

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092116\
 Data File : BF090174.D
 Acq On : 21 Sep 2016 22:12
 Operator : UM/SJ
 Sample : H4856-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BH-10-3-4FT

Quant Time: Sep 22 03:50:12 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

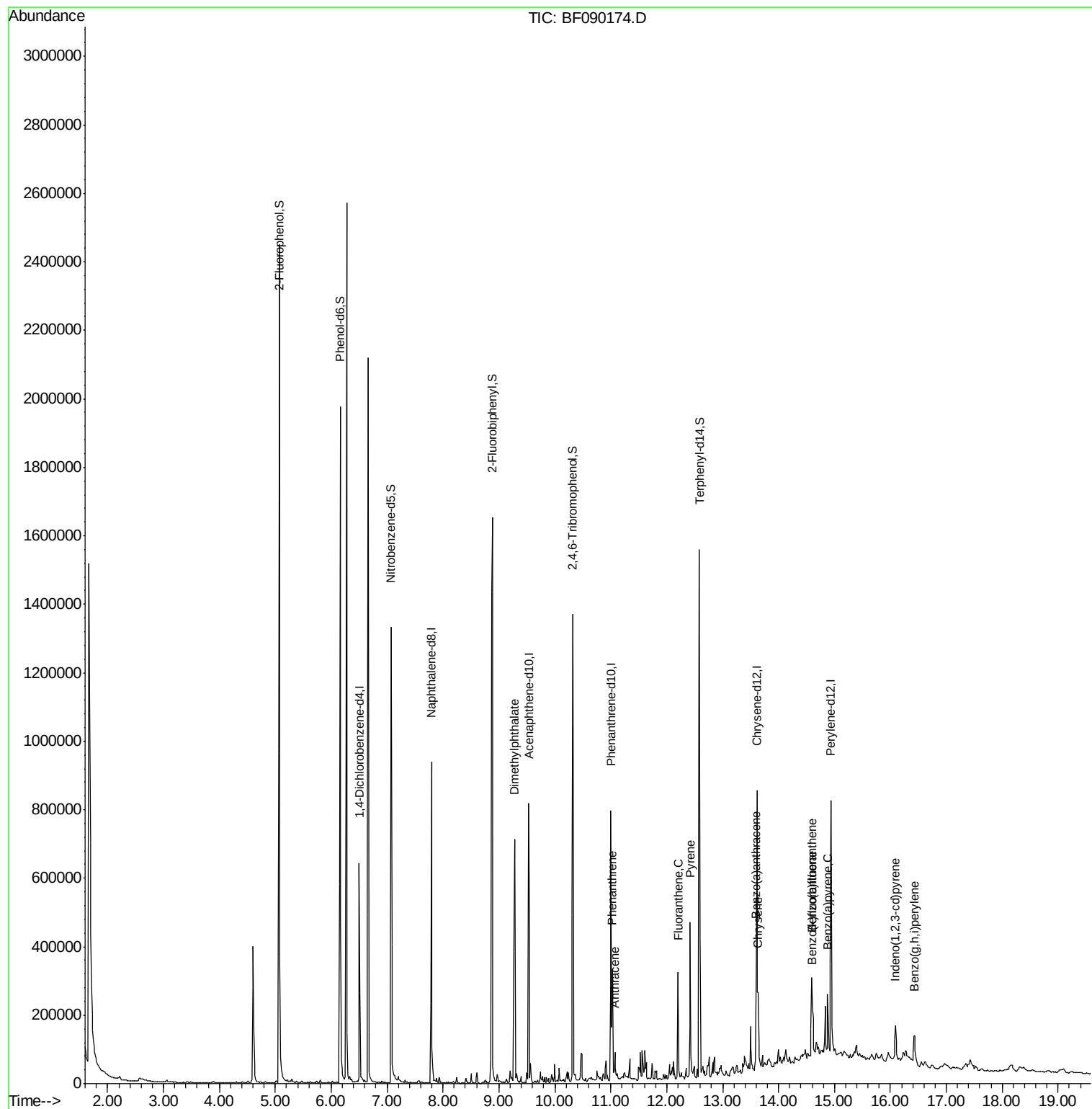
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	119653	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	463179	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	218897	20.00	ng	-0.02
63) Phenanthrene-d10	11.00	188	322344	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	260034	20.00	ng	-0.02
86) Perylene-d12	14.94	264	298881	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	877574	119.55	ng	0.00
7) Phenol-d6	6.16	99	925110	102.05	ng	-0.01
23) Nitrobenzene-d5	7.07	82	556297	69.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.32	330	188050	100.14	ng	-0.02
44) 2-Fluorobiphenyl	8.88	172	824481	73.94	ng	-0.01
78) Terphenyl-d14	12.58	244	493830	48.22	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.28	163	394686	28.31	ng	99
70) Phenanthrene	11.03	178	133805	8.88	ng	97
71) Anthracene	11.07	178	38843	2.46	ng	95
74) Fluoranthene	12.21	202	183499	11.34	ng	91
77) Pyrene	12.42	202	171586	9.64	ng	98
80) Benzo(a)anthracene	13.60	228	90850	6.49	ng	95
82) Chrysene	13.63	228	69413m	5.09	ng	
85) Indeno(1,2,3-cd)pyrene	16.09	276	60324	5.47	ng	95
87) Benzo(b)fluoranthene	14.59	252	104902m	6.34	ng	
88) Benzo(k)fluoranthene	14.61	252	41042m	2.64	ng	
89) Benzo(a)pyrene	14.88	252	81338	5.22	ng	# 89
91) Benzo(a,h,i)perylene	16.43	276	57951	4.87	ng	97

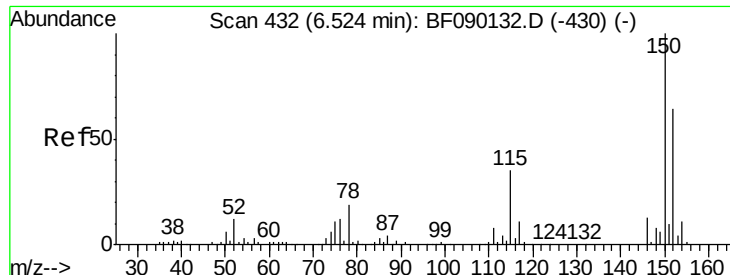
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.50 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

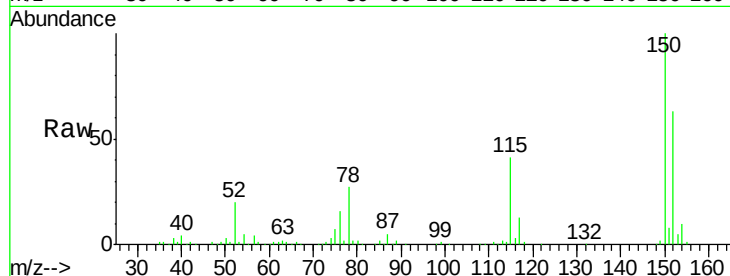
Tot Ion:152 Resp: 119653

Ion Ratio Lower Upper

152 100

150 157.9 128.9 193.3

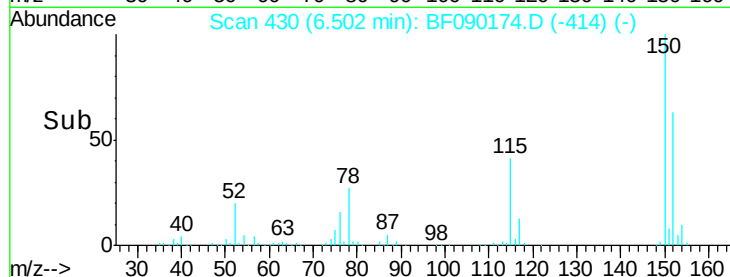
115 65.5 55.5 83.3



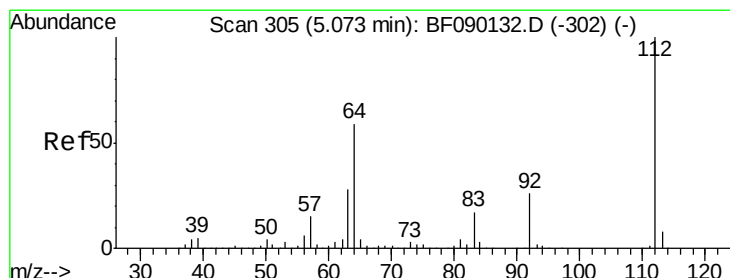
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#5

