

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
 Data File : BF083180.D
 Acq On : 23 Nov 2015 1:35
 Operator : UM/IZ
 Sample : G4512-01
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

Quant Time: Nov 23 06:10:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

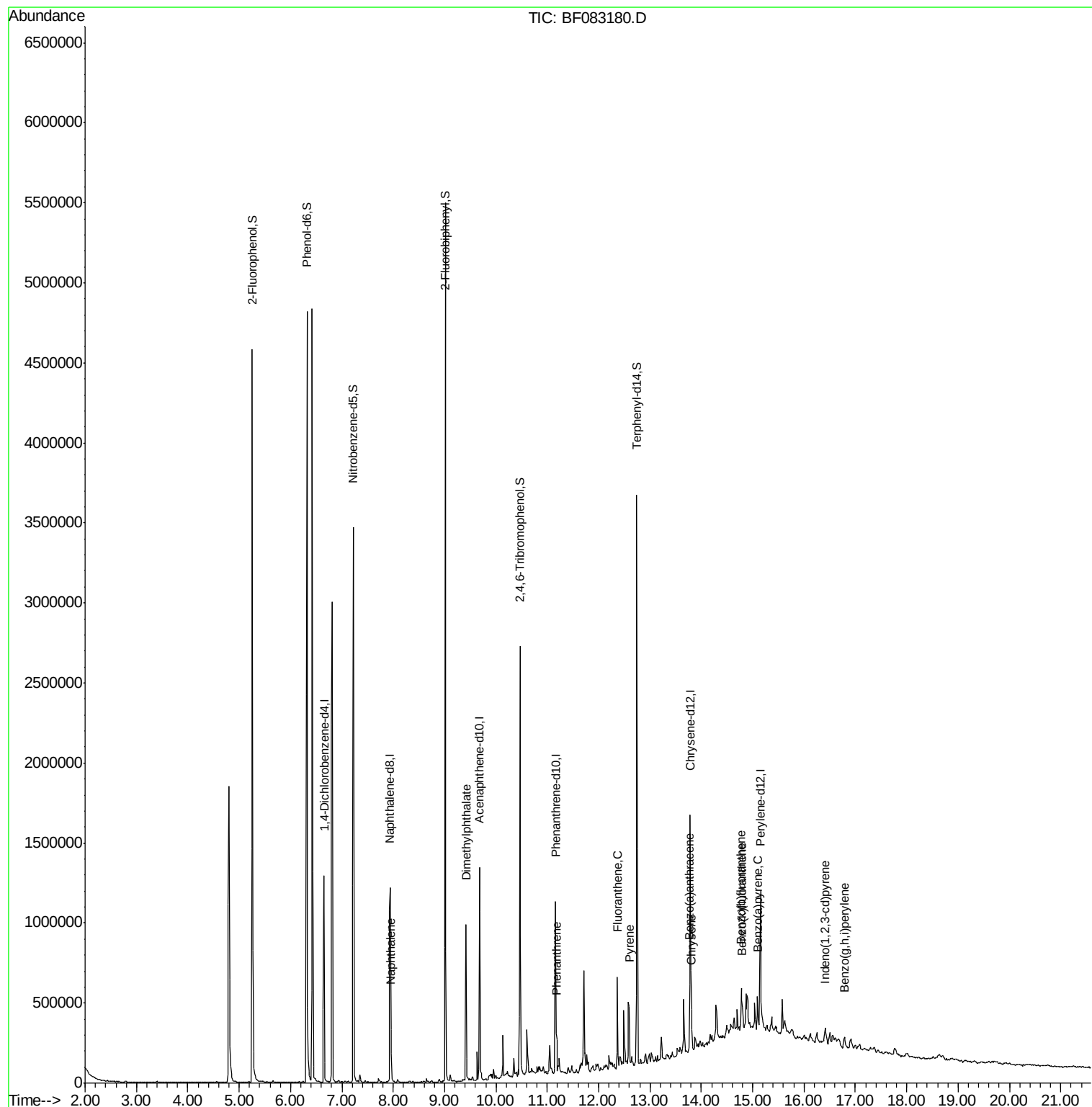
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	210027	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	775108	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	361298	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	602541	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	474715	20.00	ng	-0.02
86) Perylene-d12	15.15	264	432809	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1368058	98.48	ng	-0.02
7) Phenol-d6	6.32	99	1915670	106.58	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1223875	72.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	303718	82.17	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	1614643	62.32	ng	-0.01
78) Terphenyl-d14	12.74	244	1208868	59.97	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.95	128	154904	3.70	ng	99
49) Dimethylphthalate	9.42	163	356750	12.83	ng	99
70) Phenanthrene	11.19	178	120535	3.47	ng	96
74) Fluoranthene	12.36	202	225138	6.34	ng	97
77) Pyrene	12.59	202	221122	6.82	ng	97
80) Benzo(a)anthracene	13.77	228	122032m	4.16	ng	
82) Chrysene	13.81	228	94137	3.46	ng	96
85) Indeno(1,2,3-cd)pyrene	16.41	276	56420	2.28	ng	96
87) Benzo(b)fluoranthene	14.78	252	118260m	4.00	ng	
88) Benzo(k)fluoranthene	14.79	252	52682m	2.39	ng	
89) Benzo(a)pyrene	15.10	252	88284	3.62	ng	# 94
91) Benzo(a,h,i)perylene	16.79	276	54474	2.52	ng	# 94

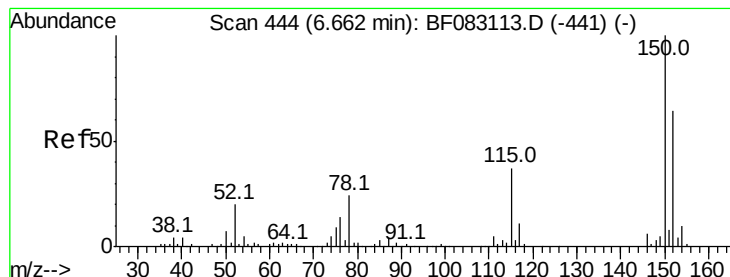
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 06:10:48 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
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QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

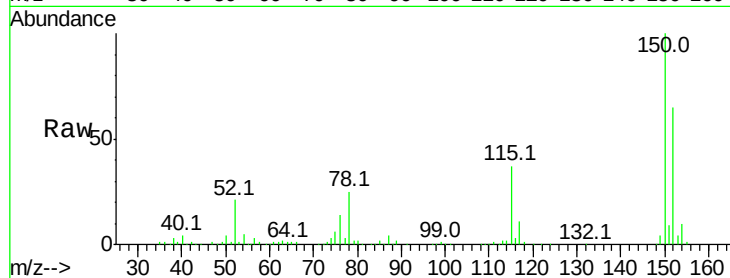
Tot Ion:152 Resp: 210027

Ion Ratio Lower Upper

152 100

150 154.8 125.8 188.8

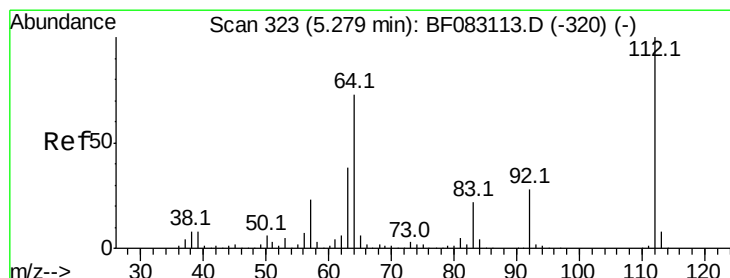
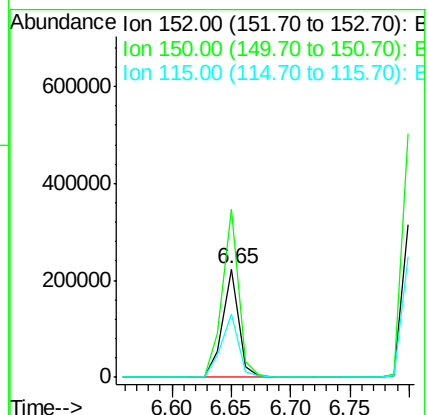
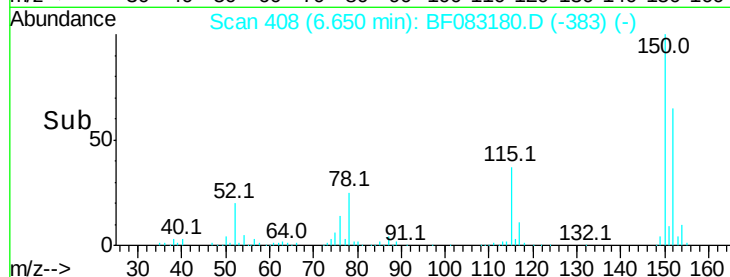
115 58.0 46.9 70.3



