

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 01:58:03 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

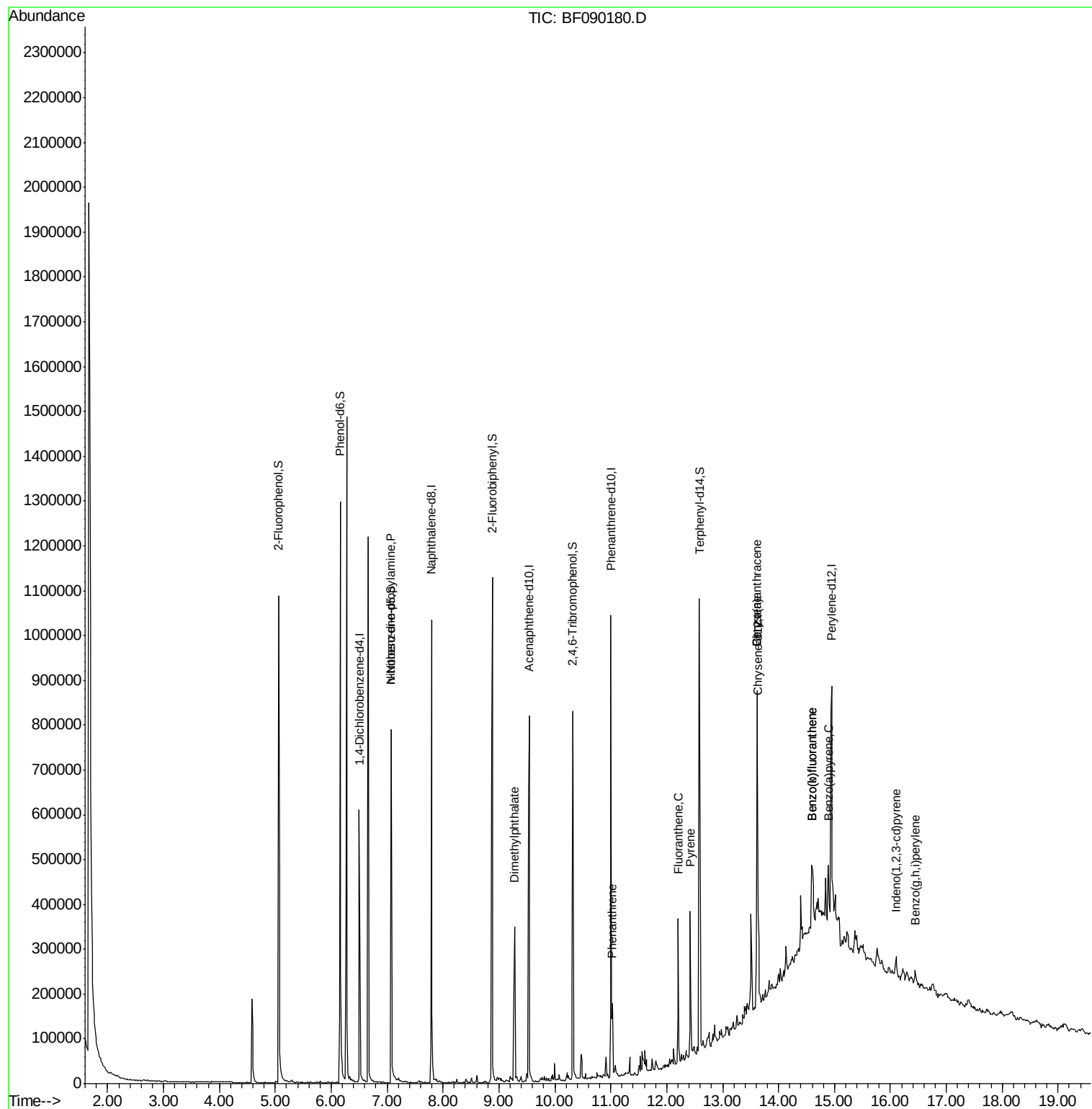
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	122804	20.00	ng	-0.02
21) Naphthalene-d8	7.79	136	462231	20.00	ng	-0.02
38) Acenaphthene-d10	9.54	164	251665	20.00	ng	-0.01
63) Phenanthrene-d10	11.00	188	366402	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	326881	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						
19) n-Nitroso-di-n-propylamine	7.07	70	32412	5.93	ng	Qvalue # 79
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	13.61	228	68024	3.97	ng	98
85) Indeno(1,2,3-cd)pyrene	16.10	276	27815	2.01	ng	96
87) Benzo(b)fluoranthene	14.59	252	105955	6.54	ng	# 93
88) Benzo(k)fluoranthene	14.59	252	105955	6.97	ng	# 88
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

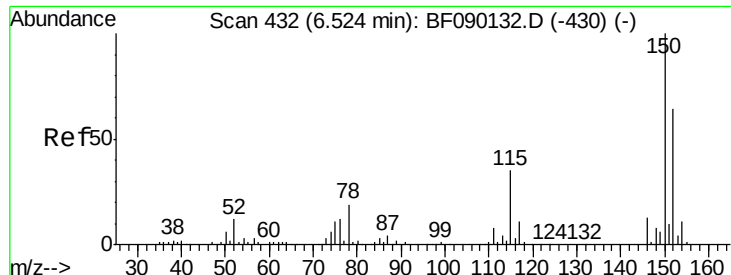
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090180.D

Acq: 22 Sep 2016 1:03

Instrument :

BNA_F

ClientSampleId :

BH-7-0.5-2FT

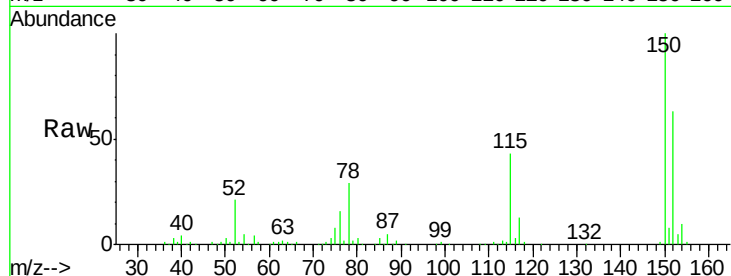
Tgt Ion:152 Resp: 122804

Ion Ratio Lower Upper

152 100

150 158.1 128.9 193.3

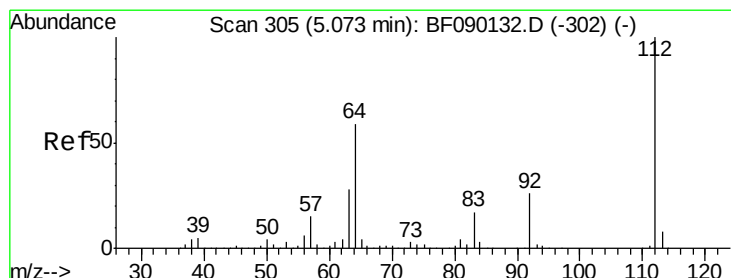
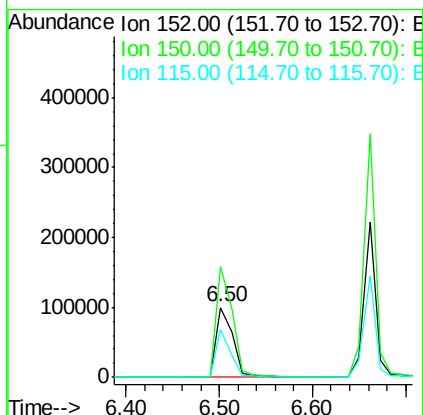
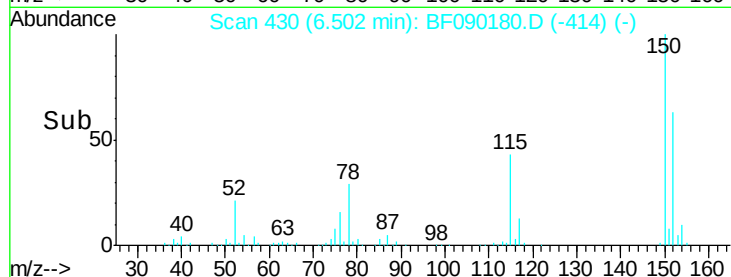
115 68.6 55.5 83.3



