

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
 Data File : BF083181.D
 Acq On : 23 Nov 2015 2:04
 Operator : UM/IZ
 Sample : G4512-02
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-2

Quant Time: Nov 23 06:13:39 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

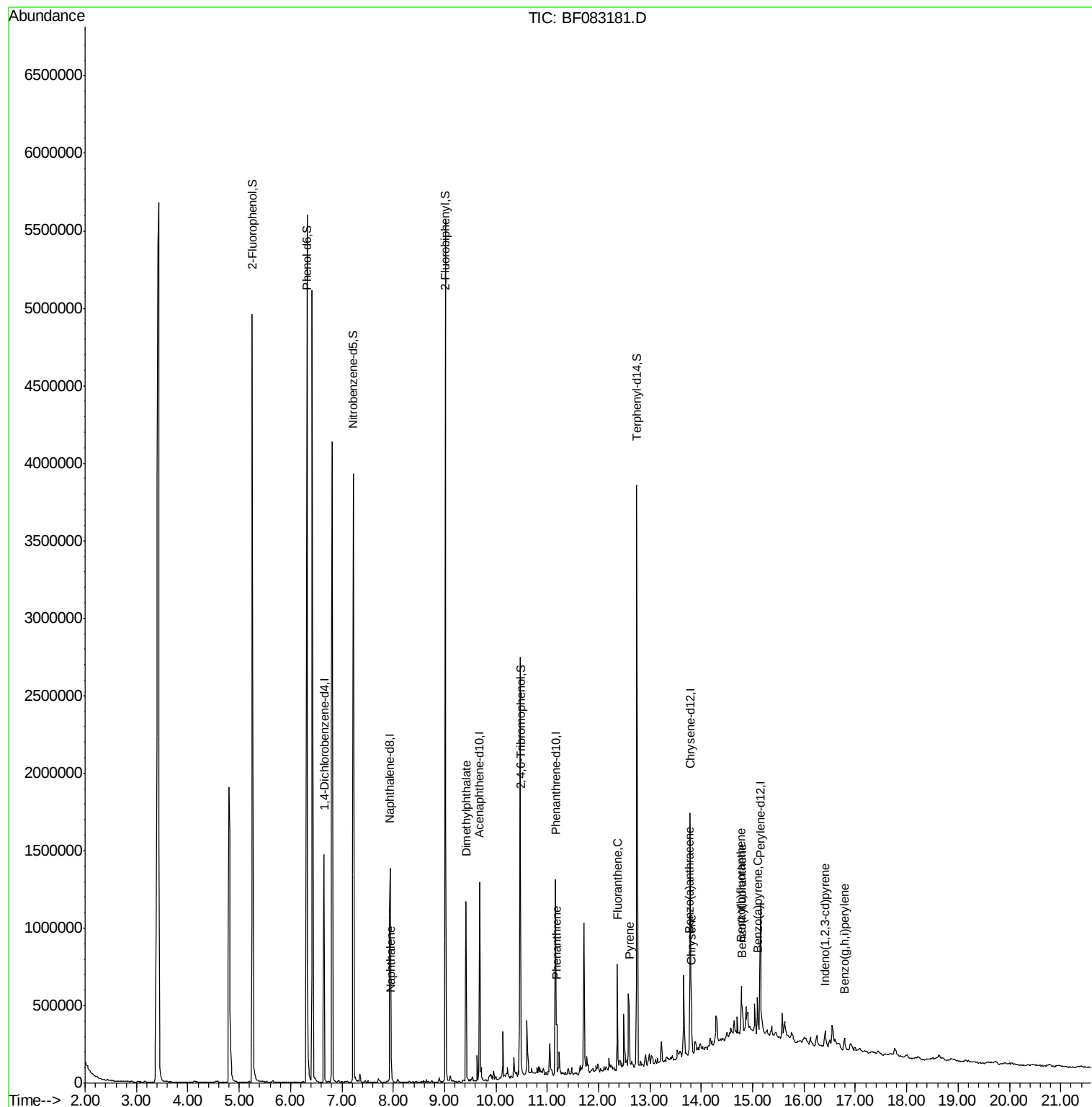
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	228172	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	846595	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	382761	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	628682	20.00	ng	-0.01
75) Chrysene-d12	13.78	240	491411	20.00	ng	-0.02
86) Perylene-d12	15.15	264	412572	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1616735	107.12	ng	-0.02
7) Phenol-d6	6.32	99	2189989	112.15	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1400304	75.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	384998	98.32	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1875023	68.31	ng	-0.01
78) Terphenyl-d14	12.74	244	1377493	66.01	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.95	128	133448	2.92	ng	98
49) Dimethylphthalate	9.42	163	425125	14.43	ng	99
70) Phenanthrene	11.19	178	177830	4.91	ng	96
74) Fluoranthene	12.37	202	284520	7.68	ng	95
77) Pyrene	12.59	202	251780	7.50	ng	95
80) Benzo(a)anthracene	13.77	228	147564	4.86	ng	94
82) Chrysene	13.81	228	107245	3.81	ng	95
85) Indeno(1,2,3-cd)pyrene	16.41	276	62701	2.45	ng	97
87) Benzo(b)fluoranthene	14.78	252	138933m	4.93	ng	
88) Benzo(k)fluoranthene	14.79	252	57824m	2.75	ng	
89) Benzo(a)pyrene	15.10	252	101514	4.36	ng	# 96
91) Benzo(a,h,i)perylene	16.79	276	60506	2.93	ng	# 93

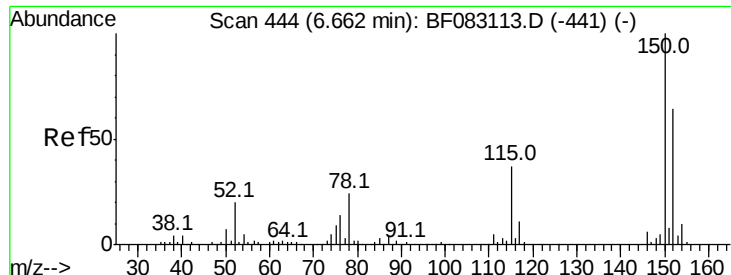
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 06:13:39 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

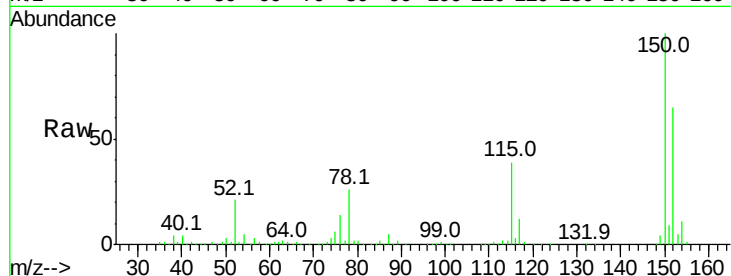
Tot Ion:152 Resp: 228172

Ion Ratio Lower Upper

152 100

150 155.0 125.8 188.8

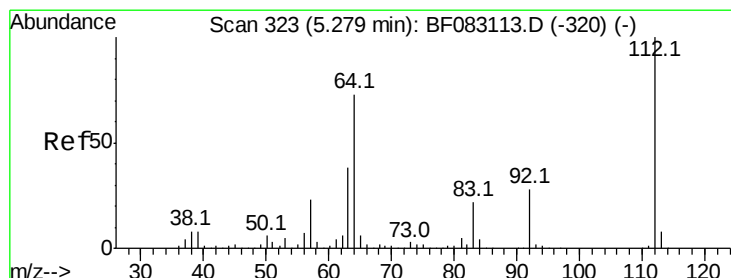
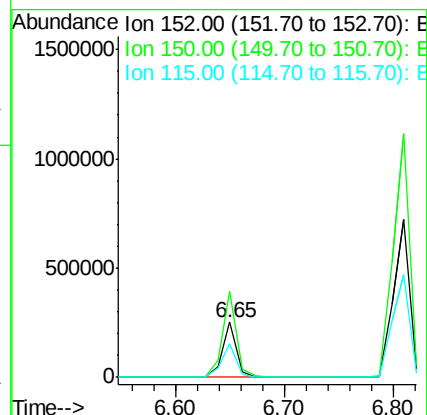
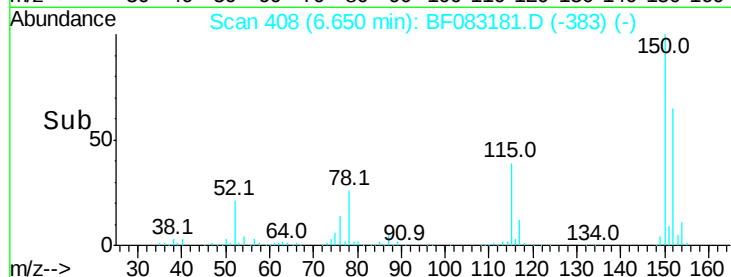
115 60.9 46.9 70.3



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: 107.12 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

