

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120616\
 Data File : BF091455.D
 Acq On : 6 Dec 2016 13:24
 Operator : UM/SJ
 Sample : H5772-04DL 40X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01DL

Quant Time: Dec 07 04:27:04 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 07 00:12:14 2016
 Response via : Initial Calibration

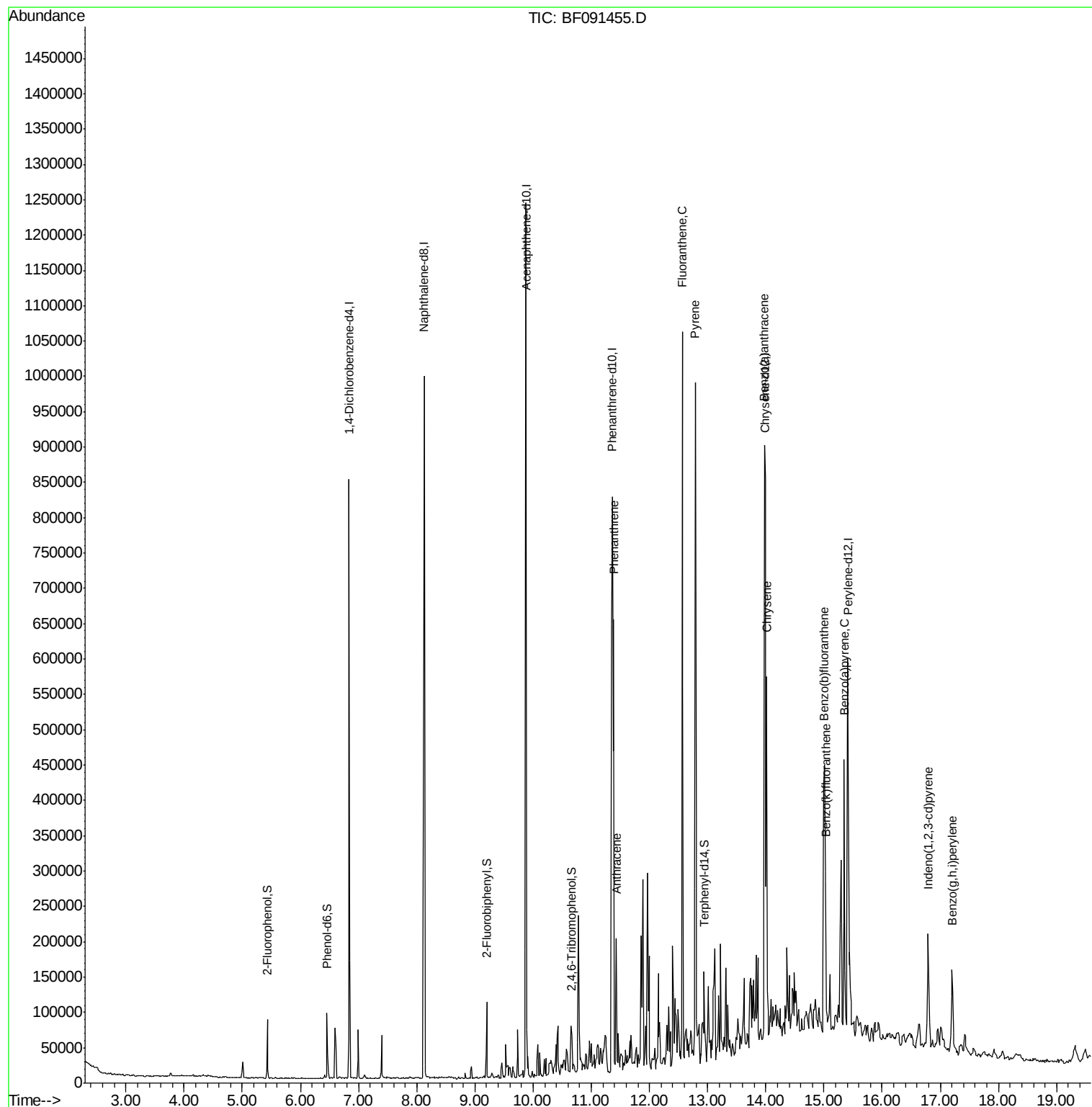
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	115494	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	491962	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	253833	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	423458	20.00	ng	0.00
75) Chrysene-d12	13.99	240	275764	20.00	ng	0.00
86) Perylene-d12	15.41	264	259279	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	18317	2.59	ng	-0.01
7) Phenol-d6	6.46	99	27264	3.13	ng	-0.01
23) Nitrobenzene-d5	7.40	82	17286	1.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	5759	2.40	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	35561	2.54	ng	0.00
78) Terphenyl-d14	12.94	244	28952	2.28	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.38	178	332080	15.09	ng	98
71) Anthracene	11.43	178	70727	3.24	ng	98
74) Fluoranthene	12.56	202	491040	23.56	ng	99
77) Pyrene	12.79	202	436792	20.87	ng	98
80) Benzo(a)anthracene	13.98	228	225568	13.99	ng	96
82) Chrysene	14.01	228	213486m	13.38	ng	
85) Indeno(1,2,3-cd)pyrene	16.79	276	112694	7.71	ng	# 93
87) Benzo(b)fluoranthene	15.01	252	262695m	16.30	ng	
88) Benzo(k)fluoranthene	15.03	252	78297m	5.78	ng	
89) Benzo(a)pyrene	15.35	252	180625	12.48	ng	# 94
91) Benzo(g,h,i)perylene	17.20	276	102147	7.40	ng	96

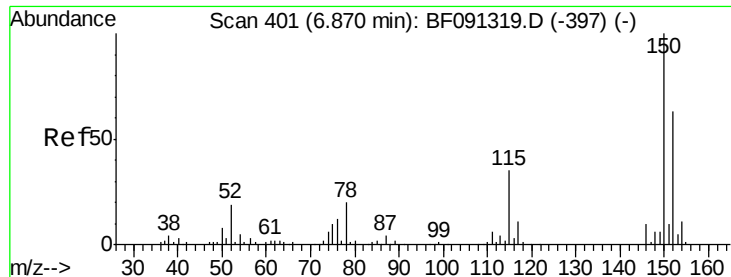
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

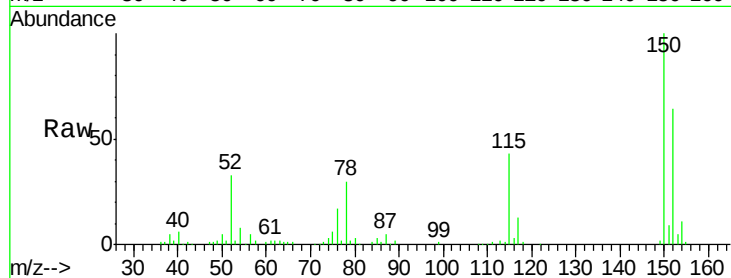
Tgt Ion:152 Resp: 115494

Ion Ratio Lower Upper

152 100

150 156.7 122.5 183.7

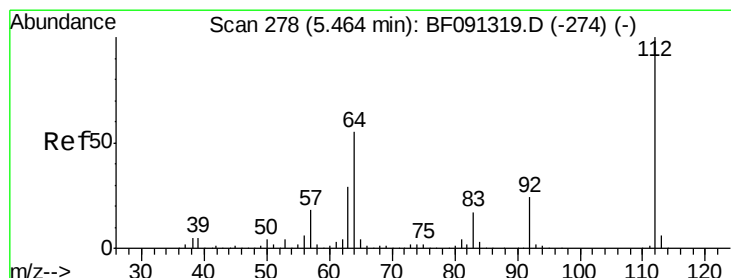
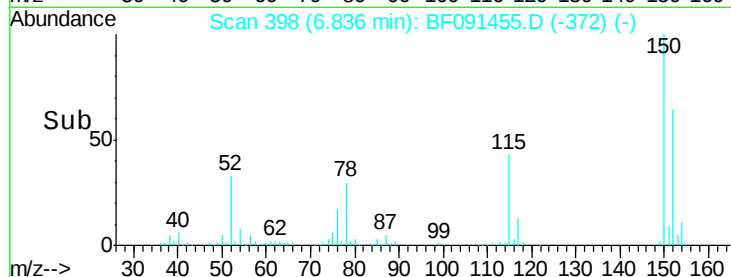
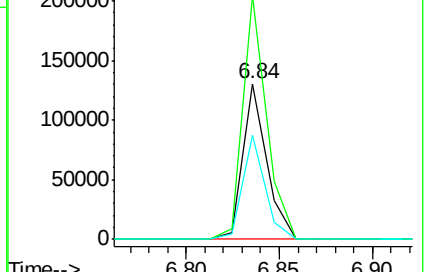
115 66.7 51.8 77.8



