

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
 Data File : BF092500.D
 Acq On : 26 Jan 2017 2:05
 Operator : SJ/MA
 Sample : I1379-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-COMPOSITE

Quant Time: Jan 26 12:02:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	154056	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	553796	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	315631	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	555799	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	508074	20.00	ng	-0.02
86) Perylene-d12	15.62	264	417319	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	1026403	103.66	ng	0.01
7) Phenol-d6	6.59	99	1469160	116.48	ng	0.00
23) Nitrobenzene-d5	7.53	82	871378	85.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	305871	142.21	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1199250	70.26	ng	-0.01
78) Terphenyl-d14	13.11	244	1343796	70.43	ng	-0.01

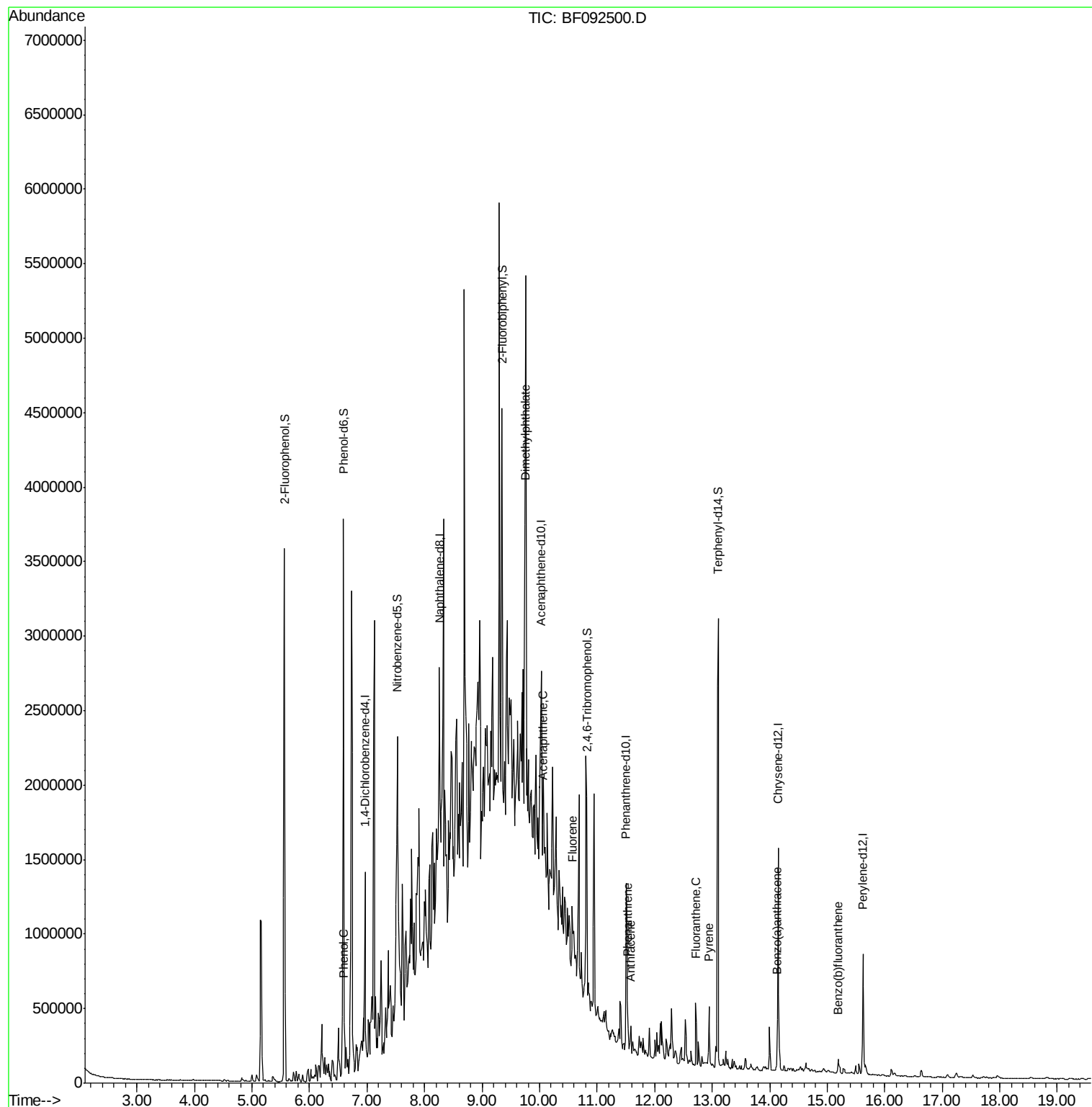
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	83291	5.47	ng	# 66
49) Dimethylphthalate	9.74	163	87797	4.37	ng	# 80
51) Acenaphthene	10.05	154	64918	3.82	ng	# 89
57) Fluorene	10.57	166	60323	3.53	ng	# 85
70) Phenanthrene	11.53	178	138247	4.52	ng	97
71) Anthracene	11.59	178	74423	2.49	ng	96
74) Fluoranthene	12.72	202	216553	7.23	ng	94
77) Pyrene	12.95	202	199979	5.43	ng	98
80) Benzo(a)anthracene	14.13	228	67616	2.48	ng	97
87) Benzo(b)fluoranthene	15.19	252	57486m	2.15	ng	

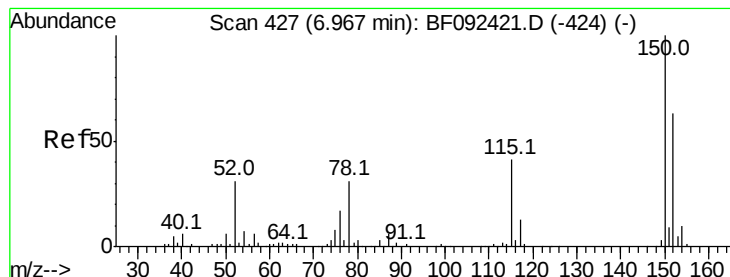
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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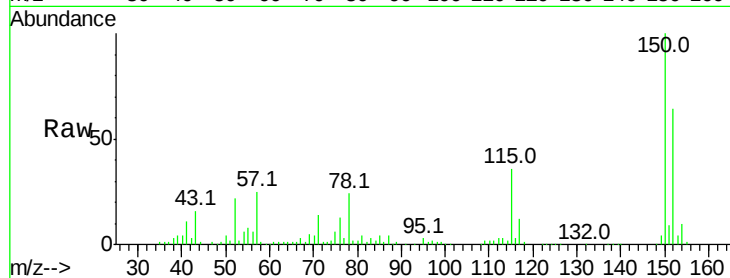


#1

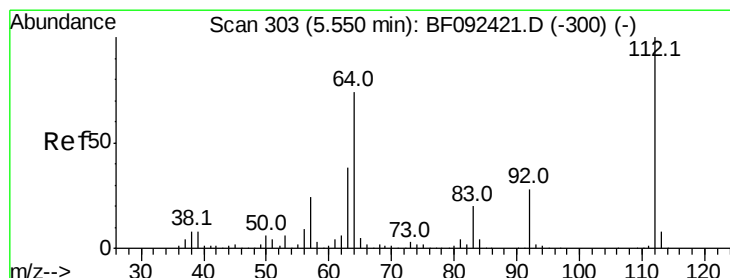
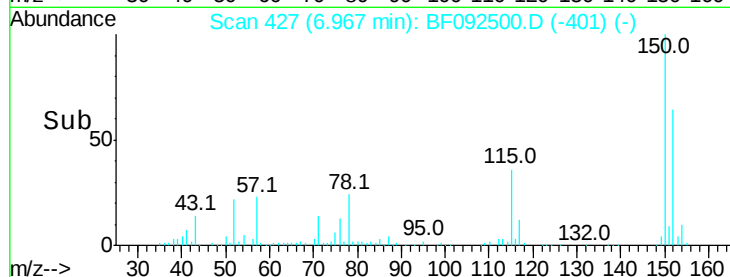
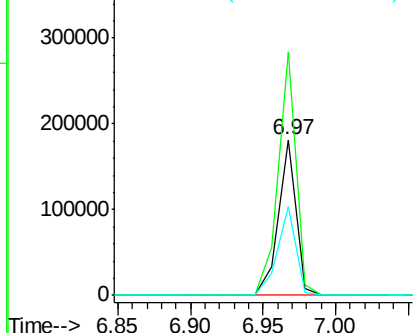
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092500.D
Acq: 26 Jan 2017 2:05

