

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062316\
 Data File : BF088300.D
 Acq On : 23 Jun 2016 20:45
 Operator : UM/SJ
 Sample : H3467-03RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 24 03:12:44 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 01:47:17 2016
 Response via : Initial Calibration

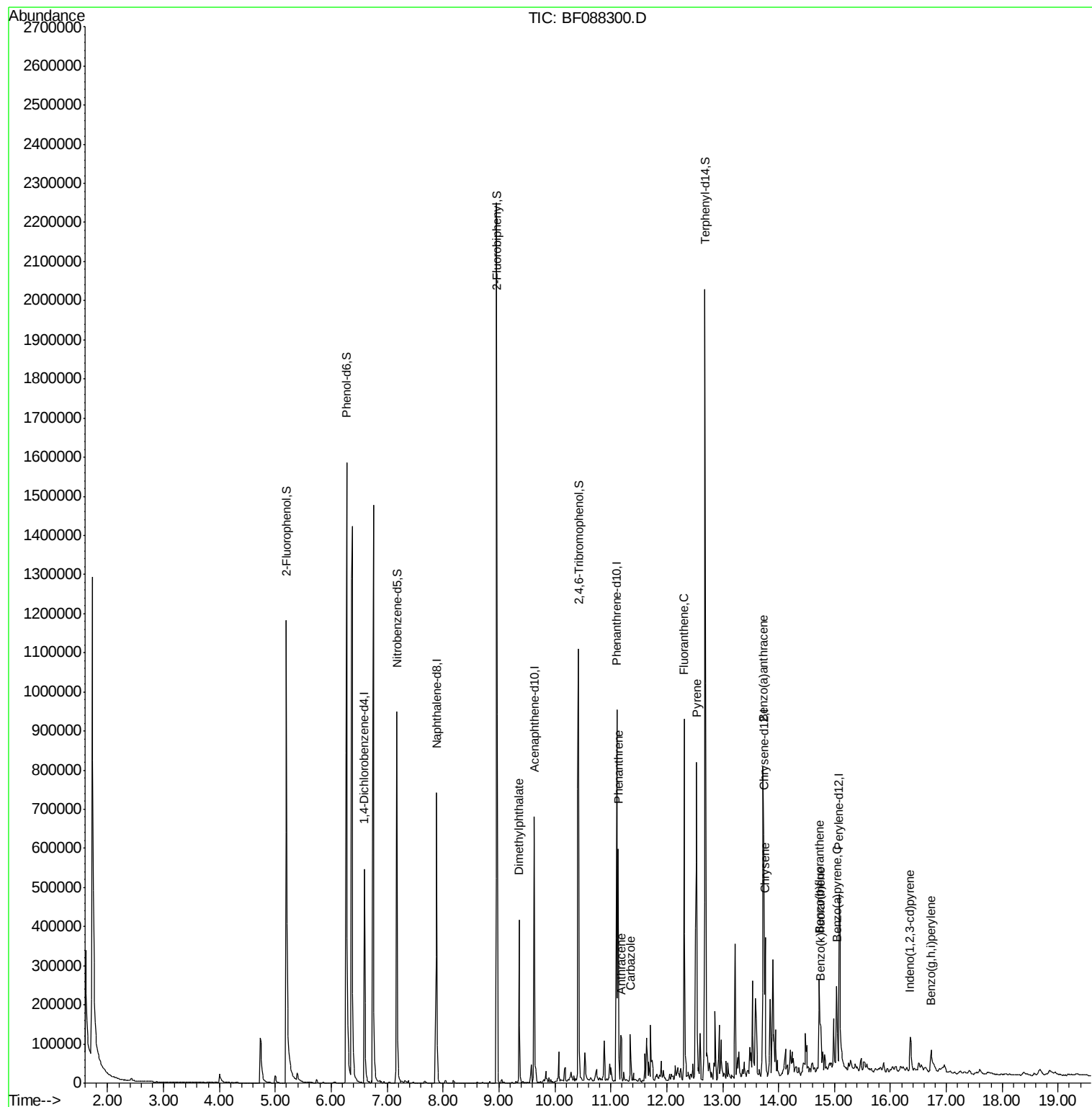
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	109331	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	434601	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	197533	20.00	ng	0.00
63) Phenanthrene-d10	11.11	188	376053	20.00	ng	0.00
75) Chrysene-d12	13.74	240	252427	20.00	ng	0.00
86) Perylene-d12	15.09	264	218989	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	645580	100.95	ng	0.01
7) Phenol-d6	6.27	99	859792	110.93	ng	-0.01
23) Nitrobenzene-d5	7.18	82	516459	69.39	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	175243	84.02	ng	-0.01
44) 2-Fluorobiphenyl	8.96	172	901396	70.76	ng	-0.01
78) Terphenyl-d14	12.69	244	792181	71.41	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.36	163	192464	13.45	ng	99
70) Phenanthrene	11.13	178	242356	12.28	ng	97
71) Anthracene	11.19	178	68876	3.46	ng	99
72) Carbazole	11.35	167	48732	2.62	ng	99
74) Fluoranthene	12.31	202	395246	18.98	ng	98
77) Pyrene	12.54	202	322968	17.24	ng	99
80) Benzo(a)anthracene	13.73	228	153164m	10.65	ng	
82) Chrysene	13.76	228	133872m	9.89	ng	
85) Indeno(1,2,3-cd)pyrene	16.35	276	52037	4.14	ng	# 100
87) Benzo(b)fluoranthene	14.73	252	133626m	8.75	ng	
88) Benzo(k)fluoranthene	14.75	252	47612m	4.14	ng	
89) Benzo(a)pyrene	15.04	252	92835	7.52	ng	97
91) Benzo(g,h,i)perylene	16.73	276	47684	4.04	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.00 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

Instrument :

BNA_F

ClientSampleId :

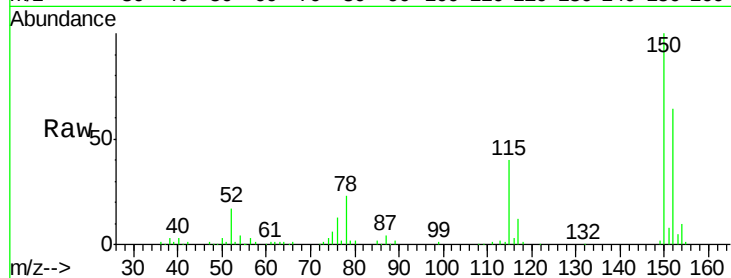
Tgt Ion:152 Resp: 109331

Ion Ratio Lower Upper

152 100

150 156.9 123.8 185.6

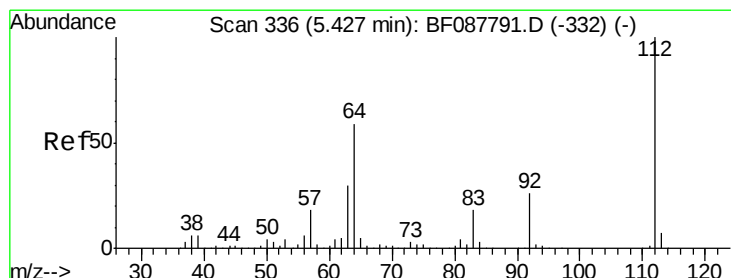
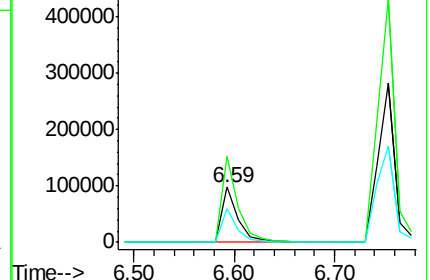
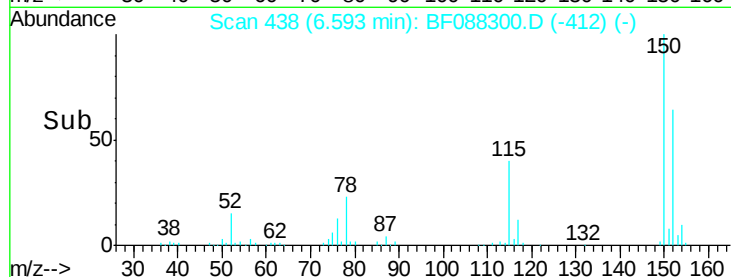
115 62.3 39.6 59.4#



