

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072315\
 Data File : BF080615.D
 Acq On : 24 Jul 2015 3:00
 Operator : TP/UM
 Sample : G3070-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Quant Time: Jul 24 04:46:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 24 01:01:51 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	37329	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	141559	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	61778	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	110787	20.00	ng	0.00
75) Chrysene-d12	14.24	240	107259	20.00	ng	0.06
86) Perylene-d12	15.86	264	152017	20.00	ng	0.11

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	308834	142.90	ng	0.01
7) Phenol-d6	6.56	99	414509	156.89	ng	0.00
23) Nitrobenzene-d5	7.50	82	261244	104.57	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	67835	138.58	ng	0.01
44) 2-Fluorobiphenyl	9.31	172	401561	94.31	ng	0.00
78) Terphenyl-d14	13.09	244	340449	66.42	ng	0.02

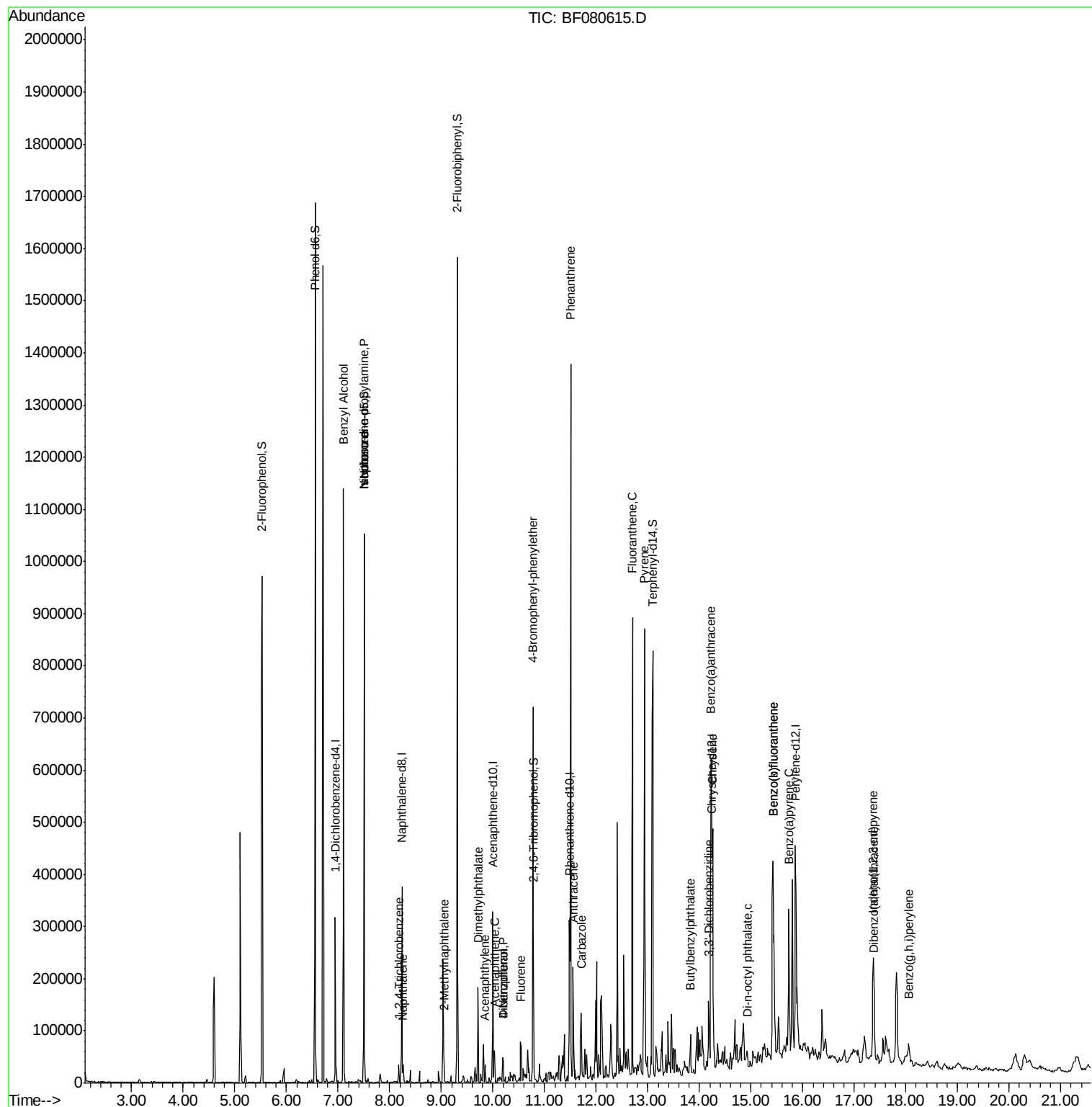
Target Compounds						Qvalue
15) Benzyl Alcohol	7.10	79	5483	2.35	ng	# 49
19) n-Nitroso-di-n-propylamine	7.50	70	36245	20.25	ng	# 78
25) Isophorone	7.50	82	245778	53.12	ng	# 66
30) 1,2,4-Trichlorobenzene	8.18	180	7285	3.25	ng	98
31) Naphthalene	8.26	128	14990	2.12	ng	98
37) 2-Methylnaphthalene	9.05	142	18559	4.68	ng	93
48) Acenaphthylene	9.85	152	15883	2.64	ng	# 93
49) Dimethylphthalate	9.71	163	86009	18.92	ng	# 98
51) Acenaphthene	10.03	154	19584	5.41	ng	95
54) Dibenzofuran	10.20	168	19144	3.66	ng	99
55) 4-Nitrophenol	10.20	139	7896	11.82	ng	# 1
57) Fluorene	10.54	166	26329	6.27	ng	96
66) 4-Bromophenyl-phenylether	10.77	248	5127	4.55	ng	# 1
70) Phenanthrene	11.50	178	463900	74.18	ng	99
71) Anthracene	11.55	178	86478	14.77	ng	99
72) Carbazole	11.71	167	24154	4.77	ng	95
74) Fluoranthene	12.70	202	393682	70.35	ng	95
77) Pyrene	12.93	202	389306	54.10	ng	98
79) Butylbenzylphthalate	13.83	149	426	5.46	ng	# 82
80) Benzo(a)anthracene	14.23	228	185790	30.72	ng	97
81) 3,3'-Dichlorobenzidine	14.18	252	25867	14.96	ng	# 96
82) Chrysene	14.26	228	150279	24.98	ng	96
84) Di-n-octyl phthalate	14.93	149	1023	6.11	ng	# 1
85) Indeno(1,2,3-cd)pyrene	17.37	276	142823	31.38	ng	# 90
87) Benzo(b)fluoranthene	15.43	252	320178	34.63	ng	# 97
88) Benzo(k)fluoranthene	15.43	252	320178	34.80	ng	99
89) Benzo(a)pyrene	15.73	252	134297	16.37	ng	95
90) Dibenzo(a,h)anthracene	17.38	278	30510	3.94	ng	99
91) Benzo(g,h,i)perylene	18.05	276	26292	3.32	ng	94

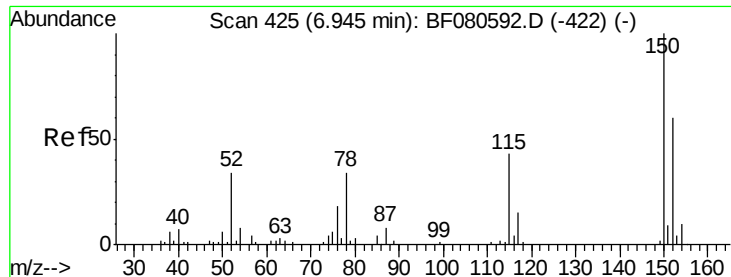
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 24 01:01:51 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.00 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

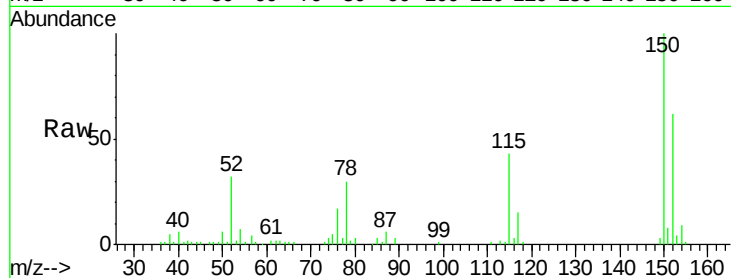
Tgt Ion:152 Resp: 37329

Ion Ratio Lower Upper

152 100

150 161.5 128.7 193.1

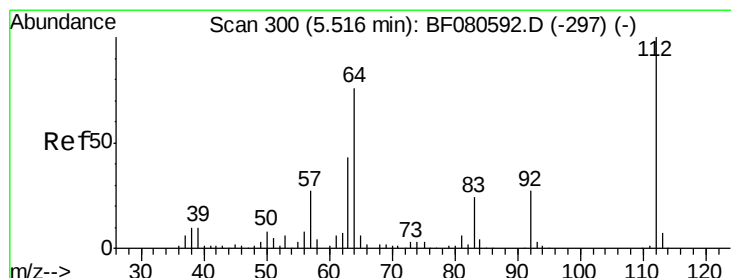
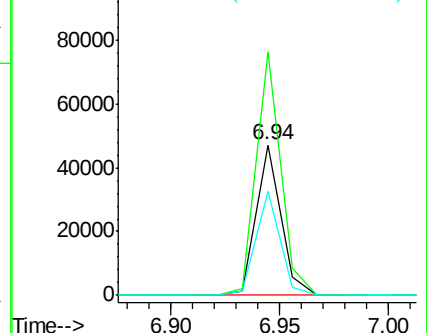
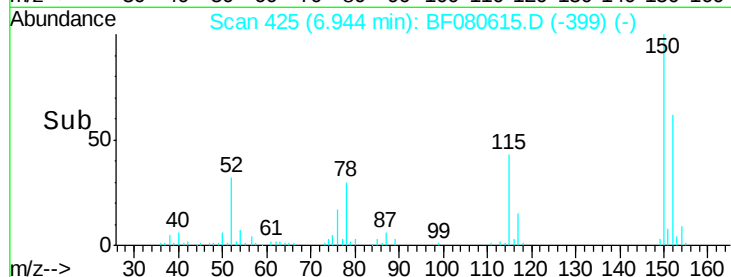
115 69.0 56.8 85.2



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: 142.90 ng

RT: 5.53 min Scan# 301

Delta R.T. 0.01 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

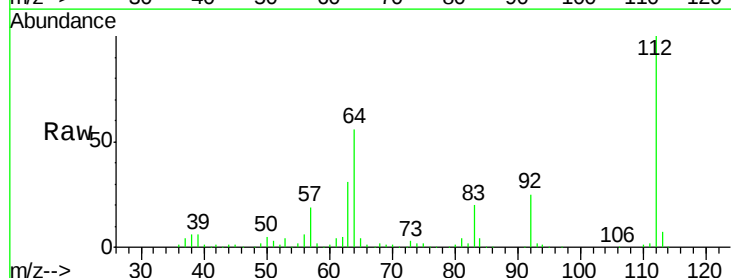
Tgt Ion:112 Resp: 308834

Ion Ratio Lower Upper

112 100

64 55.6 60.2 90.2#

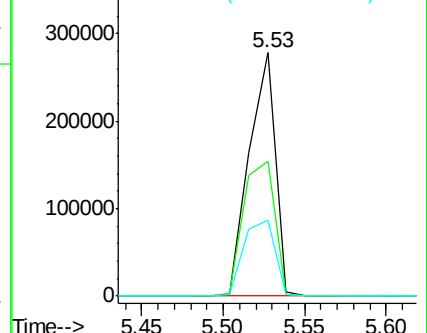
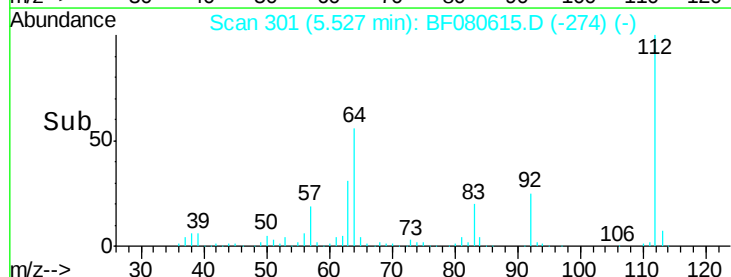
63 31.2 34.8 52.2#

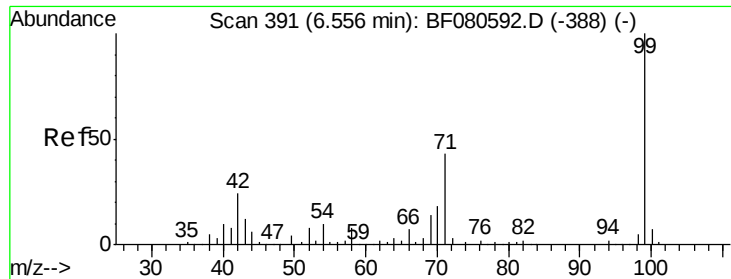


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 156.89 ng

RT: 6.56 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

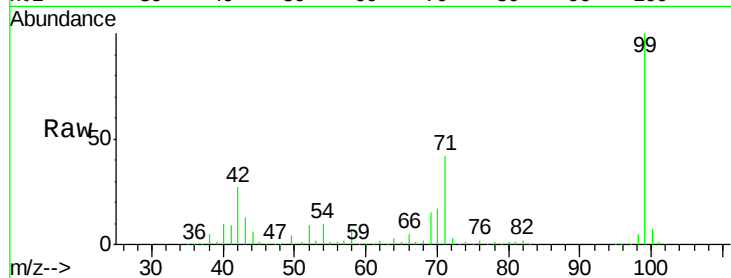
Tgt Ion: 99 Resp: 414509

Ion Ratio Lower Upper

99 100

42 26.5 17.4 26.2#

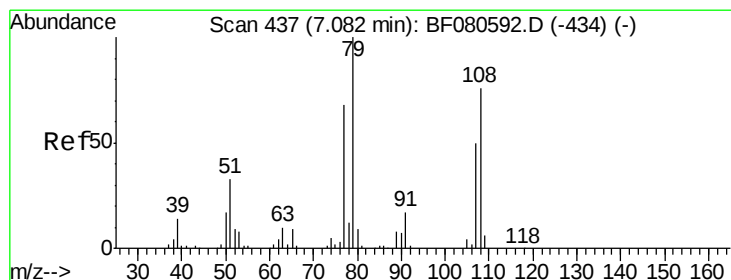
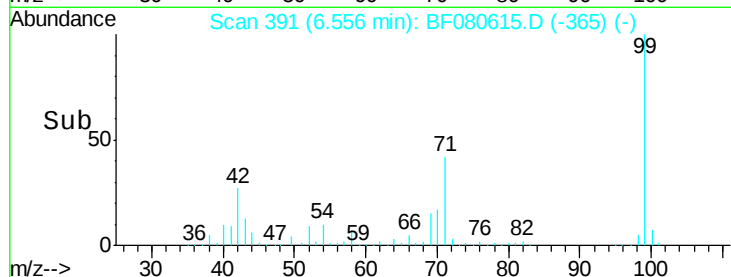
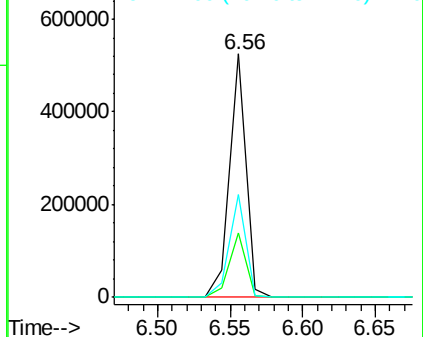
71 42.2 29.0 43.6