Instrument :
BNA_F
ClientSampleId :
WC-COMPOSITE

Tot Ion:152 Resp: 154056
Ion Ratio Lower Upper
152 100
150 156.7 124.9 187.3
115 57.0 46.0 69.0



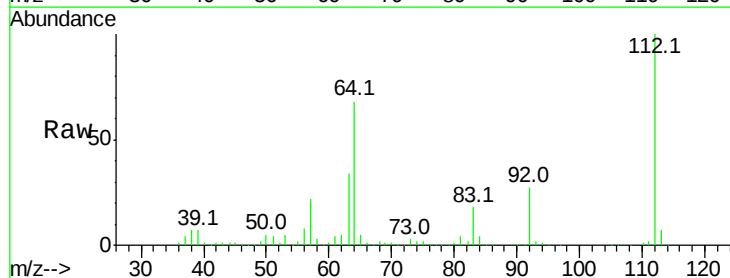
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



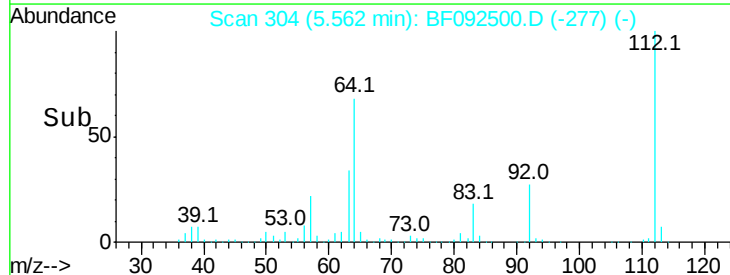
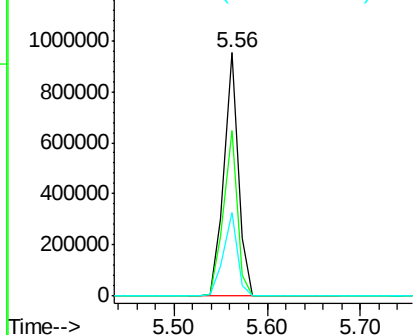
#5

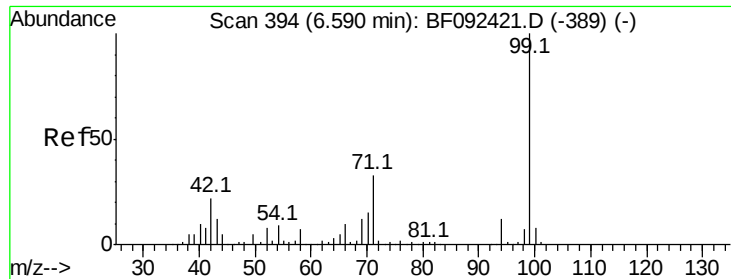
2-Fluorophenol
Concen: 103.66 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092500.D
Acq: 26 Jan 2017 2:05

Tgt Ion:112 Resp: 1026403
Ion Ratio Lower Upper
112 100
64 68.1 46.1 69.1
63 34.5 23.8 35.6



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: 116.48 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITE

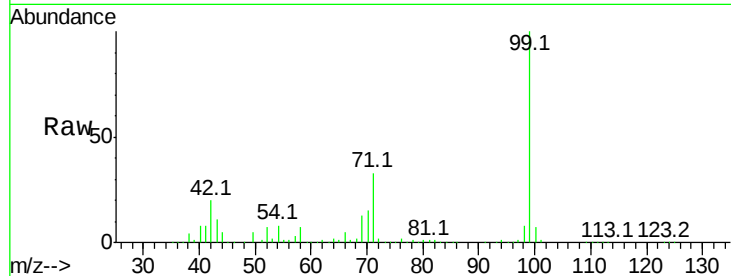
Tot Ion: 99 Resp: 1469160

Ion Ratio Lower Upper

99 100

42 20.1 15.6 23.4

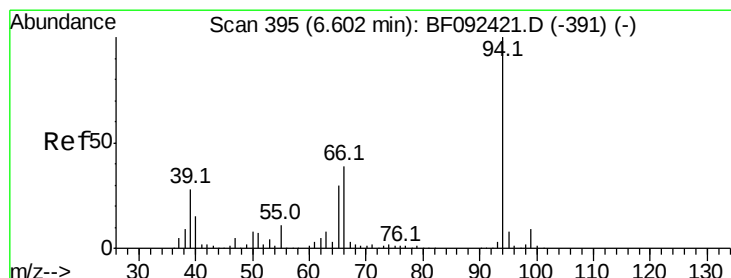
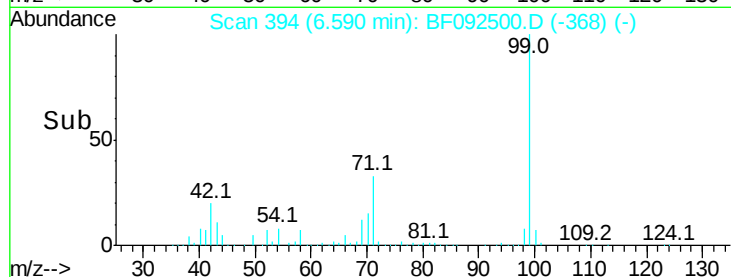
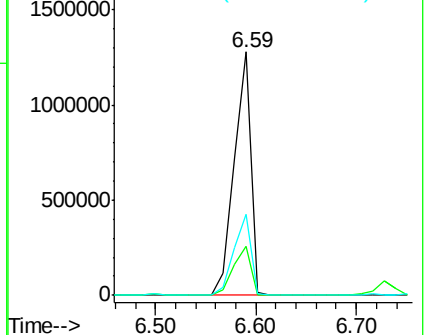
71 33.1 27.5 41.3



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



#10

Phenol

Concen: 5.47 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.00 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

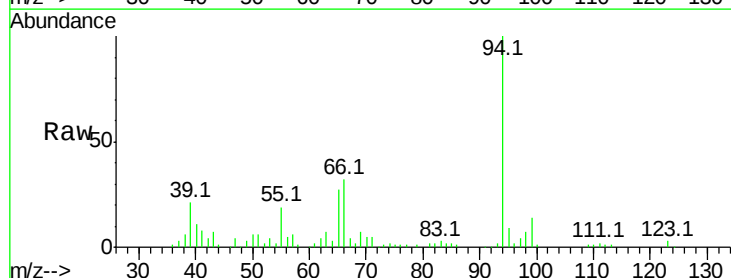
Tgt Ion: 94 Resp: 83291

Ion Ratio Lower Upper

94 100

65 27.0 21.4 61.4

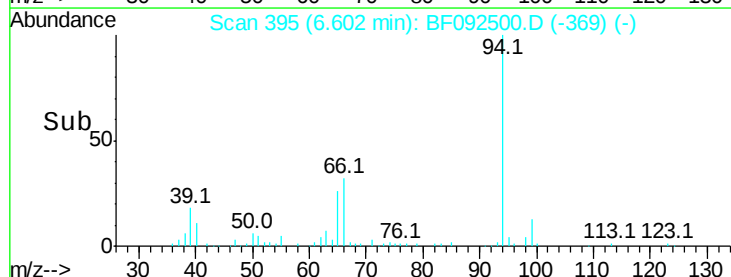
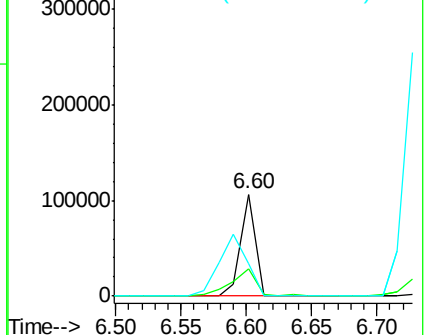
66 32.2 44.0 84.0#