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

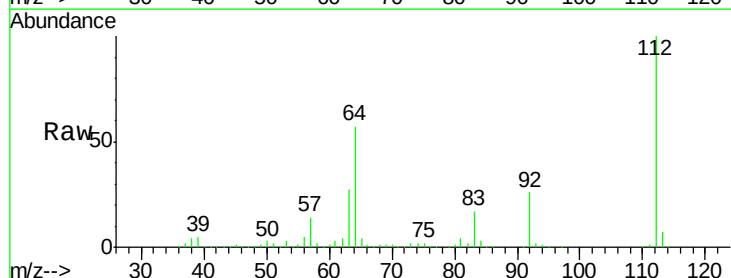
Tgt Ion:112 Resp: 412561

Ion Ratio Lower Upper

112 100

64 56.7 39.8 59.6

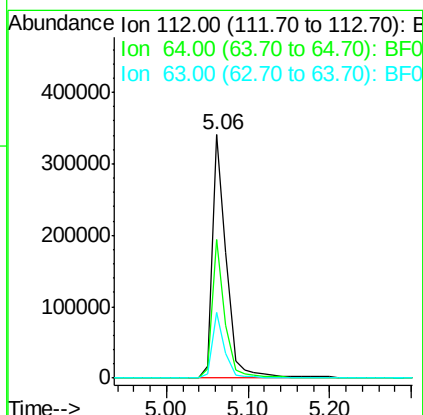
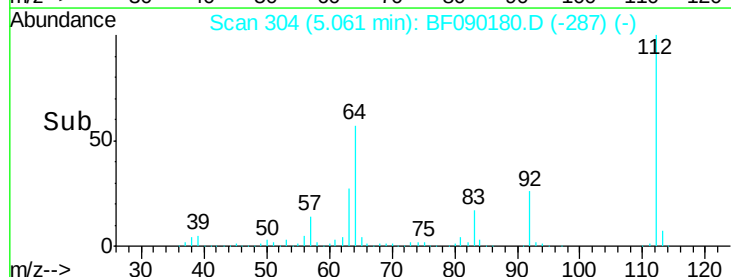
63 26.9 18.9 28.3

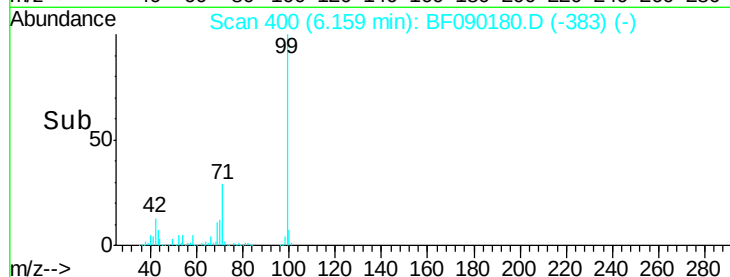
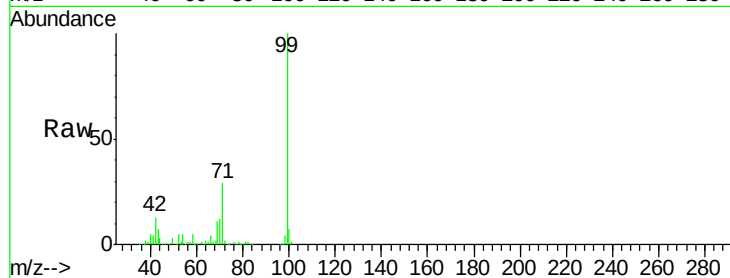
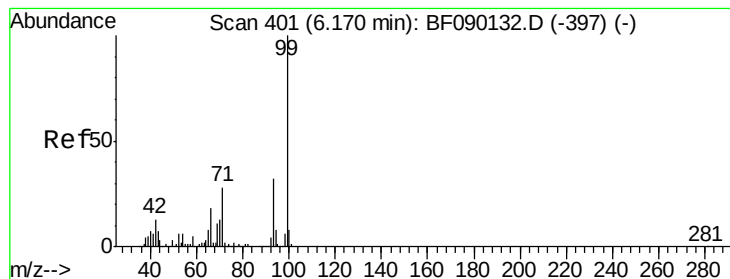


Abundance Ion 112.00 (111.70 to 112.70): E

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

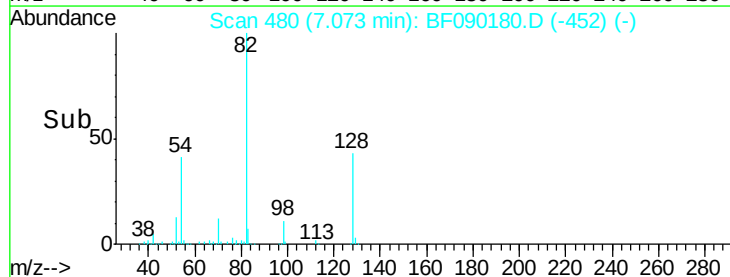
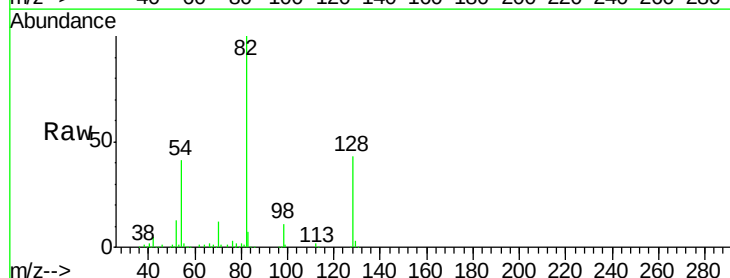
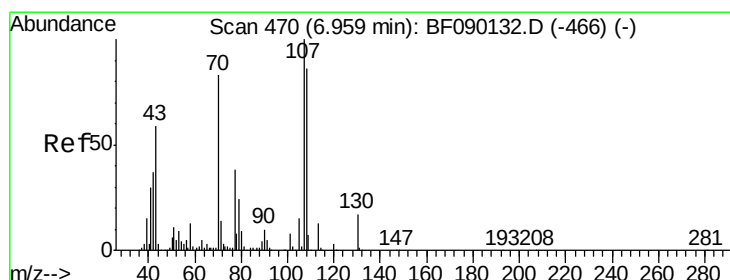
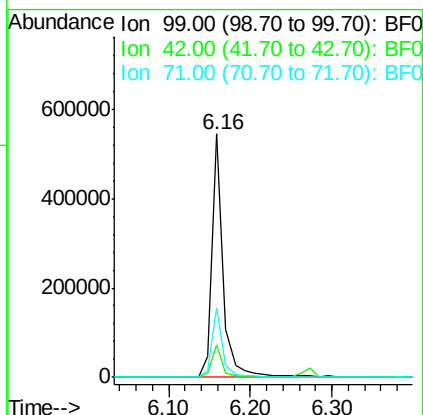
Tgt Ion: 99 Resp: 537786

Ion Ratio Lower Upper

99 100

42 13.2 10.6 15.8

71 28.6 23.0 34.6



#19

n-Nitroso-di-n-propylamine

Concen: 5.93 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.12 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