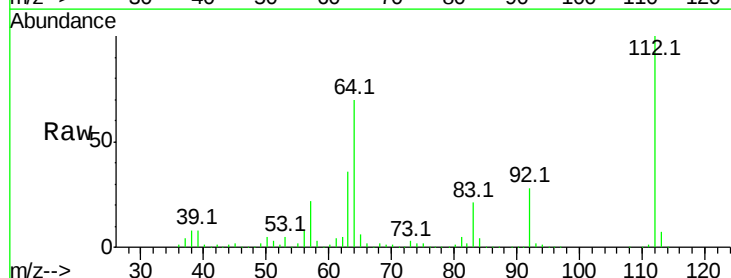
Tgt Ion:112 Resp: 1616735

Ion Ratio Lower Upper

112 100

64 70.4 58.4 87.6

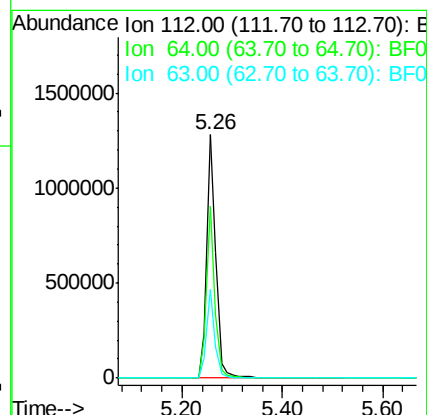
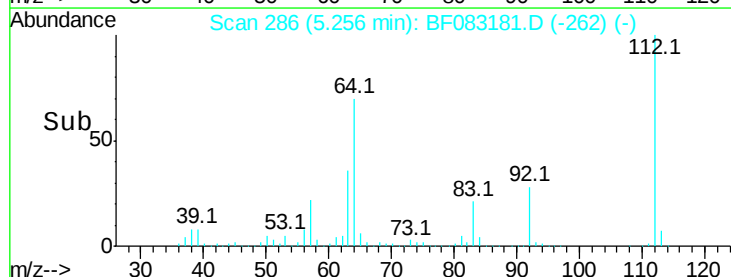
63 36.3 30.0 45.0

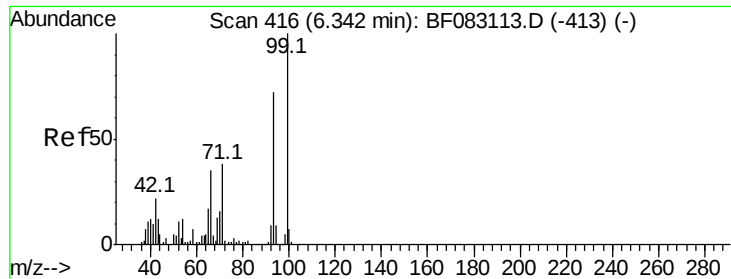


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.15 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

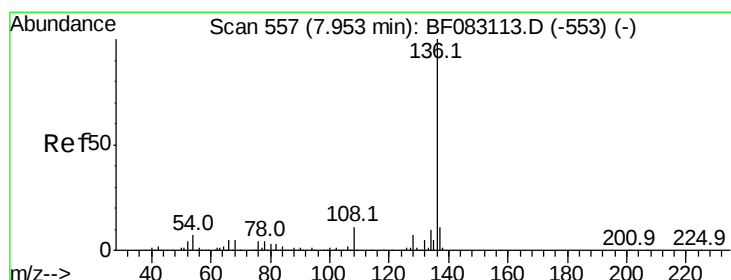
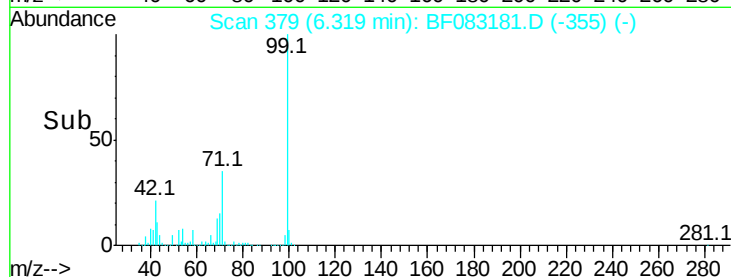
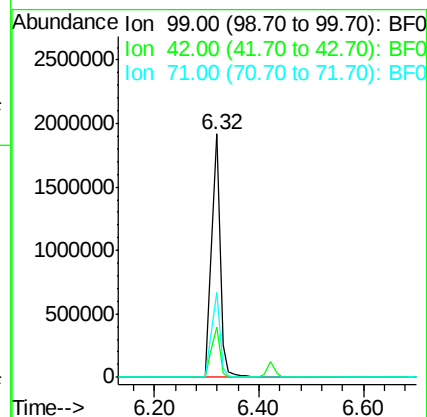
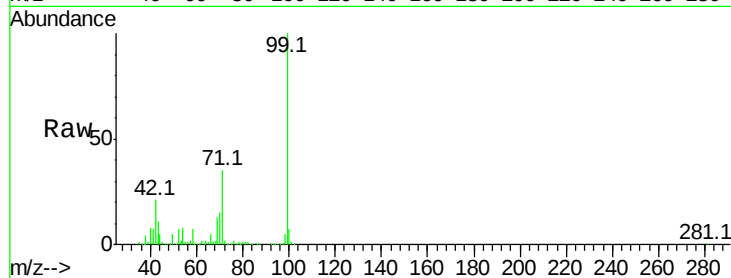
Tot Ion: 99 Resp: 2189989

Ion Ratio Lower Upper

99 100

42 20.9 17.7 26.5

71 34.6 30.2 45.4



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 521

Delta R.T. -0.01 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Tgt Ion: 136 Resp: 846595

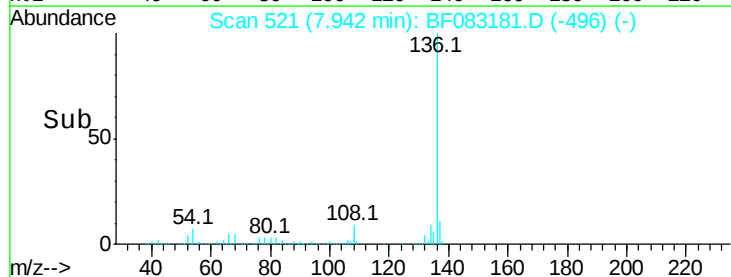
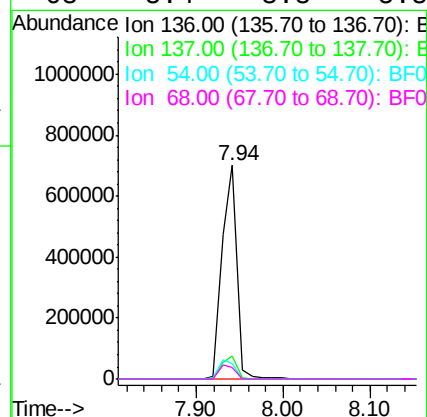
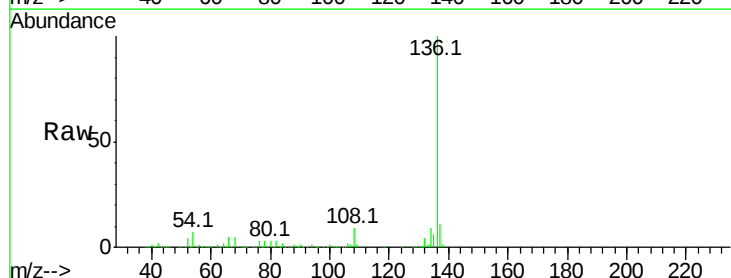
Ion Ratio Lower Upper

