

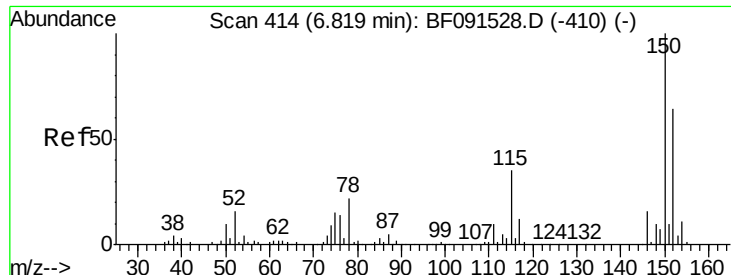
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
 Data File : BF091688.D
 Acq On : 16 Dec 2016 22:22
 Operator : UM/SJ
 Sample : H6099-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12-6FT

Quant Time: Dec 17 00:03:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	150480	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	998782	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	521102	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	643593	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	522291	20.00	ng	-0.02
86) Perylene-d12	15.32	264	469726	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	715793	80.14	ng	0.00
7) Phenol-d6	6.42	99	1045200	93.86	ng	-0.01
23) Nitrobenzene-d5	7.33	82	820457	45.85	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	325306	75.16	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	1885519	62.52	ng	-0.01
78) Terphenyl-d14	12.88	244	1298388	56.41	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.43	94	63605	4.89	ng	83
32) Benzoic acid	7.78	122	5083m	5.33	ng	
49) Dimethylphthalate	9.53	163	506448	15.35	ng	# 98
70) Phenanthrene	11.31	178	373891	11.73	ng	99
71) Anthracene	11.37	178	96505	2.81	ng	98
74) Fluoranthene	12.50	202	502896	15.07	ng	98
77) Pyrene	12.73	202	420722	10.15	ng	99
79) Butylbenzylphthalate	13.36	149	86898m	5.38	ng	
80) Benzo(a)anthracene	13.91	228	222178	7.32	ng	98
82) Chrysene	13.94	228	176010m	5.55	ng	
83) Bis(2-ethylhexyl)phthalate	13.92	149	56502	2.73	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.67	276	95598	3.35	ng	95
87) Benzo(b)fluoranthene	14.93	252	272220m	9.72	ng	
88) Benzo(k)fluoranthene	14.95	252	67682m	2.75	ng	
89) Benzo(a)pyrene	15.27	252	175294	6.95	ng	99
91) Benzo(g,h,i)perylene	17.07	276	104950	4.56	ng	# 94

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Instrument :

BNA_F

ClientSampleId :

TP12-6FT

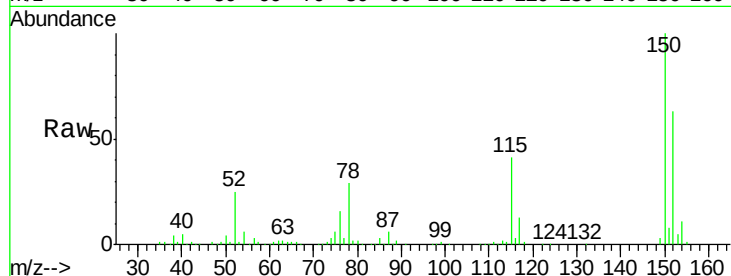
Tot Ion:152 Resp: 150480

Ion Ratio Lower Upper

152 100

150 158.6 122.5 183.7

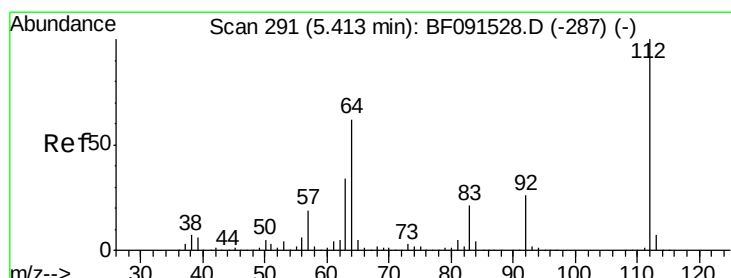
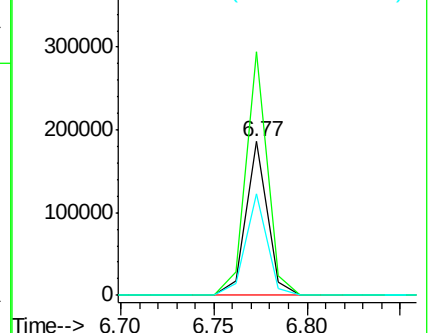
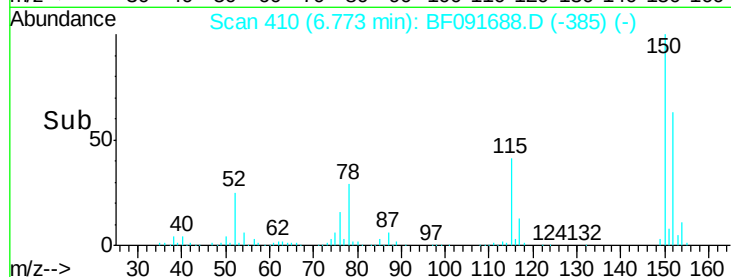
115 65.8 51.8 77.8



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: 80.14 ng

RT: 5.38 min Scan# 288

Delta R.T. 0.00 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

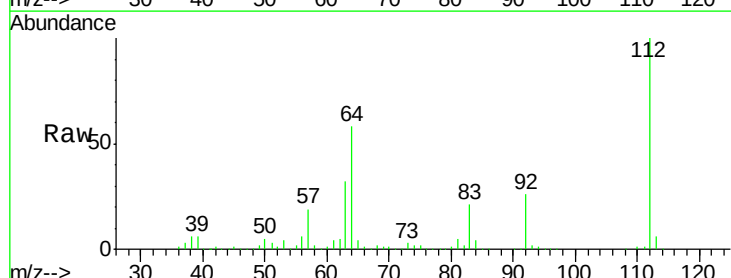
Tgt Ion:112 Resp: 715793

Ion Ratio Lower Upper

112 100

64 58.2 61.5 92.3#

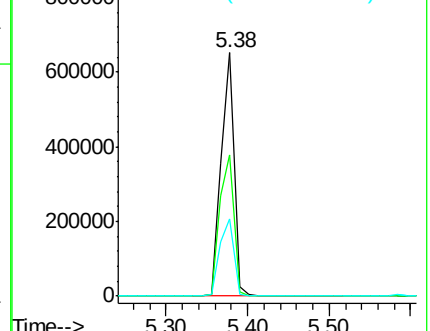
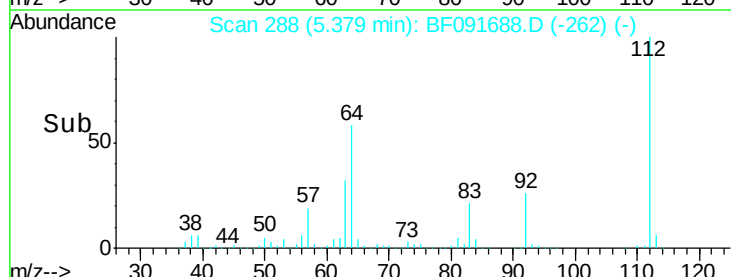
63 31.9 33.3 49.9#

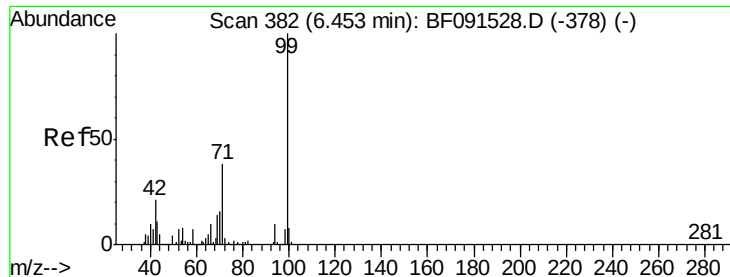


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.86 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Instrument :

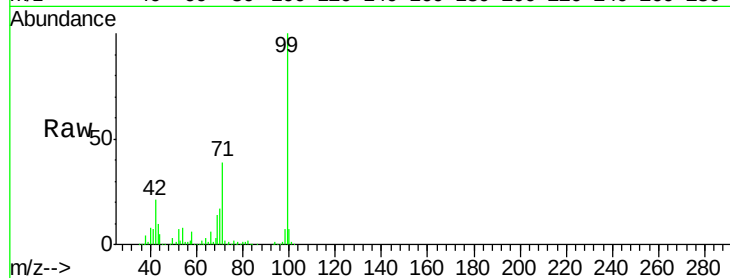
BNA_F

ClientSampleId :

TP12-6FT

Tot Ion: 99 Resp: 1045200

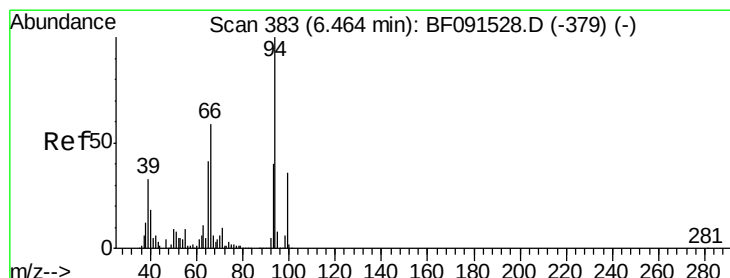
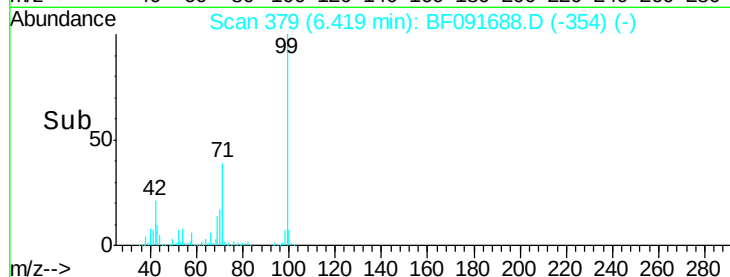
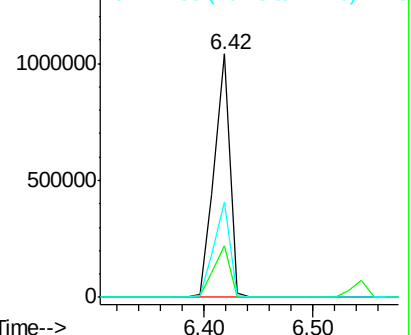
Ion	Ratio	Lower	Upper
99	100		
42	21.0	20.6	31.0
71	38.9	29.9	44.9



