

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092016\
 Data File : BF090218.D
 Acq On : 26 Sep 2016 13:51
 Operator : UM/SJ
 Sample : H4927-01DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 15:46:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

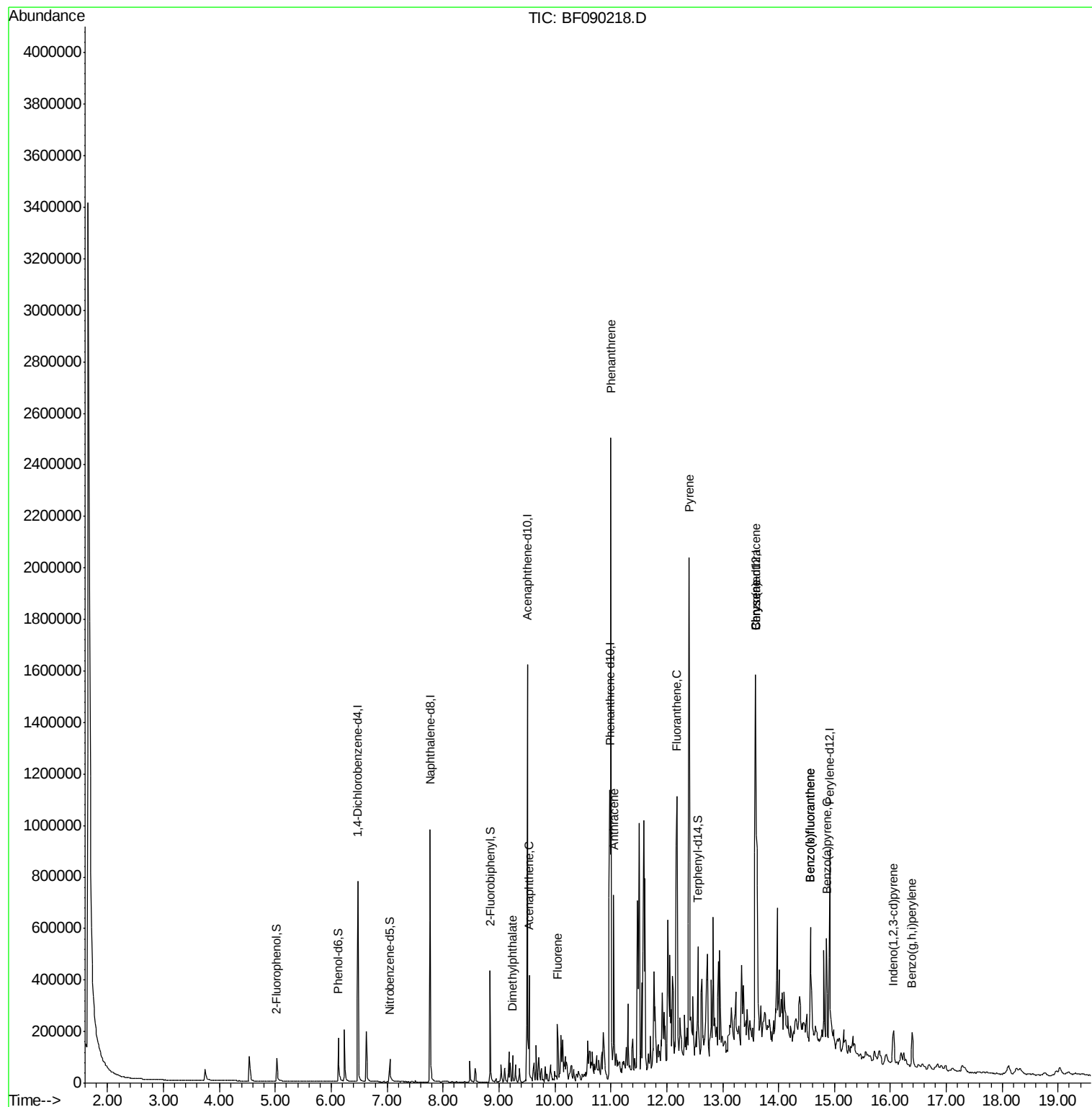
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	153679	20.00	ng	-0.05
21) Naphthalene-d8	7.77	136	621838	20.00	ng	-0.05
38) Acenaphthene-d10	9.51	164	334622	20.00	ng	-0.05
63) Phenanthrene-d10	10.98	188	528320	20.00	ng	-0.05
75) Chrysene-d12	13.59	240	374390	20.00	ng	-0.05
86) Perylene-d12	14.91	264	318776	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	43066	4.57	ng	-0.04
7) Phenol-d6	6.12	99	93766	8.05	ng	-0.05
23) Nitrobenzene-d5	7.05	82	54148	5.05	ng	-0.05
41) 2,4,6-Tribromophenol	10.30	330	4776	1.66	ng	-0.05
44) 2-Fluorobiphenyl	8.84	172	142479	8.36	ng	-0.05
78) Terphenyl-d14	12.56	244	119833	8.13	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.24	163	43315	2.03	ng	98
51) Acenaphthene	9.54	154	96018	5.64	ng	98
57) Fluorene	10.04	166	80813	4.79	ng	100
70) Phenanthrene	11.01	178	965905	39.09	ng	99
71) Anthracene	11.05	178	300858	11.61	ng	98
74) Fluoranthene	12.18	202	568033	21.42	ng	92
77) Pyrene	12.40	202	923596	36.05	ng	# 96
80) Benzo(a)anthracene	13.59	228	420833	20.89	ng	98
82) Chrysene	13.59	228	420833	21.45	ng	95
85) Indeno(1,2,3-cd)pyrene	16.06	276	80577	5.08	ng	# 90
87) Benzo(b)fluoranthene	14.57	252	261483	14.81	ng	98
88) Benzo(k)fluoranthene	14.57	252	259980	15.69	ng	# 96
89) Benzo(a)pyrene	14.86	252	189481	11.41	ng	# 93
91) Benzo(a,h,i)perylene	16.39	276	93536	7.38	ng	96

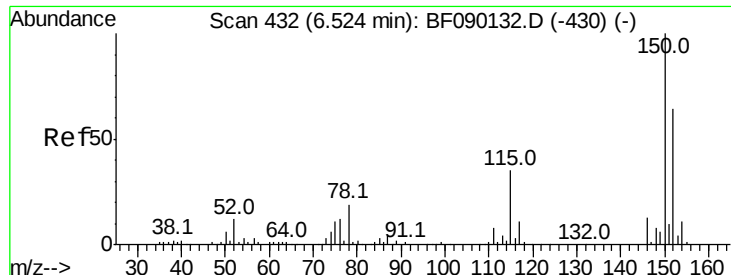
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092616\
Data File : BF090218.D
Acq On : 26 Sep 2016 13:51
Operator : UM/SJ
Sample : H4927-01DL 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 26 15:46:11 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 20 17:58:29 2016
Response via : Initial Calibration



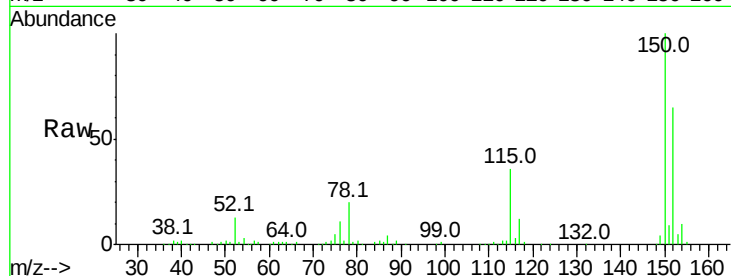


#1

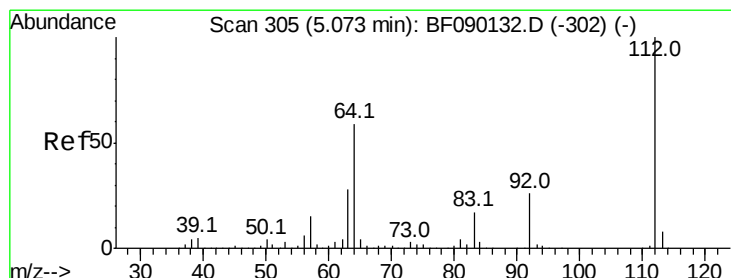
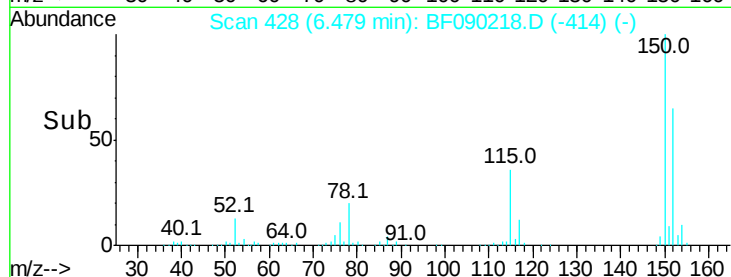
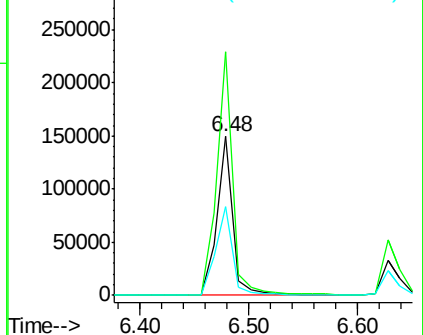
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.48 min Scan# 428
Delta R.T. -0.05 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153679
Ion Ratio Lower Upper
152 100
150 153.1 128.9 193.3
115 55.6 55.5 83.3



