

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
 Data File : BF090180.D
 Acq On : 22 Sep 2016 1:03
 Operator : UM/SJ
 Sample : H4856-06 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-7-0.5-2FT

Quant Time: Sep 22 04:05:24 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

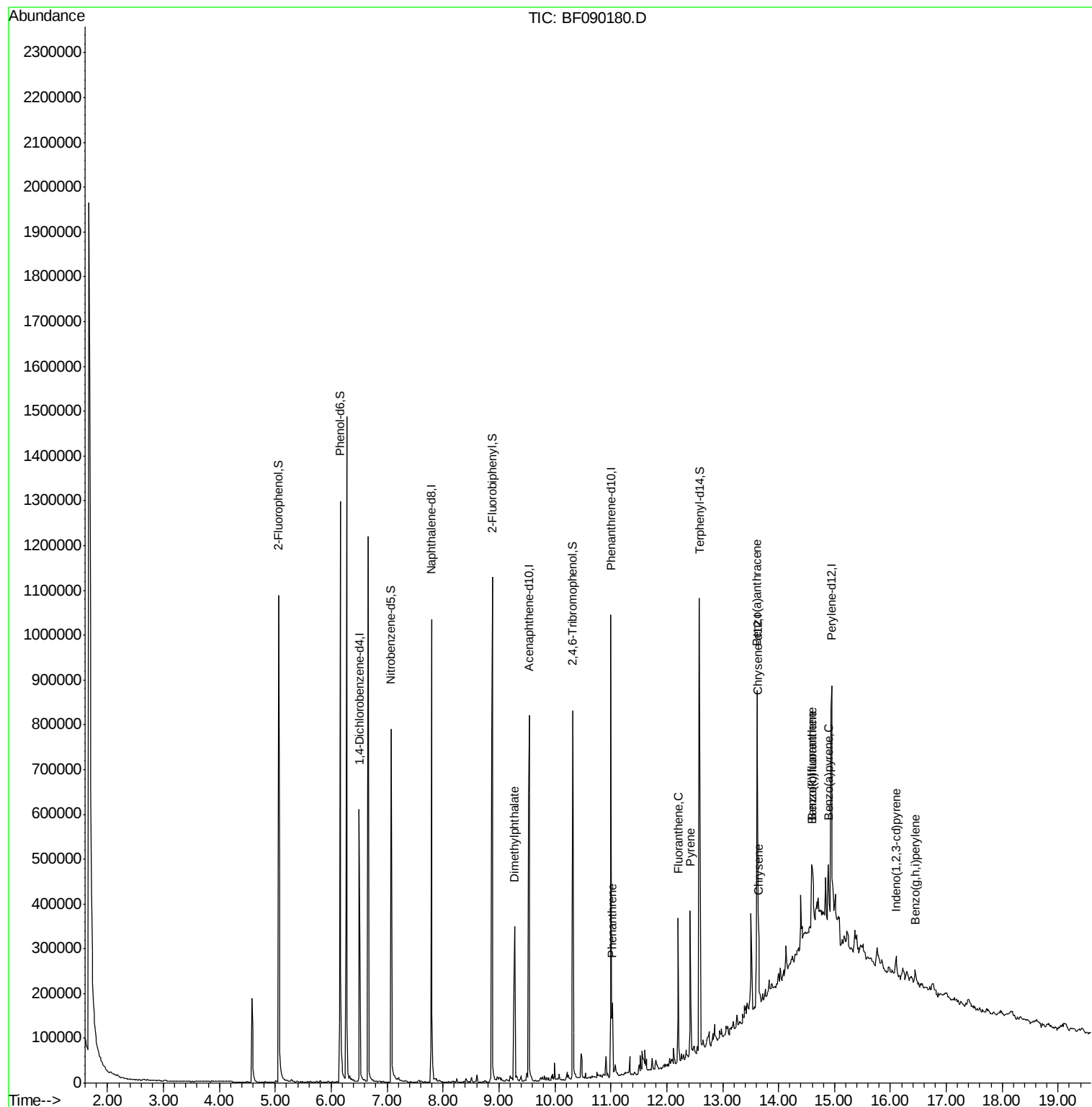
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	122804	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	462231	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	251665	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	366402	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	326881	20.00	ng	-0.01
86) Perylene-d12	14.95	264	292380	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	412561	54.76	ng	-0.01
7) Phenol-d6	6.16	99	537786	57.80	ng	-0.01
23) Nitrobenzene-d5	7.07	82	297260	37.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	106964	49.54	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	508314	39.65	ng	-0.01
78) Terphenyl-d14	12.58	244	371194	28.83	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.28	163	192015	11.98	ng	99
70) Phenanthrene	11.03	178	53298	3.11	ng	98
74) Fluoranthene	12.21	202	135835	7.38	ng	94
77) Pyrene	12.42	202	131504	5.88	ng	95
80) Benzo(a)anthracene	13.61	228	68024	3.87	ng	96
82) Chrysene	13.65	228	60373m	3.52	ng	
85) Indeno(1,2,3-cd)pyrene	16.10	276	27815	2.01	ng	96
87) Benzo(b)fluoranthene	14.59	252	69877m	4.32	ng	
88) Benzo(k)fluoranthene	14.61	252	38620m	2.54	ng	
89) Benzo(a)pyrene	14.89	252	52468	3.45	ng	# 90
91) Benzo(g,h,i)perylene	16.45	276	26881	2.31	ng	94

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
Data File : BF090180.D
Acq On : 22 Sep 2016 1:03
Operator : UM/SJ
Sample : H4856-06 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BH-7-0.5-2FT

Quant Time: Sep 22 04:05:24 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 17:58:29 2016
Response via : Initial Calibration

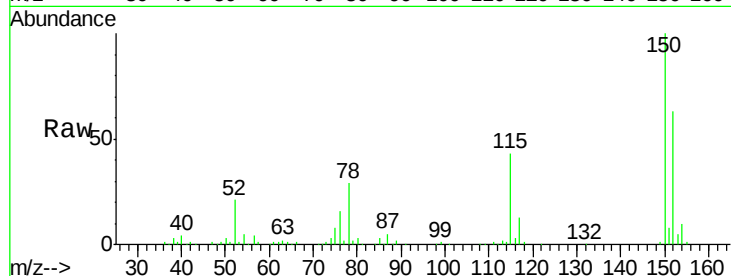




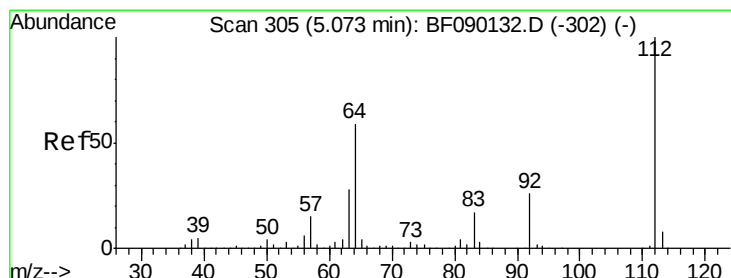
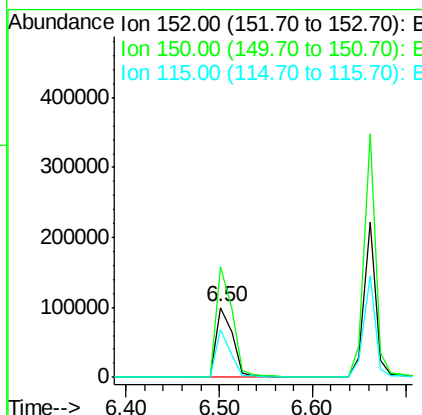
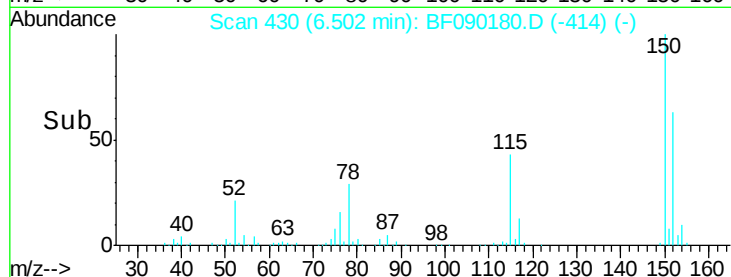
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.50 min Scan# 430
 Delta R.T. -0.02 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Instrument :
 BNA_F
 ClientSampleId :
 BH-7-0.5-2FT

