

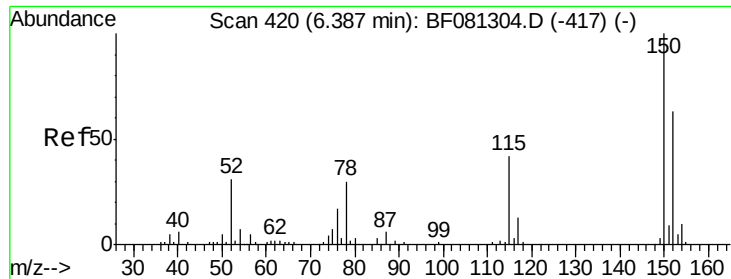
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091515\
 Data File : BF081641.D
 Acq On : 15 Sep 2015 22:15
 Operator : UM/IZ
 Sample : G3670-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

Quant Time: Sep 16 01:01:05 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 15 14:03:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	45045	20.00	ng	-0.01
21) Naphthalene-d8	11.11	136	178048	20.00	ng	-0.01
38) Acenaphthene-d10	15.25	164	78343	20.00	ng	-0.01
63) Phenanthrene-d10	18.76	188	132259	20.00	ng	0.00
75) Chrysene-d12	23.38	240	108461	20.00	ng	0.00
86) Perylene-d12	24.82	264	65533	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	379054	130.56	ng	0.02
7) Phenol-d6	7.65	99	547458	142.46	ng	0.00
23) Nitrobenzene-d5	9.51	82	353897	95.90	ng	-0.02
41) 2,4,6-Tribromophenol	17.16	330	88713	127.17	ng	-0.01
44) 2-Fluorobiphenyl	13.76	172	575595	94.15	ng	-0.01
78) Terphenyl-d14	22.12	244	394619	84.69	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	1.54	88	11289	8.66	ng	# 11
19) n-Nitroso-di-n-propylamine	9.51	70	46788	17.89	ng	# 69
49) Dimethylphthalate	14.81	163	71469	11.74	ng	# 97
55) 4-Nitrophenol	15.75	139	3020	3.06	ng	# 25
70) Phenanthrene	18.81	178	102694	13.97	ng	97
71) Anthracene	18.93	178	30145	3.99	ng	97
74) Fluoranthene	21.43	202	125056	15.71	ng	87
77) Pyrene	21.77	202	127766	15.90	ng	99
80) Benzo(a)anthracene	23.37	228	56490	8.18	ng	# 92
82) Chrysene	23.41	228	36242	5.85	ng	# 90
85) Indeno(1,2,3-cd)pyrene	25.89	276	16085	3.54	ng	# 81
87) Benzo(b)fluoranthene	24.48	252	56703	12.12	ng	93
88) Benzo(k)fluoranthene	24.48	252	56703	14.61	ng	94
89) Benzo(a)pyrene	24.78	252	31437	7.93	ng	# 89
91) Benzo(g,h,i)perylene	26.20	276	16436	5.62	ng	# 73

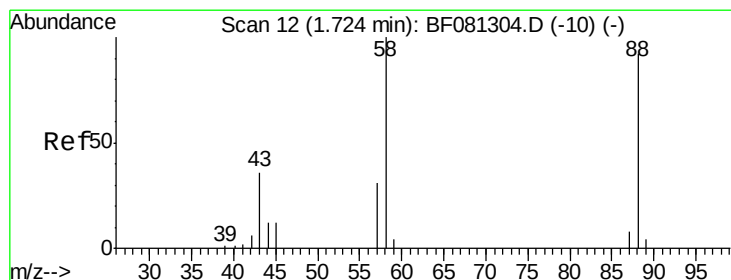
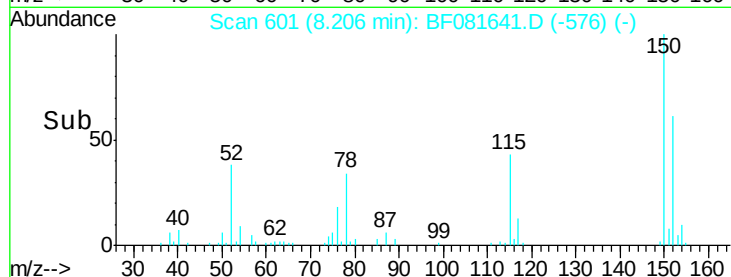
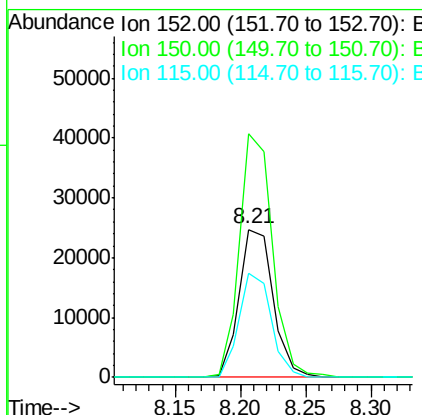
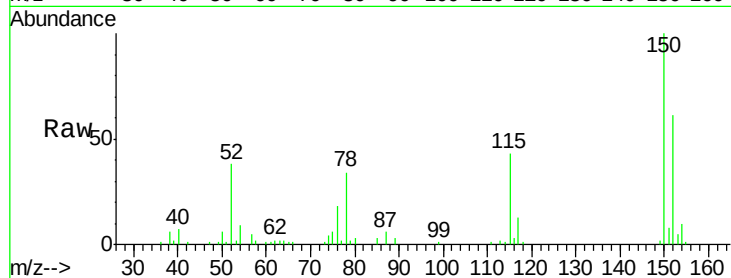
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 8.21 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

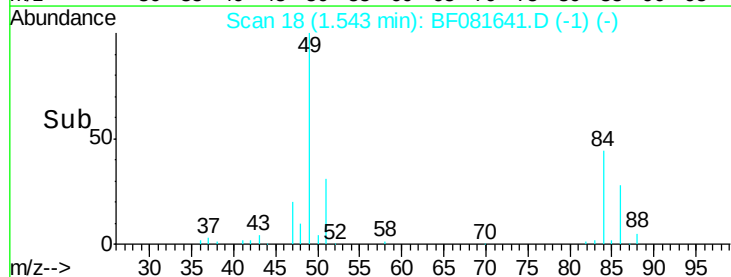
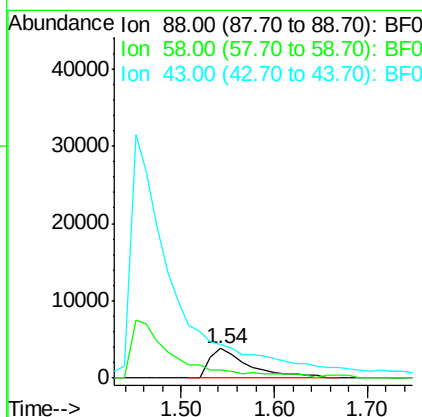
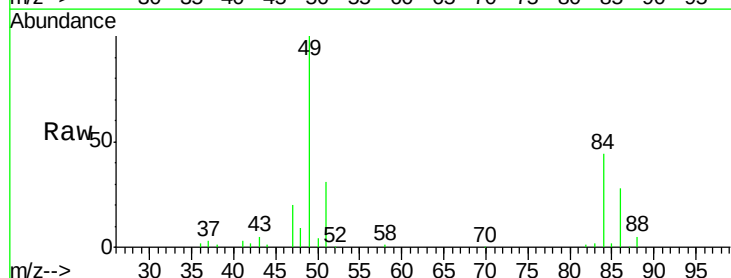
Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

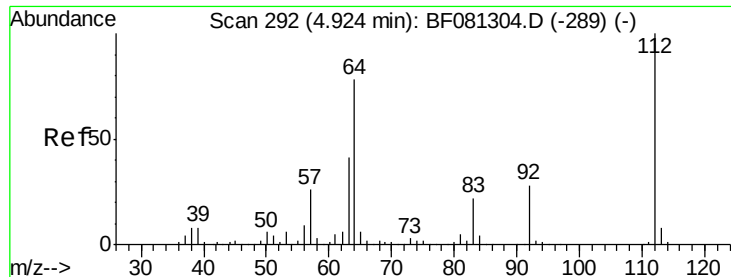
Tgt Ion:152 Resp: 45045
 Ion Ratio Lower Upper
 152 100
 150 164.6 124.7 187.1
 115 69.9 39.0 58.4#



#2
 1,4-Dioxane
 Concen: 8.66 ng
 RT: 1.54 min Scan# 18
 Delta R.T. -0.02 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

Tgt Ion: 88 Resp: 11289
 Ion Ratio Lower Upper
 88 100
 58 0.0 77.7 116.5#
 43 0.0 26.6 40.0#





