

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
 Data File : BF089927.D
 Acq On : 27 Aug 2016 00:21
 Operator : UM/SJ
 Sample : H4576-09 50X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-(3-5)

Quant Time: Aug 27 01:49:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 18:51:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	311496	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	968673	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	442020	20.00	ng	0.00
63) Phenanthrene-d10	11.17	188	901003	20.00	ng	0.01
75) Chrysene-d12	13.78	240	884084	20.00	ng	0.00
86) Perylene-d12	15.13	264	733733	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	28534	1.57	ng	-0.01
7) Phenol-d6	6.27	99	52120	2.34	ng	-0.02
23) Nitrobenzene-d5	7.21	82	132679	8.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	10993	2.62	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	75207	2.99	ng	0.00
78) Terphenyl-d14	12.74	244	63858	1.63	ng	0.00

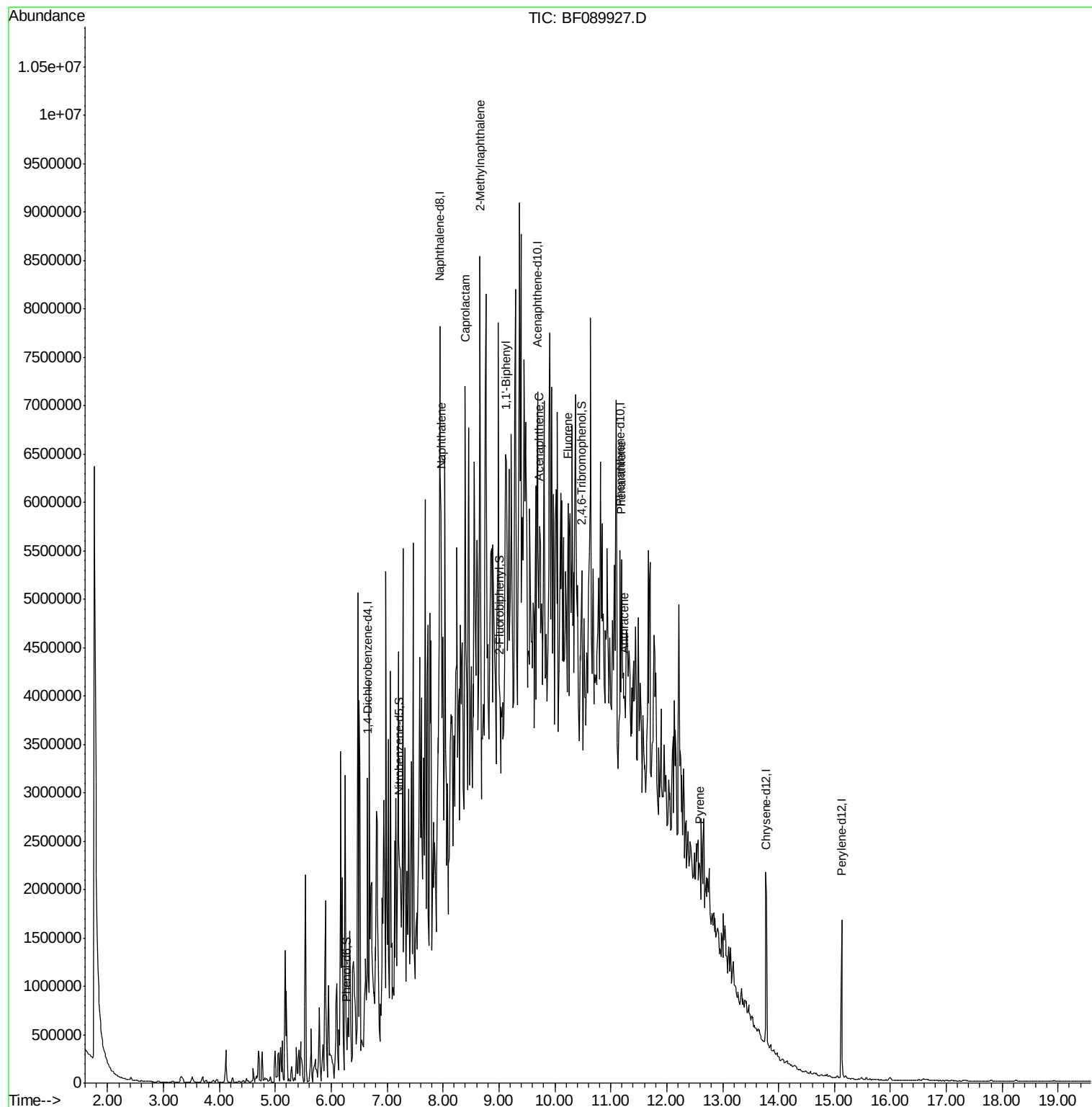
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.96	128	1666047	36.80	ng	99
35) Caprolactam	8.40	113	175631	43.69	ng	# 65
37) 2-Methylnaphthalene	8.66	142	2561178	87.45	ng	# 96
45) 1,1'-Biphenyl	9.12	154	468047	13.68	ng	97
51) Acenaphthene	9.72	154	234508	8.72	ng	94
57) Fluorene	10.24	166	503187	18.69	ng	# 89
70) Phenanthrene	11.19	178	1219659	26.80	ng	97
71) Anthracene	11.23	178	203194m	4.39	ng	
77) Pyrene	12.59	202	354421	4.92	ng	# 94

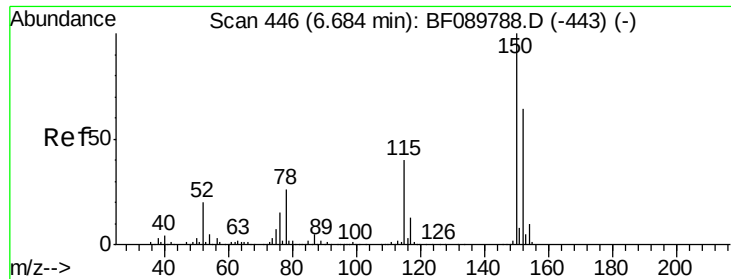
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082616\
Data File : BF089927.D
Acq On : 27 Aug 2016 00:21
Operator : UM/SJ
Sample : H4576-09 50X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-21A-(3-5)

Quant Time: Aug 27 01:49:50 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 26 18:51:25 2016
Response via : Initial Calibration



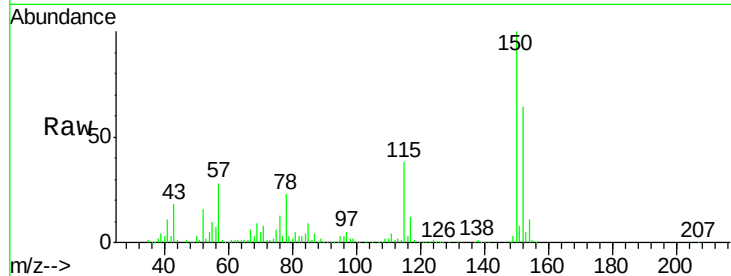


#1

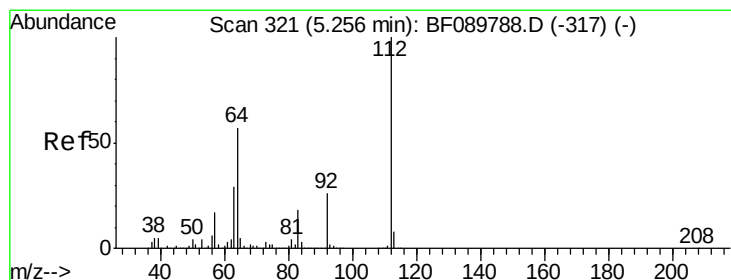
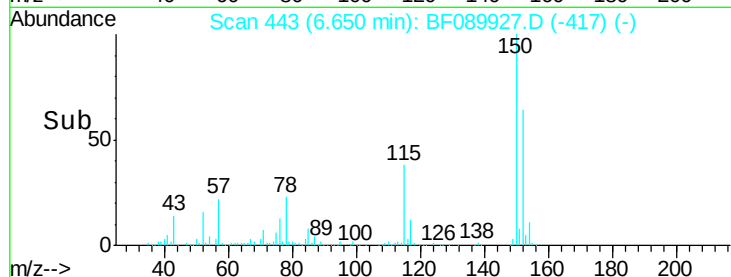
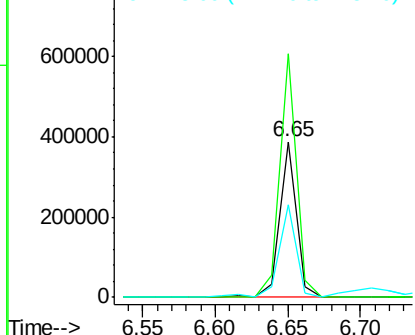
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 443
Delta R.T. -0.00 min
Lab File: BF089927.D
Acq: 27 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
SB-21A-(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.3	187.9
115	59.8	40.9	61.3



