

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 03:44:10 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

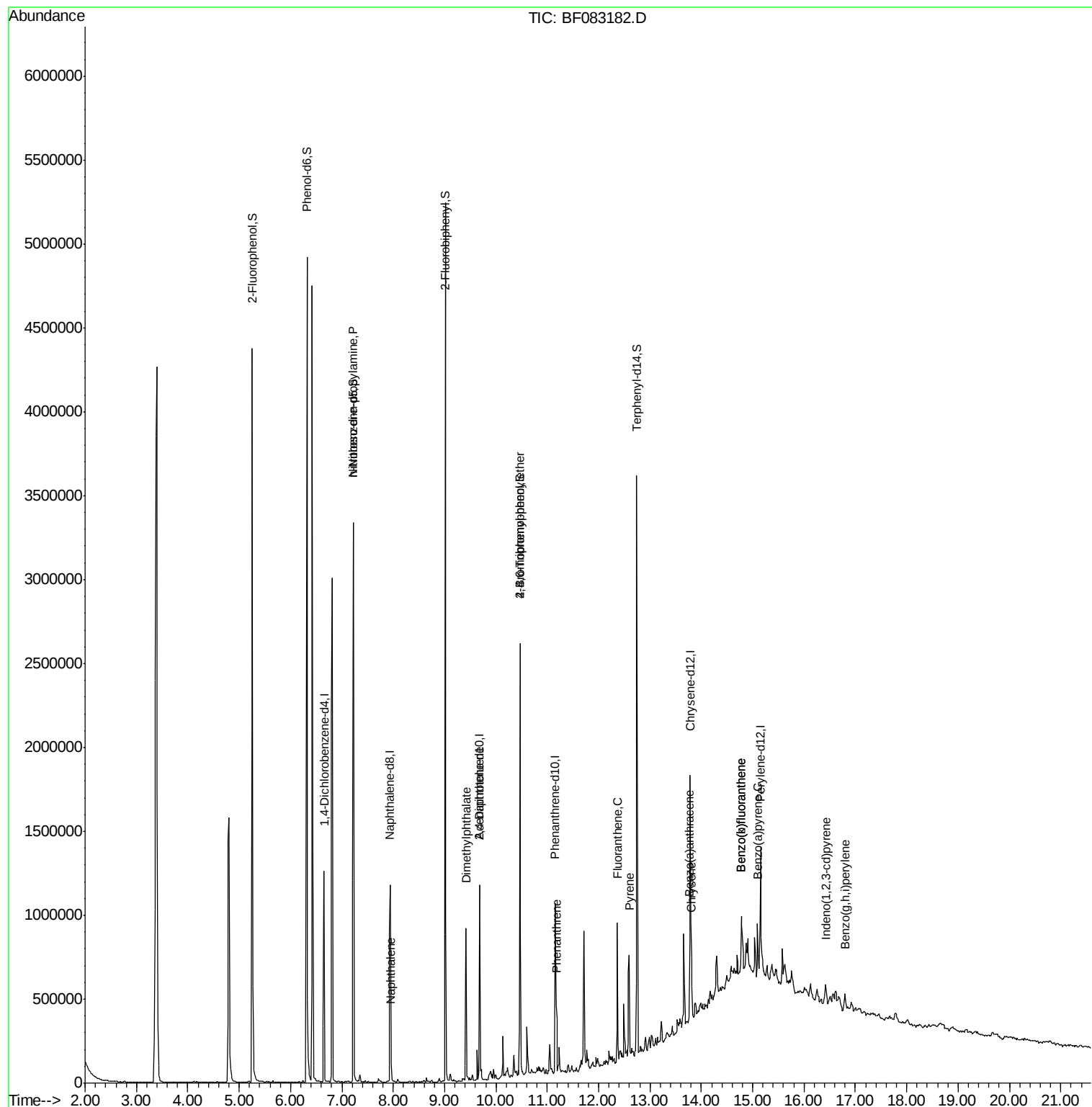
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.24	77	1156	Below Cal	#	31
19) n-Nitroso-di-n-propylamine	7.22	70	158513	13.63	ng	76
31) Naphthalene	7.95	128	86640	2.28	ng	99
49) Dimethylphthalate	9.42	163	332996	13.52	ng	98
56) 2,4-Dinitrotoluene	9.68	165	40409	5.77	ng	11
66) 4-Bromophenyl-phenylether	10.47	248	19471	3.37	ng	1
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	236466	10.37	ng	90
88) Benzo(k)fluoranthene	14.78	252	235954	13.89	ng	92
89) Benzo(a)pyrene	15.10	252	120984	6.43	ng	89
91) Benzo(g,h,i)perylene	16.80	276	77595	4.65	ng	90

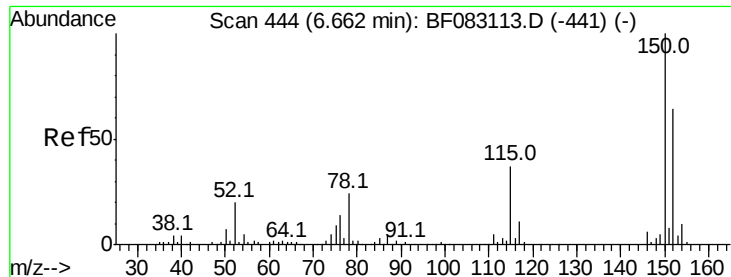
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 23 03:44:10 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

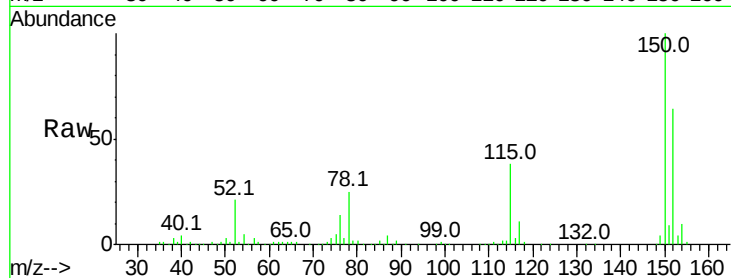
Tot Ion:152 Resp: 195228

Ion Ratio Lower Upper

152 100

150 155.6 125.8 188.8

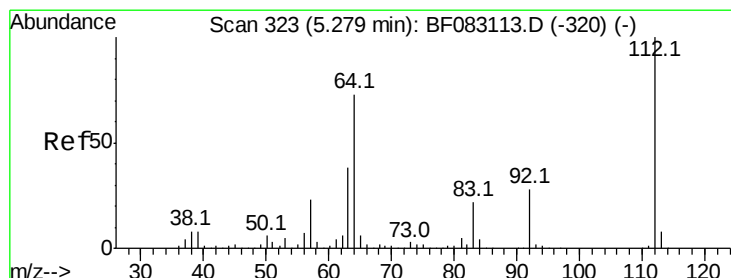
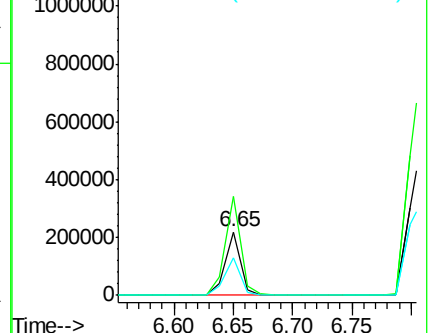
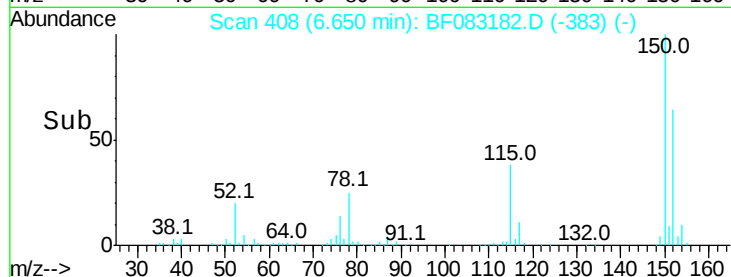
115 58.8 46.9 70.3



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

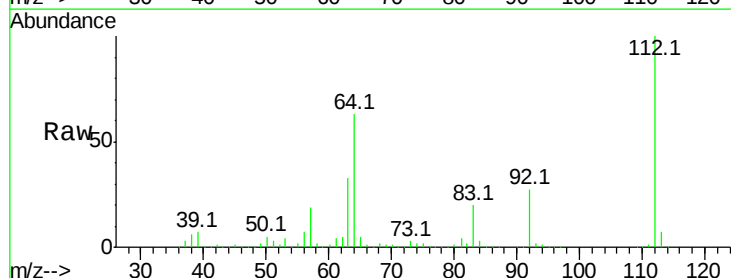
Tgt Ion:112 Resp: 1404107

Ion Ratio Lower Upper

112 100

64 63.2 58.4 87.6

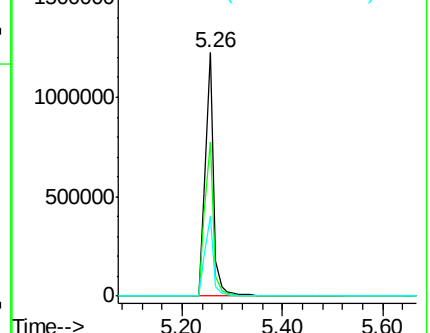
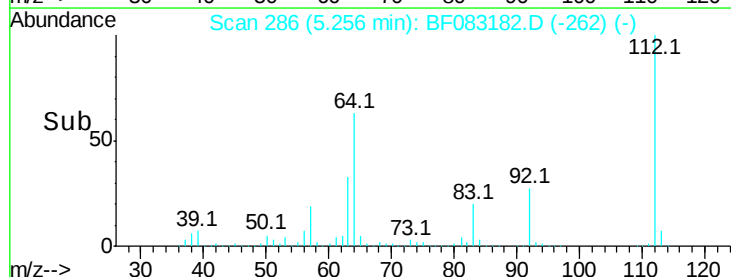
63 32.5 30.0 45.0

