

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098024.D
 Acq On : 25 Aug 2017 1:39
 Operator : SJ/JU
 Sample : I4934-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4-SOIL-0-9.0

Quant Time: Aug 25 02:41:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

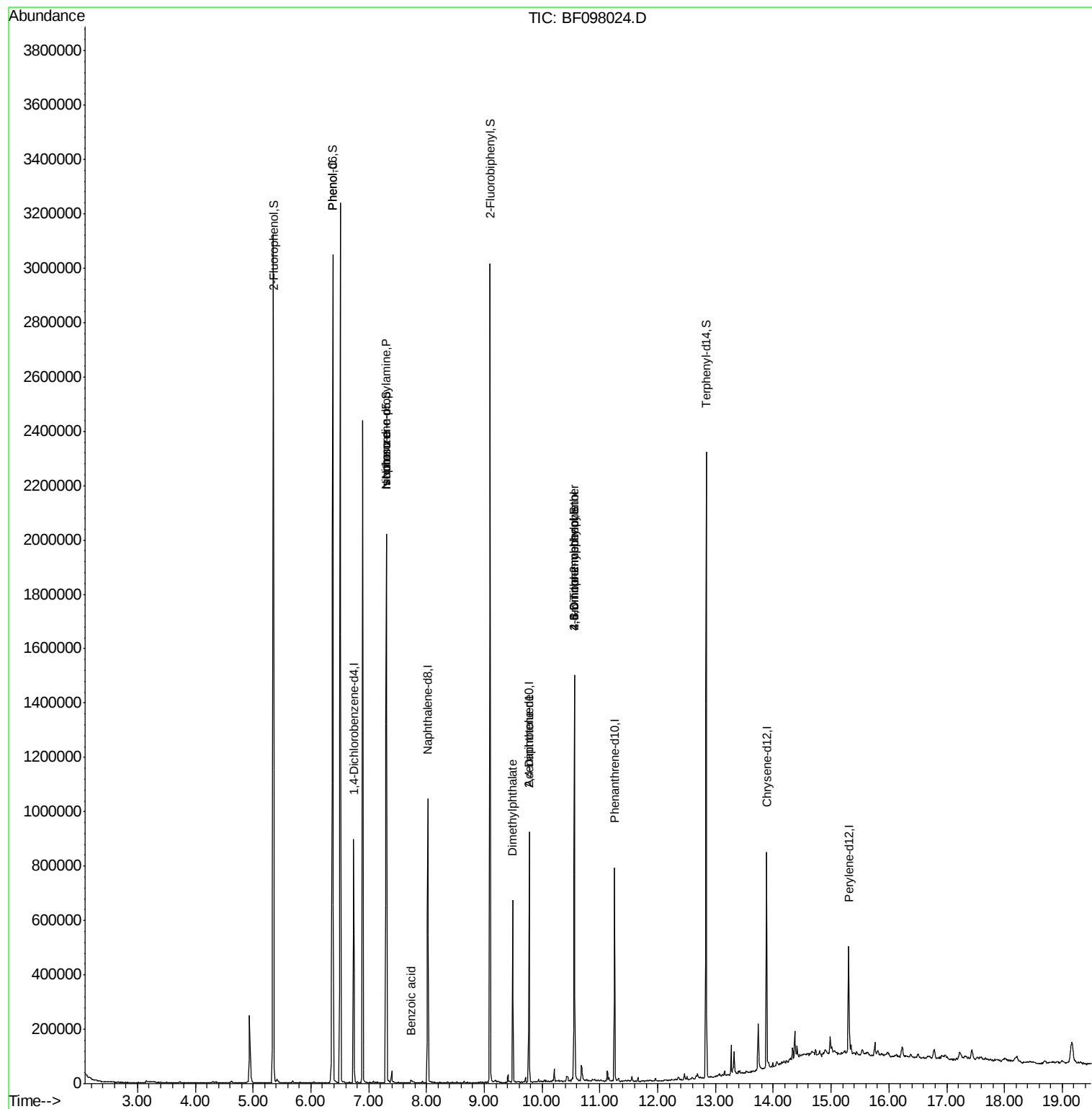
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	110378	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	416007	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	163607	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	274424	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	249761	20.00	ng	-0.01
86) Perylene-d12	15.30	264	177301	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	966207	133.15	ng	0.00
7) Phenol-d6	6.38	99	1295505	131.40	ng	0.00
23) Nitrobenzene-d5	7.30	82	760142	99.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	175383	123.55	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	888352	79.77	ng	-0.01
78) Terphenyl-d14	12.84	244	684697	57.17	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	31502	2.73	ng	Qvalue 93
19) n-Nitroso-di-n-propylamine	7.30	70	101253	15.00	ng	# 71
25) Isophorone	7.30	82	752150	47.24	ng	# 67
32) Benzoic acid	7.73	122	3042	6.95	ng	# 83
49) Dimethylphthalate	9.49	163	214395	17.93	ng	99
56) 2,4-Dinitrotoluene	9.77	165	20601	6.88	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.56	198	336	8.54	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	11337	3.98	ng	# 1

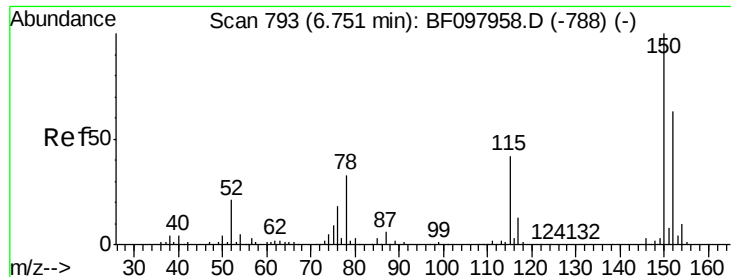
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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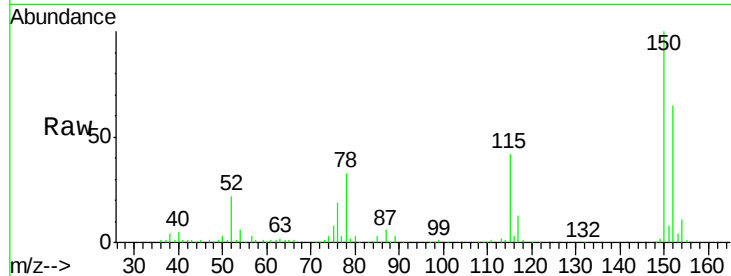


