

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042315\
 Data File : BF078762.D
 Acq On : 23 Apr 2015 22:11
 Operator : TP/IZ
 Sample : G1989-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL1

Quant Time: Apr 24 02:04:39 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 00:49:54 2015
 Response via : Initial Calibration

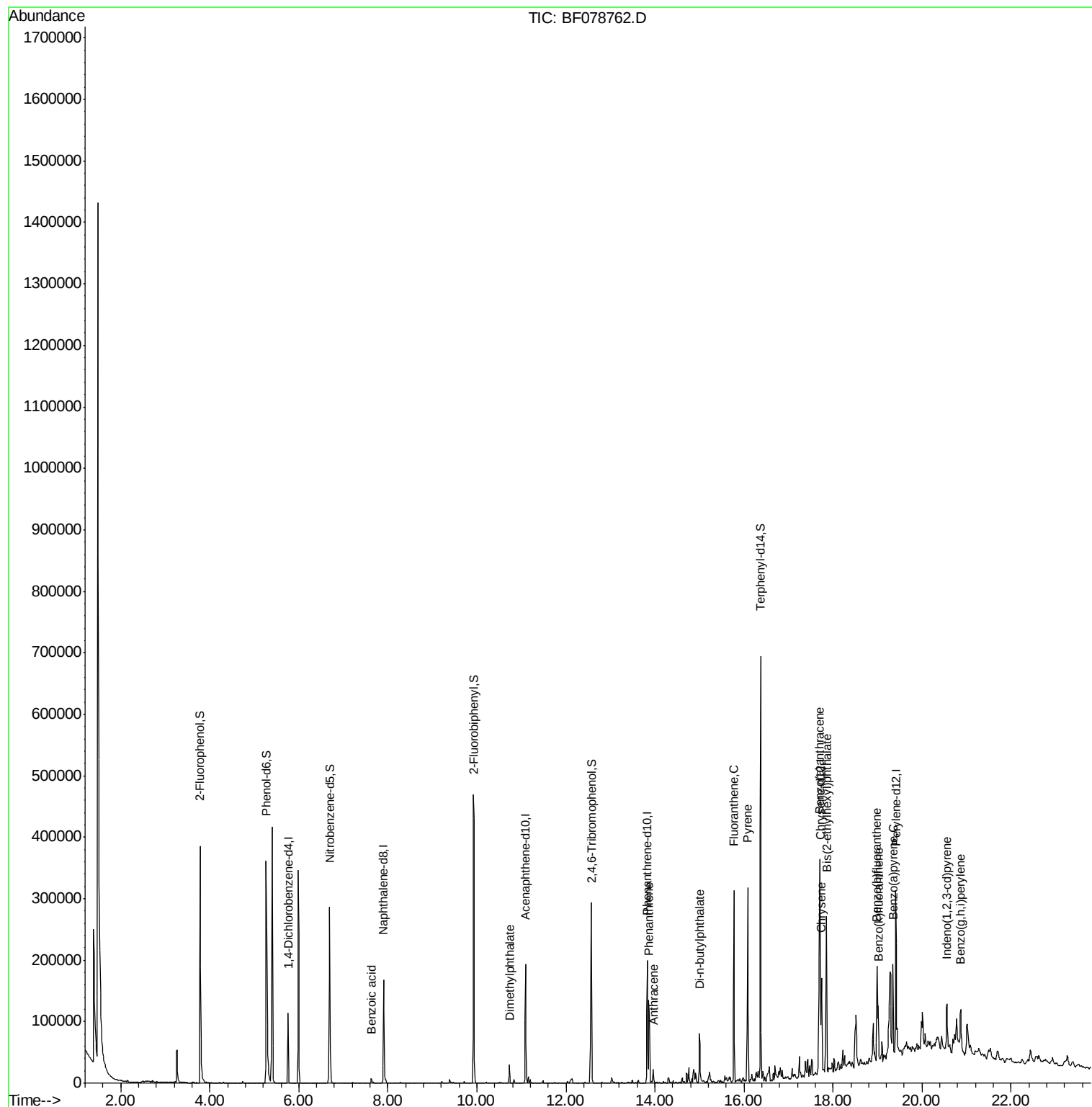
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	28079	20.00	ng	0.01
21) Naphthalene-d8	7.91	136	115993	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	58038	20.00	ng	0.00
63) Phenanthrene-d10	13.83	188	113618	20.00	ng	0.00
75) Chrysene-d12	17.71	240	124456	20.00	ng	0.00
86) Perylene-d12	19.41	264	128799	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	3.78	112	159303	93.54	ng	0.01
7) Phenol-d6	5.27	99	209979	98.38	ng	0.01
23) Nitrobenzene-d5	6.70	82	128540	67.17	ng	0.00
41) 2,4,6-Tribromophenol	12.57	330	54288	112.78	ng	0.00
44) 2-Fluorobiphenyl	9.93	172	253223	62.37	ng	0.00
78) Terphenyl-d14	16.38	244	282330	51.26	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.62	122	3661	9.65	ng	84
49) Dimethylphthalate	10.73	163	18714	4.29	ng	# 99
70) Phenanthrene	13.86	178	81093	12.34	ng	99
71) Anthracene	13.97	178	17320	2.67	ng	99
73) Di-n-butylphthalate	14.99	149	37321	5.43	ng	99
74) Fluoranthene	15.77	202	152398	21.99	ng	93
77) Pyrene	16.08	202	142956	18.30	ng	96
80) Benzo(a)anthracene	17.70	228	88245m	11.92	ng	
82) Chrysene	17.74	228	62996	9.05	ng	98
83) Bis(2-ethylhexyl)phthalate	17.85	149	110735	23.71	ng	99
85) Indeno(1,2,3-cd)pyrene	20.56	276	48186	6.10	ng	94
87) Benzo(b)fluoranthene	18.98	252	101339	12.73	ng	# 94
88) Benzo(k)fluoranthene	19.02	252	30322m	4.29	ng	
89) Benzo(a)pyrene	19.35	252	67727	9.75	ng	# 95
91) Benzo(a,h,i)perylene	20.87	276	47824m	6.86	ng	

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

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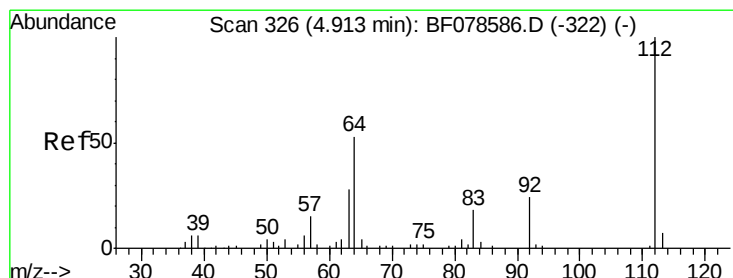
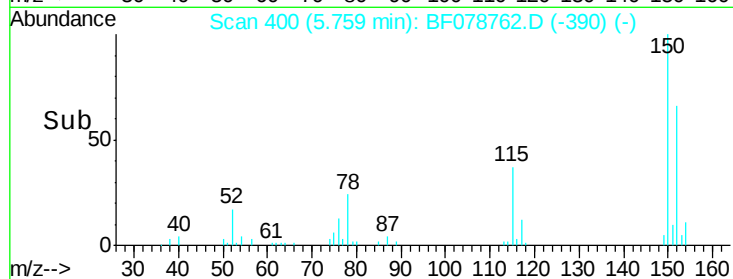
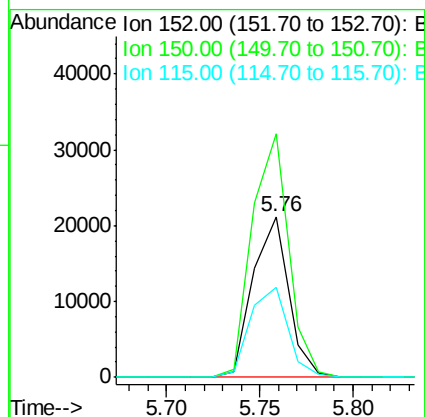
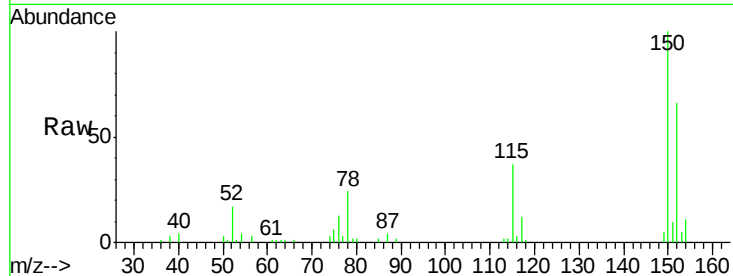