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: 98.48 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

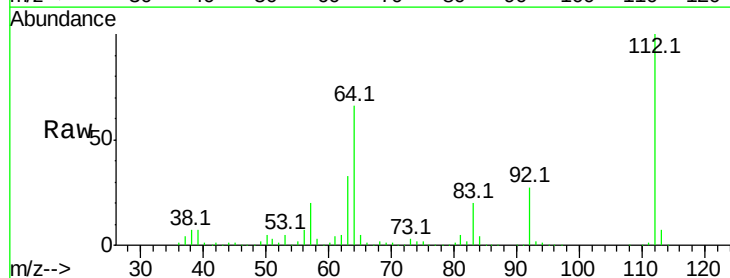
Tgt Ion:112 Resp: 1368058

Ion Ratio Lower Upper

112 100

64 66.4 58.4 87.6

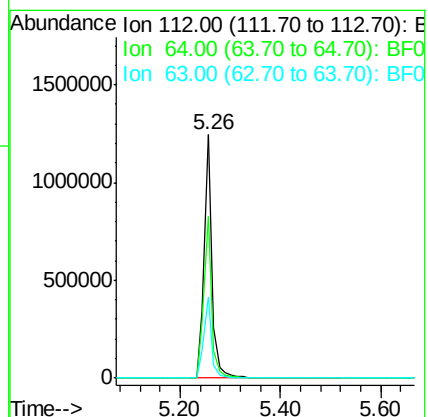
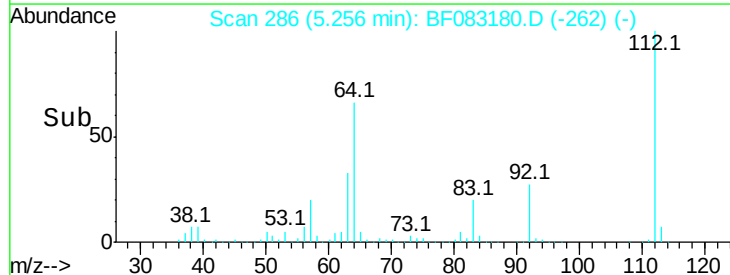
63 33.2 30.0 45.0

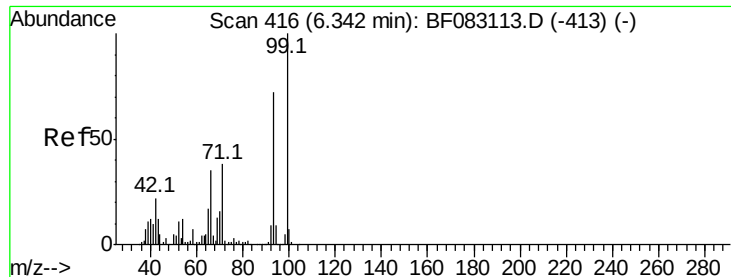


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.58 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

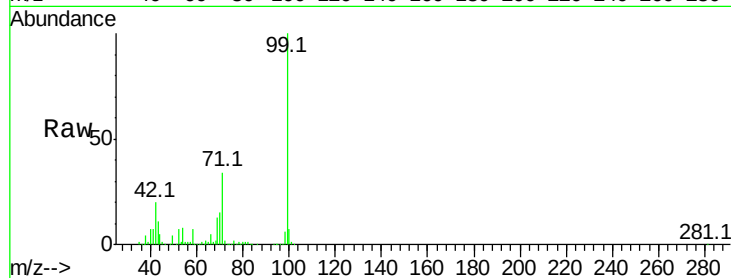
Tot Ion: 99 Resp: 1915670

Ion Ratio Lower Upper

99 100

42 19.6 17.7 26.5

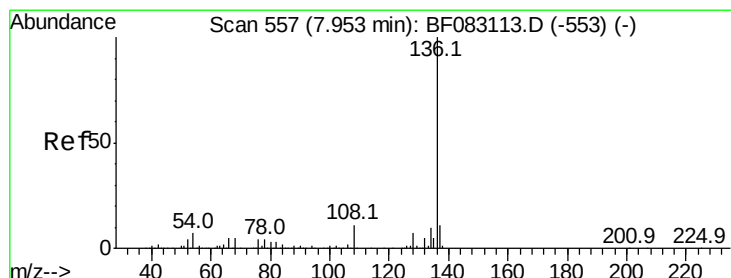
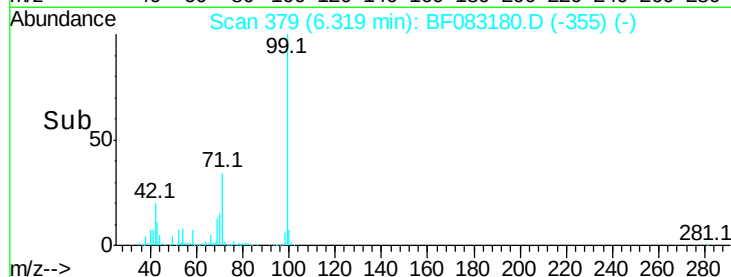
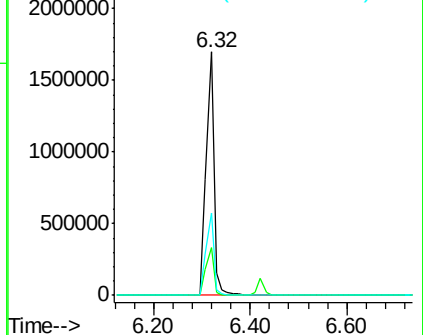
71 33.8 30.2 45.4



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: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Tgt Ion: 136 Resp: 775108

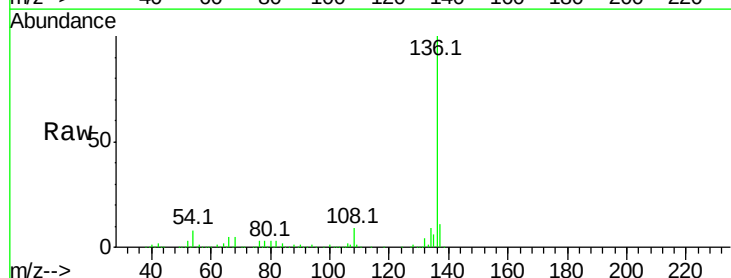
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 7.5 5.8 8.6

68 5.2 3.8 5.8

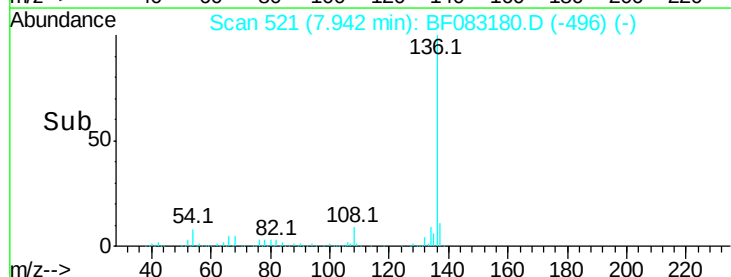
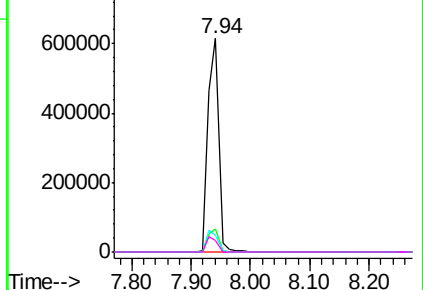


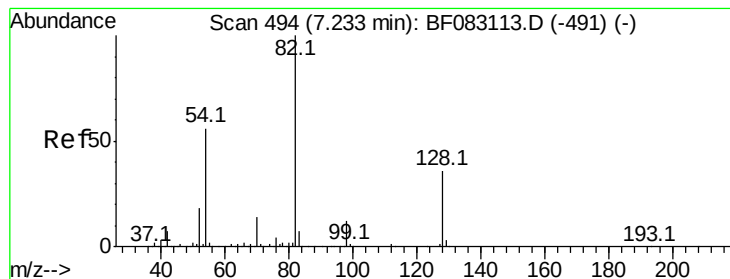
Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.15 ng