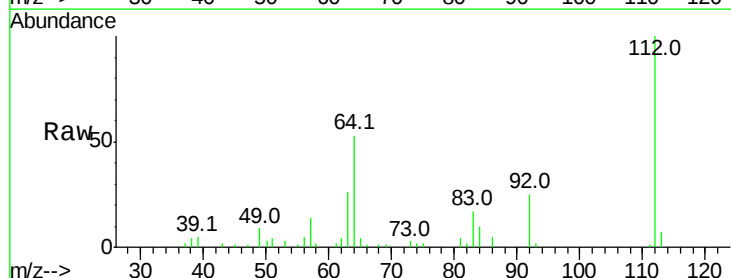
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



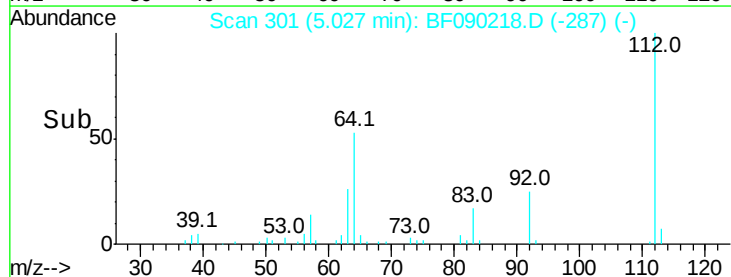
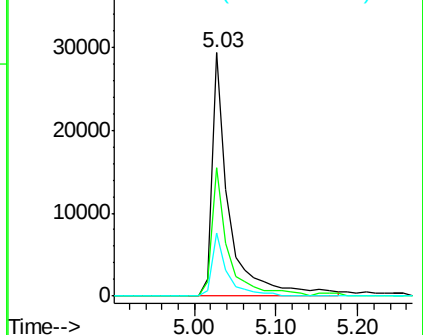
#5

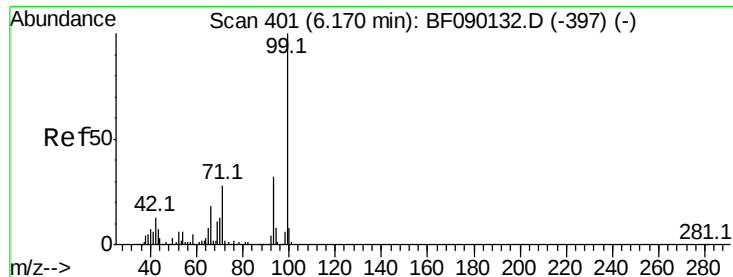
2-Fluorophenol
Concen: 4.57 ng
RT: 5.03 min Scan# 301
Delta R.T. -0.04 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Tgt Ion:112 Resp: 43066
Ion Ratio Lower Upper
112 100
64 52.7 39.8 59.6
63 25.8 18.9 28.3



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: 8.05 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.05 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

ClientSampleId :

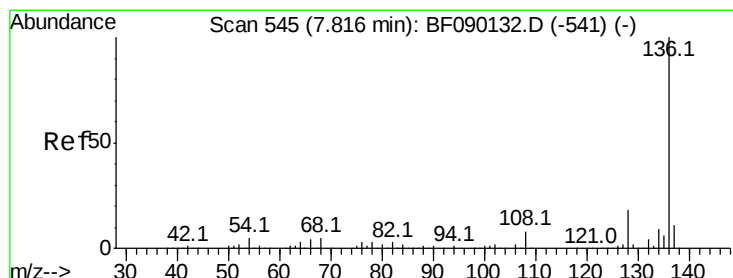
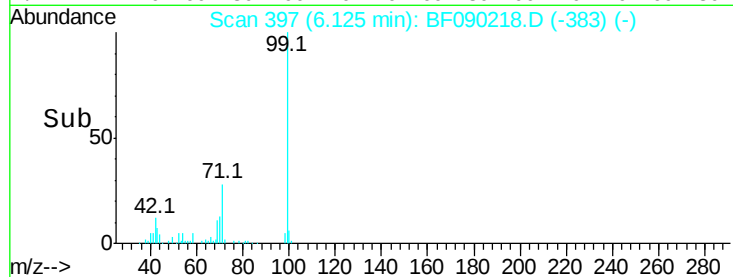
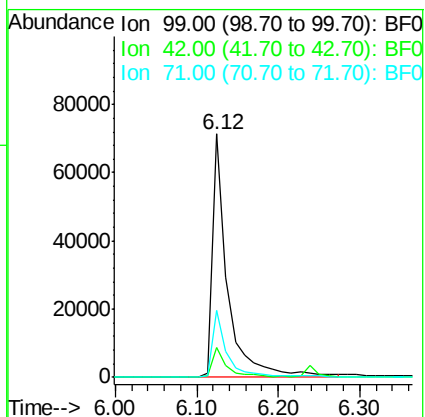
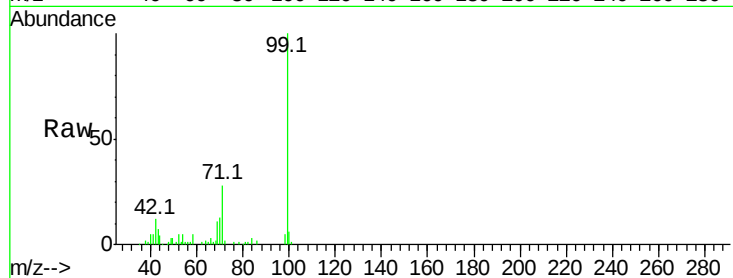
Tot Ion: 99 Resp: 93766

Ion Ratio Lower Upper

99 100

42 12.5 10.6 15.8

71 27.6 23.0 34.6



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.77 min Scan# 541

Delta R.T. -0.05 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Tgt Ion: 136 Resp: 621838

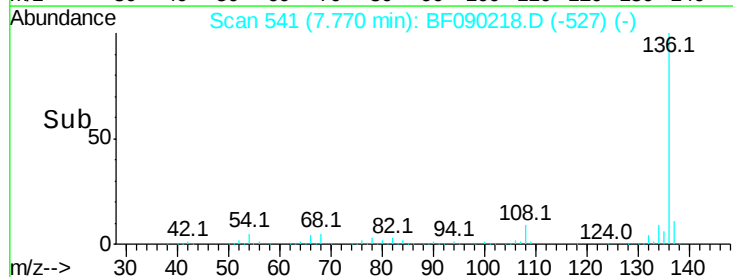
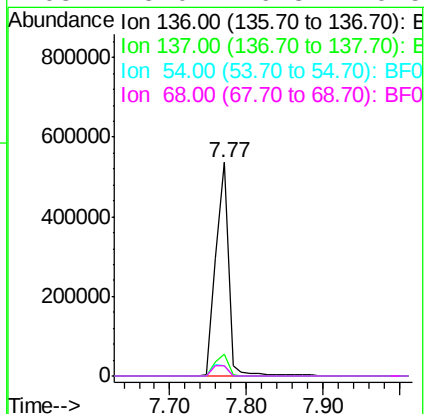
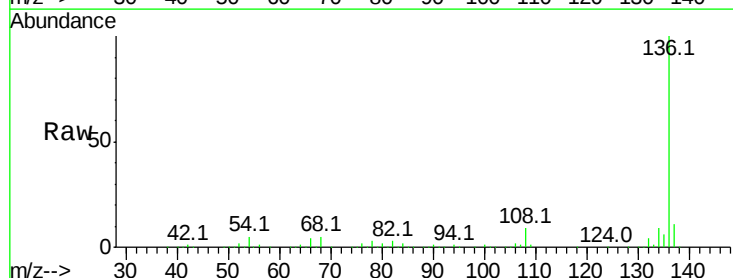
Ion Ratio Lower Upper

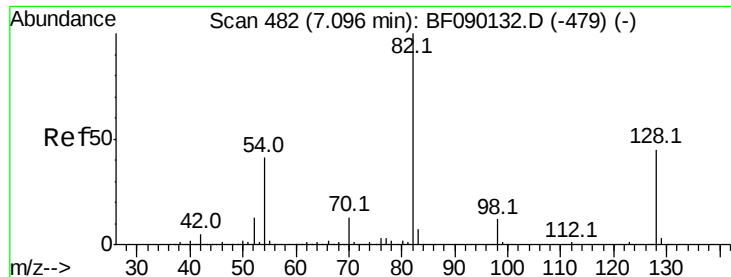
136 100

137 10.5 9.0 13.4

54 4.9 6.4 9.6#

68 5.0 6.3 9.5#

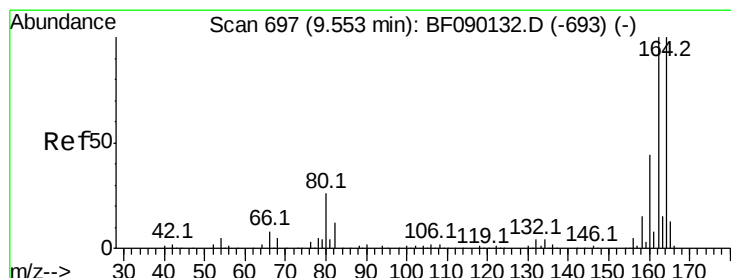
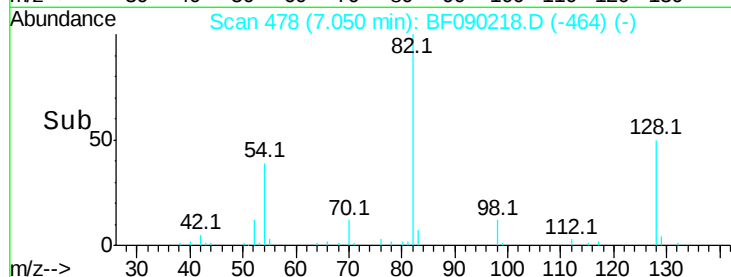
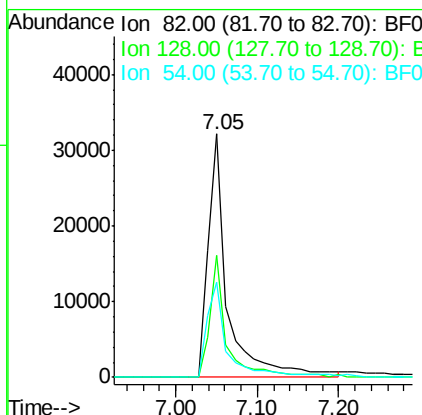
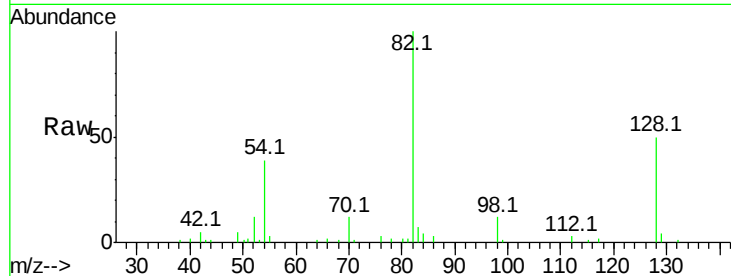