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	128.9	193.3
115	68.6	55.5	83.3

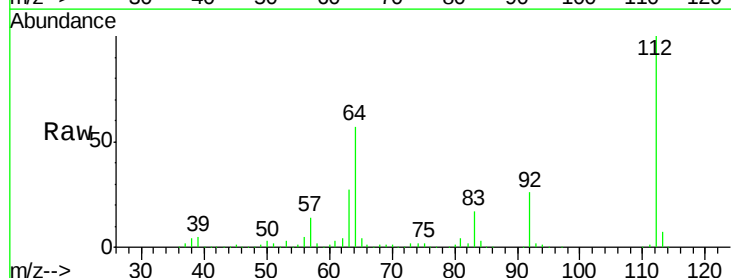


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

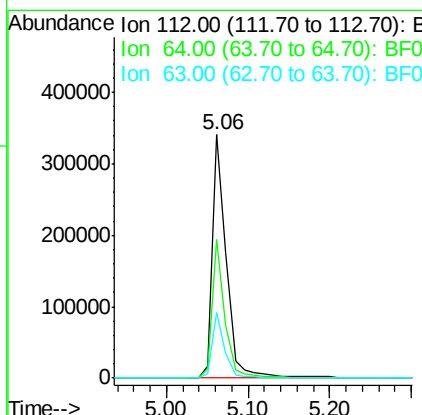
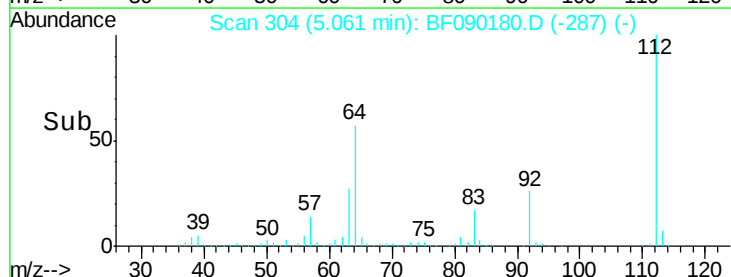


#5
 2-Fluorophenol
 Concen: 54.76 ng
 RT: 5.06 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	39.8	59.6
63	26.9	18.9	28.3



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: 57.80 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

Instrument :

BNA_F

ClientSampleId :

BH-7-0.5-2FT

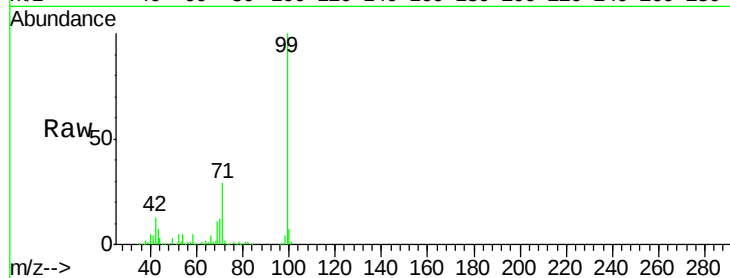
Tot Ion: 99 Resp: 537786

Ion Ratio Lower Upper

99 100

42 13.2 10.6 15.8

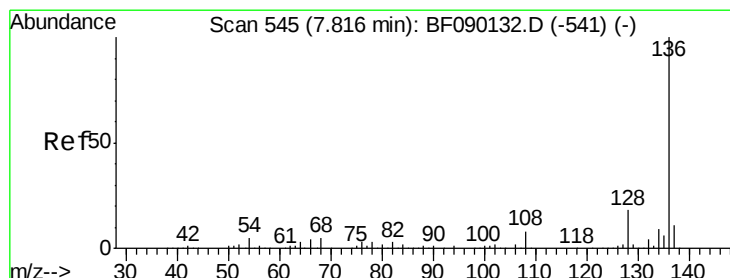
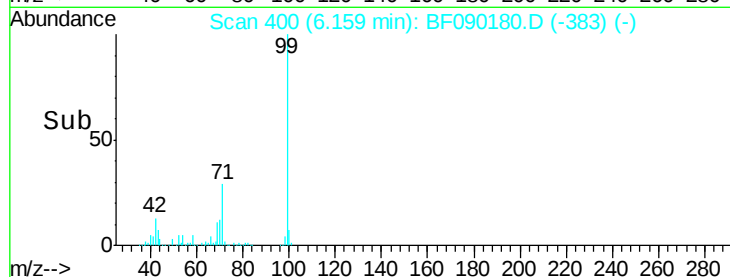
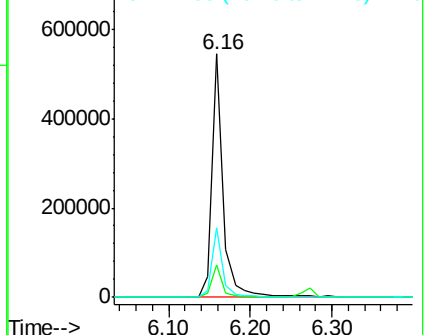
71 28.6 23.0 34.6



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: 7.79 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

Tgt Ion: 136 Resp: 462231

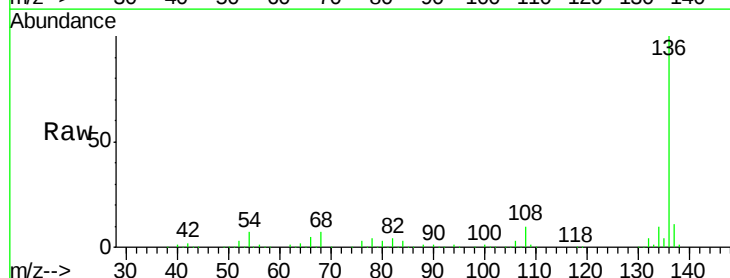
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.4 6.4 9.6

68 7.0 6.3 9.5

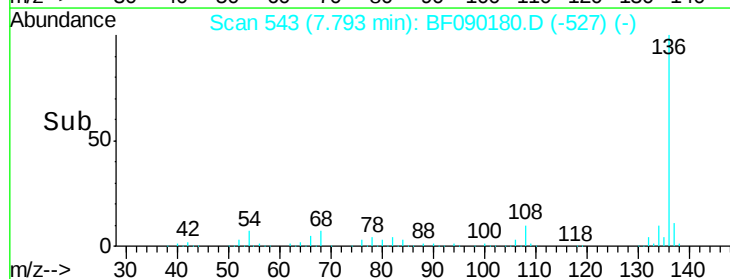
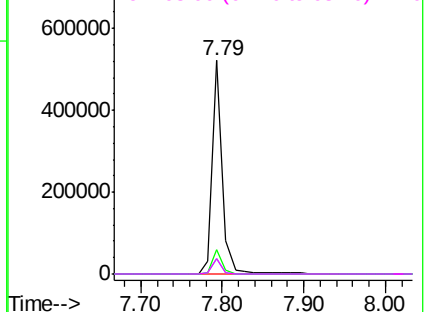


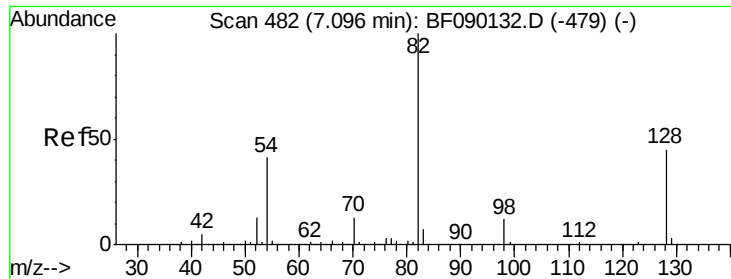
Abundance Ion 136.00 (135.70 to 136.70): E