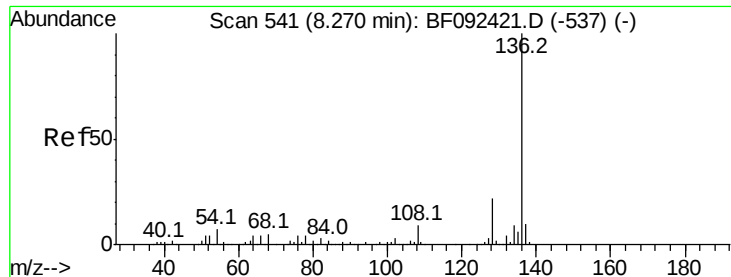


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITE

Tot Ion:136 Resp: 553796

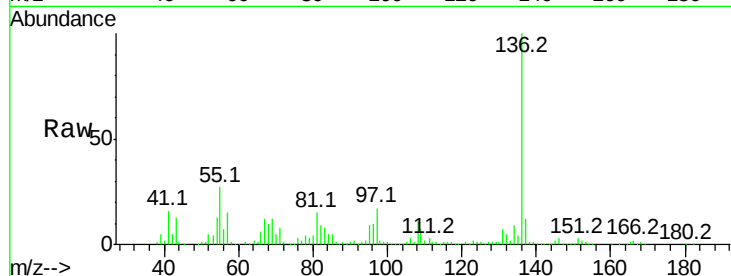
Ion Ratio Lower Upper

136 100

137 12.1 8.4 12.6

54 13.2 4.5 6.7#

68 10.4 3.6 5.4#

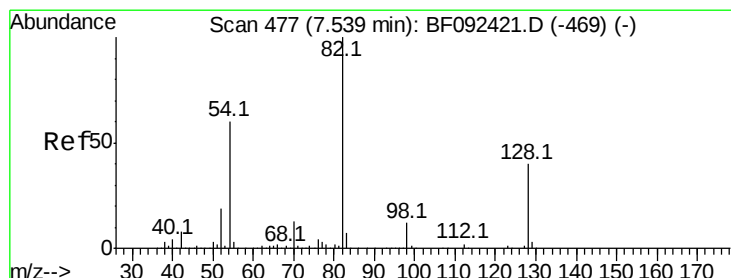
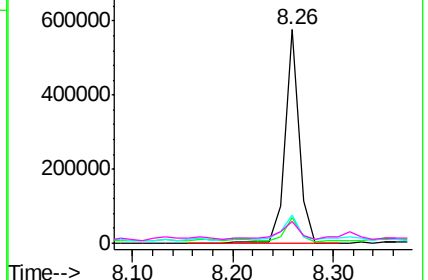
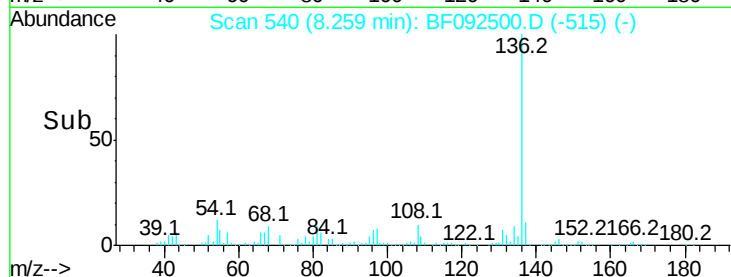


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.95 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

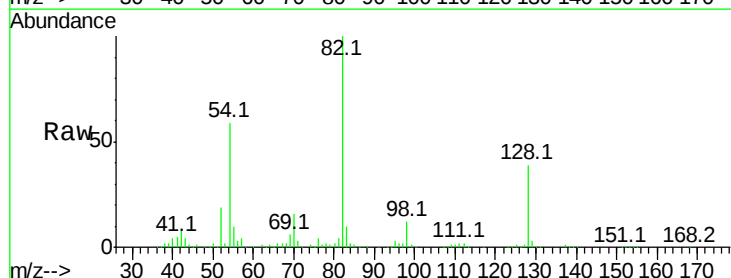
Tgt Ion: 82 Resp: 871378

Ion Ratio Lower Upper

82 100

128 38.8 34.6 52.0

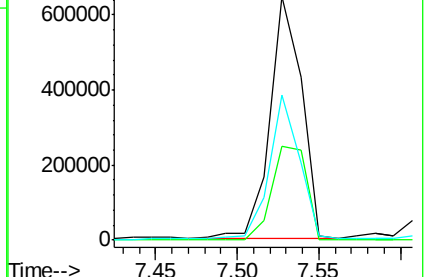
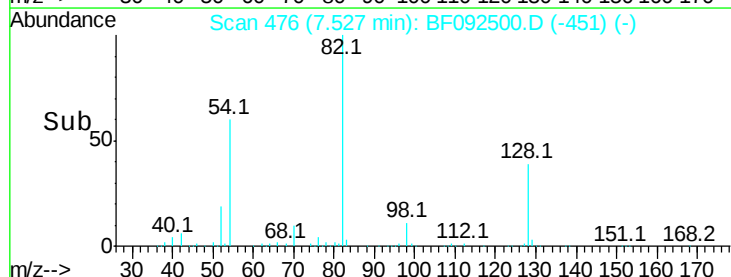
54 59.5 39.5 59.3#

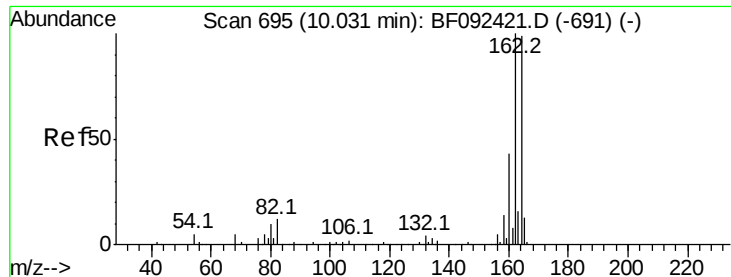


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

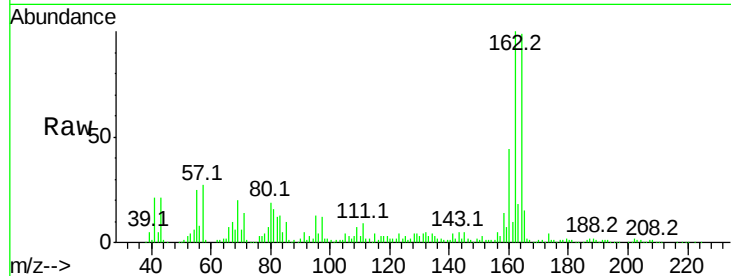




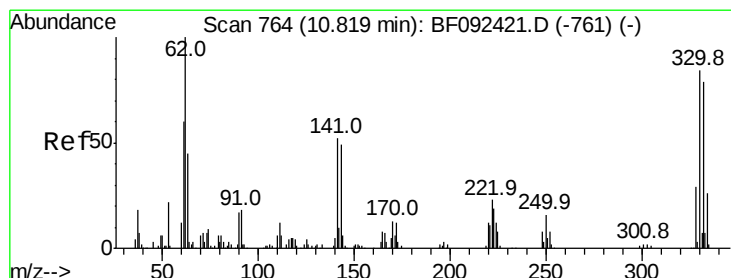
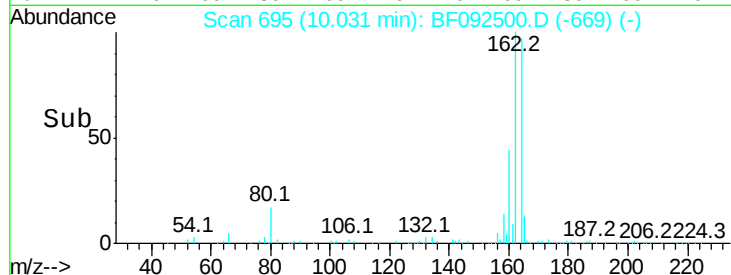
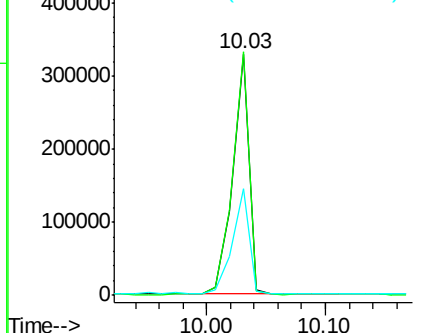
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF092500.D
Acq: 26 Jan 2017 2:05