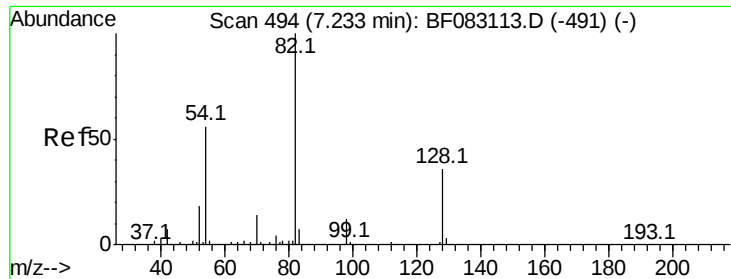
136 100

137 10.7 8.7 13.1

54 7.3 5.8 8.6

68 5.4 3.8 5.8





#23

Nitrobenzene-d5

Concen: 75.58 ng

RT: 7.22 min Scan# 458

Delta R.T. -0.01 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

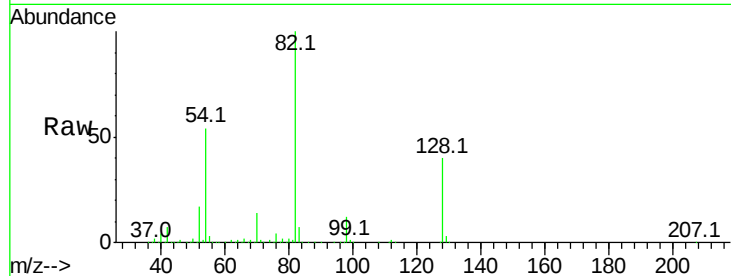
Tot Ion: 82 Resp: 1400304

Ion Ratio Lower Upper

82 100

128 39.7 28.5 42.7

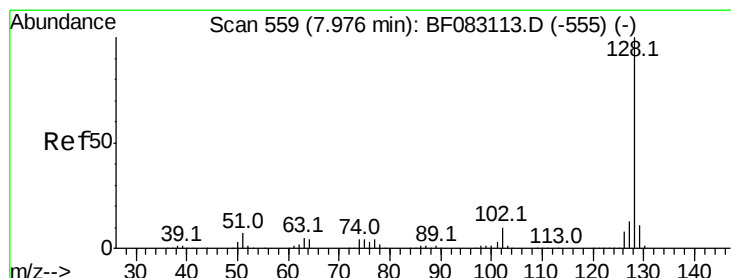
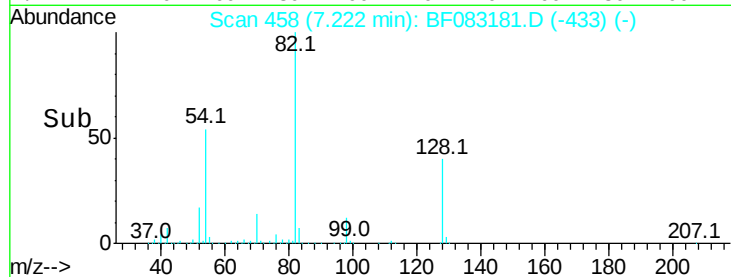
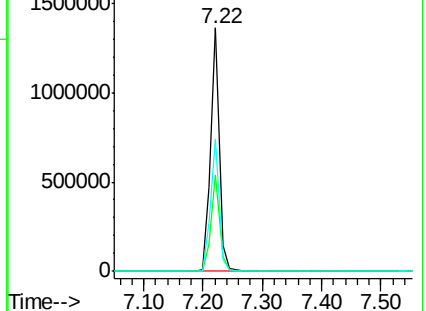
54 54.2 44.6 67.0



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



#31

Naphthalene

Concen: 2.92 ng

RT: 7.95 min Scan# 522

Delta R.T. -0.02 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

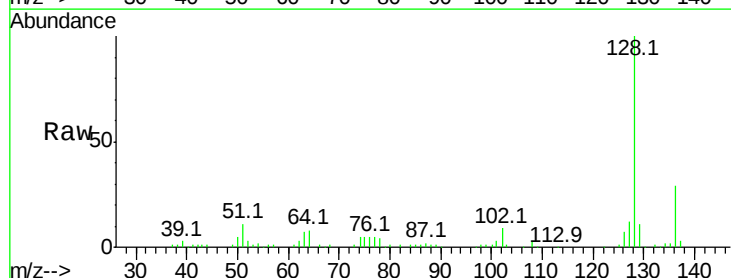
Tgt Ion: 128 Resp: 133448

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

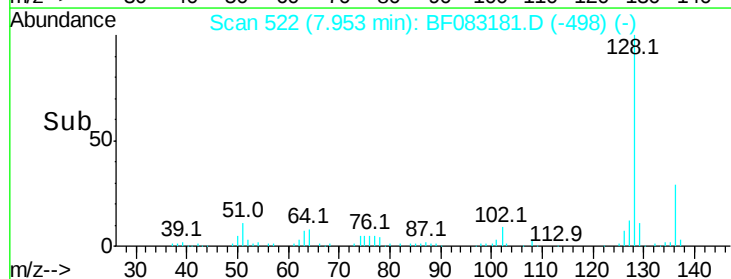
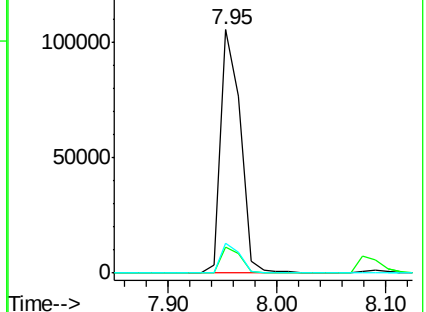
127 12.1 10.6 15.8

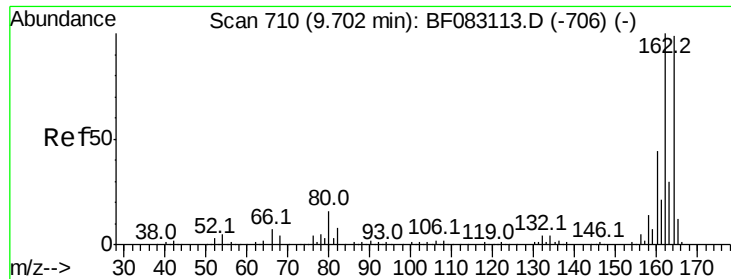


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

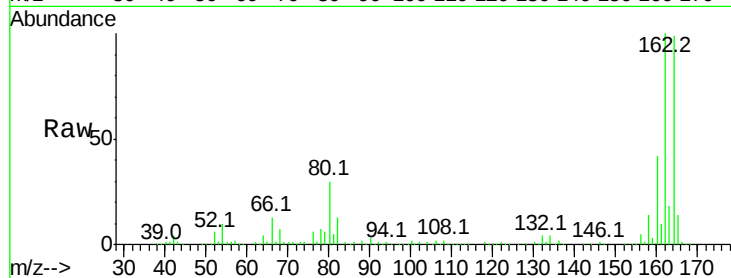




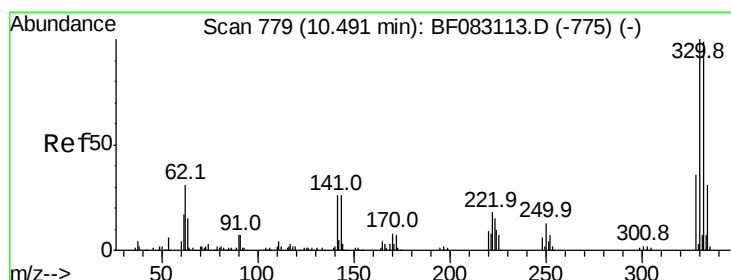
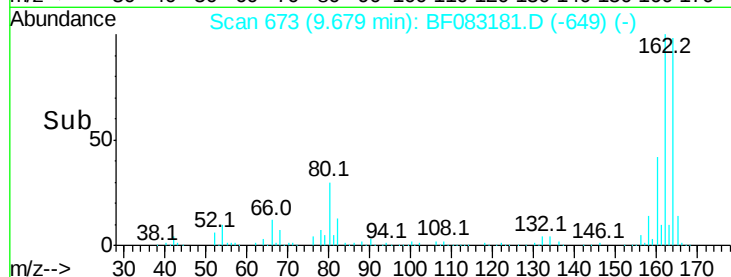
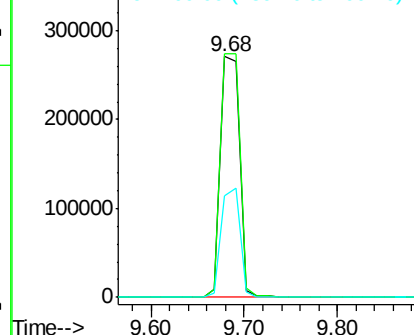
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF083181.D
 Acq: 23 Nov 2015 2:04

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-2

Tot Ion:164 Resp: 382761
 Ion Ratio Lower Upper
 164 100
 162 101.1 81.2 121.8
 160 42.2 35.6 53.4

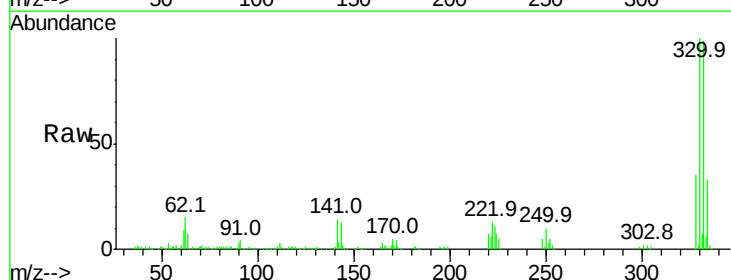


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

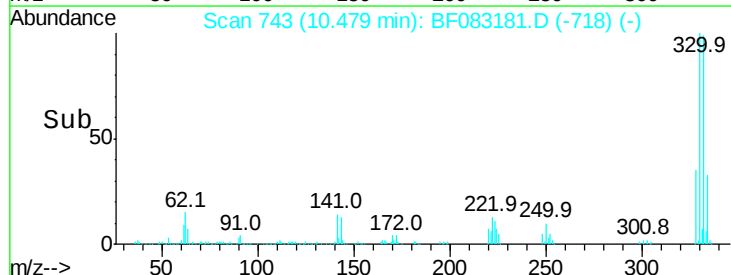
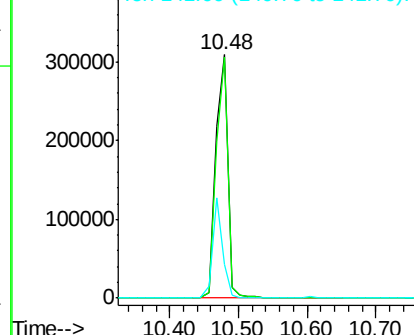