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: 4.89 ng

RT: 6.43 min Scan# 380

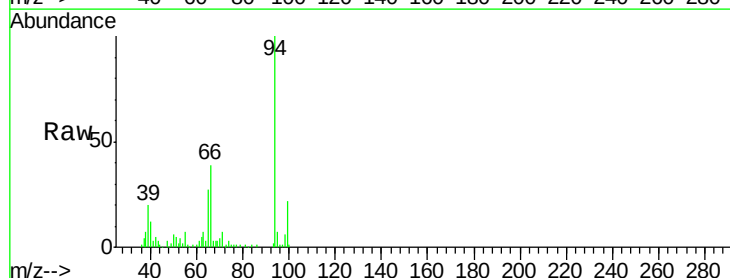
Delta R.T. -0.01 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Tgt Ion: 94 Resp: 63605

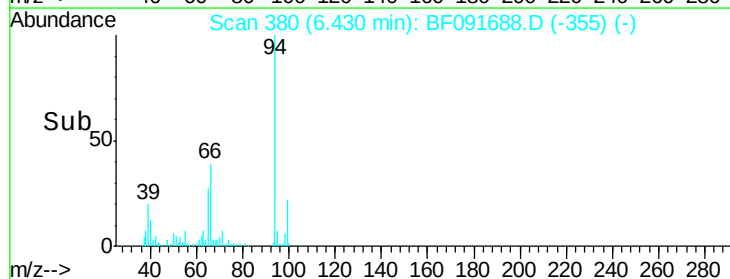
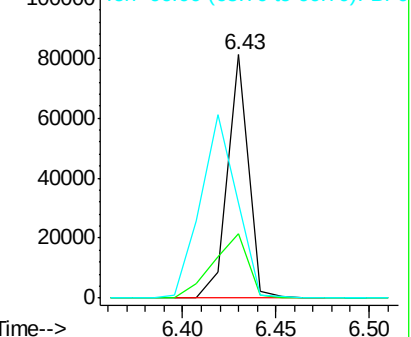
Ion	Ratio	Lower	Upper
94	100		
65	26.5	16.9	56.9
66	38.9	30.6	70.6

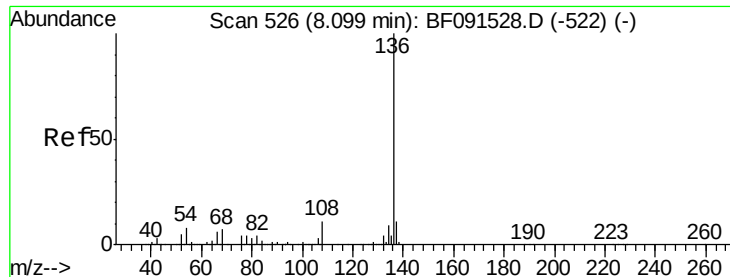


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

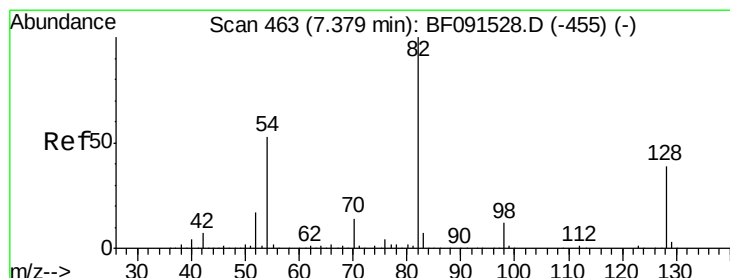
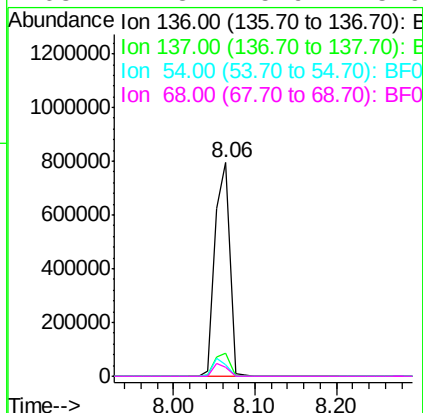
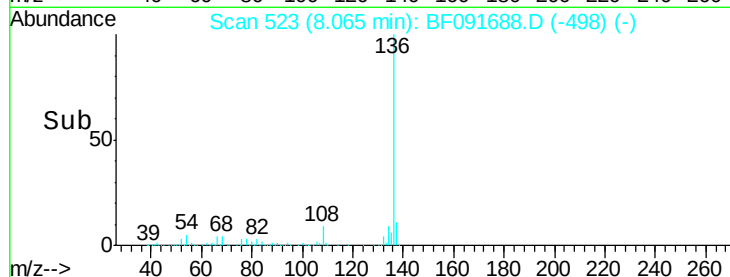
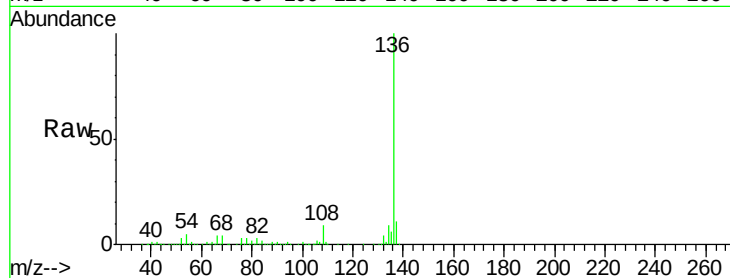




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF091688.D
Acq: 16 Dec 2016 22:22

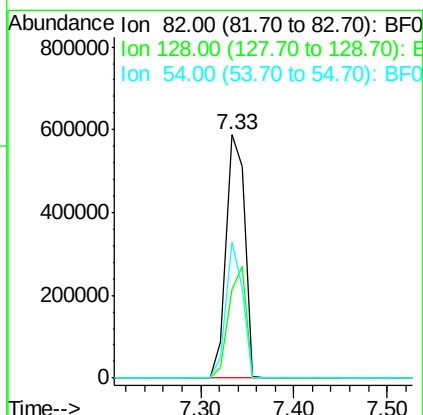
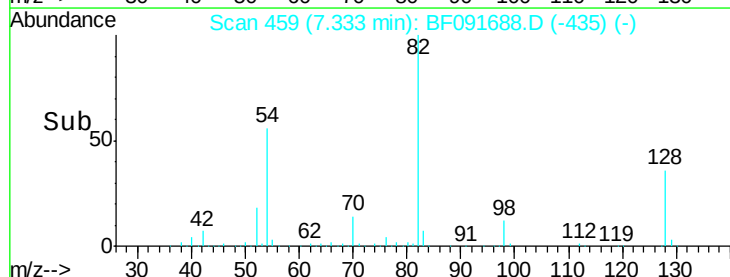
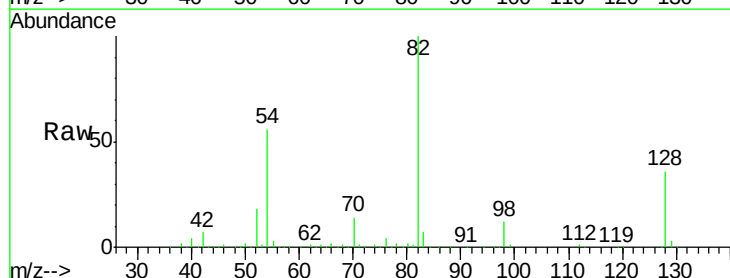
Instrument :
BNA_F
ClientSampleId :
TP12-6FT

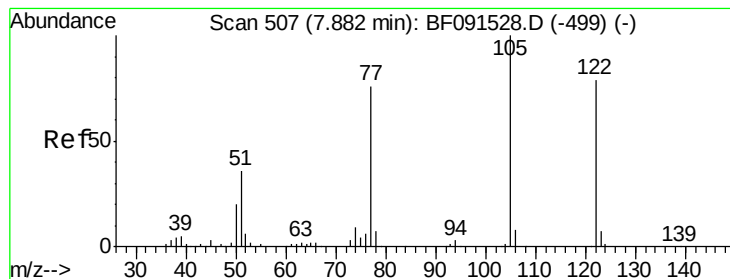
Tot Ion:136	Resp:	998782
Ion Ratio	Lower	Upper
136	100	
137	10.7	9.1 13.7
54	5.1	9.1 13.7#
68	4.3	5.9 8.9#



#23
Nitrobenzene-d5
Concen: 45.85 ng
RT: 7.33 min Scan# 459
Delta R.T. -0.02 min
Lab File: BF091688.D
Acq: 16 Dec 2016 22:22

Tgt Ion: 82	Resp:	820457
Ion Ratio	Lower	Upper
82	100	
128	36.5	31.8 47.6
54	56.0	49.1 73.7





#32

Benzoic acid

Concen: 5.33 ng/ml

RT: 7.78 min Scan# 498

Delta R.T. -0.08 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Instrument :