2-Fluorophenol

Concen: 119.55 ng

RT: 5.07 min Scan# 305

Delta R.T. 0.00 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

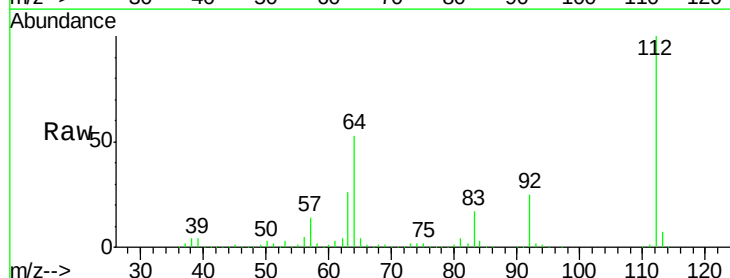
Tgt Ion:112 Resp: 877574

Ion Ratio Lower Upper

112 100

64 53.5 39.8 59.6

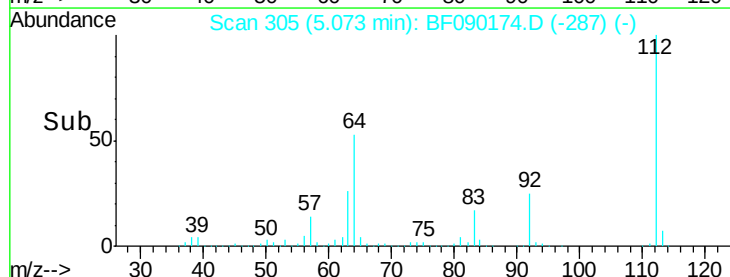
63 26.1 18.9 28.3



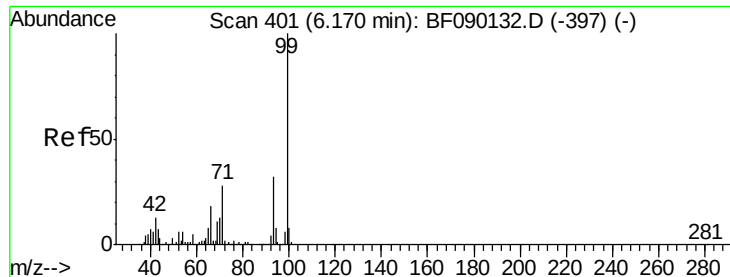
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->



#7

Phenol-d6

Concen: 102.05 ng

RT: 6.16 min Scan# 400

Delta R.T. -0.01 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

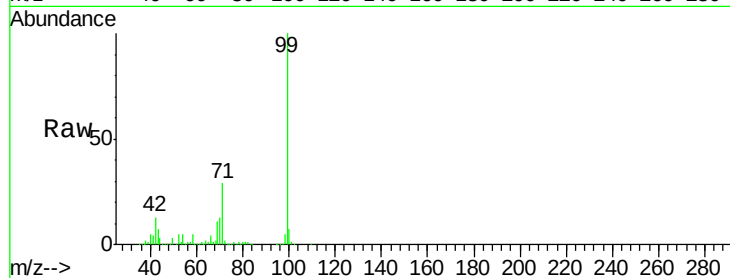
Tot Ion: 99 Resp: 925110

Ion Ratio Lower Upper

99 100

42 13.1 10.6 15.8

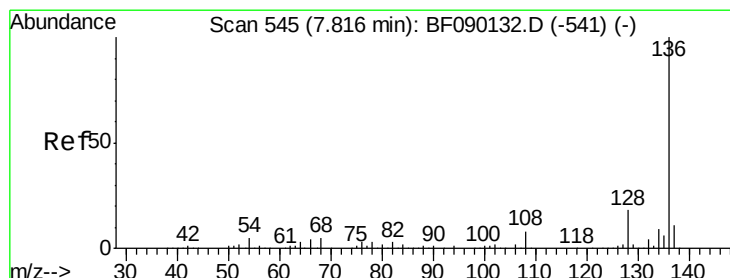
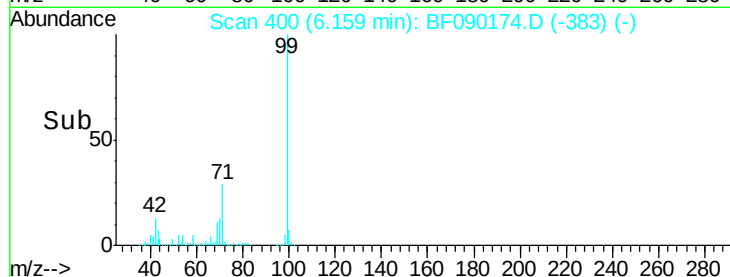
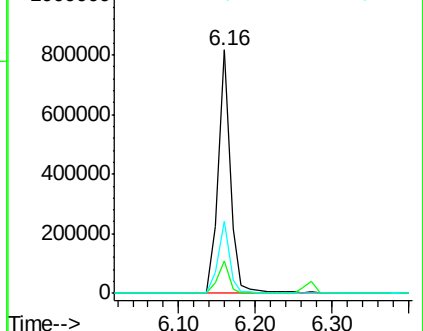
71 29.5 23.0 34.6



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: BF090174.D

Acq: 21 Sep 2016 22:12

Tgt Ion: 136 Resp: 463179

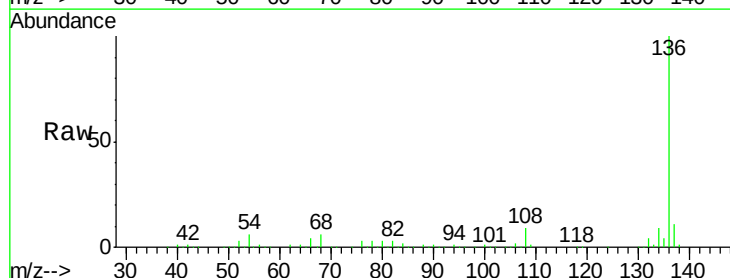
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.2 6.4 9.6#

68 6.2 6.3 9.5#

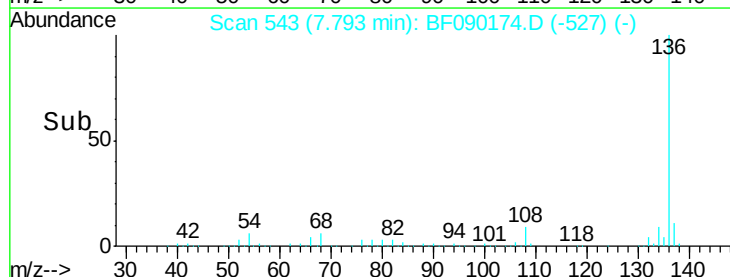
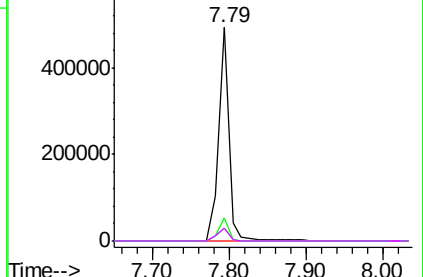


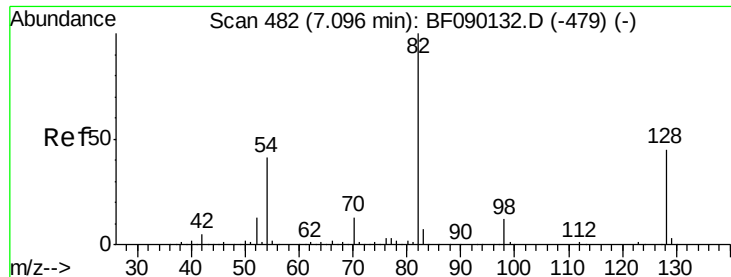
Abundance Ion 136.00 (135.70 to 136.70): E

