

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 03:43:32 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

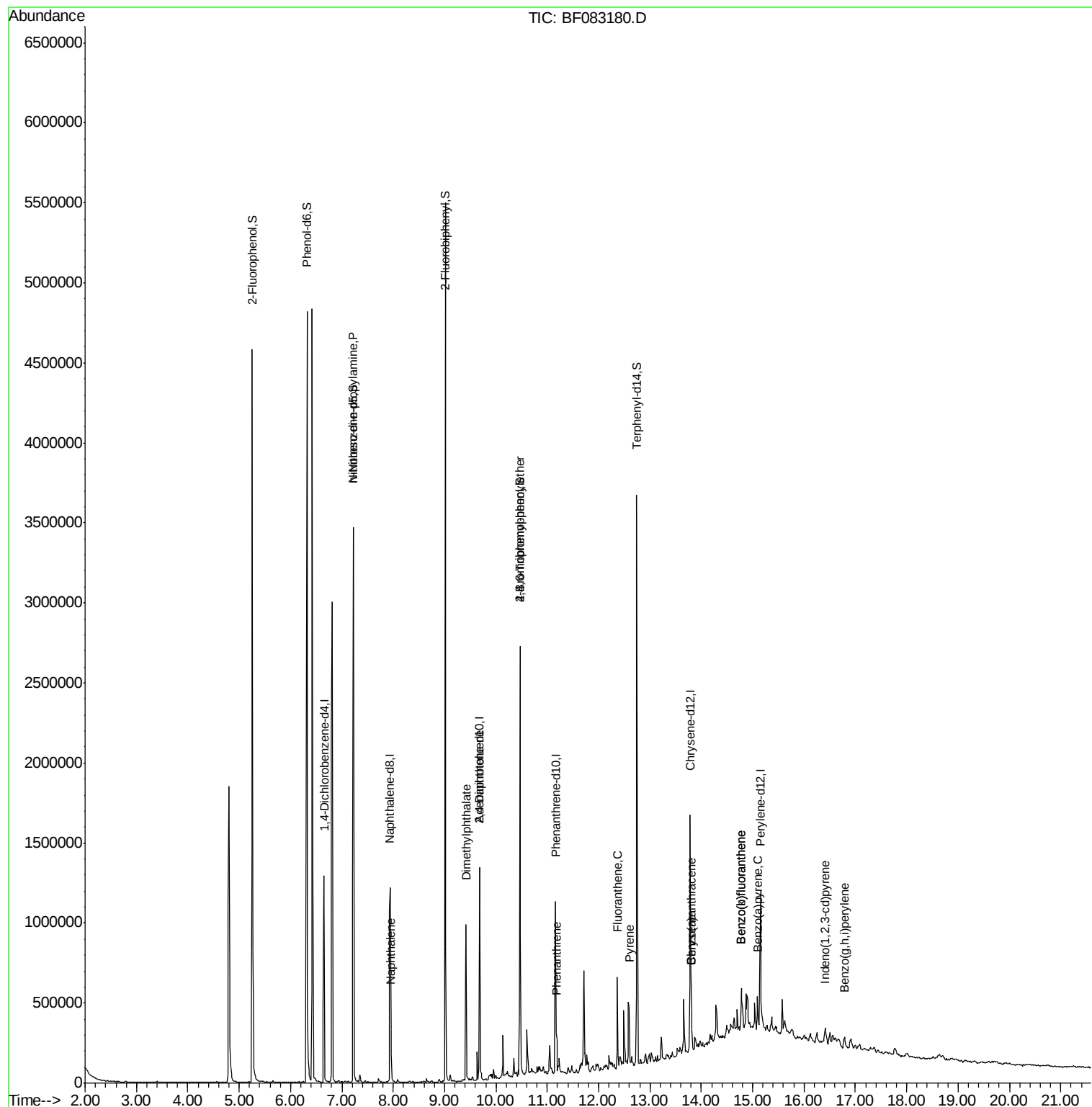
Target Compounds				Qvalue		
9) Benzaldehyde	6.32	77	3711	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	7.22	70	167440	13.39	ng	74
31) Naphthalene	7.95	128	154904	3.70	ng	99
49) Dimethylphthalate	9.42	163	356750	12.83	ng	99
56) 2,4-Dinitrotoluene	9.68	165	44635	5.64	ng	# 11
66) 4-Bromophenyl-phenylether	10.47	248	20646	3.09	ng	# 1
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	13.81	228	94137	3.21	ng	96
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	167101	5.65	ng	# 95
88) Benzo(k)fluoranthene	14.78	252	166885	7.57	ng	# 96
89) Benzo(a)pyrene	15.10	252	88284	3.62	ng	# 94
91) Benzo(g,h,i)perylene	16.79	276	54474	2.52	ng	# 94

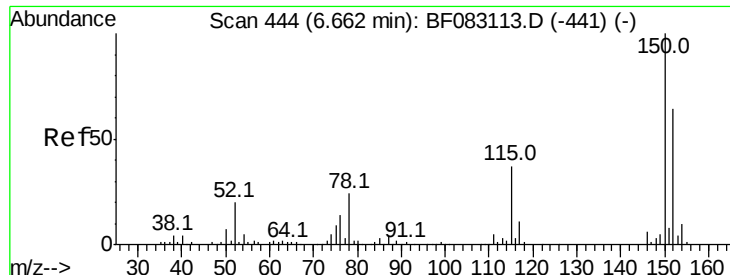
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 03:43:32 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: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

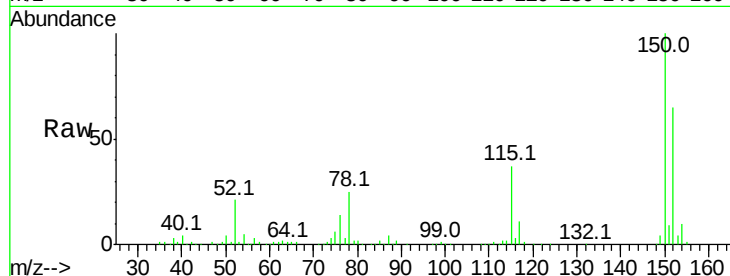
Tot Ion:152 Resp: 210027

Ion Ratio Lower Upper

152 100

150 154.8 125.8 188.8

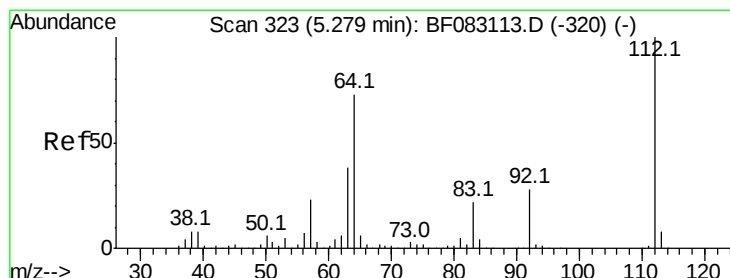
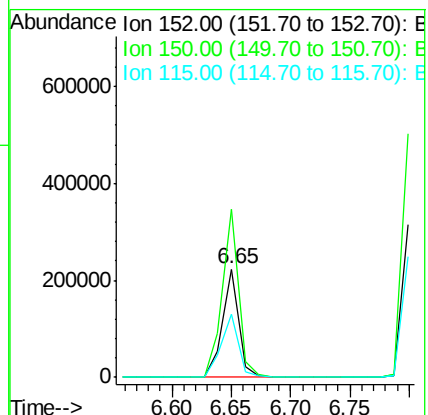
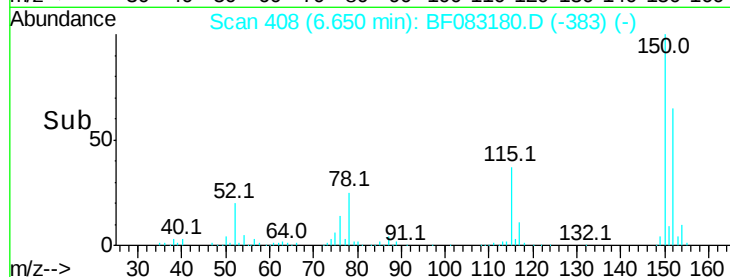
115 58.0 46.9 70.3



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

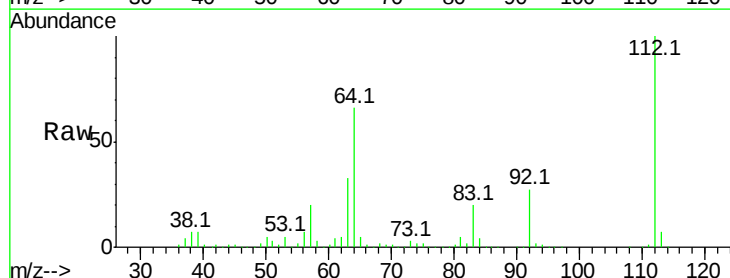
Tgt Ion:112 Resp: 1368058

Ion Ratio Lower Upper

112 100

64 66.4 58.4 87.6

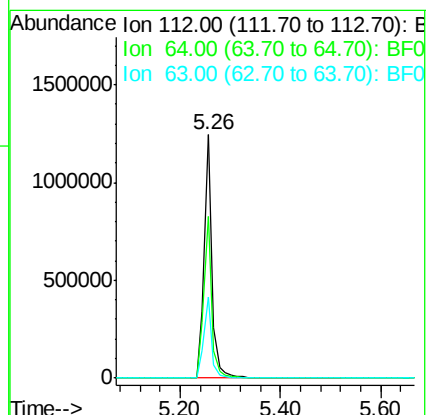
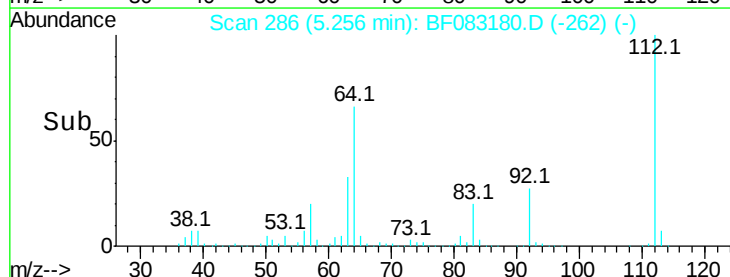
63 33.2 30.0 45.0

