

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
 Data File : BF091765.D
 Acq On : 19 Dec 2016 5:20
 Operator : UM/SJ
 Sample : H6099-14 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Quant Time: Dec 19 06:23:24 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

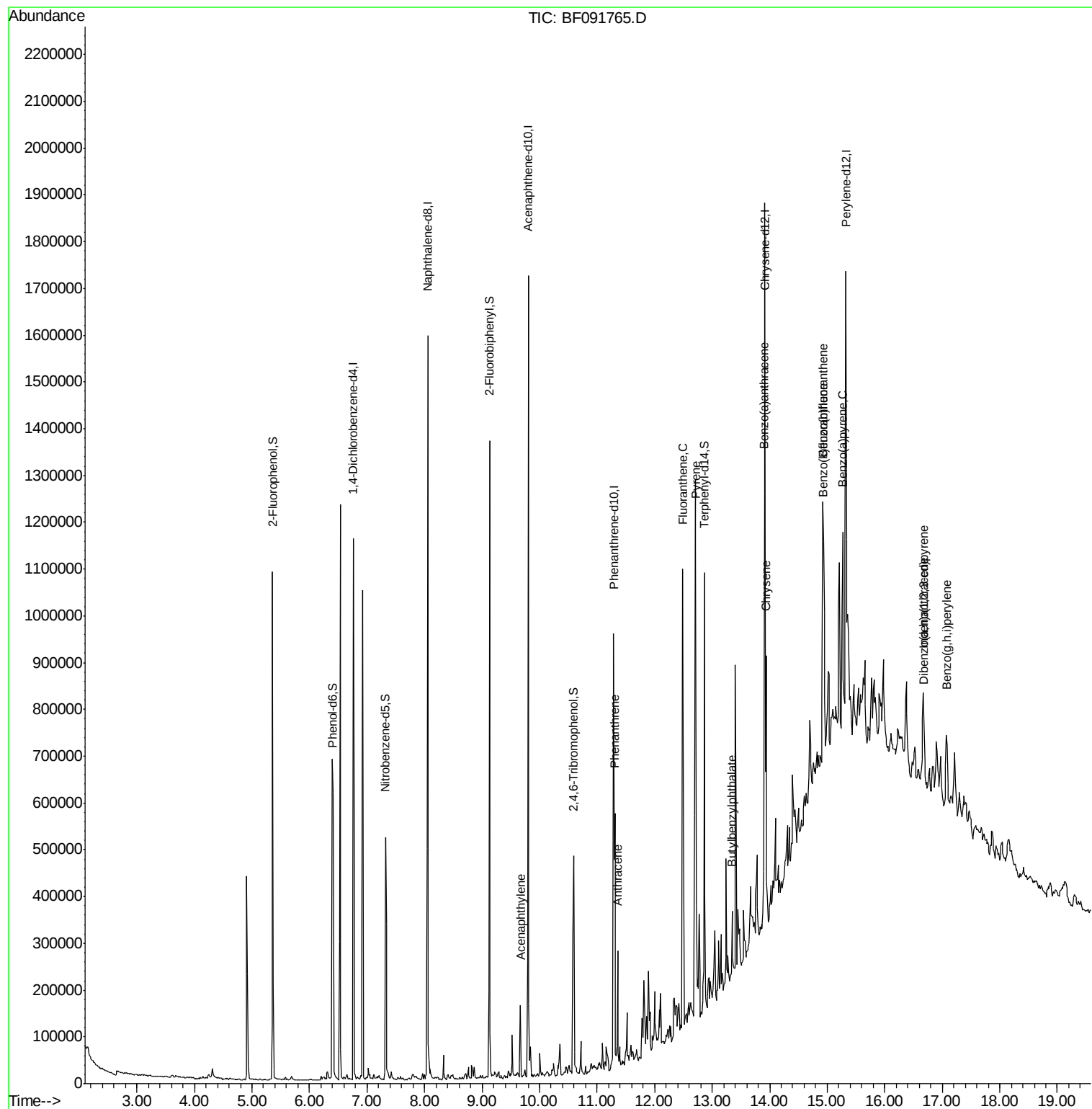
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	187548m	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	754016	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	343211	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	490630	20.00	ng	0.00
75) Chrysene-d12	13.92	240	451995	20.00	ng	-0.01
86) Perylene-d12	15.32	264	450833	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	295053	26.36	ng	-0.01
7) Phenol-d6	6.41	99	339132	24.84	ng	-0.01
23) Nitrobenzene-d5	7.32	82	221877	16.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	70260	24.14	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	400518	23.44	ng	-0.01
78) Terphenyl-d14	12.87	244	272652	15.23	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.66	152	64705	2.27	ng	97
70) Phenanthrene	11.31	178	285669	11.65	ng	97
71) Anthracene	11.36	178	93092	3.59	ng	95
74) Fluoranthene	12.49	202	433630	16.94	ng	99
77) Pyrene	12.72	202	403271	12.35	ng	98
79) Butylbenzylphthalate	13.35	149	34085	2.23	ng	98
80) Benzo(a)anthracene	13.91	228	219617m	8.49	ng	
82) Chrysene	13.94	228	236505m	8.83	ng	
85) Indeno(1,2,3-cd)pyrene	16.67	276	145876	5.54	ng	# 93
87) Benzo(b)fluoranthene	14.92	252	275483m	9.64	ng	
88) Benzo(k)fluoranthene	14.93	252	140366m	7.00	ng	
89) Benzo(a)pyrene	15.27	252	218318	8.90	ng	98
90) Dibenzo(a,h)anthracene	16.68	278	44799	2.09	ng	# 78
91) Benzo(g,h,i)perylene	17.07	276	142309	6.55	ng	# 94

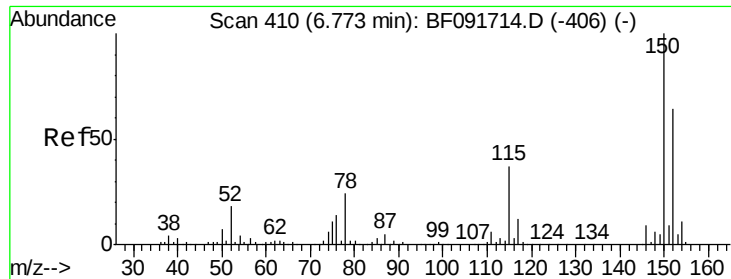
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091765.D
Acq On : 19 Dec 2016 5:20
Operator : UM/SJ
Sample : H6099-14 5X
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

Quant Time: Dec 19 06:23:24 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng/mL

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

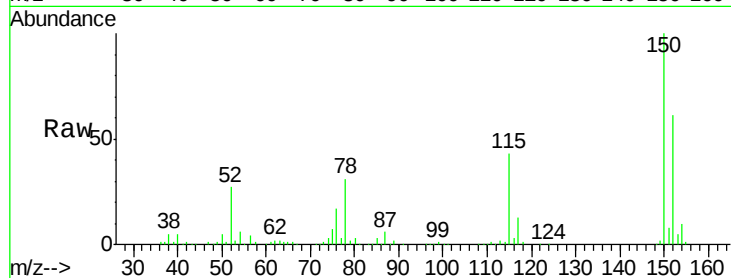
Tot Ion:152 Resp: 187548

Ion Ratio Lower Upper

152 100

150 163.7 124.9 187.3

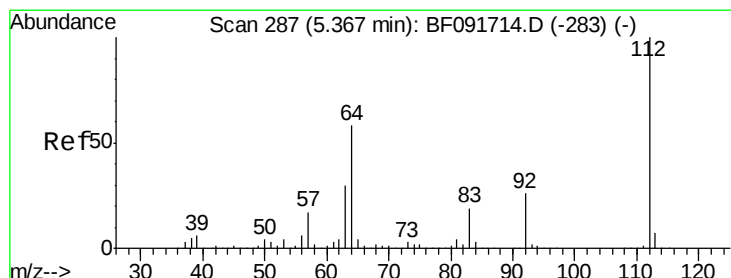
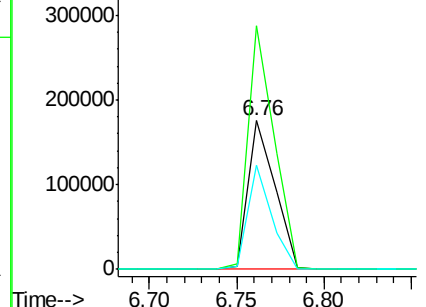
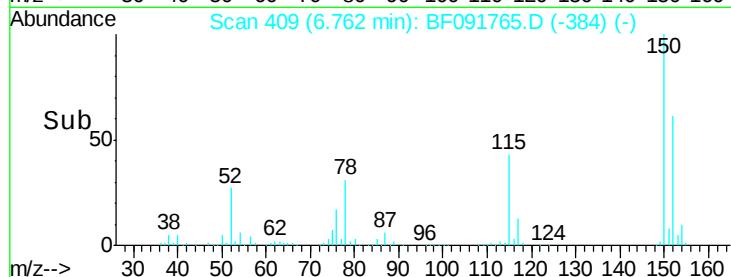
115 70.2 46.0 69.0#