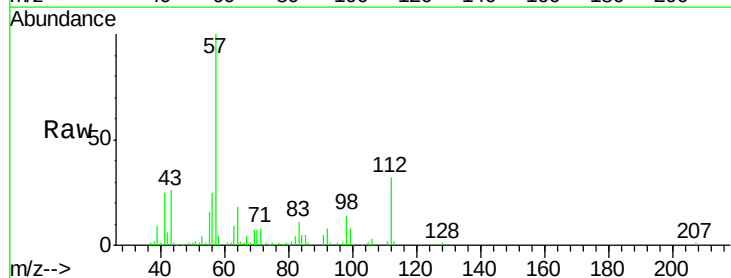
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



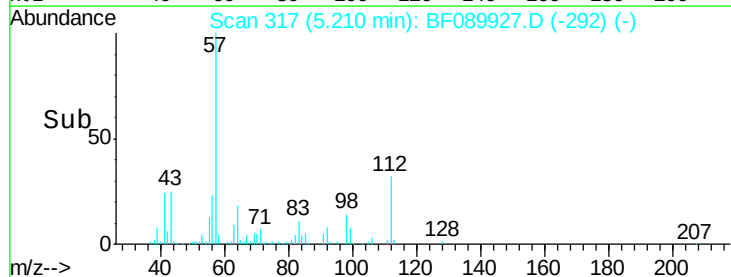
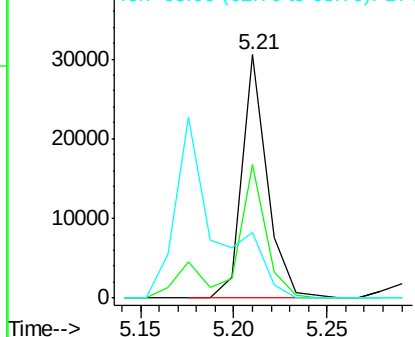
#5

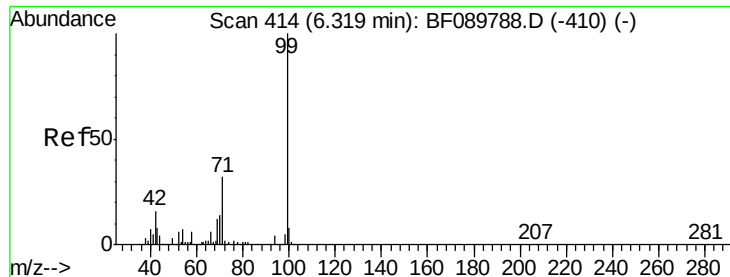
2-Fluorophenol
Concen: 1.57 ng
RT: 5.21 min Scan# 317
Delta R.T. -0.01 min
Lab File: BF089927.D
Acq: 27 Aug 2016 00:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.0	67.4
63	26.8	23.1	34.7



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: 2.34 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

SB-21A-(3-5)

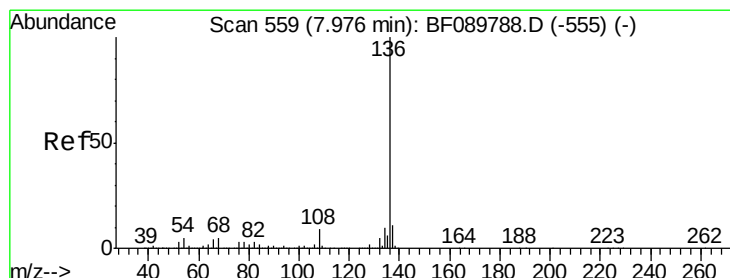
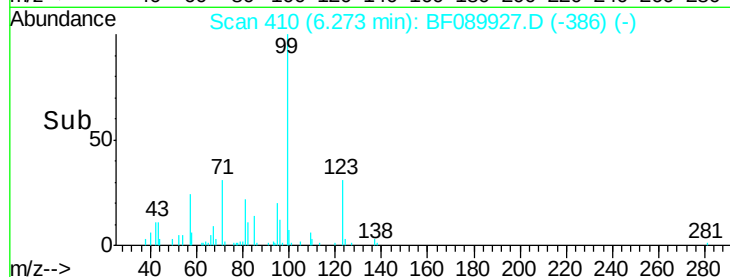
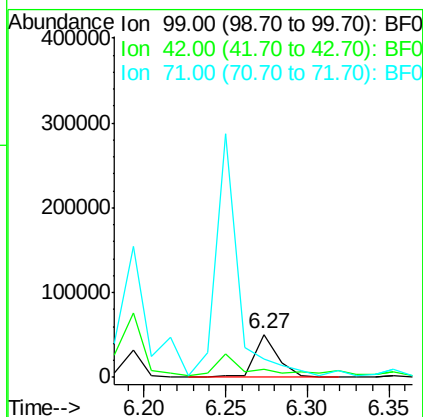
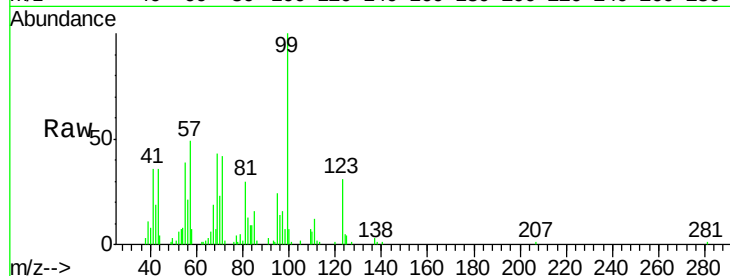
Tot Ion: 99 Resp: 52120

Ion Ratio Lower Upper

99 100

42 19.4 12.2 18.4#

71 42.2 23.8 35.8#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 556

Delta R.T. -0.00 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

Tgt Ion: 136 Resp: 968673

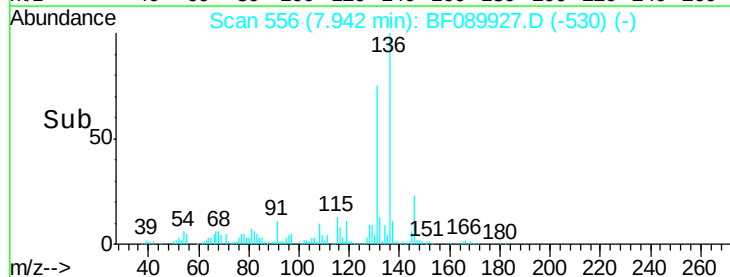
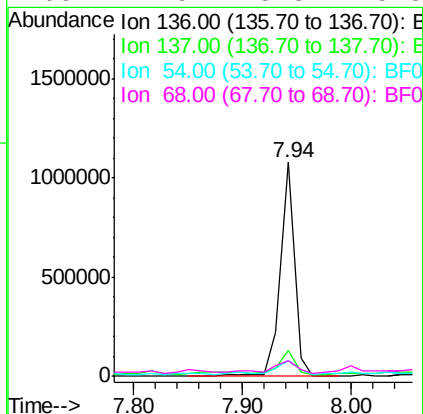
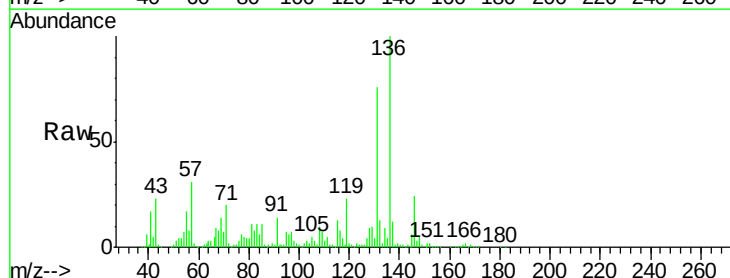
Ion Ratio Lower Upper

