

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
 Data File : BF087865.D
 Acq On : 9 Jun 2016 21:19
 Operator : UM/SJ
 Sample : H3378-10RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-20RE

Quant Time: Jun 10 03:11:21 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

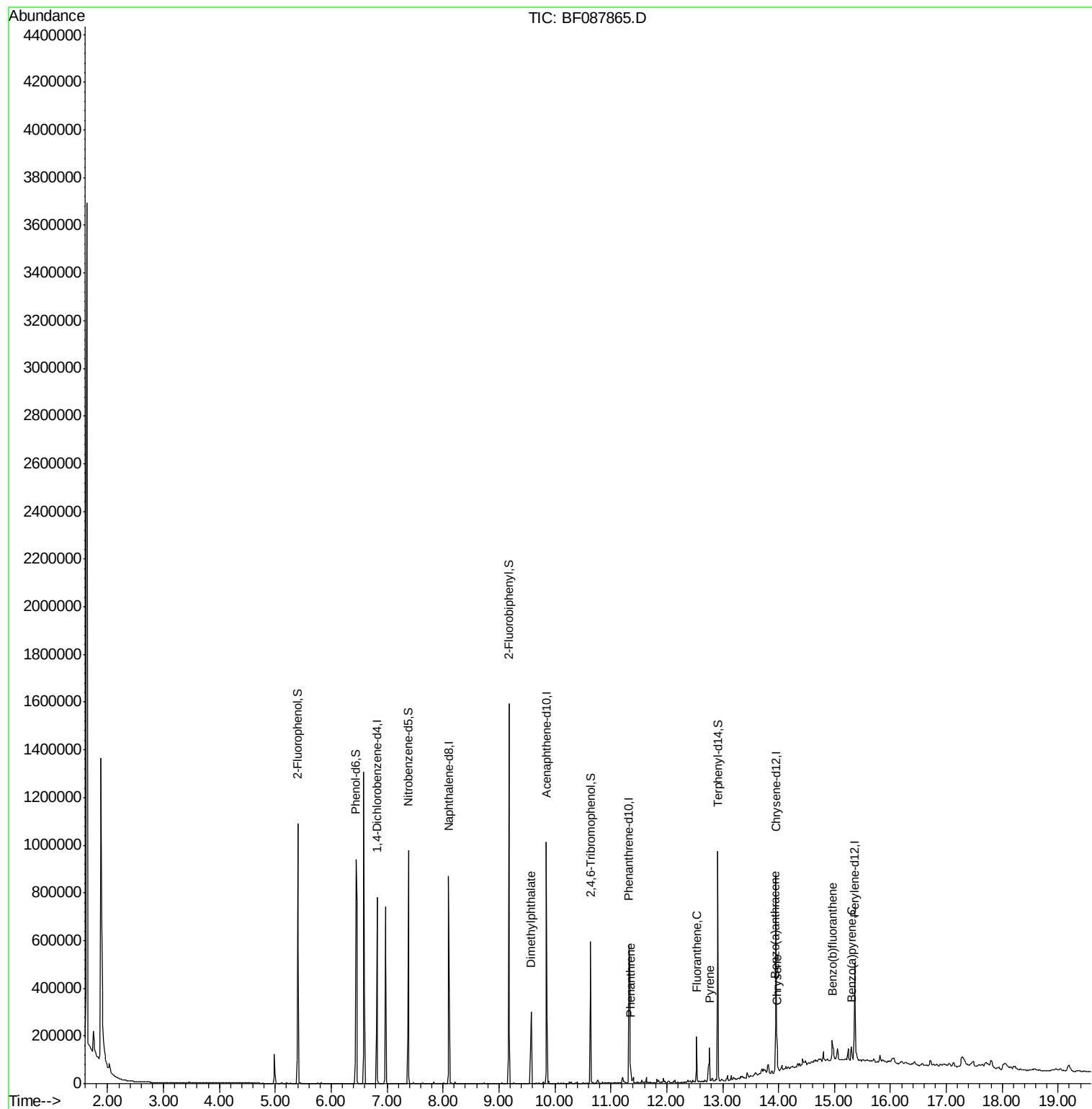
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	121624	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	451814	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	195188	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	285771	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	249857	20.00	ng	-0.03
86) Perylene-d12	15.36	264	195151	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	379673	53.37	ng	-0.02
7) Phenol-d6	6.44	99	487238	56.51	ng	-0.03
23) Nitrobenzene-d5	7.38	82	289941	37.47	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	94468	45.84	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	459019	33.59	ng	-0.03
78) Terphenyl-d14	12.91	244	342513	31.19	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	150099	10.62	ng	98
70) Phenanthrene	11.35	178	38930	2.60	ng	97
74) Fluoranthene	12.54	202	75293	4.76	ng	96
77) Pyrene	12.77	202	65759	3.55	ng	97
80) Benzo(a)anthracene	13.94	228	40024	2.81	ng	96
82) Chrysene	13.98	228	30536	2.28	ng	96
87) Benzo(b)fluoranthene	14.96	252	36899m	2.71	ng	
89) Benzo(a)pyrene	15.30	252	26285	2.39	ng	98

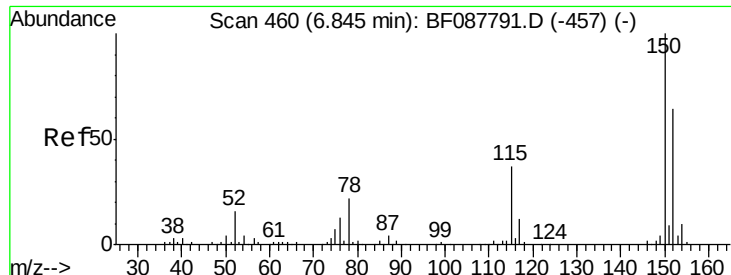
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 458