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: 26.36 ng/mL

RT: 5.36 min Scan# 286

Delta R.T. -0.01 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

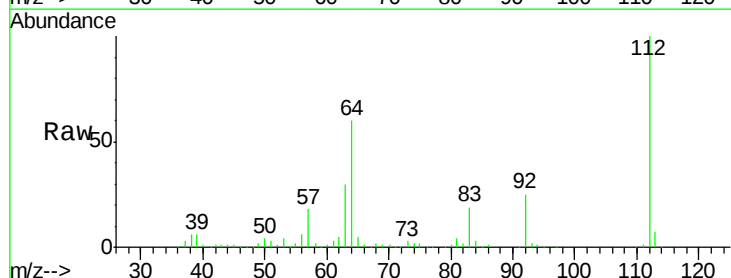
Tgt Ion:112 Resp: 295053

Ion Ratio Lower Upper

112 100

64 60.2 46.1 69.1

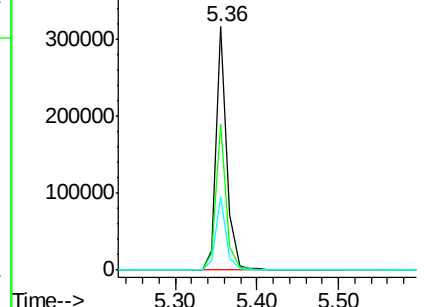
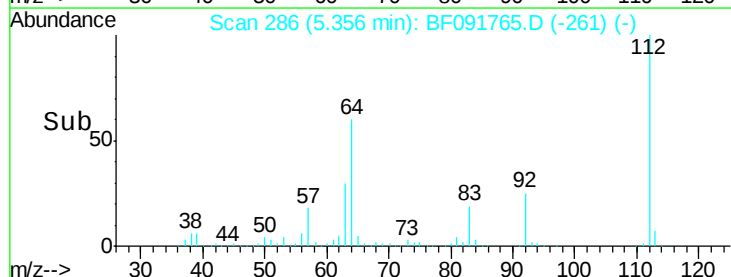
63 30.3 23.8 35.6

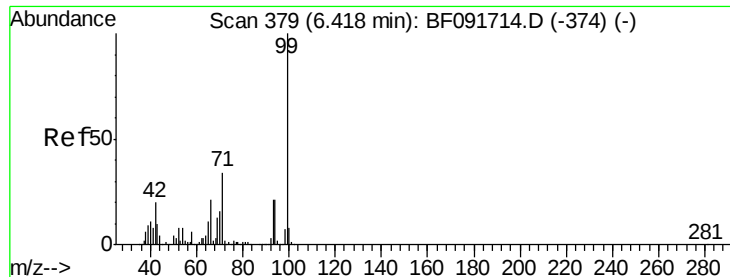


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.84 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.01 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

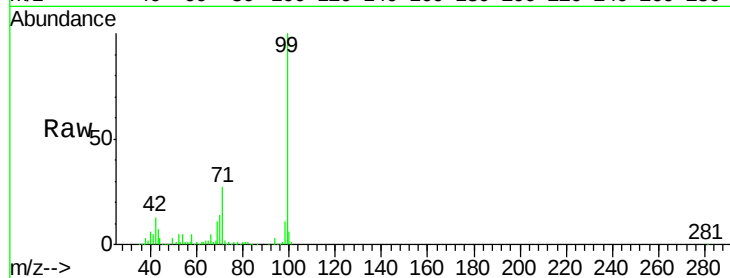
Tot Ion: 99 Resp: 339132

Ion Ratio Lower Upper

99 100

42 13.1 15.6 23.4#

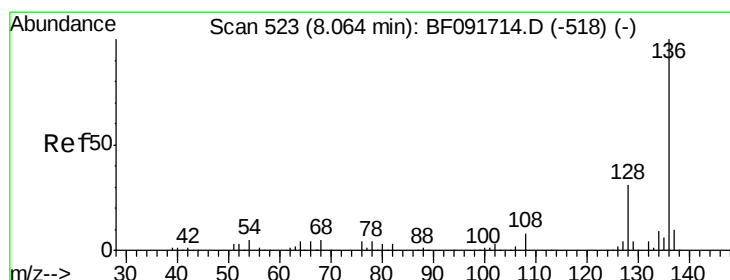
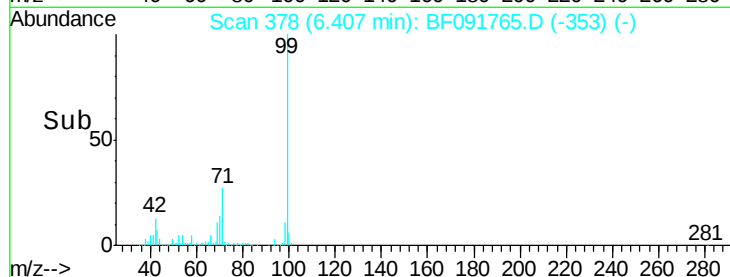
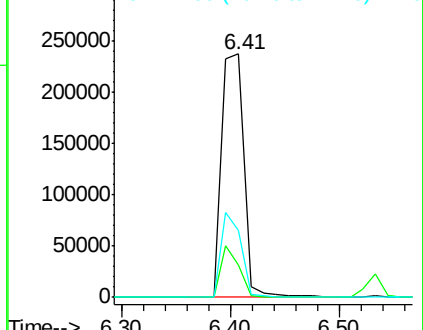
71 27.5 27.5 41.3#



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: BF091765.D

Acq: 19 Dec 2016 5:20

Tgt Ion: 136 Resp: 754016

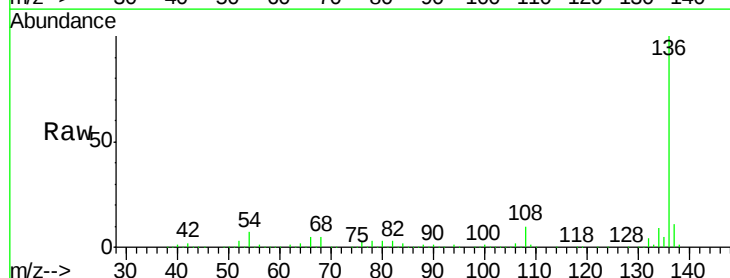
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 6.5 4.5 6.7

68 5.3 3.6 5.4

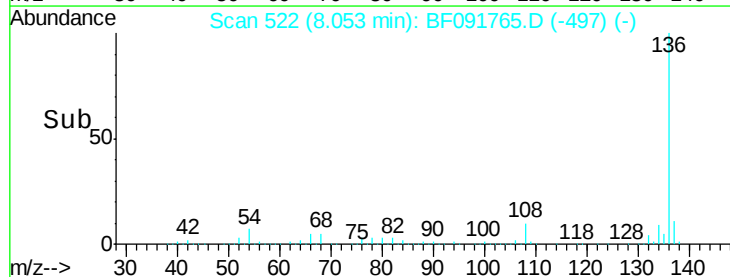
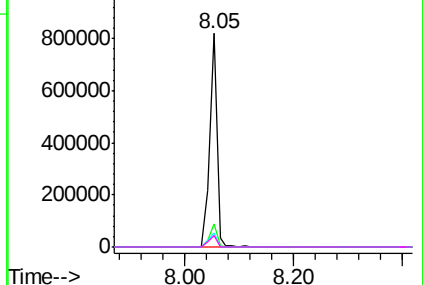


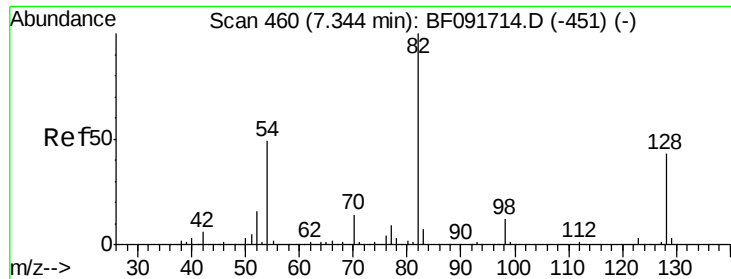
Abundance Ion 136.00 (135.70 to 136.70): E

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

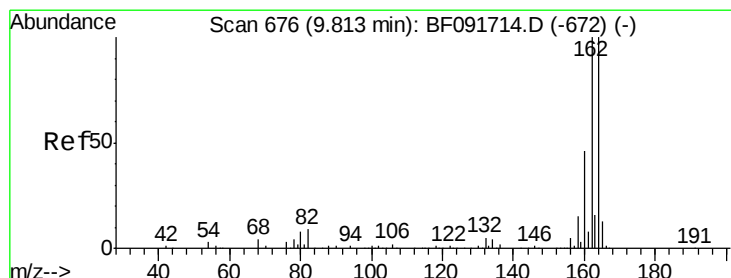
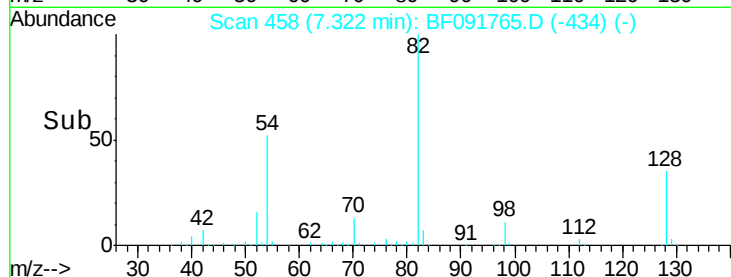
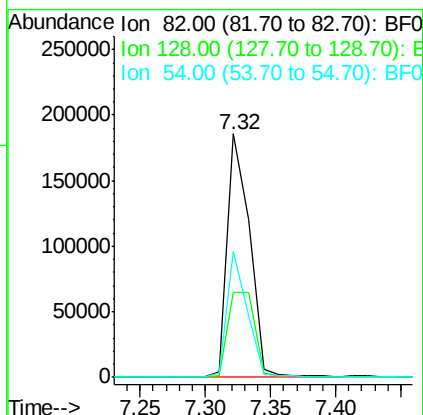
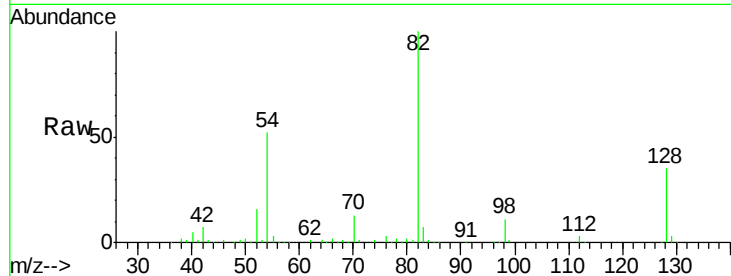