#1

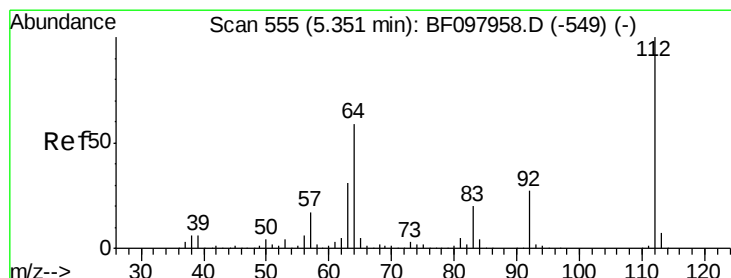
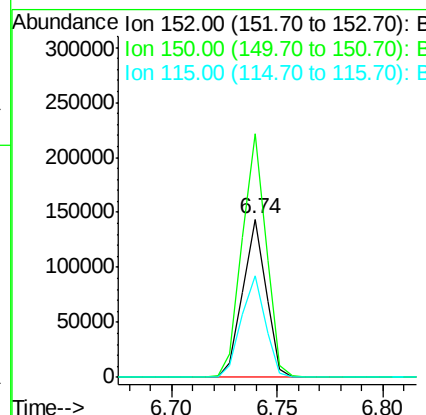
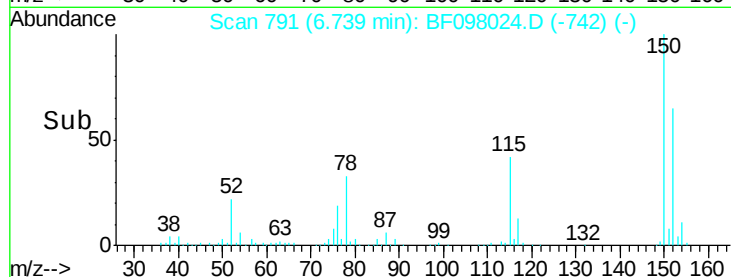
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098024.D
Acq: 25 Aug 2017 1:39

Instrument :
BNA_F
ClientSampleId :
SB4-SOIL-0-9.0

Tot Ion:152 Resp: 110378
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.2
115 64.0 52.2 78.2



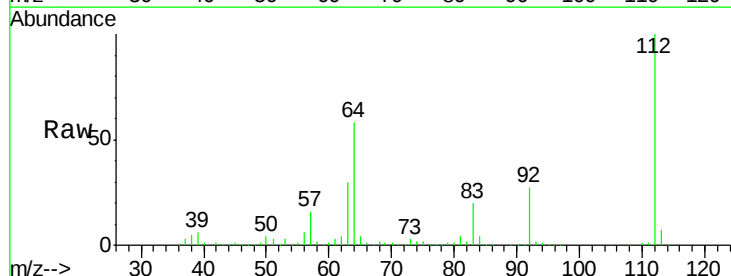
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



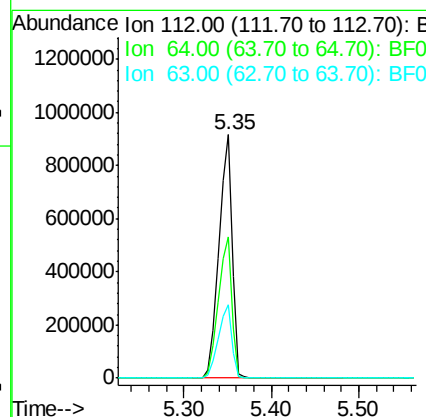
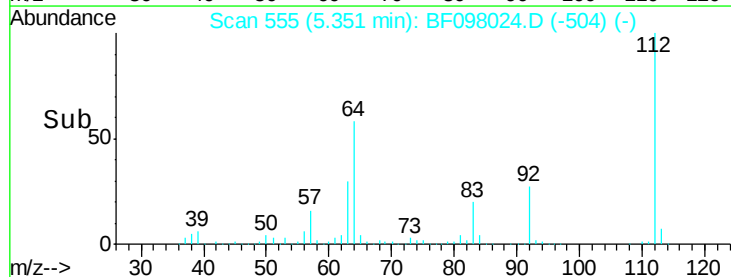
#5

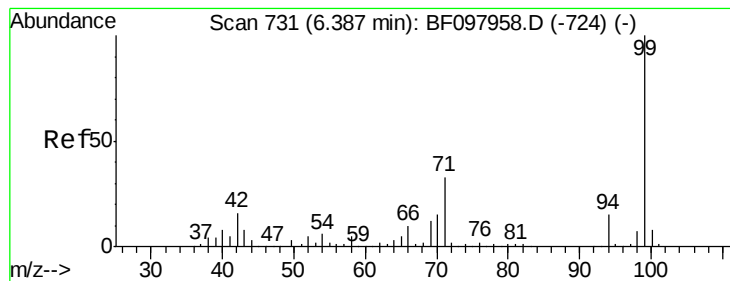
2-Fluorophenol
Concen: 133.15 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF098024.D
Acq: 25 Aug 2017 1:39

Tgt Ion:112 Resp: 966207
Ion Ratio Lower Upper
112 100
64 57.9 46.0 69.0
63 30.0 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 131.40 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098024.D

Acq: 25 Aug 2017 1:39

Instrument :

BNA_F

ClientSampleId :

SB4-SOIL-0-9.0

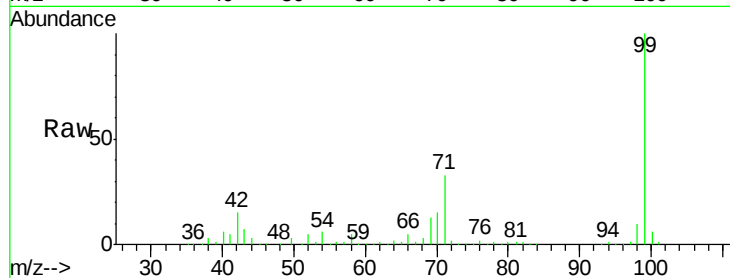
Tot Ion: 99 Resp: 1295505

Ion Ratio Lower Upper

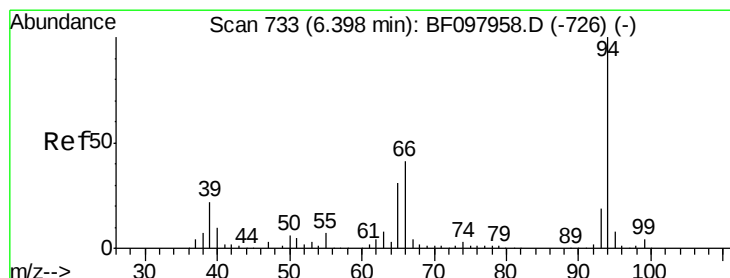
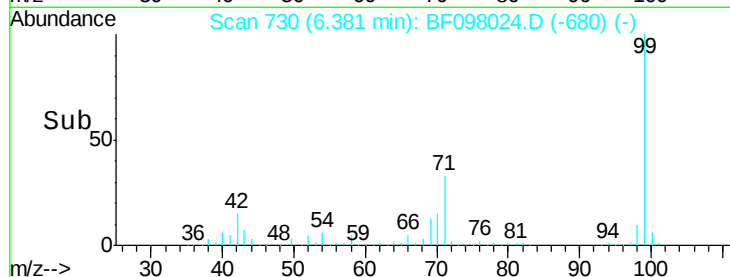
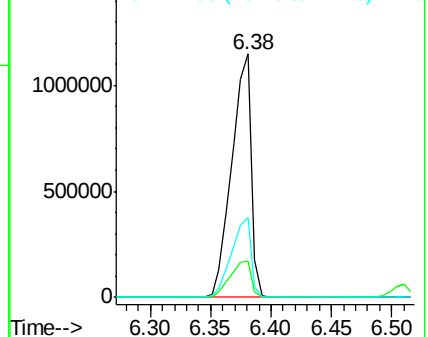
99 100

42 14.8 13.5 20.3

71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.73 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098024.D