#5

2-Fluorophenol

Concen: 130.56 ng

RT: 5.37 min Scan# 353

Delta R.T. 0.02 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

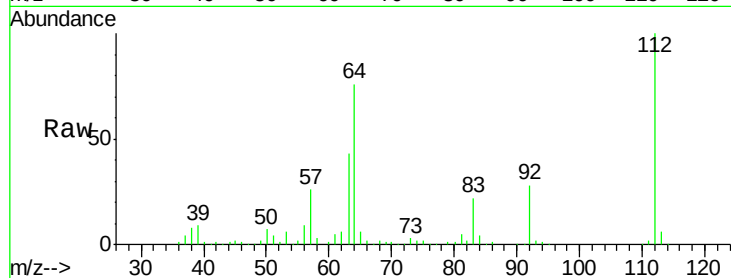
Tgt Ion: 112 Resp: 379054

Ion Ratio Lower Upper

112 100

64 75.7 39.7 59.5#

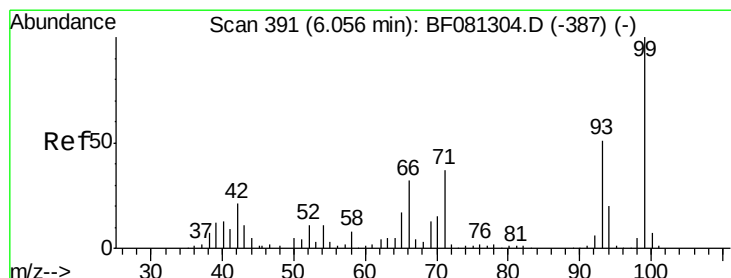
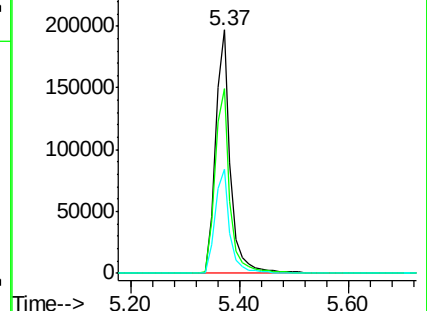
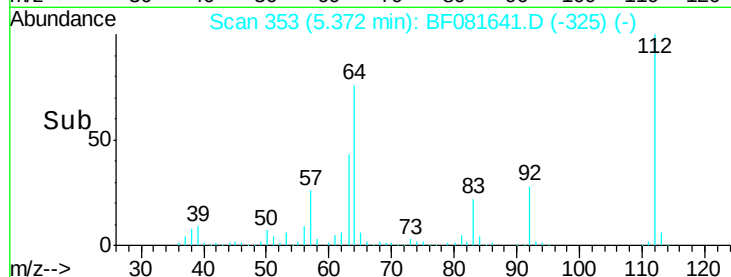
63 42.6 17.4 26.0#



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: 142.46 ng

RT: 7.65 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

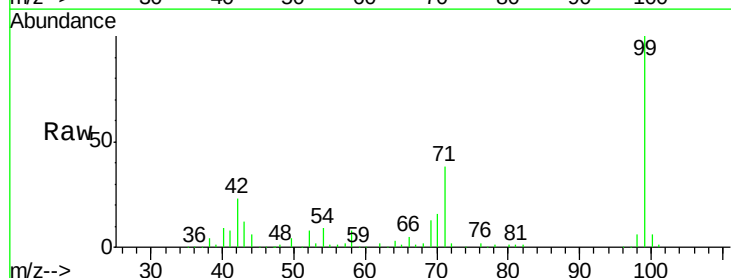
Tgt Ion: 99 Resp: 547458

Ion Ratio Lower Upper

99 100

42 23.2 13.7 20.5#

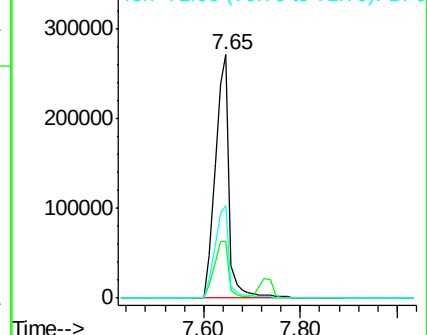
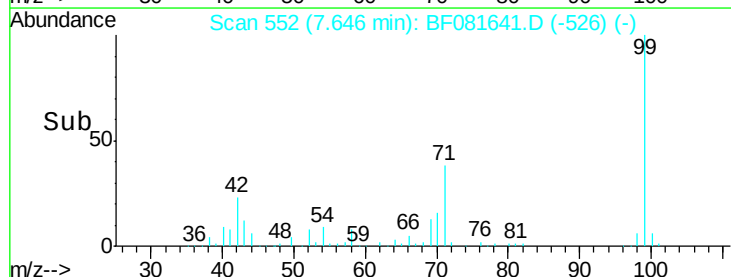
71 37.9 14.2 21.2#

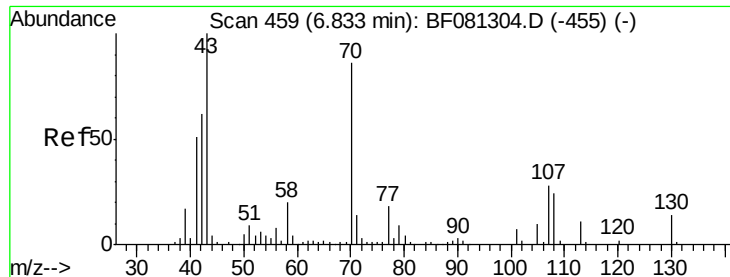


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

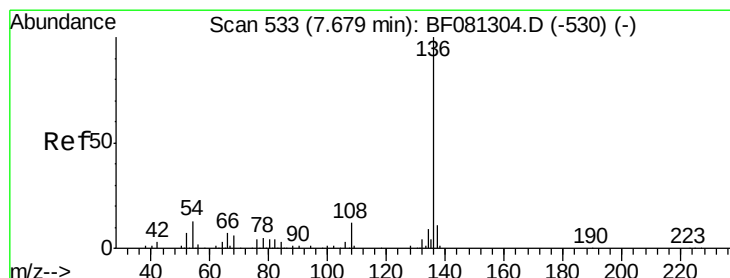
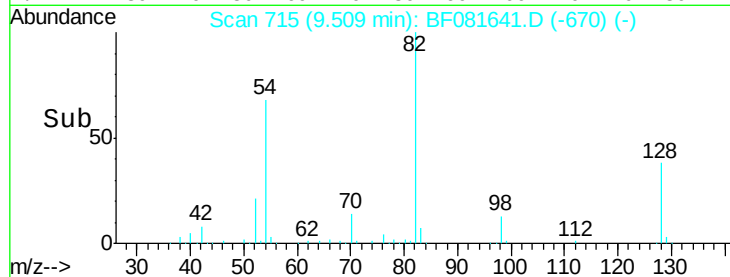
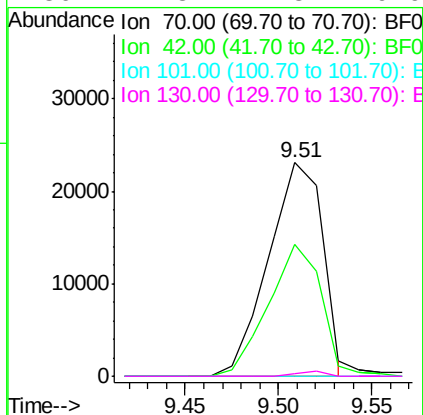
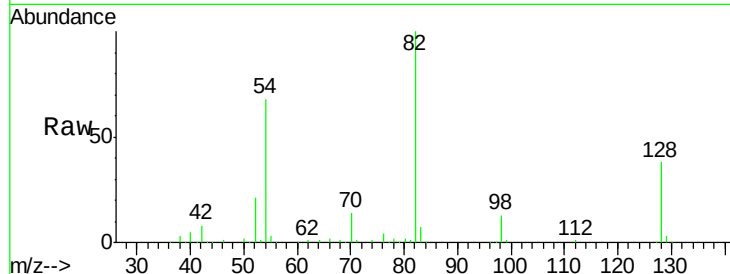




#19
n-Nitroso-di-n-propylamine
Concen: 17.89 ng
RT: 9.51 min Scan# 715
Delta R.T. 0.22 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

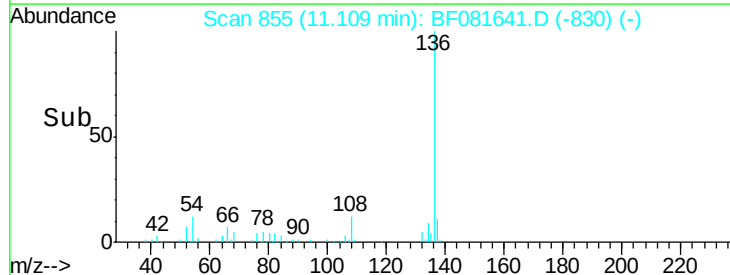
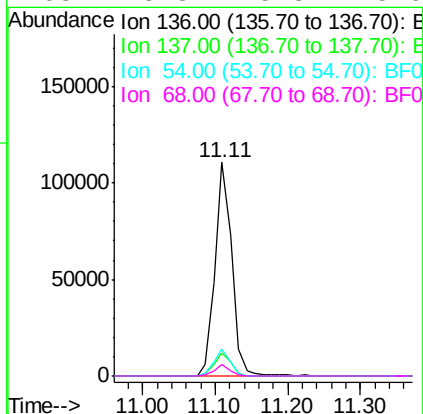
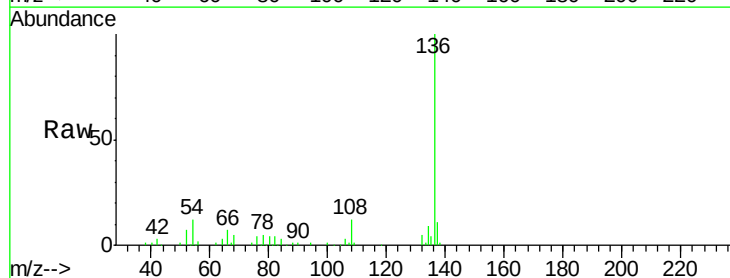
Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

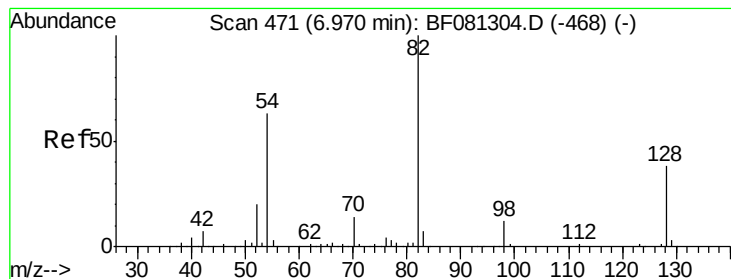
Tgt Ion: 70 Resp: 46788
Ion Ratio Lower Upper
70 100
42 61.6 63.8 95.6#
101 0.0 9.2 13.8#
130 1.3 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.11 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Tgt Ion: 136 Resp: 178048
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 12.4 8.2 12.2#
68 5.3 5.8 8.6#