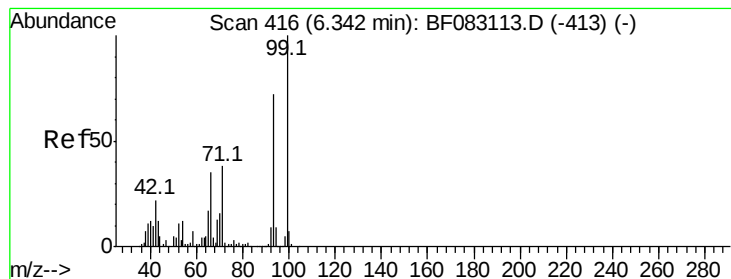


Abundance Ion 112.00 (111.70 to 112.70): E

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

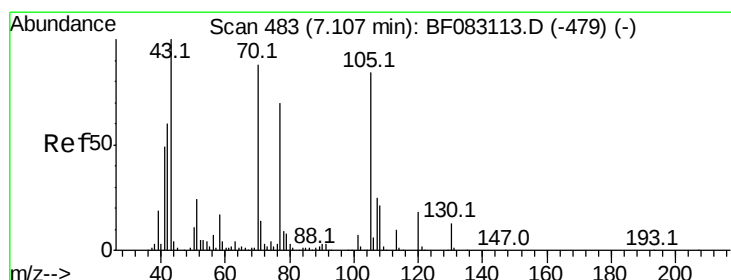
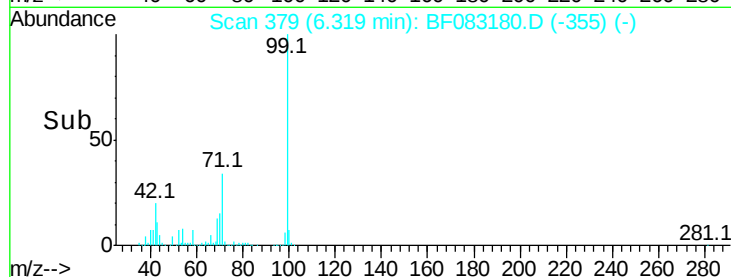
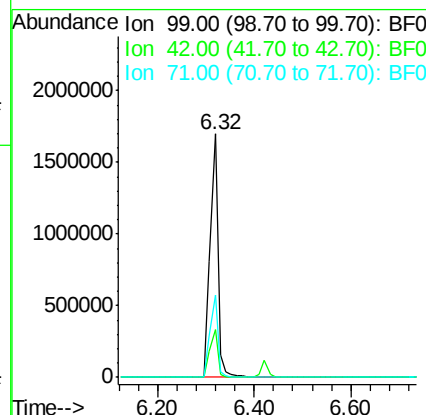
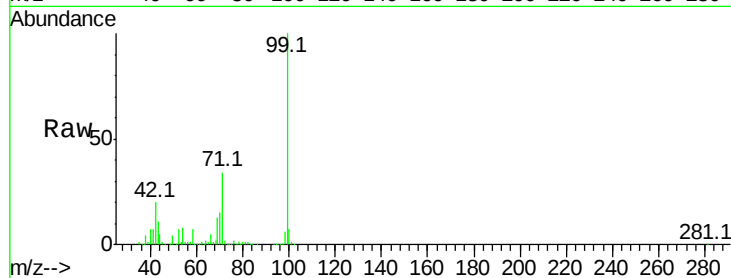
Tot Ion: 99 Resp: 1915670

Ion Ratio Lower Upper

99 100

42 19.6 17.7 26.5

71 33.8 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.39 ng

RT: 7.22 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Tgt Ion: 70 Resp: 167440

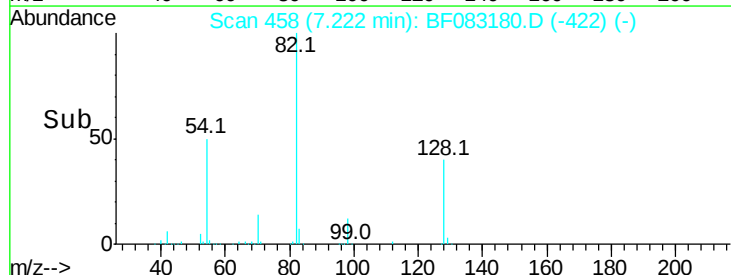
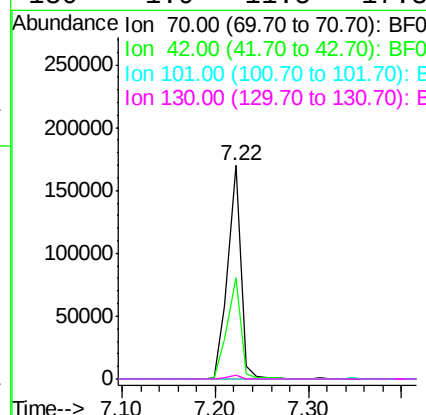
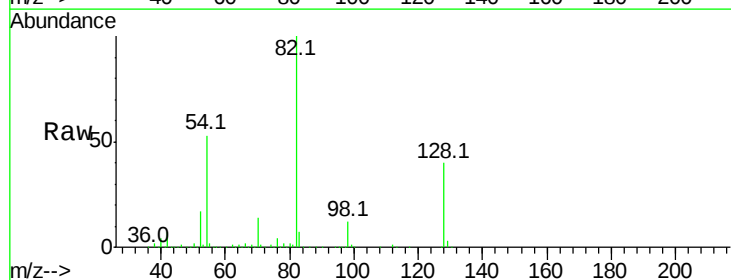
Ion Ratio Lower Upper

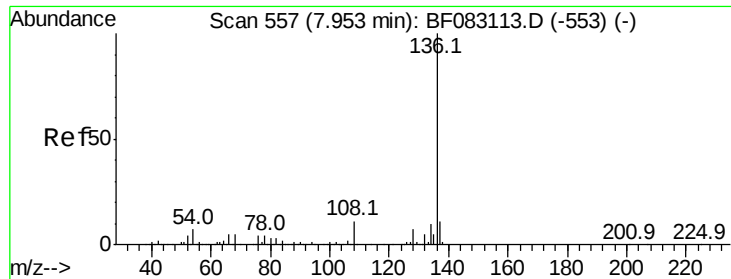
70 100

42 47.1 54.5 81.7#

101 0.0 6.6 9.8#

130 1.9 11.5 17.3#

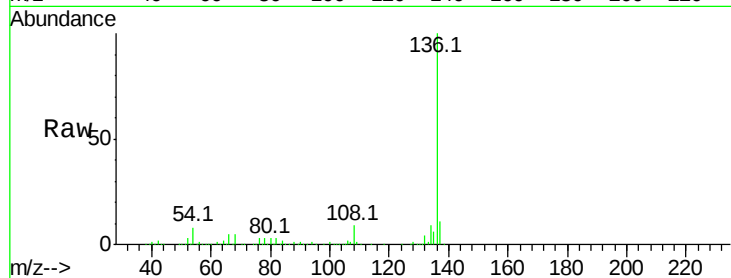




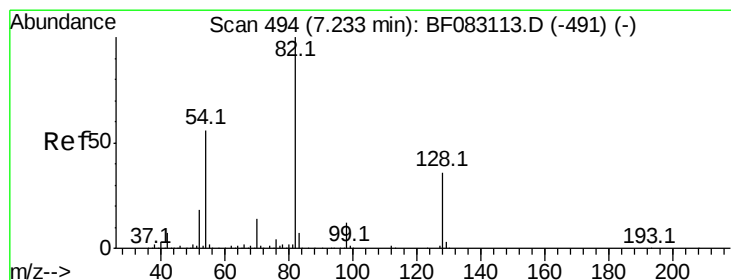
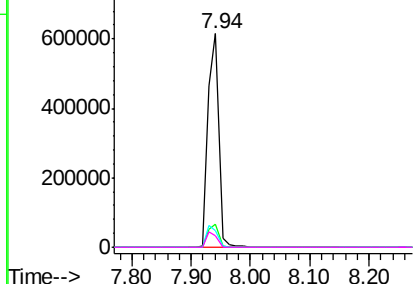
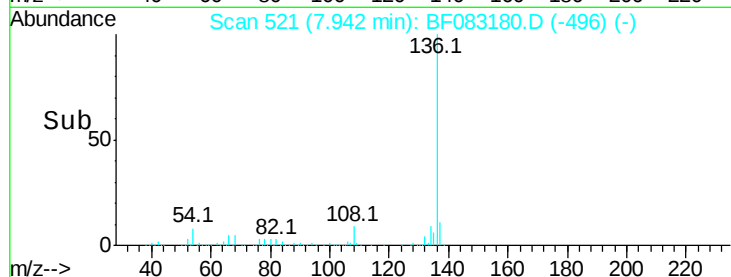
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.94 min Scan# 521
Delta R.T. -0.01 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