Tgt Ion: 70 Resp: 32412

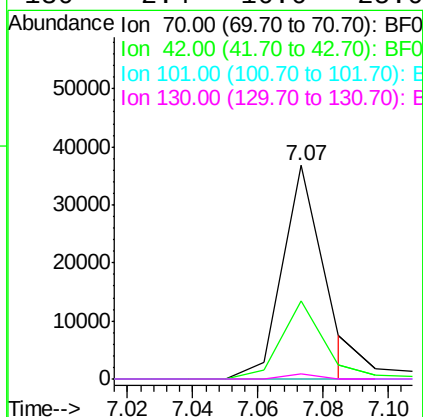
Ion Ratio Lower Upper

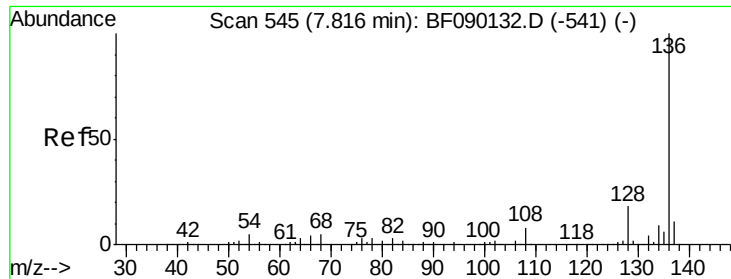
70 100

42 36.7 35.1 52.7

101 0.0 7.5 11.3#

130 2.4 16.6 25.0#

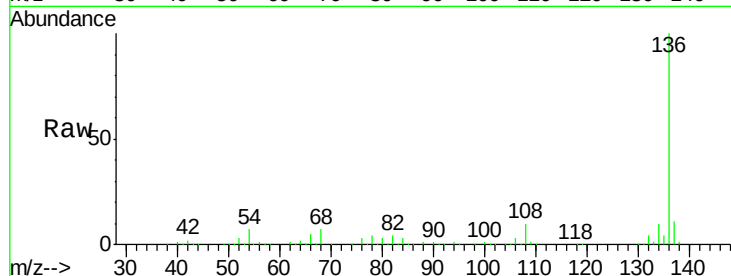




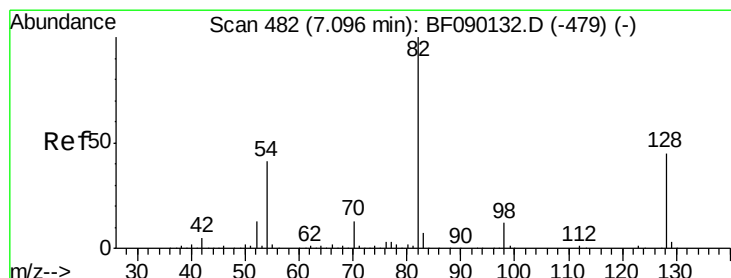
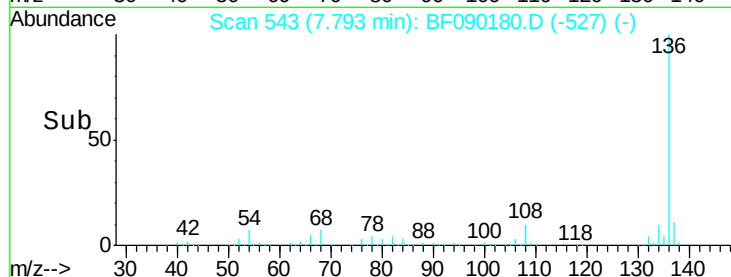
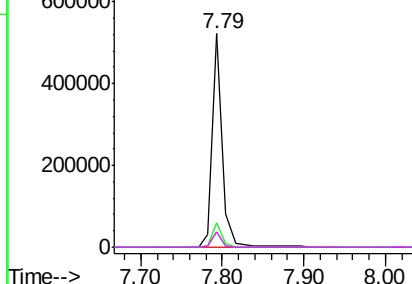
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.79 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

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

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

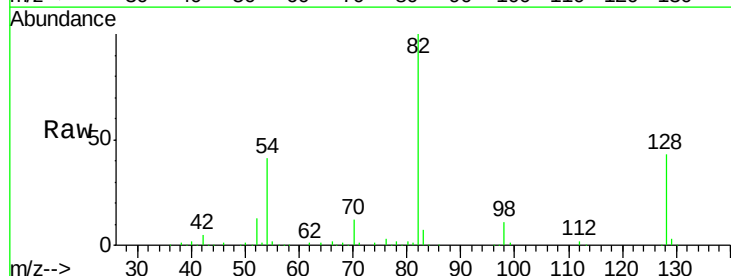


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF0
400000
Ion 68.00 (67.70 to 68.70): BF0
200000
0

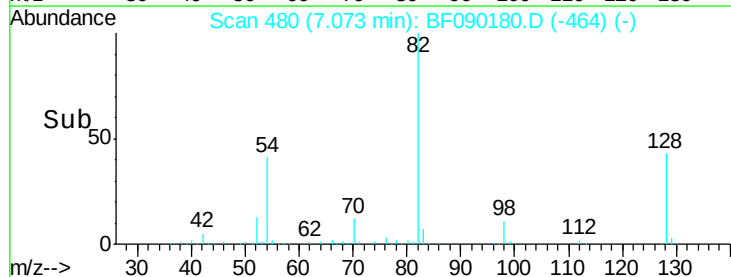
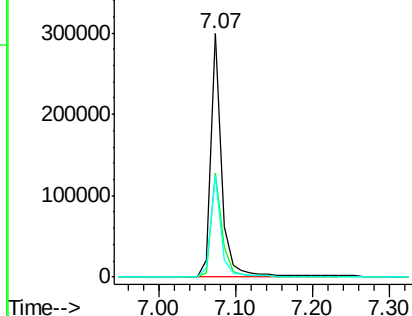


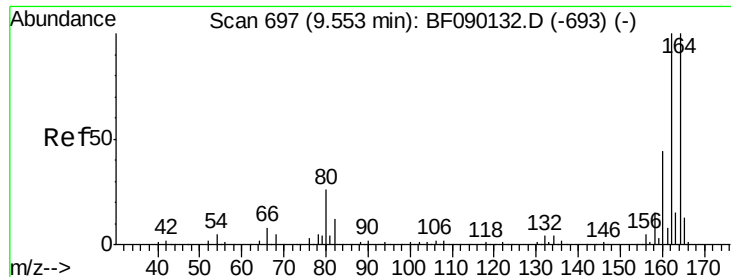
#23
Nitrobenzene-d5
Concen: 37.28 ng
RT: 7.07 min Scan# 480
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

Tgt 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
400000
Ion 128.00 (127.70 to 128.70): E
300000
Ion 54.00 (53.70 to 54.70): BF0
200000
100000
0





#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

Instrument :

BNA_F

ClientSampleId :

BH-7-0.5-2FT

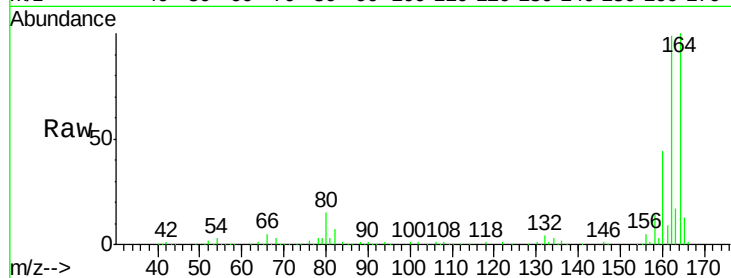
Tgt Ion:164 Resp: 251665

Ion Ratio Lower Upper

164 100

162 99.4 81.4 122.2

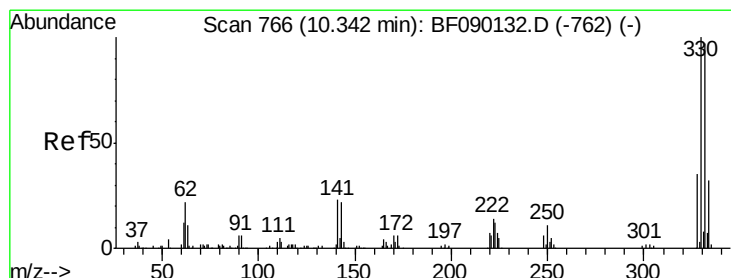
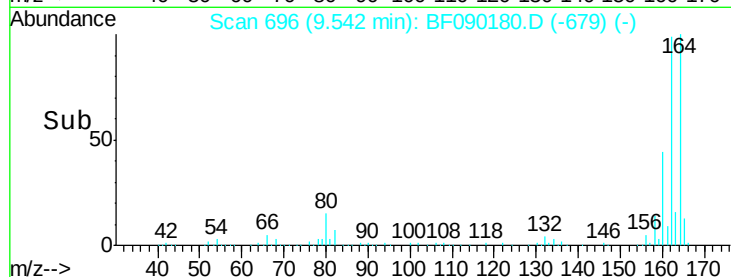
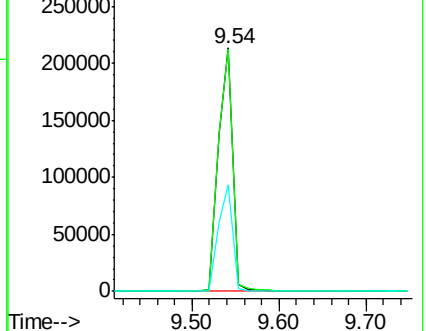
160 43.7 36.6 54.8