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

Instrument :
 BNA_F
 ClientSampleId :
 SOIL1

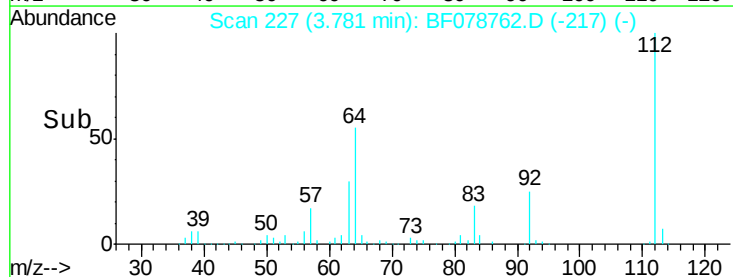
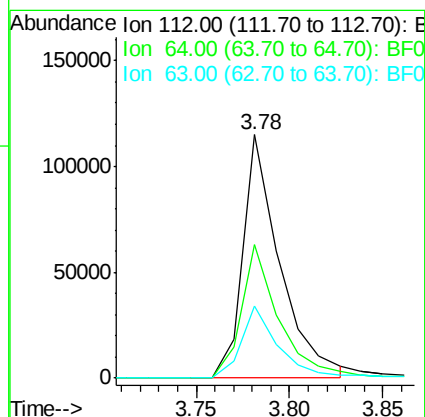
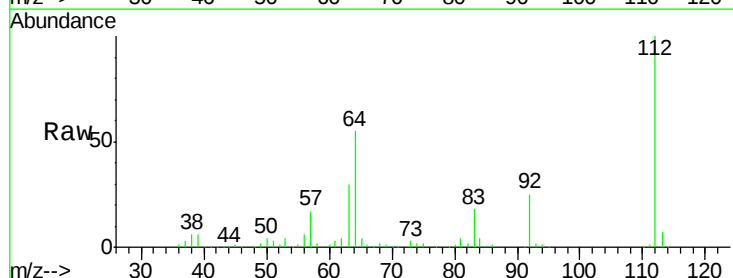
Tot Ion:152 Resp: 28079
 Ion Ratio Lower Upper
 152 100
 150 151.5 125.9 188.9
 115 55.7 52.7 79.1



#5

2-Fluorophenol
 Concen: 93.54 ng
 RT: 3.78 min Scan# 227
 Delta R.T. 0.01 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

Tgt Ion:112 Resp: 159303
 Ion Ratio Lower Upper
 112 100
 64 54.8 39.9 59.9
 63 29.6 20.2 30.4





#7

Phenol-d6

Concen: 98.38 ng

RT: 5.27 min Scan# 357

Delta R.T. 0.01 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL1

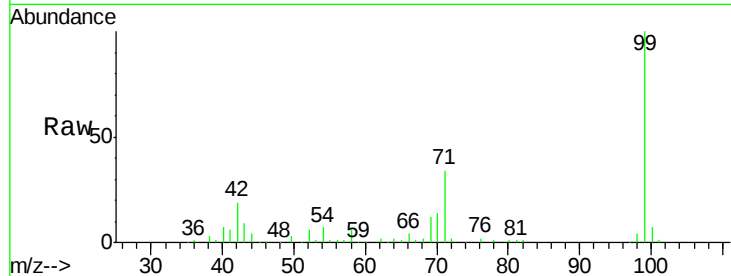
Tot Ion: 99 Resp: 209979

Ion Ratio Lower Upper

99 100

42 18.7 14.8 22.2

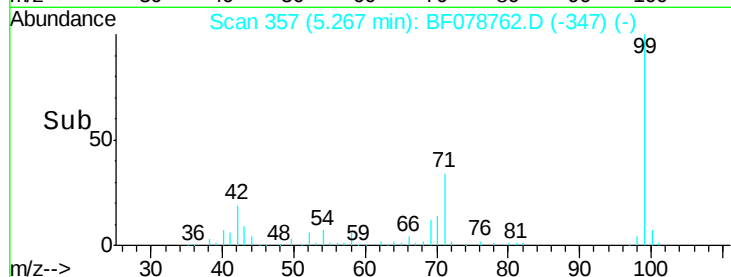
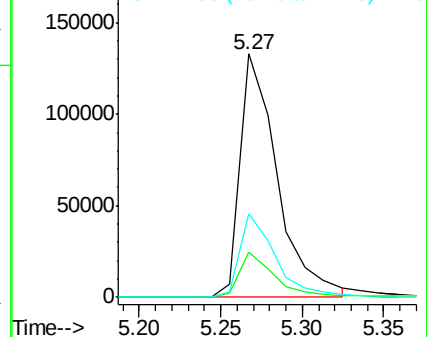
71 34.2 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 588

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

Tgt Ion: 136 Resp: 115993

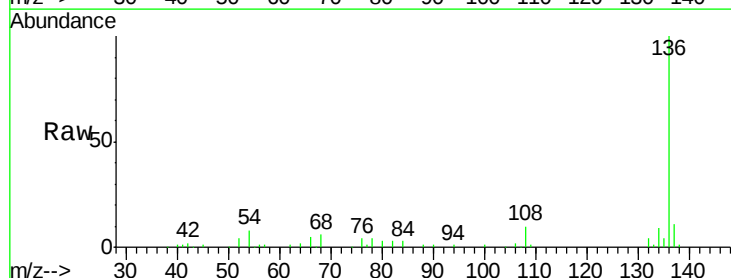
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 8.1 7.0 10.6

68 5.9 5.4 8.2

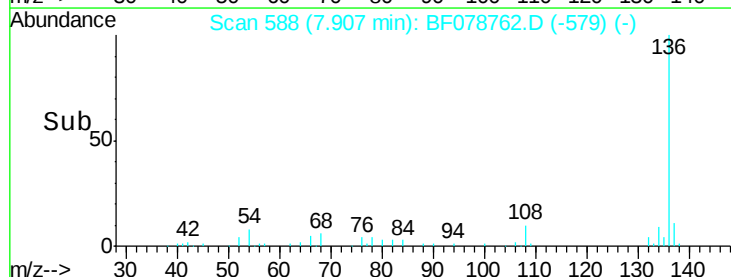
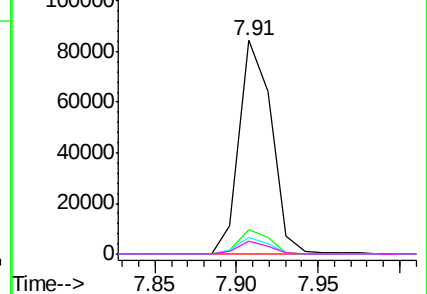


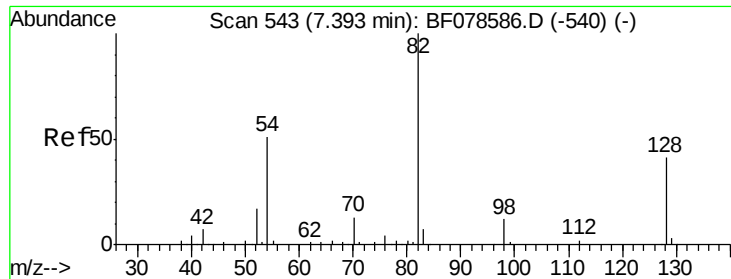
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

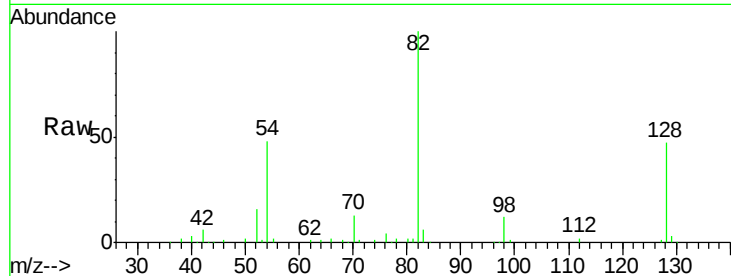




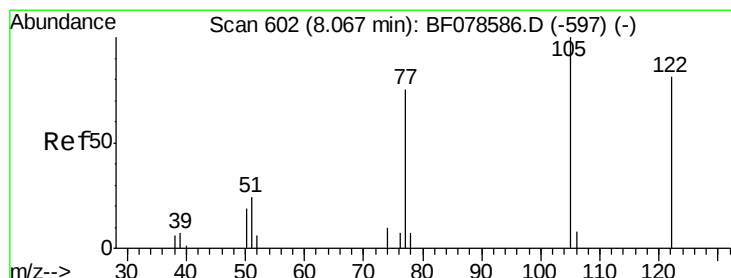
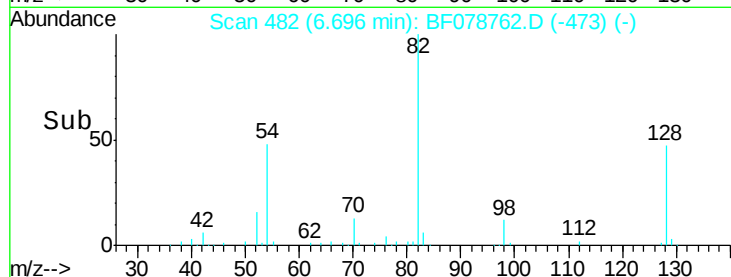
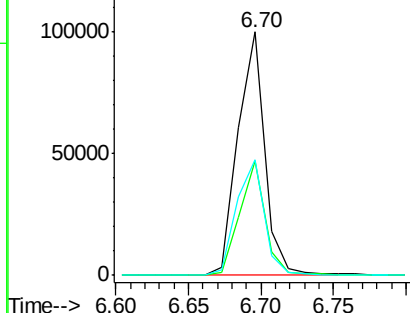
#23
 Nitrobenzene-d5
 Concen: 67.17 ng
 RT: 6.70 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

Instrument :
 BNA_F
 ClientSampleId :
 SOIL1

Tot Ion	82	Resp	128	540
Ion Ratio	100			
Lower		31.8		
Upper		47.8		
54	47.6		41.5	62.3