#23
 Nitrobenzene-d5
 Concen: 5.05 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.05 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

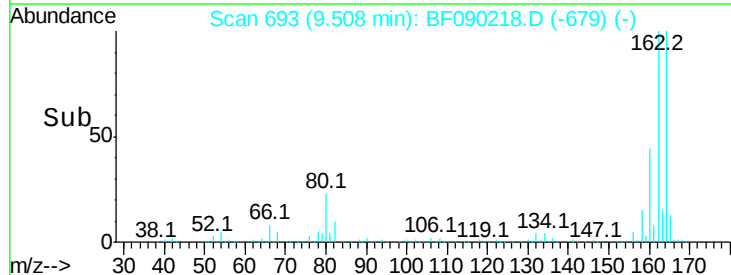
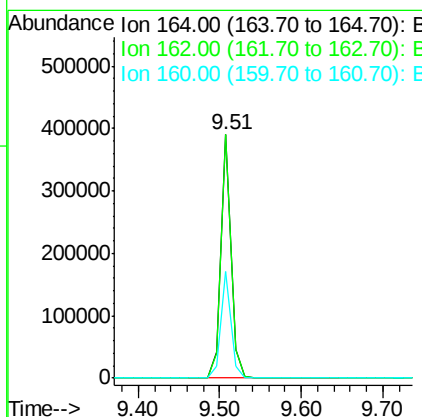
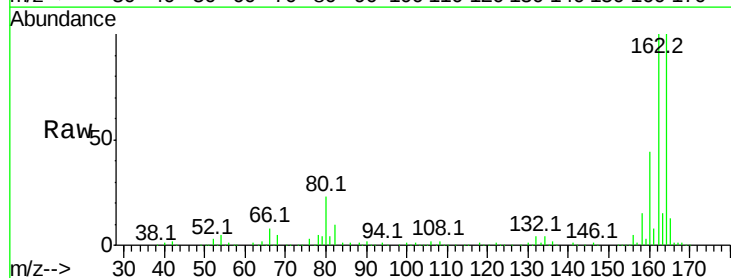
Instrument :
 BNA_F
 ClientSampleId :

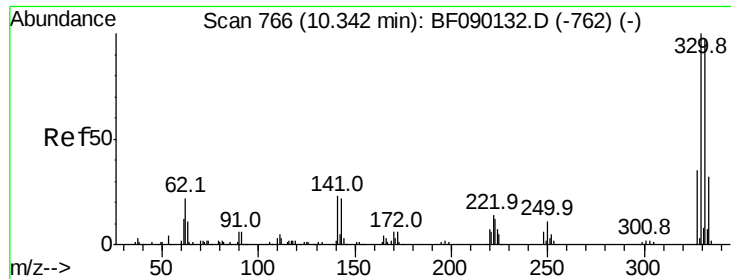
Tot Ion	82	Resp	54148
Ion Ratio	100	Lower	Upper
128	49.9	37.5	56.3
54	38.8	31.9	47.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. -0.05 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Tgt Ion	164	Resp	334622
Ion Ratio	100	Lower	Upper
162	99.8	81.4	122.2
160	43.7	36.6	54.8

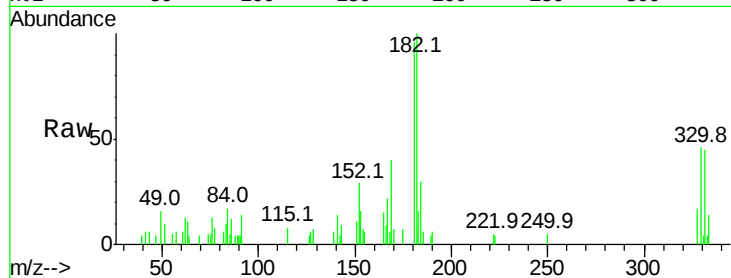




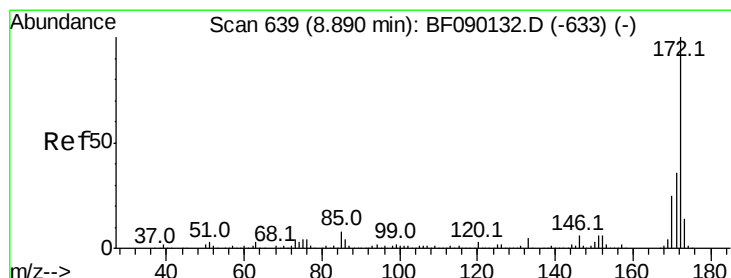
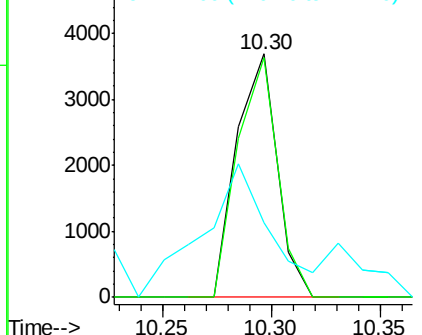
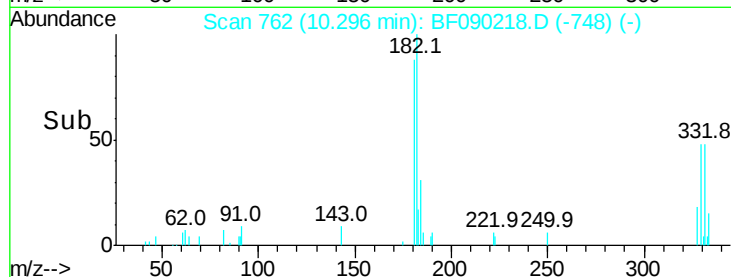
#41
 2,4,6-Tribromophenol
 Concen: 1.66 ng
 RT: 10.30 min Scan# 762
 Delta R.T. -0.05 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 4776
 Ion Ratio Lower Upper
 330 100
 332 97.6 78.1 117.1
 141 93.2 23.9 35.9#

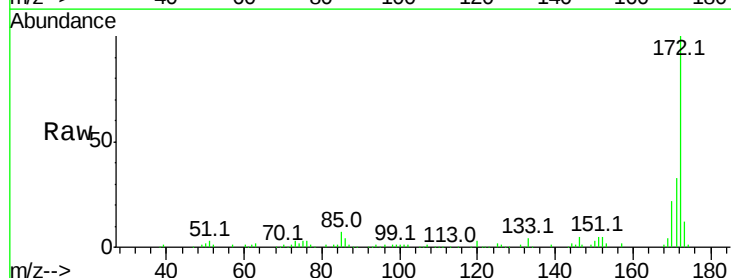


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

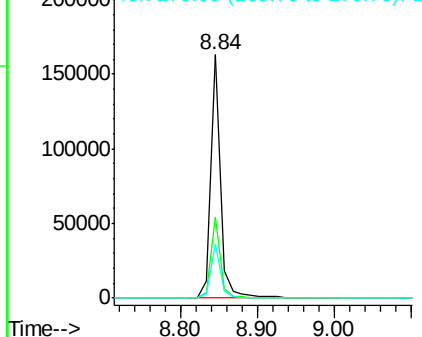
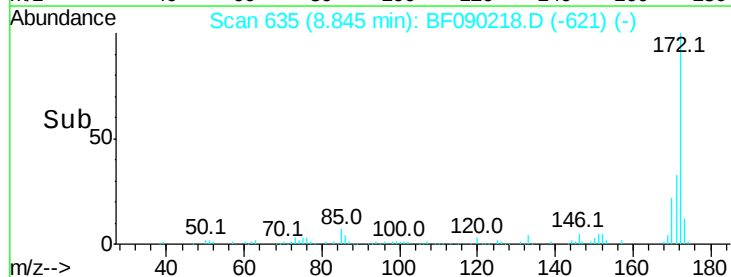


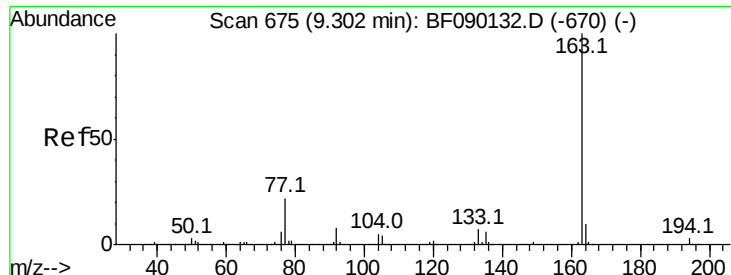
#44
 2-Fluorobiphenyl
 Concen: 8.36 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.05 min
 Lab File: BF090218.D
 Acq: 26 Sep 2016 13:51

