

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097381.D
 Acq On : 5 Aug 2017 3:37
 Operator : SJ/JU
 Sample : I4586-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Quant Time: Aug 05 06:34:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

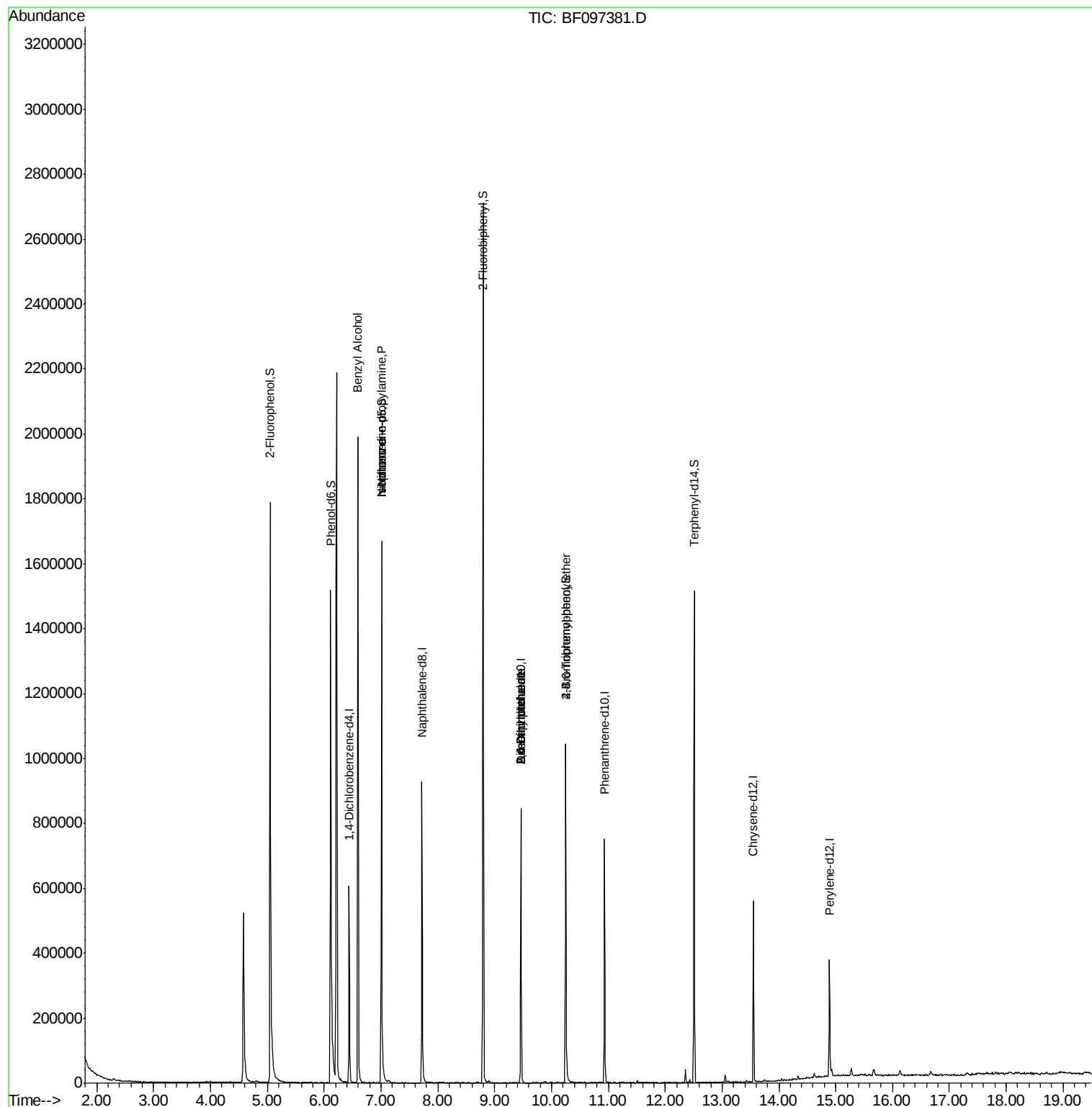
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	91885	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	437217	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	176831	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	258220	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	181777	20.00	ng	-0.08
86) Perylene-d12	14.89	264	139516	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	629723	103.31	ng	-0.05
7) Phenol-d6	6.11	99	672689	96.67	ng	-0.06
23) Nitrobenzene-d5	7.01	82	516495	69.30	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	119601	85.60	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	875468	84.02	ng	-0.07
78) Terphenyl-d14	12.51	244	451499	50.64	ng	-0.08
Target Compounds						
15) Benzyl Alcohol	6.59	79	9429	2.14	ng	# 44
19) n-Nitroso-di-n-propylamine	7.01	70	69843	15.25	ng	# 86
25) Isophorone	7.01	82	502588	34.43	ng	# 67
49) Dimethylphthalate	9.46	163	51574	3.84	ng	# 1
50) 2,6-Dinitrotoluene	9.46	165	22297	7.83	ng	# 33
56) 2,4-Dinitrotoluene	9.46	165	22297	6.81	ng	# 32
66) 4-Bromophenyl-phenylether	10.25	248	7670	2.98	ng	# 1

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097381.D
Acq On : 5 Aug 2017 3:37
Operator : SJ/JU
Sample : I4586-03
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

Quant Time: Aug 05 06:34:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration



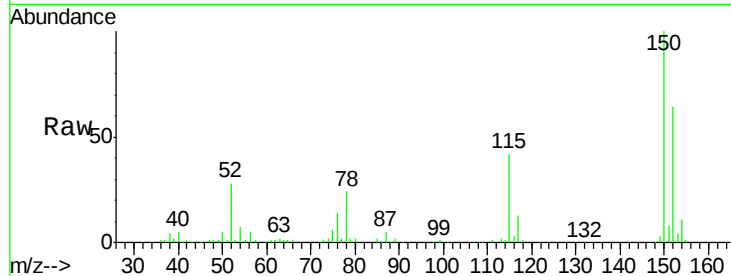


#1

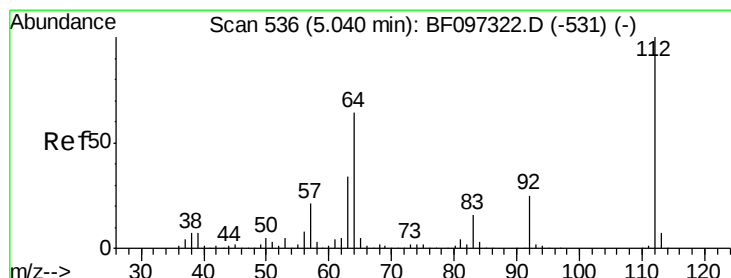
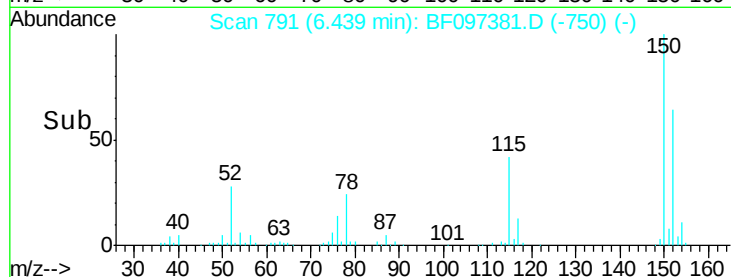
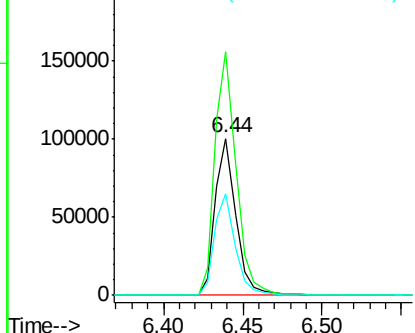
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

