

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
 Data File : BF091696.D
 Acq On : 17 Dec 2016 2:03
 Operator : UM/SJ
 Sample : H6099-14 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Quant Time: Dec 17 04:42:58 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

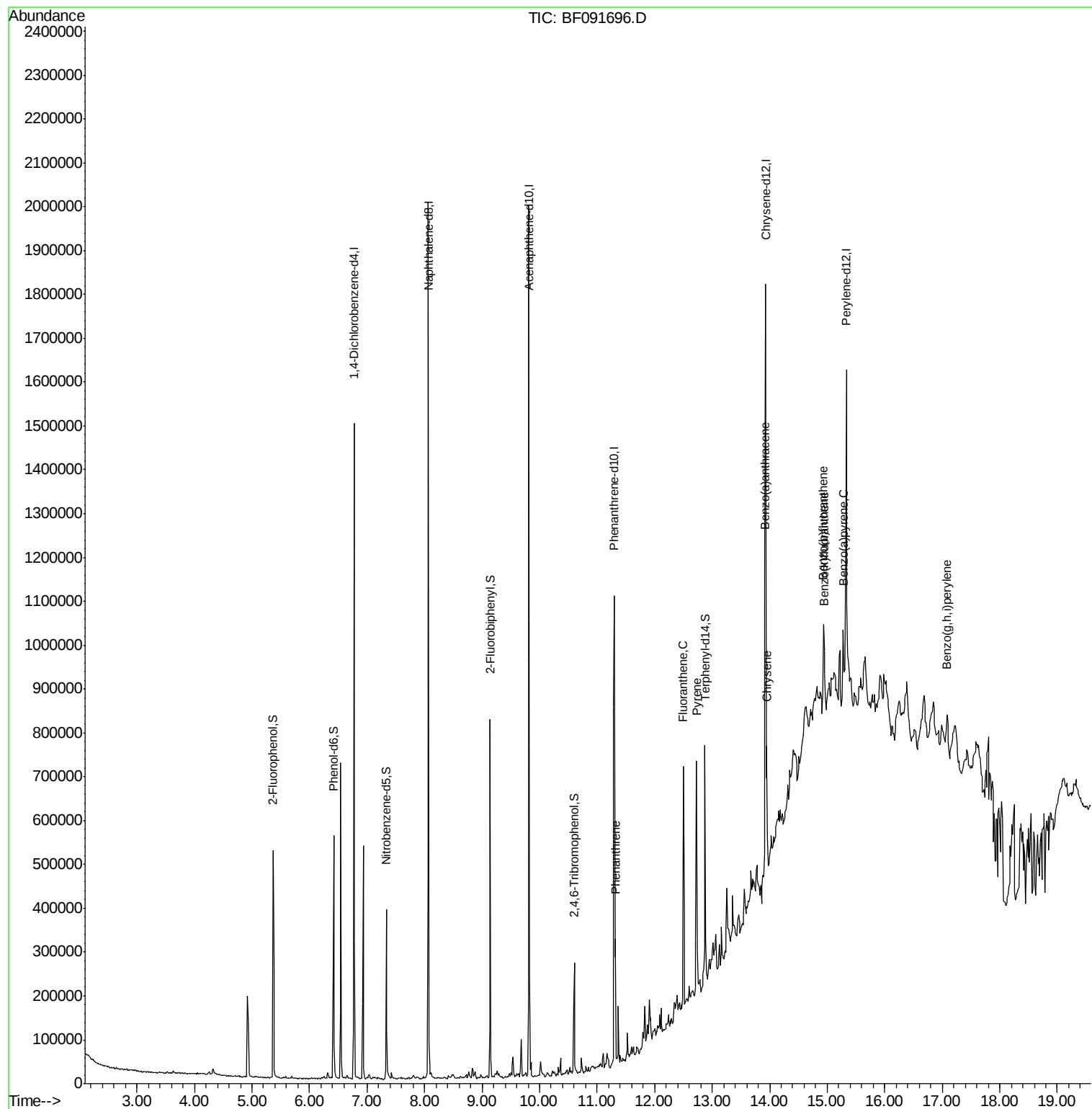
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	216615	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	884112	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	383538	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	527577	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	451575	20.00	ng	-0.01
86) Perylene-d12	15.33	264	339866	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	168649	13.12	ng	-0.01
7) Phenol-d6	6.42	99	214168	13.36	ng	-0.01
23) Nitrobenzene-d5	7.33	82	130759	8.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	35310	11.08	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	237411	10.70	ng	-0.01
78) Terphenyl-d14	12.88	244	154658	7.77	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	11.32	178	151393	5.79	ng	96
74) Fluoranthene	12.50	202	240981	8.81	ng	95
77) Pyrene	12.73	202	212480	5.93	ng	98
80) Benzo(a)anthracene	13.92	228	101010	3.85	ng	# 93
82) Chrysene	13.95	228	109354m	3.99	ng	
87) Benzo(b)fluoranthene	14.93	252	110771m	5.47	ng	
88) Benzo(k)fluoranthene	14.95	252	47313m	2.66	ng	
89) Benzo(a)pyrene	15.28	252	77031	4.22	ng	# 92
91) Benzo(g,h,i)perylene	17.08	276	49043	2.95	ng	# 85

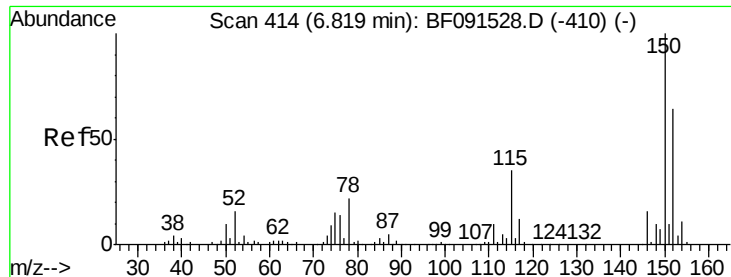
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 16 00:35:41 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

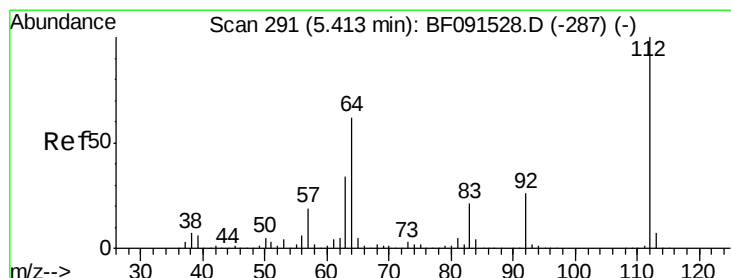
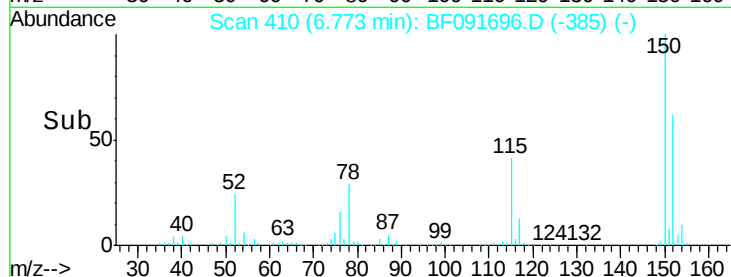
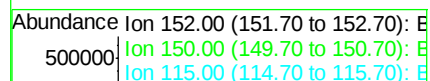
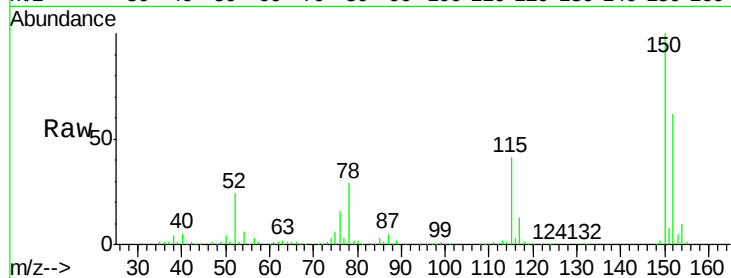
Tot Ion:152 Resp: 216615

