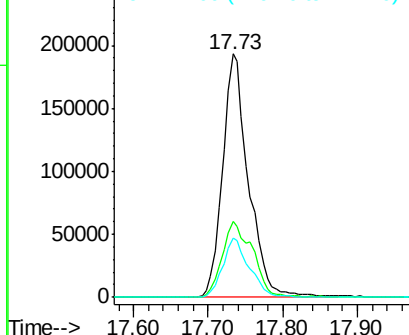
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.43 ng
 RT: 17.73 min Scan# 2694
 Delta R.T. -0.01 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion:276 Resp: 466004
 Ion Ratio Lower Upper
 276 100
 138 36.5 27.8 41.6
 277 25.0 20.2 30.4

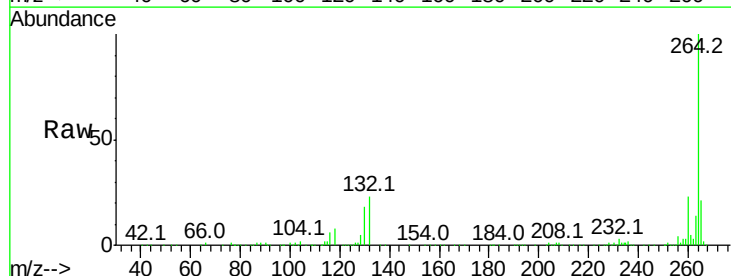


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

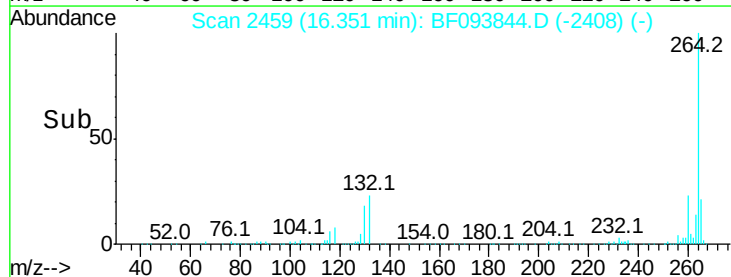
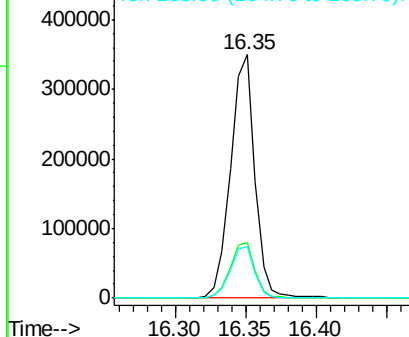


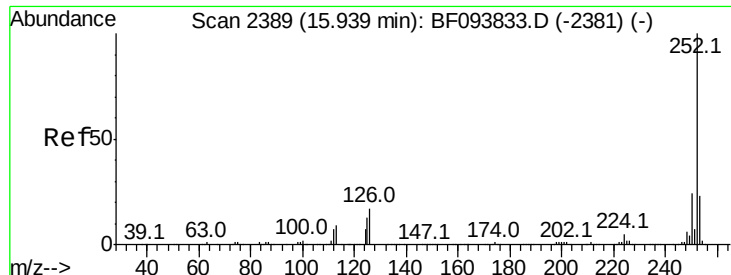
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.35 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Tgt Ion:264 Resp: 418204
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.5 29.3
 265 21.1 17.2 25.8