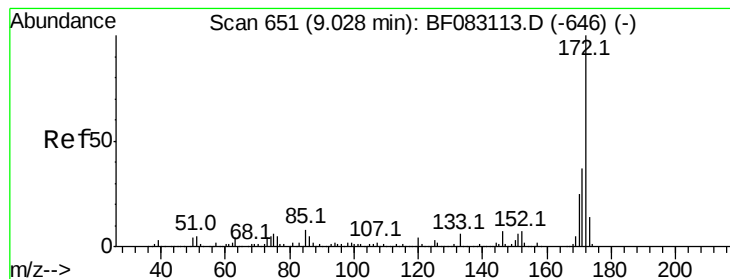
#41
 2,4,6-Tribromophenol
 Concen: 98.32 ng
 RT: 10.48 min Scan# 743
 Delta R.T. -0.01 min
 Lab File: BF083181.D
 Acq: 23 Nov 2015 2:04

Tgt Ion:330 Resp: 384998
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.7 116.5
 141 34.7 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

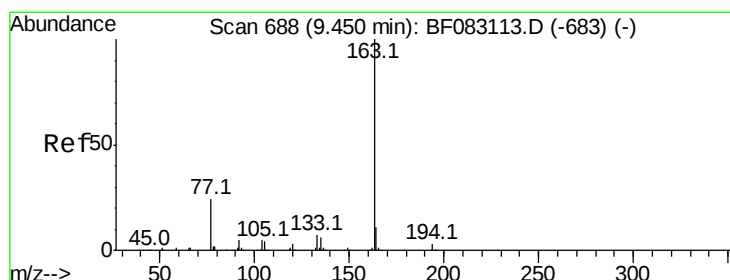
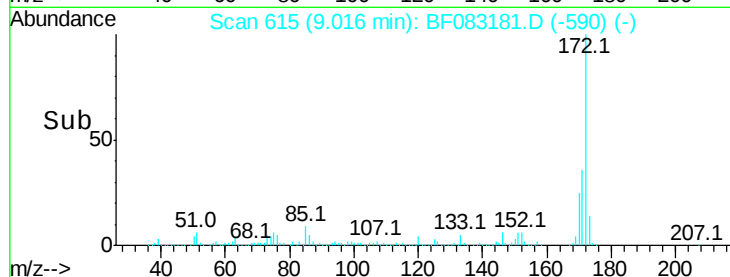
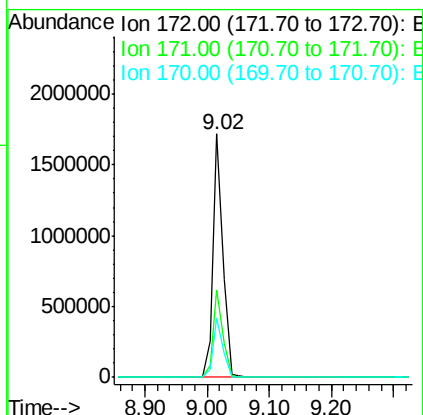
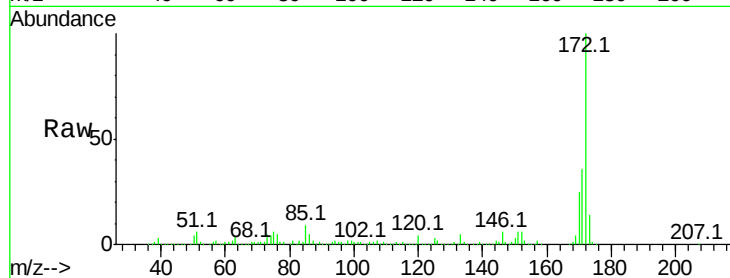




#44
2-Fluorobiphenyl
Concen: 68.31 ng
RT: 9.02 min Scan# 615
Delta R.T. -0.01 min
Lab File: BF083181.D
Acq: 23 Nov 2015 2:04

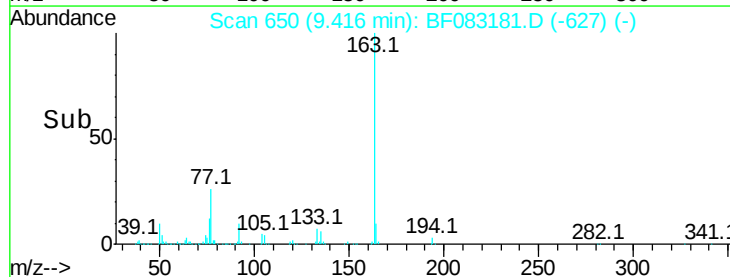
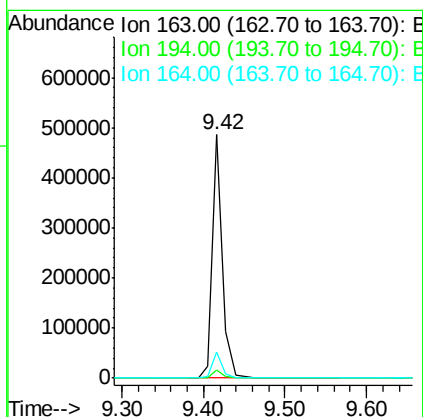
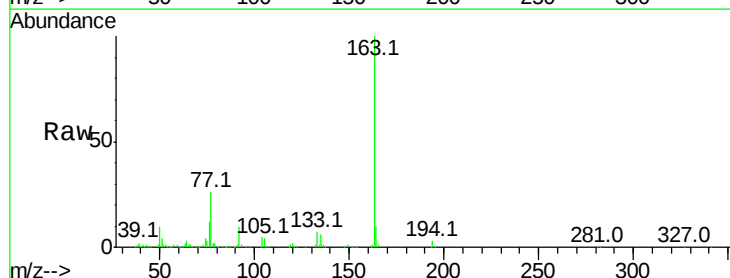
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-2

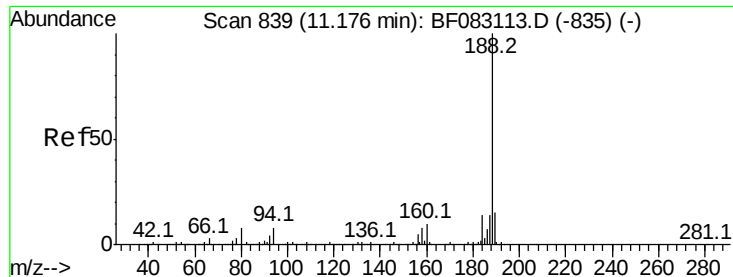
Tot Ion:172 Resp: 1875023
Ion Ratio Lower Upper
172 100
171 35.8 29.5 44.3
170 24.5 19.9 29.9



#49
Dimethylphthalate
Concen: 14.43 ng
RT: 9.42 min Scan# 650
Delta R.T. -0.03 min
Lab File: BF083181.D
Acq: 23 Nov 2015 2:04

Tgt Ion:163 Resp: 425125
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.5 8.6 12.8

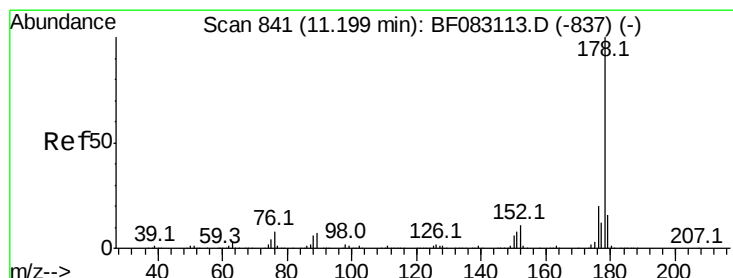
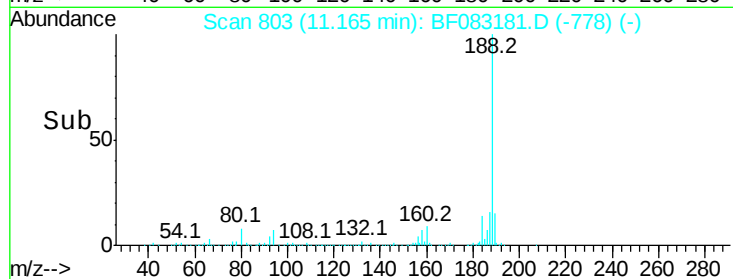
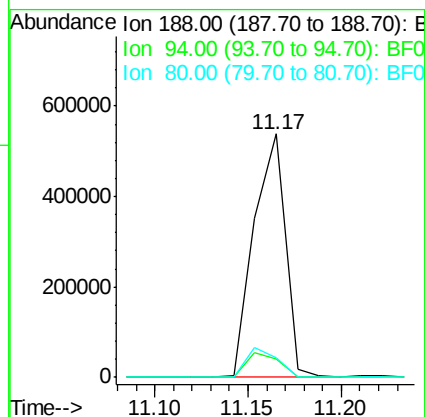
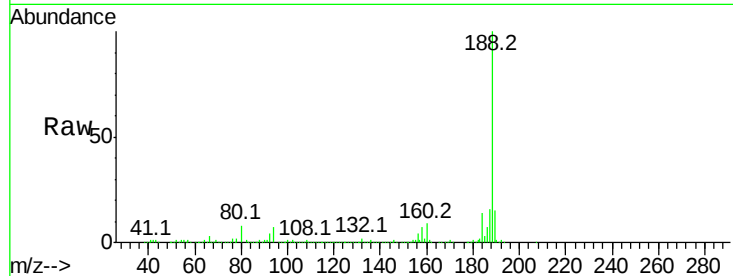