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

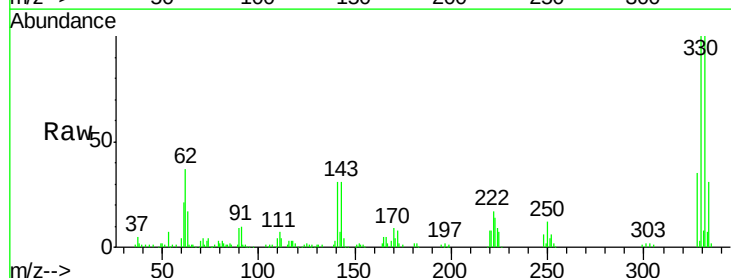
Tgt Ion:330 Resp: 106964

Ion Ratio Lower Upper

330 100

332 99.3 78.1 117.1

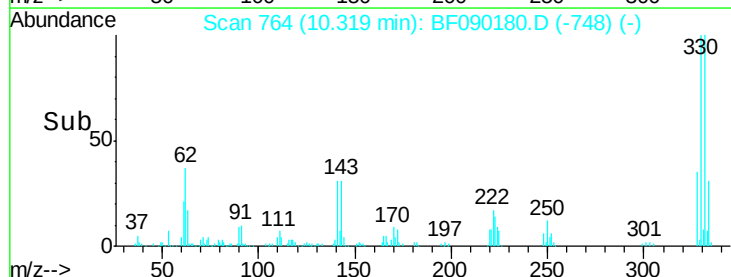
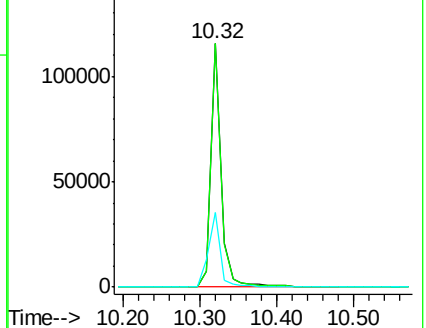
141 35.9 23.9 35.9

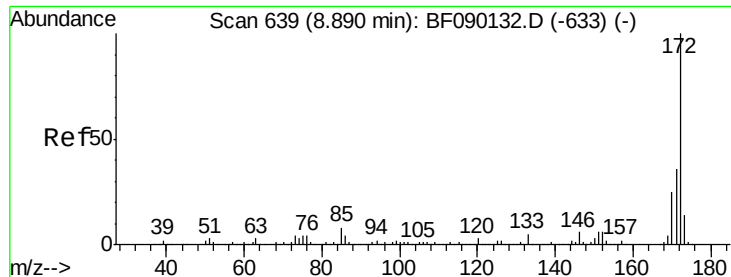


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

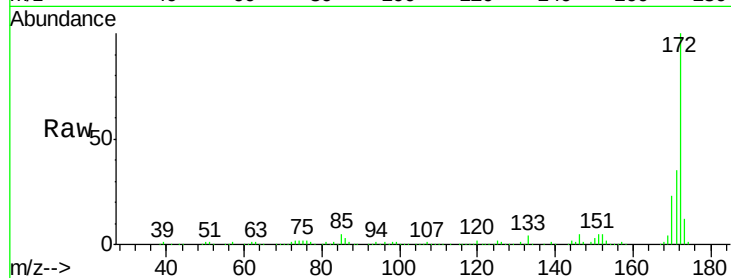




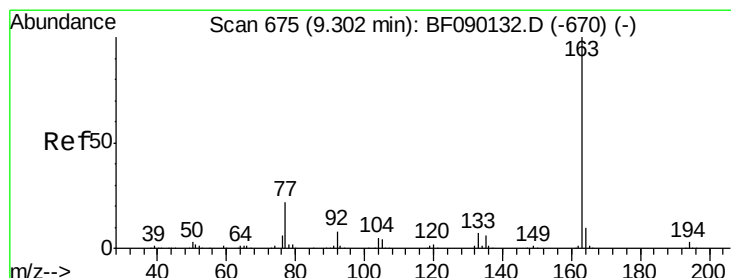
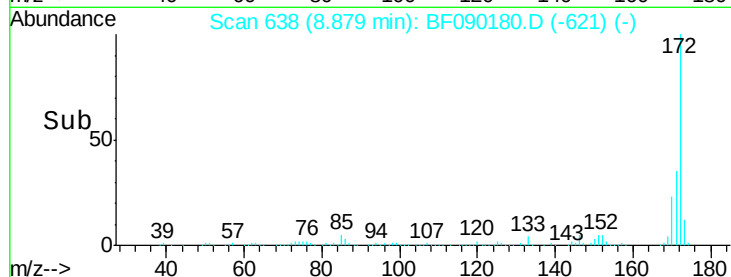
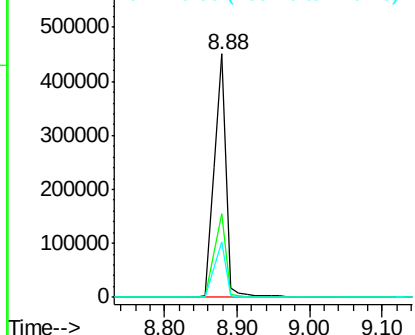
#44
 2-Fluorobiphenyl
 Concen: 39.65 ng
 RT: 8.88 min Scan# 638
 Delta R.T. -0.01 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

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

Tgt Ion:172 Resp: 508314
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.2 43.8
 170 23.0 19.8 29.8

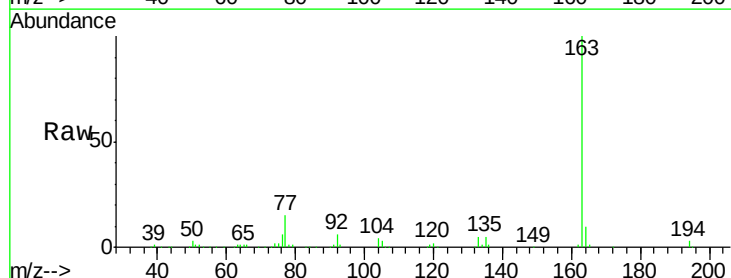


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

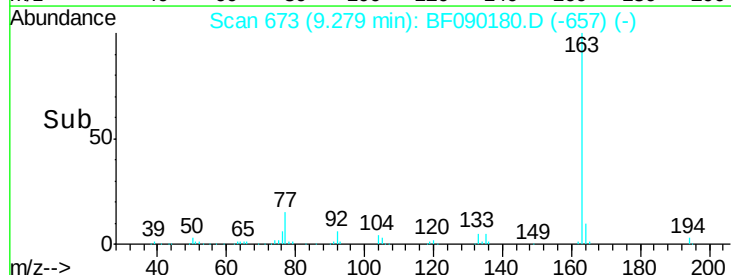
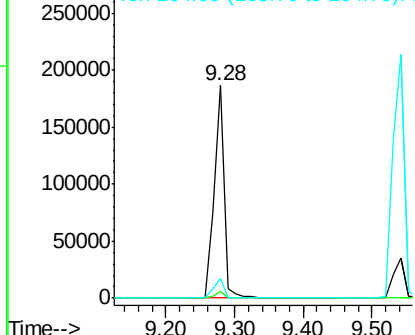


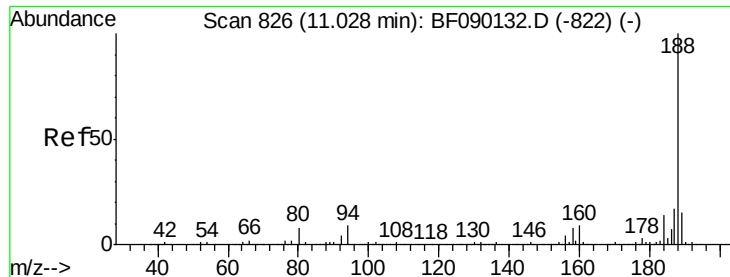
#49
 Dimethylphthalate
 Concen: 11.98 ng
 RT: 9.28 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Tgt Ion:163 Resp: 192015
 Ion Ratio Lower Upper
 163 100
 194 3.4 2.8 4.2
 164 9.5 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

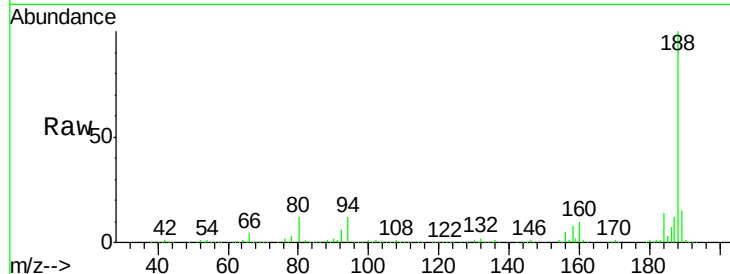




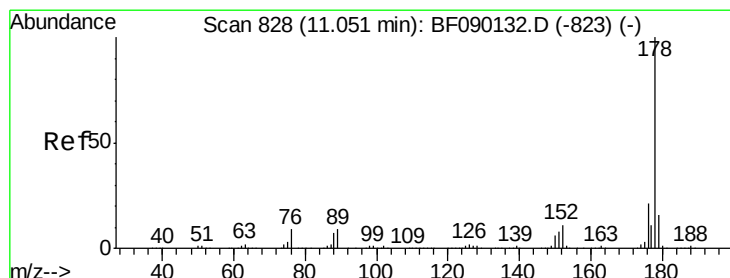
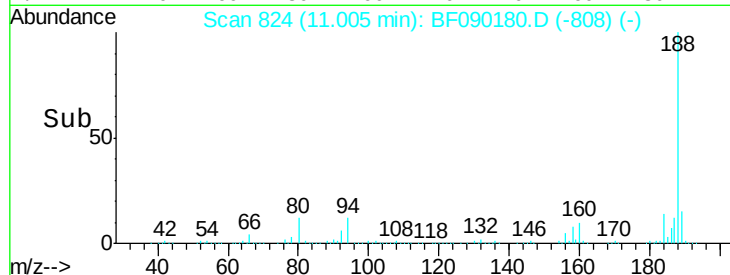
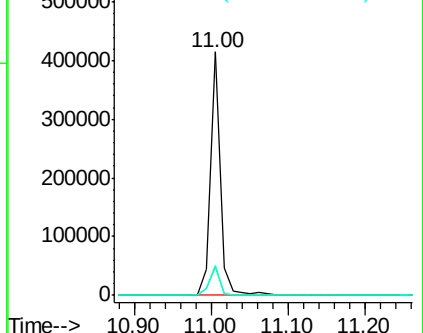
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.00 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