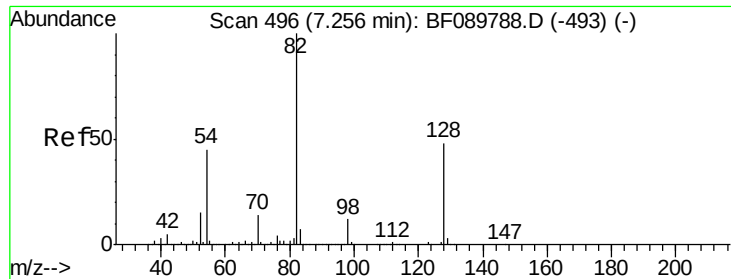
136 100

137 12.0 9.2 13.8

54 7.3 7.2 10.8

68 7.5 5.8 8.8

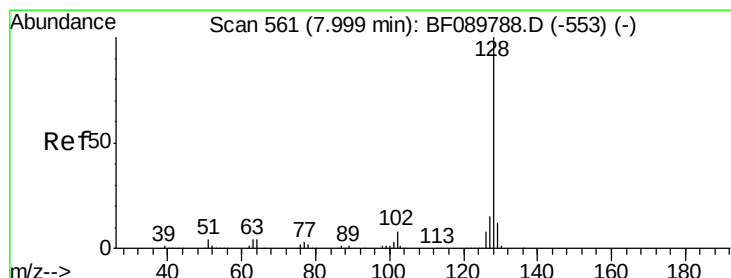
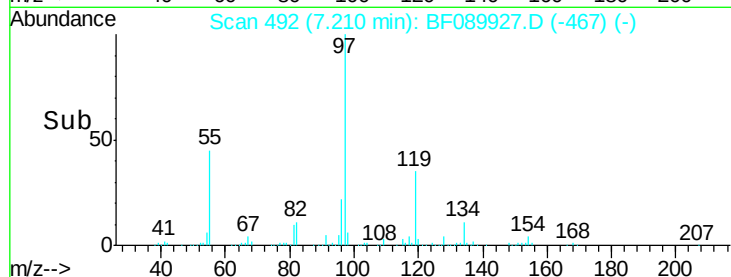
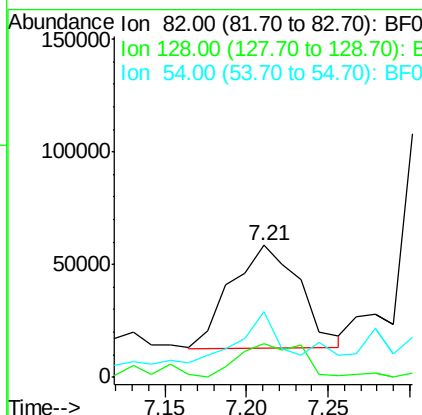
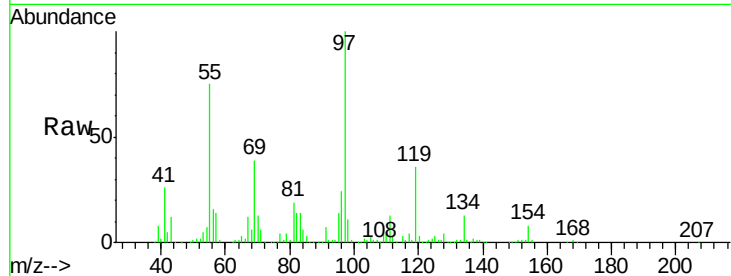




#23
 Nitrobenzene-d5
 Concen: 8.51 ng
 RT: 7.21 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: BF089927.D
 Acq: 27 Aug 2016 00:21

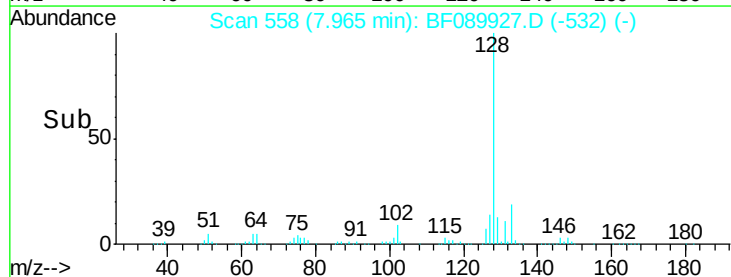
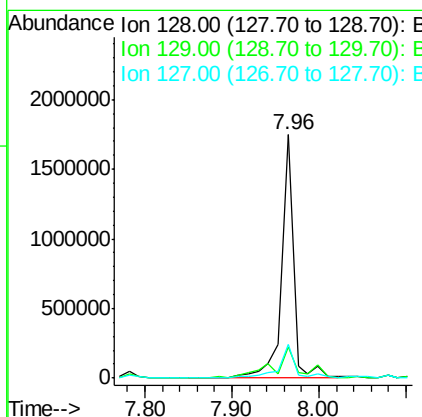
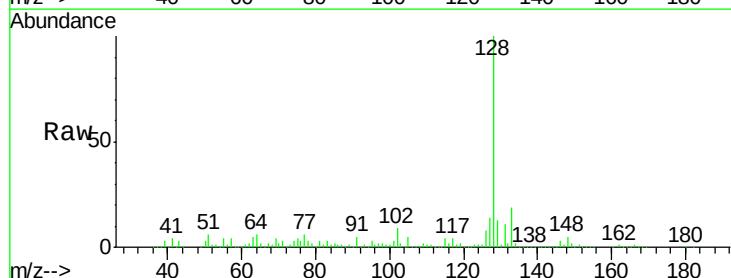
Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-(3-5)

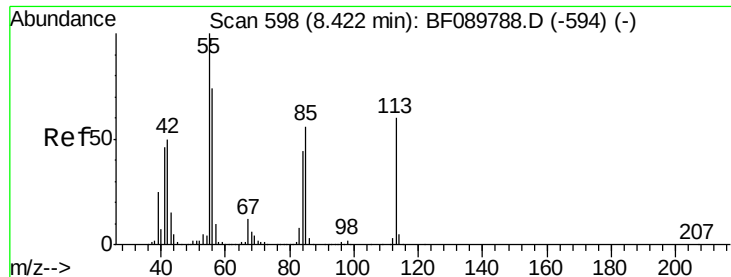
Tot Ion	82	Resp	132679
Ion Ratio	Lower	Upper	
82	100		
128	25.2	34.4	51.6#
54	50.0	40.3	60.5



#31
 Naphthalene
 Concen: 36.80 ng
 RT: 7.96 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: BF089927.D
 Acq: 27 Aug 2016 00:21

Tgt Ion	128	Resp	1666047
Ion Ratio	Lower	Upper	
128	100		
129	13.0	9.5	14.3
127	14.0	11.3	16.9





#35

Caprolactam

Concen: 43.69 ng

RT: 8.40 min Scan# 596

Delta R.T. -0.01 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

SB-21A-(3-5)