#23

Nitrobenzene-d5

Concen: 95.90 ng

RT: 9.51 min Scan# 715

Delta R.T. -0.02 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

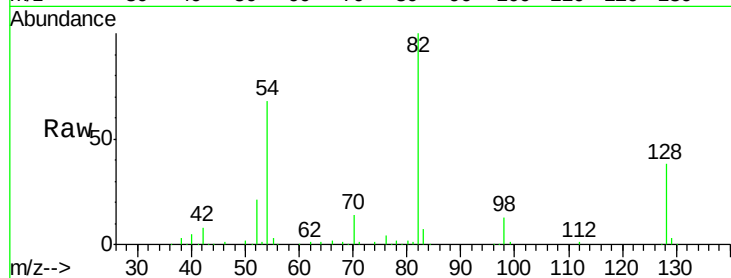
Tgt Ion: 82 Resp: 353897

Ion Ratio Lower Upper

82 100

128 37.5 51.0 76.6#

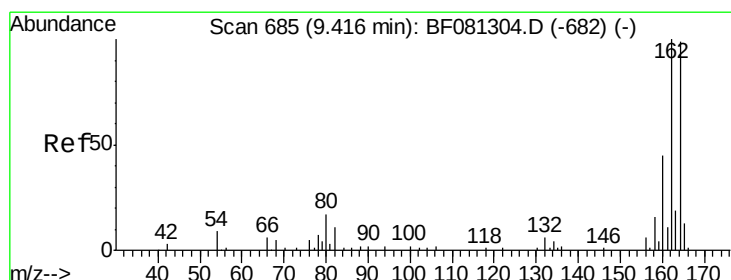
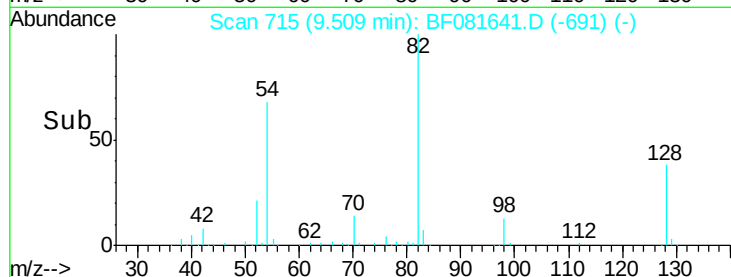
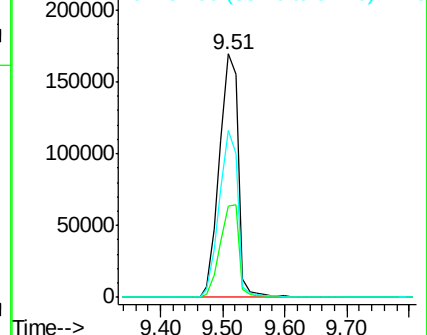
54 68.3 47.5 71.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

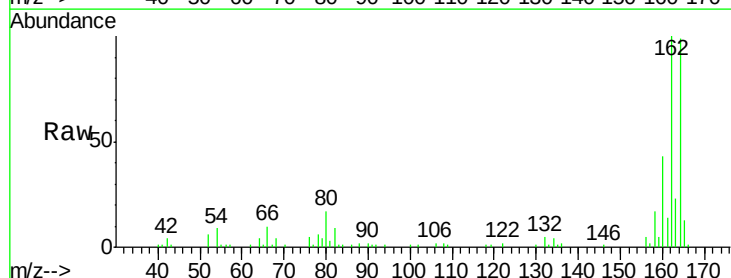
Tgt Ion: 164 Resp: 78343

Ion Ratio Lower Upper

164 100

162 100.9 75.2 112.8

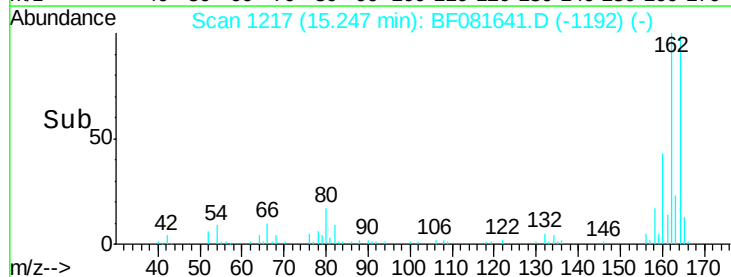
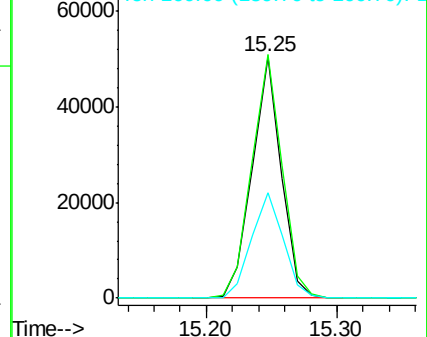
160 43.7 31.5 47.3

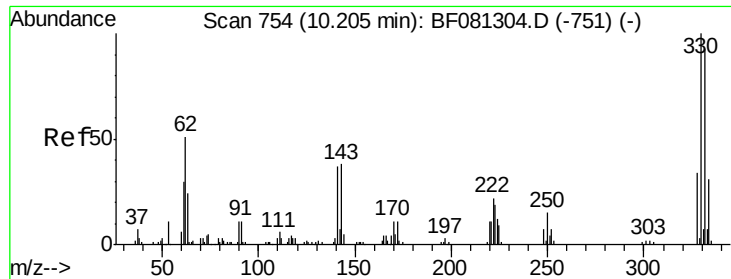


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

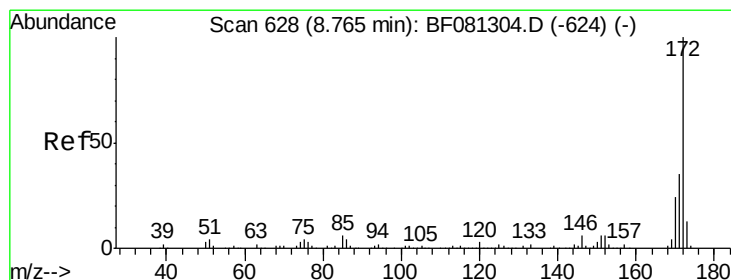
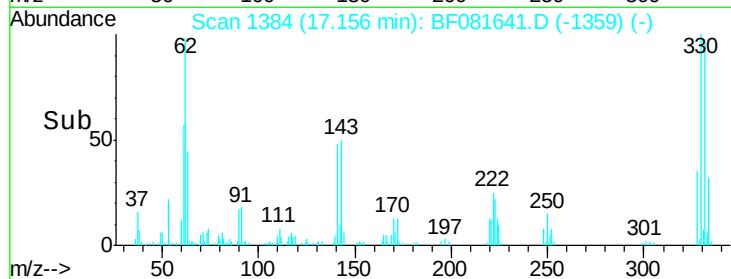
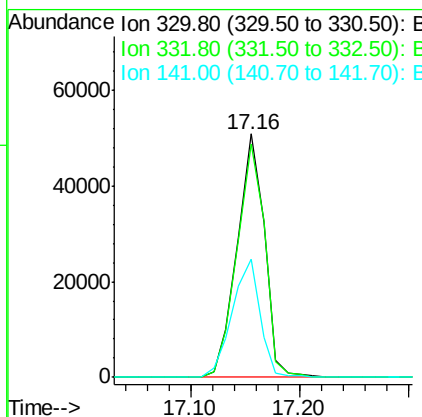
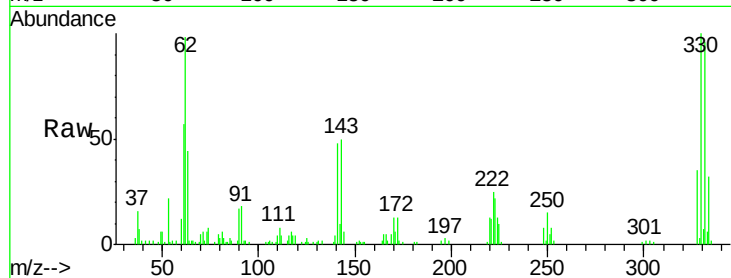




#41
 2,4,6-Tribromophenol
 Concen: 127.17 ng
 RT: 17.16 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

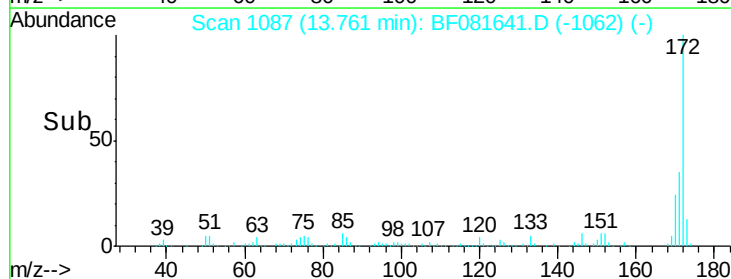
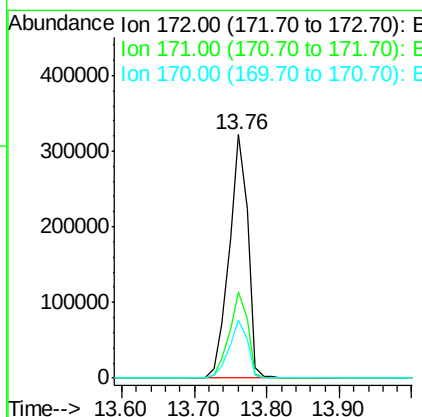
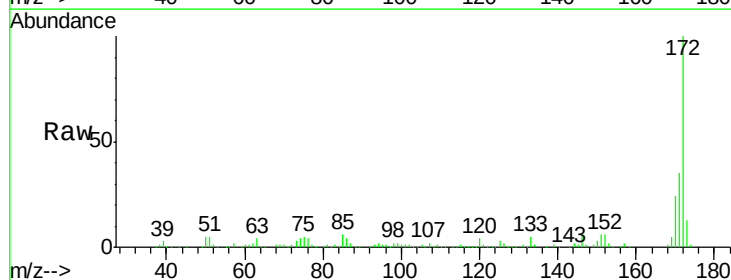
Instrument :
 BNA_F
 ClientSampleId :
 WC-9-14-15-SOIL