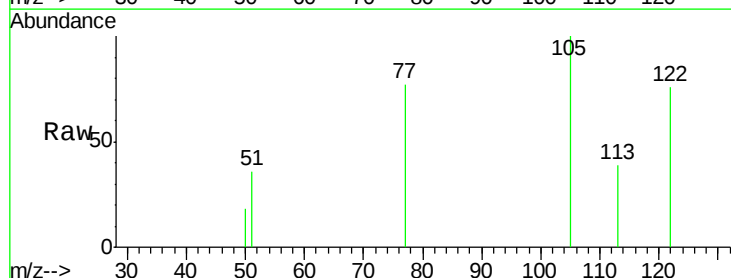


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

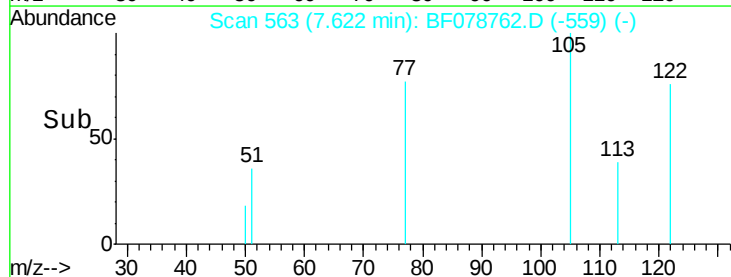
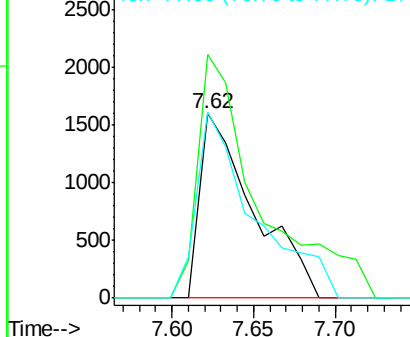


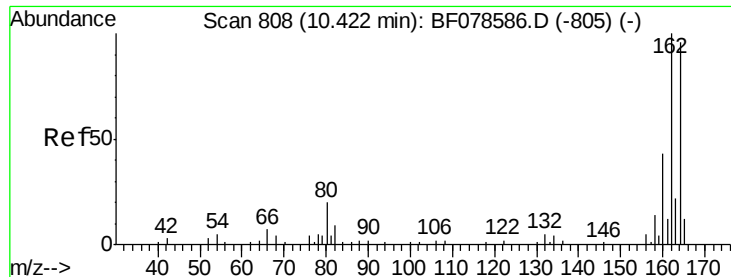
#32
 Benzoic acid
 Concen: 9.65 ng
 RT: 7.62 min Scan# 563
 Delta R.T. -0.06 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

Tgt Ion	122	Resp	3661
Ion Ratio	100		
Lower		96.1	136.1
Upper		104.1	
105	132.1		64.1
77	101.3		



Abundance Ion 122.00 (121.70 to 122.70): BF0
 Ion 105.00 (104.70 to 105.70): BF0
 Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.10 min Scan# 867

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL1

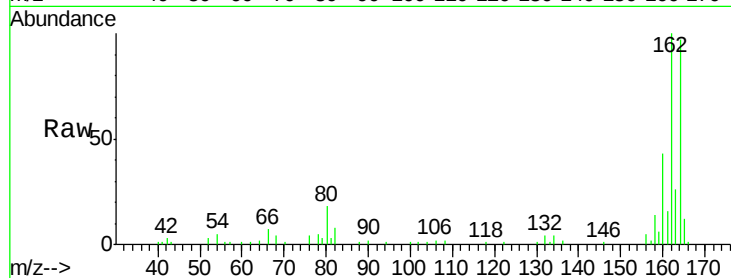
Tot Ion:164 Resp: 58038

Ion Ratio Lower Upper

164 100

162 103.4 82.2 123.2

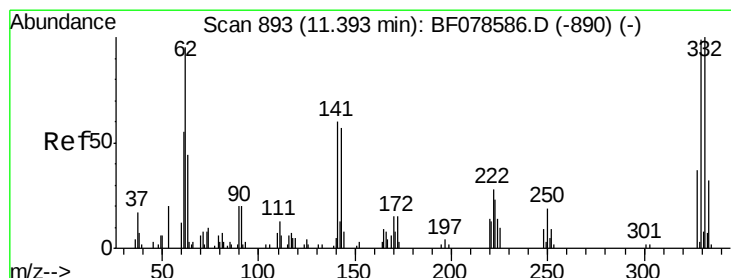
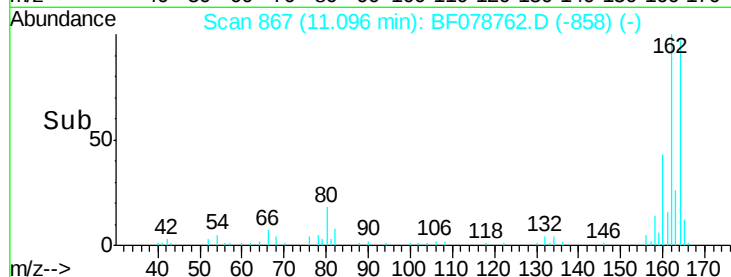
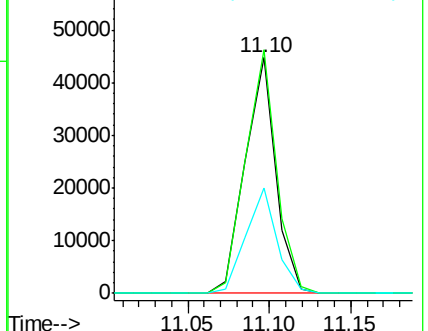
160 44.9 34.7 52.1



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: 112.78 ng

RT: 12.57 min Scan# 996

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

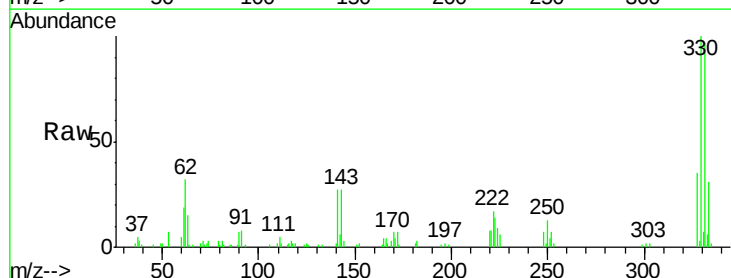
Tgt Ion:330 Resp: 54288

Ion Ratio Lower Upper

330 100

332 95.6 78.6 117.8

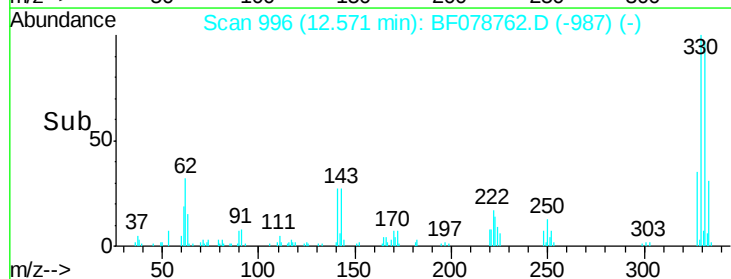
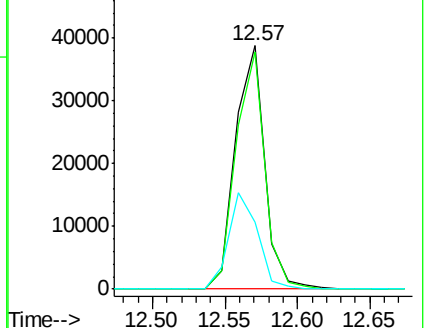
141 39.3 31.2 46.8

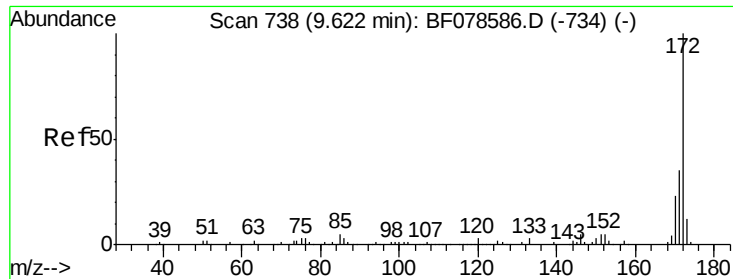


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

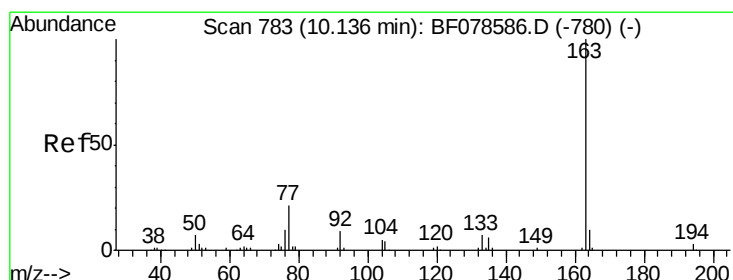
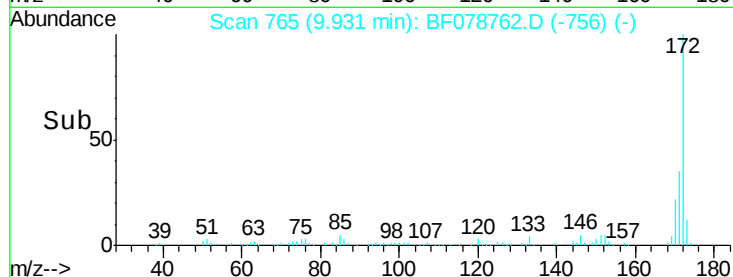
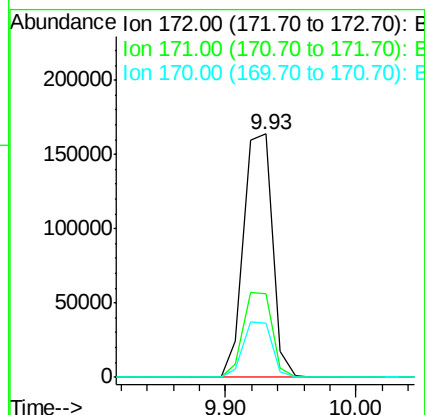
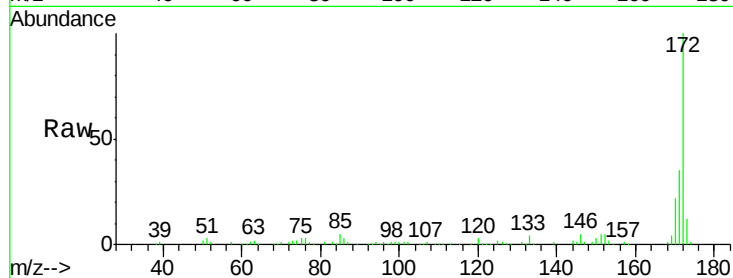