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

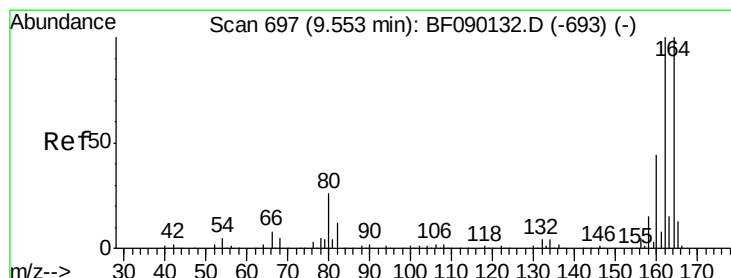
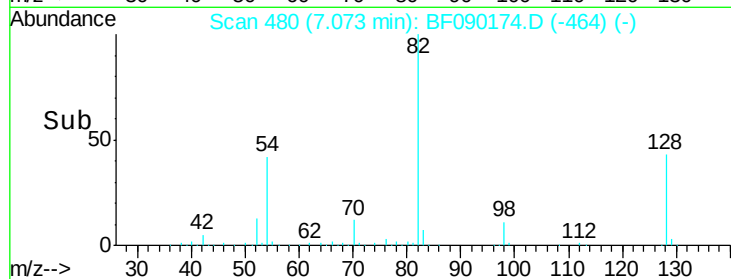
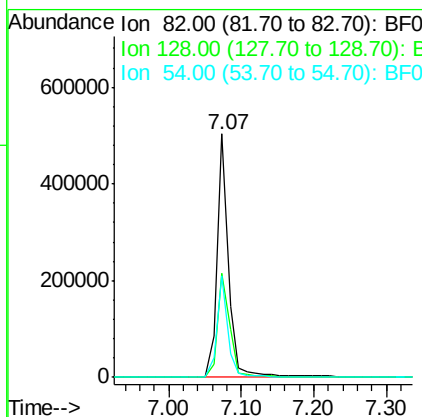
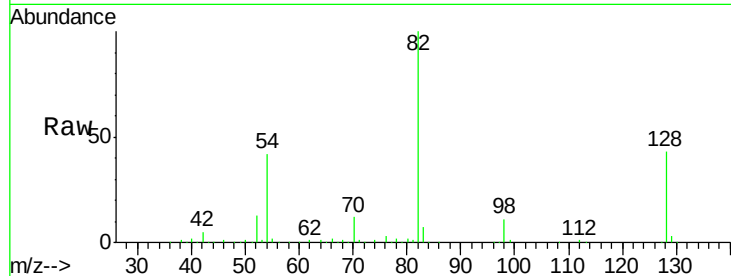




#23
 Nitrobenzene-d5
 Concen: 69.62 ng
 RT: 7.07 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: BF090174.D
 Acq: 21 Sep 2016 22:12

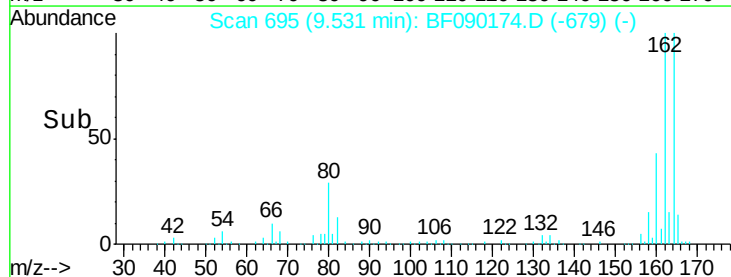
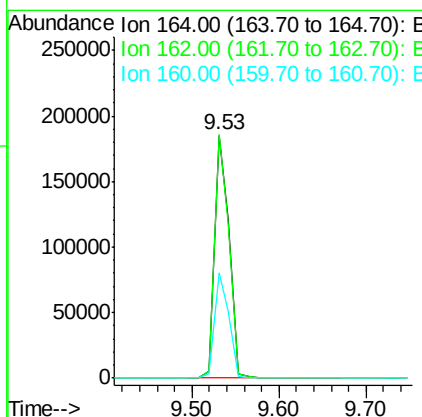
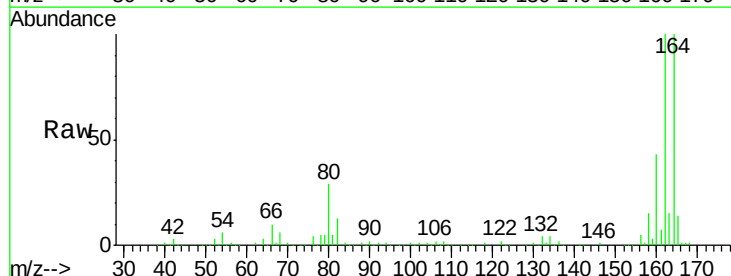
Instrument :
 BNA_F
 ClientSampleId :
 BH-10-3-4FT

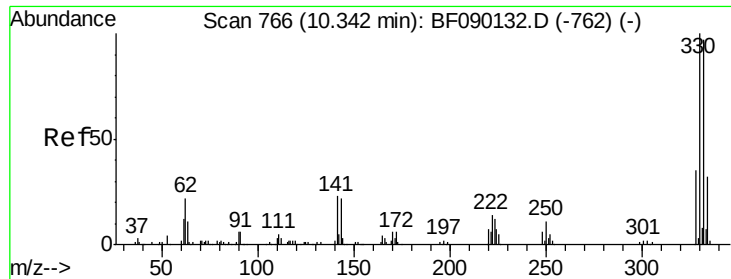
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	37.5	56.3
54	41.7	31.9	47.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.02 min
 Lab File: BF090174.D
 Acq: 21 Sep 2016 22:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.4	122.2
160	43.6	36.6	54.8

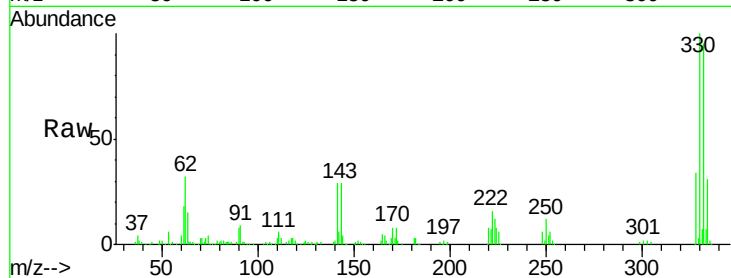




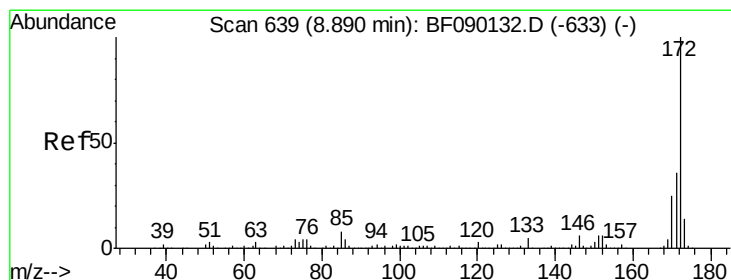
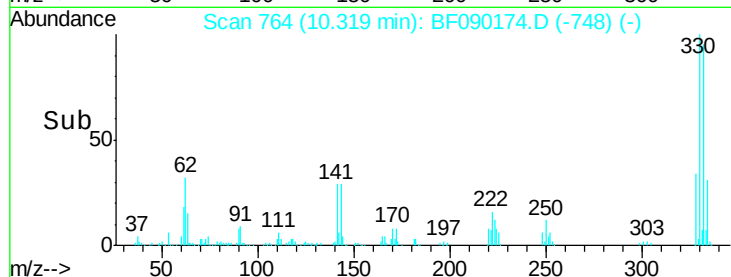
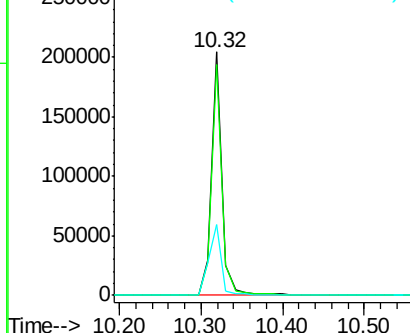
#41
 2,4,6-Tribromophenol
 Concen: 100.14 ng
 RT: 10.32 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BF090174.D
 Acq: 21 Sep 2016 22:12

Instrument :
 BNA_F
 ClientSampleId :
 BH-10-3-4FT

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.1	117.1
141	35.7	23.9	35.9

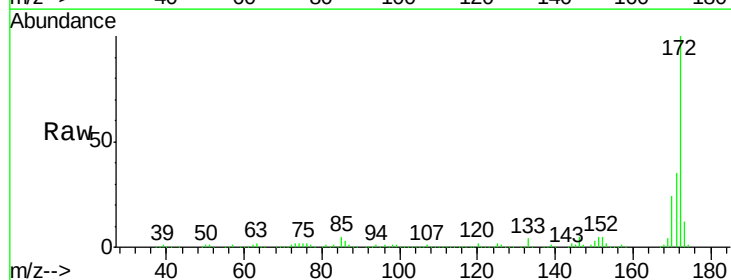


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

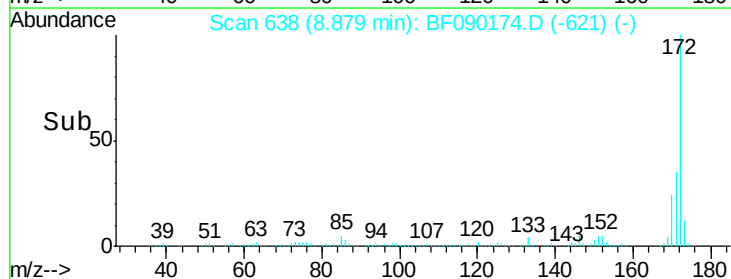
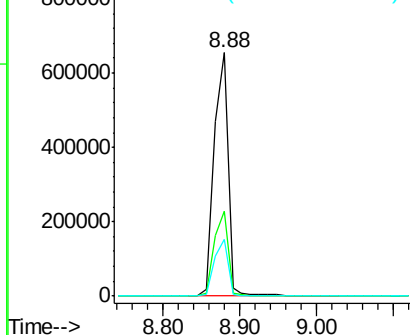