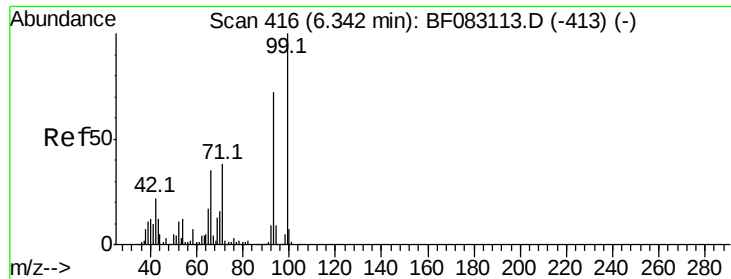


Abundance Ion 112.00 (111.70 to 112.70): E

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

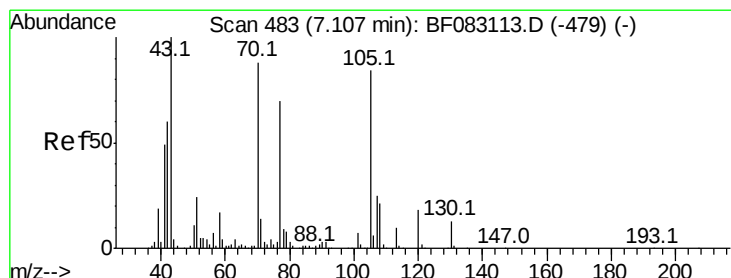
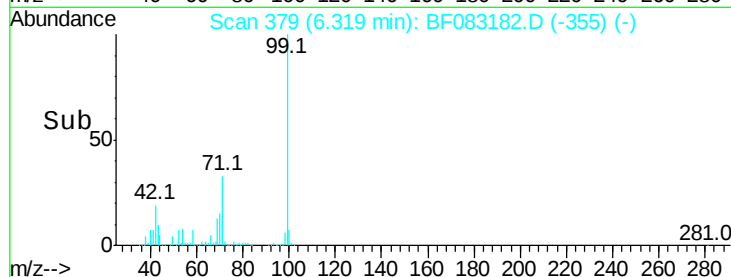
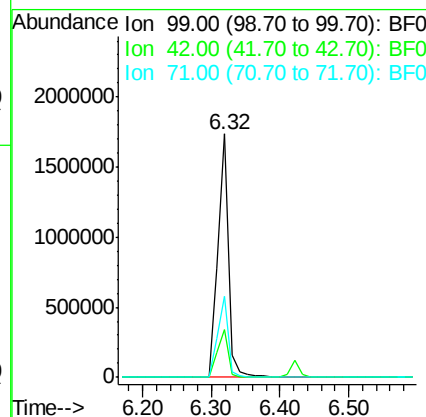
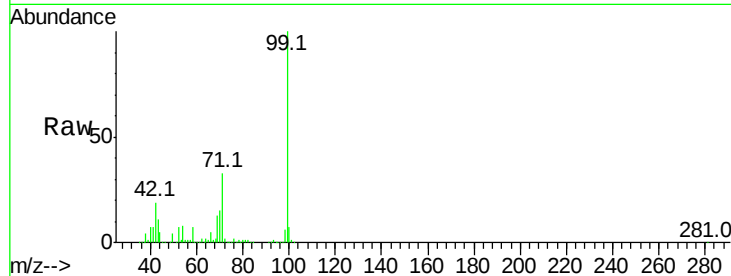
Tot Ion: 99 Resp: 1912187

Ion Ratio Lower Upper

99 100

42 19.4 17.7 26.5

71 33.3 30.2 45.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.63 ng

RT: 7.22 min Scan# 458

Delta R.T. 0.11 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

Tgt Ion: 70 Resp: 158513

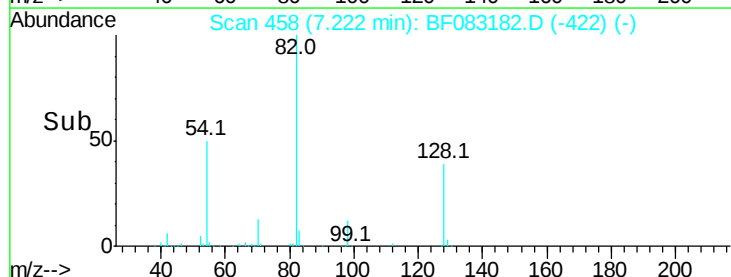
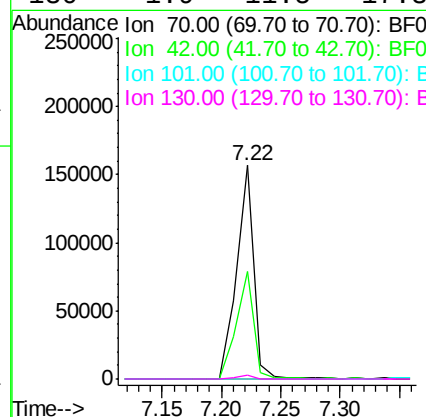
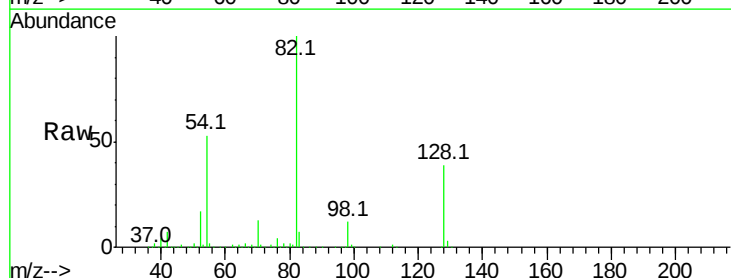
Ion Ratio Lower Upper

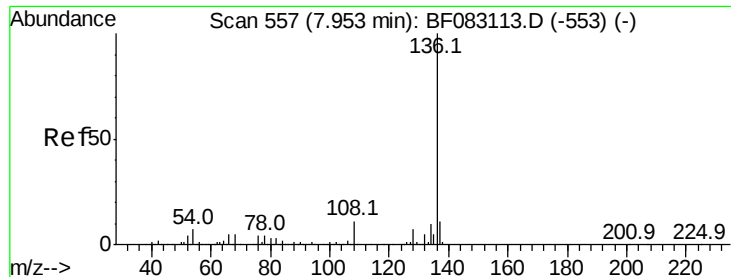
70 100

42 50.1 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: BF083182.D

Acq: 23 Nov 2015 2:33

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

Tot Ion:136 Resp: 704721

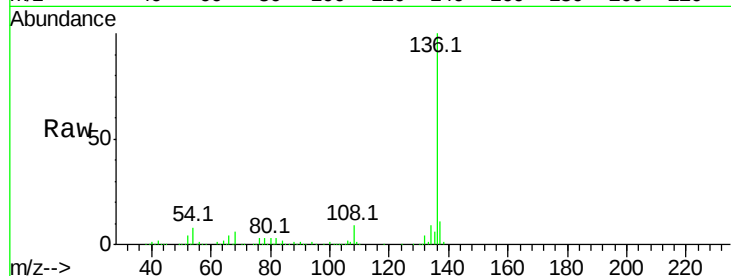
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.6 5.8 8.6