Ion Ratio Lower Upper

152 100

150 160.1 122.5 183.7

115 65.8 51.8 77.8



#5

2-Fluorophenol

Concen: 13.12 ng

RT: 5.37 min Scan# 287

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

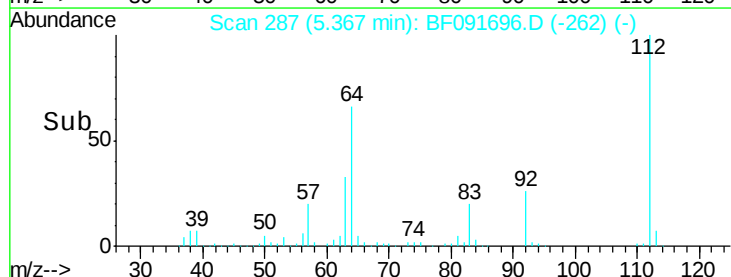
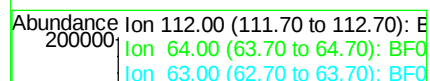
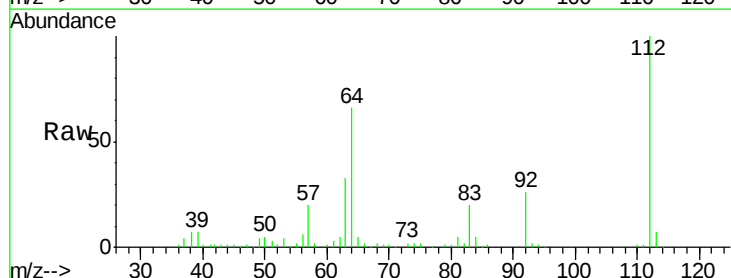
Tgt Ion:112 Resp: 168649

Ion Ratio Lower Upper

112 100

64 66.3 61.5 92.3

63 32.6 33.3 49.9#





#7

Phenol-d6

Concen: 13.36 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

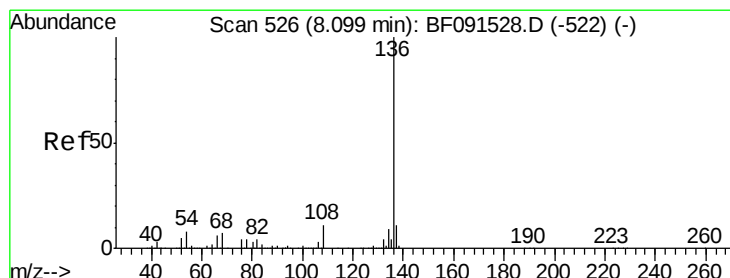
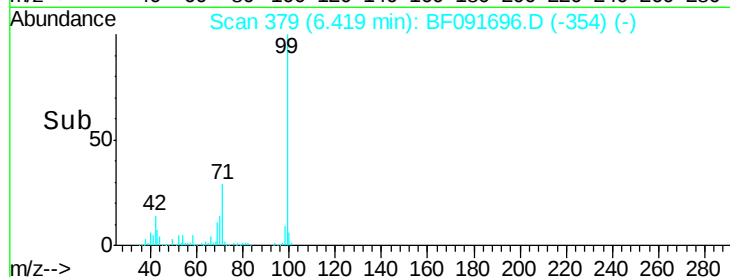
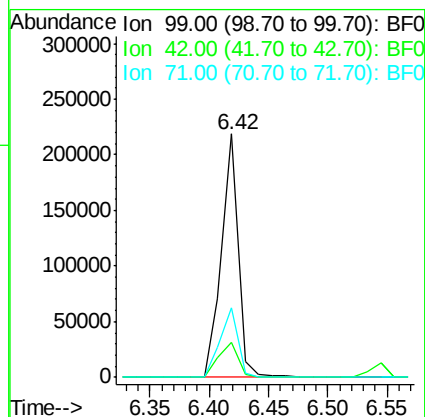
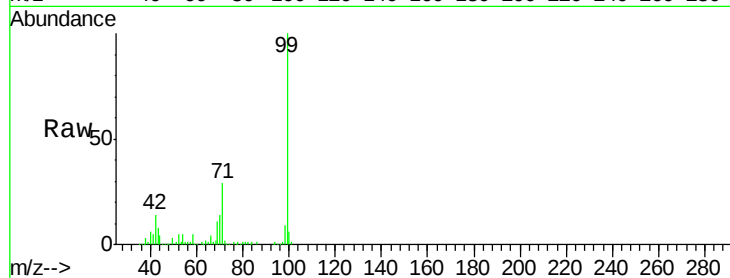
Tot Ion: 99 Resp: 214168

Ion Ratio Lower Upper

99 100

42 14.1 20.6 31.0#

71 28.8 29.9 44.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

Tgt Ion: 136 Resp: 884112

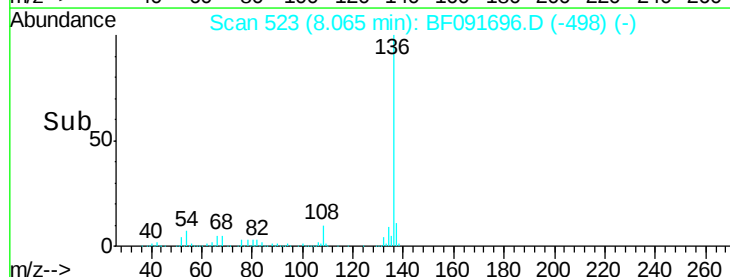
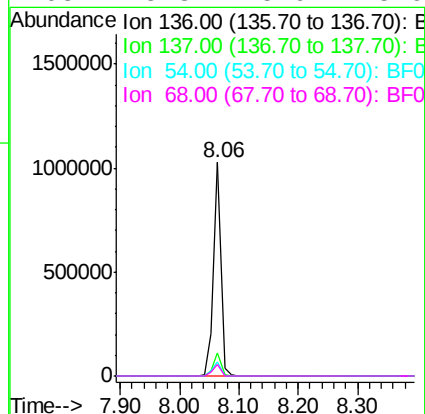
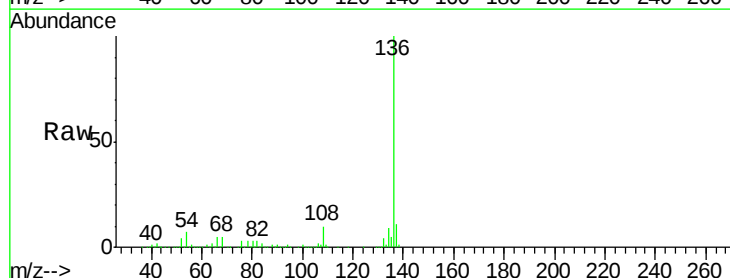
Ion Ratio Lower Upper