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

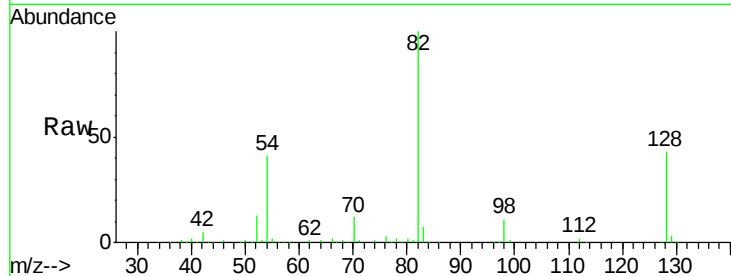




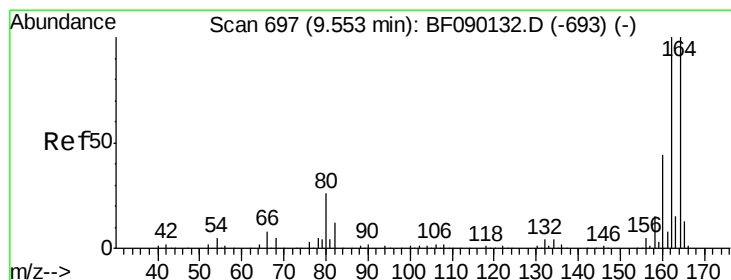
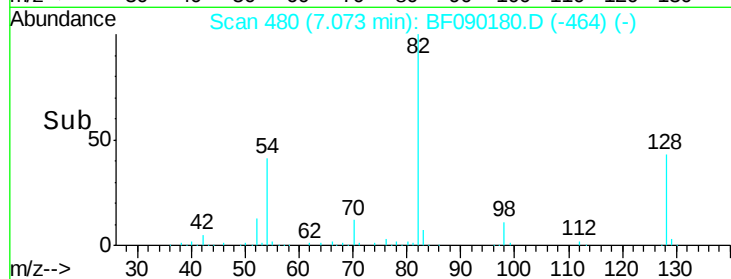
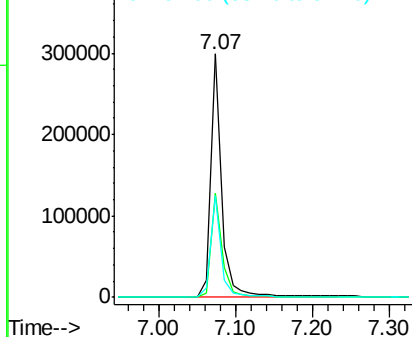
#23
 Nitrobenzene-d5
 Concen: 37.28 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Instrument :
 BNA_F
 ClientSampleId :
 BH-7-0.5-2FT

Tot Ion	82	Resp	297260
Ion Ratio	Lower	Upper	
82	100		
128	42.9	37.5	56.3
54	41.5	31.9	47.9

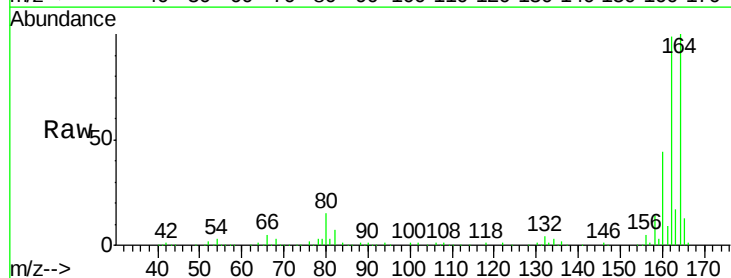


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

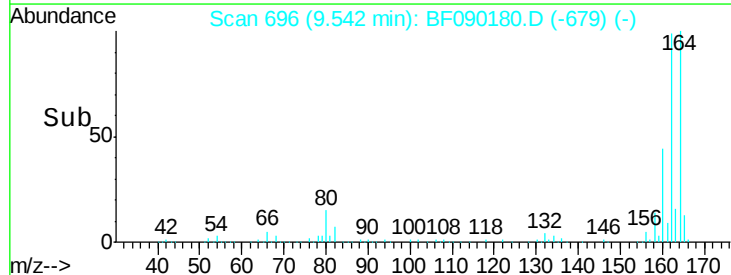
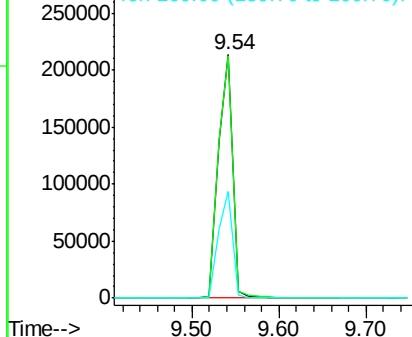


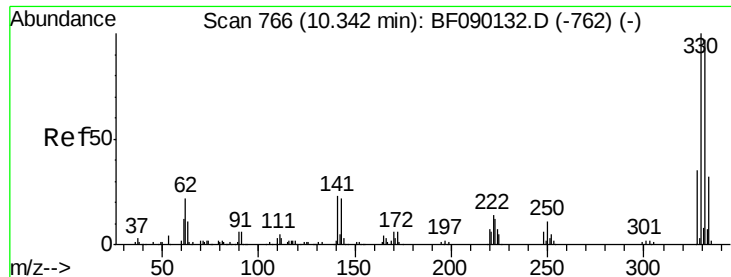
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Tgt Ion	164	Resp	251665
Ion Ratio	Lower	Upper	
164	100		
162	99.4	81.4	122.2
160	43.7	36.6	54.8



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

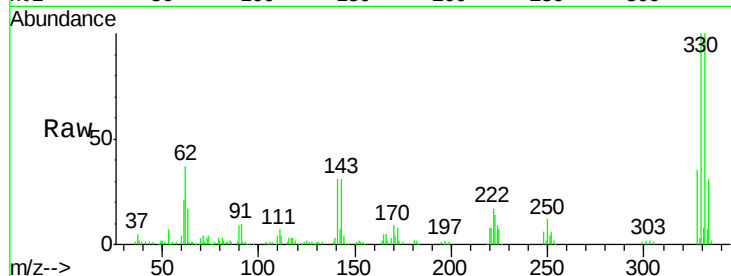




#41
 2,4,6-Tribromophenol
 Concen: 49.54 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Instrument :
 BNA_F
 ClientSampleId :
 BH-7-0.5-2FT

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.3	78.1	117.1
141	35.9	23.9	35.9

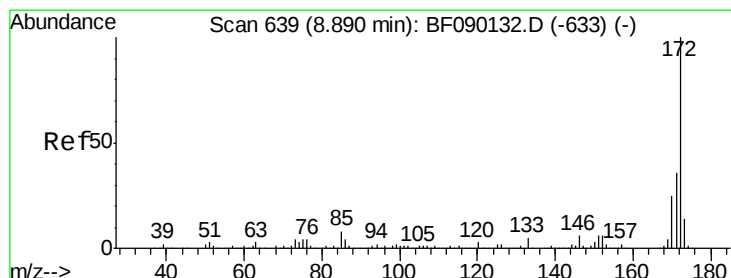
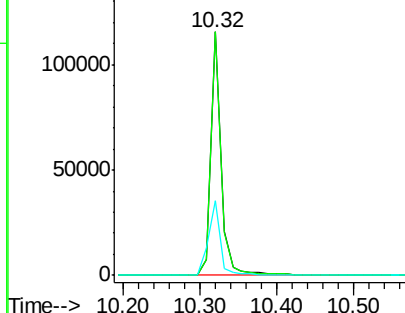
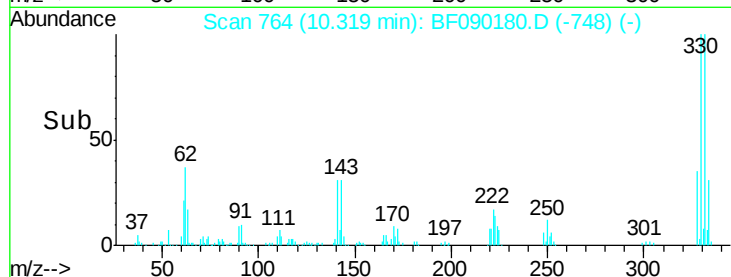