68 5.6 3.8 5.8

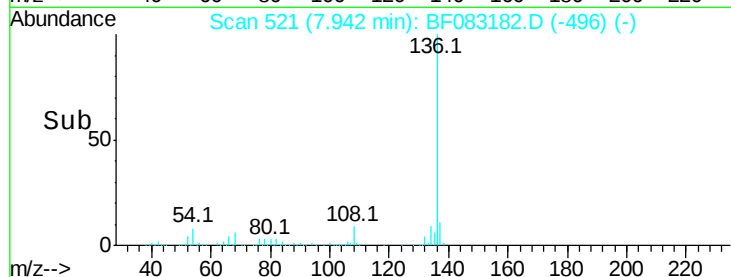


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

7.94

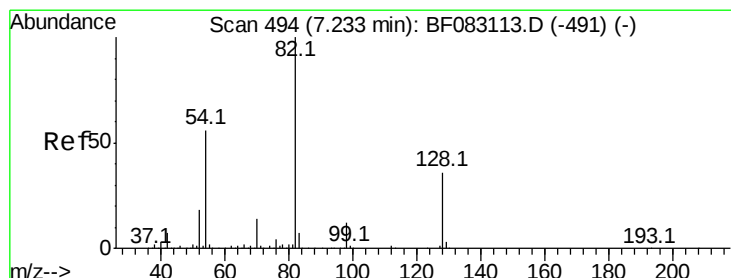
600000

400000

200000

0

Time-->



#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

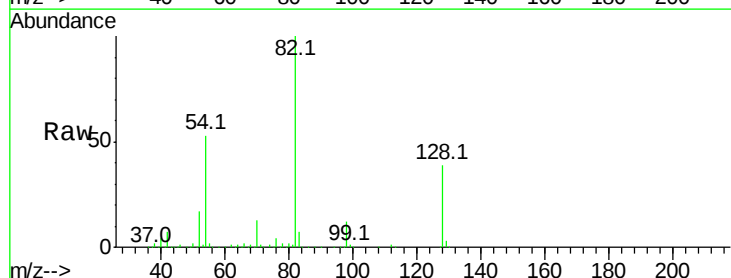
Tgt Ion: 82 Resp: 1189766

Ion Ratio Lower Upper

82 100

128 39.4 28.5 42.7

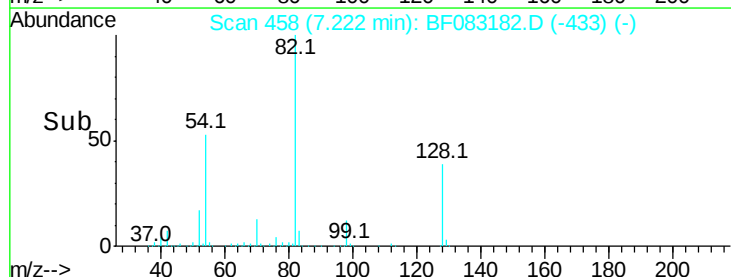
54 52.8 44.6 67.0



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



Abundance

7.22

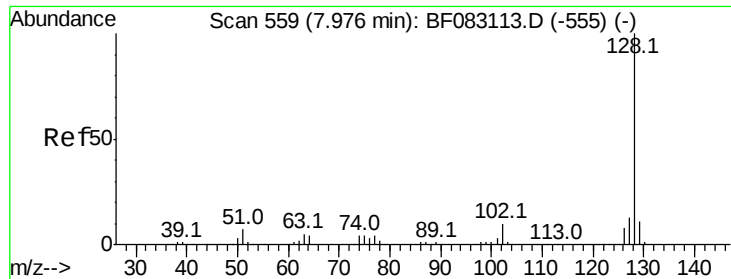
1500000

1000000

500000

0

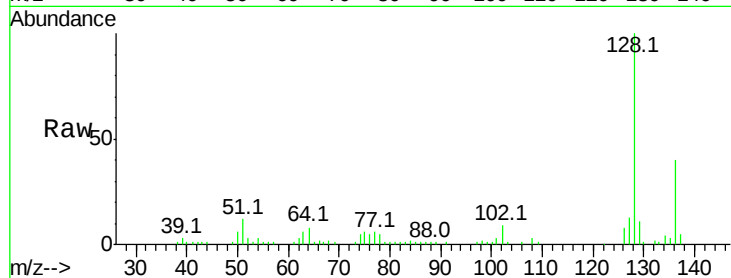
Time-->



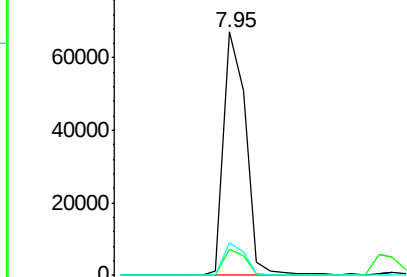
#31
Naphthalene
Concen: 2.28 ng
RT: 7.95 min Scan# 522
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

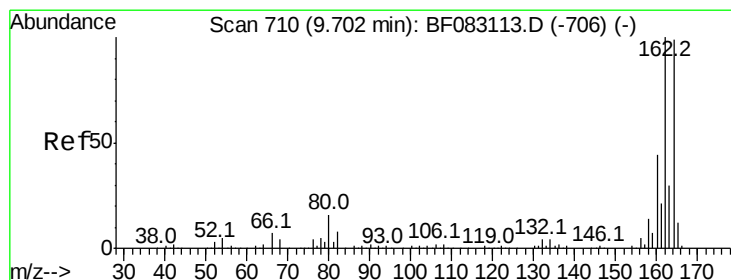
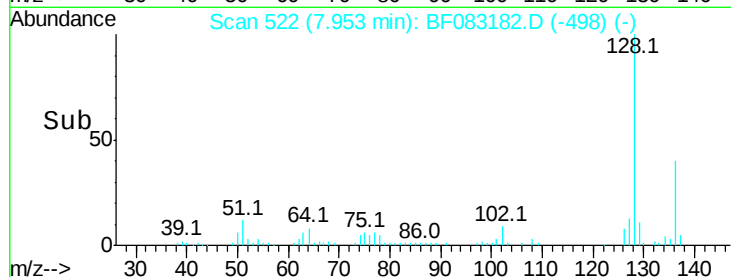
Tot Ion:128 Resp: 86640
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 13.4 10.6 15.8



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

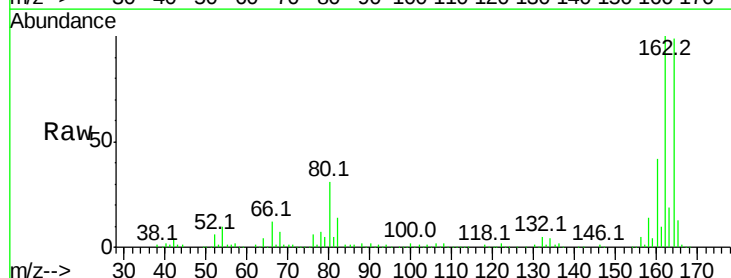


Time-->

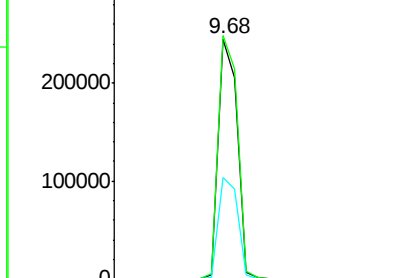


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

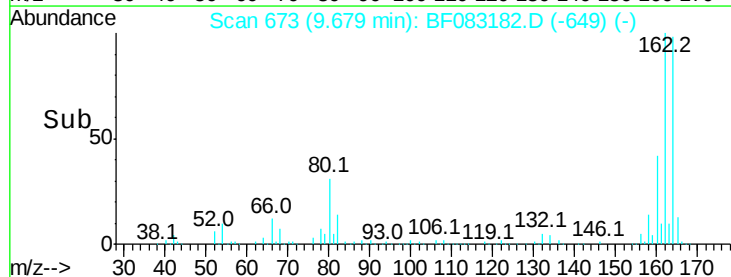
Tgt Ion:164 Resp: 319888
Ion Ratio Lower Upper
164 100
162 101.3 81.2 121.8
160 42.1 35.6 53.4

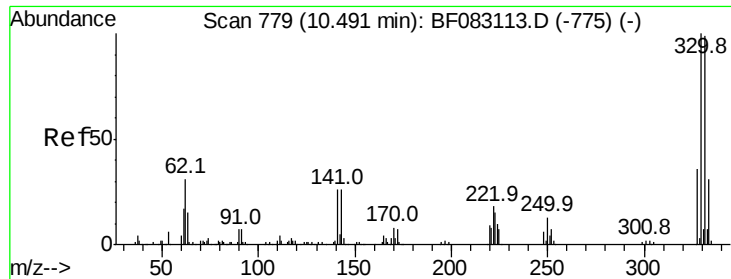


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->

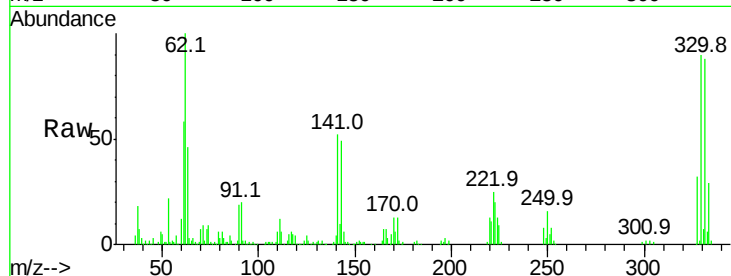




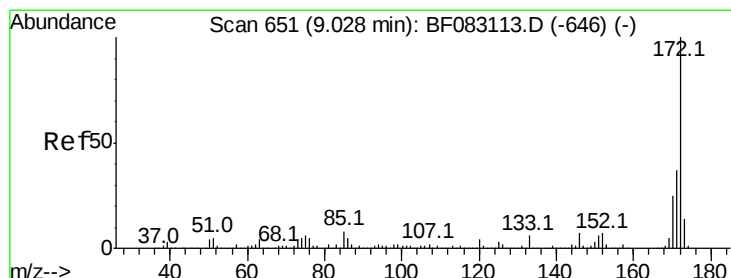
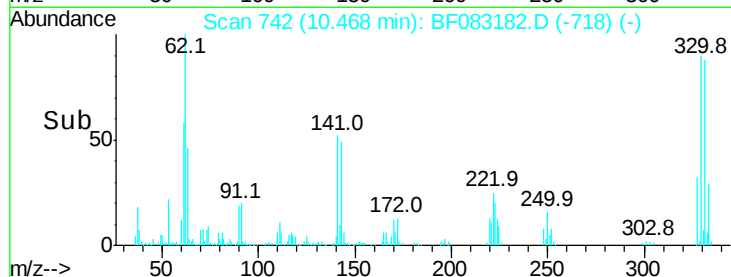
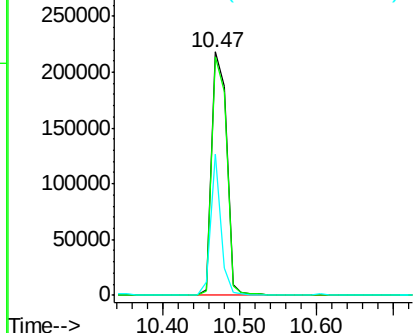
#41
 2,4,6-Tribromophenol
 Concen: 90.03 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083182.D
 Acq: 23 Nov 2015 2:33