Tot 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

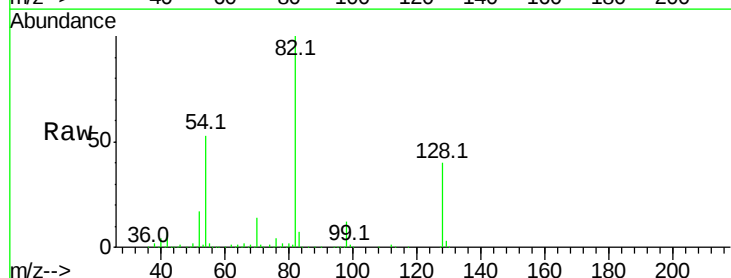


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

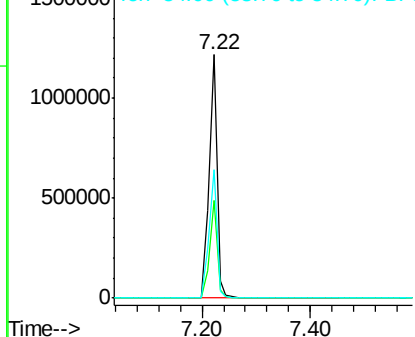
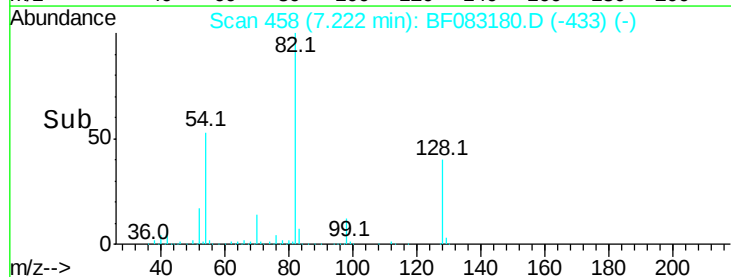


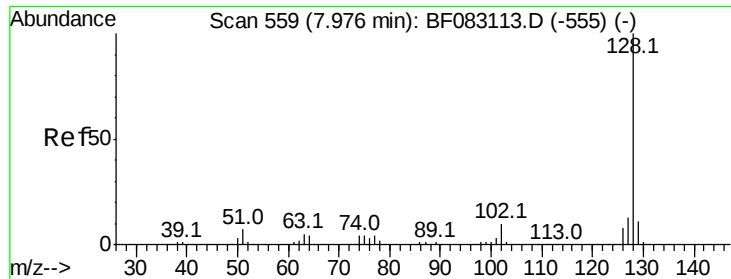
#23
Nitrobenzene-d5
Concen: 72.15 ng
RT: 7.22 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

Tgt 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): E
Ion 54.00 (53.70 to 54.70): BF0

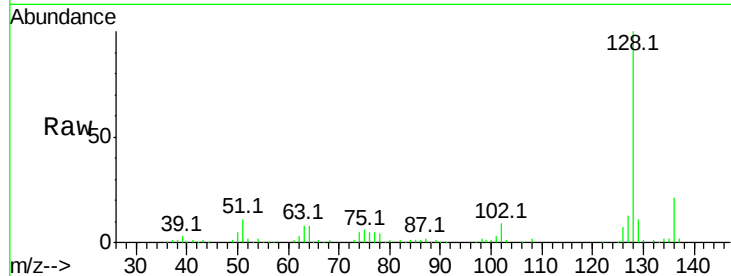




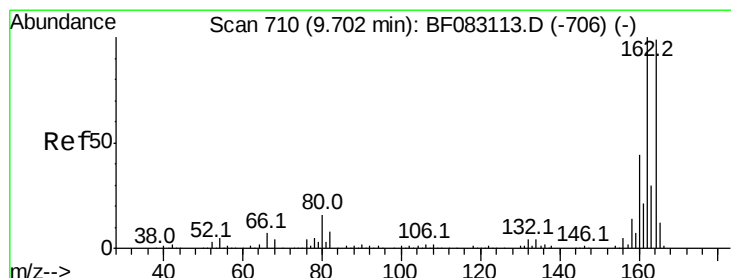
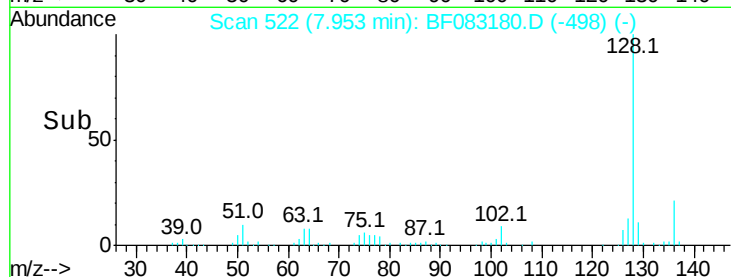
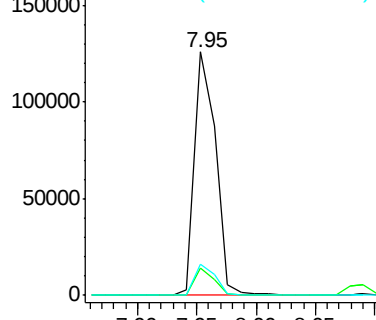
#31
Naphthalene
Concen: 3.70 ng
RT: 7.95 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

Tot Ion:128 Resp: 154904
Ion Ratio Lower Upper
128 100
129 11.4 9.0 13.4
127 13.0 10.6 15.8

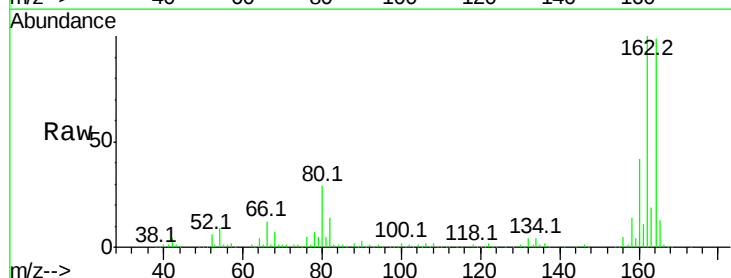


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

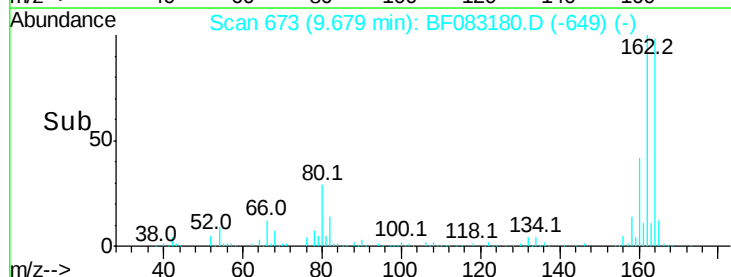
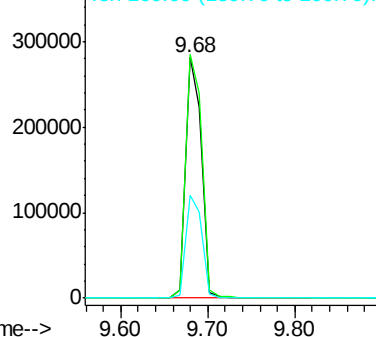


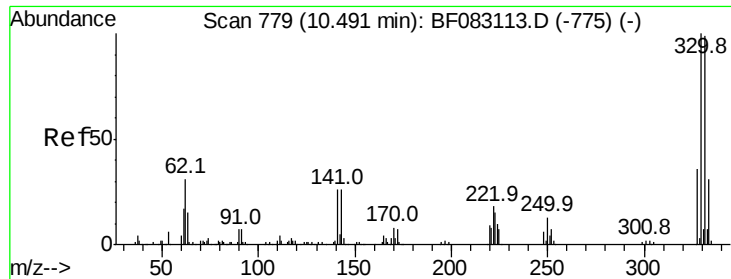
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

Tgt Ion:164 Resp: 361298
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

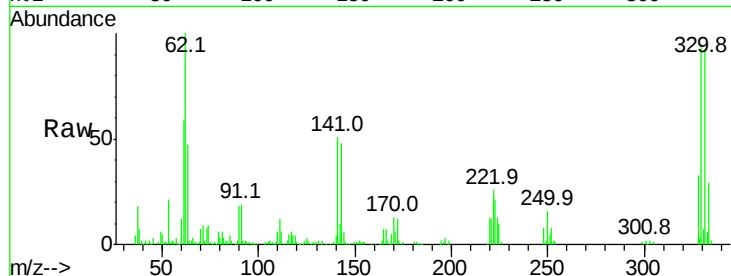




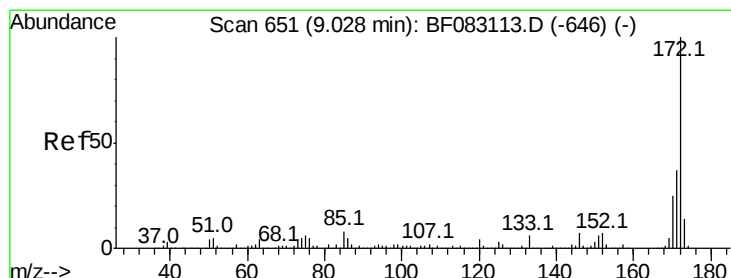
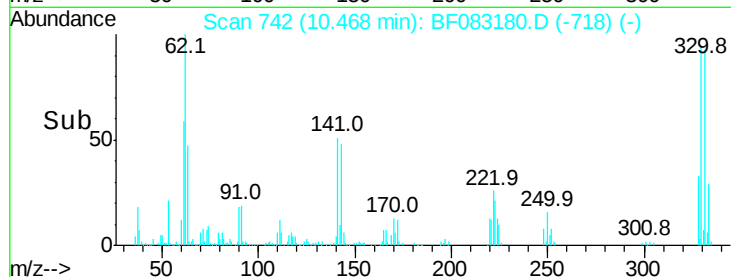
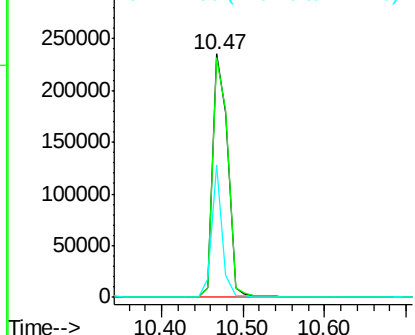
#41
 2,4,6-Tribromophenol
 Concen: 82.17 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-1