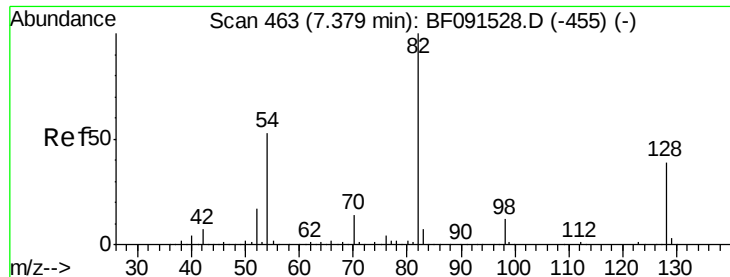
136 100

137 11.1 9.1 13.7

54 6.8 9.1 13.7#

68 5.3 5.9 8.9#

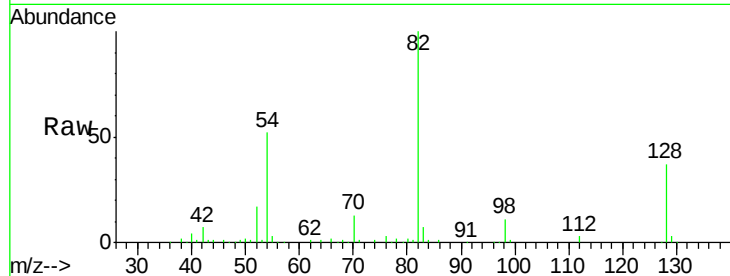




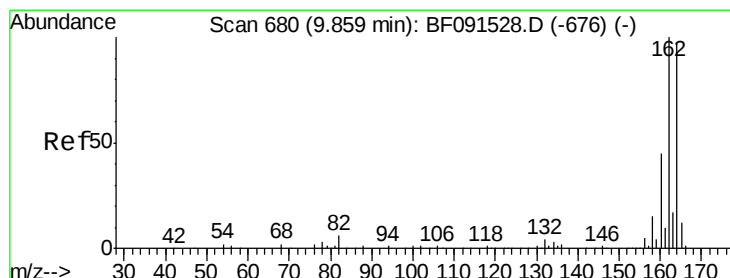
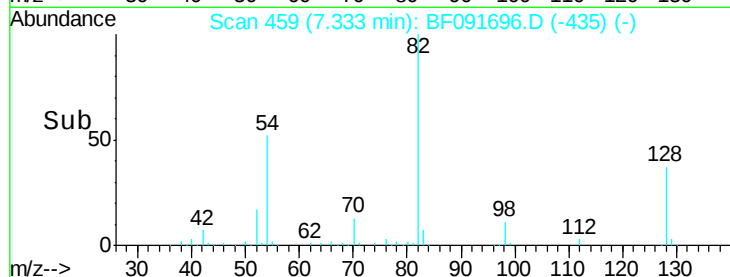
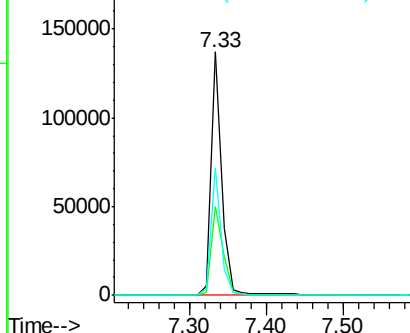
#23
 Nitrobenzene-d5
 Concen: 8.25 ng
 RT: 7.33 min Scan# 459
 Delta R.T. -0.02 min
 Lab File: BF091696.D
 Acq: 17 Dec 2016 2:03

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Tot Ion	82	Resp	130759
Ion Ratio	100	Lower	Upper
128	36.5	31.8	47.6
54	52.1	49.1	73.7

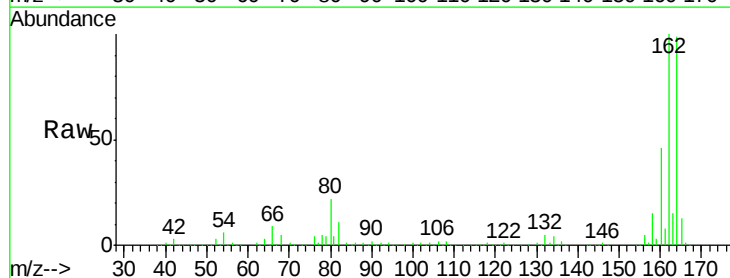


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

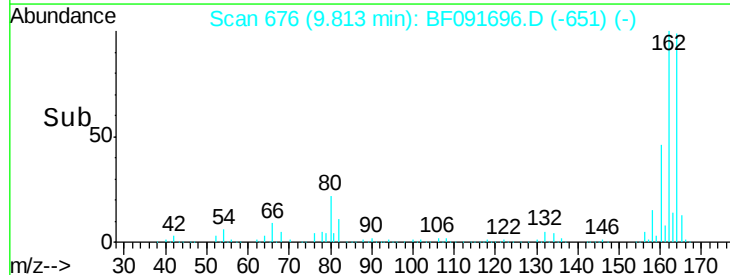
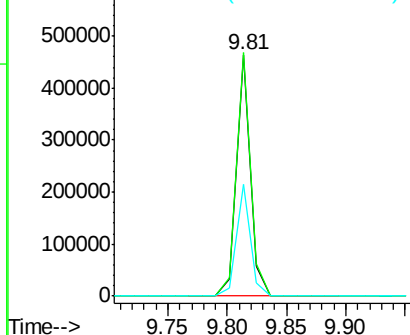


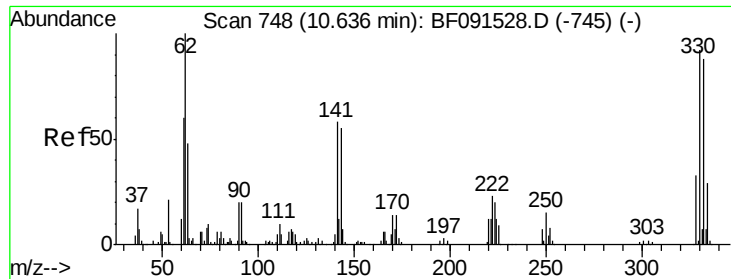
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF091696.D
 Acq: 17 Dec 2016 2:03

Tgt Ion	164	Resp	383538
Ion Ratio	100	Lower	Upper
162	101.0	82.6	124.0
160	46.4	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