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: 100.95 ng

RT: 5.20 min Scan# 316

Delta R.T. 0.01 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

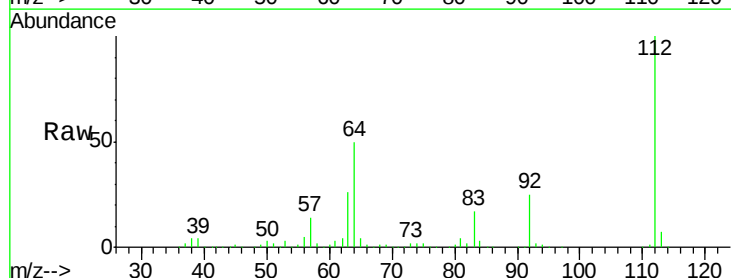
Tgt Ion:112 Resp: 645580

Ion Ratio Lower Upper

112 100

64 50.0 42.2 63.2

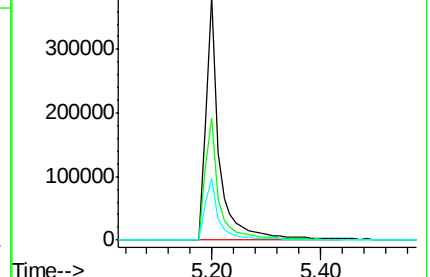
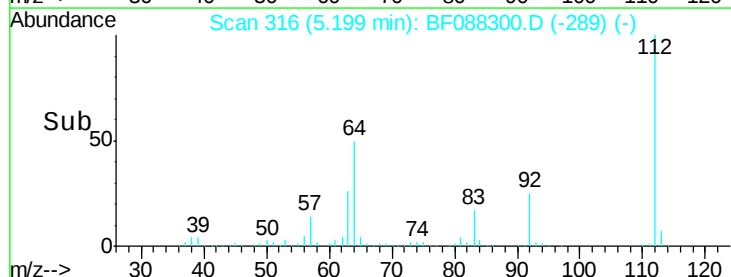
63 25.6 21.8 32.8



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: 110.93 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

Instrument :

BNA_F

ClientSampleId :

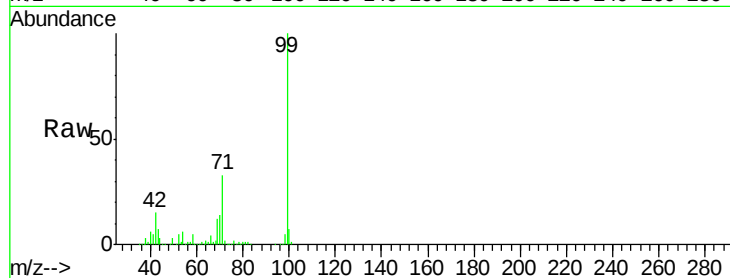
Tgt Ion: 99 Resp: 859792

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

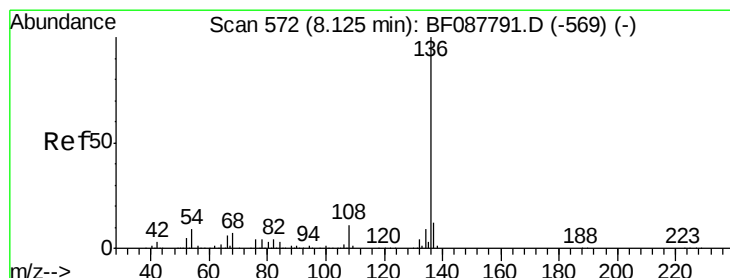
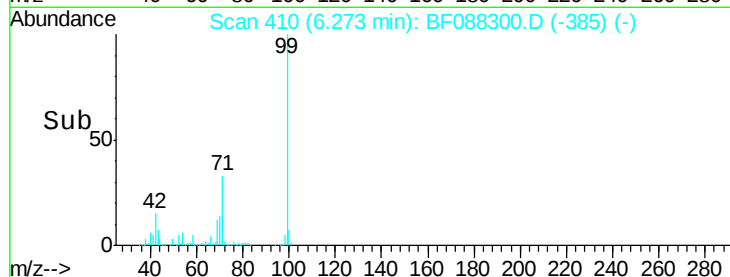
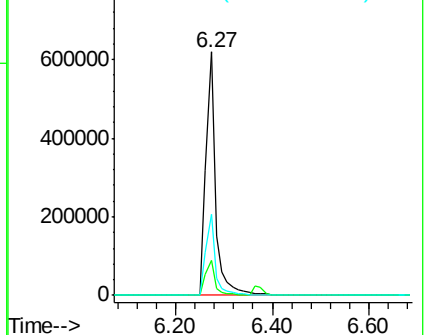
71 33.4 23.4 35.0



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: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

Tgt Ion: 136 Resp: 434601

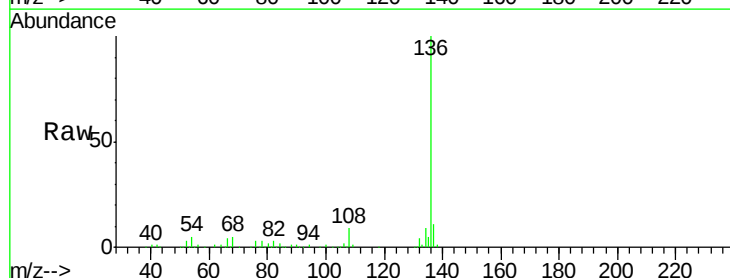
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.3 6.6 10.0#

68 4.7 5.1 7.7#

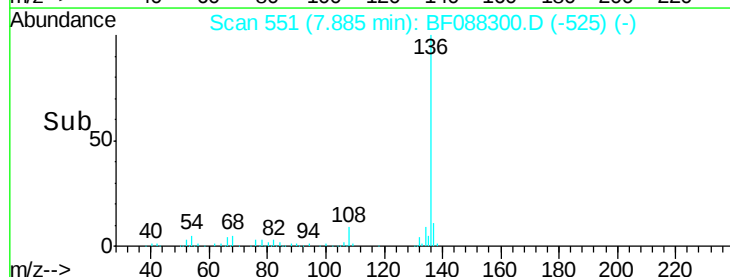
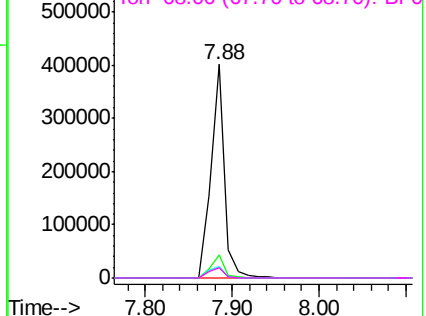


Abundance Ion 136.00 (135.70 to 136.70): E

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

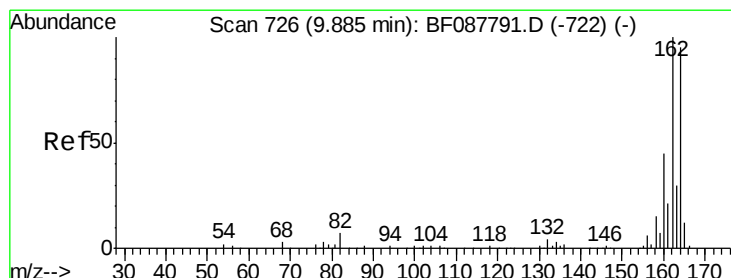
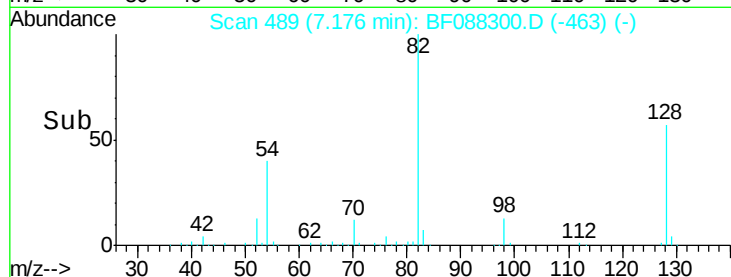
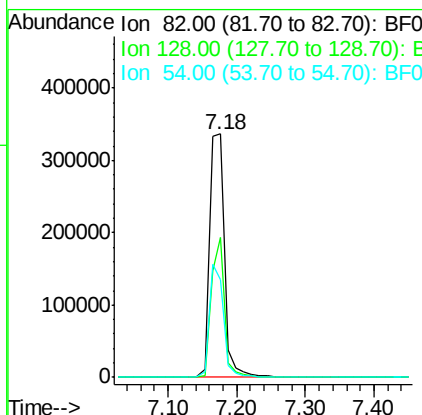
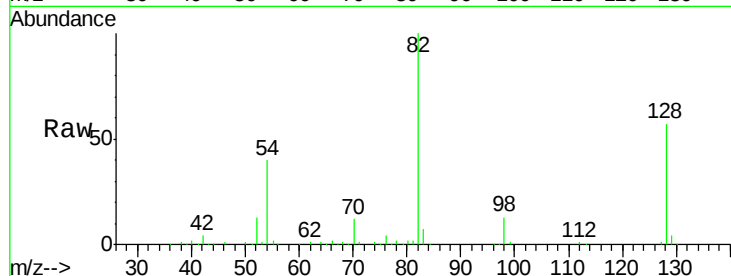