Tot Ion:330 Resp: 303718
 Ion Ratio Lower Upper
 330 100
 332 99.5 77.7 116.5
 141 39.7 29.7 44.5

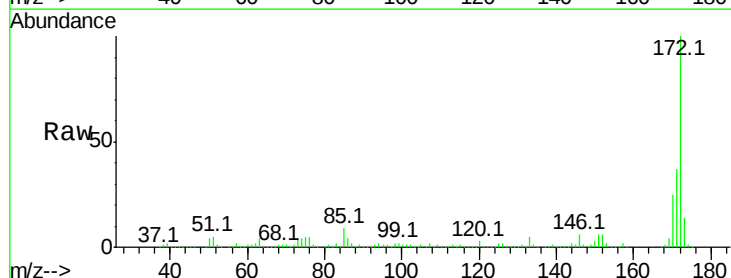


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

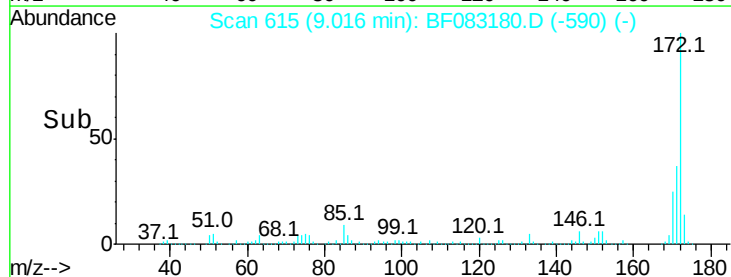
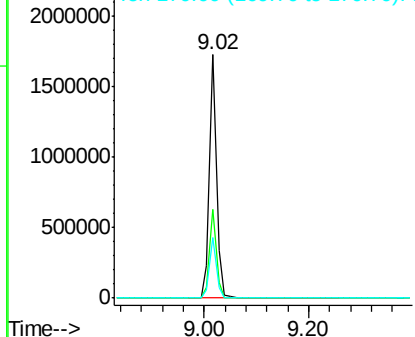


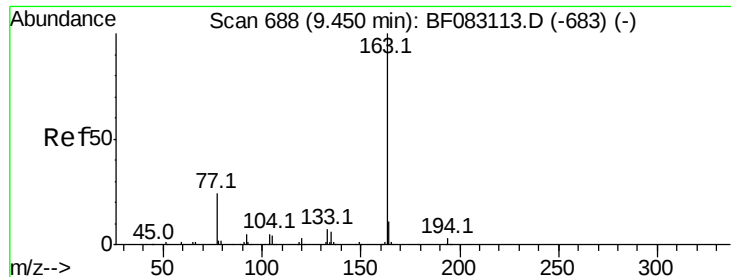
#44
 2-Fluorobiphenyl
 Concen: 62.32 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083180.D
 Acq: 23 Nov 2015 1:35

Tgt 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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

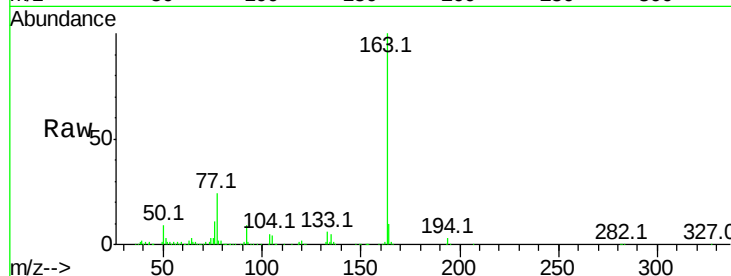
Tot Ion:163 Resp: 356750

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

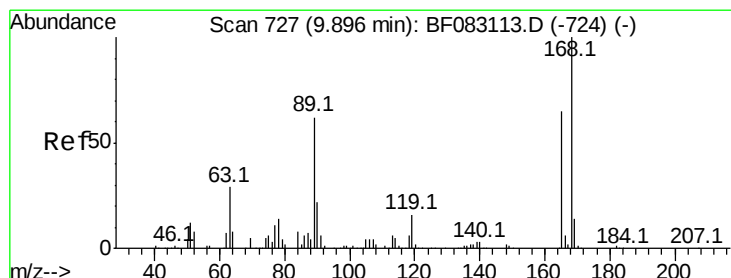
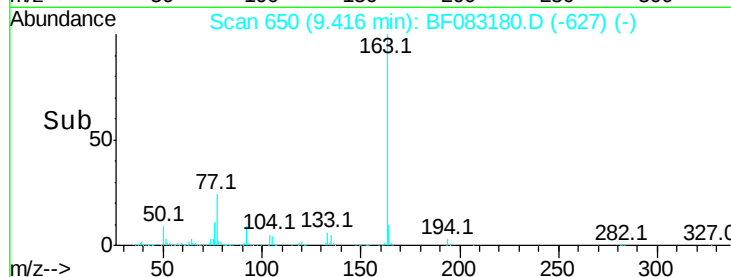
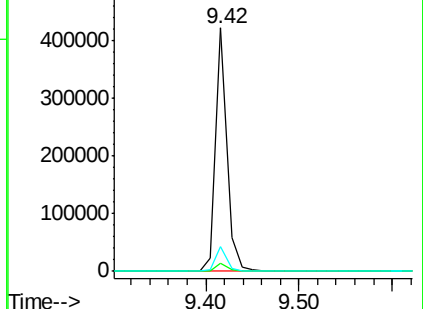
164 10.3 8.6 12.8



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



#56

2,4-Dinitrotoluene

Concen: 5.64 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.22 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Tgt Ion:165 Resp: 44635

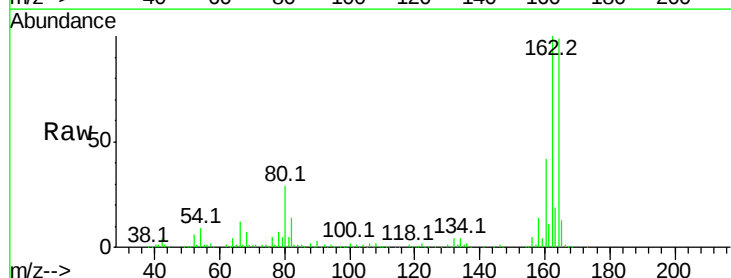
Ion Ratio Lower Upper

165 100

63 1.5 54.5 81.7#

89 2.1 77.3 115.9#

182 0.0 1.8 2.6#

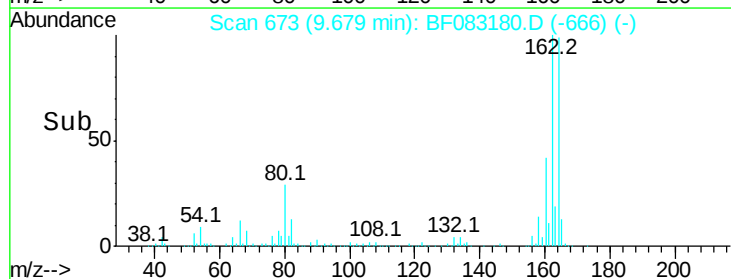
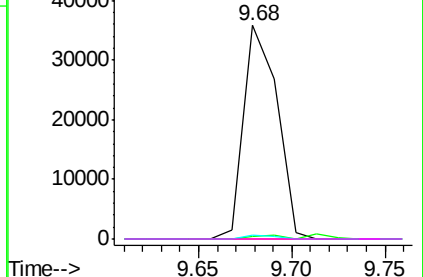


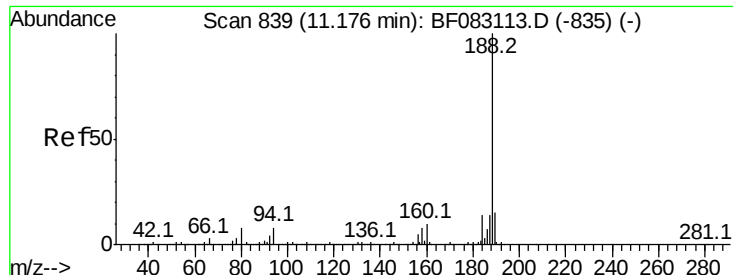
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

