

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061416\
 Data File : BF088014.D
 Acq On : 14 Jun 2016 22:55
 Operator : UM/SJ
 Sample : H3419-03 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T6-B2(0-6)C

Quant Time: Jun 15 03:58:28 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 14:10:49 2016
 Response via : Initial Calibration

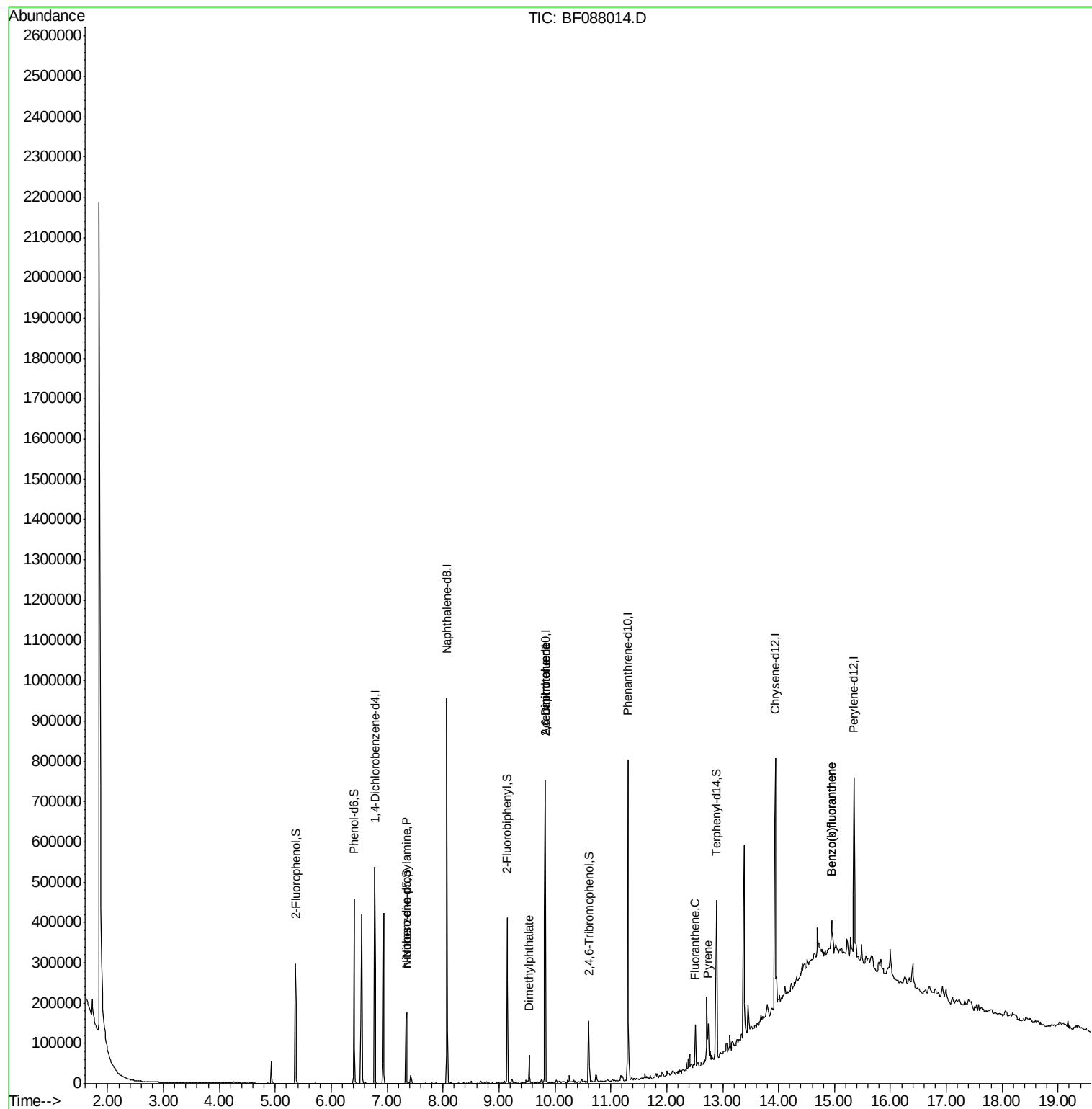
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	100401	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	407525	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	176384	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	269025	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	260746	20.00	ng	-0.01
86) Perylene-d12	15.35	264	197902	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	112497	19.16	ng	-0.02
7) Phenol-d6	6.41	99	153710	21.60	ng	-0.02
23) Nitrobenzene-d5	7.35	82	80454	11.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	15312	8.22	ng	-0.02
44) 2-Fluorobiphenyl	9.14	172	166760	9.96	ng	-0.02
78) Terphenyl-d14	12.89	244	133294	11.63	ng	-0.01
Target Compounds						
10) Phenol	6.42	94	1193	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.35	70	9878	2.17 ng	#	69
45) 1,1'-Biphenyl	9.24	154	456	Below Cal	#	43
49) Dimethylphthalate	9.54	163	25620	2.01 ng		99
50) 2,6-Dinitrotoluene	9.83	165	22577	7.72 ng	#	39
56) 2,4-Dinitrotoluene	9.83	165	22577	6.00 ng	#	37
57) Fluorene	10.36	166	1115	Below Cal	#	87
74) Fluoranthene	12.51	202	37953	2.55 ng		98
77) Pyrene	12.74	202	38909	2.01 ng		98
87) Benzo(b)fluoranthene	14.95	252	39790	2.88 ng	#	79
88) Benzo(k)fluoranthene	14.95	252	39790	3.82 ng	#	83

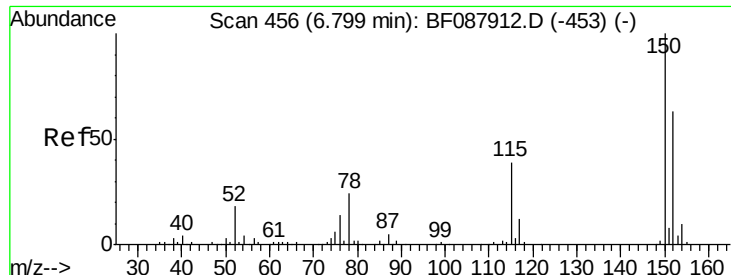
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