#23
 Nitrobenzene-d5
 Concen: 69.39 ng
 RT: 7.18 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: BF088300.D
 Acq: 23 Jun 2016 20:45

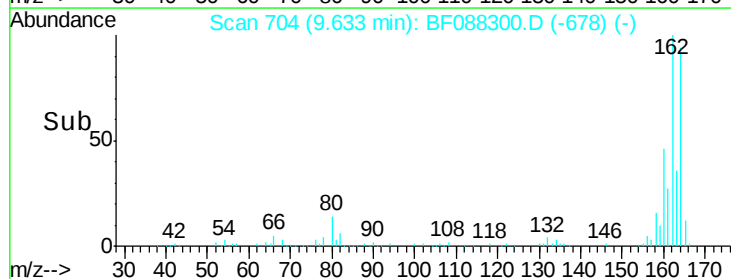
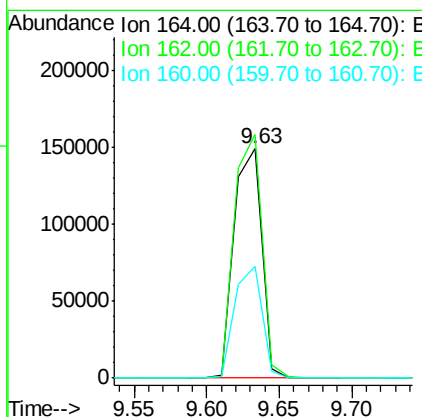
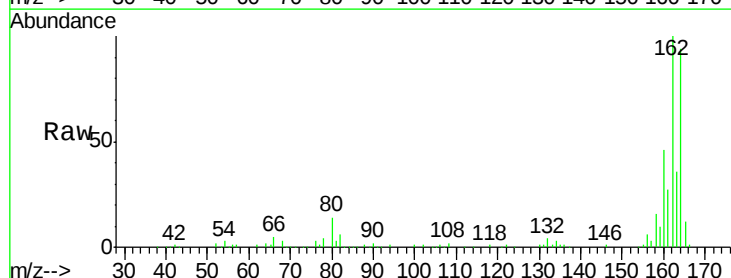
Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 82 Resp: 516459
 Ion Ratio Lower Upper
 82 100
 128 57.3 35.9 53.9#
 54 40.0 40.9 61.3#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: BF088300.D
 Acq: 23 Jun 2016 20:45

Tgt Ion: 164 Resp: 197533
 Ion Ratio Lower Upper
 164 100
 162 106.3 85.4 128.2
 160 48.9 39.5 59.3

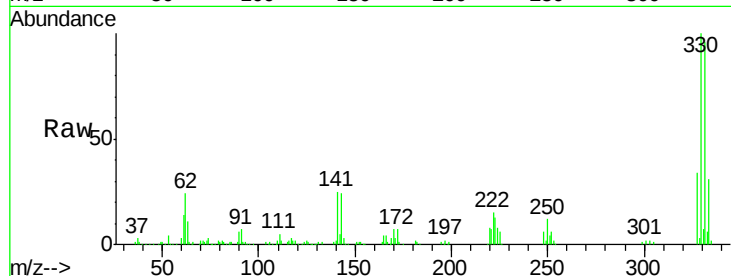




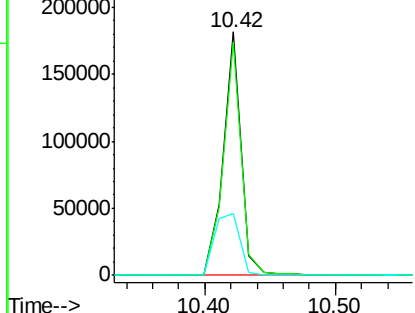
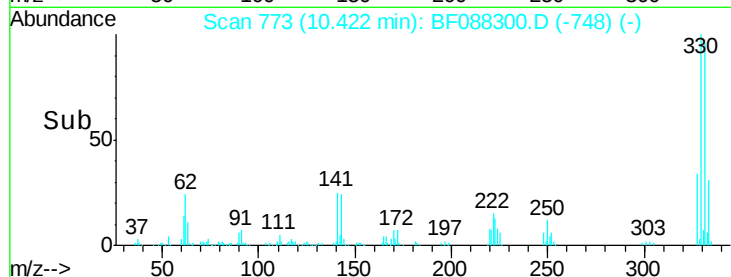
#41
 2,4,6-Tribromophenol
 Concen: 84.02 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF088300.D
 Acq: 23 Jun 2016 20:45

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	36.6	0.0	0.0#

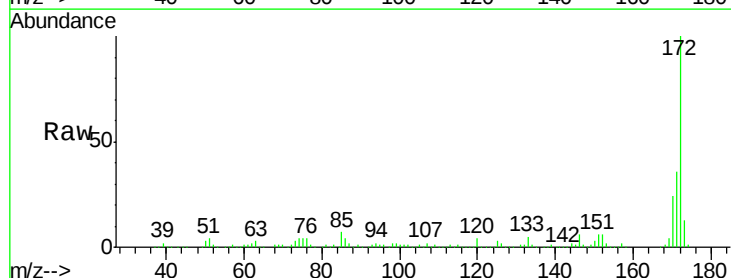


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

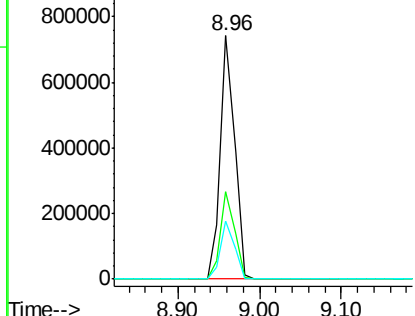
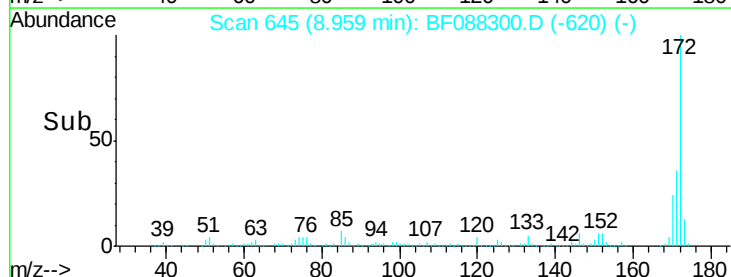


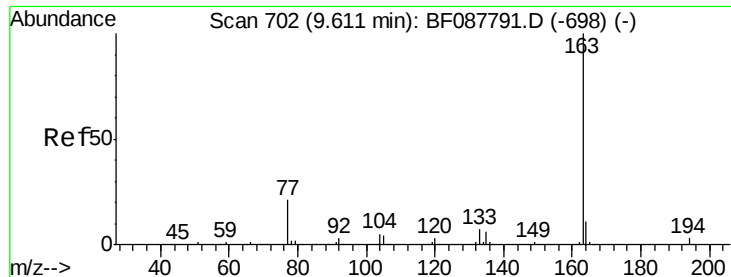
#44
 2-Fluorobiphenyl
 Concen: 70.76 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF088300.D
 Acq: 23 Jun 2016 20:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.1	19.2	28.8



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: 13.45 ng

RT: 9.36 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

Instrument :

BNA_F

ClientSampleId :