RT: 7.22 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

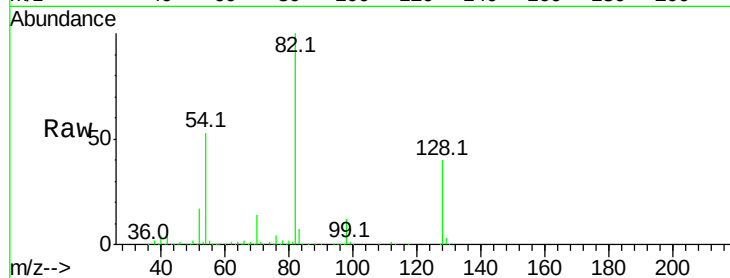
Tot Ion: 82 Resp: 1223875

Ion Ratio Lower Upper

82 100

128 40.0 28.5 42.7

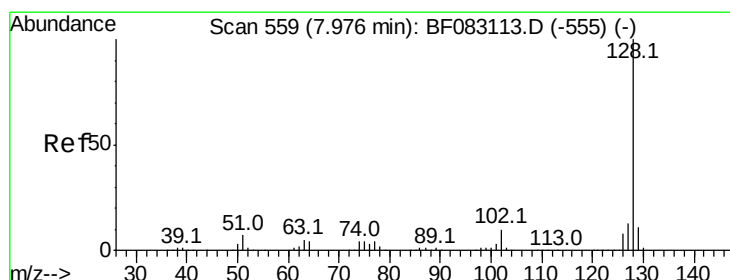
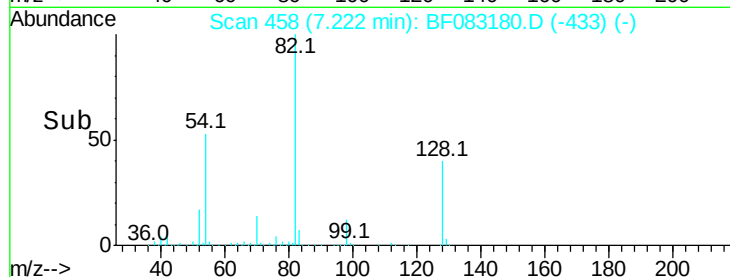
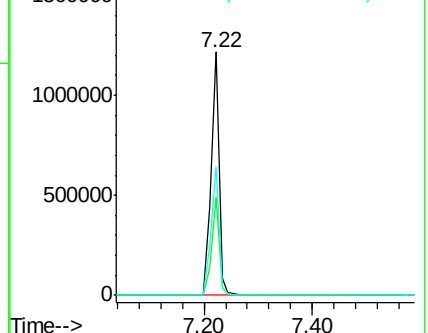
54 52.8 44.6 67.0



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



#31

Naphthalene

Concen: 3.70 ng

RT: 7.95 min Scan# 522

Delta R.T. -0.02 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

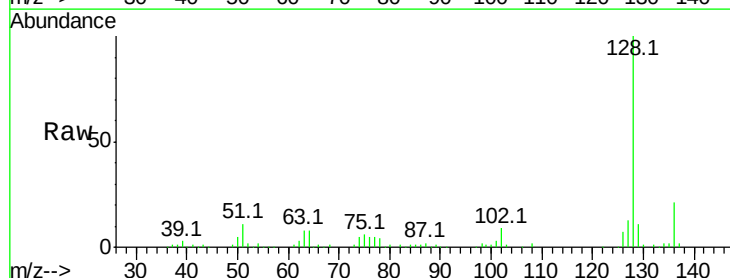
Tgt Ion:128 Resp: 154904

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

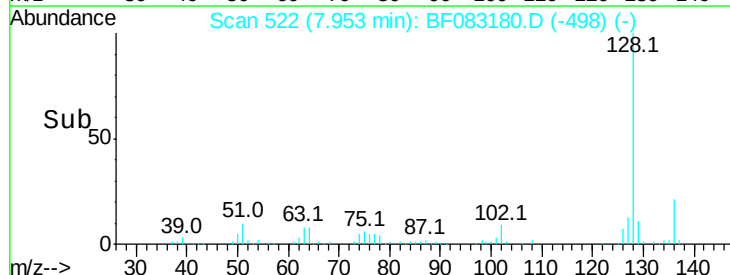
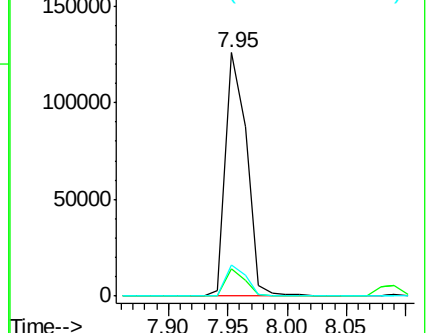
127 13.0 10.6 15.8

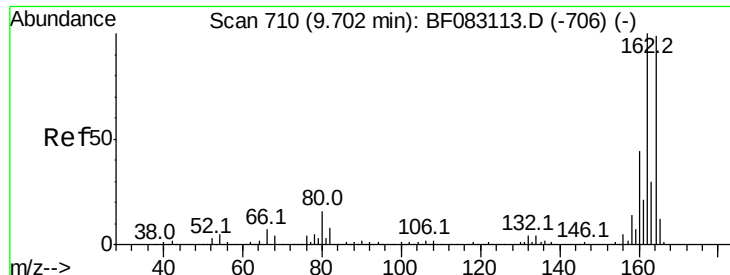


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

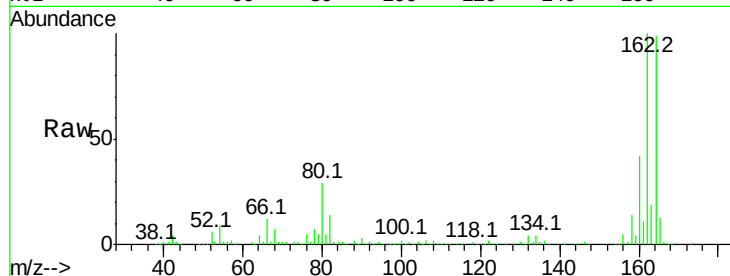




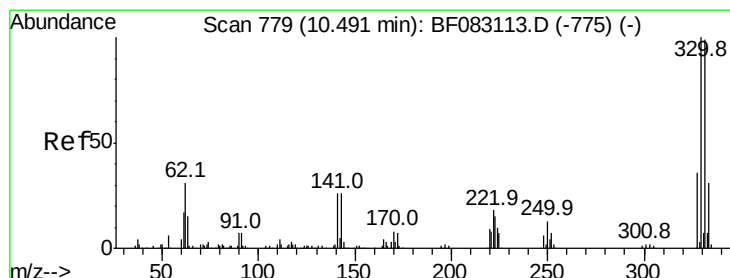
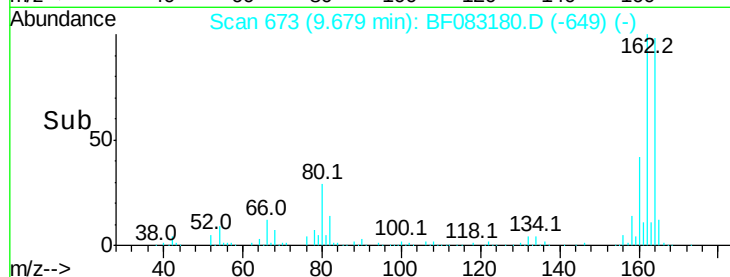
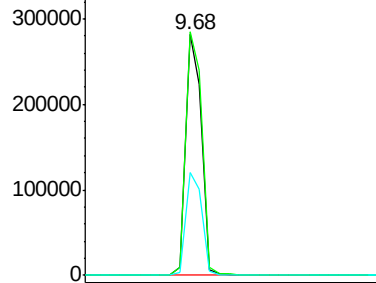
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.2	121.8
160	42.6	35.6	53.4

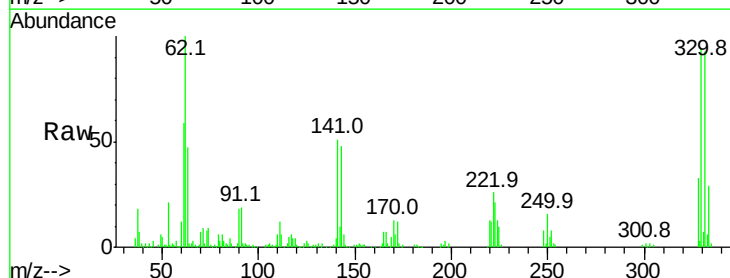


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

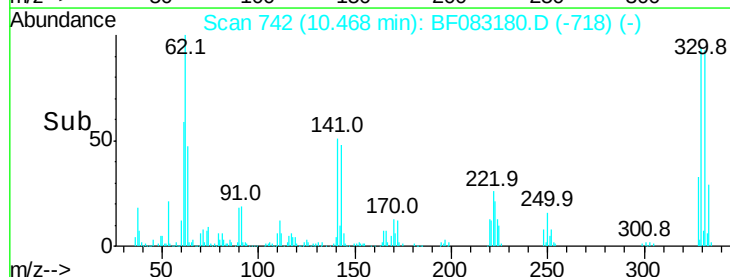
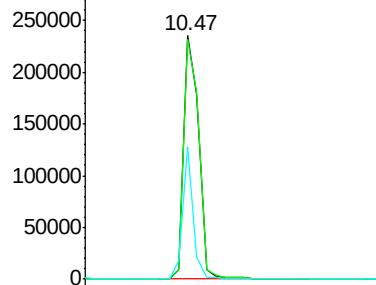


