

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
 Data File : BF091766.D
 Acq On : 19 Dec 2016 5:47
 Operator : UM/SJ
 Sample : H6006-17DL 20X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-0-5DL2

Quant Time: Dec 19 06:27:40 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 17 22:53:54 2016
 Response via : Initial Calibration

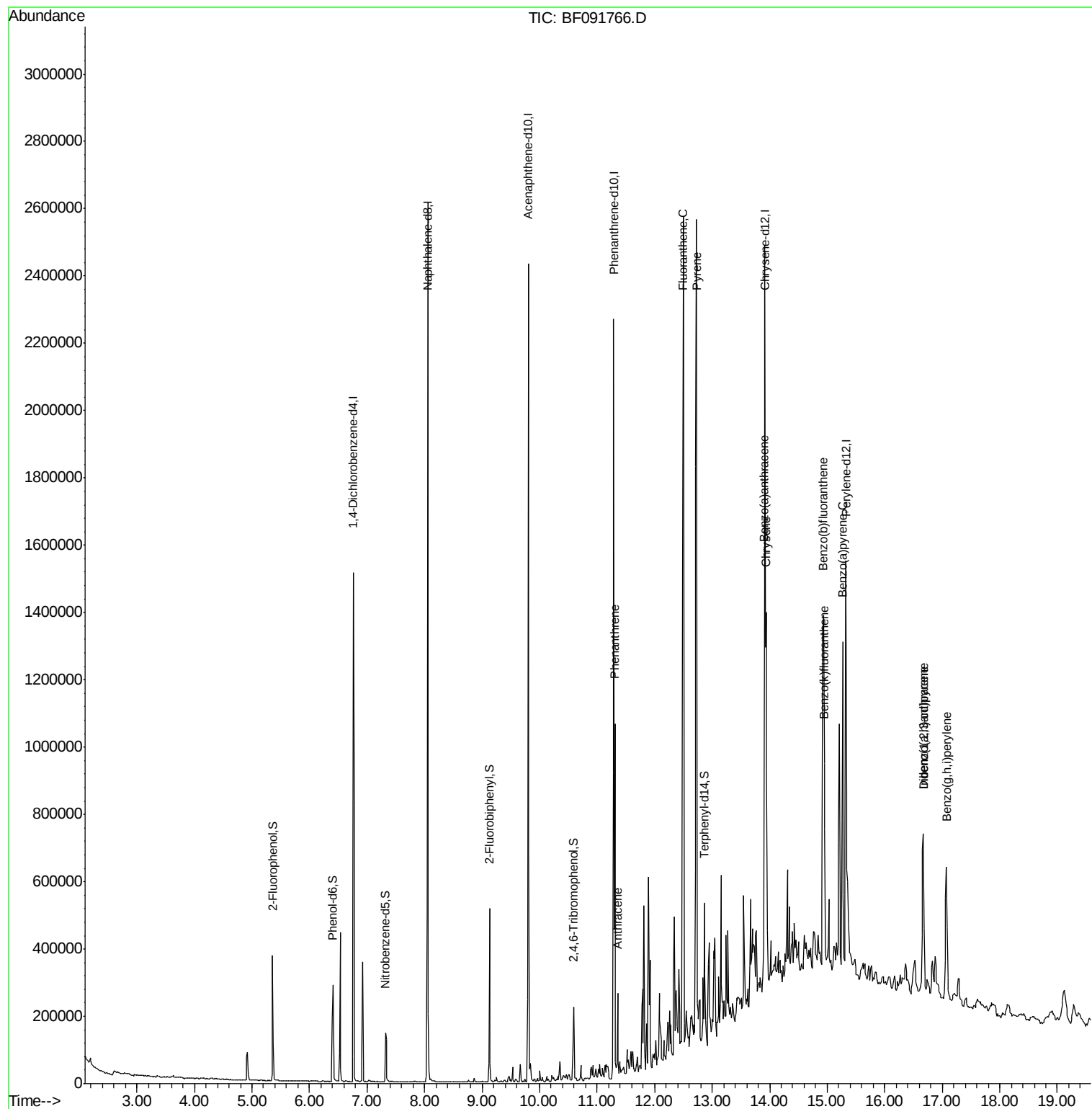
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	277486m	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	1156934	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	559256	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	911825	20.00	ng	0.00
75) Chrysene-d12	13.92	240	562301	20.00	ng	-0.01
86) Perylene-d12	15.32	264	555058	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	108777	6.57	ng	-0.01
7) Phenol-d6	6.41	99	133141	6.59	ng	-0.01
23) Nitrobenzene-d5	7.32	82	74913	3.73	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	27891	5.88	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	159113	5.72	ng	-0.01
78) Terphenyl-d14	12.87	244	117395	5.27	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.31	178	423158	9.29	ng	97
71) Anthracene	11.36	178	101085	2.09	ng	95
74) Fluoranthene	12.50	202	1192141	25.05	ng	93
77) Pyrene	12.73	202	1311690	32.30	ng	98
80) Benzo(a)anthracene	13.91	228	614316	19.10	ng	98
82) Chrysene	13.94	228	494565m	14.83	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	348913	10.64	ng	96
87) Benzo(b)fluoranthene	14.93	252	718001m	20.40	ng	
88) Benzo(k)fluoranthene	14.95	252	156051m	6.32	ng	
89) Benzo(a)pyrene	15.27	252	474890	15.72	ng	99
90) Dibenzo(a,h)anthracene	16.67	278	98199	3.73	ng	95
91) Benzo(a,h,i)perylene	17.07	276	314758	11.76	ng	97

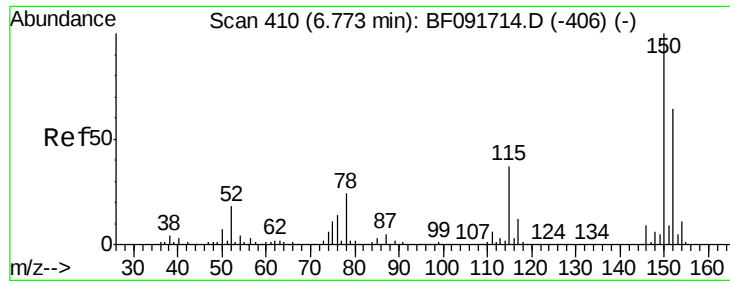
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

Instrument :

BNA_F

ClientSampleId :

WC-1-0-5DL2

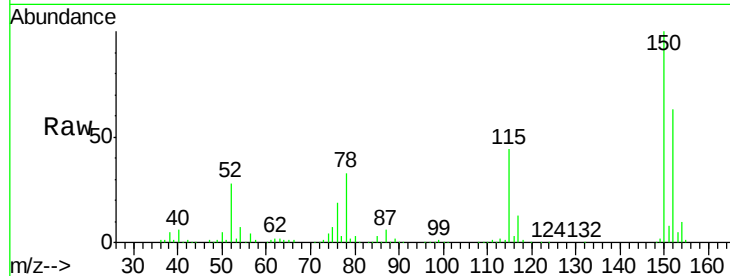
Tot Ion:152 Resp: 277486

Ion Ratio Lower Upper

152 100

150 159.0 124.9 187.3

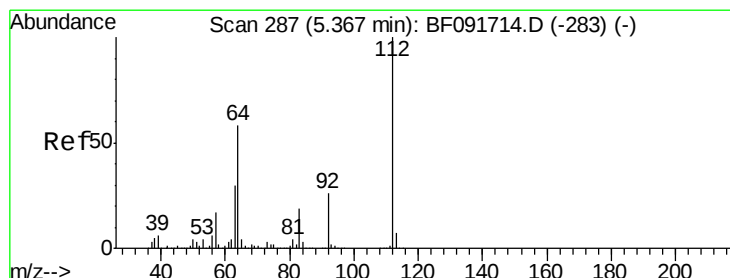
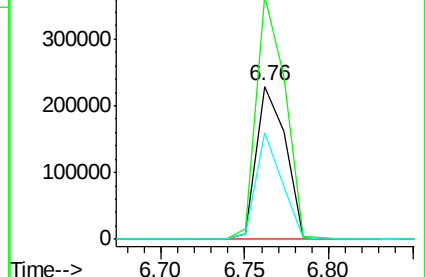
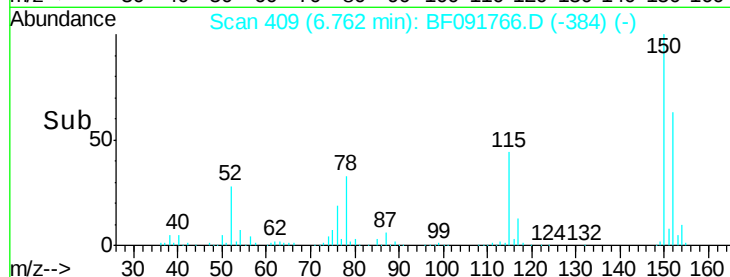
115 69.7 46.0 69.0#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 6.57 ng