Acq: 25 Aug 2017 1:39

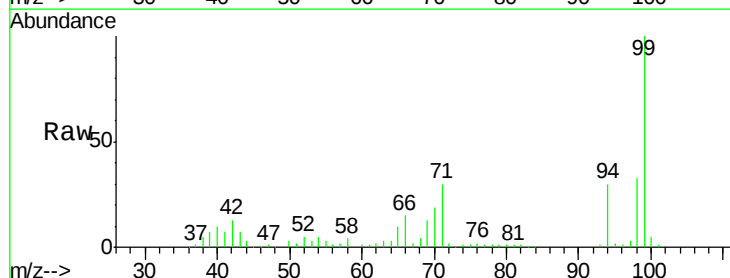
Tgt Ion: 94 Resp: 31502

Ion Ratio Lower Upper

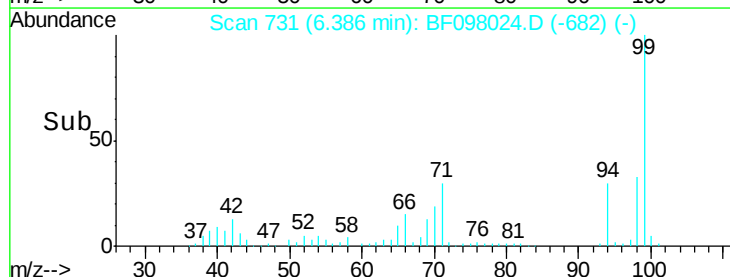
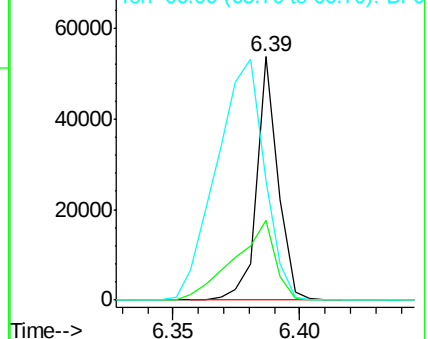
94 100

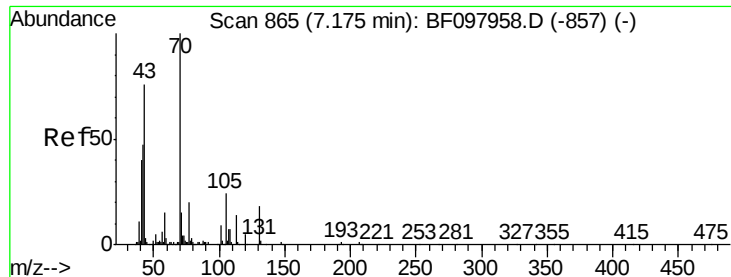
65 32.7 9.9 49.9

66 48.9 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

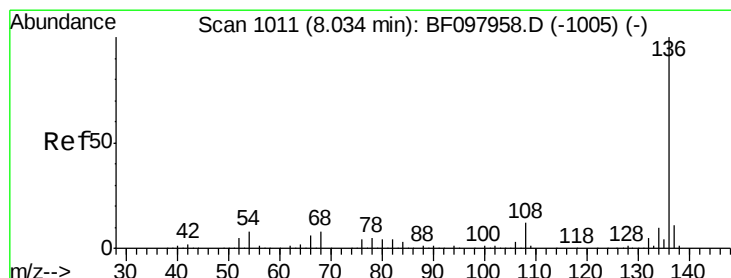
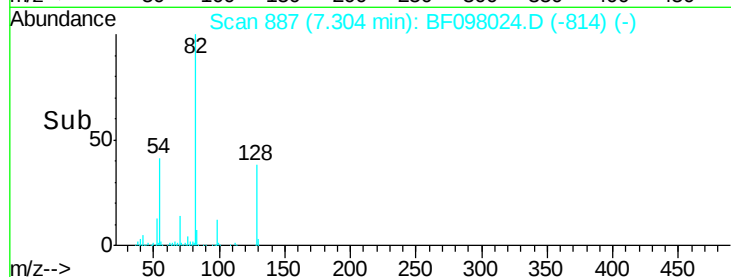
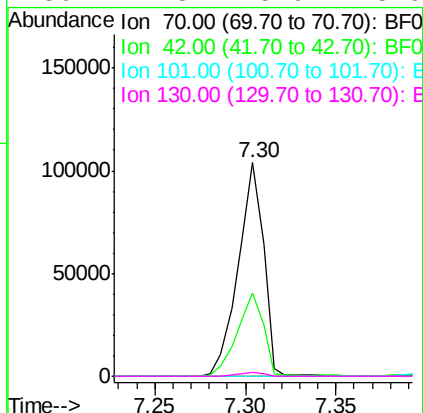
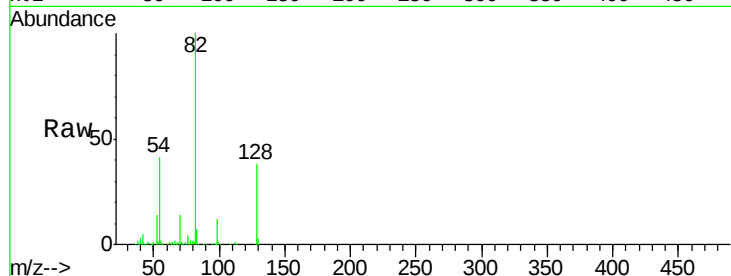




#19
n-Nitroso-di-n-propylamine
Concen: 15.00 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098024.D
Acq: 25 Aug 2017 1:39

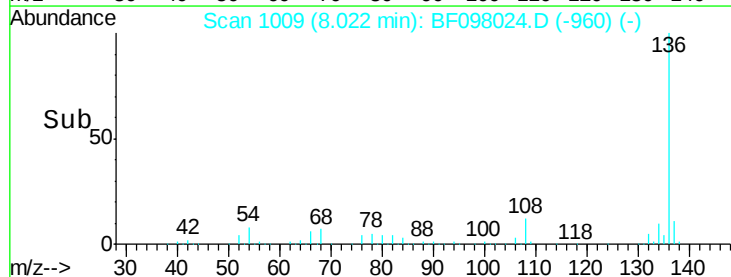
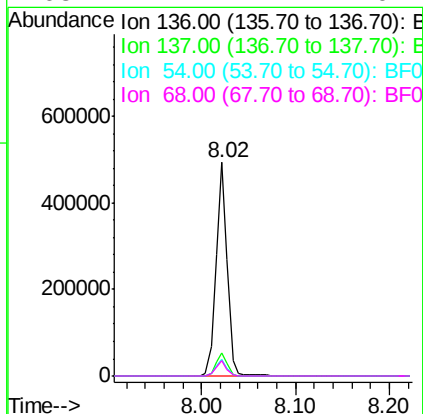
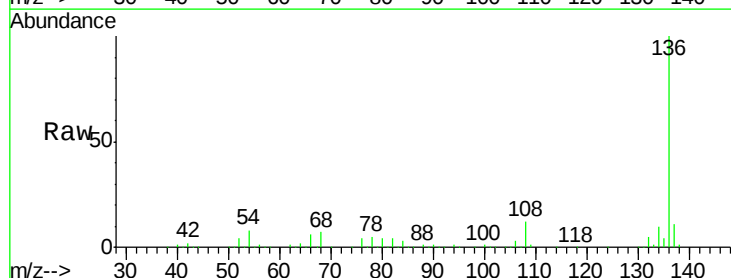
Instrument :
BNA_F
ClientSampleId :
SB4-SOIL-0-9.0