Tot Ion:152 Resp: 91885
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.2
115 64.5 52.2 78.2



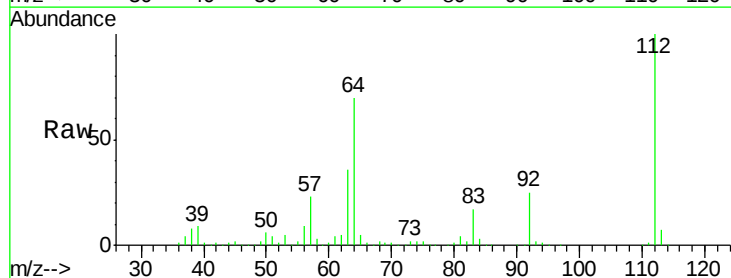
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



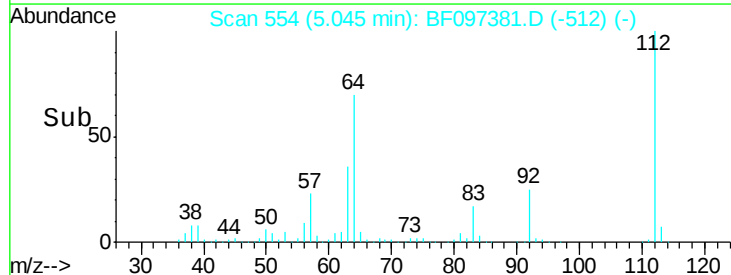
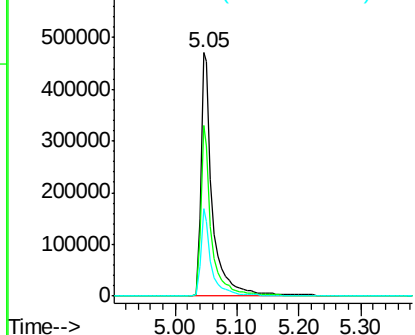
#5

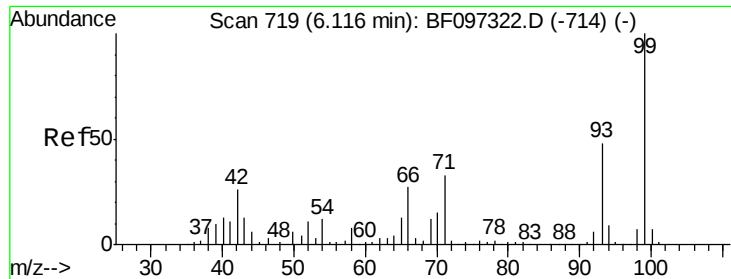
2-Fluorophenol
Concen: 103.31 ng
RT: 5.05 min Scan# 554
Delta R.T. -0.05 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

Tgt Ion:112 Resp: 629723
Ion Ratio Lower Upper
112 100
64 70.2 46.0 69.0#
63 35.7 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





#7

Phenol-d6

Concen: 96.67 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

Instrument :

BNA_F

ClientSampleId :

HARDWICK-SOIL-COMP

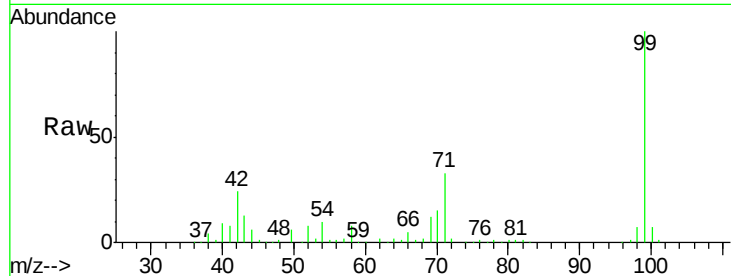
Tot Ion: 99 Resp: 672689

Ion Ratio Lower Upper

99 100

42 24.1 13.5 20.3#

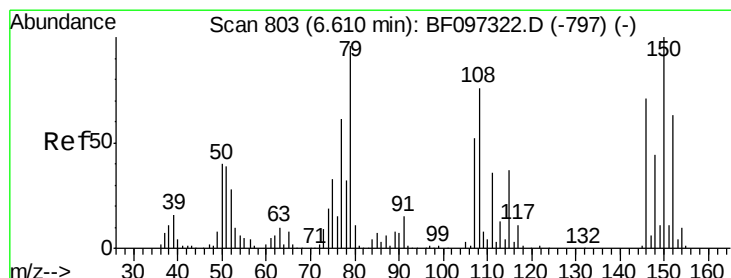
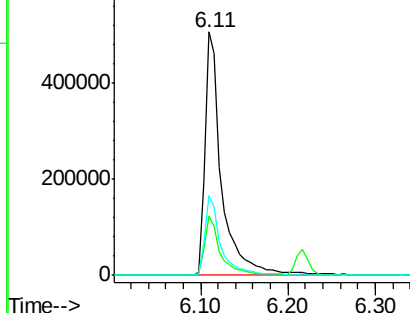
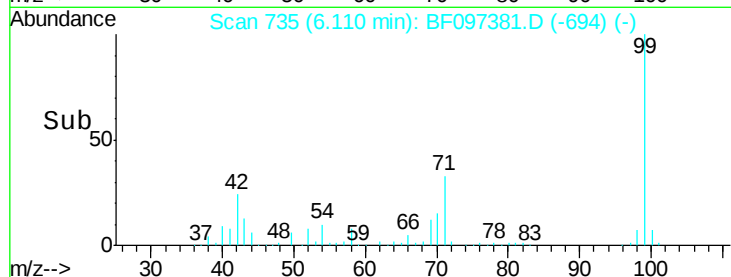
71 32.8 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.14 ng