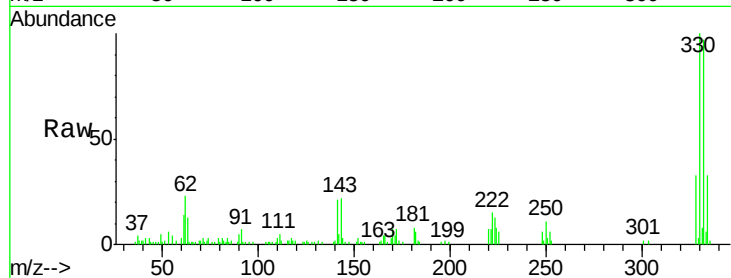




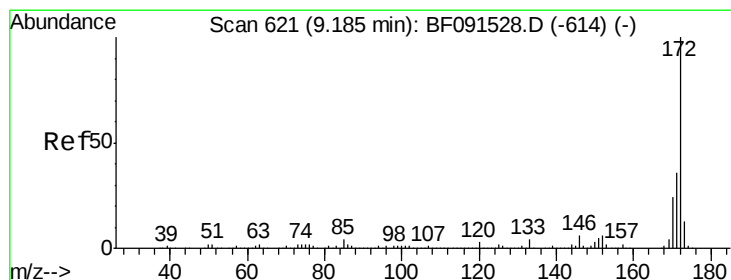
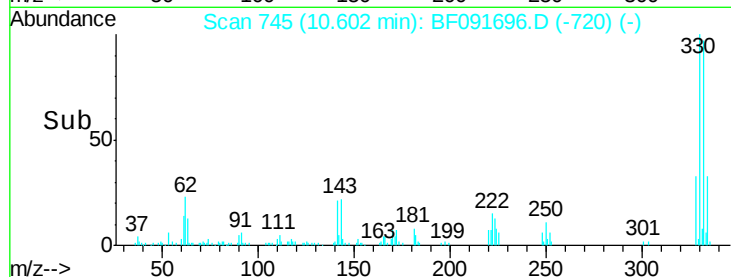
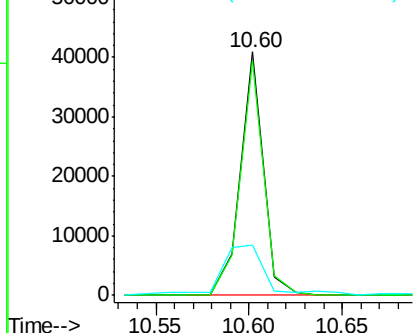
#41
 2,4,6-Tribromophenol
 Concen: 11.08 ng
 RT: 10.60 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF091696.D
 Acq: 17 Dec 2016 2:03

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Tot Ion:330 Resp: 35310
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.2 114.4
 141 39.7 33.6 50.4

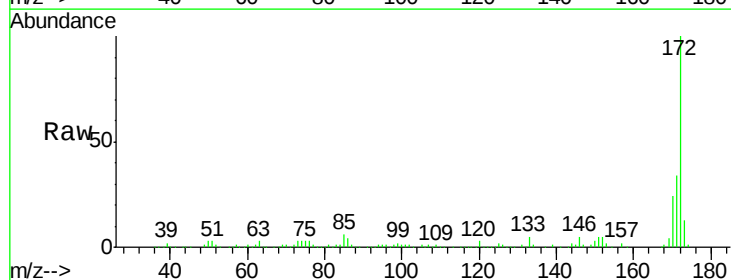


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

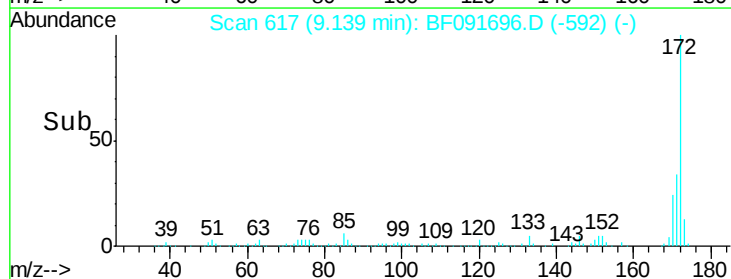
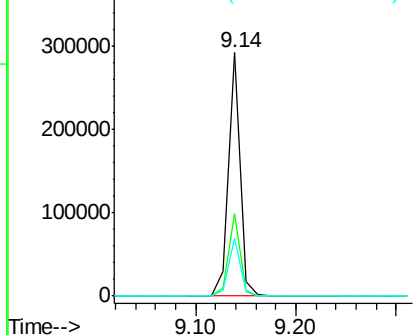


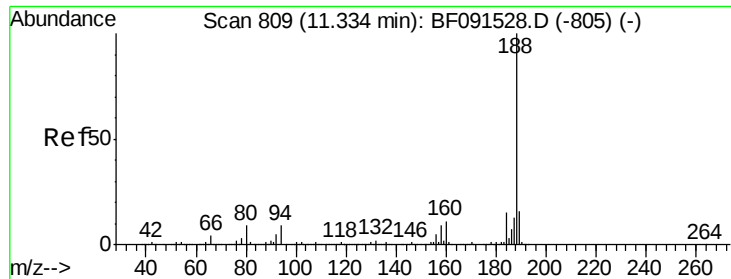
#44
 2-Fluorobiphenyl
 Concen: 10.70 ng
 RT: 9.14 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF091696.D
 Acq: 17 Dec 2016 2:03

Tgt Ion:172 Resp: 237411
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.4 44.0
 170 23.7 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

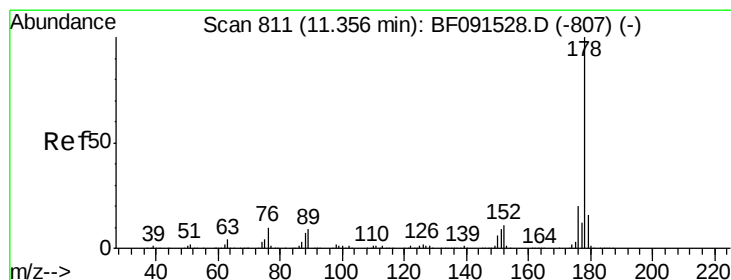
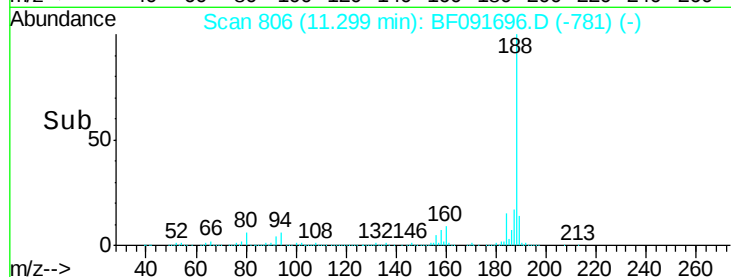
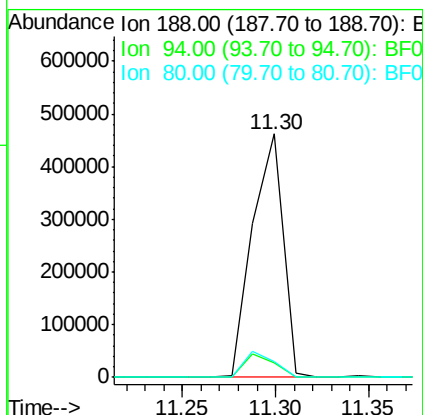
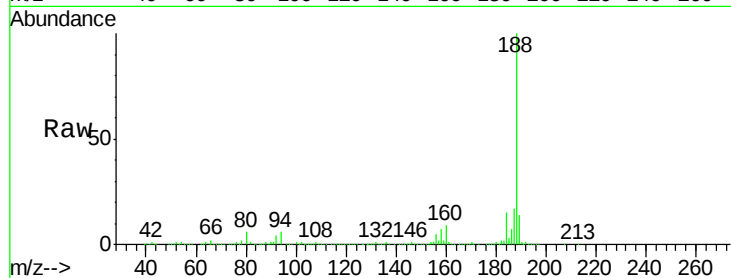




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091696.D
Acq: 17 Dec 2016 2:03