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: 2.59 ng

RT: 5.43 min Scan# 275

Delta R.T. -0.01 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

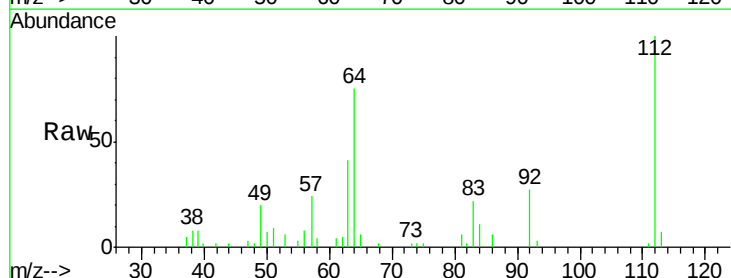
Tgt Ion:112 Resp: 18317

Ion Ratio Lower Upper

112 100

64 75.3 61.5 92.3

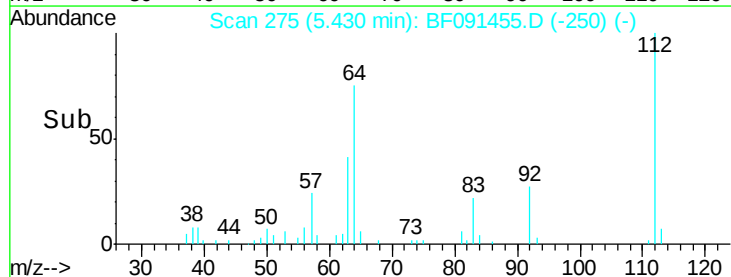
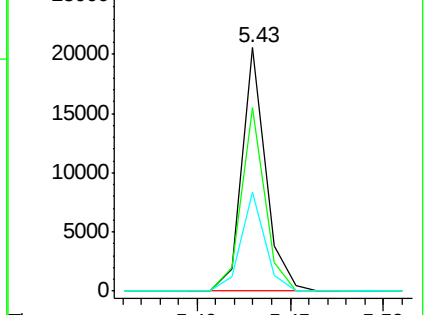
63 40.7 33.3 49.9

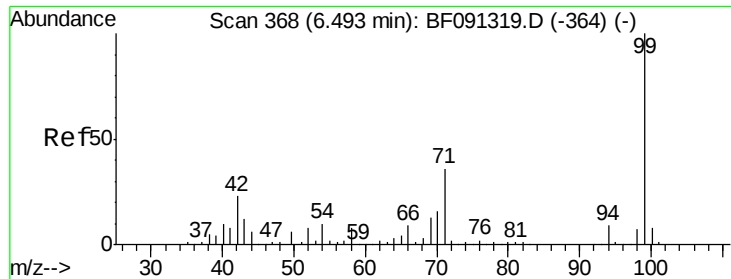


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.13 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

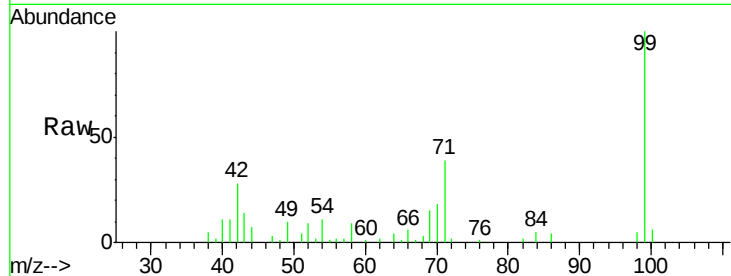
Tgt Ion: 99 Resp: 27264

Ion Ratio Lower Upper

99 100

42 27.8 20.6 31.0

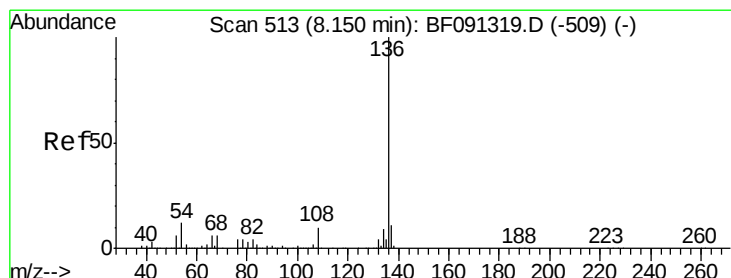
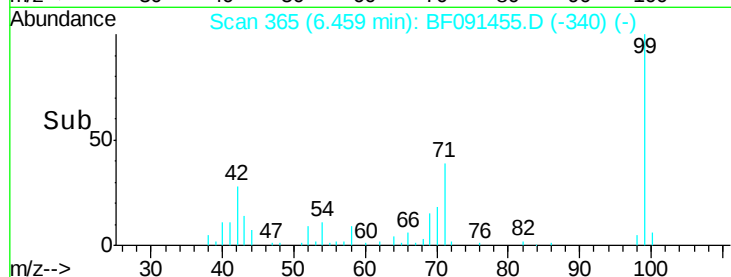
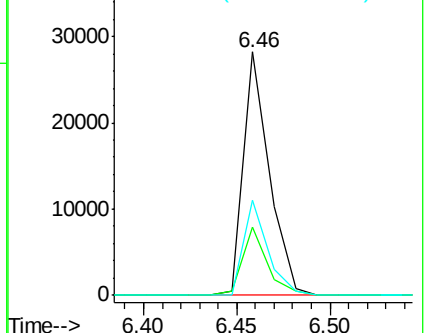
71 39.3 29.9 44.9



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Tgt Ion: 136 Resp: 491962

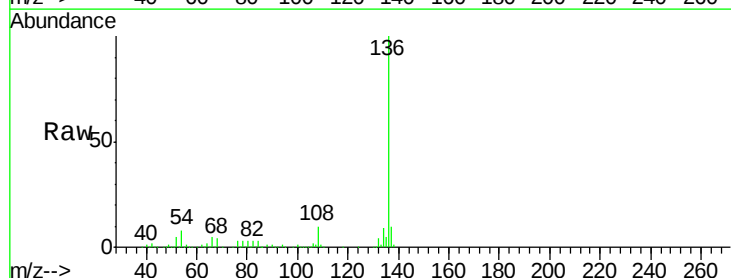
Ion Ratio Lower Upper

136 100

137 10.4 9.1 13.7

54 8.4 9.1 13.7#

68 4.0 5.9 8.9#

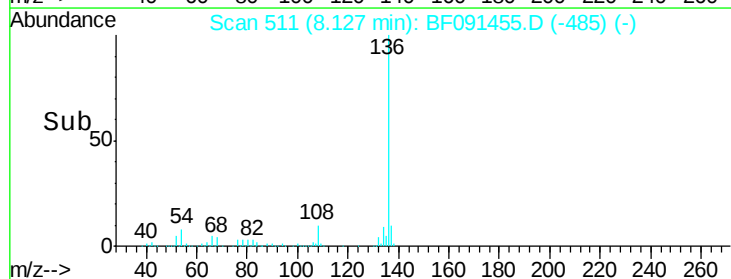
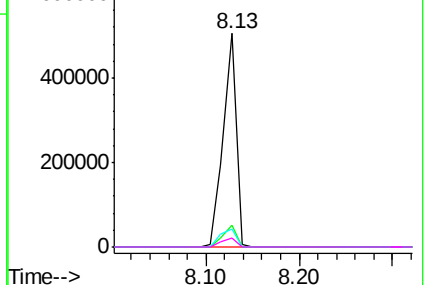


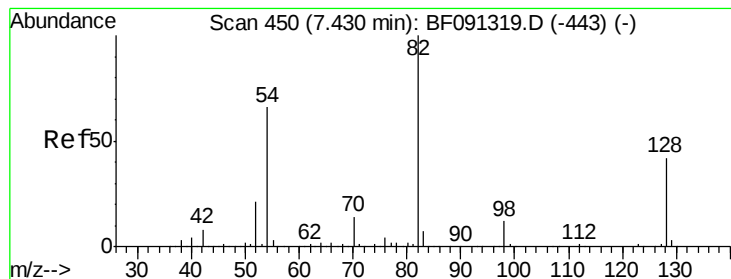
Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.97 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.01 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