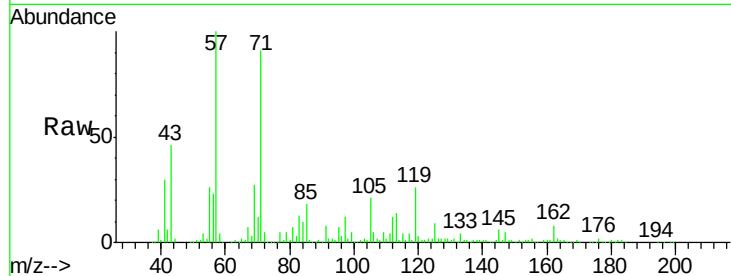
Tot Ion:113 Resp: 175631

Ion Ratio Lower Upper

113 100

55 190.6 135.9 175.9#

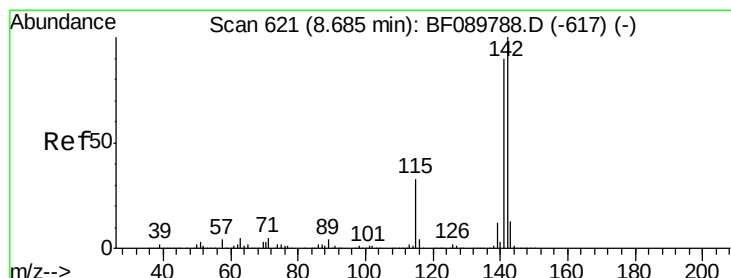
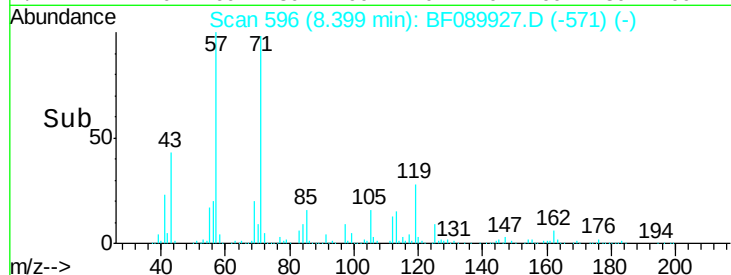
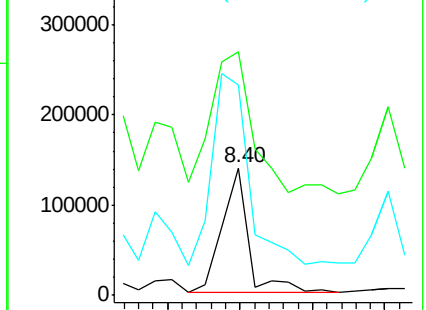
56 164.5 93.9 133.9#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 87.45 ng

RT: 8.66 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

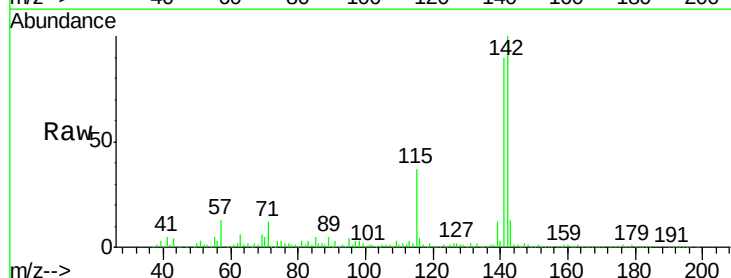
Tgt Ion:142 Resp: 2561178

Ion Ratio Lower Upper

142 100

141 89.9 71.4 107.2

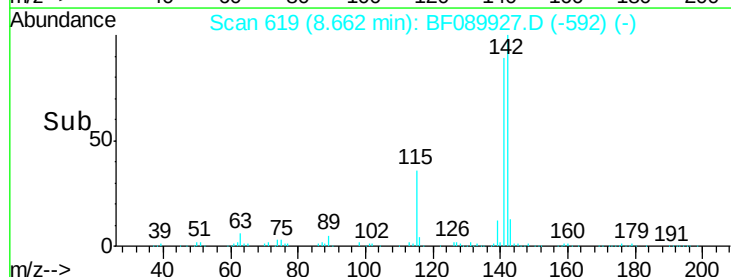
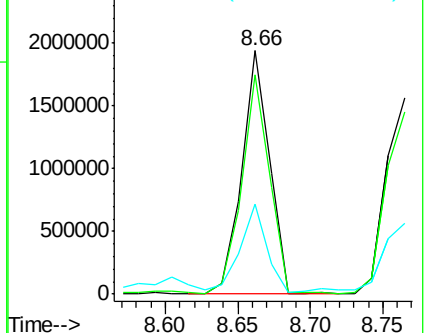
115 36.8 22.7 34.1#

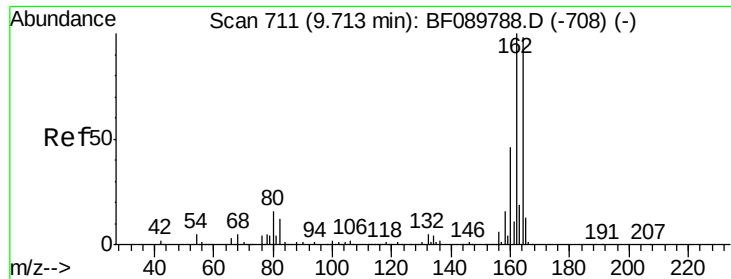


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.69 min Scan# 709

Delta R.T. -0.00 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

SB-21A-(3-5)

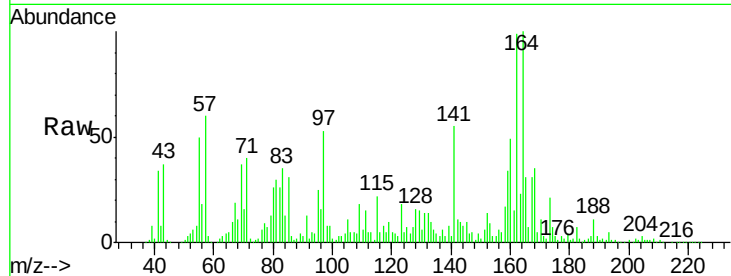
Tot Ion:164 Resp: 442020

Ion Ratio Lower Upper

164 100

162 98.9 81.4 122.2

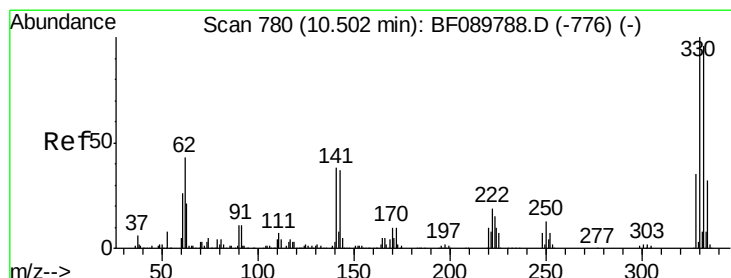
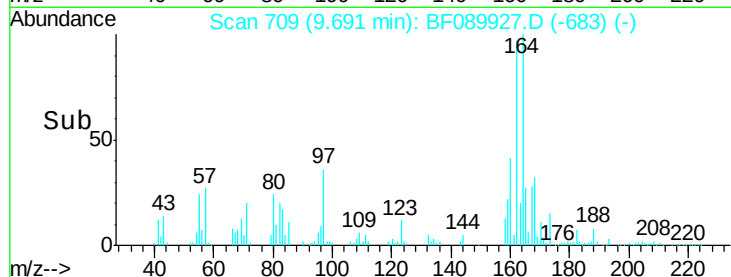
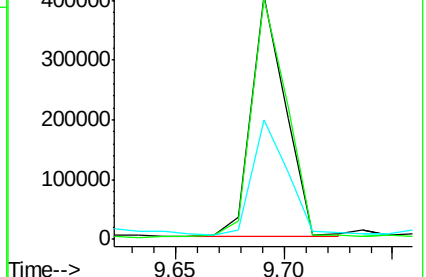
160 49.3 37.8 56.6