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF083181.D
 Acq: 23 Nov 2015 2:04

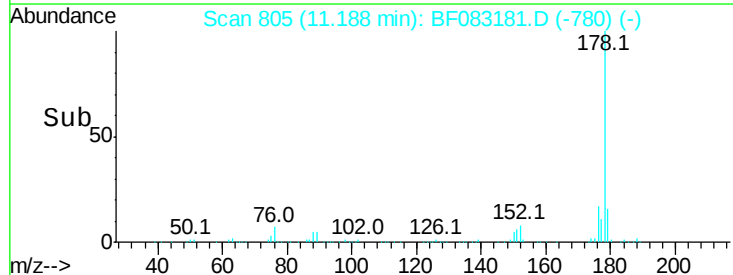
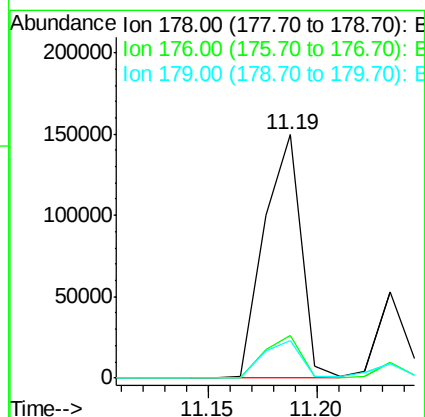
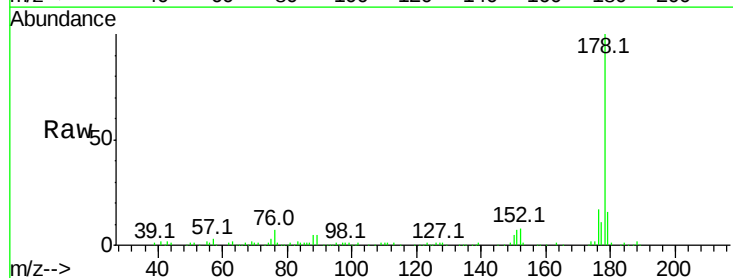
Instrument :
 BNA_F
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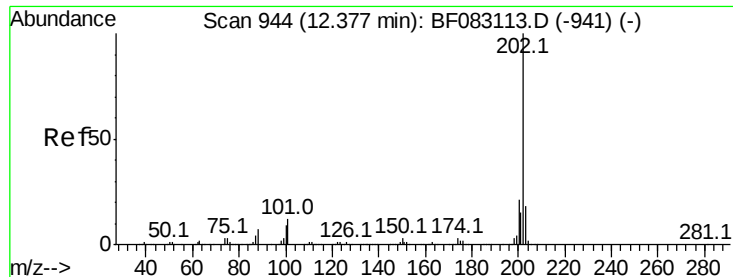
Tot Ion:188 Resp: 628682
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.0 9.0
 80 8.3 6.7 10.1



#70
 Phenanthrene
 Concen: 4.91 ng
 RT: 11.19 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF083181.D
 Acq: 23 Nov 2015 2:04

Tgt Ion:178 Resp: 177830
 Ion Ratio Lower Upper
 178 100
 176 17.5 16.2 24.2
 179 15.6 12.8 19.2





#74

Fluoranthene

Concen: 7.68 ng

RT: 12.37 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

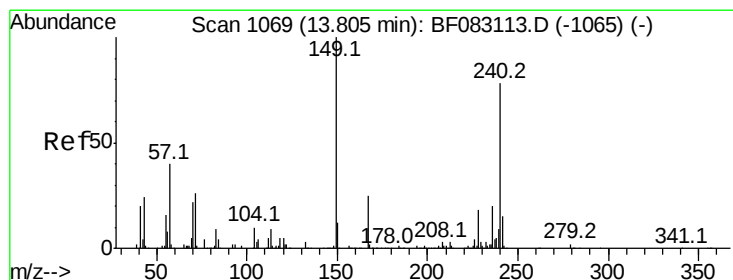
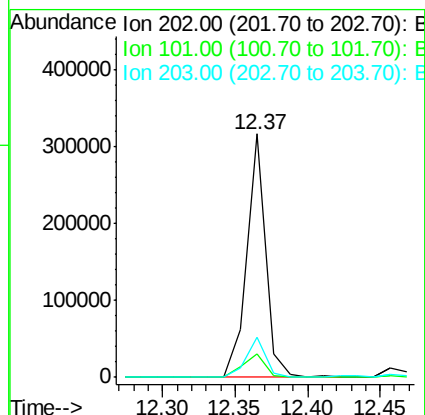
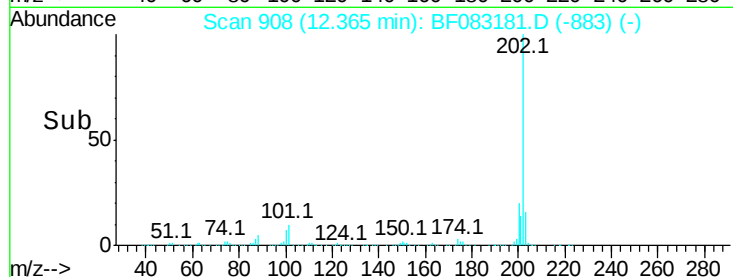
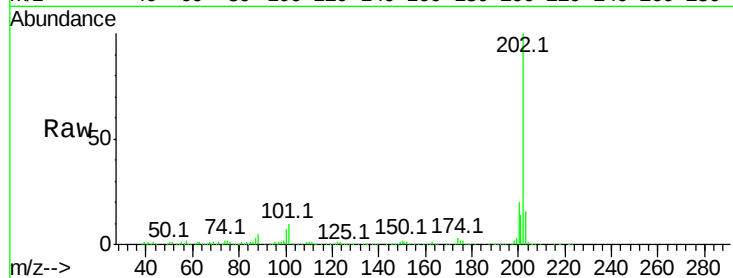
Tot Ion:202 Resp: 284520

Ion Ratio Lower Upper

202 100

101 9.6 0.0 32.3

203 16.4 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: BF083181.D

Acq: 23 Nov 2015 2:04

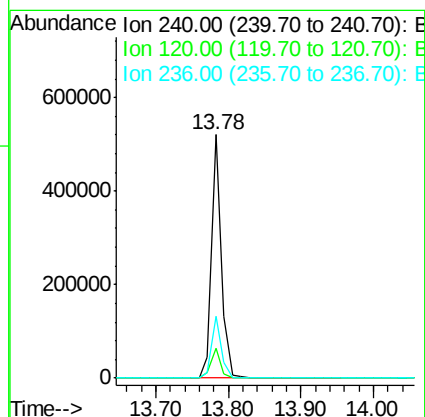
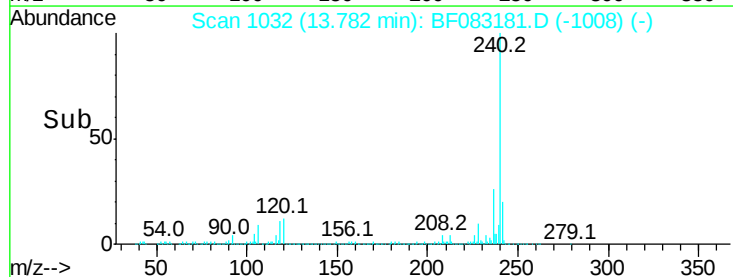
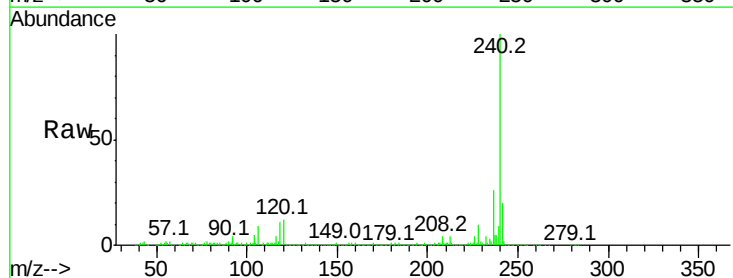
Tgt Ion:240 Resp: 491411