Delta R.T. -0.02 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

SS-20RE

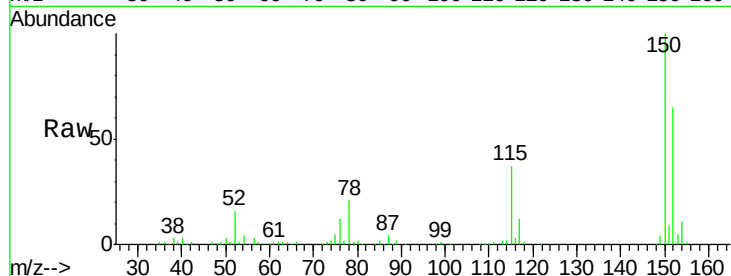
Tot Ion:152 Resp: 121624

Ion Ratio Lower Upper

152 100

150 153.5 123.8 185.6

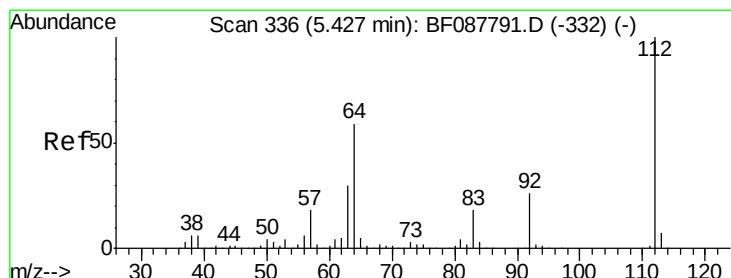
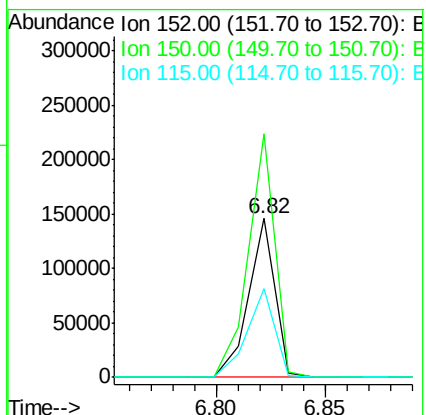
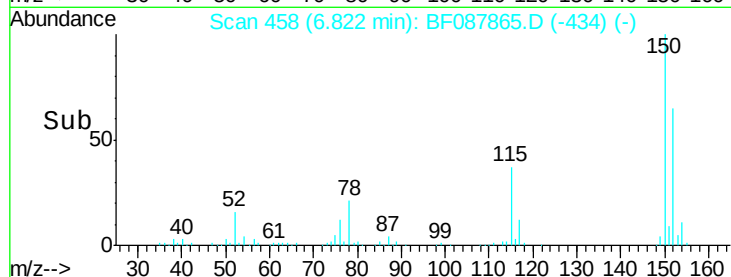
115 56.0 39.6 59.4



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: 53.37 ng

RT: 5.40 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

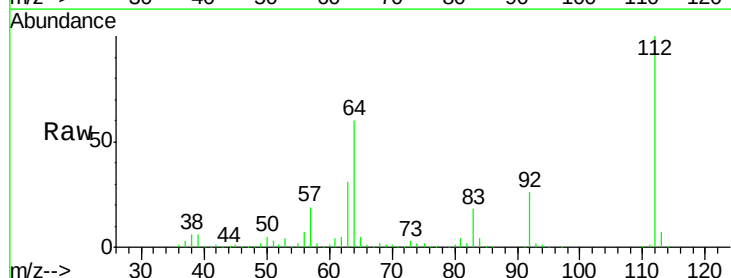
Tgt Ion:112 Resp: 379673

Ion Ratio Lower Upper

112 100

64 60.5 42.2 63.2

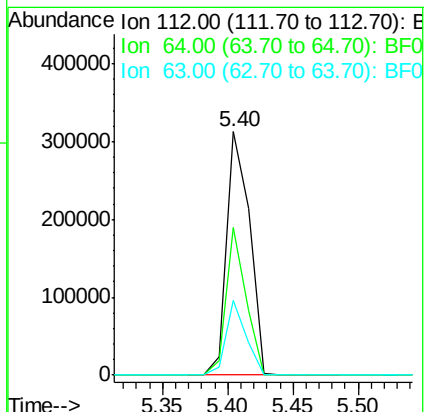
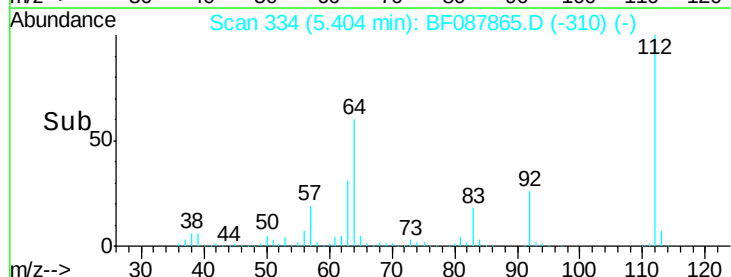
63 30.9 21.8 32.8

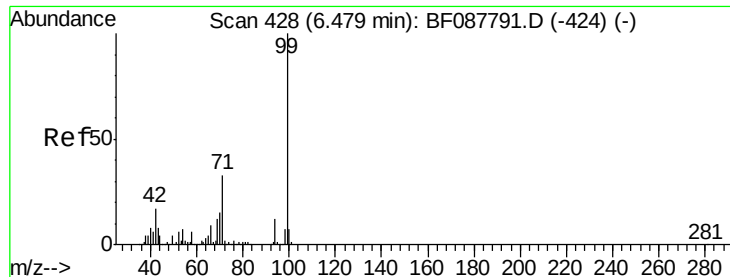


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 56.51 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

SS-20RE

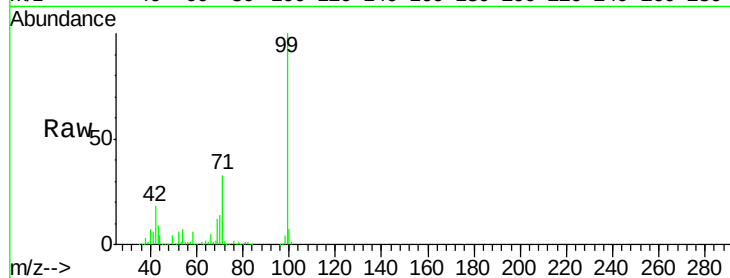
Tot Ion: 99 Resp: 487238

Ion Ratio Lower Upper

99 100

42 17.8 12.2 18.2

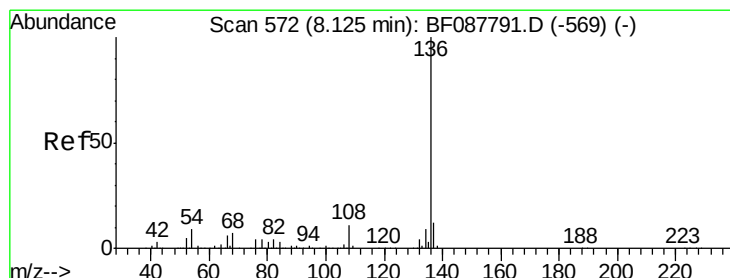
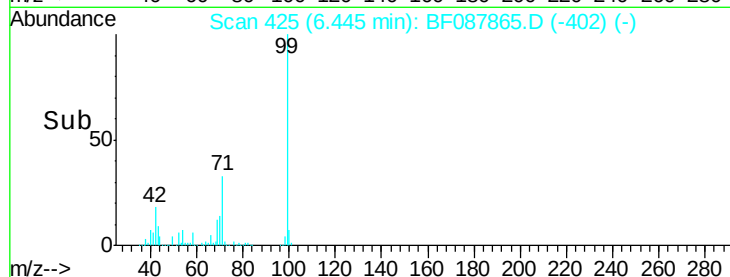
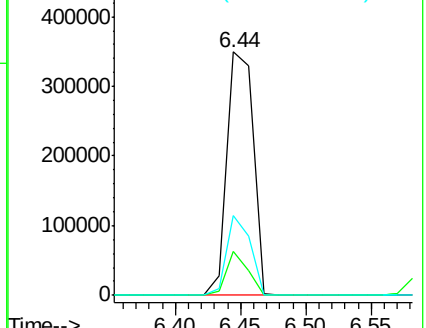
71 32.8 23.4 35.0



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: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

Tgt Ion: 136 Resp: 451814

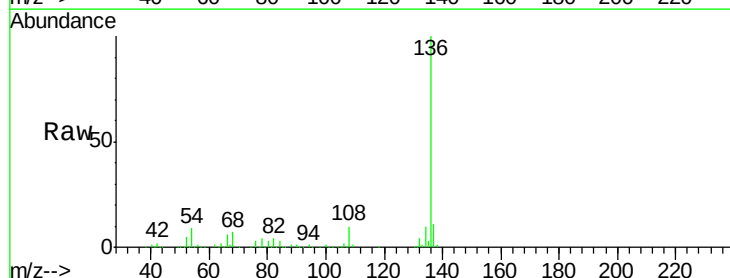
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 9.1 6.6 10.0