BNA_F

ClientSampleId :

TP12-6FT

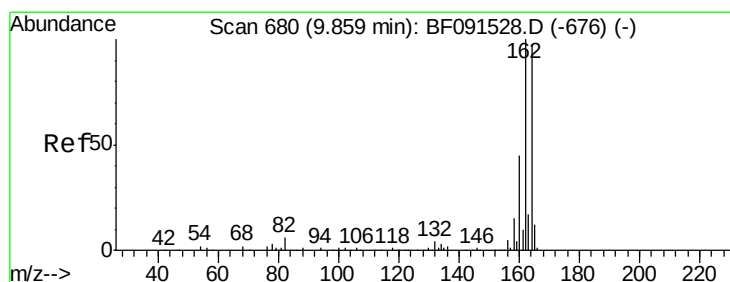
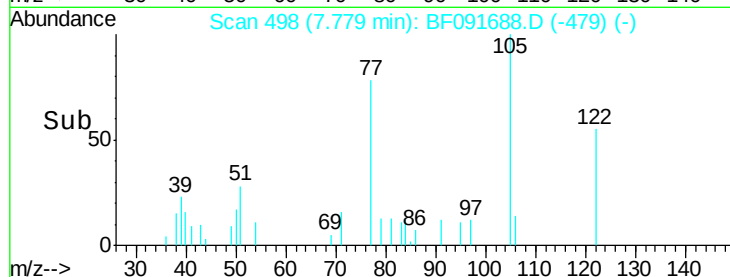
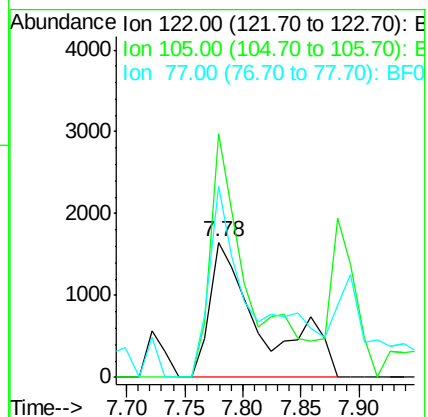
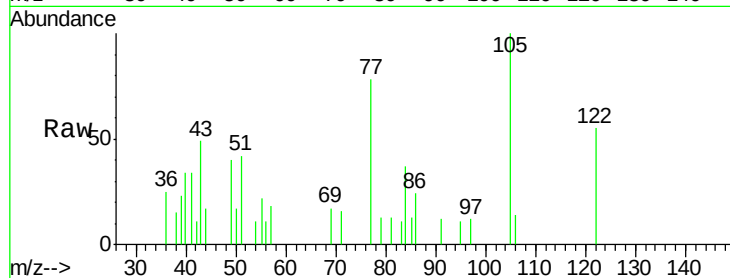
Tot Ion:122 Resp: 5083

Ion Ratio Lower Upper

122 100

105 180.5 113.0 153.0#

77 141.4 82.0 122.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.01 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

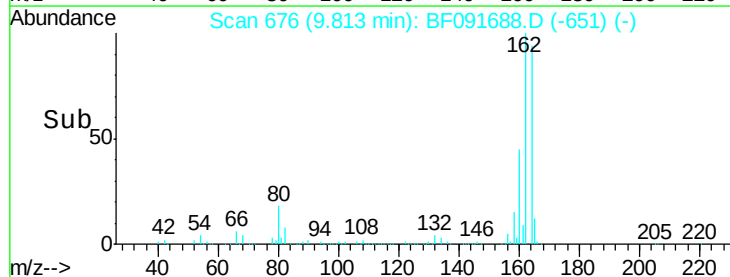
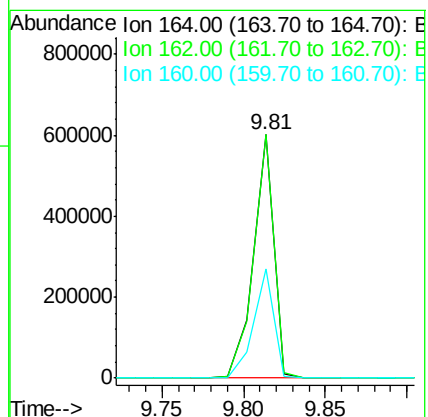
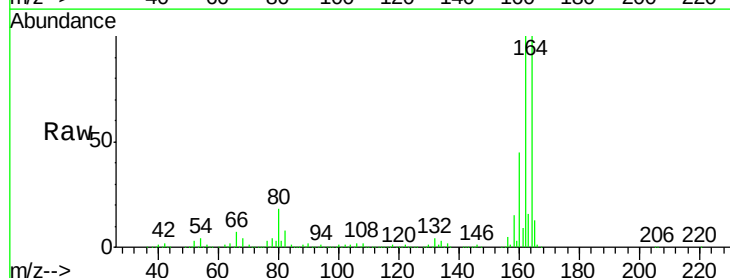
Tgt Ion:164 Resp: 521102

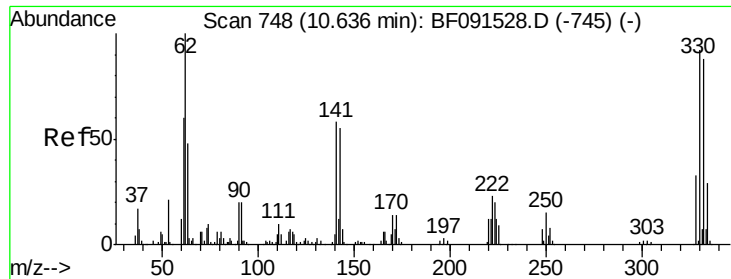
Ion Ratio Lower Upper

164 100

162 100.1 82.6 124.0

160 45.1 36.7 55.1

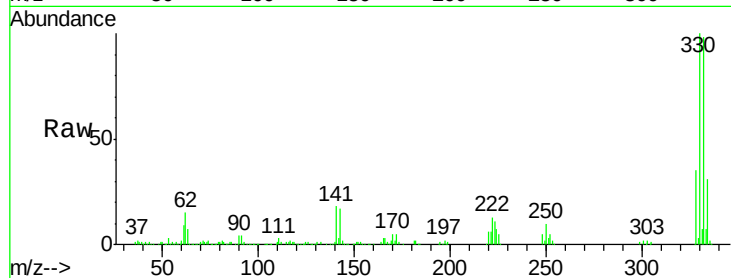




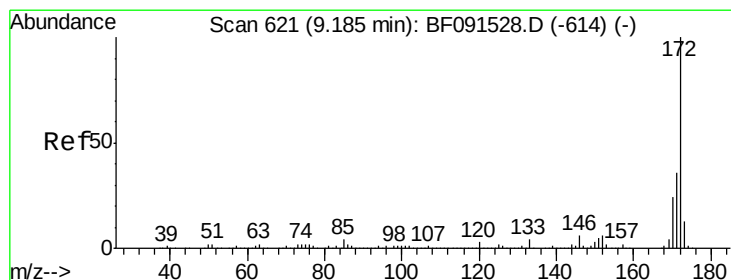
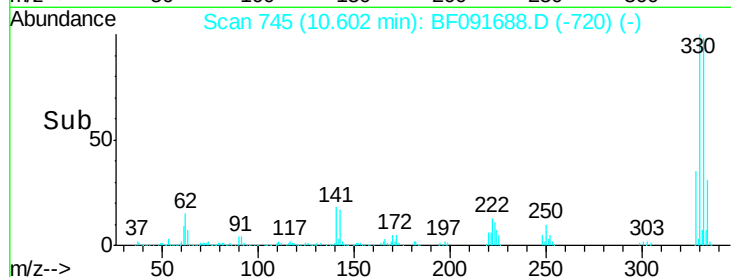
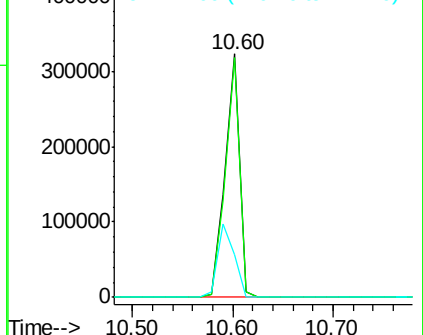
#41
 2,4,6-Tribromophenol
 Concen: 75.16 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091688.D
 Acq: 16 Dec 2016 22:22

Instrument :
 BNA_F
 ClientSampleId :
 TP12-6FT

Tot Ion:330 Resp: 325306
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.2 114.4
 141 35.3 33.6 50.4

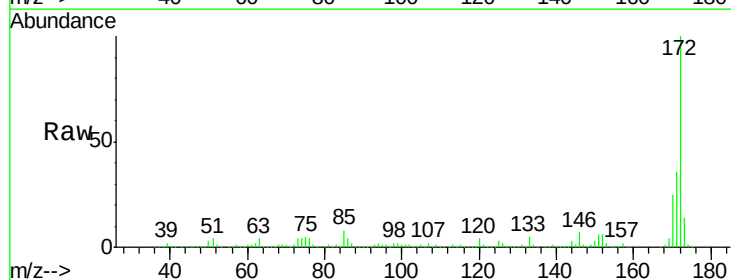


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

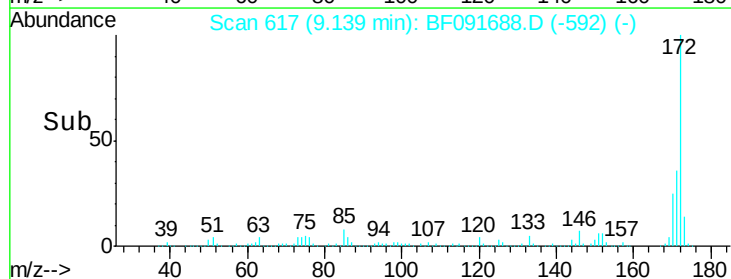
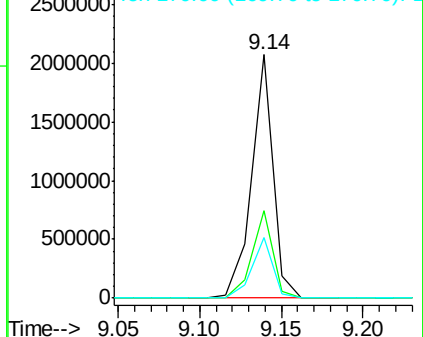