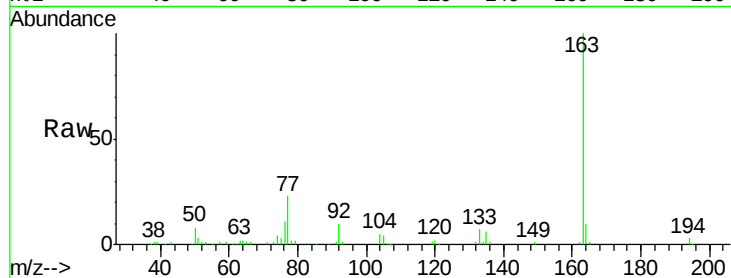
Tgt Ion:163 Resp: 192464

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

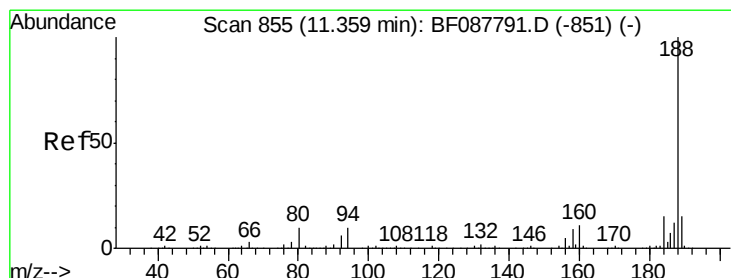
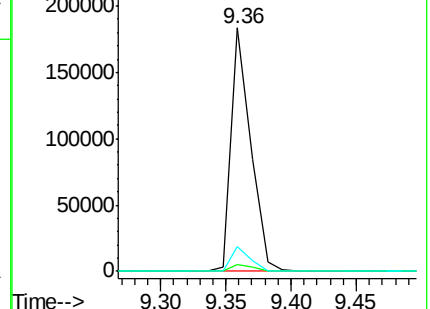
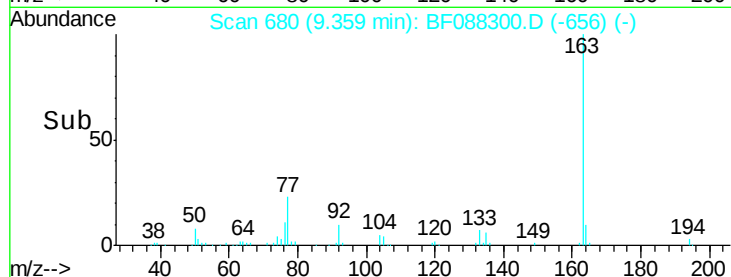
164 10.3 8.3 12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.11 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

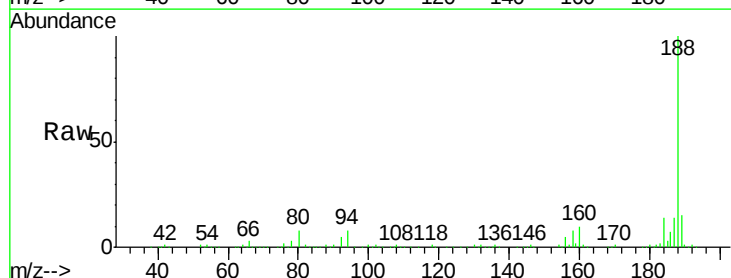
Tgt Ion:188 Resp: 376053

Ion Ratio Lower Upper

188 100

94 8.3 9.0 13.6#

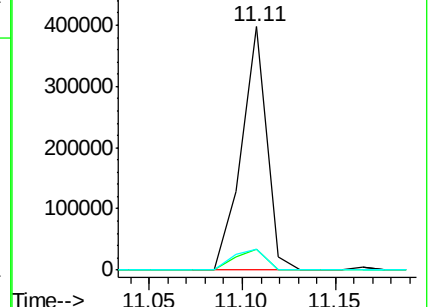
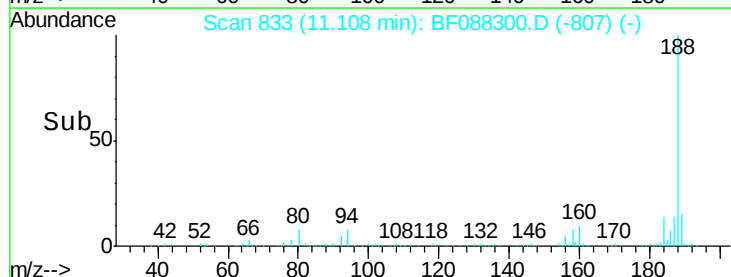
80 8.4 10.0 15.0#

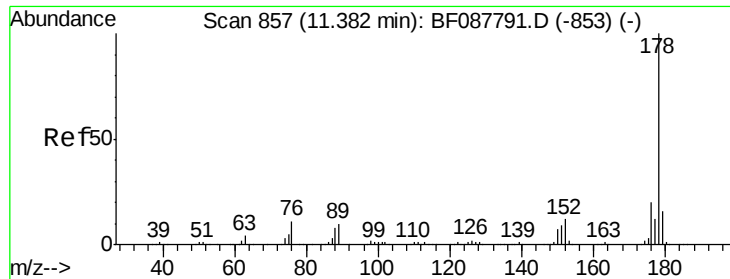


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

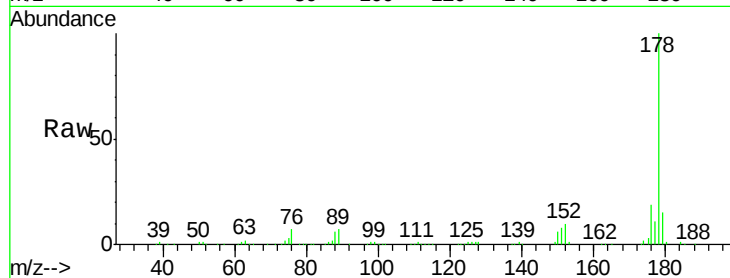




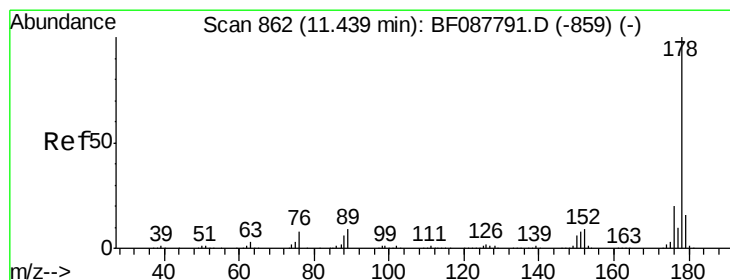
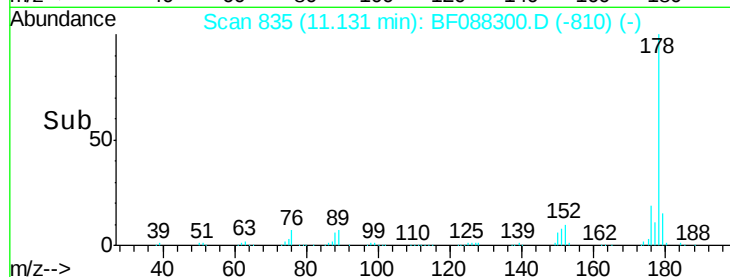
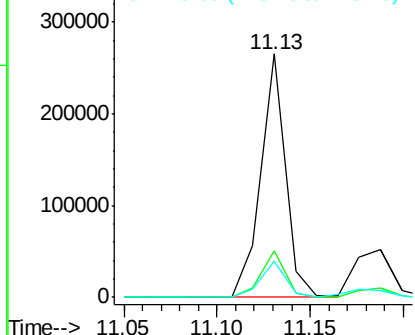
#70
Phenanthrene
Concen: 12.28 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF088300.D
Acq: 23 Jun 2016 20:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 242356
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 14.8 13.0 19.4

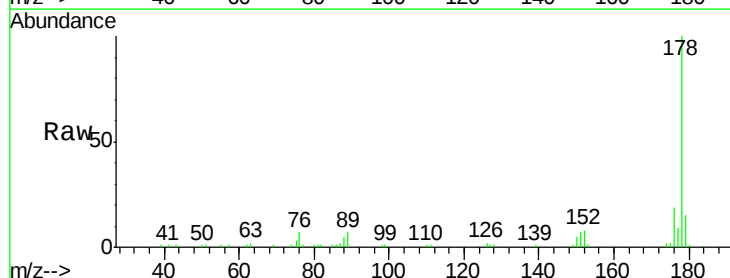


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

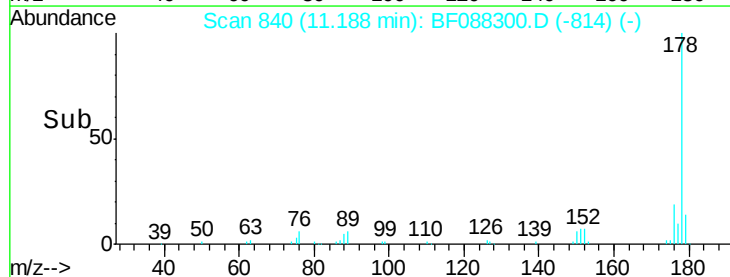
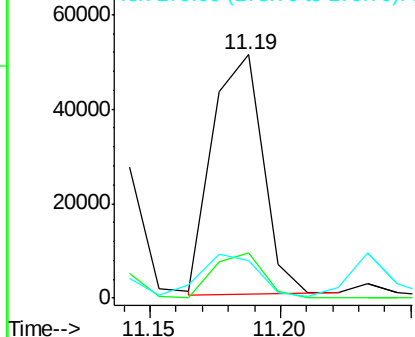