68 7.0 5.1 7.7

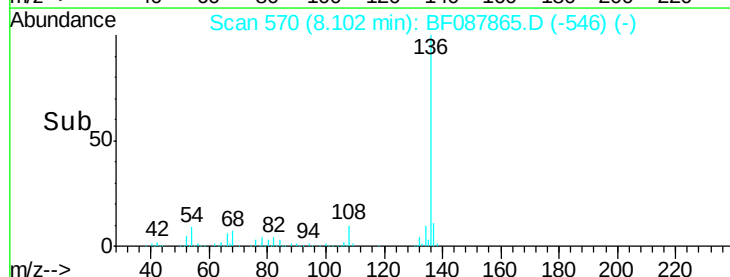
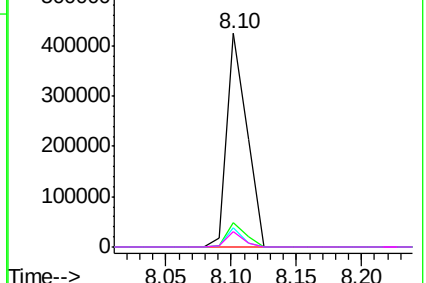


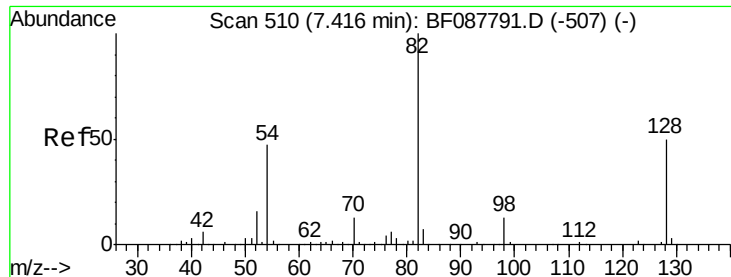
Abundance Ion 136.00 (135.70 to 136.70): E

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

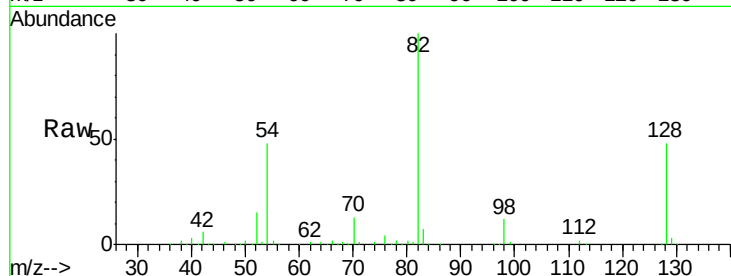




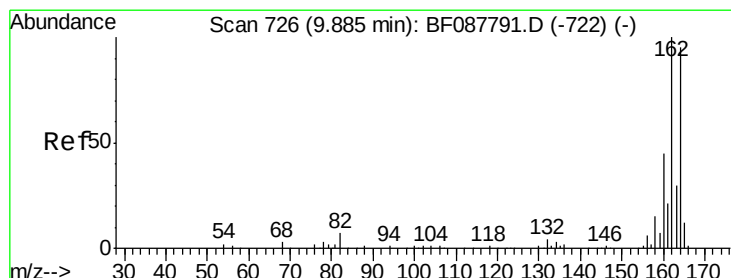
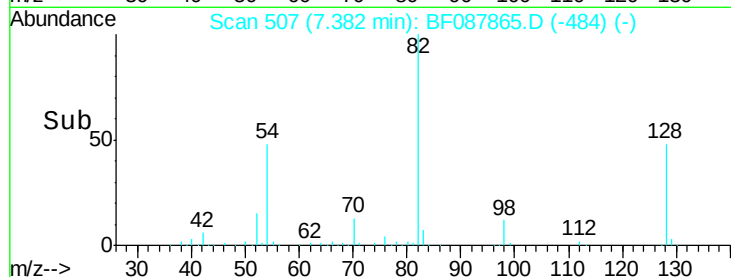
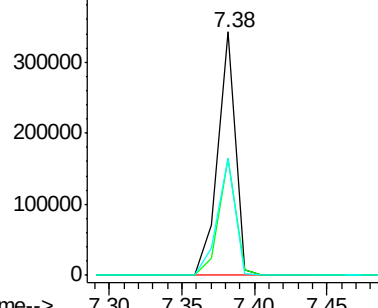
#23
 Nitrobenzene-d5
 Concen: 37.47 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087865.D
 Acq: 9 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 SS-20RE

Tot Ion: 82 Resp: 289941
 Ion Ratio Lower Upper
 82 100
 128 48.0 35.9 53.9
 54 47.8 40.9 61.3

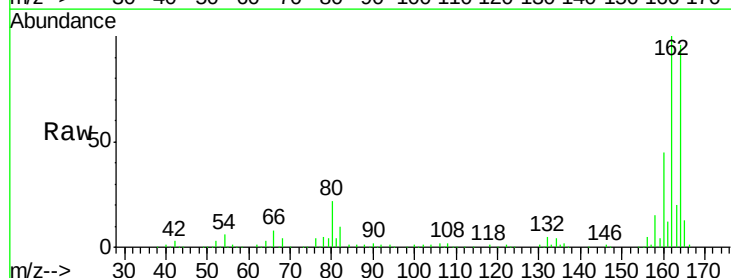


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

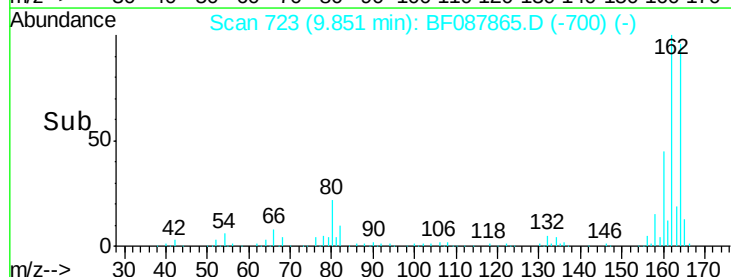
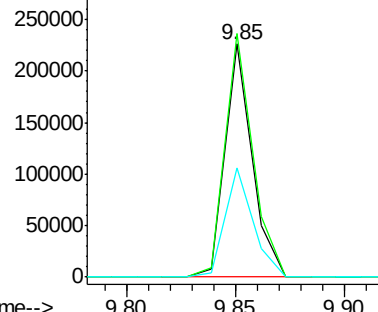


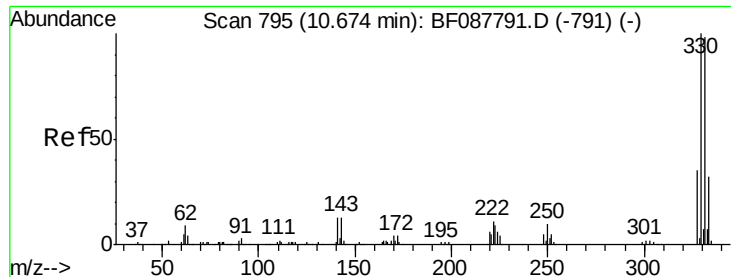
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 723
 Delta R.T. -0.03 min
 Lab File: BF087865.D
 Acq: 9 Jun 2016 21:19

Tgt Ion:164 Resp: 195188
 Ion Ratio Lower Upper
 164 100
 162 104.4 85.4 128.2
 160 47.0 39.5 59.3



