

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
 Data File : BF087852.D
 Acq On : 9 Jun 2016 15:04
 Operator : UM/SJ
 Sample : H3399-10 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-30

Quant Time: Jun 09 16:08:59 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

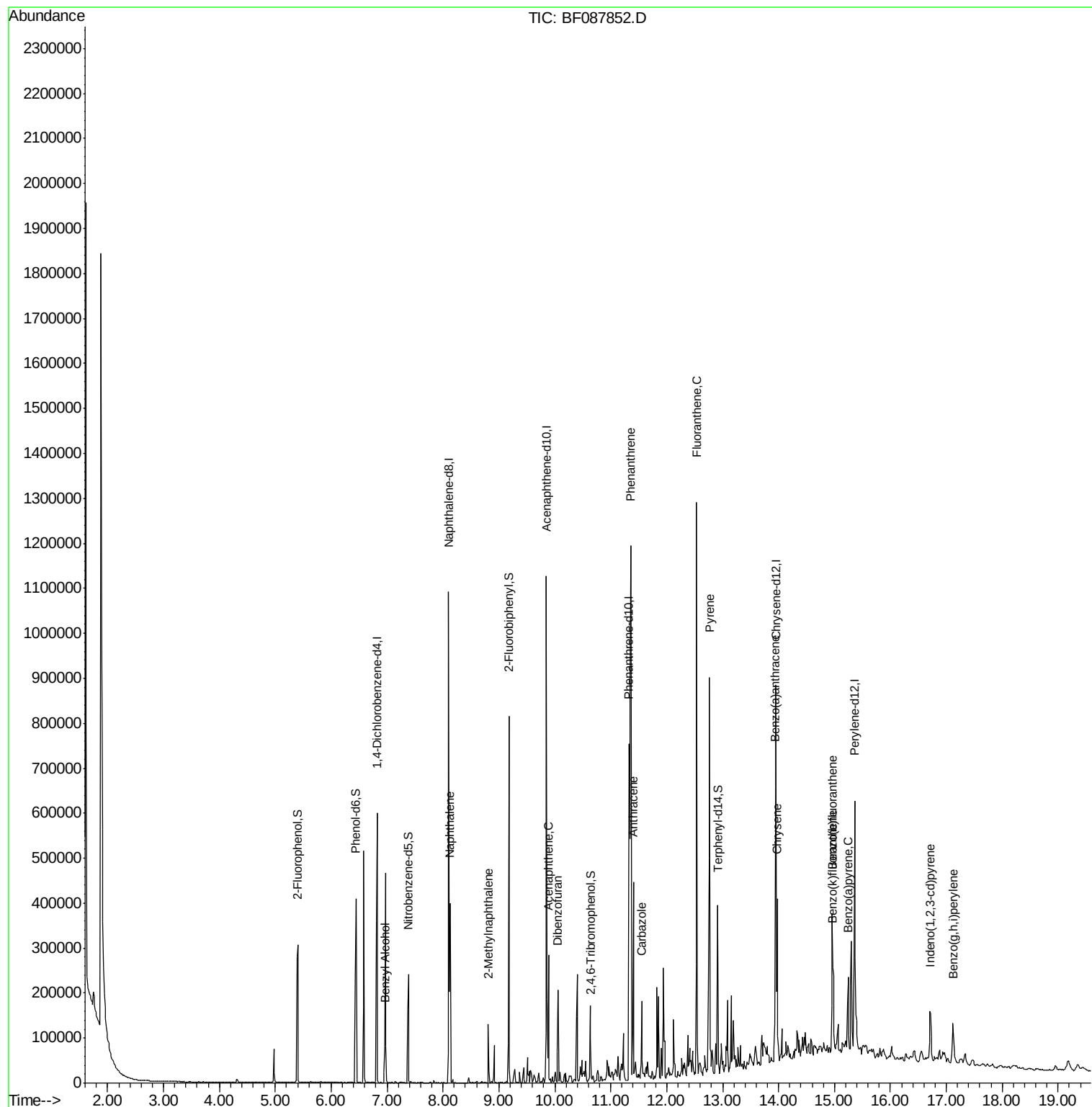
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	117478	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	460256	20.00	ng	-0.02
38) Acenaphthene-d10	9.85	164	205601	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	357569	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	231169	20.00	ng	-0.03
86) Perylene-d12	15.36	264	243191	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	128497	18.70	ng	-0.02
7) Phenol-d6	6.44	99	179032	21.50	ng	-0.03
23) Nitrobenzene-d5	7.38	82	98787	12.53	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	14496	6.68	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	227076	12.64	ng	-0.03
78) Terphenyl-d14	12.91	244	152434	15.01	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	6.96	79	14424	2.21	ng	95
31) Naphthalene	8.12	128	160506	7.05	ng	98
37) 2-Methylnaphthalene	8.81	142	35423	2.36	ng	96
51) Acenaphthene	9.88	154	59134	4.48	ng	97
54) Dibenzofuran	10.06	168	80685	4.44	ng	99
70) Phenanthrene	11.36	178	613981	32.72	ng	98
71) Anthracene	11.40	178	171353	9.05	ng	97
72) Carbazole	11.55	167	66301	3.74	ng	98
74) Fluoranthene	12.54	202	464495	23.46	ng	98
77) Pyrene	12.76	202	404136	23.56	ng	99
80) Benzo(a)anthracene	13.94	228	182820	13.88	ng	99
82) Chrysene	13.98	228	107101	8.64	ng	96
85) Indeno(1,2,3-cd)pyrene	16.71	276	82435	7.16	ng	# 100
87) Benzo(b)fluoranthene	14.96	252	151195m	8.92	ng	
88) Benzo(k)fluoranthene	14.97	252	61029m	4.77	ng	
89) Benzo(a)pyrene	15.25	252	79174	5.77	ng	95
91) Benzo(a,h,i)perylene	17.12	276	72412	5.53	ng	96

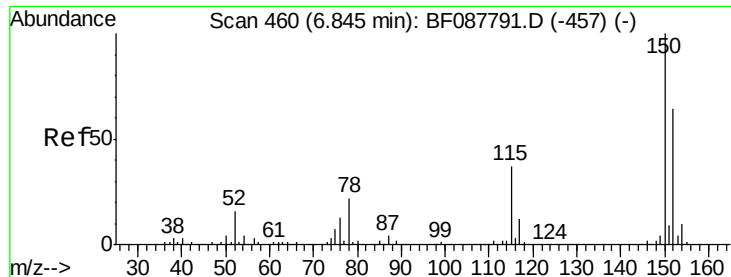
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060916\
Data File : BF087852.D
Acq On : 9 Jun 2016 15:04
Operator : UM/SJ
Sample : H3399-10 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-30

Quant Time: Jun 09 16:08:59 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



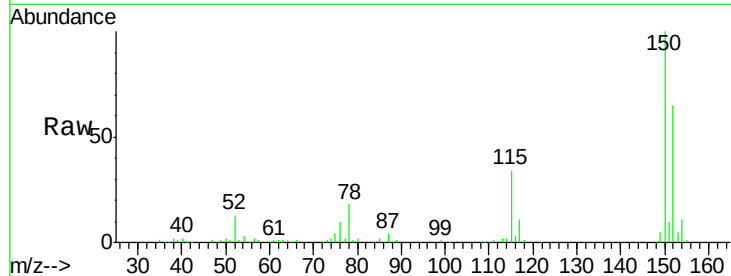


#1

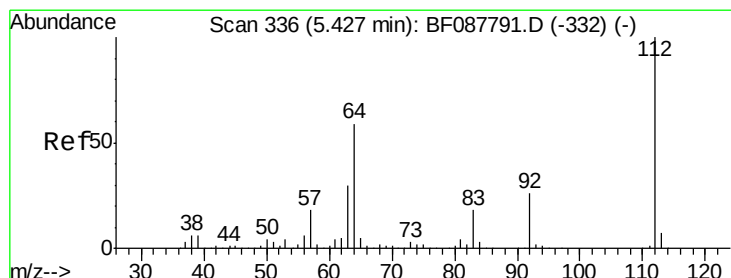
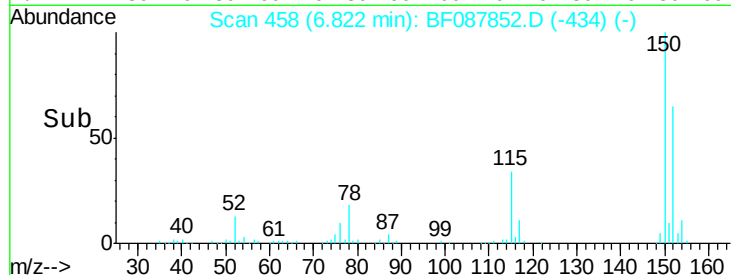
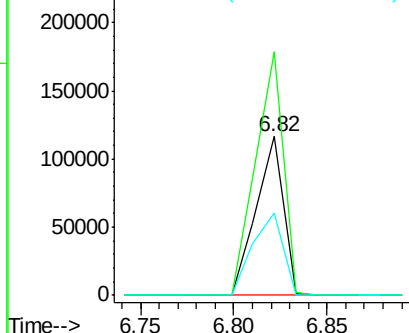
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

Instrument :
BNA_F
ClientSampled :
SS-30

Tot Ion:152 Resp: 117478
Ion Ratio Lower Upper
152 100
150 153.4 123.8 185.6
115 51.9 39.6 59.4



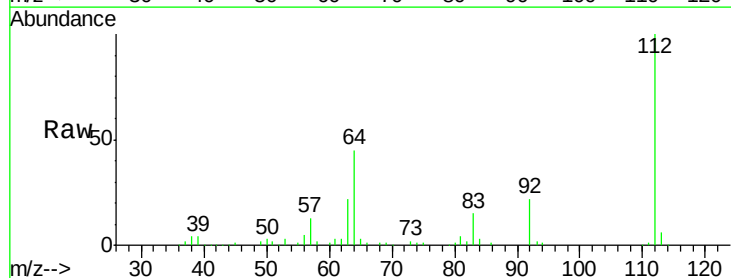
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