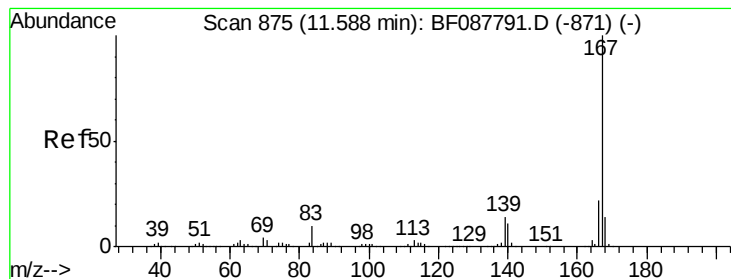
#71
Anthracene
Concen: 3.46 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF088300.D
Acq: 23 Jun 2016 20:45

Tgt Ion:178 Resp: 68876
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.5 12.8 19.2



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





#72

Carbazole

Concen: 2.62 ng

RT: 11.35 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

Instrument :

BNA_F

ClientSampleId :

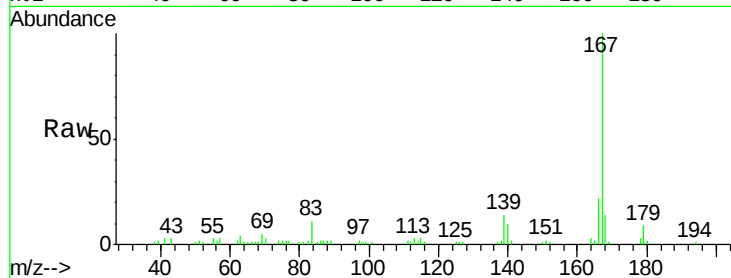
Tgt Ion:167 Resp: 48732

Ion Ratio Lower Upper

167 100

166 21.5 17.8 26.6

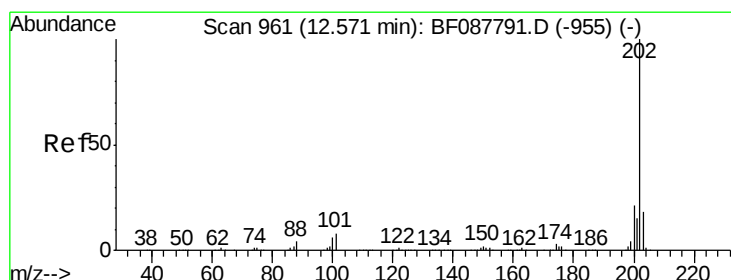
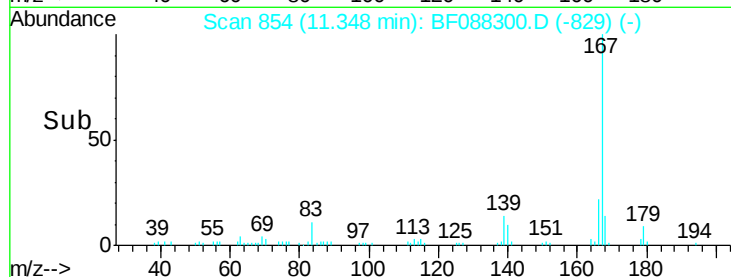
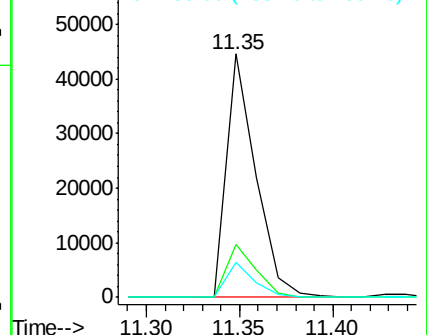
139 14.3 11.2 16.8



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 18.98 ng

RT: 12.31 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

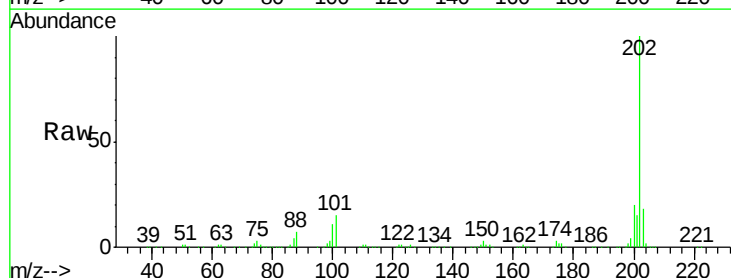
Tgt Ion:202 Resp: 395246

Ion Ratio Lower Upper

202 100

101 14.7 0.0 33.1

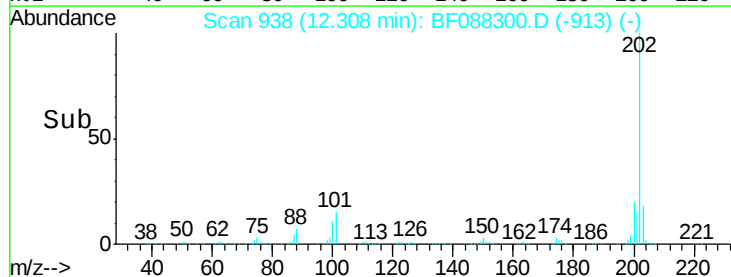
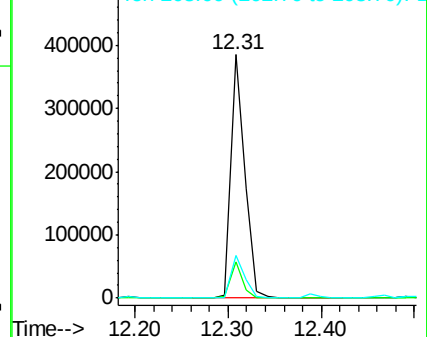
203 17.7 0.0 38.1

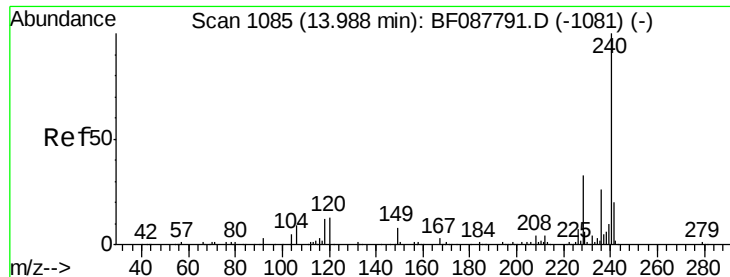


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.74 min Scan# 1063

Delta R.T. -0.00 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

Instrument :

BNA_F

ClientSampleId :

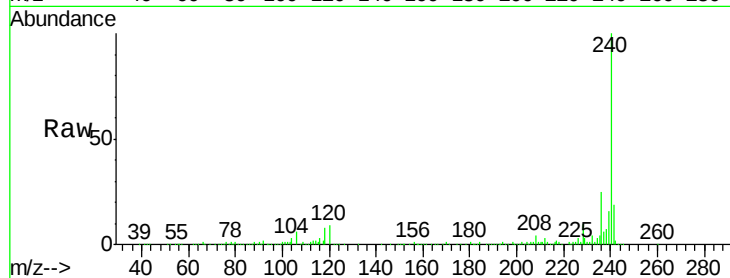
Tgt Ion:240 Resp: 252427

Ion Ratio Lower Upper

240 100

120 9.1 6.8 10.2

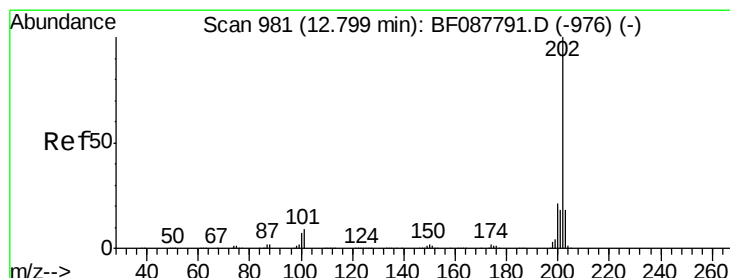
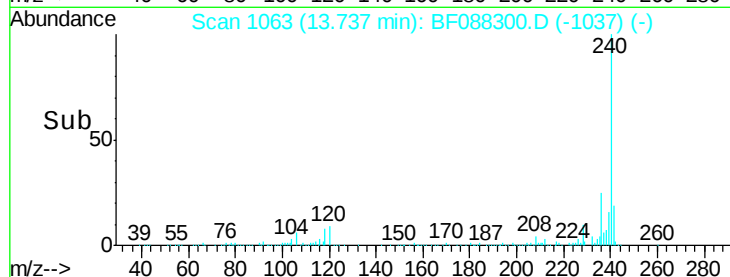
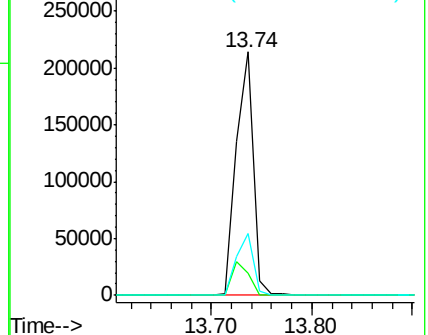
236 25.3 20.2 30.2