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

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

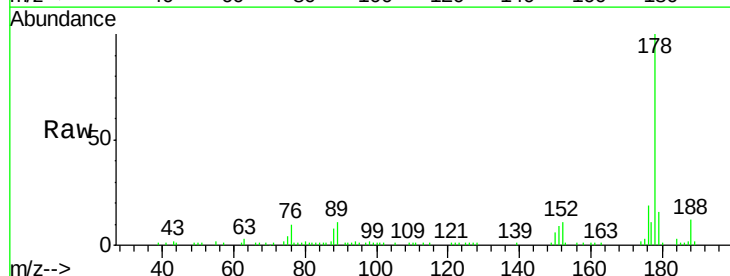


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

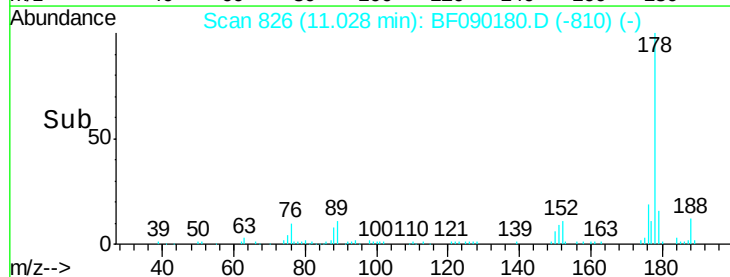
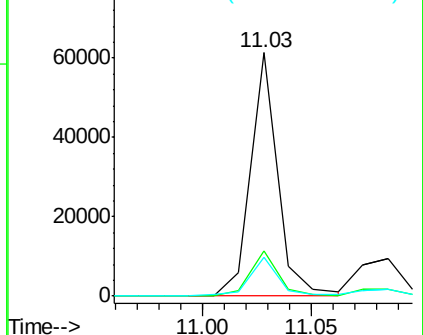


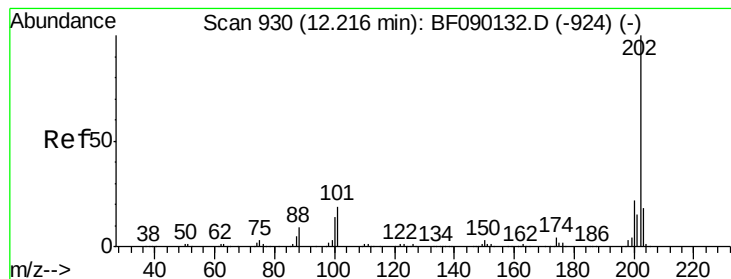
#70
Phenanthrene
Concen: 3.11 ng
RT: 11.03 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

Tgt 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

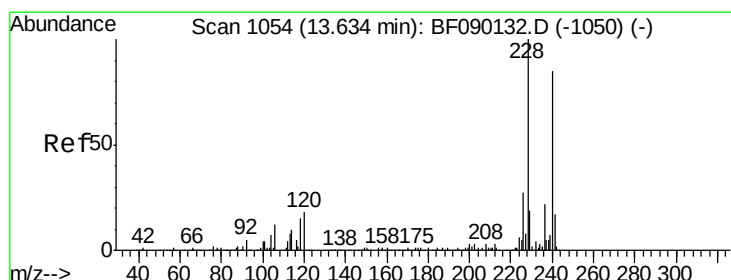
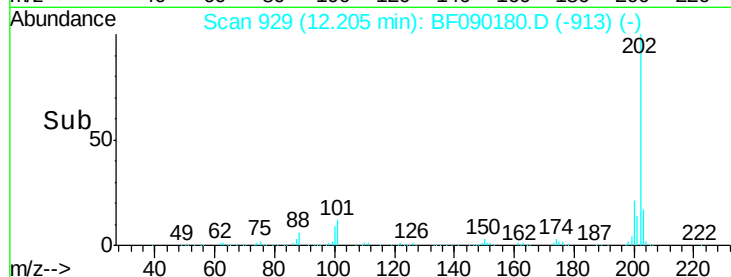
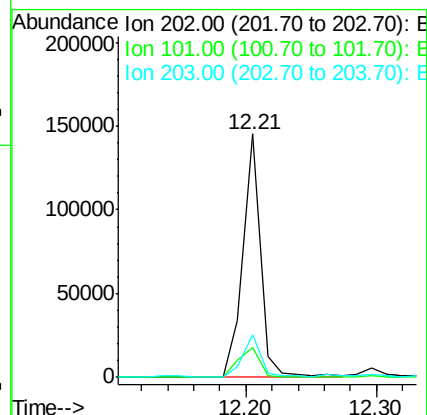
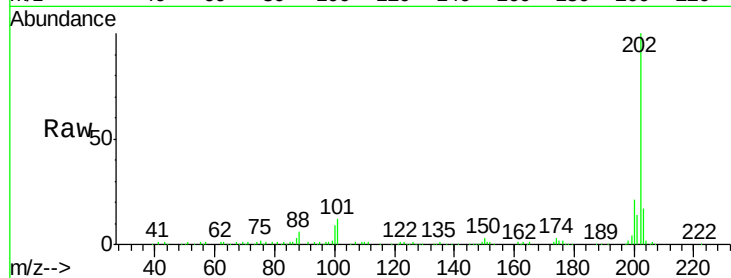
Instrument :

BNA_F

ClientSampleId :

BH-7-0.5-2FT

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



#75

Chrysene-d12

Concen: 20.00 ng

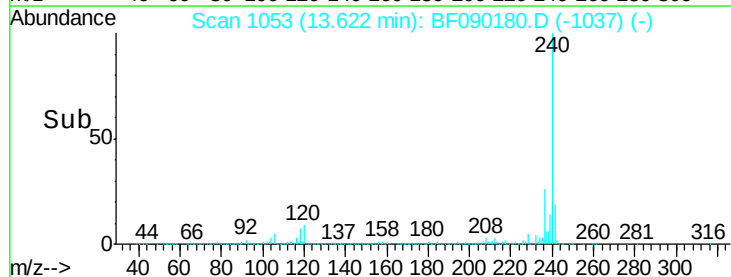
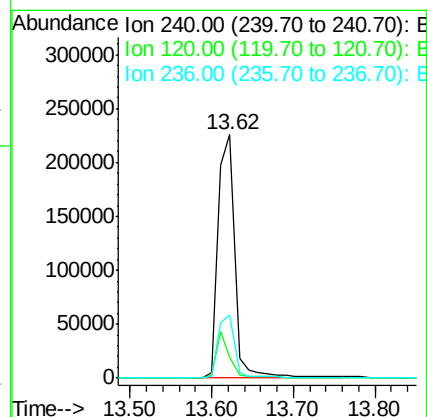
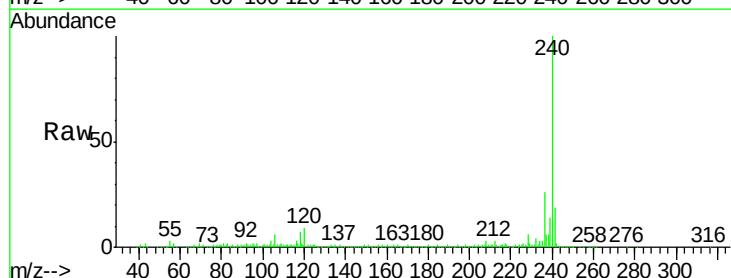
RT: 13.62 min Scan# 1053