Instrument :
BNA_F
ClientSampleId :
WC-COMPOSITE

Tot Ion:164 Resp: 315631
Ion Ratio Lower Upper
164 100
162 100.8 80.2 120.2
160 44.4 36.9 55.3

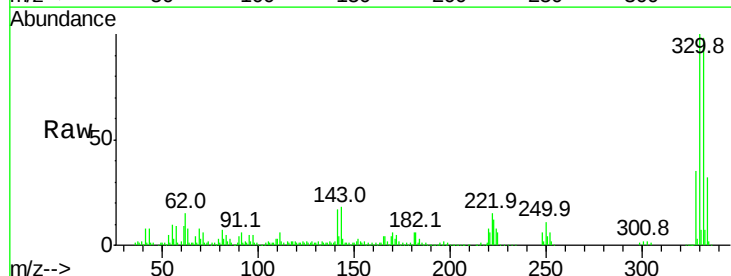


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

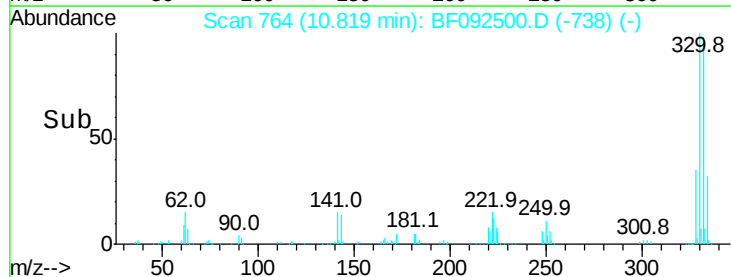
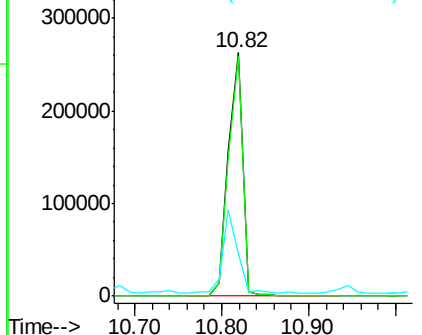


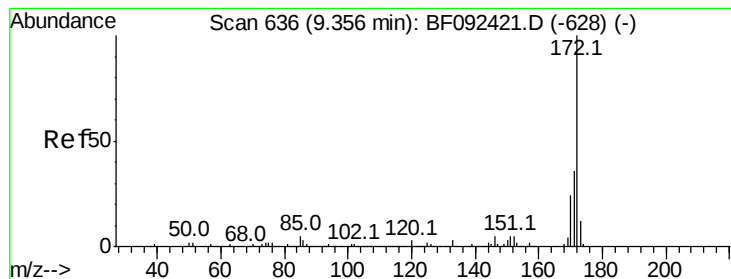
#41
2,4,6-Tribromophenol
Concen: 142.21 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF092500.D
Acq: 26 Jan 2017 2:05

Tgt Ion:330 Resp: 305871
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.2
141 35.7 34.1 51.1



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

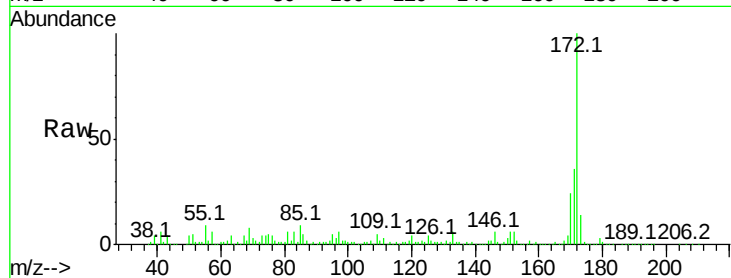




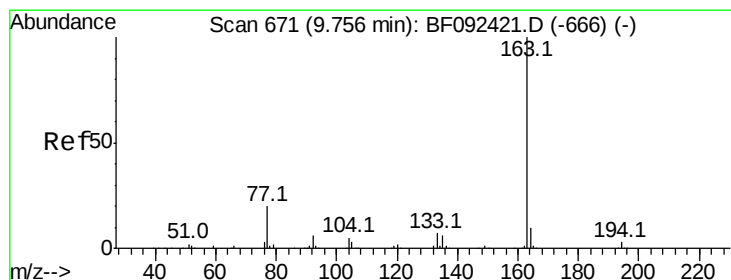
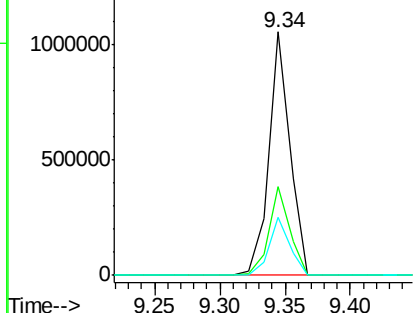
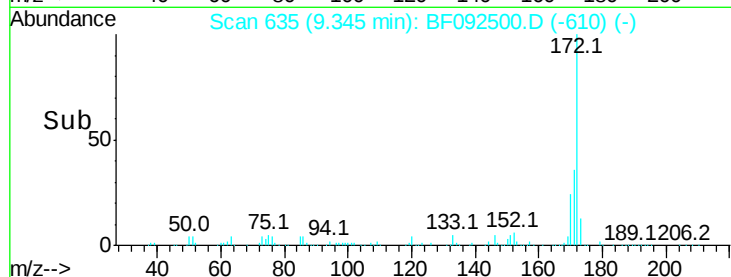
#44
2-Fluorobiphenyl
Concen: 70.26 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092500.D
Acq: 26 Jan 2017 2:05

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:172 Resp: 1199250
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.1 20.2 30.4

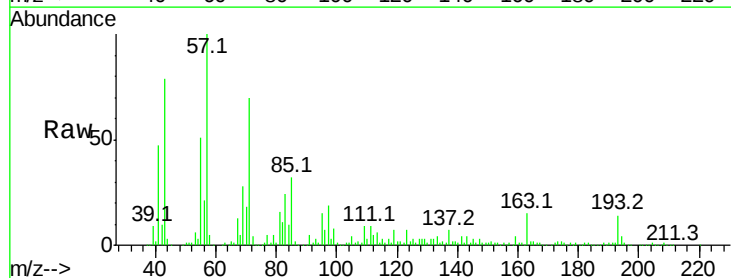


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

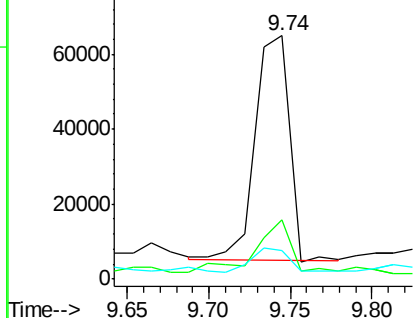
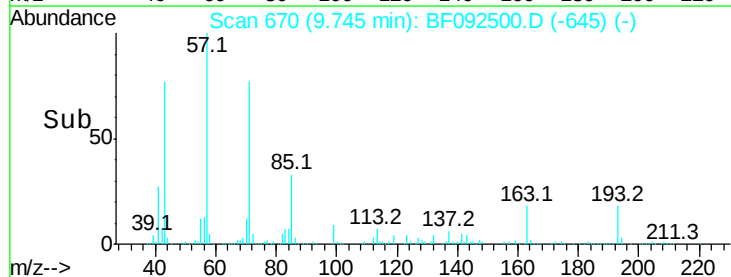