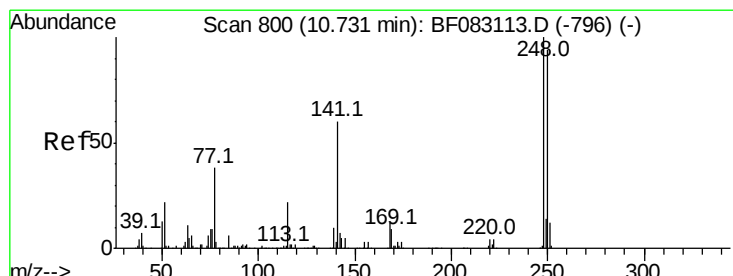
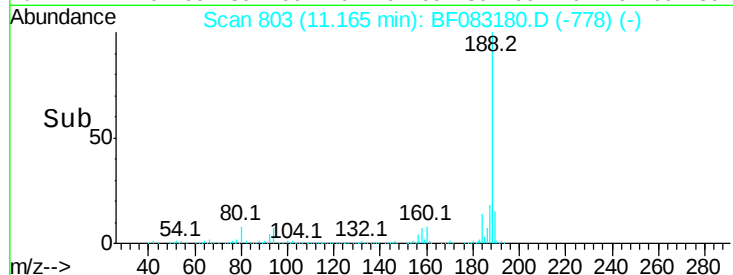
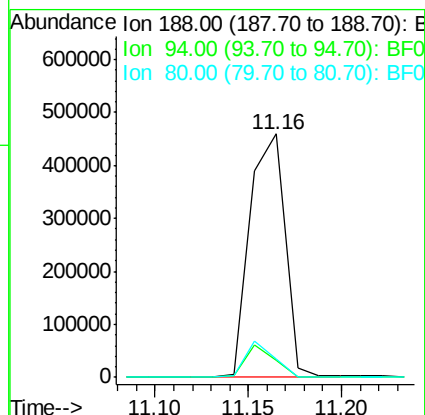
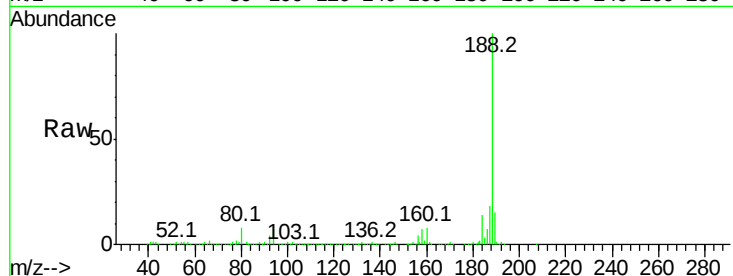




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

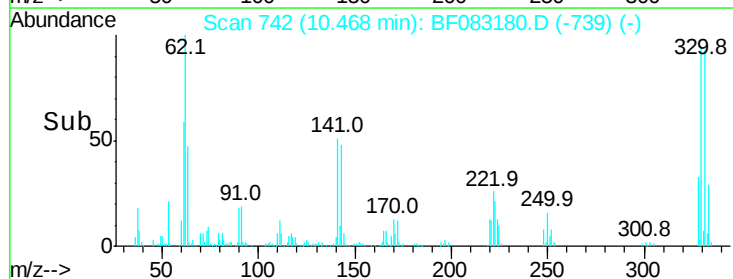
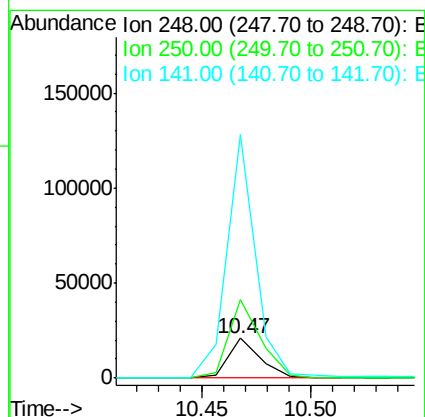
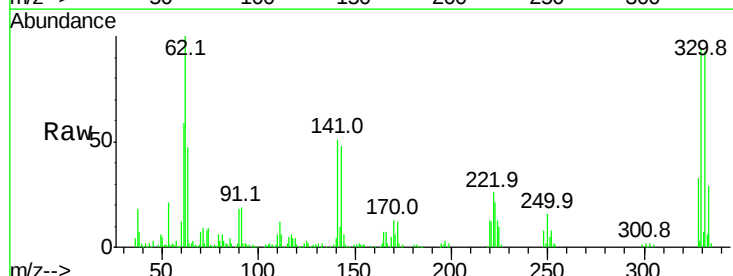
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

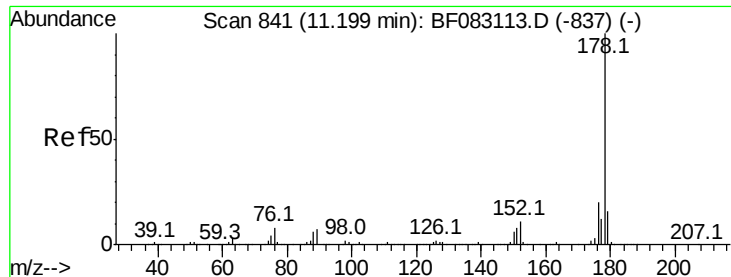
Tot Ion:188 Resp: 602541
Ion Ratio Lower Upper
188 100
94 7.0 6.0 9.0
80 7.6 6.7 10.1



#66
4-Bromophenyl-phenylether
Concen: 3.09 ng
RT: 10.47 min Scan# 742
Delta R.T. -0.26 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

Tgt Ion:248 Resp: 20646
Ion Ratio Lower Upper
248 100
250 198.0 75.4 113.2#
141 616.6 48.1 72.1#

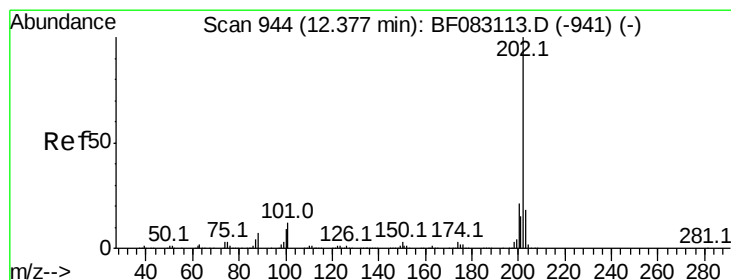
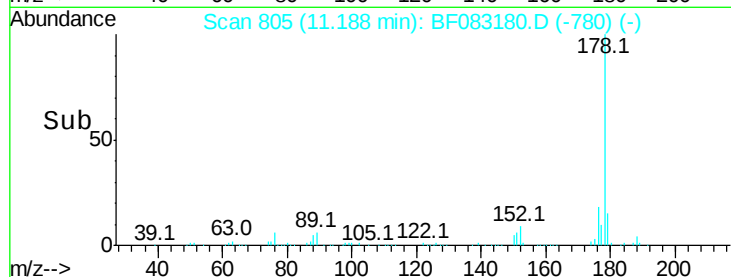
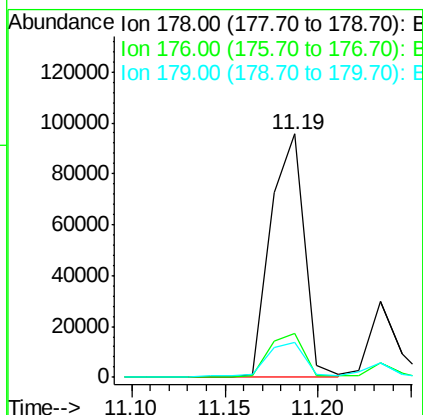
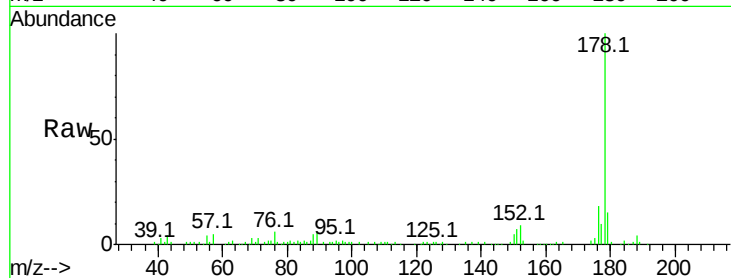




#70
Phenanthrene
Concen: 3.47 ng
RT: 11.19 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF083180.D
Acq: 23 Nov 2015 1:35

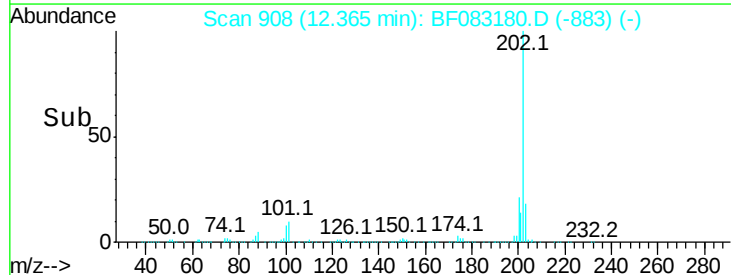
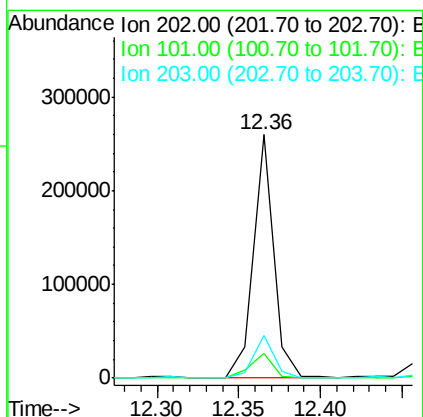
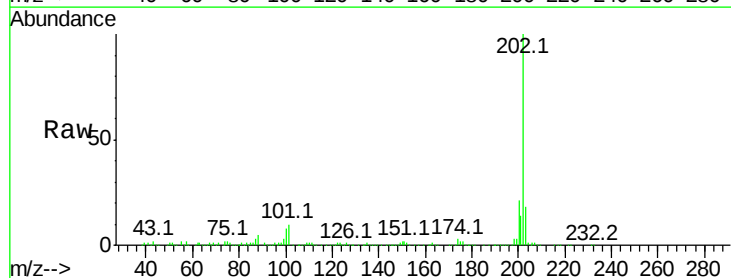
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-1