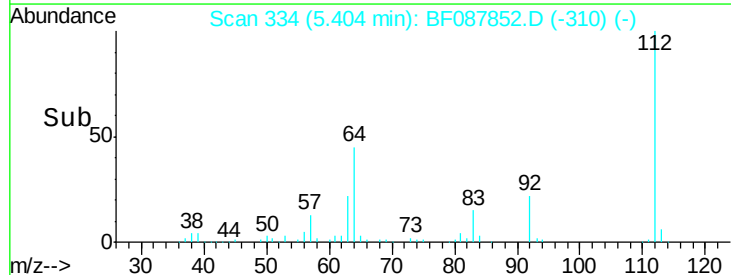
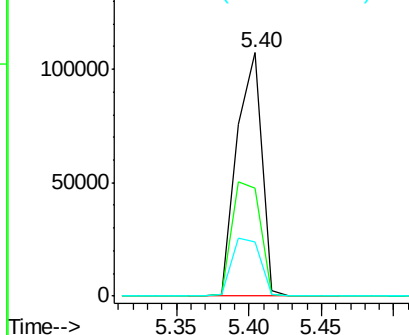
#5

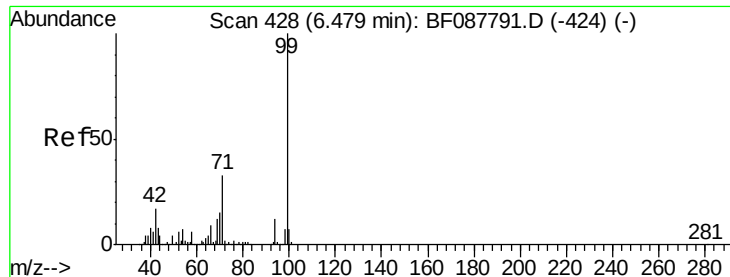
2-Fluorophenol
Concen: 18.70 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

Tgt Ion:112 Resp: 128497
Ion Ratio Lower Upper
112 100
64 44.6 42.2 63.2
63 22.5 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: 21.50 ng

RT: 6.44 min Scan# 425

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SS-30

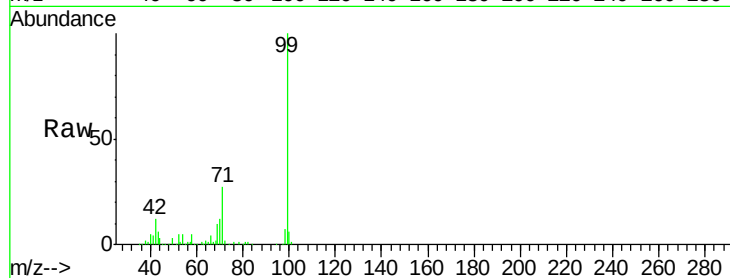
Tot Ion: 99 Resp: 179032

Ion Ratio Lower Upper

99 100

42 12.1 12.2 18.2#

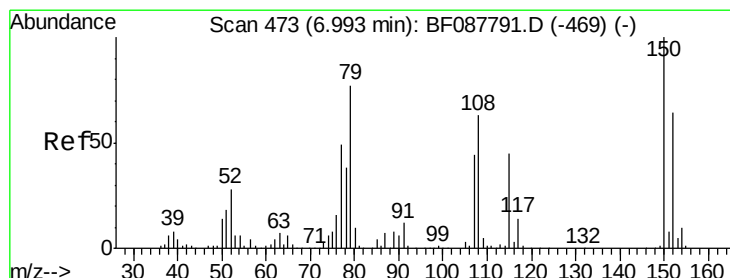
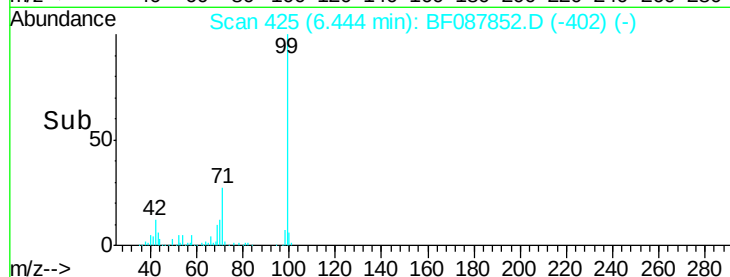
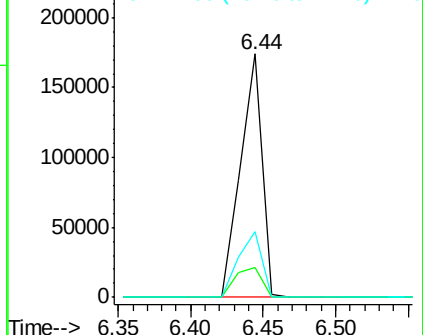
71 27.0 23.4 35.0



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



#15

Benzyl Alcohol

Concen: 2.21 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

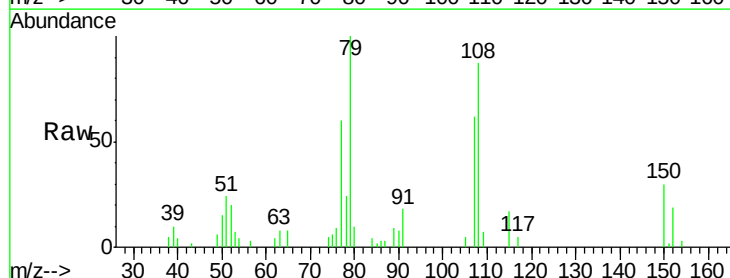
Tgt Ion: 79 Resp: 14424

Ion Ratio Lower Upper

79 100

108 87.2 65.0 97.6

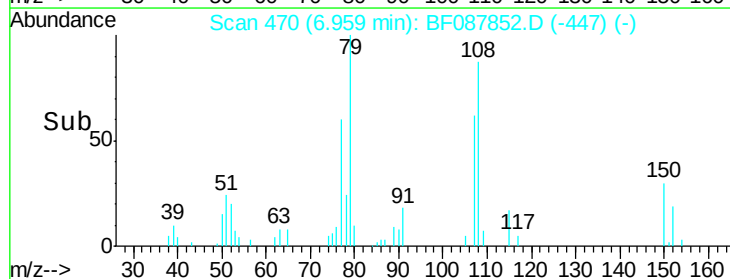
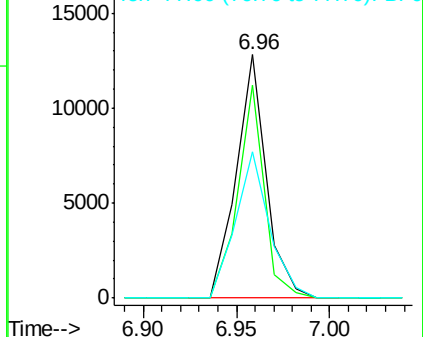
77 60.1 50.3 75.5

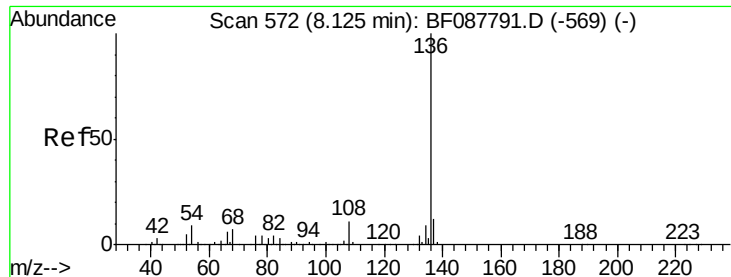


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SS-30

Tot Ion:136 Resp: 460256

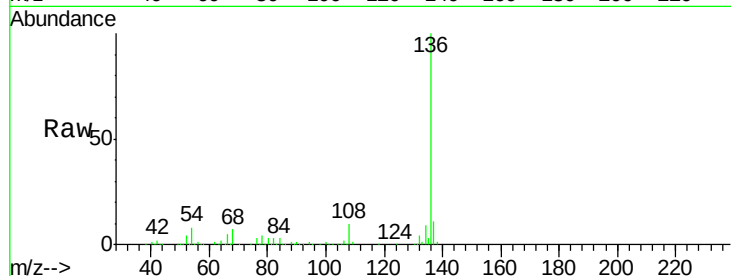
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 8.2 6.6 10.0

68 6.6 5.1 7.7

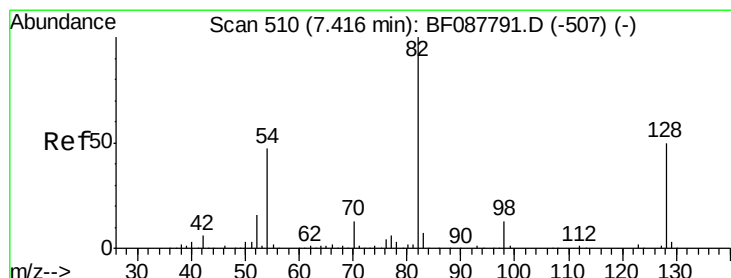
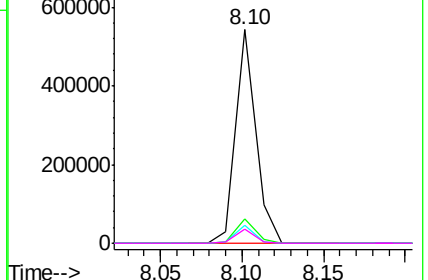
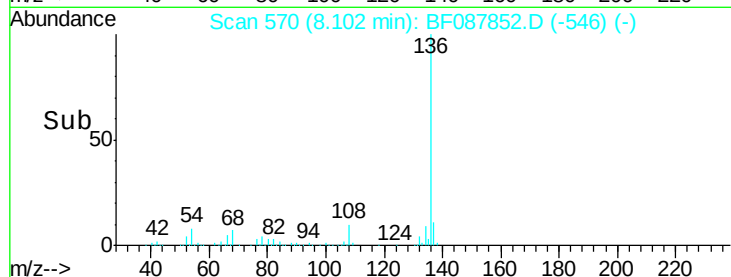


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.53 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