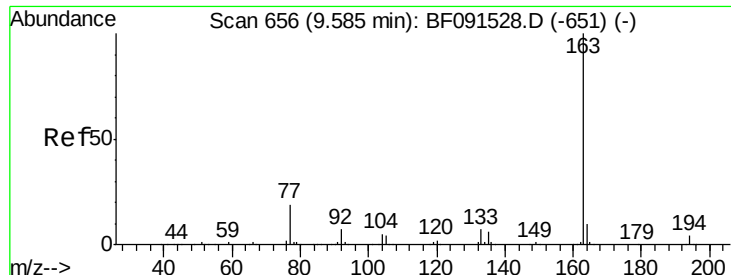
#44
 2-Fluorobiphenyl
 Concen: 62.52 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091688.D
 Acq: 16 Dec 2016 22:22

Tgt Ion:172 Resp: 1885519
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.7 19.7 29.5



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

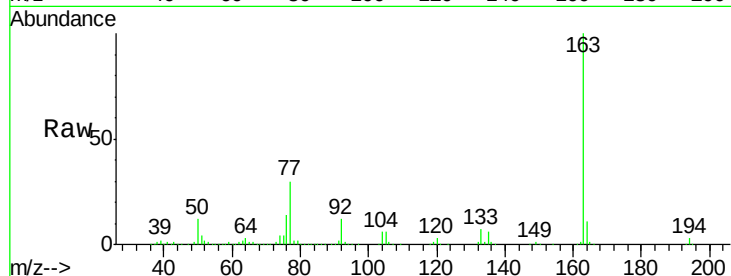




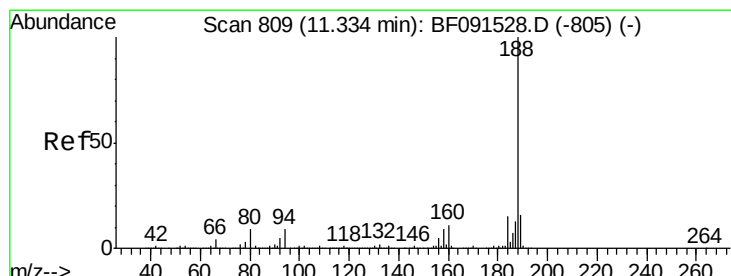
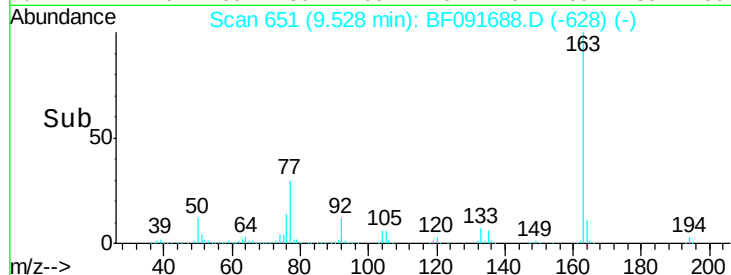
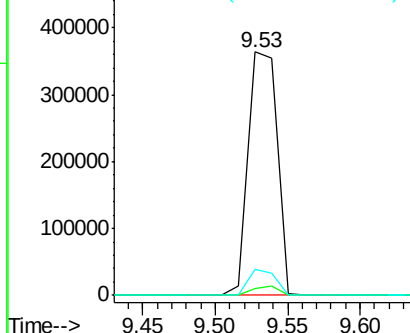
#49
Dimethylphthalate
Concen: 15.35 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.03 min
Lab File: BF091688.D
Acq: 16 Dec 2016 22:22

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Tot Ion:163 Resp: 506448
Ion Ratio Lower Upper
163 100
194 2.9 3.0 4.4#
164 10.7 7.8 11.8

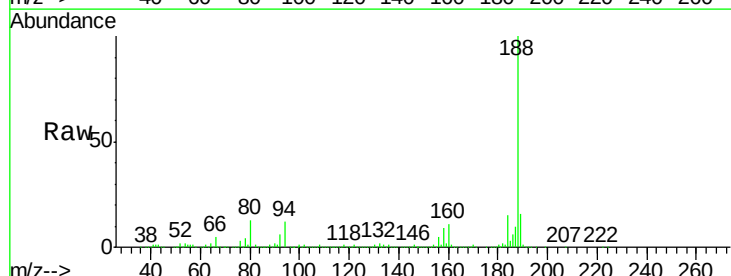


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

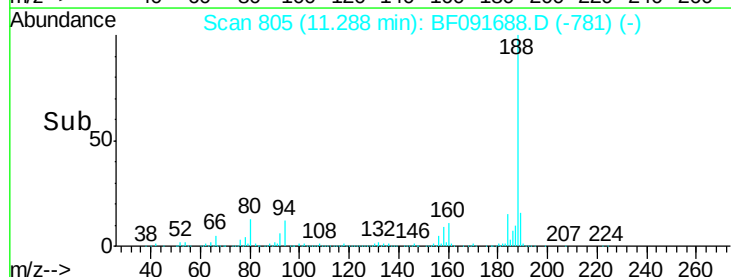
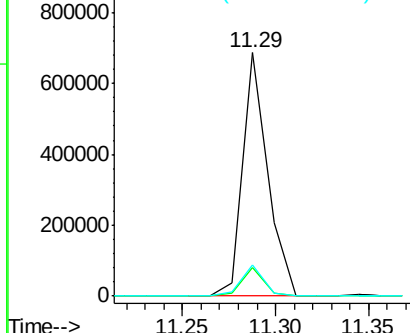


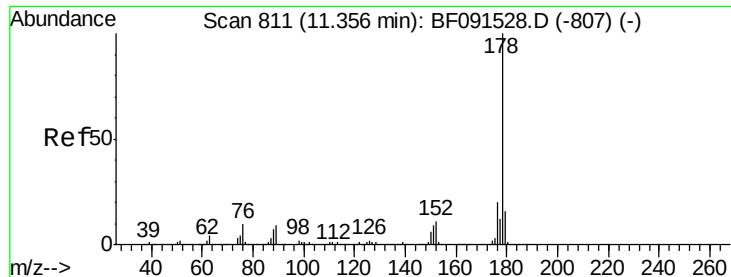
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF091688.D
Acq: 16 Dec 2016 22:22

Tgt Ion:188 Resp: 643593
Ion Ratio Lower Upper
188 100
94 11.8 9.2 13.8
80 13.0 10.5 15.7



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

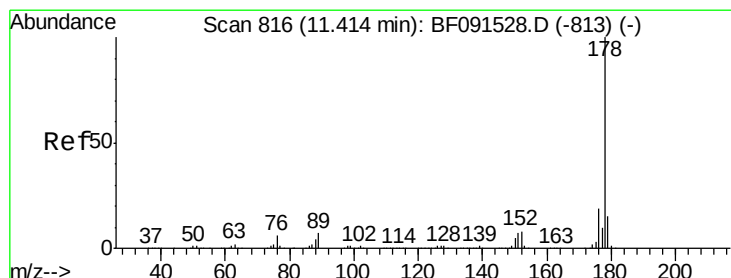
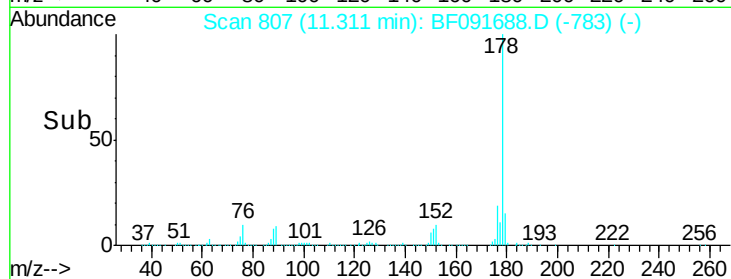
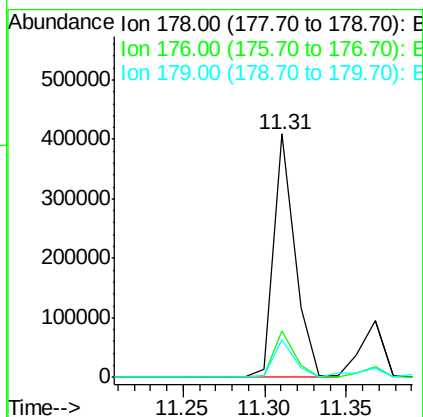
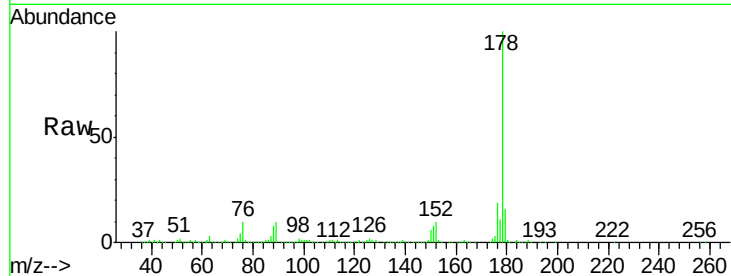




#70
Phenanthrene
Concen: 11.73 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF091688.D
Acq: 16 Dec 2016 22:22