Tgt Ion:172 Resp: 142479
 Ion Ratio Lower Upper
 172 100
 171 33.4 29.2 43.8
 170 22.0 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

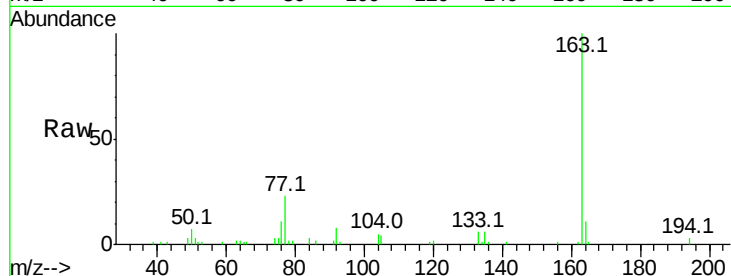




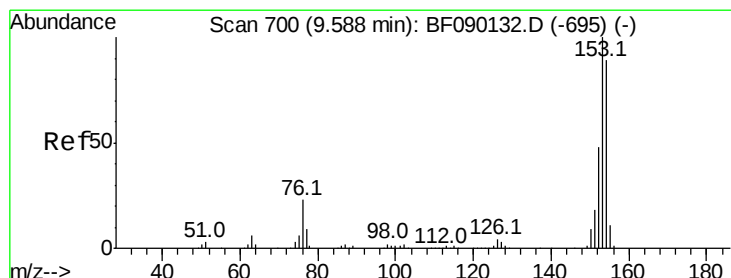
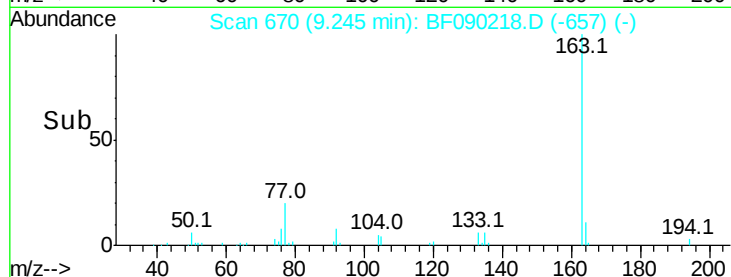
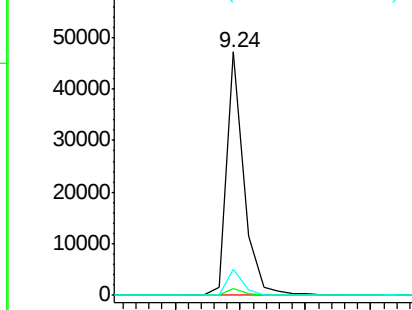
#49
Dimethylphthalate
Concen: 2.03 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.06 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.8	4.2
164	10.6	8.1	12.1

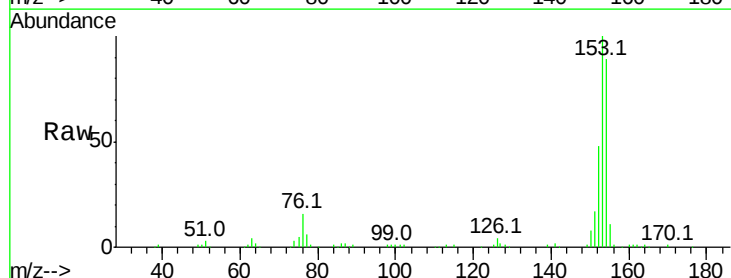


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

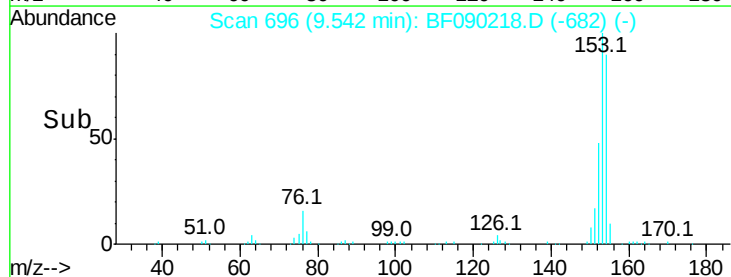
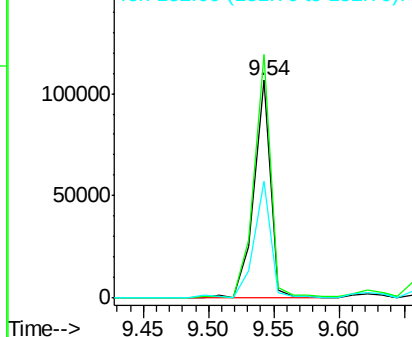


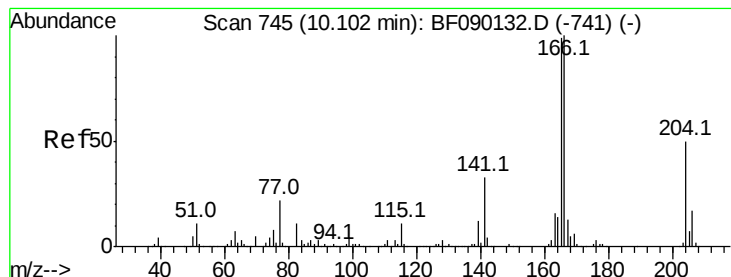
#51
Acenaphthene
Concen: 5.64 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.05 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.7	90.8	136.2
152	53.5	44.2	66.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 4.79 ng

RT: 10.04 min Scan# 740

Delta R.T. -0.06 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

ClientSampleId :

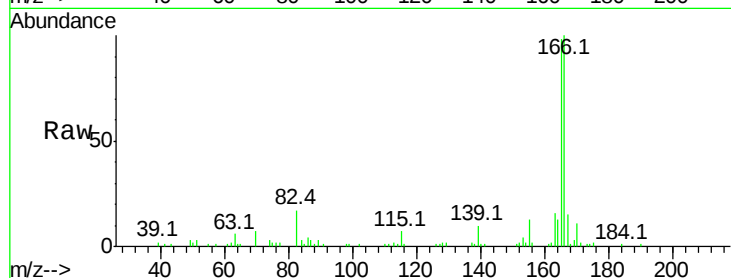
Tot Ion:166 Resp: 80813

Ion Ratio Lower Upper

166 100

165 98.1 78.5 117.7

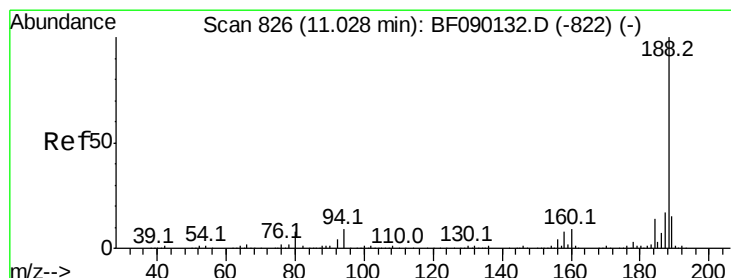
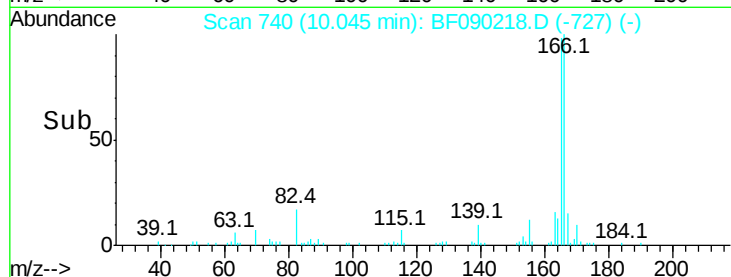
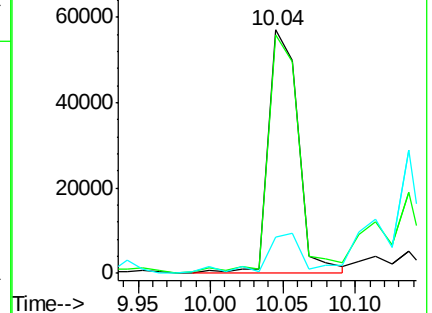
167 15.0 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.98 min Scan# 822

Delta R.T. -0.05 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

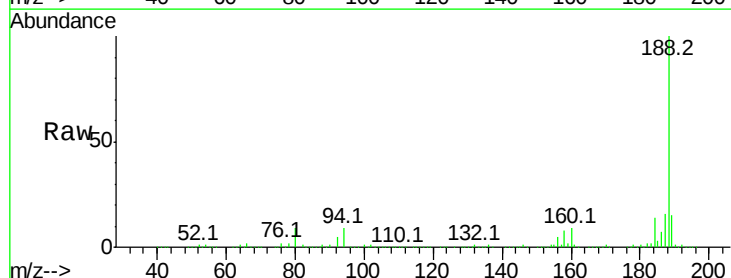
Tgt Ion:188 Resp: 528320

Ion Ratio Lower Upper

188 100

94 8.7 10.5 15.7#

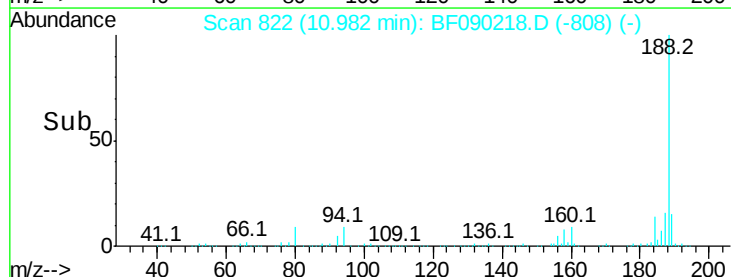
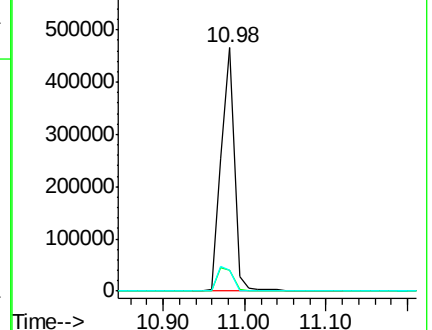
80 8.9 11.2 16.8#