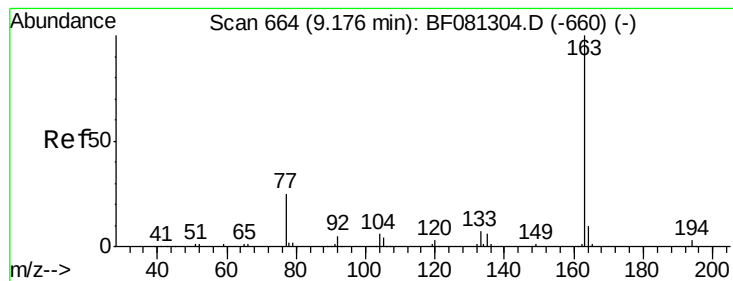
Tgt Ion:330 Resp: 88713
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 49.4 29.7 44.5#



#44
 2-Fluorobiphenyl
 Concen: 94.15 ng
 RT: 13.76 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BF081641.D
 Acq: 15 Sep 2015 22:15

Tgt Ion:172 Resp: 575595
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 23.9 17.4 26.2





#49

Dimethylphthalate

Concen: 11.74 ng

RT: 14.81 min Scan# 1179

Delta R.T. -0.05 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

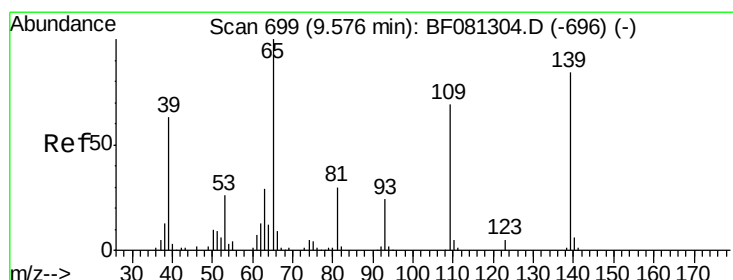
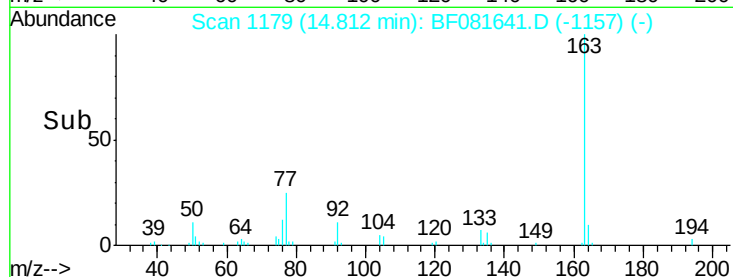
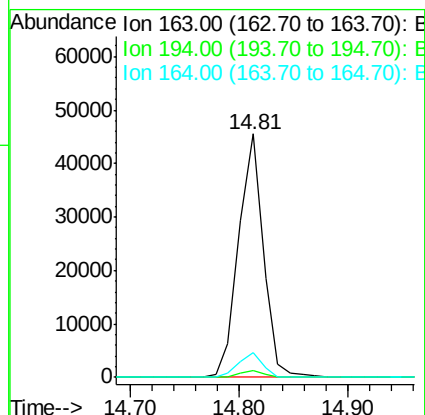
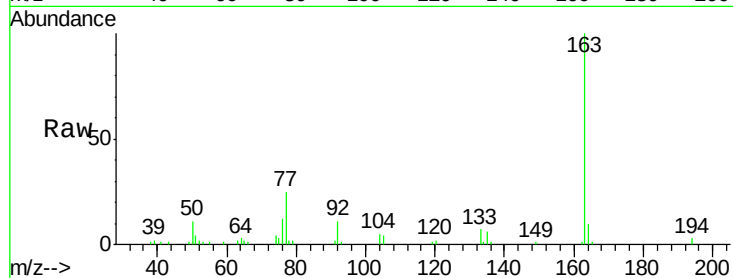
Tgt Ion:163 Resp: 71469

Ion Ratio Lower Upper

163 100

194 3.0 4.4 6.6#

164 10.0 8.3 12.5



#55

4-Nitrophenol

Concen: 3.06 ng

RT: 15.75 min Scan# 1261

Delta R.T. -0.17 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

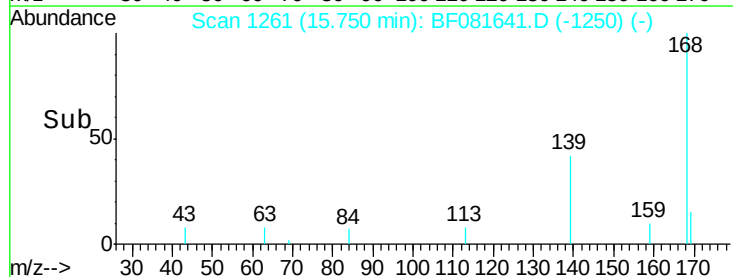
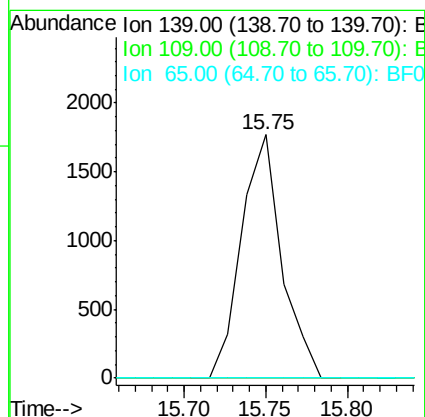
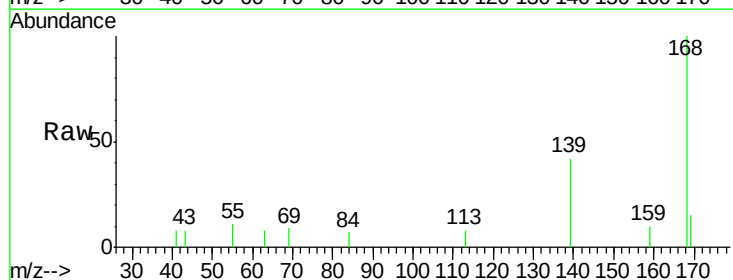
Tgt Ion:139 Resp: 3020

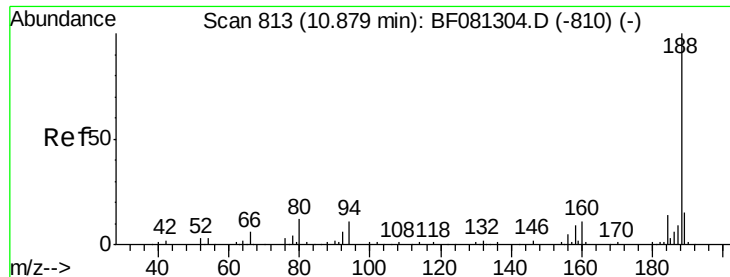
Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

65 0.0 45.9 85.9#

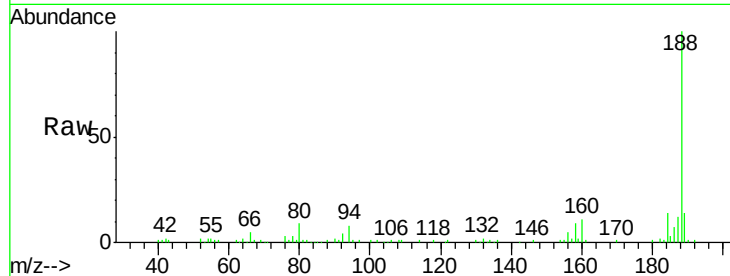




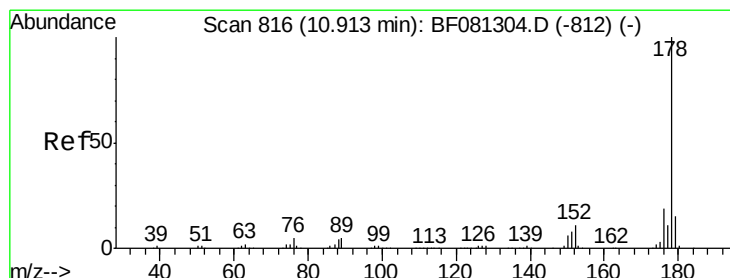
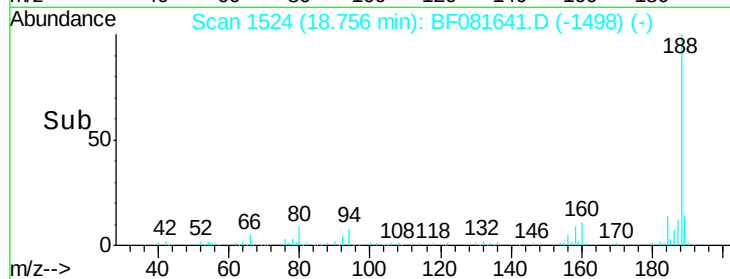
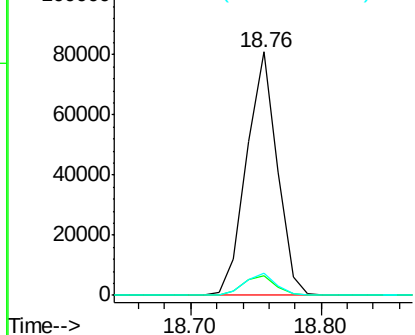
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.76 min Scan# 1524
Delta R.T. 0.00 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