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: 2.35 ng

RT: 7.10 min Scan# 439

Delta R.T. 0.02 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

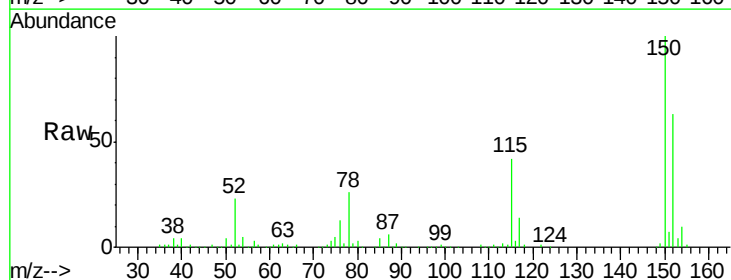
Tgt Ion: 79 Resp: 5483

Ion Ratio Lower Upper

79 100

108 32.9 61.5 92.3#

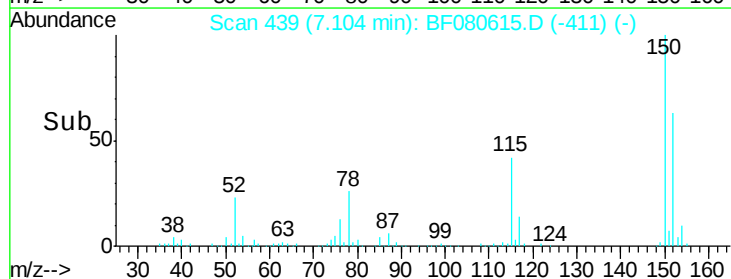
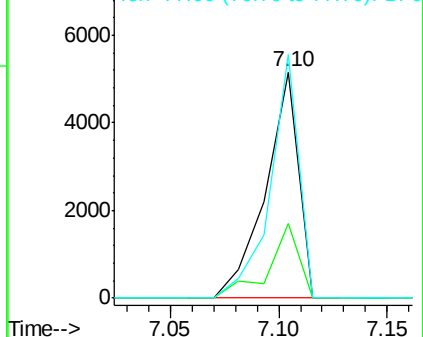
77 107.8 53.6 80.4#

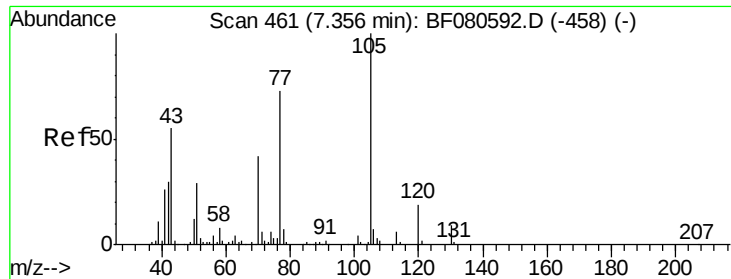


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

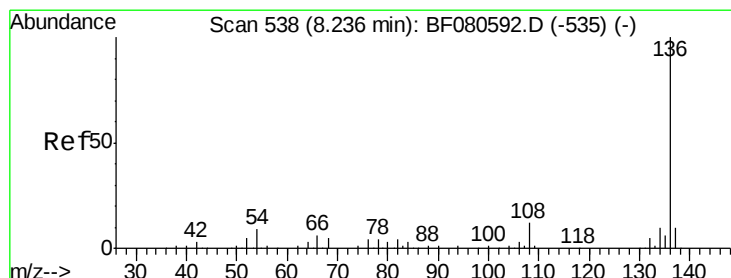
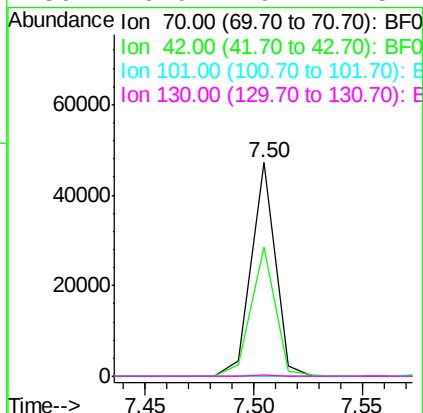
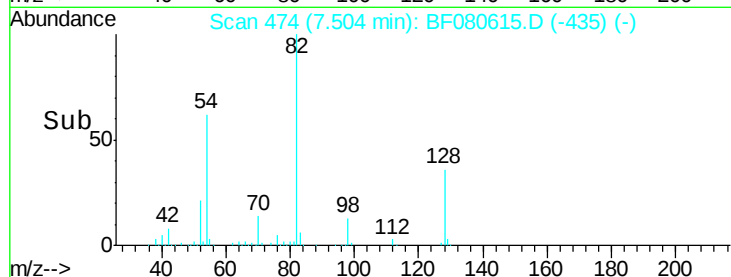
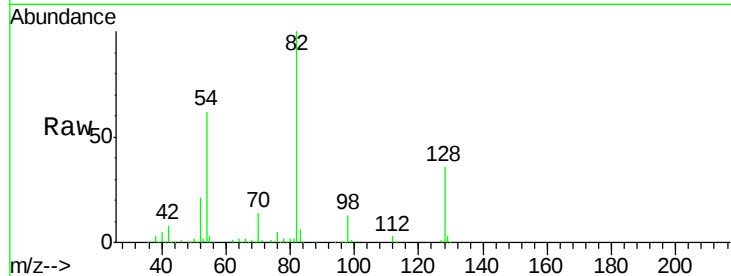




#19
n-Nitroso-di-n-propylamine
Concen: 20.25 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.15 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

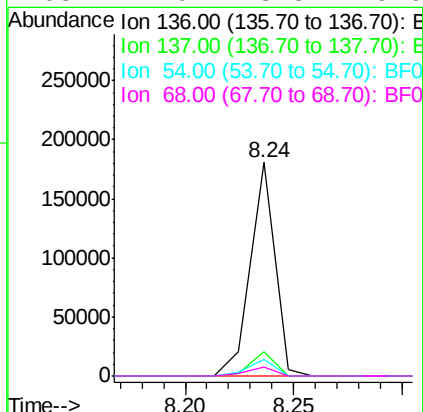
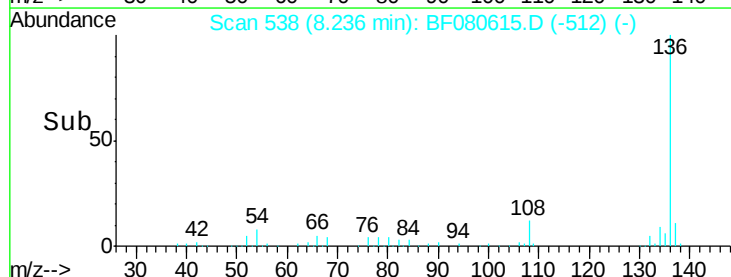
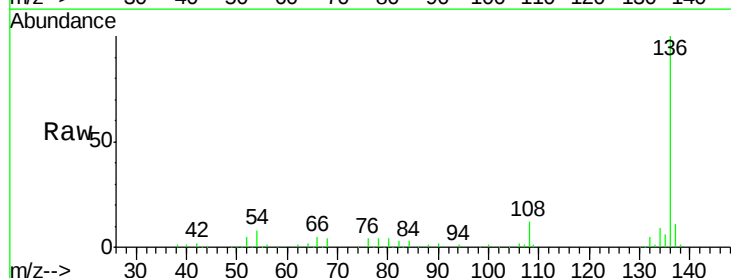
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ClientSampleId :
SOIL-2

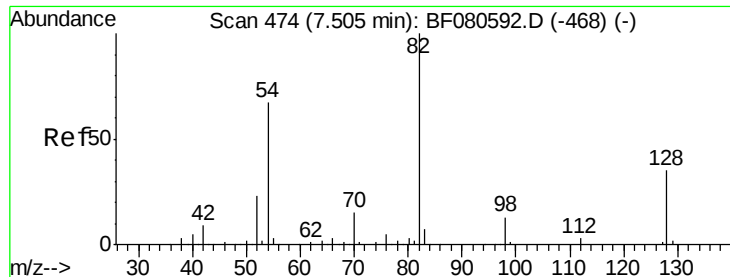
Tgt Ion: 70 Resp: 36245
Ion Ratio Lower Upper
70 100
42 60.4 56.6 85.0
101 0.0 9.7 14.5#
130 0.9 19.1 28.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.24 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion: 136 Resp: 141559
Ion Ratio Lower Upper
136 100
137 11.3 7.8 11.8
54 7.7 7.2 10.8
68 4.0 3.8 5.6

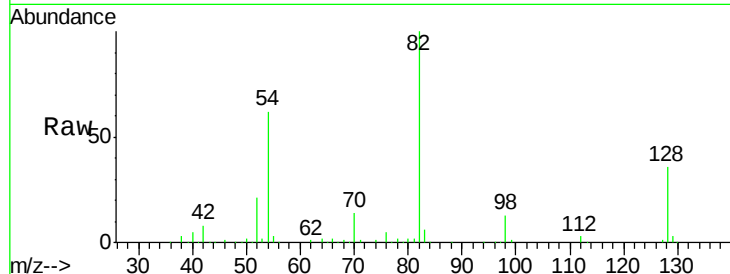




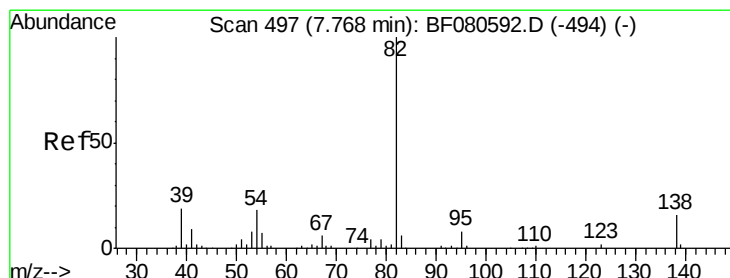
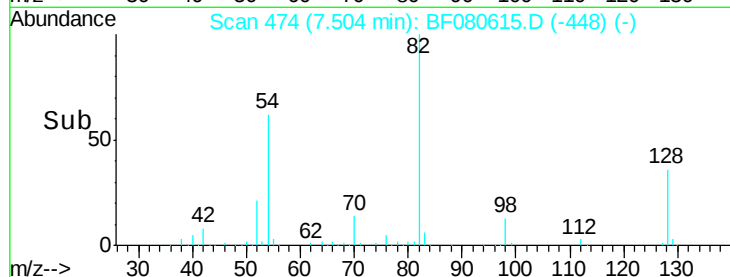
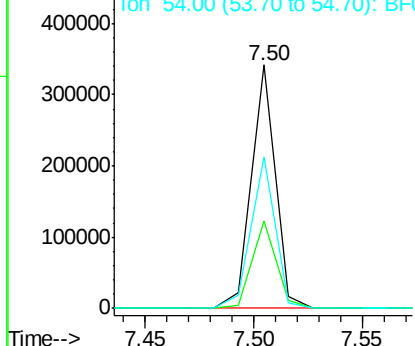
#23
 Nitrobenzene-d5
 Concen: 104.57 ng
 RT: 7.50 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Instrument :
 BNA_F
 ClientSampled :
 SOIL-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.1	28.9	43.3
54	62.4	54.5	81.7

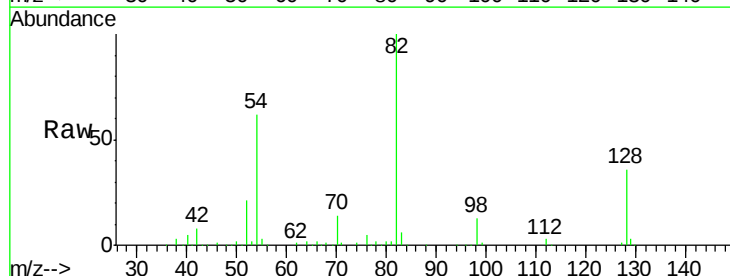


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

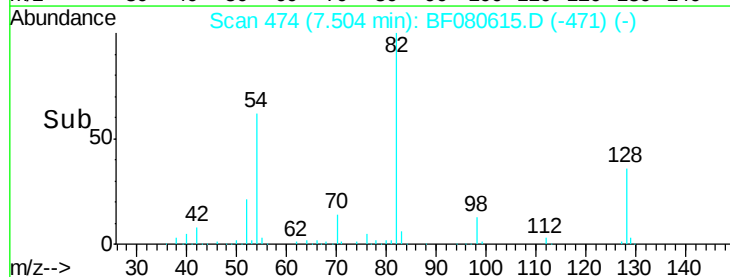
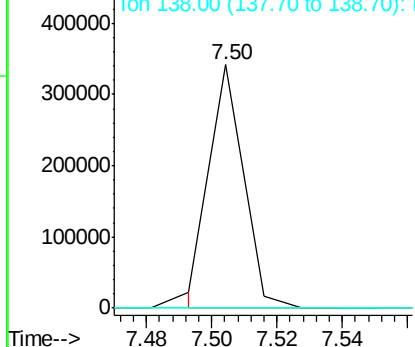


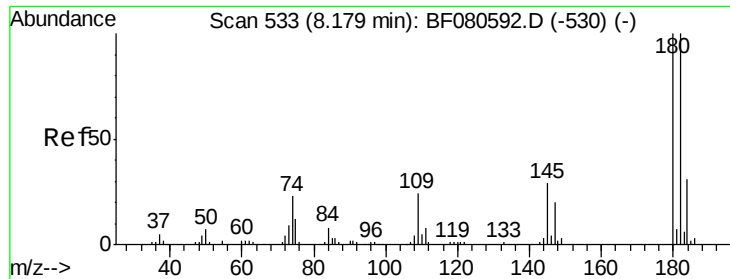
#25
 Isophorone
 Concen: 53.12 ng
 RT: 7.50 min Scan# 474
 Delta R.T. -0.26 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.9	8.9#
138	0.0	13.4	20.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0