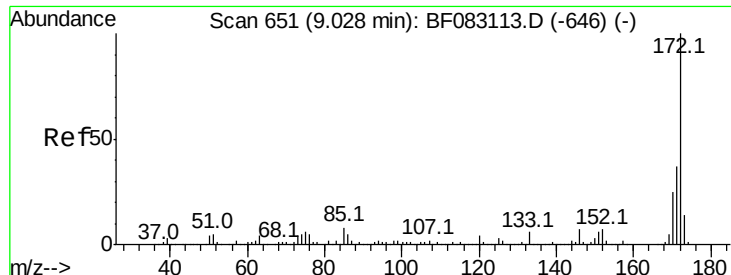
#41
 2,4,6-Tribromophenol
 Concen: 82.17 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.7	116.5
141	39.7	29.7	44.5



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



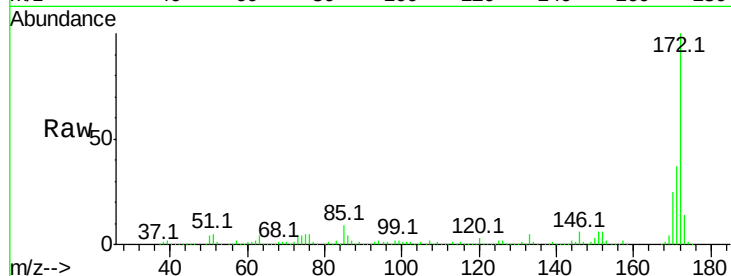


#44
 2-Fluorobiphenyl
 Concen: 62.32 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

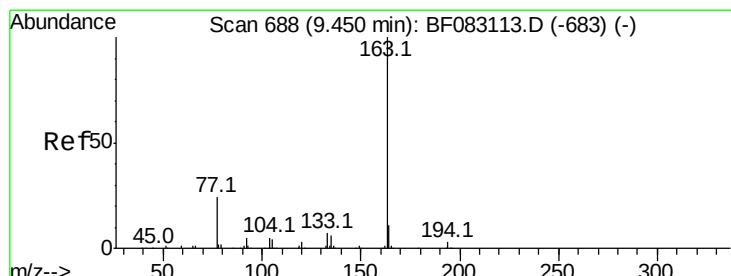
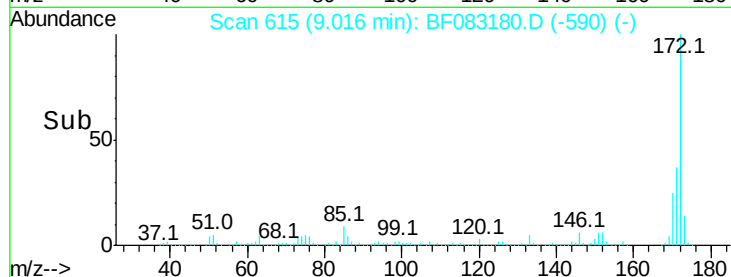
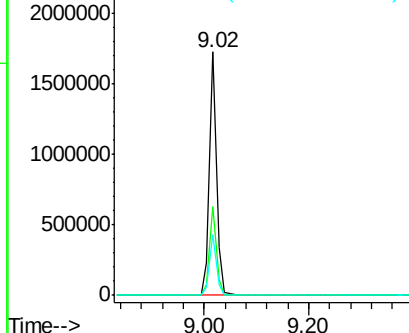
Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

Tot Ion:172 Resp: 1614643

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.5	44.3
170	24.7	19.9	29.9



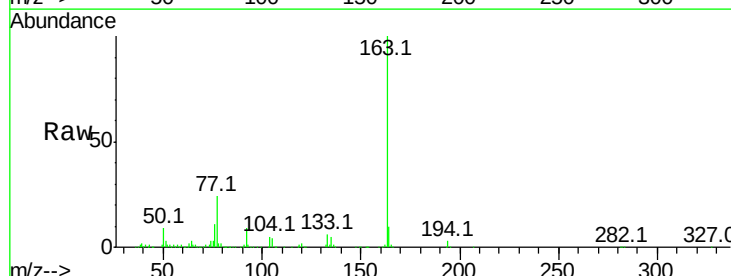
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



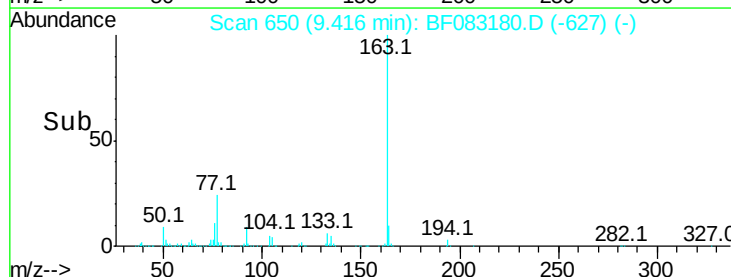
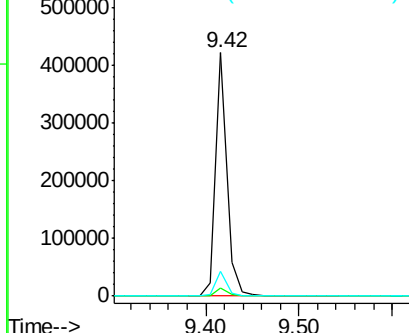
#49
 Dimethylphthalate
 Concen: 12.83 ng
 RT: 9.42 min Scan# 650
 Delta R.T. -0.03 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

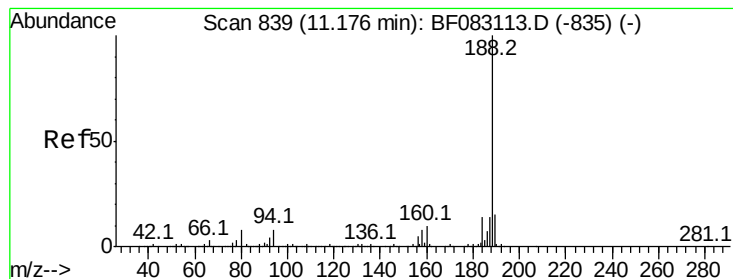
Tgt Ion:163 Resp: 356750

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.3	8.6	12.8



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

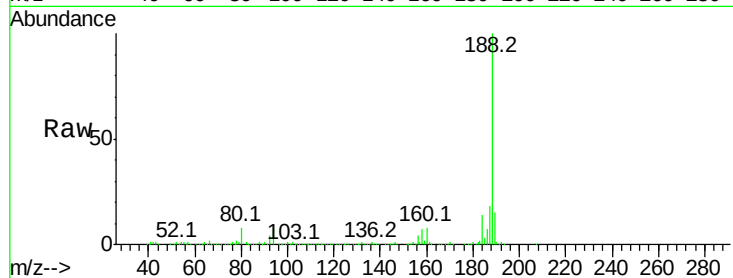
Tot Ion:188 Resp: 602541

Ion Ratio Lower Upper

188 100

94 7.0 6.0 9.0

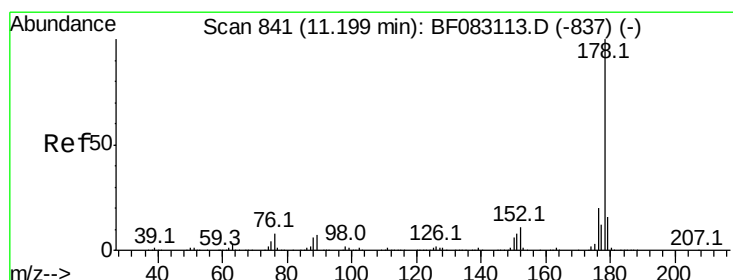
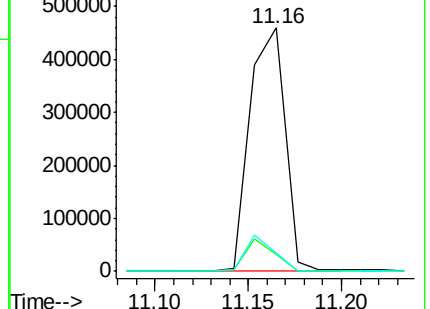
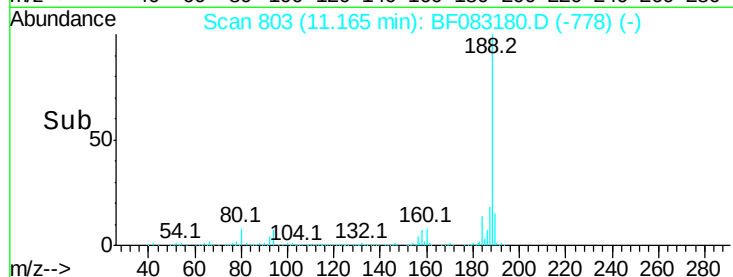
80 7.6 6.7 10.1