Instrument :
 BNA_F
 ClientSampleId :
 FILL-DIRT-3

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

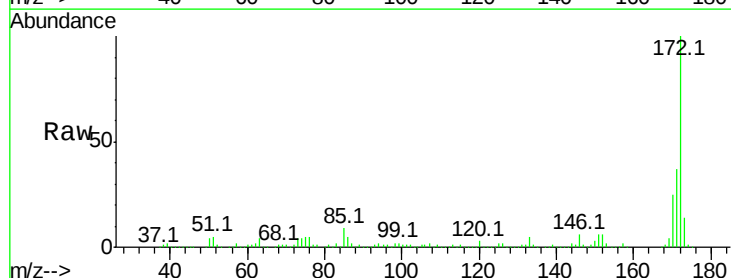


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

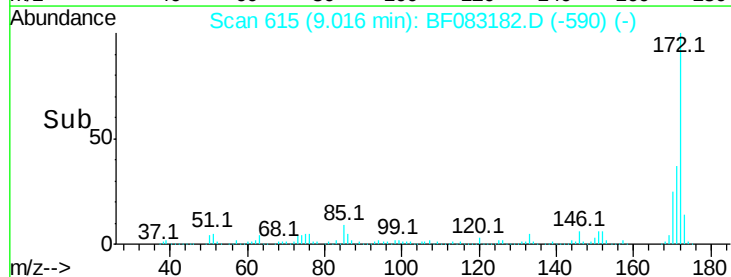
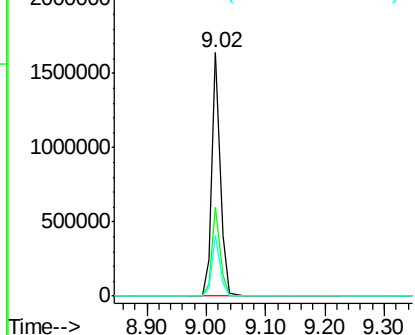


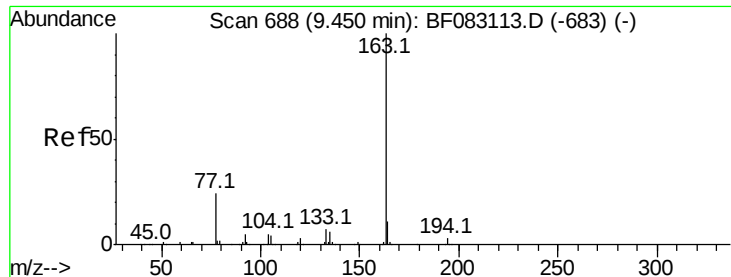
#44
 2-Fluorobiphenyl
 Concen: 69.96 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083182.D
 Acq: 23 Nov 2015 2:33

Tgt 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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

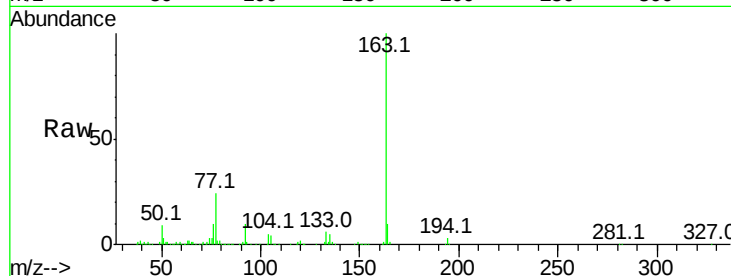
Tot Ion:163 Resp: 332996

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

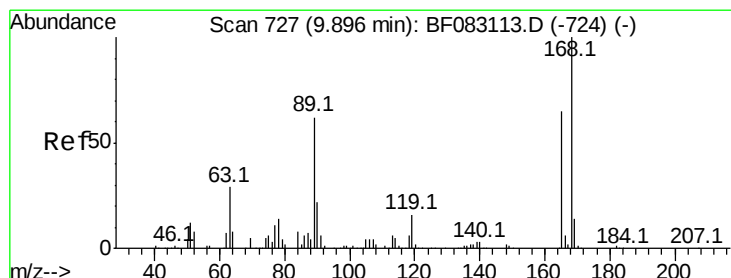
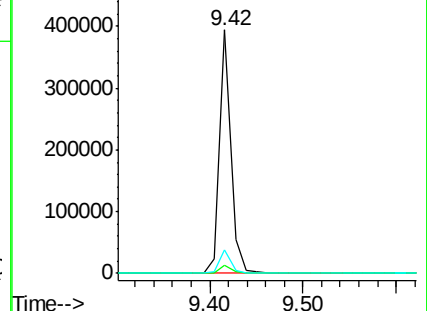
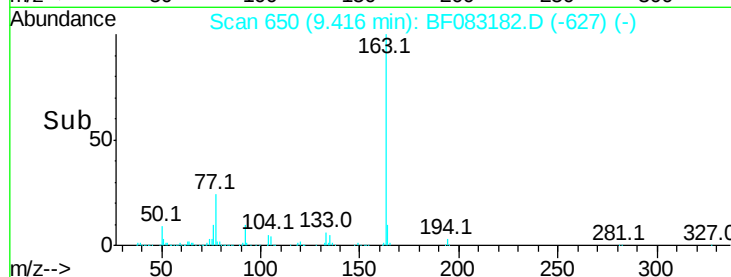
164 9.7 8.6 12.8



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



#56

2,4-Dinitrotoluene

Concen: 5.77 ng

RT: 9.68 min Scan# 673

Delta R.T. -0.22 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

Tgt Ion:165 Resp: 40409

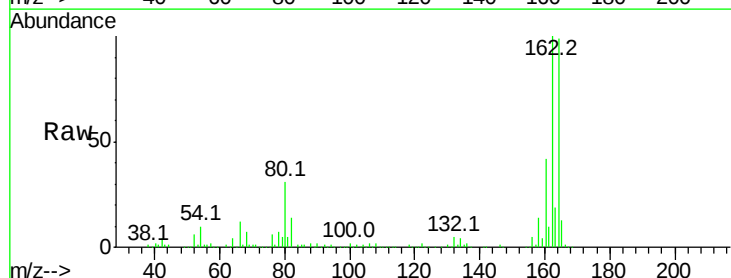
Ion Ratio Lower Upper

165 100

63 2.1 54.5 81.7#

89 1.7 77.3 115.9#

182 0.0 1.8 2.6#

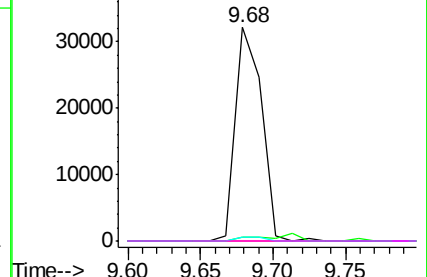
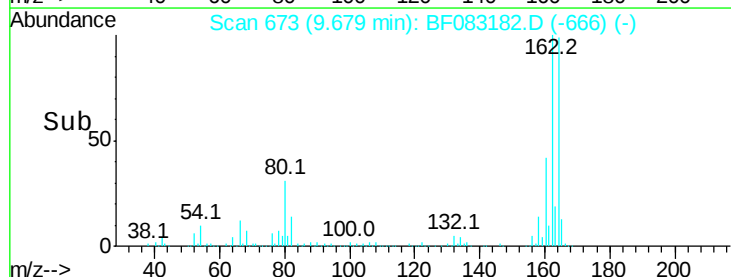


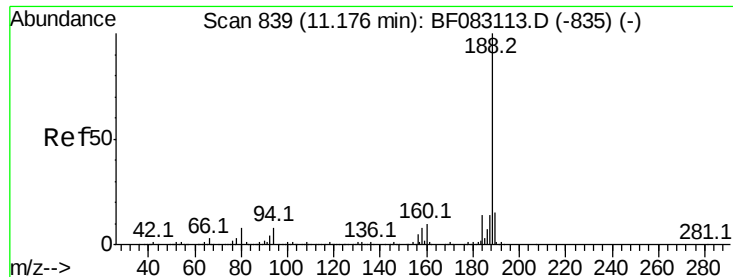
Abundance Ion 165.00 (164.70 to 165.70): E