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

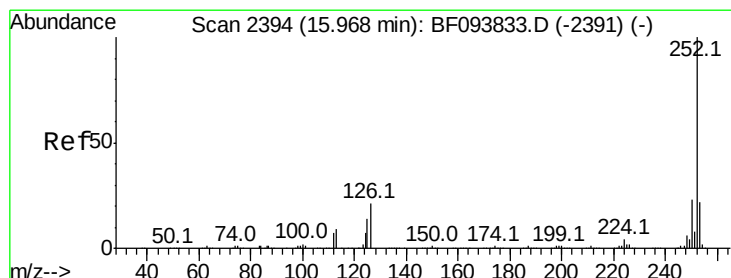
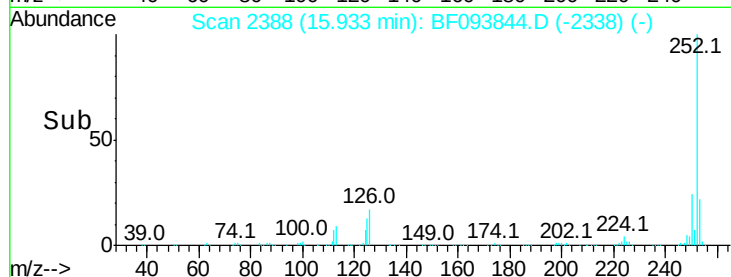
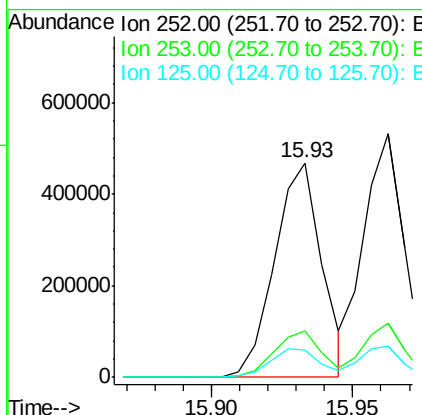
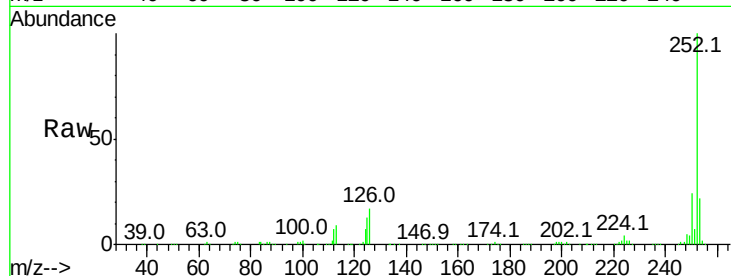




#87
Benzo(b)fluoranthene
Concen: 21.20 ng
RT: 15.93 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

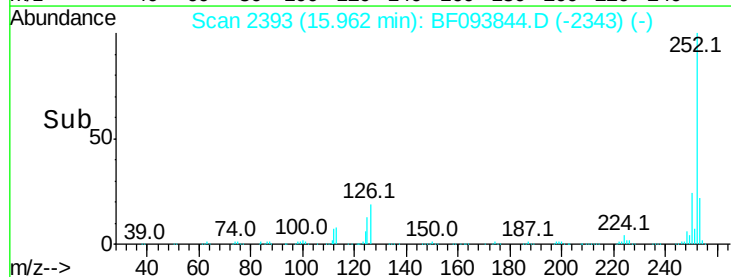
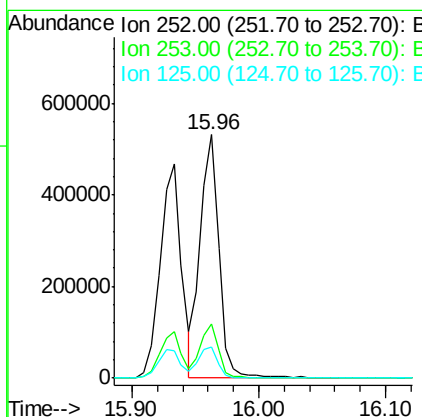
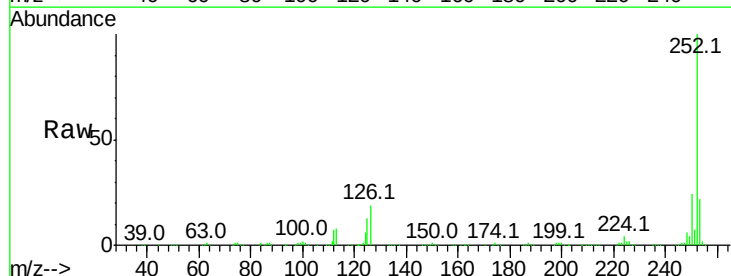
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT2-2017