#44
2-Fluorobiphenyl
Concen: 62.37 ng
RT: 9.93 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF078762.D
Acq: 23 Apr 2015 22:11

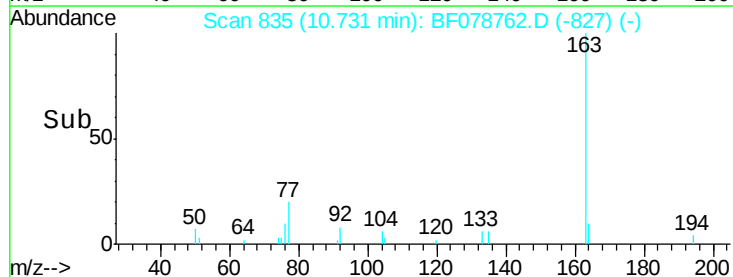
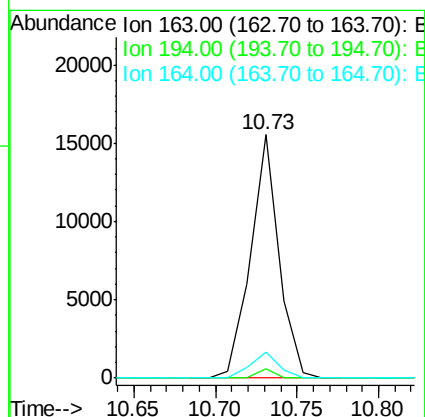
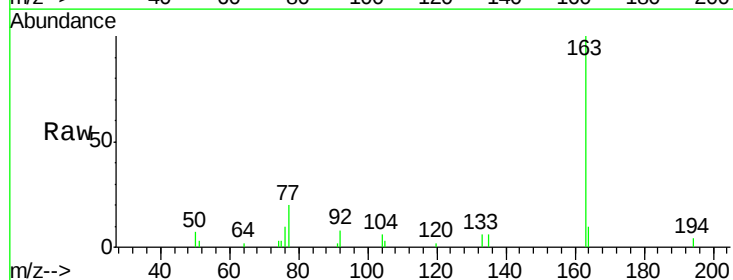
Instrument :
BNA_F
ClientSampleId :
SOIL1

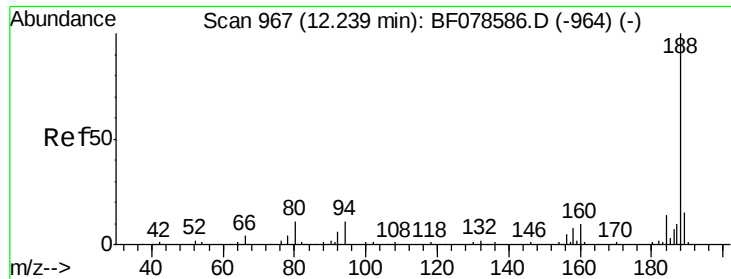
Tot Ion:172 Resp: 253223
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 22.5 18.5 27.7



#49
Dimethylphthalate
Concen: 4.29 ng
RT: 10.73 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF078762.D
Acq: 23 Apr 2015 22:11

Tgt Ion:163 Resp: 18714
Ion Ratio Lower Upper
163 100
194 3.9 2.3 3.5#
164 10.5 8.6 13.0

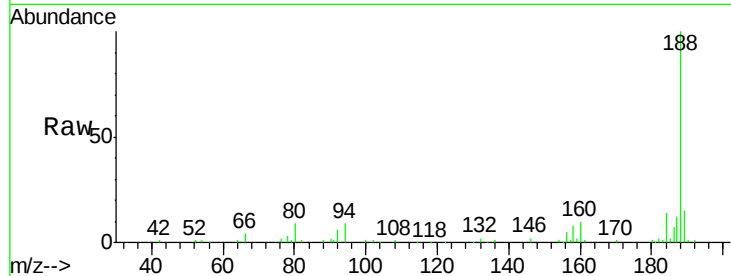




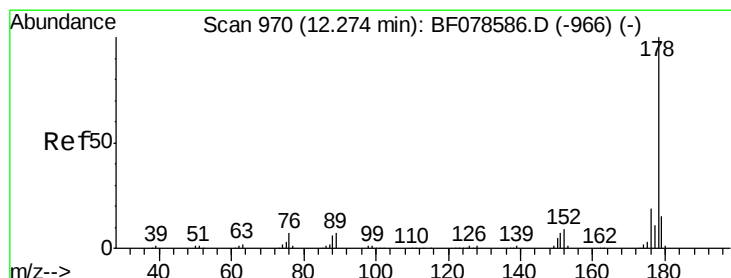
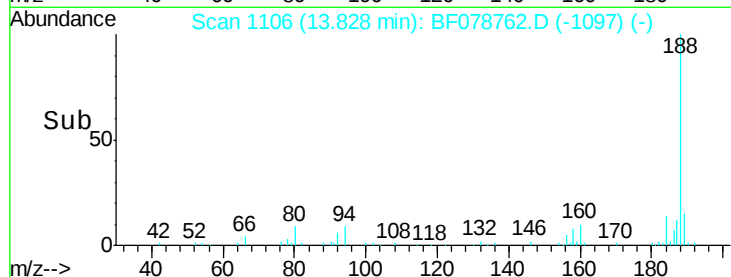
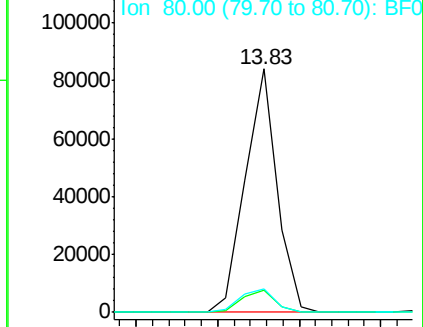
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 13.83 min Scan# 1106
 Delta R.T. -0.00 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

Instrument :
 BNA_F
 ClientSampleId :
 SOIL1

Tot Ion:188 Resp: 113618
 Ion Ratio Lower Upper
 188 100
 94 9.1 9.0 13.4
 80 9.4 9.5 14.3#

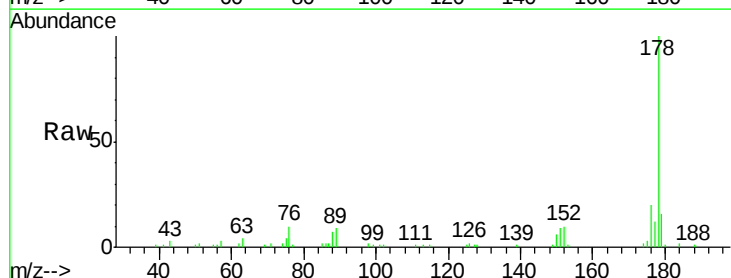


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

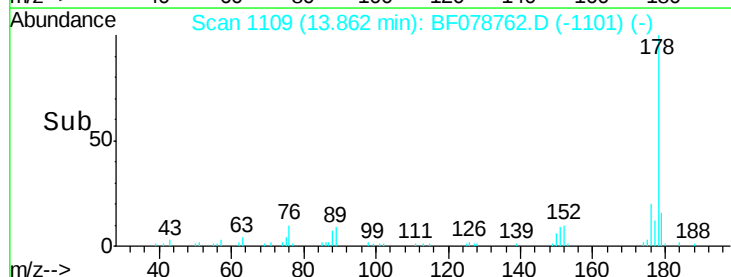
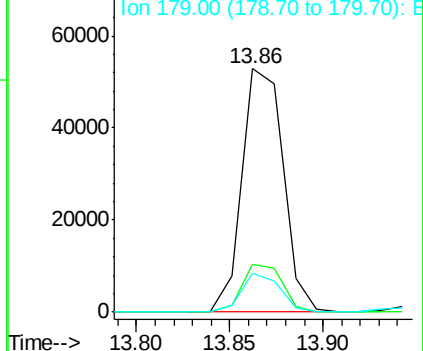


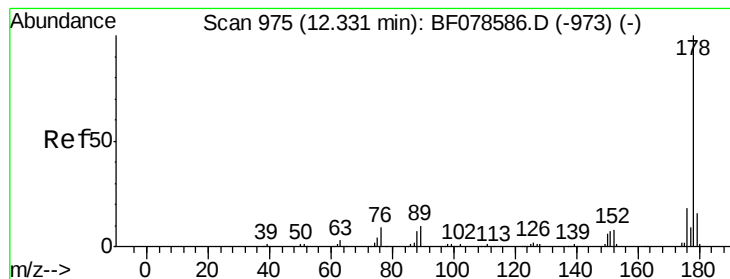
#70
 Phenanthrene
 Concen: 12.34 ng
 RT: 13.86 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

Tgt Ion:178 Resp: 81093
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.0
 179 15.7 12.2 18.2