RT: 6.59 min Scan# 817

Delta R.T. -0.07 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

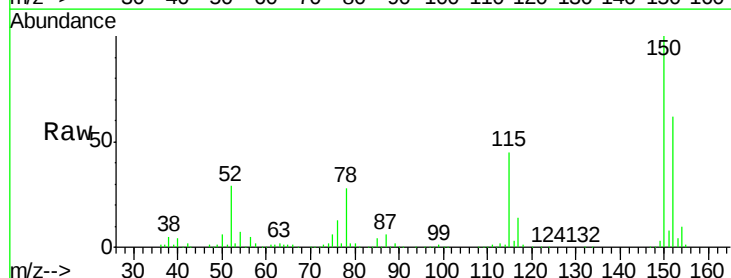
Tgt Ion: 79 Resp: 9429

Ion Ratio Lower Upper

79 100

108 21.8 63.4 95.0#

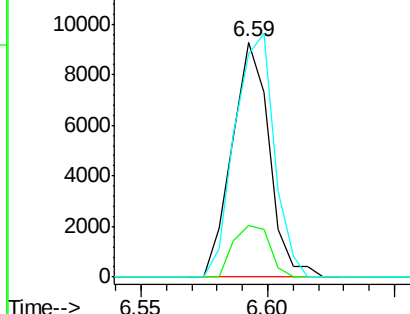
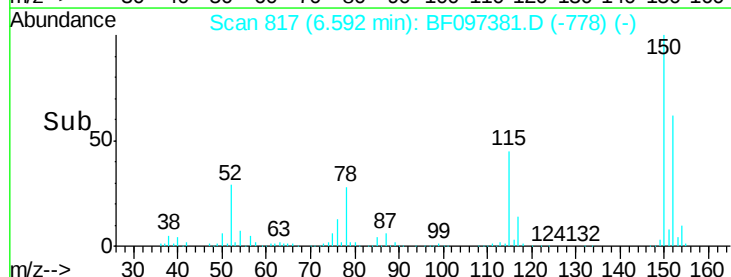
77 95.1 49.2 73.8#

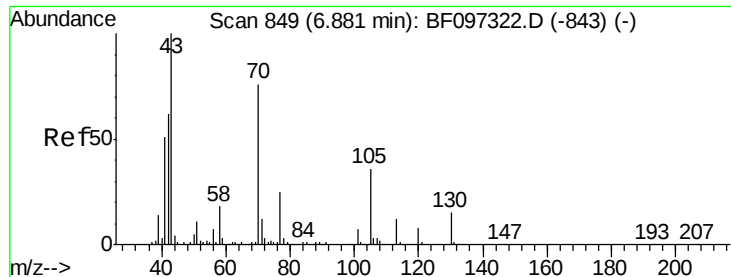


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

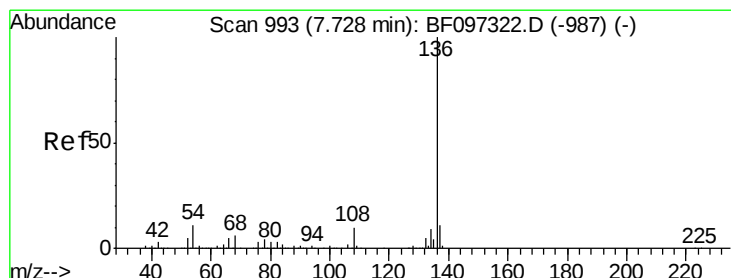
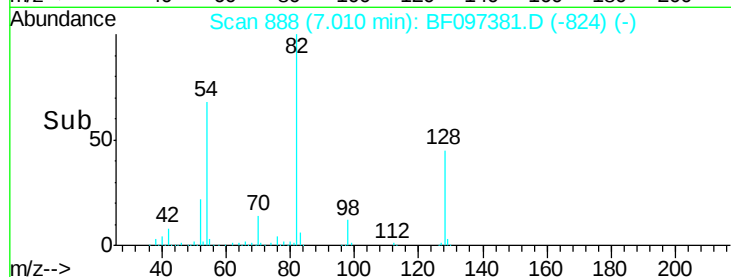
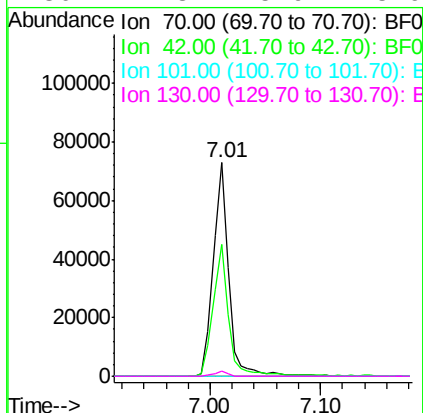
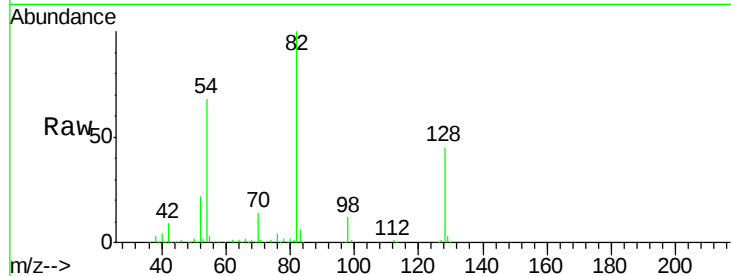




#19
n-Nitroso-di-n-propylamine
Concen: 15.25 ng
RT: 7.01 min Scan# 888
Delta R.T. 0.08 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

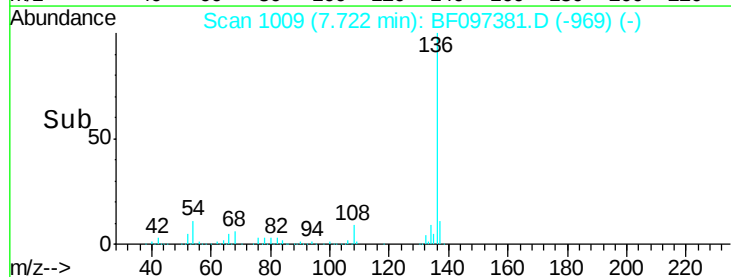
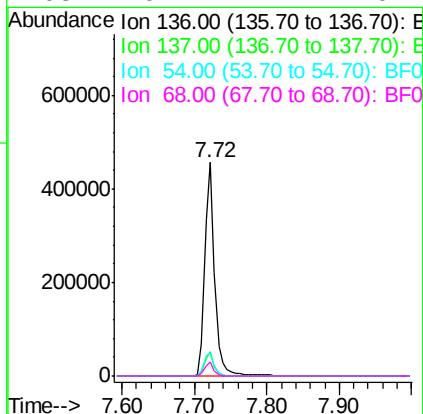
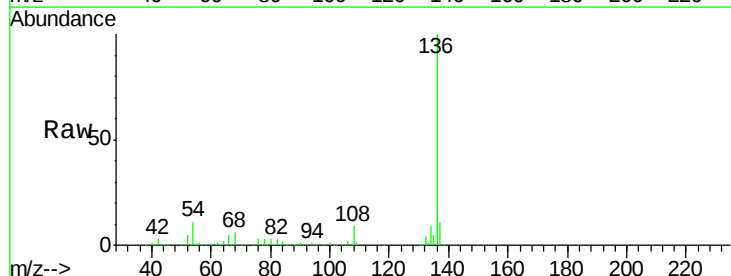
Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