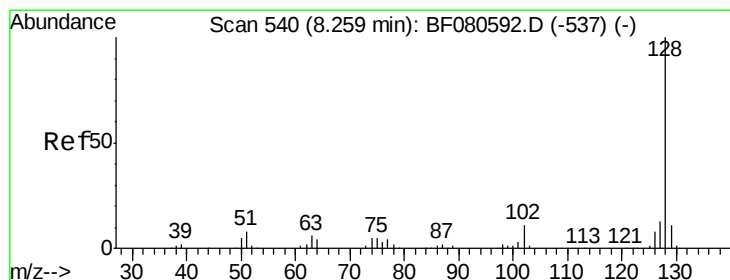
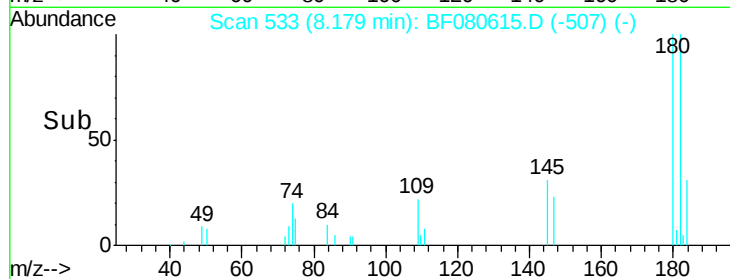
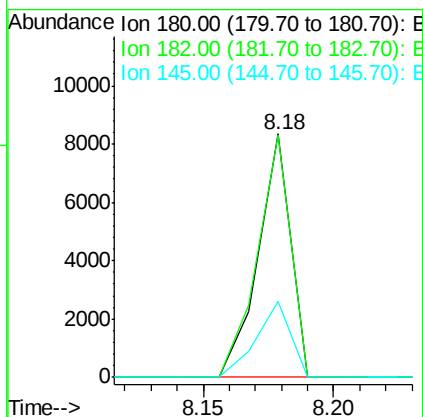
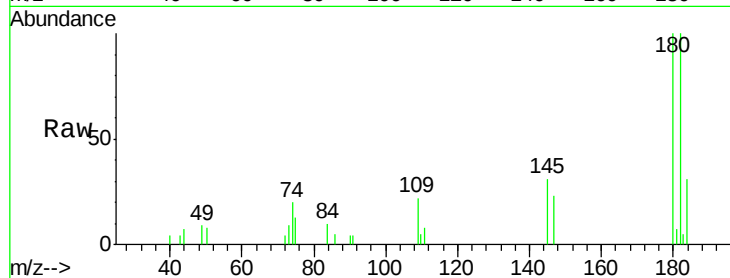




#30
 1,2,4-Trichlorobenzene
 Concen: 3.25 ng
 RT: 8.18 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

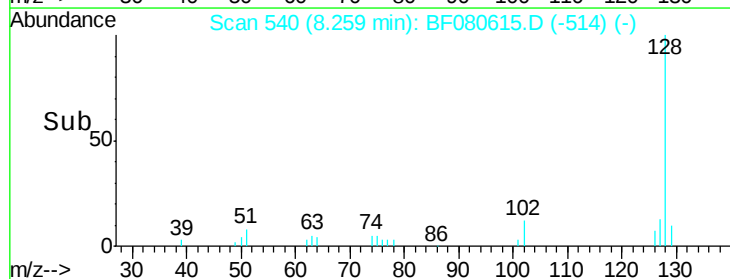
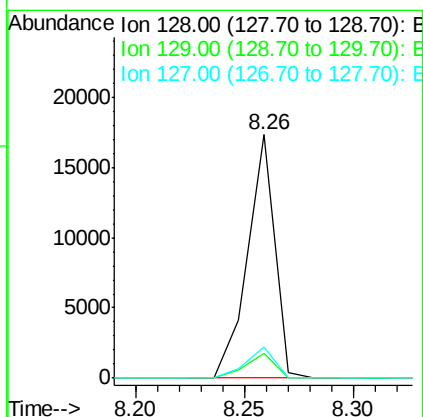
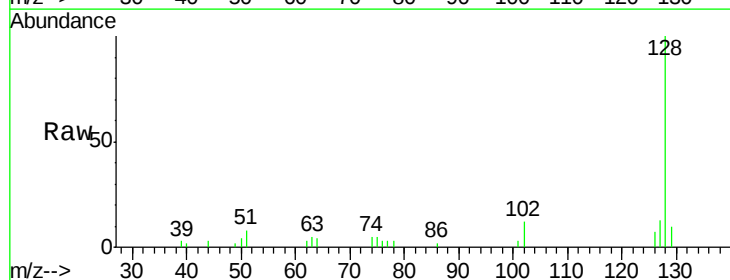
Instrument :
 BNA_F
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 SOIL-2

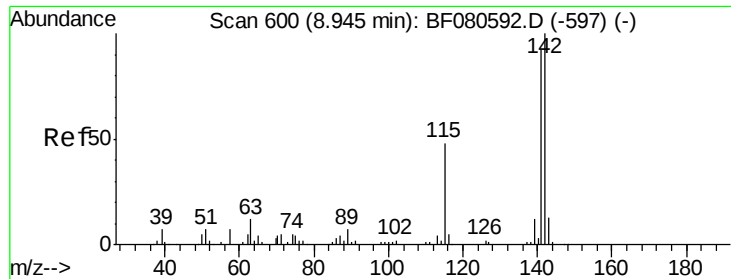
Tgt Ion:180 Resp: 7285
 Ion Ratio Lower Upper
 180 100
 182 99.6 79.0 118.4
 145 31.4 22.0 33.0



#31
 Naphthalene
 Concen: 2.12 ng
 RT: 8.26 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Tgt Ion:128 Resp: 14990
 Ion Ratio Lower Upper
 128 100
 129 10.3 8.6 13.0
 127 12.6 10.7 16.1

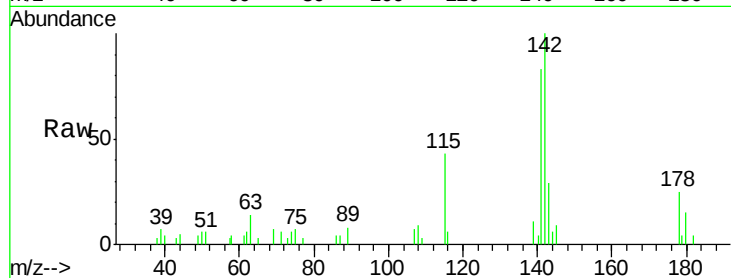




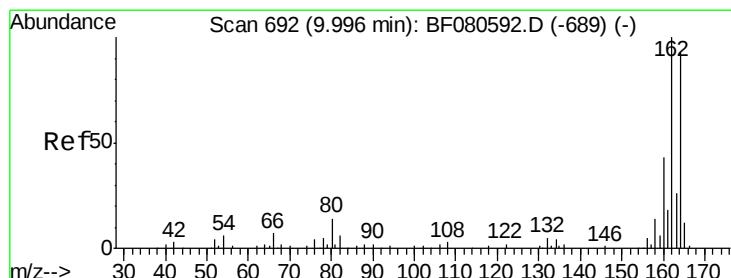
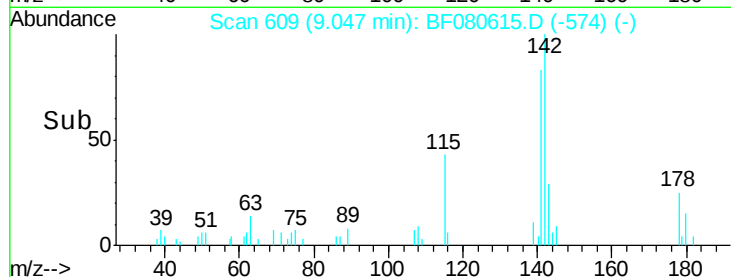
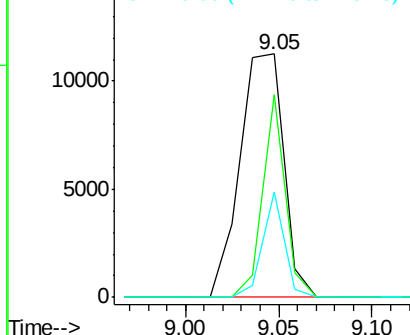
#37
 2-Methylnaphthalene
 Concen: 4.68 ng
 RT: 9.05 min Scan# 609
 Delta R.T. 0.10 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Tgt Ion:142 Resp: 18559
 Ion Ratio Lower Upper
 142 100
 141 83.5 72.6 109.0
 115 43.3 38.2 57.2

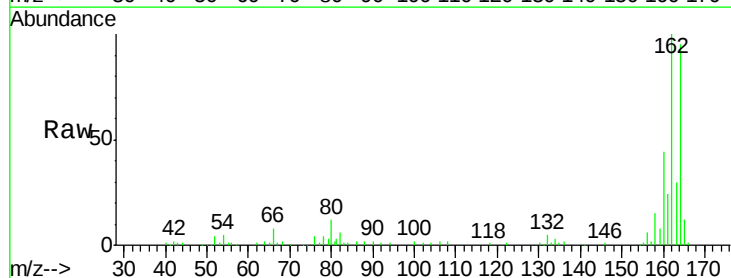


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

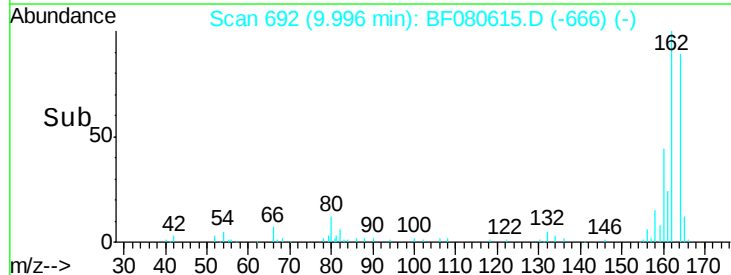
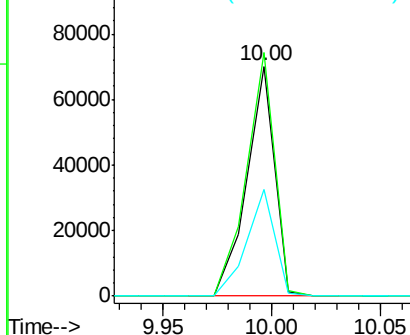


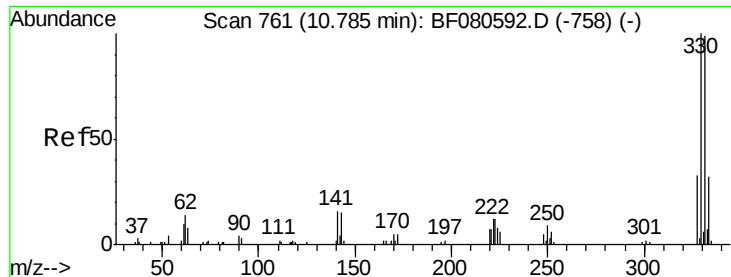
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.00 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Tgt Ion:164 Resp: 61778
 Ion Ratio Lower Upper
 164 100
 162 105.8 82.2 123.4
 160 46.6 36.1 54.1



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

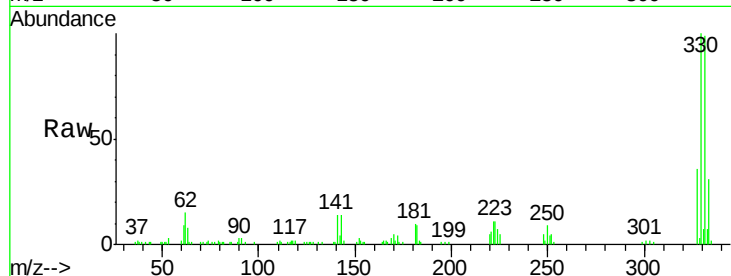




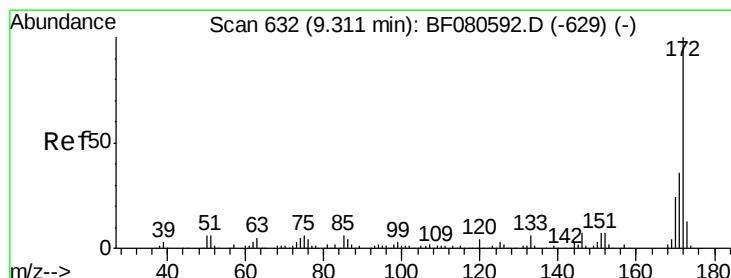
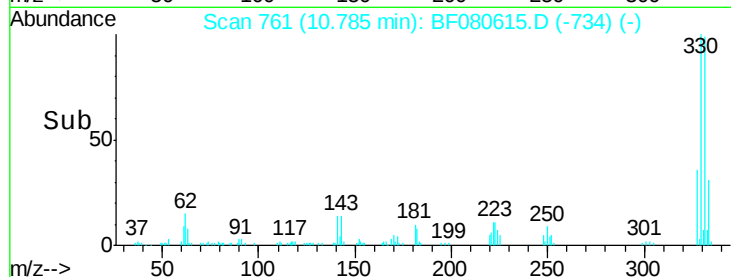
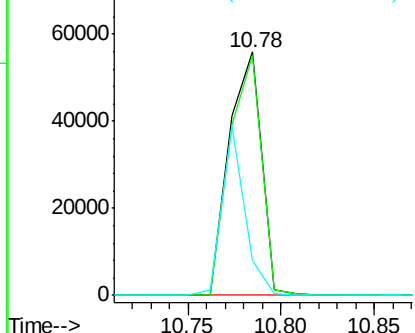
#41
 2,4,6-Tribromophenol
 Concen: 138.58 ng
 RT: 10.78 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

Tgt Ion:330 Resp: 67835
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.3 117.5
 141 49.0 37.9 56.9