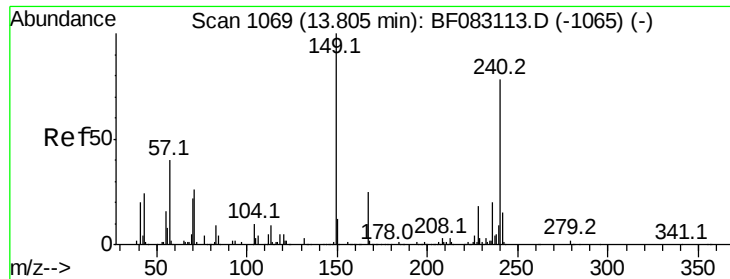
Tot Ion:178 Resp: 120535
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.2
179 14.6 12.8 19.2



#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

Tgt 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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

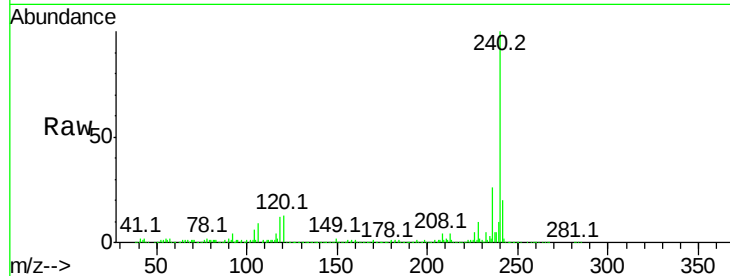
Tot Ion:240 Resp: 474715

Ion Ratio Lower Upper

240 100

120 12.9 5.4 8.2#

236 26.4 20.6 31.0



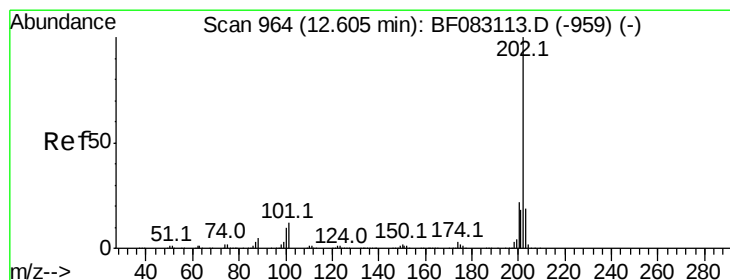
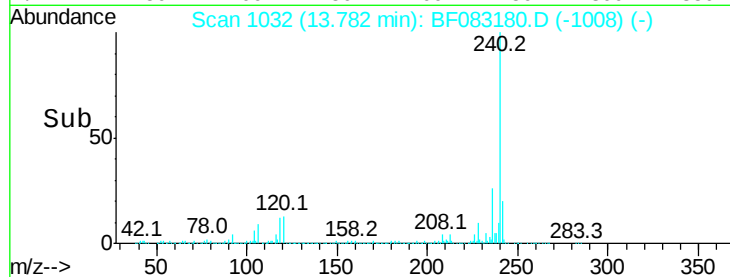
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.78

Time--> 13.70 13.80 13.90



#77

Pyrene

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

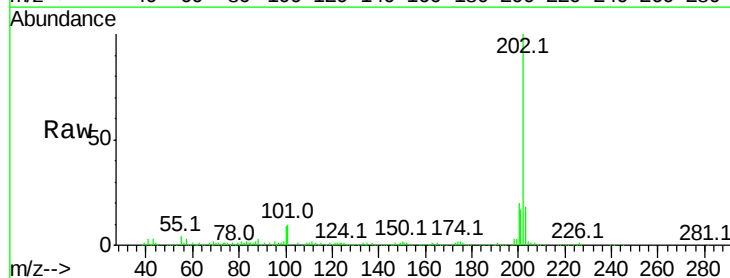
Tgt Ion:202 Resp: 221122

Ion Ratio Lower Upper

202 100

200 20.2 17.8 26.6

203 17.6 15.0 22.4



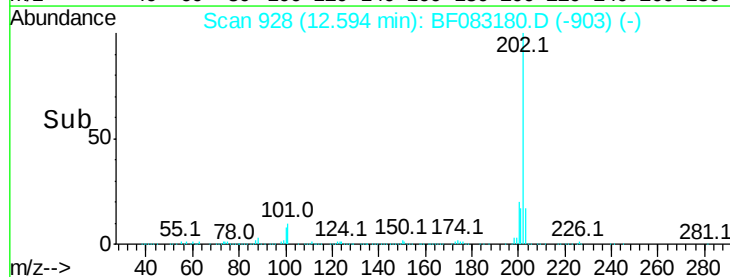
Abundance Ion 202.00 (201.70 to 202.70): E

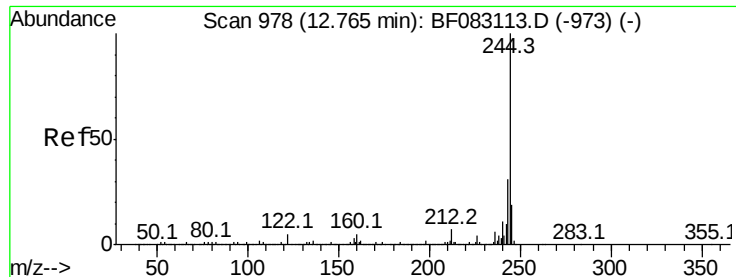
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.59

Time--> 12.50 12.60 12.70





#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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

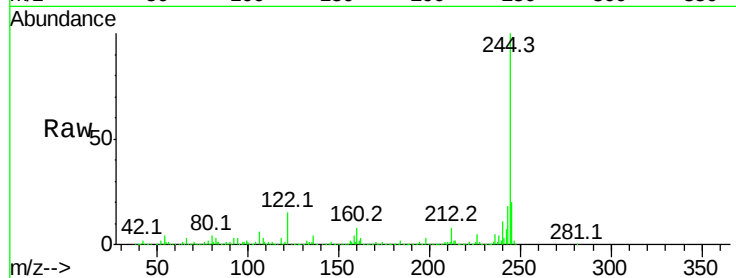
Tot Ion:244 Resp: 1208868

Ion Ratio Lower Upper

244 100

212 7.9 5.4 8.2

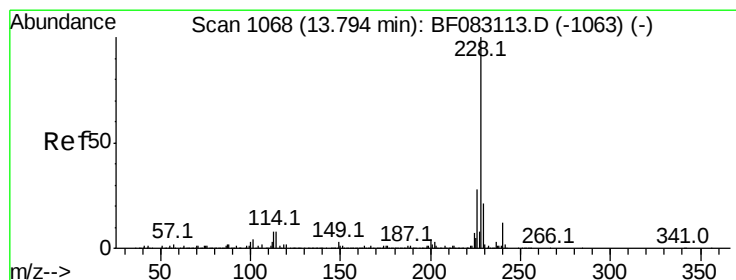
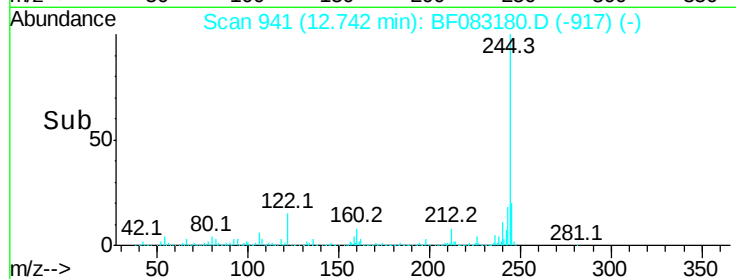
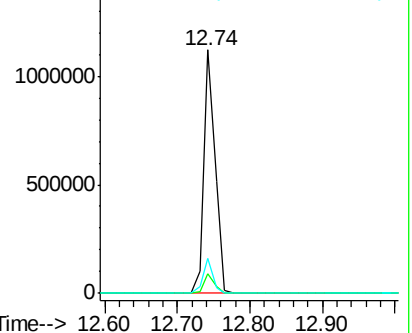
122 14.6 4.3 6.5#