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: 3.47 ng

RT: 11.19 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

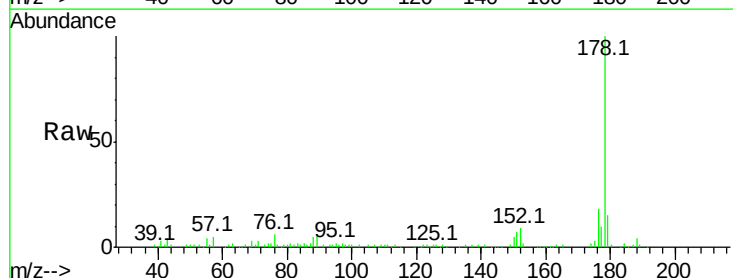
Tgt Ion:178 Resp: 120535

Ion Ratio Lower Upper

178 100

176 17.9 16.2 24.2

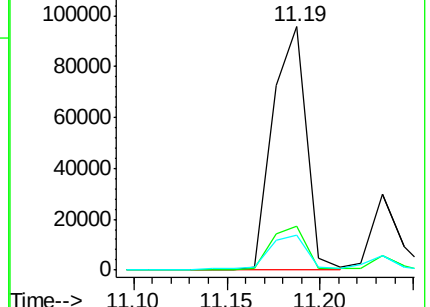
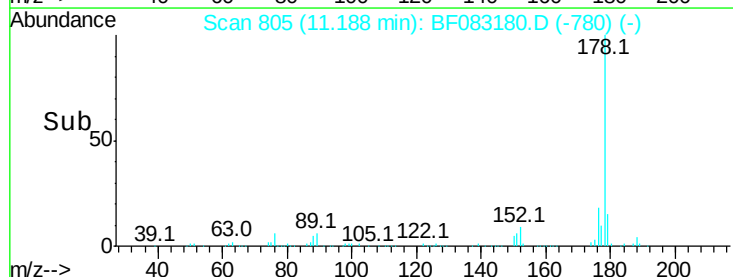
179 14.6 12.8 19.2

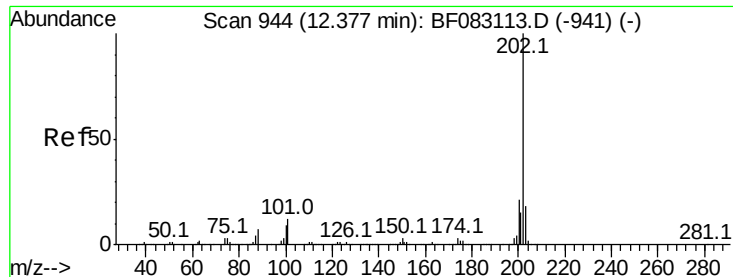


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

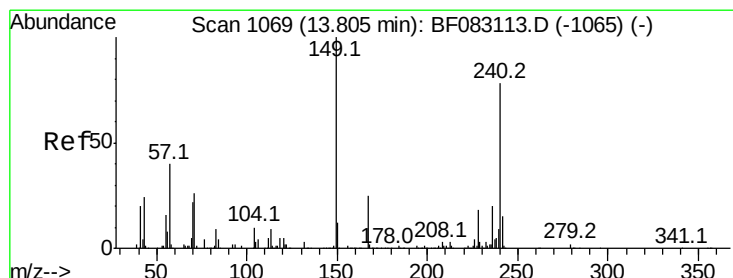
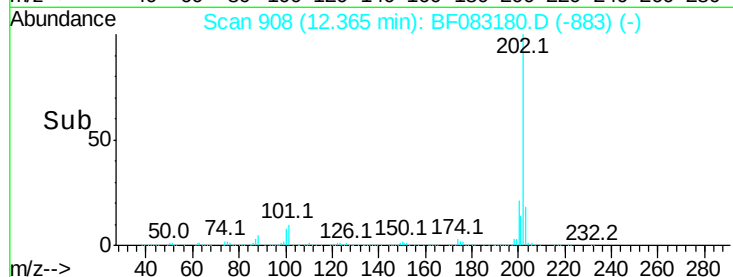
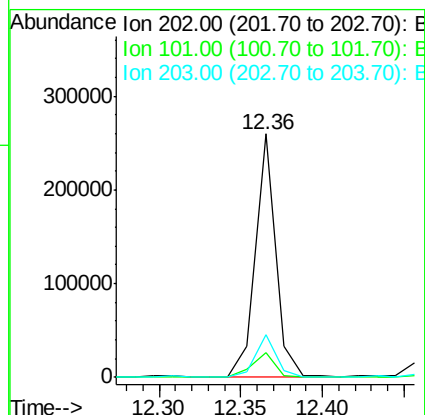
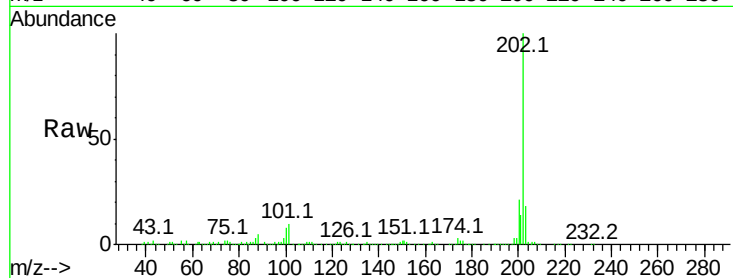




#74
 Fluoranthene
 Concen: 6.34 ng
 RT: 12.36 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

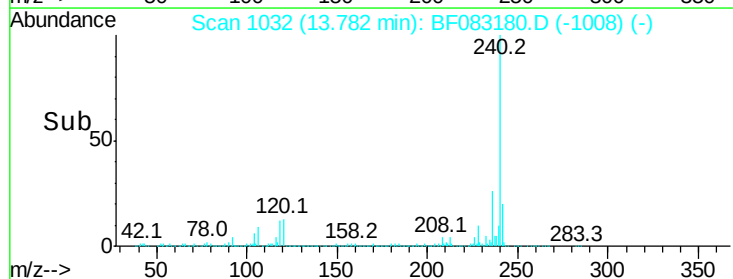
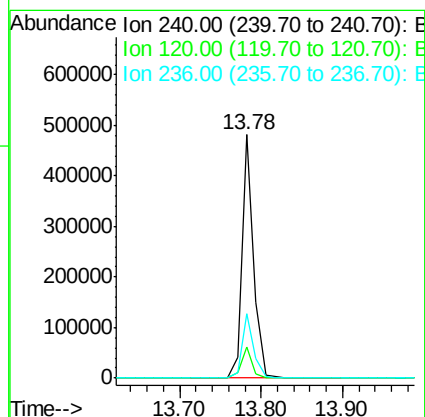
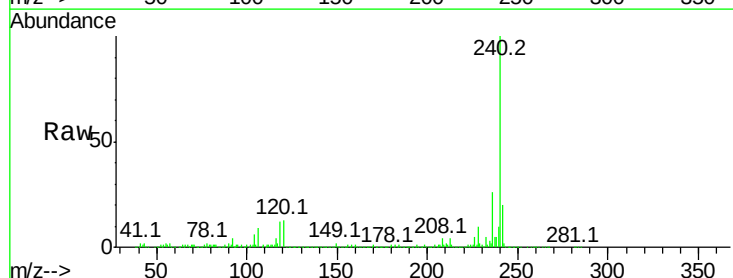
Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

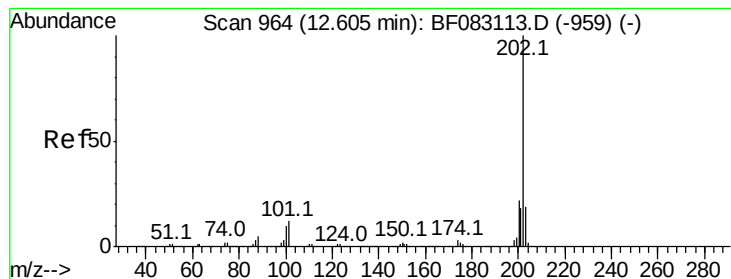
Tot Ion:	202	Resp:	225138
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	32.3
203	17.6	0.0	38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.78 min Scan# 1032
 Delta R.T. -0.02 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