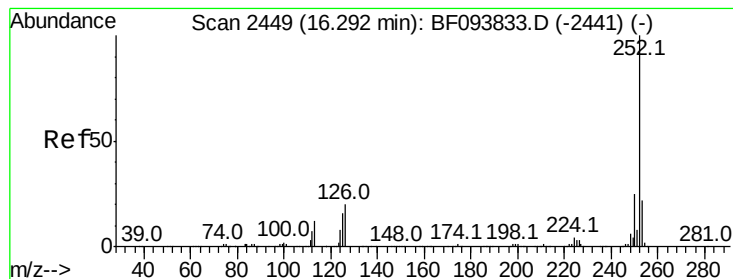
Tot Ion:252 Resp: 543543
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 12.7 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 21.59 ng
RT: 15.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BF093844.D
Acq: 22 Mar 2017 20:45

Tgt Ion:252 Resp: 545332
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 12.8 13.1 19.7#





#89

Benzo(a)pyrene

Concen: 20.98 ng

RT: 16.29 min Scan# 2448

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT2-2017

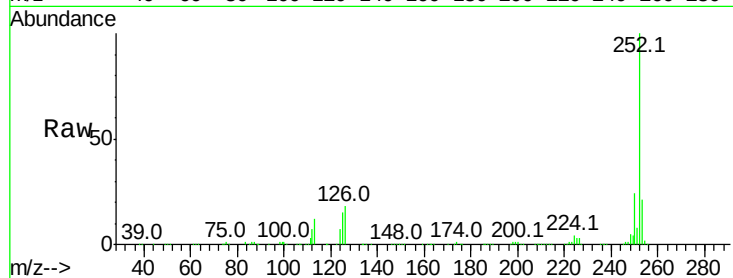
Tot Ion:252 Resp: 495219

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

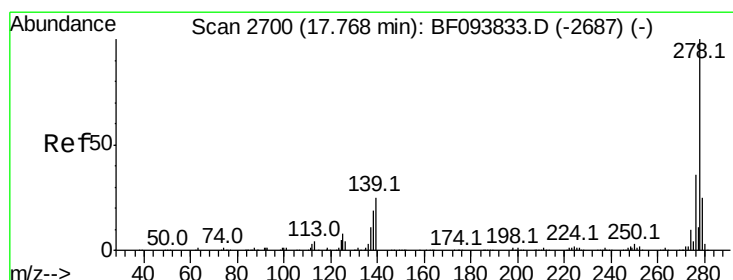
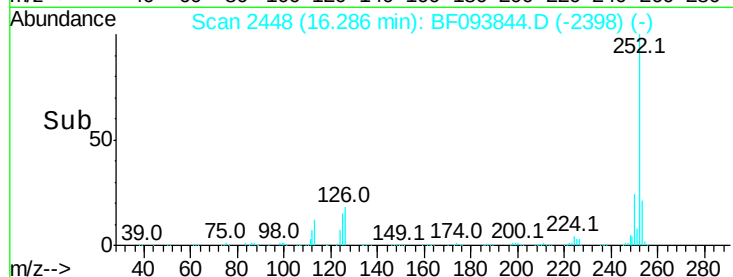
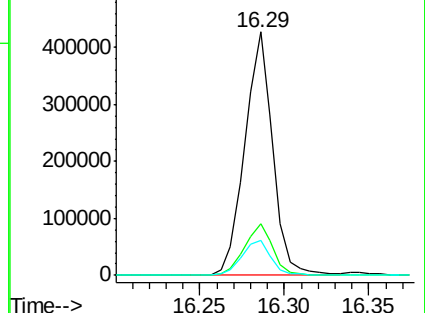
125 14.5 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 20.21 ng