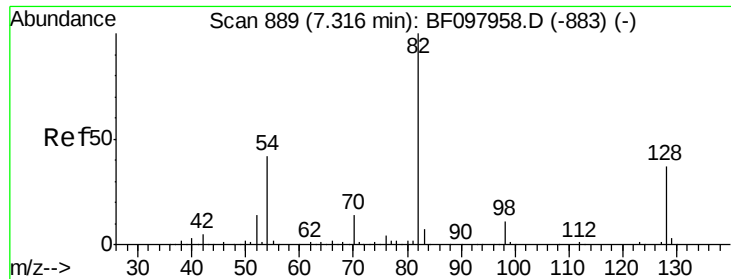
Tot Ion: 70 Resp: 101253
Ion Ratio Lower Upper
70 100
42 39.2 47.2 70.8#
101 0.0 7.2 10.8#
130 1.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098024.D
Acq: 25 Aug 2017 1:39

Tgt Ion: 136 Resp: 416007
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 8.0 4.9 7.3#
68 7.2 4.1 6.1#

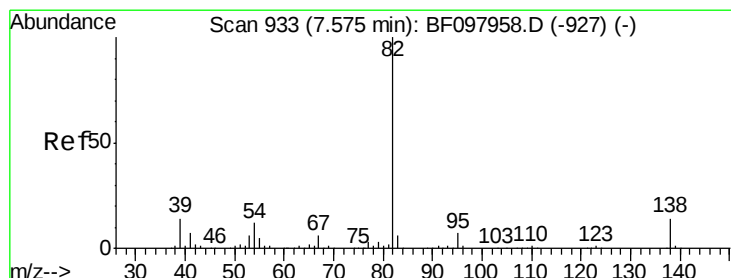
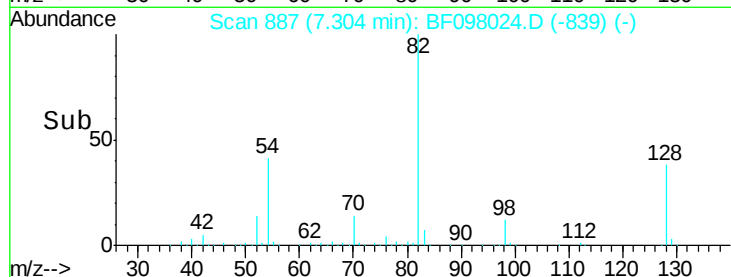
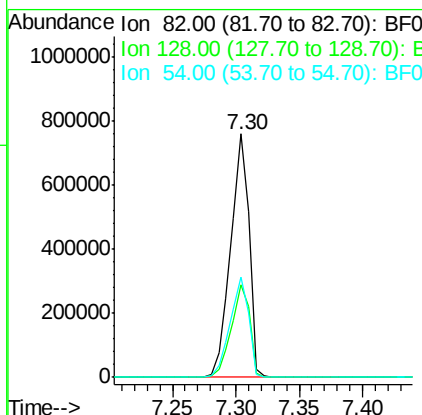
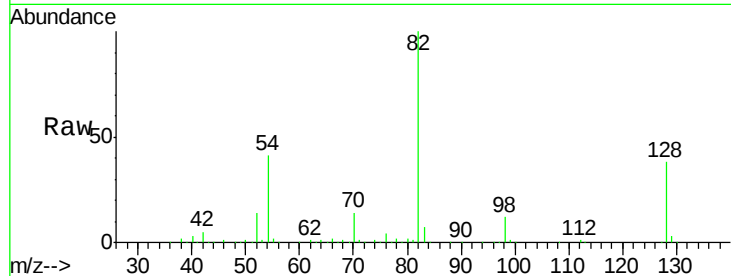




#23
 Nitrobenzene-d5
 Concen: 99.26 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098024.D
 Acq: 25 Aug 2017 1:39

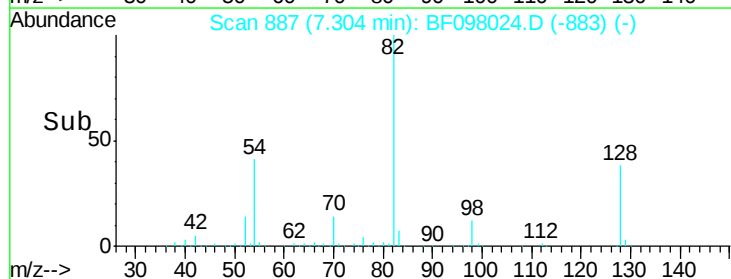
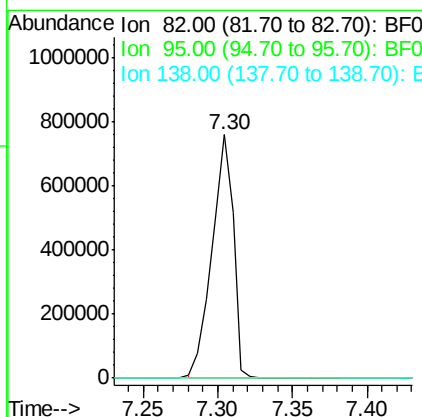
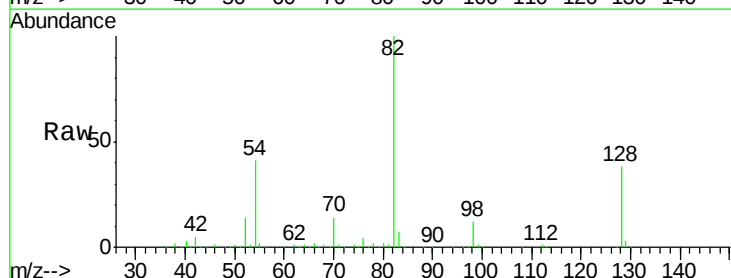
Instrument :
 BNA_F
 ClientSampleId :
 SB4-SOIL-0-9.0

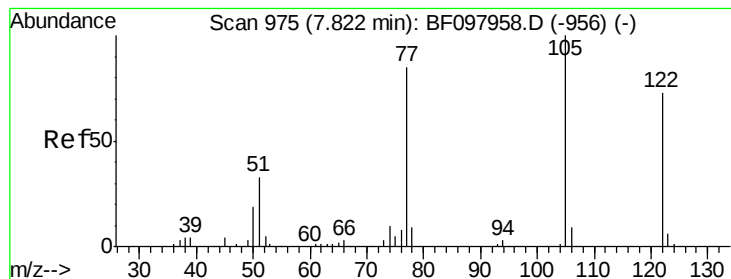
Tot Ion	Ratio	Lower	Upper
82	100		
128	38.2	34.0	51.0
54	41.3	42.2	63.2#



#25
 Isophorone
 Concen: 47.24 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098024.D
 Acq: 25 Aug 2017 1:39

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#





#32

Benzoic acid

Concen: 6.95 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.11 min

Lab File: BF098024.D

Acq: 25 Aug 2017 1:39

Instrument :

BNA_F

ClientSampleId :