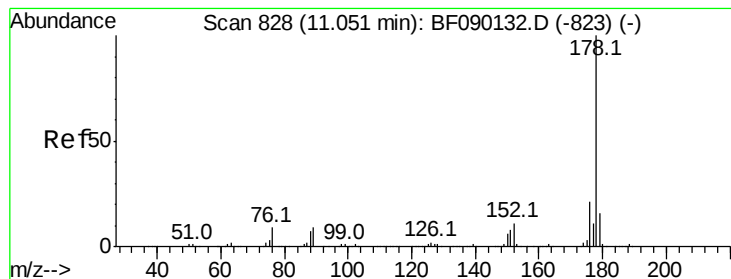


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 39.09 ng

RT: 11.01 min Scan# 824

Delta R.T. -0.04 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

ClientSampled :

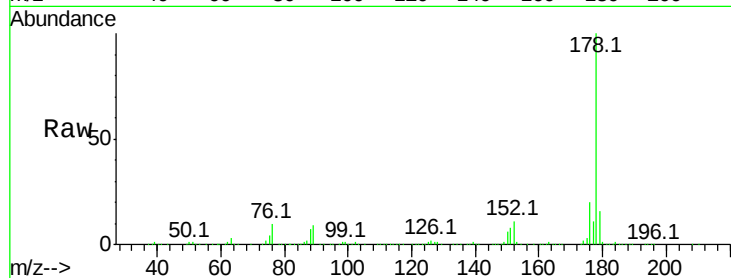
Tot Ion:178 Resp: 965905

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

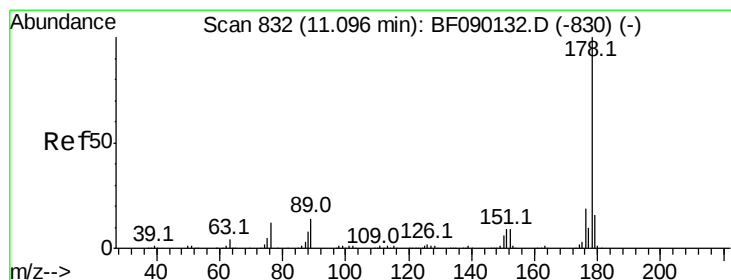
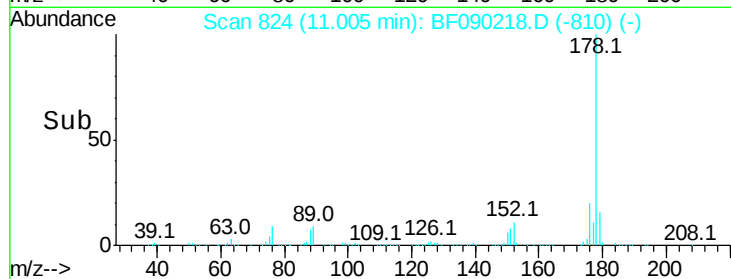
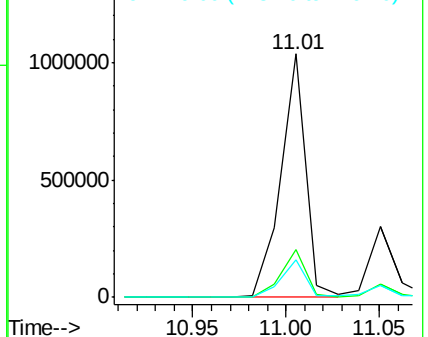
179 15.6 12.9 19.3



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: 11.61 ng

RT: 11.05 min Scan# 828

Delta R.T. -0.05 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

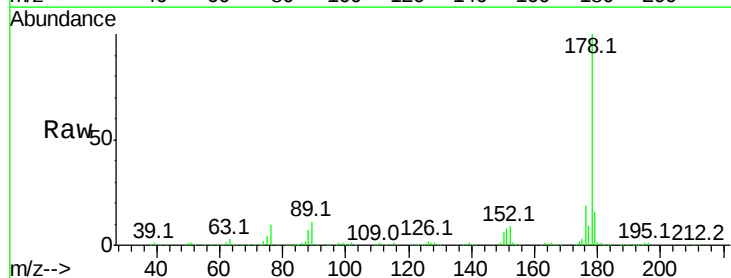
Tgt Ion:178 Resp: 300858

Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.6

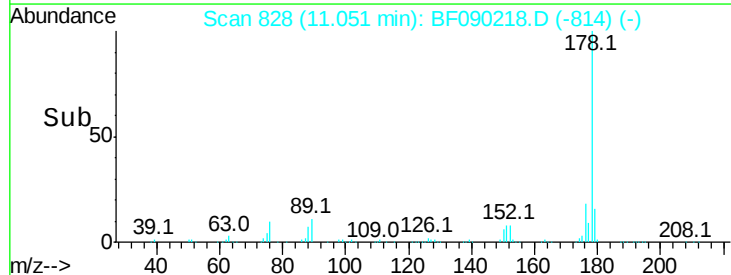
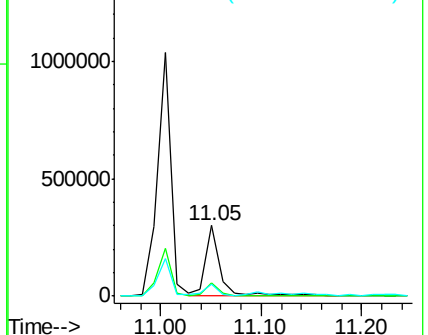
179 16.3 12.6 19.0

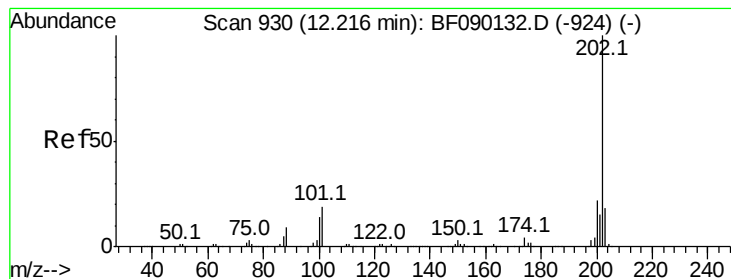


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.42 ng

RT: 12.18 min Scan# 927

Delta R.T. -0.03 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

ClientSampleId :

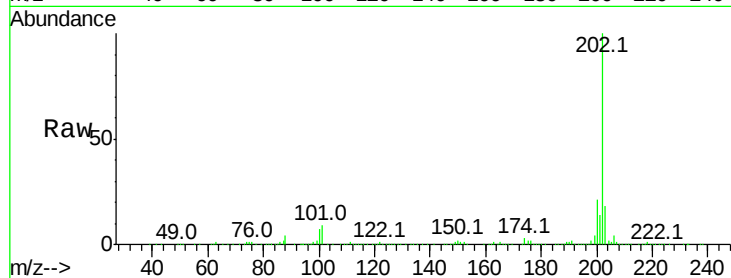
Tot Ion:202 Resp: 568033

Ion Ratio Lower Upper

202 100

101 9.3 0.0 36.1

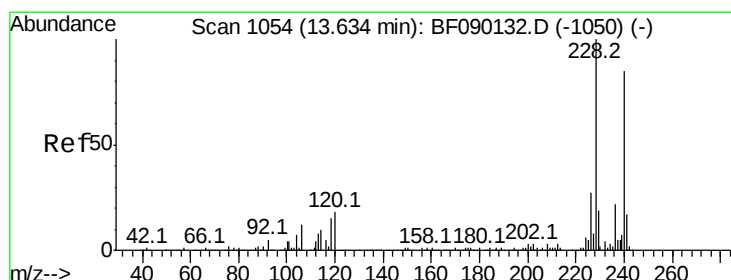
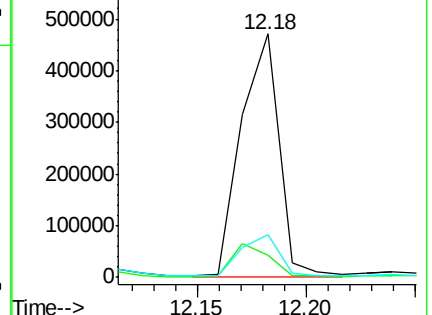
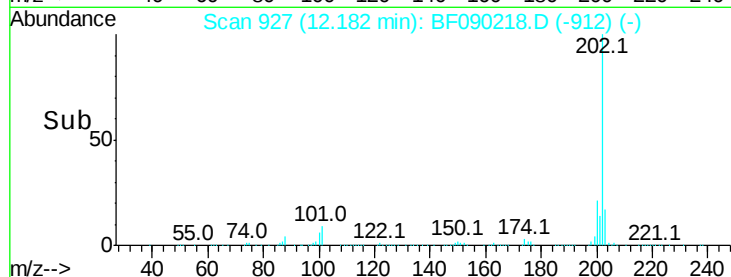
203 17.7 0.0 38.2