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: 17.24 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.01 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

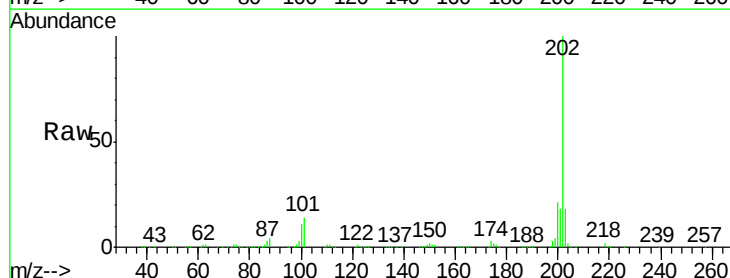
Tgt Ion:202 Resp: 322968

Ion Ratio Lower Upper

202 100

200 20.9 17.4 26.2

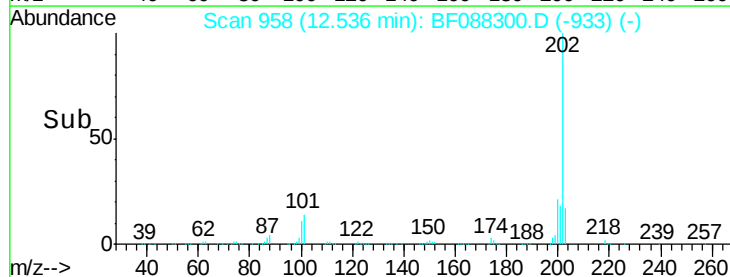
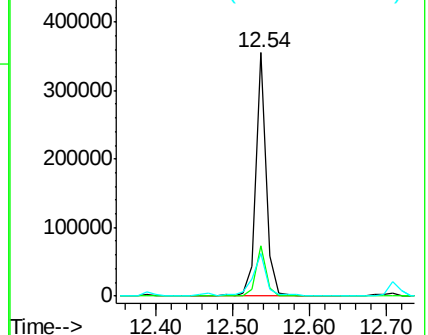
203 17.8 14.5 21.7

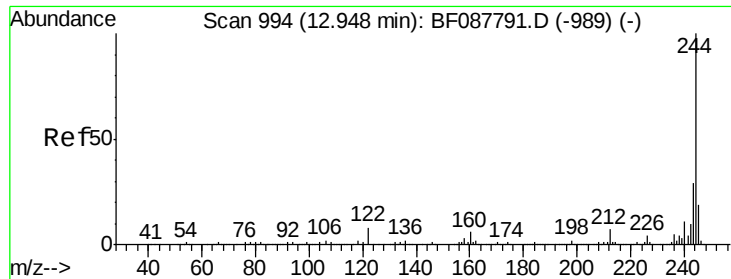


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

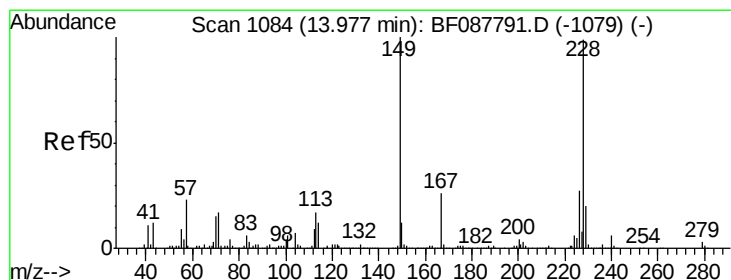
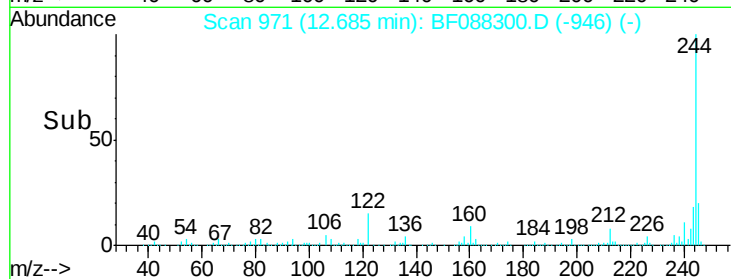
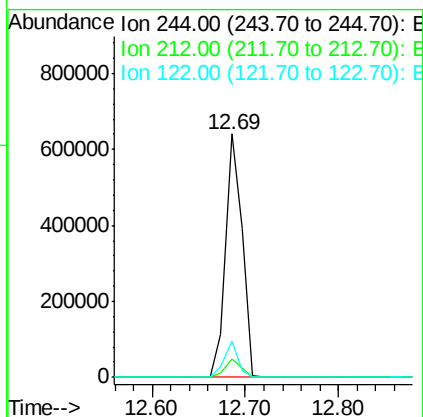
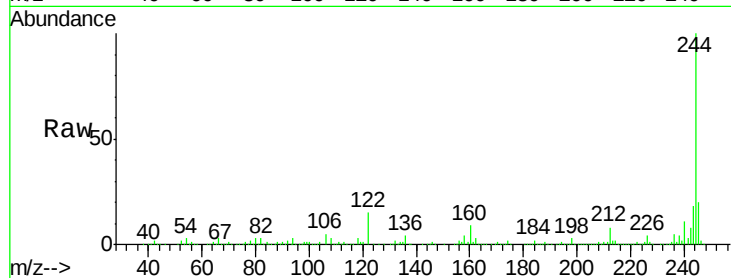




#78
 Terphenyl-d14
 Concen: 71.41 ng
 RT: 12.69 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: BF088300.D
 Acq: 23 Jun 2016 20:45

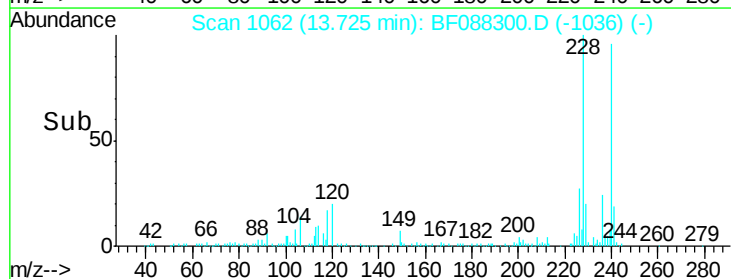
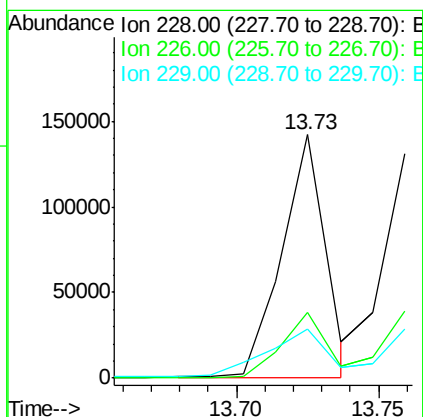
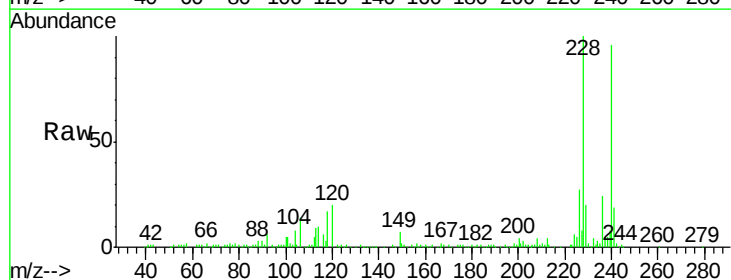
Instrument :
 BNA_F
 ClientSampleId :

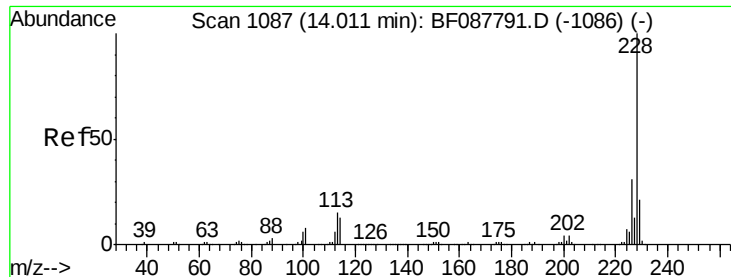
Tgt Ion:244 Resp: 792181
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 14.8 11.2 16.8