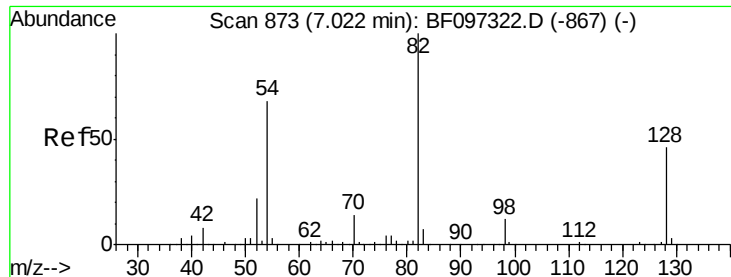
Tot Ion: 70 Resp: 69843
Ion Ratio Lower Upper
70 100
42 61.7 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

Tgt Ion: 136 Resp: 437217
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.6 4.9 7.3#
68 6.4 4.1 6.1#

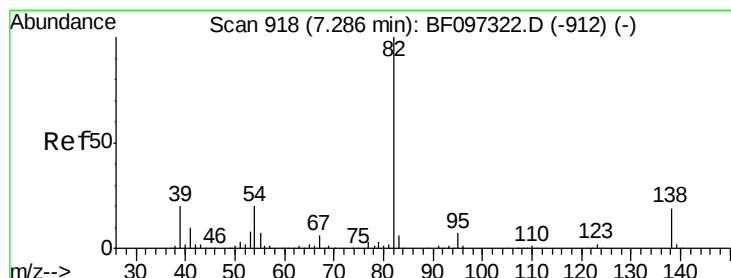
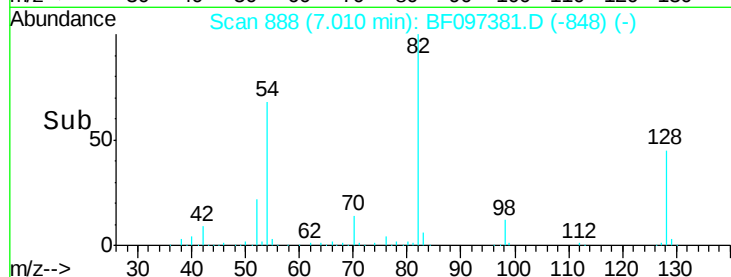
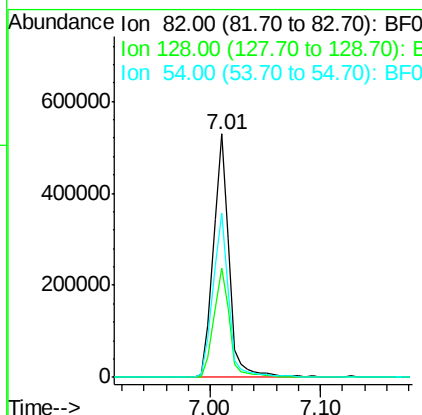
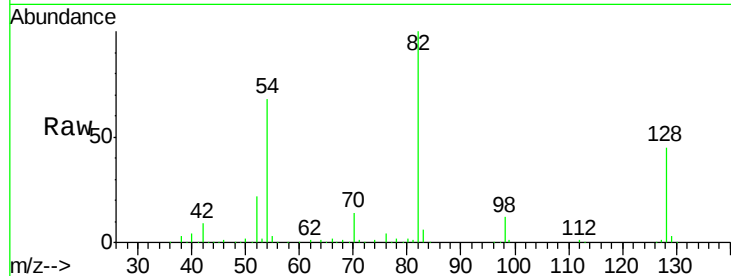




#23
 Nitrobenzene-d5
 Concen: 69.30 ng
 RT: 7.01 min Scan# 888
 Delta R.T. -0.06 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

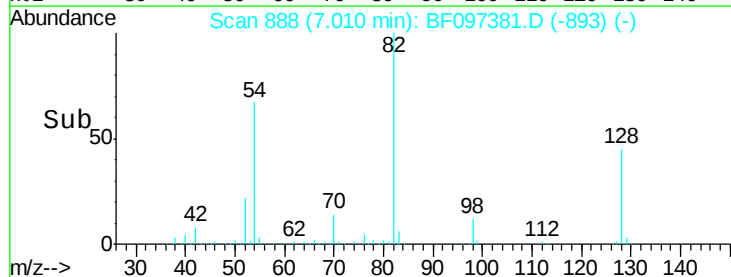
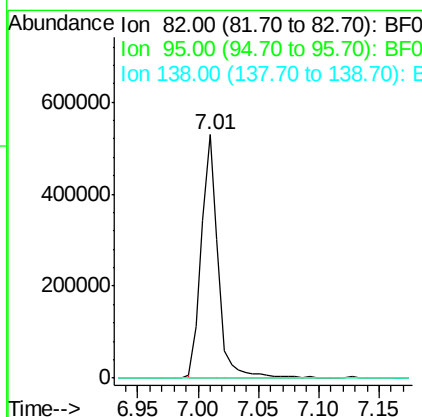
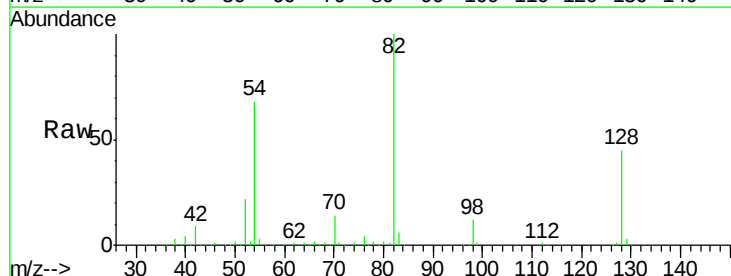
Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

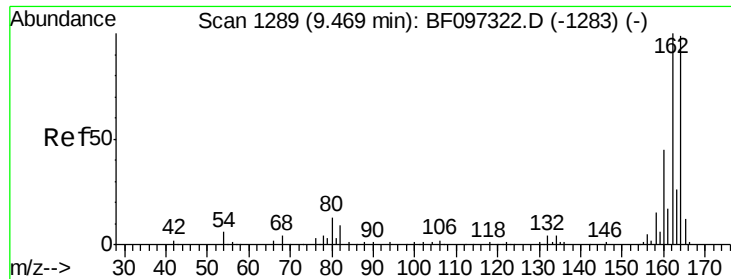
Tot Ion: 82 Resp: 516495
 Ion Ratio Lower Upper
 82 100
 128 44.7 34.0 51.0
 54 67.7 42.2 63.2#



#25
 Isophorone
 Concen: 34.43 ng
 RT: 7.01 min Scan# 888
 Delta R.T. -0.33 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Tgt Ion: 82 Resp: 502588
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.07 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

Instrument :

BNA_F

ClientSampleId :