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: 2.62 ng

RT: 10.48 min Scan# 778

Delta R.T. -0.00 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

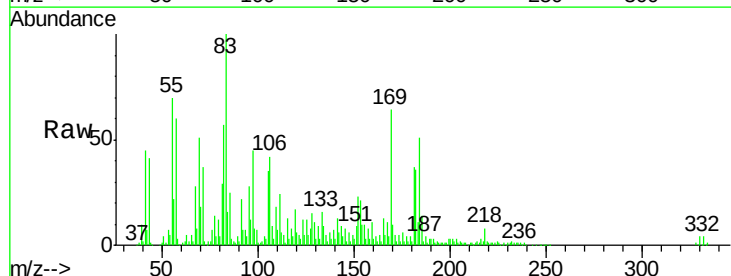
Tgt Ion:330 Resp: 10993

Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

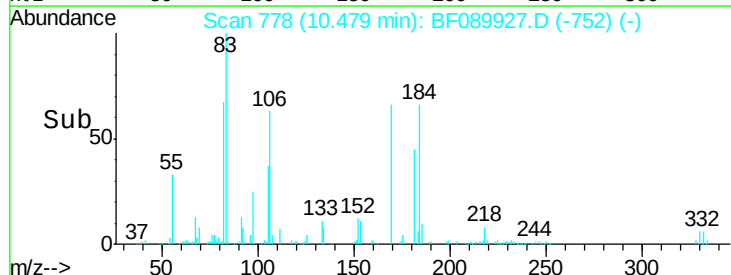
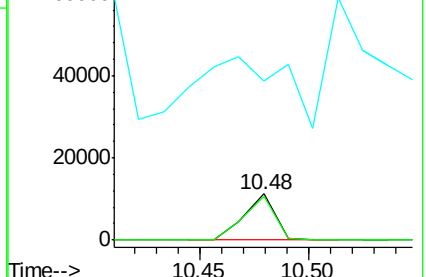
141 439.7 30.2 45.2#

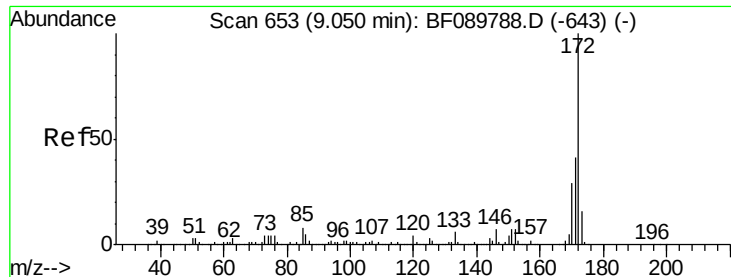


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

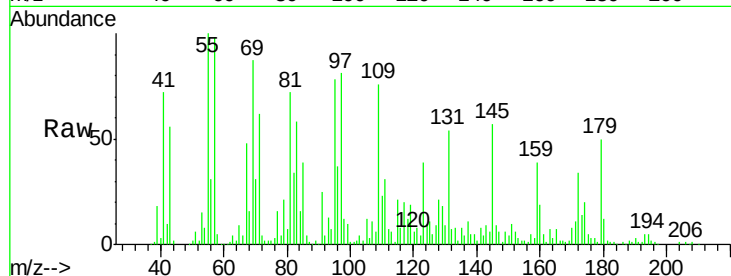




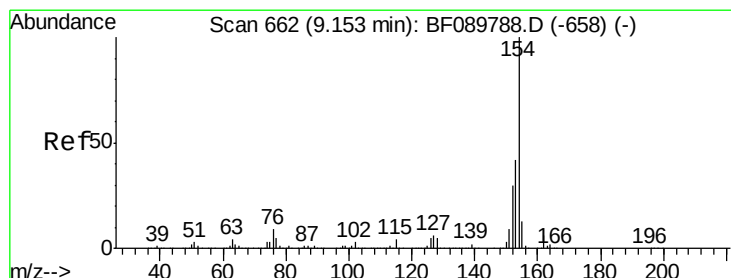
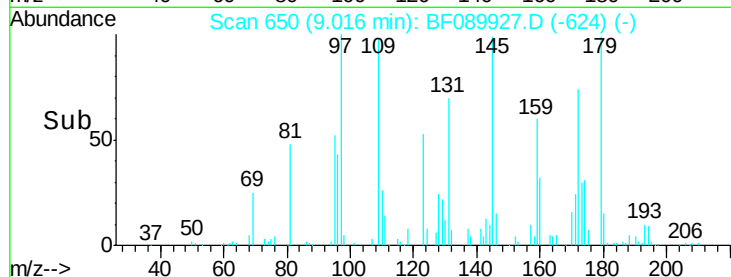
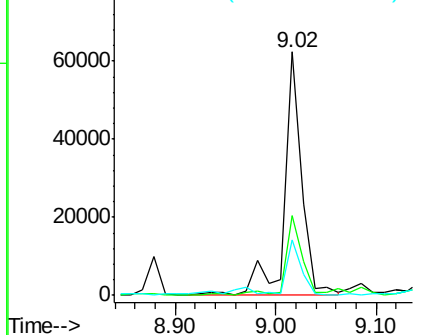
#44
2-Fluorobiphenyl
Concen: 2.99 ng
RT: 9.02 min Scan# 650
Delta R.T. -0.00 min
Lab File: BF089927.D
Acq: 27 Aug 2016 00:21

Instrument :
BNA_F
ClientSampleId :
SB-21A-(3-5)

Tot Ion:172 Resp: 75207
Ion Ratio Lower Upper
172 100
171 32.7 30.5 45.7
170 22.8 20.6 31.0

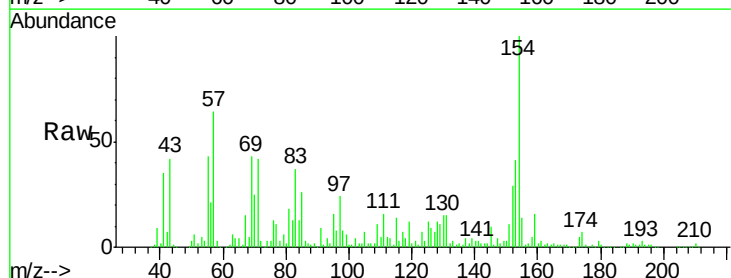


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

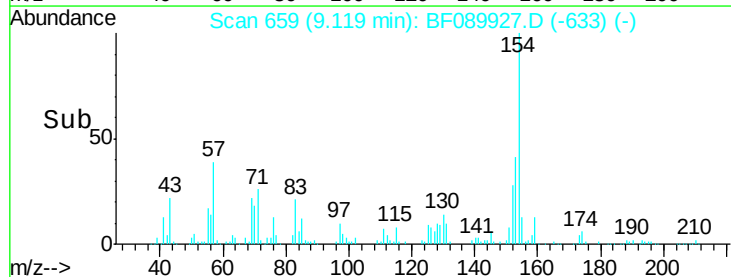
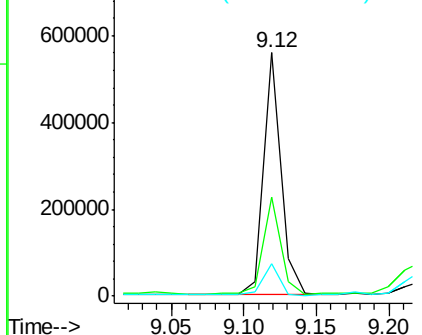


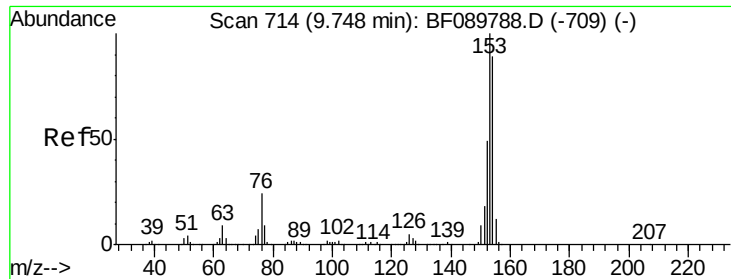
#45
1,1'-Biphenyl
Concen: 13.68 ng
RT: 9.12 min Scan# 659
Delta R.T. -0.00 min
Lab File: BF089927.D
Acq: 27 Aug 2016 00:21

Tgt Ion:154 Resp: 468047
Ion Ratio Lower Upper
154 100
153 40.6 21.5 61.5
76 13.4 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#51