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

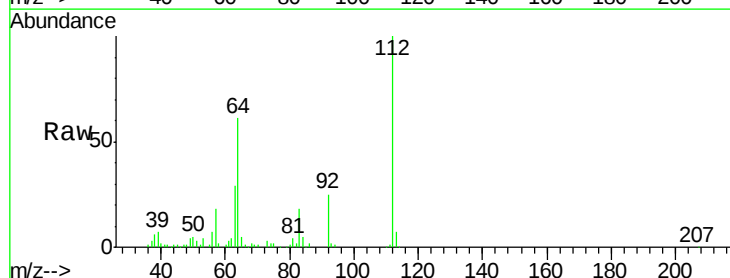
Tgt Ion:112 Resp: 108777

Ion Ratio Lower Upper

112 100

64 61.0 46.1 69.1

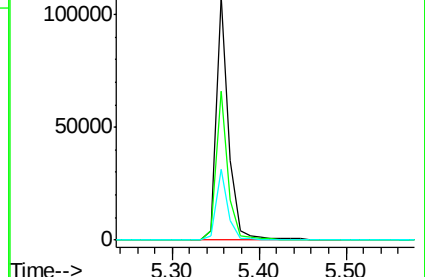
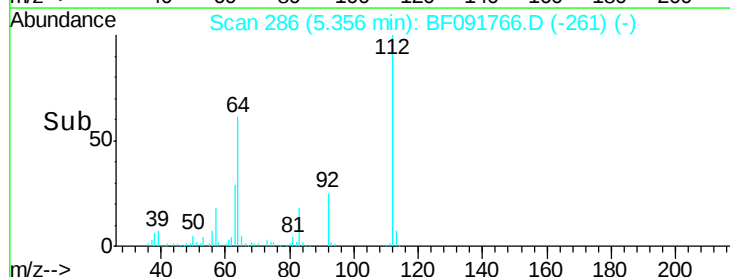
63 29.3 23.8 35.6

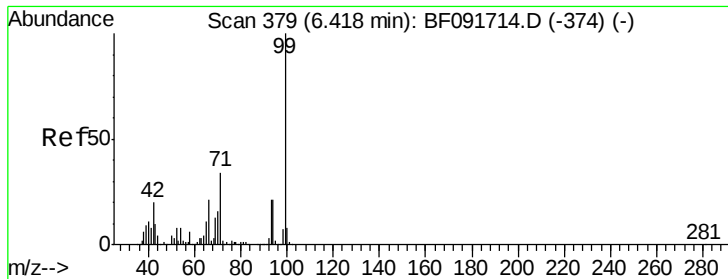


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 6.59 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

Instrument :

BNA_F

ClientSampleId :

WC-1-0-5DL2

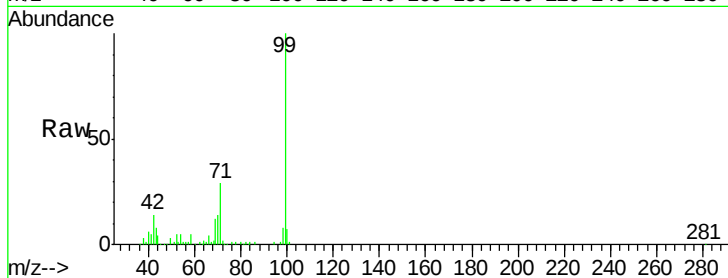
Tot Ion: 99 Resp: 133141

Ion Ratio Lower Upper

99 100

42 13.7 15.6 23.4#

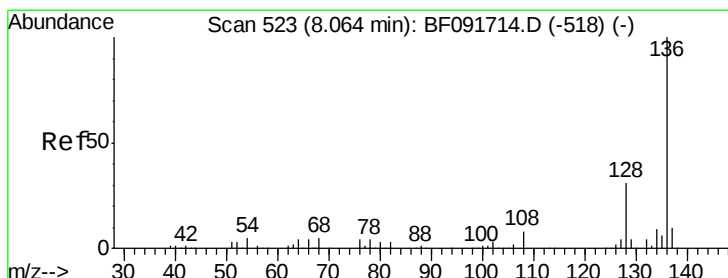
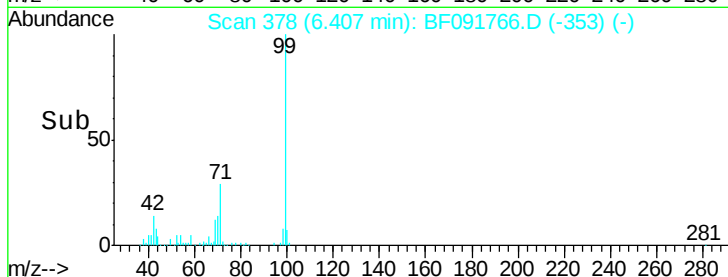
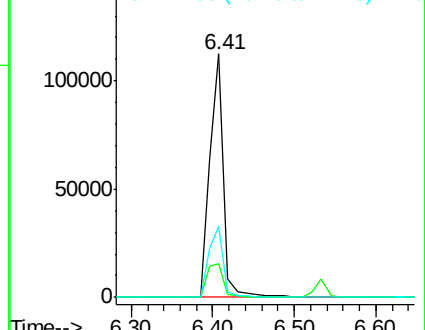
71 29.2 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

Tgt Ion: 136 Resp: 1156934

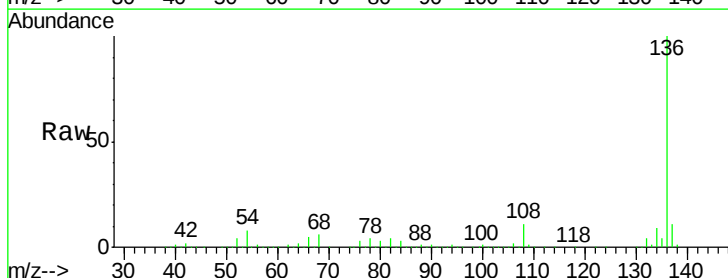
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 8.0 4.5 6.7#

68 6.2 3.6 5.4#

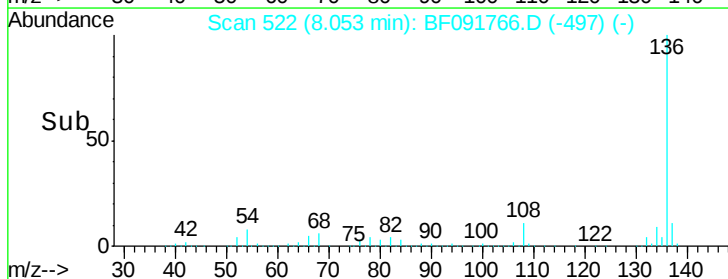
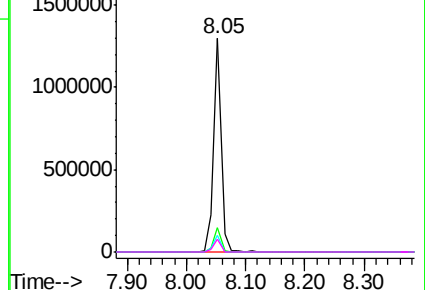


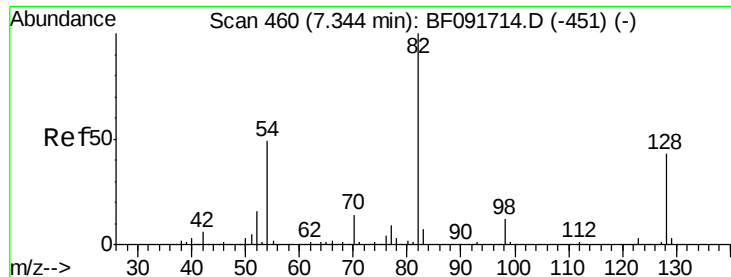
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