Tgt Ion:	240	Resp:	474715
Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.4	8.2#
236	26.4	20.6	31.0





#77

Pvrene

Concen: 6.82 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

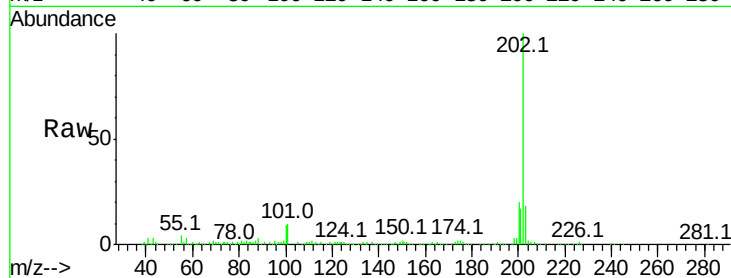
Tot Ion:202 Resp: 221122

Ion Ratio Lower Upper

202 100

200 20.2 17.8 26.6

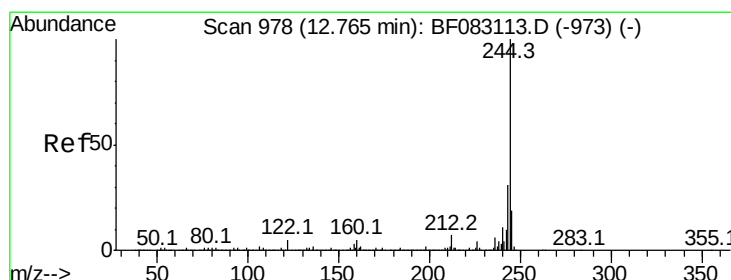
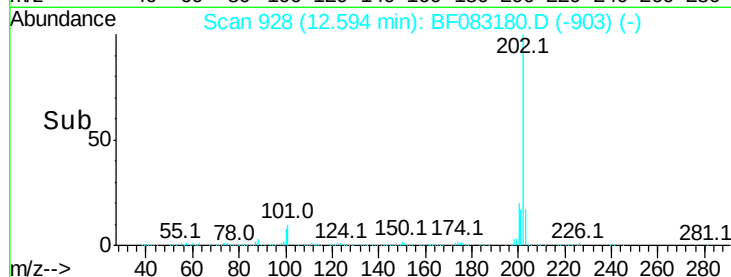
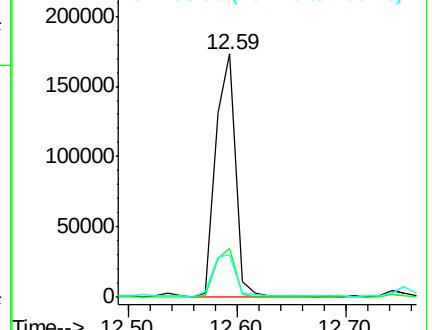
203 17.6 15.0 22.4



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: 59.97 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

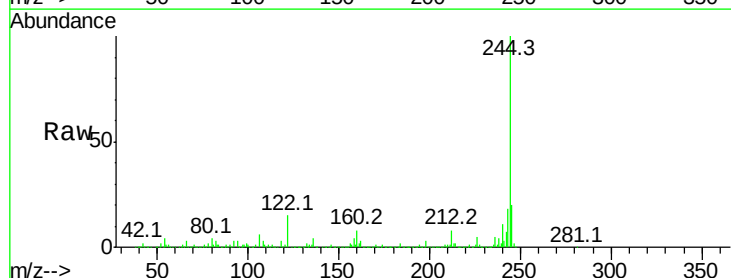
Tgt Ion:244 Resp: 1208868

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.2

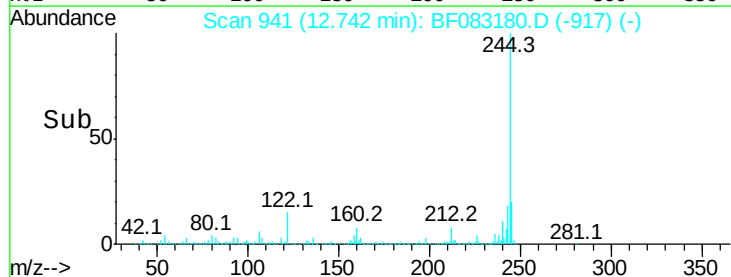
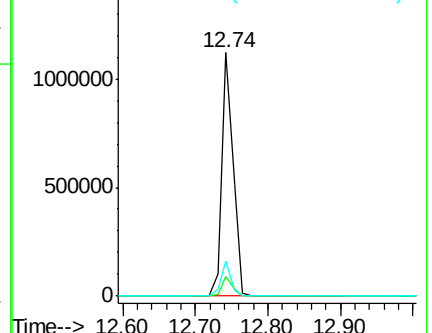
122 14.6 4.3 6.5#

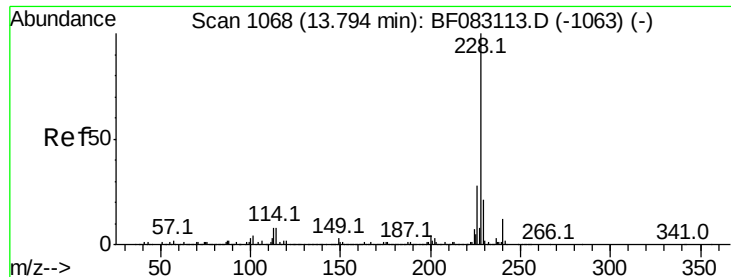


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

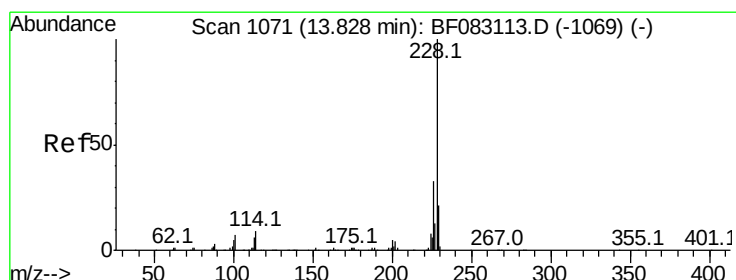
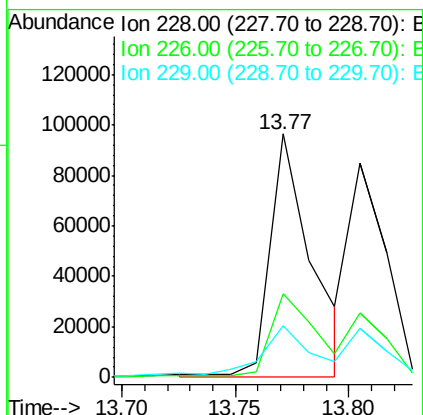
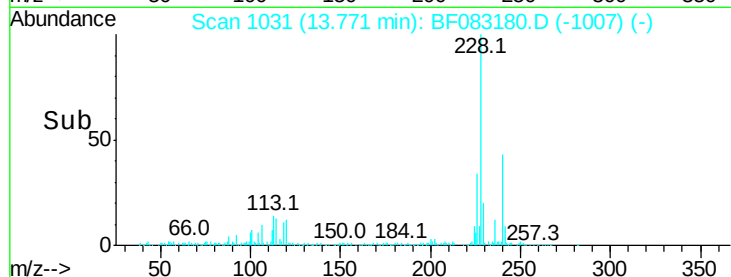
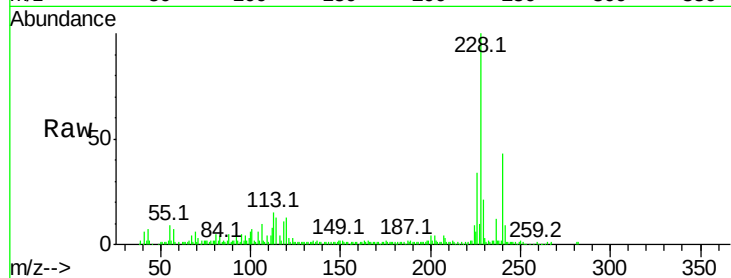




#80
Benzo(a)anthracene
Concen: 4.16 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