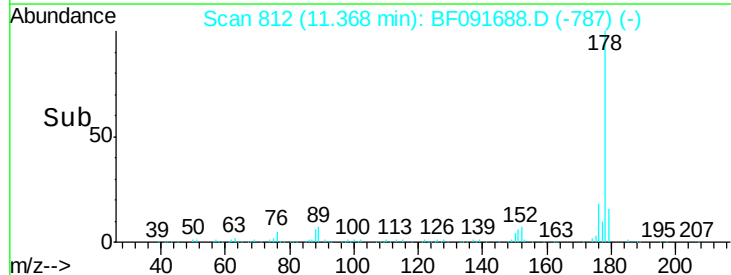
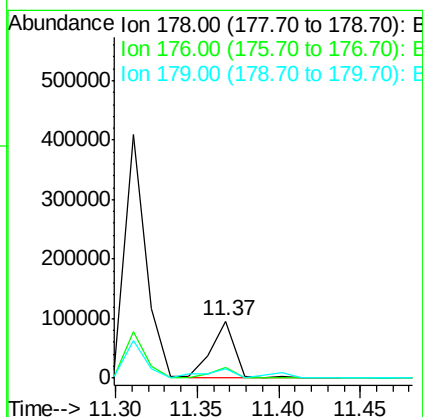
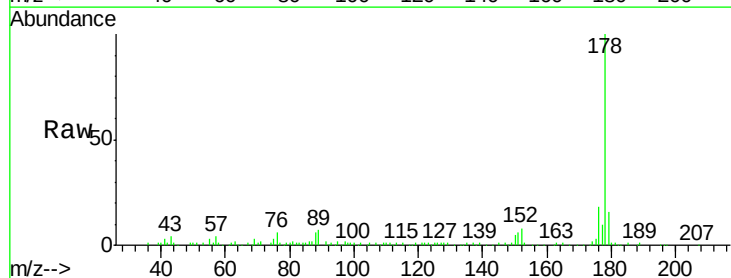
Instrument :
BNA_F
ClientSampleId :
TP12-6FT

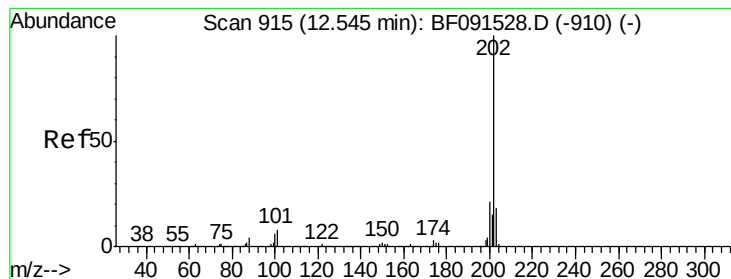
Tot Ion:178 Resp: 373891
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.5 12.6 18.8



#71
Anthracene
Concen: 2.81 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF091688.D
Acq: 16 Dec 2016 22:22

Tgt Ion:178 Resp: 96505
Ion Ratio Lower Upper
178 100
176 17.7 15.8 23.6
179 15.9 12.7 19.1

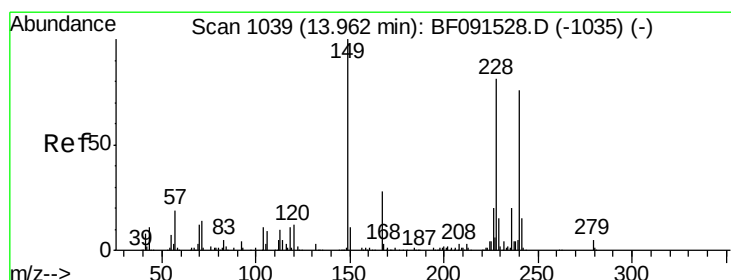
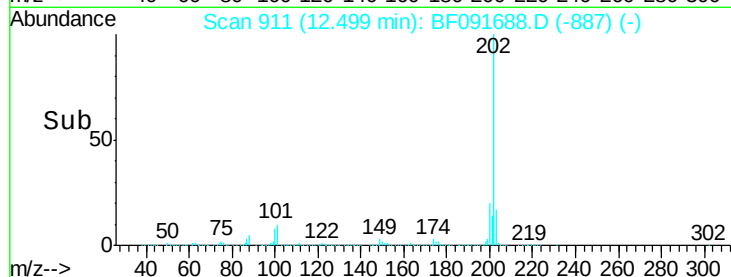
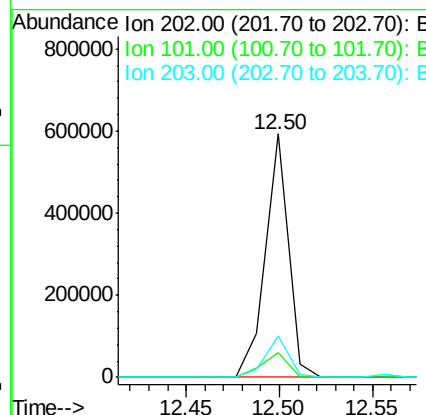
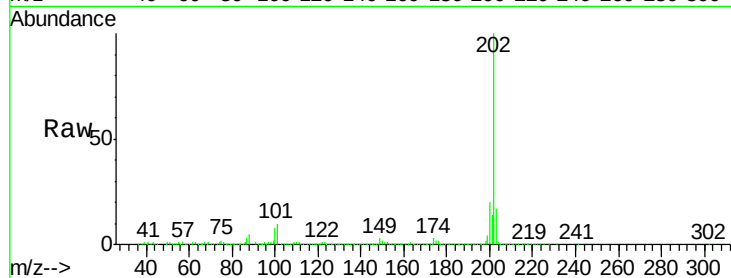




#74
 Fluoranthene
 Concen: 15.07 ng
 RT: 12.50 min Scan# 911
 Delta R.T. -0.02 min
 Lab File: BF091688.D
 Acq: 16 Dec 2016 22:22

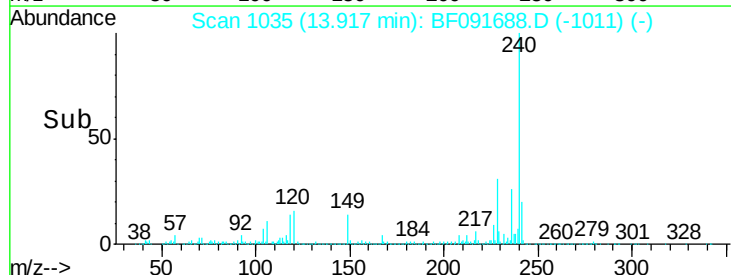
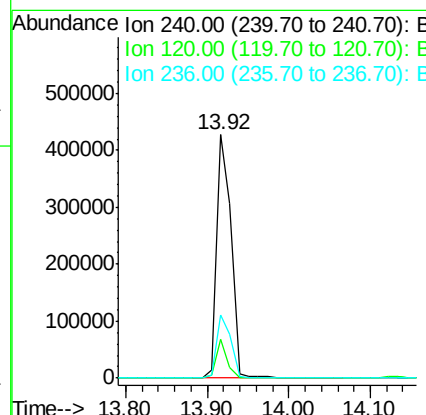
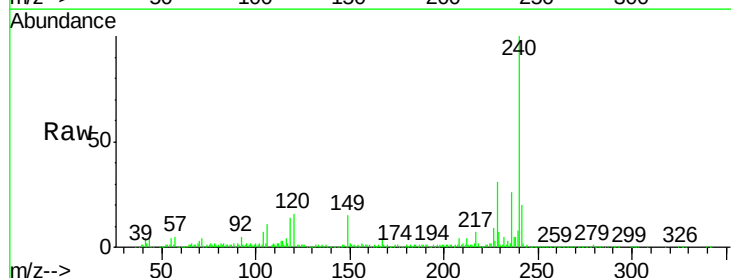
Instrument :
 BNA_F
 ClientSampleId :
 TP12-6FT

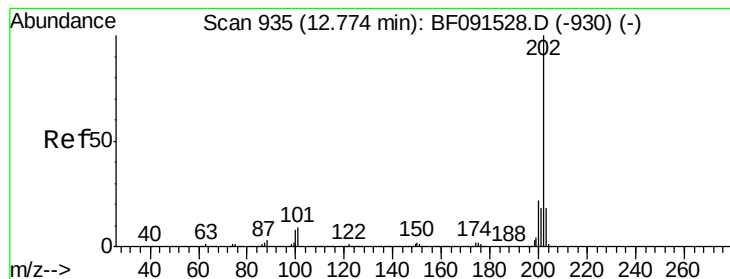
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	29.5
203	17.2	0.0	37.8



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.02 min
 Lab File: BF091688.D
 Acq: 16 Dec 2016 22:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.8	12.1	18.1
236	25.7	21.0	31.6





#77

Pvrene

Concen: 10.15 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Instrument :

BNA_F

ClientSampleId :