#80
 Benzo(a)anthracene
 Concen: 10.65 ng m
 RT: 13.73 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: BF088300.D
 Acq: 23 Jun 2016 20:45

Tgt Ion:228 Resp: 153164
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.3 33.5
 229 19.9 16.0 24.0





#82

Chrysene

Concen: 9.89 ng m

RT: 13.76 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

Instrument :

BNA_F

ClientSampleId :

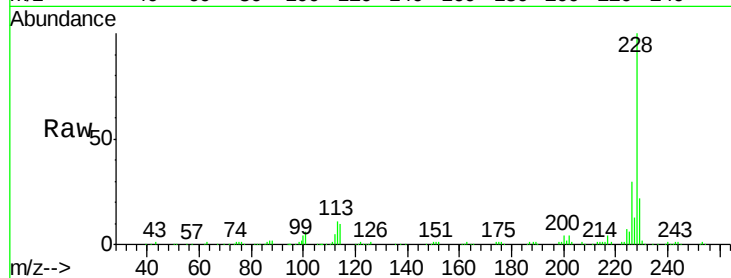
Tgt Ion:228 Resp: 133872

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.2

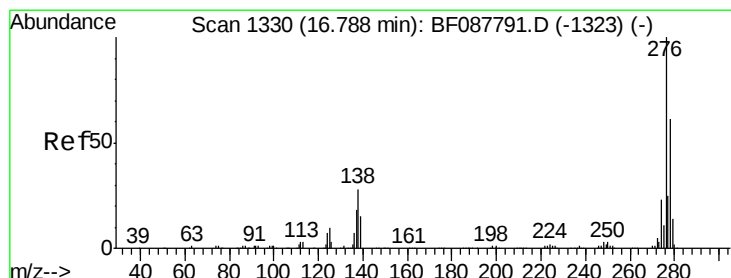
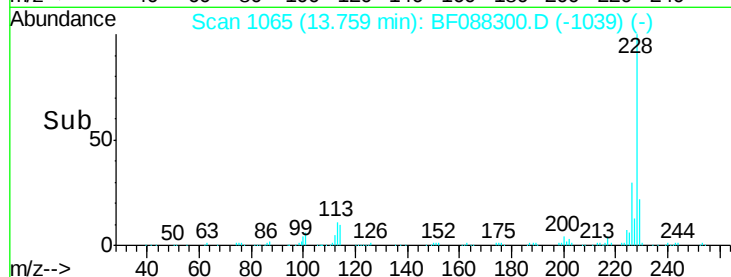
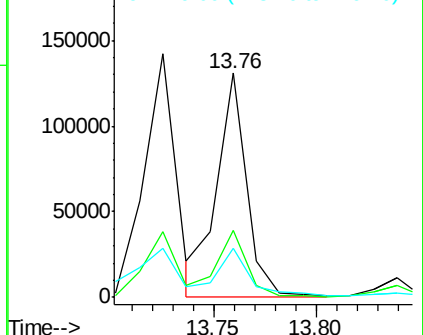
229 22.0 16.3 24.5



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: 4.14 ng

RT: 16.35 min Scan# 1292

Delta R.T. -0.00 min

Lab File: BF088300.D

Acq: 23 Jun 2016 20:45

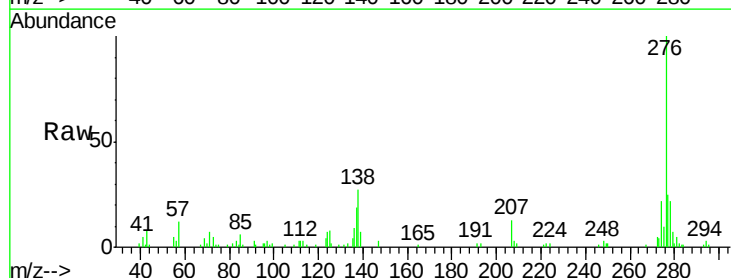
Tgt Ion:276 Resp: 52037

Ion Ratio Lower Upper

276 100

138 25.3 0.0 0.0#

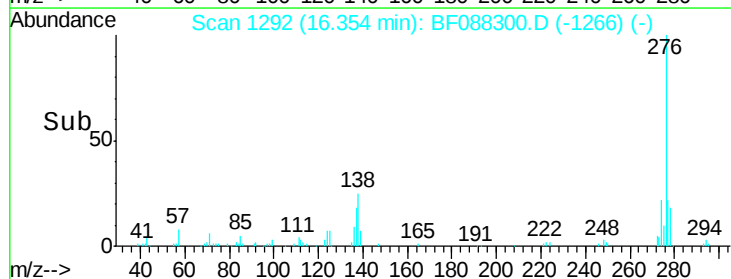
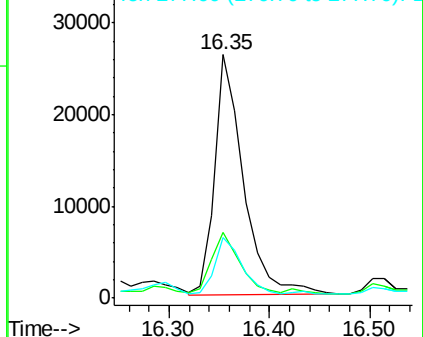
277 21.8 0.0 0.0#

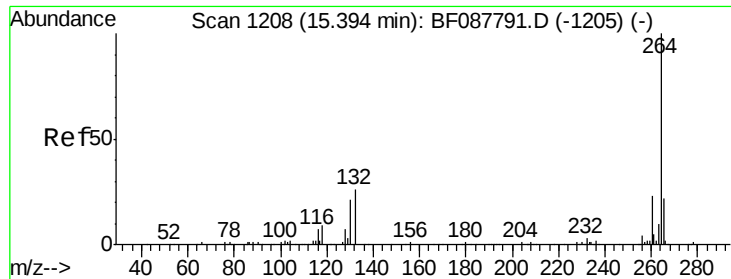


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

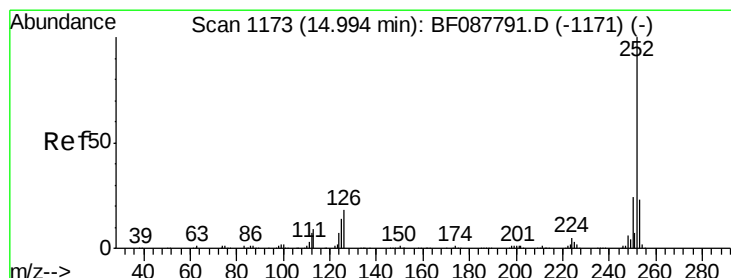
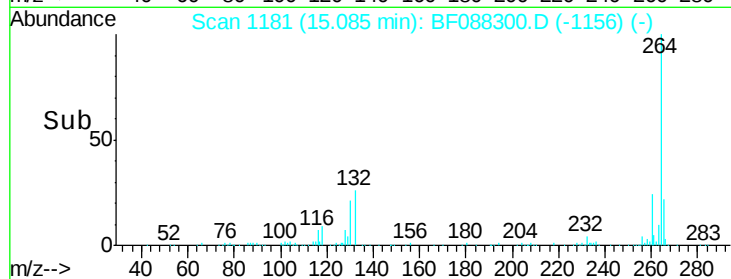
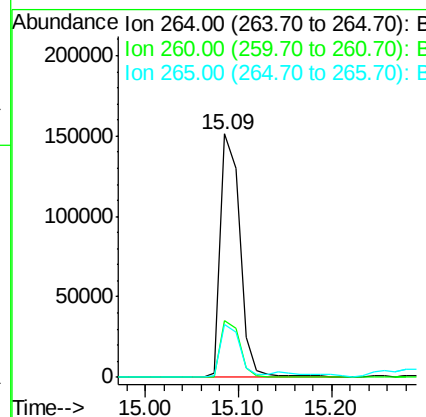
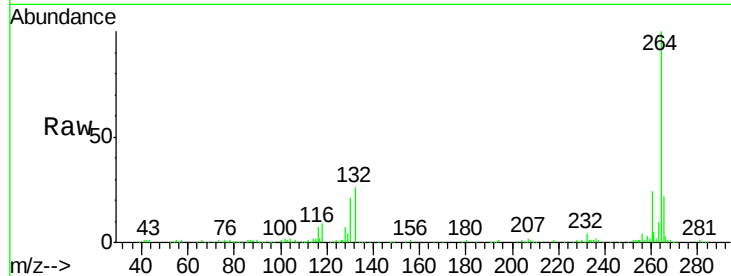




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.09 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF088300.D
Acq: 23 Jun 2016 20:45