Tgt Ion:188 Resp: 132259
Ion Ratio Lower Upper
188 100
94 8.1 11.1 16.7#
80 9.3 11.0 16.4#

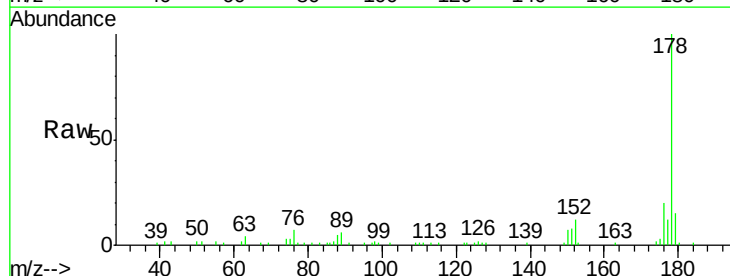


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

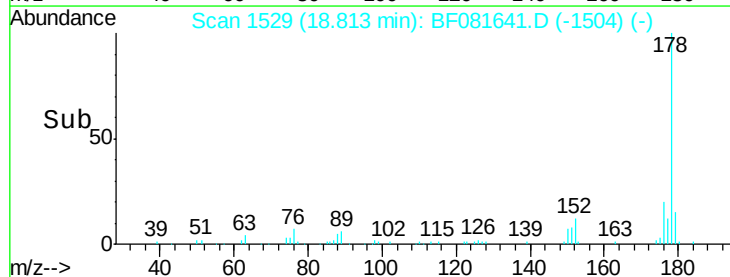
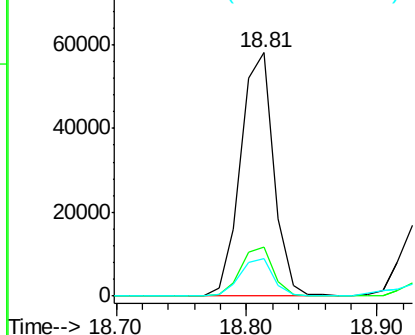


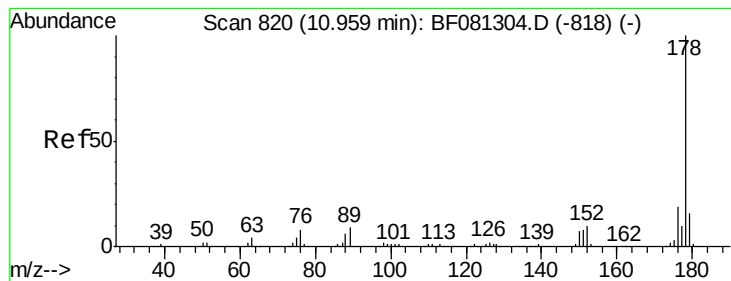
#70
Phenanthrene
Concen: 13.97 ng
RT: 18.81 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Tgt Ion:178 Resp: 102694
Ion Ratio Lower Upper
178 100
176 19.9 13.8 20.8
179 15.3 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: 3.99 ng

RT: 18.93 min Scan# 1539

Delta R.T. -0.02 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

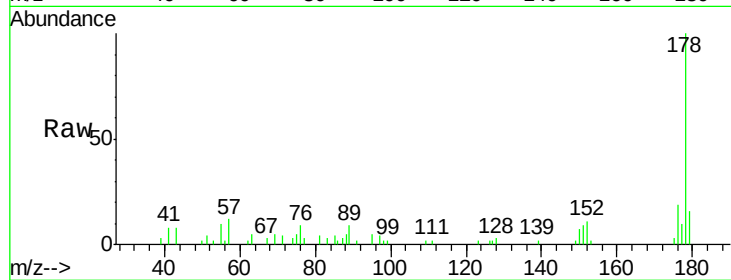
Tgt Ion:178 Resp: 30145

Ion Ratio Lower Upper

178 100

176 18.9 14.1 21.1

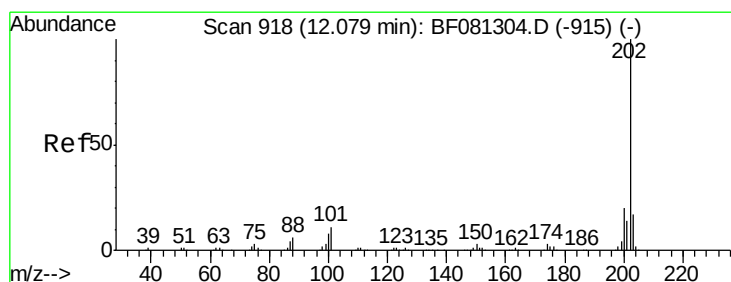
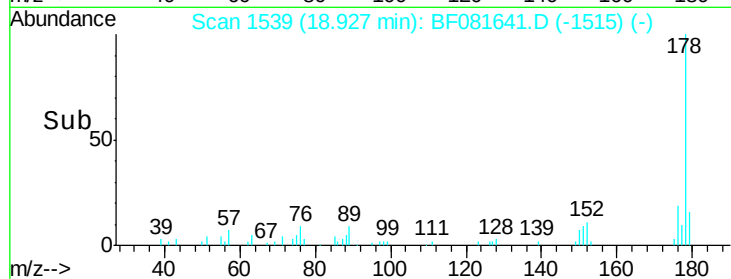
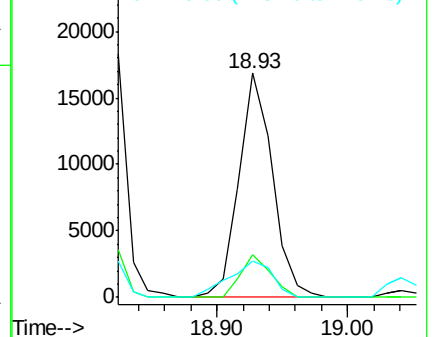
179 16.4 12.2 18.2



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



#74

Fluoranthene

Concen: 15.71 ng

RT: 21.43 min Scan# 1758

Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

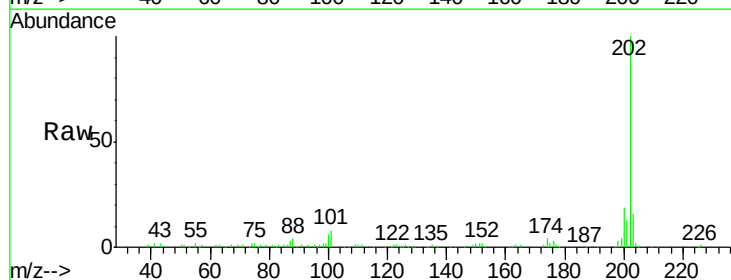
Tgt Ion:202 Resp: 125056

Ion Ratio Lower Upper

202 100

101 7.7 0.0 38.3

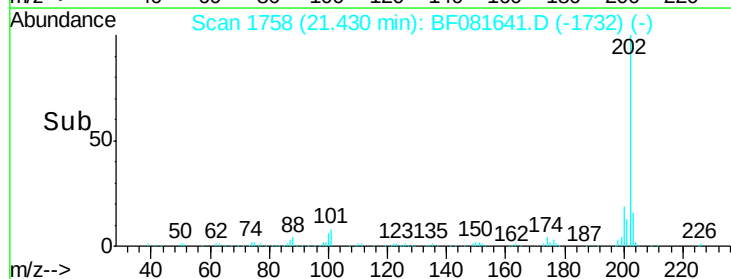
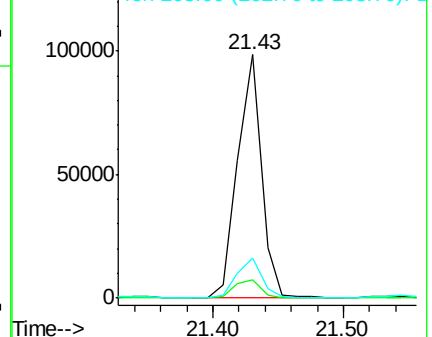
203 16.4 0.0 37.3

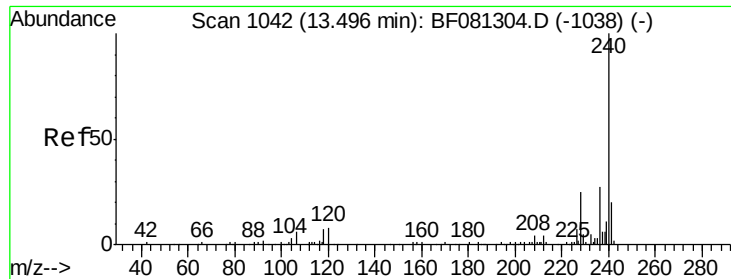


Abundance Ion 202.00 (201.70 to 202.70): E

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: 23.38 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