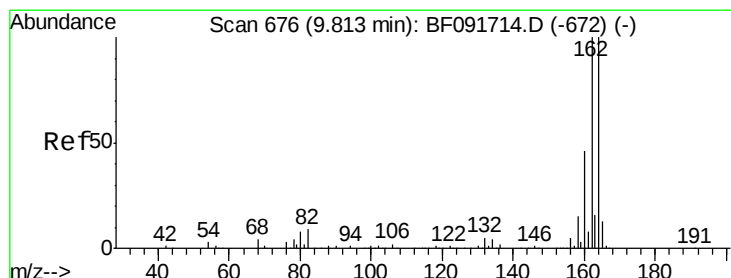
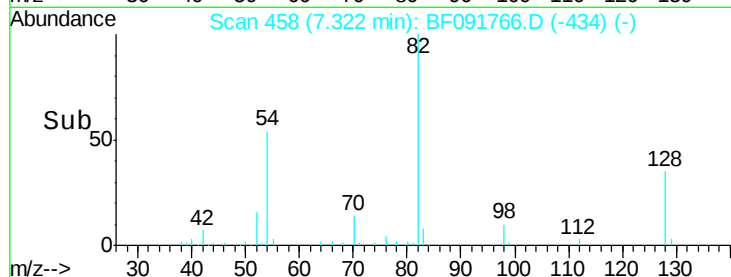
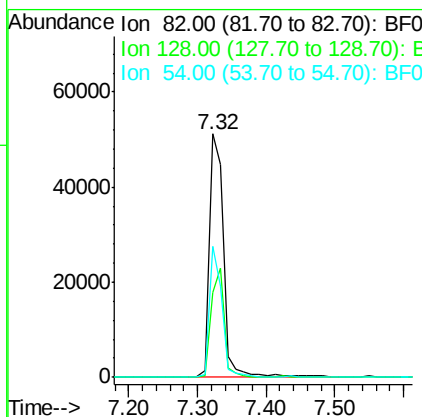
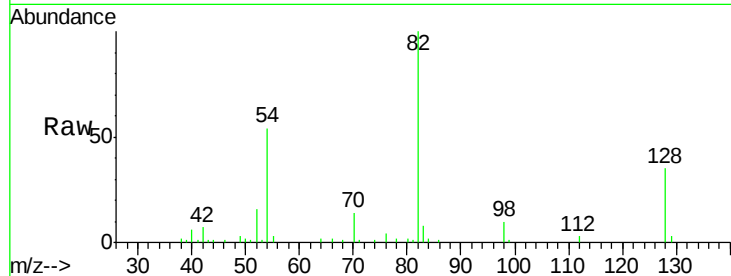




#23
 Nitrobenzene-d5
 Concen: 3.73 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091766.D
 Acq: 19 Dec 2016 5:47

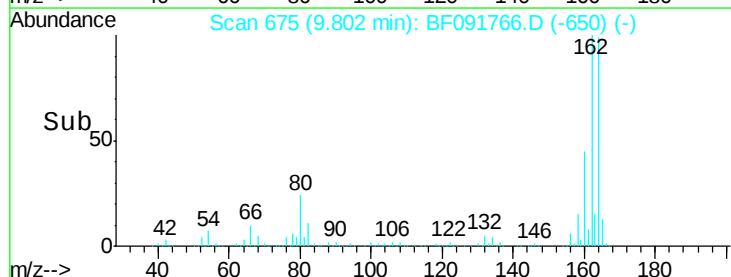
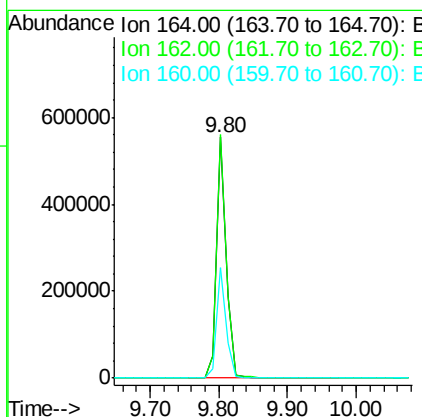
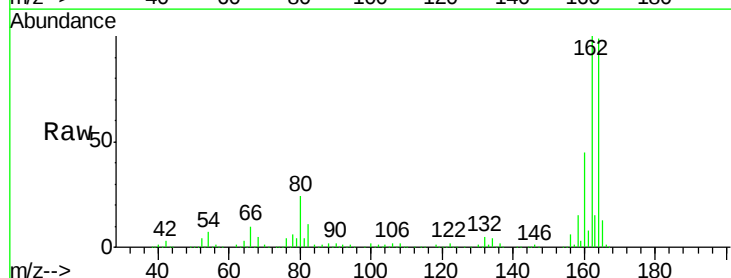
Instrument :
 BNA_F
 ClientSampleId :
 WC-1-0-5DL2

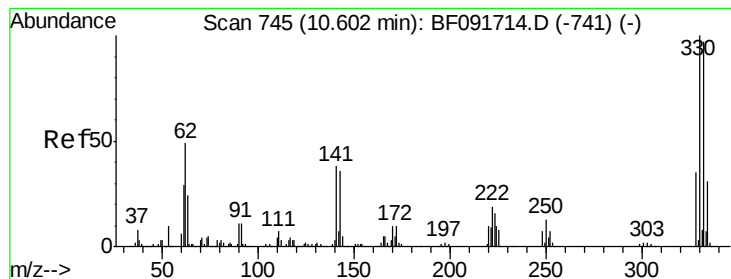
Tot Ion: 82 Resp: 74913
 Ion Ratio Lower Upper
 82 100
 128 34.7 34.6 52.0
 54 53.8 39.5 59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF091766.D
 Acq: 19 Dec 2016 5:47

Tgt Ion: 164 Resp: 559256
 Ion Ratio Lower Upper
 164 100
 162 101.1 80.2 120.2
 160 45.7 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 5.88 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

Instrument :

BNA_F

ClientSampleId :

WC-1-0-5DL2

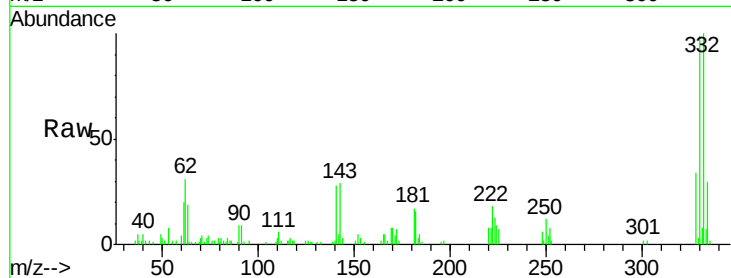
Tot Ion:330 Resp: 27891

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

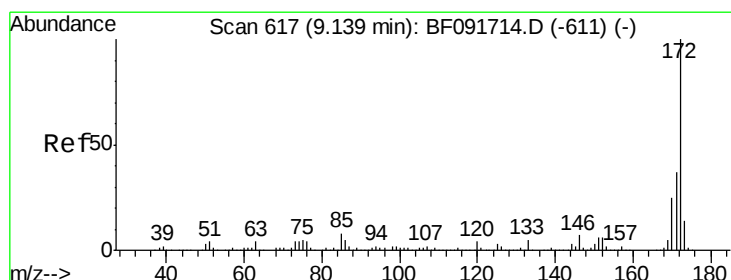
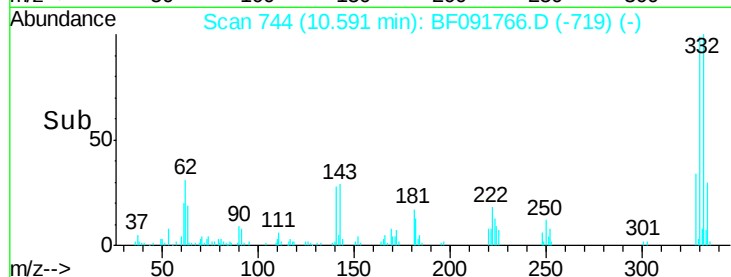
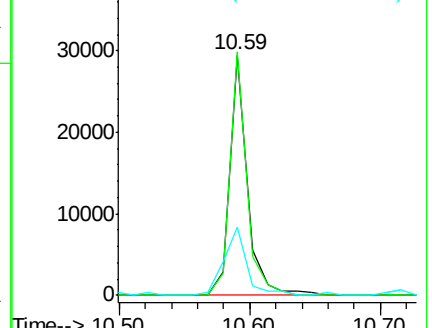
141 36.9 34.1 51.1



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 5.72 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