HARDWICK-SOIL-COMP

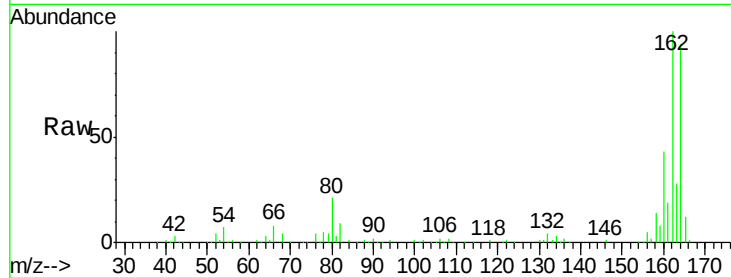
Tot Ion:164 Resp: 176831

Ion Ratio Lower Upper

164 100

162 106.3 82.6 123.8

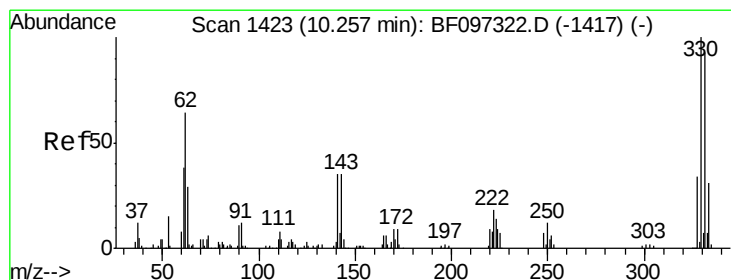
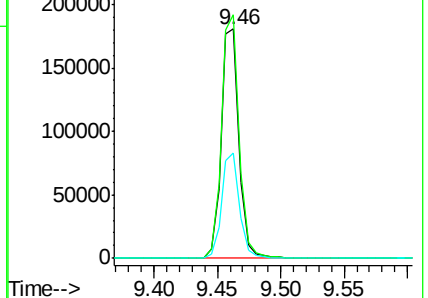
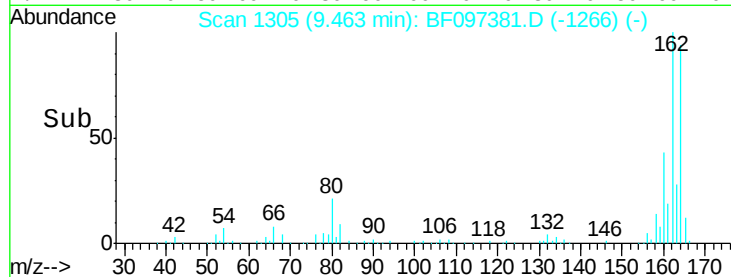
160 46.0 36.2 54.2



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: 85.60 ng

RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

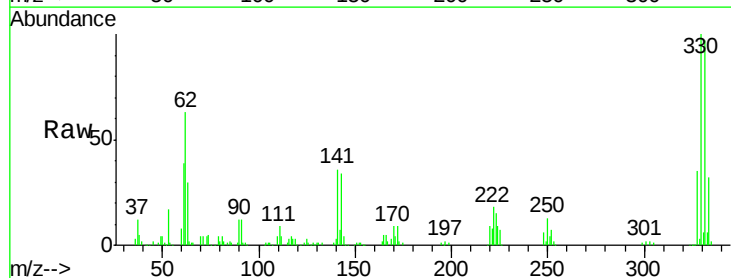
Tgt Ion:330 Resp: 119601

Ion Ratio Lower Upper

330 100

332 93.2 76.6 115.0

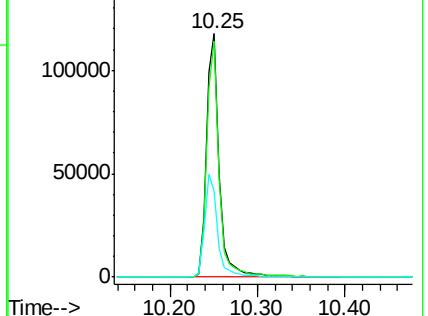
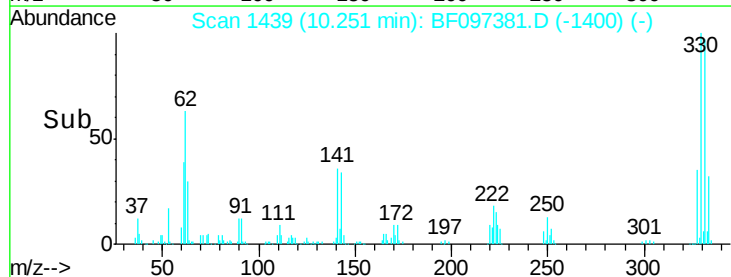
141 42.6 31.4 47.2

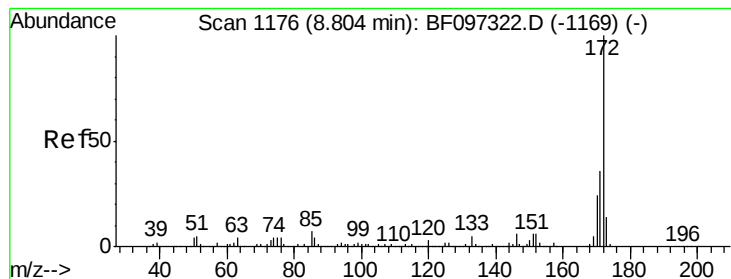


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 84.02 ng

RT: 8.80 min Scan# 1192

Delta R.T. -0.07 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

Instrument :

BNA_F

ClientSampleId :

HARDWICK-SOIL-COMP

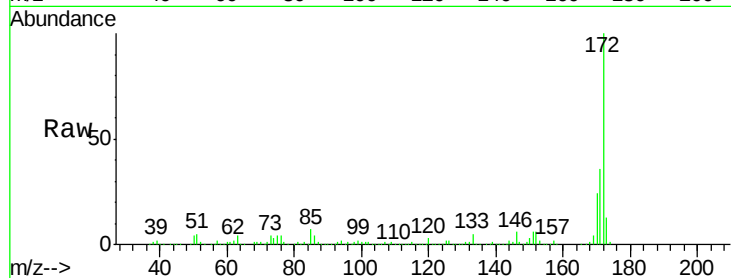
Tot Ion:172 Resp: 875468

Ion Ratio Lower Upper

172 100

171 35.6 29.6 44.4

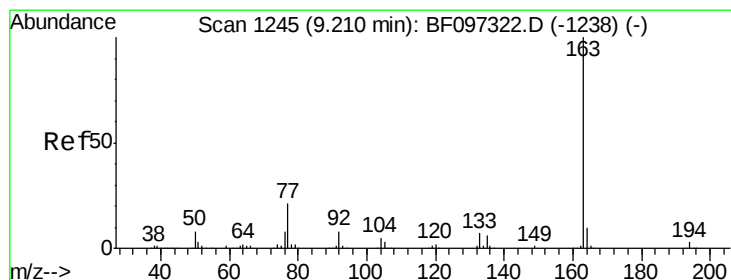
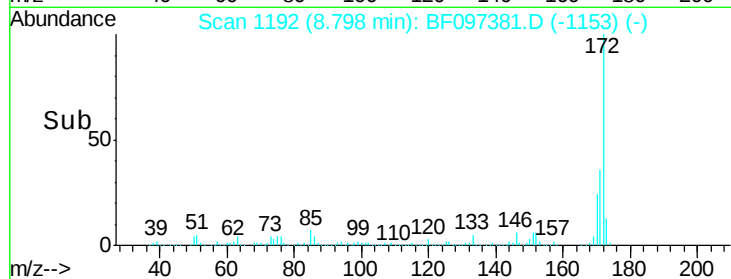
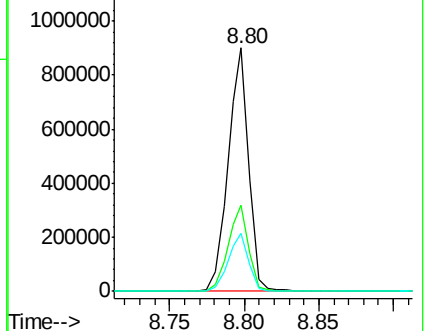
170 23.8 19.8 29.8