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

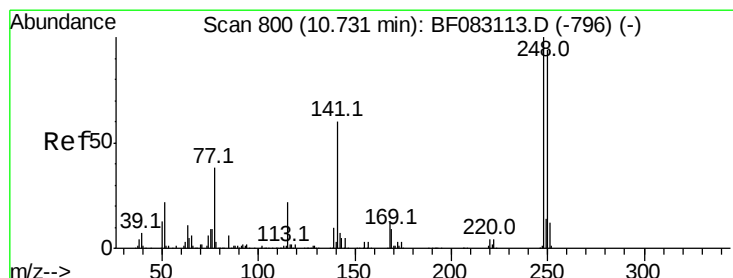
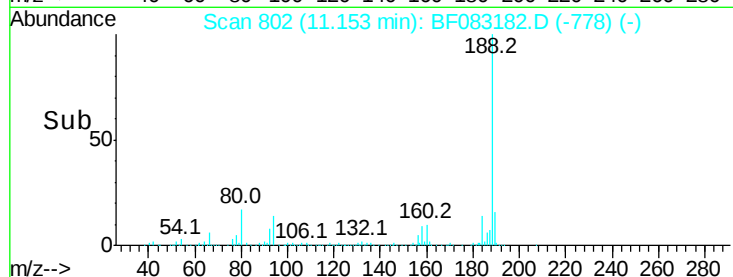
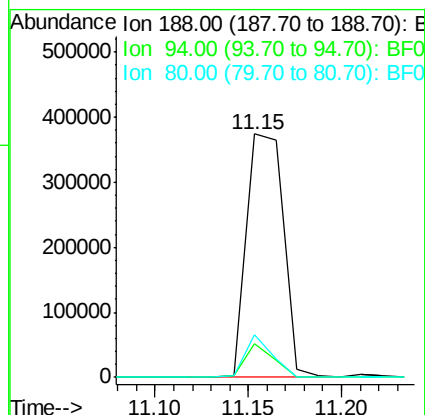
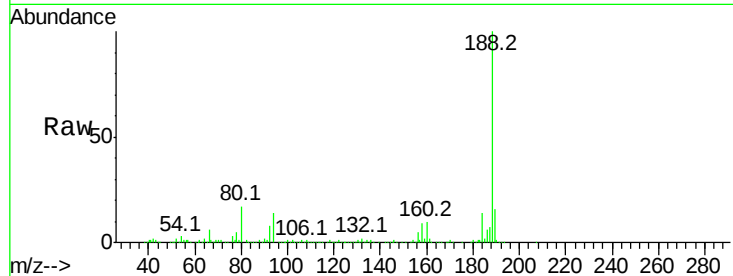




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

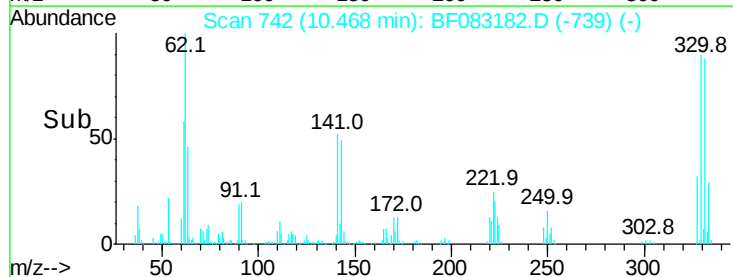
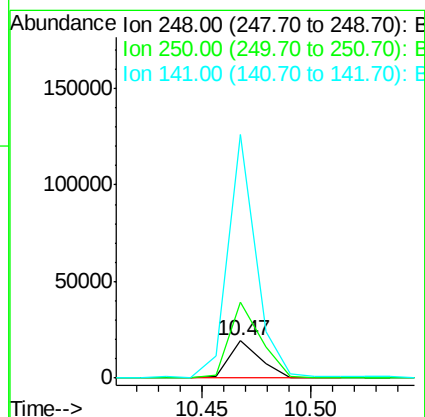
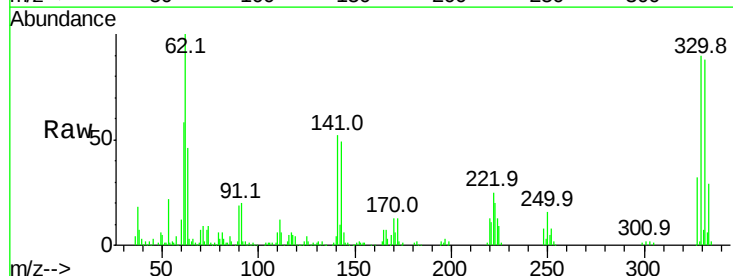
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

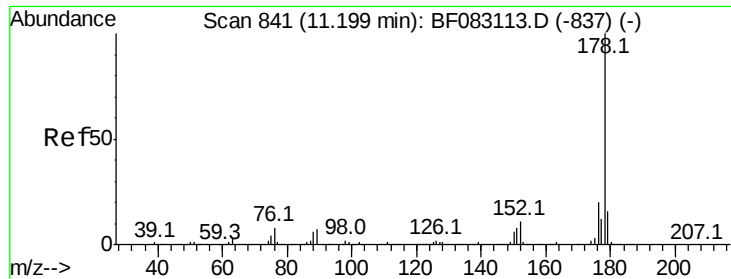
Tot Ion:188 Resp: 520926
Ion Ratio Lower Upper
188 100
94 14.0 6.0 9.0#
80 17.4 6.7 10.1#



#66
4-Bromophenyl-phenylether
Concen: 3.37 ng
RT: 10.47 min Scan# 742
Delta R.T. -0.26 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

Tgt Ion:248 Resp: 19471
Ion Ratio Lower Upper
248 100
250 204.5 75.4 113.2#
141 650.6 48.1 72.1#

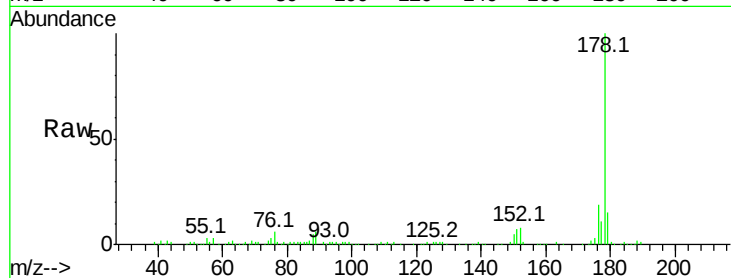




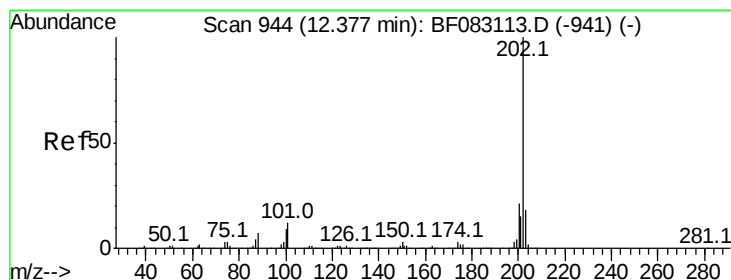
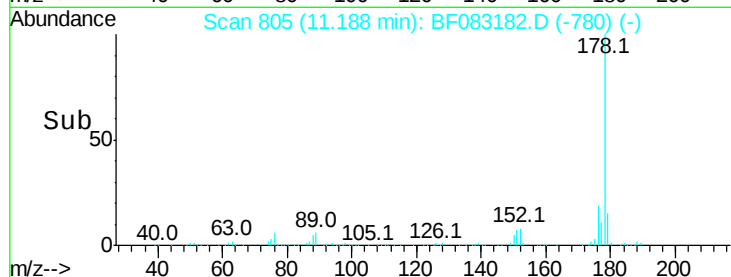
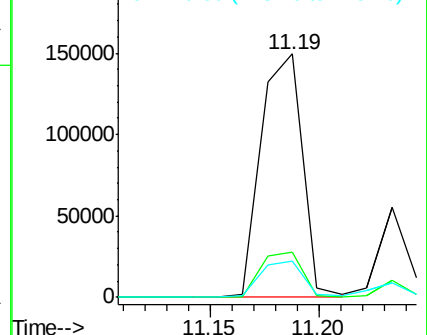
#70
Phenanthrene
Concen: 6.66 ng
RT: 11.19 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

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

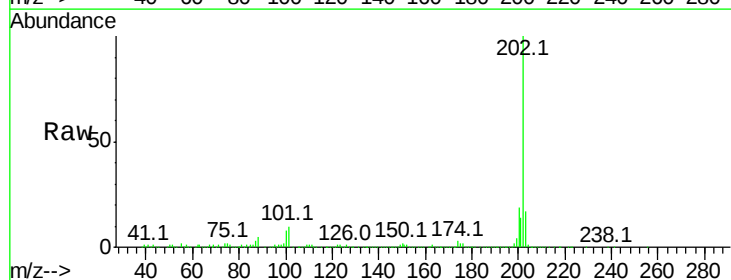


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

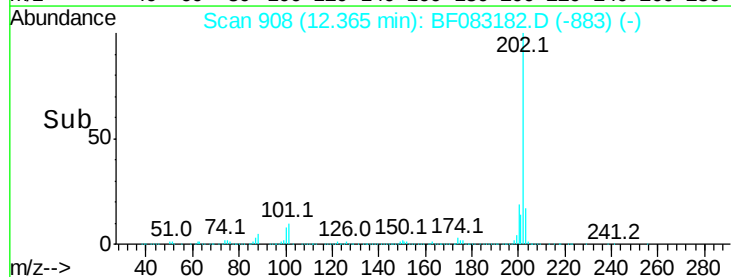
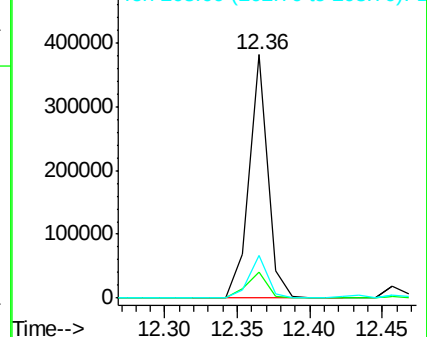