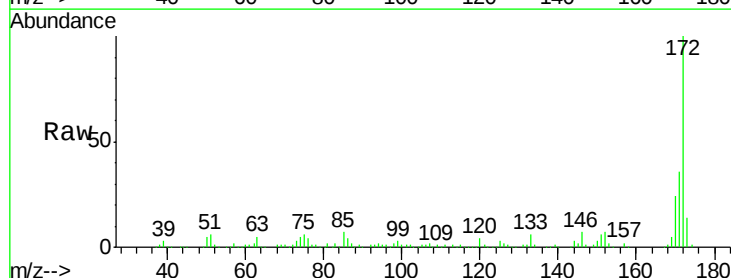


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

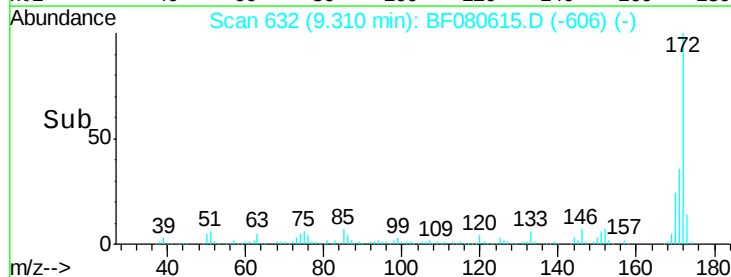
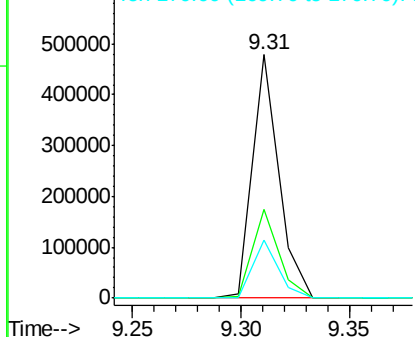


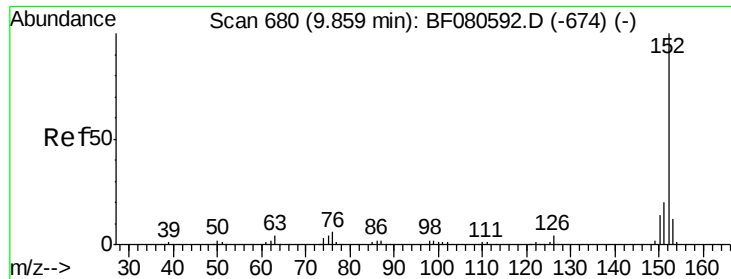
#44
 2-Fluorobiphenyl
 Concen: 94.31 ng
 RT: 9.31 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Tgt Ion:172 Resp: 401561
 Ion Ratio Lower Upper
 172 100
 171 36.2 27.7 41.5
 170 23.8 19.1 28.7



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





#48

Acenaphthylene

Concen: 2.64 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.01 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

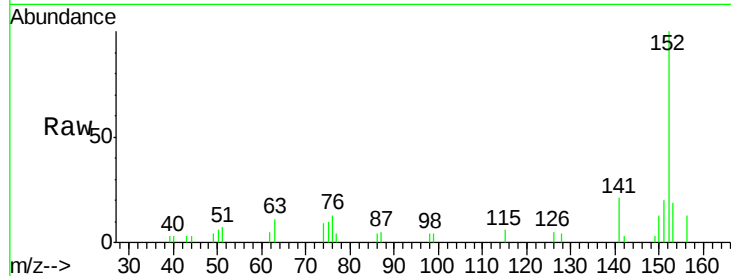
Tgt Ion:152 Resp: 15883

Ion Ratio Lower Upper

152 100

151 19.7 16.4 24.6

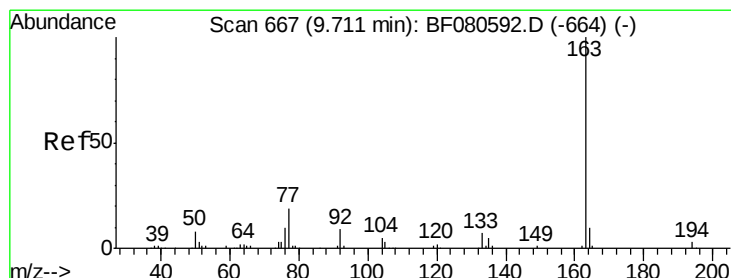
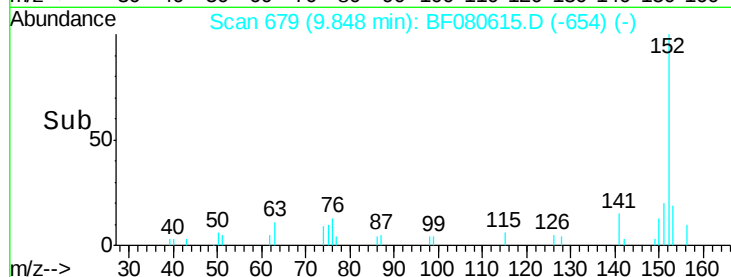
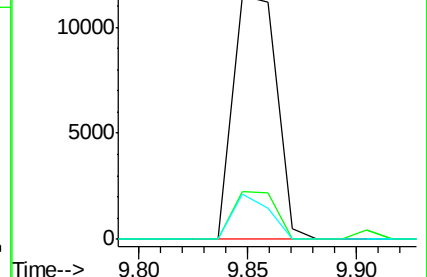
153 18.6 9.7 14.5#



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: 18.92 ng

RT: 9.71 min Scan# 667

Delta R.T. 0.00 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

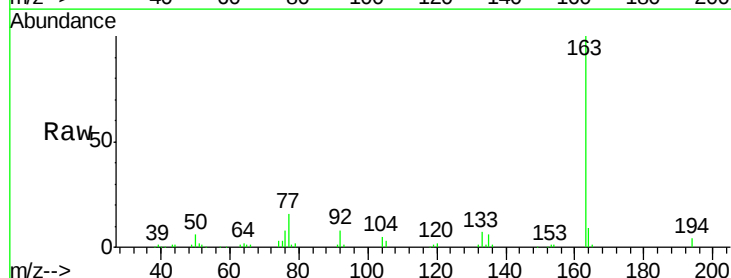
Tgt Ion:163 Resp: 86009

Ion Ratio Lower Upper

163 100

194 4.0 2.5 3.7#

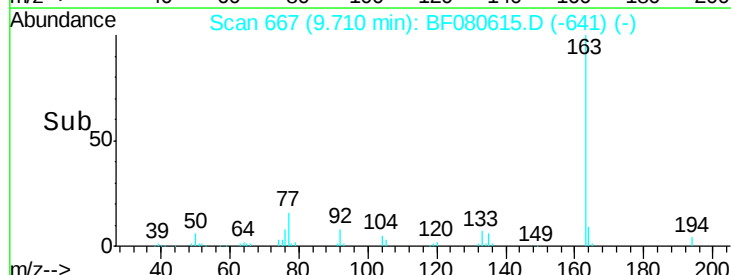
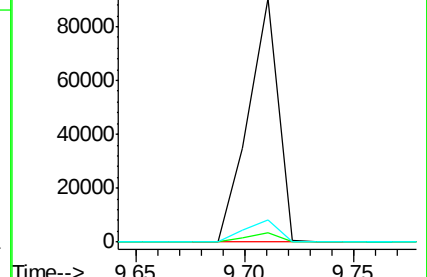
164 9.3 8.1 12.1

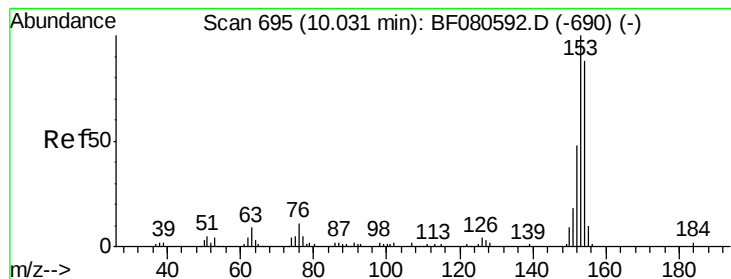


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 5.41 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

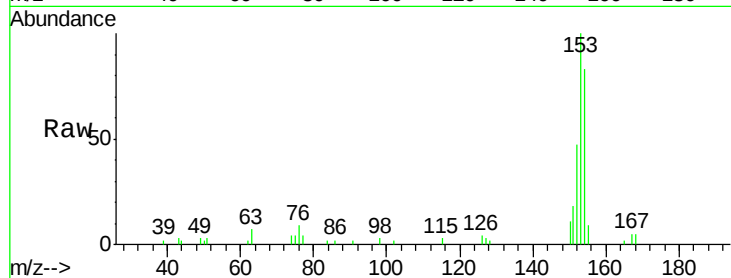
Tgt Ion:154 Resp: 19584

Ion Ratio Lower Upper

154 100

153 120.6 92.2 138.2

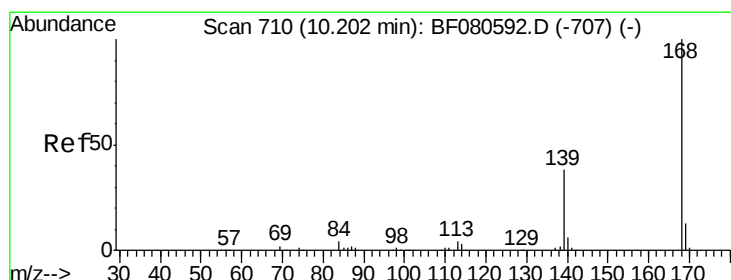
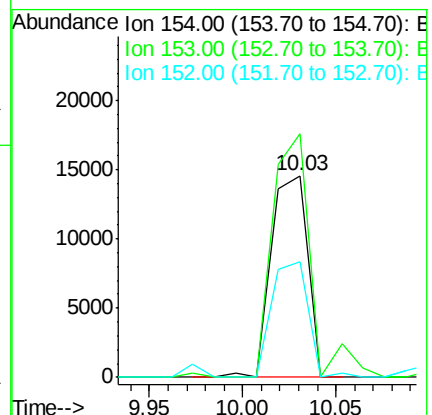
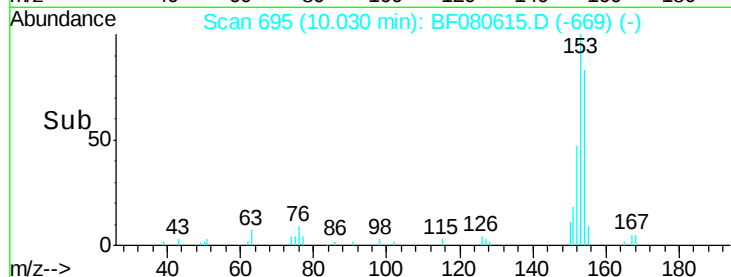
152 57.0 43.6 65.4



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



#54

Dibenzofuran

Concen: 3.66 ng

RT: 10.20 min Scan# 710

Delta R.T. 0.00 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

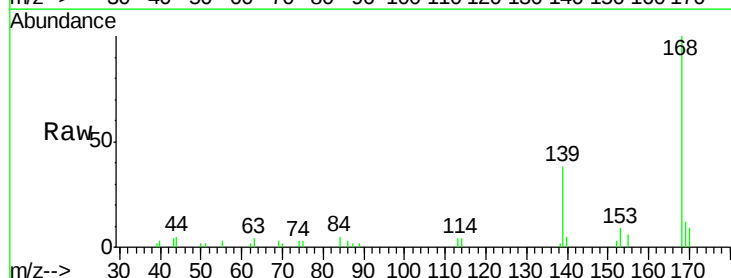
Tgt Ion:168 Resp: 19144

Ion Ratio Lower Upper

168 100

139 37.5 30.7 46.1

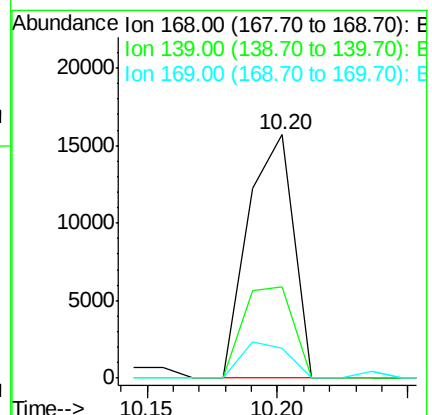
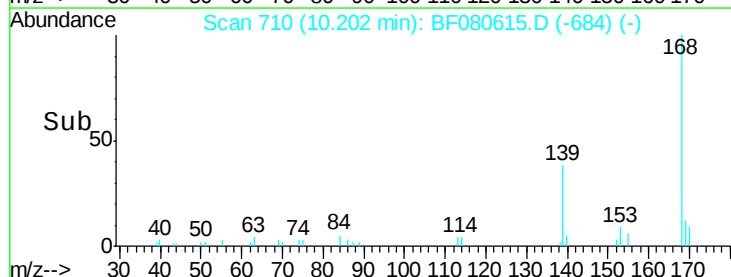
169 12.5 9.8 14.8

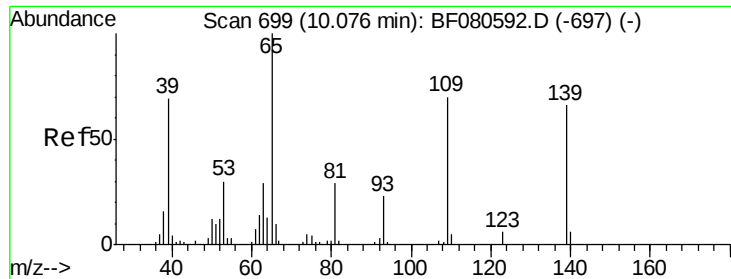


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

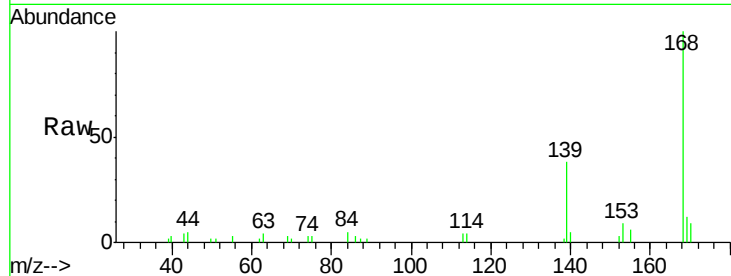




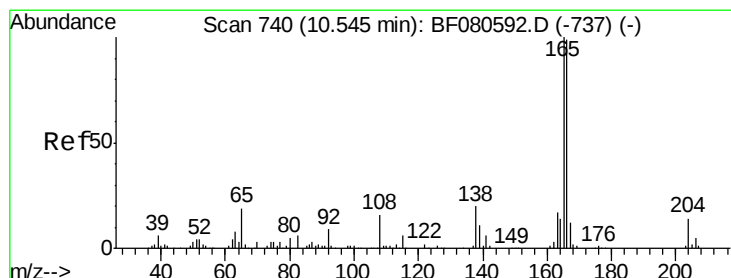
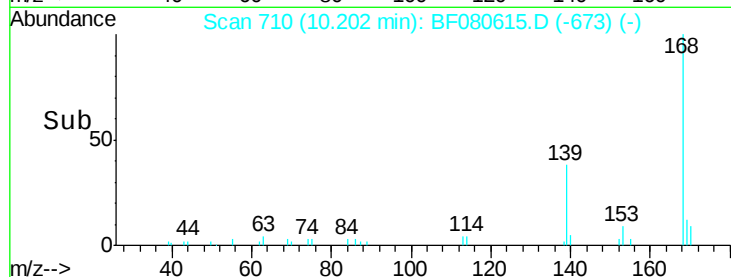
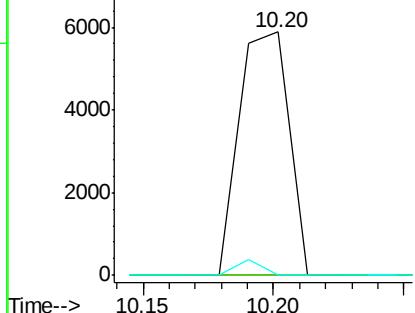
#55
4-Nitrophenol
Concen: 11.82 ng
RT: 10.20 min Scan# 710
Delta R.T. 0.13 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion:139 Resp: 7896
Ion Ratio Lower Upper
139 100
109 0.0 75.9 115.9#
65 0.0 109.4 149.4#