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: 3.21 ng

RT: 13.81 min Scan# 1034

Delta R.T. 0.01 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

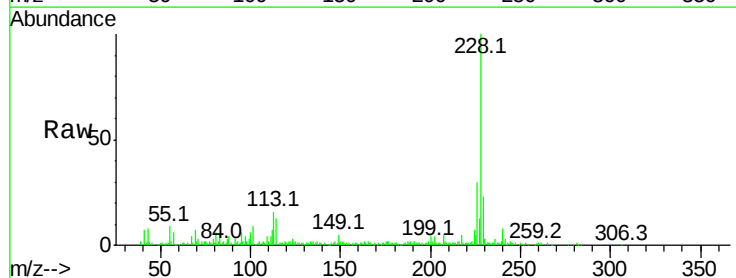
Tgt Ion:228 Resp: 94137

Ion Ratio Lower Upper

228 100

226 30.0 22.6 33.8

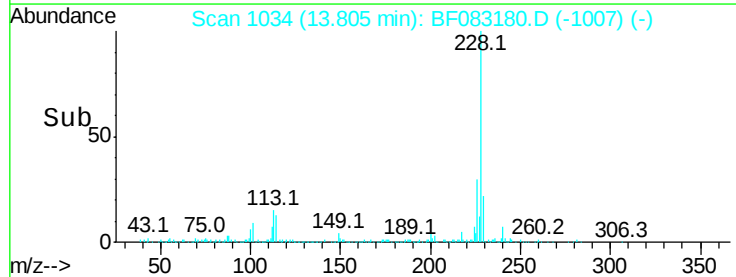
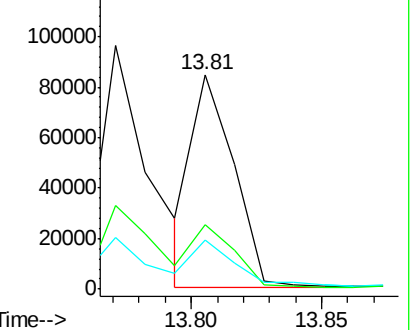
229 22.9 16.6 24.8

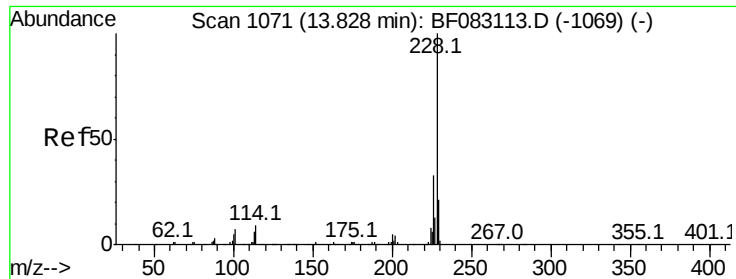


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

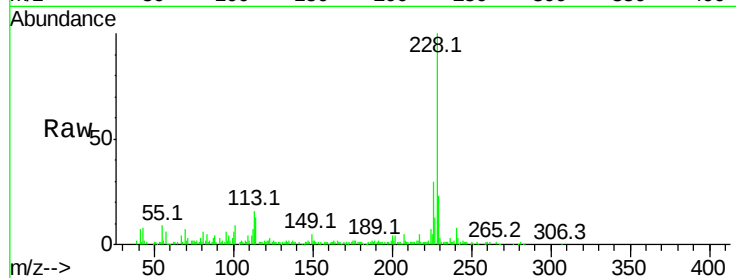
Tot Ion:228 Resp: 94137

Ion Ratio Lower Upper

228 100

226 30.0 25.5 38.3

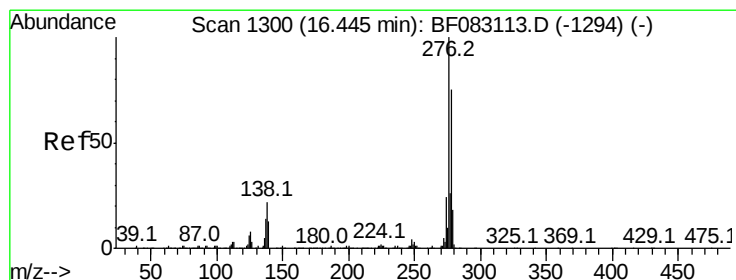
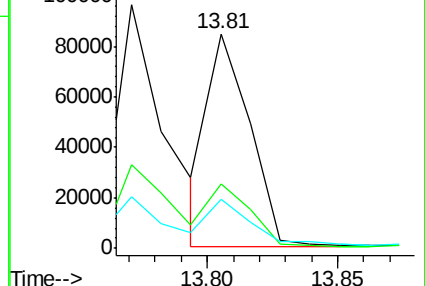
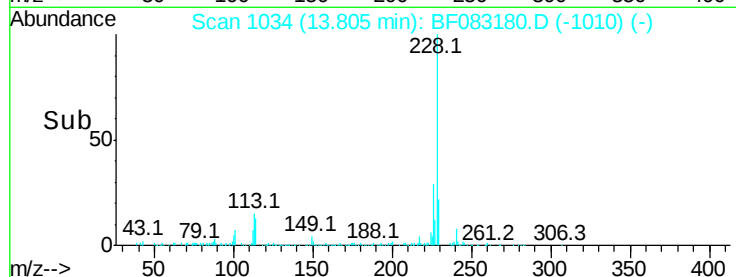
229 22.9 16.6 25.0



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: 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

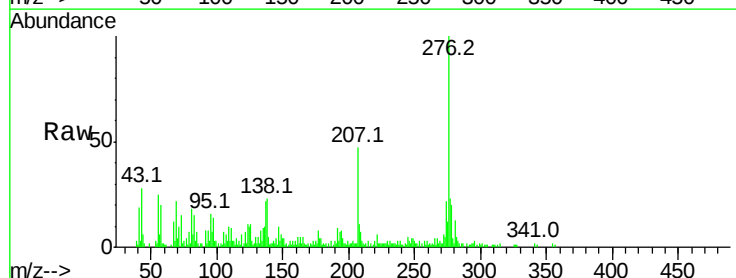
Tgt Ion:276 Resp: 56420

Ion Ratio Lower Upper

276 100

138 19.9 18.0 27.0

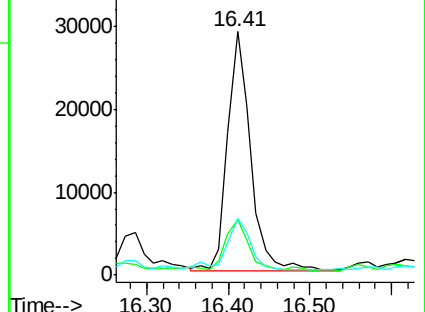
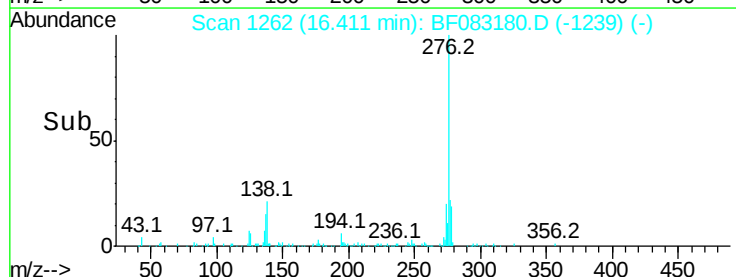
277 24.0 20.2 30.4

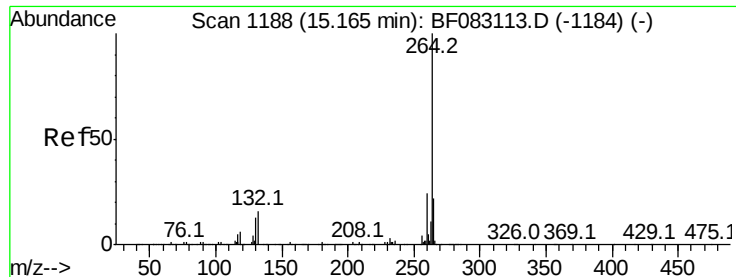


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

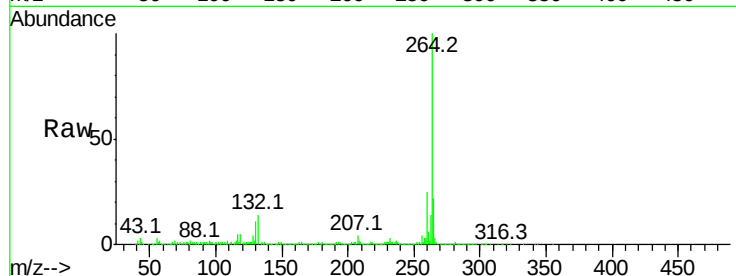
Tot Ion:264 Resp: 432809

Ion Ratio Lower Upper

264 100

260 24.5 19.1 28.7

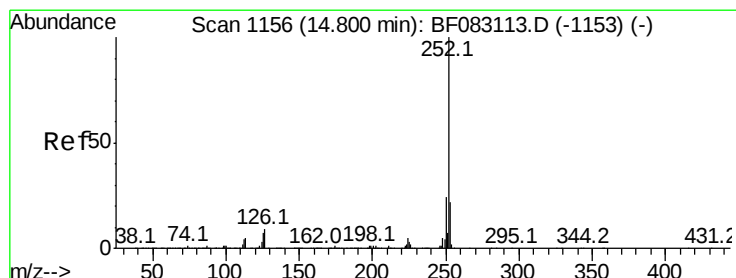
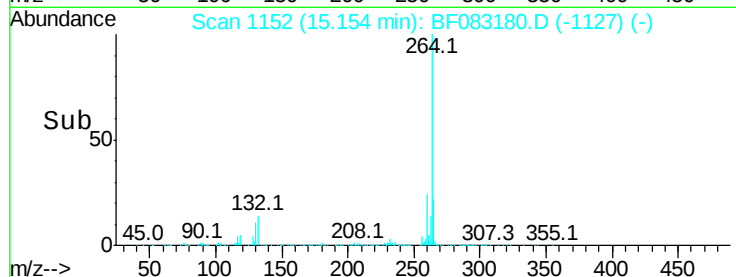
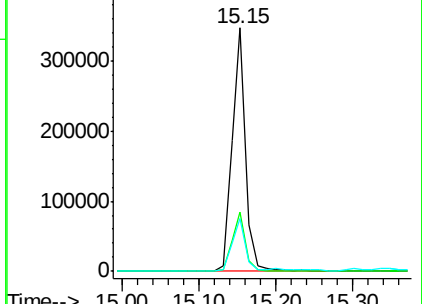
265 22.0 18.2 27.4