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: 13.59 min Scan# 1050

Delta R.T. -0.05 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

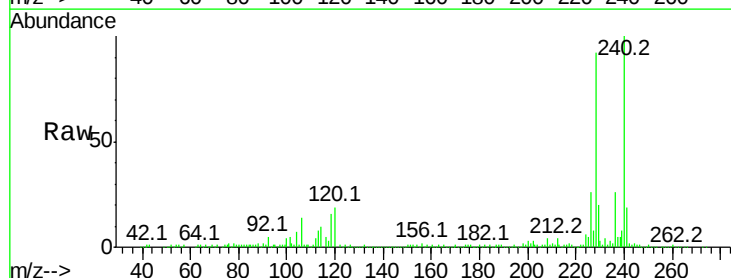
Tgt Ion:240 Resp: 374390

Ion Ratio Lower Upper

240 100

120 19.4 10.6 16.0#

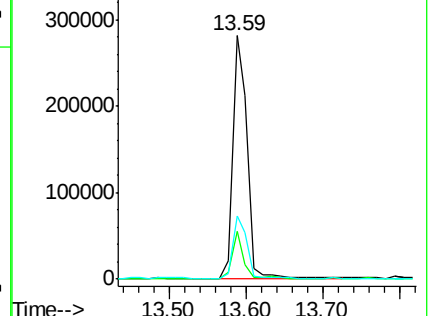
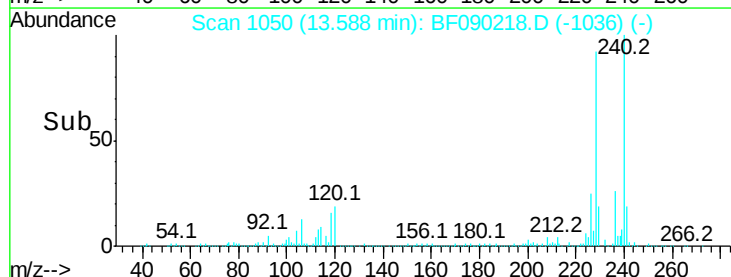
236 26.1 21.6 32.4

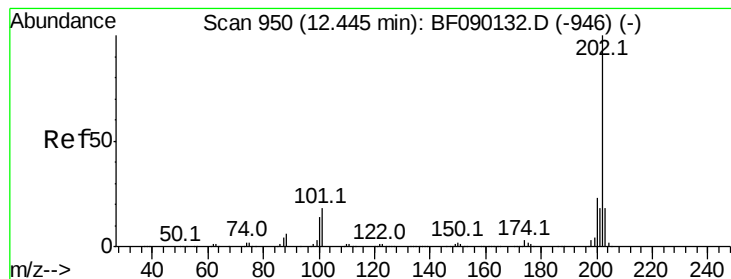


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 36.05 ng

RT: 12.40 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

ClientSampled :

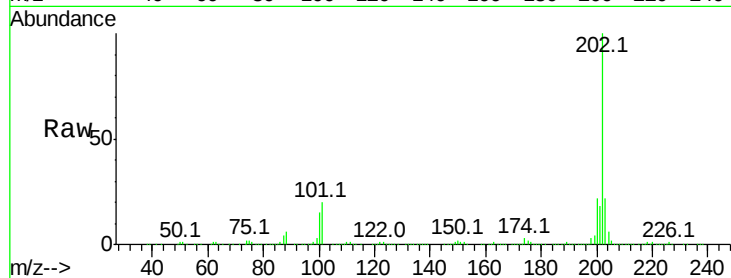
Tot Ion:202 Resp: 923596

Ion Ratio Lower Upper

202 100

200 21.9 17.9 26.9

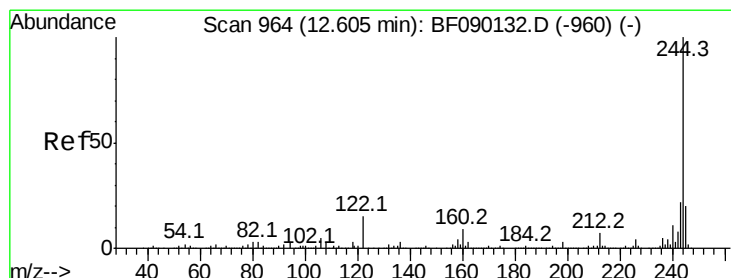
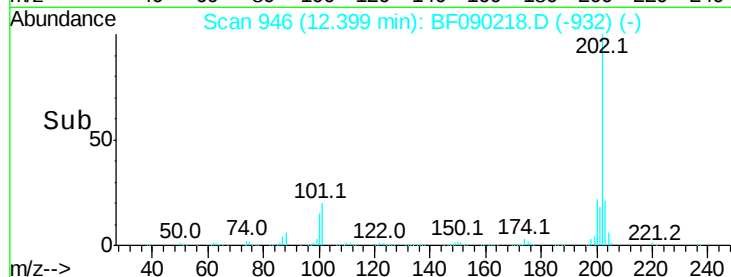
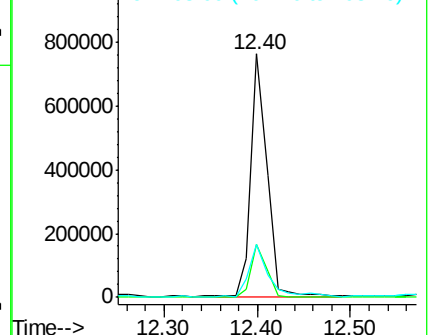
203 21.6 14.2 21.4#



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: 8.13 ng

RT: 12.56 min Scan# 960

Delta R.T. -0.05 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

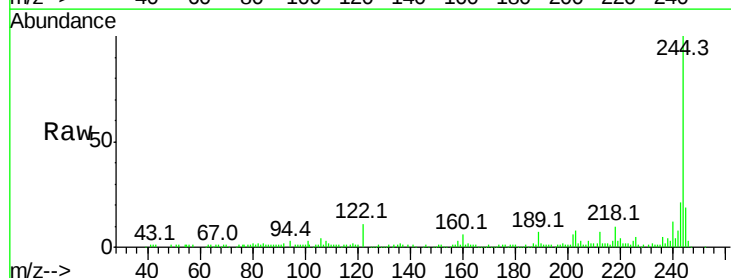
Tgt Ion:244 Resp: 119833

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

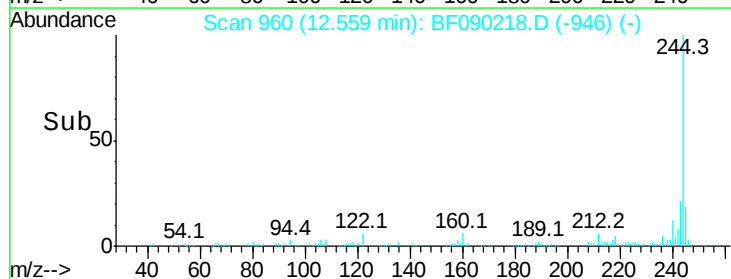
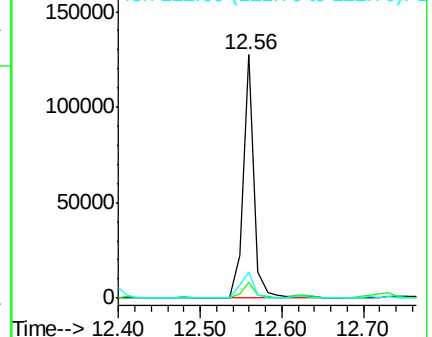
122 10.6 9.4 14.0

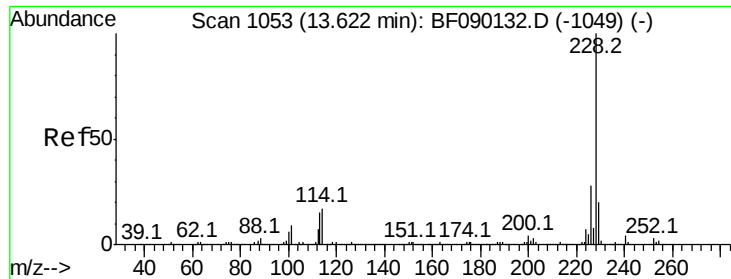


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.89 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.03 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

ClientSampleId :