SB4-SOIL-0-9.0

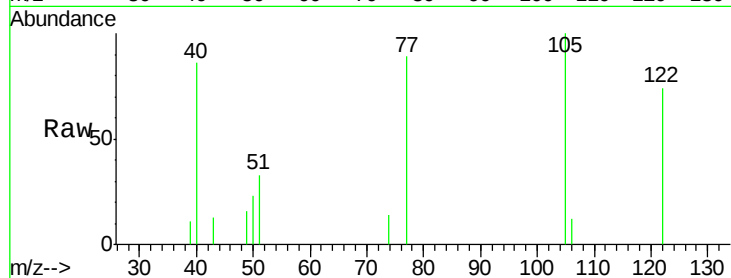
Tot Ion:122 Resp: 3042

Ion Ratio Lower Upper

122 100

105 134.6 103.3 143.3

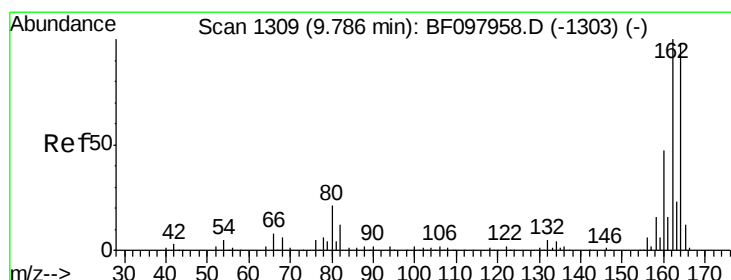
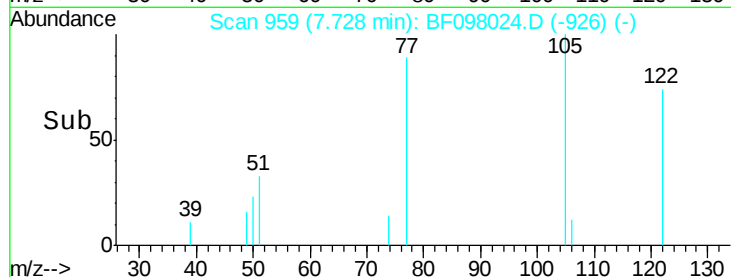
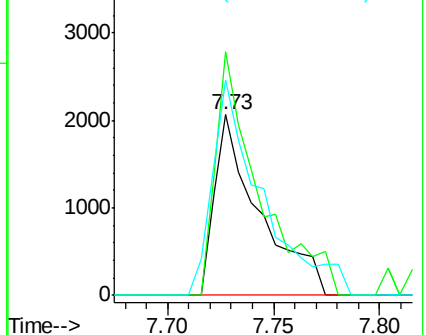
77 119.4 73.7 113.7#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF098024.D

Acq: 25 Aug 2017 1:39

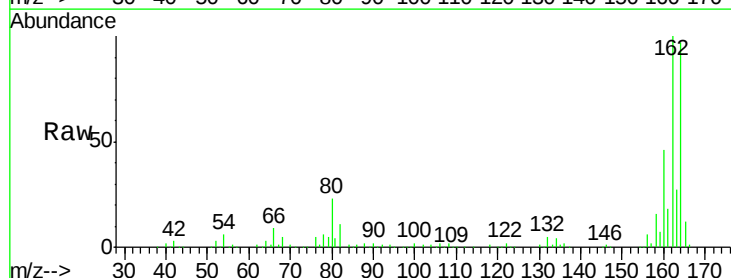
Tgt Ion:164 Resp: 163607

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

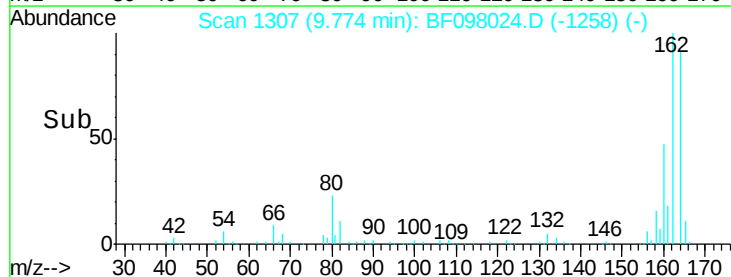
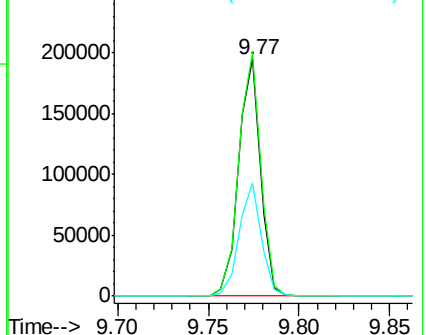
160 47.7 36.2 54.2

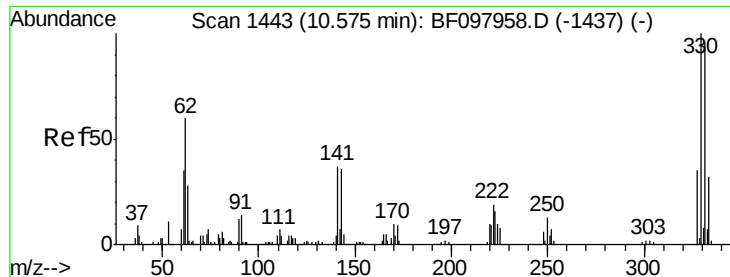


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

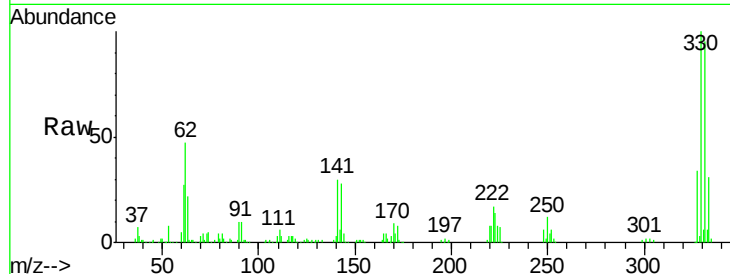




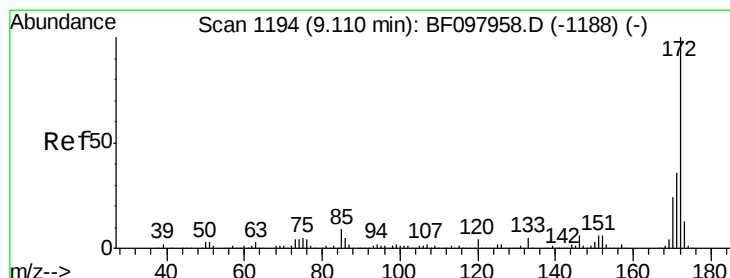
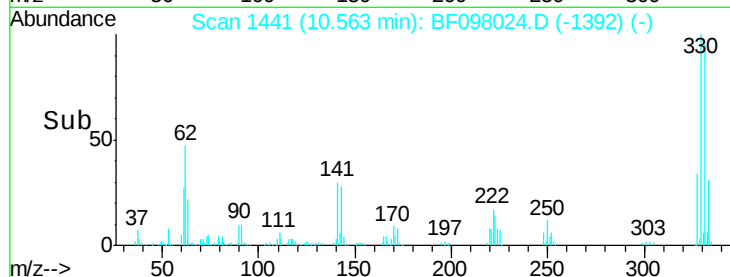
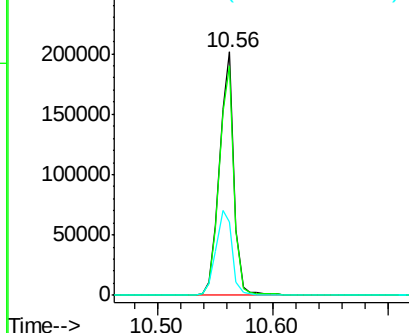
#41
 2,4,6-Tribromophenol
 Concen: 123.55 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098024.D
 Acq: 25 Aug 2017 1:39