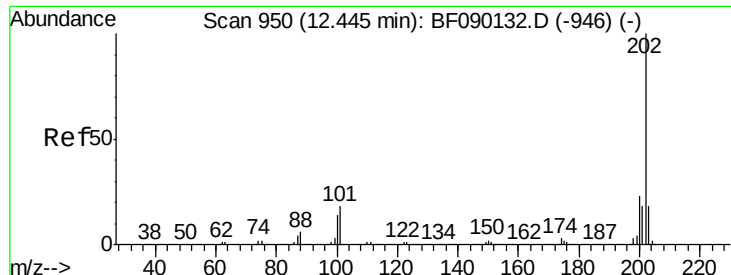
Delta R.T. -0.01 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

Tgt Ion:	240	Resp:	326881
Ion Ratio	Lower	Upper	
240	100		
120	8.8	10.6	16.0#
236	25.7	21.6	32.4

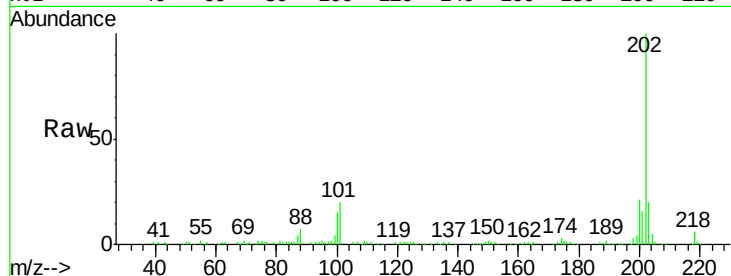




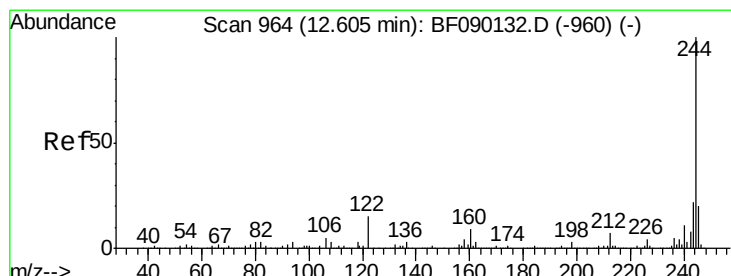
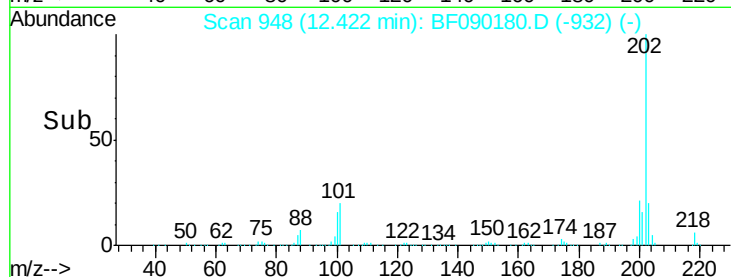
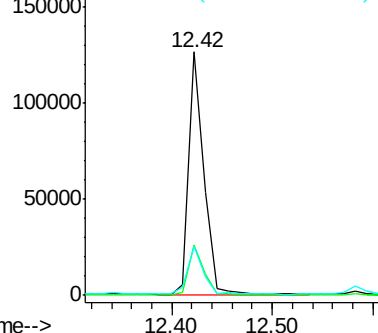
#77
 Pyrene
 Concen: 5.88 ng
 RT: 12.42 min Scan# 948
 Delta R.T. -0.02 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

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

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

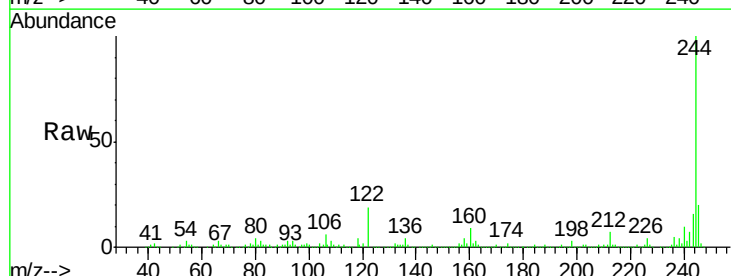


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

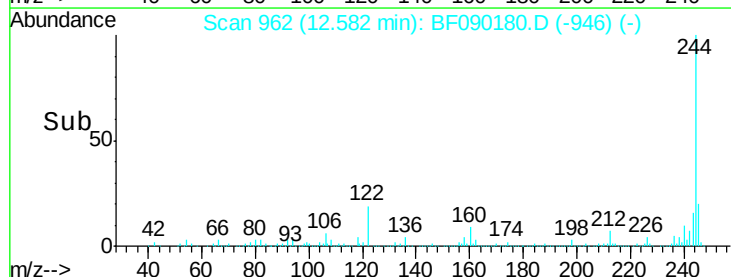
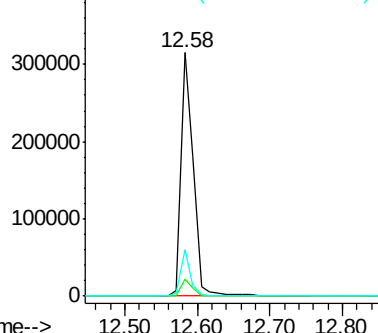


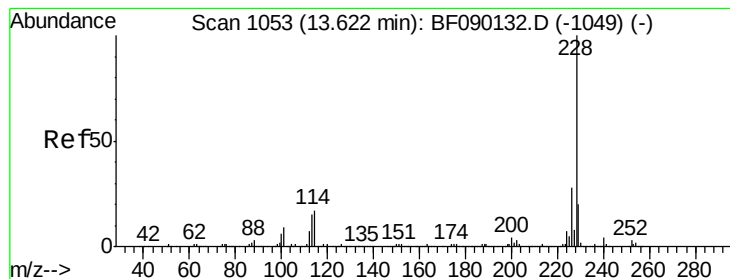
#78
 Terphenyl-d14
 Concen: 28.83 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090180.D
 Acq: 22 Sep 2016 1:03

Tgt Ion: 244 Resp: 371194
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 19.2 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: 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

Instrument :

BNA_F

ClientSampleId :

BH-7-0.5-2FT

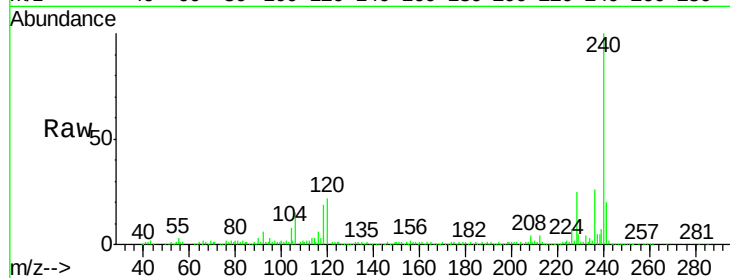
Tgt Ion:228 Resp: 68024

Ion Ratio Lower Upper

228 100

226 30.0 22.0 33.0

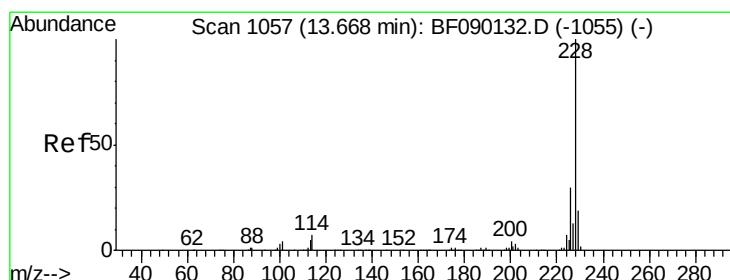
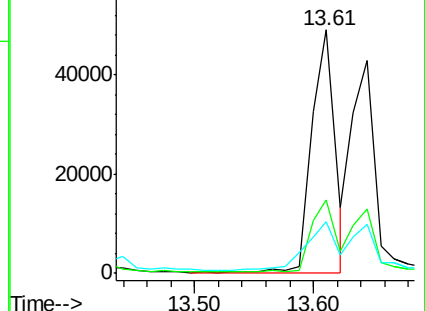
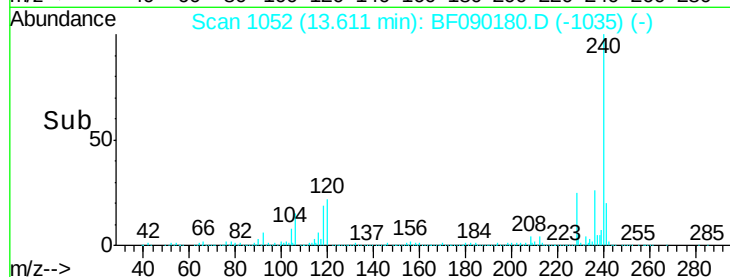
229 21.3 16.2 24.2