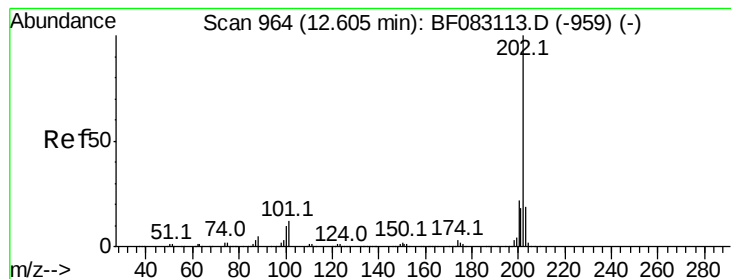
Ion Ratio Lower Upper

240 100

120 12.3 5.4 8.2#

236 25.6 20.6 31.0





#77

Pvrene

Concen: 7.50 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

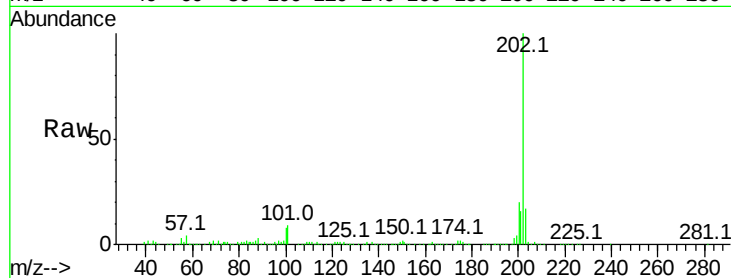
Tot Ion:202 Resp: 251780

Ion Ratio Lower Upper

202 100

200 19.7 17.8 26.6

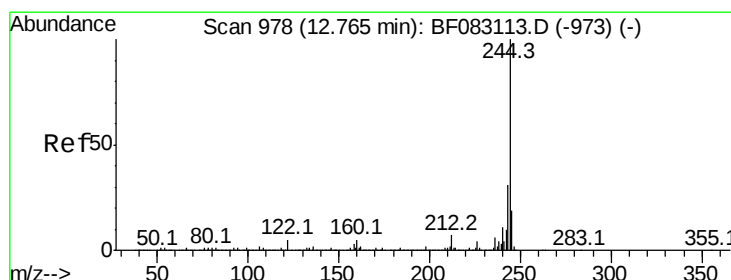
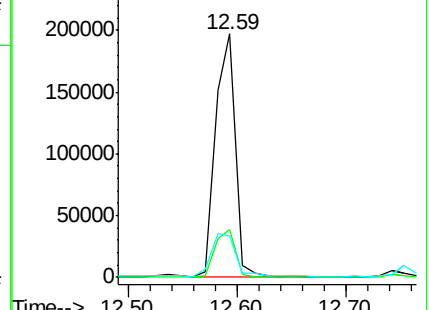
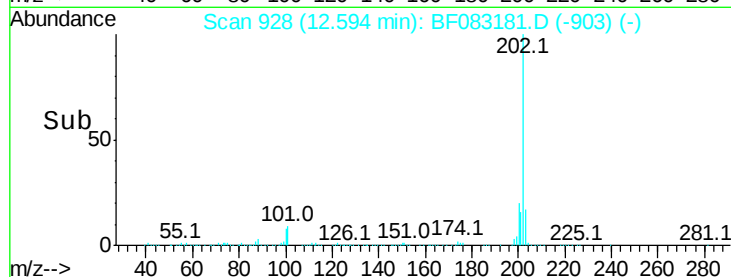
203 17.0 15.0 22.4



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: 66.01 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

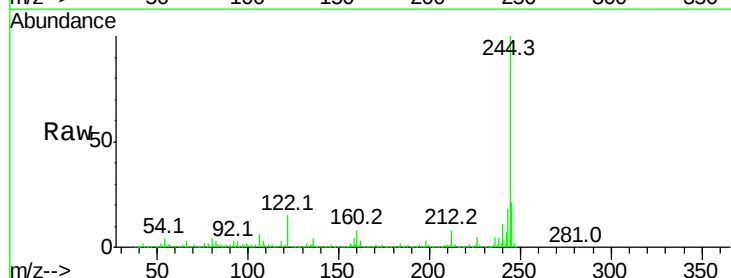
Tgt Ion:244 Resp: 1377493

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.2

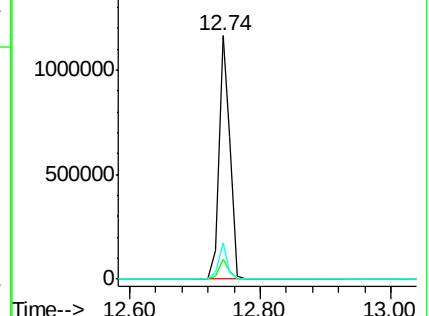
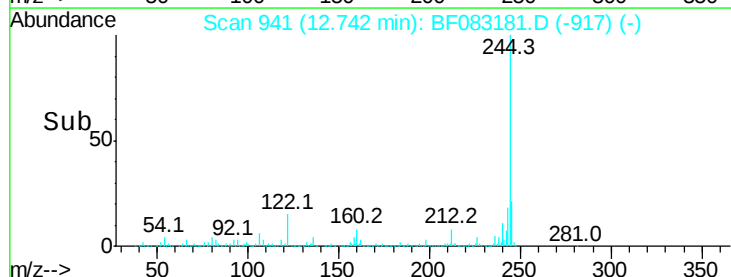
122 14.9 4.3 6.5#

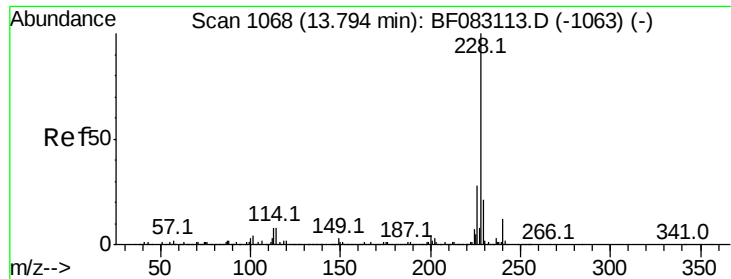


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

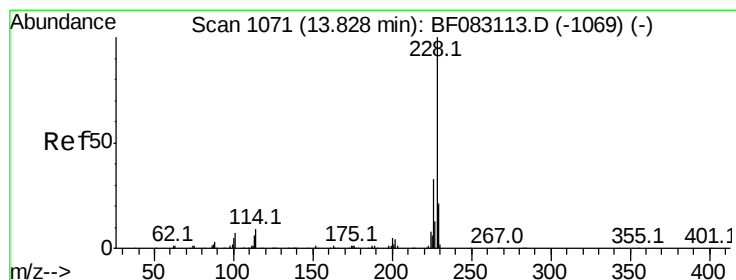
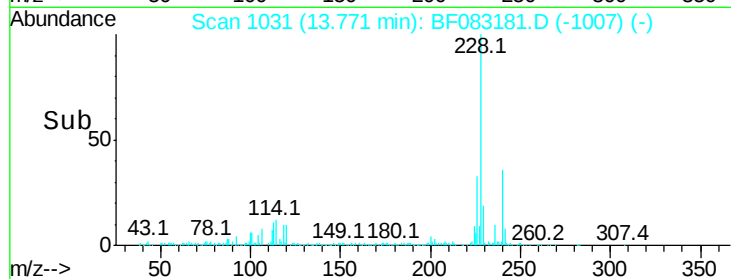
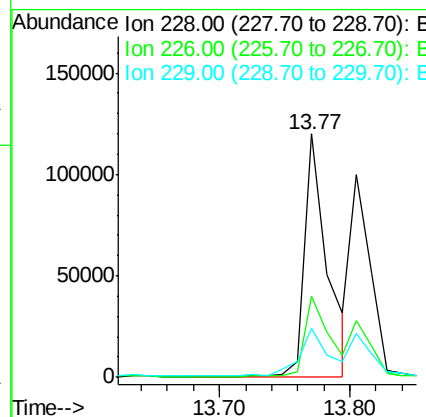
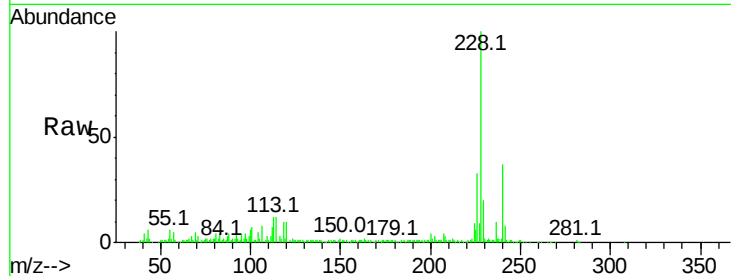




#80
Benzo(a)anthracene
Concen: 4.86 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083181.D
Acq: 23 Nov 2015 2:04