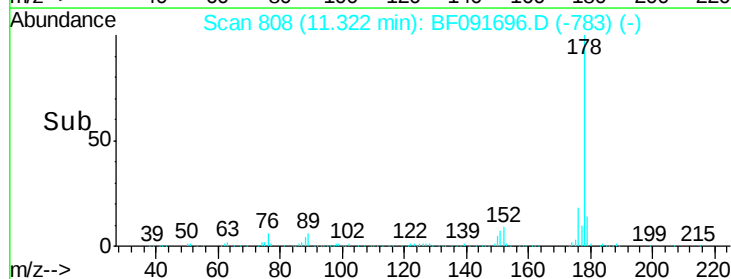
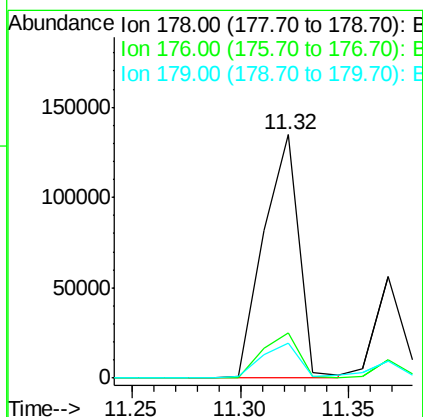
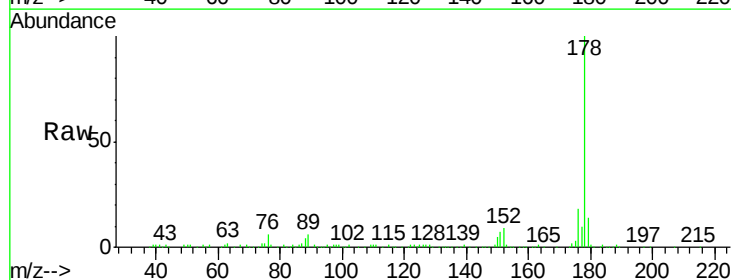
Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

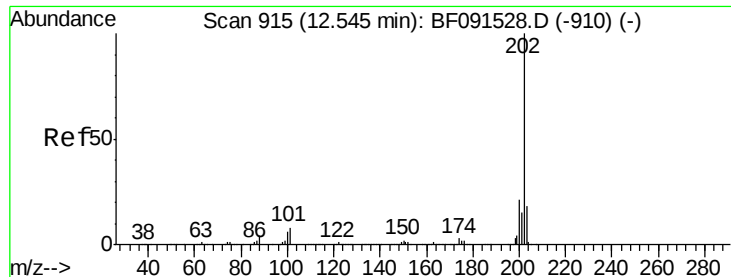
Tot Ion:188 Resp: 527577
Ion Ratio Lower Upper
188 100
94 6.0 9.2 13.8#
80 6.3 10.5 15.7#



#70
Phenanthrene
Concen: 5.79 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF091696.D
Acq: 17 Dec 2016 2:03

Tgt Ion:178 Resp: 151393
Ion Ratio Lower Upper
178 100
176 18.3 15.9 23.9
179 14.1 12.6 18.8





#74

Fluoranthene

Concen: 8.81 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

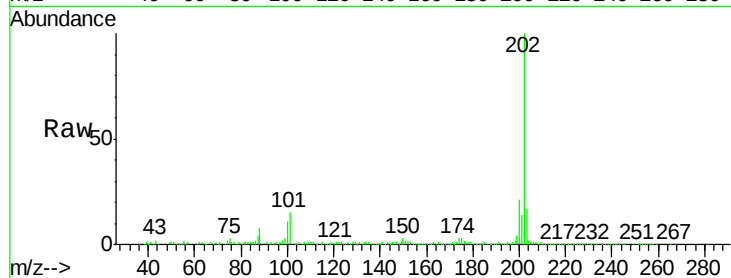
Tot Ion:202 Resp: 240981

Ion Ratio Lower Upper

202 100

101 14.5 0.0 29.5

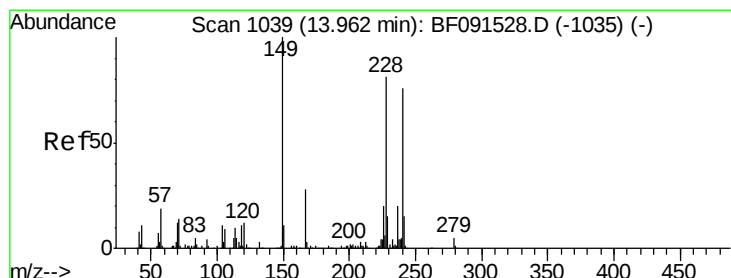
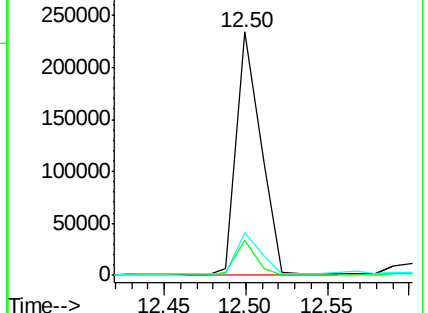
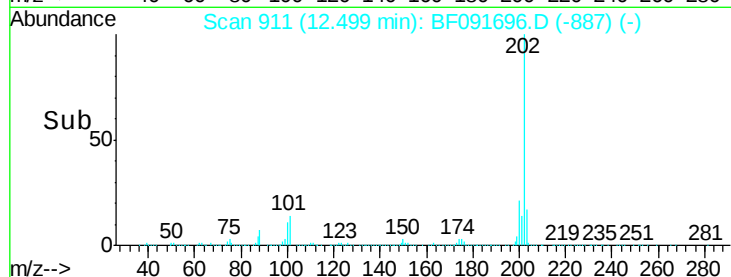
203 17.4 0.0 37.8



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: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

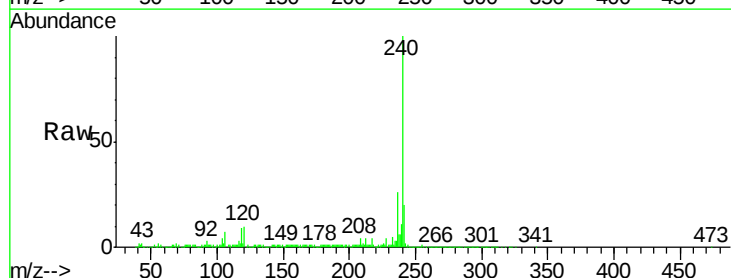
Tgt Ion:240 Resp: 451575

Ion Ratio Lower Upper

240 100

120 9.7 12.1 18.1#

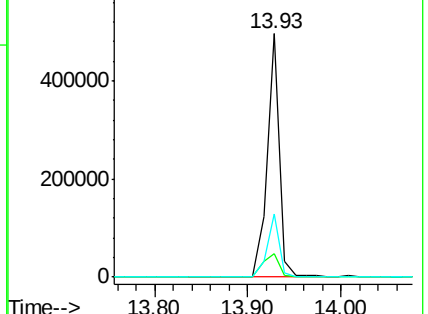
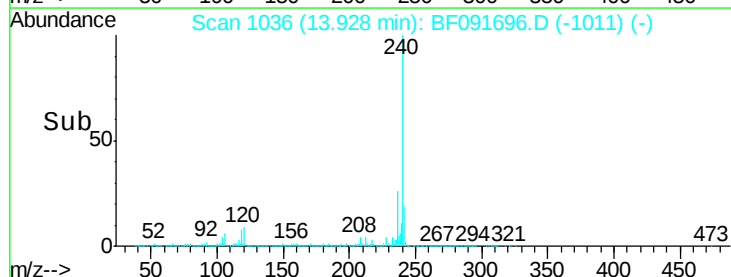
236 26.1 21.0 31.6