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: 3.97 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.06 min

Lab File: BF090180.D

Acq: 22 Sep 2016 1:03

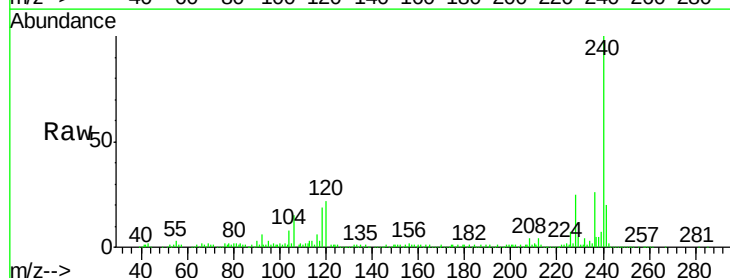
Tgt Ion:228 Resp: 68024

Ion Ratio Lower Upper

228 100

226 30.0 24.6 37.0

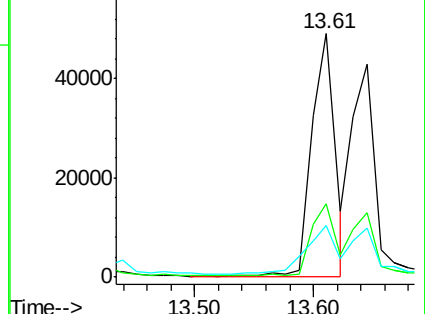
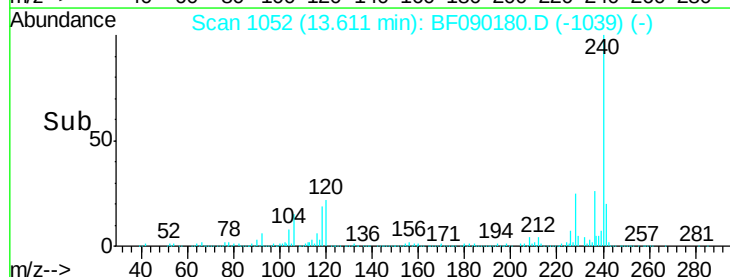
229 21.3 16.2 24.4

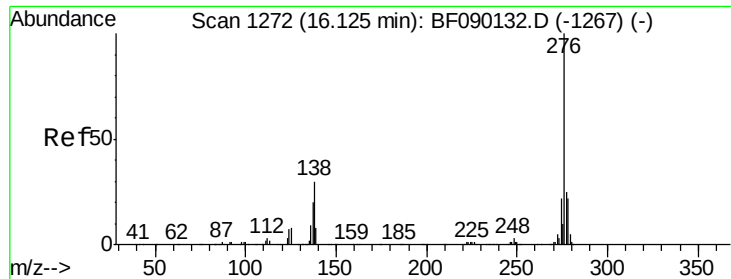


Abundance Ion 228.00 (227.70 to 228.70): E

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

RT: 16.10 min Scan# 1270

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

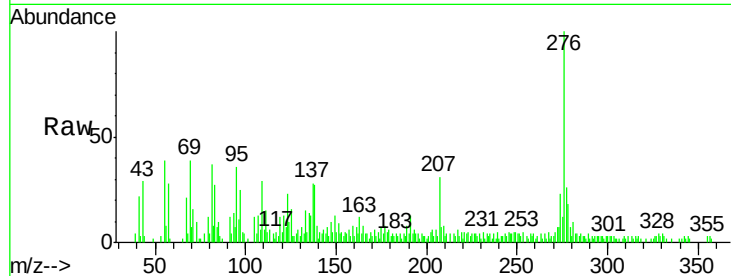
Tgt Ion: 276 Resp: 27815

Ion Ratio Lower Upper

276 100

138 30.6 25.9 38.9

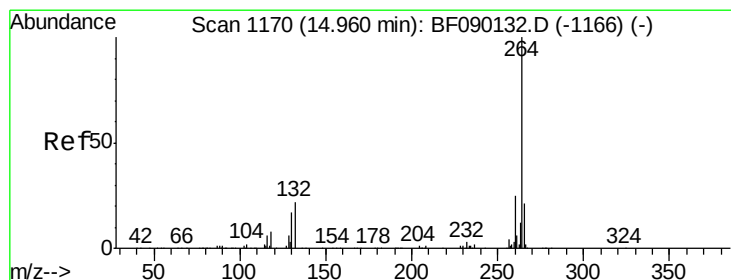
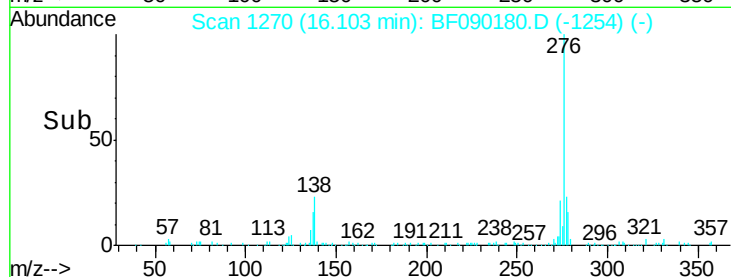
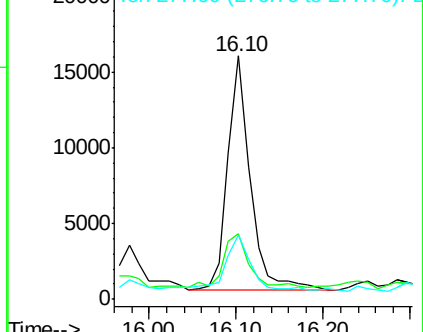
277 27.8 19.9 29.9



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

Perylene-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

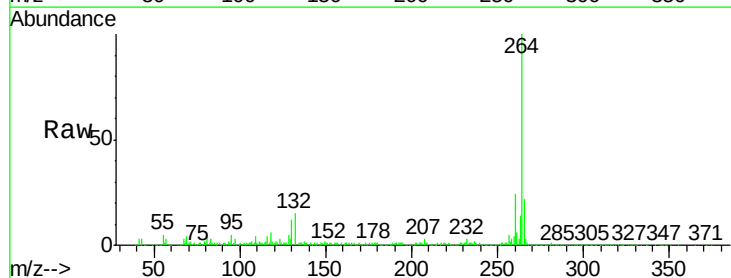
Tgt Ion: 264 Resp: 292380

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

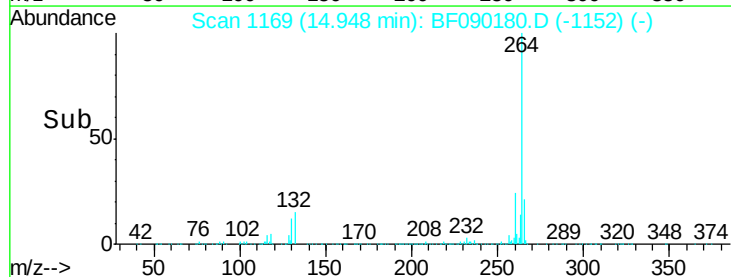
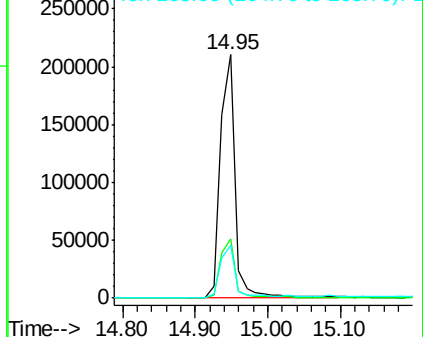
265 21.8 17.0 25.4