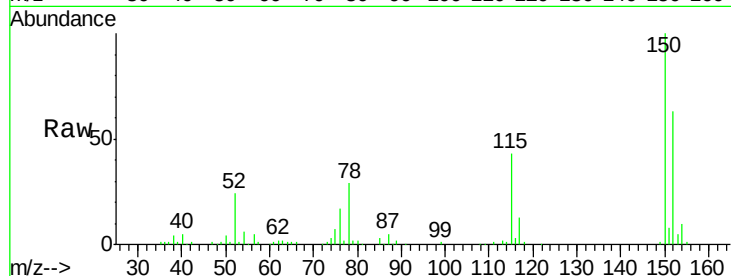
Tgt Ion:152 Resp: 100401

Ion Ratio Lower Upper

152 100

150 158.3 123.8 185.6

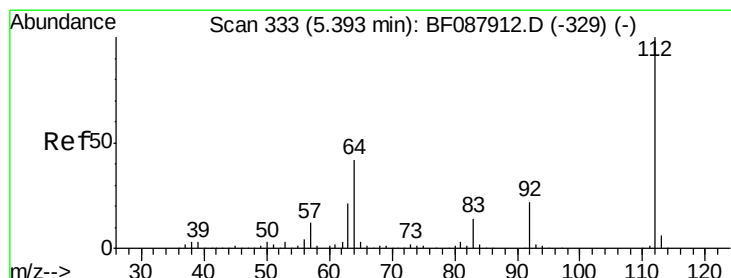
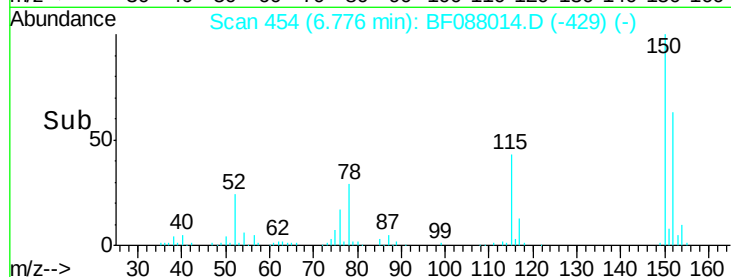
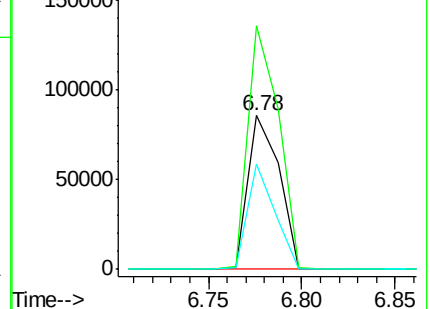
115 68.7 39.6 59.4#



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: 19.16 ng

RT: 5.36 min Scan# 330

Delta R.T. -0.02 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

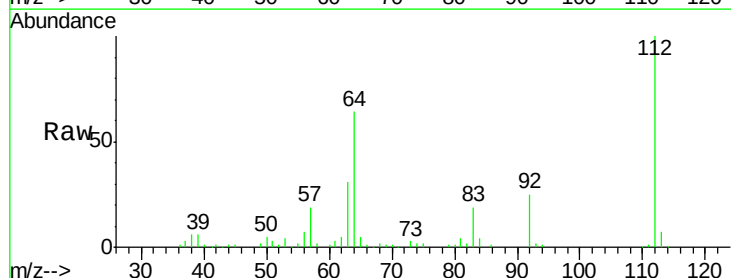
Tgt Ion:112 Resp: 112497

Ion Ratio Lower Upper

112 100

64 63.6 42.2 63.2#

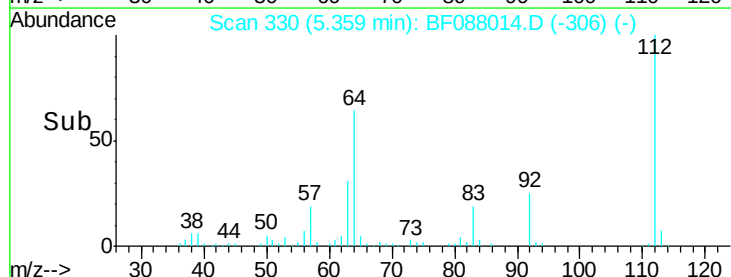
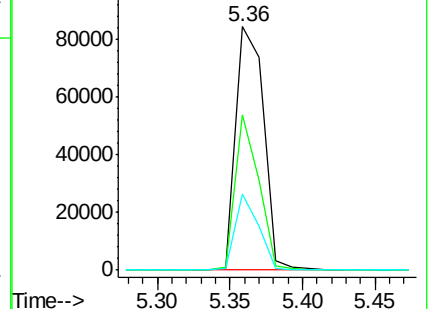
63 31.2 21.8 32.8

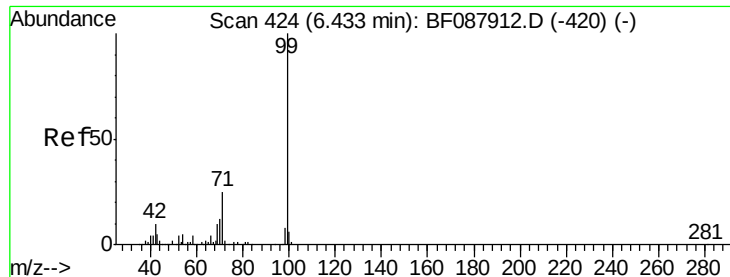


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.60 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.02 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

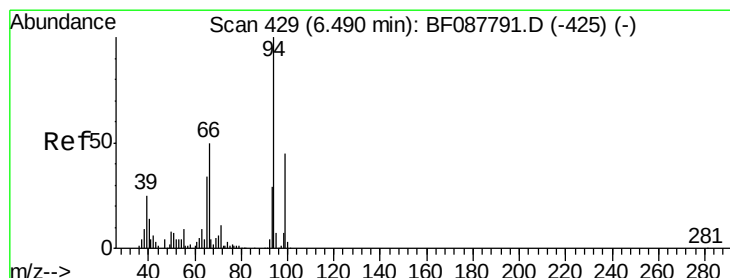
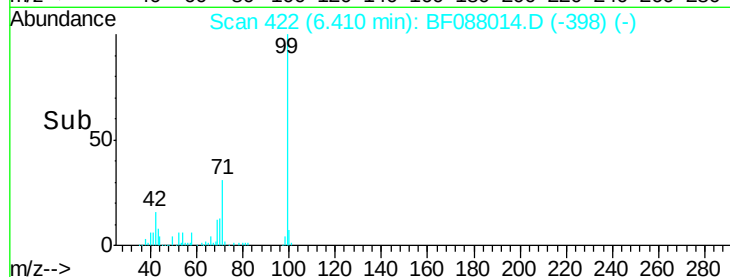
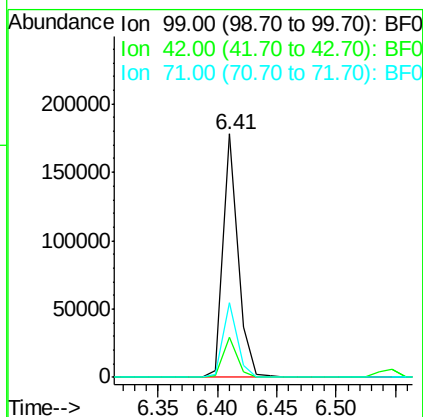
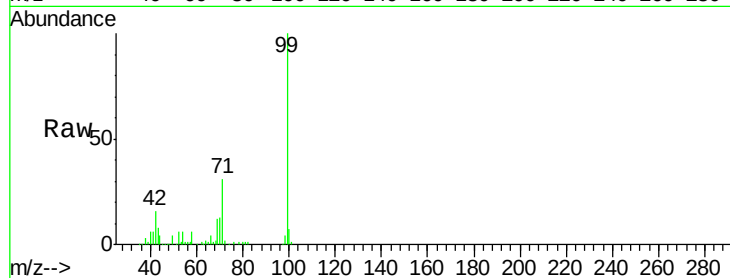
Tgt Ion: 99 Resp: 153710