TP12-6FT

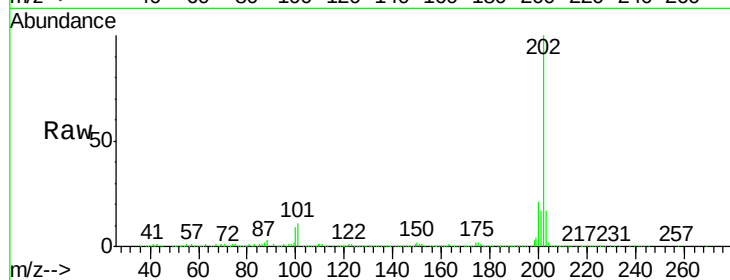
Tot Ion:202 Resp: 420722

Ion Ratio Lower Upper

202 100

200 21.4 17.6 26.4

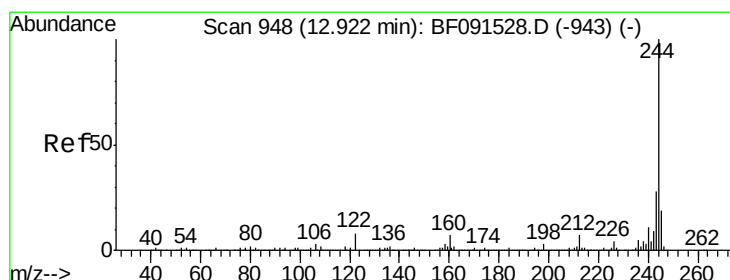
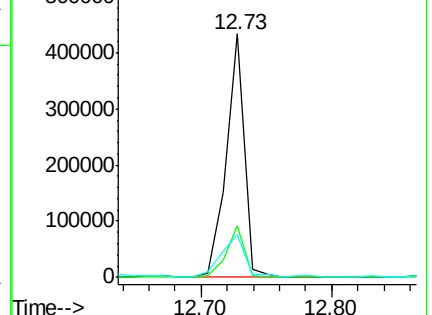
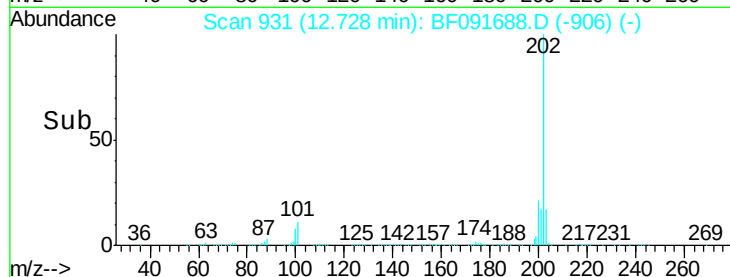
203 17.3 14.0 21.0



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: 56.41 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

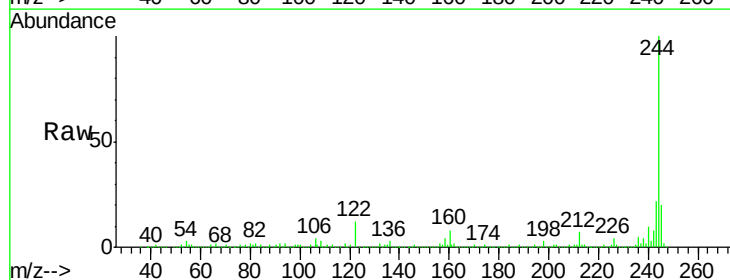
Tgt Ion:244 Resp: 1298388

Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

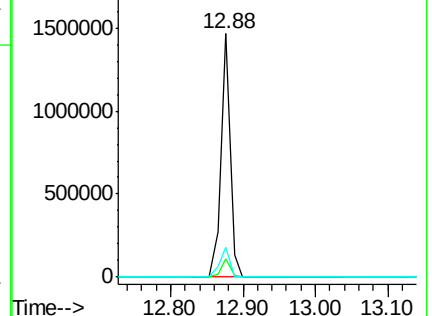
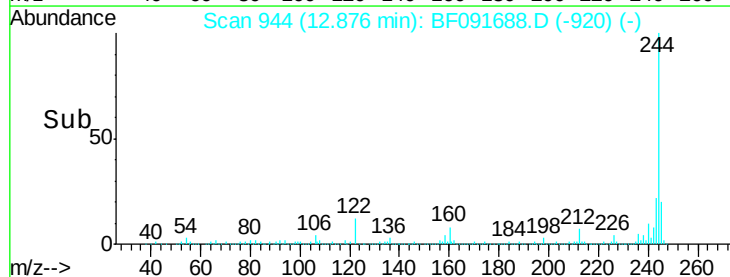
122 12.2 9.5 14.3

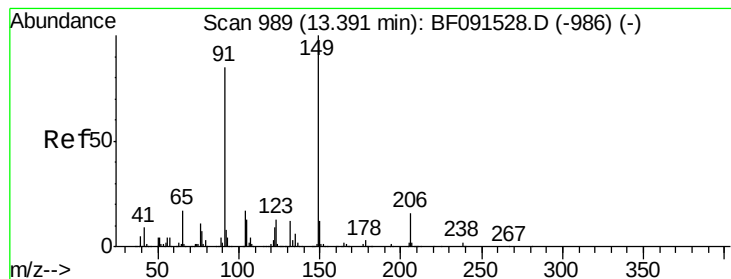


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 5.38 ng/mL

RT: 13.36 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Instrument :

BNA_F

ClientSampleId :

TP12-6FT

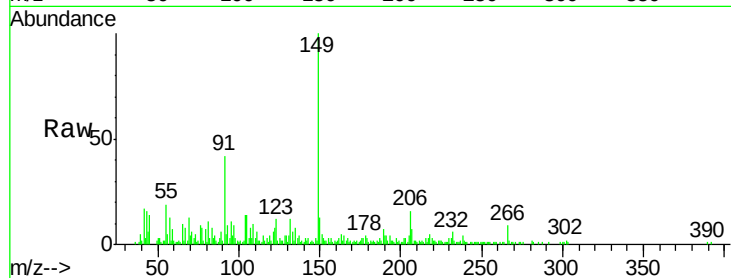
Tot Ion:149 Resp: 86898

Ion Ratio Lower Upper

149 100

91 42.5 57.4 86.2#

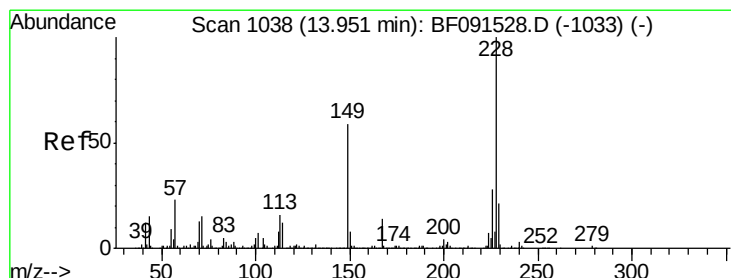
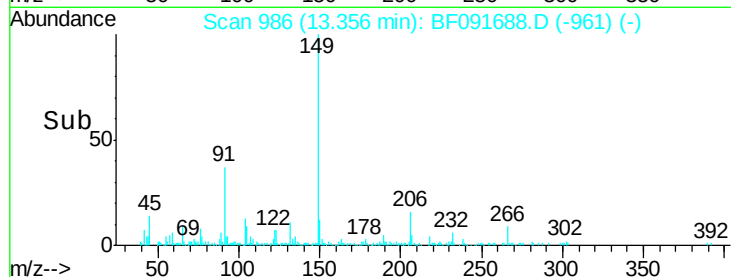
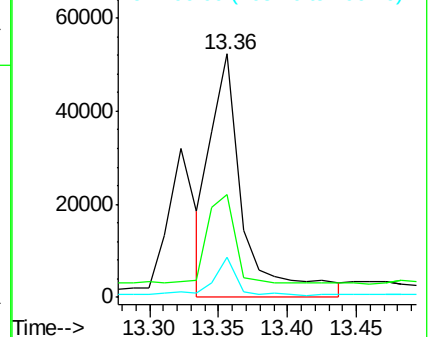
206 16.3 15.4 23.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E



#80

Benzo(a)anthracene

Concen: 7.32 ng/mL

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

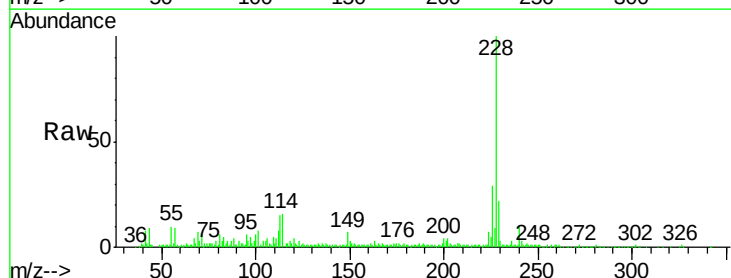
Tgt Ion:228 Resp: 222178

Ion Ratio Lower Upper

228 100

226 28.6 22.5 33.7

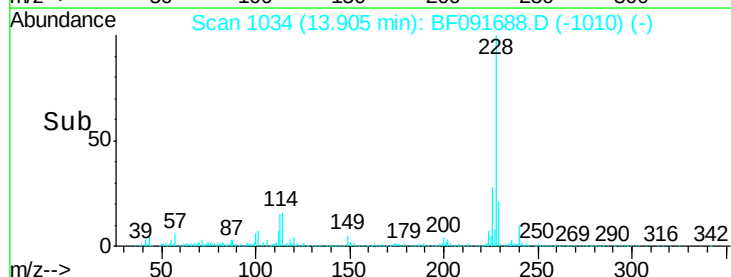
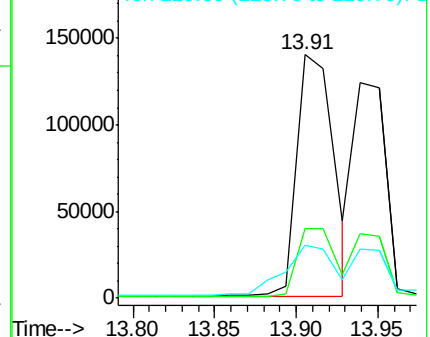
229 21.8 16.4 24.6

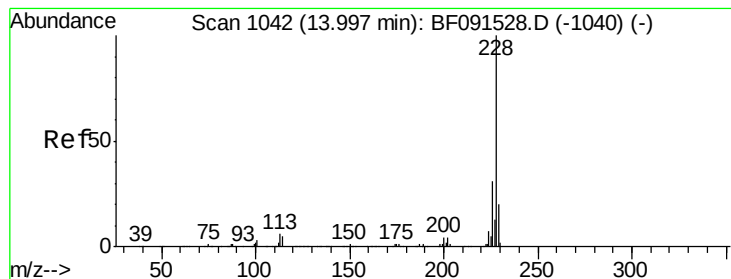


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.55 ng/mL

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Instrument :