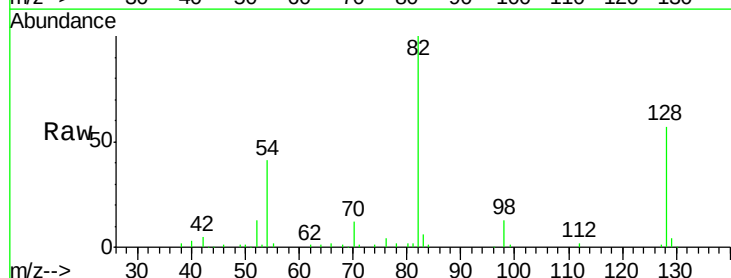
Tgt Ion: 82 Resp: 98787

Ion Ratio Lower Upper

82 100

128 56.5 35.9 53.9#

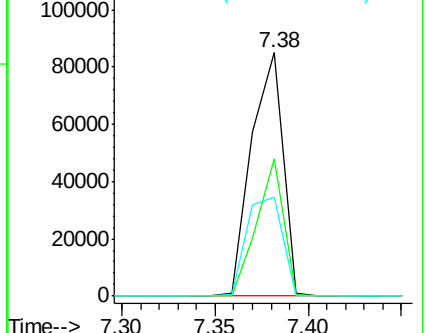
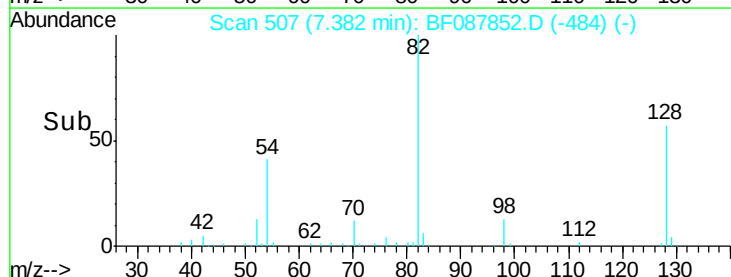
54 40.6 40.9 61.3#

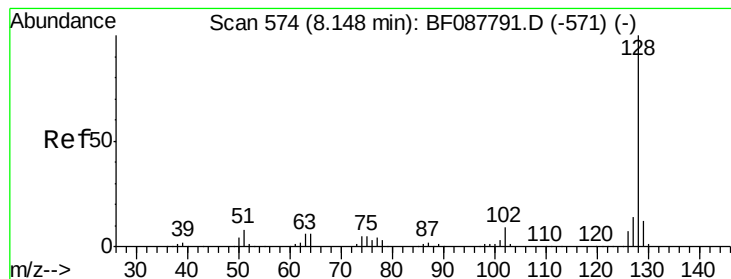


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 7.05 ng

RT: 8.12 min Scan# 572

Delta R.T. -0.02 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SS-30

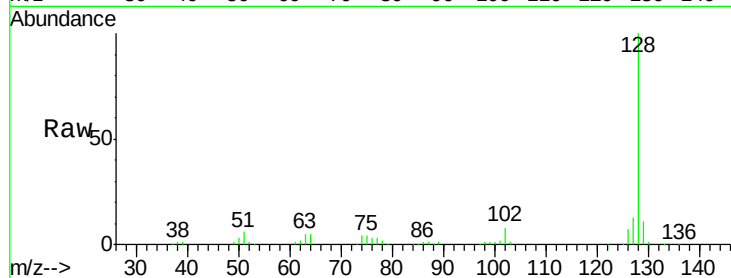
Tot Ion:128 Resp: 160506

Ion Ratio Lower Upper

128 100

129 10.8 9.4 14.2

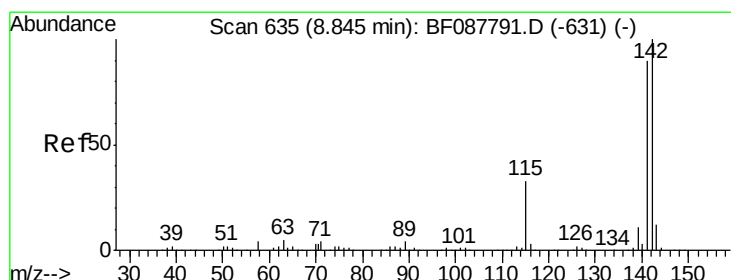
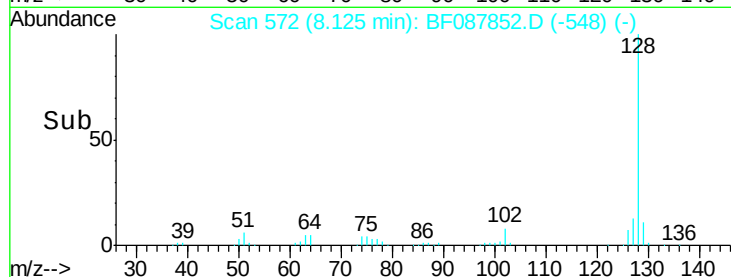
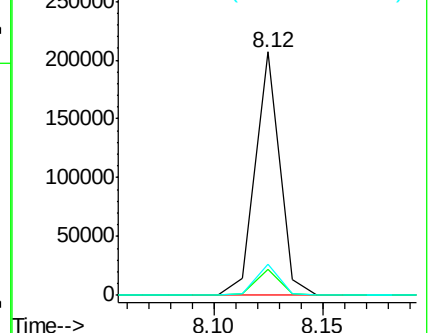
127 12.8 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.36 ng

RT: 8.81 min Scan# 632

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

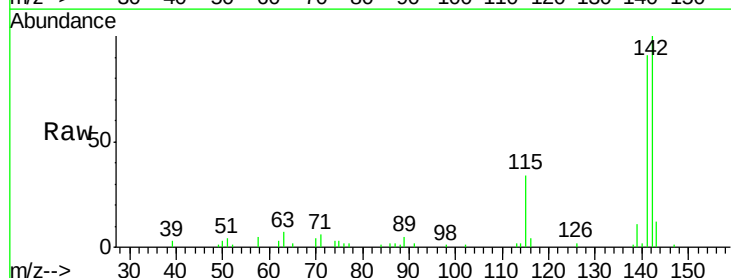
Tgt Ion:142 Resp: 35423

Ion Ratio Lower Upper

142 100

141 90.7 71.0 106.6

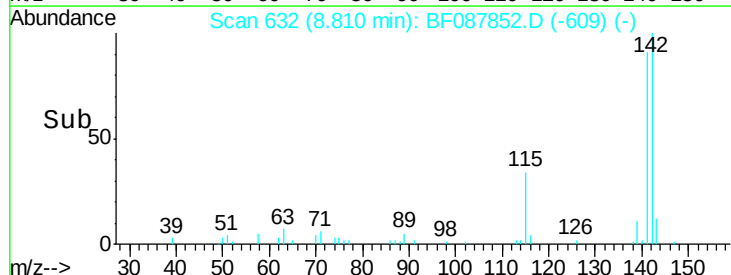
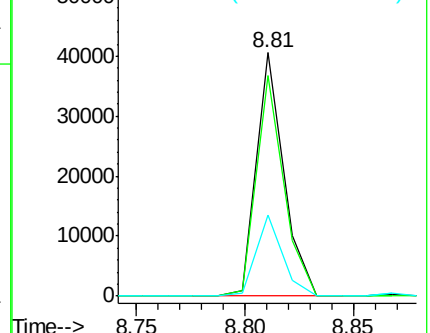
115 33.5 22.6 33.8

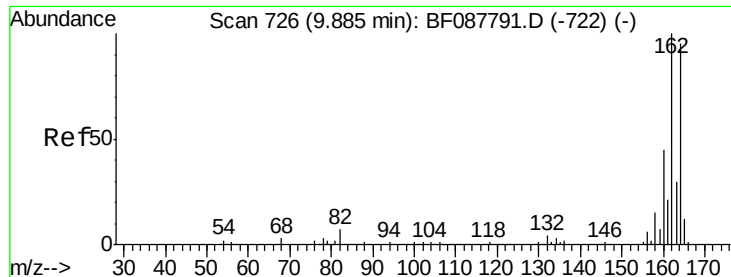


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SS-30

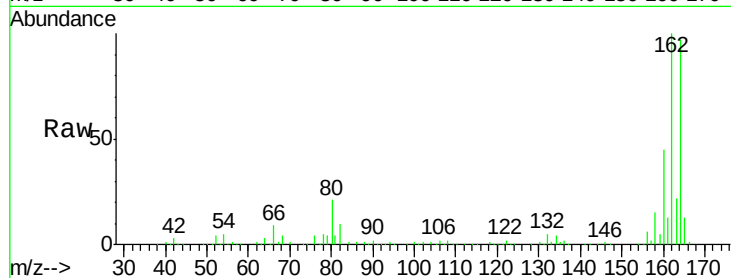
Tot Ion:164 Resp: 205601

Ion Ratio Lower Upper

164 100

162 102.9 85.4 128.2

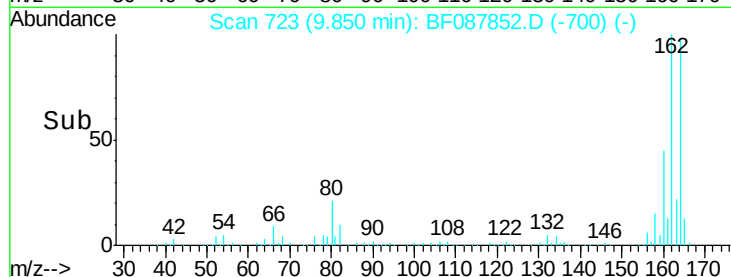
160 46.2 39.5 59.3



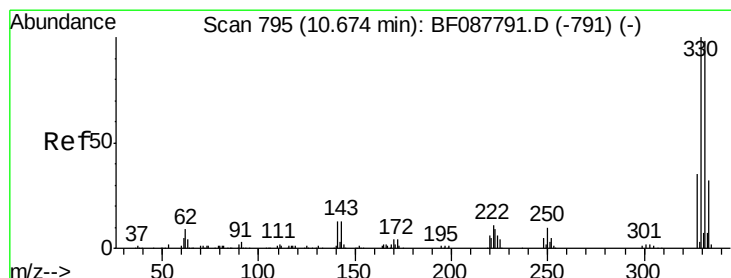
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#41