Ion Ratio Lower Upper

99 100

42 16.3 12.2 18.2

71 30.9 23.4 35.0



#10

Phenol

Concen: Below Cal

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

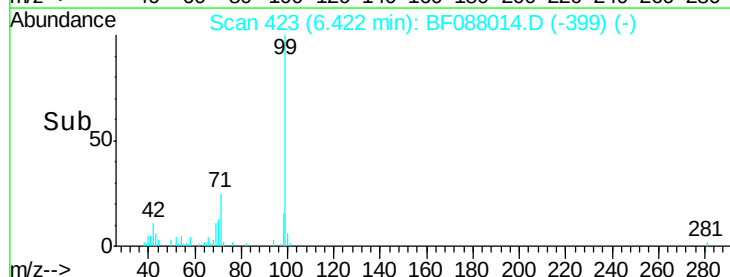
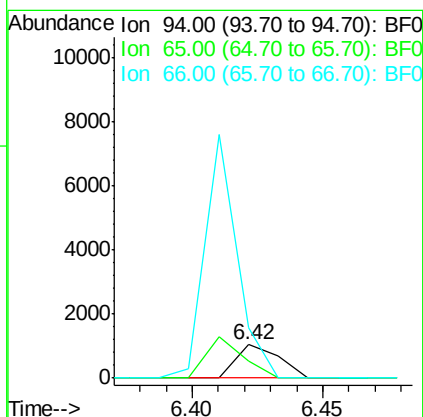
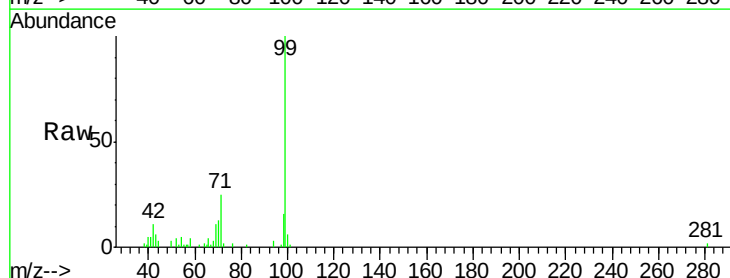
Tgt Ion: 94 Resp: 1193

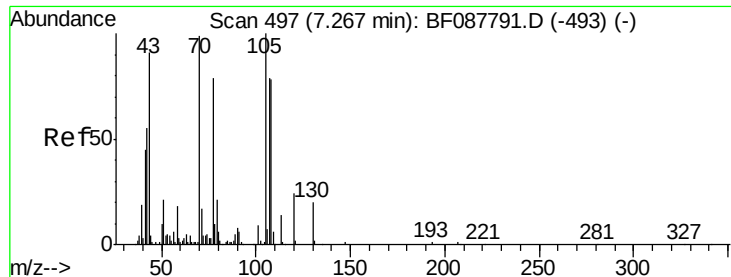
Ion Ratio Lower Upper

94 100

65 50.1 5.9 45.9#

66 150.7 14.0 54.0#





#19

n-Nitroso-di-n-propylamine

Concen: 2.17 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.13 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

Tgt Ion: 70 Resp: 9878

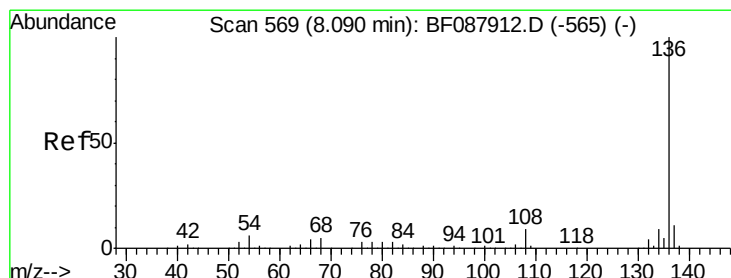
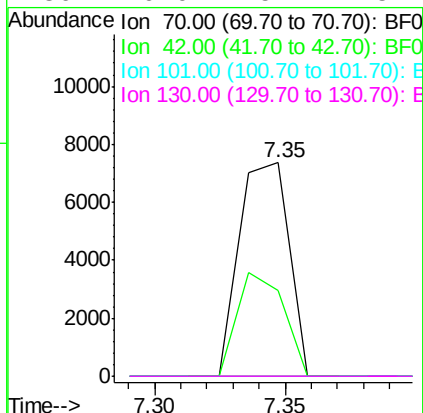
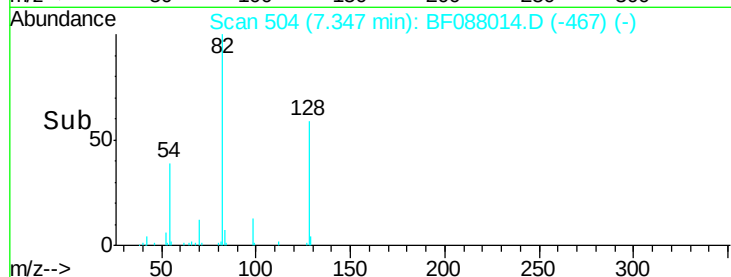
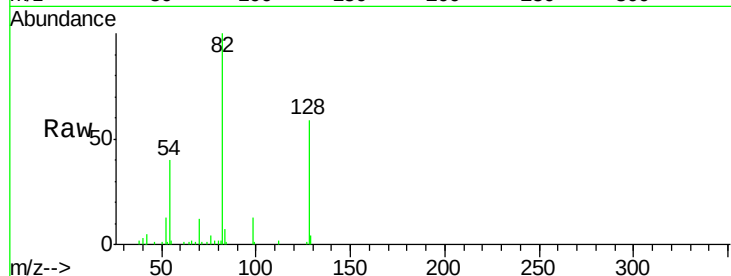
Ion Ratio Lower Upper

70 100

42 40.4 49.6 74.4#

101 0.0 7.1 10.7#

130 0.0 15.4 23.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.01 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

Tgt Ion: 136 Resp: 407525

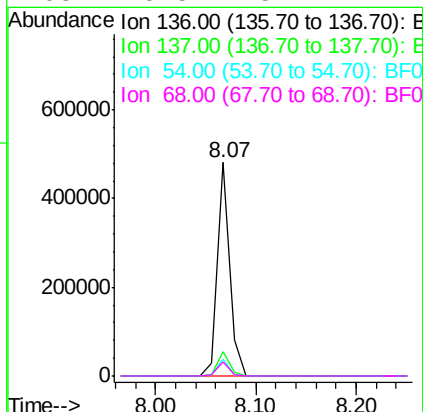
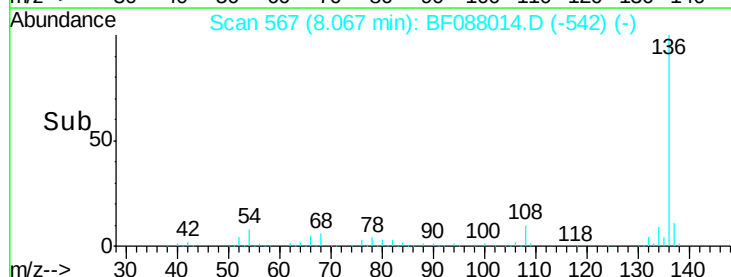
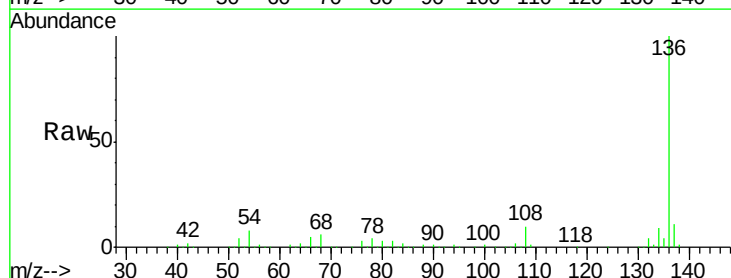
Ion Ratio Lower Upper