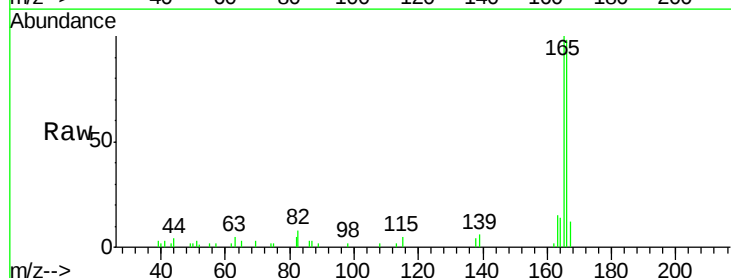


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

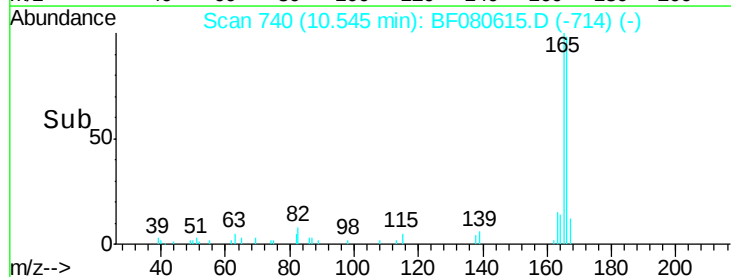
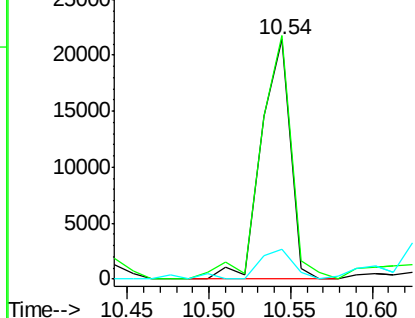


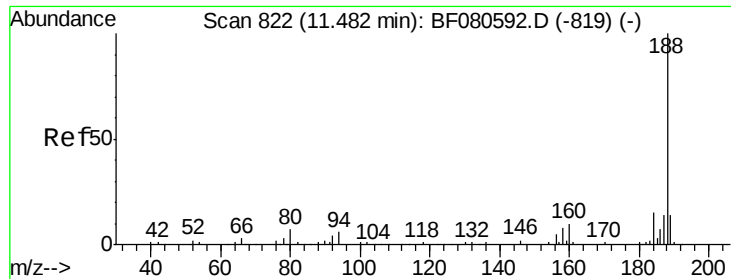
#57
Fluorene
Concen: 6.27 ng
RT: 10.54 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Tgt Ion:166 Resp: 26329
Ion Ratio Lower Upper
166 100
165 101.7 77.7 116.5
167 12.3 10.5 15.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

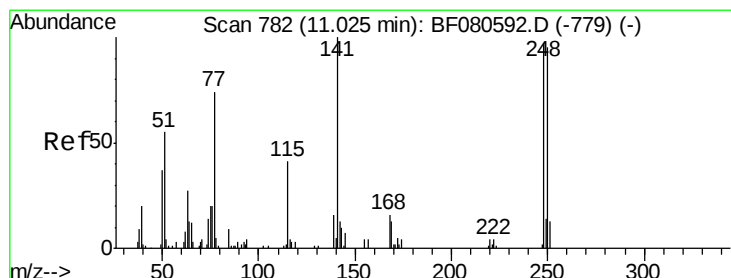
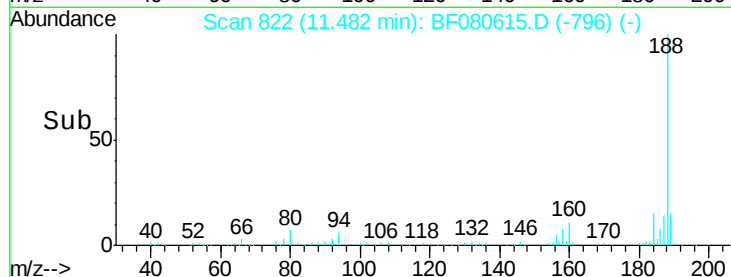
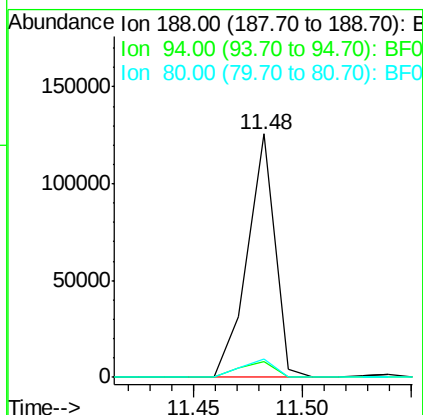
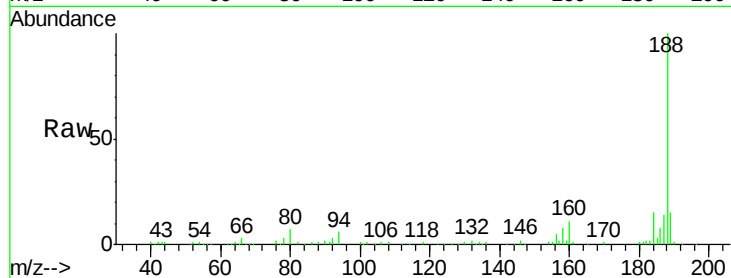




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.48 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

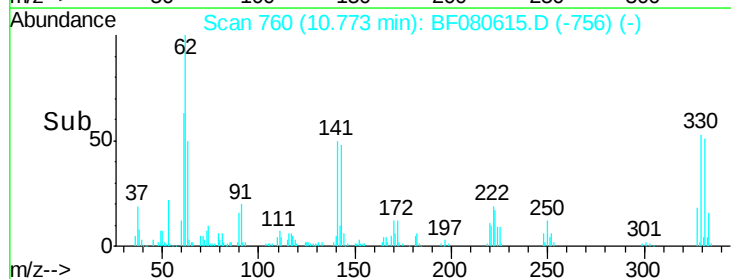
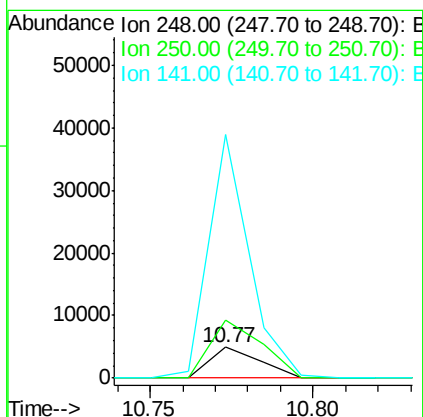
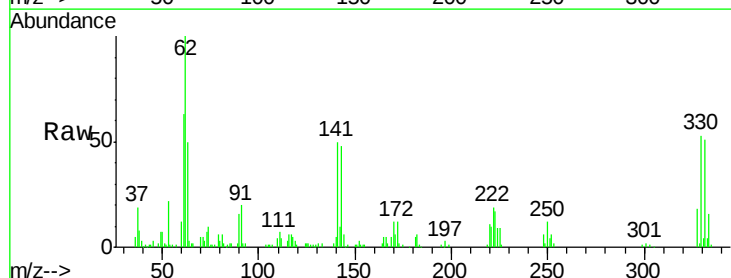
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

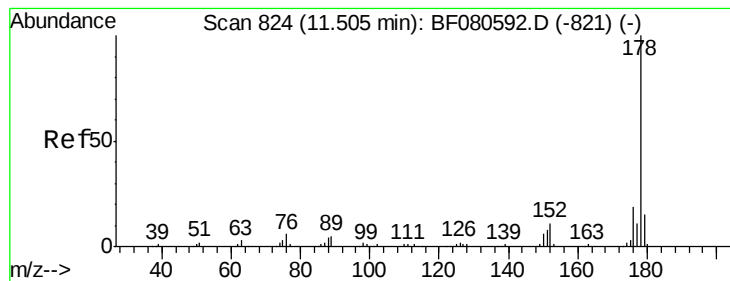
Tgt Ion:188 Resp: 110787
 Ion Ratio Lower Upper
 188 100
 94 6.2 6.1 9.1
 80 7.5 7.0 10.6



#66
 4-Bromophenyl-phenylether
 Concen: 4.55 ng
 RT: 10.77 min Scan# 760
 Delta R.T. -0.25 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Tgt Ion:248 Resp: 5127
 Ion Ratio Lower Upper
 248 100
 250 187.9 75.4 113.2#
 141 786.7 93.4 140.0#





#70

Phenanthrene

Concen: 74.18 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

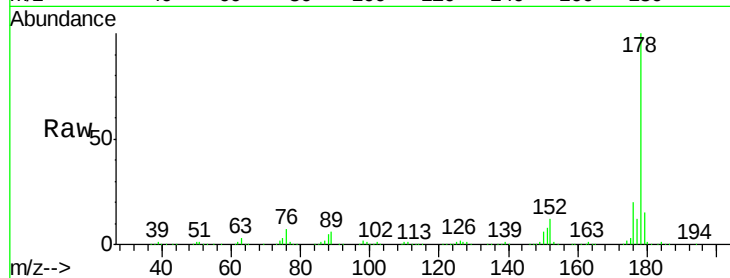
Tgt Ion:178 Resp: 463900

Ion Ratio Lower Upper

178 100

176 19.6 15.2 22.8

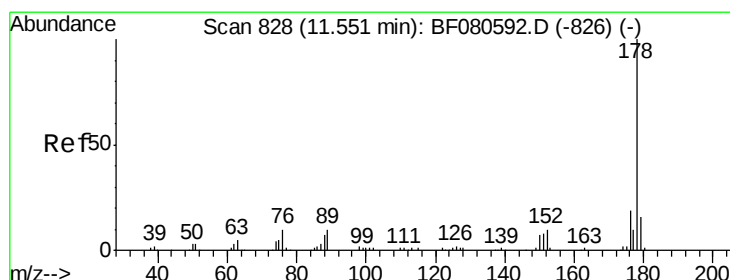
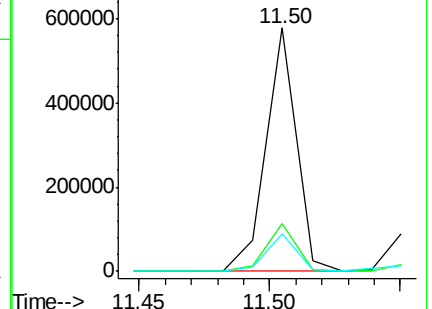
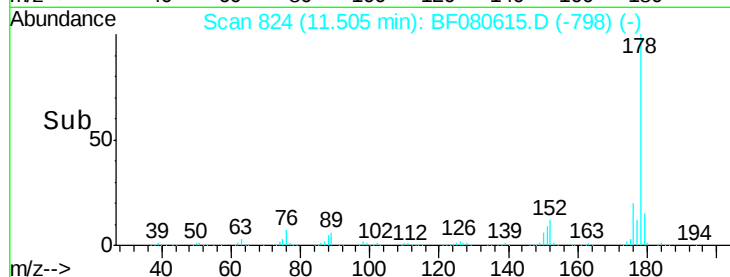
179 15.2 12.5 18.7



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: 14.77 ng

RT: 11.55 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

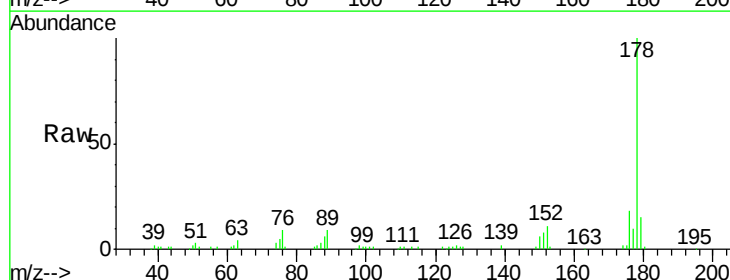
Tgt Ion:178 Resp: 86478

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

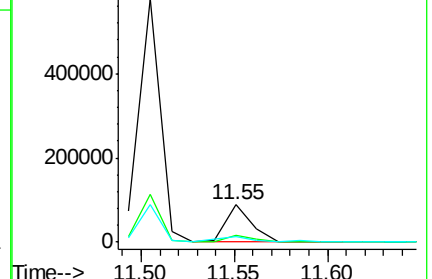
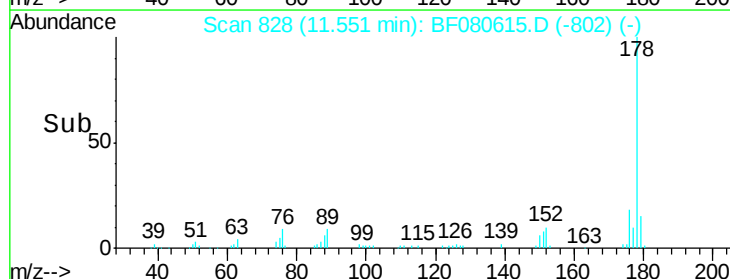
179 15.4 12.0 18.0