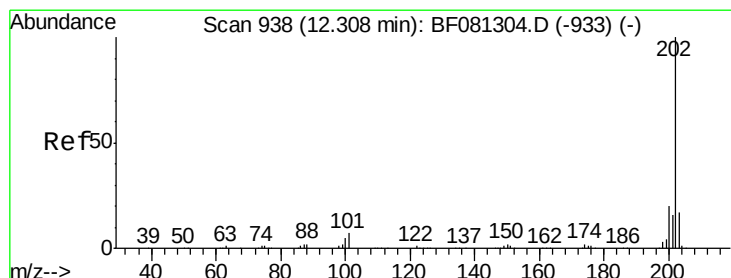
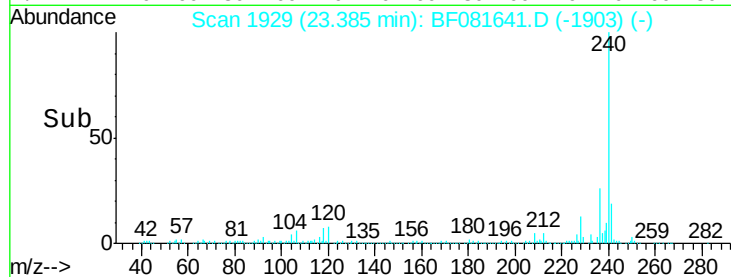
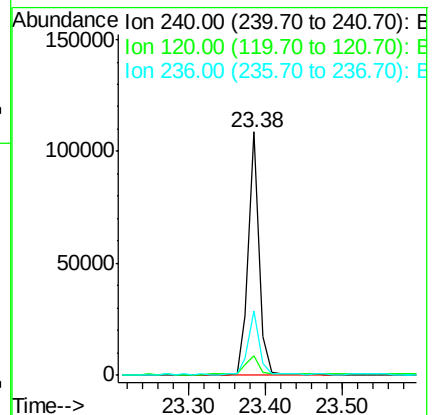
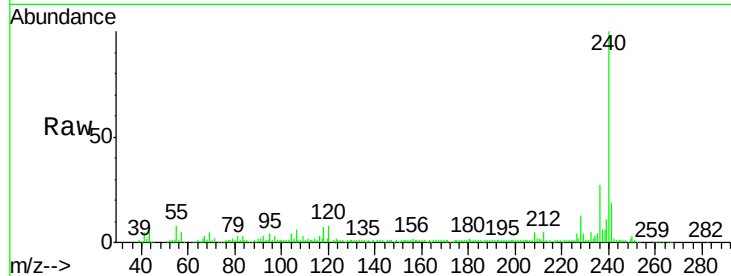
Tgt Ion:240 Resp: 108461

Ion Ratio Lower Upper

240 100

120 8.2 16.2 24.2#

236 26.6 18.4 27.6



#77

Pyrene

Concen: 15.90 ng

RT: 21.77 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

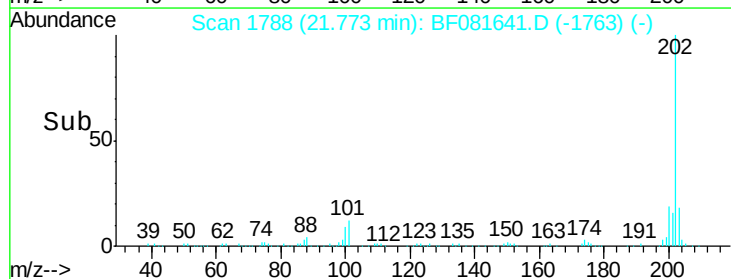
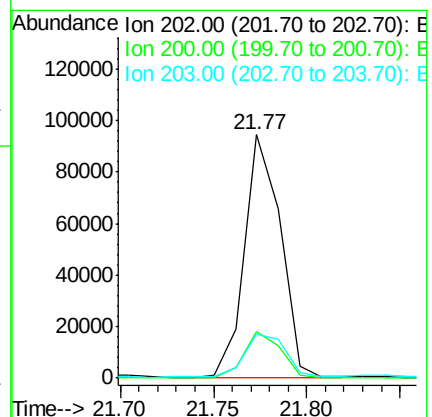
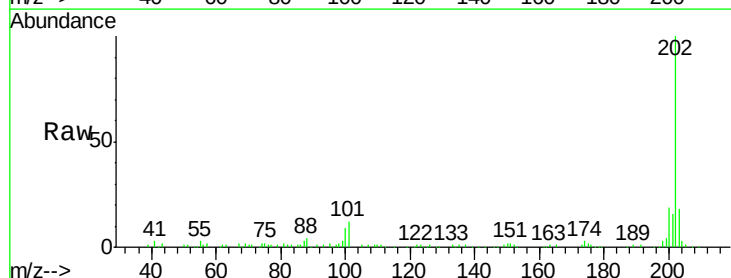
Tgt Ion:202 Resp: 127766

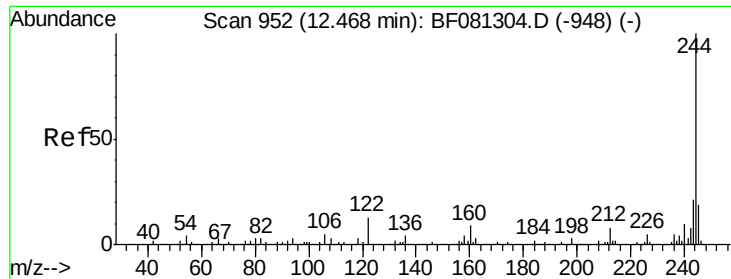
Ion Ratio Lower Upper

202 100

200 19.2 15.0 22.4

203 18.2 14.1 21.1





#78

Terphenyl-d14

Concen: 84.69 ng

RT: 22.12 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

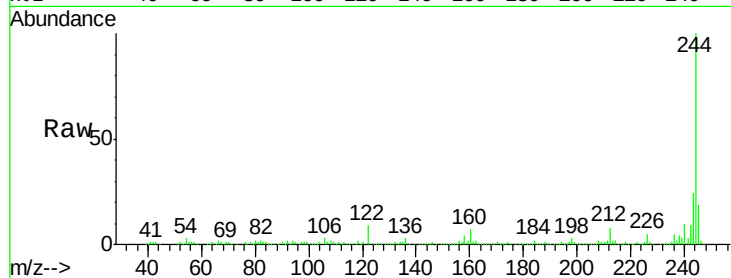
Tgt Ion:244 Resp: 394619

Ion Ratio Lower Upper

244 100

212 7.8 4.3 6.5#

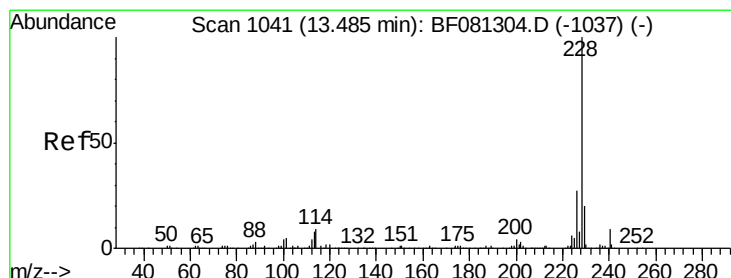
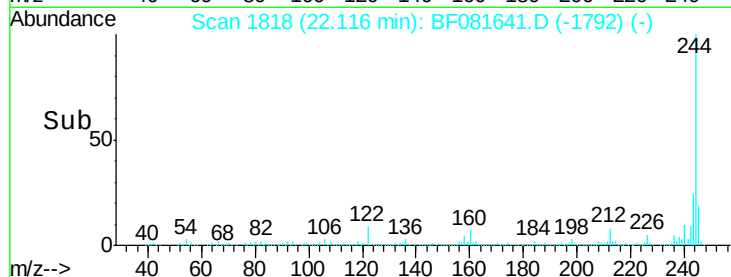
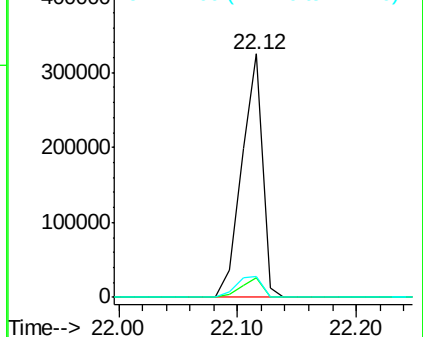
122 8.5 17.4 26.2#



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: 8.18 ng

RT: 23.37 min Scan# 1928

Delta R.T. 0.00 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

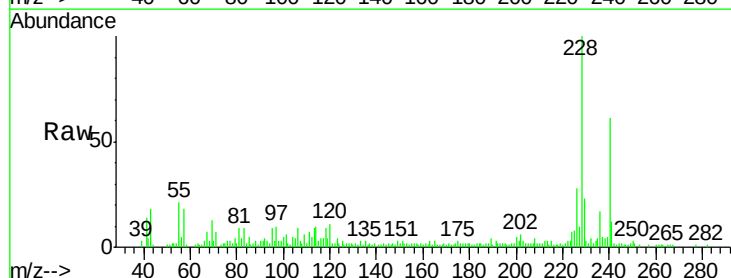
Tgt Ion:228 Resp: 56490

Ion Ratio Lower Upper

228 100

226 28.5 20.0 30.0

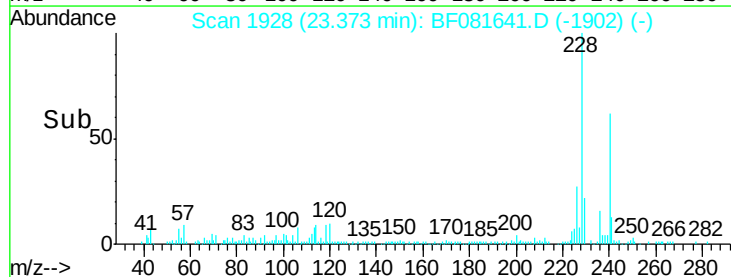
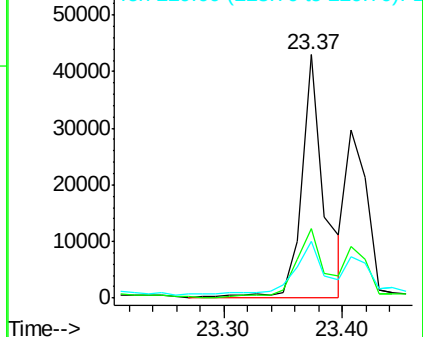
229 23.5 15.4 23.2#