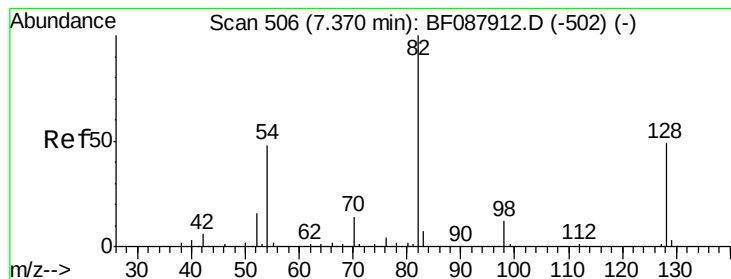
136 100

137 11.2 9.1 13.7

54 7.8 6.6 10.0

68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 11.53 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

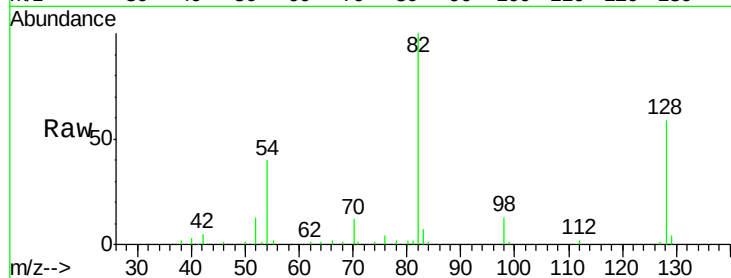
Tgt Ion: 82 Resp: 80454

Ion Ratio Lower Upper

82 100

128 58.6 35.9 53.9#

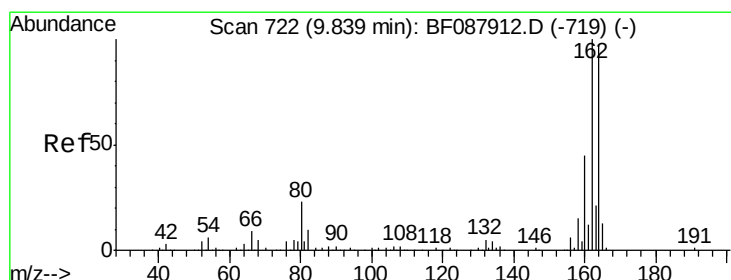
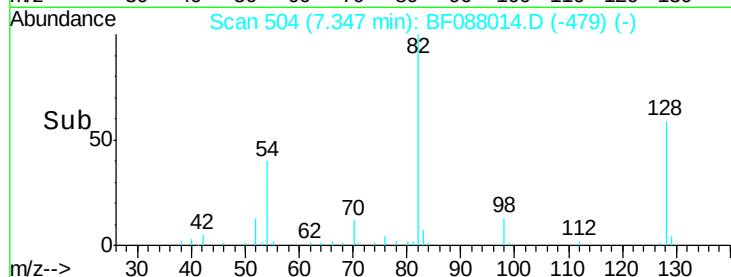
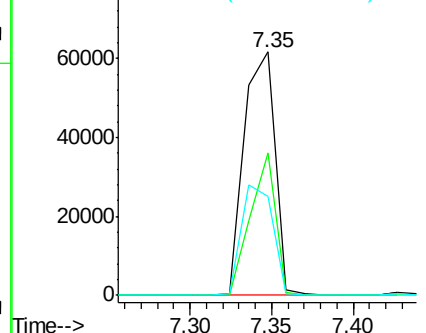
54 40.4 40.9 61.3#



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: 9.83 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

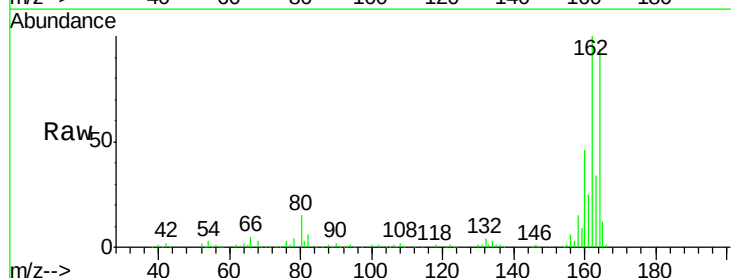
Tgt Ion: 164 Resp: 176384

Ion Ratio Lower Upper

164 100

162 105.9 85.4 128.2

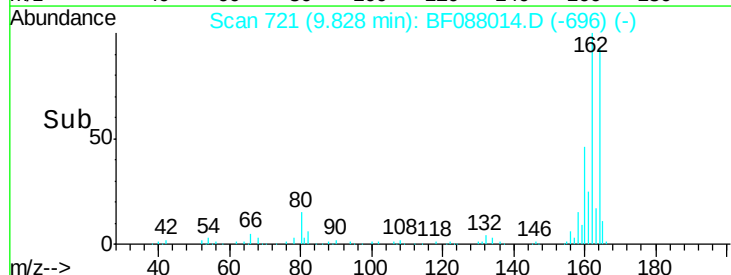
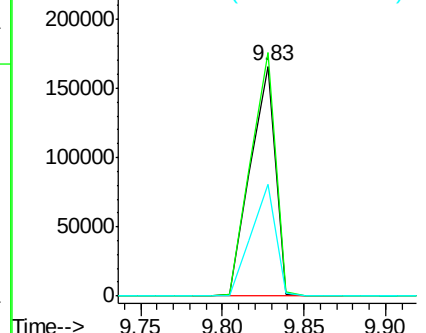
160 48.4 39.5 59.3