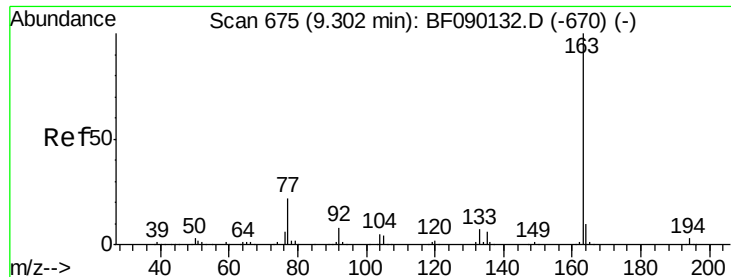
#44
 2-Fluorobiphenyl
 Concen: 73.94 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090174.D
 Acq: 21 Sep 2016 22:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.2	43.8
170	23.6	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: 28.31 ng

RT: 9.28 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

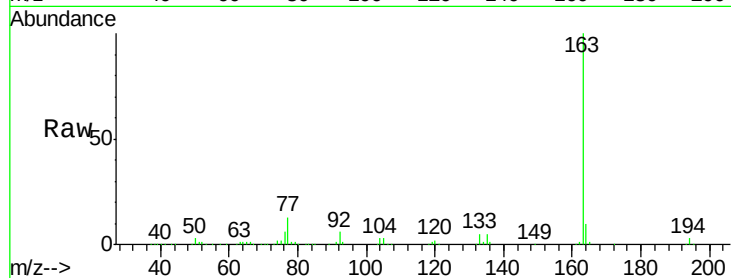
Tot Ion:163 Resp: 394686

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

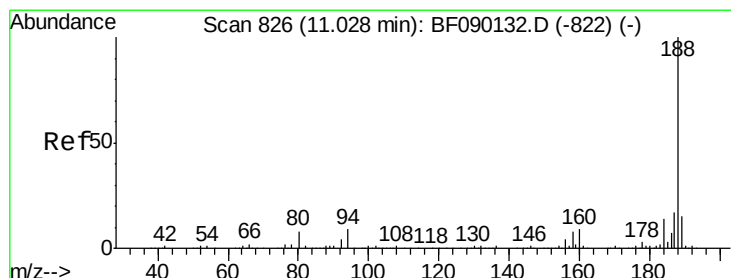
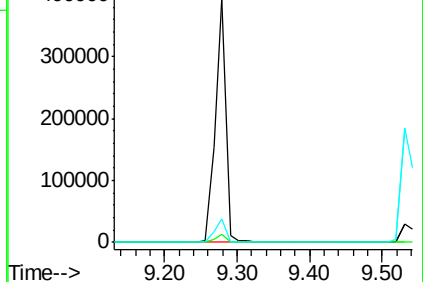
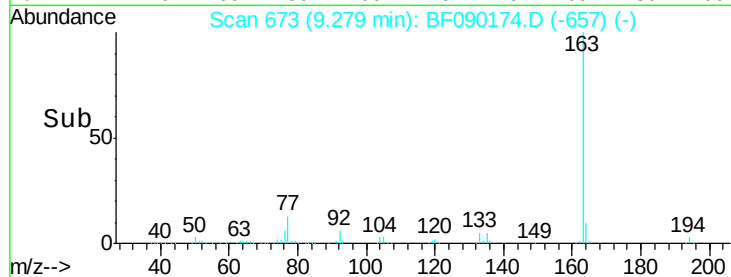
164 9.8 8.1 12.1



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: 11.00 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

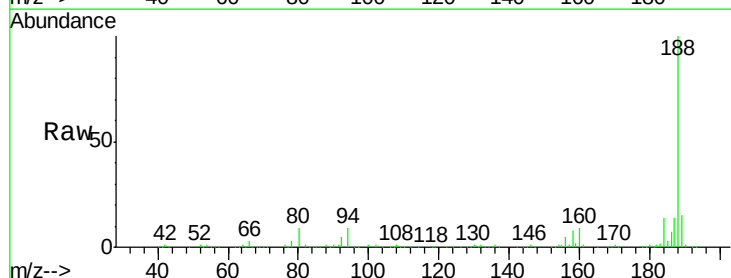
Tgt Ion:188 Resp: 322344

Ion Ratio Lower Upper

188 100

94 9.3 10.5 15.7#

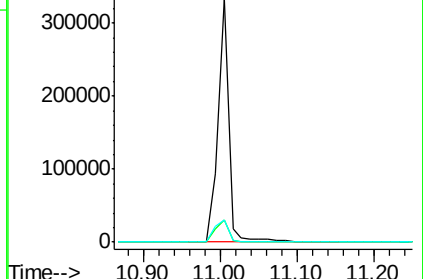
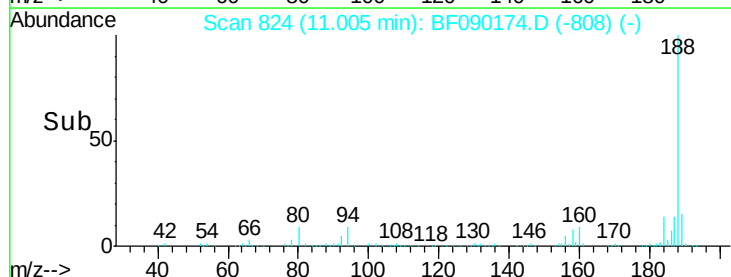
80 9.3 11.2 16.8#

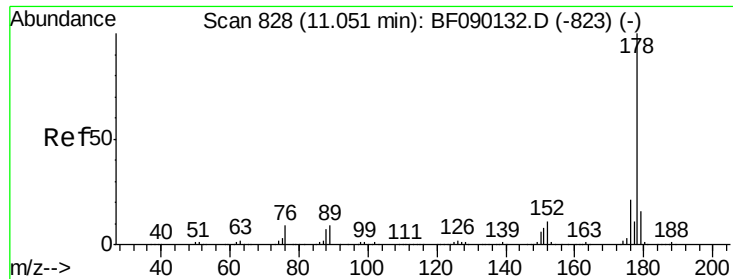


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

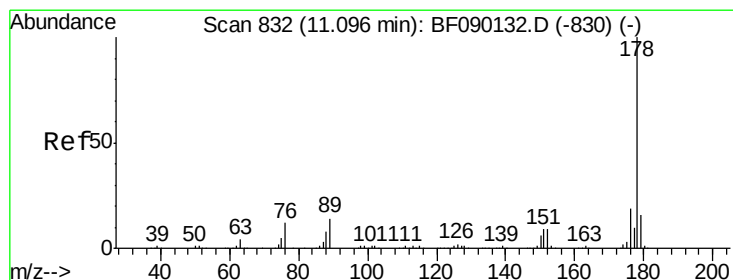
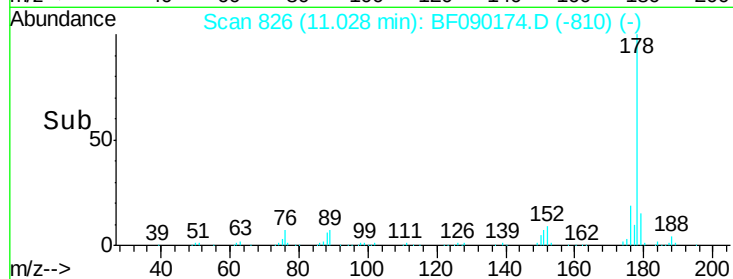
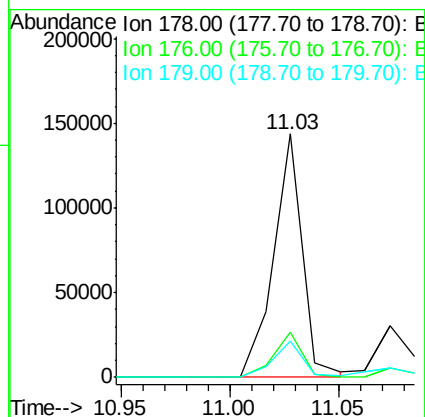
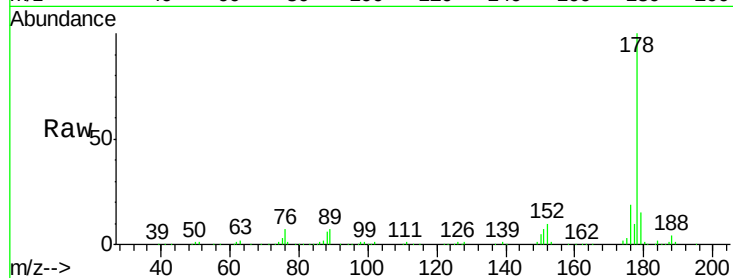