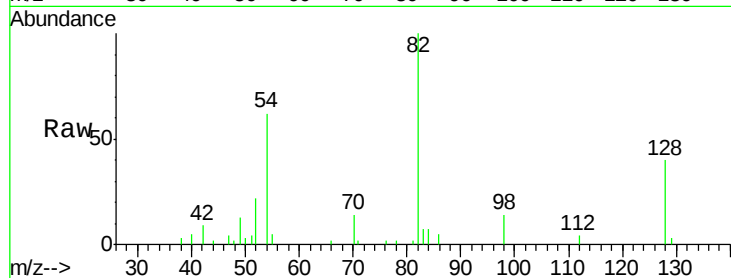
Tgt Ion: 82 Resp: 17286

Ion Ratio Lower Upper

82 100

128 40.2 31.8 47.6

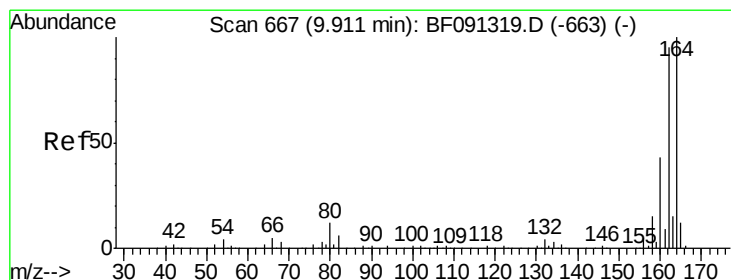
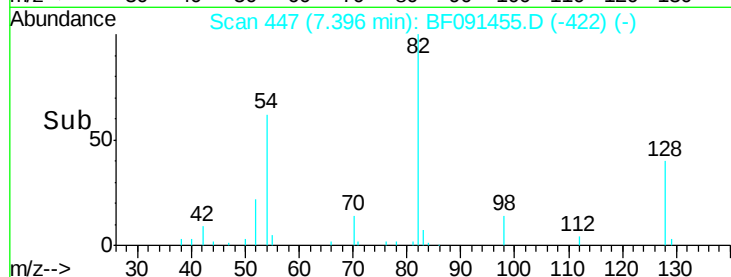
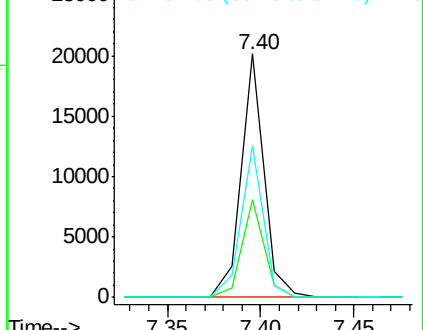
54 62.2 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

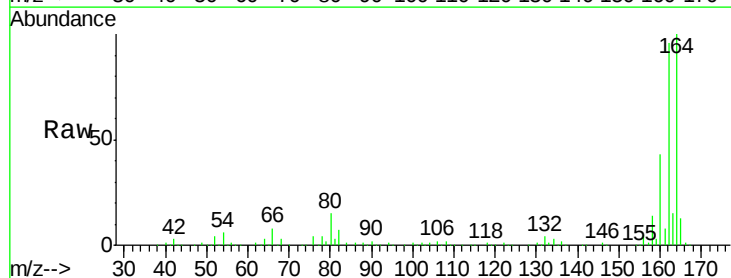
Tgt Ion: 164 Resp: 253833

Ion Ratio Lower Upper

164 100

162 95.5 82.6 124.0

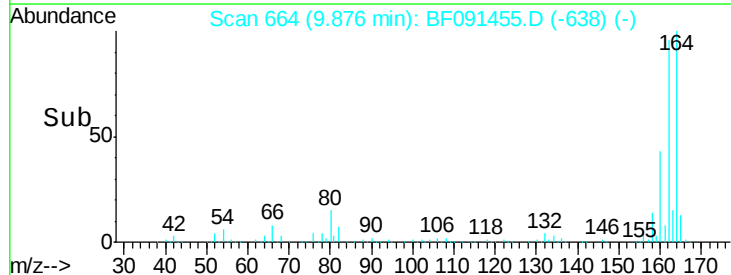
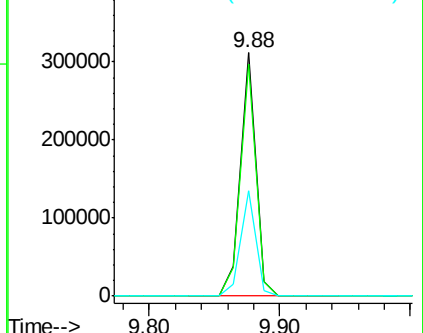
160 43.1 36.7 55.1

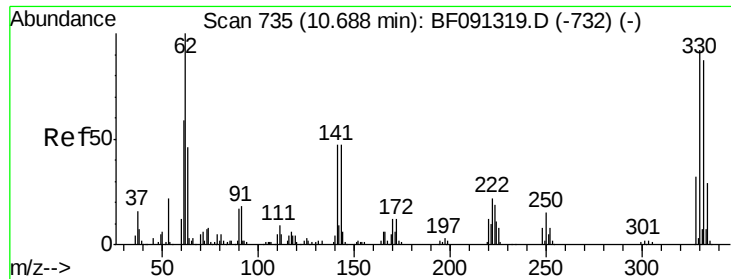


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

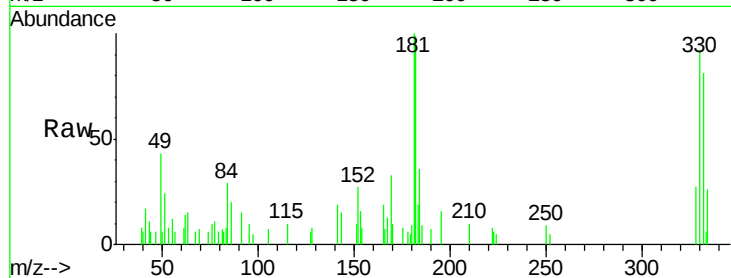




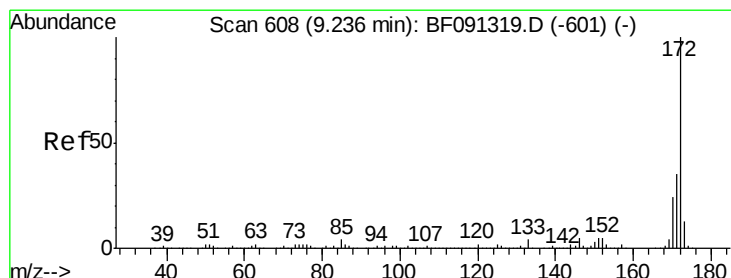
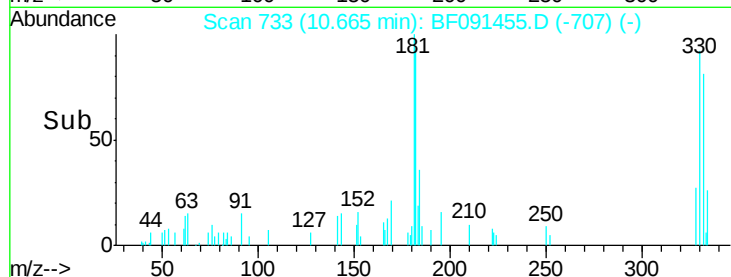
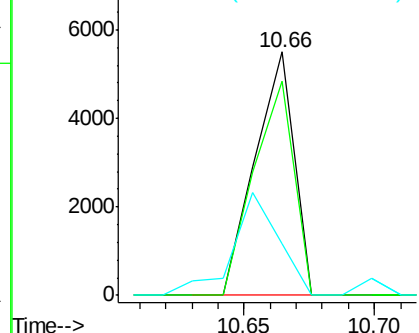
#41
 2,4,6-Tribromophenol
 Concen: 2.40 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-01DL

Tgt Ion:330 Resp: 5759
 Ion Ratio Lower Upper
 330 100
 332 90.9 76.2 114.4
 141 50.1 33.6 50.4