Abundance

Ion 329.80 (329.50 to 330.50): E

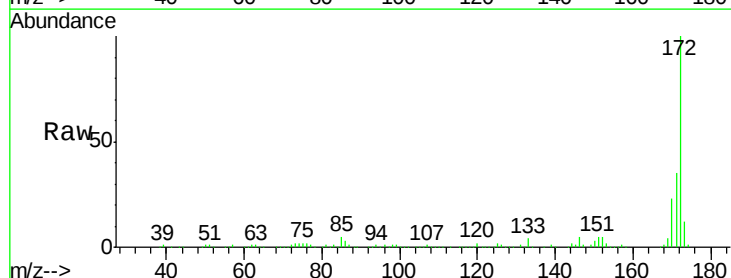
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 39.65 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.2	43.8
170	23.0	19.8	29.8

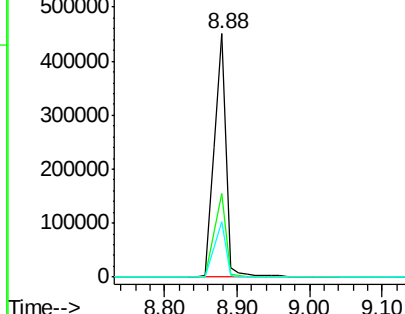
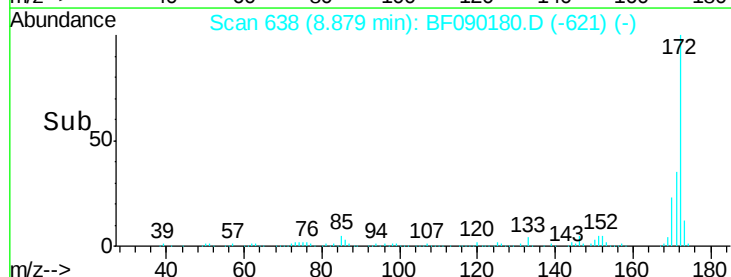


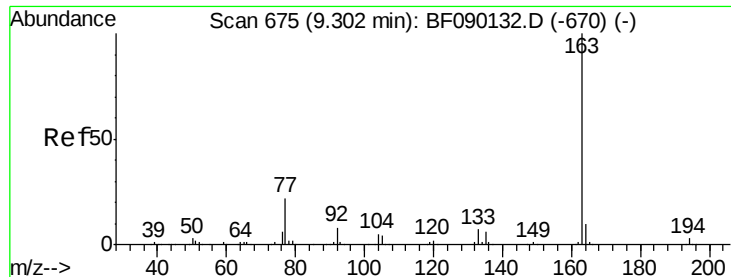
Abundance

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

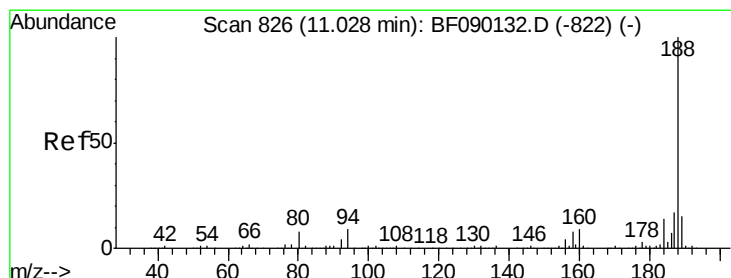
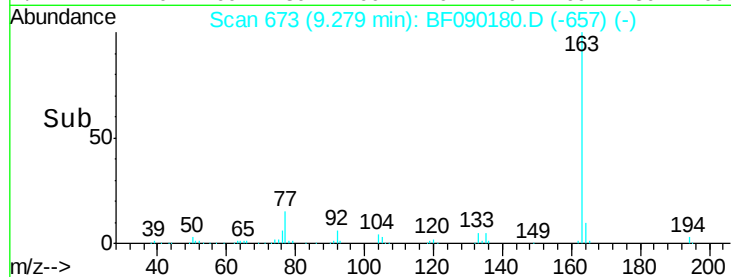
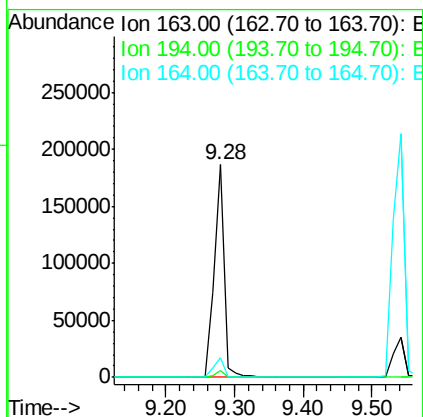
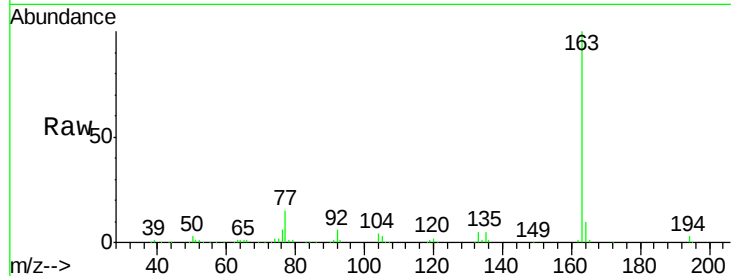




#49
Dimethylphthalate
Concen: 11.98 ng
RT: 9.28 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

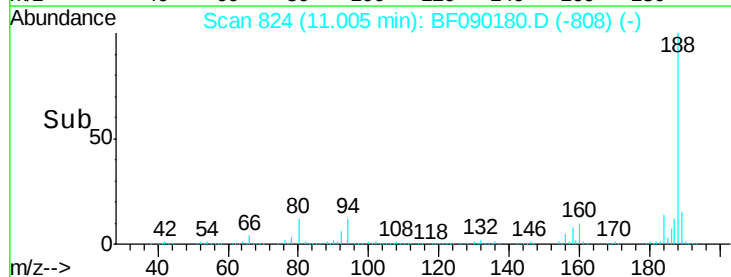
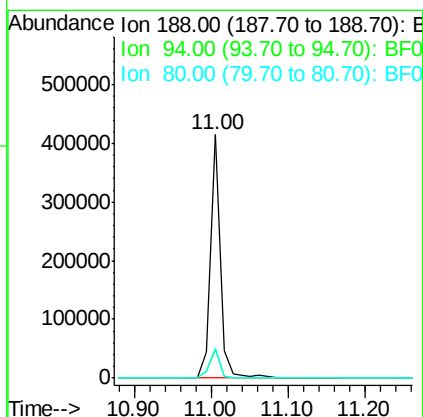
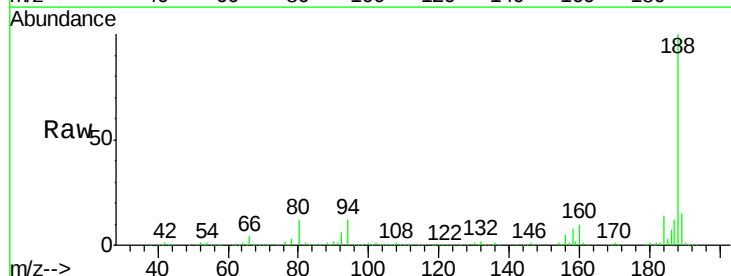
Instrument :
BNA_F
ClientSampleId :
BH-7-0.5-2FT

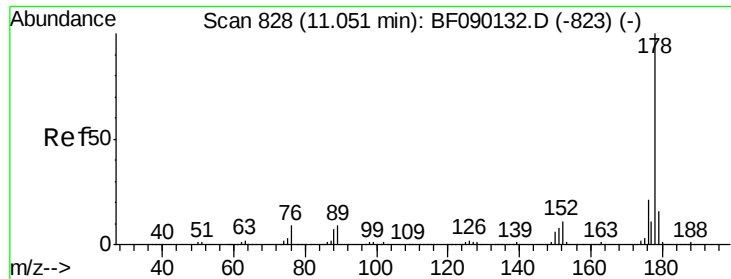
Tot Ion:163 Resp: 192015
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 9.5 8.1 12.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

Tgt Ion:188 Resp: 366402
Ion Ratio Lower Upper
188 100
94 11.7 10.5 15.7
80 12.4 11.2 16.8