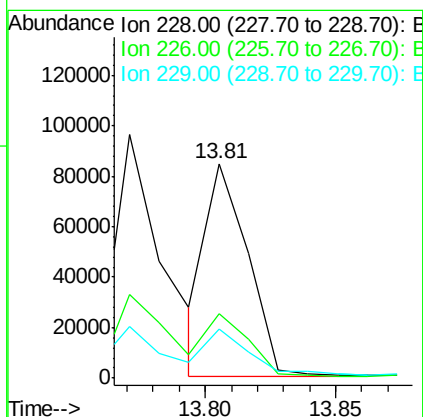
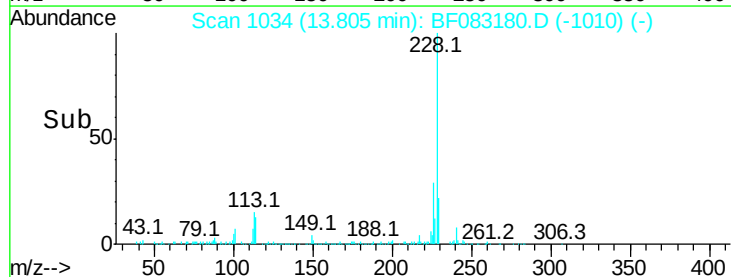
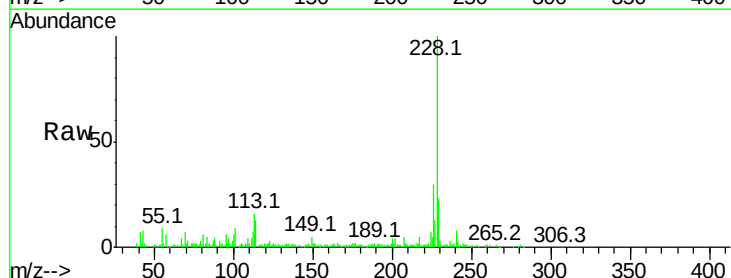
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

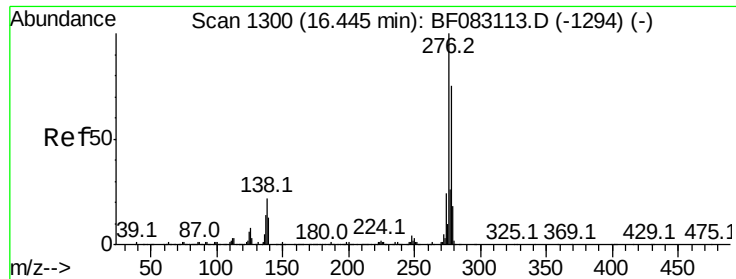
Tot Ion:228 Resp: 122032
Ion Ratio Lower Upper
228 100
226 34.3 22.6 33.8#
229 21.4 16.6 24.8



#82
Chrysene
Concen: 3.46 ng
RT: 13.81 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

Tgt Ion:228 Resp: 94137
Ion Ratio Lower Upper
228 100
226 30.0 25.5 38.3
229 22.9 16.6 25.0

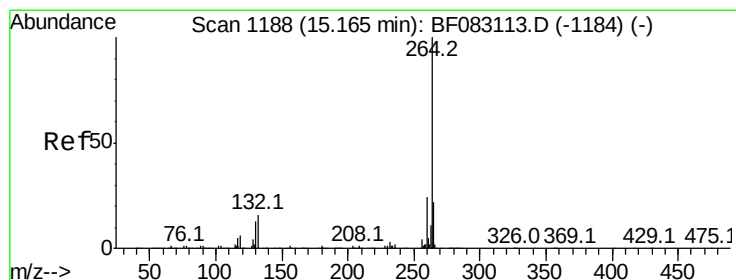
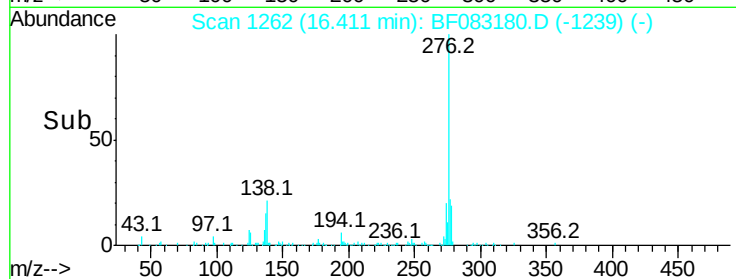
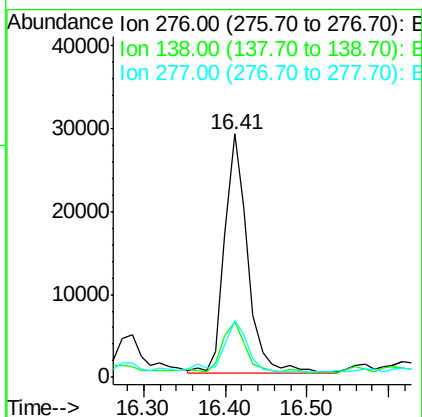
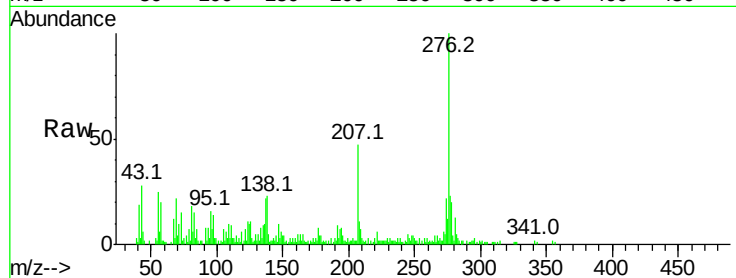




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.28 ng
 RT: 16.41 min Scan# 1262
 Delta R.T. -0.03 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

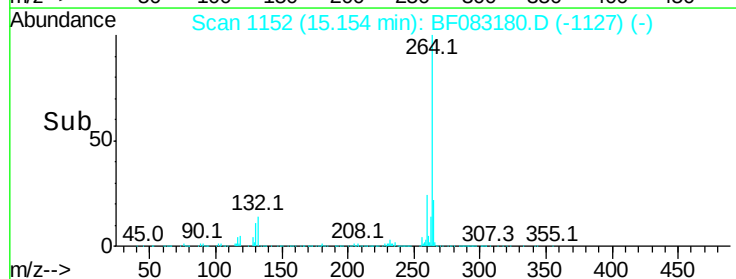
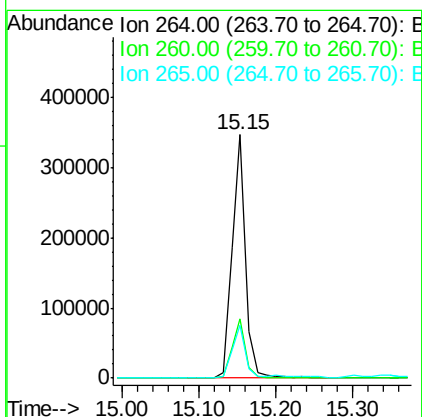
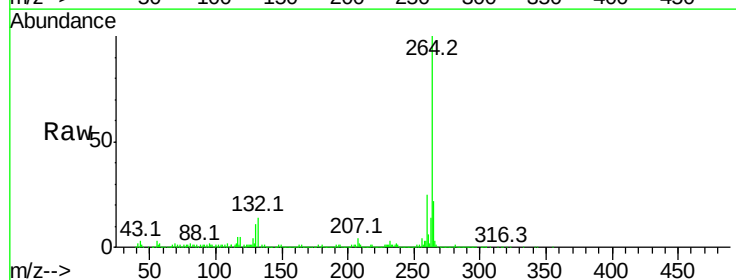
Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

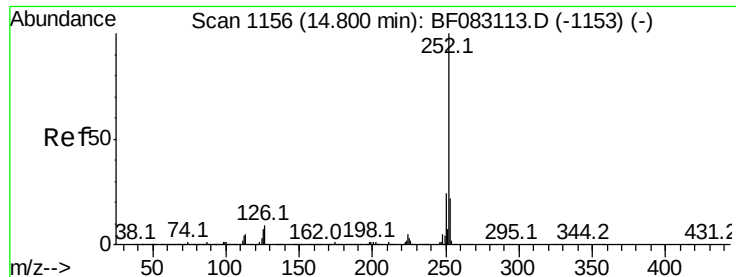
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.0	27.0
277	24.0	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 1152
 Delta R.T. -0.01 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.1	28.7
265	22.0	18.2	27.4