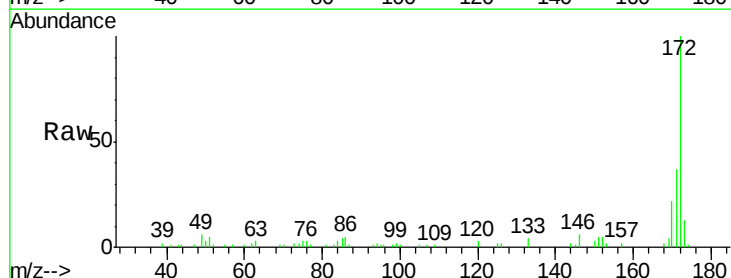


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

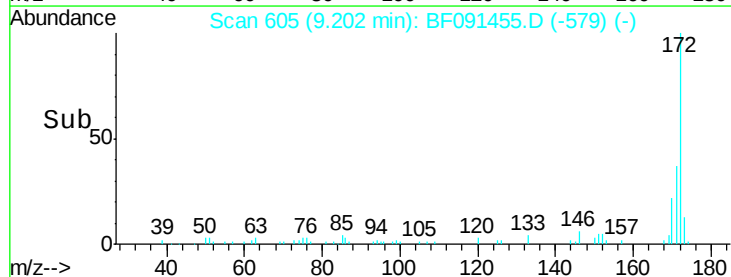
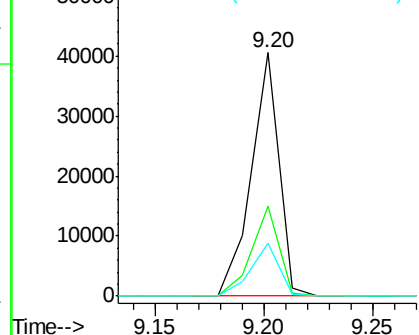


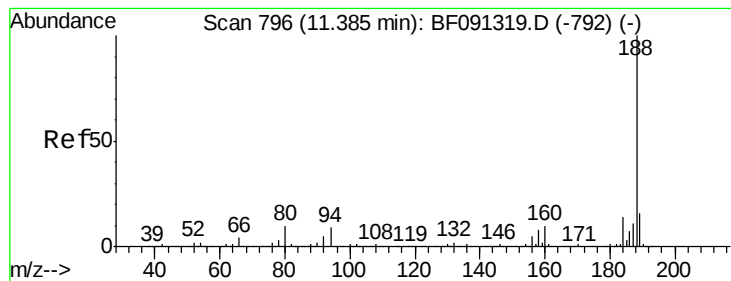
#44
 2-Fluorobiphenyl
 Concen: 2.54 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Tgt Ion:172 Resp: 35561
 Ion Ratio Lower Upper
 172 100
 171 37.2 29.4 44.0
 170 21.9 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

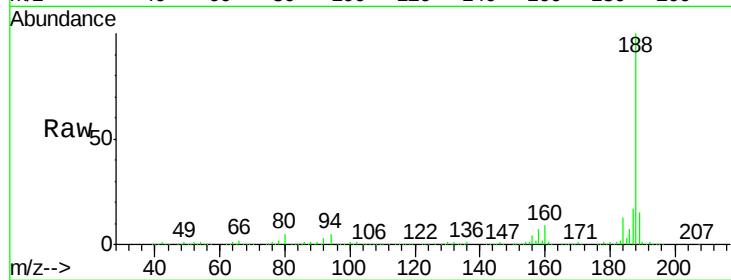
Tgt Ion:188 Resp: 423458

Ion Ratio Lower Upper

188 100

94 5.0 9.2 13.8#

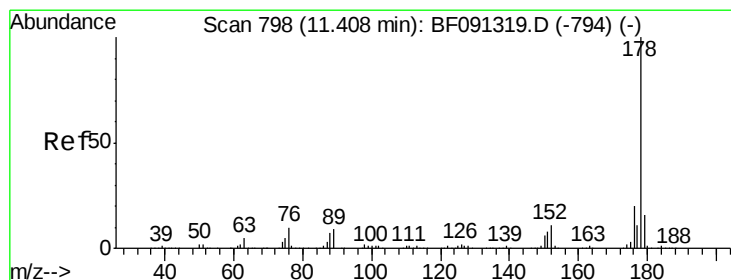
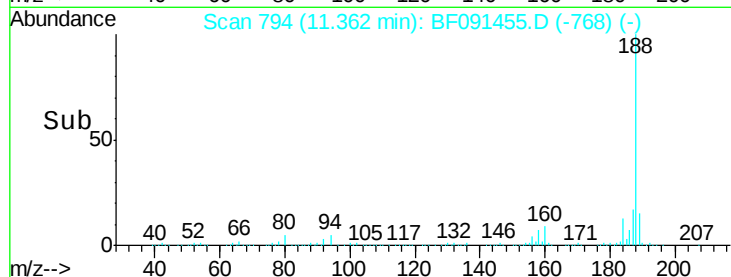
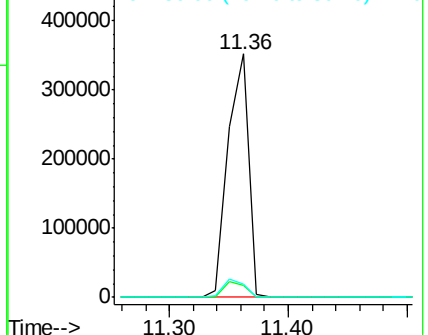
80 5.4 10.5 15.7#



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: 15.09 ng

RT: 11.38 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

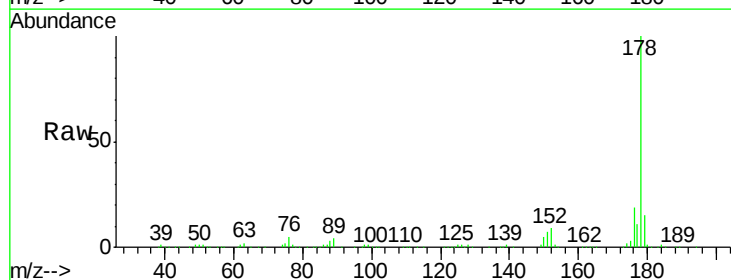
Tgt Ion:178 Resp: 332080

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

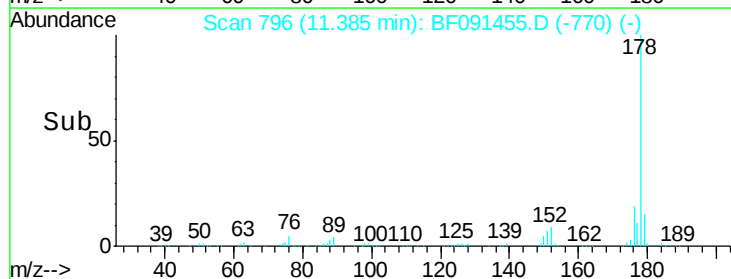
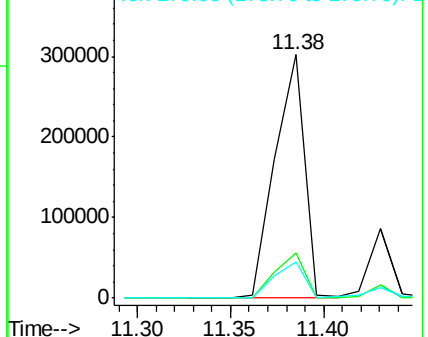
179 14.8 12.6 18.8