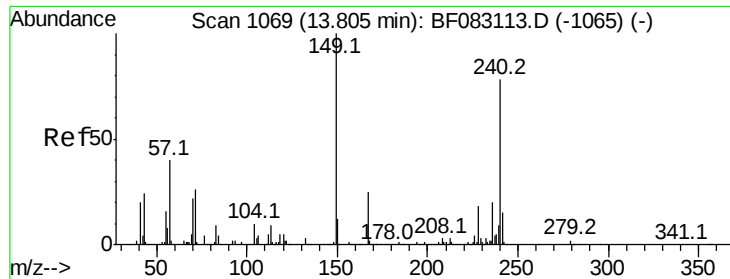
#74
Fluoranthene
Concen: 11.08 ng
RT: 12.36 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

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



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

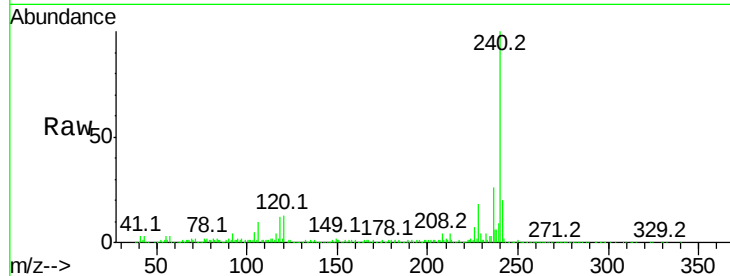
Tot Ion:240 Resp: 439179

Ion Ratio Lower Upper

240 100

120 13.1 5.4 8.2#

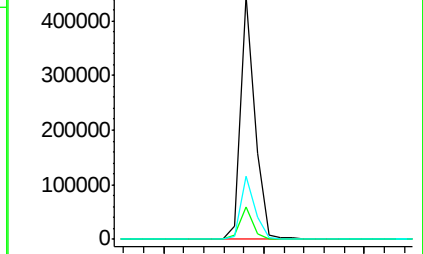
236 26.0 20.6 31.0



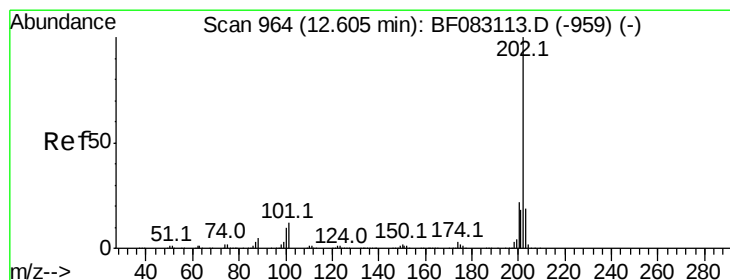
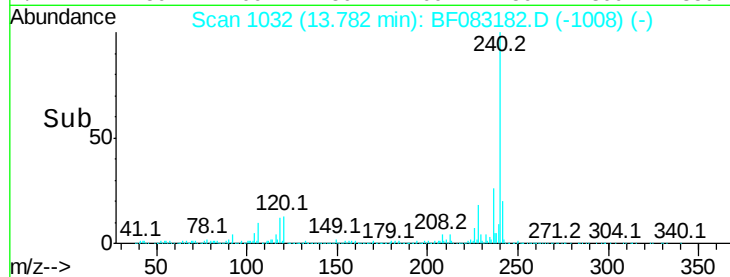
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

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

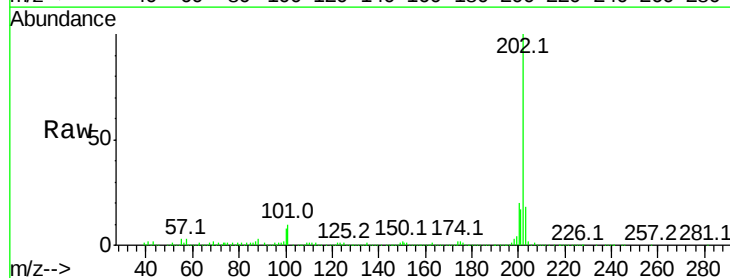
Tgt Ion:202 Resp: 322857

Ion Ratio Lower Upper

202 100

200 20.5 17.8 26.6

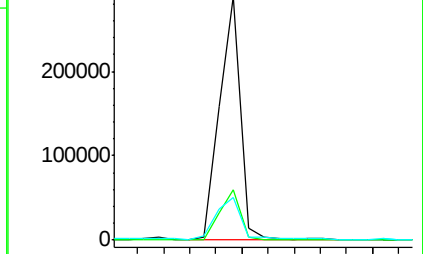
203 17.5 15.0 22.4



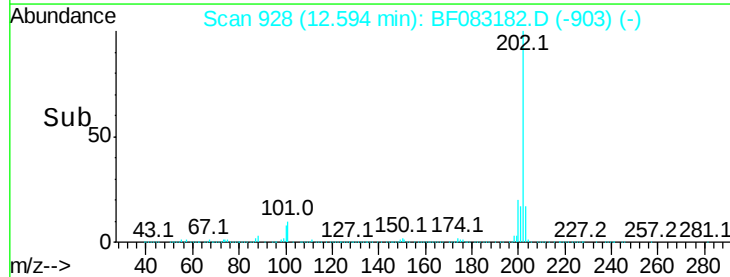
Abundance Ion 202.00 (201.70 to 202.70): E

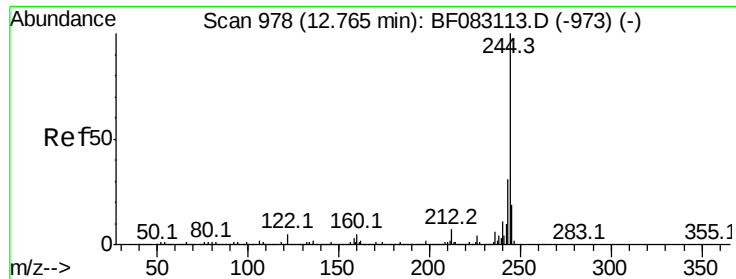
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

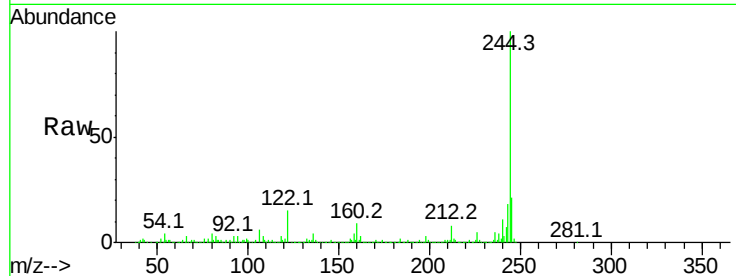
Tot Ion:244 Resp: 1234359

Ion Ratio Lower Upper

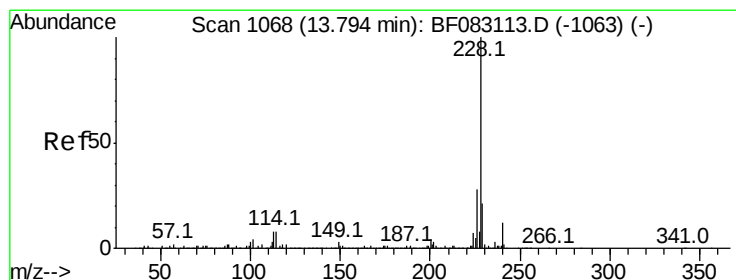
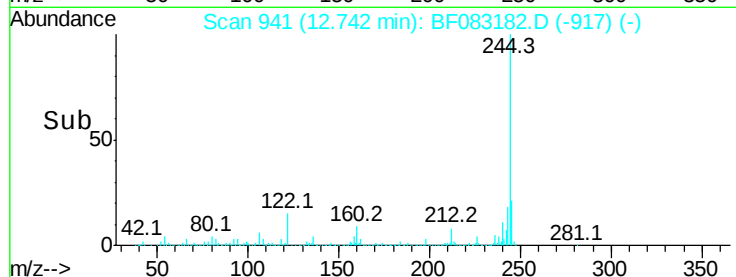
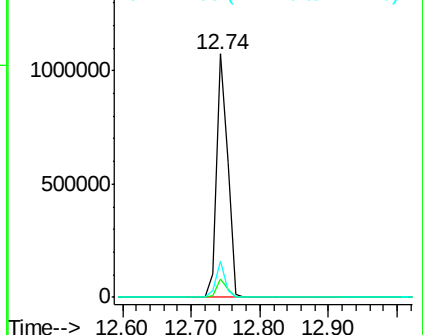
244 100