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: 3.84 ng

RT: 9.46 min Scan# 1305

Delta R.T. 0.19 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

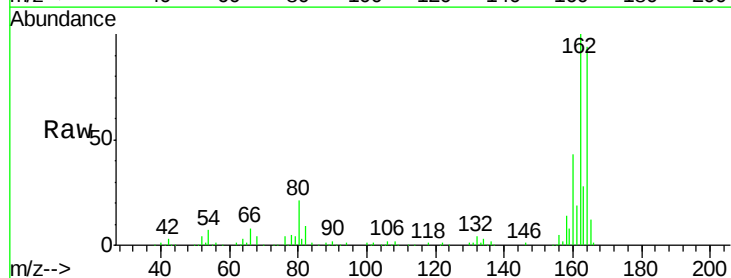
Tgt Ion:163 Resp: 51574

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

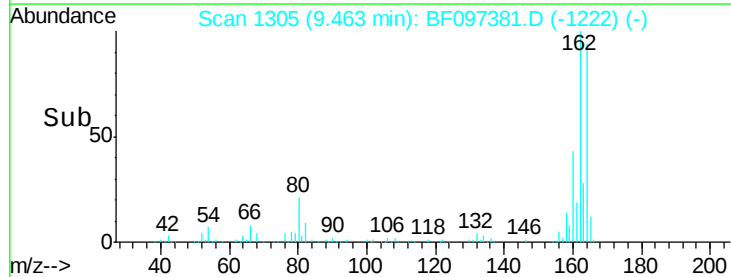
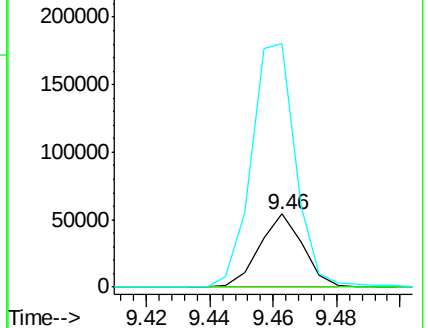
164 333.0 8.4 12.6#

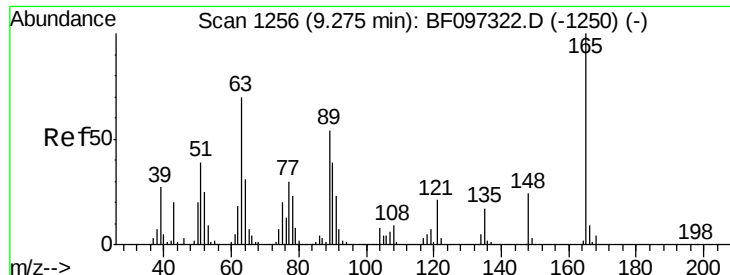


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

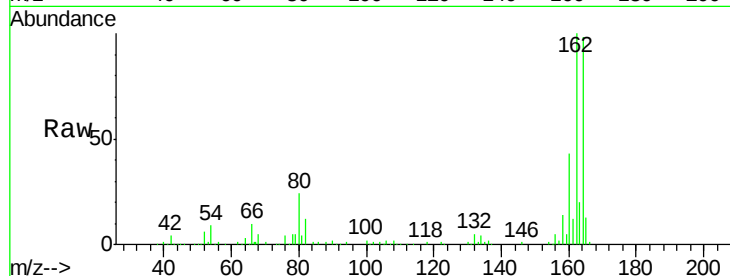




#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.46 min Scan# 1304
 Delta R.T. 0.12 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

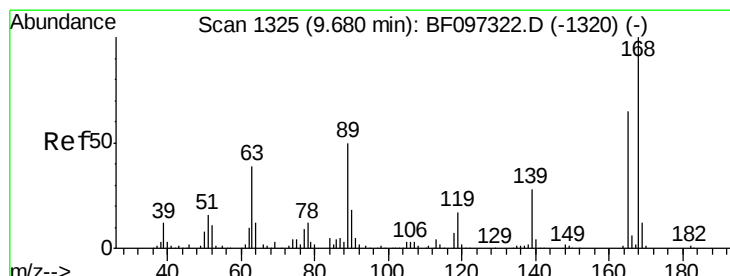
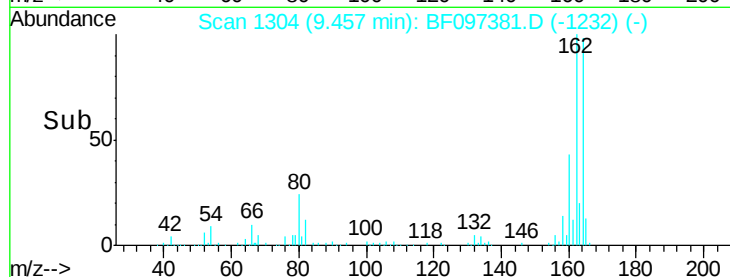
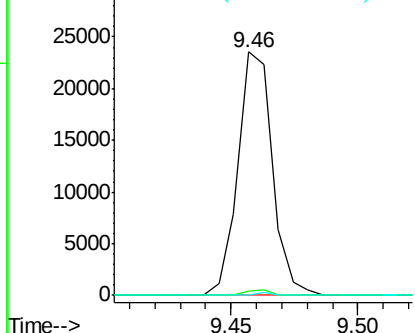
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	0.0	37.1	55.7#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.81 ng
 RT: 9.46 min Scan# 1304
 Delta R.T. -0.28 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

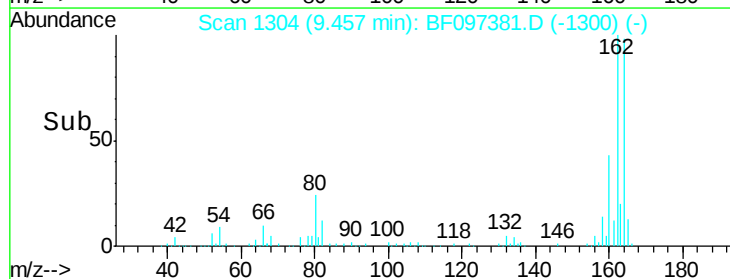
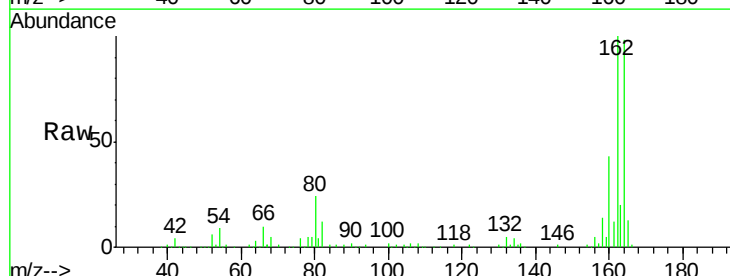
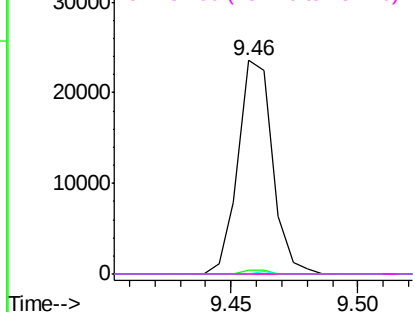
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	0.0	46.4	69.6#
182	0.0	1.8	2.6#