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: 5.65 ng

RT: 14.78 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

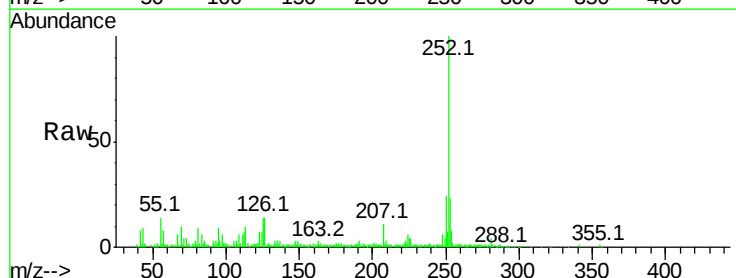
Tgt Ion:252 Resp: 167101

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

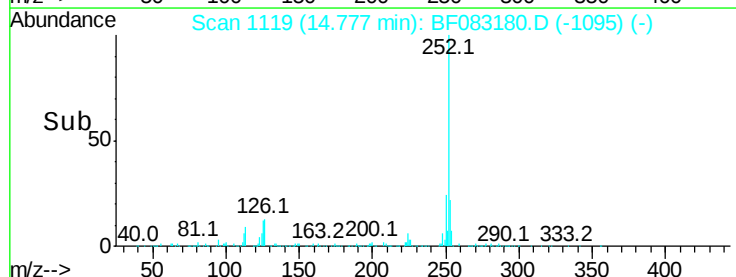
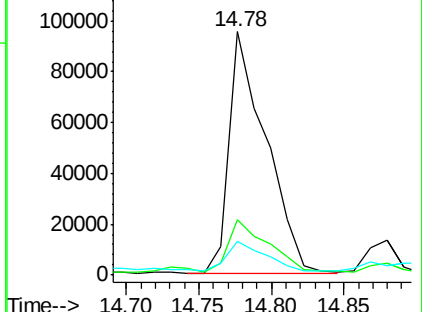
125 13.9 5.6 8.4#

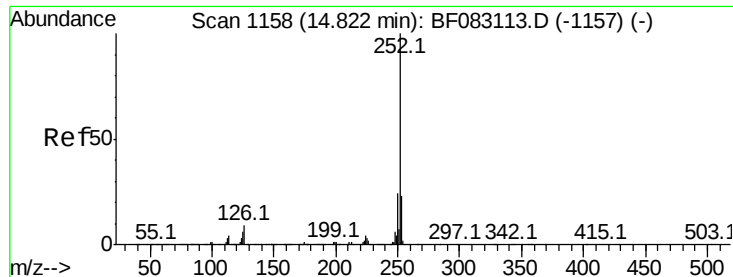


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 7.57 ng

RT: 14.78 min Scan# 1119

Delta R.T. -0.05 min

Lab File: BF083180.D

Acq: 23 Nov 2015 1:35

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

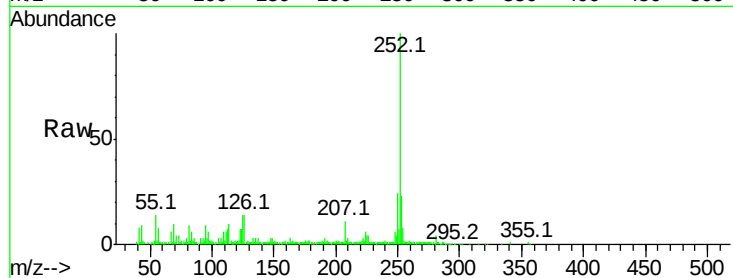
Tot Ion:252 Resp: 166885

Ion Ratio Lower Upper

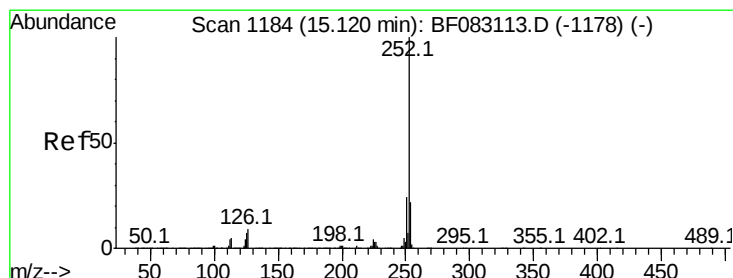
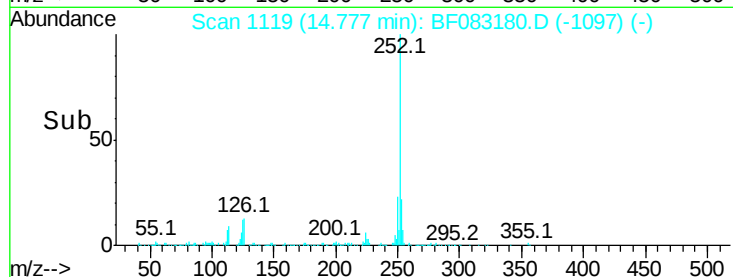
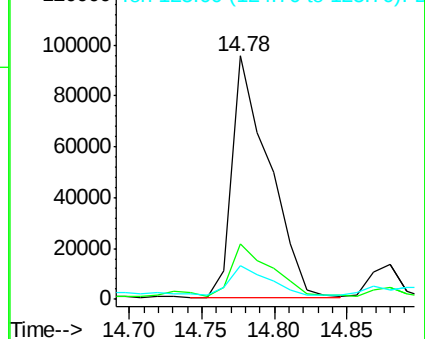
252 100

253 22.5 18.2 27.2

125 13.9 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

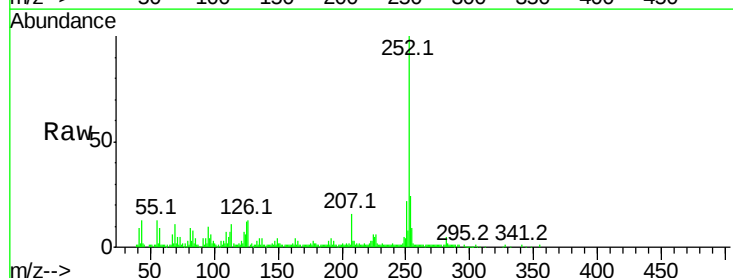
Tgt Ion:252 Resp: 88284

Ion Ratio Lower Upper

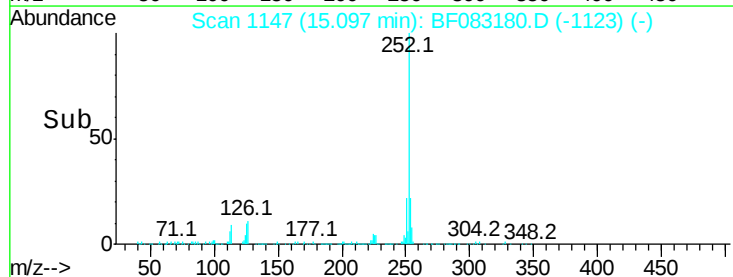
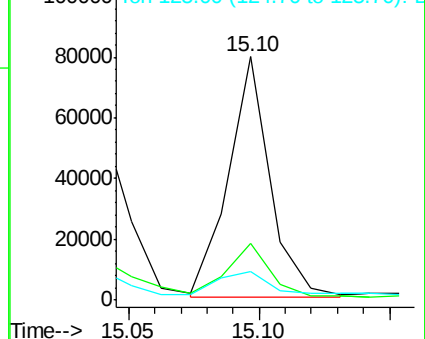
252 100

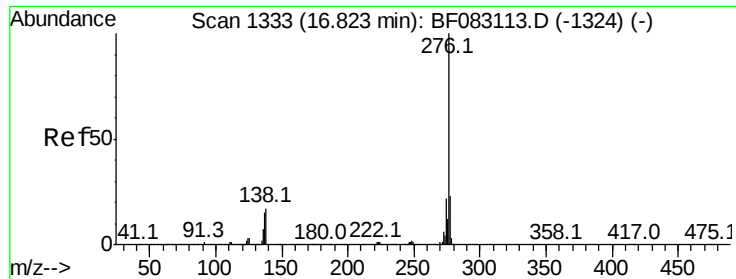
253 23.5 17.5 26.3

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(a,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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-1

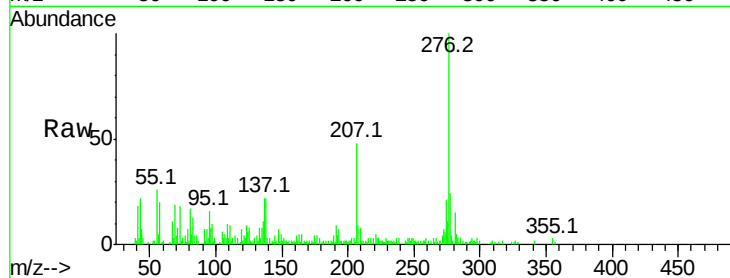
Tot Ion:276 Resp: 54474

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