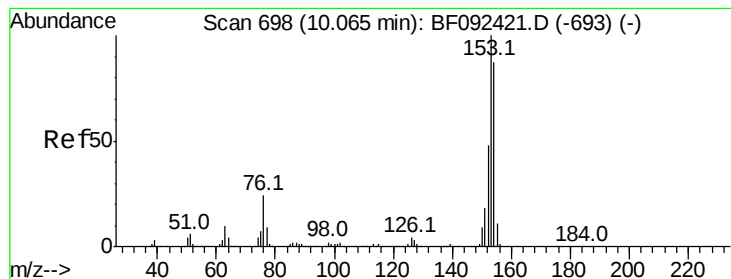
#49
Dimethylphthalate
Concen: 4.37 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092500.D
Acq: 26 Jan 2017 2:05

Tgt Ion:163 Resp: 87797
Ion Ratio Lower Upper
163 100
194 24.3 3.0 4.4#
164 11.8 8.0 12.0



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





#51

Acenaphthene

Concen: 3.82 ng

RT: 10.05 min Scan# 697

Delta R.T. -0.01 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITE

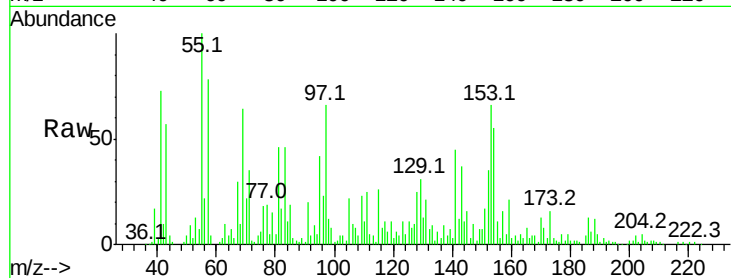
Tot Ion:154 Resp: 64918

Ion Ratio Lower Upper

154 100

153 120.2 88.6 133.0

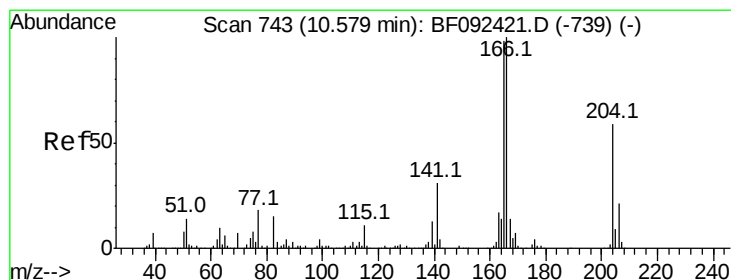
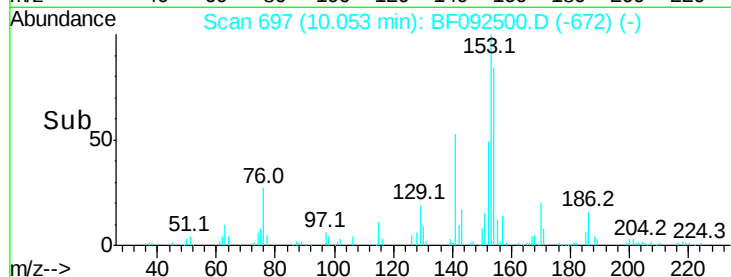
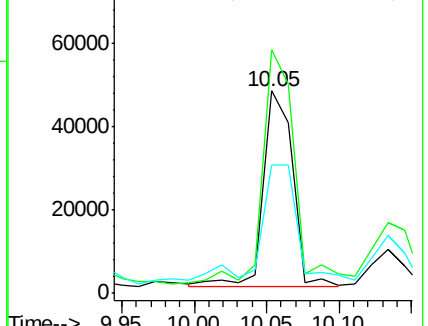
152 63.3 41.6 62.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.53 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

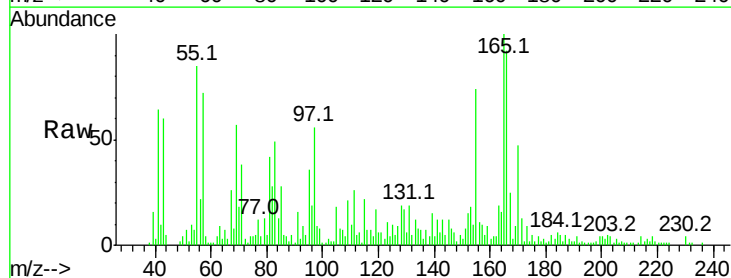
Tgt Ion:166 Resp: 60323

Ion Ratio Lower Upper

166 100

165 109.2 77.8 116.8

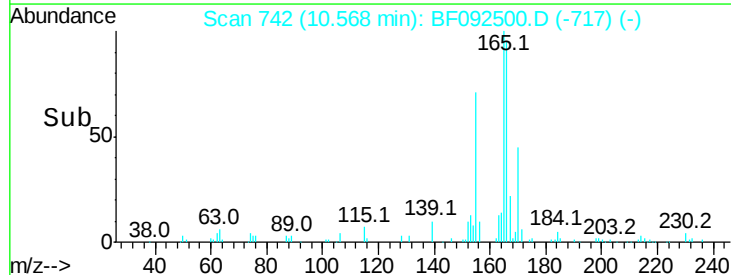
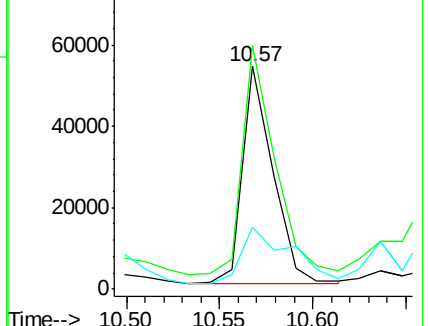
167 27.5 10.8 16.2#

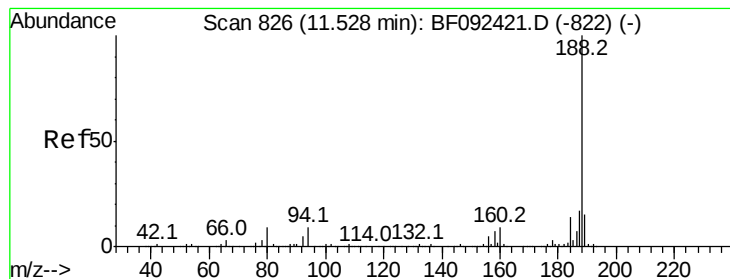


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.51 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITE