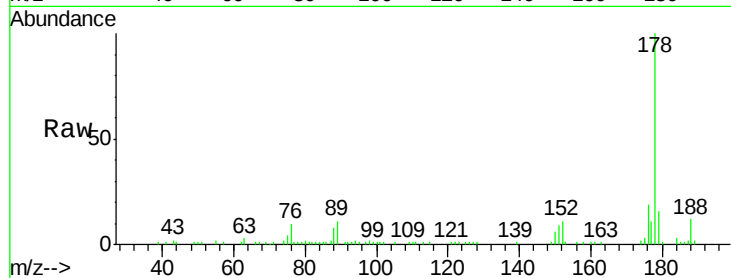




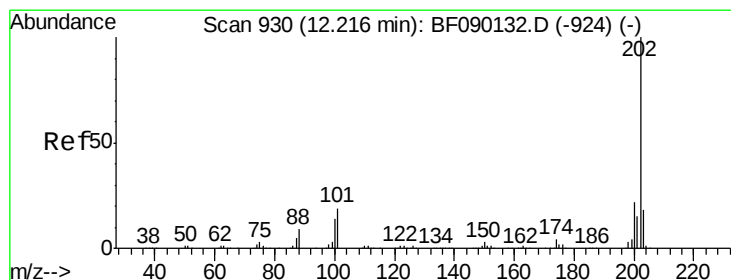
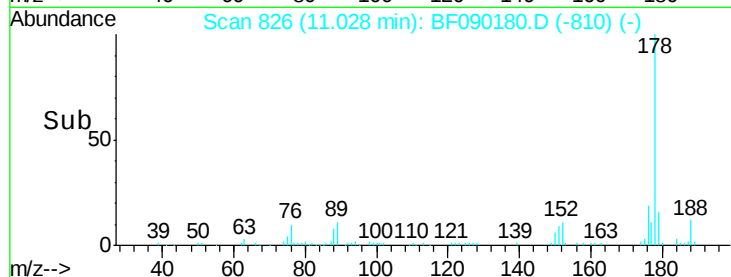
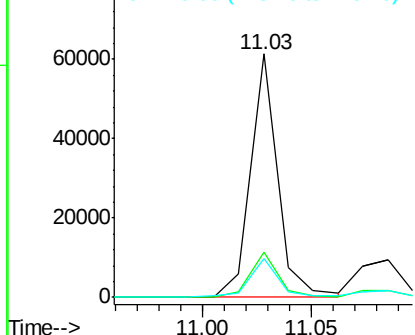
#70
Phenanthrene
Concen: 3.11 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

Instrument :
BNA_F
ClientSampleId :
BH-7-0.5-2FT

Tot Ion:178 Resp: 53298
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.0 12.9 19.3

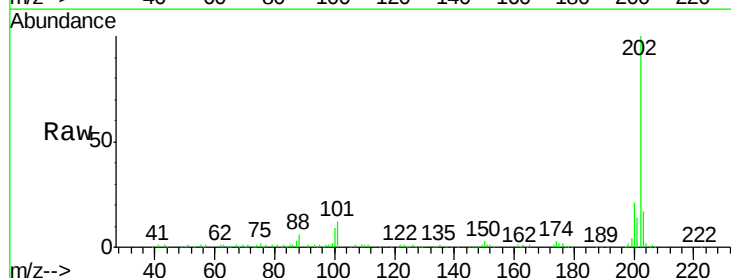


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

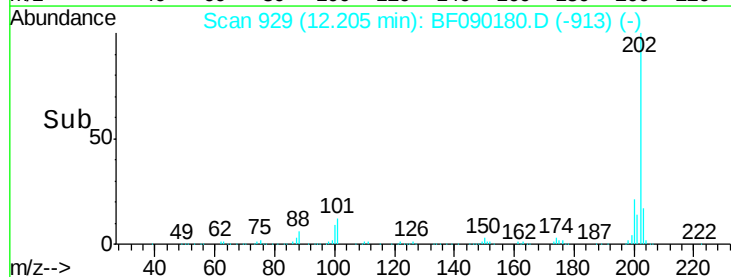
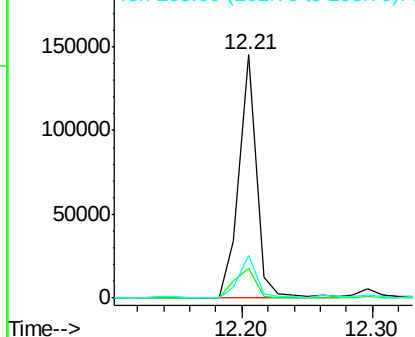


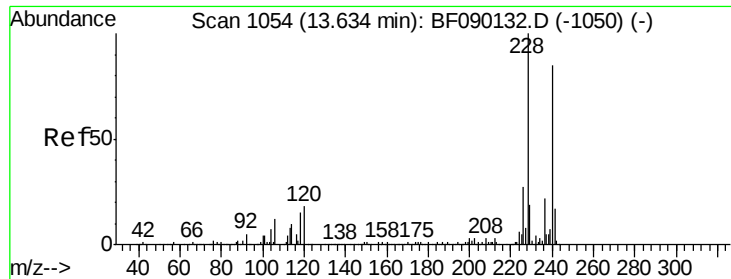
#74
Fluoranthene
Concen: 7.38 ng
RT: 12.21 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

Tgt Ion:202 Resp: 135835
Ion Ratio Lower Upper
202 100
101 12.0 0.0 36.1
203 17.3 0.0 38.2



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: 13.62 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

Instrument :

BNA_F

ClientSampleId :

BH-7-0.5-2FT

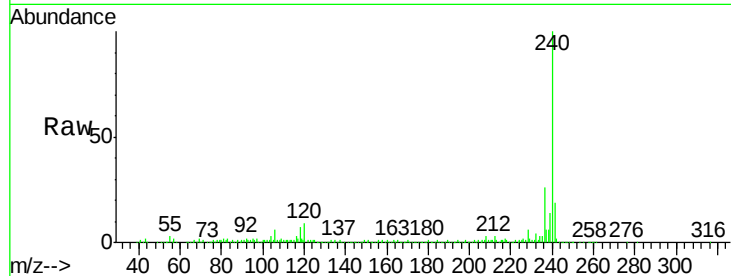
Tot Ion:240 Resp: 326881

Ion Ratio Lower Upper

240 100

120 8.8 10.6 16.0#

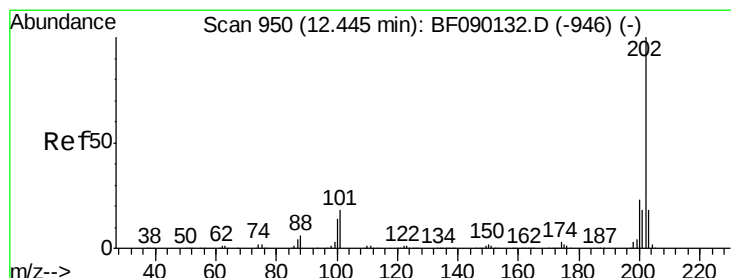
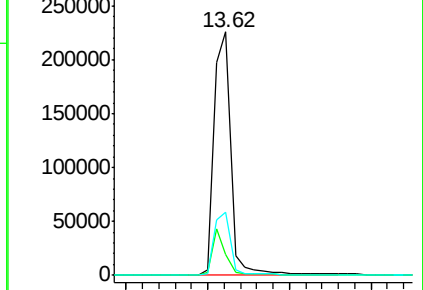
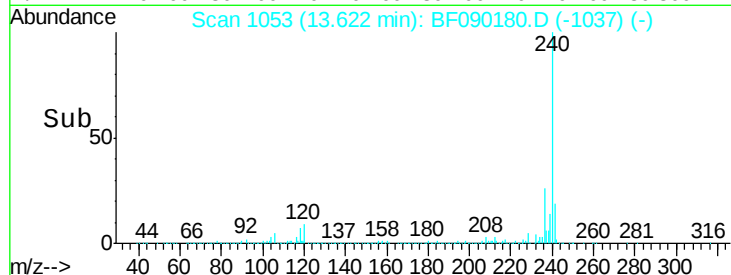
236 25.7 21.6 32.4



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: 5.88 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

