

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112215\
 Data File : BF083182.D
 Acq On : 23 Nov 2015 2:33
 Operator : UM/IZ
 Sample : G4512-03
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-3

Quant Time: Nov 23 06:23:55 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

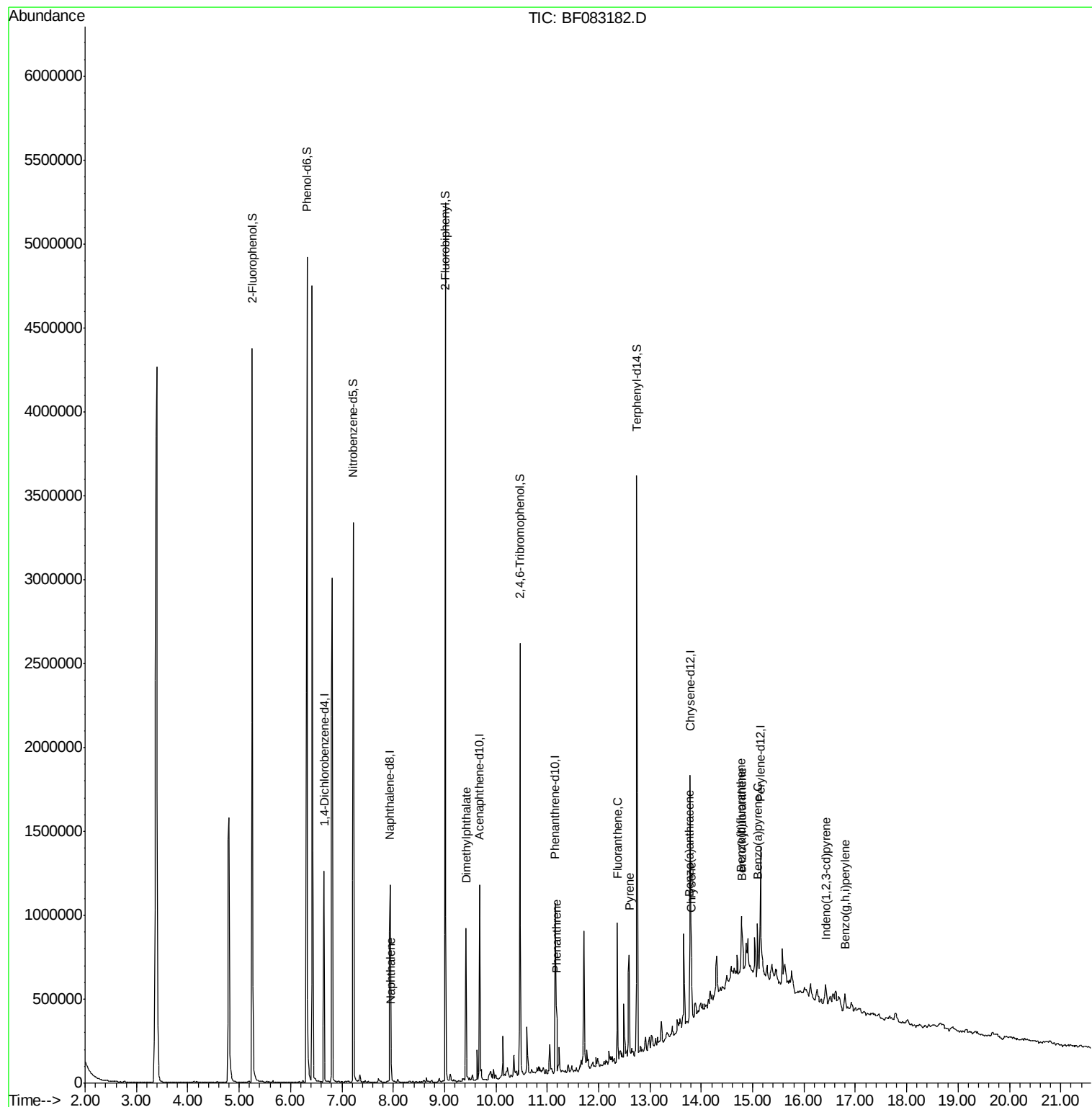
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	195228	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	704721	20.00	ng	-0.01
38) Acenaphthene-d10	9.68	164	319888	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	520926	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	439179	20.00	ng	-0.02
86) Perylene-d12	15.15	264	333665	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1404107	108.74	ng	-0.02
7) Phenol-d6	6.32	99	1912187	114.45	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1189766	77.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	294622	90.03	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	1604931	69.96	ng	-0.01
78) Terphenyl-d14	12.74	244	1234359	66.19	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.95	128	86640	2.28	ng	99
49) Dimethylphthalate	9.42	163	332996	13.52	ng	98
70) Phenanthrene	11.19	178	199944	6.66	ng	97
74) Fluoranthene	12.36	202	340400	11.08	ng	97
77) Pyrene	12.59	202	322857	10.76	ng	97
80) Benzo(a)anthracene	13.77	228	184842	6.81	ng	95
82) Chrysene	13.81	228	150475	5.97	ng	97
85) Indeno(1,2,3-cd)pyrene	16.42	276	78756	3.44	ng	98
87) Benzo(b)fluoranthene	14.78	252	161941m	7.10	ng	
88) Benzo(k)fluoranthene	14.79	252	77550m	4.57	ng	
89) Benzo(a)pyrene	15.10	252	120984	6.43	ng	# 89
91) Benzo(a,h,i)perylene	16.80	276	77595	4.65	ng	# 90

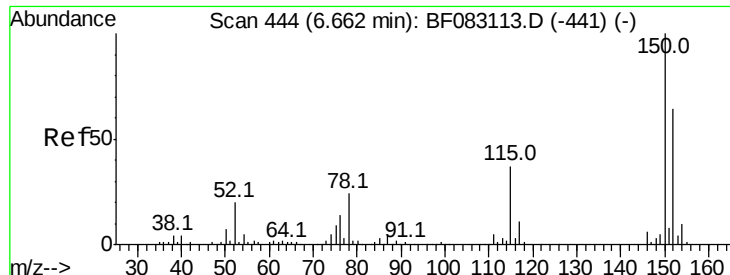
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 68 Sample Multiplier: 1

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BNA_F
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Quant Time: Nov 23 06:23:55 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: BF083182.D

Acq: 23 Nov 2015 2:33

Instrument :

BNA_F

ClientSampled :

FILL-DIRT-3

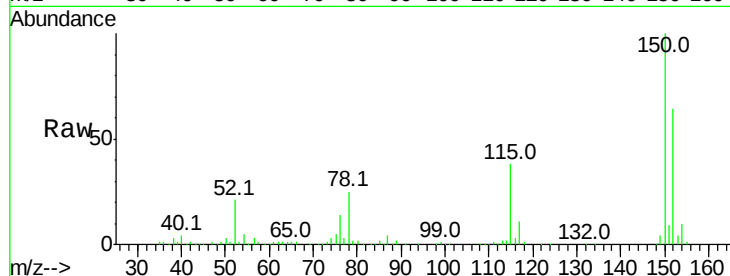
Tot Ion:152 Resp: 195228

Ion Ratio Lower Upper

152 100

150 155.6 125.8 188.8

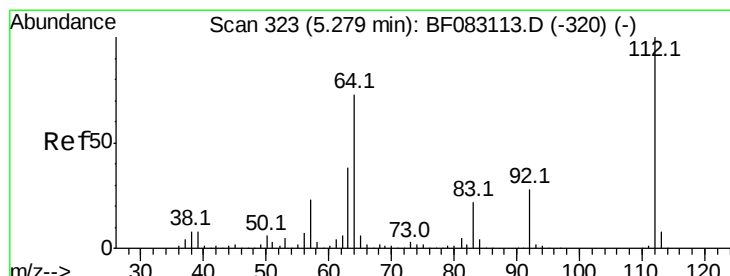
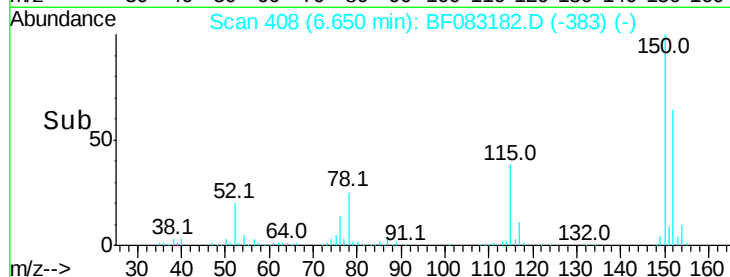
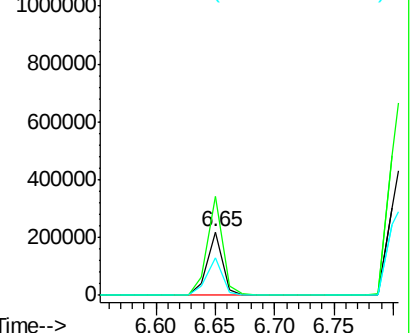
115 58.8 46.9 70.3