BNA_F

ClientSampleId :

TP12-6FT

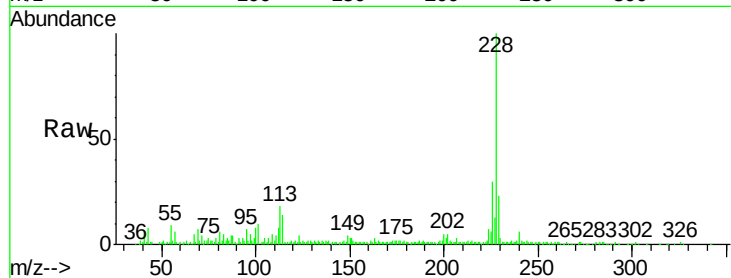
Tot Ion: 228 Resp: 176010

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.4

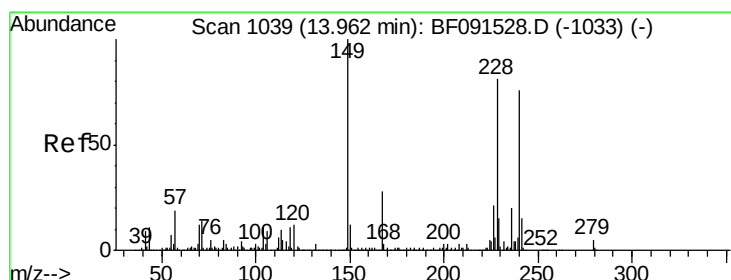
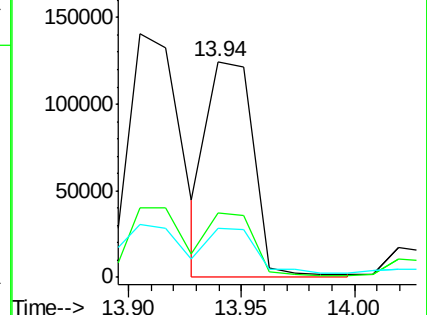
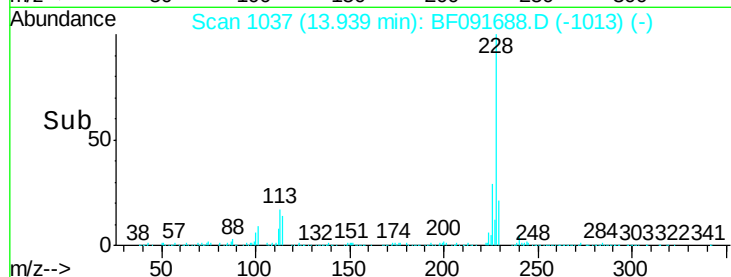
229 22.7 16.0 24.0



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.73 ng/mL

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

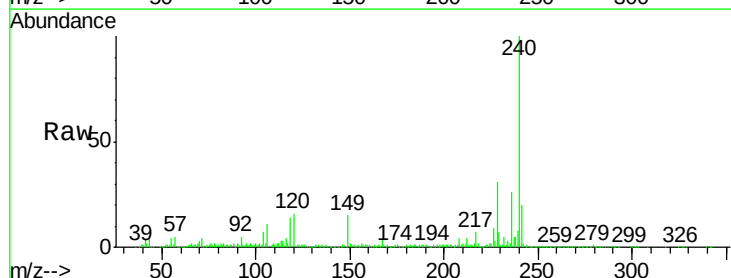
Tgt Ion: 149 Resp: 56502

Ion Ratio Lower Upper

149 100

167 26.8 19.6 29.4

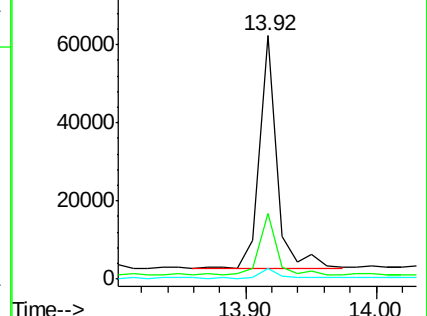
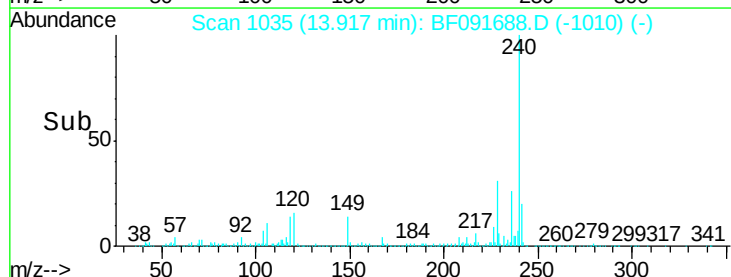
279 4.1 1.9 2.9#

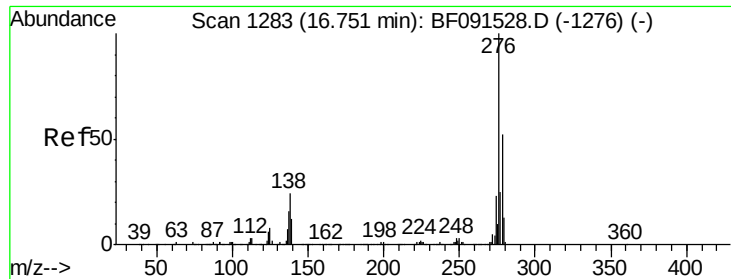


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.35 ng

RT: 16.67 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Instrument :

BNA_F

ClientSampleId :

TP12-6FT

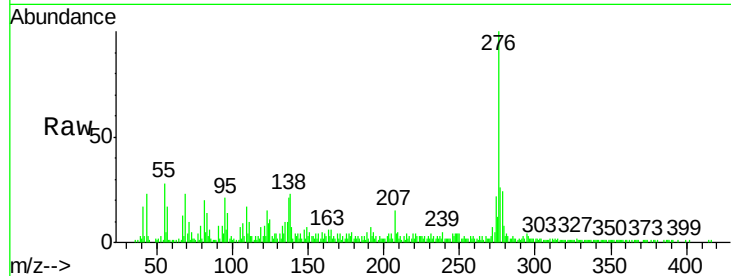
Tot Ion:276 Resp: 95598

Ion Ratio Lower Upper

276 100

138 23.8 21.0 31.4

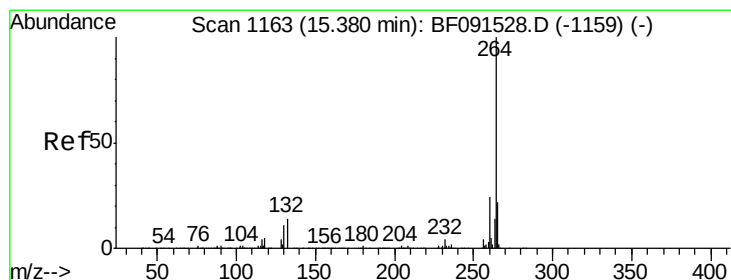
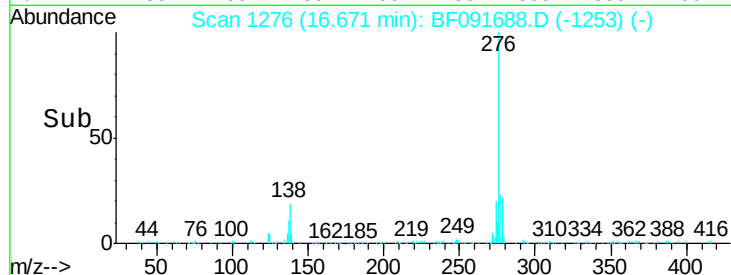
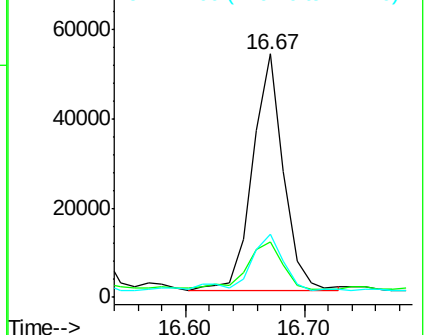
277 27.5 20.2 30.2



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: 15.32 min Scan# 1158

Delta R.T. -0.02 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

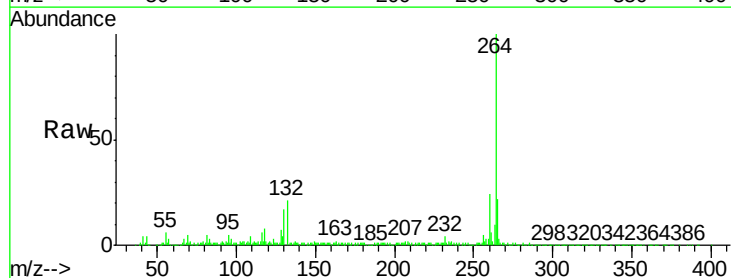
Tgt Ion:264 Resp: 469726

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

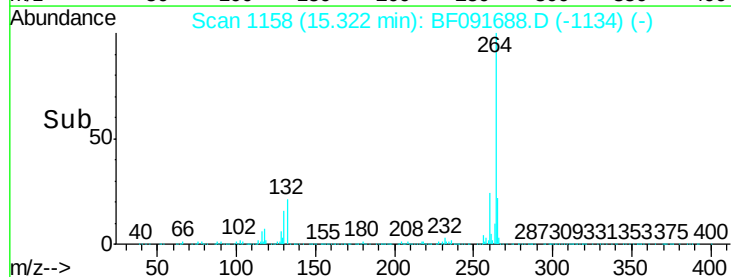
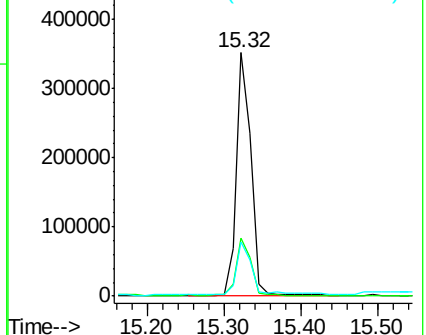
265 22.2 17.0 25.6