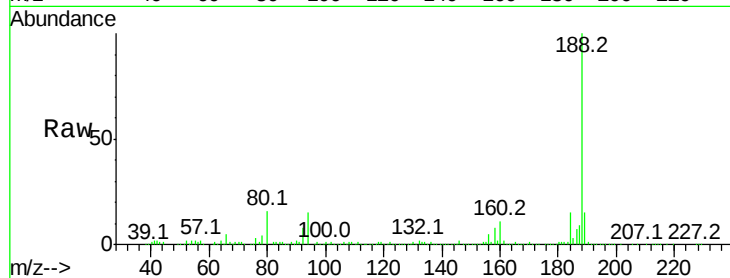
Tot Ion:188 Resp: 555799

Ion Ratio Lower Upper

188 100

94 14.5 10.0 15.0

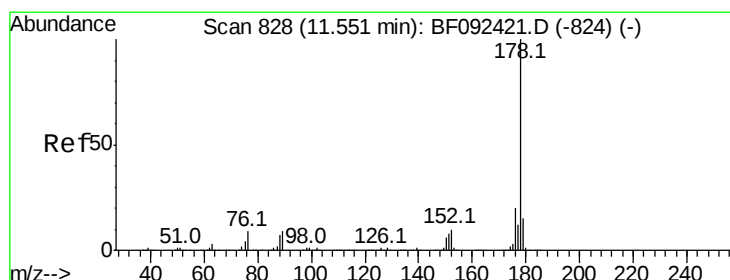
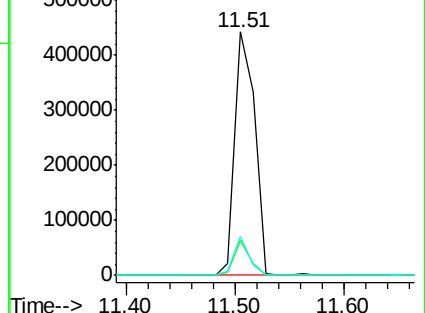
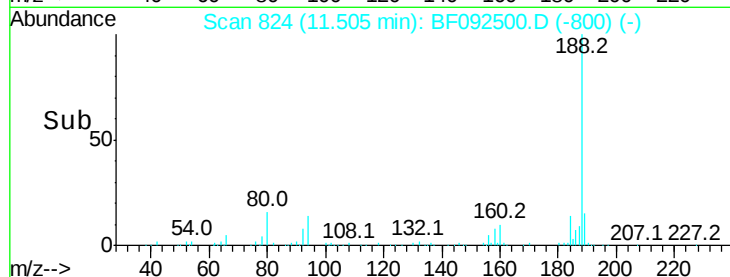
80 16.0 11.2 16.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 4.52 ng

RT: 11.53 min Scan# 826

Delta R.T. -0.02 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

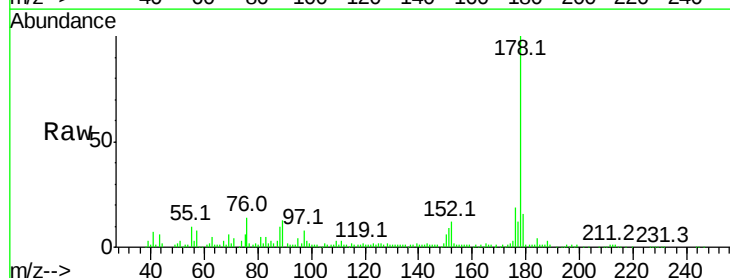
Tgt Ion:178 Resp: 138247

Ion Ratio Lower Upper

178 100

176 18.6 16.6 25.0

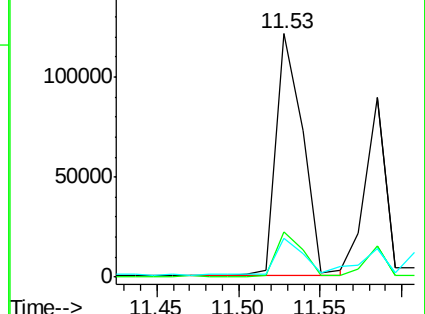
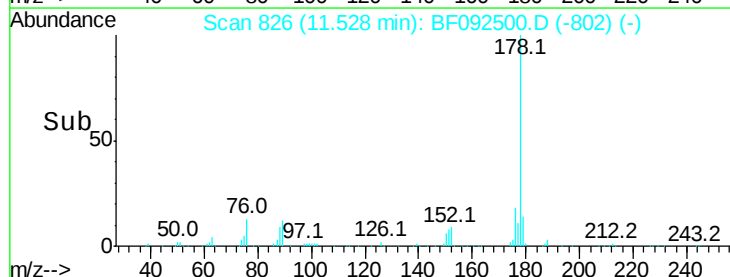
179 16.2 12.8 19.2

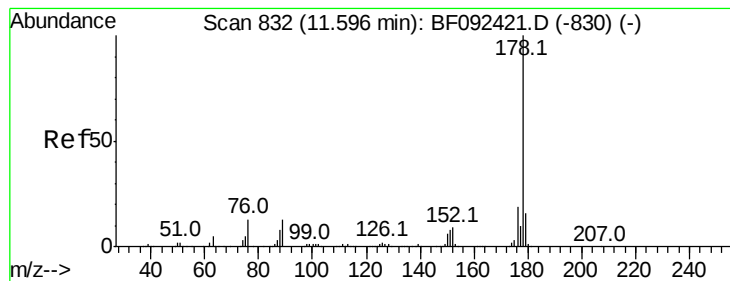


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.49 ng

RT: 11.59 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITE

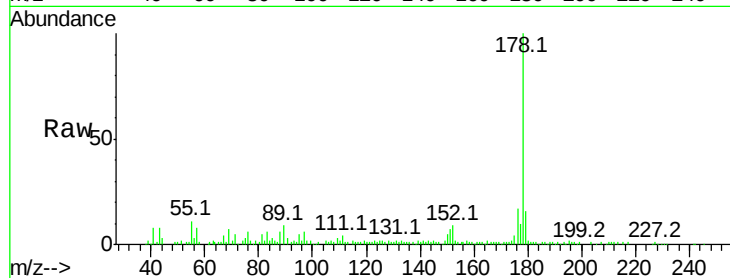
Tot Ion:178 Resp: 74423

Ion Ratio Lower Upper

178 100

176 17.1 15.9 23.9

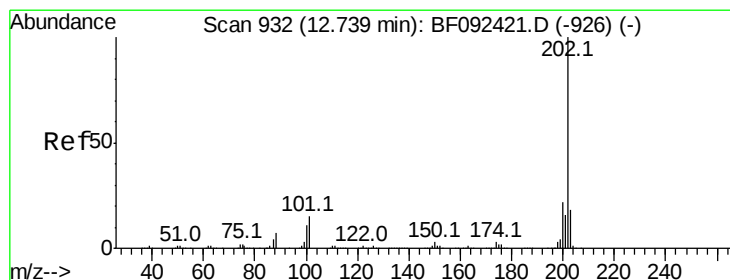
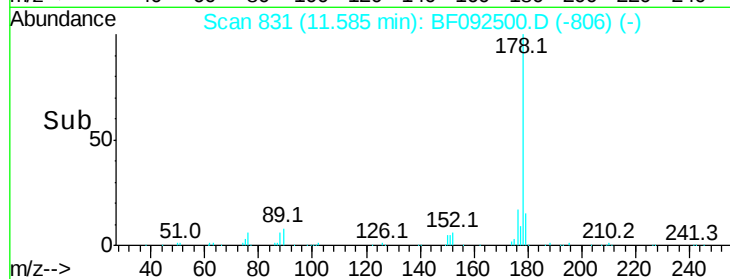
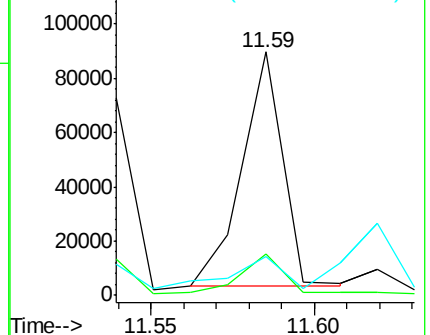
179 15.9 13.2 19.8



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: 7.23 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.02 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

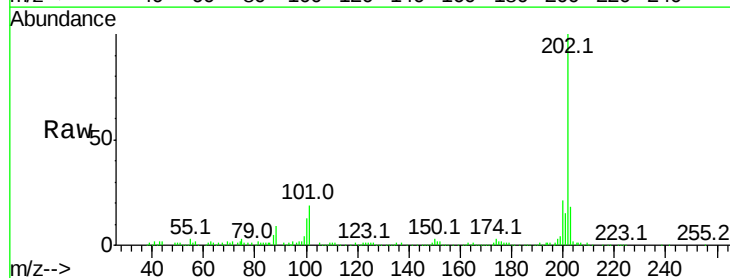
Tgt Ion:202 Resp: 216553

Ion Ratio Lower Upper

202 100

101 18.5 0.0 34.6

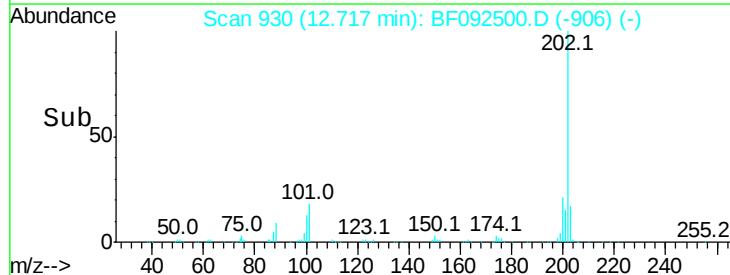
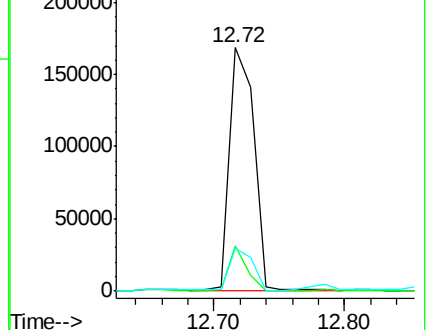
203 17.6 0.0 38.7