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: 108.74 ng

RT: 5.26 min Scan# 286

Delta R.T. -0.02 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

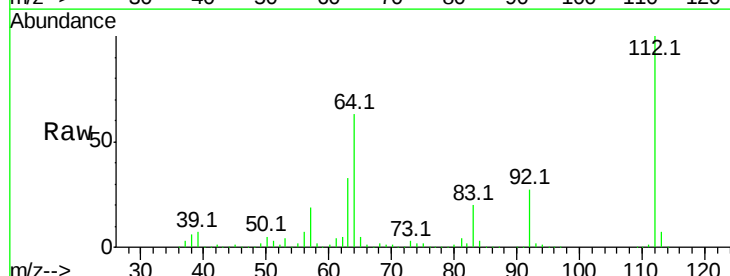
Tgt Ion:112 Resp: 1404107

Ion Ratio Lower Upper

112 100

64 63.2 58.4 87.6

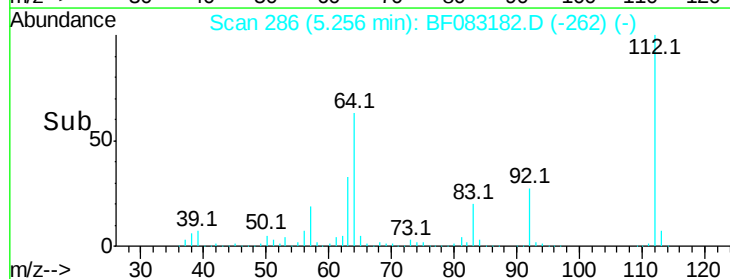
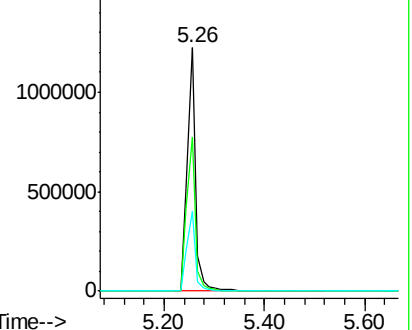
63 32.5 30.0 45.0

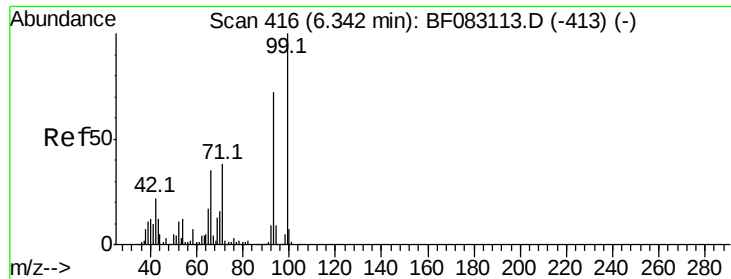


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.45 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

Instrument :

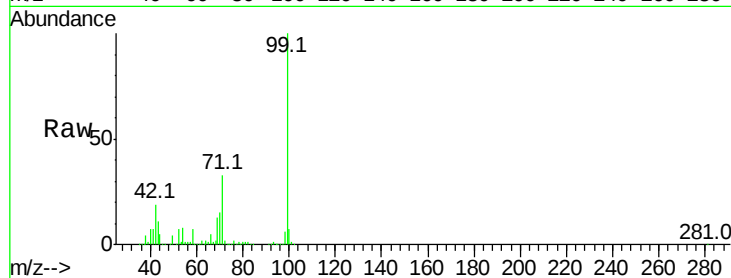
BNA_F

ClientSampleId :

FILL-DIRT-3

Tot Ion: 99 Resp: 1912187

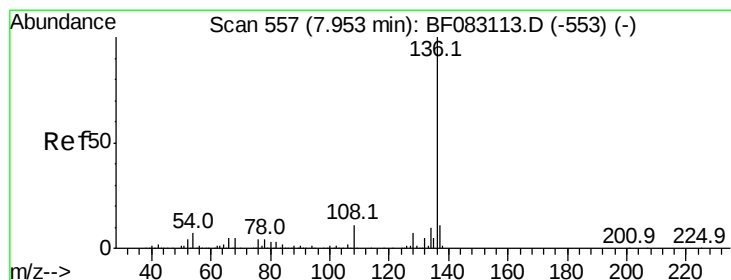
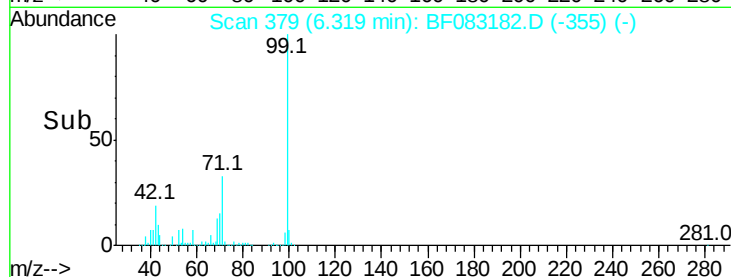
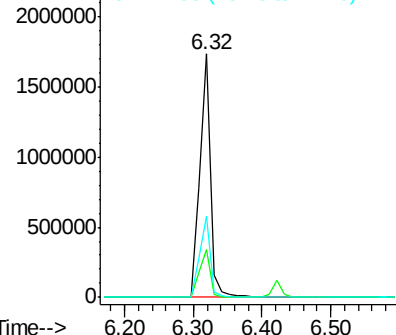
Ion	Ratio	Lower	Upper
99	100		
42	19.4	17.7	26.5
71	33.3	30.2	45.4



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

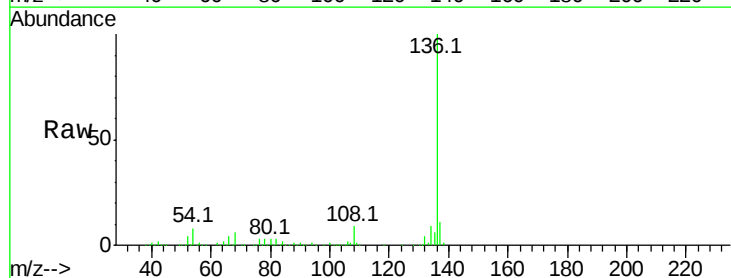
Delta R.T. -0.01 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

Tgt Ion: 136 Resp: 704721

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.6	5.8	8.6
68	5.6	3.8	5.8

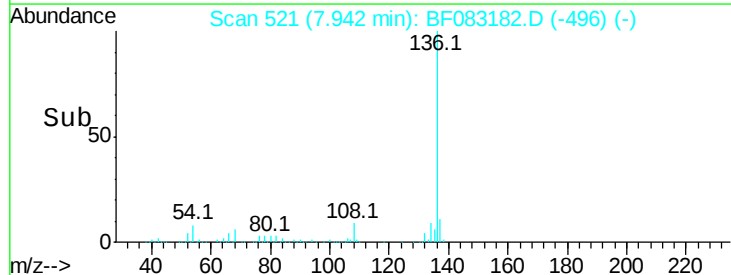
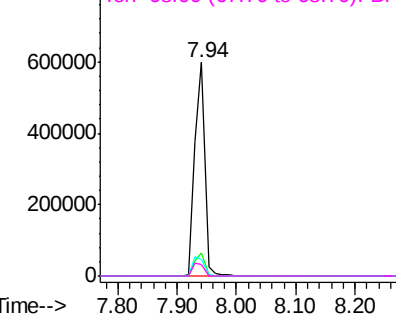


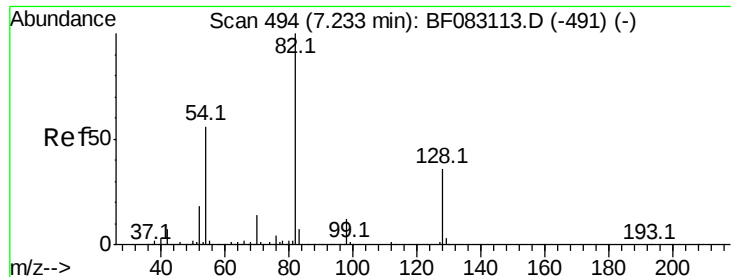
Abundance Ion 136.00 (135.70 to 136.70): E