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

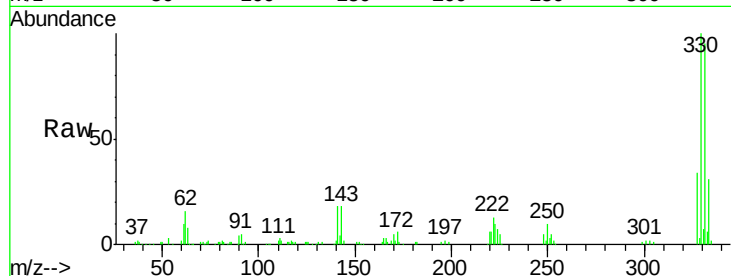




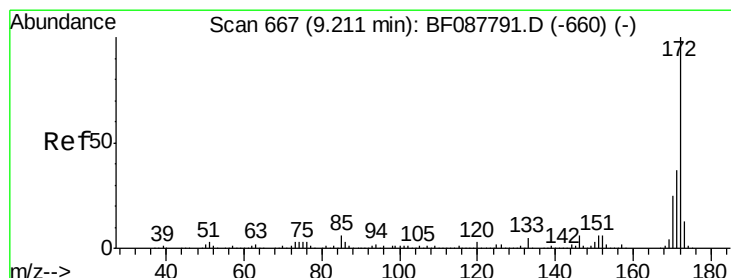
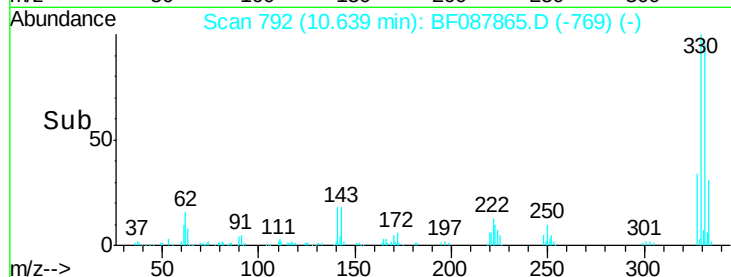
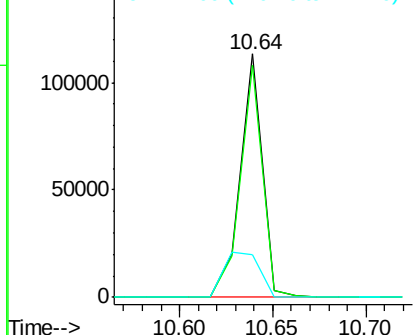
#41
 2,4,6-Tribromophenol
 Concen: 45.84 ng
 RT: 10.64 min Scan# 792
 Delta R.T. -0.03 min
 Lab File: BF087865.D
 Acq: 9 Jun 2016 21:19

Instrument :
 BNA_F
 ClientSampleId :
 SS-20RE

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	0.0	0.0#
141	30.3	0.0	0.0#

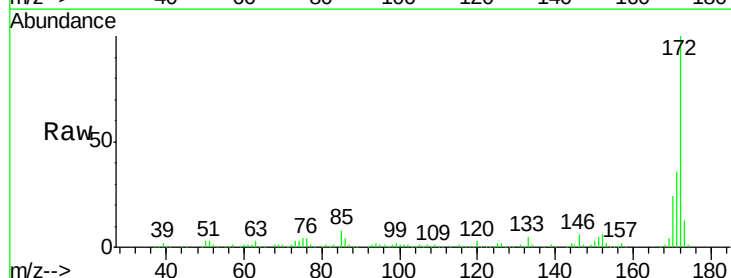


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

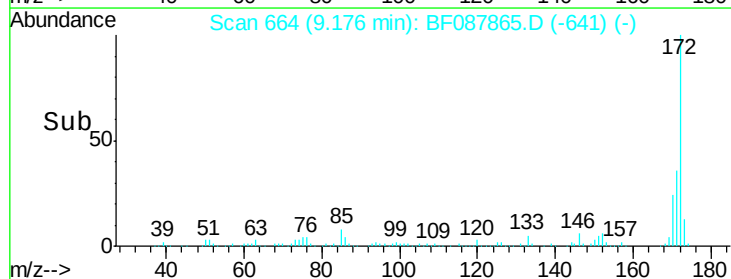
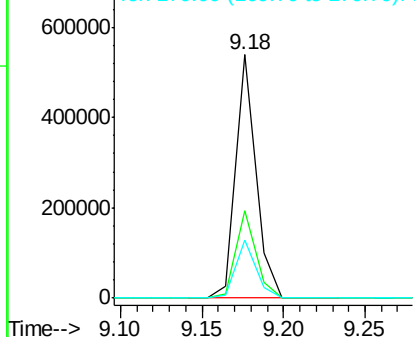


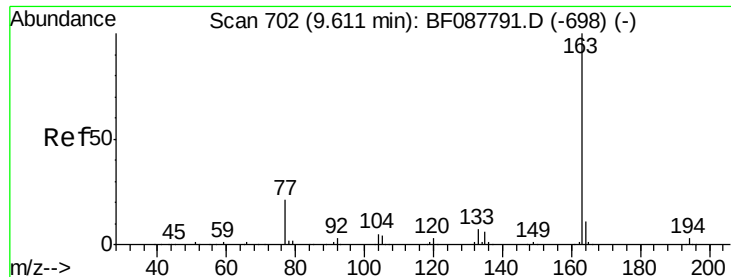
#44
 2-Fluorobiphenyl
 Concen: 33.59 ng
 RT: 9.18 min Scan# 664
 Delta R.T. -0.03 min
 Lab File: BF087865.D
 Acq: 9 Jun 2016 21:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.7	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: 10.62 ng

RT: 9.58 min Scan# 699

Delta R.T. -0.03 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

SS-20RE

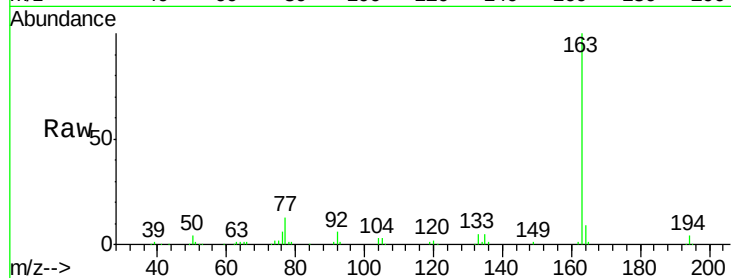
Tot Ion:163 Resp: 150099

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

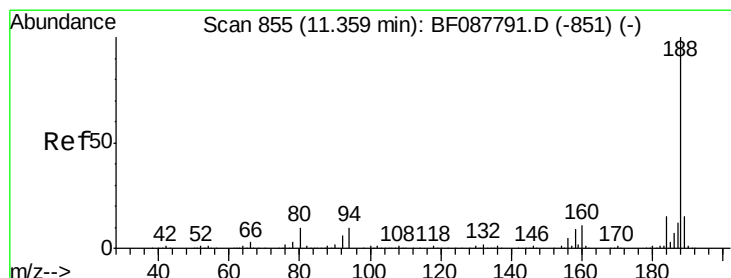
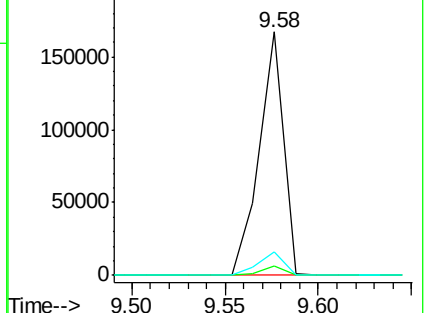
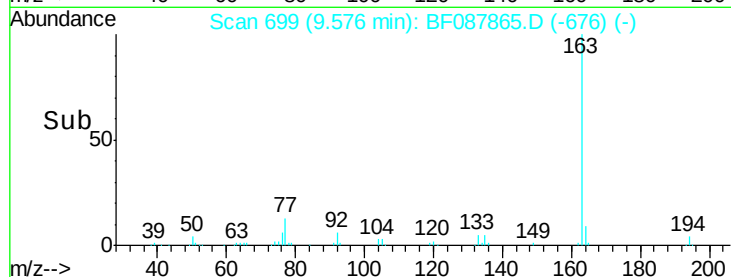
164 9.5 8.3 12.5