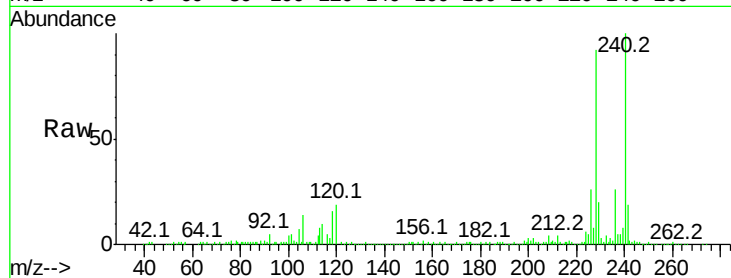
Tot Ion:228 Resp: 420833

Ion Ratio Lower Upper

228 100

226 28.0 22.0 33.0

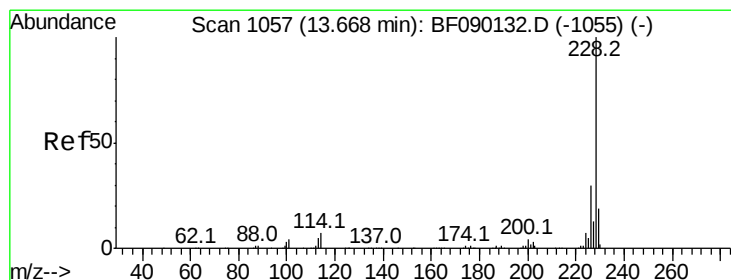
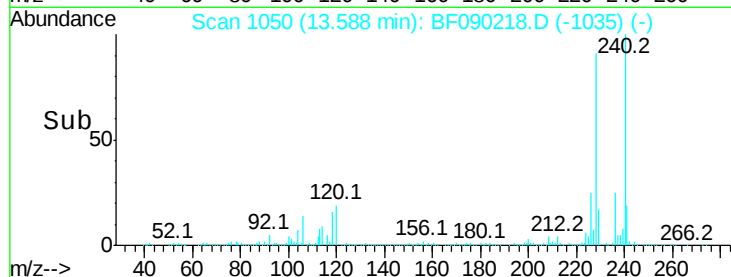
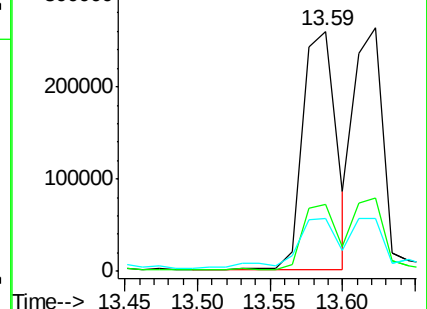
229 22.1 16.2 24.2



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



#82

Chrysene

Concen: 21.45 ng

RT: 13.59 min Scan# 1050

Delta R.T. -0.08 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

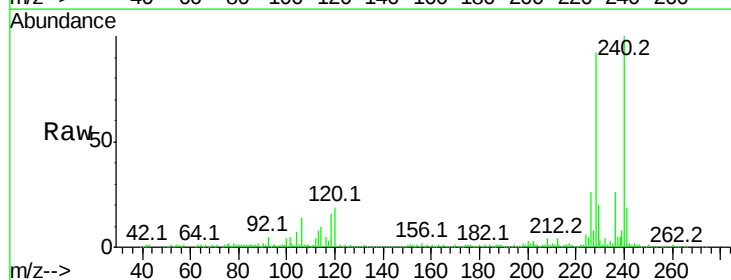
Tgt Ion:228 Resp: 420833

Ion Ratio Lower Upper

228 100

226 28.0 24.6 37.0

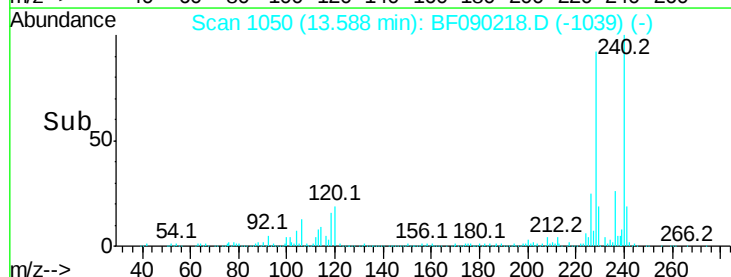
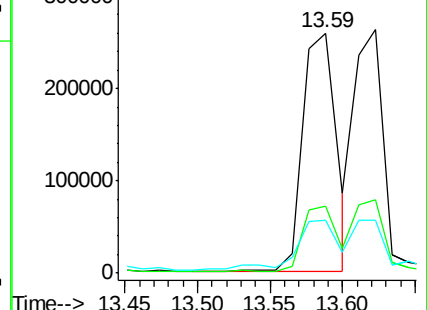
229 22.1 16.2 24.4

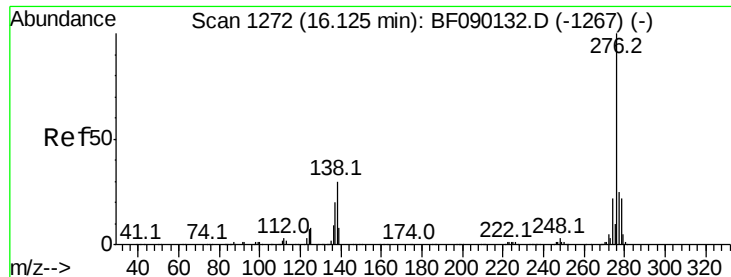


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

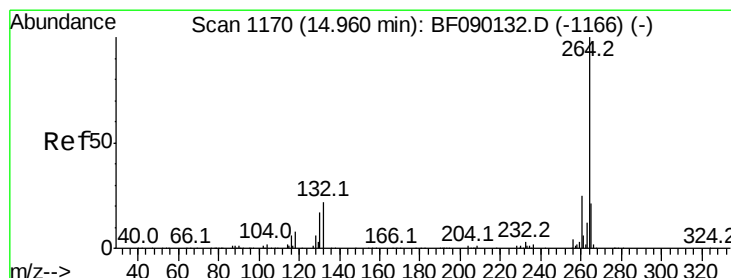
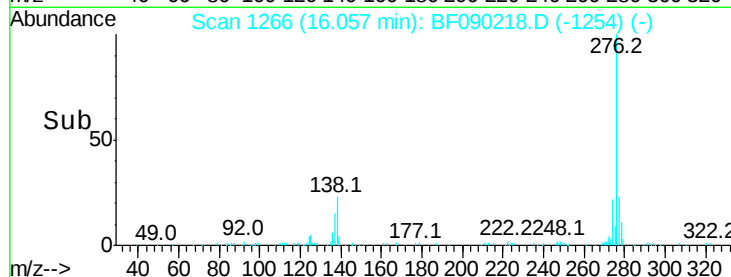
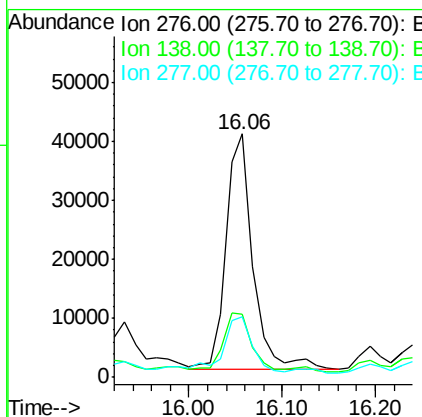
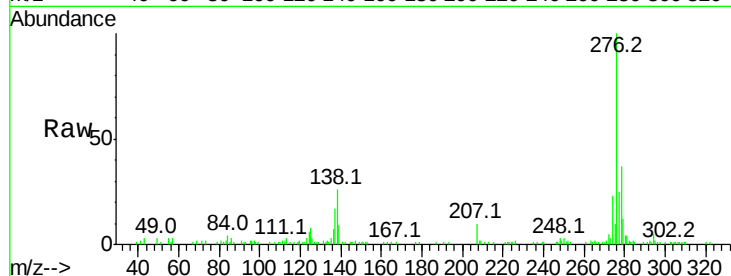




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.08 ng
RT: 16.06 min Scan# 1266
Delta R.T. -0.07 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

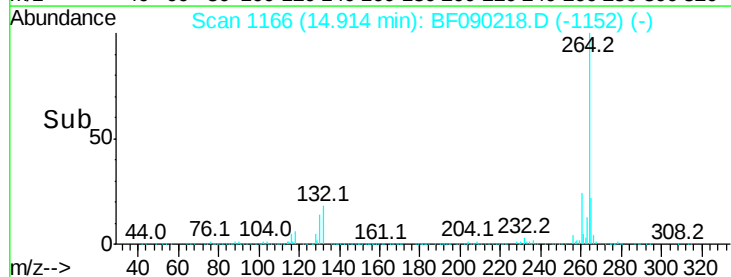
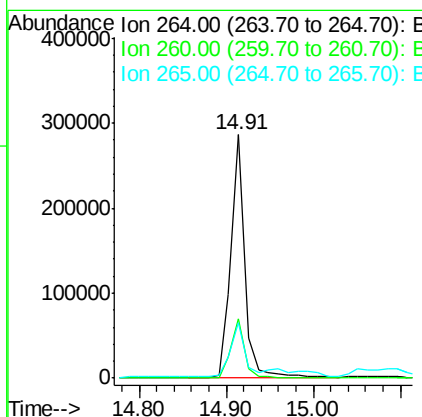
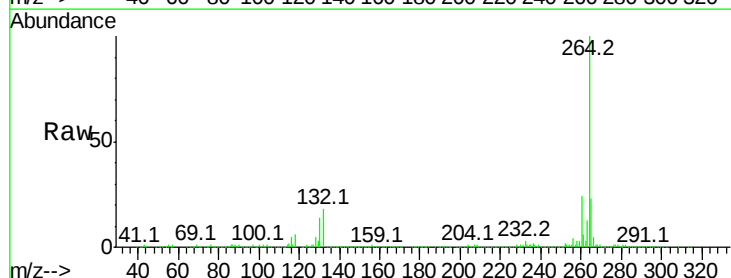
Instrument :
BNA_F
ClientSampleId :

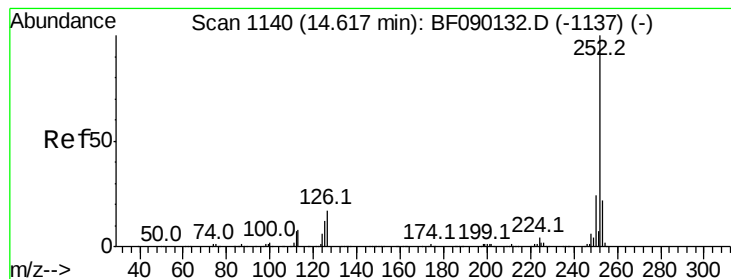
Tot Ion:276 Resp: 80577
Ion Ratio Lower Upper
276 100
138 23.3 25.9 38.9#
277 25.2 19.9 29.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 14.91 min Scan# 1166
Delta R.T. -0.05 min
Lab File: BF090218.D
Acq: 26 Sep 2016 13:51