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



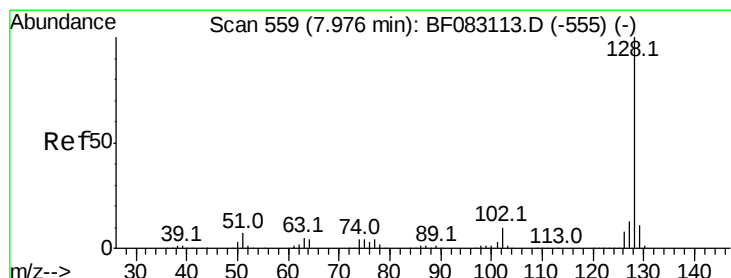
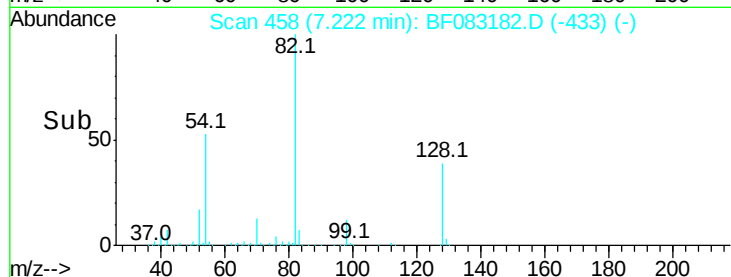
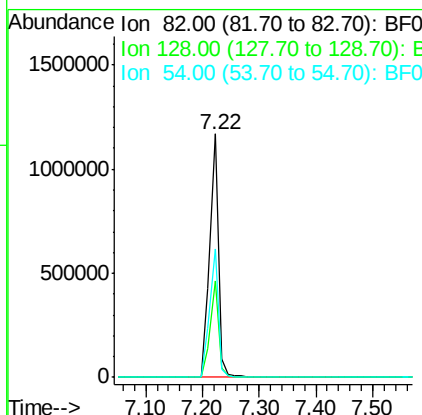
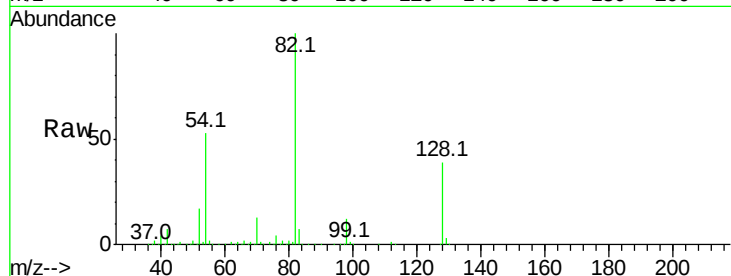


#23
 Nitrobenzene-d5
 Concen: 77.14 ng
 RT: 7.22 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: BF083182.D
 Acq: 23 Nov 2015 2:33

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-3

Tot Ion: 82 Resp: 1189766

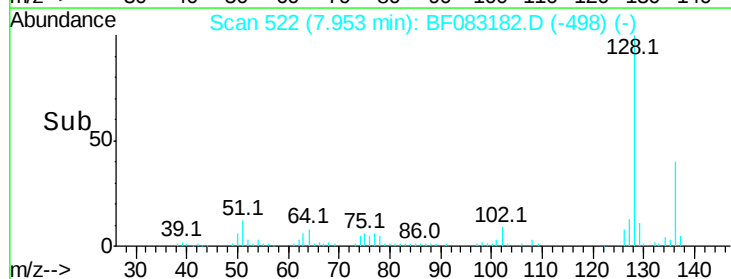
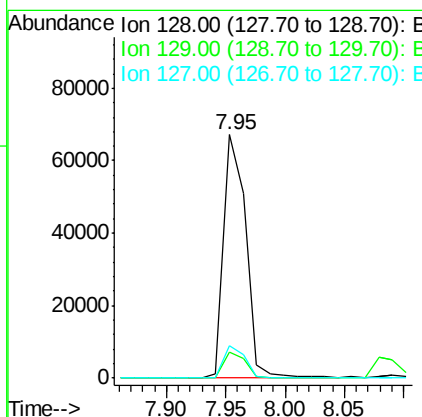
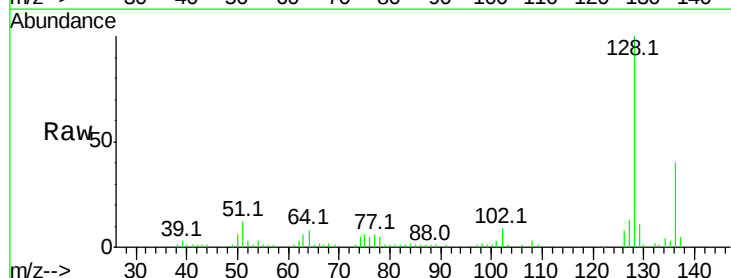
Ion	Ratio	Lower	Upper
82	100		
128	39.4	28.5	42.7
54	52.8	44.6	67.0

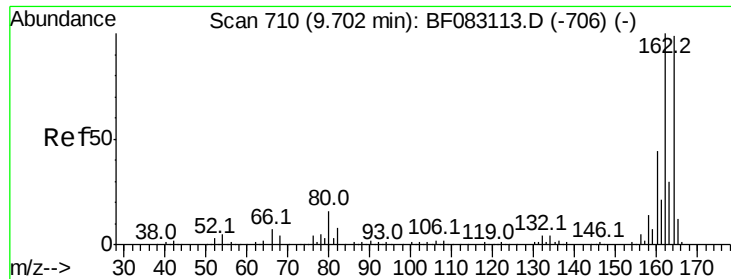


#31
 Naphthalene
 Concen: 2.28 ng
 RT: 7.95 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: BF083182.D
 Acq: 23 Nov 2015 2:33

Tgt Ion: 128 Resp: 86640

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	13.4	10.6	15.8

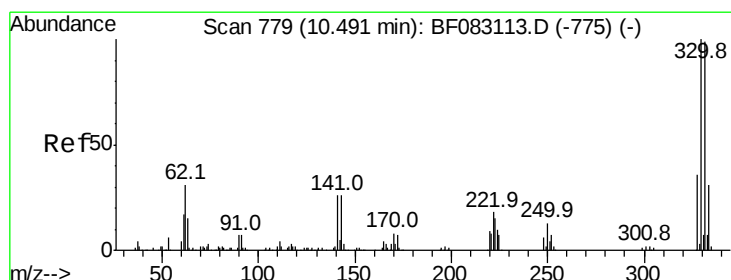
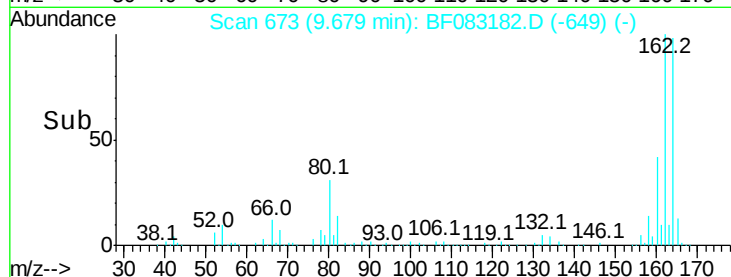
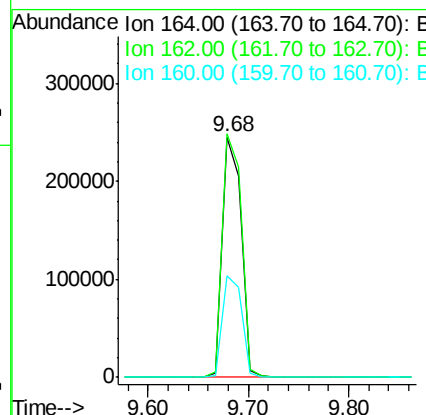
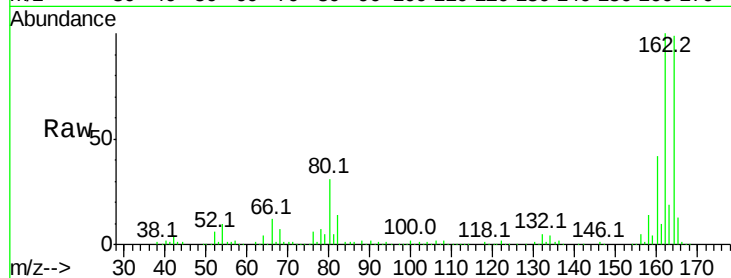




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

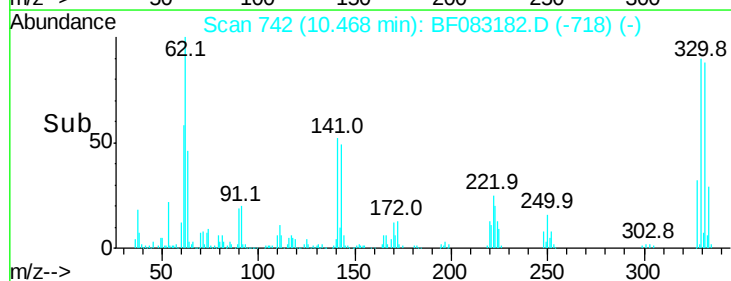
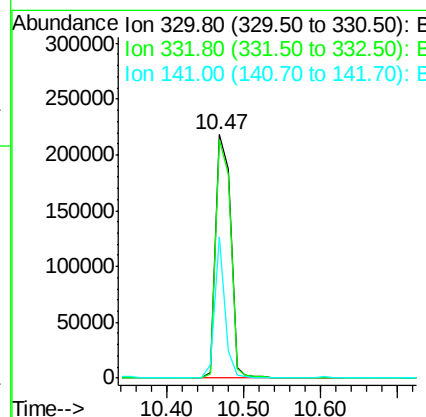
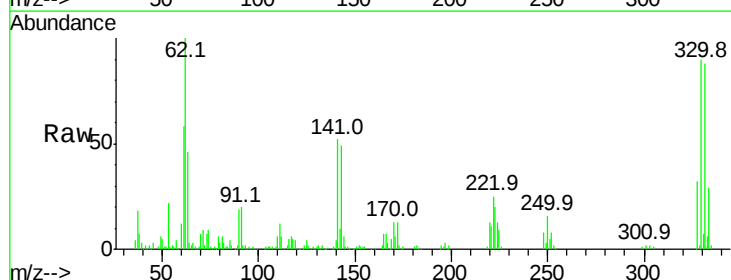
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