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





#71

Anthracene

Concen: 2.67 ng

RT: 13.97 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL1

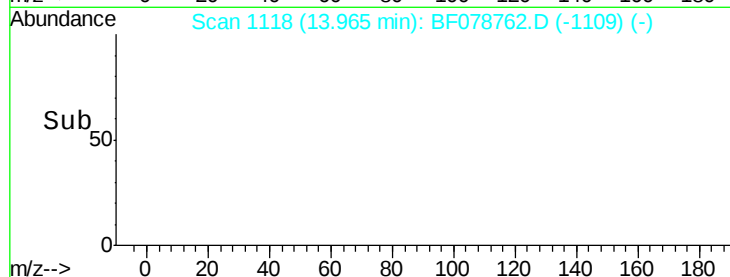
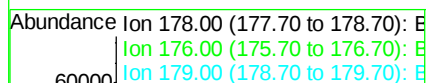
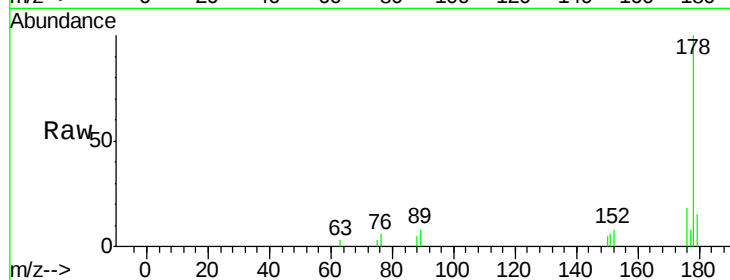
Tot Ion:178 Resp: 17320

Ion Ratio Lower Upper

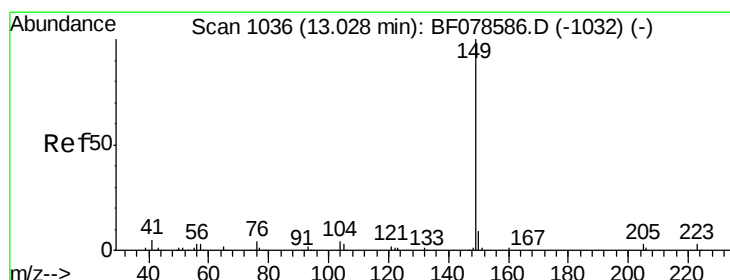
178 100

176 18.2 14.8 22.2

179 14.6 12.4 18.6



Time-->



#73

Di-n-butylphthalate

Concen: 5.43 ng

RT: 14.99 min Scan# 1208

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

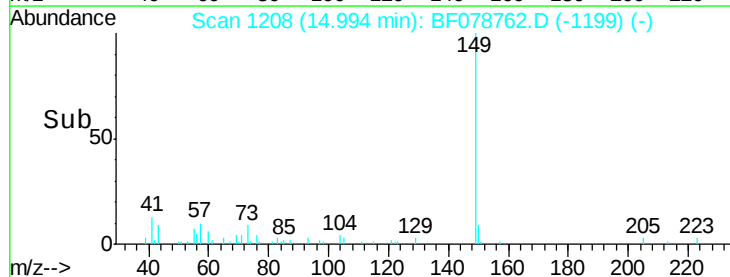
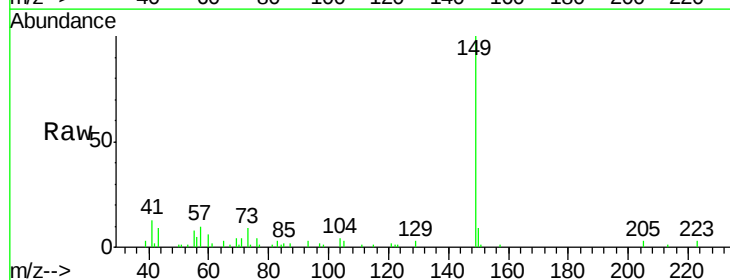
Tgt Ion:149 Resp: 37321

Ion Ratio Lower Upper

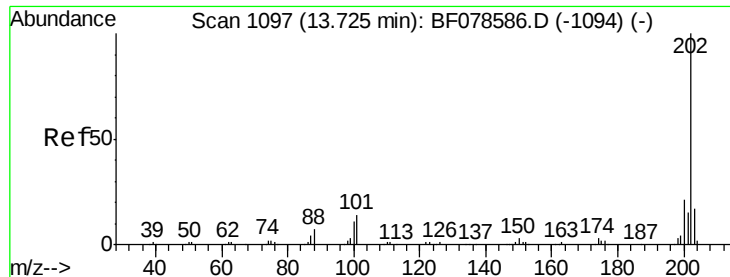
149 100

150 9.1 7.1 10.7

104 4.2 3.8 5.6



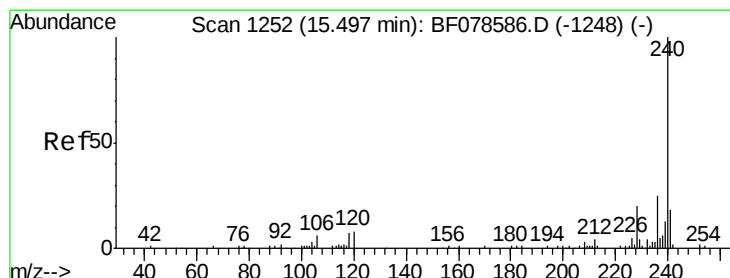
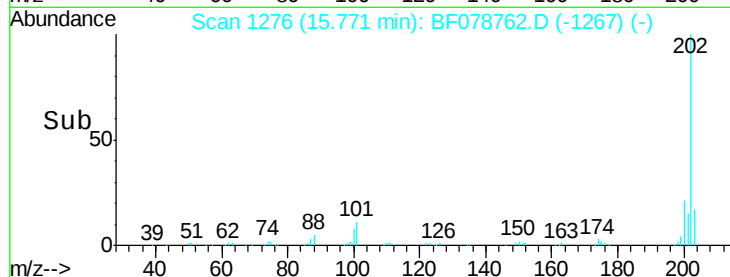
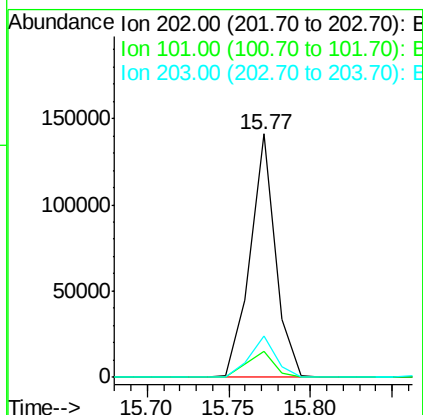
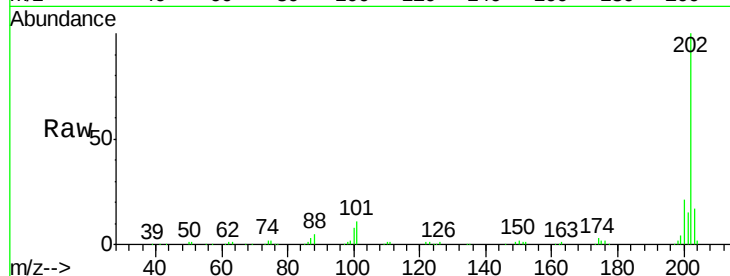
Time-->



#74
 Fluoranthene
 Concen: 21.99 ng
 RT: 15.77 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

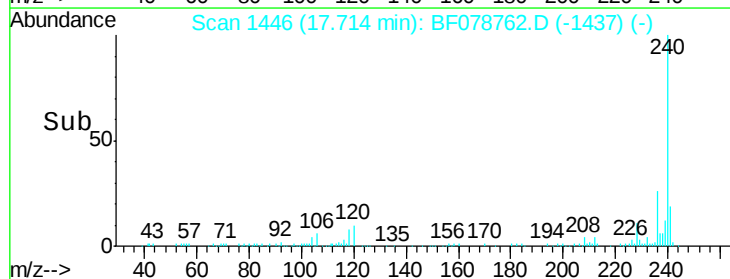
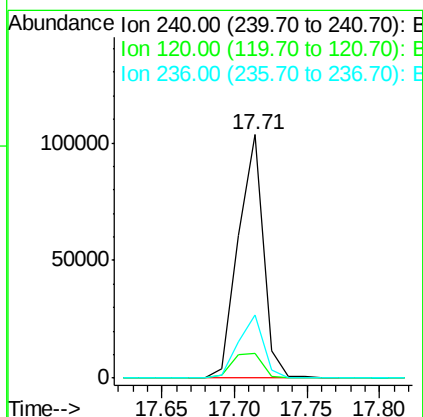
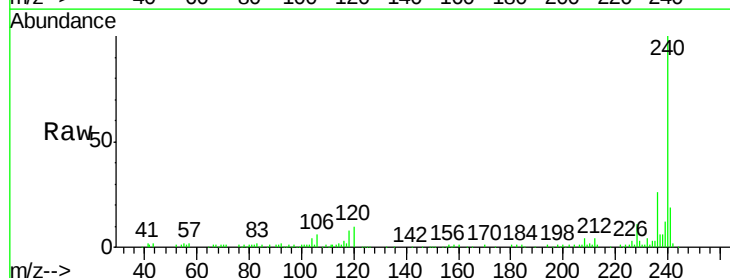
Instrument :
 BNA_F
 ClientSampleId :
 SOIL1