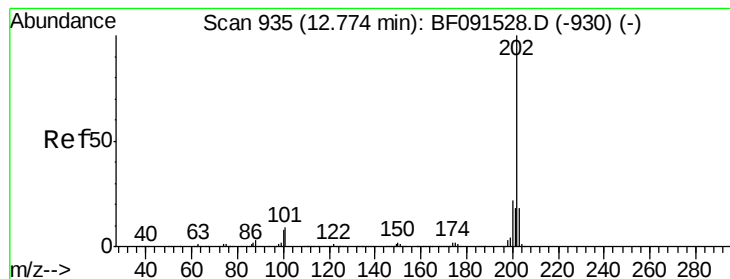


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.93 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

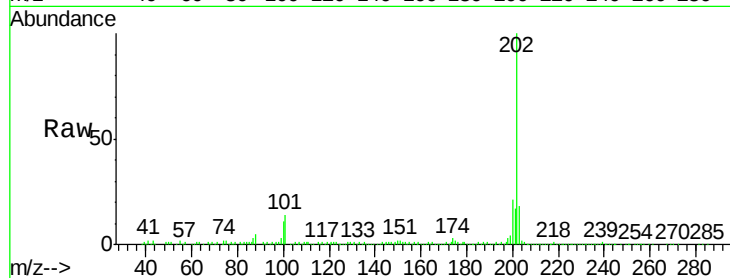
Tot Ion:202 Resp: 212480

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

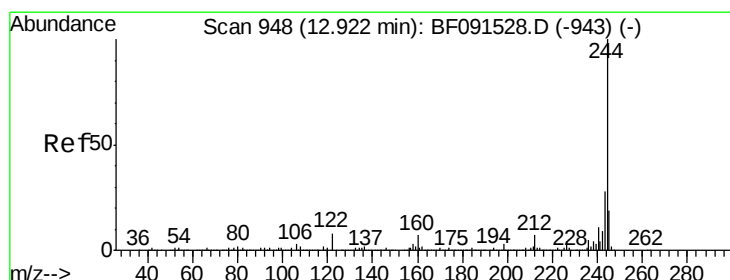
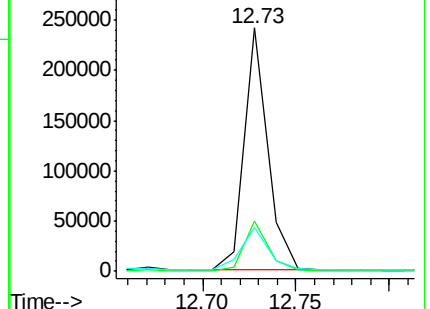
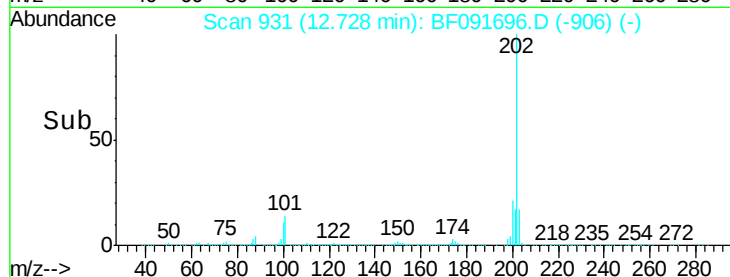
203 18.0 14.0 21.0



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: 7.77 ng

RT: 12.88 min Scan# 944

Delta R.T. -0.02 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

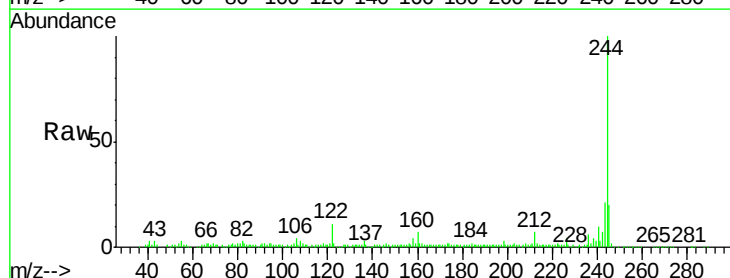
Tgt Ion:244 Resp: 154658

Ion Ratio Lower Upper

244 100

212 6.6 6.5 9.7

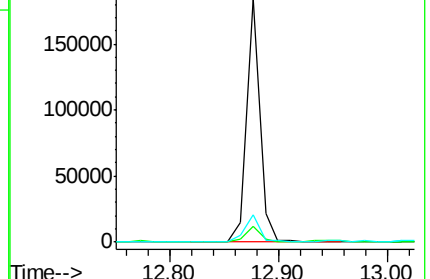
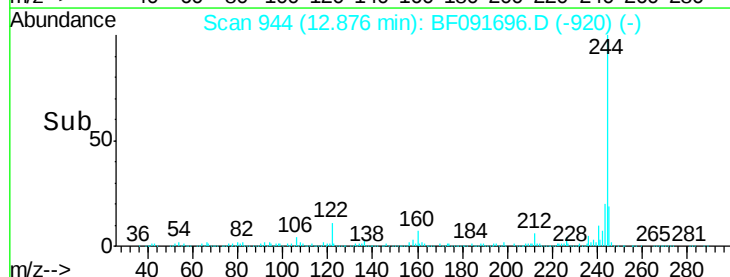
122 11.1 9.5 14.3

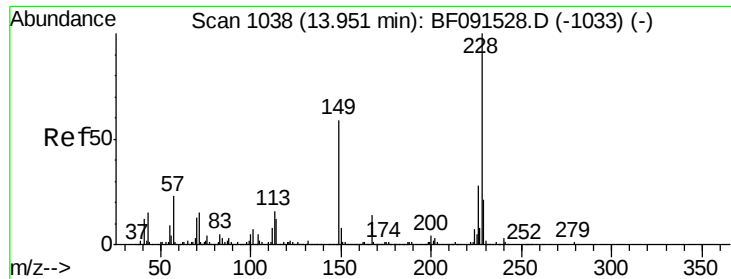


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.85 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

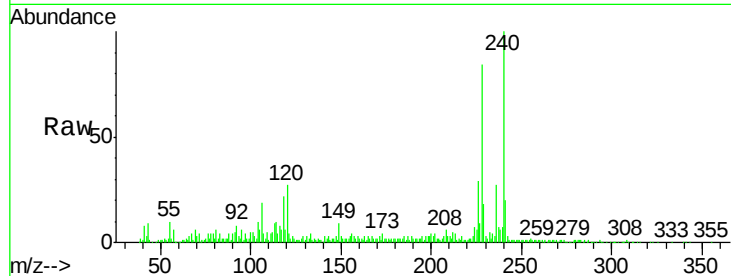
Tot Ion:228 Resp: 101010

Ion Ratio Lower Upper

228 100

226 34.5 22.5 33.7#

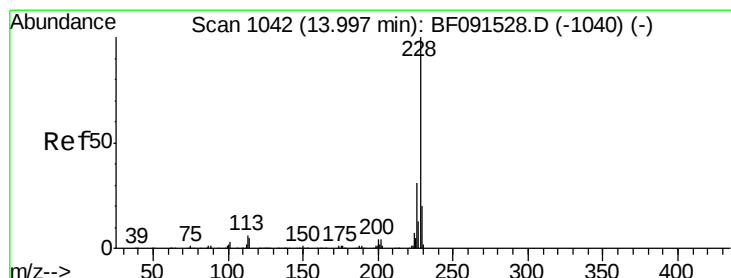
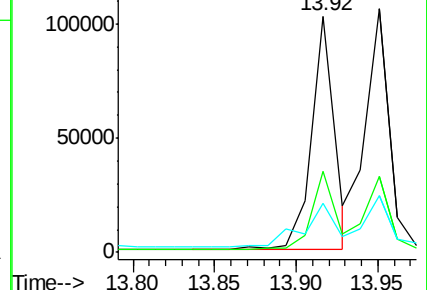
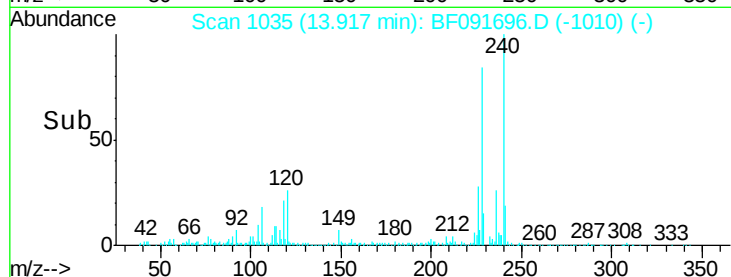
229 20.9 16.4 24.6