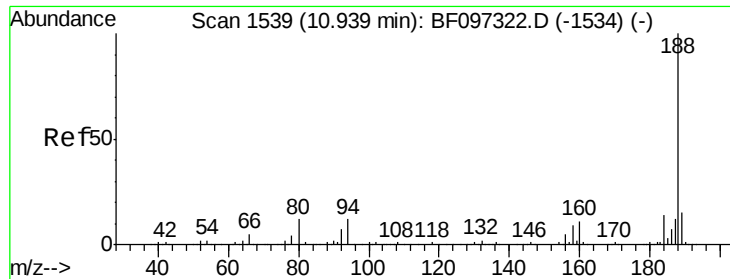
Abundance Ion 165.00 (164.70 to 165.70): E

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

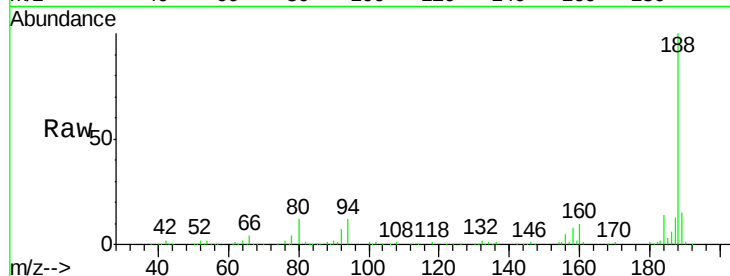




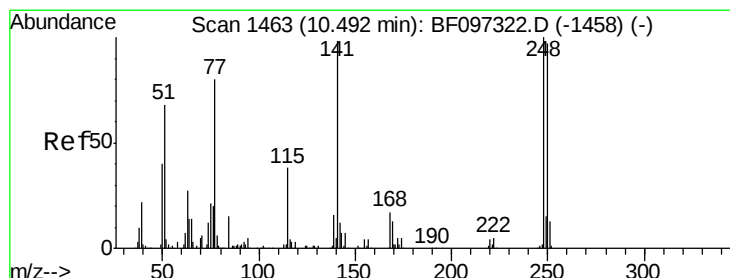
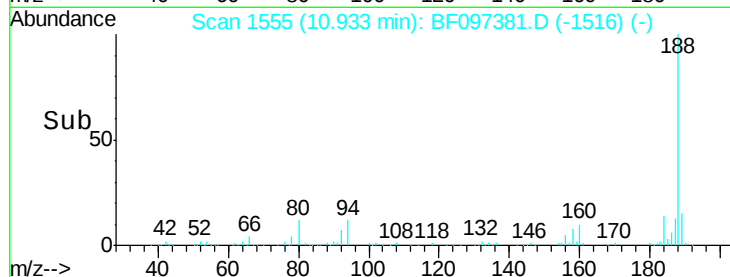
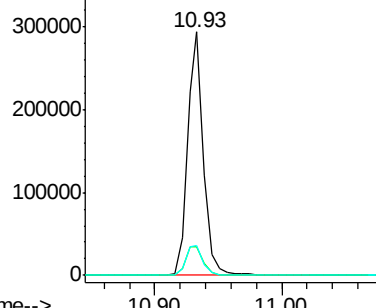
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

Instrument :
BNA_F
ClientSampleId :
HARDWICK-SOIL-COMP

Tot Ion:188 Resp: 258220
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 12.1 10.2 15.2

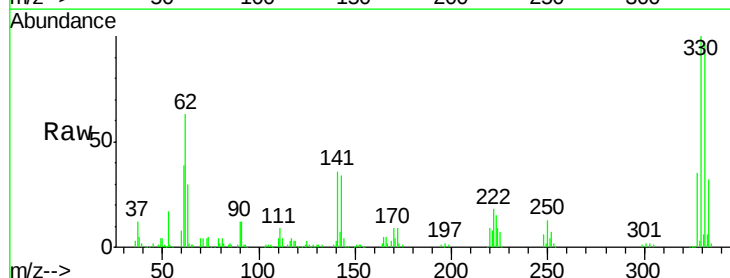


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

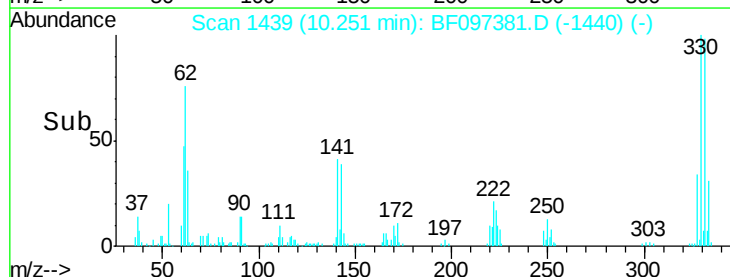
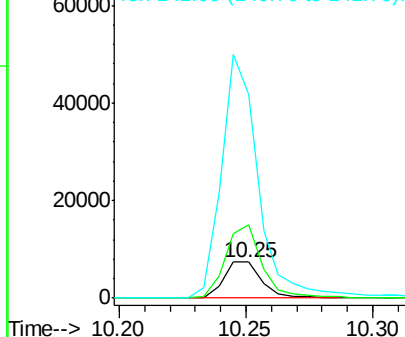


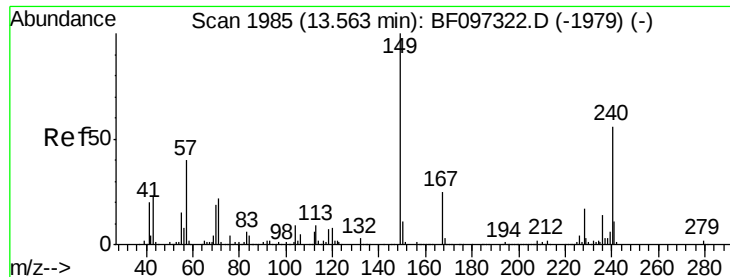
#66
4-Bromophenyl-phenylether
Concen: 2.98 ng
RT: 10.25 min Scan# 1439
Delta R.T. -0.31 min
Lab File: BF097381.D
Acq: 5 Aug 2017 3:37

Tgt Ion:248 Resp: 7670
Ion Ratio Lower Upper
248 100
250 203.2 76.8 115.2#
141 566.2 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: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