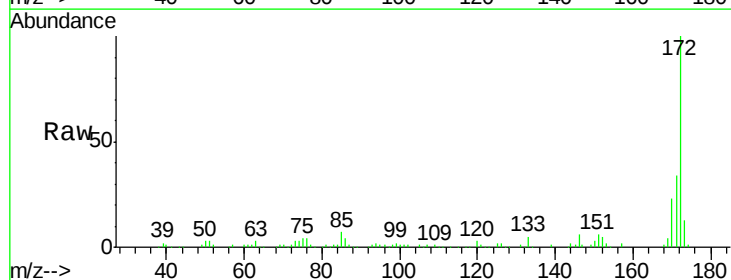
Tgt Ion:172 Resp: 159113

Ion Ratio Lower Upper

172 100

171 33.6 29.4 44.0

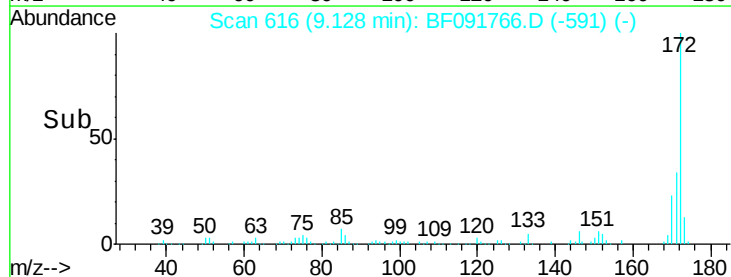
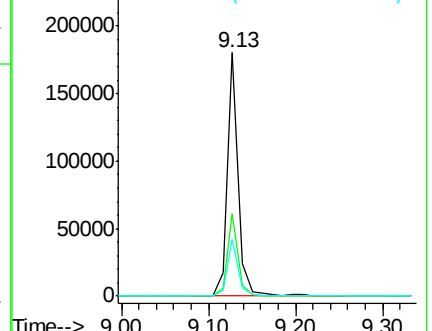
170 23.5 20.2 30.4

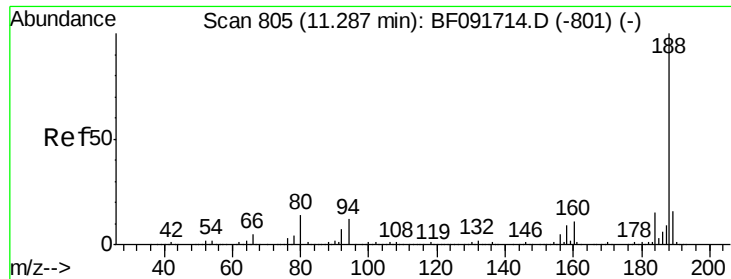


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

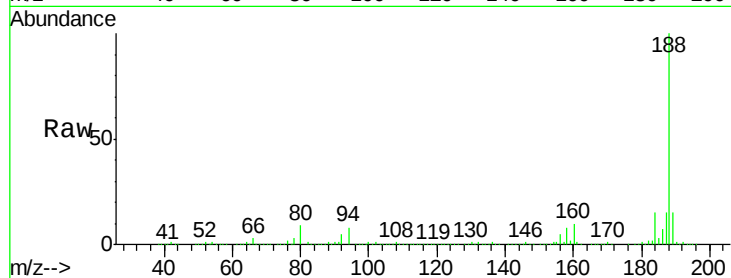




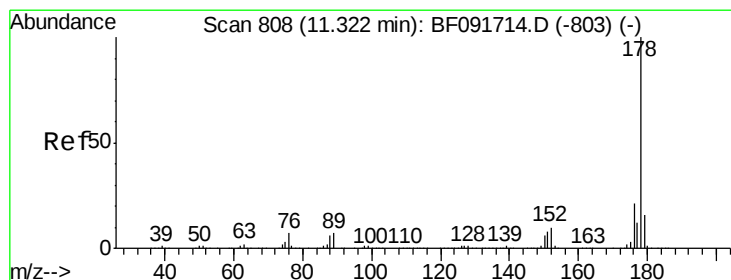
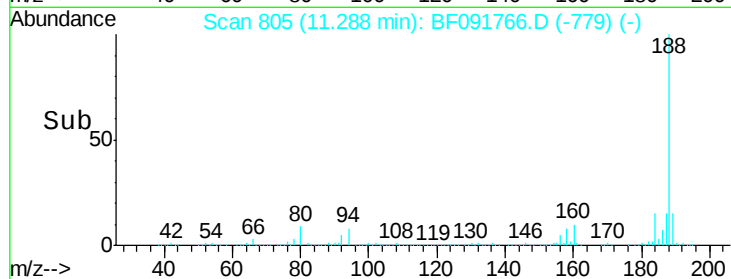
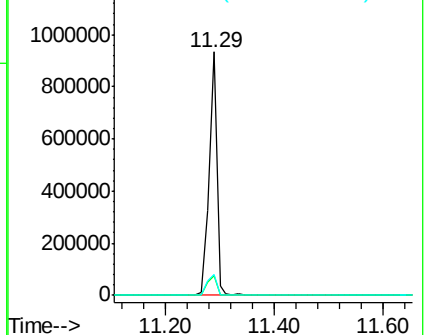
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF091766.D
Acq: 19 Dec 2016 5:47

Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL2

Tot Ion:188 Resp: 911825
Ion Ratio Lower Upper
188 100
94 7.9 10.0 15.0#
80 8.7 11.2 16.8#

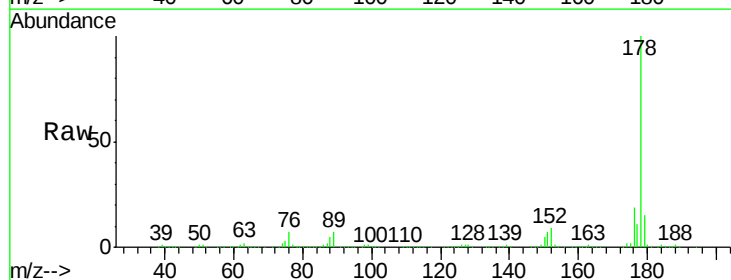


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

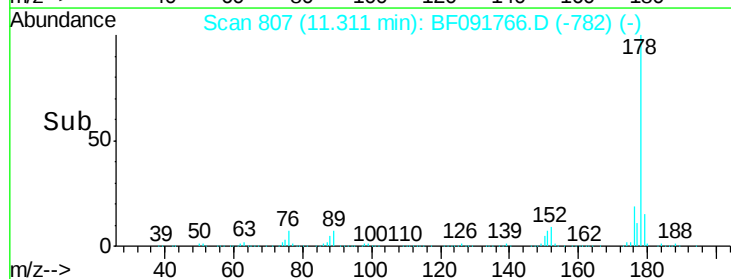
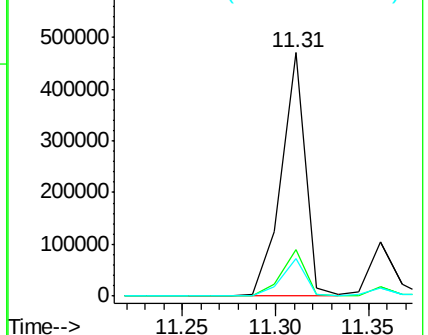


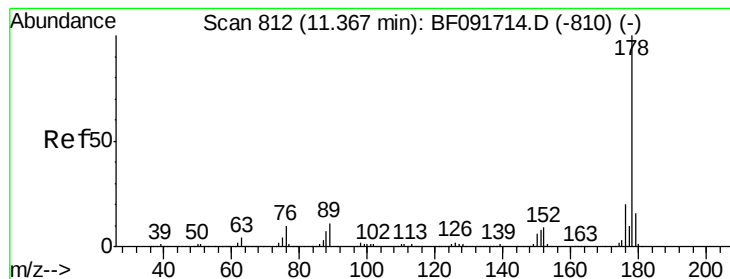
#70
Phenanthrene
Concen: 9.29 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF091766.D
Acq: 19 Dec 2016 5:47

Tgt Ion:178 Resp: 423158
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 15.2 12.8 19.2



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





#71

Anthracene

Concen: 2.09 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

Instrument :

BNA_F

ClientSampleId :