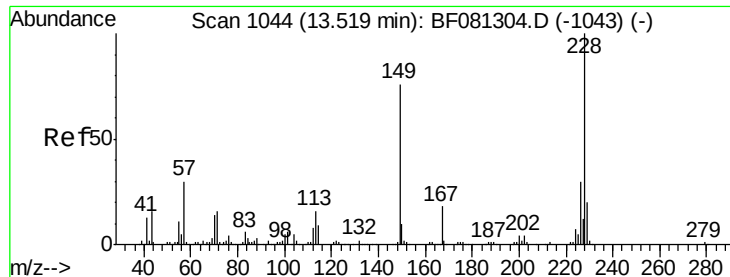


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.85 ng

RT: 23.41 min Scan# 1931

Delta R.T. -0.01 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

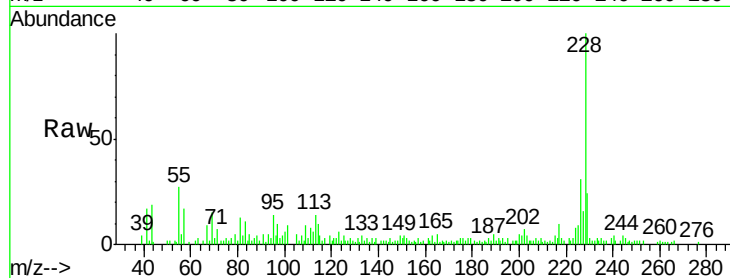
Tgt Ion:228 Resp: 36242

Ion Ratio Lower Upper

228 100

226 31.0 21.0 31.4

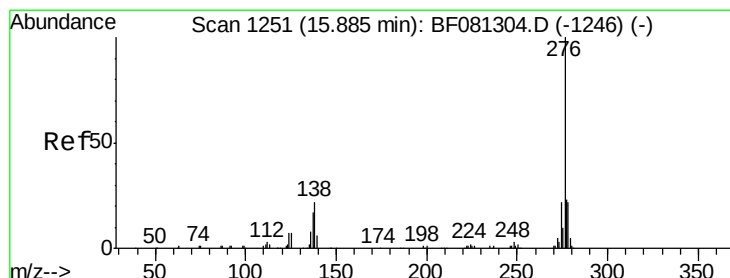
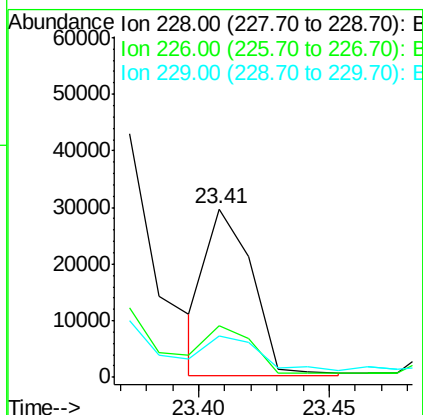
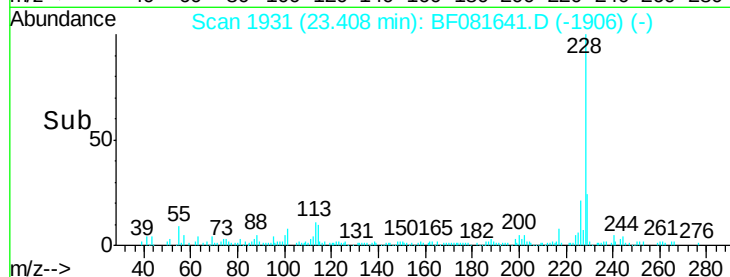
229 24.2 15.6 23.4#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.54 ng

RT: 25.89 min Scan# 2148

Delta R.T. 0.01 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

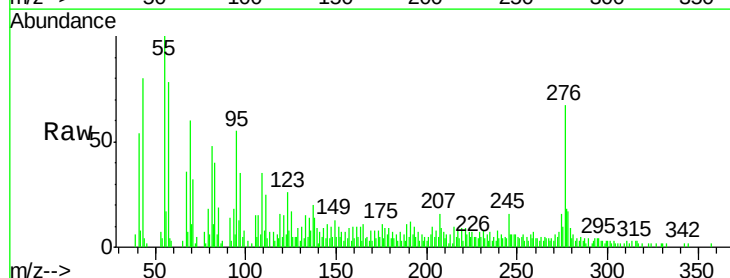
Tgt Ion:276 Resp: 16085

Ion Ratio Lower Upper

276 100

138 22.2 25.7 38.5#

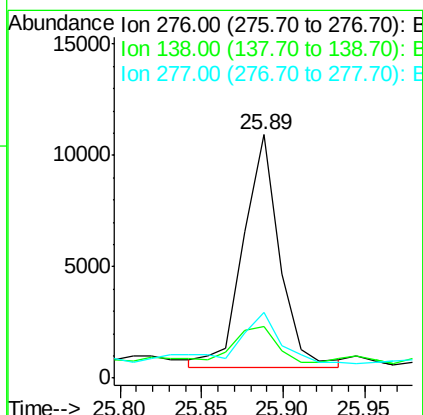
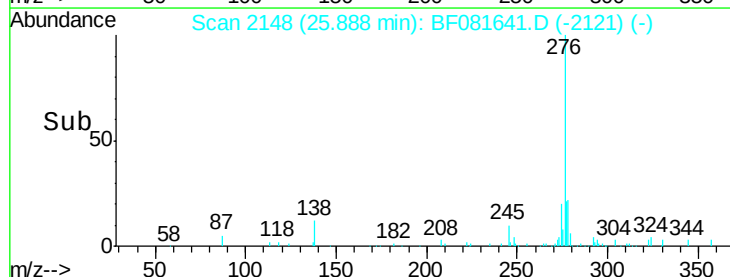
277 29.6 15.6 23.4#

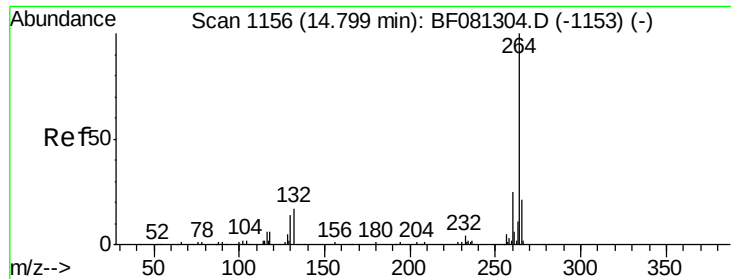


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

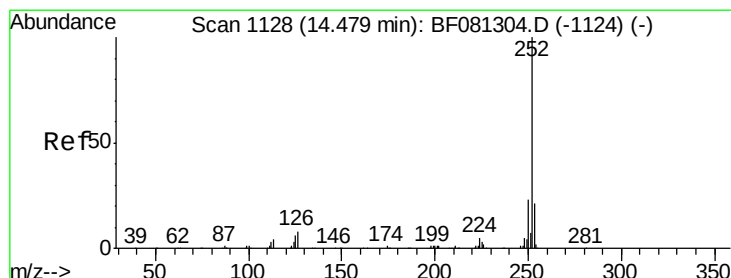
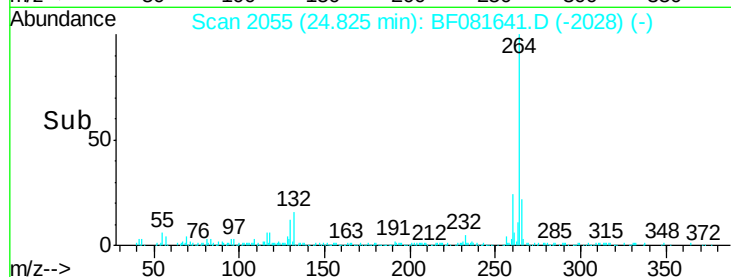
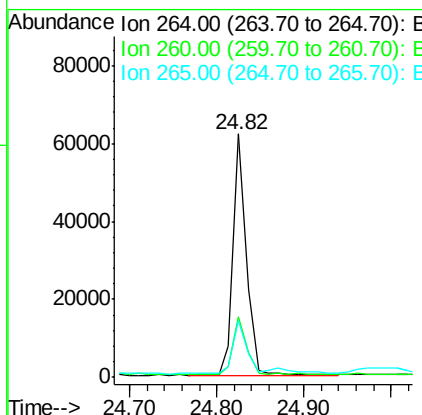
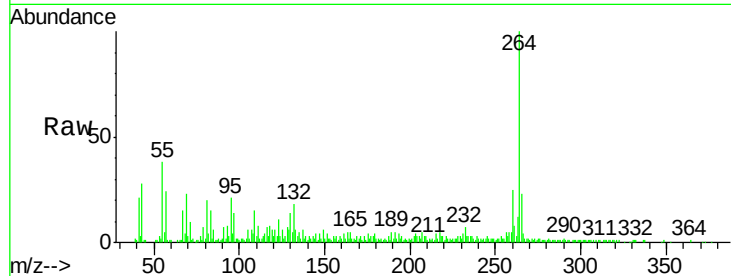




#86
Perylene-d12
Concen: 20.00 ng
RT: 24.82 min Scan# 2055
Delta R.T. 0.01 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