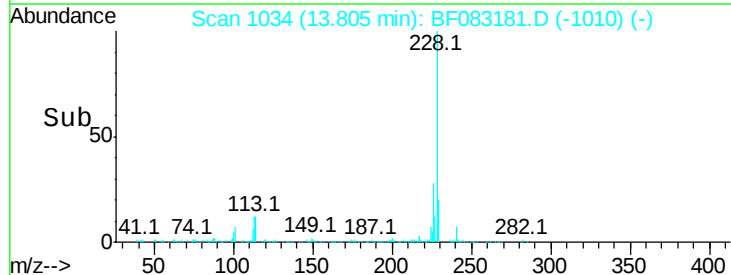
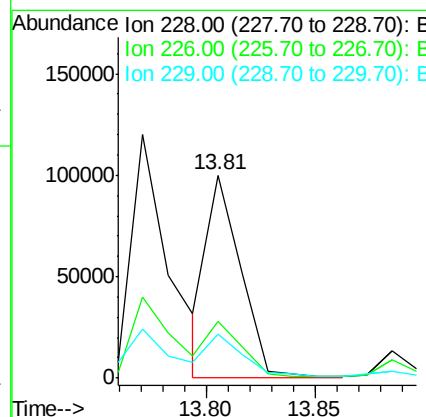
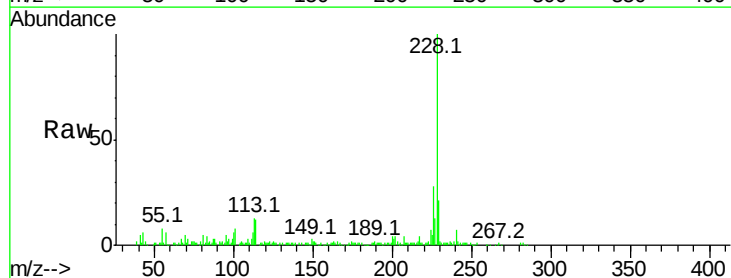
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-2

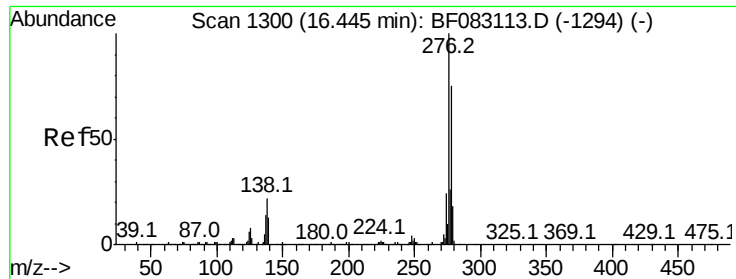
Tot Ion:228 Resp: 147564
Ion Ratio Lower Upper
228 100
226 33.5 22.6 33.8
229 20.0 16.6 24.8



#82
Chrysene
Concen: 3.81 ng
RT: 13.81 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF083181.D
Acq: 23 Nov 2015 2:04

Tgt Ion:228 Resp: 107245
Ion Ratio Lower Upper
228 100
226 28.1 25.5 38.3
229 21.5 16.6 25.0





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.45 ng

RT: 16.41 min Scan# 1262

Delta R.T. -0.03 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

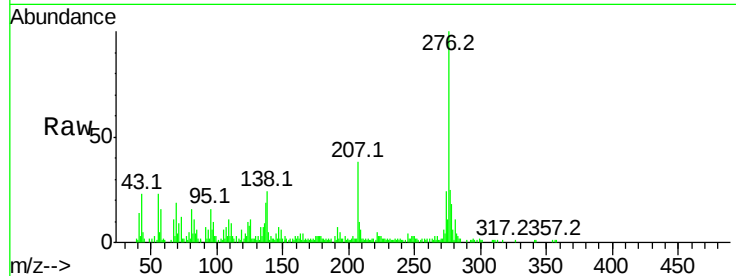
Tot Ion:276 Resp: 62701

Ion Ratio Lower Upper

276 100

138 21.4 18.0 27.0

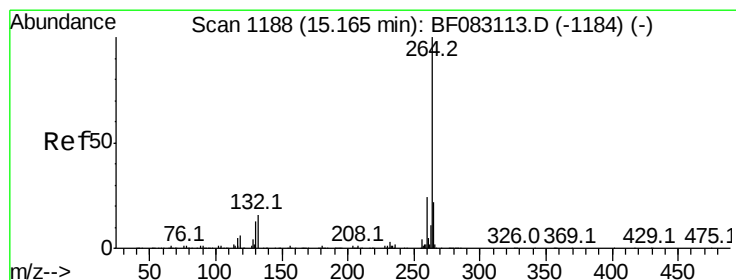
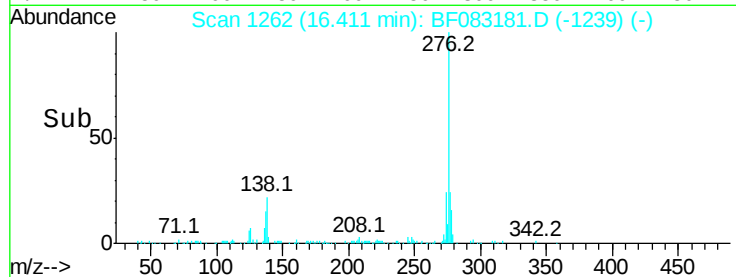
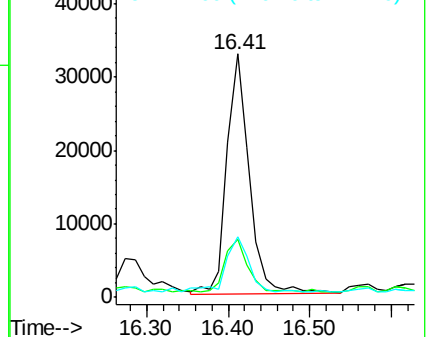
277 27.4 20.2 30.4



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: 15.15 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

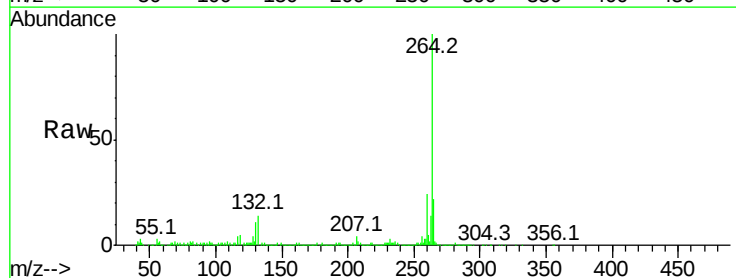
Tgt Ion:264 Resp: 412572

Ion Ratio Lower Upper

264 100

260 24.1 19.1 28.7

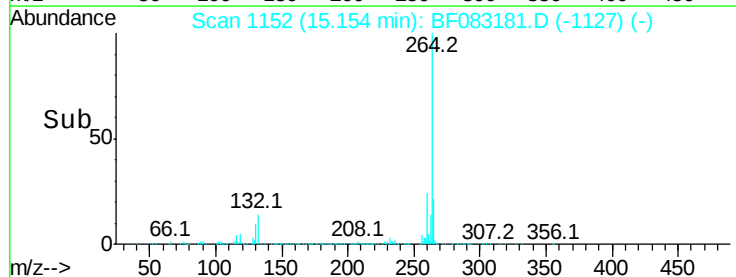
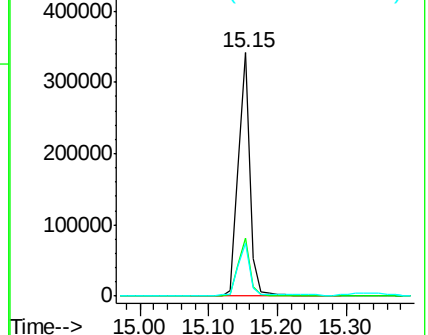
265 21.7 18.2 27.4