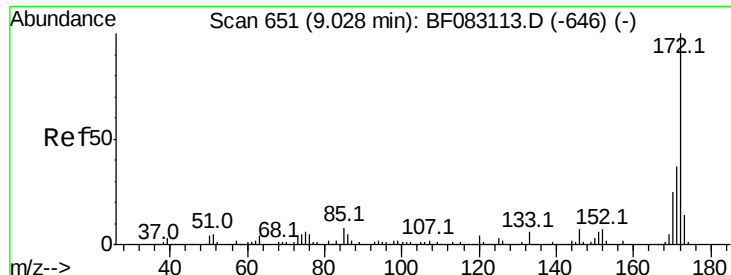
Tot Ion:164 Resp: 319888
Ion Ratio Lower Upper
164 100
162 101.3 81.2 121.8
160 42.1 35.6 53.4



#41
2,4,6-Tribromophenol
Concen: 90.03 ng
RT: 10.47 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

Tgt Ion:330 Resp: 294622
Ion Ratio Lower Upper
330 100
332 97.8 77.7 116.5
141 39.6 29.7 44.5



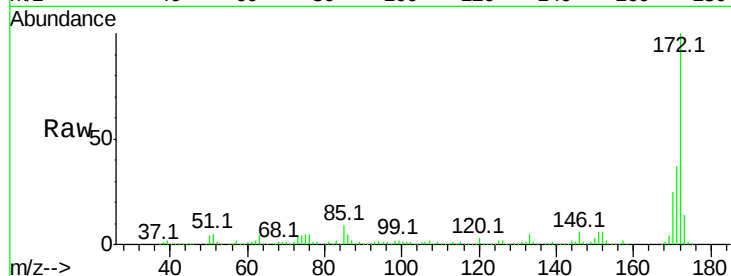


#44
 2-Fluorobiphenyl
 Concen: 69.96 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083182.D
 Acq: 23 Nov 2015 2:33

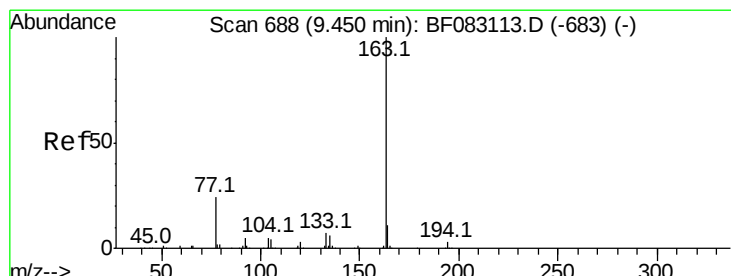
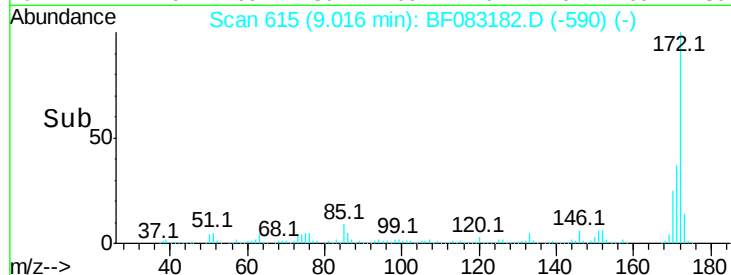
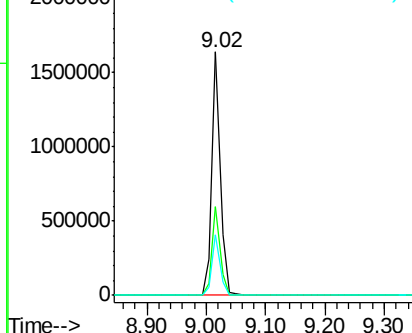
Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-3

Tot Ion:172 Resp: 1604931

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.5	44.3
170	25.0	19.9	29.9



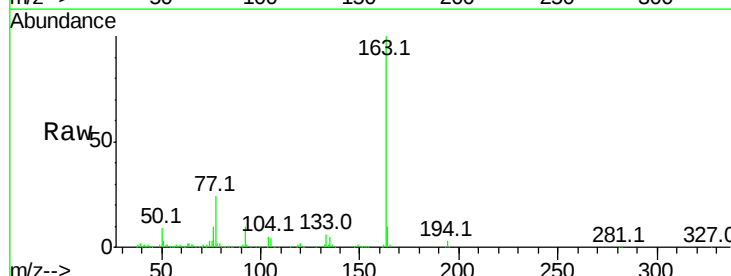
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



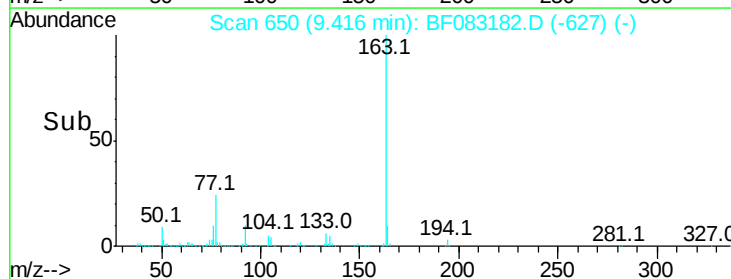
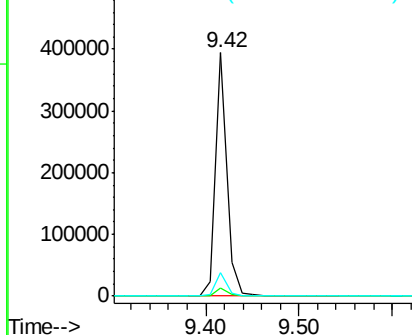
#49
 Dimethylphthalate
 Concen: 13.52 ng
 RT: 9.42 min Scan# 650
 Delta R.T. -0.03 min
 Lab File: BF083182.D
 Acq: 23 Nov 2015 2:33

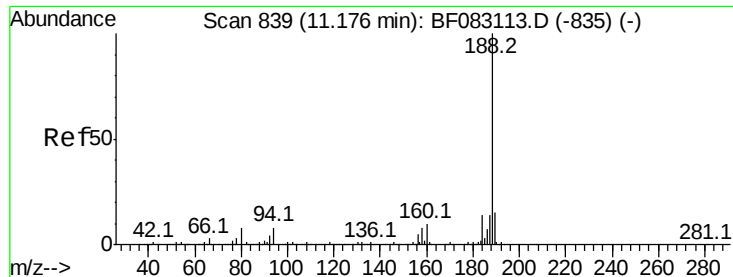
Tgt Ion:163 Resp: 332996

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.7	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