WC-1-0-5DL2

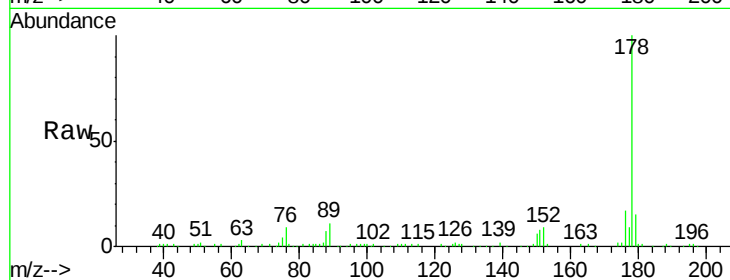
Tot Ion:178 Resp: 101085

Ion Ratio Lower Upper

178 100

176 17.4 15.9 23.9

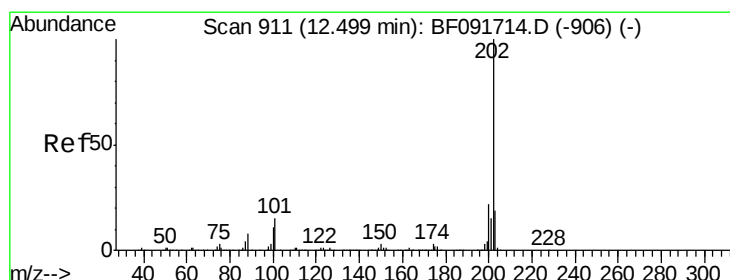
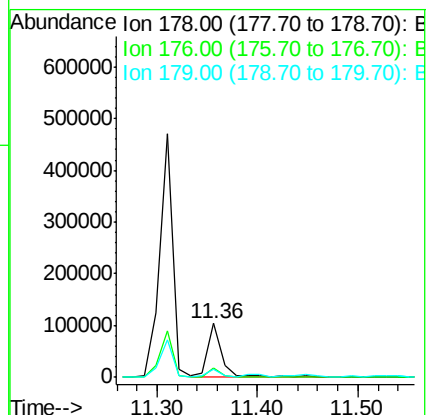
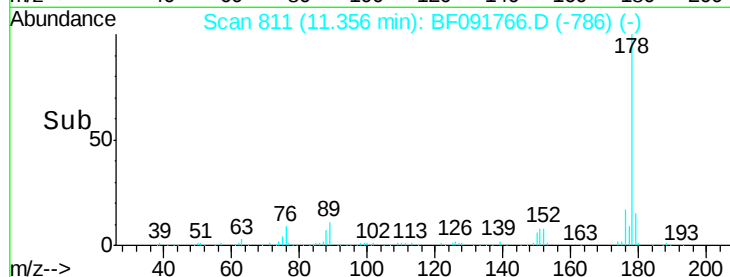
179 15.0 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 25.05 ng

RT: 12.50 min Scan# 911

Delta R.T. 0.00 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

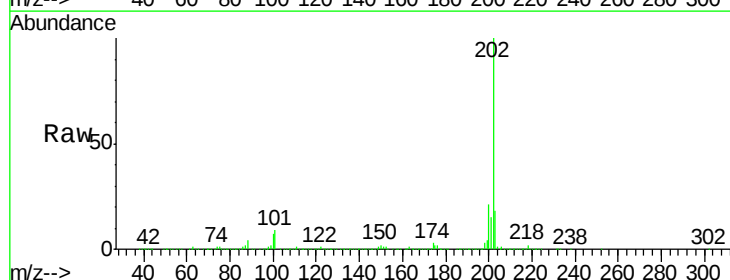
Tgt Ion:202 Resp: 1192141

Ion Ratio Lower Upper

202 100

101 9.3 0.0 34.6

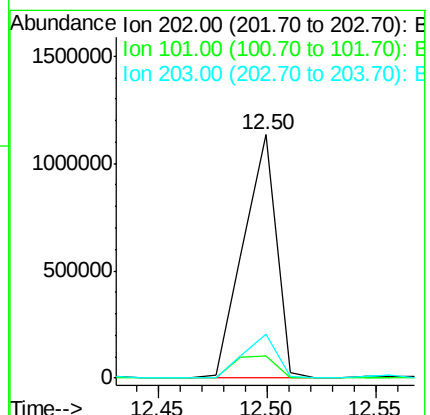
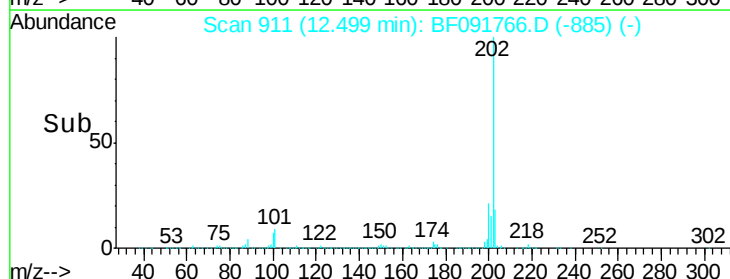
203 17.9 0.0 38.7

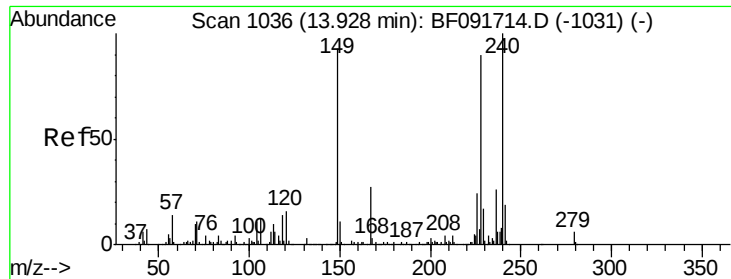


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

Instrument :

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ClientSampleId :

WC-1-0-5DL2

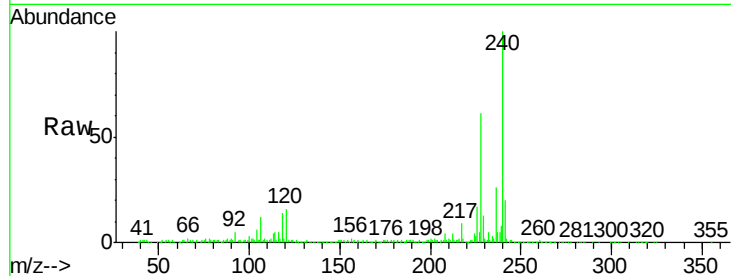
Tot Ion:240 Resp: 562301

Ion Ratio Lower Upper

240 100

120 15.9 12.9 19.3

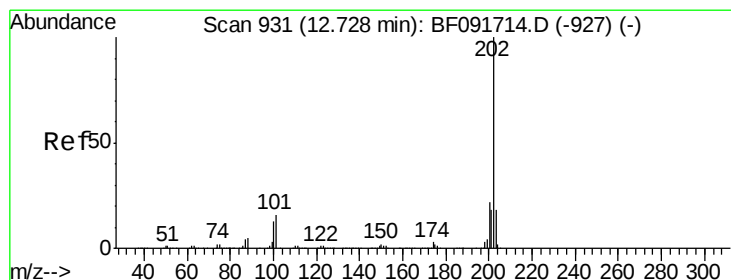
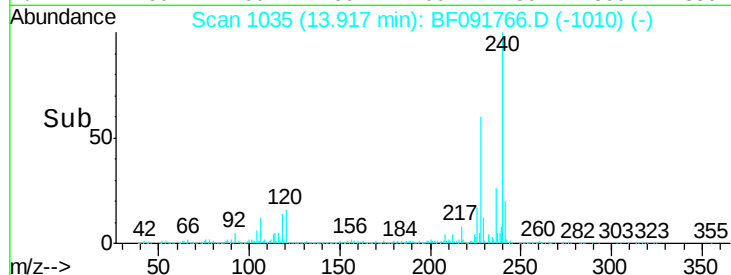
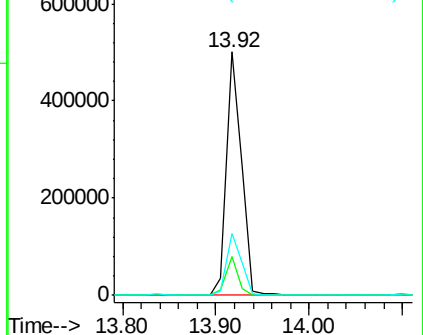
236 25.7 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 32.30 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.00 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

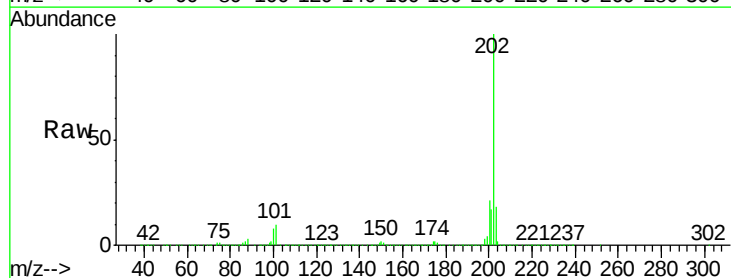
Tgt Ion:202 Resp: 1311690

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

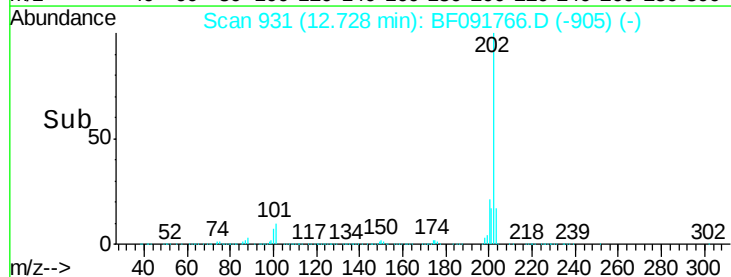
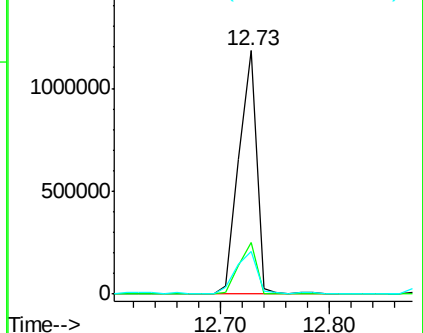
203 17.6 14.7 22.1