Instrument :
 BNA_F
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 SB4-SOIL-0-9.0

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	39.2	31.4	47.2

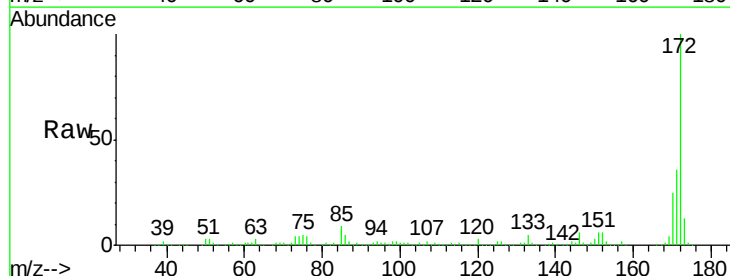


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

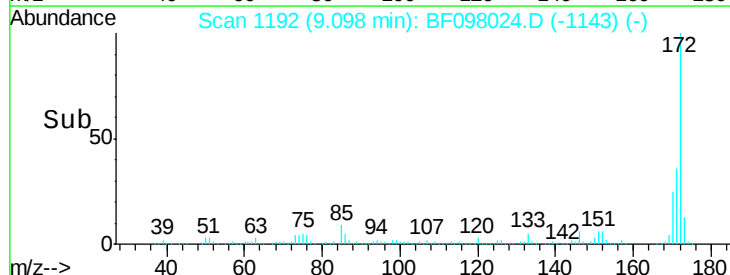
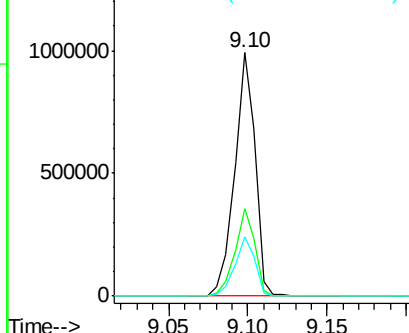


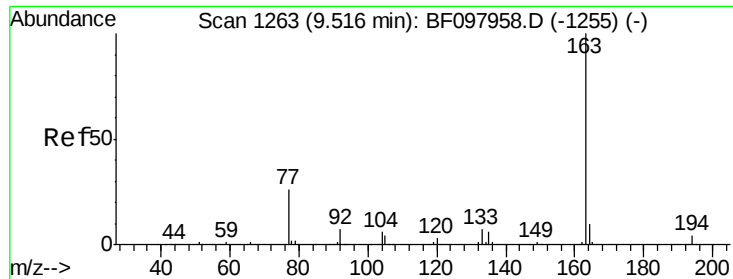
#44
 2-Fluorobiphenyl
 Concen: 79.77 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF098024.D
 Acq: 25 Aug 2017 1:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	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

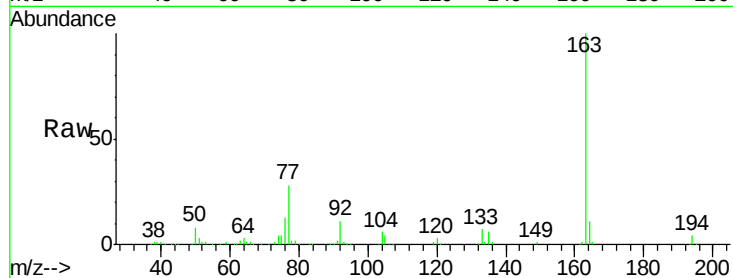




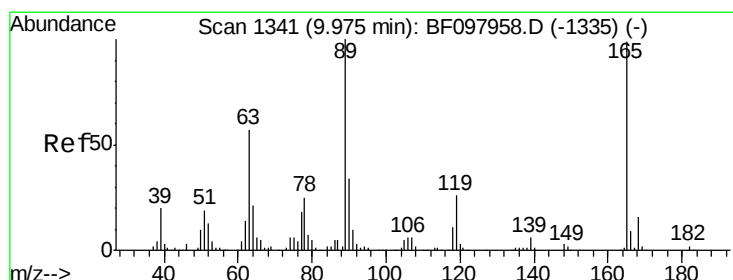
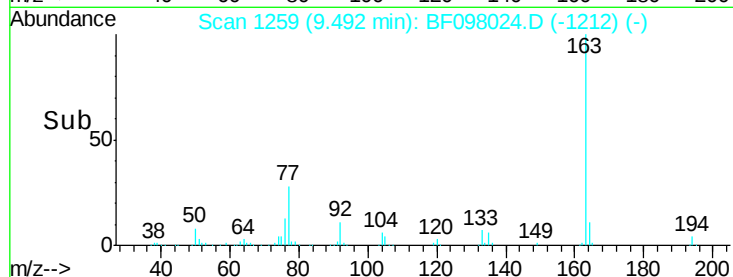
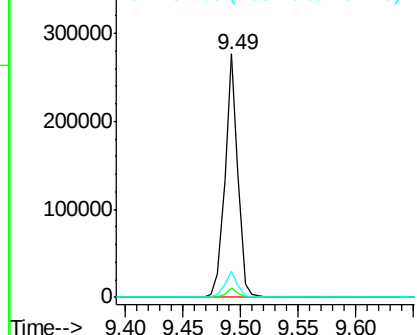
#49
Dimethylphthalate
Concen: 17.93 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098024.D
Acq: 25 Aug 2017 1:39

Instrument :
BNA_F
ClientSampleId :
SB4-SOIL-0-9.0

Tot Ion:163 Resp: 214395
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.7 8.4 12.6

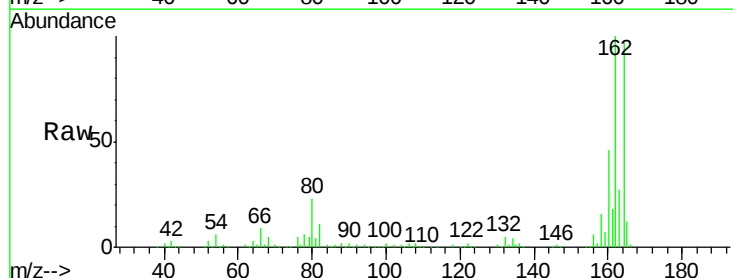


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

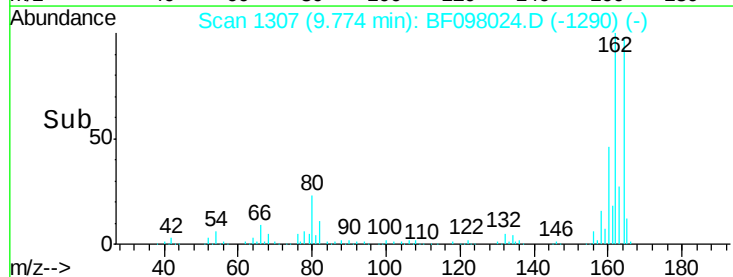
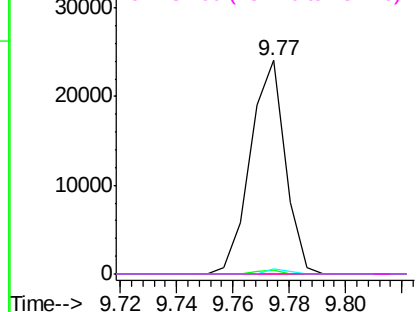