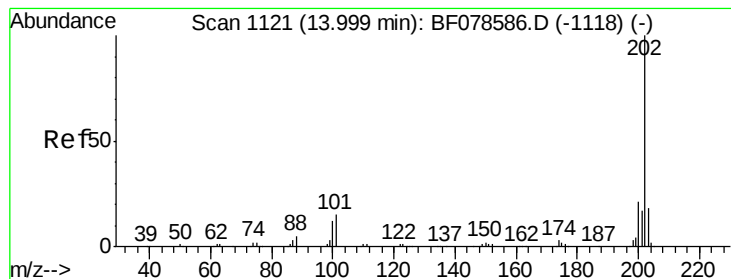
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	35.2
203	17.2	0.0	38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.71 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.1	10.7
236	26.2	21.4	32.2





#77

Pvrene

Concen: 18.30 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL1

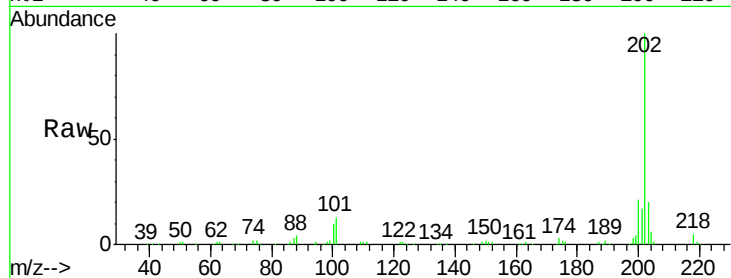
Tot Ion:202 Resp: 142956

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

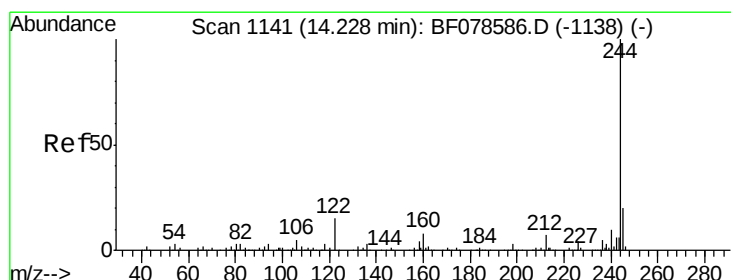
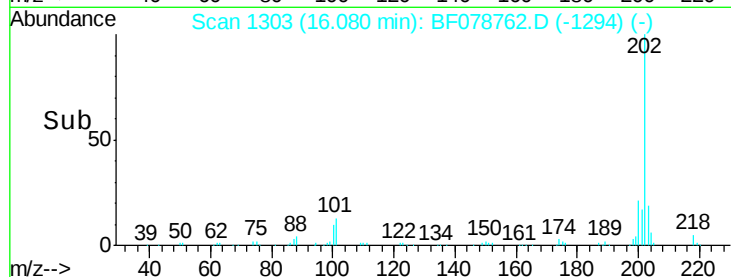
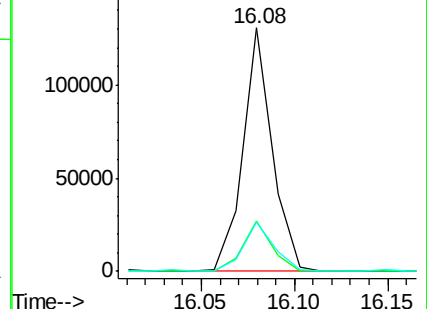
203 20.2 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 51.26 ng

RT: 16.38 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

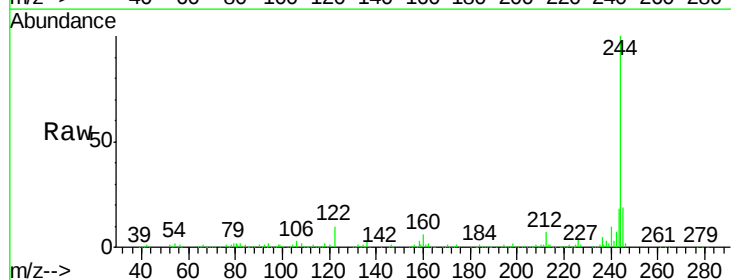
Tgt Ion:244 Resp: 282330

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

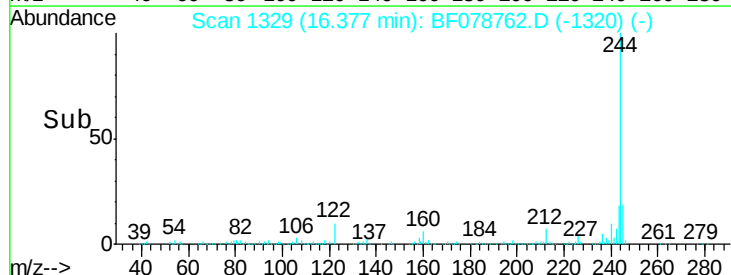
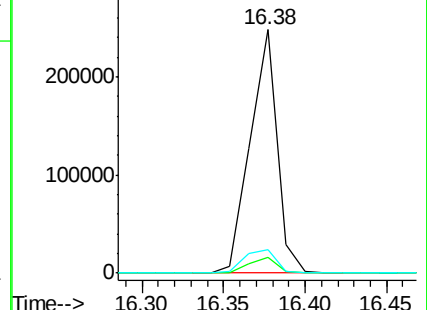
122 9.7 7.1 10.7

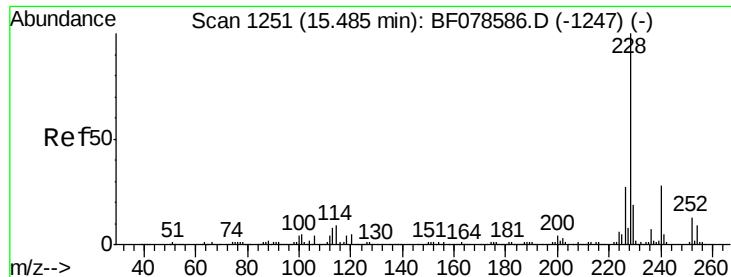


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.92 ng

RT: 17.70 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL1

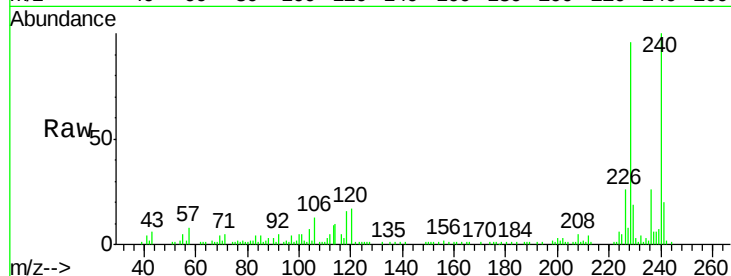
Tot Ion:228 Resp: 88245

Ion Ratio Lower Upper

228 100

226 26.9 21.3 31.9

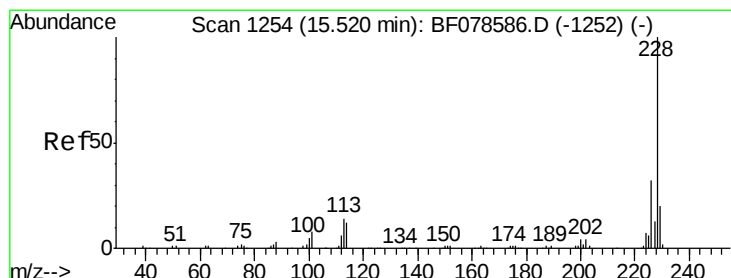
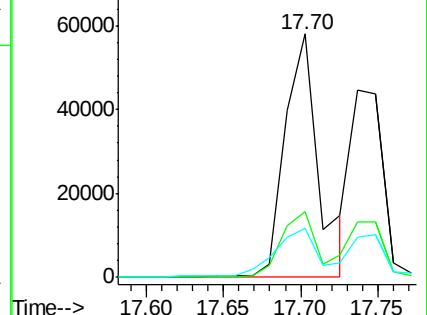
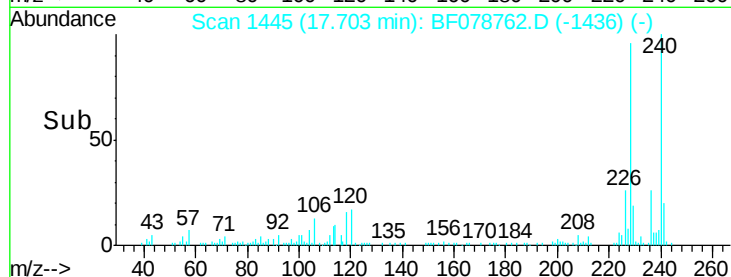
229 20.3 15.4 23.2



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



#82

Chrysene

Concen: 9.05 ng

RT: 17.74 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

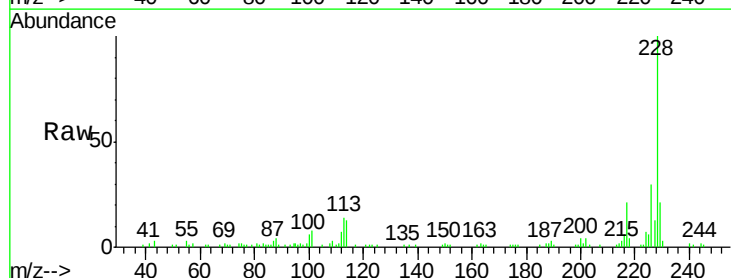
Tgt Ion:228 Resp: 62996

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.4

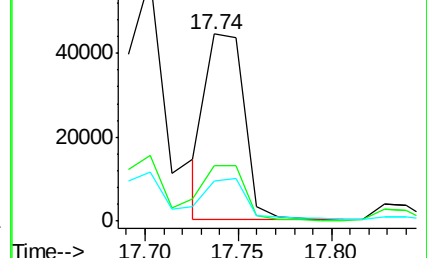
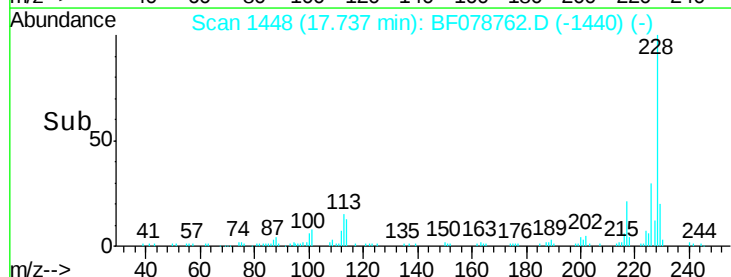
229 21.3 15.8 23.8