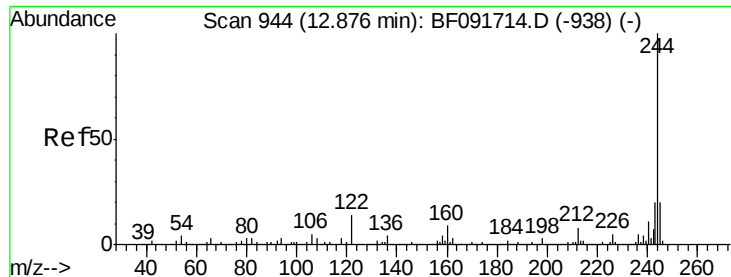


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 5.27 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

Instrument :

BNA_F

ClientSampleId :

WC-1-0-5DL2

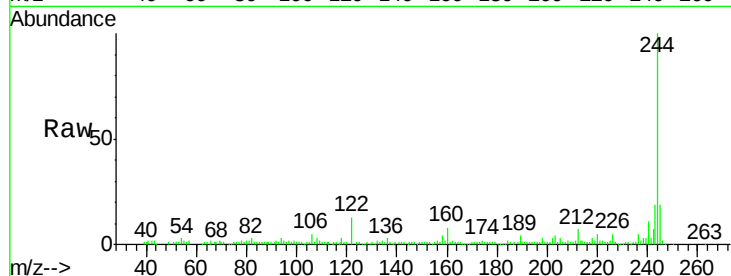
Tot Ion:244 Resp: 117395

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

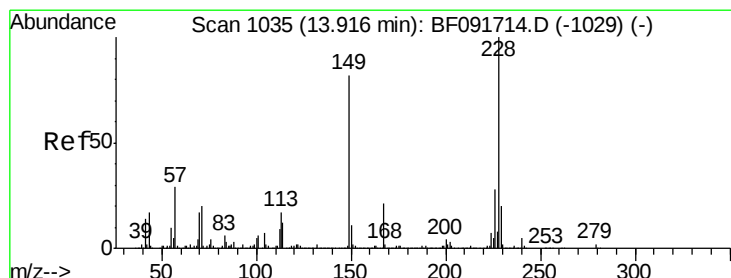
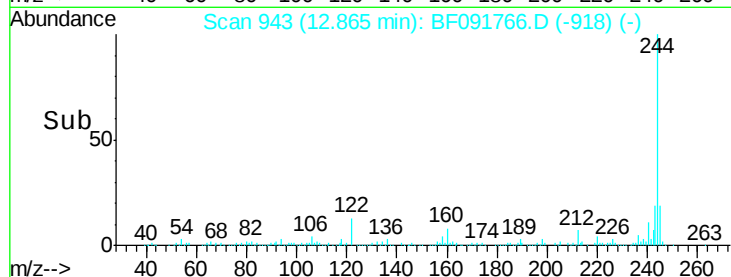
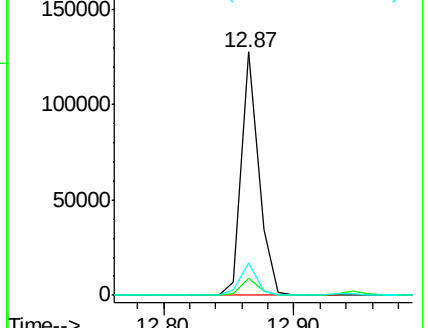
122 13.4 11.4 17.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 19.10 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

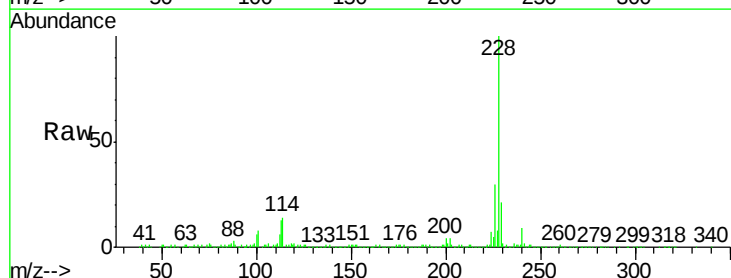
Tgt Ion:228 Resp: 614316

Ion Ratio Lower Upper

228 100

226 29.7 22.4 33.6

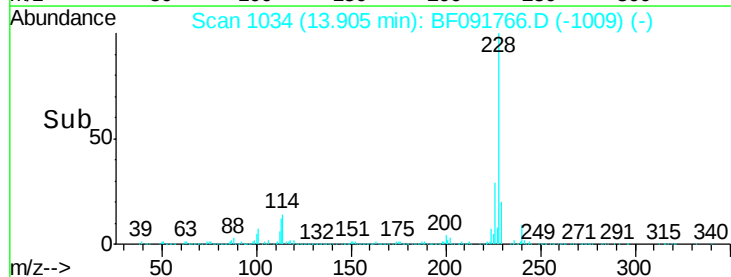
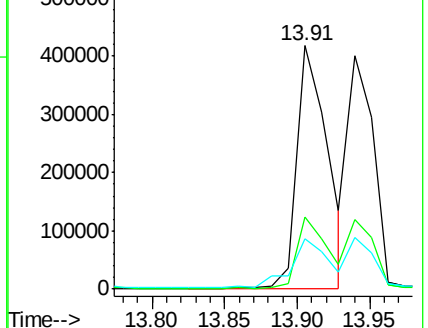
229 20.9 16.2 24.4

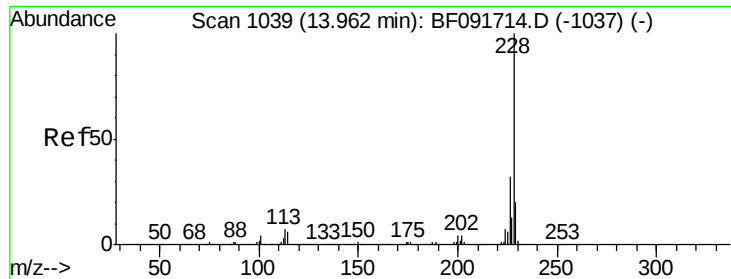


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 14.83 ng/mL

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

Instrument:

BNA_F

ClientSampleID:

WC-1-0-5DL2

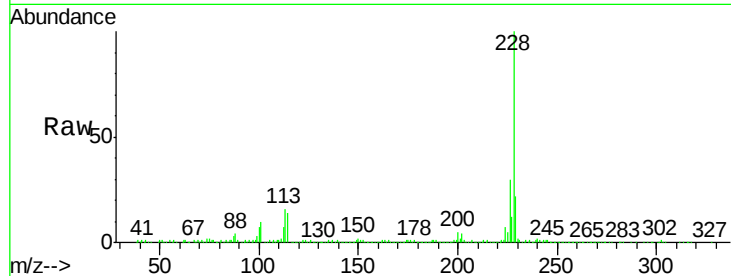
Tot Ion: 228 Resp: 494565

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.0

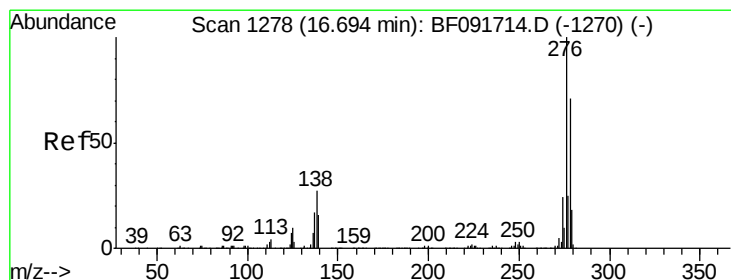
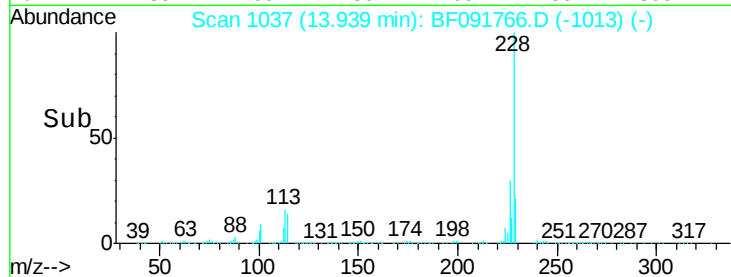
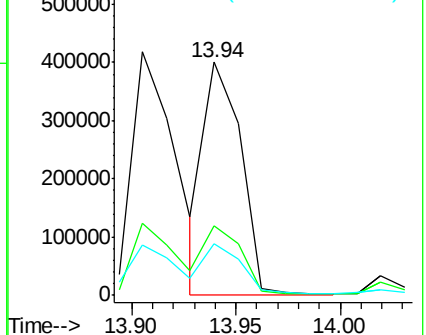
229 22.0 16.2 24.2