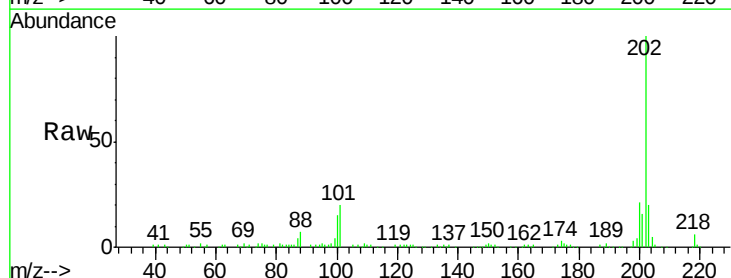
Tgt Ion:202 Resp: 131504

Ion Ratio Lower Upper

202 100

200 20.7 17.9 26.9

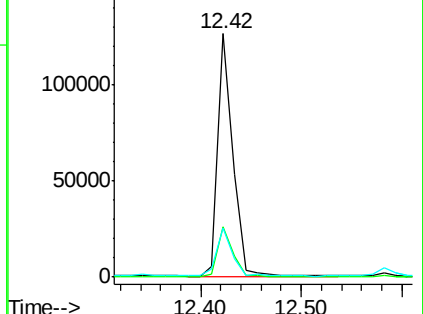
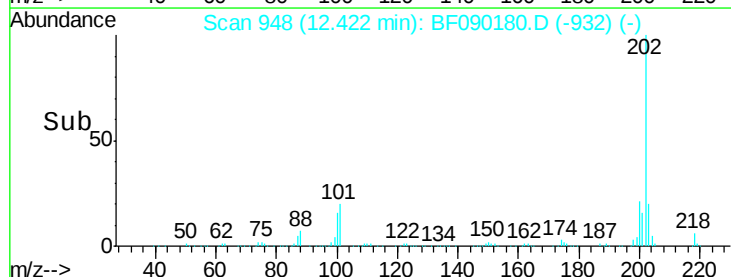
203 20.4 14.2 21.4

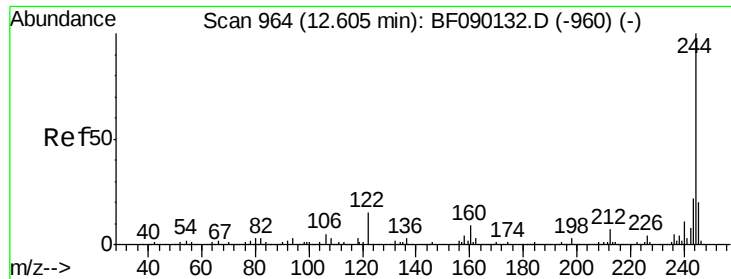


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

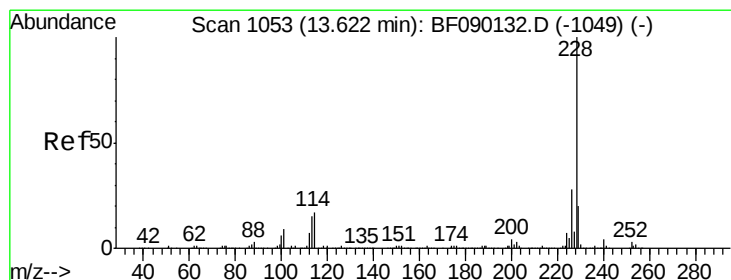
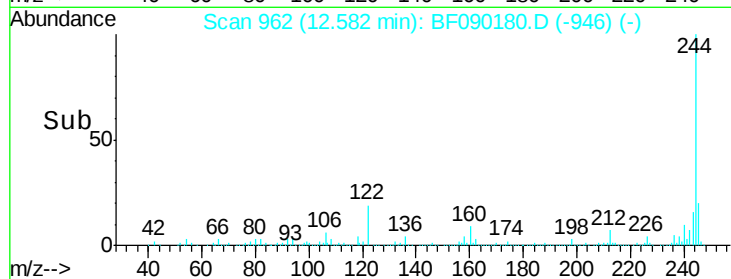
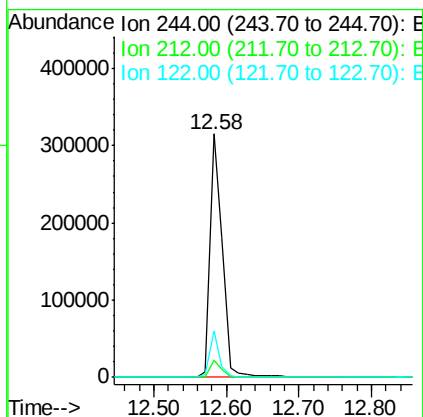
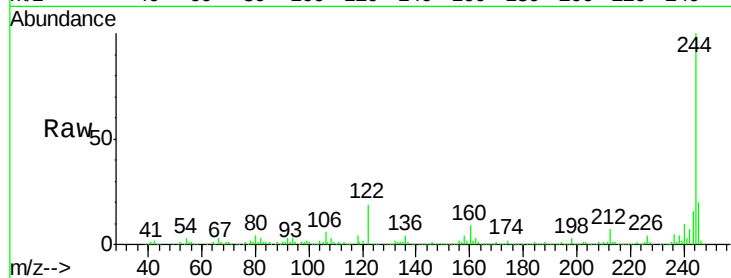




#78
 Terphenyl-d14
 Concen: 28.83 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

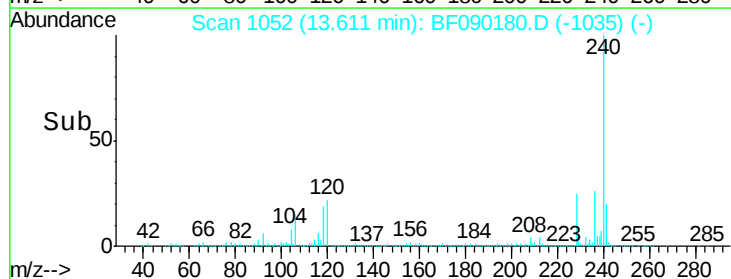
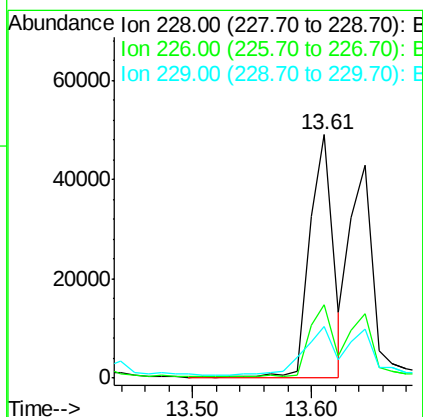
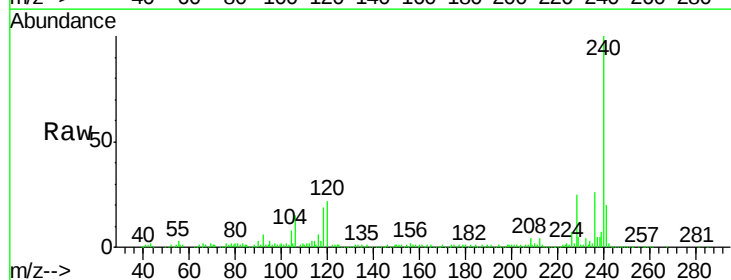
Instrument :
 BNA_F
 ClientSampleId :
 BH-7-0.5-2FT

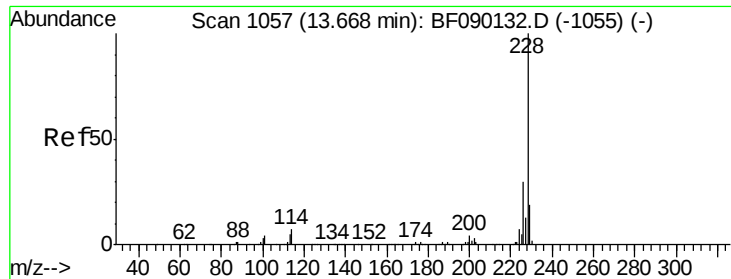
Tot Ion:244 Resp: 371194
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 19.2 9.4 14.0#



#80
 Benzo(a)anthracene
 Concen: 3.87 ng
 RT: 13.61 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Tgt Ion:228 Resp: 68024
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.0 33.0
 229 21.3 16.2 24.2





#82

Chrysene

Concen: 3.52 ng/mL

RT: 13.65 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

Instrument:

BNA_F

ClientSampleID:

BH-7-0.5-2FT

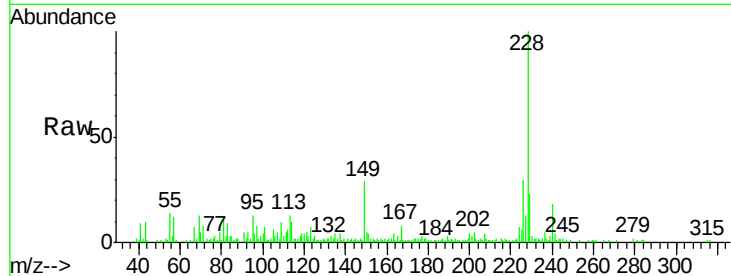
Tot Ion: 228 Resp: 60373

Ion Ratio Lower Upper

228 100

226 30.1 24.6 37.0

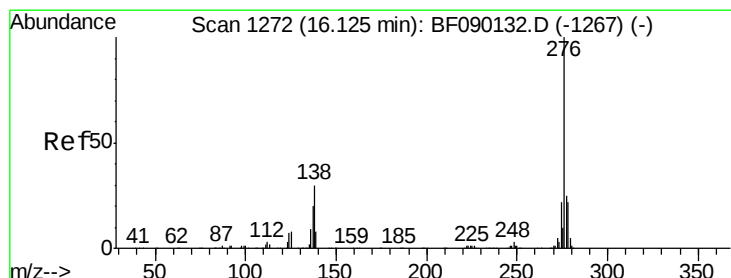
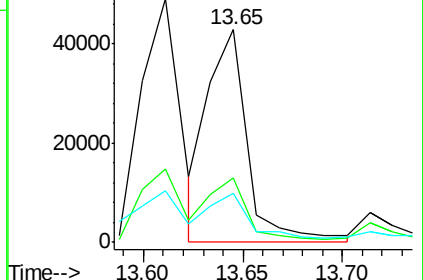
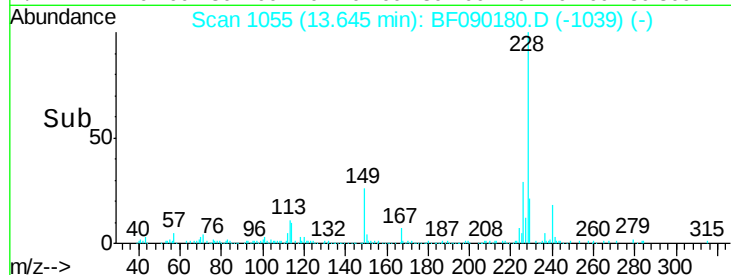
229 23.3 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.01 ng/mL

RT: 16.10 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

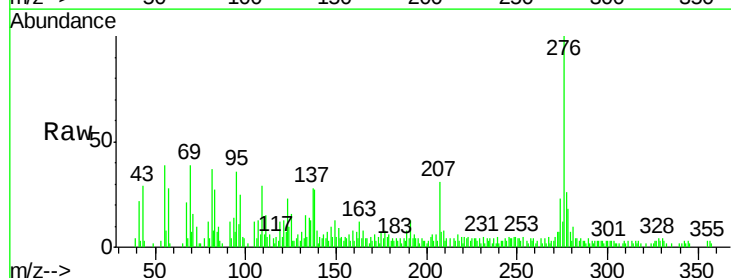
Tgt Ion: 276 Resp: 27815

Ion Ratio Lower Upper

276 100

138 30.6 25.9 38.9

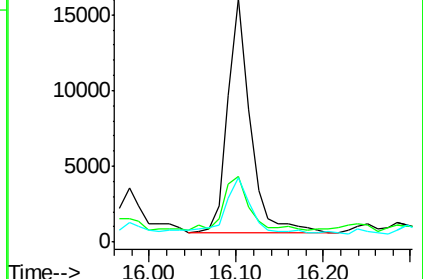
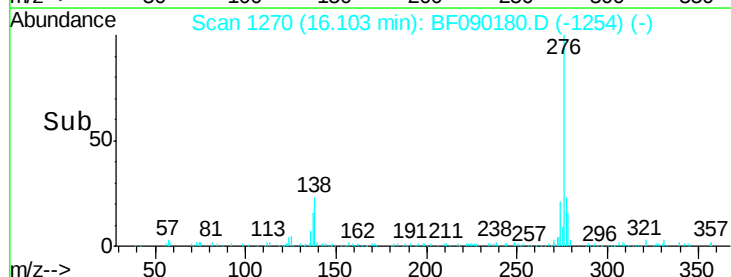
277 27.8 19.9 29.9

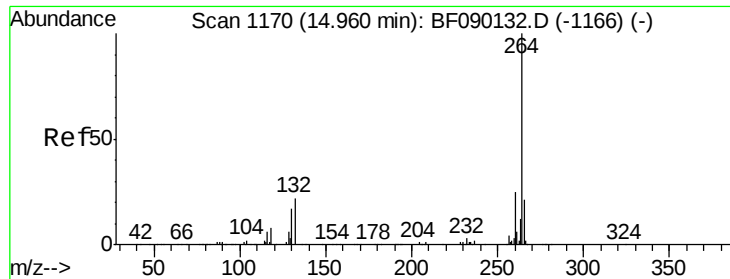


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

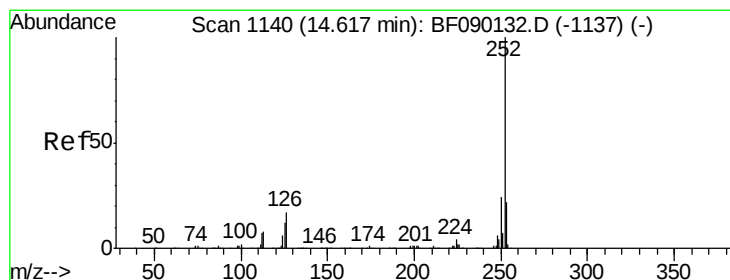
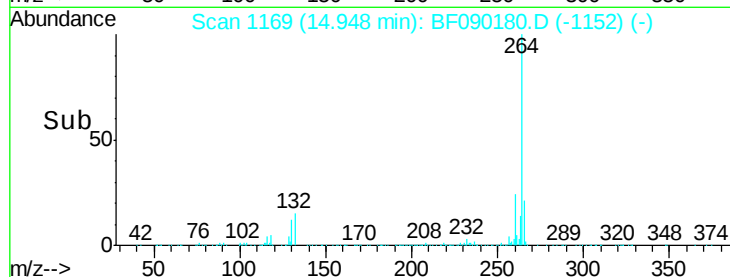
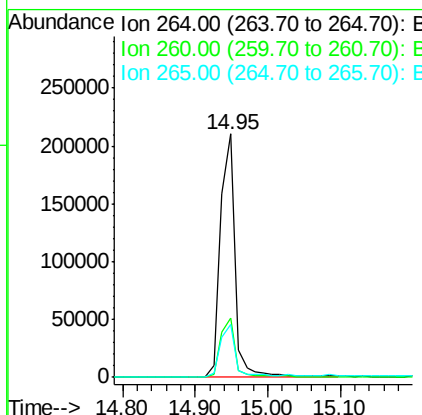
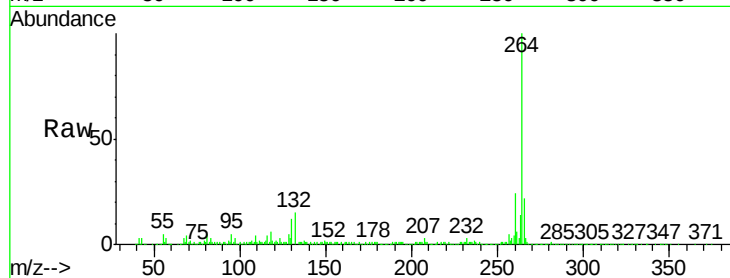