Acenaphthene

Concen: 8.72 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.00 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

SB-21A-(3-5)

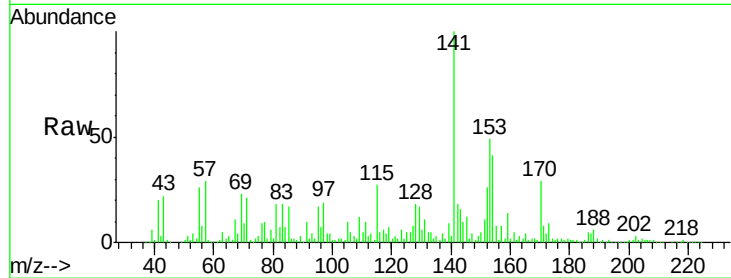
Tot Ion:154 Resp: 234508

Ion Ratio Lower Upper

154 100

153 117.8 90.5 135.7

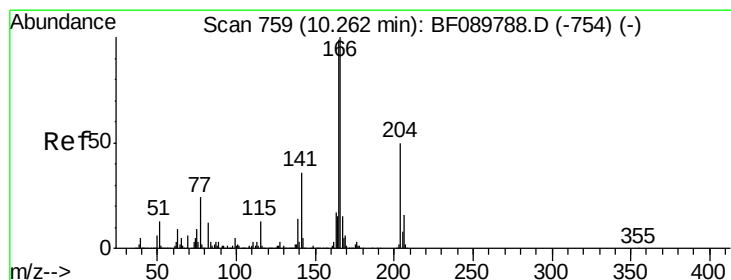
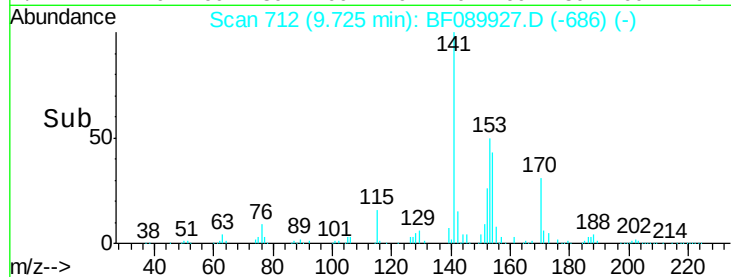
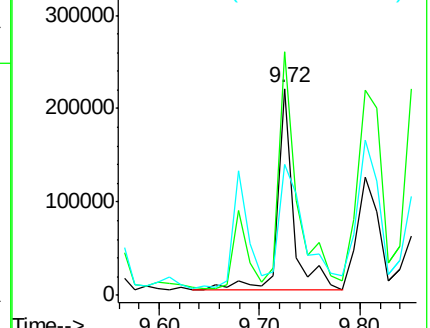
152 63.4 44.6 67.0



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: 18.69 ng

RT: 10.24 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

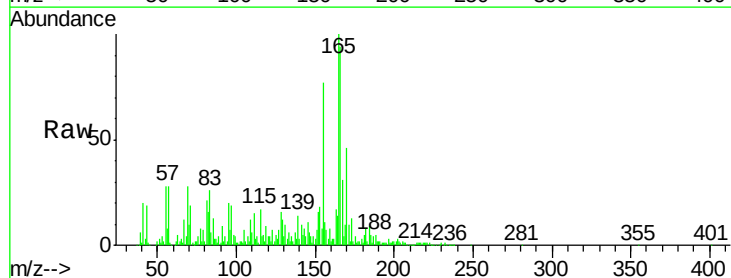
Tgt Ion:166 Resp: 503187

Ion Ratio Lower Upper

166 100

165 106.7 80.2 120.4

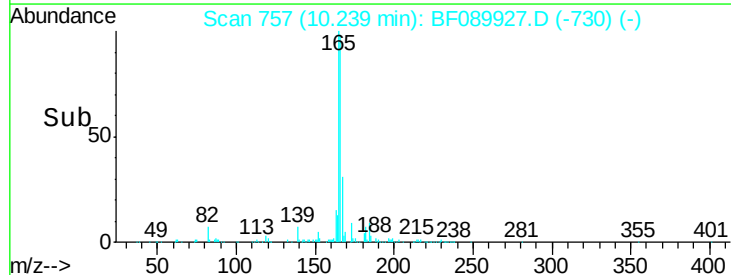
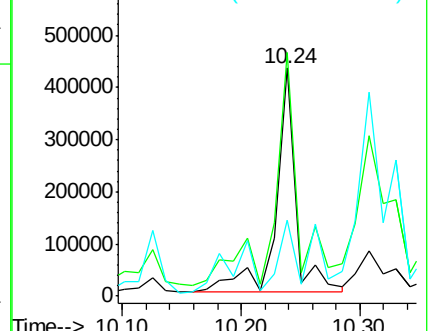
167 33.4 11.3 16.9#

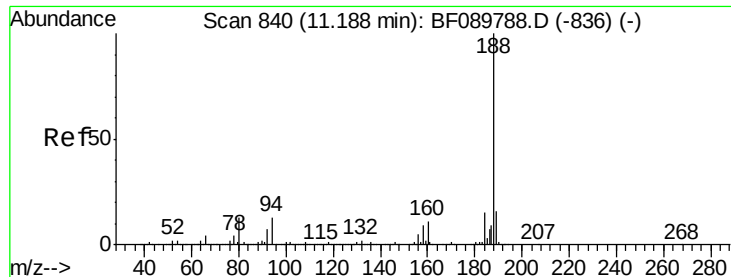


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.17 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

SB-21A-(3-5)

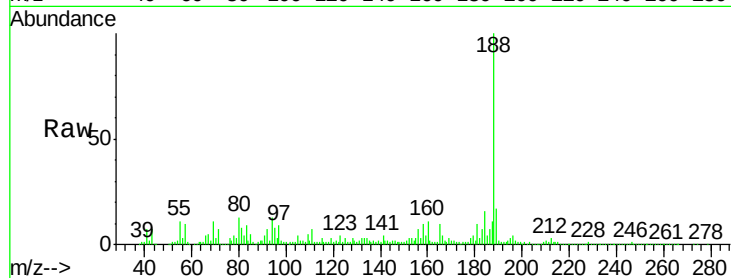
Tot Ion:188 Resp: 901003

Ion Ratio Lower Upper

188 100

94 12.6 10.2 15.2

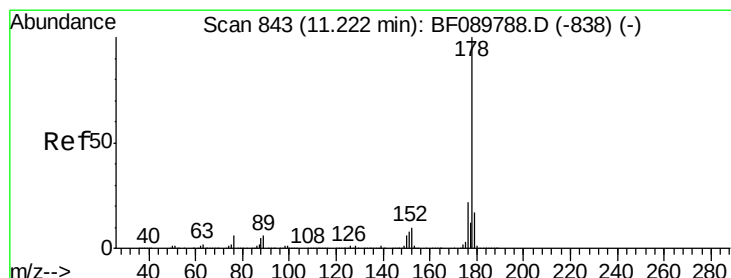
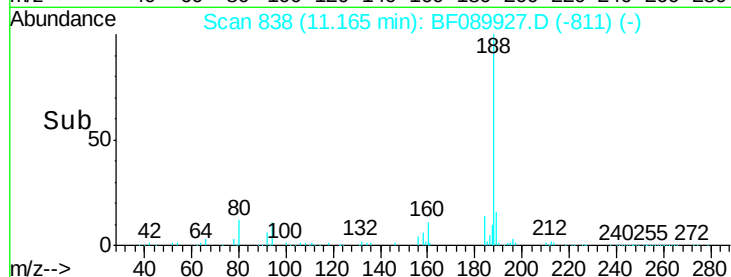
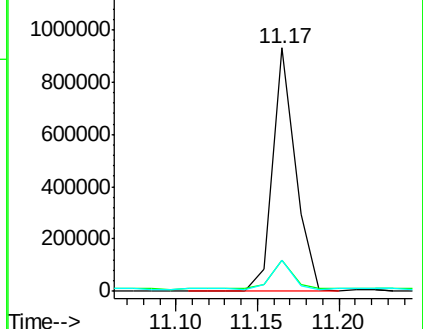
80 12.7 10.9 16.3