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.64 ng/mL

RT: 16.67 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF091766.D

Acq: 19 Dec 2016 5:47

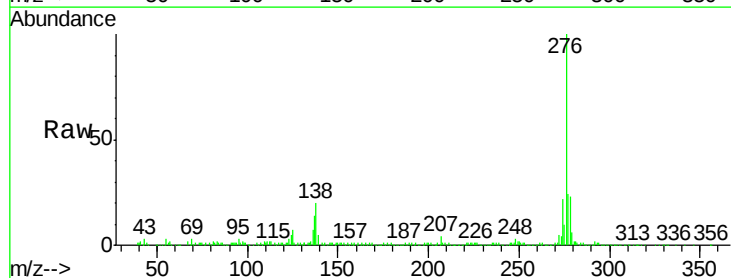
Tgt Ion: 276 Resp: 348913

Ion Ratio Lower Upper

276 100

138 24.0 21.8 32.6

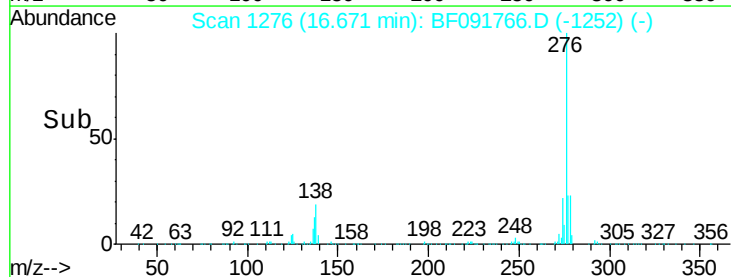
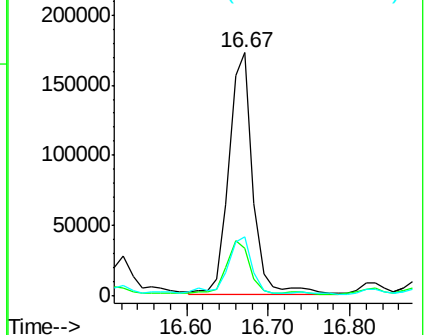
277 24.7 20.2 30.4

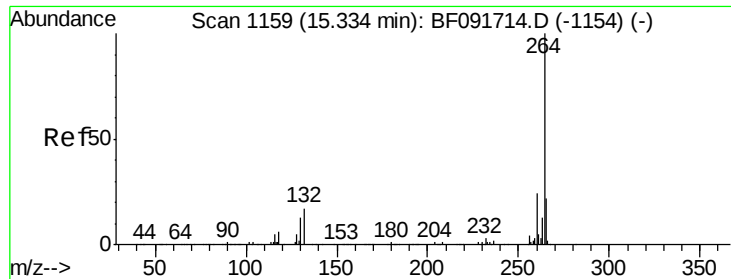


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



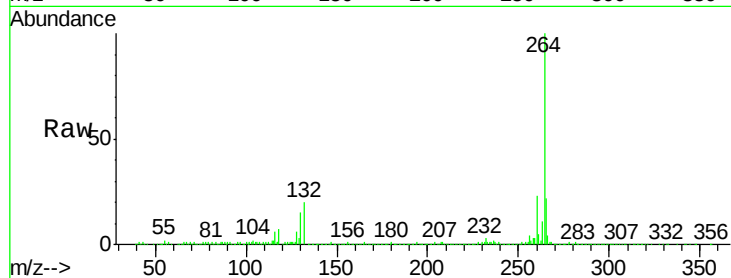


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF091766.D
Acq: 19 Dec 2016 5:47

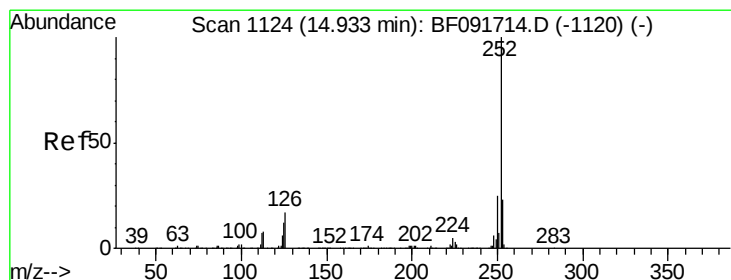
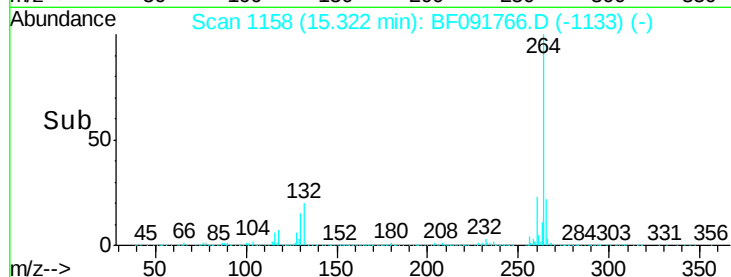
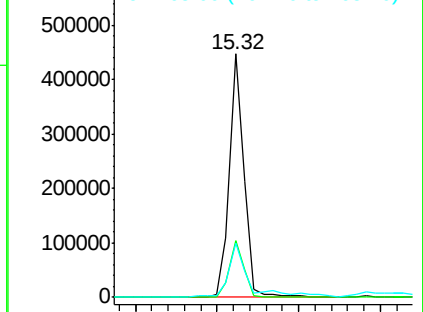
Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL2

Tot Ion:264 Resp: 555058

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.2	17.4	26.0



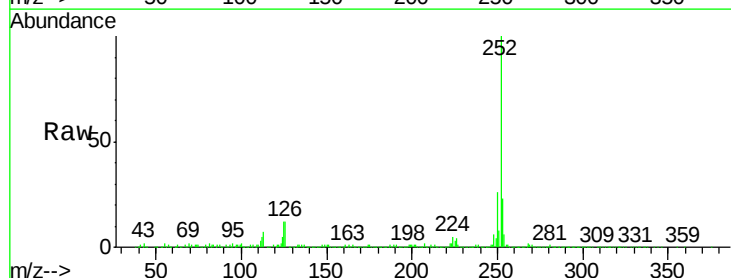
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



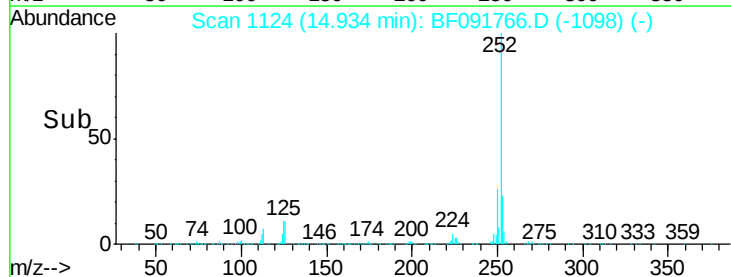
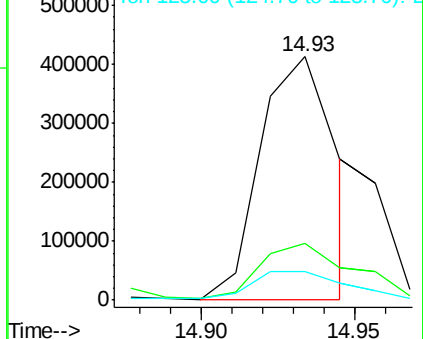
#87
Benzo(b)fluoranthene
Concen: 20.40 ng m
RT: 14.93 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF091766.D
Acq: 19 Dec 2016 5:47

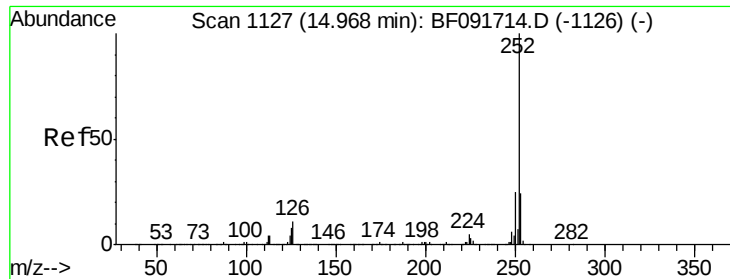
Tgt Ion:252 Resp: 718001

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	11.5	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