2,4,6-Tribromophenol

Concen: 6.68 ng

RT: 10.64 min Scan# 792

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

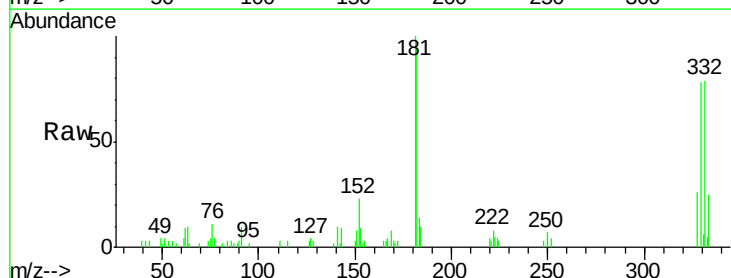
Tgt Ion:330 Resp: 14496

Ion Ratio Lower Upper

330 100

332 96.6 0.0 0.0#

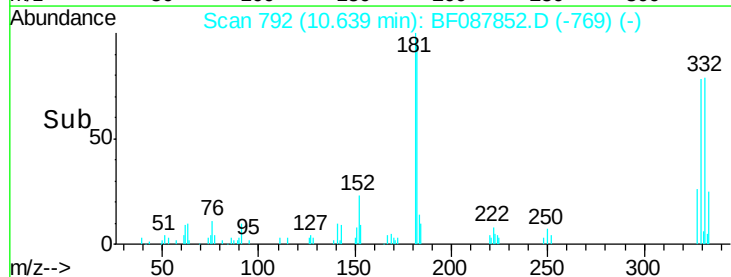
141 39.9 0.0 0.0#



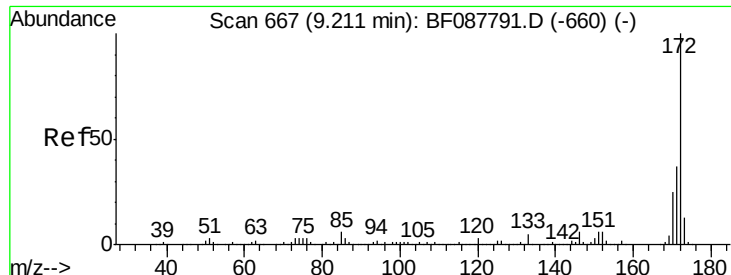
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



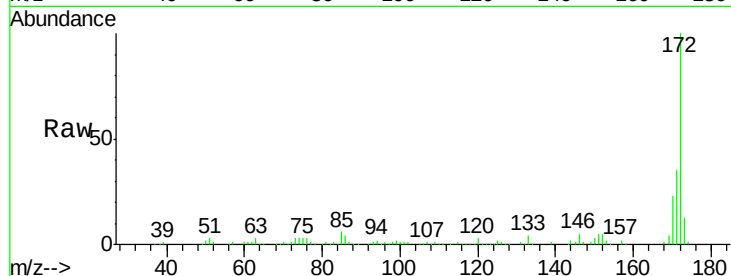
Time-->



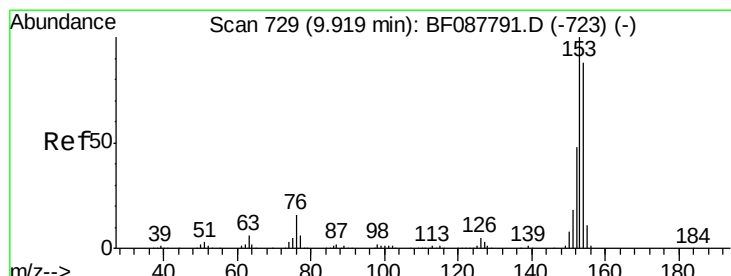
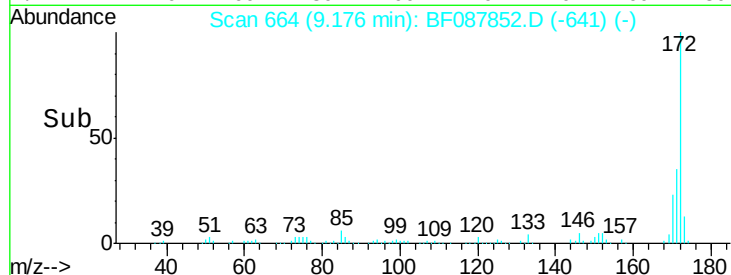
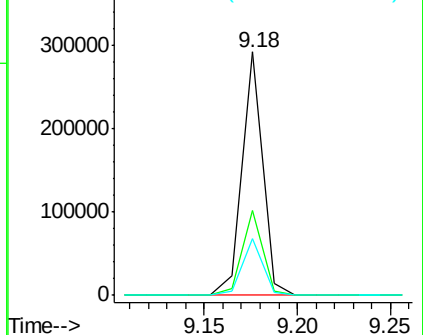
#44
2-Fluorobiphenyl
Concen: 12.64 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

Instrument :
BNA_F
ClientSampleId :
SS-30

Tot Ion:172 Resp: 227076
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.5 19.2 28.8

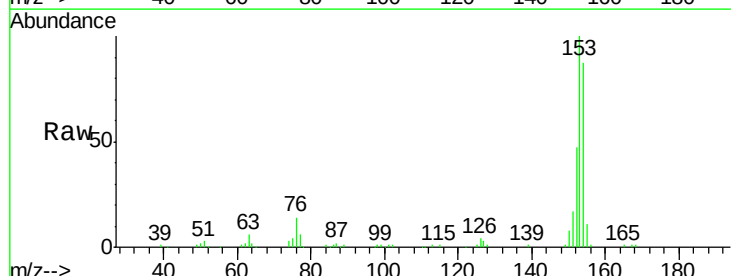


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

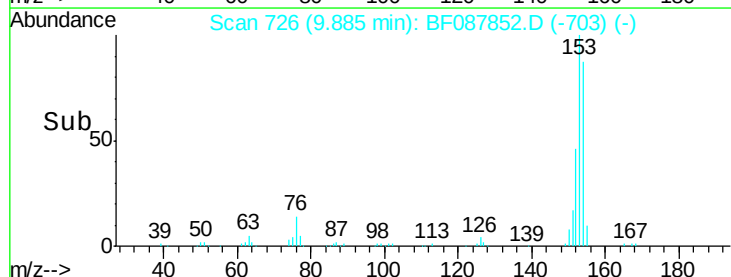
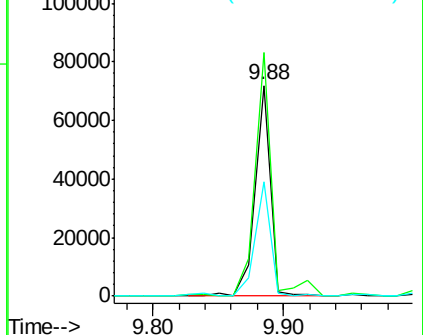


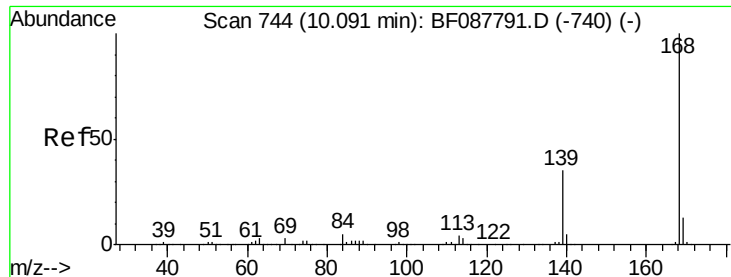
#51
Acenaphthene
Concen: 4.48 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

Tgt Ion:154 Resp: 59134
Ion Ratio Lower Upper
154 100
153 115.5 89.5 134.3
152 54.0 42.7 64.1



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

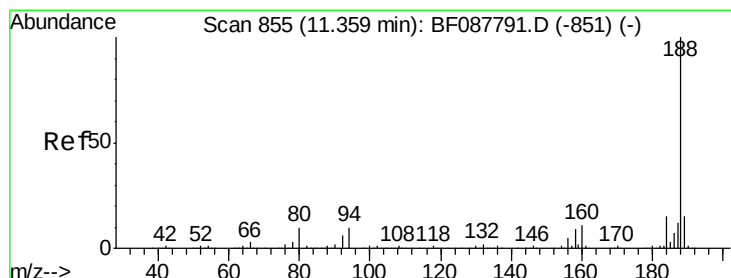
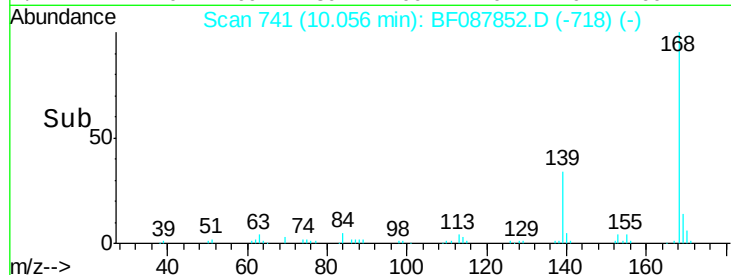
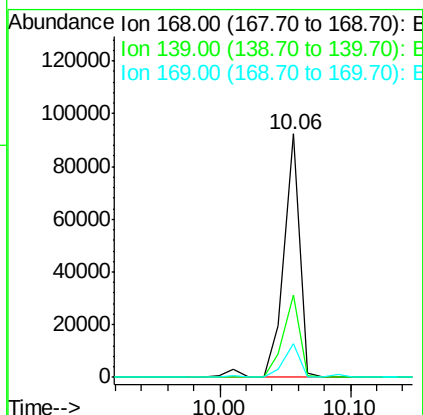
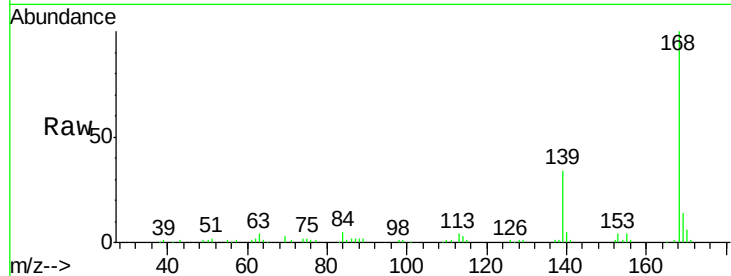




#54
Dibenzenofuran
Concen: 4.44 ng
RT: 10.06 min Scan# 741
Delta R.T. -0.03 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