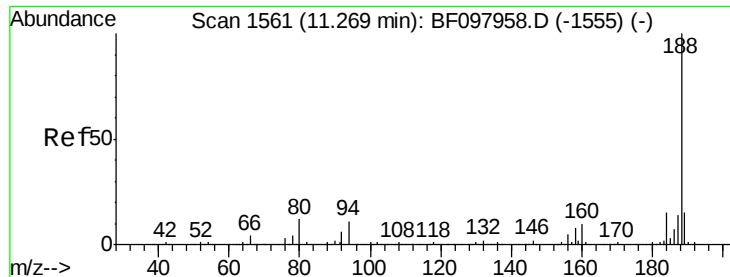
#56
2,4-Dinitrotoluene
Concen: 6.88 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.20 min
Lab File: BF098024.D
Acq: 25 Aug 2017 1:39

Tgt Ion:165 Resp: 20601
Ion Ratio Lower Upper
165 100
63 1.6 25.4 38.0#
89 2.3 46.4 69.6#
182 0.0 1.8 2.6#



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098024.D

Acq: 25 Aug 2017 1:39

Instrument :

BNA_F

ClientSampleId :

SB4-SOIL-0-9.0

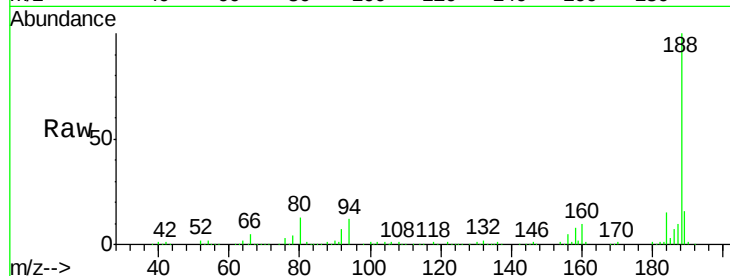
Tot Ion:188 Resp: 274424

Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.2

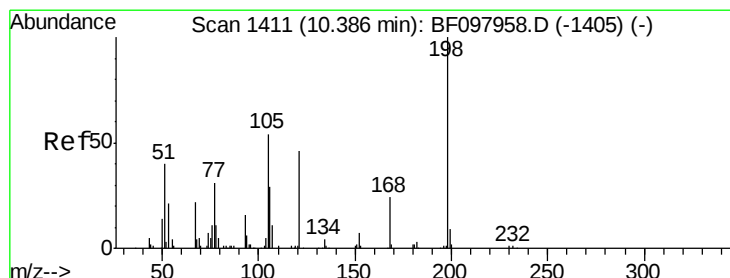
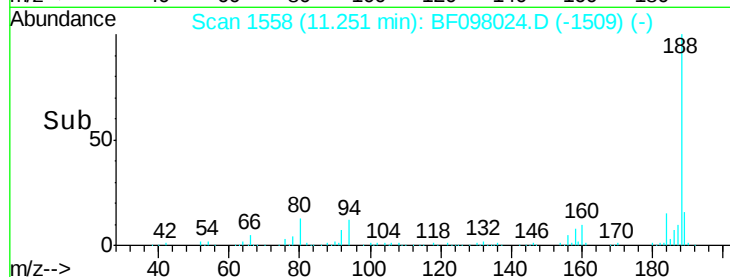
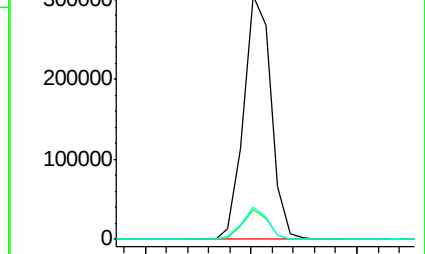
80 13.4 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 8.54 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.18 min

Lab File: BF098024.D

Acq: 25 Aug 2017 1:39

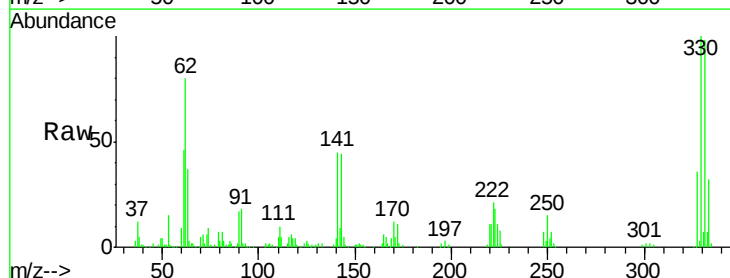
Tgt Ion:198 Resp: 336

Ion Ratio Lower Upper

198 100

51 201.2 53.2 93.2#

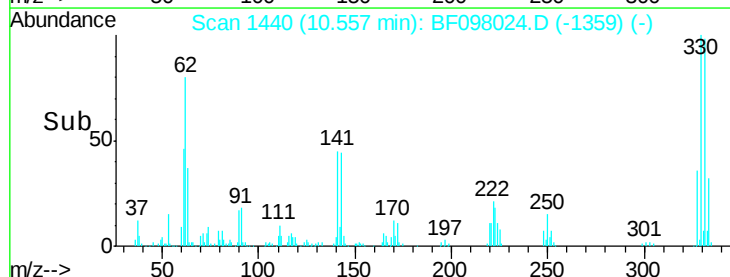
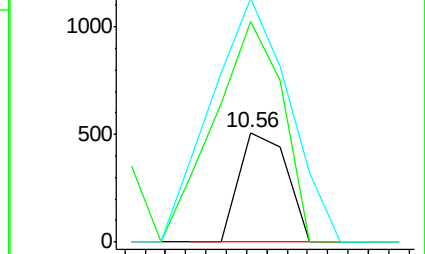
105 222.2 45.8 85.8#