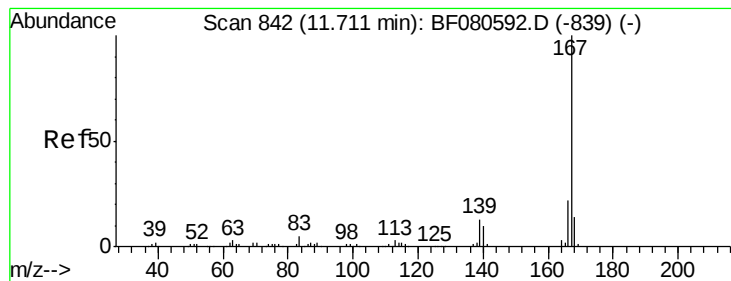


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.77 ng

RT: 11.71 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

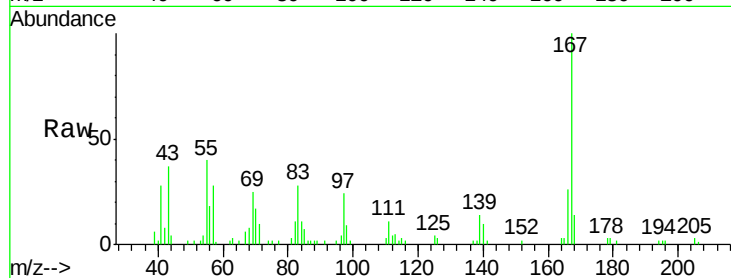
Tgt Ion:167 Resp: 24154

Ion Ratio Lower Upper

167 100

166 26.4 18.1 27.1

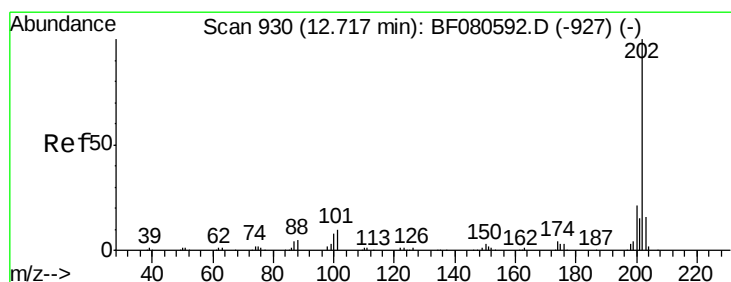
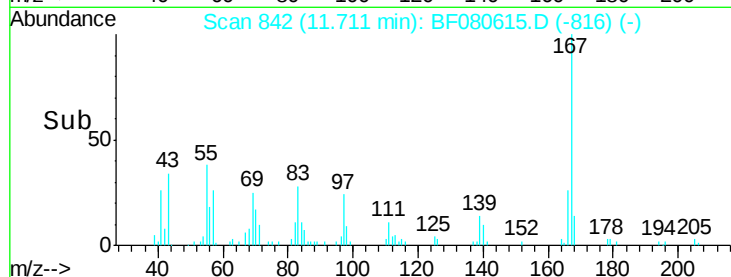
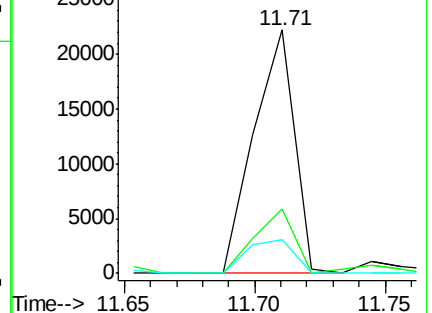
139 13.8 10.7 16.1



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



#74

Fluoranthene

Concen: 70.35 ng

RT: 12.70 min Scan# 929

Delta R.T. 0.01 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

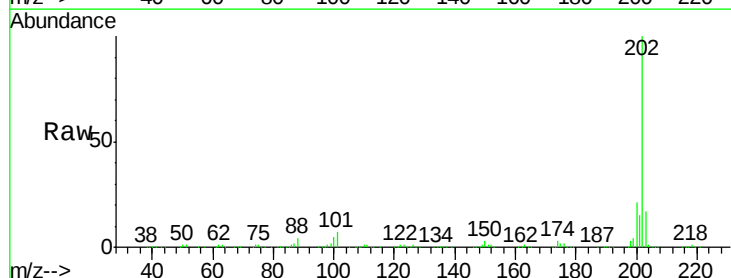
Tgt Ion:202 Resp: 393682

Ion Ratio Lower Upper

202 100

101 6.7 0.0 31.1

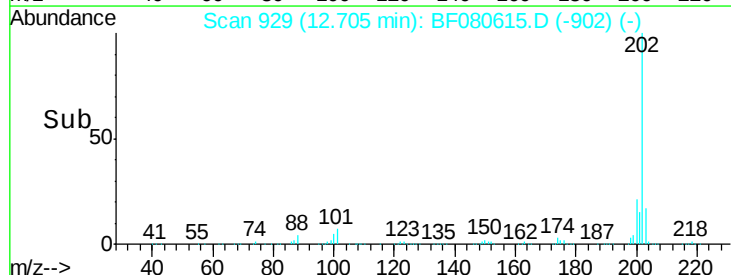
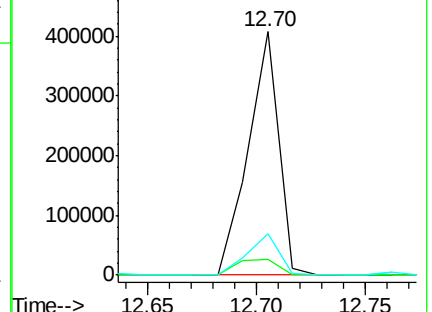
203 16.9 0.0 37.5

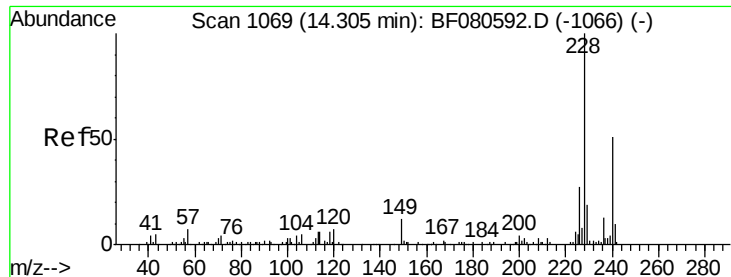


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.24 min Scan# 1063

Delta R.T. 0.06 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampled :

SOIL-2

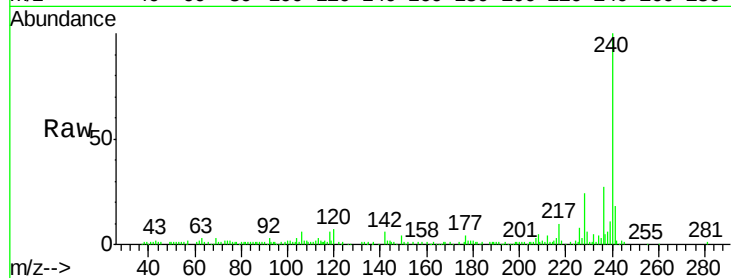
Tgt Ion:240 Resp: 107259

Ion Ratio Lower Upper

240 100

120 6.8 9.9 14.9#

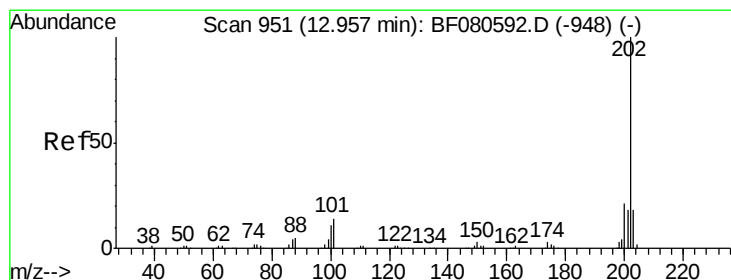
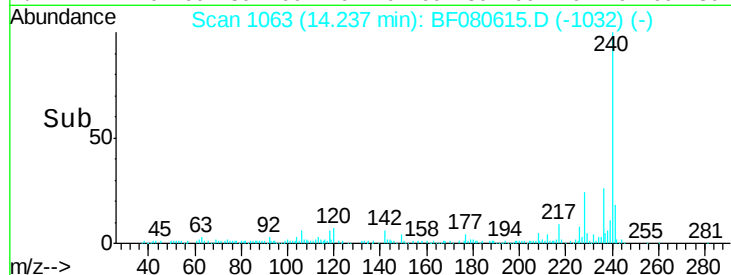
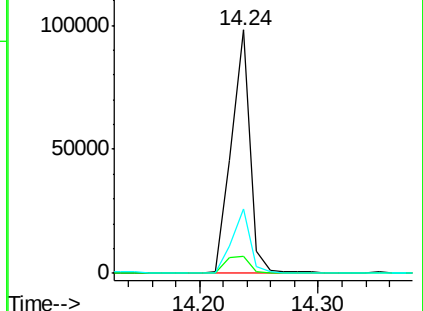
236 26.5 19.1 28.7



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



#77

Pyrene

Concen: 54.10 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

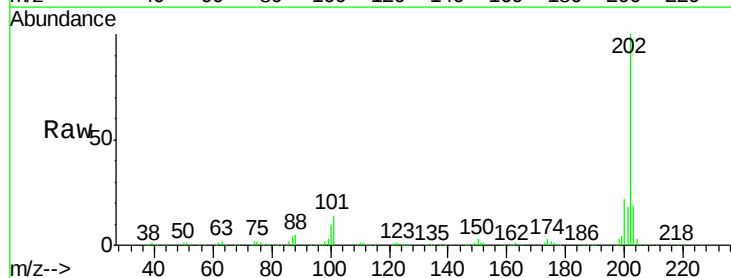
Tgt Ion:202 Resp: 389306

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

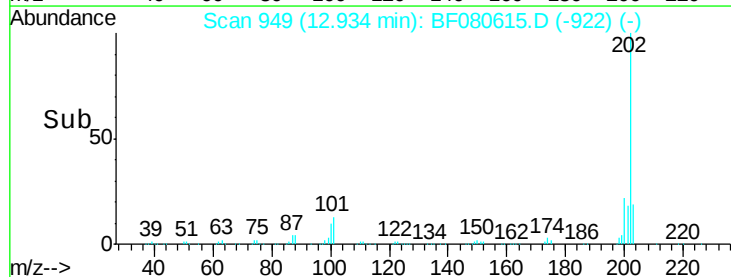
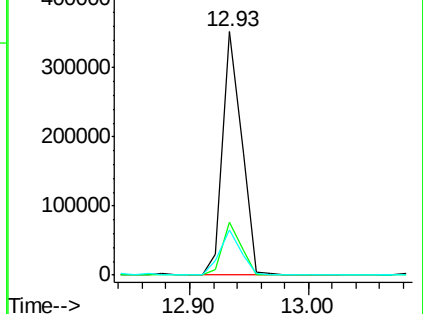
203 18.8 14.5 21.7

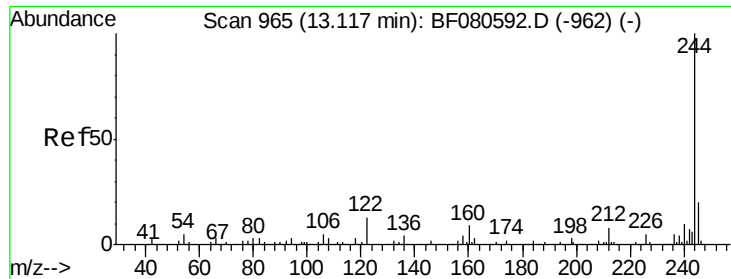


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

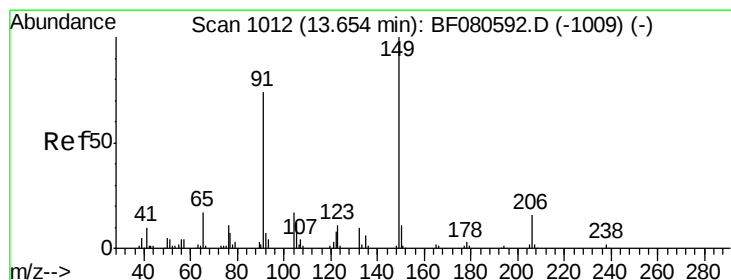
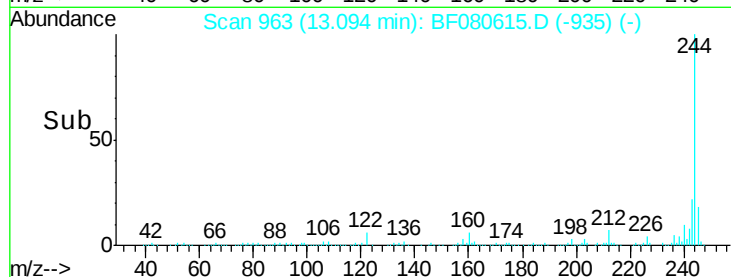
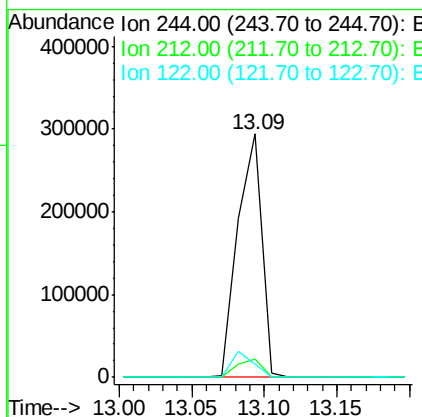
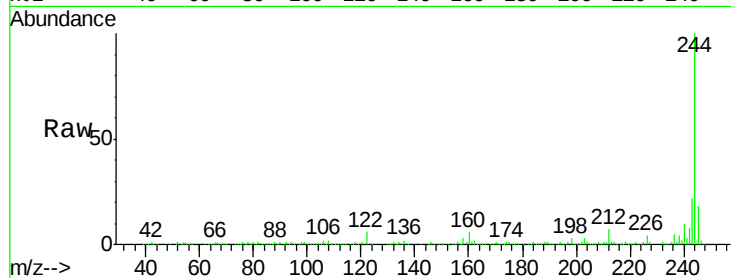




#78
 Terphenyl-d14
 Concen: 66.42 ng
 RT: 13.09 min Scan# 963
 Delta R.T. 0.02 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

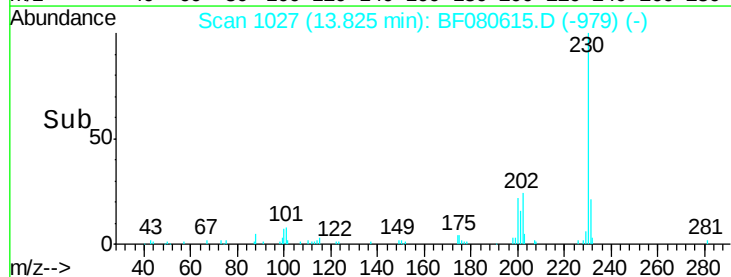
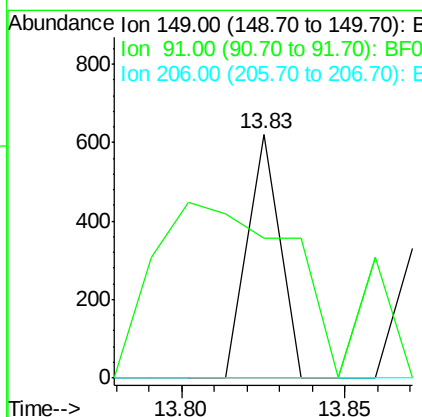
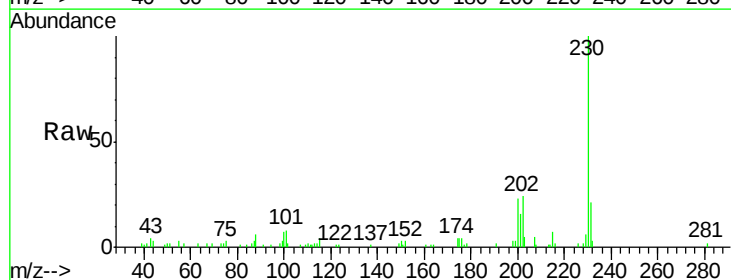
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-2