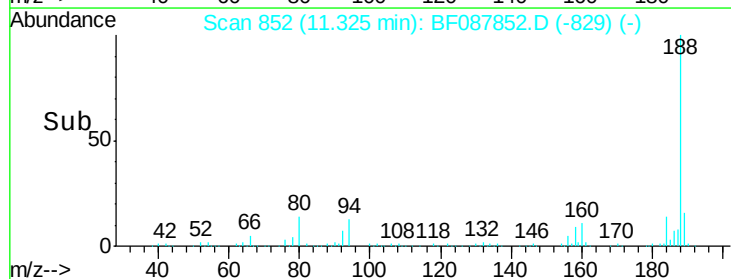
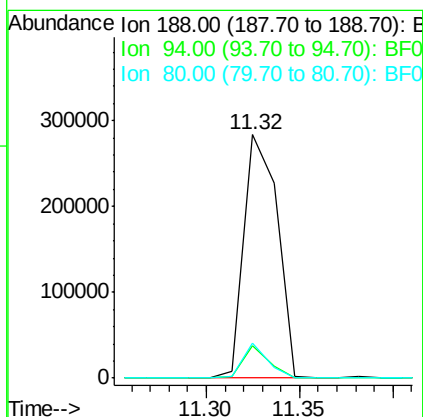
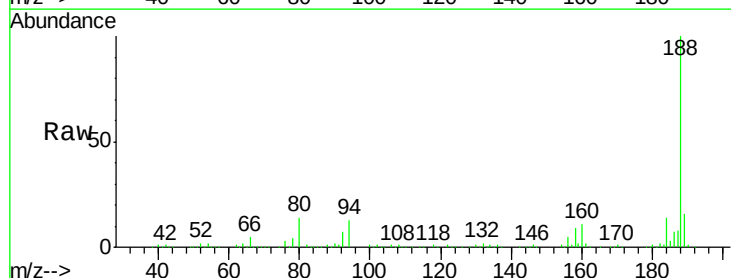
Instrument :
BNA_F
ClientSampleId :
SS-30

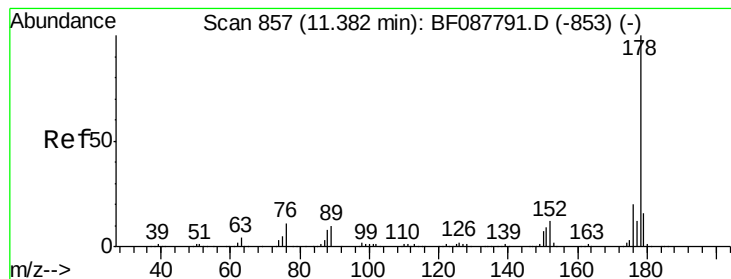
Tot Ion:168 Resp: 80685
Ion Ratio Lower Upper
168 100
139 33.7 26.4 39.6
169 13.7 10.4 15.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

Tgt Ion:188 Resp: 357569
Ion Ratio Lower Upper
188 100
94 13.2 9.0 13.6
80 14.3 10.0 15.0





#70

Phenanthrene

Concen: 32.72 ng

RT: 11.36 min Scan# 855

Delta R.T. -0.02 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

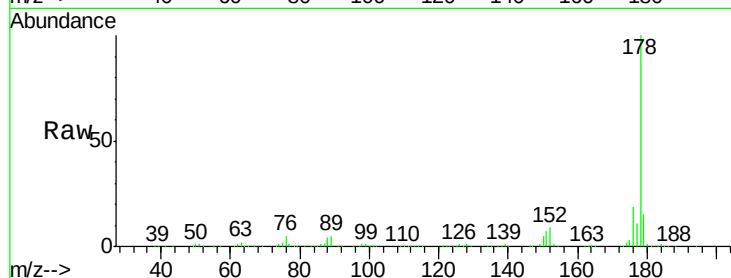
BNA_F

ClientSampleId :

SS-30

Tot Ion:178 Resp: 613981

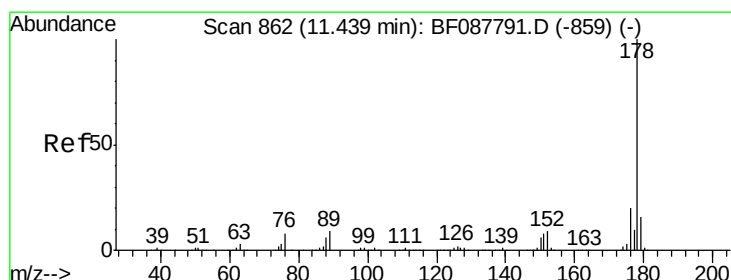
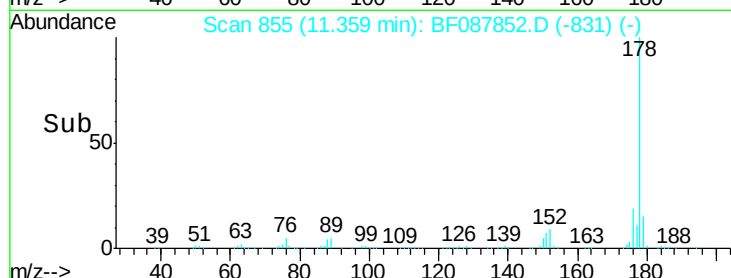
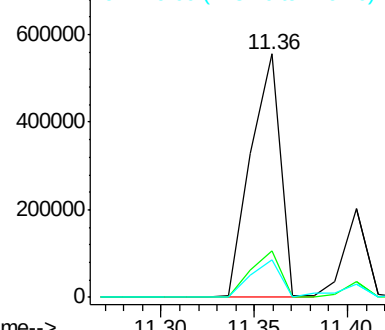
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.4	13.0	19.4



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: 9.05 ng

RT: 11.40 min Scan# 859

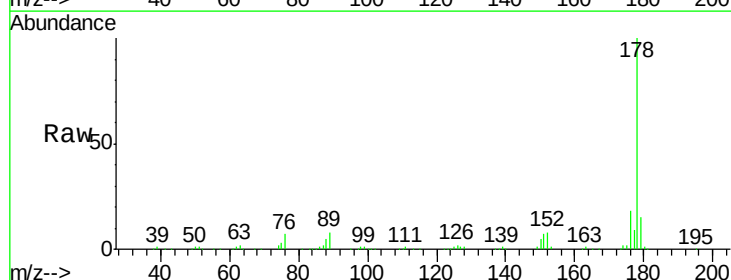
Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Tgt Ion:178 Resp: 171353

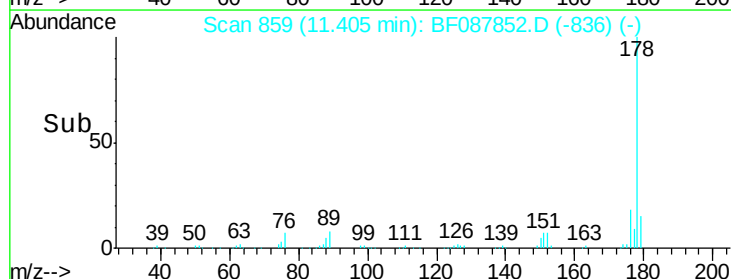
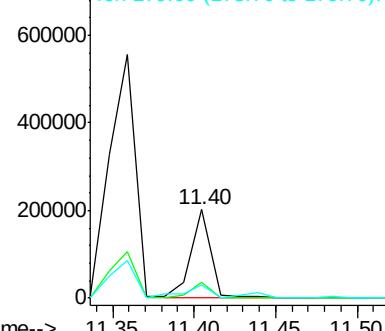
Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.6	23.4
179	15.5	12.8	19.2

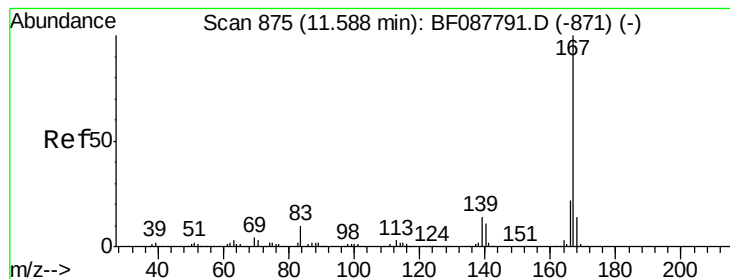


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.74 ng

RT: 11.55 min Scan# 872

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SS-30

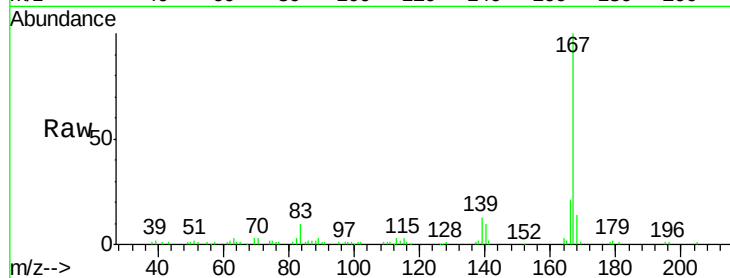
Tot Ion:167 Resp: 66301

Ion Ratio Lower Upper

167 100

166 21.0 17.8 26.6

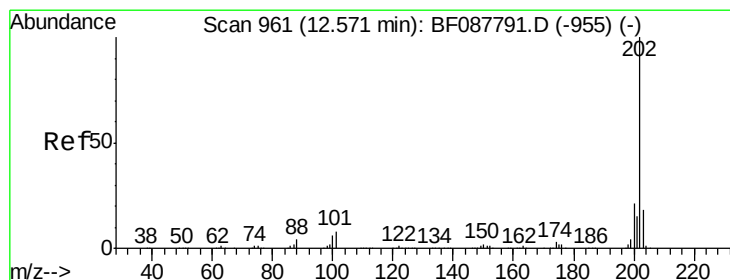
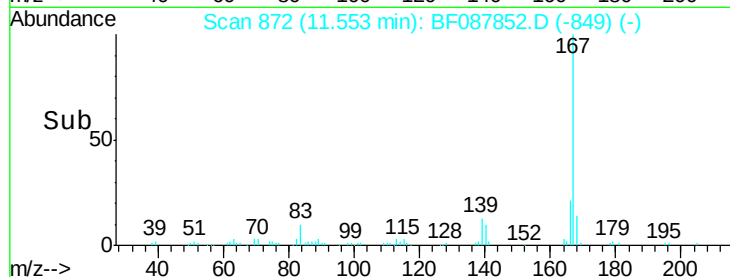
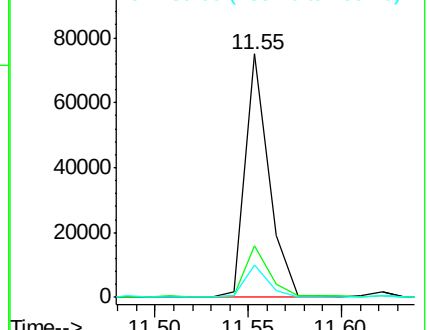
139 13.1 11.2 16.8