#70
Phenanthrene
Concen: 8.88 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

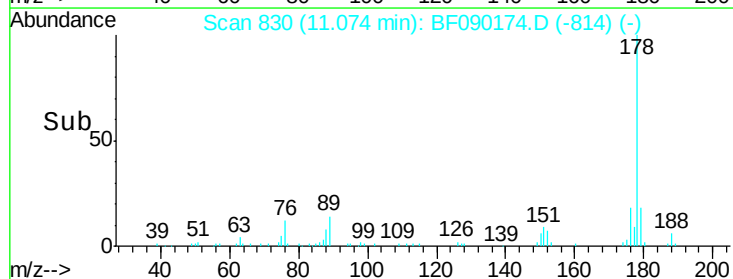
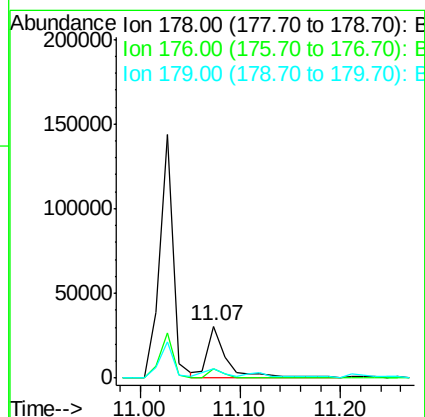
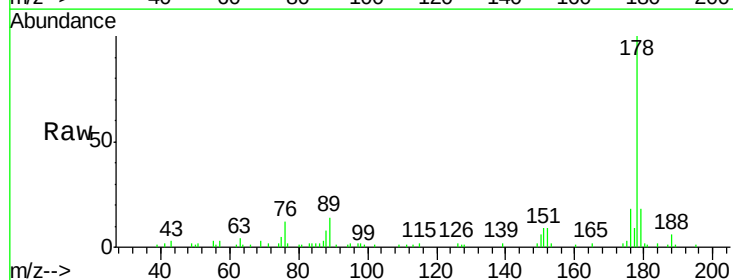
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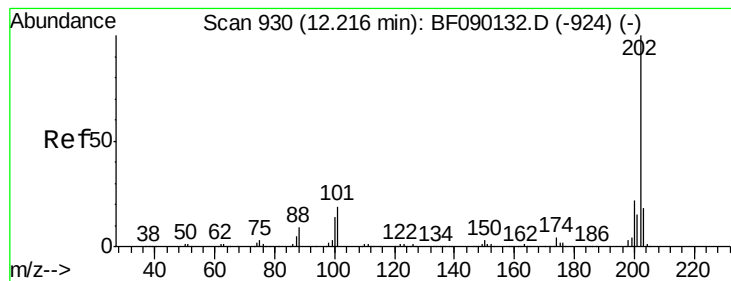
Tot Ion:178 Resp: 133805
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.7 12.9 19.3



#71
Anthracene
Concen: 2.46 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.02 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Tgt Ion:178 Resp: 38843
Ion Ratio Lower Upper
178 100
176 17.6 15.8 23.6
179 18.0 12.6 19.0





#74

Fluoranthene

Concen: 11.34 ng

RT: 12.21 min Scan# 929

Delta R.T. -0.01 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

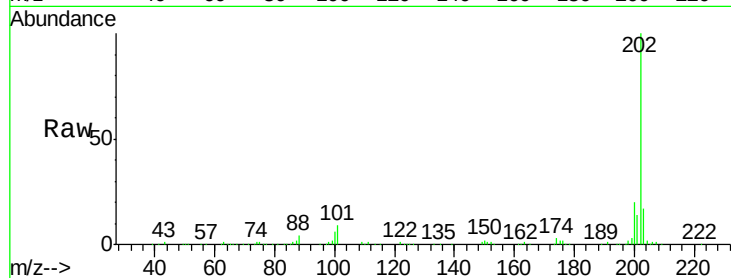
Tot Ion:202 Resp: 183499

Ion Ratio Lower Upper

202 100

101 9.3 0.0 36.1

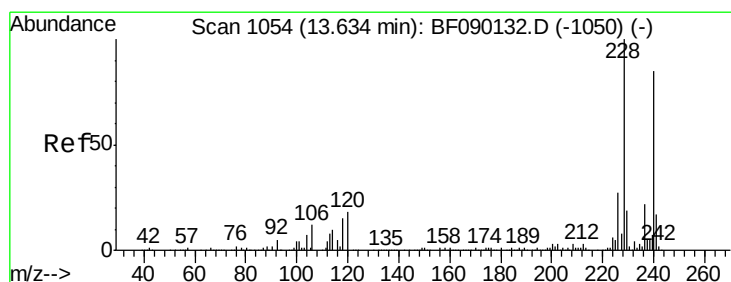
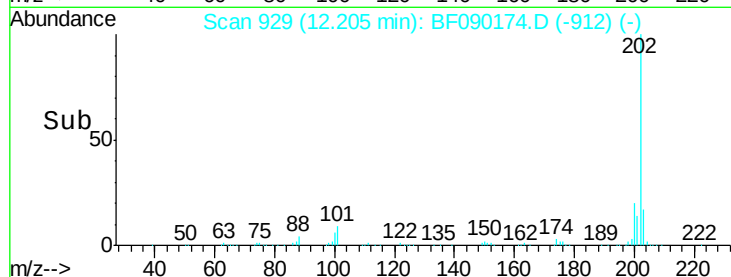
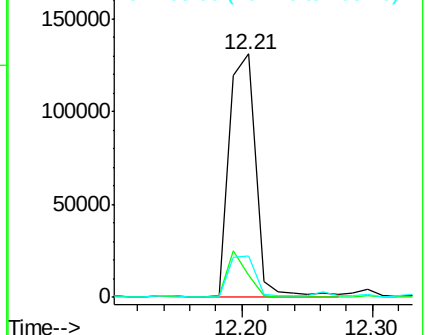
203 16.9 0.0 38.2



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: 13.61 min Scan# 1052

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

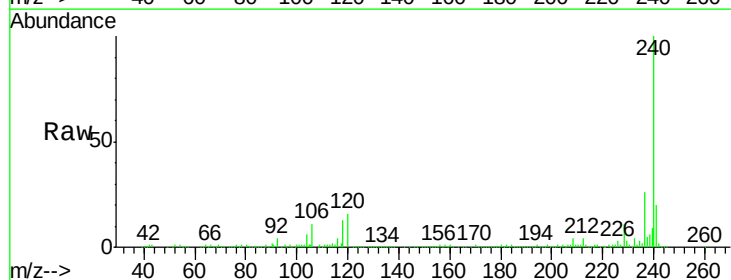
Tgt Ion:240 Resp: 260034

Ion Ratio Lower Upper

240 100

120 15.8 10.6 16.0

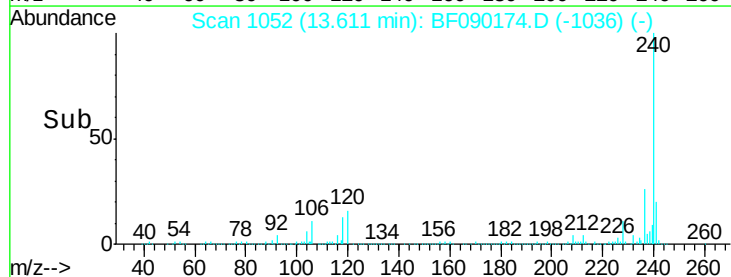
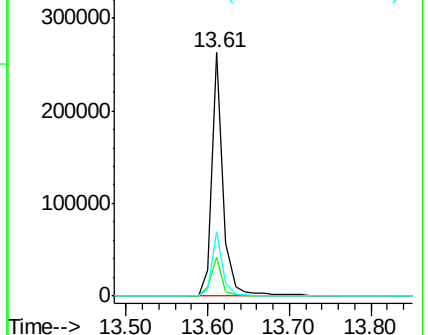
236 26.2 21.6 32.4