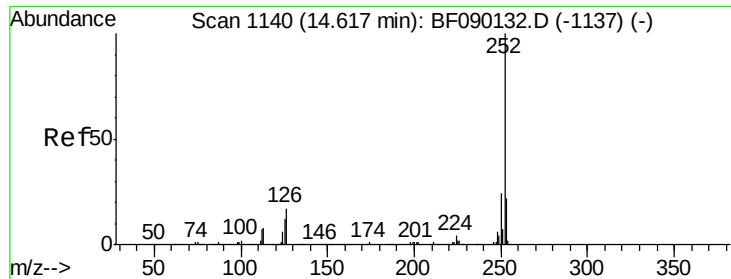


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

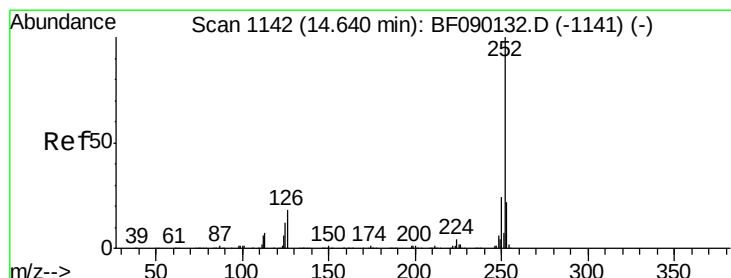
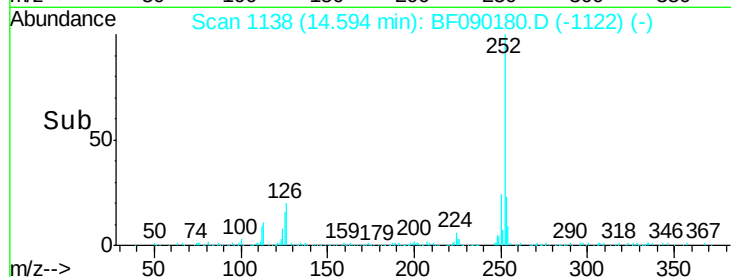
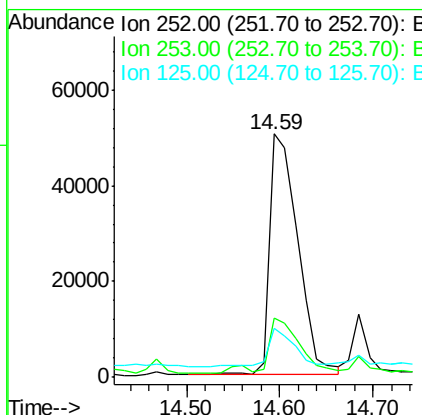
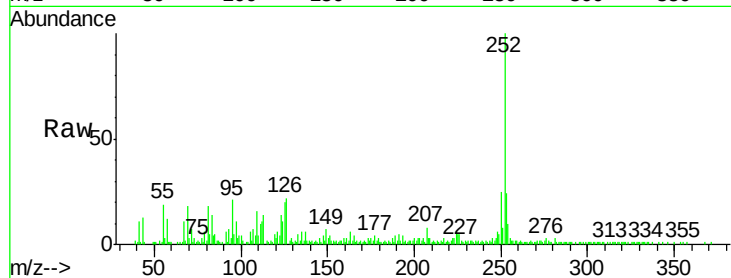




#87
Benzo(b)fluoranthene
Concen: 6.54 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

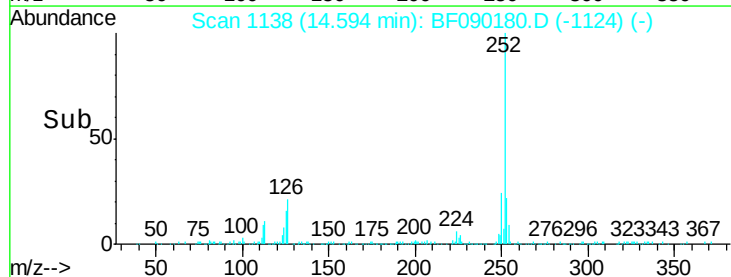
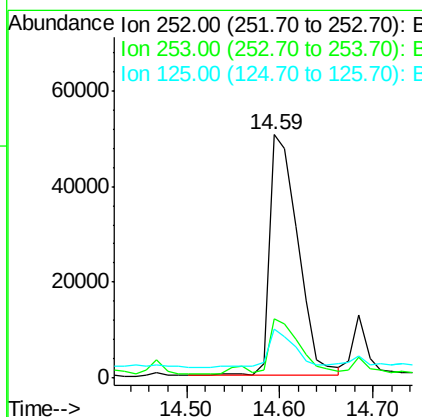
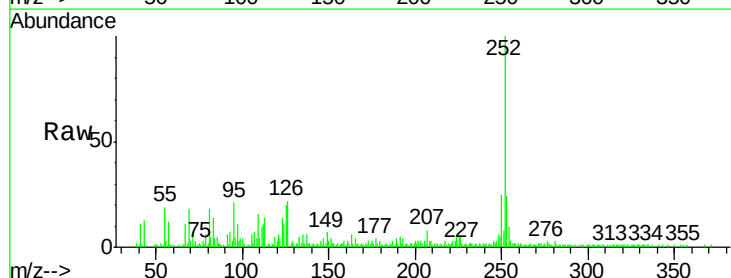
Instrument :
BNA_F
ClientSampleId :
BH-7-0.5-2FT

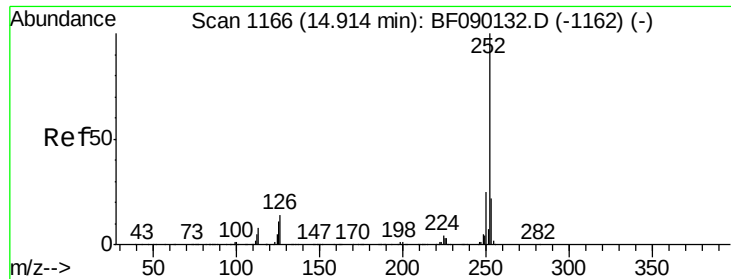
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	20.3	12.7	19.1



#88
Benzo(k)fluoranthene
Concen: 6.97 ng
RT: 14.59 min Scan# 1138
Delta R.T. -0.05 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	20.3	7.8	11.6

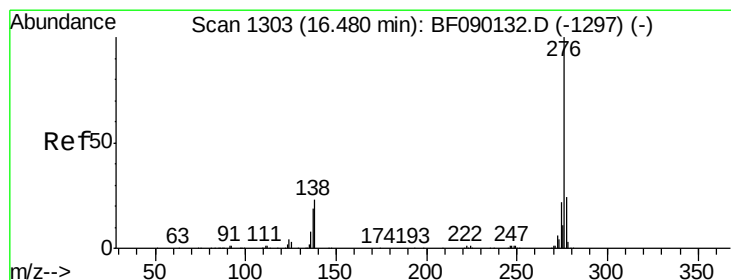
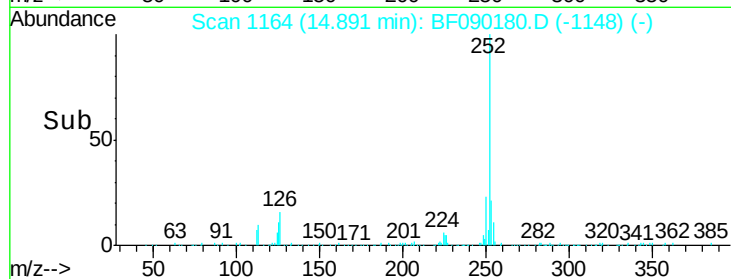
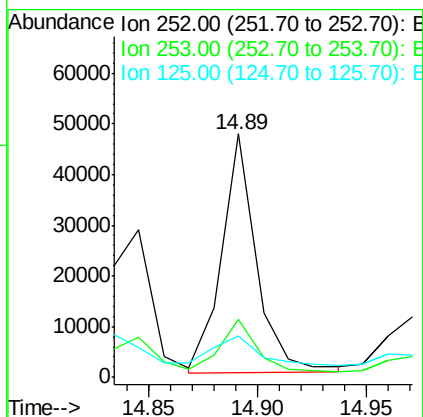
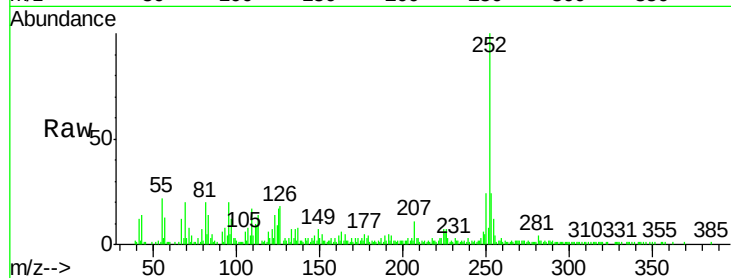




#89
Benzo(a)pyrene
Concen: 3.45 ng
RT: 14.89 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF090180.D
Acq: 22 Sep 2016 1:03

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

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#



#91
Benzo(g,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

Tgt Ion: 276 Resp: 26881
Ion Ratio Lower Upper
276 100
277 28.0 18.9 28.3
138 31.3 23.3 34.9