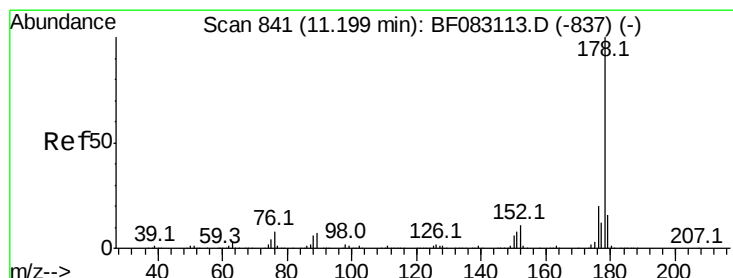
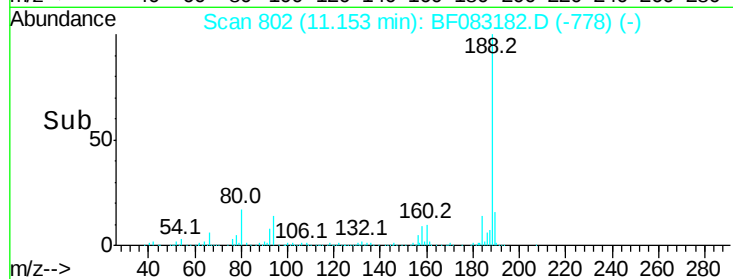
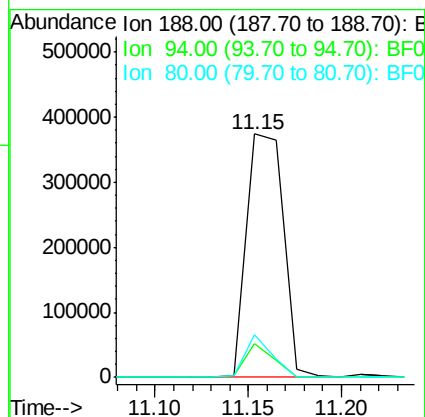
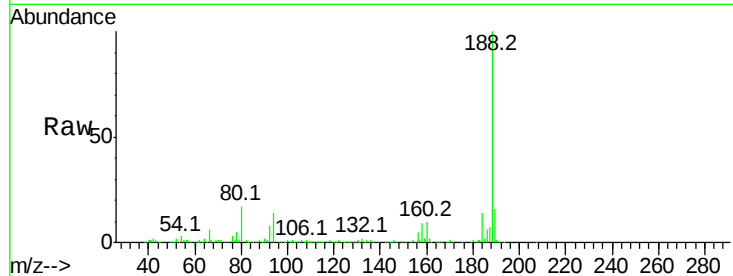




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

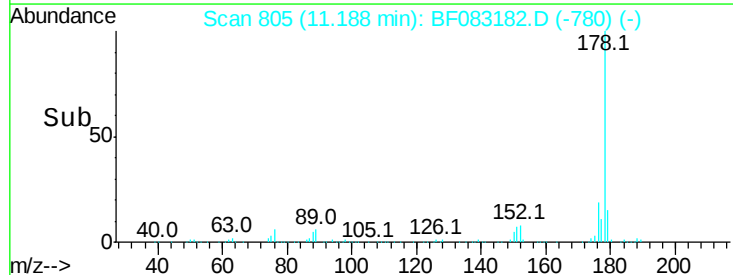
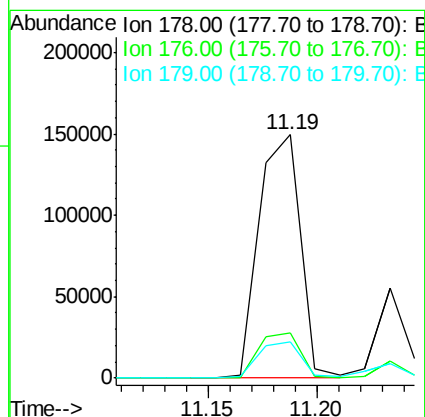
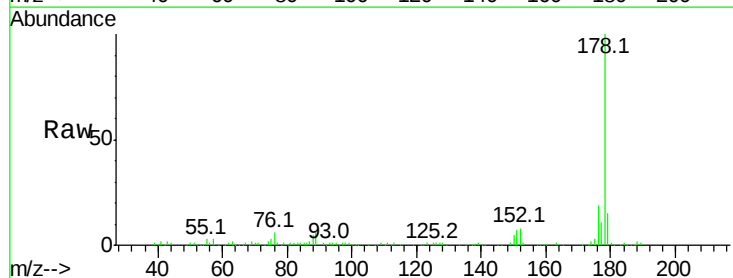
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

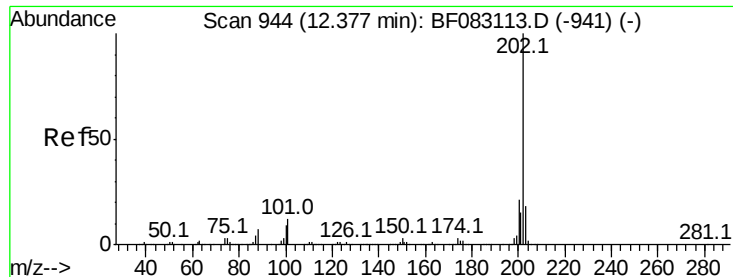
Tot Ion:188 Resp: 520926
Ion Ratio Lower Upper
188 100
94 14.0 6.0 9.0#
80 17.4 6.7 10.1#



#70
Phenanthrene
Concen: 6.66 ng
RT: 11.19 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

Tgt Ion:178 Resp: 199944
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 14.8 12.8 19.2

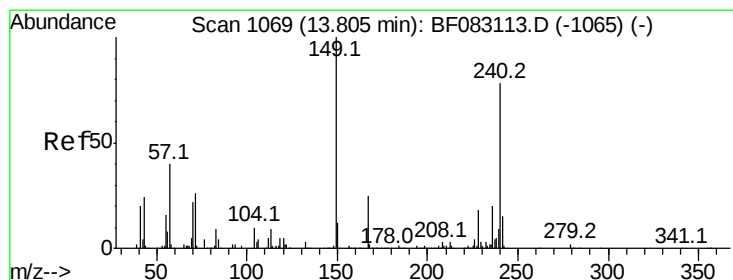
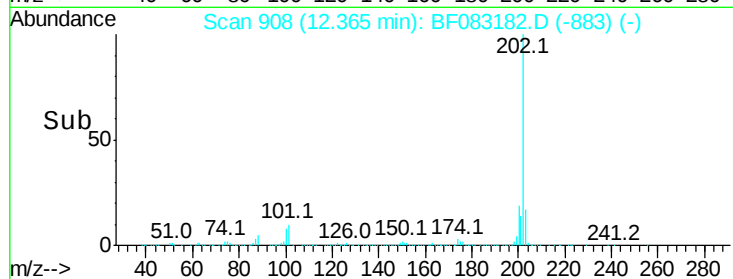
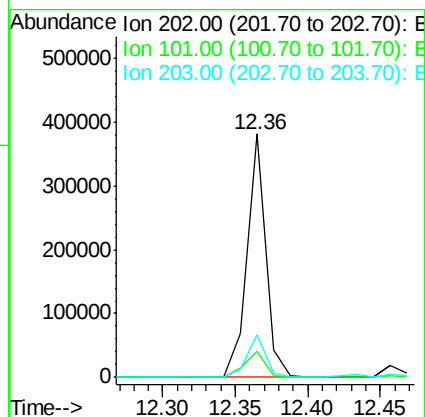
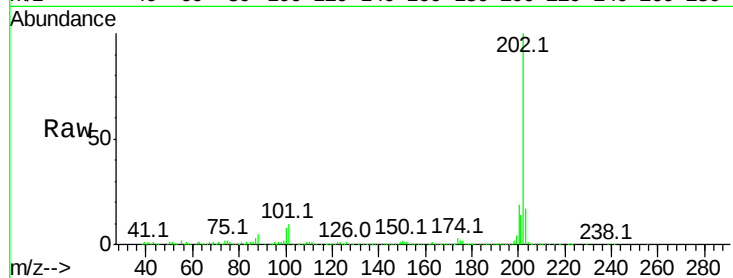




#74
 Fluoranthene
 Concen: 11.08 ng
 RT: 12.36 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF083182.D
 Acq: 23 Nov 2015 2:33

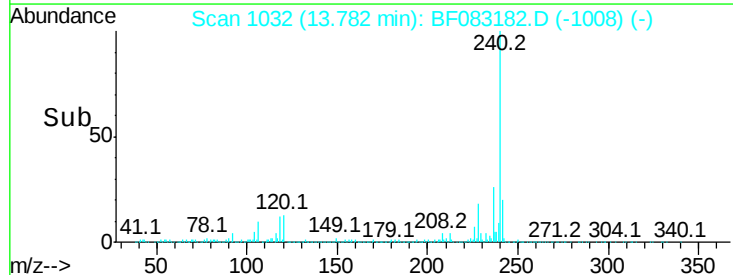
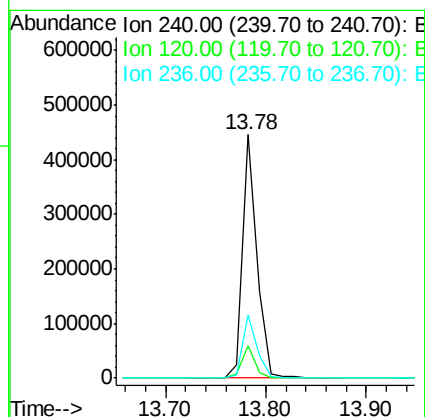
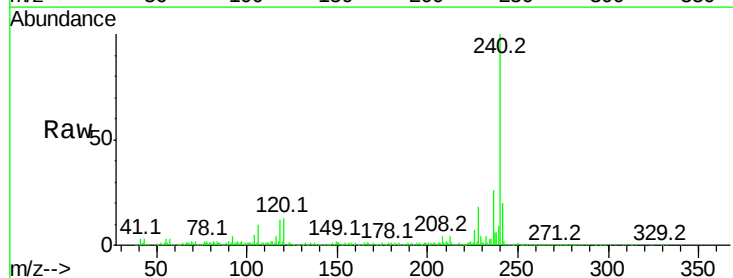
Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-3