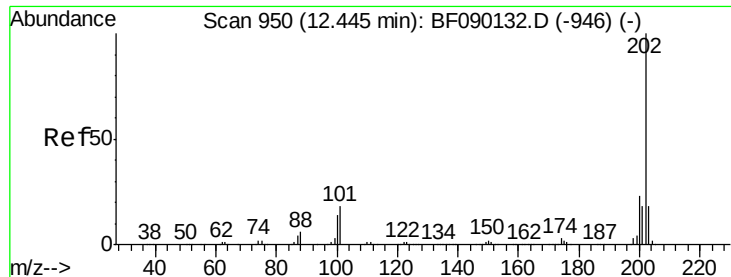


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.64 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

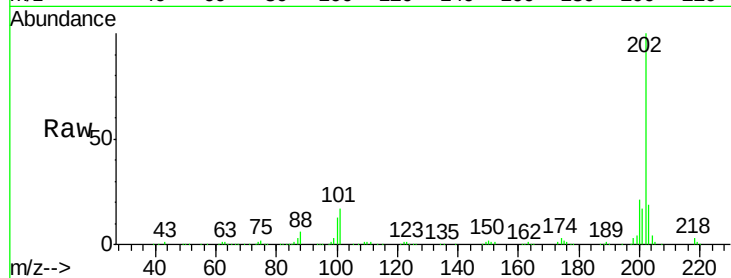
Tot Ion:202 Resp: 171586

Ion Ratio Lower Upper

202 100

200 21.3 17.9 26.9

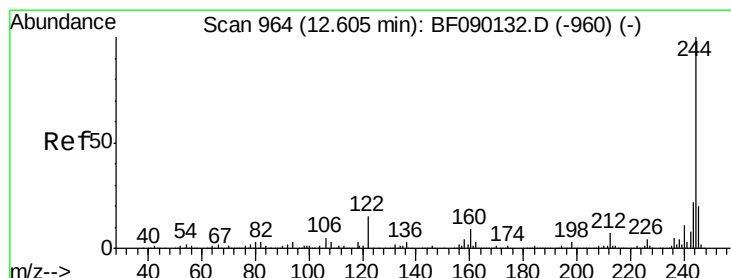
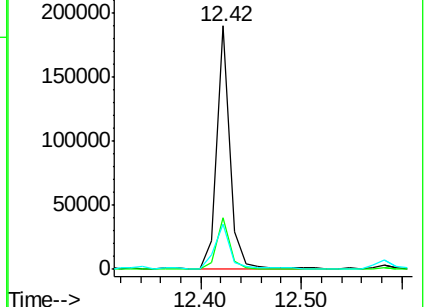
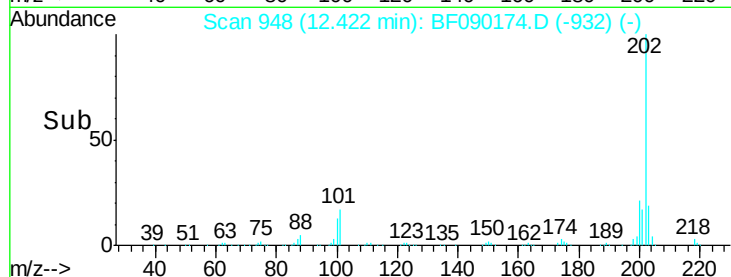
203 18.8 14.2 21.4



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: 48.22 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

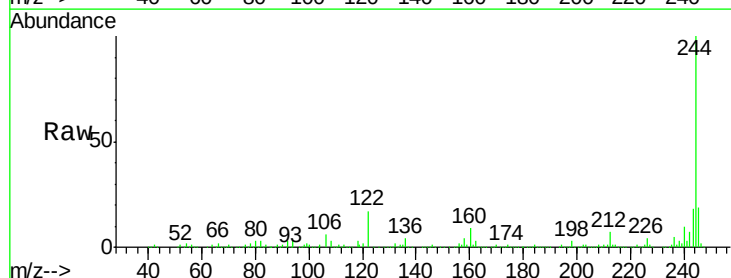
Tgt Ion:244 Resp: 493830

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

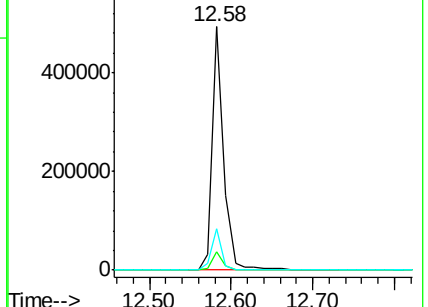
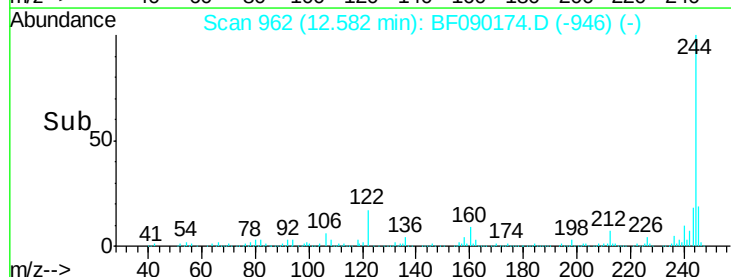
122 17.0 9.4 14.0#

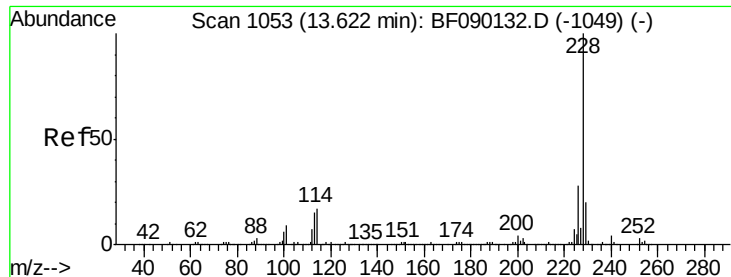


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.49 ng

RT: 13.60 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

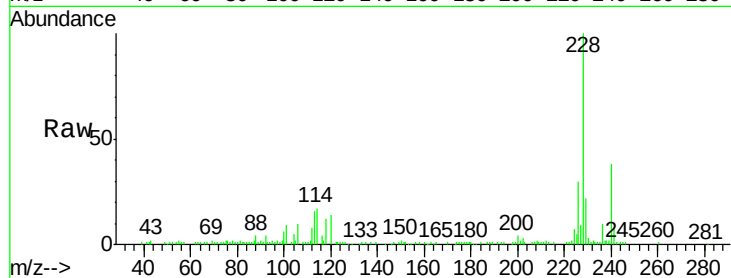
Tot Ion:228 Resp: 90850

Ion Ratio Lower Upper

228 100

226 30.4 22.0 33.0

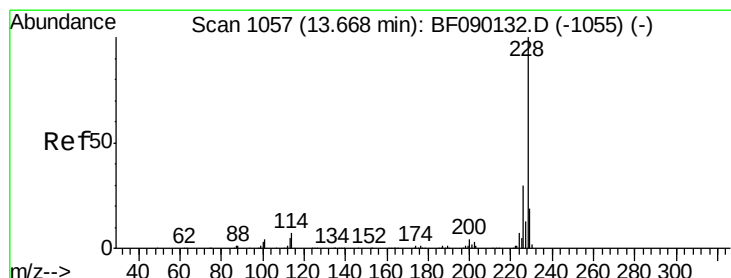
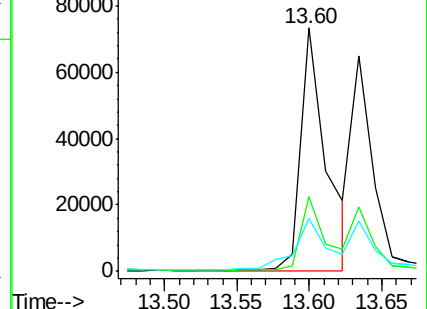
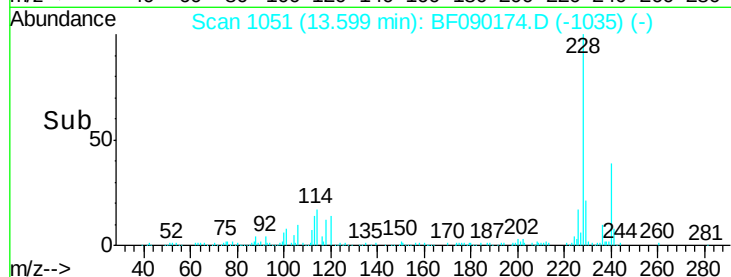
229 21.6 16.2 24.2