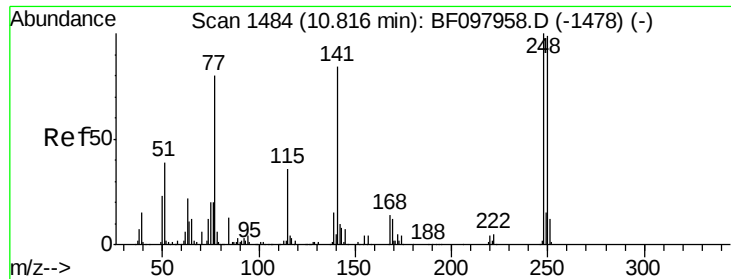


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

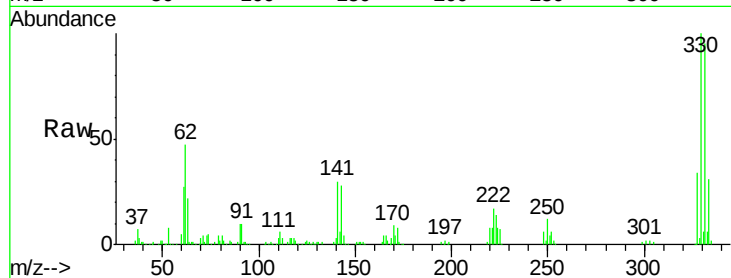




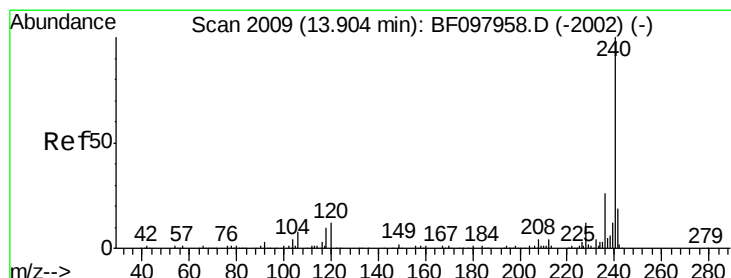
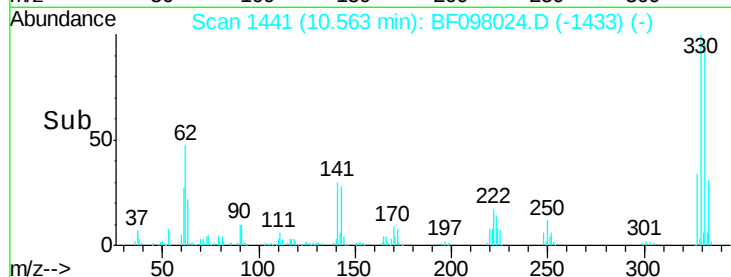
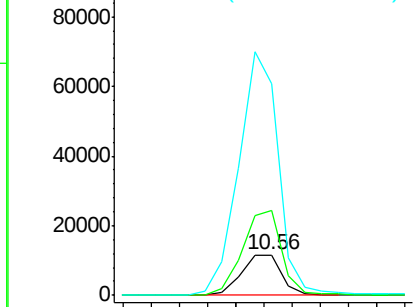
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF098024.D
Acq: 25 Aug 2017 1:39

Instrument :
BNA_F
ClientSampleId :
SB4-SOIL-0-9.0

Tot Ion:248 Resp: 11337
Ion Ratio Lower Upper
248 100
250 211.5 76.8 115.2#
141 524.2 68.6 103.0#

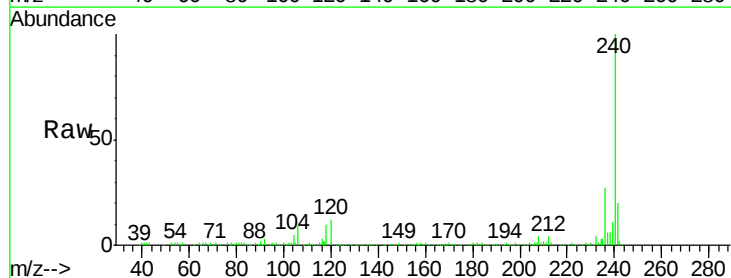


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

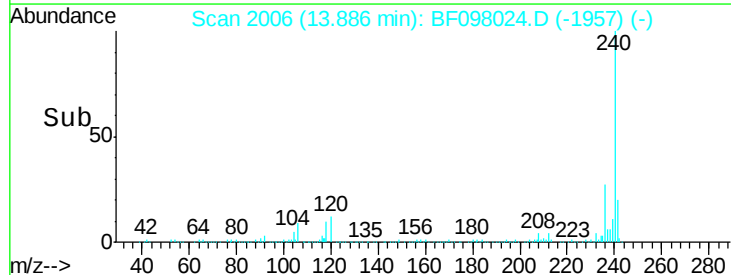
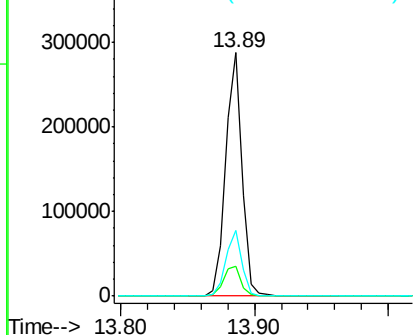


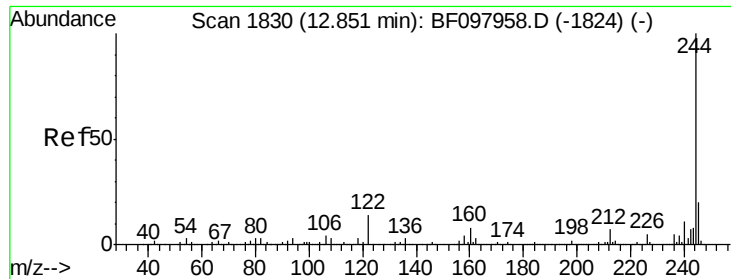
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF098024.D
Acq: 25 Aug 2017 1:39

Tgt Ion:240 Resp: 249761
Ion Ratio Lower Upper
240 100
120 12.4 5.8 8.8#
236 26.9 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

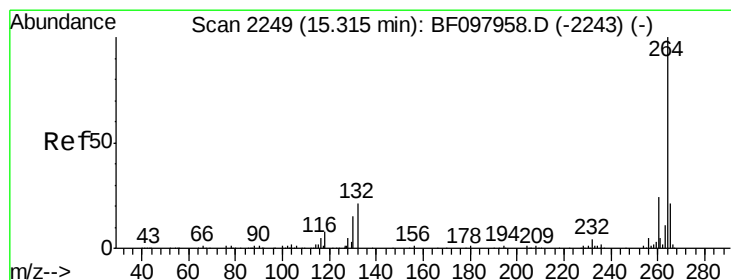
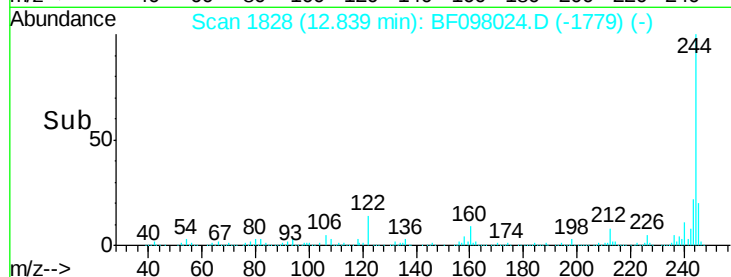
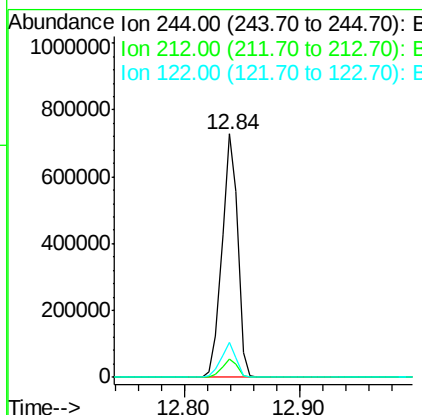
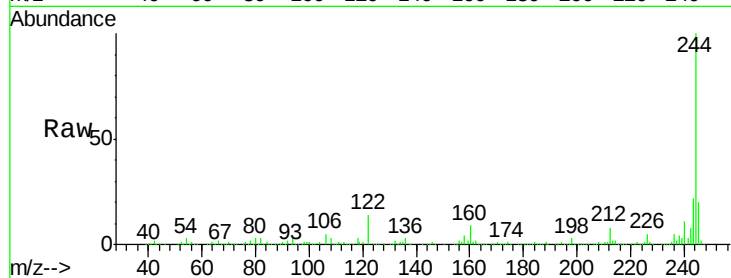




#78
 Terphenyl-d14
 Concen: 57.17 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF098024.D
 Acq: 25 Aug 2017 1:39

Instrument :
 BNA_F
 ClientSampleId :
 SB4-SOIL-0-9.0

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	14.1	10.3	15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF098024.D
 Acq: 25 Aug 2017 1:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.1	17.2	25.8