Tgt Ion:264 Resp: 318776
Ion Ratio Lower Upper
264 100
260 24.2 19.5 29.3
265 22.6 17.0 25.4





#87

Benzo(b)fluoranthene

Concen: 14.81 ng

RT: 14.57 min Scan# 1136

Delta R.T. -0.05 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

ClientSampleId :

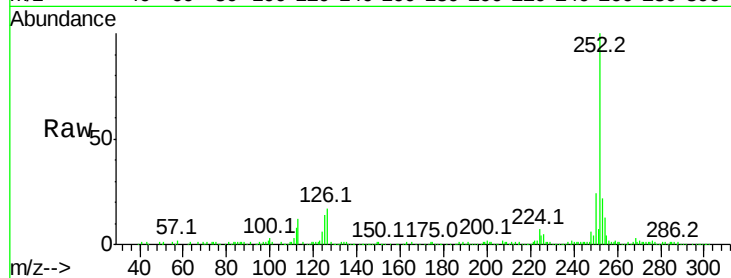
Tot Ion:252 Resp: 261483

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

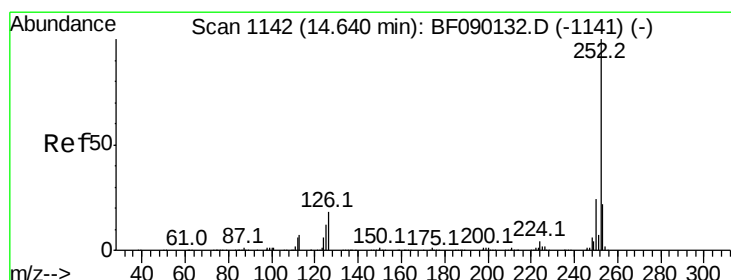
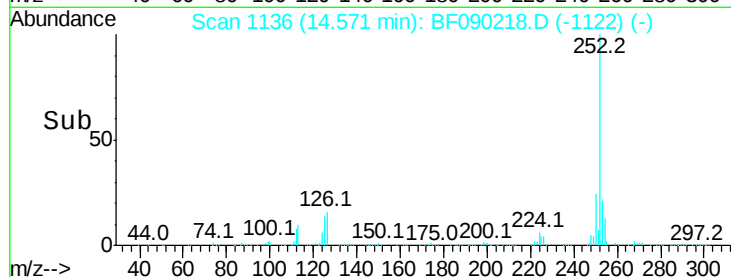
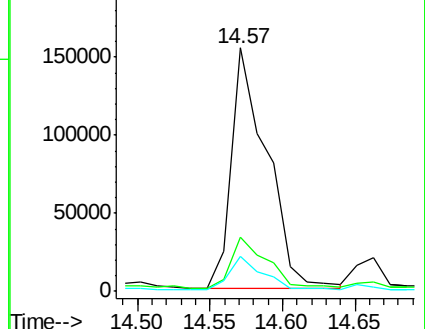
125 14.2 12.7 19.1



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: 15.69 ng

RT: 14.57 min Scan# 1136

Delta R.T. -0.07 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

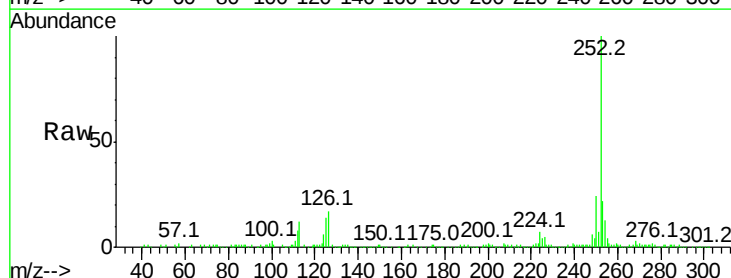
Tgt Ion:252 Resp: 259980

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

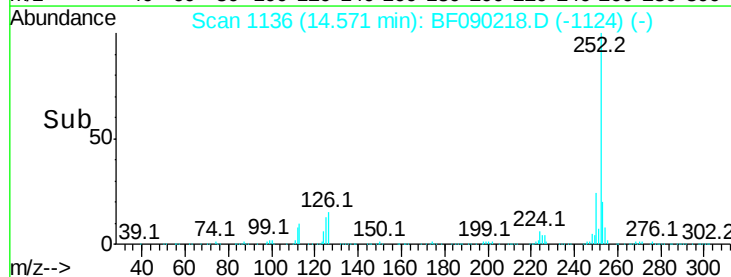
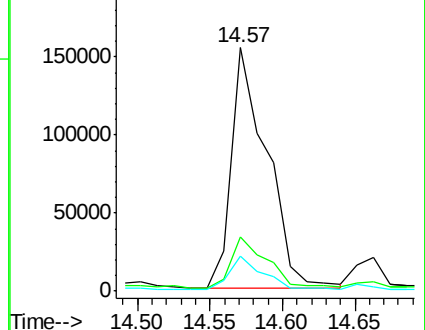
125 14.2 7.8 11.6#

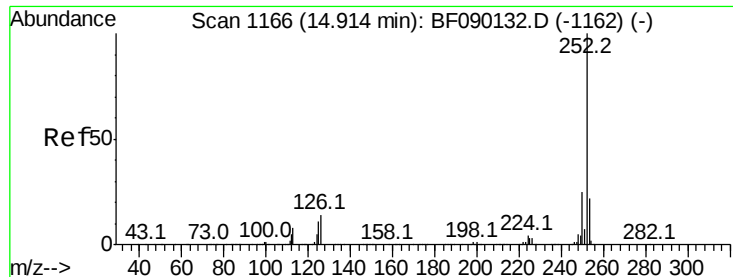


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.41 ng

RT: 14.86 min Scan# 1161

Delta R.T. -0.06 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

Instrument :

BNA_F

ClientSampleId :

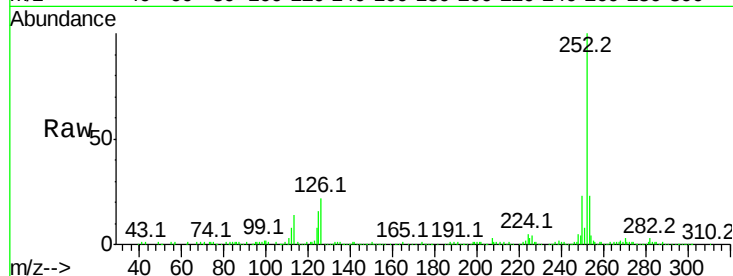
Tot Ion:252 Resp: 189481

Ion Ratio Lower Upper

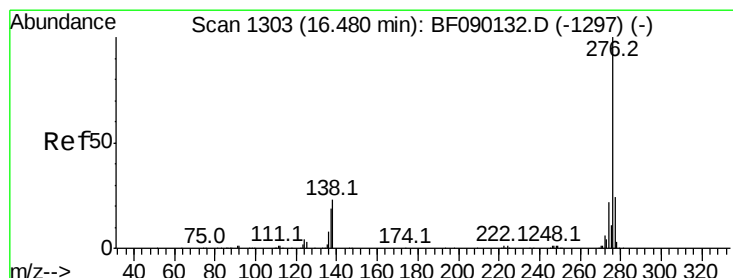
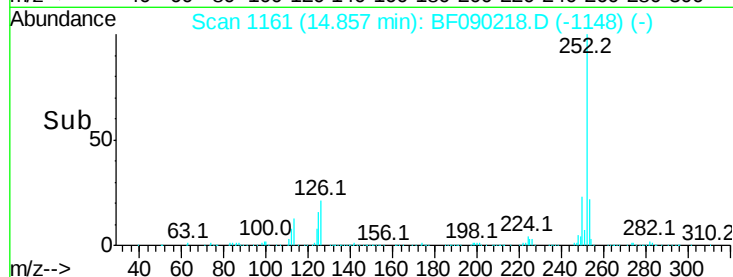
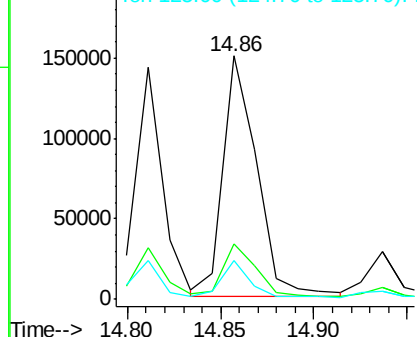
252 100

253 22.9 17.4 26.0

125 16.2 7.7 11.5#



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(g,h,i)perylene

Concen: 7.38 ng

RT: 16.39 min Scan# 1295

Delta R.T. -0.09 min

Lab File: BF090218.D

Acq: 26 Sep 2016 13:51

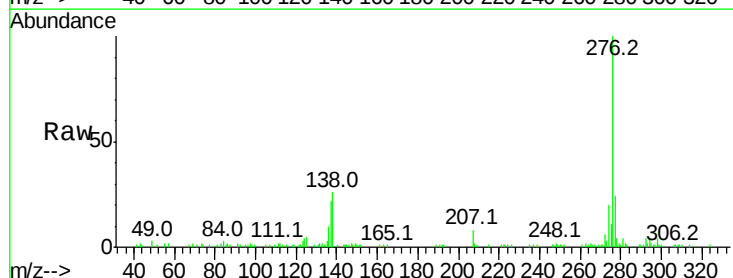
Tgt Ion:276 Resp: 93536

Ion Ratio Lower Upper

276 100

277 23.8 18.9 28.3

138 25.8 23.3 34.9



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