#23
 Nitrobenzene-d5
 Concen: 16.97 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.02 min
 Lab File: BF091765.D
 Acq: 19 Dec 2016 5:20

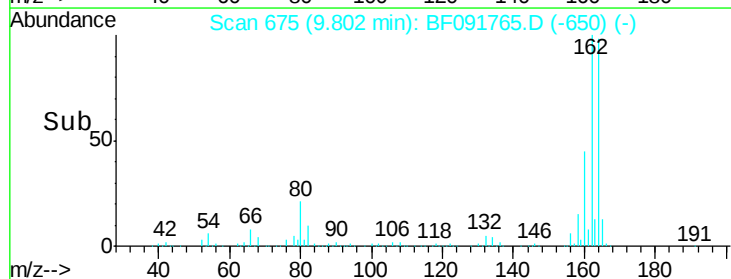
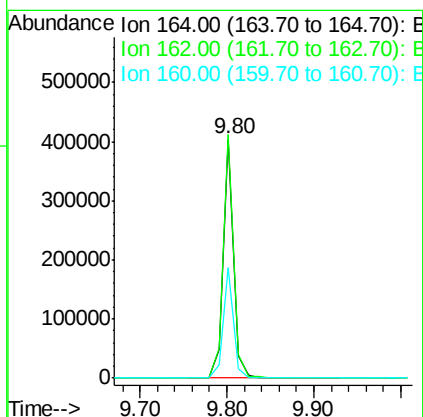
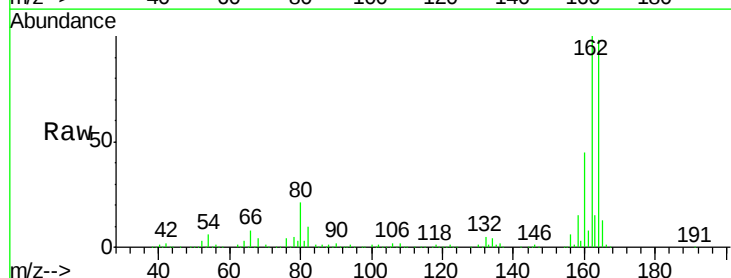
Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

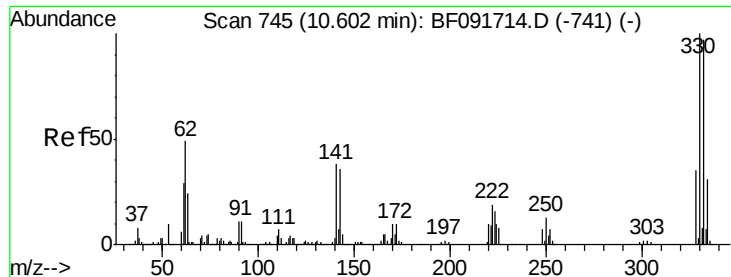
Tot Ion	82	Resp	221877
Ion Ratio	100	Lower	Upper
128	34.9	34.6	52.0
54	51.8	39.5	59.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.01 min
 Lab File: BF091765.D
 Acq: 19 Dec 2016 5:20

Tgt Ion	164	Resp	343211
Ion Ratio	100	Lower	Upper
162	102.0	80.2	120.2
160	46.3	36.9	55.3

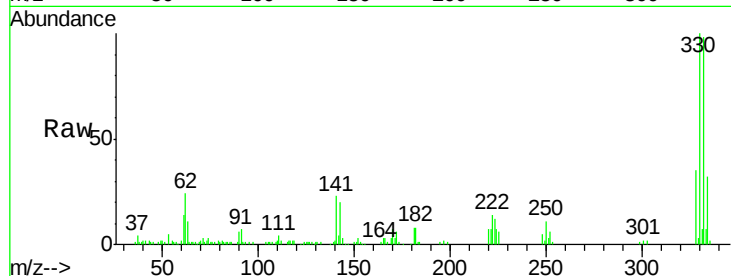




#41
 2,4,6-Tribromophenol
 Concen: 24.14 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF091765.D
 Acq: 19 Dec 2016 5:20

Instrument :
 BNA_F
 ClientSampleId :
 TP12-2.5-3FT

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.4	116.2
141	38.2	34.1	51.1

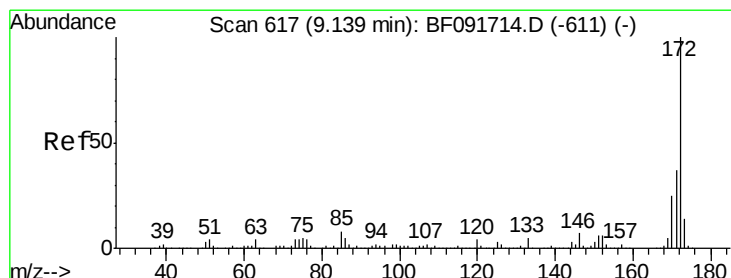
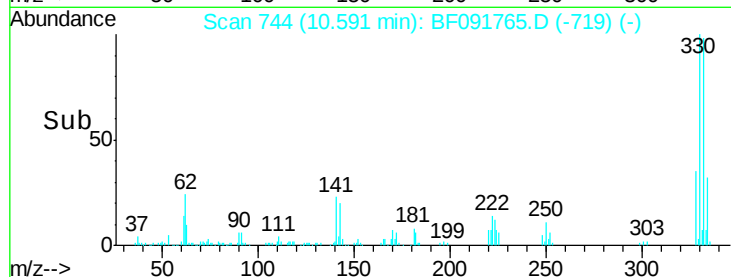
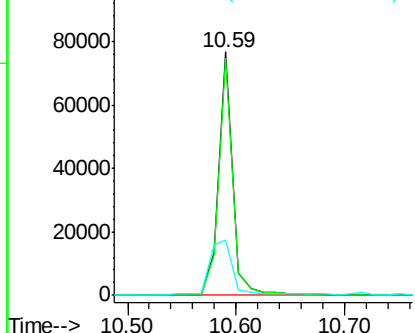


Abundance

Ion 329.80 (329.50 to 330.50): E

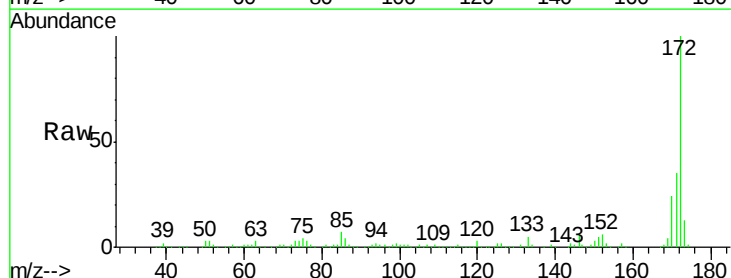
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 23.44 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF091765.D
 Acq: 19 Dec 2016 5:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.4	44.0
170	23.6	20.2	30.4

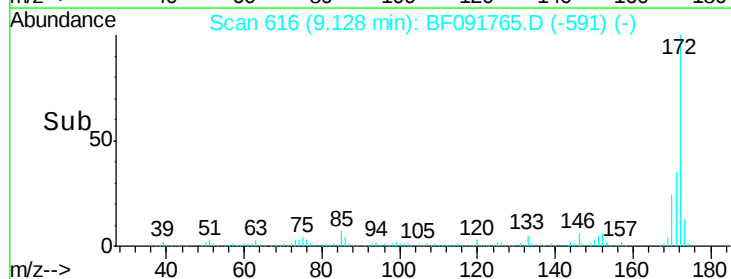
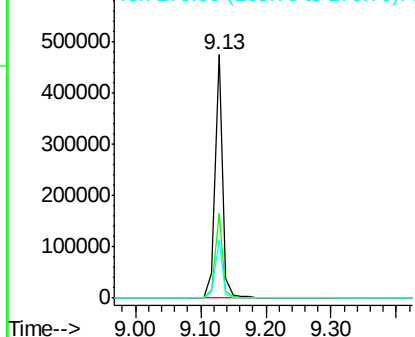