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

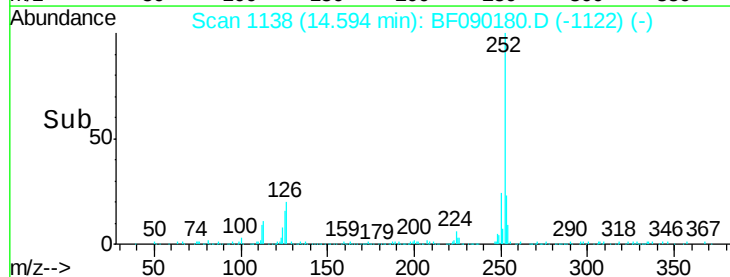
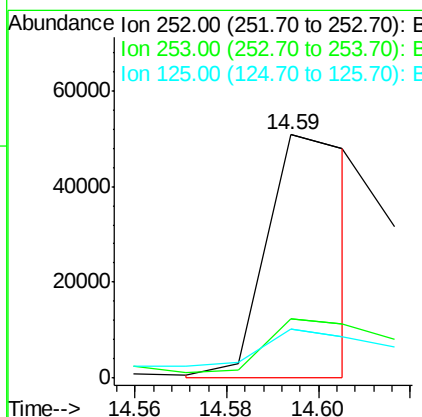
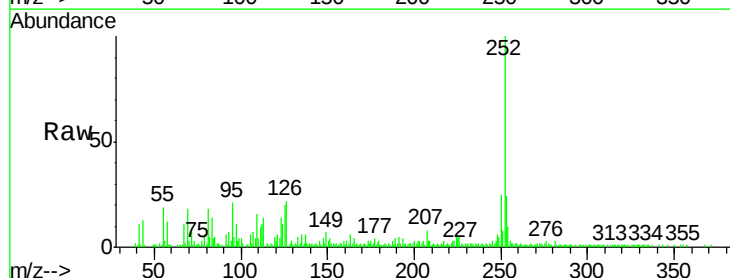
Instrument :
BNA_F
ClientSampleId :
BH-7-0.5-2FT

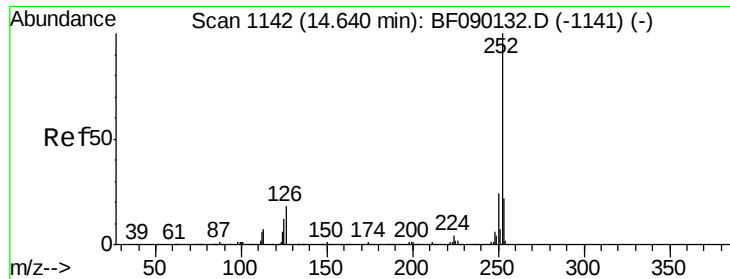
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.8	17.0	25.4



#87
Benzo(b)fluoranthene
Concen: 4.32 ng m
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	20.3	12.7	19.1





#88

Benzo(k)fluoranthene

Concen: 2.54 ng

RT: 14.61 min Scan# 1139

Delta R.T. -0.03 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

Instrument :

BNA_F

ClientSampleId :

BH-7-0.5-2FT

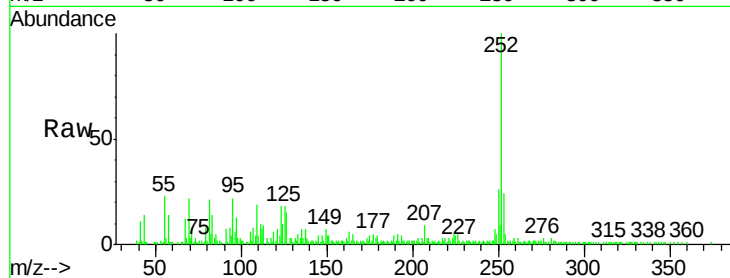
Tot Ion:252 Resp: 38620

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

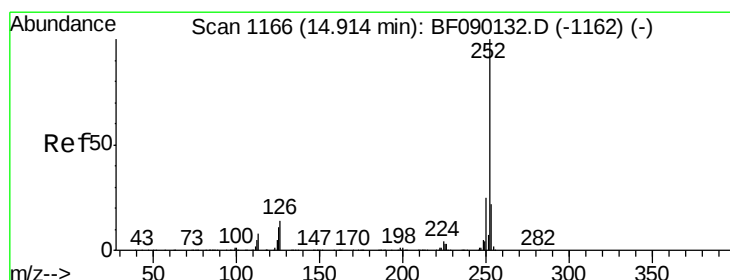
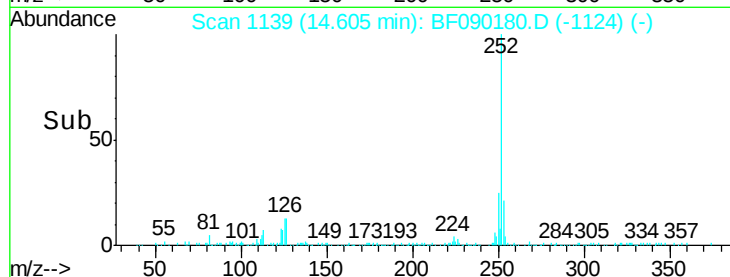
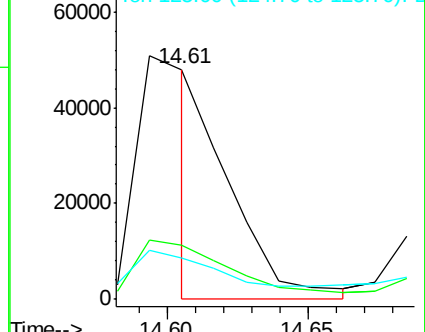
125 18.1 7.8 11.6#



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



#89

Benzo(a)pyrene

Concen: 3.45 ng

RT: 14.89 min Scan# 1164

Delta R.T. -0.02 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

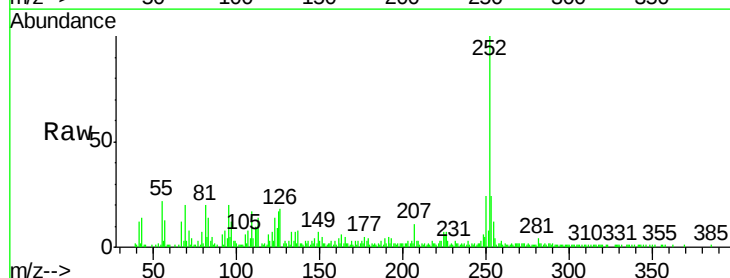
Tgt Ion:252 Resp: 52468

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

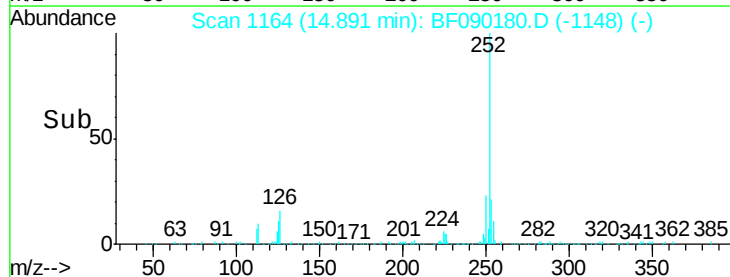
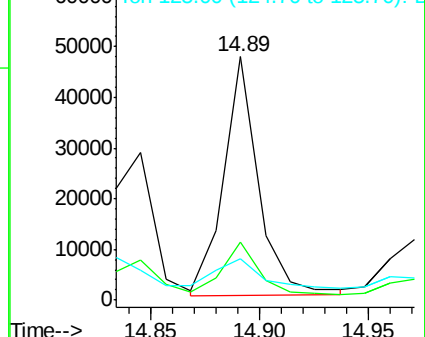
125 17.2 7.7 11.5#

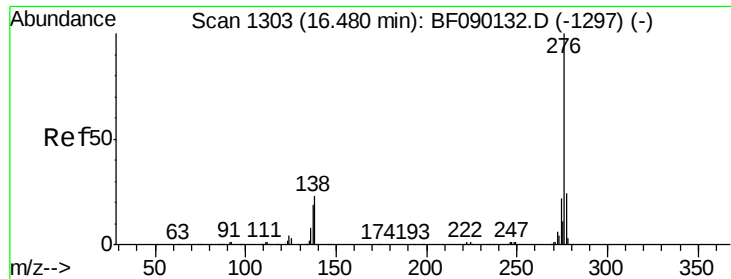


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.31 ng
 RT: 16.45 min Scan# 1300
 Delta R.T. -0.03 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Instrument :
 BNA_F
 ClientSampleId :
 BH-7-0.5-2FT

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.0	18.9	28.3
138	31.3	23.3	34.9