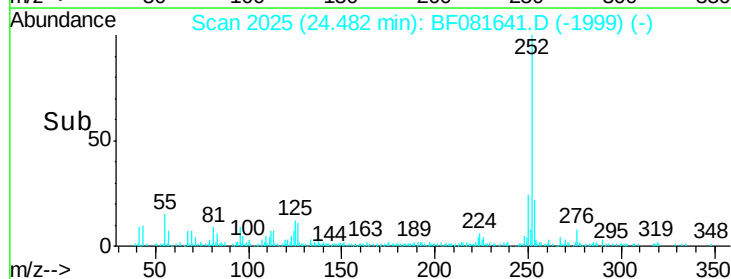
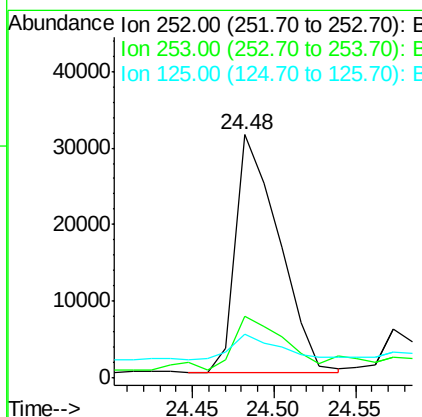
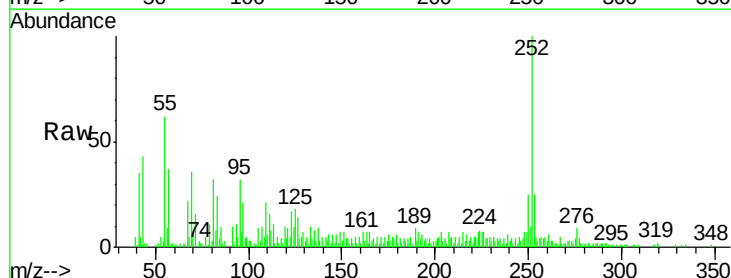
Instrument :
BNA_F
ClientSampleId :
WC-9-14-15-SOIL

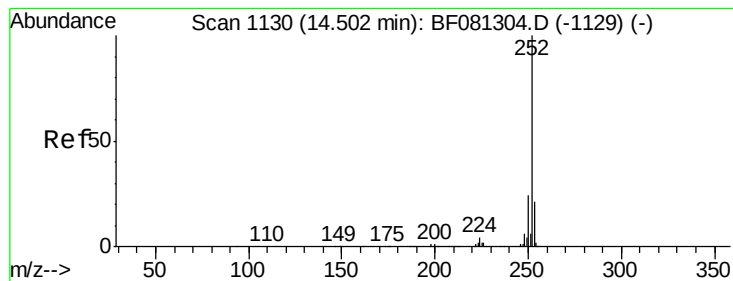
Tgt Ion:264 Resp: 65533
Ion Ratio Lower Upper
264 100
260 24.9 16.7 25.1
265 23.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 12.12 ng
RT: 24.48 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF081641.D
Acq: 15 Sep 2015 22:15

Tgt Ion:252 Resp: 56703
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 18.1 17.1 25.7





#88

Benzo(k)fluoranthene

Concen: 14.61 ng

RT: 24.48 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL

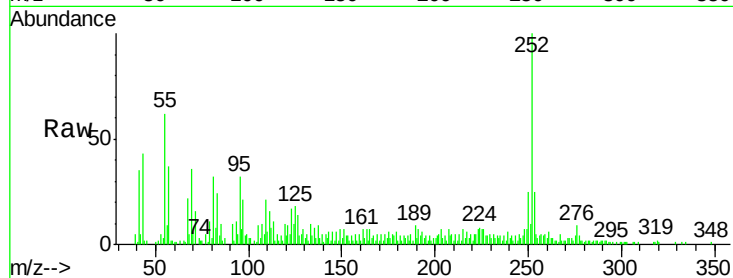
Tgt Ion:252 Resp: 56703

Ion Ratio Lower Upper

252 100

253 25.2 17.0 25.4

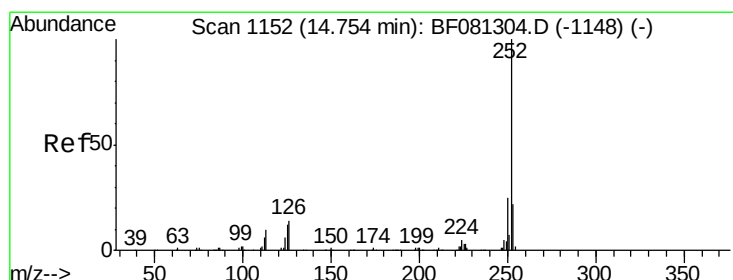
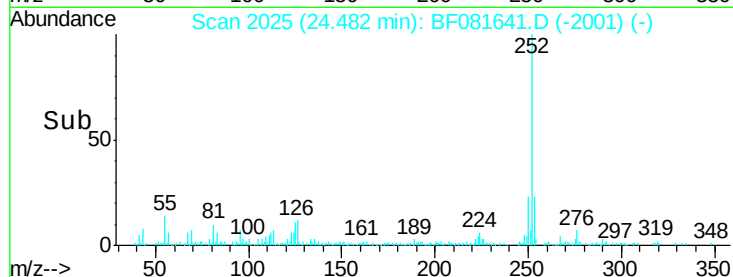
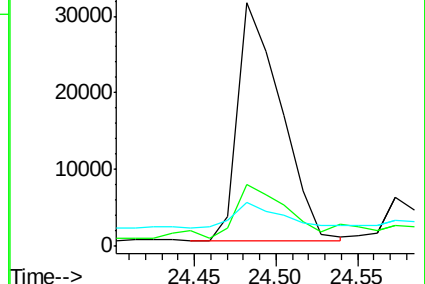
125 18.1 16.0 24.0



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: 7.93 ng

RT: 24.78 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BF081641.D

Acq: 15 Sep 2015 22:15

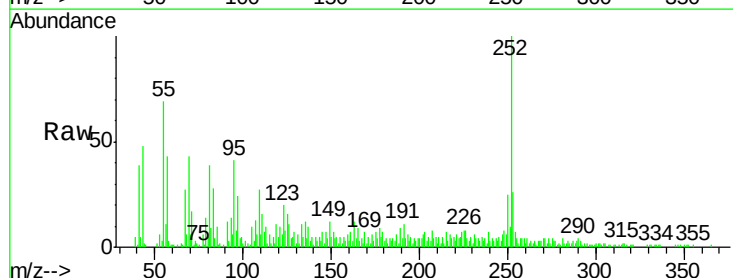
Tgt Ion:252 Resp: 31437

Ion Ratio Lower Upper

252 100

253 25.8 17.2 25.8#

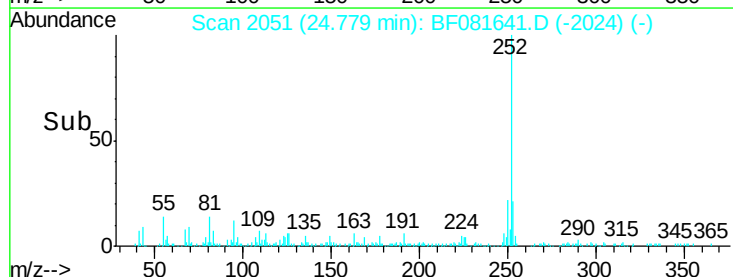
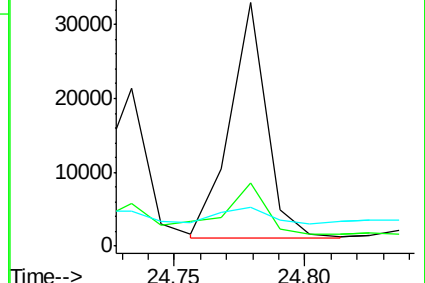
125 16.0 18.0 27.0#

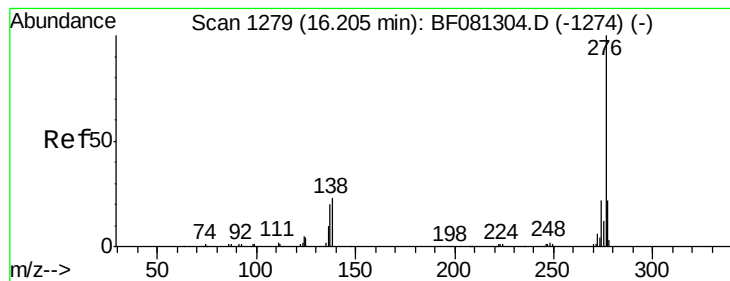


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.62 ng

RT: 26.20 min Scan# 2175

Delta R.T. 0.02 min

Lab File: BF081641.D

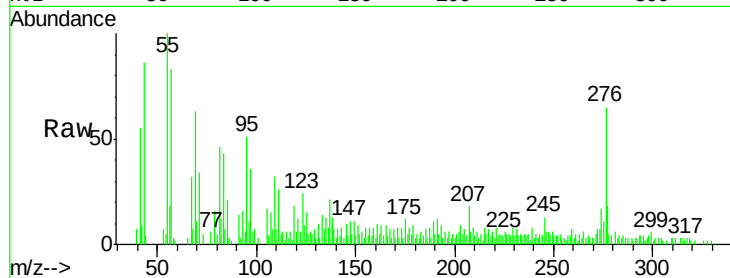
Acq: 15 Sep 2015 22:15

Instrument :

BNA_F

ClientSampleId :

WC-9-14-15-SOIL



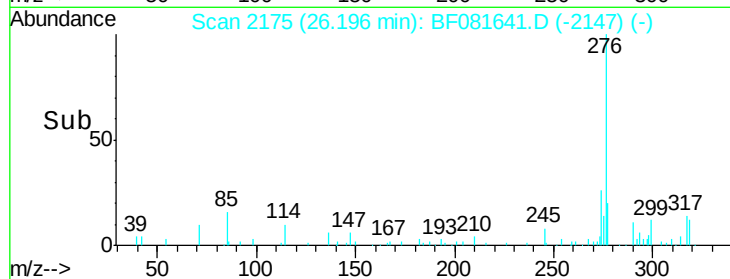
Tgt Ion: 276 Resp: 16436

Ion Ratio Lower Upper

276 100

277 27.4 17.8 26.6#

138 20.1 34.6 51.8#



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