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: 23.46 ng

RT: 12.54 min Scan# 958

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

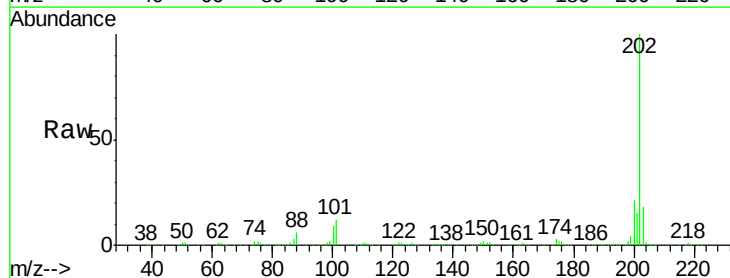
Tgt Ion:202 Resp: 464495

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.1

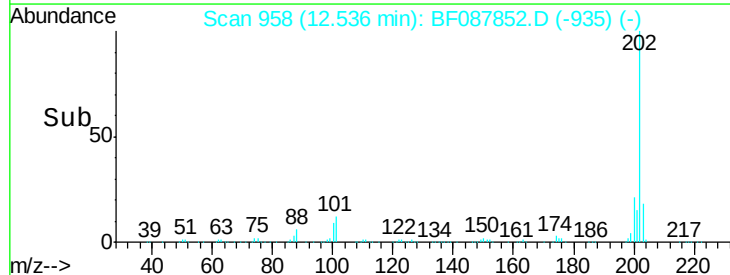
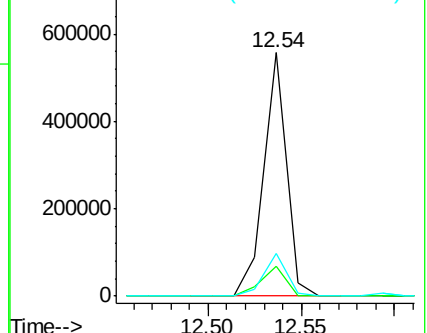
203 17.7 0.0 38.1

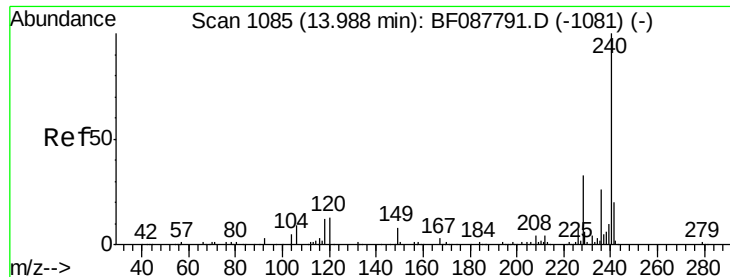


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.95 min Scan# 1082

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SS-30

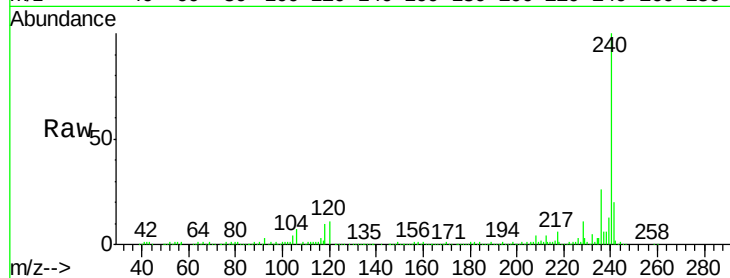
Tot Ion:240 Resp: 231169

Ion Ratio Lower Upper

240 100

120 11.3 6.8 10.2#

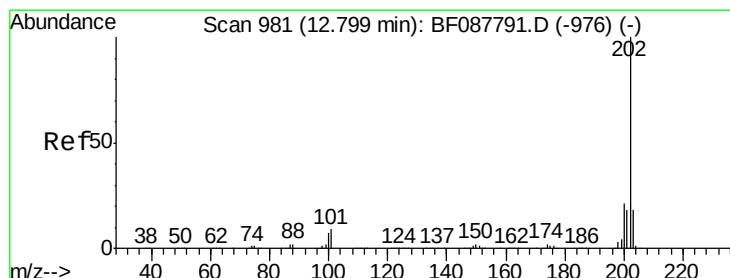
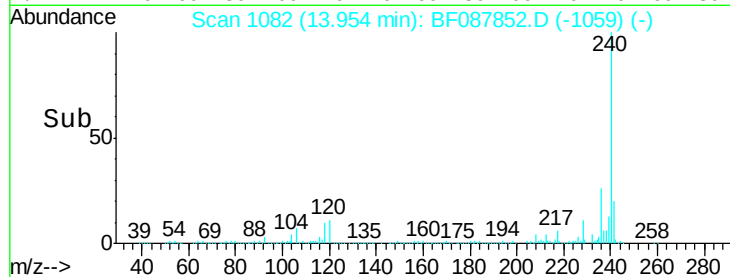
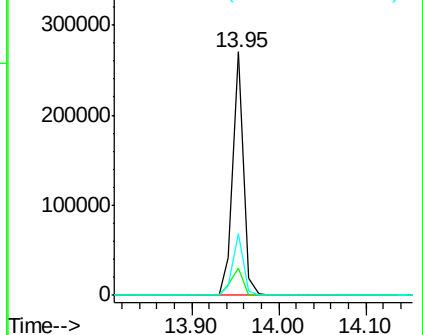
236 25.5 20.2 30.2



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: 23.56 ng

RT: 12.76 min Scan# 978

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

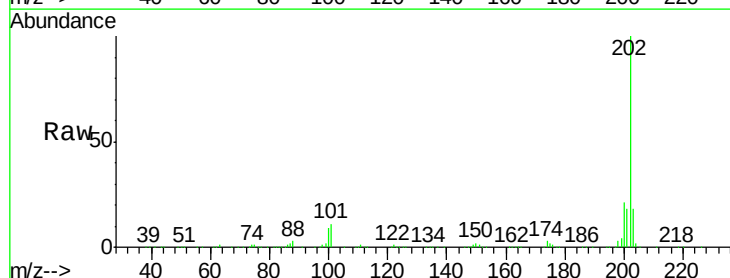
Tgt Ion:202 Resp: 404136

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

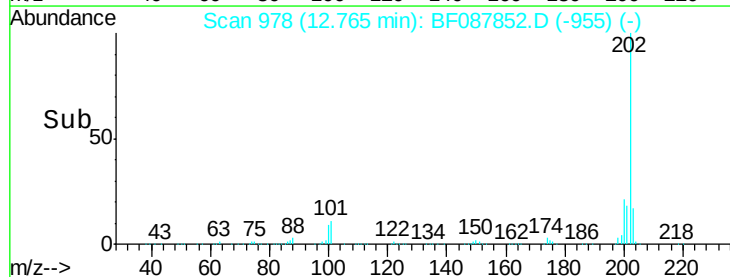
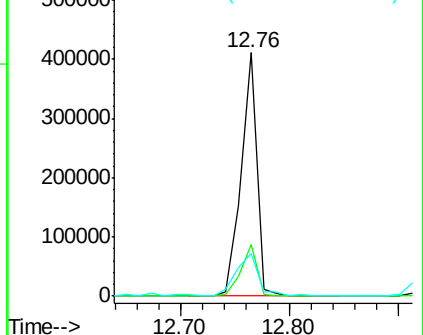
203 17.7 14.5 21.7

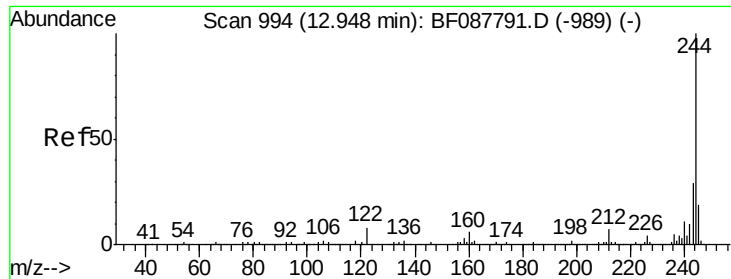


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

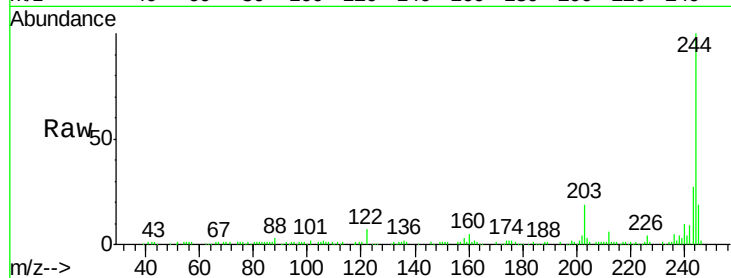




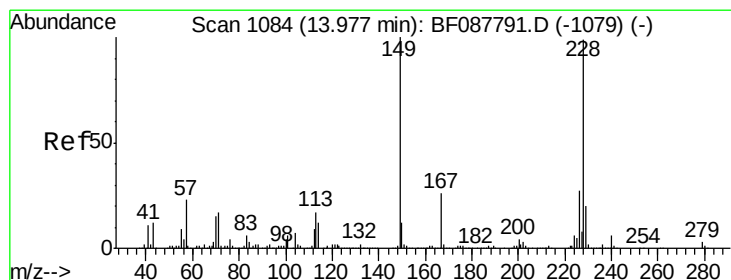
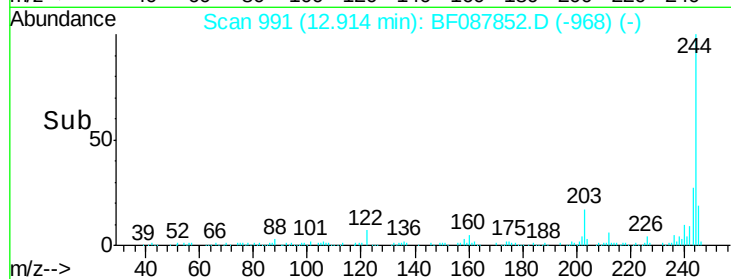
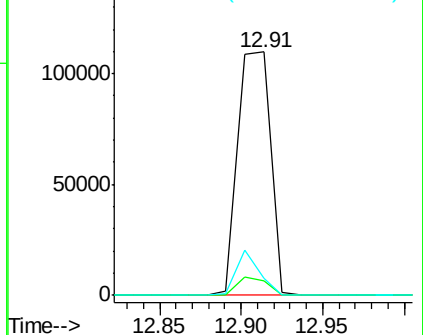
#78
 Terphenyl-d14
 Concen: 15.01 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.03 min
 Lab File: BF087852.D
 Acq: 9 Jun 2016 15:04