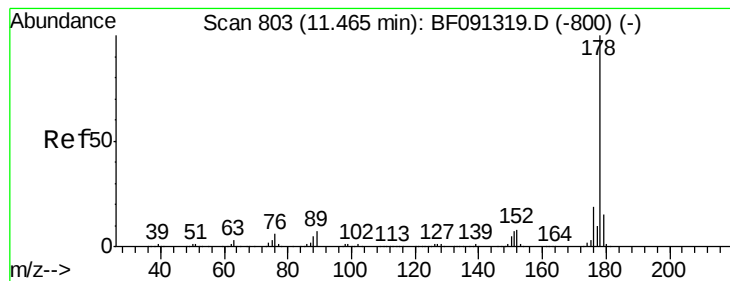


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 3.24 ng

RT: 11.43 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

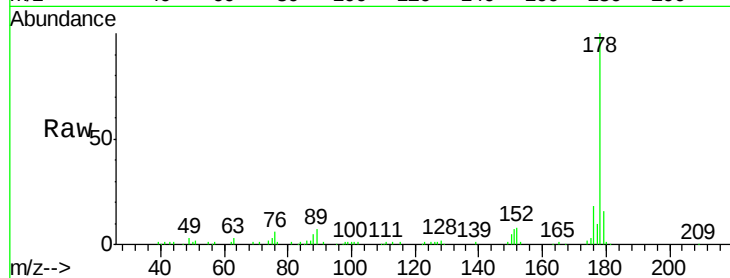
Tgt Ion:178 Resp: 70727

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.6

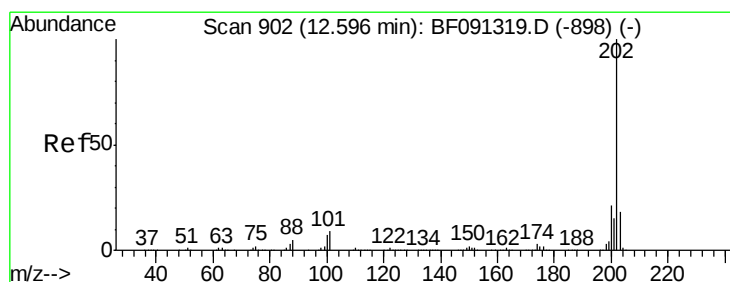
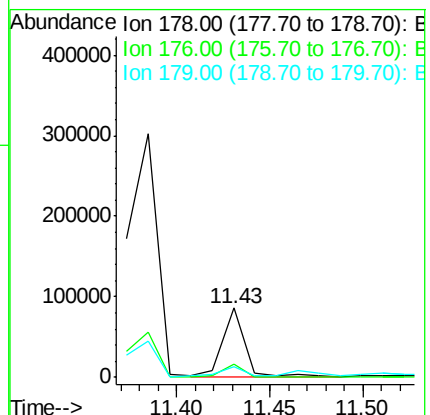
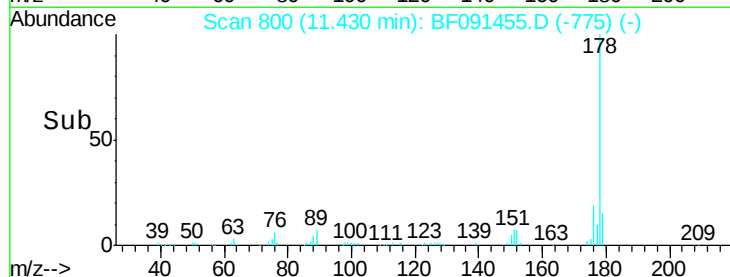
179 15.9 12.7 19.1



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: 23.56 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

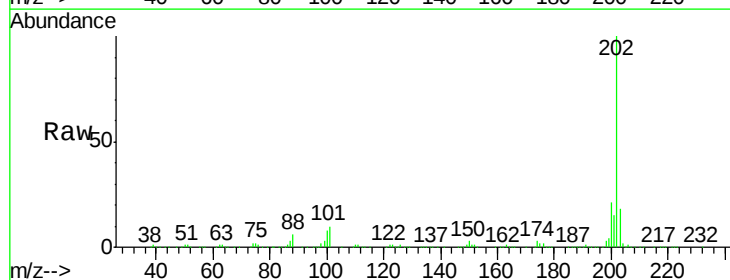
Tgt Ion:202 Resp: 491040

Ion Ratio Lower Upper

202 100

101 9.9 0.0 29.5

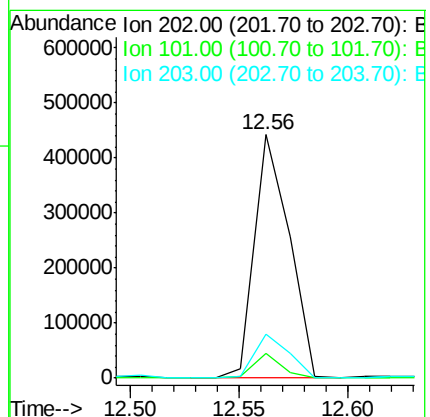
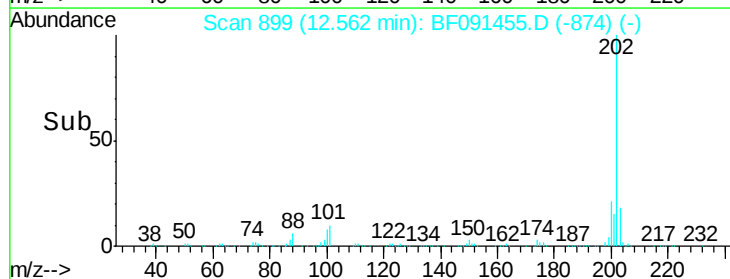
203 18.0 0.0 37.8

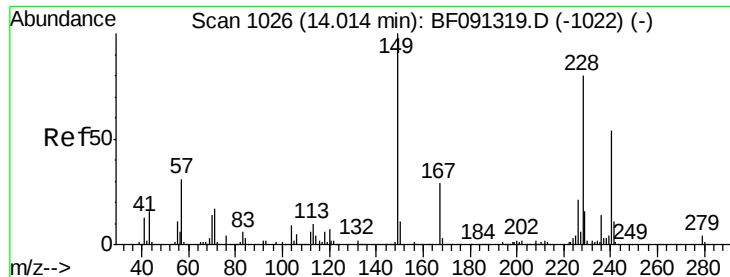


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

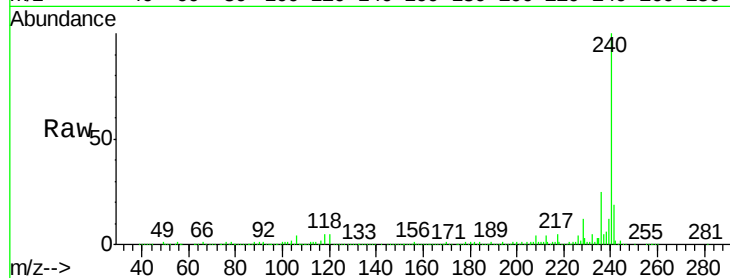
Tgt Ion:240 Resp: 275764

Ion Ratio Lower Upper

240 100

120 5.4 12.1 18.1#

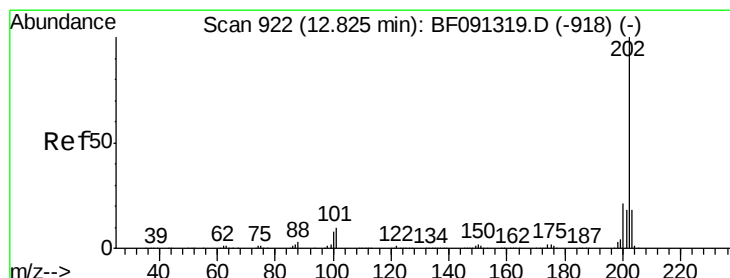
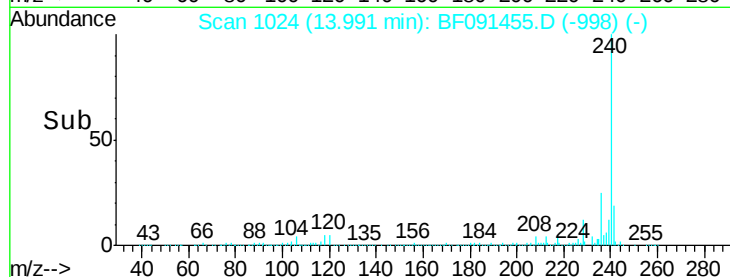
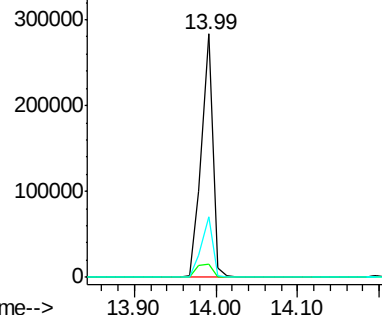
236 24.8 21.0 31.6