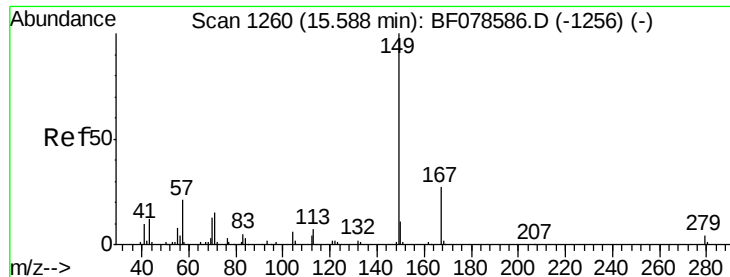


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 23.71 ng

RT: 17.85 min Scan# 1458

Delta R.T. -0.00 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

SOIL1

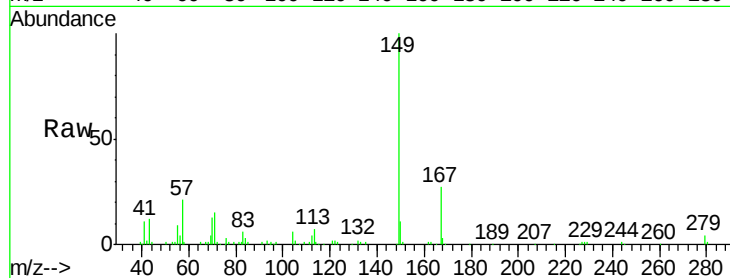
Tot Ion:149 Resp: 110735

Ion Ratio Lower Upper

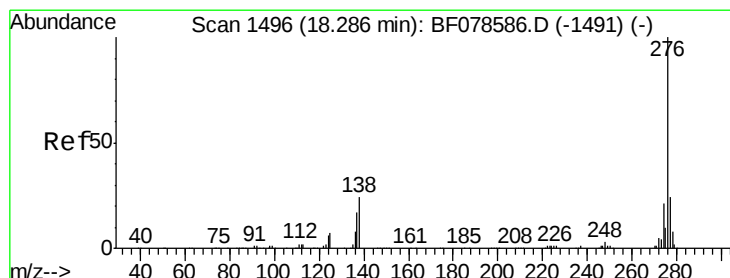
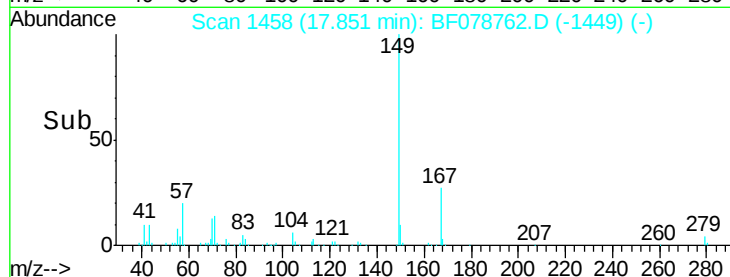
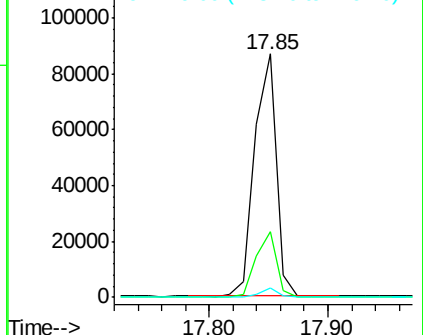
149 100

167 27.1 22.2 33.2

279 3.8 3.2 4.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.10 ng

RT: 20.56 min Scan# 1695

Delta R.T. -0.17 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

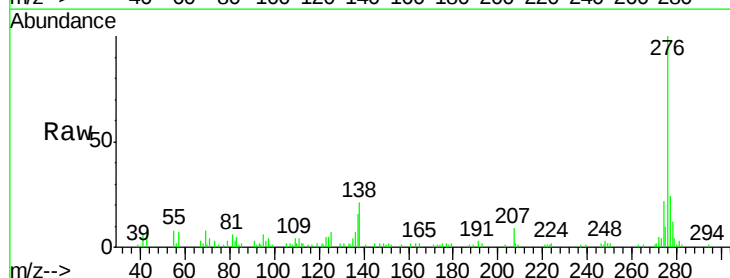
Tgt Ion:276 Resp: 48186

Ion Ratio Lower Upper

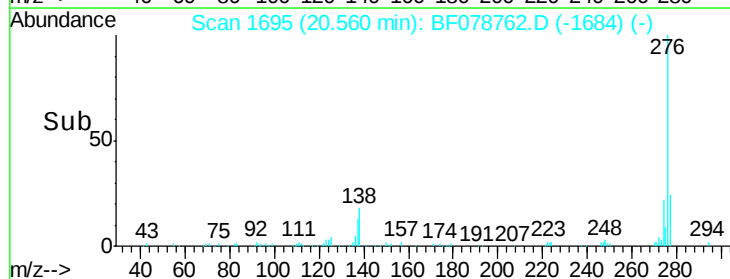
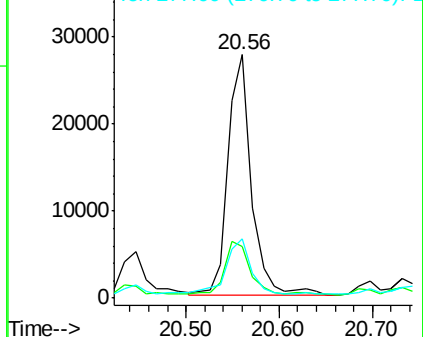
276 100

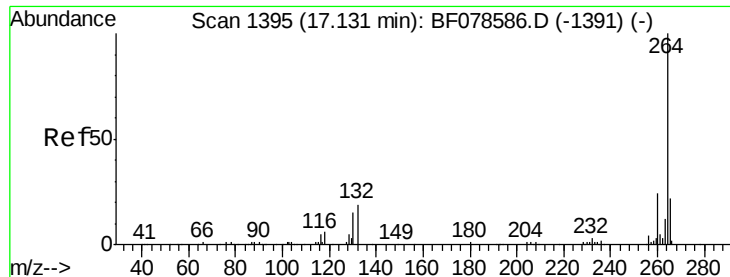
138 23.0 16.9 25.3

277 23.5 15.8 23.6



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

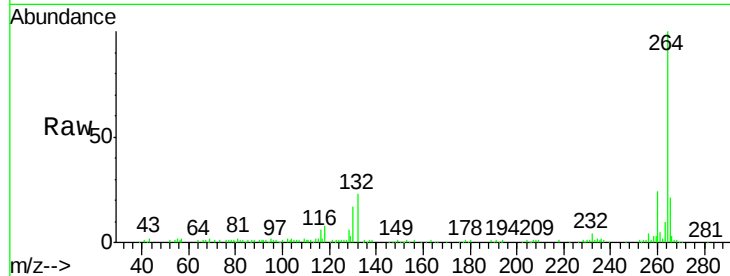




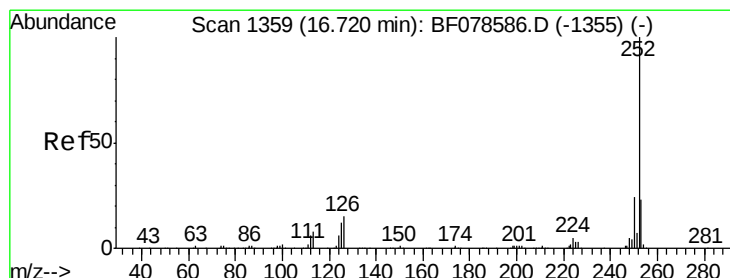
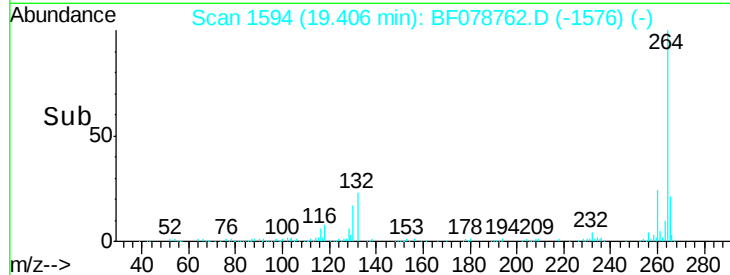
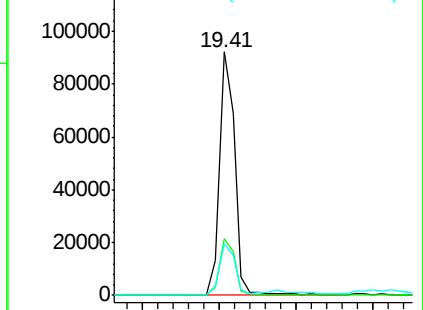
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.41 min Scan# 1594
Delta R.T. -0.09 min
Lab File: BF078762.D
Acq: 23 Apr 2015 22:11

Instrument :
BNA_F
ClientSampleId :
SOIL1

Tot Ion:264 Resp: 128799
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 21.0 17.0 25.6