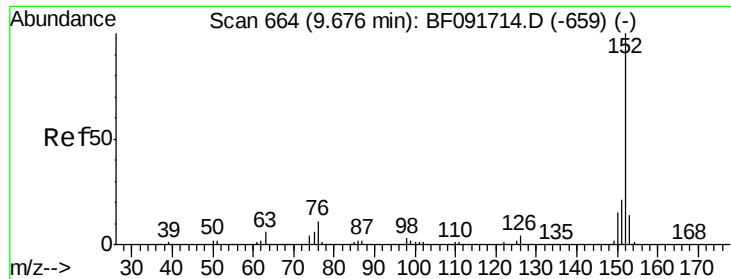
Abundance

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





#48

Acenaphthylene

Concen: 2.27 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

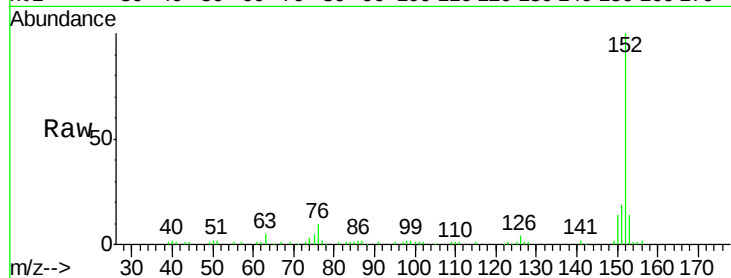
Tot Ion:152 Resp: 64705

Ion Ratio Lower Upper

152 100

151 19.2 16.9 25.3

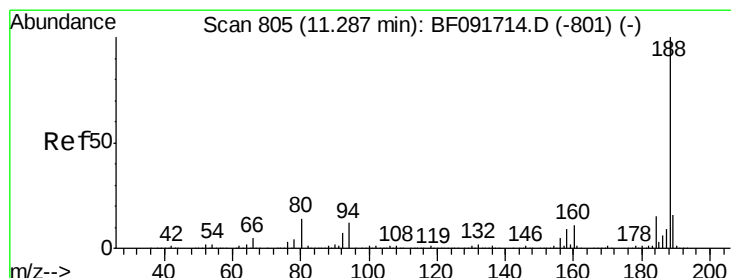
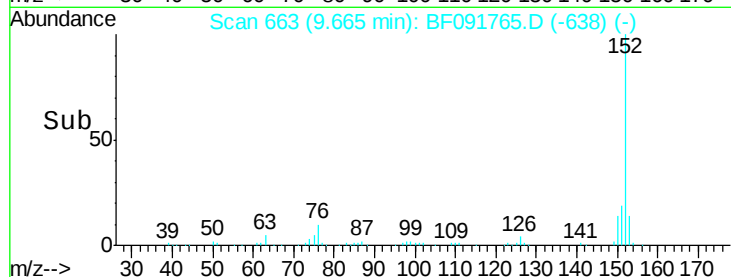
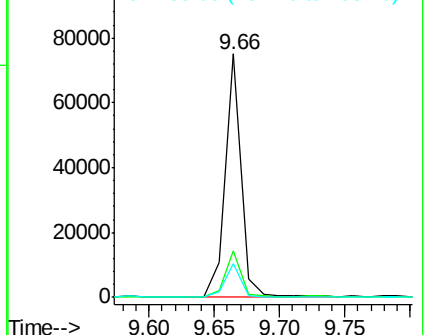
153 14.1 11.4 17.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

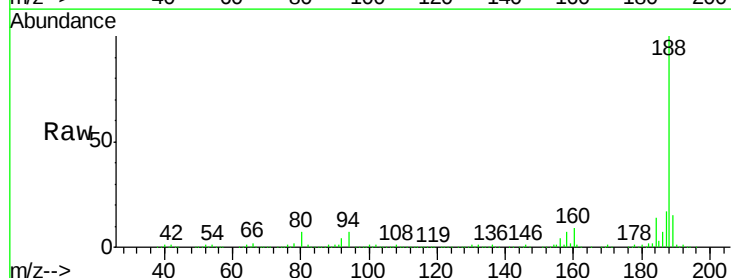
Tgt Ion:188 Resp: 490630

Ion Ratio Lower Upper

188 100

94 6.8 10.0 15.0#

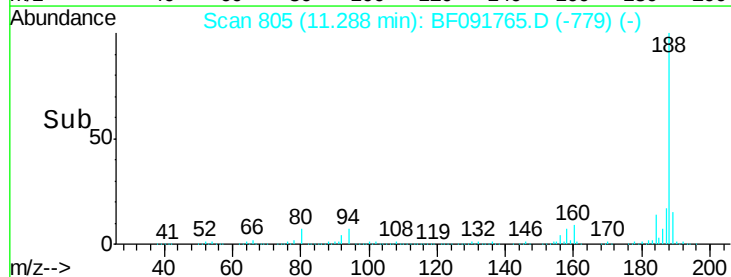
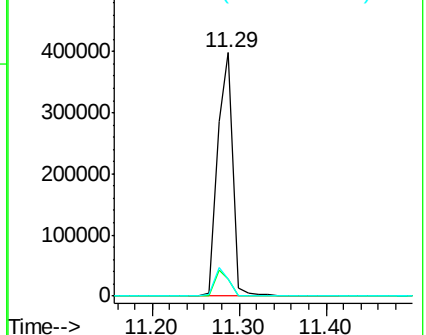
80 6.8 11.2 16.8#

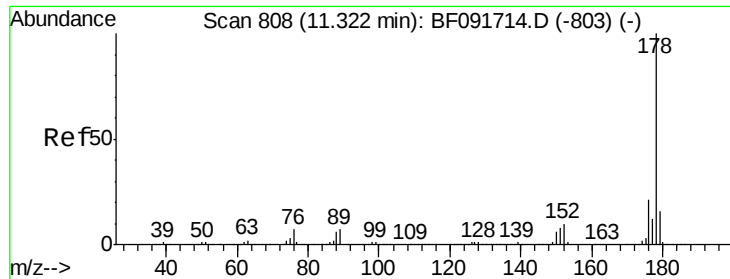


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

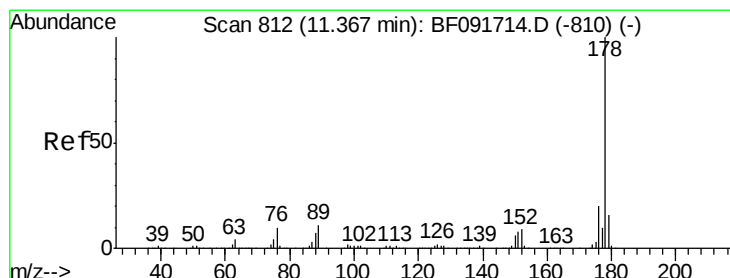
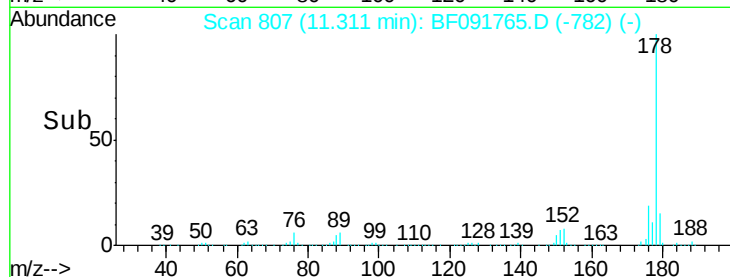
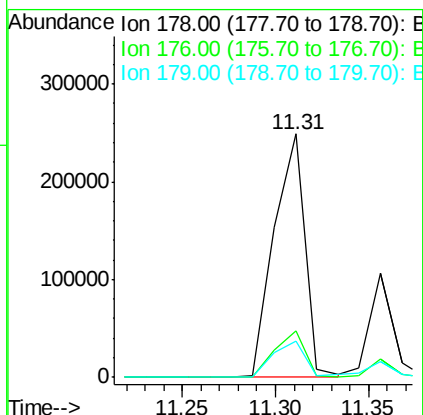
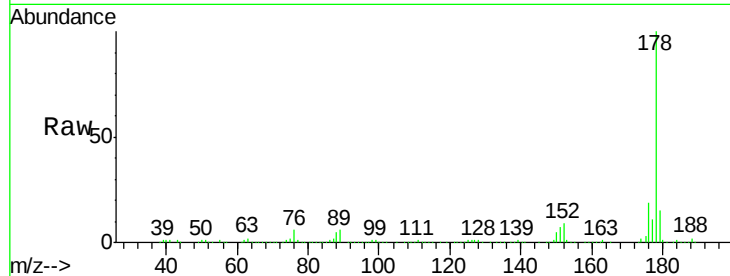




#70
Phenanthrene
Concen: 11.65 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF091765.D
Acq: 19 Dec 2016 5:20

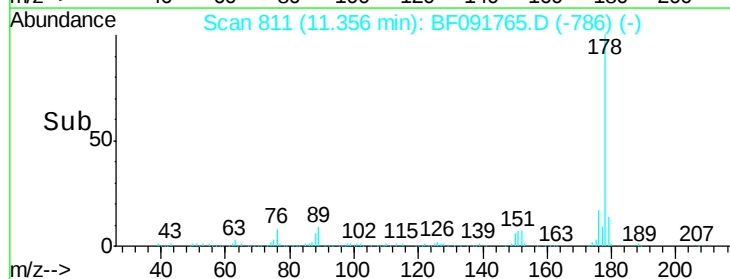
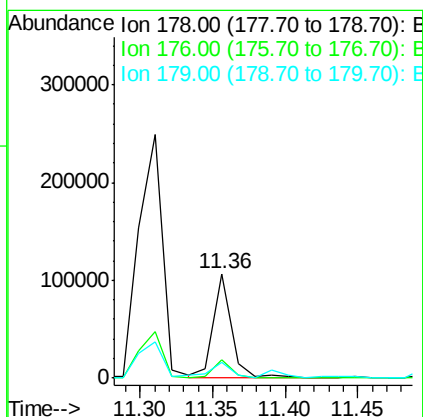
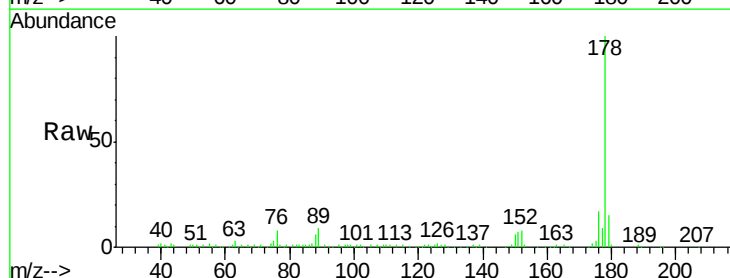
Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