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: 3.99 ng m

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

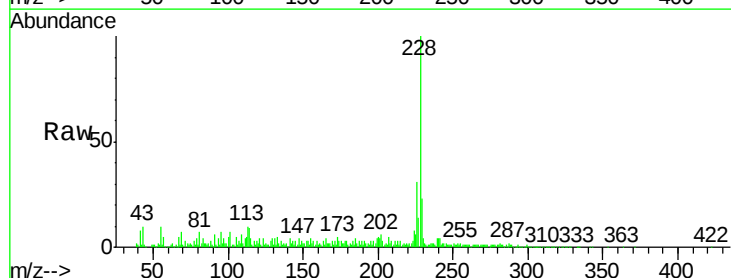
Tgt Ion:228 Resp: 109354

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.4

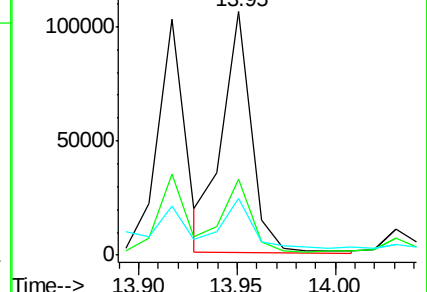
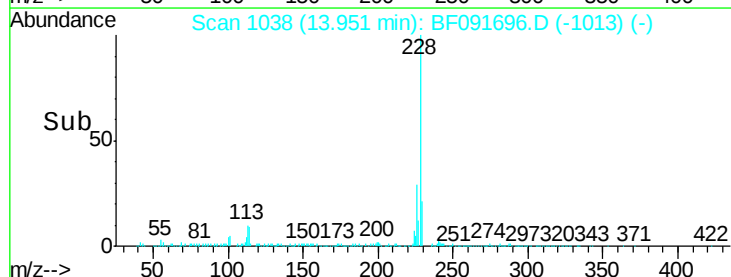
229 23.3 16.0 24.0

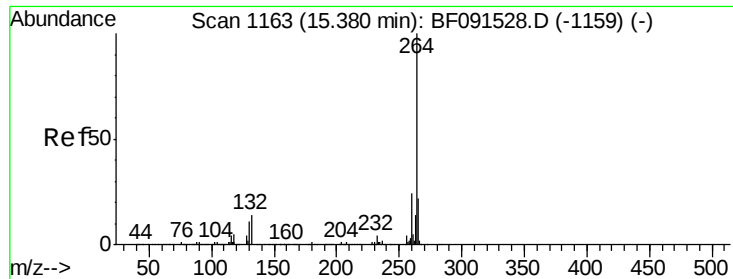


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

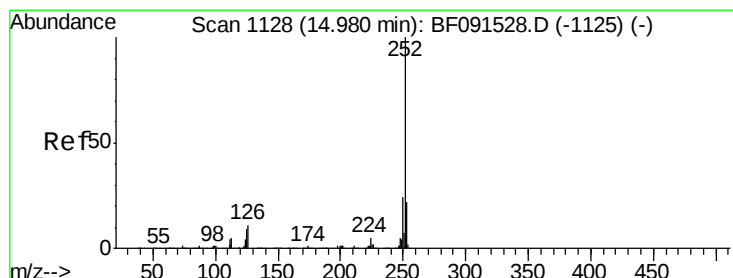
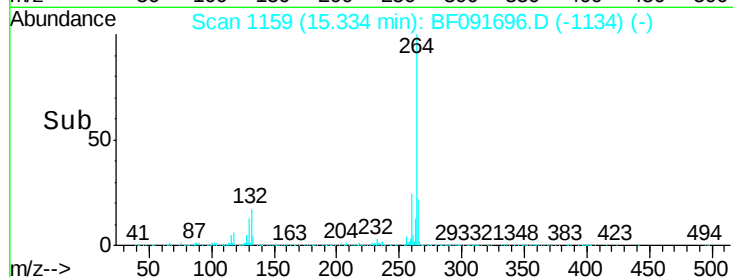
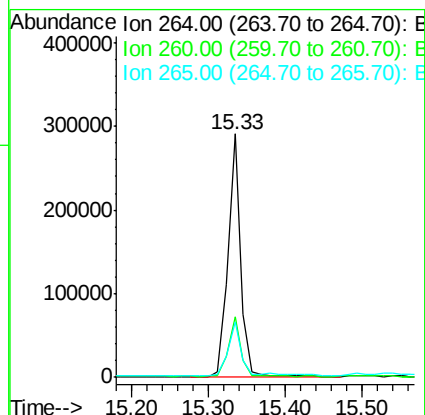
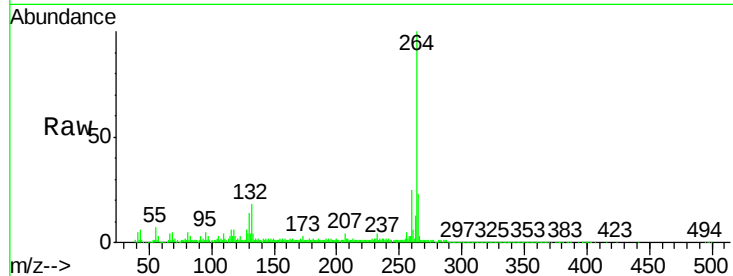




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF091696.D
Acq: 17 Dec 2016 2:03

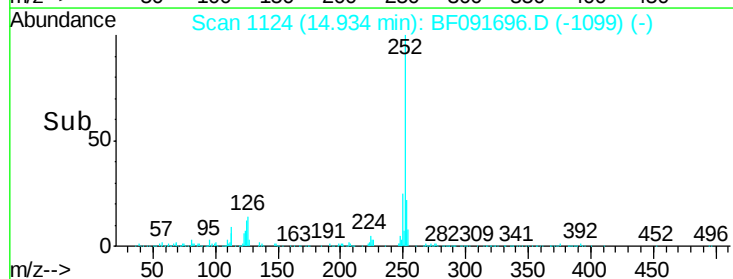
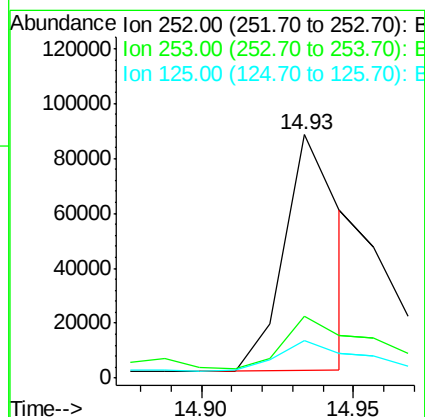
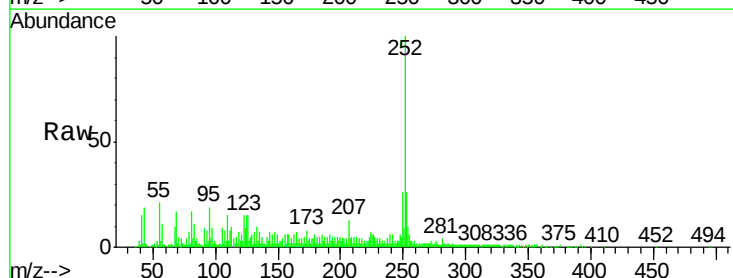
Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