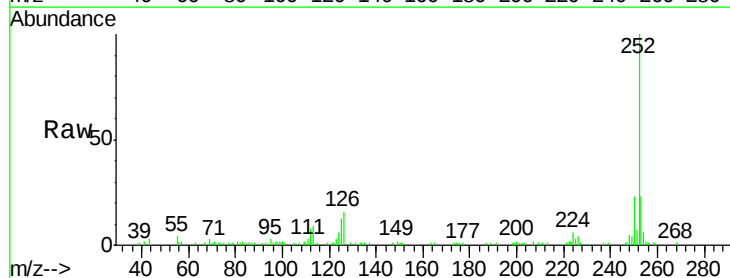


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

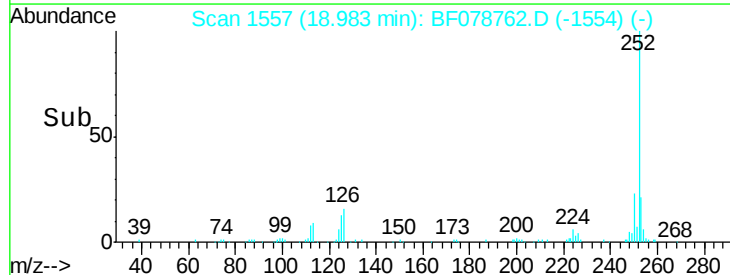
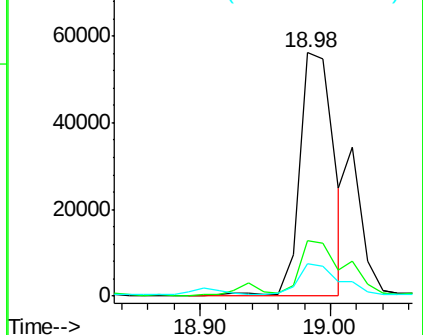


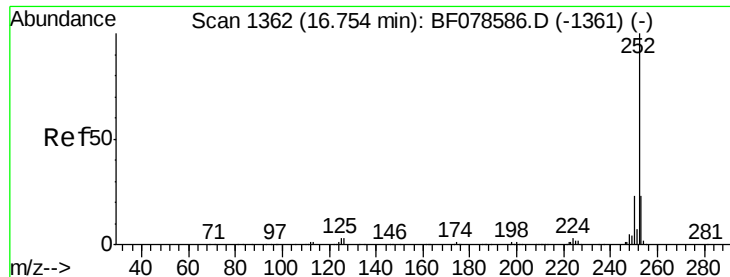
#87
Benzo(b)fluoranthene
Concen: 12.73 ng
RT: 18.98 min Scan# 1557
Delta R.T. -0.07 min
Lab File: BF078762.D
Acq: 23 Apr 2015 22:11

Tgt Ion:252 Resp: 101339
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 13.2 7.0 10.4#



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





#88

Benzo(k)fluoranthene

Concen: 4.29 ng

RT: 19.02 min Scan# 1560

Delta R.T. -0.07 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

Instrument :

BNA_F

ClientSampled :

SOIL1

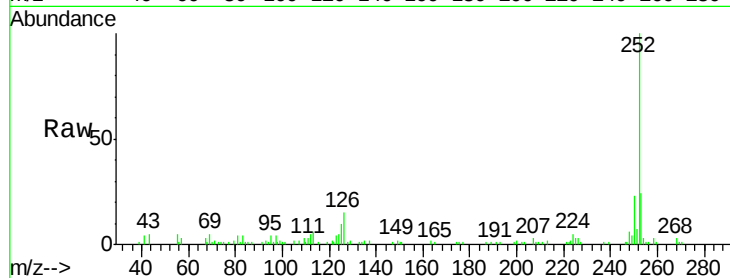
Tot Ion:252 Resp: 30322

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

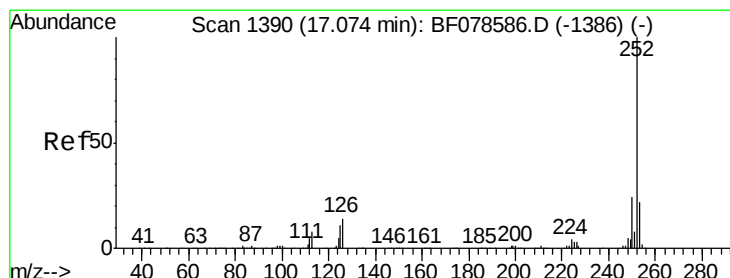
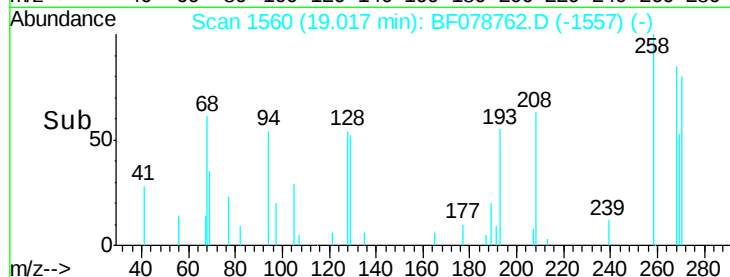
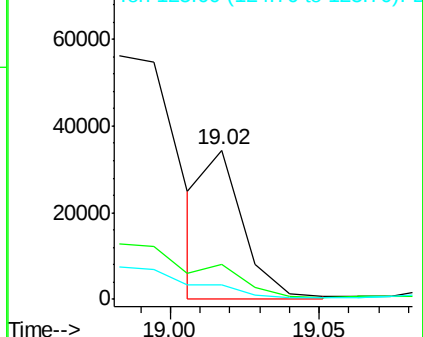
125 10.0 11.6 17.4#



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



#89

Benzo(a)pyrene

Concen: 9.75 ng

RT: 19.35 min Scan# 1589

Delta R.T. -0.08 min

Lab File: BF078762.D

Acq: 23 Apr 2015 22:11

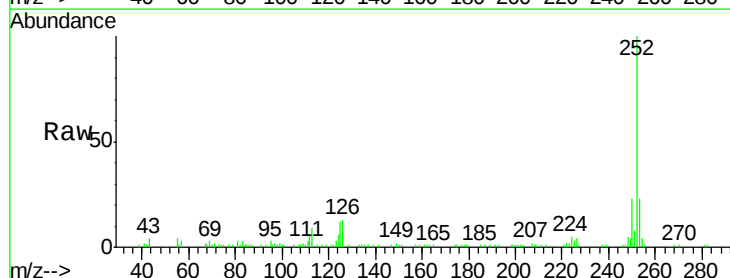
Tgt Ion:252 Resp: 67727

Ion Ratio Lower Upper

252 100

253 23.1 16.8 25.2

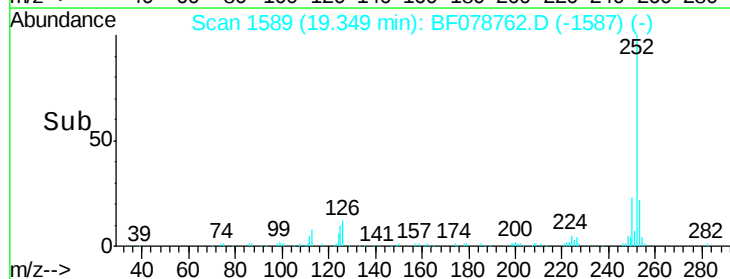
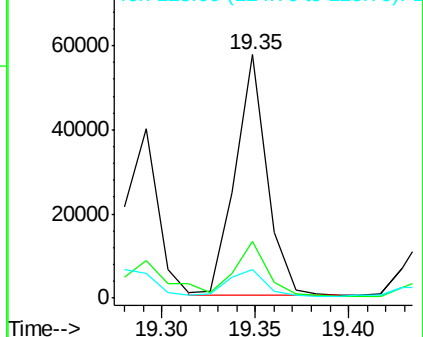
125 11.8 7.4 11.0#

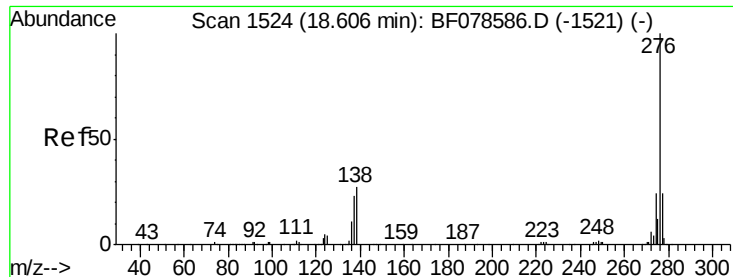


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

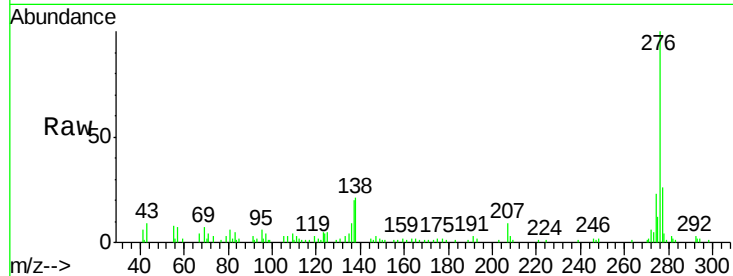




#91
 Benzo(a,h,i)perylene
 Concen: 6.86 ng m
 RT: 20.87 min Scan# 1722
 Delta R.T. -0.17 min
 Lab File: BF078762.D
 Acq: 23 Apr 2015 22:11

Instrument :
 BNA_F
 ClientSampleId :
 SOIL1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.4
138	21.4	19.9	29.9



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