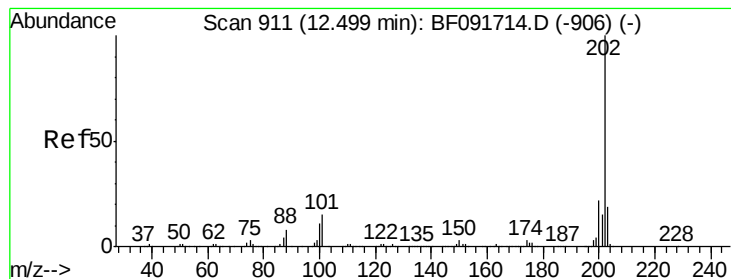
Tot Ion:178 Resp: 285669
Ion Ratio Lower Upper
178 100
176 18.9 16.6 25.0
179 14.9 12.8 19.2



#71
Anthracene
Concen: 3.59 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF091765.D
Acq: 19 Dec 2016 5:20

Tgt Ion:178 Resp: 93092
Ion Ratio Lower Upper
178 100
176 17.1 15.9 23.9
179 14.6 13.2 19.8





#74

Fluoranthene

Concen: 16.94 ng

RT: 12.49 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

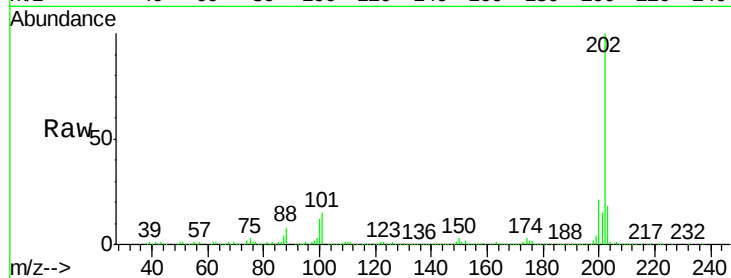
Tot Ion:202 Resp: 433630

Ion Ratio Lower Upper

202 100

101 15.3 0.0 34.6

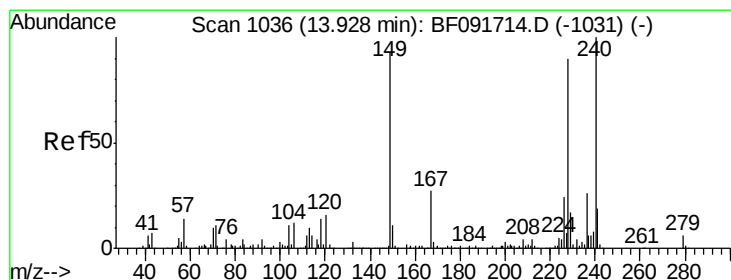
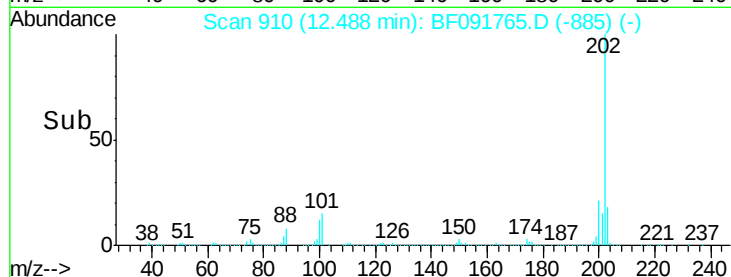
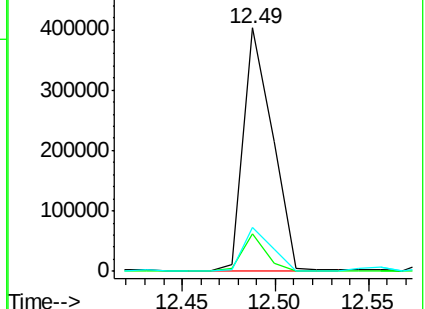
203 18.2 0.0 38.7



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: BF091765.D

Acq: 19 Dec 2016 5:20

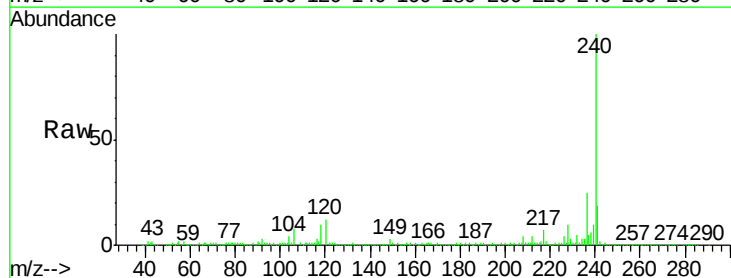
Tgt Ion:240 Resp: 451995

Ion Ratio Lower Upper

240 100

120 11.5 12.9 19.3#

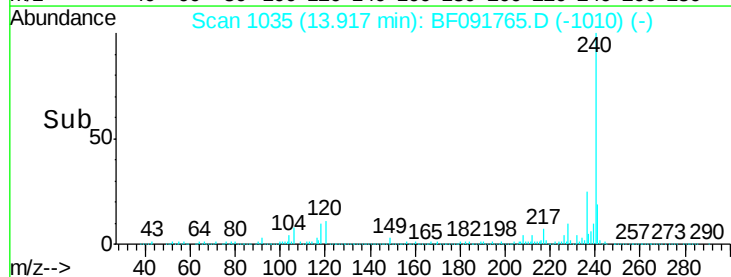
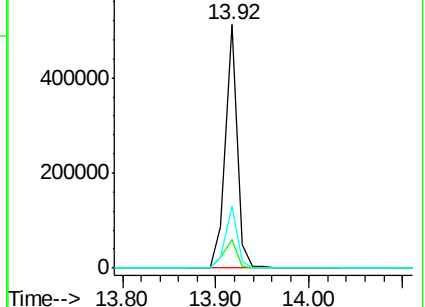
236 25.5 20.9 31.3

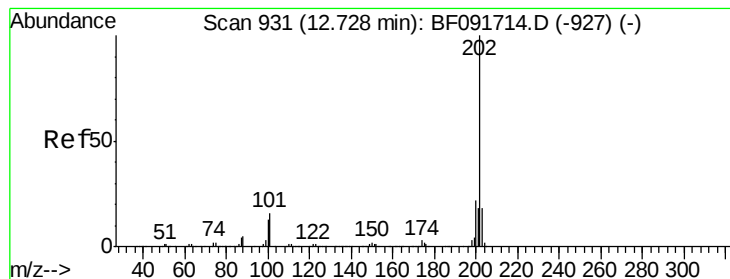


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.35 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

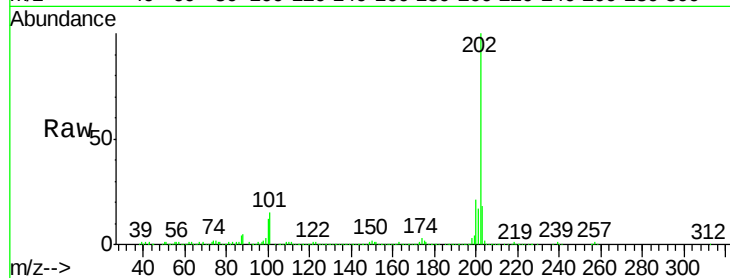
Tot Ion:202 Resp: 403271

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

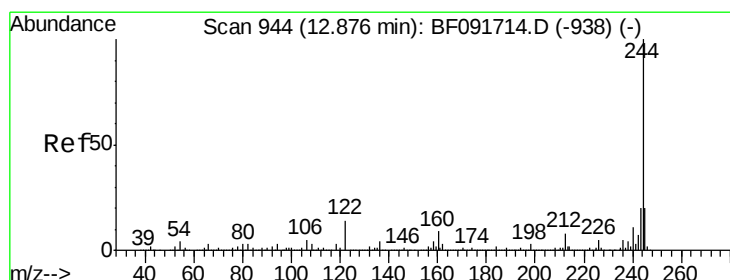
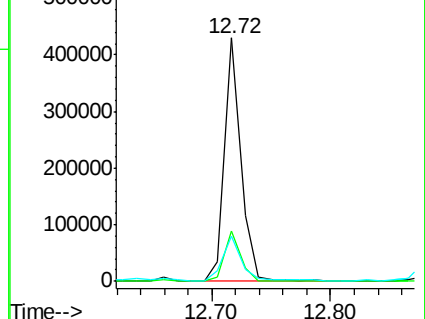
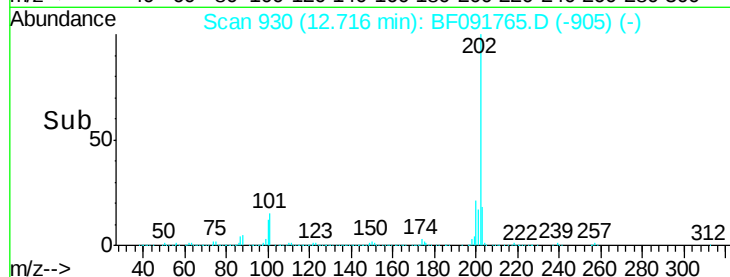
203 18.3 14.7 22.1



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: 15.23 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