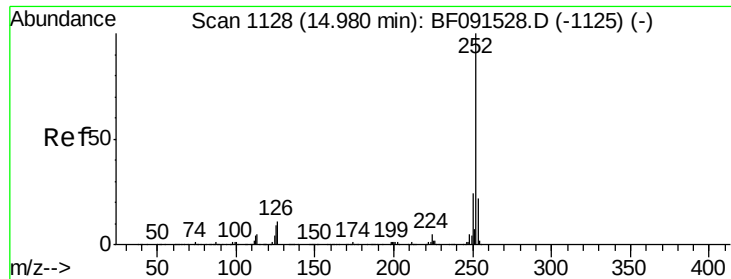


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.72 ng m

RT: 14.93 min Scan# 1124

Delta R.T. -0.01 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

Instrument :

BNA_F

ClientSampleId :

TP12-6FT

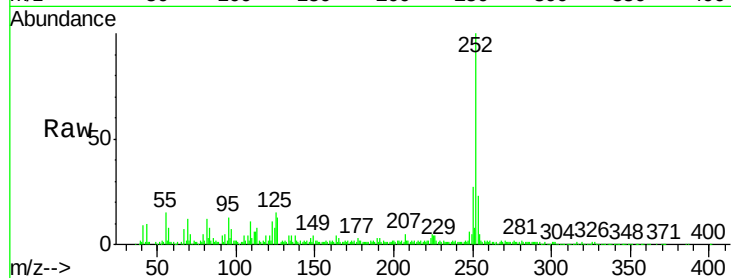
Tot Ion:252 Resp: 272220

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.2

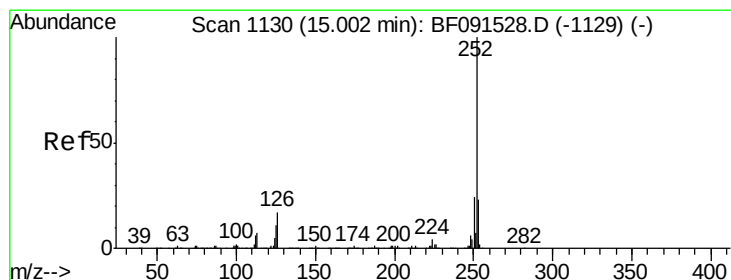
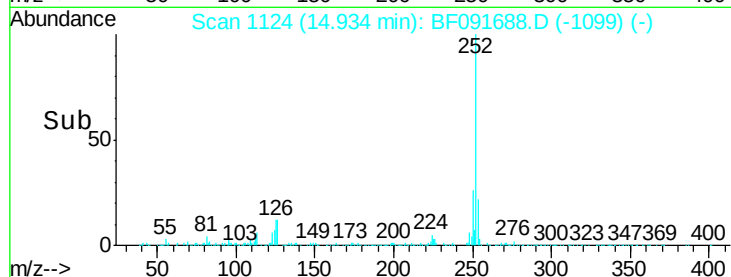
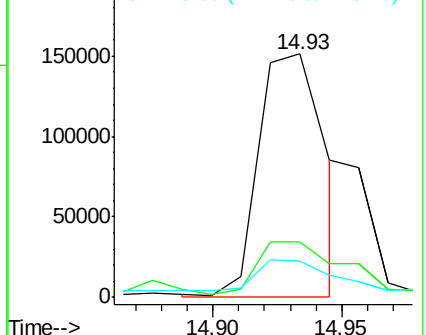
125 14.6 8.6 13.0#



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: 2.75 ng m

RT: 14.95 min Scan# 1125

Delta R.T. -0.03 min

Lab File: BF091688.D

Acq: 16 Dec 2016 22:22

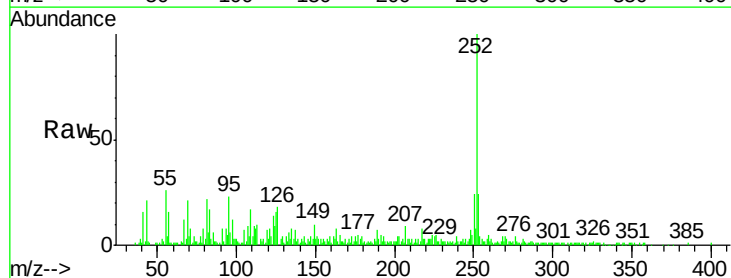
Tgt Ion:252 Resp: 67682

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

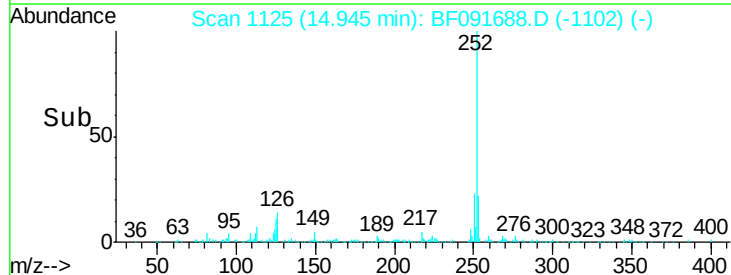
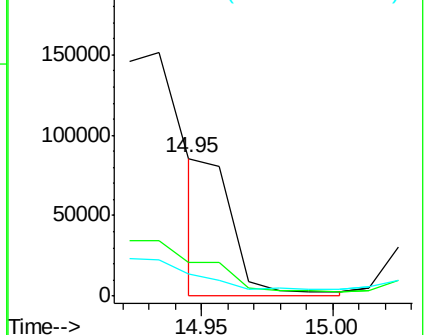
125 16.0 9.6 14.4#

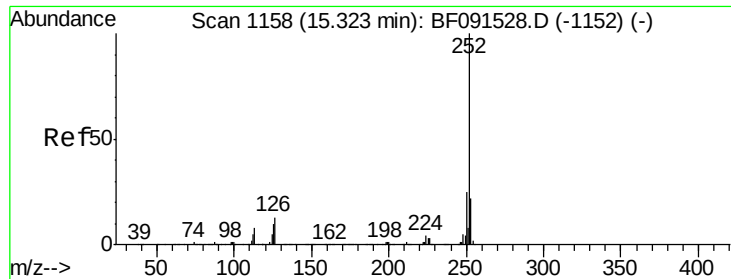


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

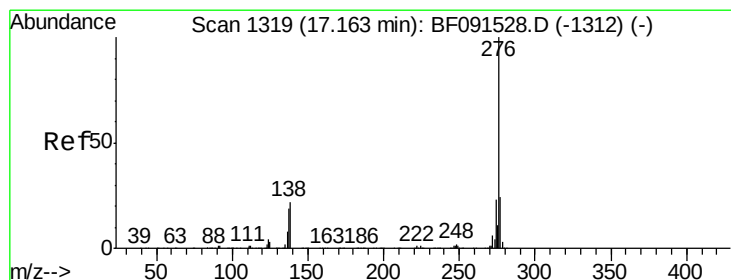
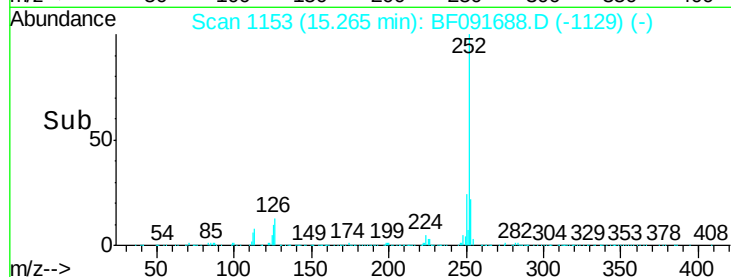
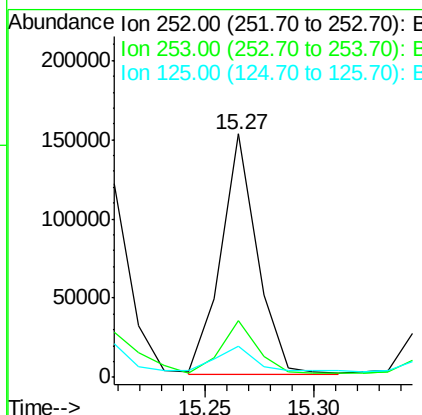
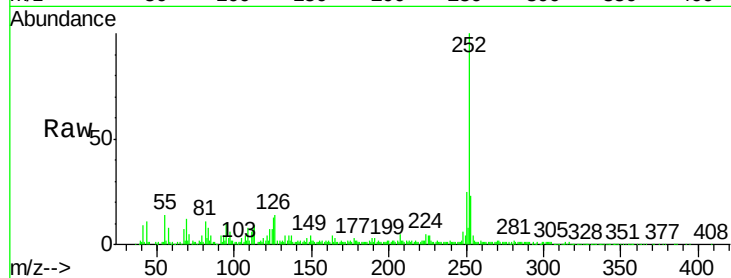




#89
Benzo(a)pyrene
Concen: 6.95 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.02 min
Lab File: BF091688.D
Acq: 16 Dec 2016 22:22

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	12.7	10.4	15.6



#91
Benzo(g,h,i)perylene
Concen: 4.56 ng
RT: 17.07 min Scan# 1311
Delta R.T. -0.05 min
Lab File: BF091688.D
Acq: 16 Dec 2016 22:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	23.7	15.4	23.0