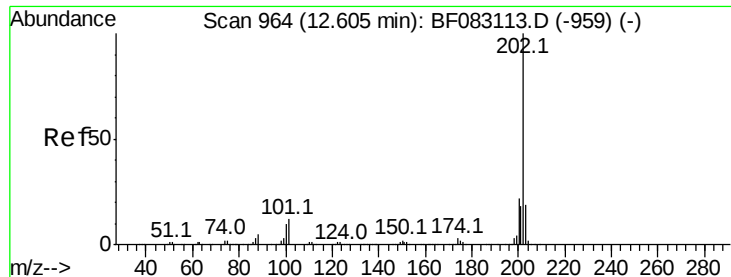
Tot Ion:	202	Resp:	340400
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.3
203	17.5	0.0	38.4



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.78 min Scan# 1032
 Delta R.T. -0.02 min
 Lab File: BF083182.D
 Acq: 23 Nov 2015 2:33

Tgt Ion:	240	Resp:	439179
Ion	Ratio	Lower	Upper
240	100		
120	13.1	5.4	8.2#
236	26.0	20.6	31.0





#77

Pvrene

Concen: 10.76 ng

RT: 12.59 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

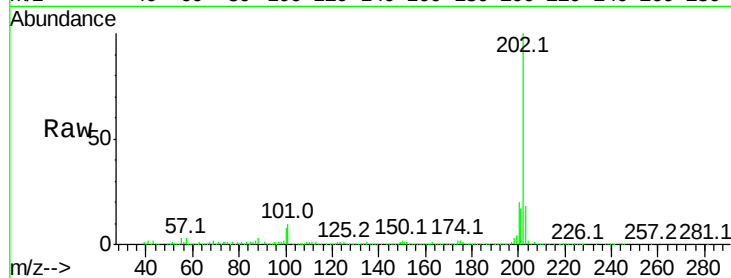
Tot Ion:202 Resp: 322857

Ion Ratio Lower Upper

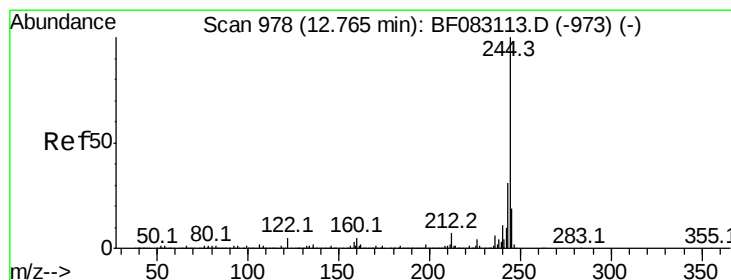
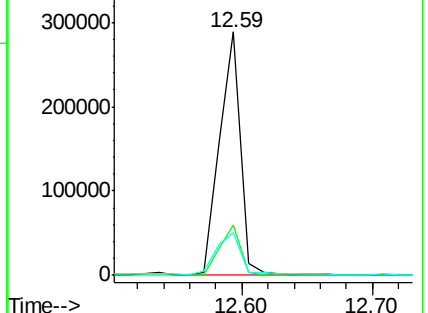
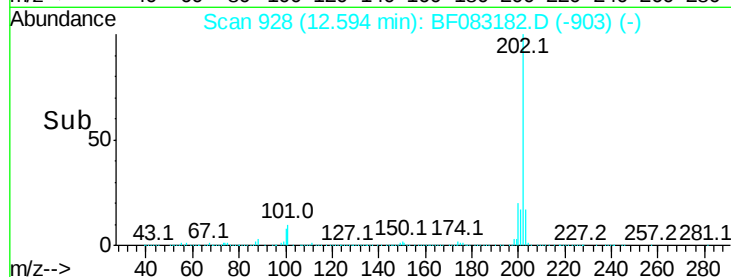
202 100

200 20.5 17.8 26.6

203 17.5 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: 66.19 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

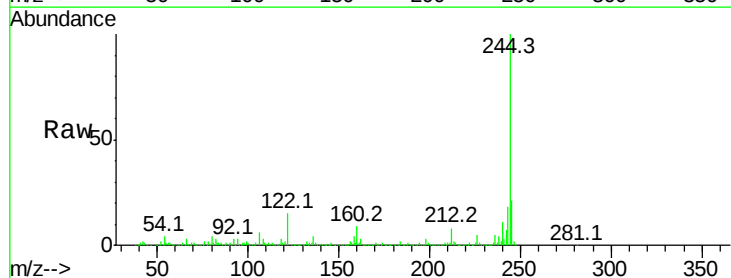
Tgt Ion:244 Resp: 1234359

Ion Ratio Lower Upper

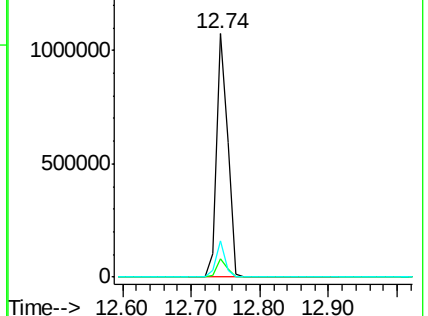
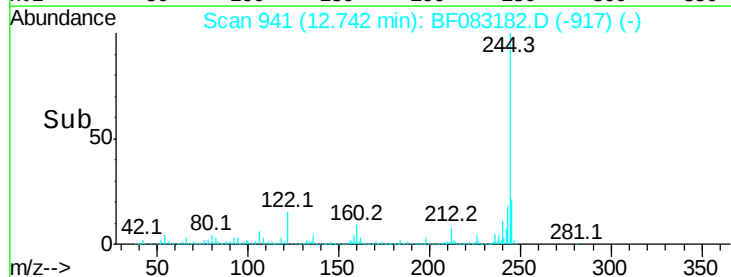
244 100

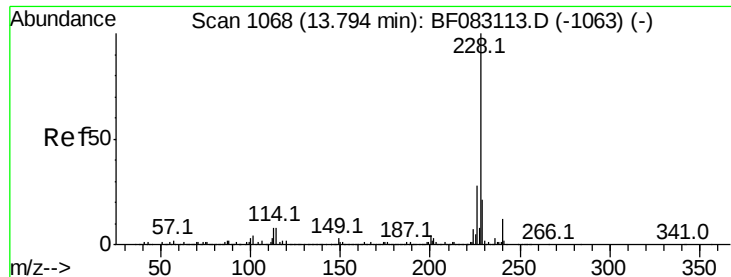
212 7.7 5.4 8.2

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

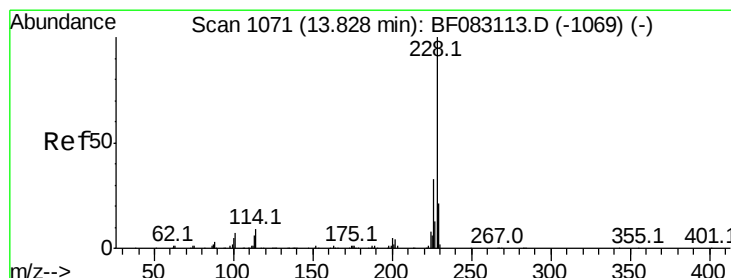
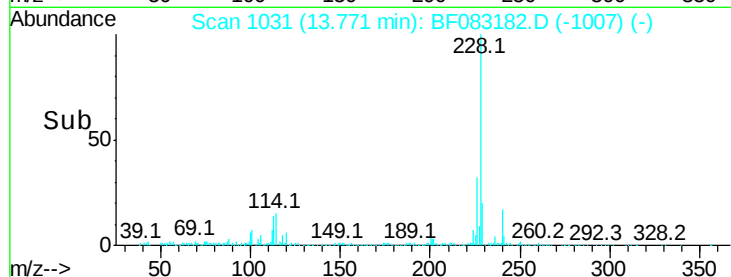
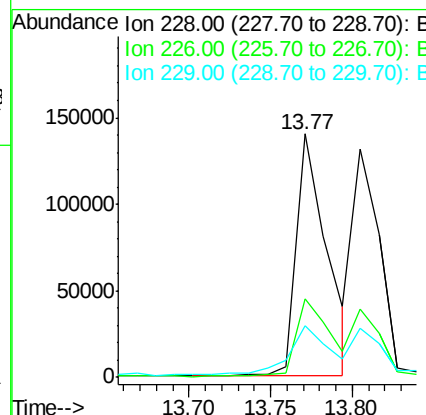
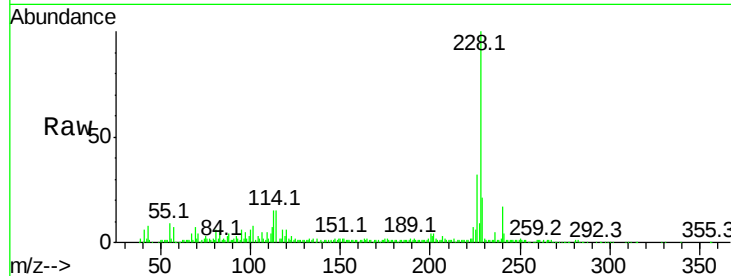