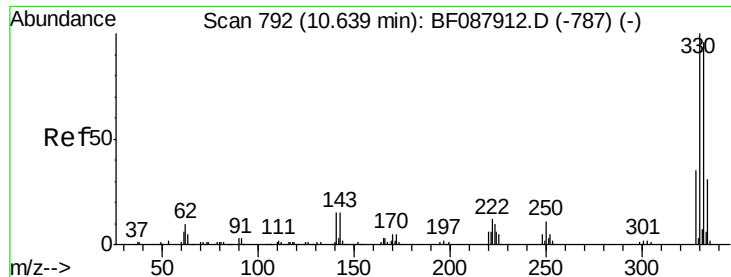


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

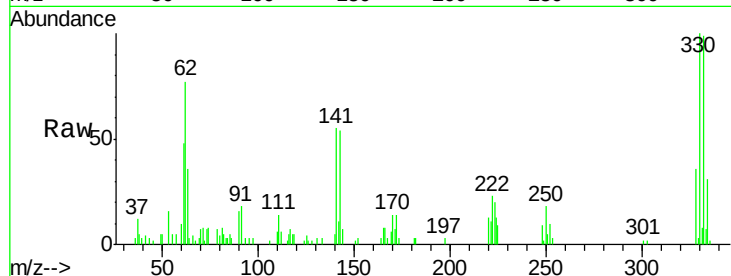




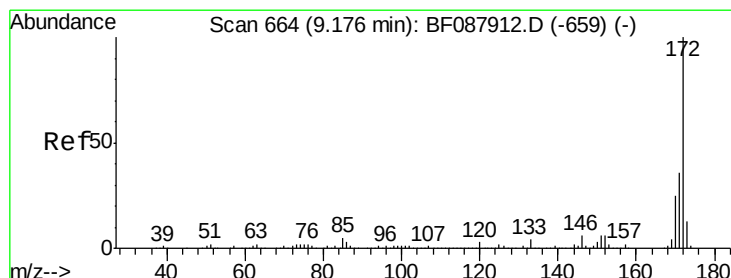
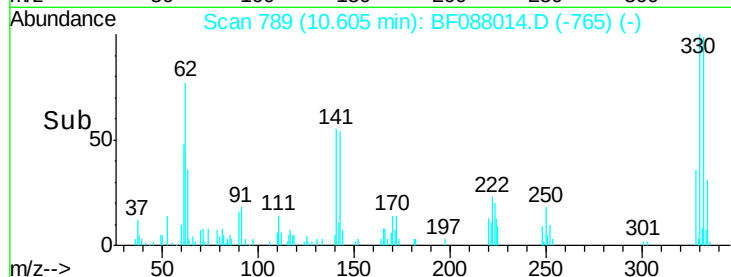
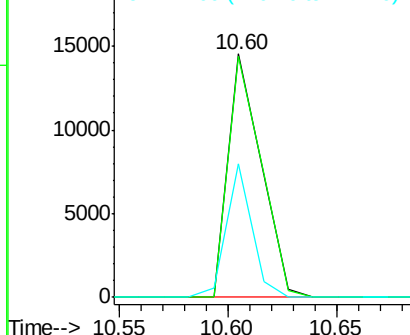
#41
 2,4,6-Tribromophenol
 Concen: 8.22 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.02 min
 Lab File: BF088014.D
 Acq: 14 Jun 2016 22:55

Instrument :
 BNA_F
 ClientSampleId :
 T6-B2(0-6)C

Tgt Ion:330 Resp: 15312
 Ion Ratio Lower Upper
 330 100
 332 99.4 0.0 0.0#
 141 42.4 0.0 0.0#

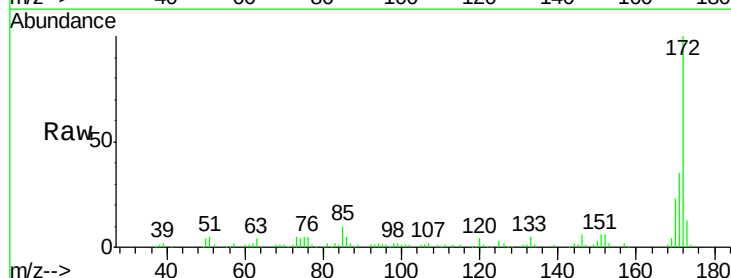


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

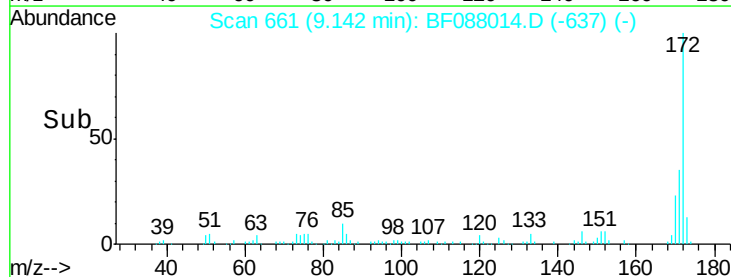
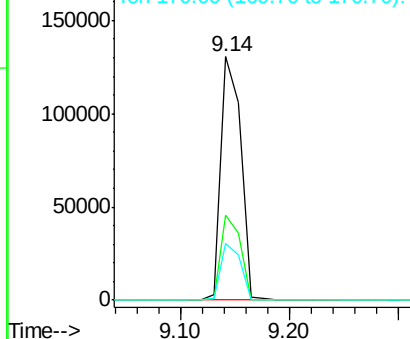


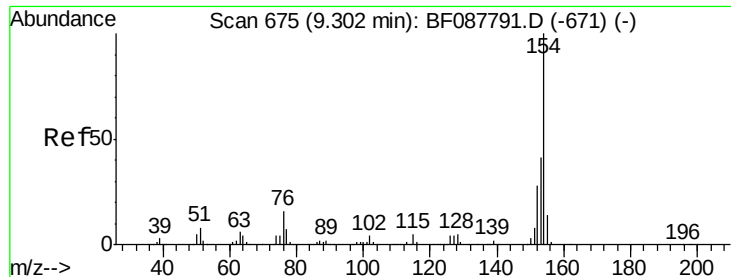
#44
 2-Fluorobiphenyl
 Concen: 9.96 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.02 min
 Lab File: BF088014.D
 Acq: 14 Jun 2016 22:55

Tgt Ion:172 Resp: 166760
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 43.0
 170 23.2 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





#45

1,1'-Biphenyl

Concen: Below Cal

RT: 9.24 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

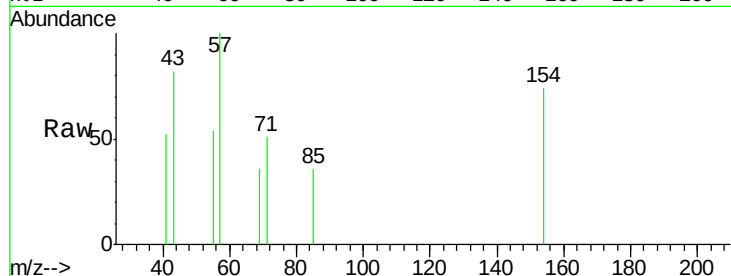
Tgt Ion:154 Resp: 456

Ion Ratio Lower Upper

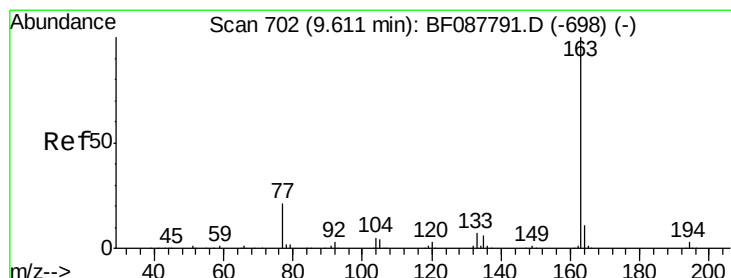
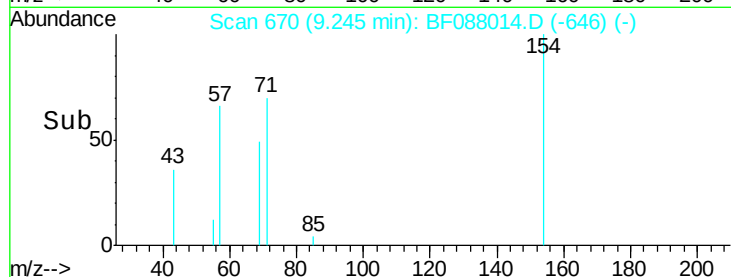
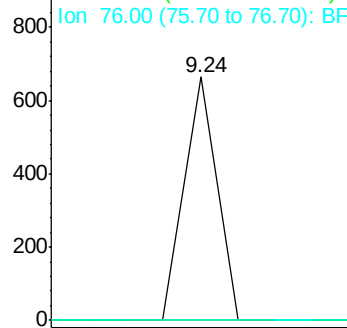
154 100