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: 26.80 ng

RT: 11.19 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

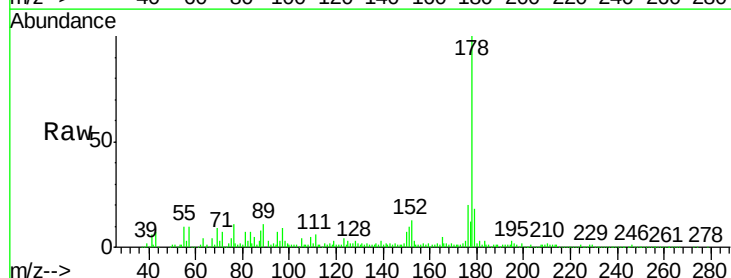
Tgt Ion:178 Resp: 1219659

Ion Ratio Lower Upper

178 100

176 20.2 16.4 24.6

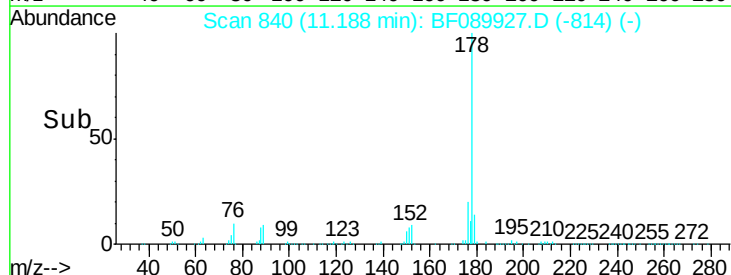
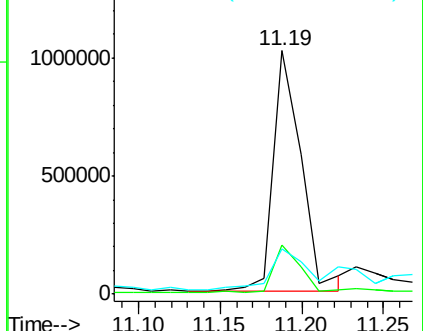
179 18.3 12.5 18.7

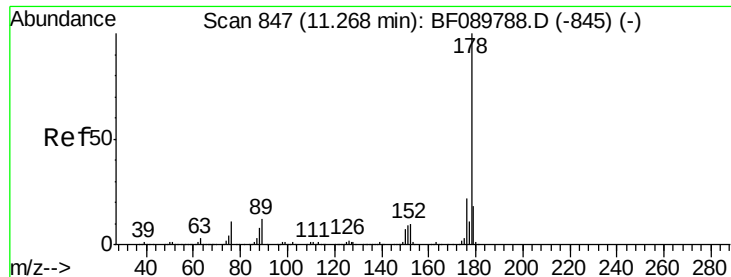


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

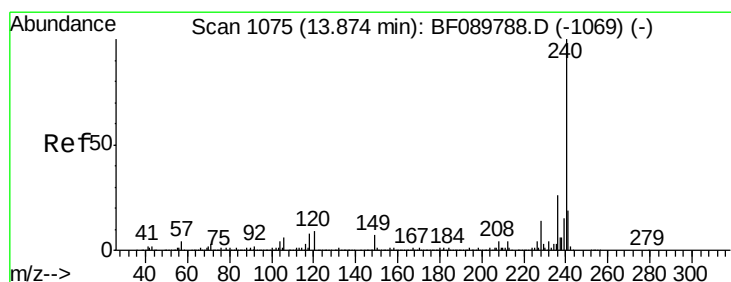
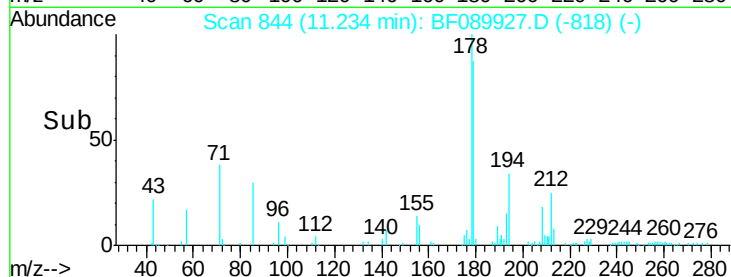
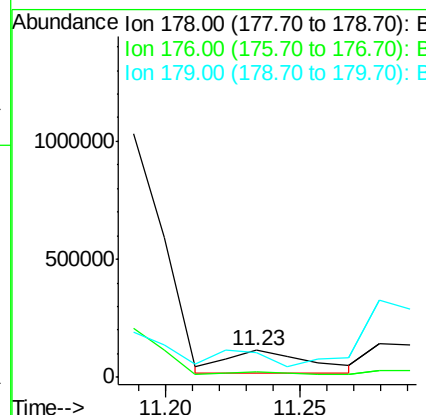
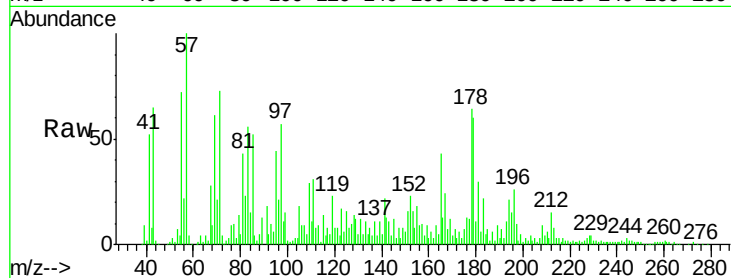




#71
 Anthracene
 Concen: 4.39 ng/mL
 RT: 11.23 min Scan# 844
 Delta R.T. -0.00 min
 Lab File: BF089927.D
 Acq: 27 Aug 2016 00:21

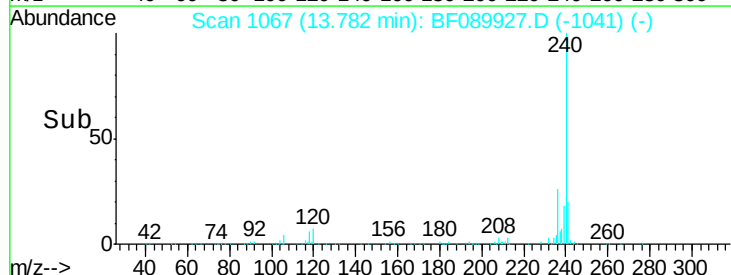
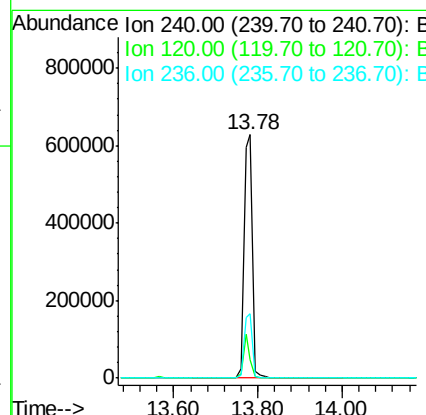
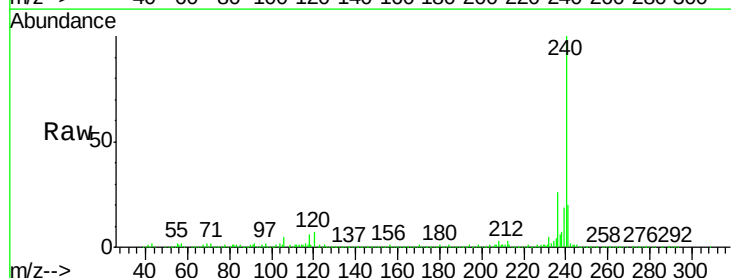
Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-(3-5)