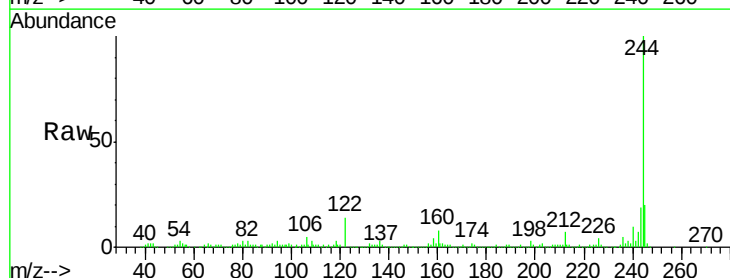
Tgt Ion:244 Resp: 272652

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

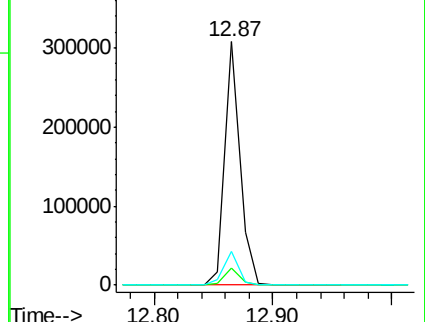
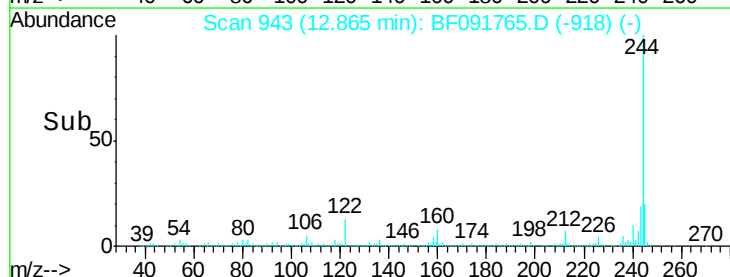
122 13.7 11.4 17.2

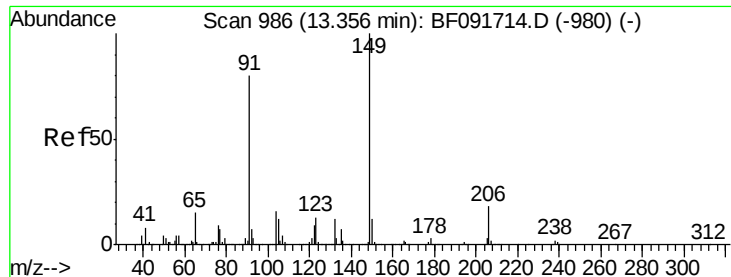


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

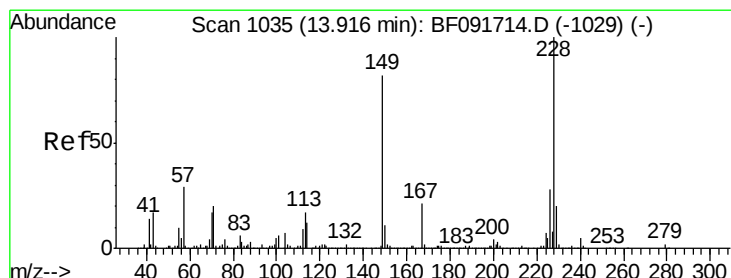
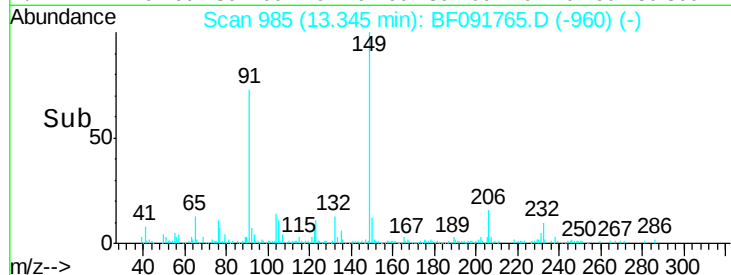
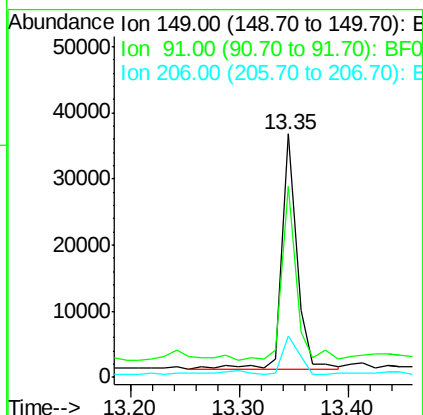
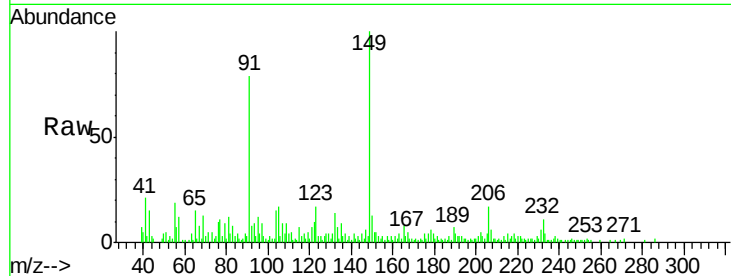




#79
Butylbenzylphthalate
Concen: 2.23 ng
RT: 13.35 min Scan# 985
Delta R.T. -0.01 min
Lab File: BF091765.D
Acq: 19 Dec 2016 5:20

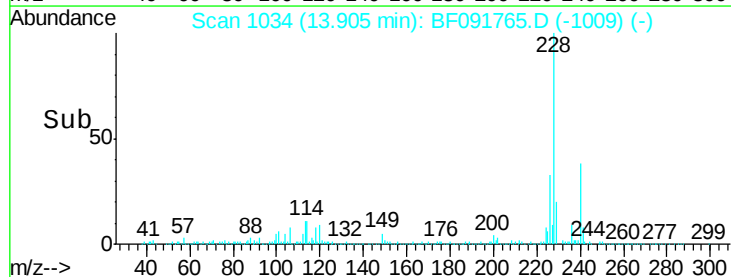
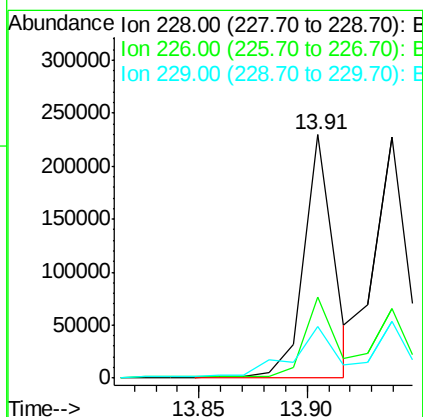
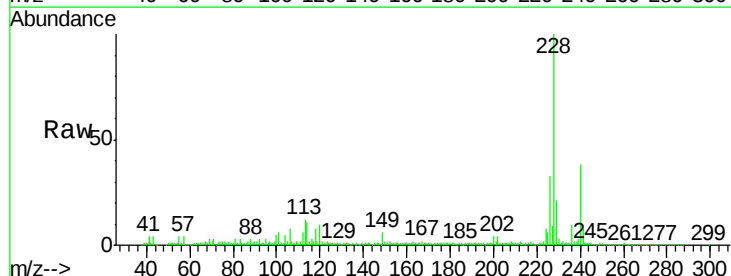
Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

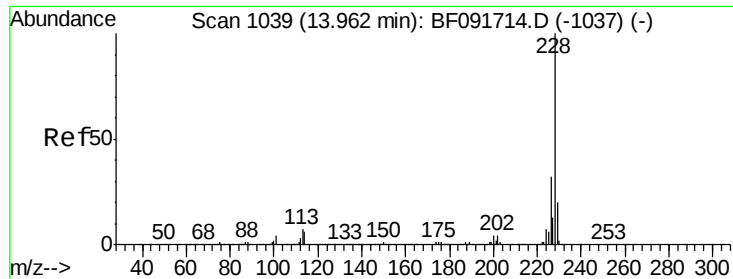
Tot Ion	Ion	Ratio	Lower	Upper
149	100			
91	78.6	63.9	95.9	
206	17.0	14.6	21.8	



#80
Benzo(a)anthracene
Concen: 8.49 ng m
RT: 13.91 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF091765.D
Acq: 19 Dec 2016 5:20

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	33.4	22.4	33.6	
229	21.1	16.2	24.4	





#82

Chrysene

Concen: 8.83 ng/mL

RT: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

Instrument:

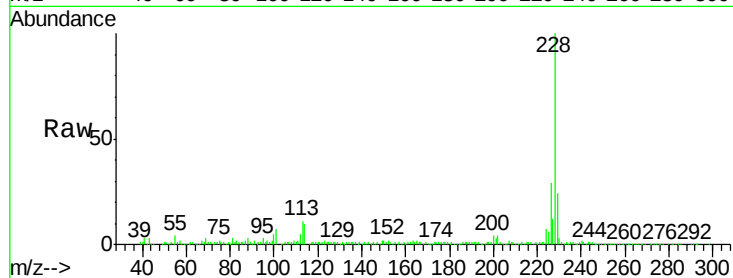
BNA_F

ClientSampleID:

TP12-2.5-3FT

Tot Ion: 228 Resp: 236505

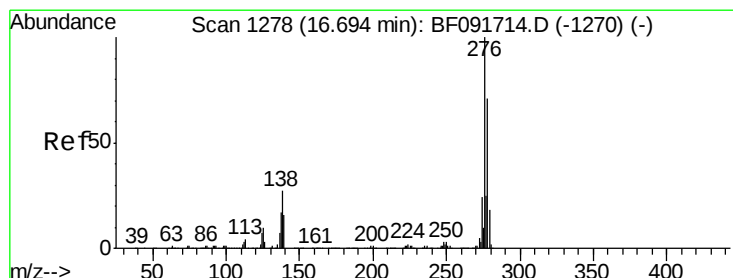
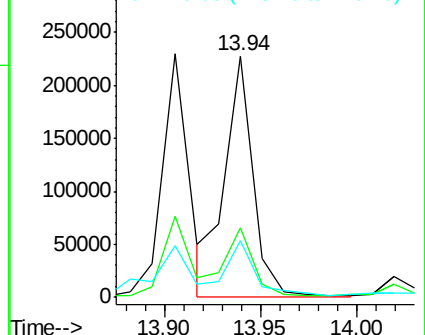
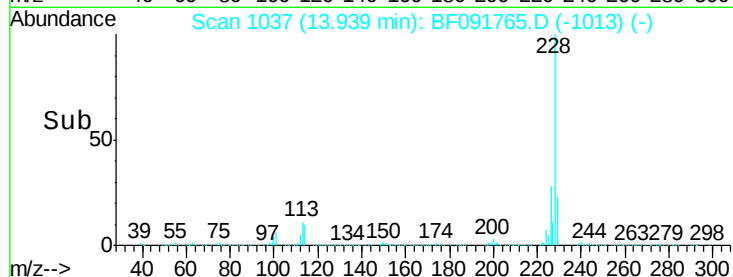
Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.4	38.0
229	23.5	16.2	24.2



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: 5.54 ng/mL

RT: 16.67 min Scan# 1276

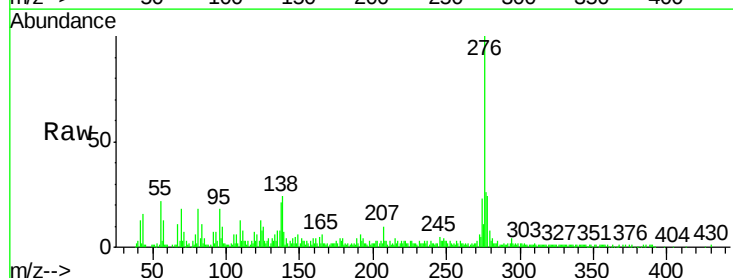
Delta R.T. -0.02 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

Tgt Ion: 276 Resp: 145876

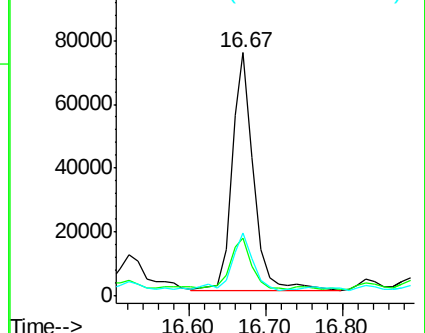
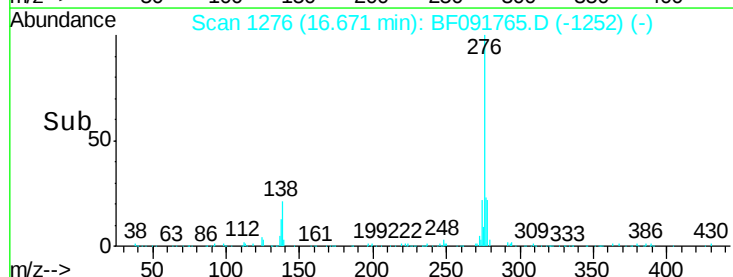
Ion	Ratio	Lower	Upper
276	100		
138	21.6	21.8	32.6#
277	24.0	20.2	30.4

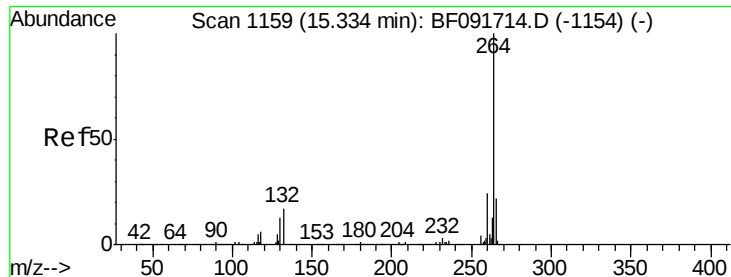


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

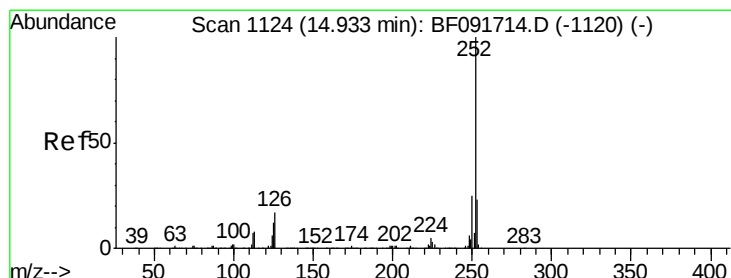
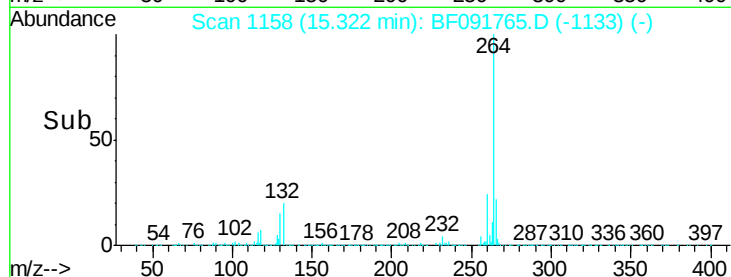
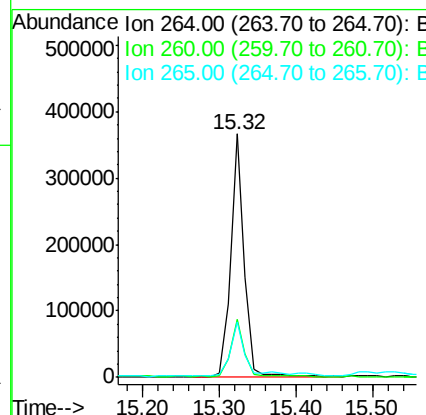
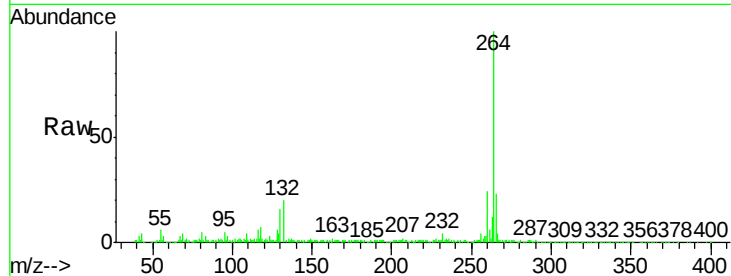




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF091765.D
Acq: 19 Dec 2016 5:20

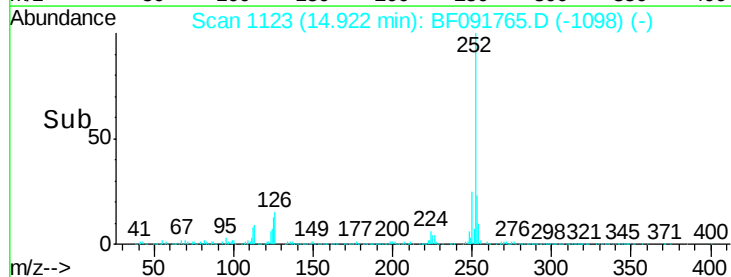
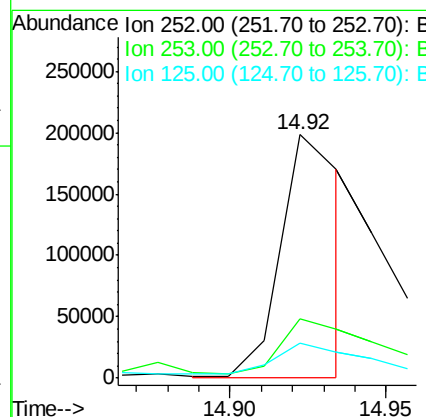
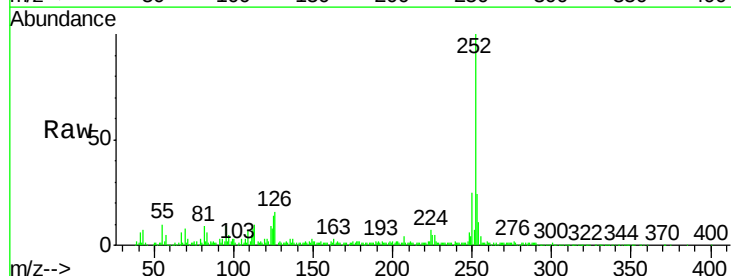
Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

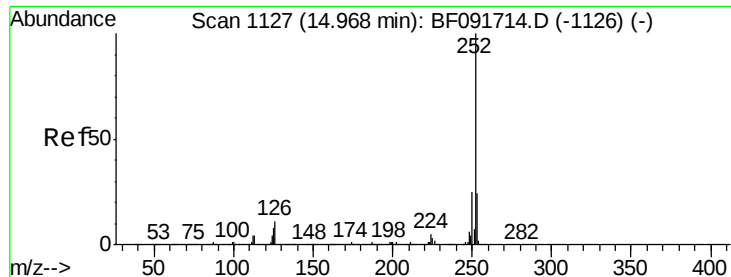
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.6	17.4	26.0



#87
Benzo(b)fluoranthene
Concen: 9.64 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF091765.D
Acq: 19 Dec 2016 5:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.4
125	14.3	9.8	14.6