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: 11.32 min Scan# 852

Delta R.T. -0.03 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

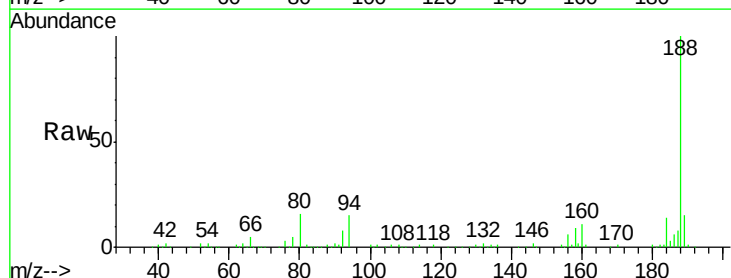
Tgt Ion:188 Resp: 285771

Ion Ratio Lower Upper

188 100

94 14.5 9.0 13.6#

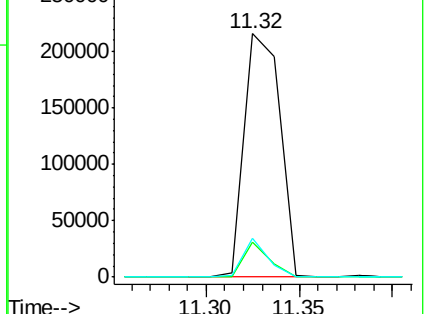
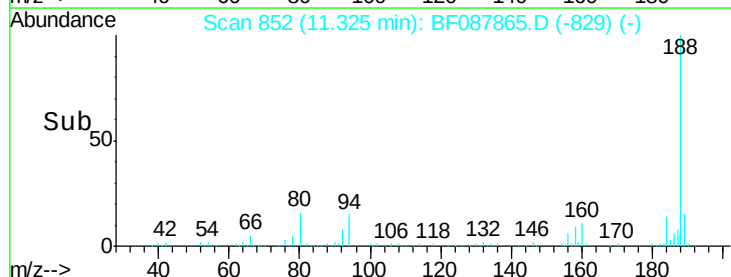
80 15.8 10.0 15.0#

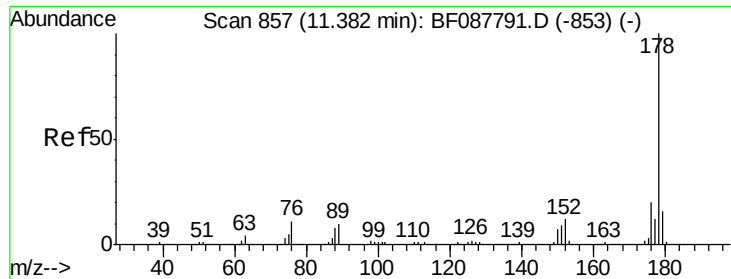


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

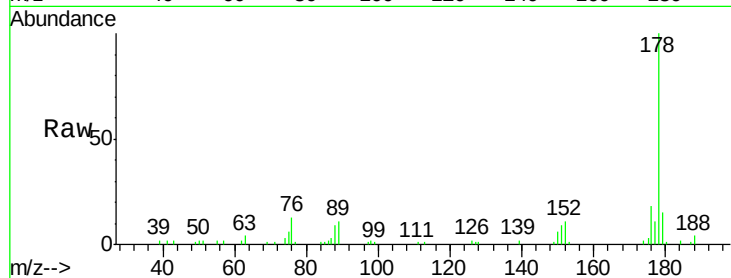




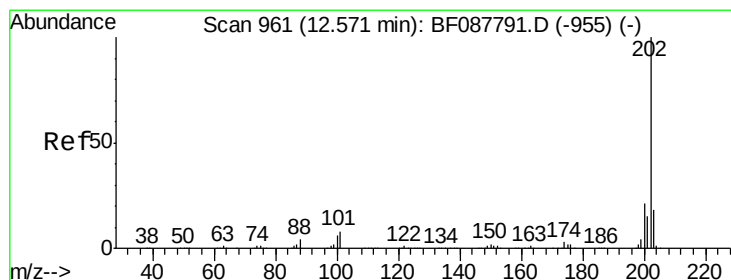
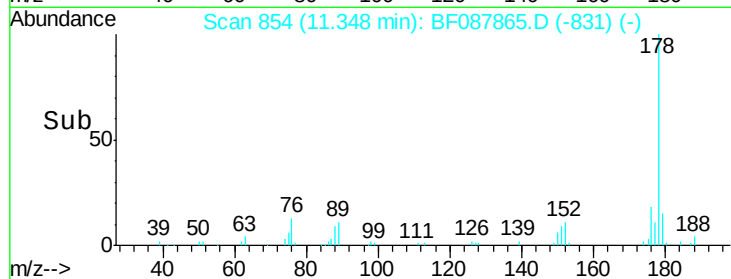
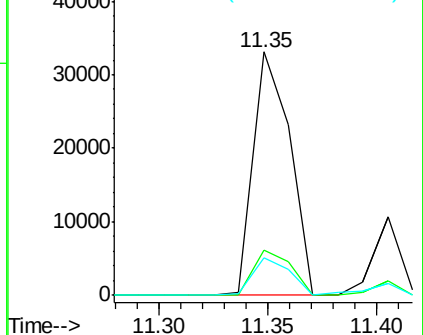
#70
Phenanthrene
Concen: 2.60 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087865.D
Acq: 9 Jun 2016 21:19

Instrument :
BNA_F
ClientSampleId :
SS-20RE

Tot Ion:178 Resp: 38930
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.6
179 15.2 13.0 19.4

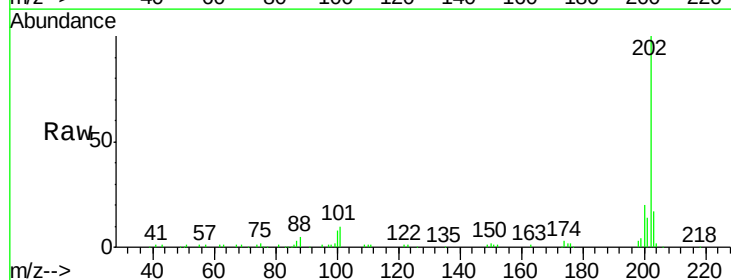


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

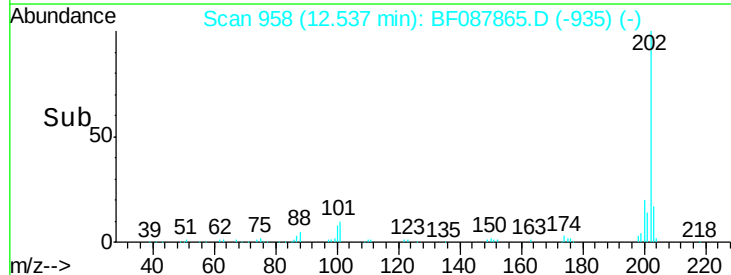
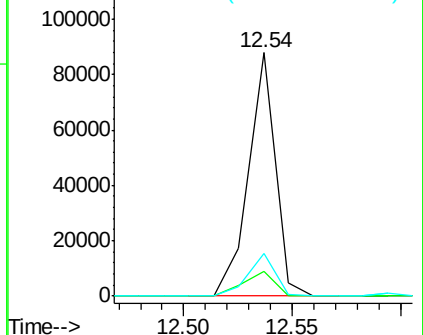