RT: 17.76 min Scan# 2699

Delta R.T. -0.01 min

Lab File: BF093844.D

Acq: 22 Mar 2017 20:45

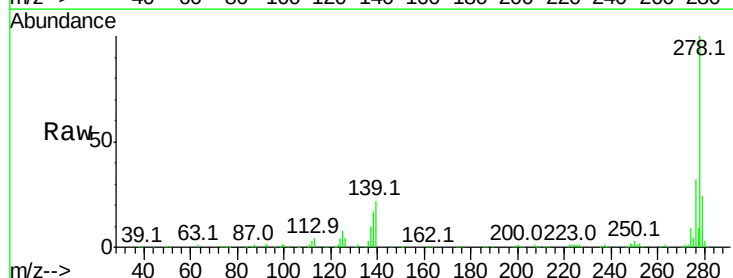
Tgt Ion:278 Resp: 403953

Ion Ratio Lower Upper

278 100

139 22.0 16.6 24.8

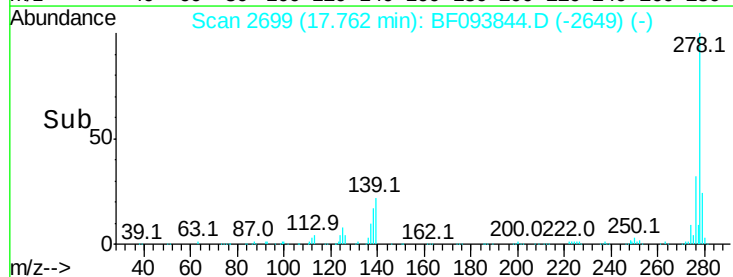
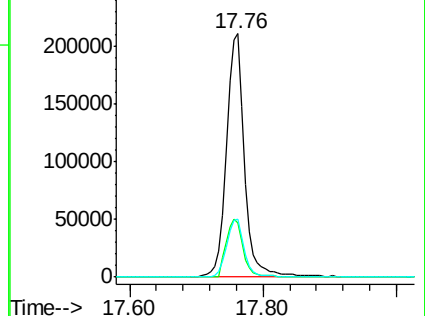
279 23.9 19.3 28.9

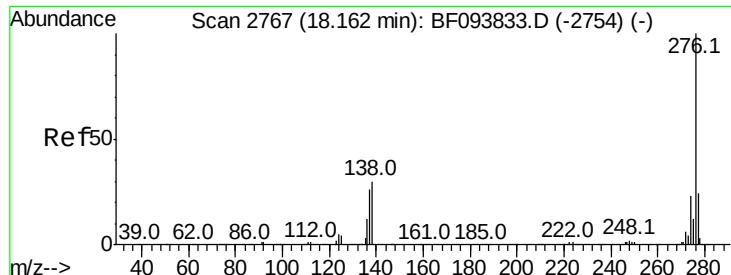


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

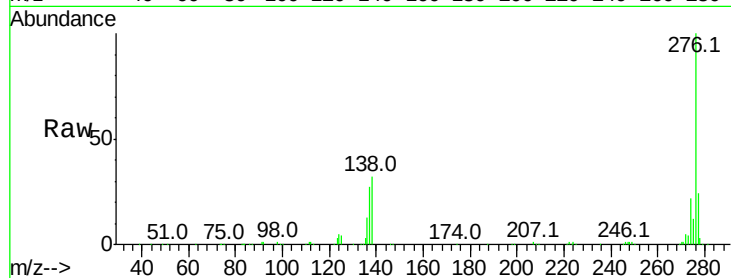




#91
 Benzo(a,h,i)perylene
 Concen: 19.51 ng
 RT: 18.14 min Scan# 2764
 Delta R.T. -0.02 min
 Lab File: BF093844.D
 Acq: 22 Mar 2017 20:45

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT2-2017

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	28.0
138	32.1	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