#87

Benzo(b)fluoranthene

Concen: 4.00 ng m

RT: 14.78 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

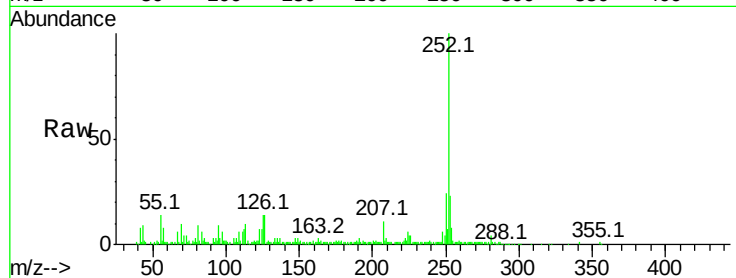
Tot Ion:252 Resp: 118260

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

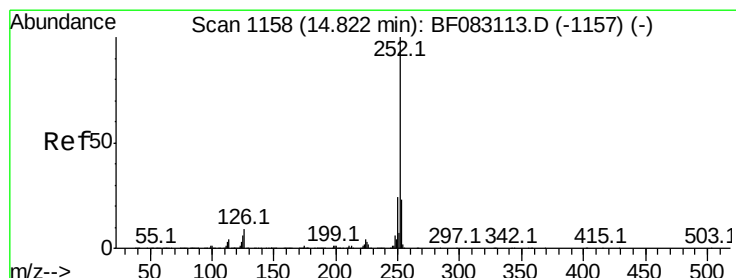
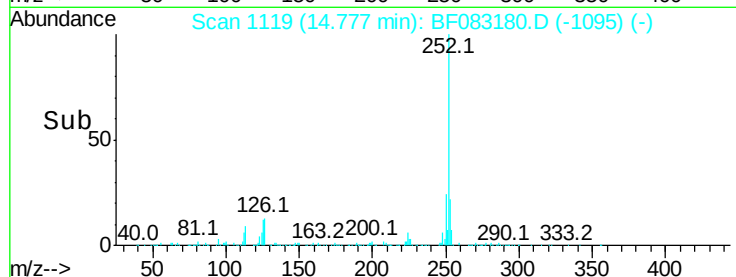
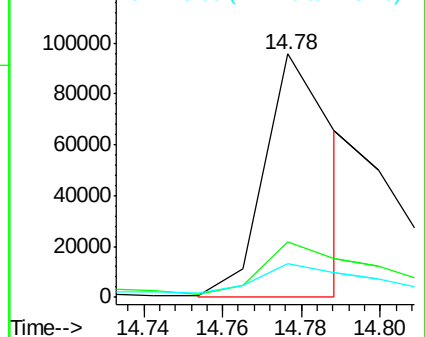
125 13.9 5.6 8.4#



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: 2.39 ng m

RT: 14.79 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

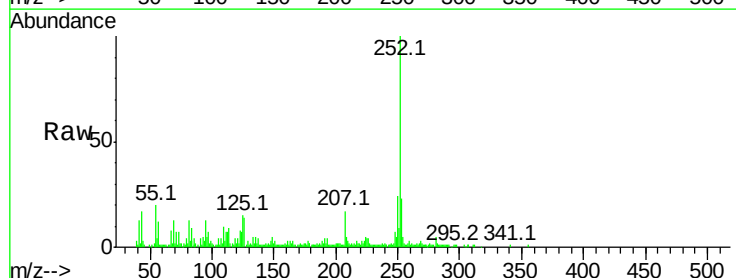
Tgt Ion:252 Resp: 52682

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

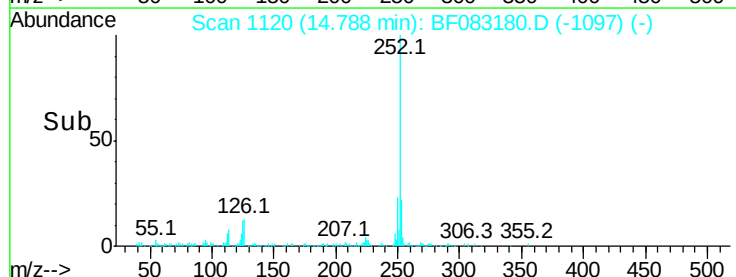
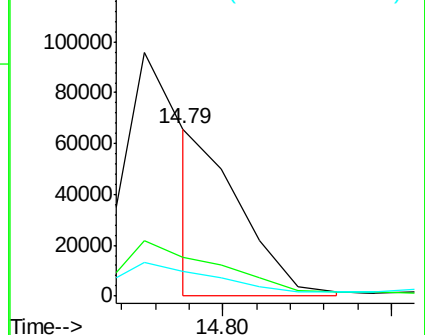
125 15.0 6.8 10.2#

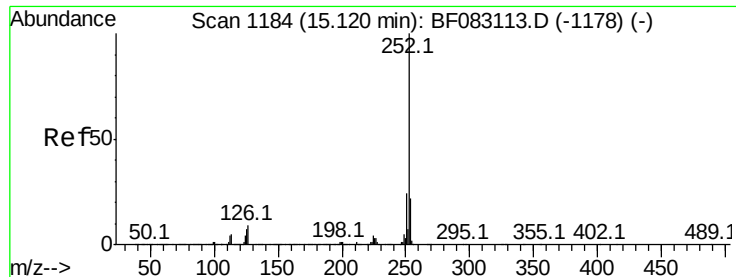


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.62 ng

RT: 15.10 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

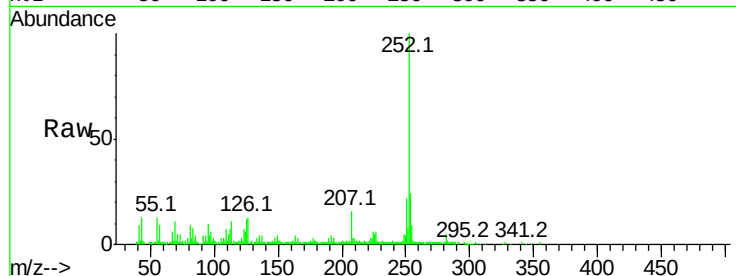
Tot Ion:252 Resp: 88284

Ion Ratio Lower Upper

252 100

253 23.5 17.5 26.3

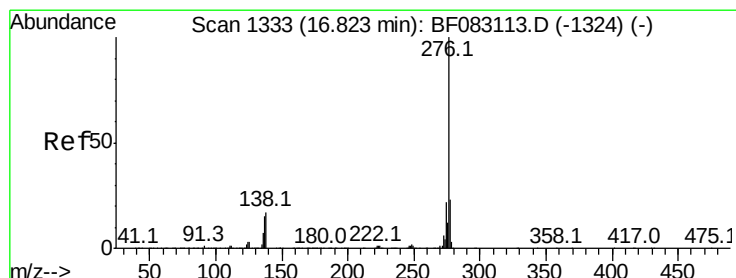
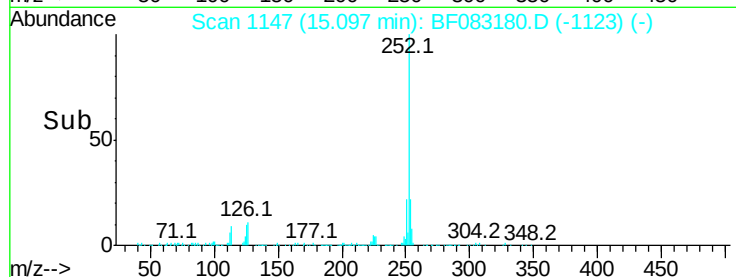
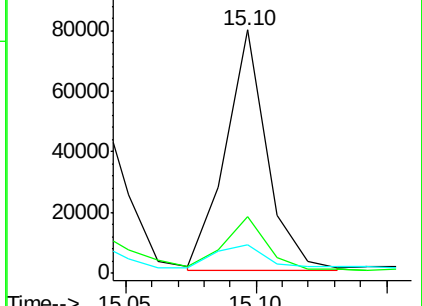
125 11.8 5.4 8.0#



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: 2.52 ng

RT: 16.79 min Scan# 1295

Delta R.T. -0.03 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

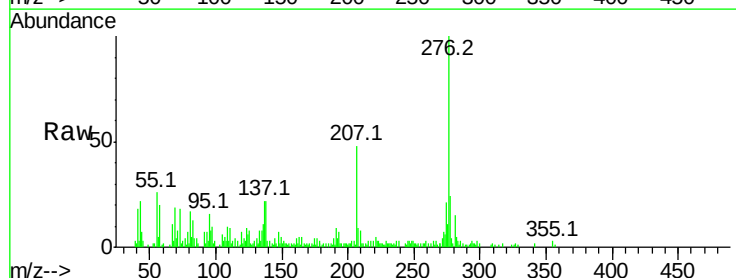
Tgt Ion:276 Resp: 54474

Ion Ratio Lower Upper

276 100

277 24.5 18.7 28.1

138 22.3 13.9 20.9#



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