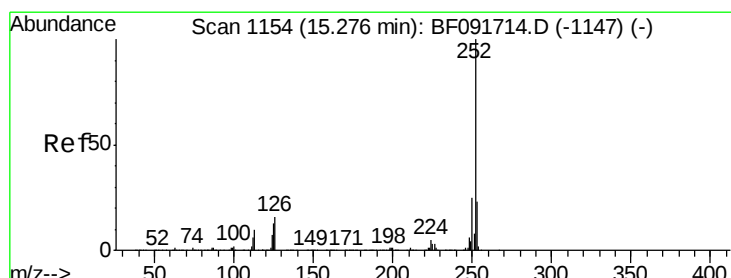
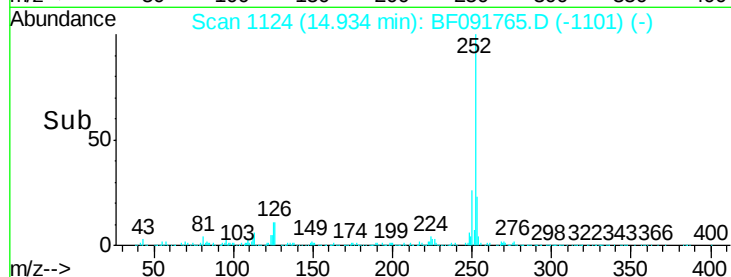
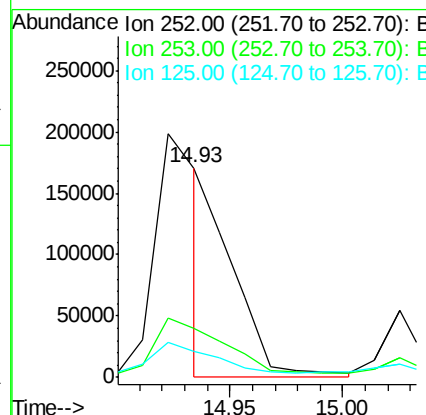
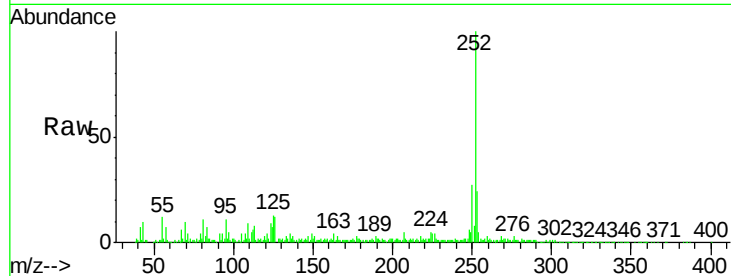




#88
Benzo(k)fluoranthene
Concen: 7.00 ng/mL
RT: 14.93 min Scan# 1124
Delta R.T. -0.03 min
Lab File: BF091765.D
Acq: 19 Dec 2016 5:20

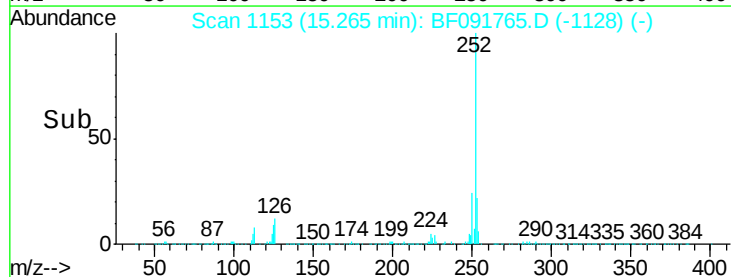
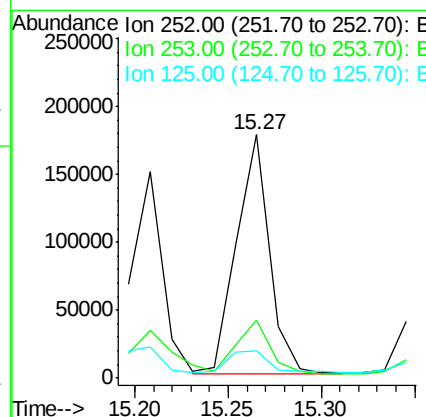
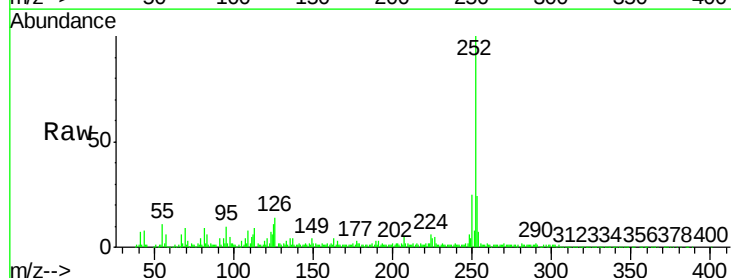
Instrument :
BNA_F
ClientSampleId :
TP12-2.5-3FT

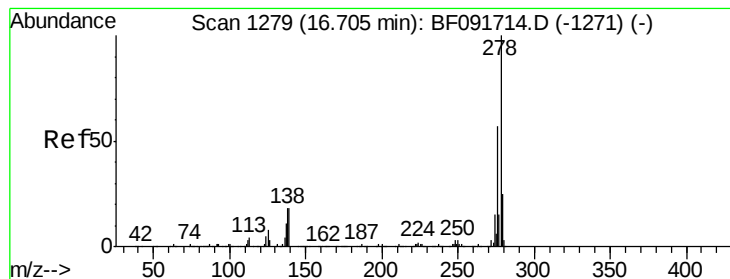
Tot Ion:252 Resp: 140366
Ion Ratio Lower Upper
252 100
253 23.6 18.5 27.7
125 12.5 8.9 13.3



#89
Benzo(a)pyrene
Concen: 8.90 ng/mL
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF091765.D
Acq: 19 Dec 2016 5:20

Tgt Ion:252 Resp: 218318
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 11.3 10.0 15.0





#90

Dibenzo(a,h)anthracene

Concen: 2.09 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.02 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

Instrument :

BNA_F

ClientSampleId :

TP12-2.5-3FT

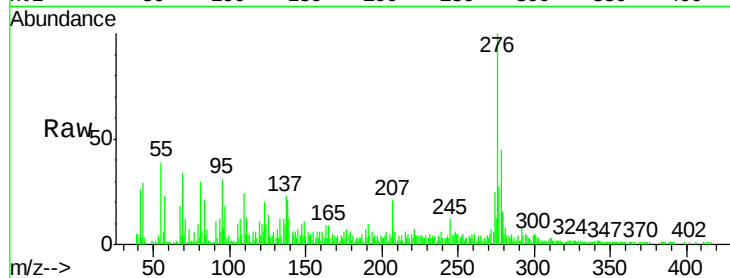
Tot Ion:278 Resp: 44799

Ion Ratio Lower Upper

278 100

139 28.6 14.8 22.2#

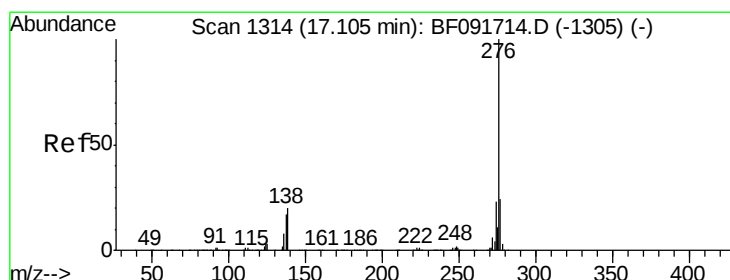
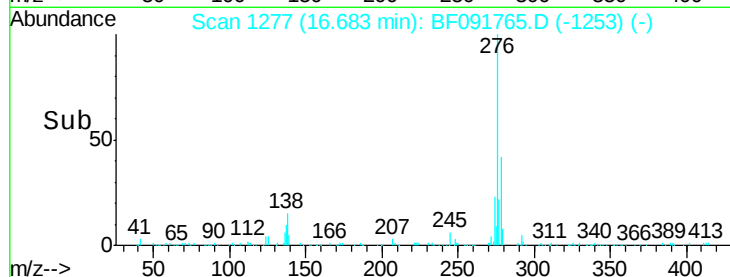
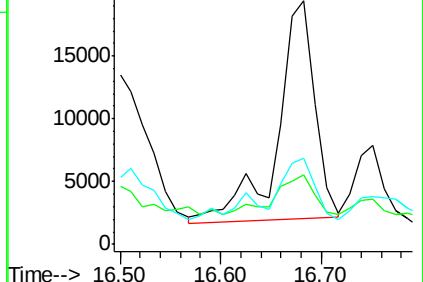
279 35.2 19.8 29.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.55 ng

RT: 17.07 min Scan# 1311

Delta R.T. -0.03 min

Lab File: BF091765.D

Acq: 19 Dec 2016 5:20

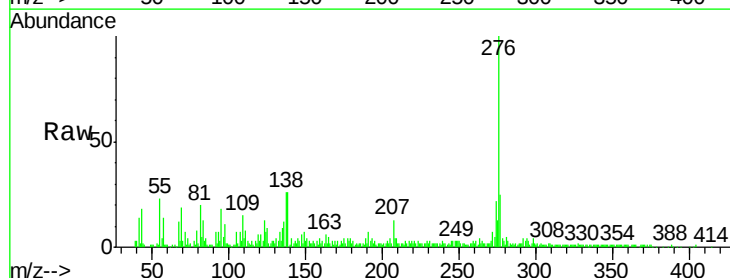
Tgt Ion:276 Resp: 142309

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 25.5 16.0 24.0#



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