Instrument :
 BNA_F
 ClientSampled :
 SS-30

Tot Ion:244 Resp: 152434
 Ion Ratio Lower Upper
 244 100
 212 5.8 6.0 9.0#
 122 6.9 11.2 16.8#

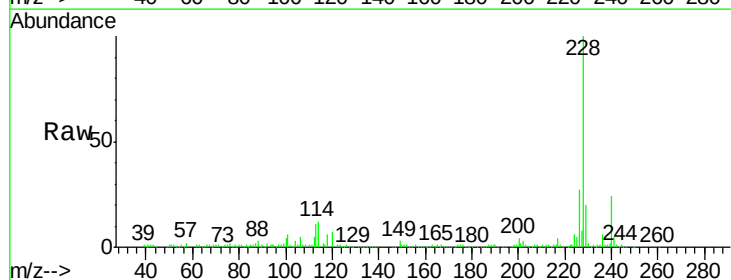


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

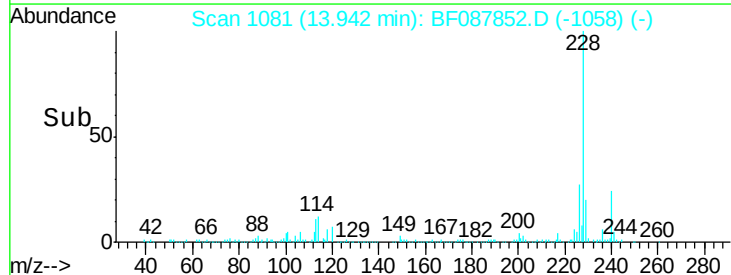
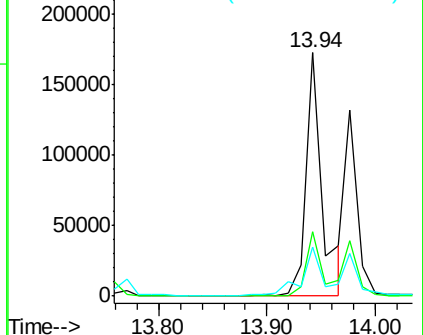


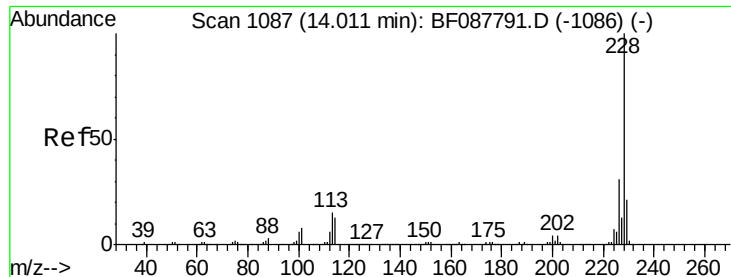
#80
 Benzo(a)anthracene
 Concen: 13.88 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.03 min
 Lab File: BF087852.D
 Acq: 9 Jun 2016 15:04

Tgt Ion:228 Resp: 182820
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.3 33.5
 229 20.1 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: 8.64 ng

RT: 13.98 min Scan# 1084

Delta R.T. -0.03 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SS-30

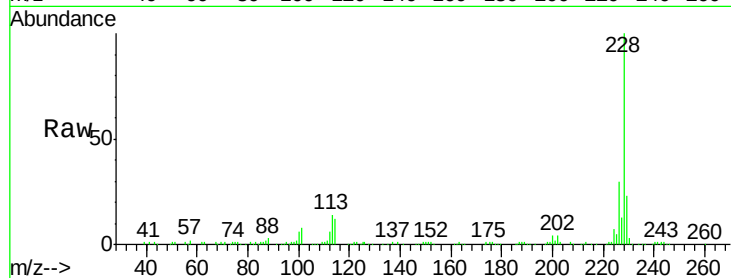
Tot Ion:228 Resp: 107101

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.2

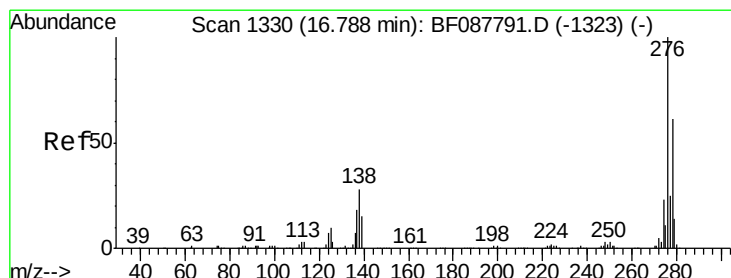
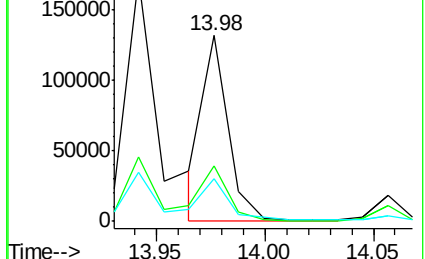
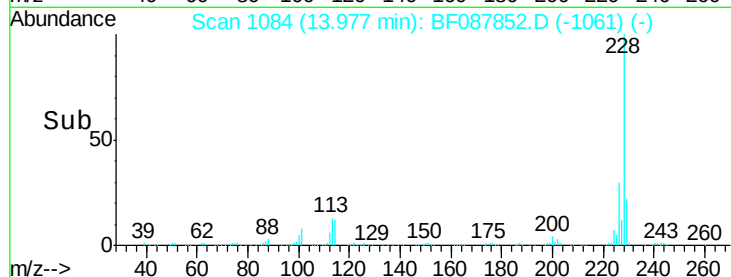
229 22.9 16.3 24.5



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: 7.16 ng

RT: 16.71 min Scan# 1323

Delta R.T. -0.08 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

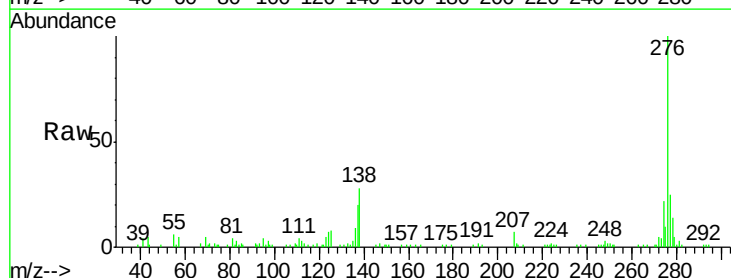
Tgt Ion:276 Resp: 82435

Ion Ratio Lower Upper

276 100

138 25.9 0.0 0.0#

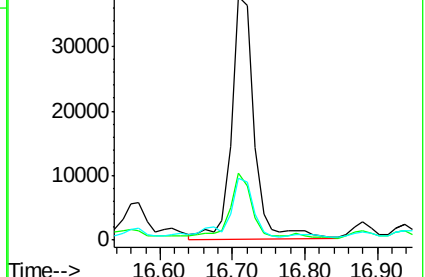
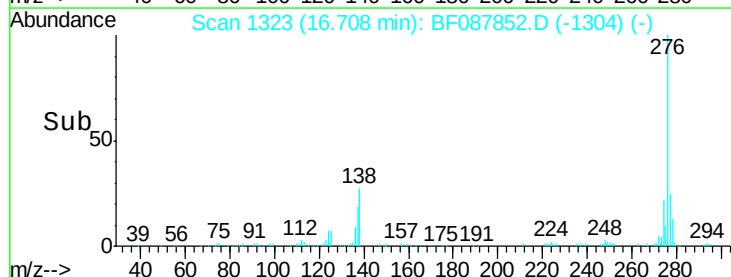
277 28.2 0.0 0.0#

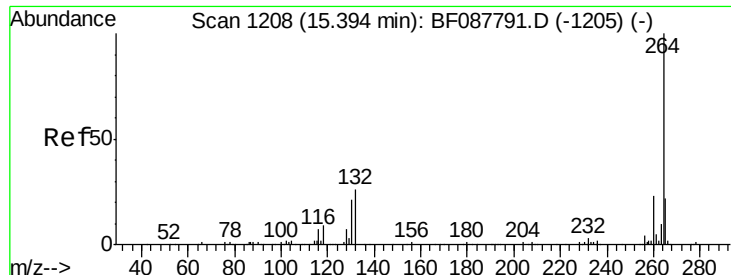


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

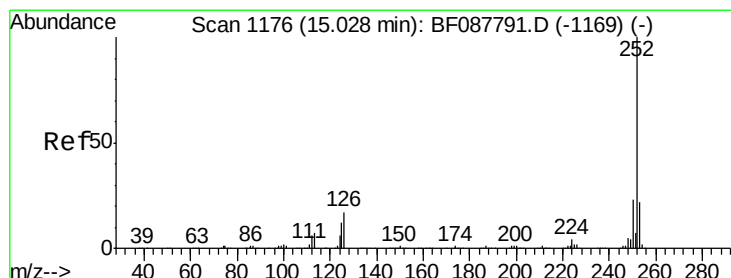
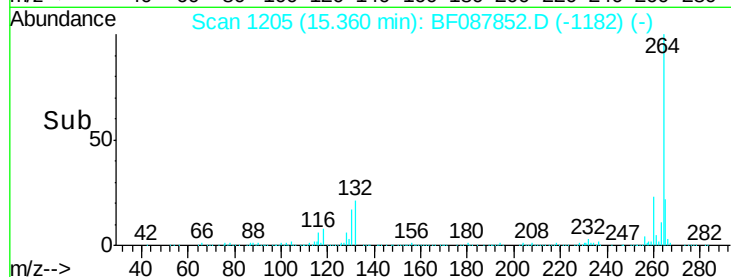
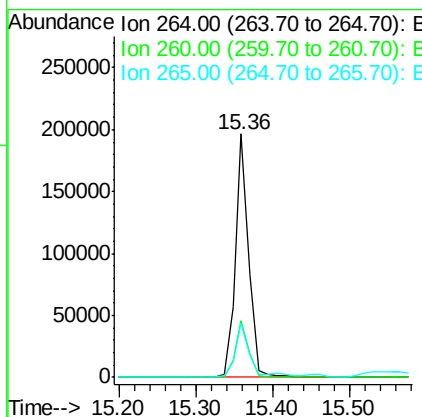
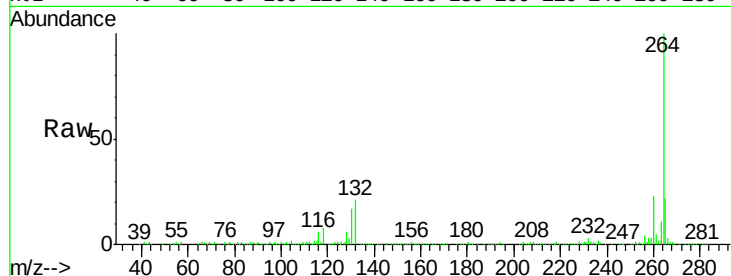