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: 20.87 ng

RT: 12.79 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

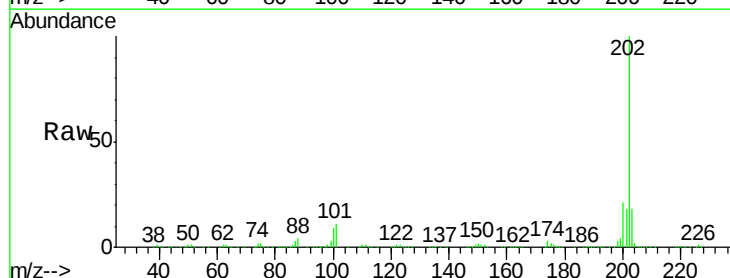
Tgt Ion:202 Resp: 436792

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

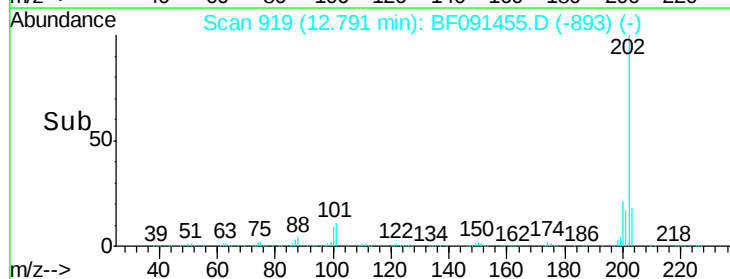
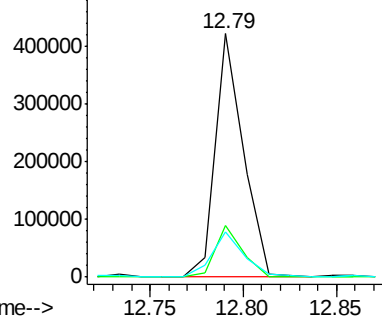
203 18.4 14.0 21.0

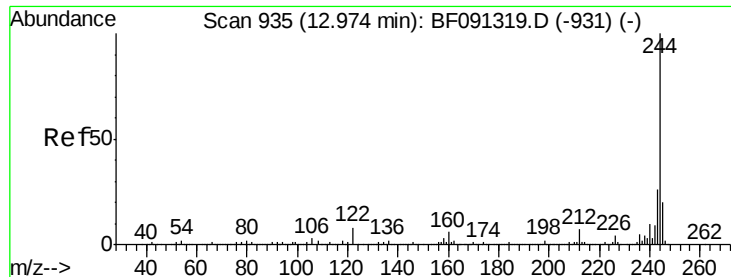


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

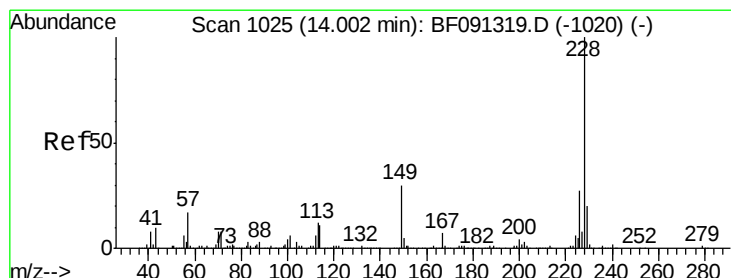
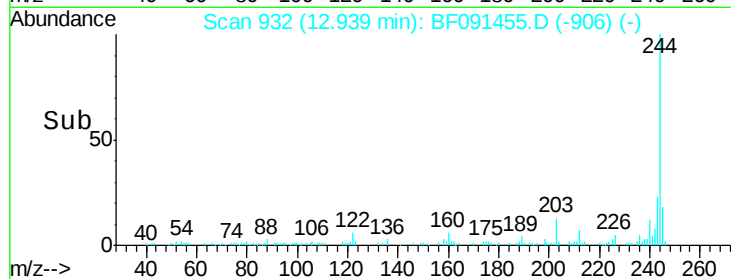
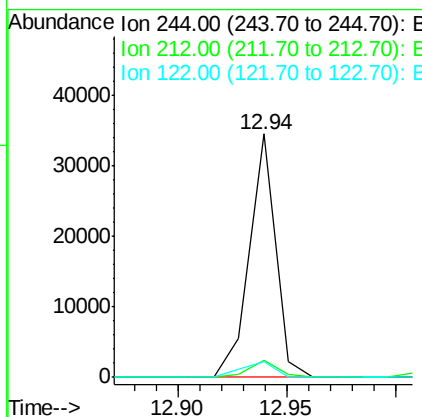
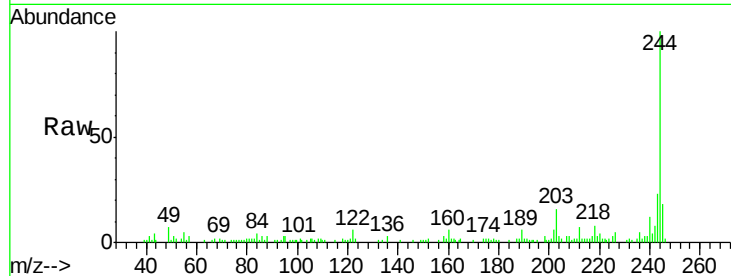




#78
 Terphenyl-d14
 Concen: 2.28 ng
 RT: 12.94 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

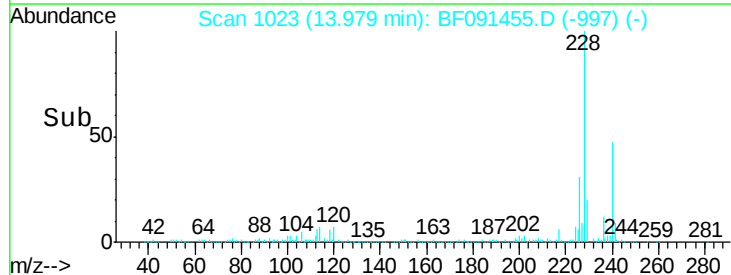
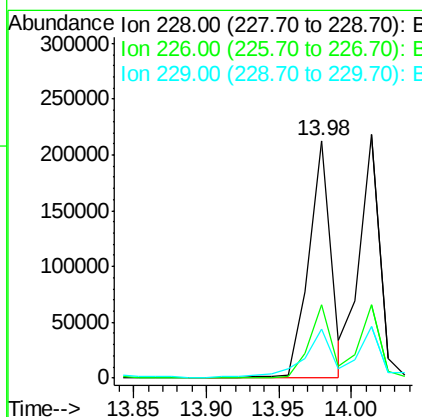
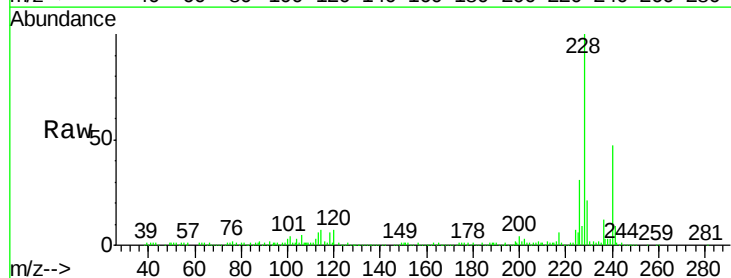
Instrument :
 BNA_F
 ClientSampleId :
 SB-01DL

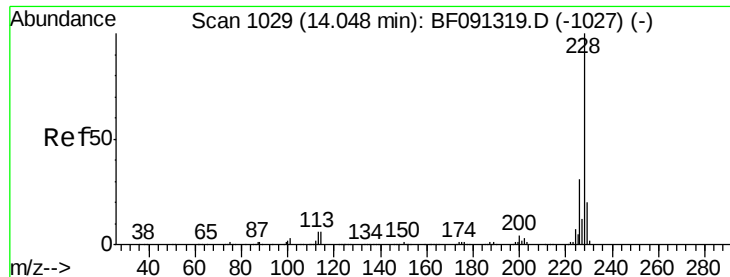
Tgt Ion:244 Resp: 28952
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.5 9.7
 122 6.3 9.5 14.3#



#80
 Benzo(a)anthracene
 Concen: 13.99 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Tgt Ion:228 Resp: 225568
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.5 33.7
 229 20.8 16.4 24.6





#82

Chrysene

Concen: 13.38 ng m

RT: 14.01 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampled :