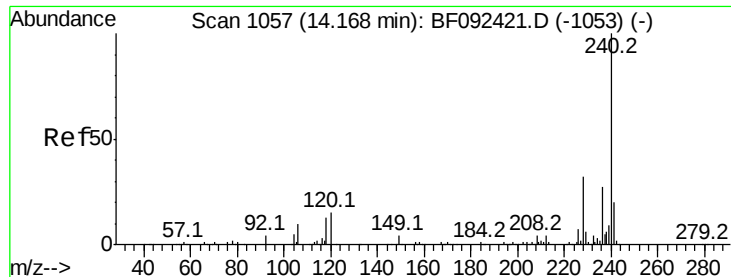


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITE

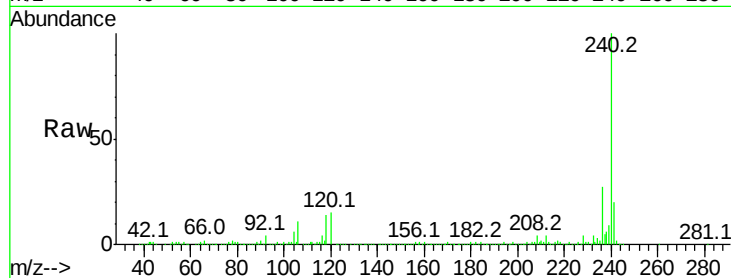
Tot Ion:240 Resp: 508074

Ion Ratio Lower Upper

240 100

120 15.4 12.9 19.3

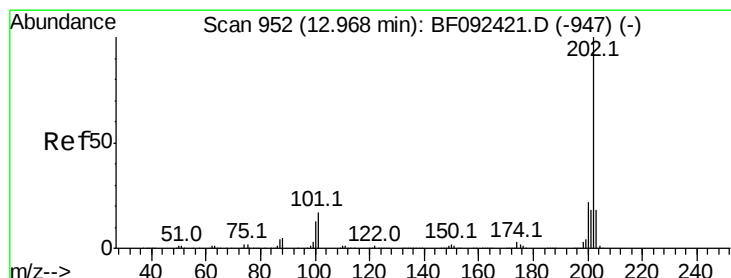
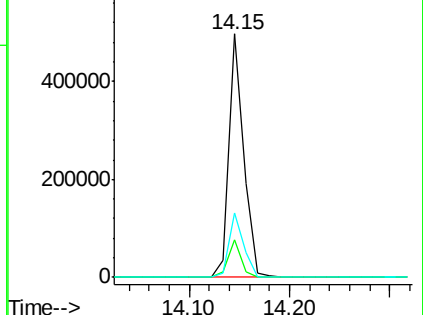
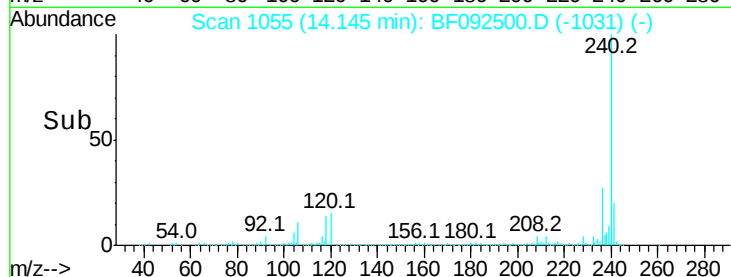
236 26.6 20.9 31.3



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



#77

Pyrene

Concen: 5.43 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

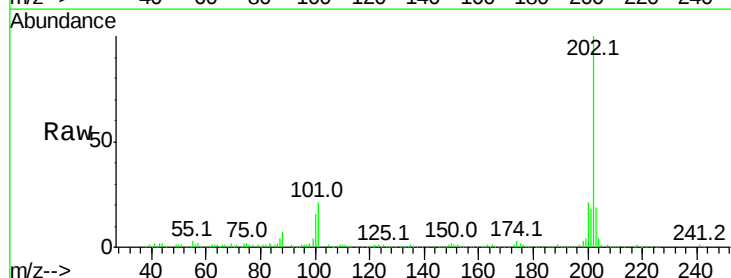
Tgt Ion:202 Resp: 199979

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

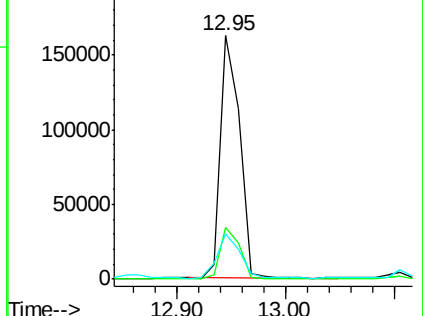
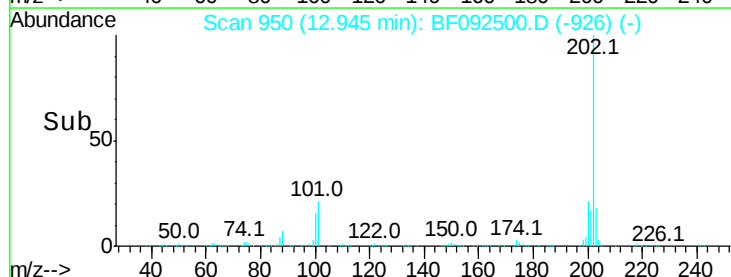
203 18.8 14.7 22.1

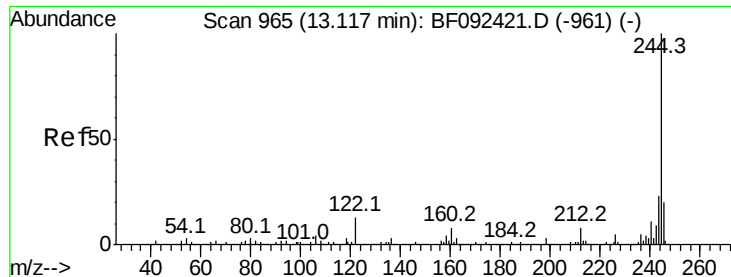


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.43 ng

RT: 13.11 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

Instrument :

BNA_F

ClientSampleId :