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: 5.09 ng m

RT: 13.63 min Scan# 1054

Delta R.T. -0.03 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

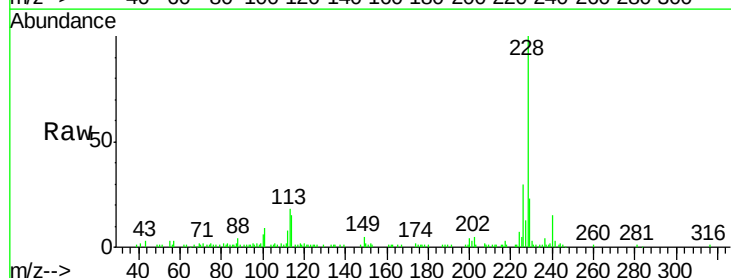
Tgt Ion:228 Resp: 69413

Ion Ratio Lower Upper

228 100

226 29.8 24.6 37.0

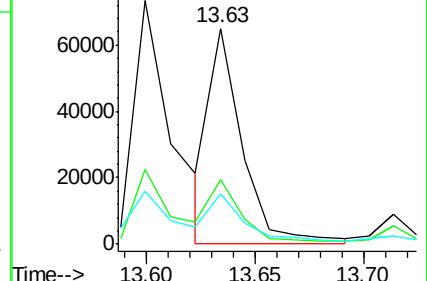
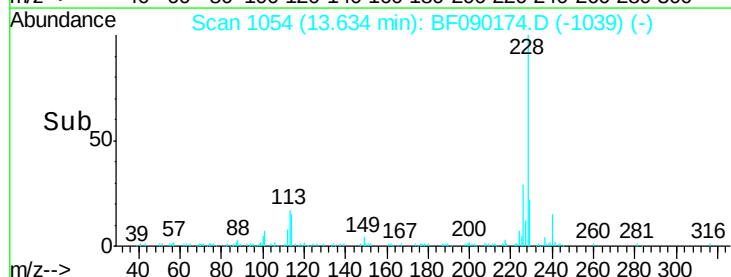
229 23.2 16.2 24.4

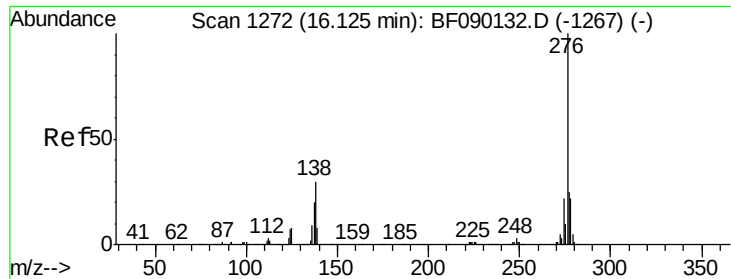


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

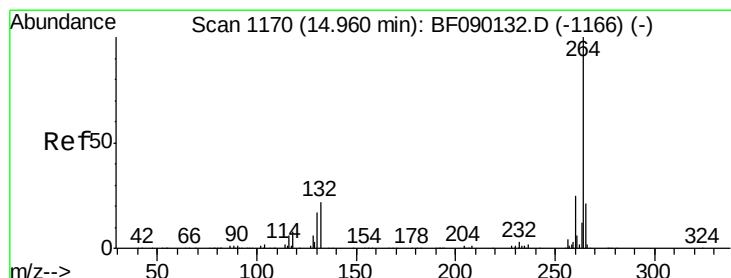
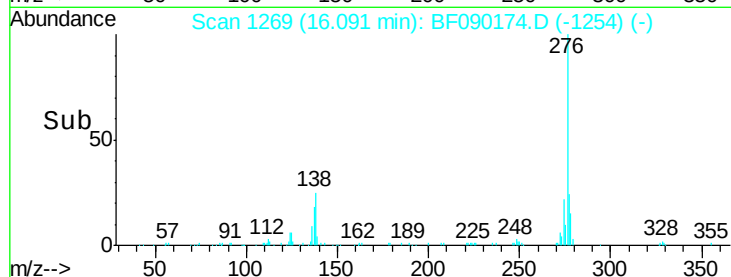
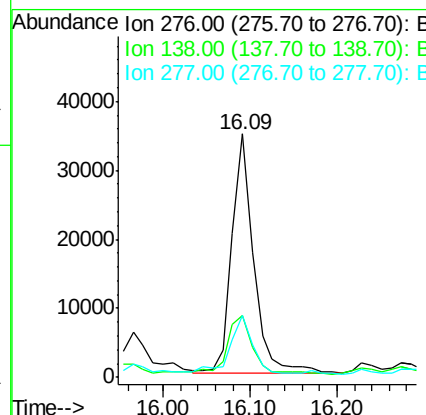
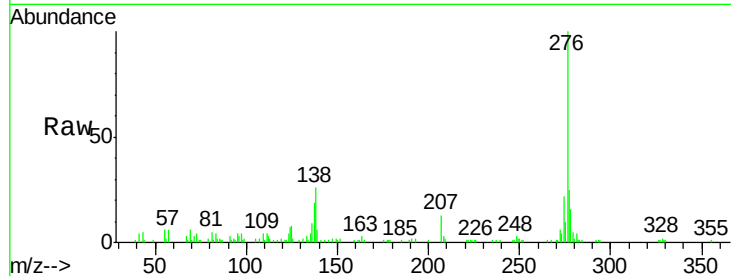




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.47 ng
 RT: 16.09 min Scan# 1269
 Delta R.T. -0.03 min
 Lab File: BF090174.D
 Acq: 21 Sep 2016 22:12

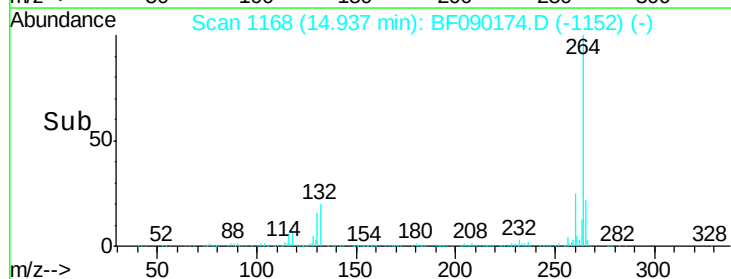
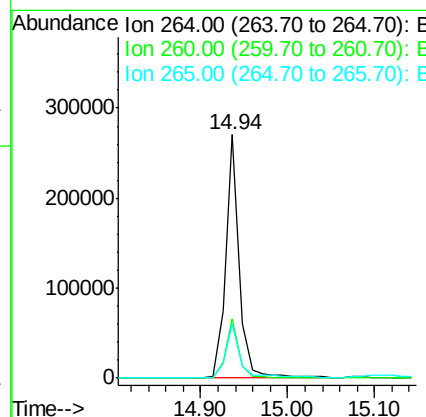
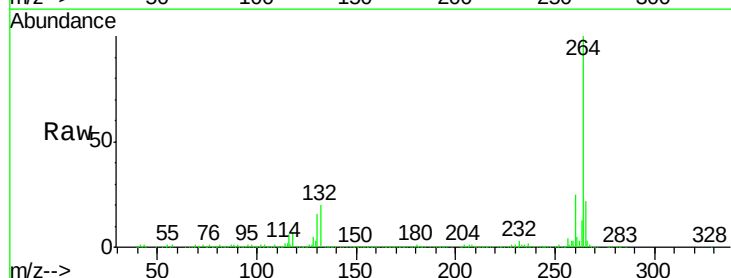
Instrument :
 BNA_F
 ClientSampleId :
 BH-10-3-4FT

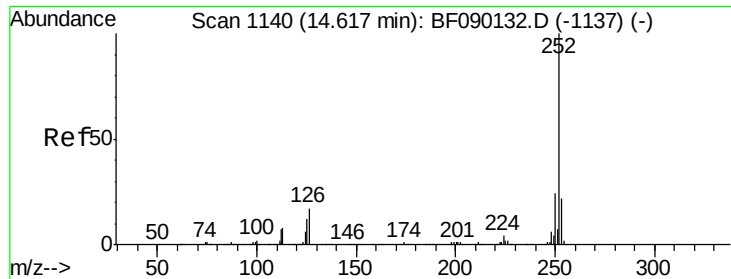
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.0	25.9	38.9
277	25.4	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.94 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF090174.D
 Acq: 21 Sep 2016 22:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.2	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 6.34 ng m