SB-01DL

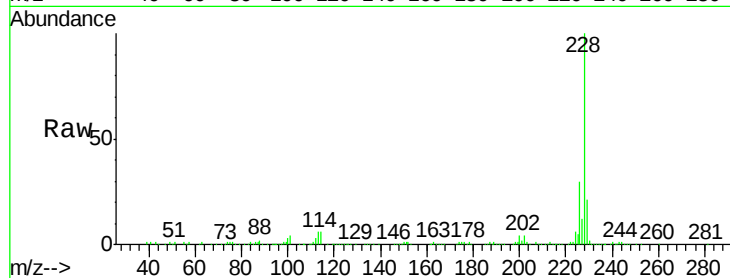
Tgt Ion: 228 Resp: 213486

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.4

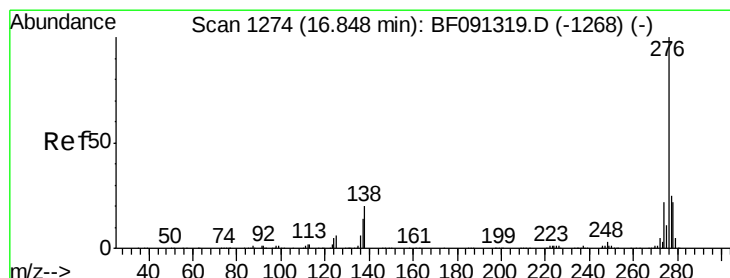
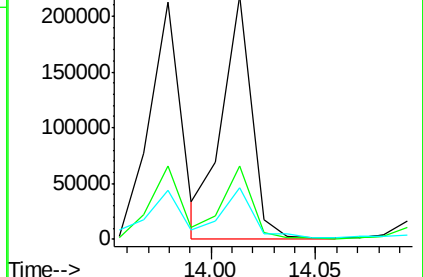
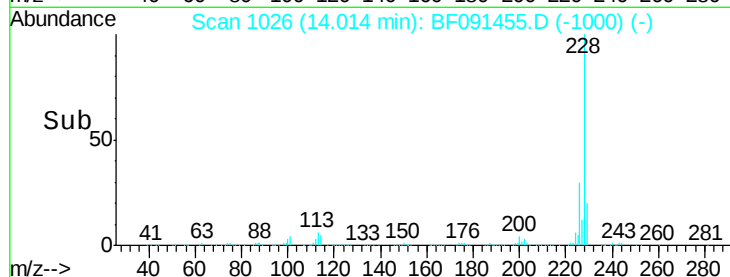
229 21.1 16.0 24.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.71 ng

RT: 16.79 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

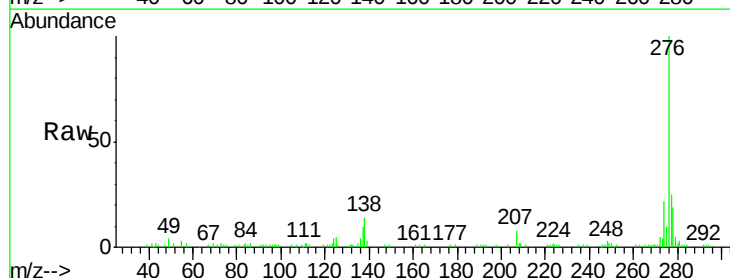
Tgt Ion: 276 Resp: 112694

Ion Ratio Lower Upper

276 100

138 18.9 21.0 31.4#

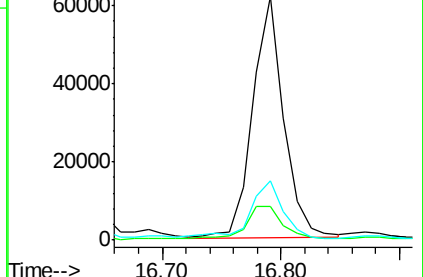
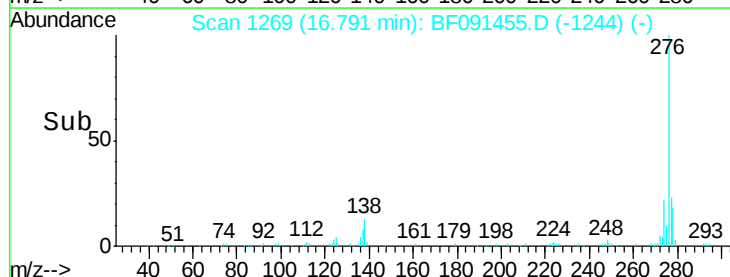
277 25.5 20.2 30.2

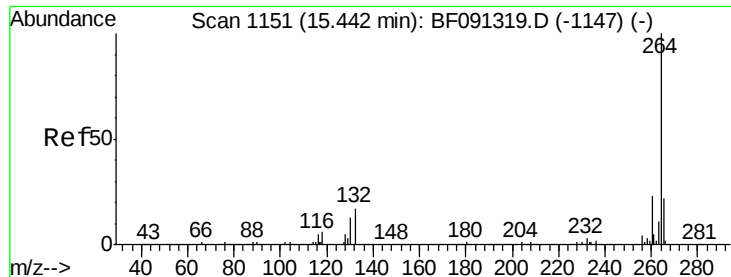


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



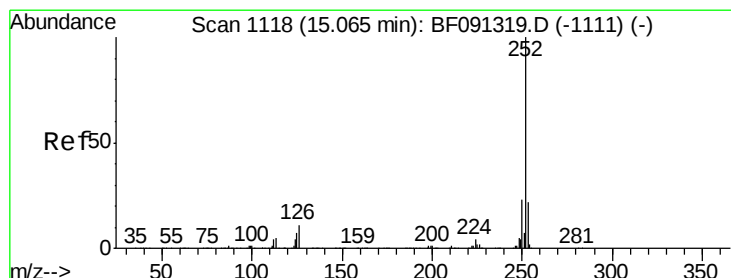
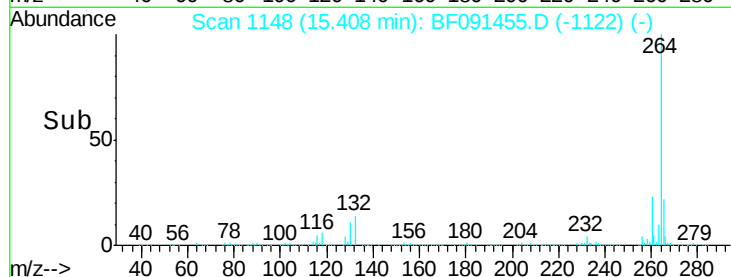
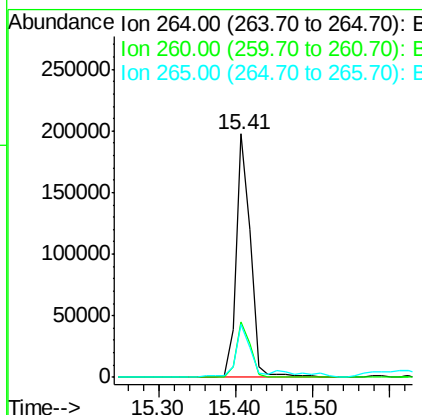
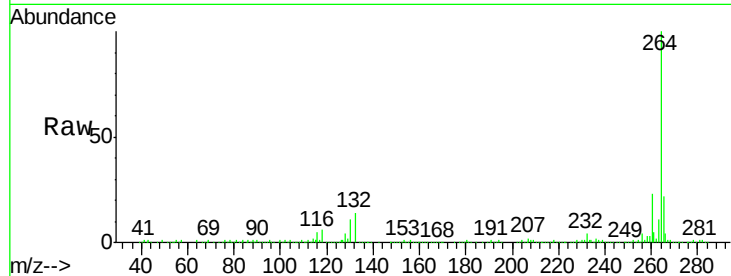


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BF091455.D
Acq: 6 Dec 2016 13:24

Instrument :
BNA_F
ClientSampleId :
SB-01DL

Tgt Ion: 264 Resp: 259279

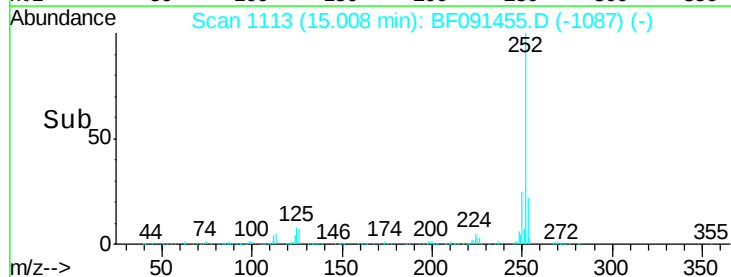
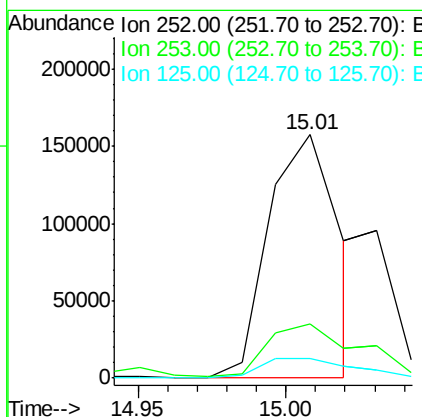
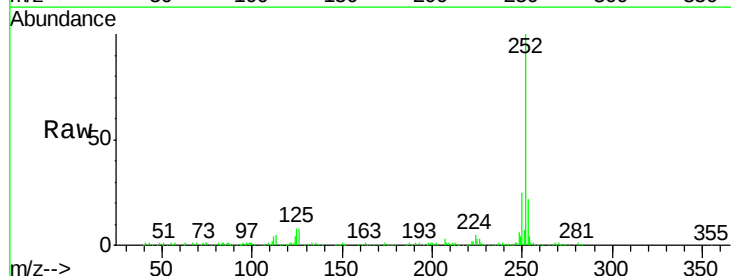
Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	21.8	17.0	25.6