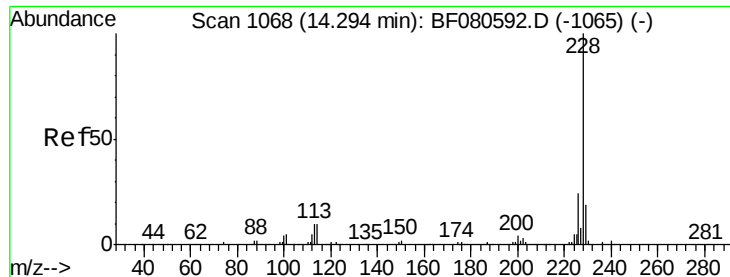
Tgt Ion:244 Resp: 340449
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 5.7 8.2 12.2#



#79
 Butylbenzylphthalate
 Concen: 5.46 ng
 RT: 13.83 min Scan# 1027
 Delta R.T. 0.25 min
 Lab File: BF080615.D
 Acq: 24 Jul 2015 3:00

Tgt Ion:149 Resp: 426
 Ion Ratio Lower Upper
 149 100
 91 57.6 53.0 79.6
 206 0.0 15.0 22.6#





#80

Benzo(a)anthracene

Concen: 30.72 ng

RT: 14.23 min Scan# 1062

Delta R.T. 0.06 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

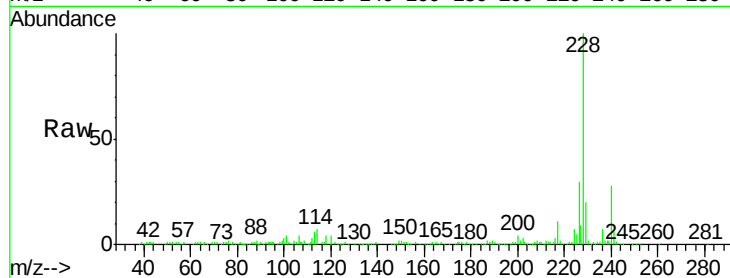
Tgt Ion:228 Resp: 185790

Ion Ratio Lower Upper

228 100

226 29.7 22.0 33.0

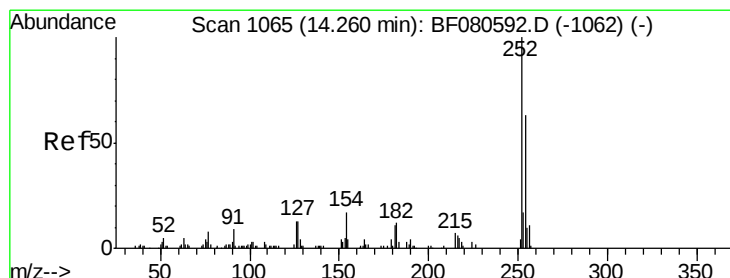
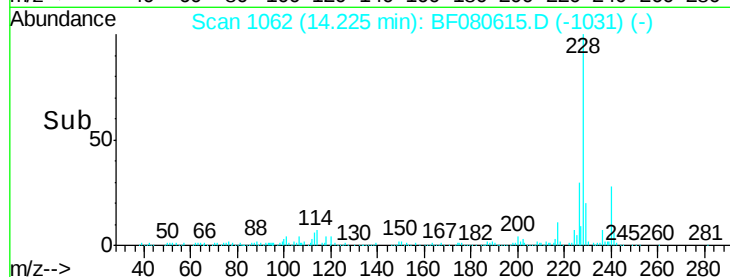
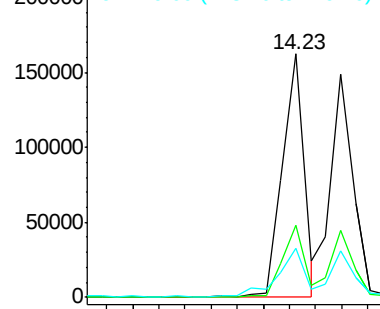
229 20.4 15.7 23.5



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: 14.96 ng

RT: 14.18 min Scan# 1058

Delta R.T. 0.05 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

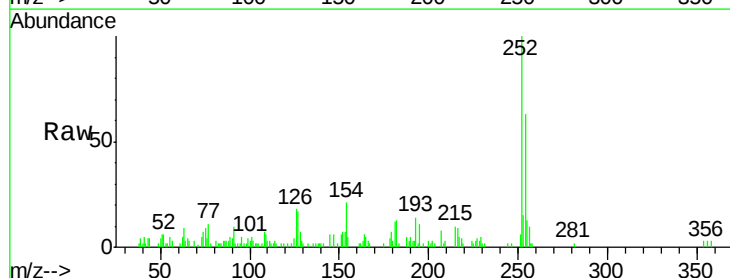
Tgt Ion:252 Resp: 25867

Ion Ratio Lower Upper

252 100

254 62.6 49.2 73.8

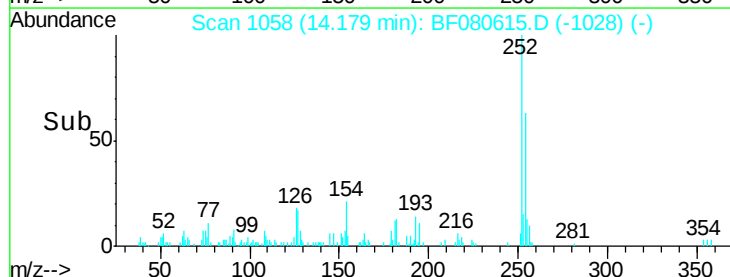
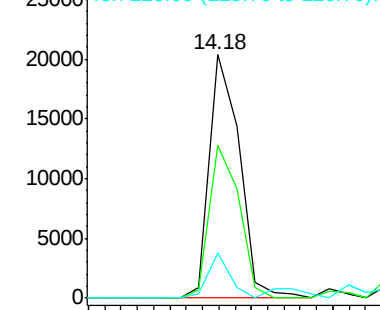
126 18.4 8.1 12.1#

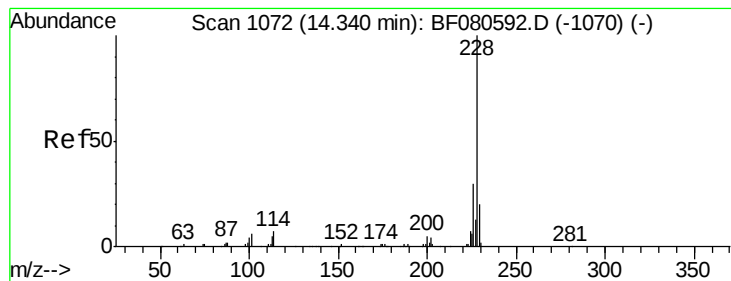


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 24.98 ng

RT: 14.26 min Scan# 1065

Delta R.T. 0.05 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

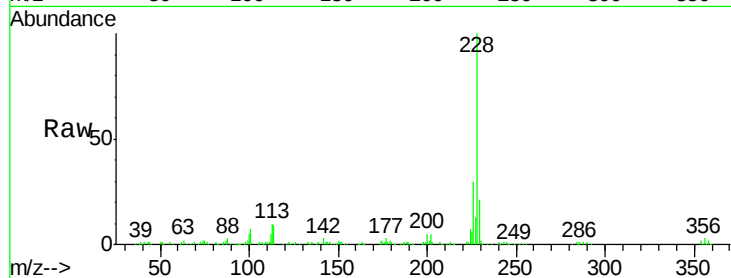
Tgt Ion: 228 Resp: 150279

Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.6

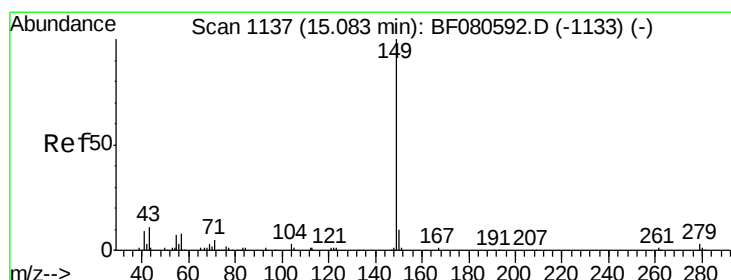
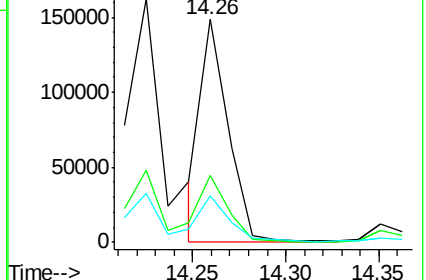
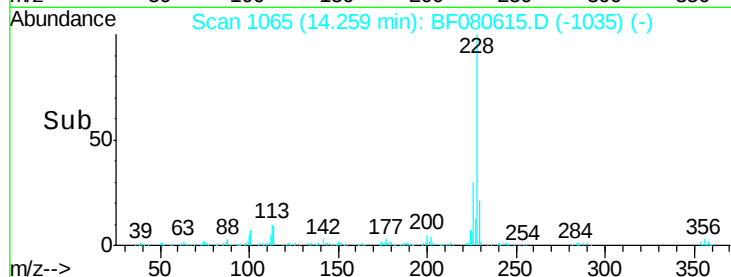
229 21.1 15.0 22.4



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



#84

Di-n-octyl phthalate

Concen: 6.11 ng

RT: 14.93 min Scan# 1124

Delta R.T. 0.07 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

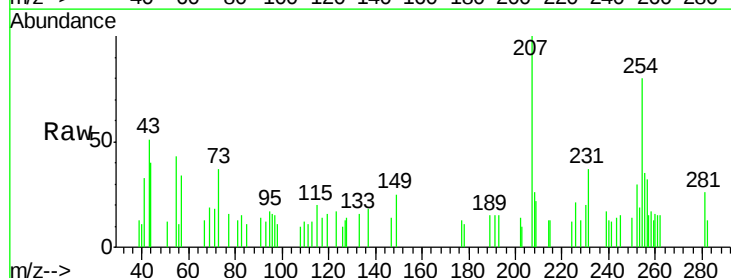
Tgt Ion: 149 Resp: 1023

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

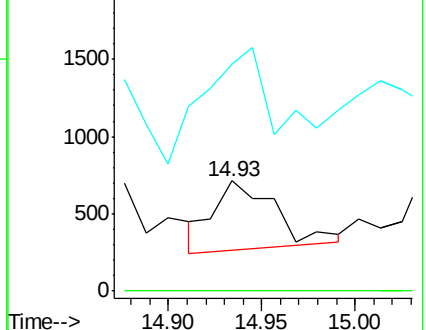
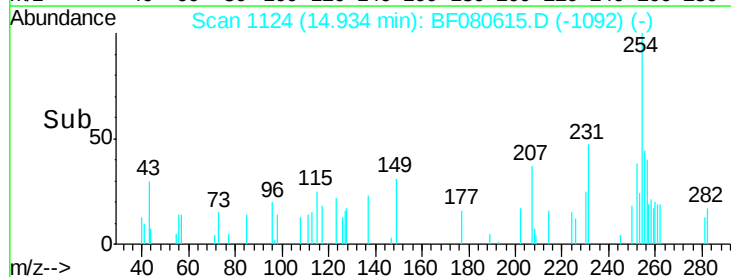
43 201.2 12.5 18.7#

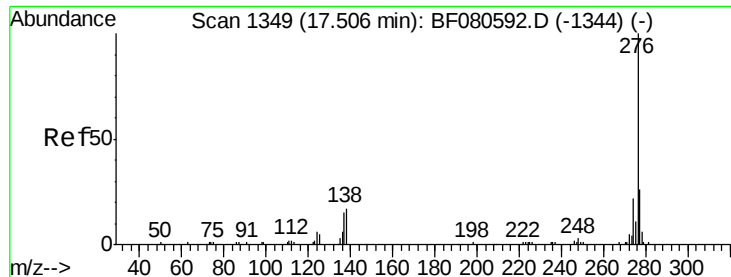


Abundance Ion 149.00 (148.70 to 149.70): E

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: 31.38 ng

RT: 17.37 min Scan# 1337

Delta R.T. 0.13 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

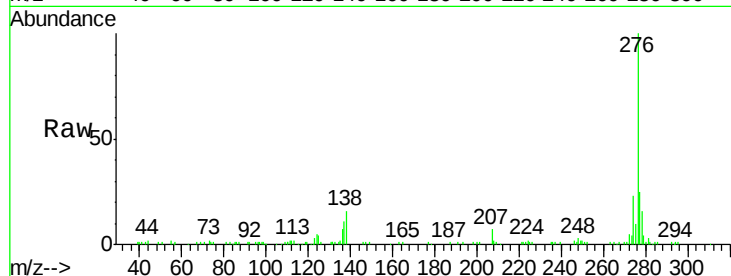
Tgt Ion:276 Resp: 142823

Ion Ratio Lower Upper

276 100

138 18.3 18.9 28.3#

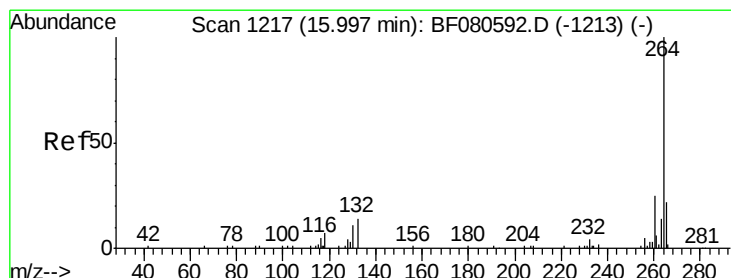
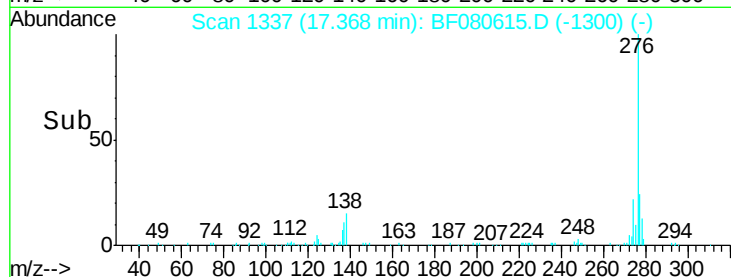
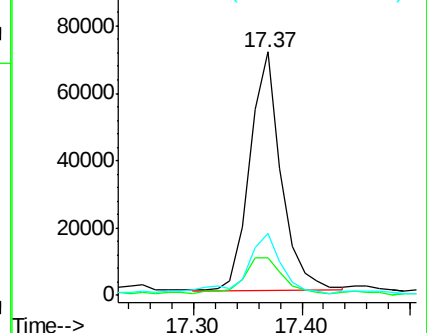
277 29.6 19.9 29.9