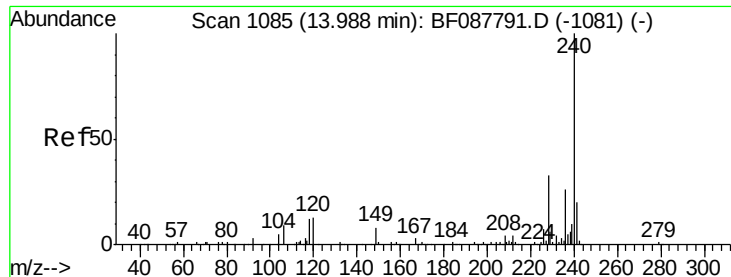
#74
Fluoranthene
Concen: 4.76 ng
RT: 12.54 min Scan# 958
Delta R.T. -0.03 min
Lab File: BF087865.D
Acq: 9 Jun 2016 21:19

Tgt Ion:202 Resp: 75293
Ion Ratio Lower Upper
202 100
101 10.2 0.0 33.1
203 17.3 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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

SS-20RE

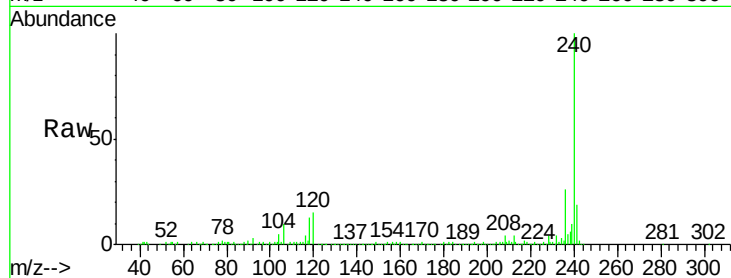
Tot Ion:240 Resp: 249857

Ion Ratio Lower Upper

240 100

120 14.7 6.8 10.2#

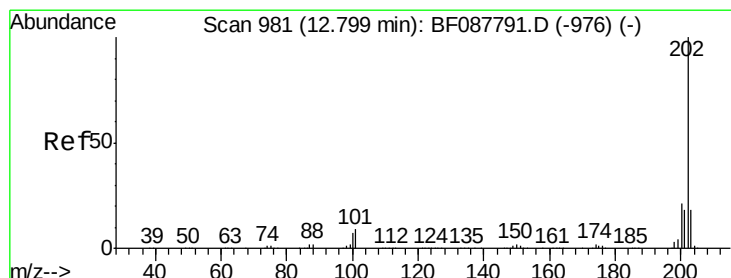
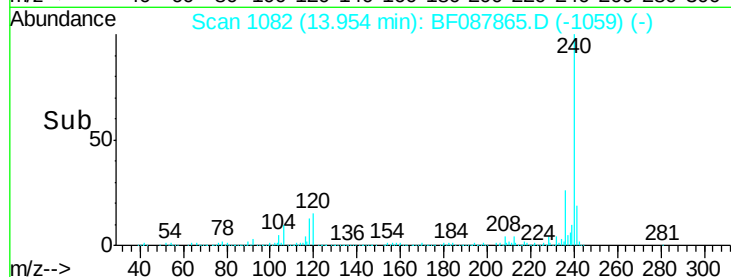
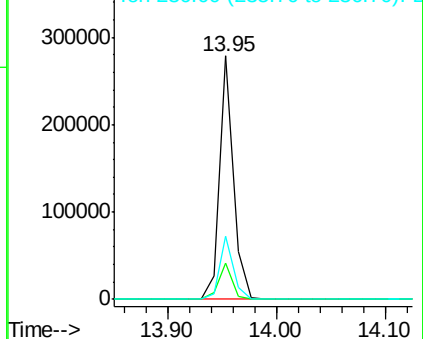
236 25.7 20.2 30.2



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: 3.55 ng

RT: 12.77 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

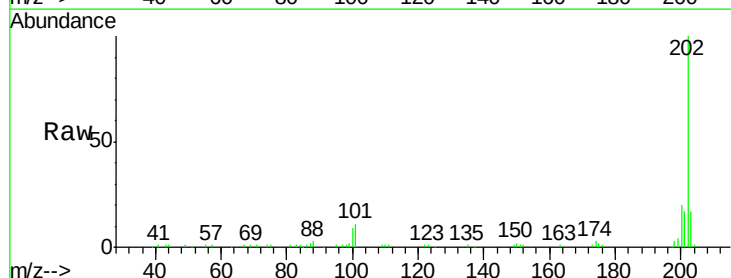
Tgt Ion:202 Resp: 65759

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

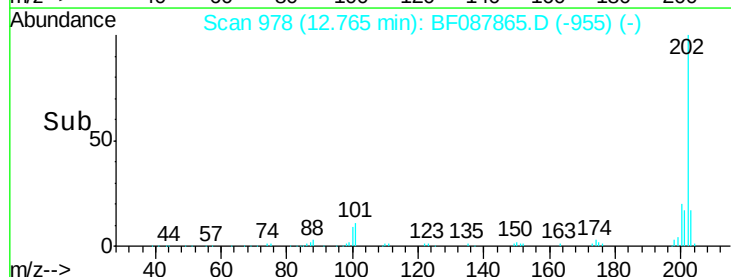
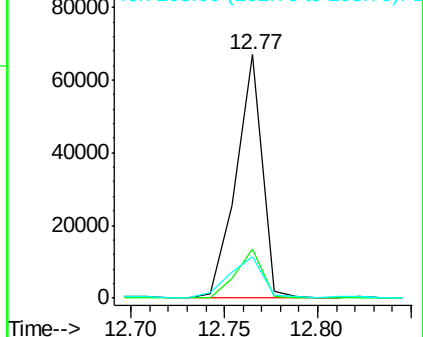
203 17.1 14.5 21.7

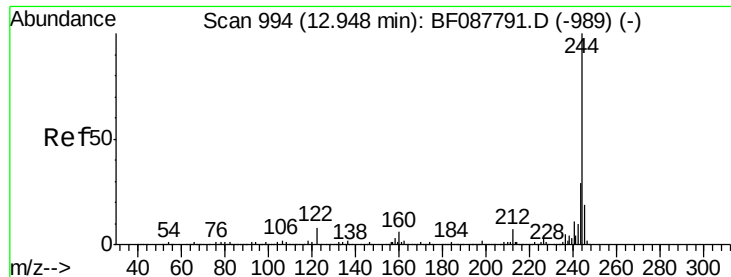


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 31.19 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.03 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