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

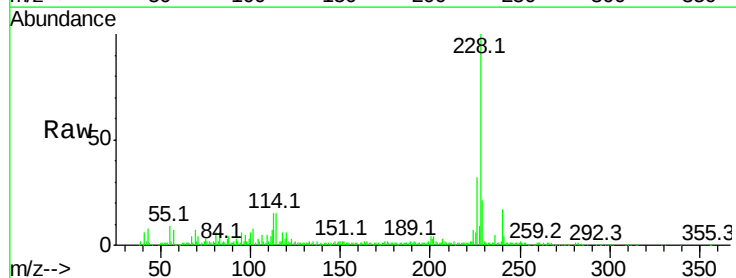
Tgt Ion:228 Resp: 184842

Ion Ratio Lower Upper

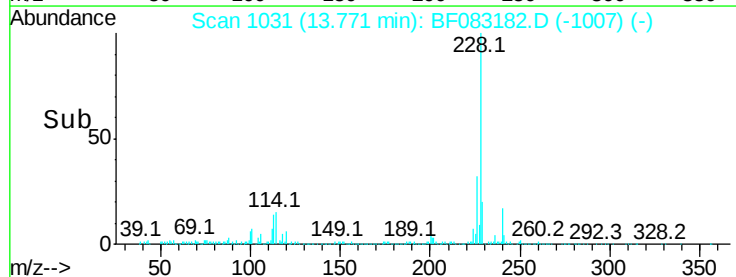
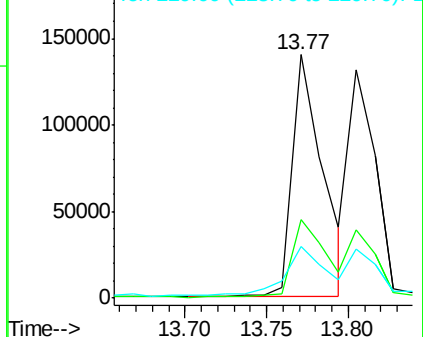
228 100

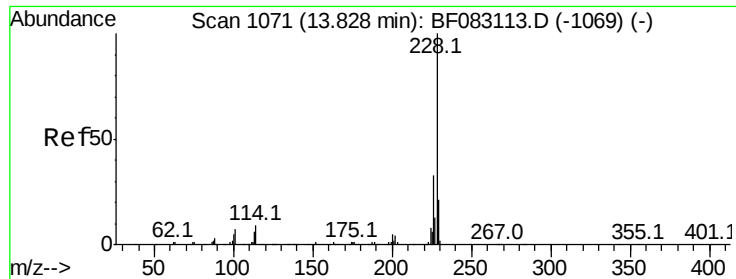
226 32.1 22.6 33.8

229 21.1 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: 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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

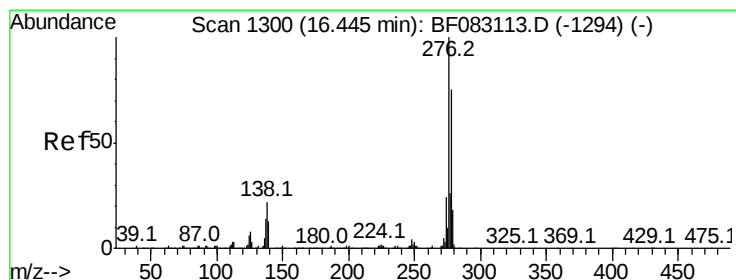
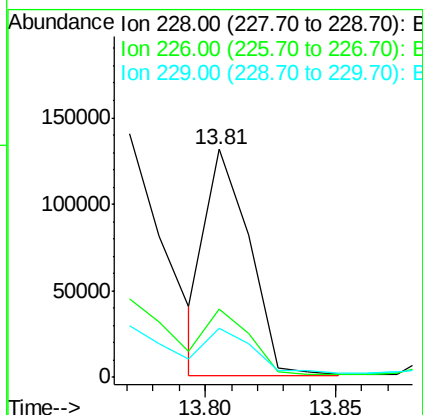
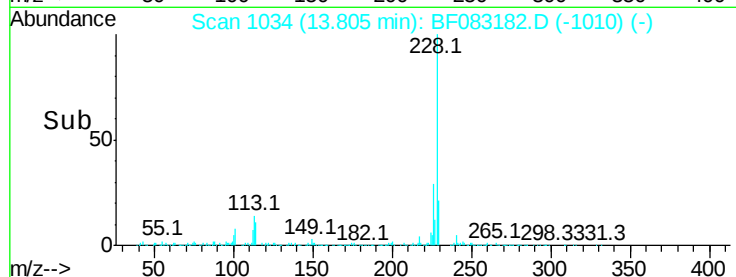
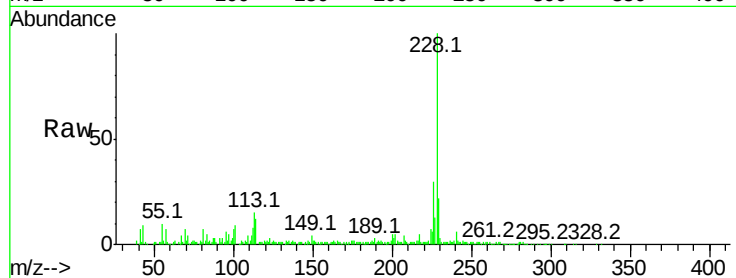
Tot Ion:228 Resp: 150475

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

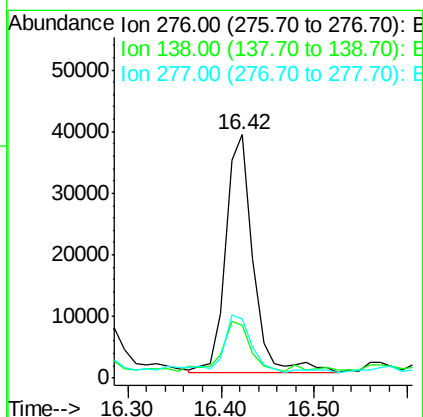
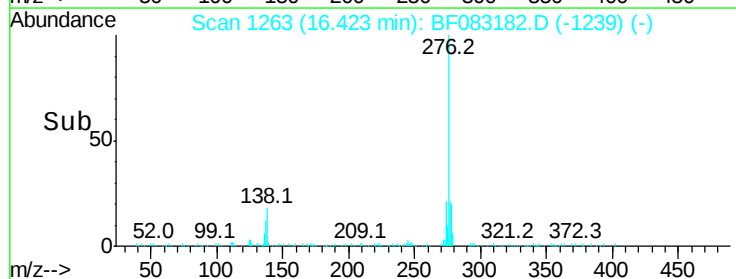
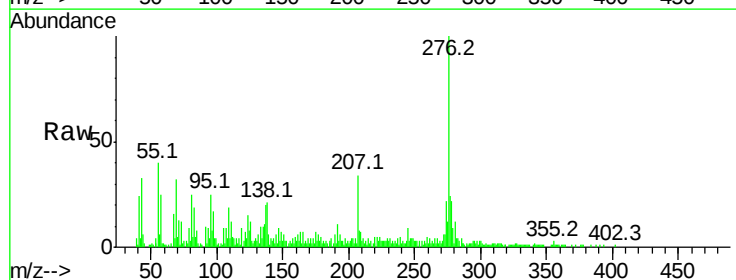
Tgt Ion:276 Resp: 78756

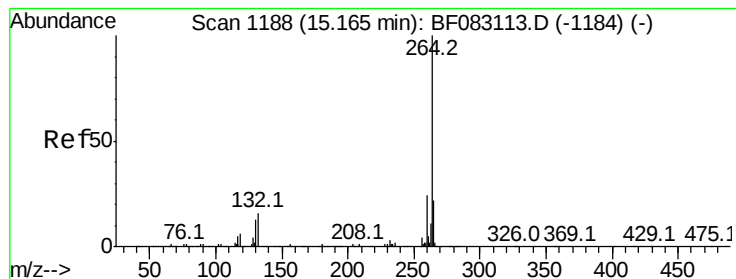
Ion Ratio Lower Upper

276 100

138 22.1 18.0 27.0

277 24.2 20.2 30.4





#86

Pervlene-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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

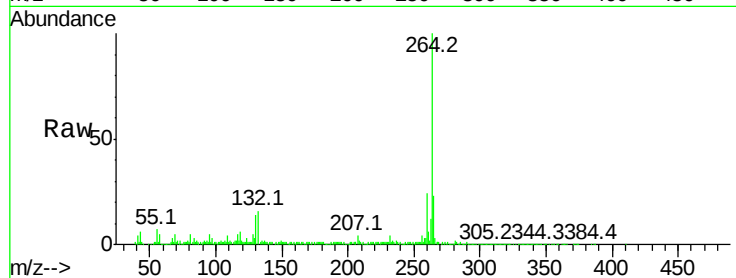
Tot Ion:264 Resp: 333665

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

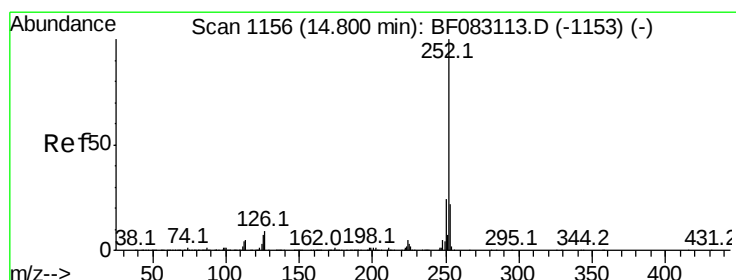
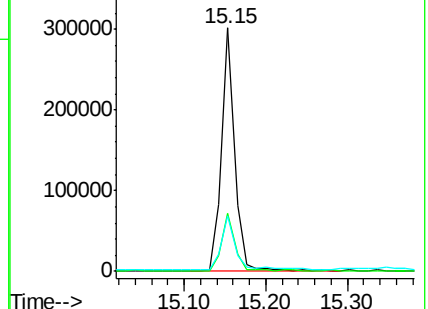
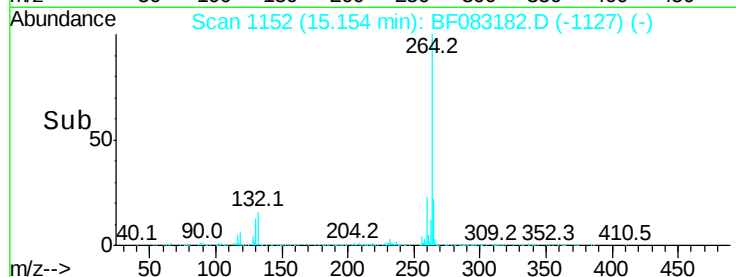
265 22.8 18.2 27.4