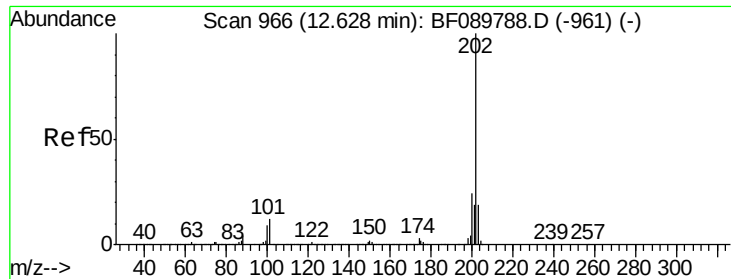
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.4	24.6
179	93.6	13.1	19.7#



#75
 Chrysene-d12
 Concen: 20.00 ng/mL
 RT: 13.78 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: BF089927.D
 Acq: 27 Aug 2016 00:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.5	8.3	12.5#
236	26.3	21.3	31.9





#77

Pvrene

Concen: 4.92 ng

RT: 12.59 min Scan# 963

Delta R.T. 0.01 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

Instrument :

BNA_F

ClientSampleId :

SB-21A-(3-5)

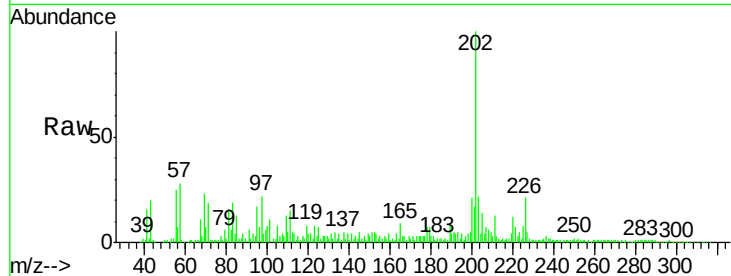
Tot Ion:202 Resp: 354421

Ion Ratio Lower Upper

202 100

200 20.6 17.8 26.6

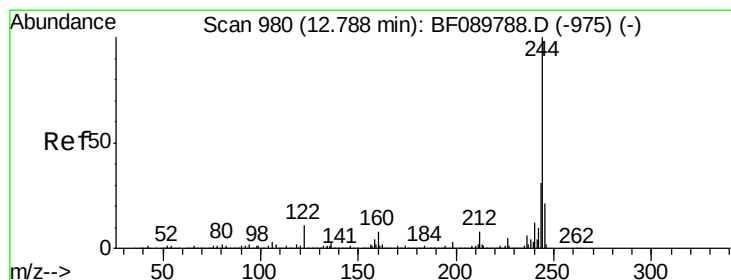
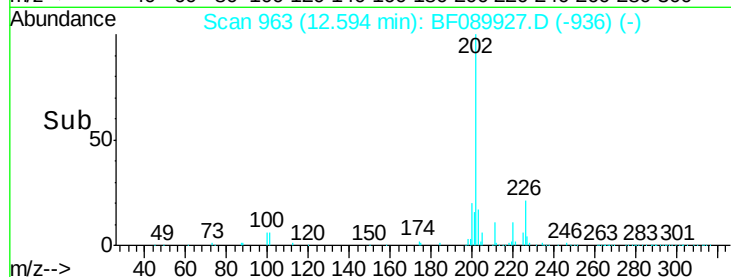
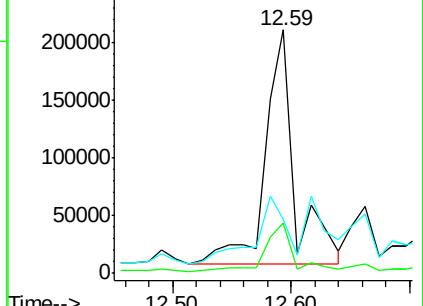
203 22.3 14.2 21.4#



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: 1.63 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF089927.D

Acq: 27 Aug 2016 00:21

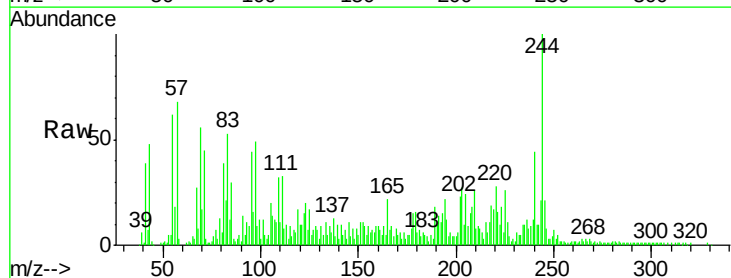
Tgt Ion:244 Resp: 63858

Ion Ratio Lower Upper

244 100

212 8.0 6.3 9.5

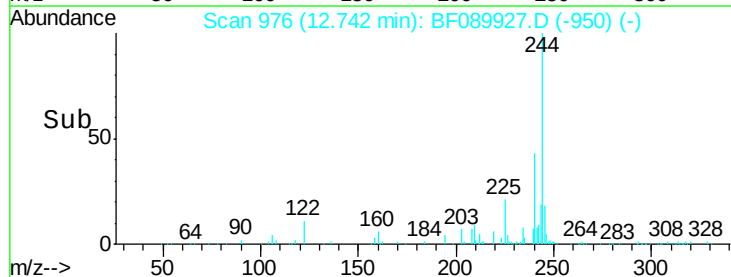
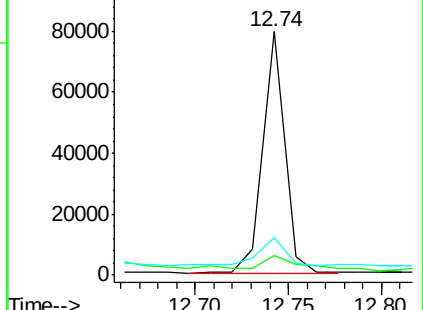
122 15.5 12.0 18.0

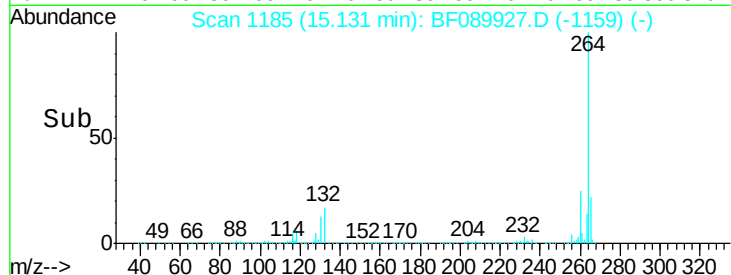
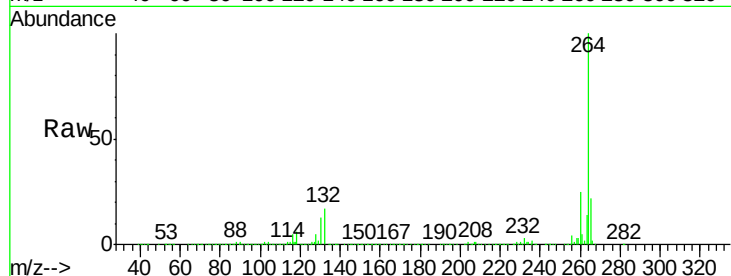
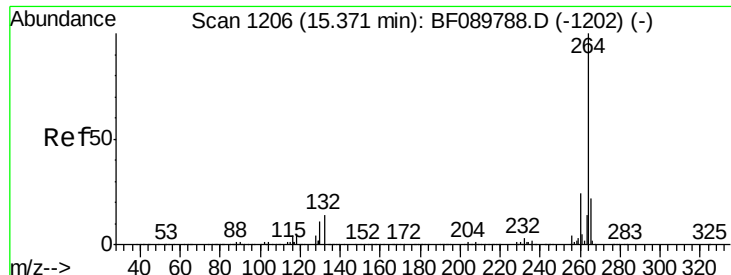


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.13 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: BF089927.D
 Acq: 27 Aug 2016 00:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-21A-(3-5)

Tot Ion:264	Resp:	733733
Ion	Ratio	Lower Upper
264	100	
260	24.6	20.2 30.2
265	21.8	17.4 26.2