SS-20RE

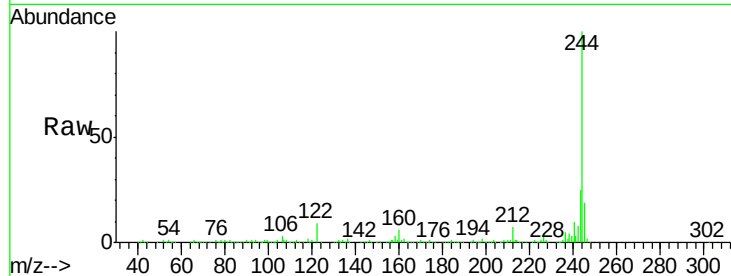
Tot Ion:244 Resp: 342513

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

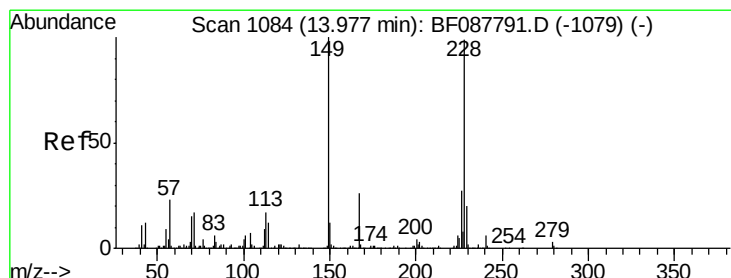
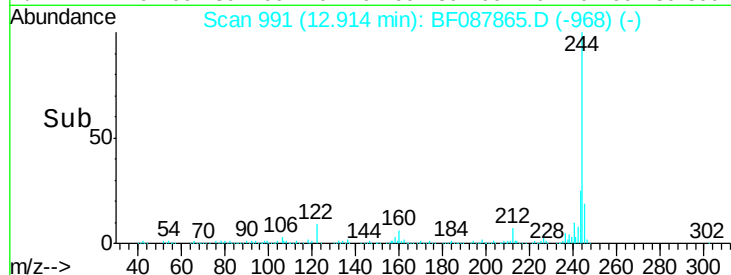
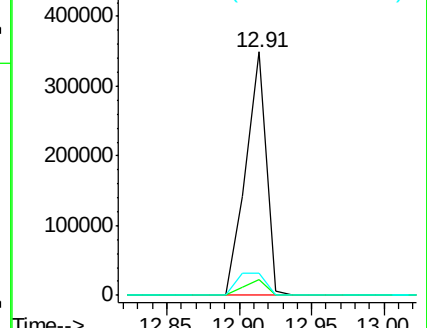
122 8.9 11.2 16.8#



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: 2.81 ng

RT: 13.94 min Scan# 1081

Delta R.T. -0.03 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

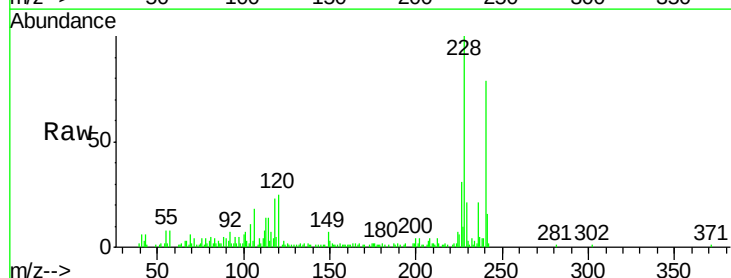
Tgt Ion:228 Resp: 40024

Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

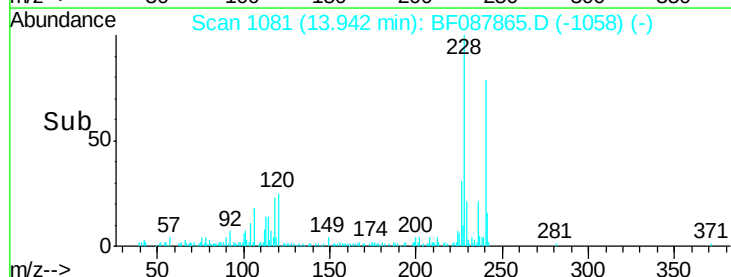
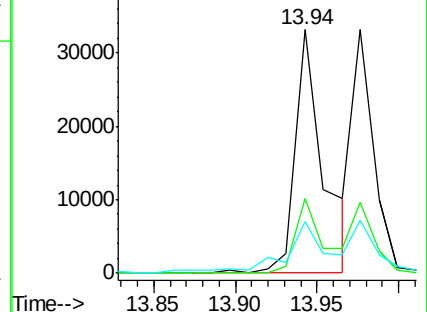
229 21.3 16.0 24.0

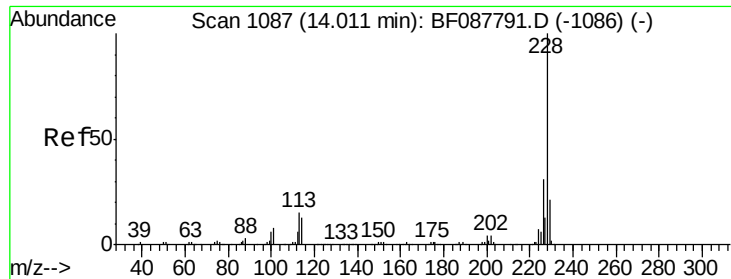


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

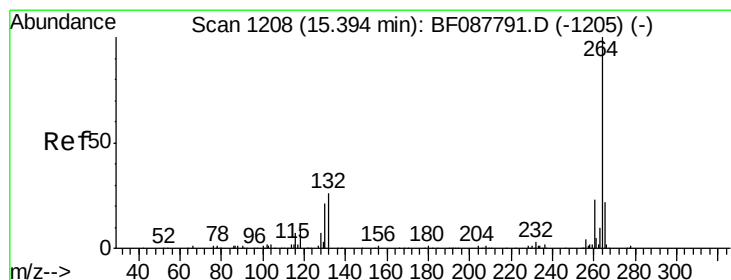
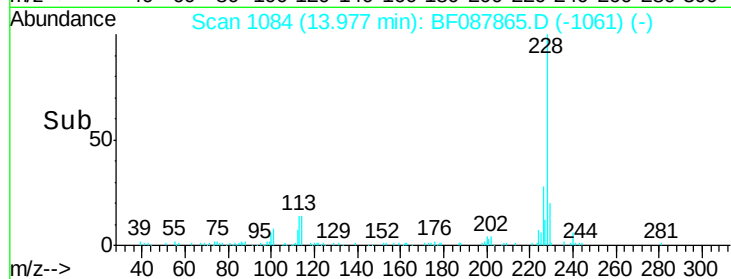
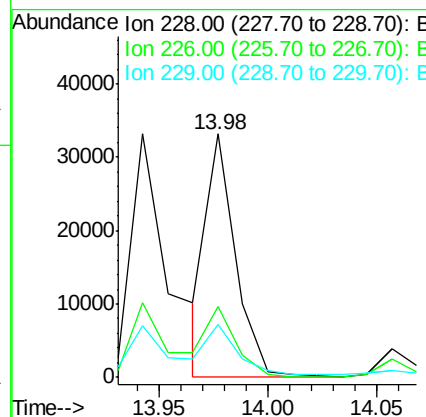
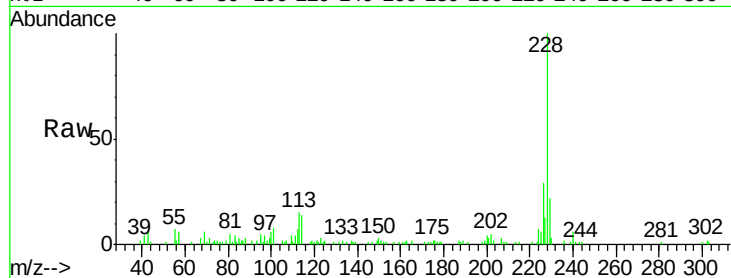