153 0.0 20.6 60.6#

76 0.0 0.0 35.1



Abundance Ion 154.00 (153.70 to 154.70): E



#49

Dimethylphthalate

Concen: 2.01 ng

RT: 9.54 min Scan# 696

Delta R.T. -0.02 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

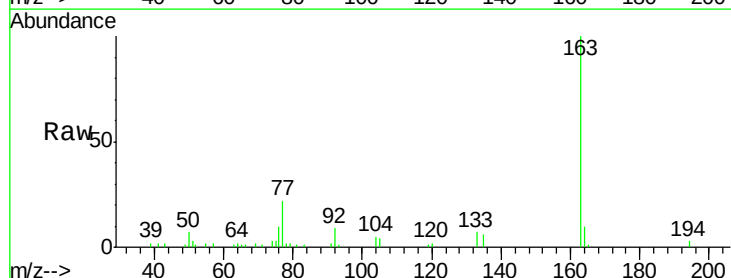
Tgt Ion:163 Resp: 25620

Ion Ratio Lower Upper

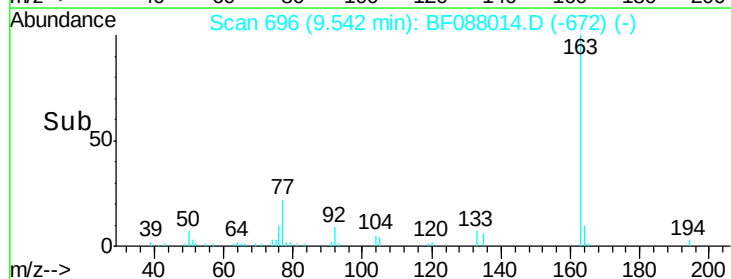
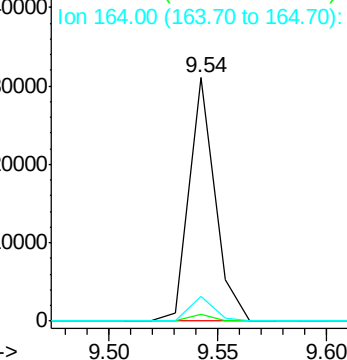
163 100

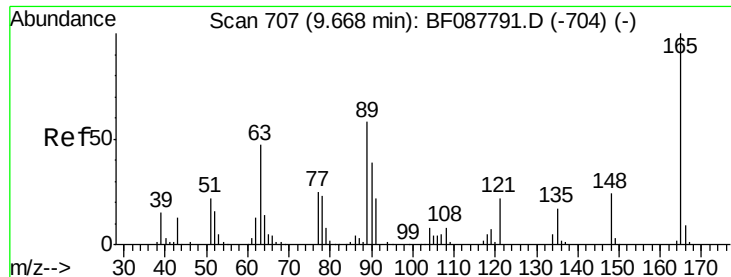
194 3.0 2.8 4.2

164 10.1 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

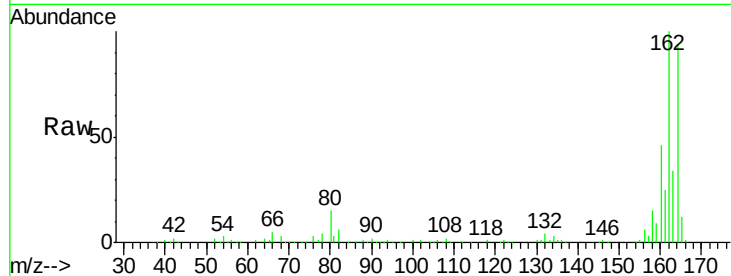




#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 9.83 min Scan# 721
 Delta R.T. 0.21 min
 Lab File: BF088014.D
 Acq: 14 Jun 2016 22:55

Instrument :
 BNA_F
 ClientSampleId :
 T6-B2(0-6)C

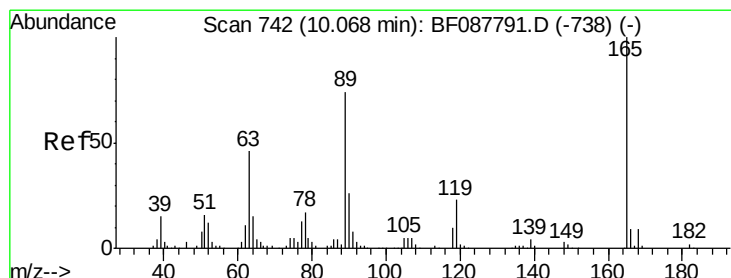
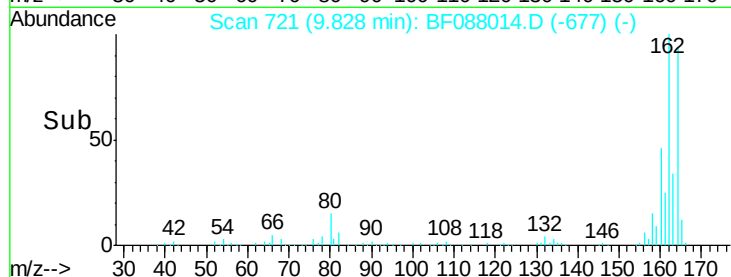
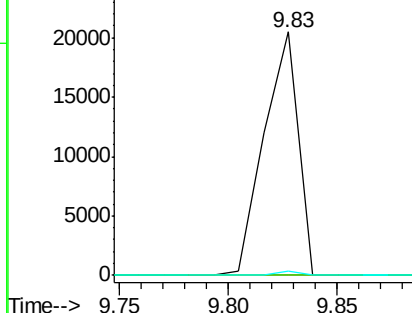
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.1	42.1#
89	1.9	32.2	48.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.21 min
 Lab File: BF088014.D
 Acq: 14 Jun 2016 22:55

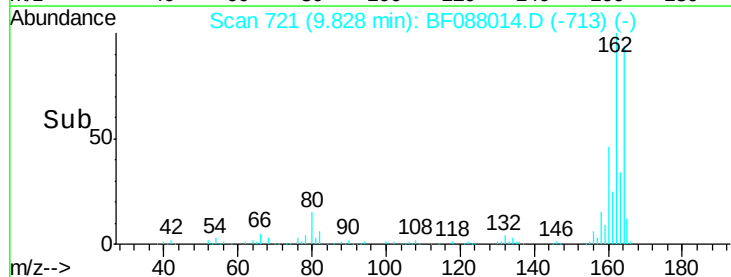
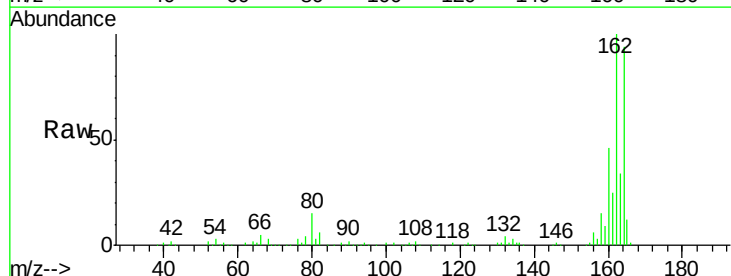
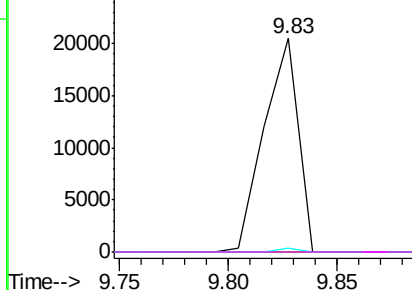
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	22.0	33.0#
89	1.9	41.1	61.7#
182	0.0	2.0	3.0#

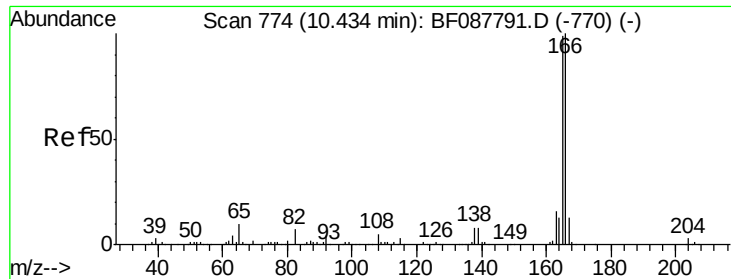
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: Below Cal