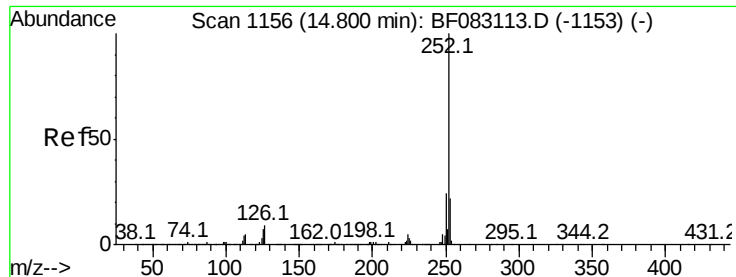


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.93 ng m

RT: 14.78 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

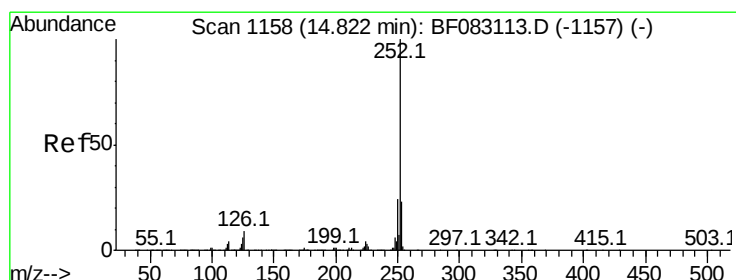
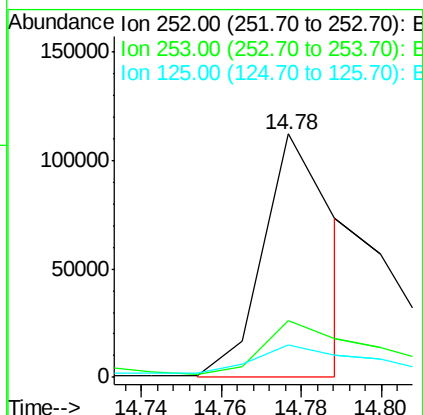
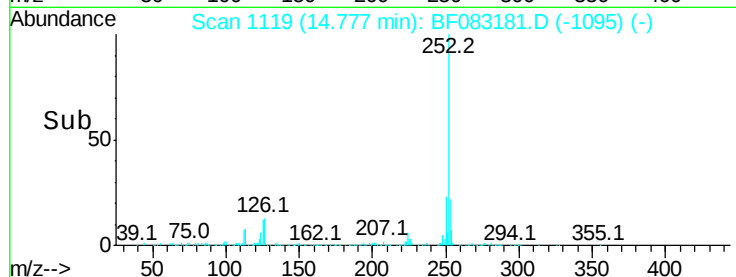
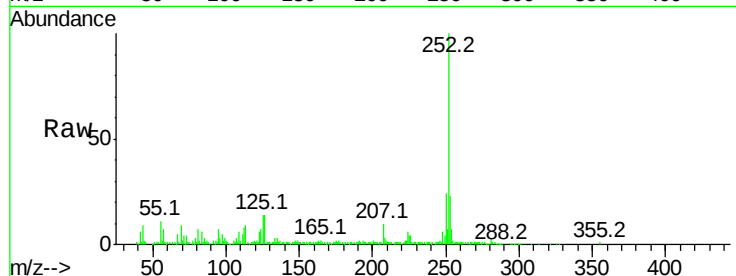
Tot Ion:252 Resp: 138933

Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 13.6 5.6 8.4#



#88

Benzo(k)fluoranthene

Concen: 2.75 ng m

RT: 14.79 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

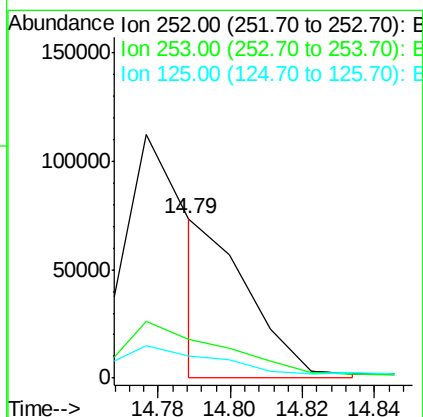
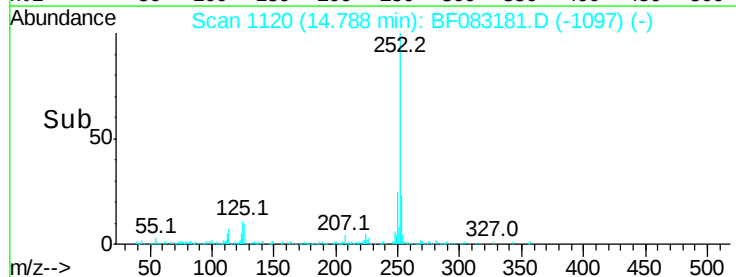
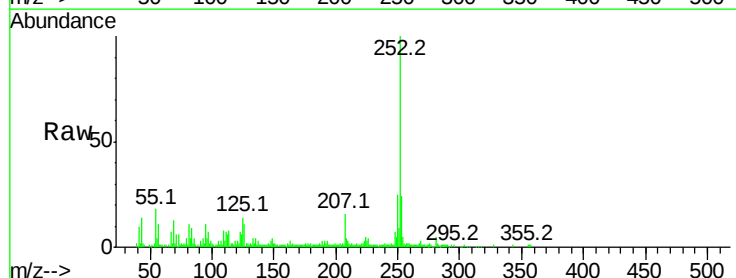
Tgt Ion:252 Resp: 57824

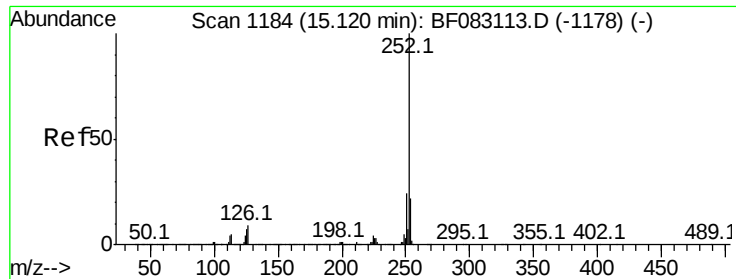
Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

125 13.6 6.8 10.2#





#89

Benzo(a)pyrene

Concen: 4.36 ng

RT: 15.10 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-2

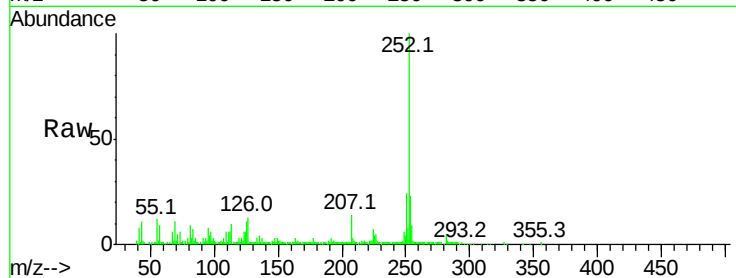
Tot Ion:252 Resp: 101514

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.7 5.4 8.0#

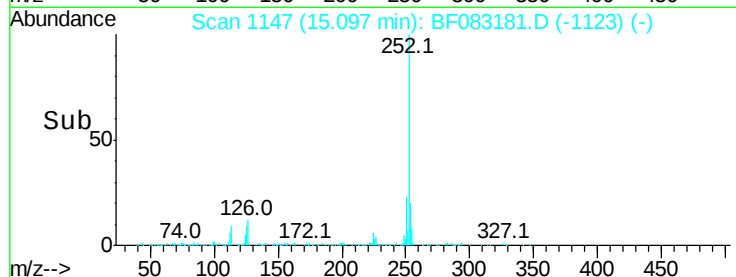


Abundance Ion 252.00 (251.70 to 252.70): E

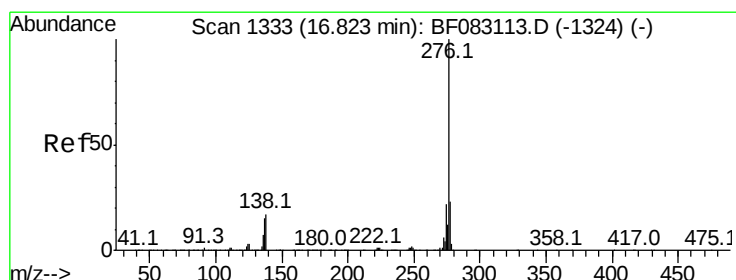
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#91

Benzo(g,h,i)perylene

Concen: 2.93 ng

RT: 16.79 min Scan# 1295

Delta R.T. -0.03 min

Lab File: BF083181.D

Acq: 23 Nov 2015 2:04

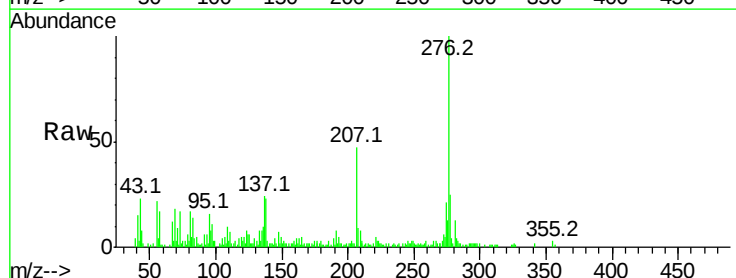
Tgt Ion:276 Resp: 60506

Ion Ratio Lower Upper

276 100

277 25.0 18.7 28.1

138 23.1 13.9 20.9#

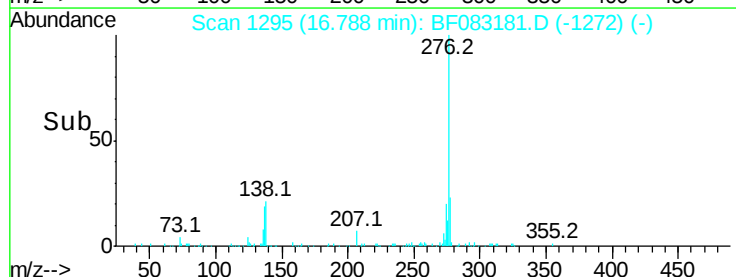


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



Time-->