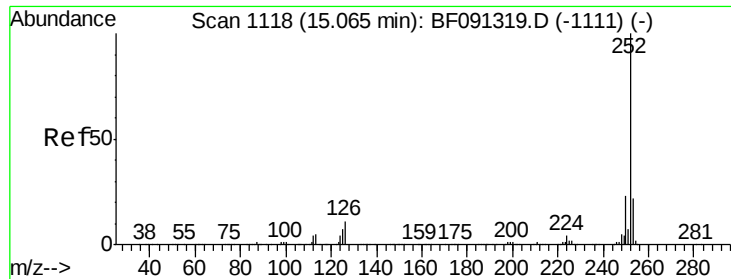


#87
Benzo(b)fluoranthene
Concen: 16.30 ng m
RT: 15.01 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BF091455.D
Acq: 6 Dec 2016 13:24

Tgt Ion: 252 Resp: 262695

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	7.9	8.6	13.0#





#88

Benzo(k)fluoranthene

Concen: 5.78 ng m

RT: 15.03 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

Instrument :

BNA_F

ClientSampleId :

SB-01DL

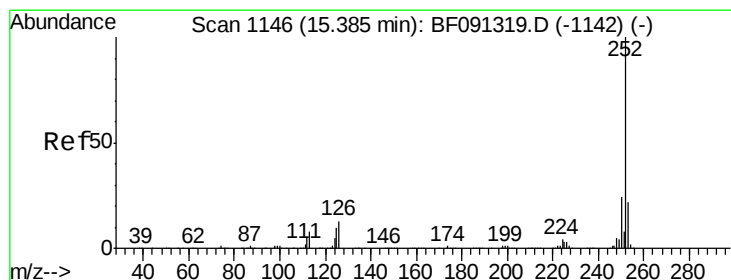
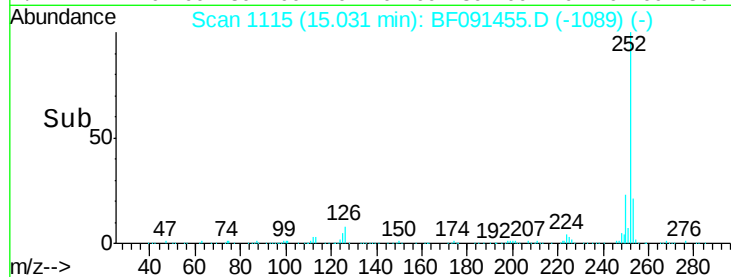
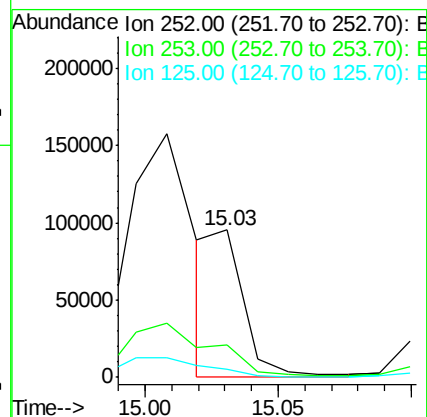
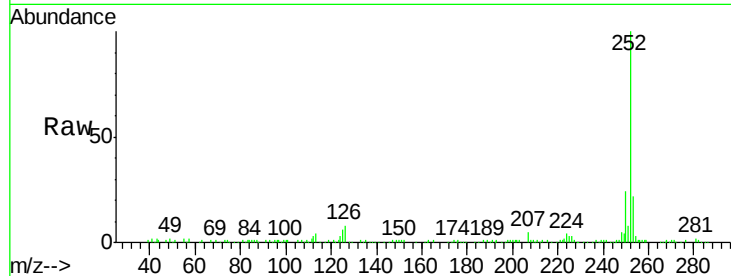
Tgt Ion:252 Resp: 78297

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 5.6 9.6 14.4#



#89

Benzo(a)pyrene

Concen: 12.48 ng

RT: 15.35 min Scan# 1143

Delta R.T. -0.00 min

Lab File: BF091455.D

Acq: 6 Dec 2016 13:24

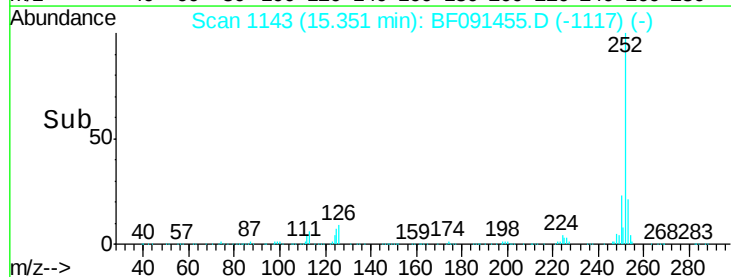
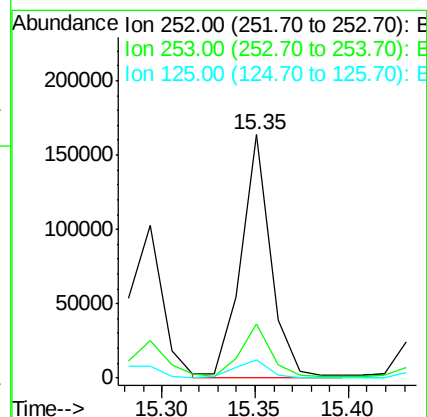
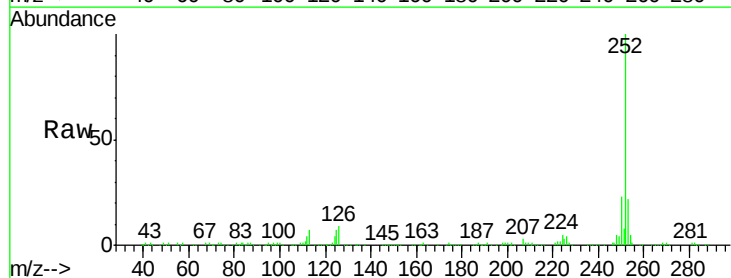
Tgt Ion:252 Resp: 180625

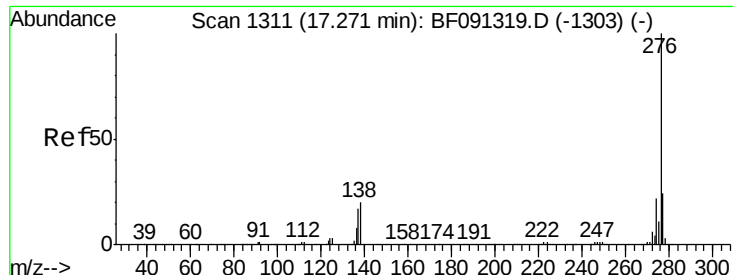
Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.4

125 7.4 10.4 15.6#

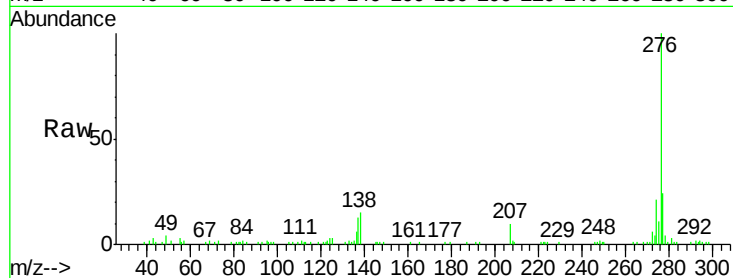




#91
 Benzo(g,h,i)perylene
 Concen: 7.40 ng
 RT: 17.20 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF091455.D
 Acq: 6 Dec 2016 13:24

Instrument :
 BNA_F
 ClientSampleId :
 SB-01DL

Tgt Ion:	276	Resp:	102147
Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	15.5	15.4	23.0



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