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: 15.86 min Scan# 1205

Delta R.T. 0.11 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

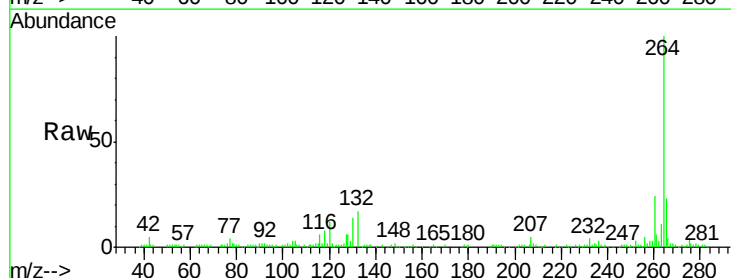
Tgt Ion:264 Resp: 152017

Ion Ratio Lower Upper

264 100

260 24.4 17.8 26.8

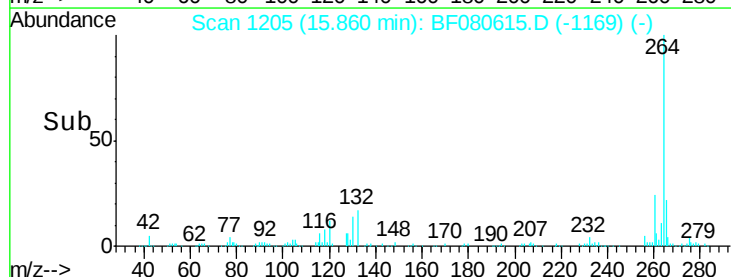
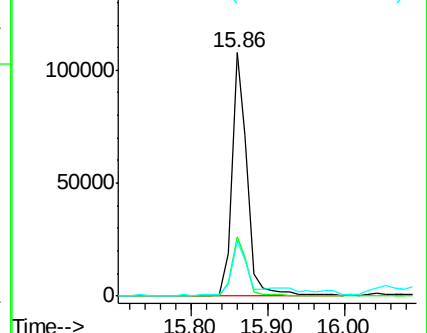
265 22.5 15.6 23.4

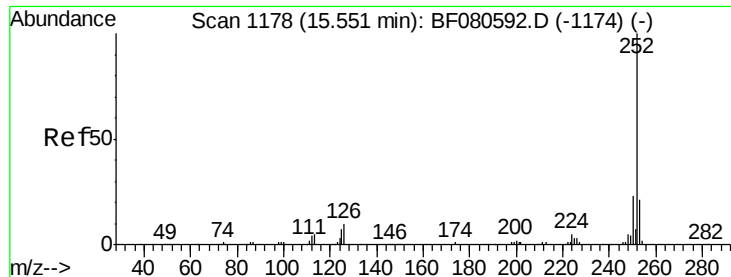


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 34.63 ng

RT: 15.43 min Scan# 1167

Delta R.T. 0.11 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

Instrument :

BNA_F

ClientSampleId :

SOIL-2

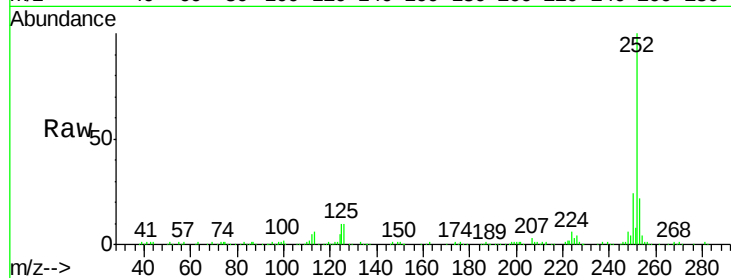
Tgt Ion:252 Resp: 320178

Ion Ratio Lower Upper

252 100

253 21.6 16.6 25.0

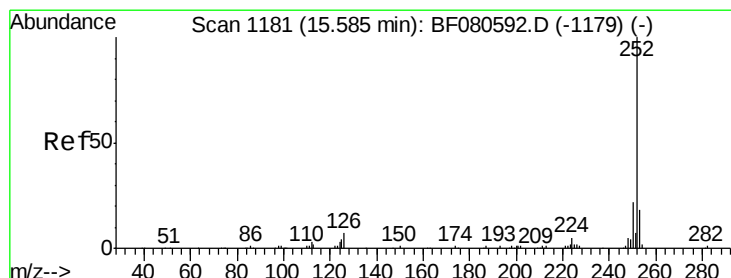
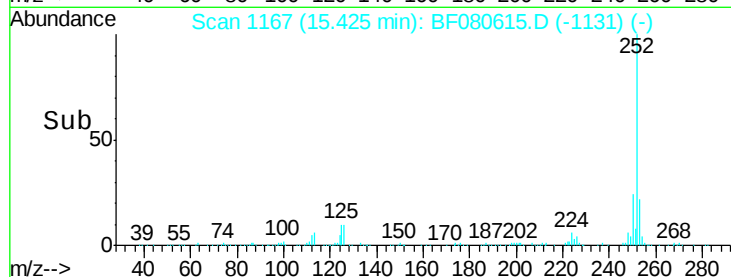
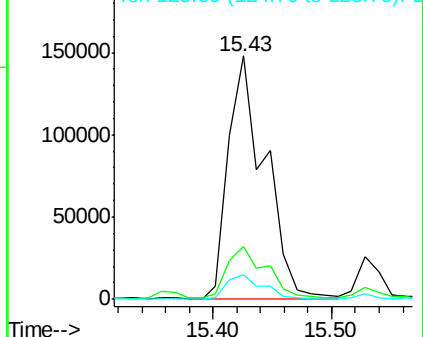
125 10.0 6.1 9.1#



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: 34.80 ng

RT: 15.43 min Scan# 1167

Delta R.T. 0.08 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

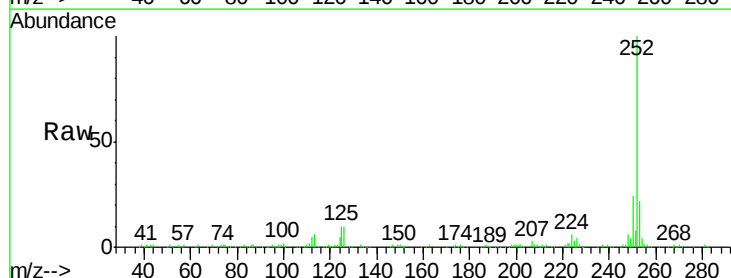
Tgt Ion:252 Resp: 320178

Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

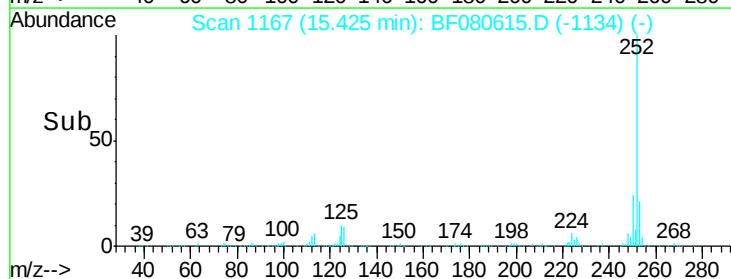
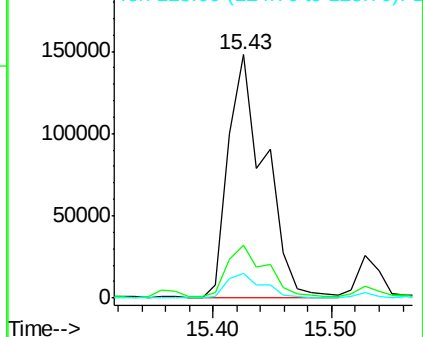
125 10.0 8.6 13.0

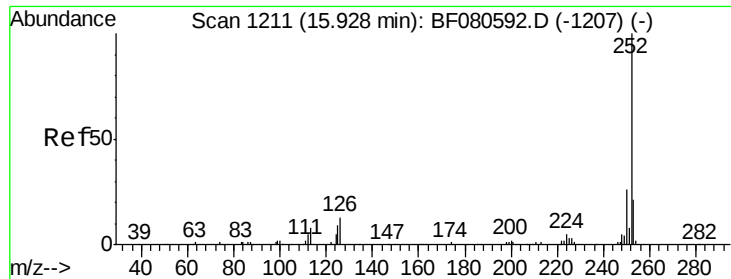


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 16.37 ng

RT: 15.73 min Scan# 1194

Delta R.T. 0.05 min

Lab File: BF080615.D

Acq: 24 Jul 2015 3:00

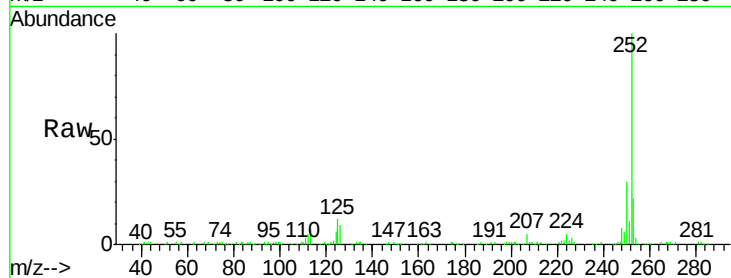
Instrument :

BNA_F

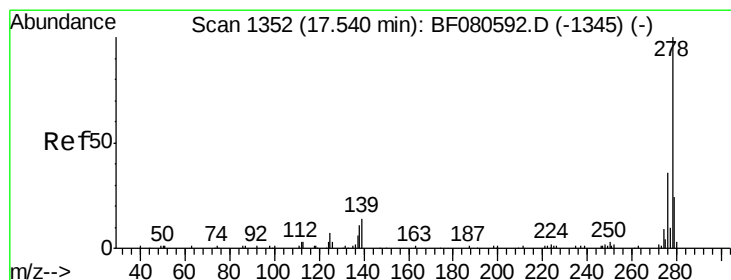
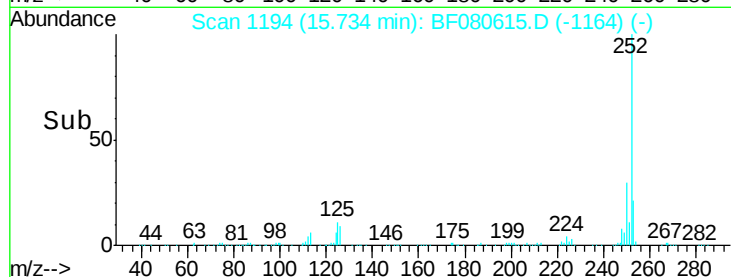
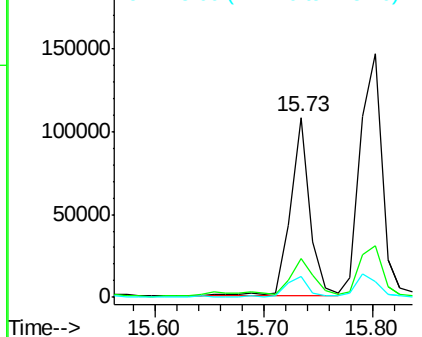
ClientSampleId :

SOIL-2

Tgt Ion:	252	Resp:	134297
Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.0	28.6
125	11.7	11.2	16.8



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: 3.94 ng

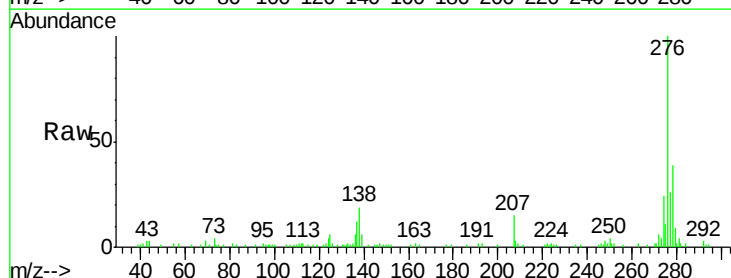
RT: 17.38 min Scan# 1338

Delta R.T. 0.11 min

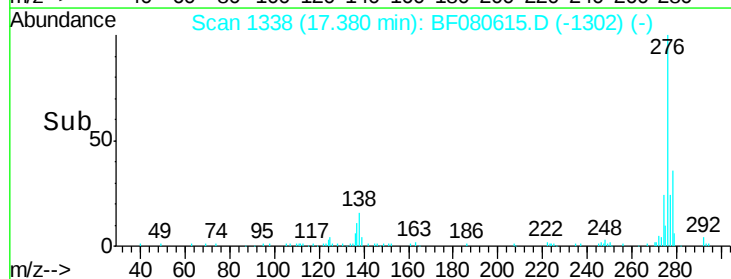
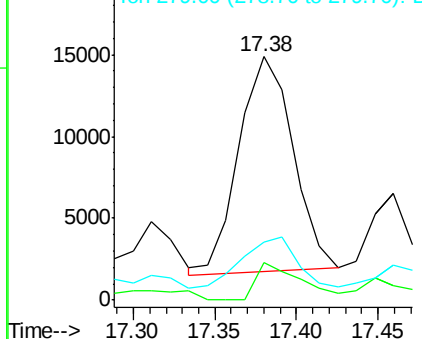
Lab File: BF080615.D

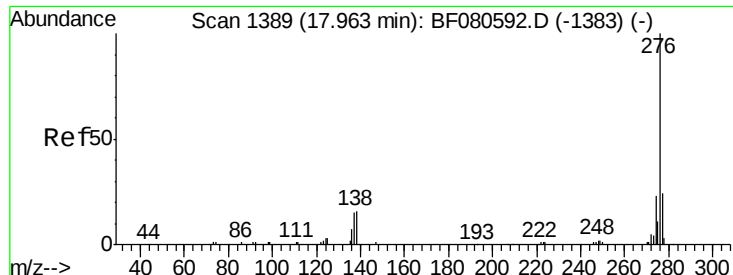
Acq: 24 Jul 2015 3:00

Tgt Ion:	278	Resp:	30510
Ion	Ratio	Lower	Upper
278	100		
139	15.2	11.6	17.4
279	23.9	18.9	28.3



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(g,h,i)perylene
Concen: 3.32 ng
RT: 18.05 min Scan# 1397
Delta R.T. 0.38 min
Lab File: BF080615.D
Acq: 24 Jul 2015 3:00

Instrument :
BNA_F
ClientSampleId :
SOIL-2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.0	27.0
138	19.8	17.8	26.6