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

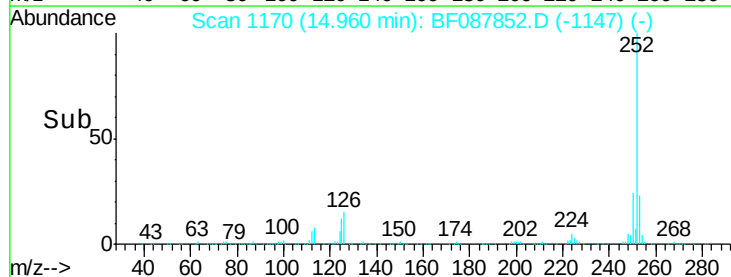
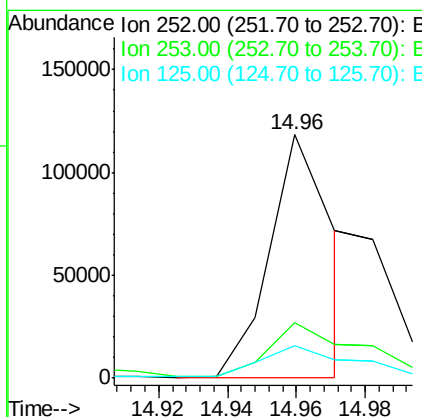
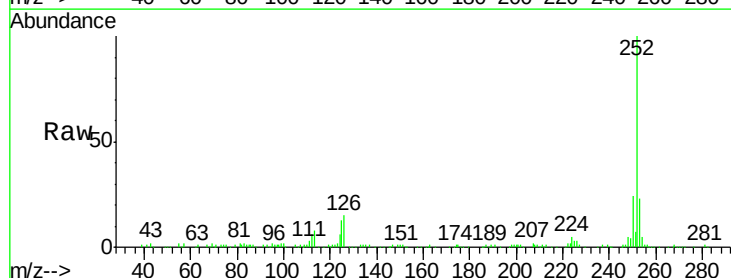
Instrument :
BNA_F
ClientSampled :
SS-30

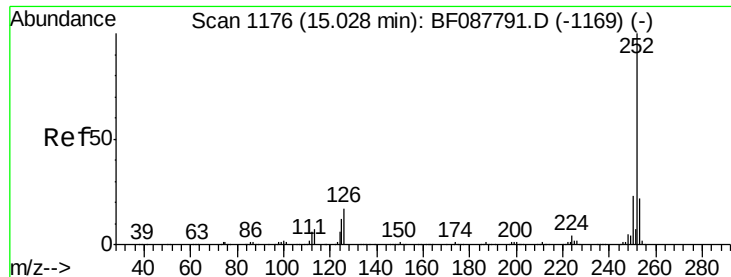
Tot Ion:264 Resp: 243191
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 22.3 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 8.92 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

Tgt Ion:252 Resp: 151195
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 13.1 7.1 10.7#

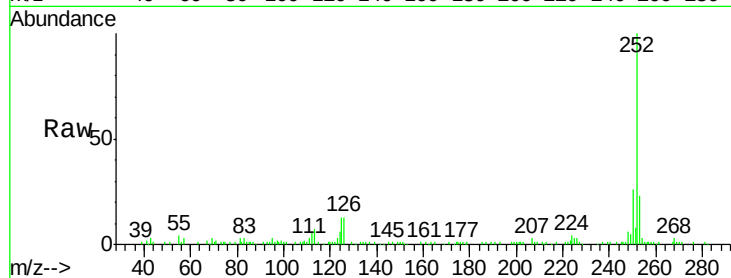




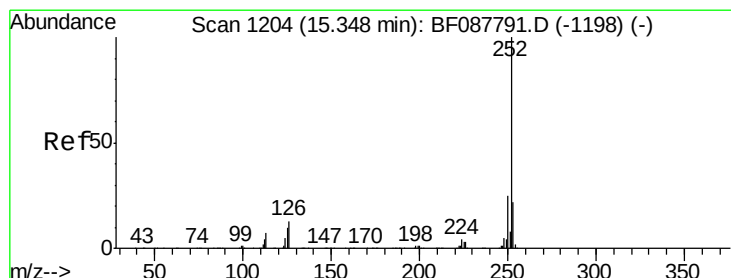
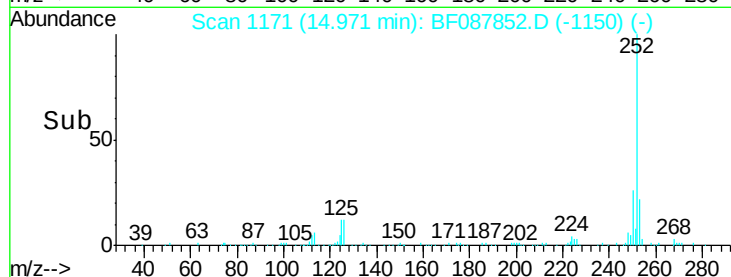
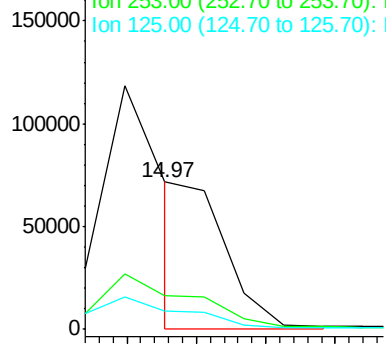
#88
Benzo(k)fluoranthene
Concen: 4.77 ng m
RT: 14.97 min Scan# 1171
Delta R.T. -0.06 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

Instrument :
BNA_F
ClientSampleId :
SS-30

Tot Ion:252 Resp: 61029
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 12.7 11.2 16.8

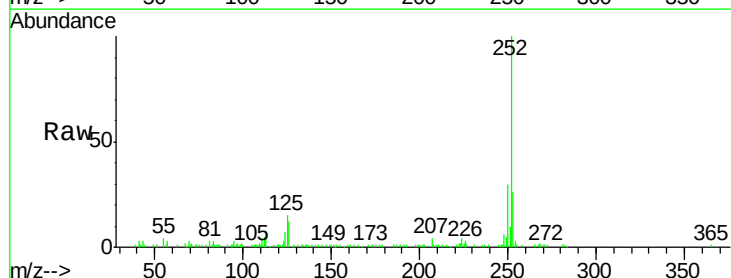


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

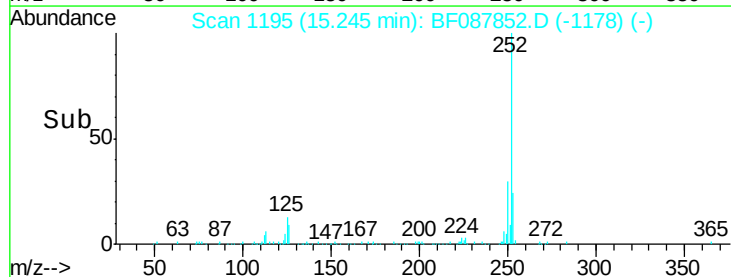
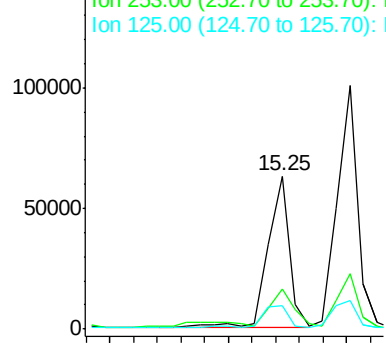


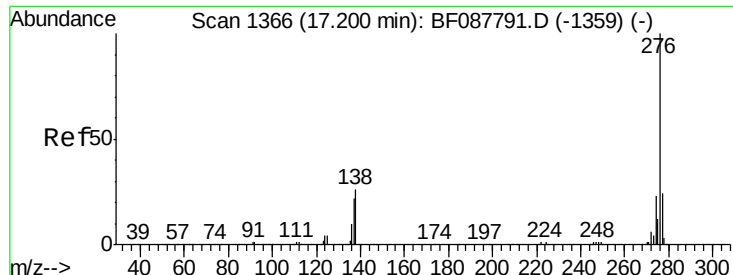
#89
Benzo(a)pyrene
Concen: 5.77 ng
RT: 15.25 min Scan# 1195
Delta R.T. -0.10 min
Lab File: BF087852.D
Acq: 9 Jun 2016 15:04

Tgt Ion:252 Resp: 79174
Ion Ratio Lower Upper
252 100
253 25.9 17.9 26.9
125 15.1 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(a,h,i)perylene

Concen: 5.53 ng

RT: 17.12 min Scan# 1359

Delta R.T. -0.08 min

Lab File: BF087852.D

Acq: 9 Jun 2016 15:04

Instrument :

BNA_F

ClientSampleId :

SS-30

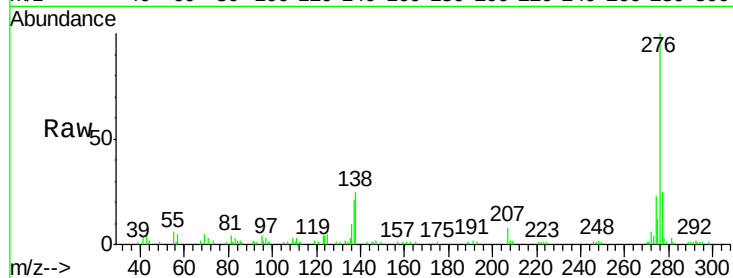
Tot Ion:276 Resp: 72412

Ion Ratio Lower Upper

276 100

277 25.1 18.9 28.3

138 24.6 21.4 32.2



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