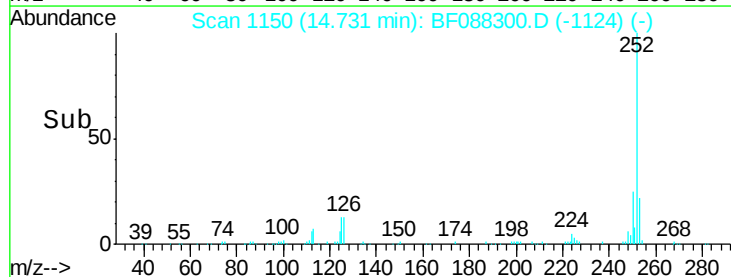
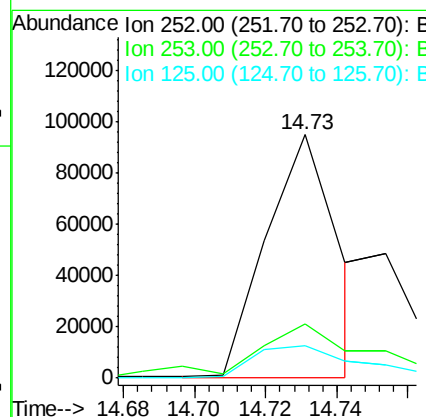
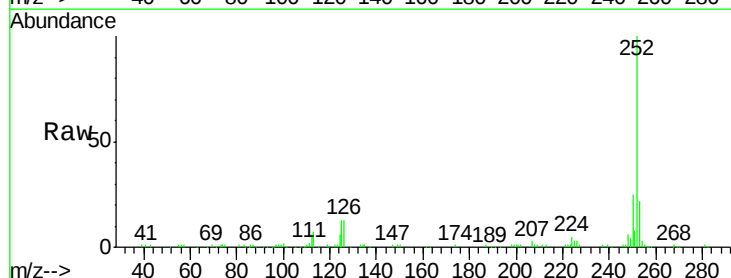
Instrument :
BNA_F
ClientSampleId :

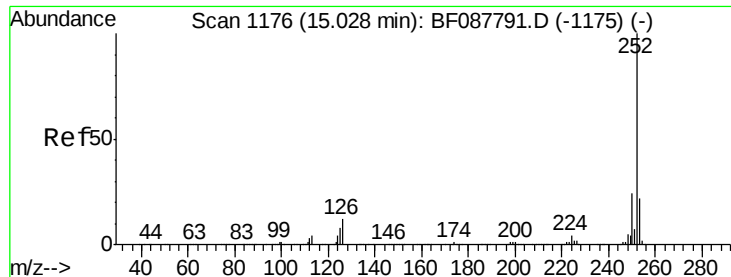
Tgt Ion:264 Resp: 218989
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.9 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 8.75 ng m
RT: 14.73 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF088300.D
Acq: 23 Jun 2016 20:45

Tgt Ion:252 Resp: 133626
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 13.1 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 4.14 ng m

RT: 14.75 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BF088300.D

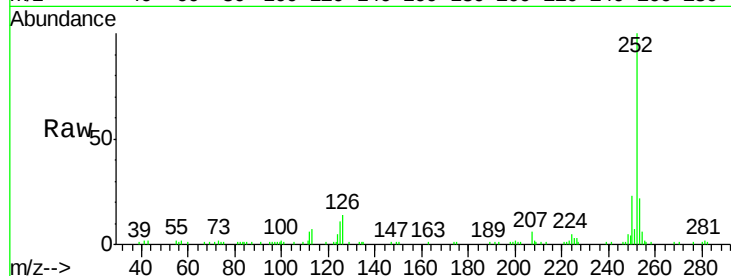
Acq: 23 Jun 2016 20:45

Instrument :

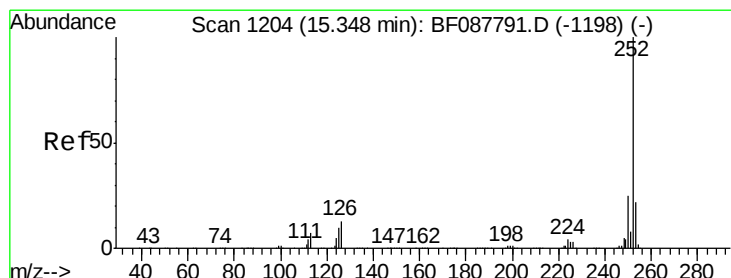
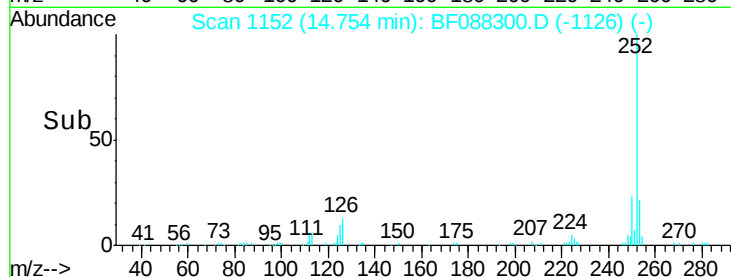
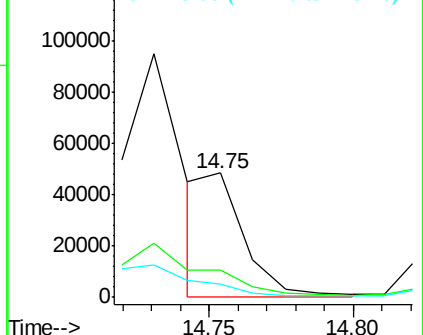
BNA_F

ClientSampleId :

Tgt Ion:	252	Resp:	47612
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.0	27.0
125	11.1	11.2	16.8#



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: 7.52 ng

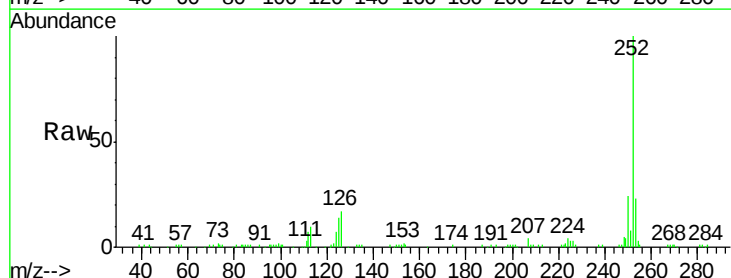
RT: 15.04 min Scan# 1177

Delta R.T. -0.00 min

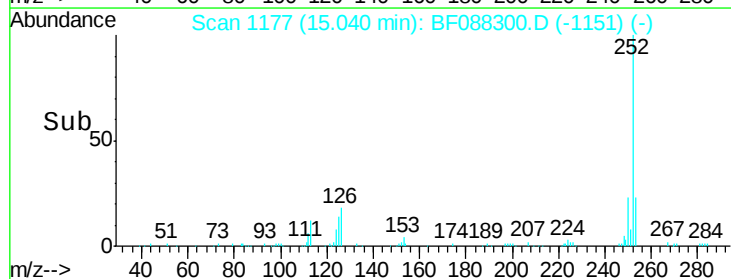
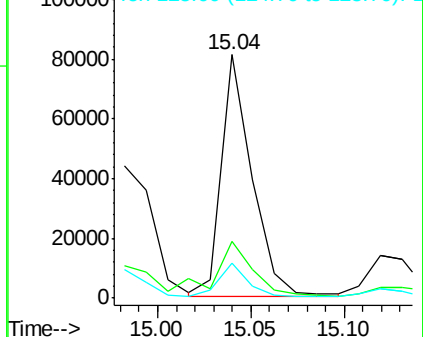
Lab File: BF088300.D

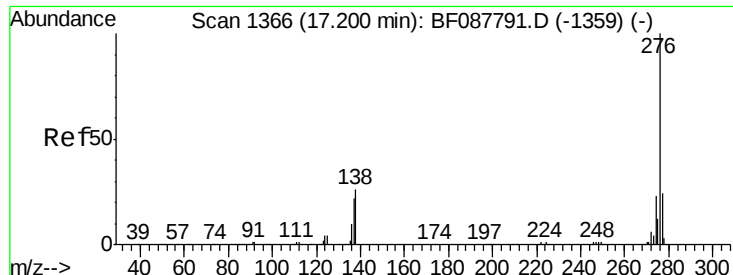
Acq: 23 Jun 2016 20:45

Tgt Ion:	252	Resp:	92835
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	14.4	12.5	18.7



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: 4.04 ng
 RT: 16.73 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: BF088300.D
 Acq: 23 Jun 2016 20:45

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:	276	Resp:	47684
Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.9	28.3
138	26.9	21.4	32.2