WC-COMPOSITE

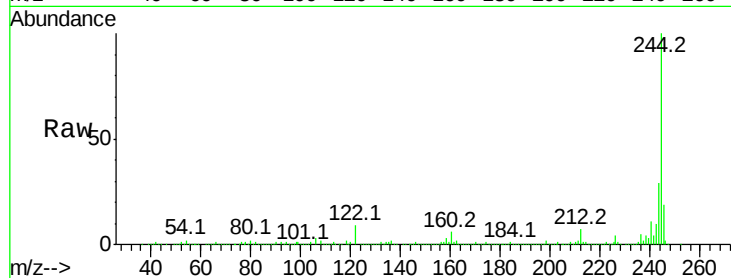
Tot Ion:244 Resp: 1343796

Ion Ratio Lower Upper

244 100

212 7.1 6.2 9.2

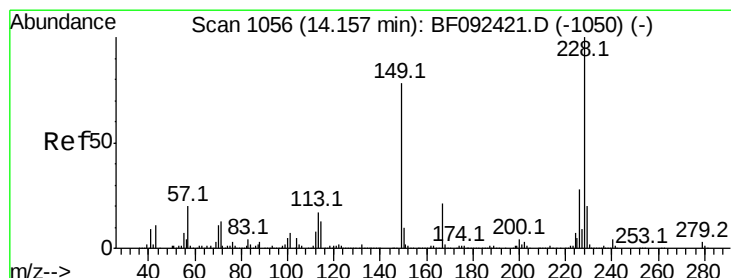
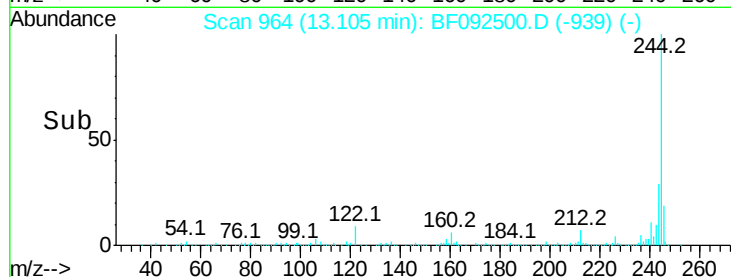
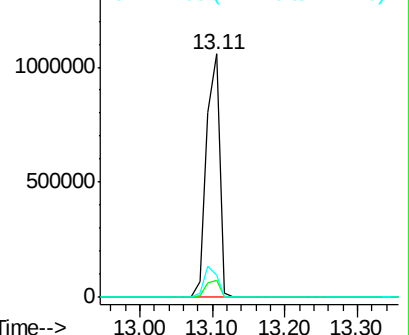
122 9.0 11.4 17.2#



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: 2.48 ng

RT: 14.13 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BF092500.D

Acq: 26 Jan 2017 2:05

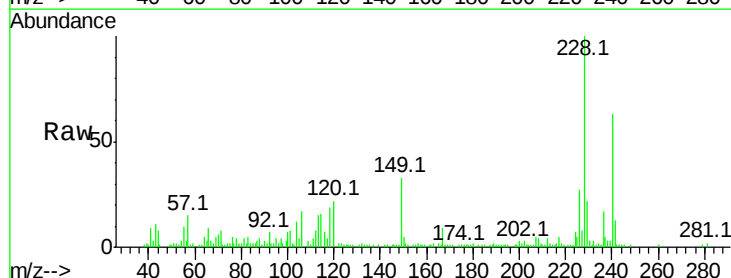
Tgt Ion:228 Resp: 67616

Ion Ratio Lower Upper

228 100

226 27.4 22.4 33.6

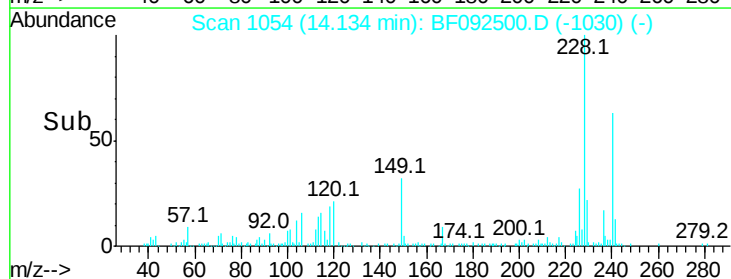
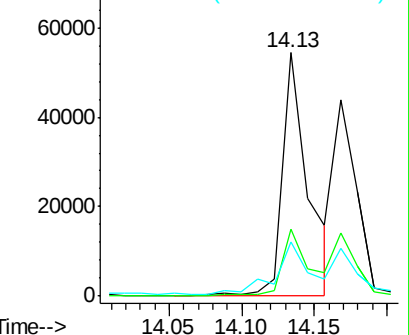
229 22.3 16.2 24.4

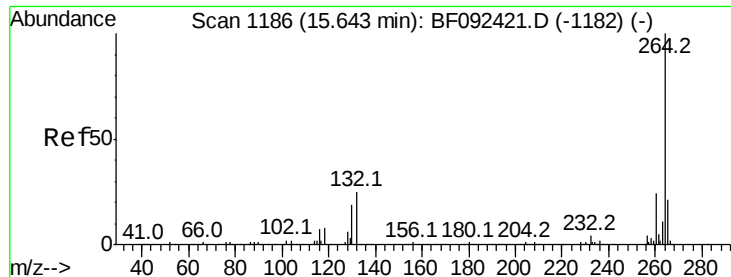


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

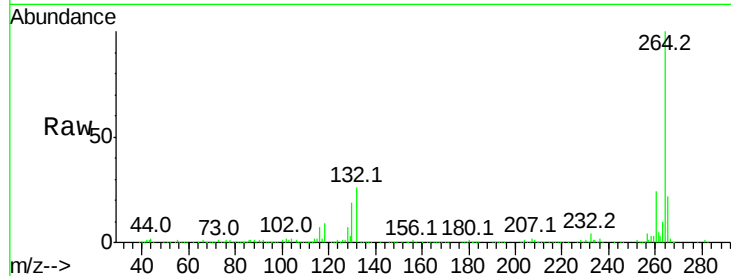




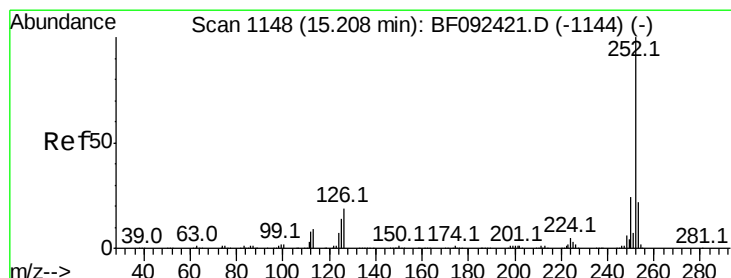
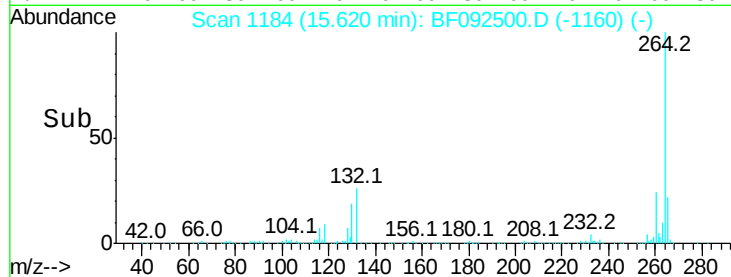
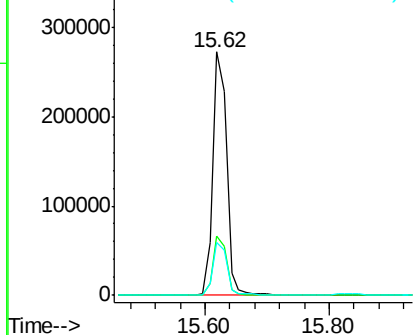
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.62 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF092500.D
Acq: 26 Jan 2017 2:05

Instrument :
BNA_F
ClientSampleId :
WC-COMPOSITE

Tot Ion:264 Resp: 417319
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.9 17.4 26.0

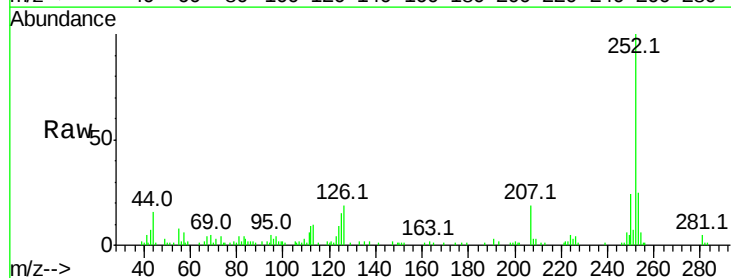


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.15 ng m
RT: 15.19 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BF092500.D
Acq: 26 Jan 2017 2:05

Tgt Ion:252 Resp: 57486
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.4
125 15.3 9.8 14.6#



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