RT: 10.36 min Scan# 768

Delta R.T. -0.02 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

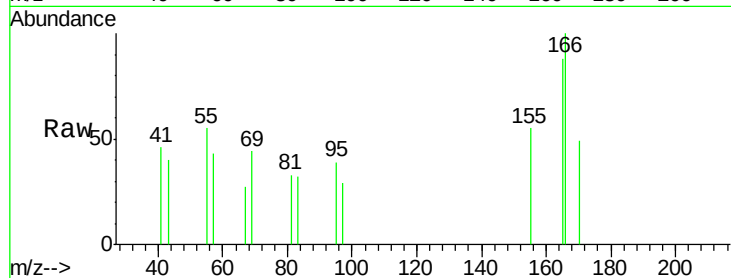
Tgt Ion:166 Resp: 1115

Ion Ratio Lower Upper

166 100

165 87.7 77.8 116.8

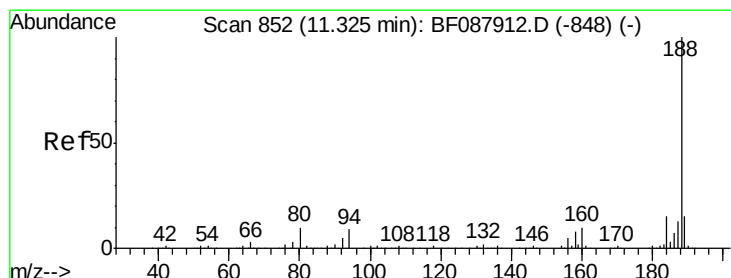
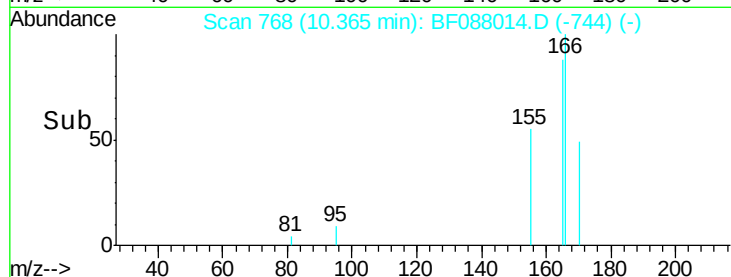
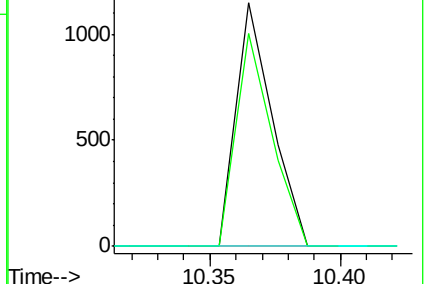
167 0.0 11.2 16.8#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

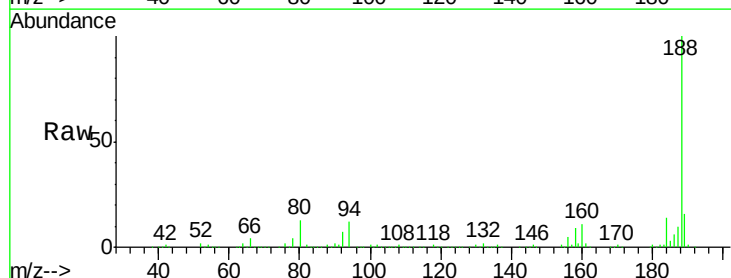
Tgt Ion:188 Resp: 269025

Ion Ratio Lower Upper

188 100

94 12.0 9.0 13.6

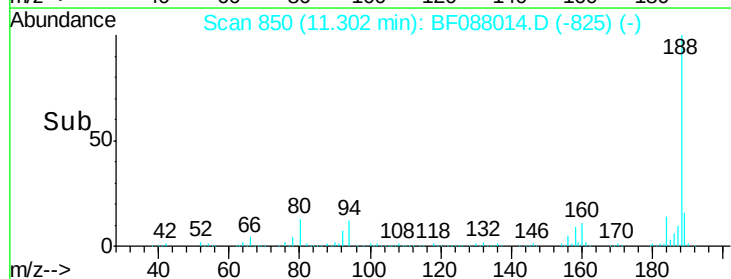
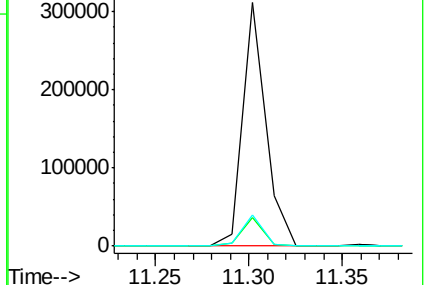
80 12.6 10.0 15.0

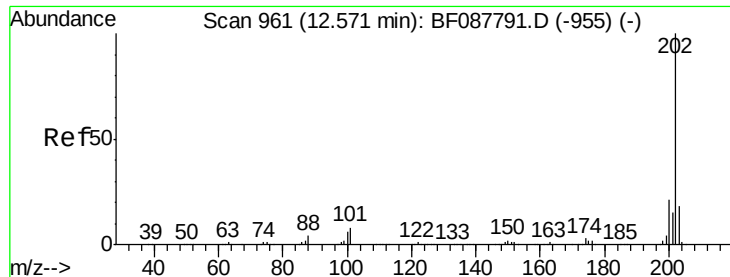


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

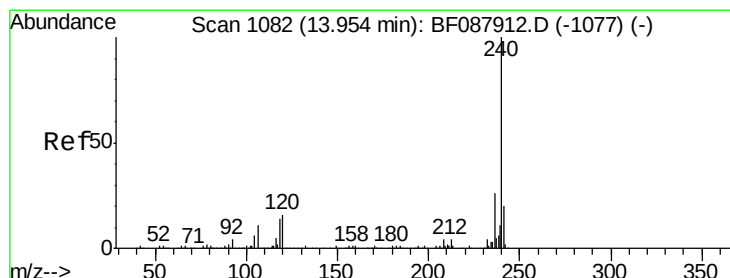
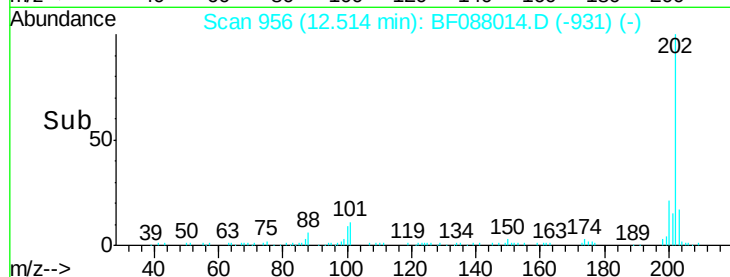
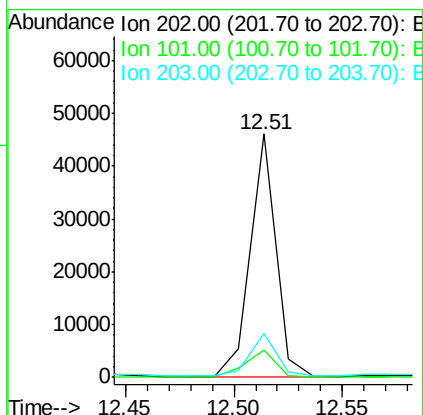
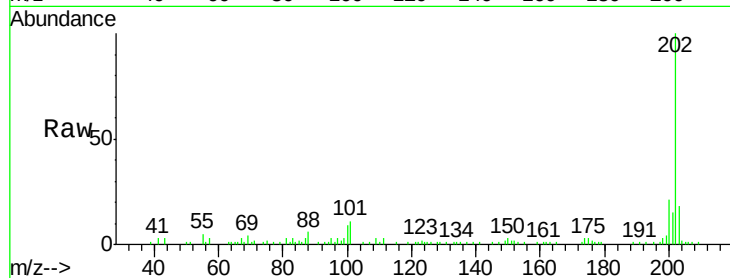