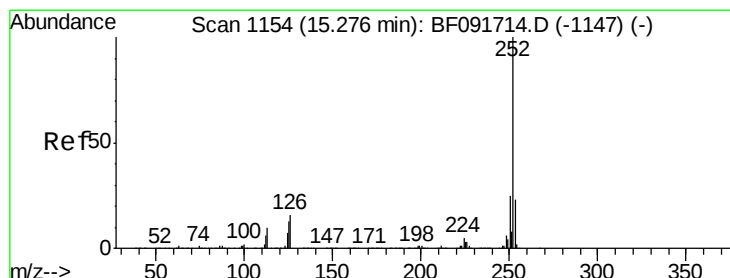
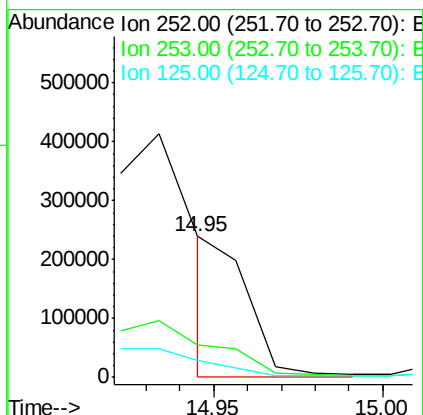
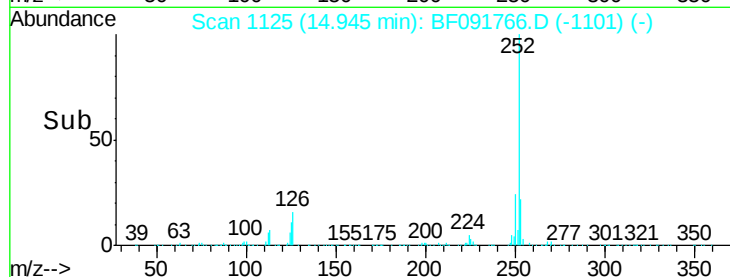
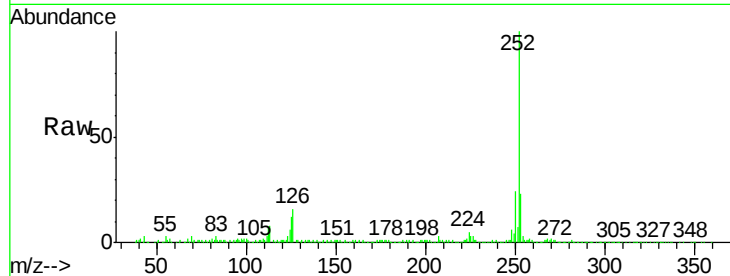




#88
Benzo(k)fluoranthene
Concen: 6.32 ng m
RT: 14.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF091766.D
Acq: 19 Dec 2016 5:47

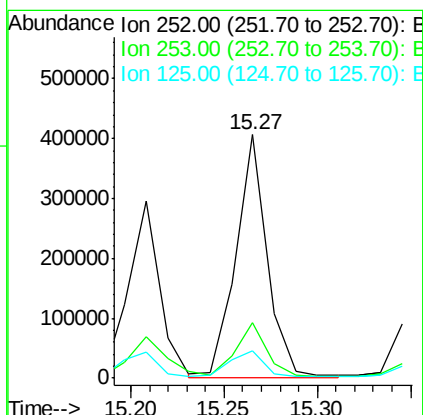
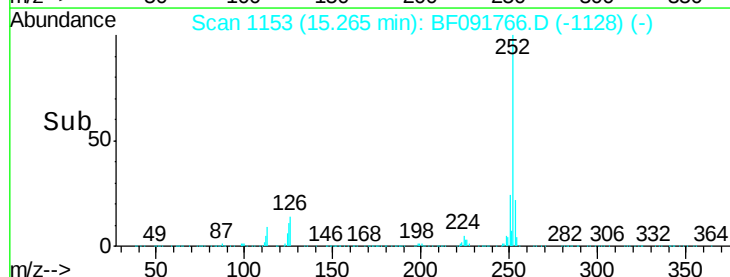
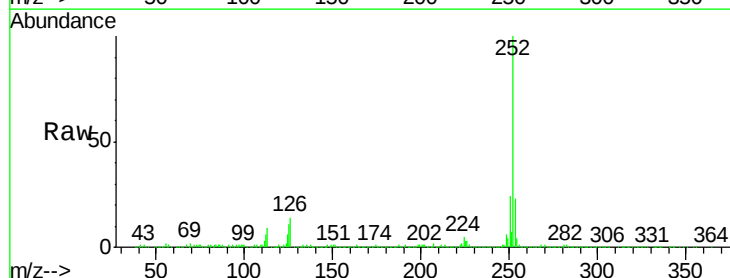
Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL2

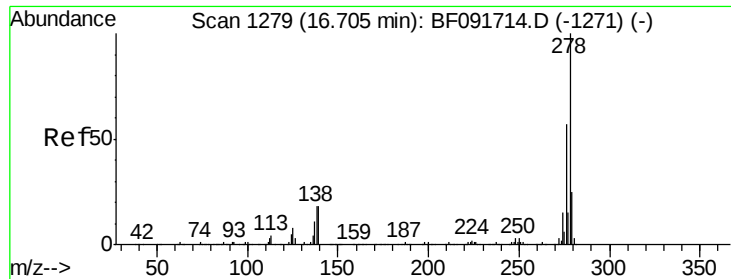
Tot Ion:252 Resp: 156051
Ion Ratio Lower Upper
252 100
253 22.7 18.5 27.7
125 12.4 8.9 13.3



#89
Benzo(a)pyrene
Concen: 15.72 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF091766.D
Acq: 19 Dec 2016 5:47

Tgt Ion:252 Resp: 474890
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.2
125 11.2 10.0 15.0

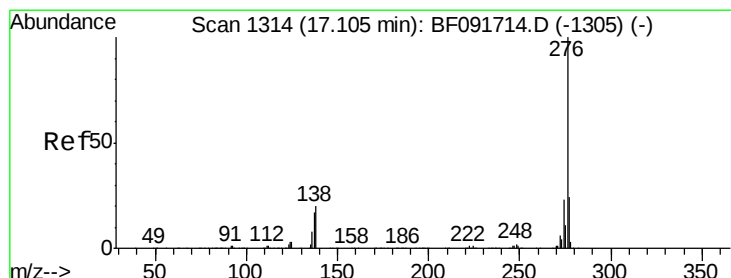
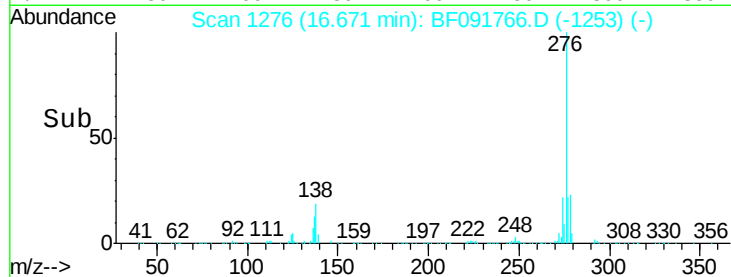
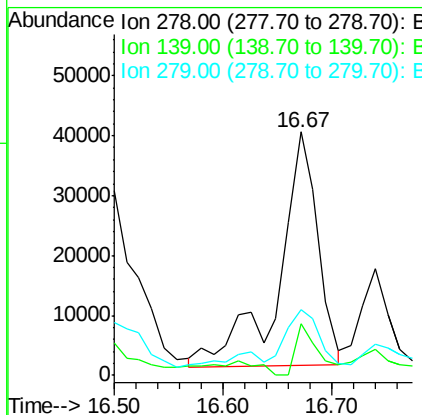
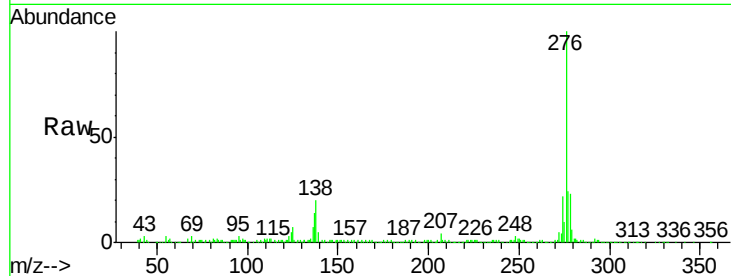




#90
Dibenzo(a,h)anthracene
Concen: 3.73 ng
RT: 16.67 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF091766.D
Acq: 19 Dec 2016 5:47

Instrument :
BNA_F
ClientSampleId :
WC-1-0-5DL2

Tot Ion:278 Resp: 98199
Ion Ratio Lower Upper
278 100
139 21.4 14.8 22.2
279 27.0 19.8 29.6



#91
Benzo(g,h,i)perylene
Concen: 11.76 ng
RT: 17.07 min Scan# 1311
Delta R.T. -0.03 min
Lab File: BF091766.D
Acq: 19 Dec 2016 5:47

Tgt Ion:276 Resp: 314758
Ion Ratio Lower Upper
276 100
277 24.3 19.2 28.8
138 22.8 16.0 24.0