RT: 14.59 min Scan# 1138

Delta R.T. -0.02 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

Instrument :

BNA_F

ClientSampleId :

BH-10-3-4FT

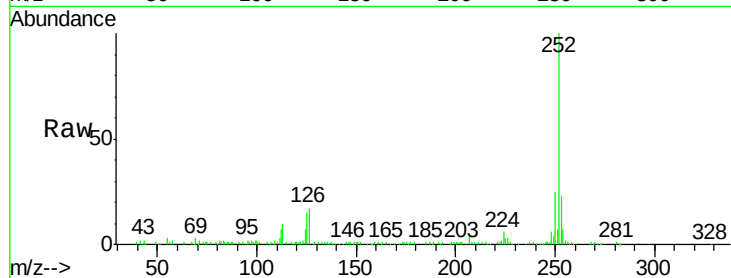
Tot Ion:252 Resp: 104902

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

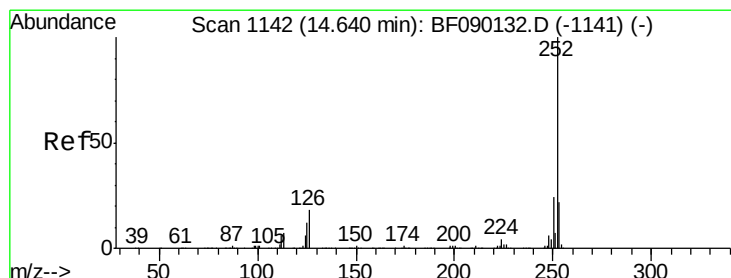
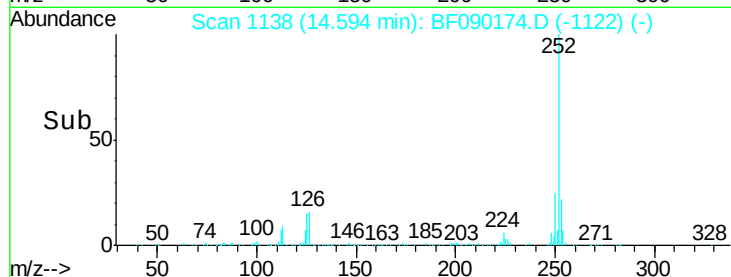
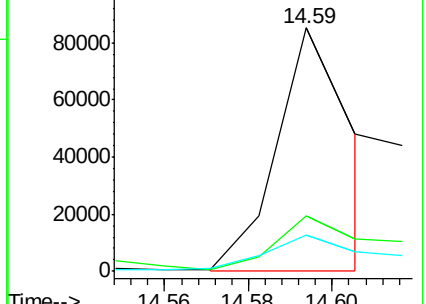
125 15.1 12.7 19.1



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: 2.64 ng m

RT: 14.61 min Scan# 1139

Delta R.T. -0.03 min

Lab File: BF090174.D

Acq: 21 Sep 2016 22:12

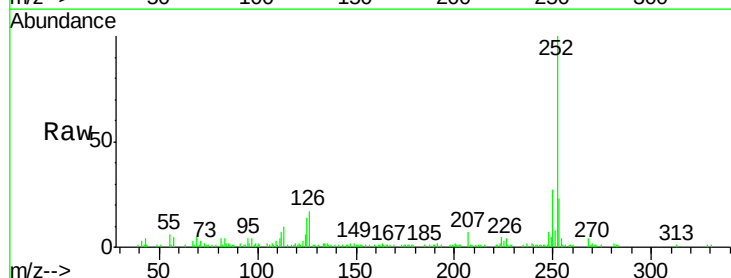
Tgt Ion:252 Resp: 41042

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

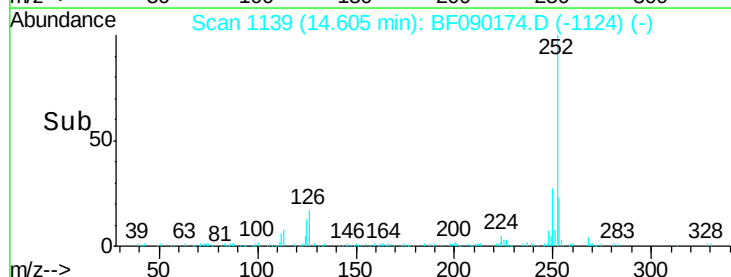
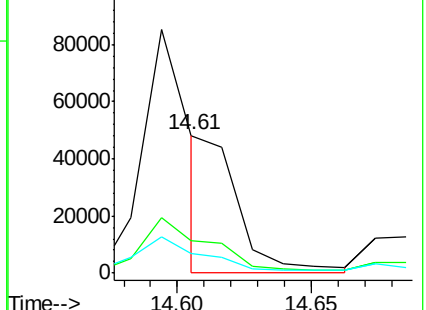
125 14.1 7.8 11.6#

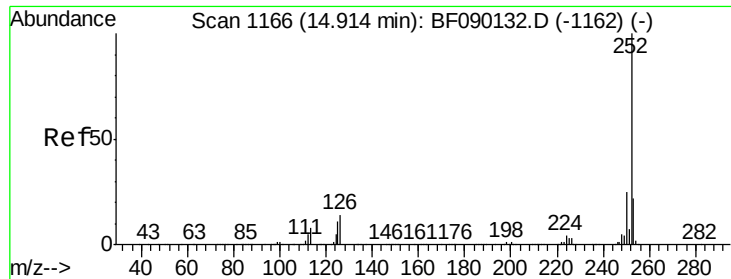


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

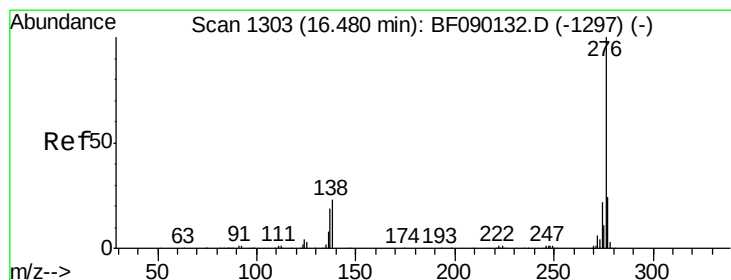
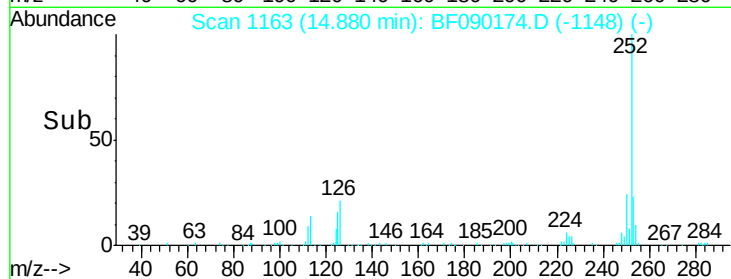
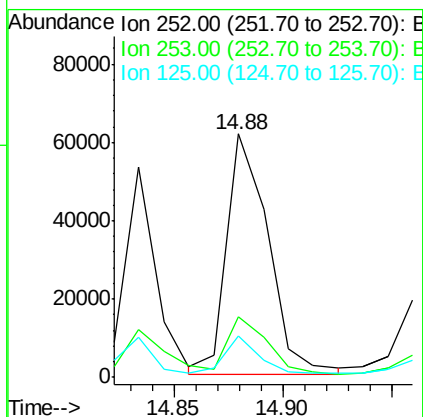
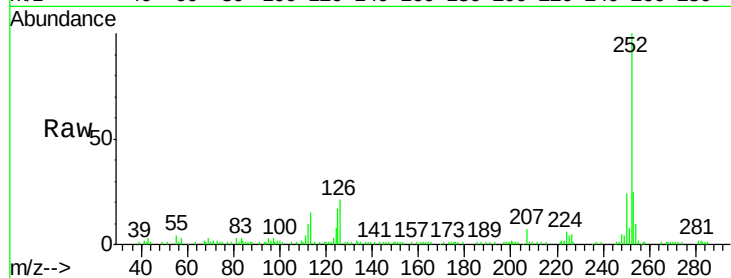




#89
Benzo(a)pyrene
Concen: 5.22 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.03 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Instrument :
BNA_F
ClientSampleId :
BH-10-3-4FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.4	26.0
125	17.0	7.7	11.5#



#91
Benzo(g,h,i)perylene
Concen: 4.87 ng
RT: 16.43 min Scan# 1299
Delta R.T. -0.05 min
Lab File: BF090174.D
Acq: 21 Sep 2016 22:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	26.5	23.3	34.9