#80
Benzo(a)anthracene
Concen: 6.81 ng
RT: 13.77 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

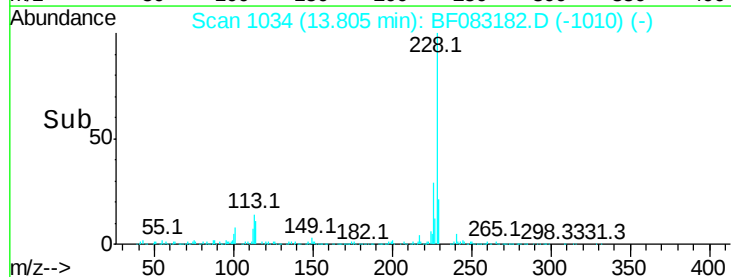
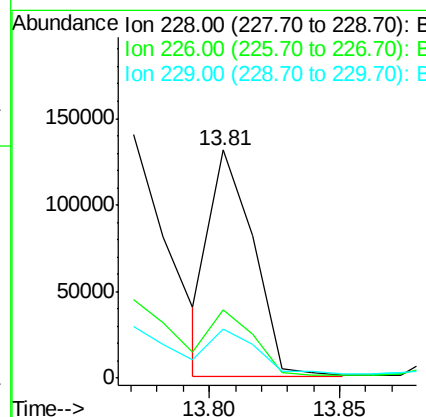
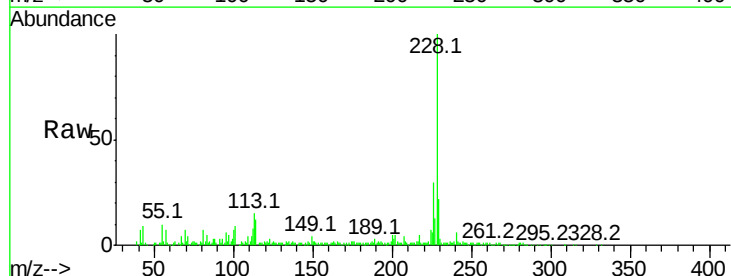
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

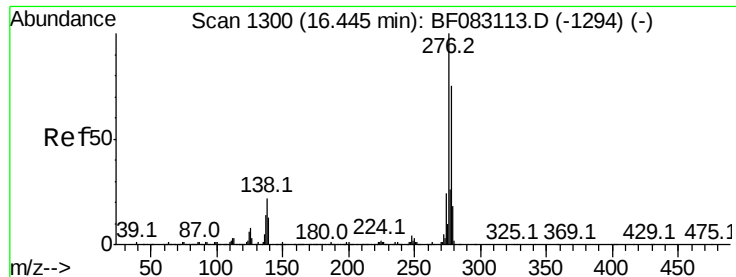
Tot Ion:228 Resp: 184842
Ion Ratio Lower Upper
228 100
226 32.1 22.6 33.8
229 21.1 16.6 24.8



#82
Chrysene
Concen: 5.97 ng
RT: 13.81 min Scan# 1034
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

Tgt Ion:228 Resp: 150475
Ion Ratio Lower Upper
228 100
226 30.1 25.5 38.3
229 21.6 16.6 25.0

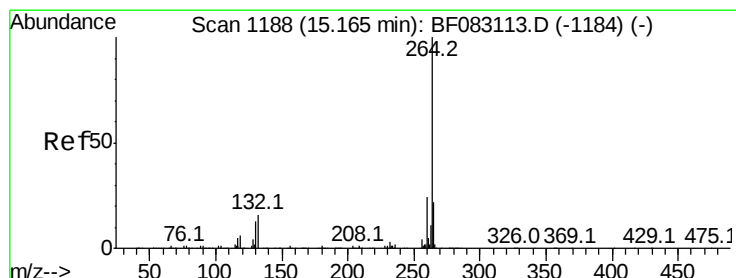
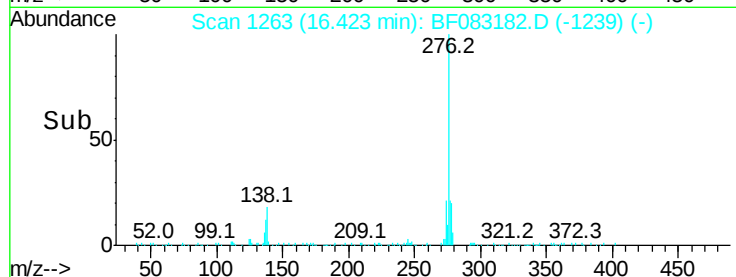
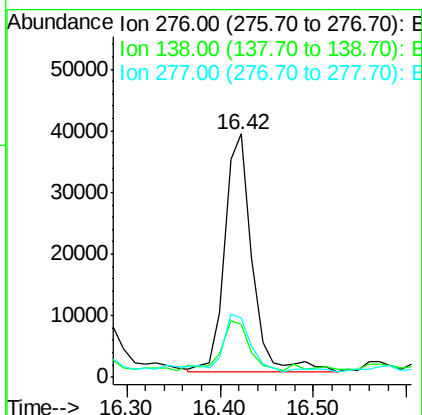
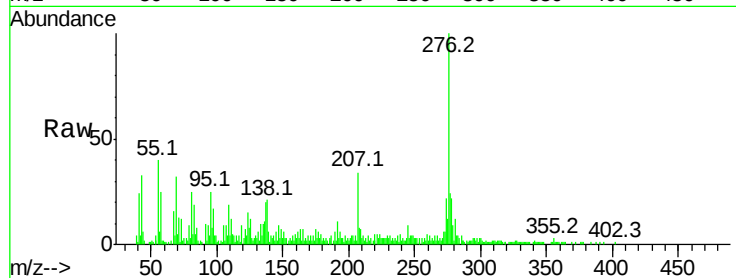




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.44 ng
RT: 16.42 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

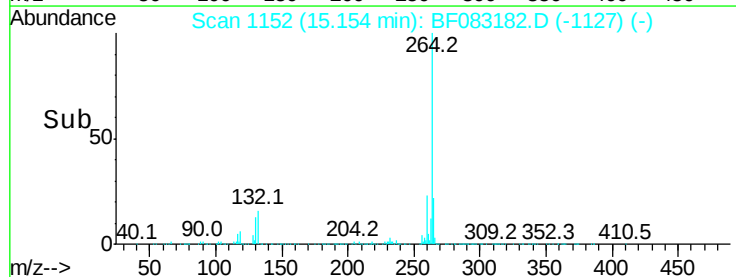
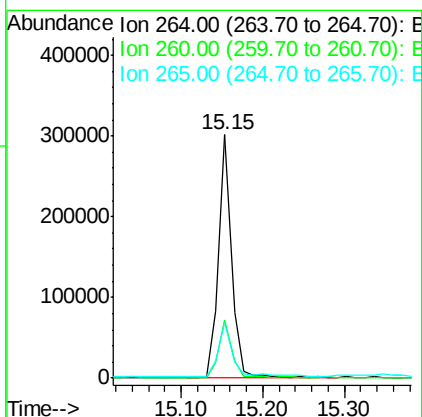
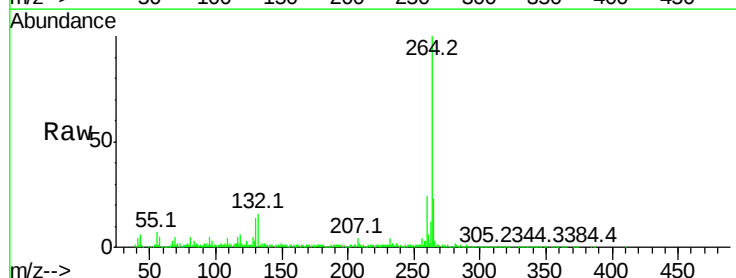
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

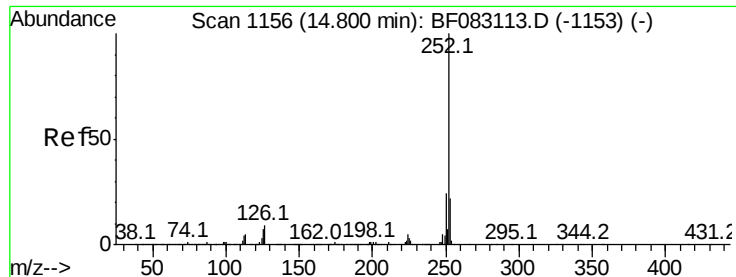
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.0	27.0
277	24.2	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	22.8	18.2	27.4