Instrument :

BNA_F

ClientSampleId :

HARDWICK-SOIL-COMP

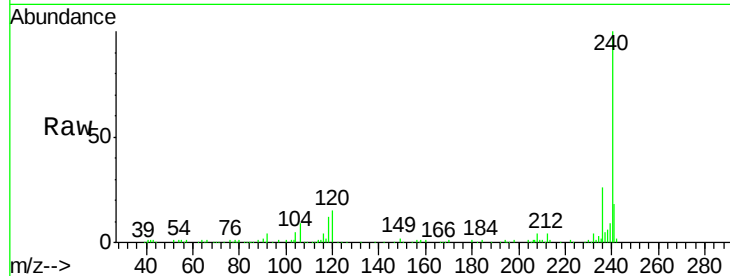
Tot Ion:240 Resp: 181777

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

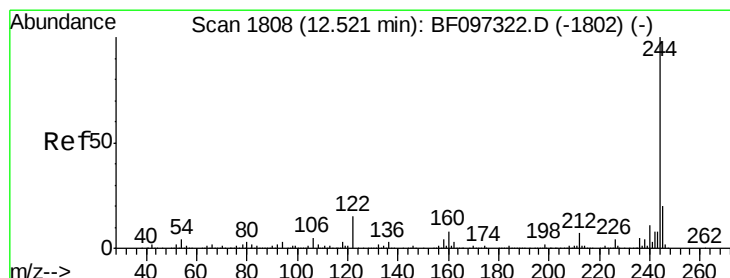
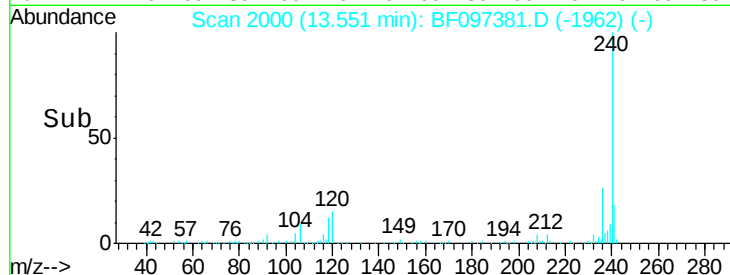
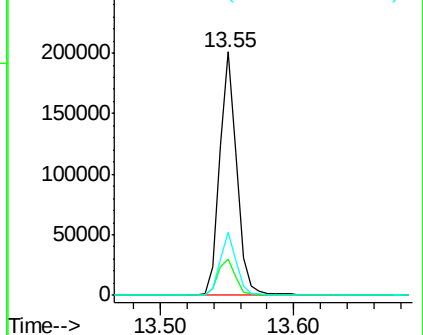
236 26.2 20.5 30.7



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: 50.64 ng

RT: 12.51 min Scan# 1823

Delta R.T. -0.08 min

Lab File: BF097381.D

Acq: 5 Aug 2017 3:37

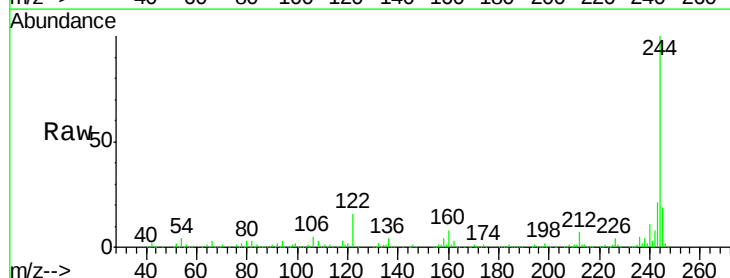
Tgt Ion:244 Resp: 451499

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

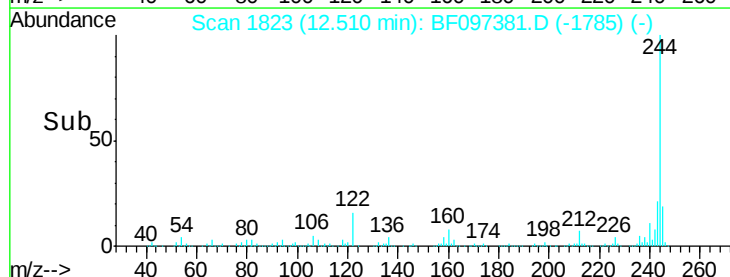
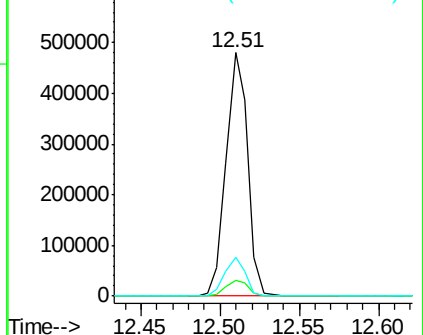
122 15.7 10.3 15.5#

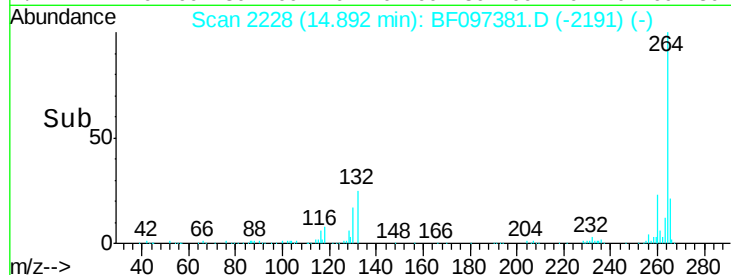
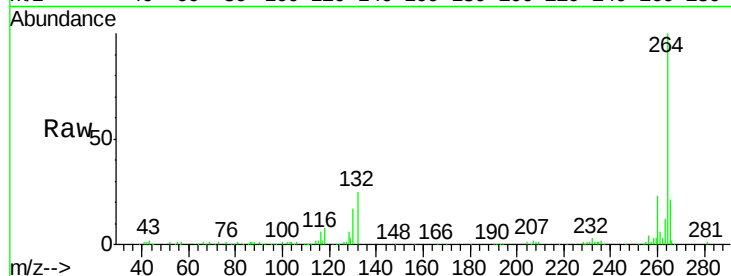
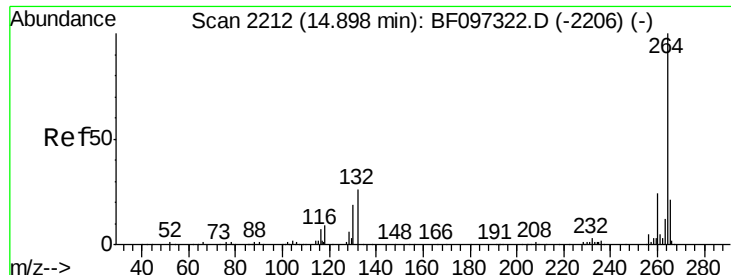


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 14.89 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF097381.D
 Acq: 5 Aug 2017 3:37

Instrument :
 BNA_F
 ClientSampleId :
 HARDWICK-SOIL-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.3	17.2	25.8