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: 10.37 ng

RT: 14.78 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083182.D

Acq: 23 Nov 2015 2:33

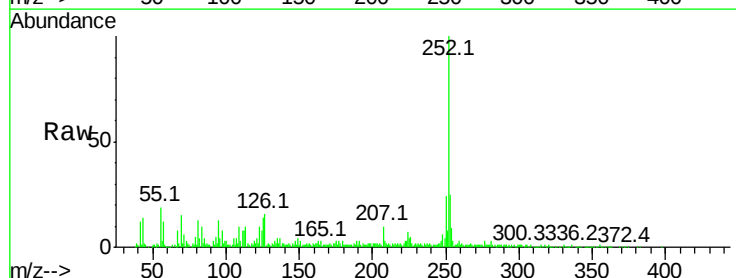
Tgt Ion:252 Resp: 236466

Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

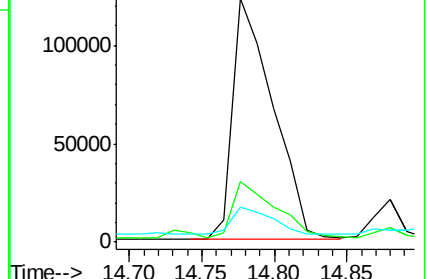
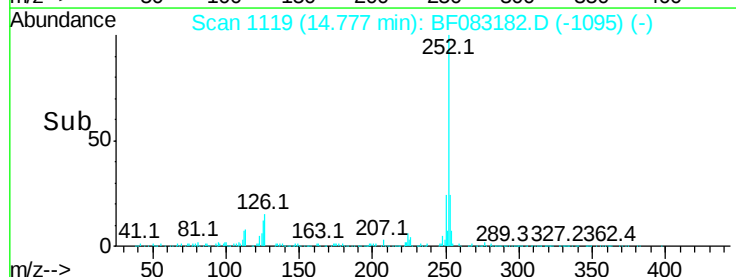
125 14.5 5.6 8.4#

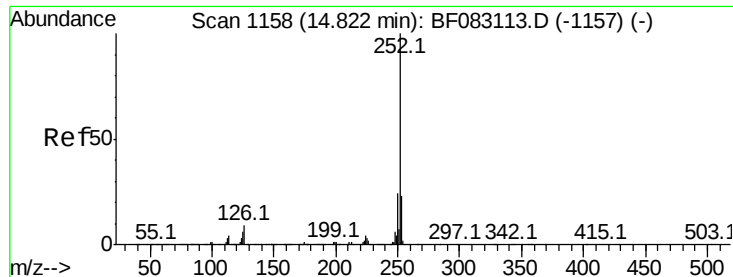


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

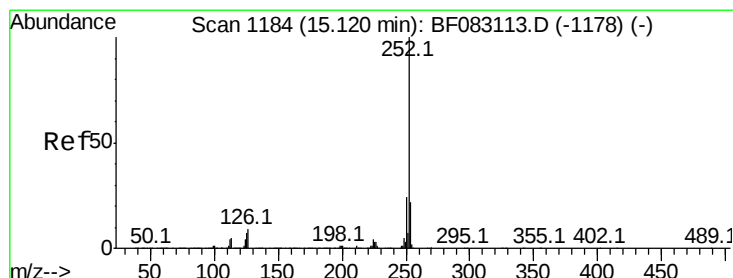
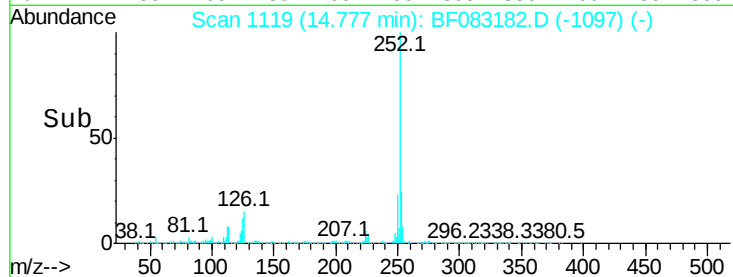
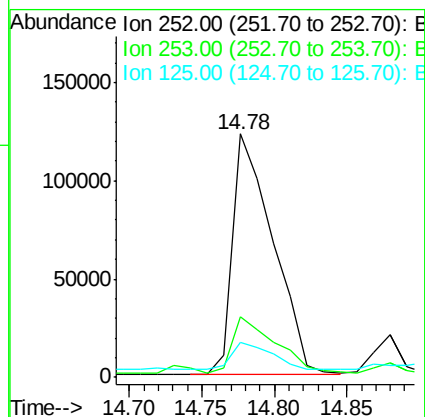
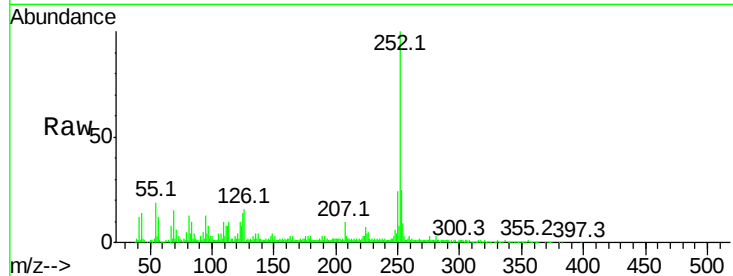




#88
Benzo(k)fluoranthene
Concen: 13.89 ng
RT: 14.78 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083182.D
Acq: 23 Nov 2015 2:33

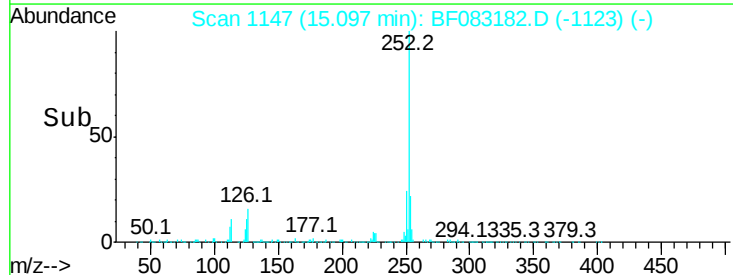
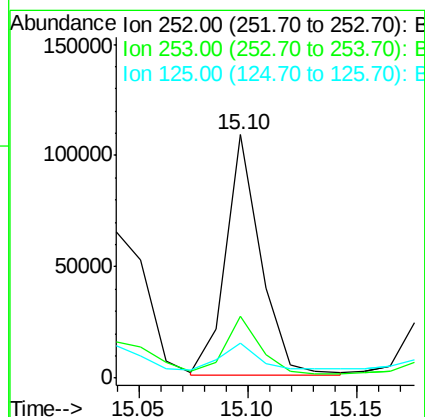
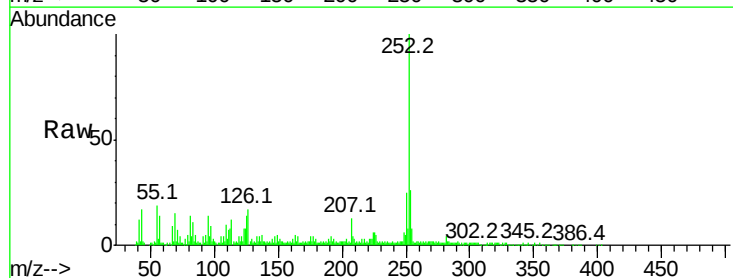
Instrument :
BNA_F
ClientSampleId :
FILL-DIRT-3

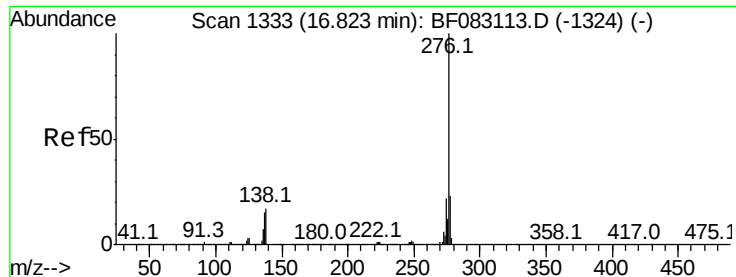
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	14.5	6.8	10.2



#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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	14.3	5.4	8.0





#91

Benzo(a,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

Instrument :

BNA_F

ClientSampleId :

FILL-DIRT-3

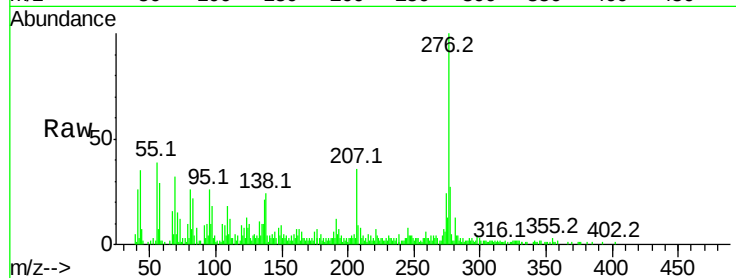
Tot Ion:276 Resp: 77595

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