#82
Chrysene
Concen: 2.28 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.03 min
Lab File: BF087865.D
Acq: 9 Jun 2016 21:19

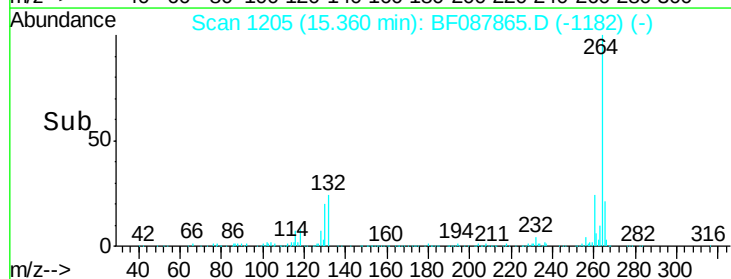
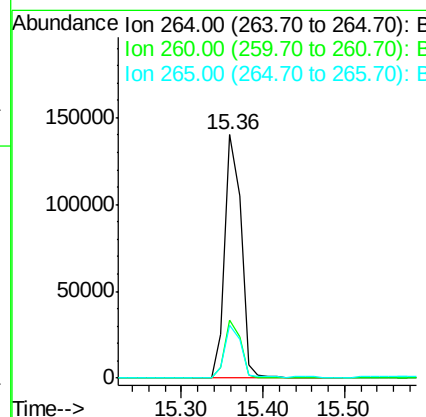
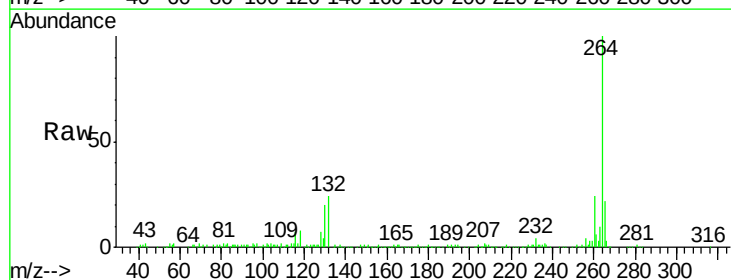
Instrument :
BNA_F
ClientSampleId :
SS-20RE

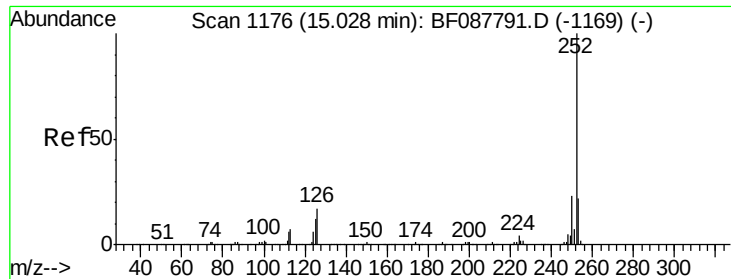
Tot Ion:228 Resp: 30536
Ion Ratio Lower Upper
228 100
226 29.0 25.4 38.2
229 22.0 16.3 24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087865.D
Acq: 9 Jun 2016 21:19

Tgt Ion:264 Resp: 195151
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.6 16.9 25.3





#87

Benzo(b)fluoranthene

Concen: 2.71 ng

RT: 14.96 min Scan# 1170

Delta R.T. -0.03 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

Instrument :

BNA_F

ClientSampleId :

SS-20RE

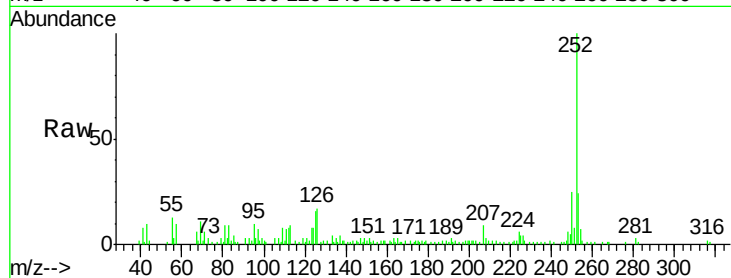
Tot Ion:252 Resp: 36899

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

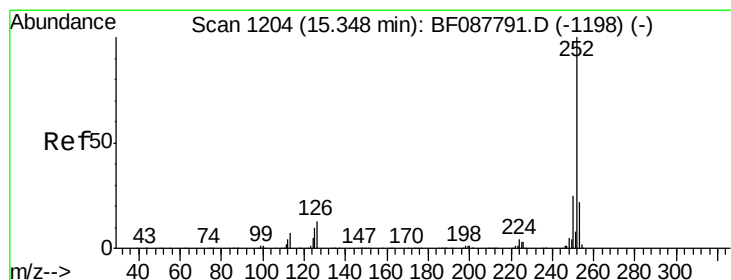
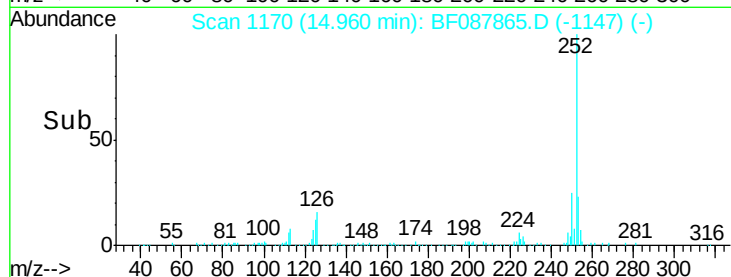
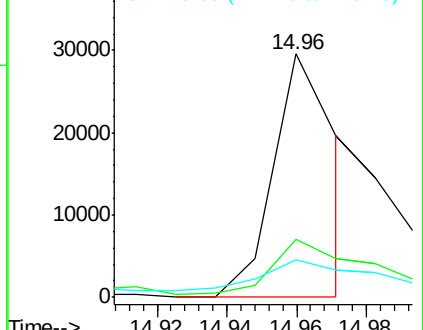
125 15.7 7.1 10.7#



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



#89

Benzo(a)pyrene

Concen: 2.39 ng

RT: 15.30 min Scan# 1200

Delta R.T. -0.05 min

Lab File: BF087865.D

Acq: 9 Jun 2016 21:19

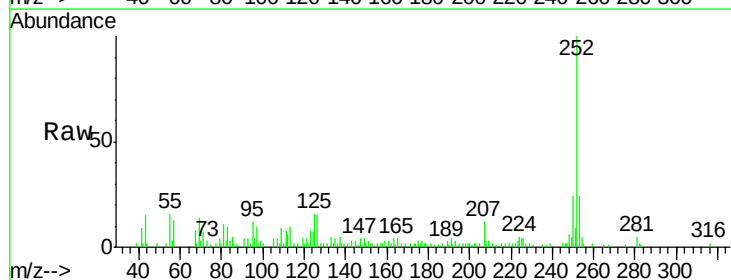
Tgt Ion:252 Resp: 26285

Ion Ratio Lower Upper

252 100

253 24.3 17.9 26.9

125 15.6 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