#87

Benzo(b)fluoranthene

Concen: 7.10 ng m

RT: 14.78 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

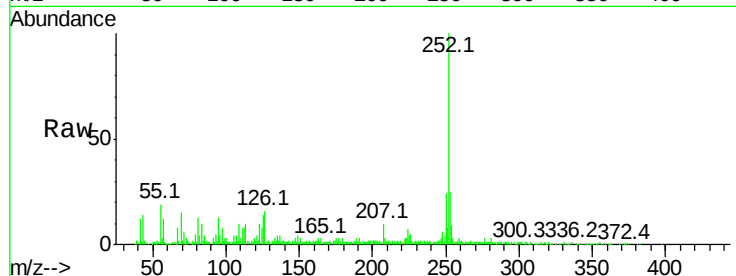
Tot Ion:252 Resp: 161941

Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

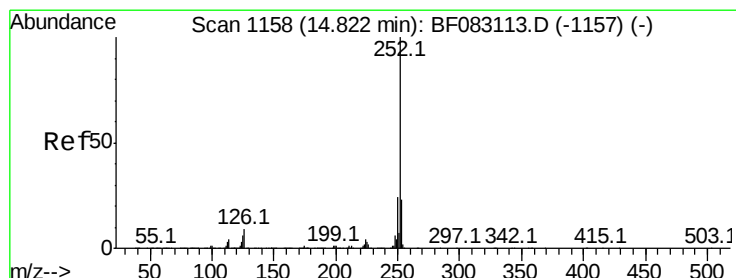
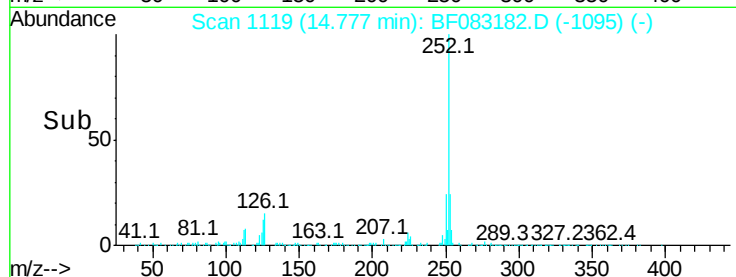
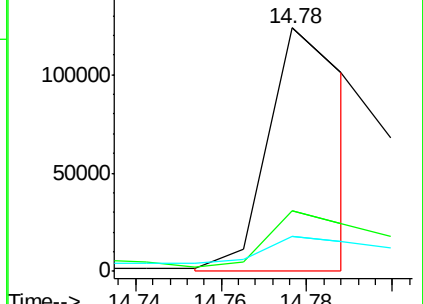
125 14.5 5.6 8.4#



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: 4.57 ng m

RT: 14.79 min Scan# 1120

Delta R.T. -0.03 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

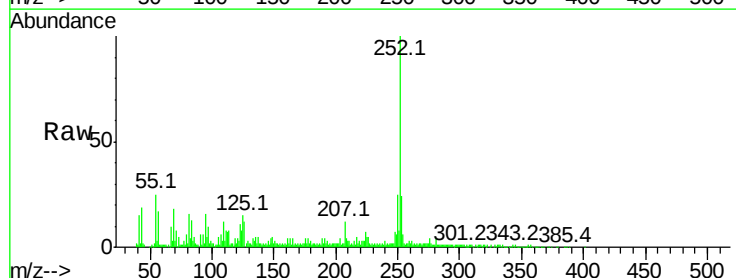
Tgt Ion:252 Resp: 77550

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

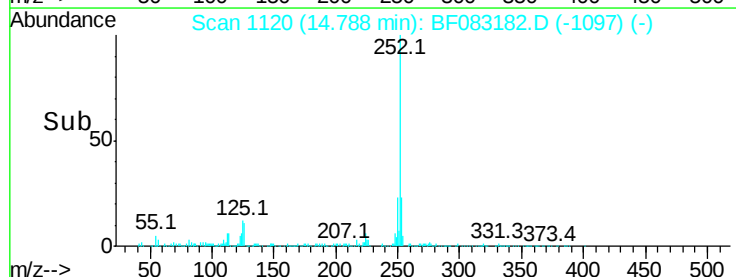
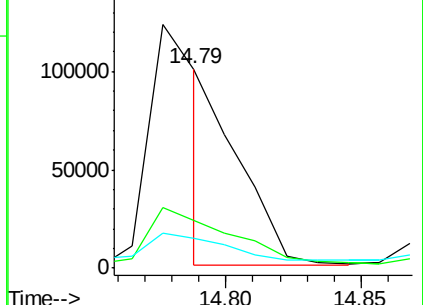
125 15.1 6.8 10.2#

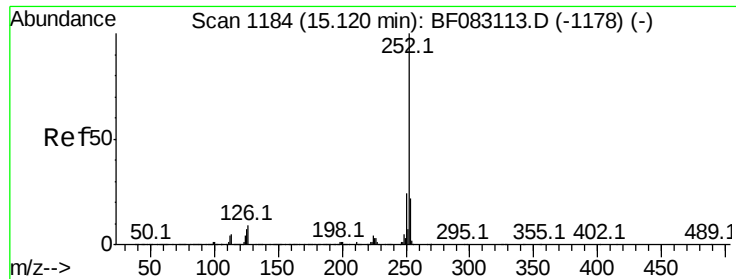


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.43 ng

RT: 15.10 min Scan# 1147

Delta R.T. -0.02 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

Instrument :

BNA_F

ClientSampled :

FILL-DIRT-3

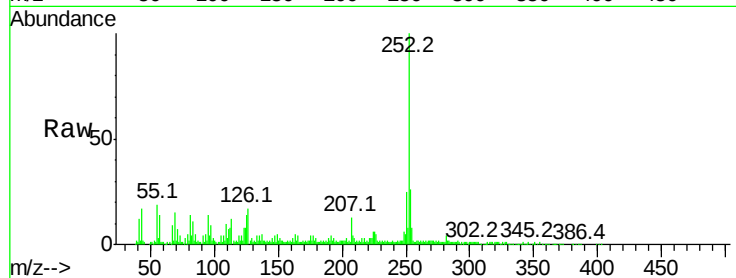
Tot Ion:252 Resp: 120984

Ion Ratio Lower Upper

252 100

253 25.6 17.5 26.3

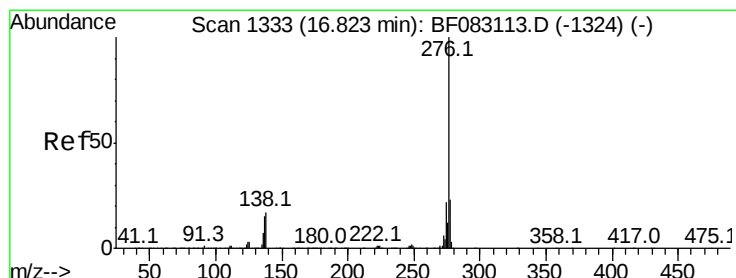
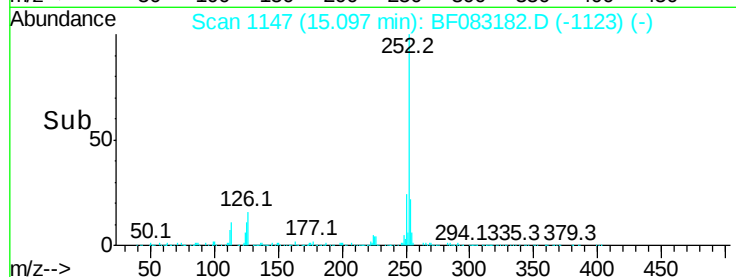
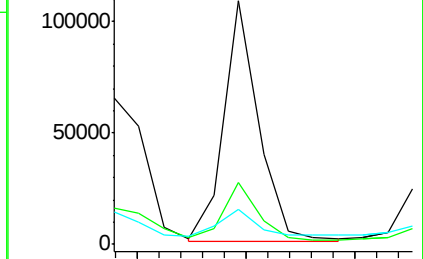
125 14.3 5.4 8.0#



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: 4.65 ng

RT: 16.80 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

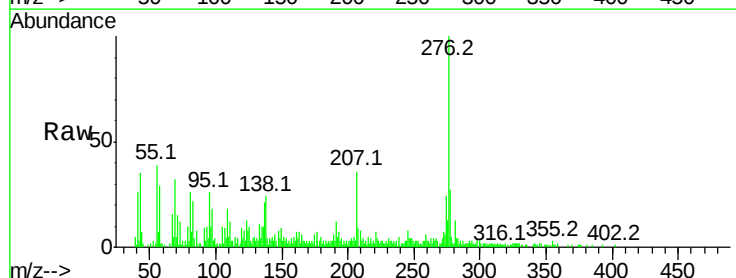
Tgt Ion:276 Resp: 77595

Ion Ratio Lower Upper

276 100

277 27.1 18.7 28.1

138 23.5 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