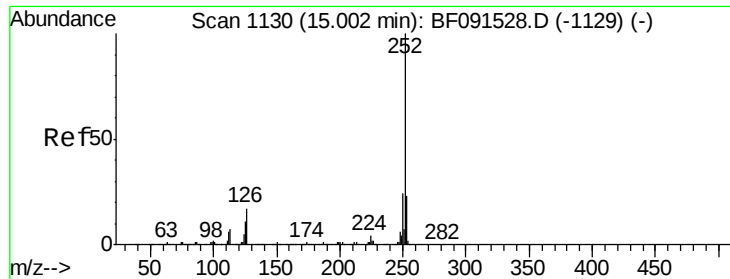
Tot Ion:264 Resp: 339866
Ion Ratio Lower Upper
264 100
260 24.8 18.8 28.2
265 22.8 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 5.47 ng m
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF091696.D
Acq: 17 Dec 2016 2:03

Tgt Ion:252 Resp: 110771
Ion Ratio Lower Upper
252 100
253 25.5 18.2 27.2
125 15.2 8.6 13.0#





#88

Benzo(k)fluoranthene

Concen: 2.66 ng m

RT: 14.95 min Scan# 1125

Delta R.T. -0.03 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

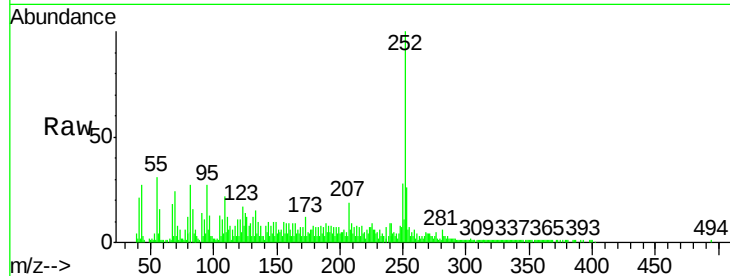
Tot Ion:252 Resp: 47313

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.8

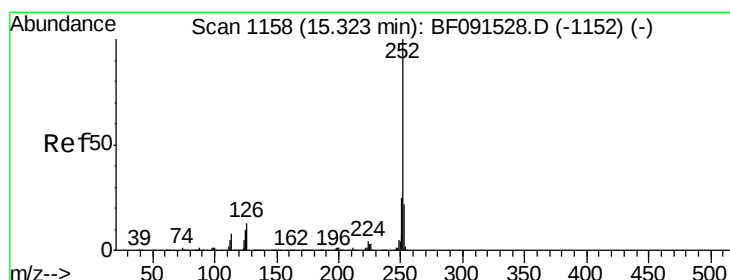
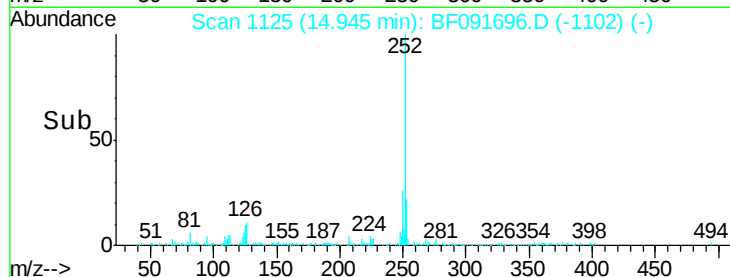
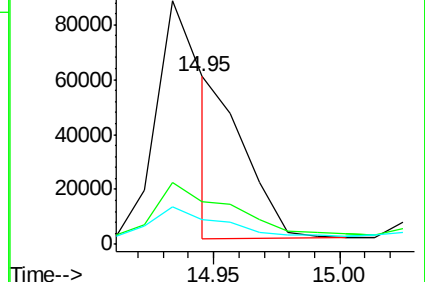
125 14.5 9.6 14.4#



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: 4.22 ng

RT: 15.28 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BF091696.D

Acq: 17 Dec 2016 2:03

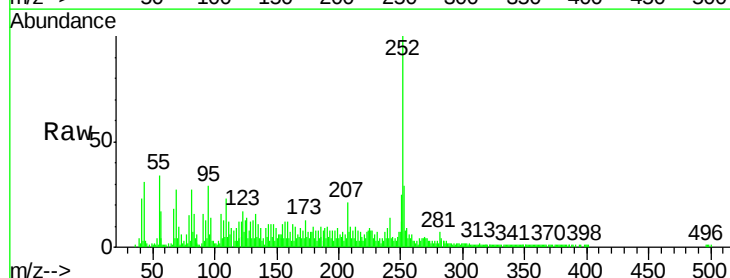
Tgt Ion:252 Resp: 77031

Ion Ratio Lower Upper

252 100

253 28.7 18.2 27.4#

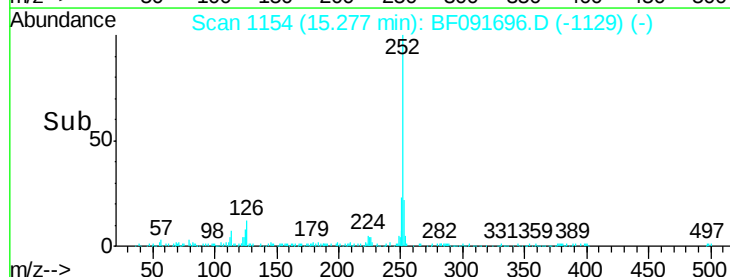
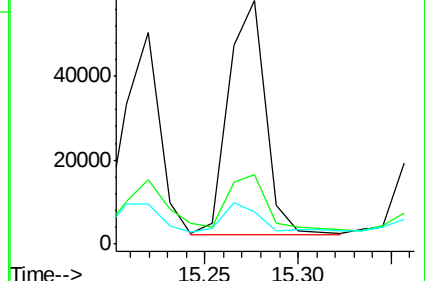
125 13.2 10.4 15.6

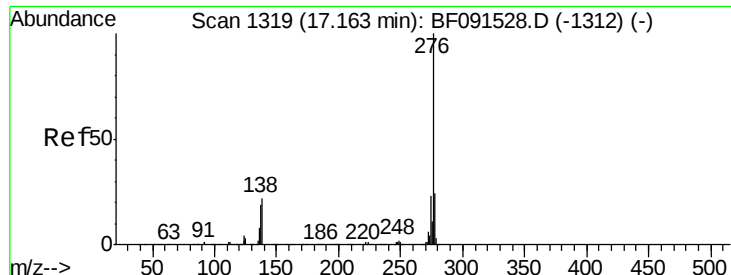


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 2.95 ng
 RT: 17.08 min Scan# 1312
 Delta R.T. -0.03 min
 Lab File: BF091696.D
 Acq: 17 Dec 2016 2:03

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.0	19.0	28.4#
138	28.3	15.4	23.0#