#74
 Fluoranthene
 Concen: 2.55 ng
 RT: 12.51 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF088014.D
 Acq: 14 Jun 2016 22:55

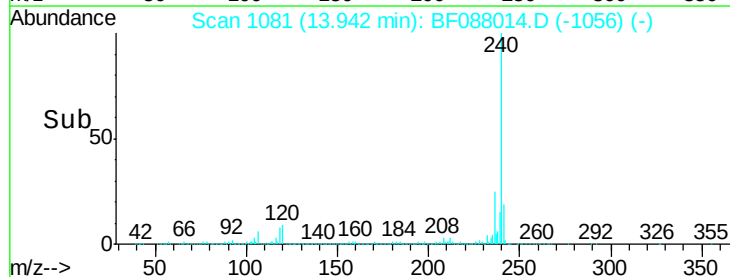
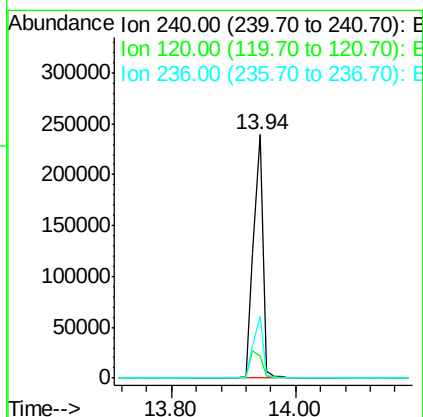
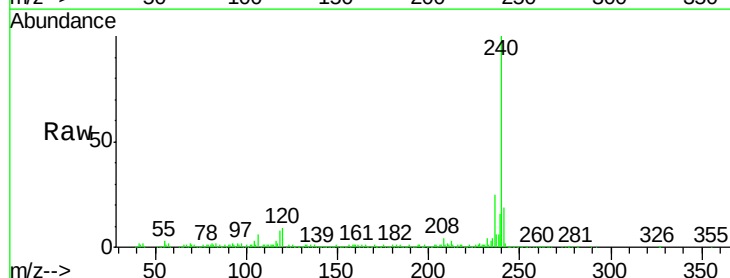
Instrument :
 BNA_F
 ClientSampleId :
 T6-B2(0-6)C

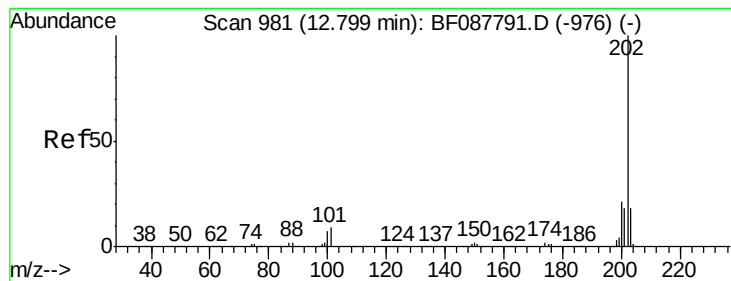
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	33.1
203	17.9	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.94 min Scan# 1081
 Delta R.T. -0.01 min
 Lab File: BF088014.D
 Acq: 14 Jun 2016 22:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	6.8	10.2
236	25.4	20.2	30.2





#77

Pyrene

Concen: 2.01 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.01 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C

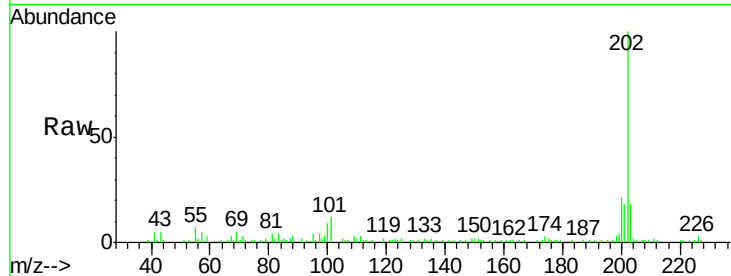
Tgt Ion:202 Resp: 38909

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

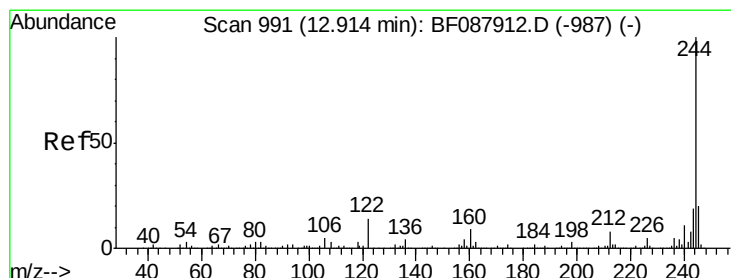
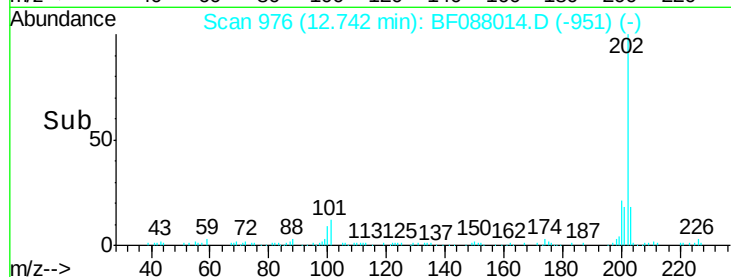
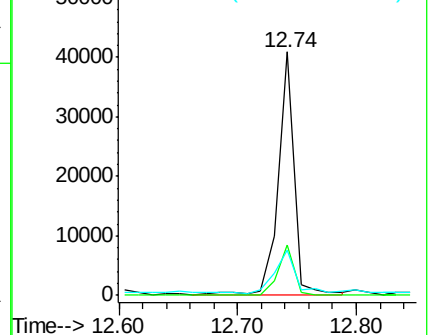
203 18.5 14.5 21.7



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: 11.63 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.01 min

Lab File: BF088014.D

Acq: 14 Jun 2016 22:55

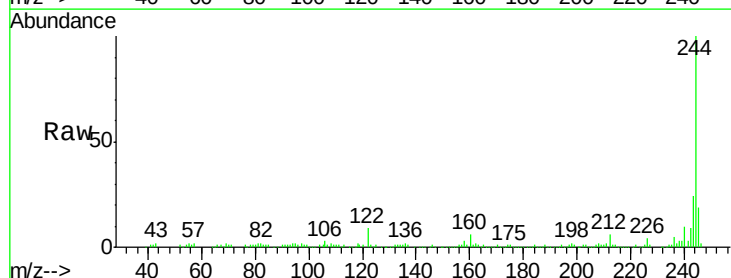
Tgt Ion:244 Resp: 133294

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

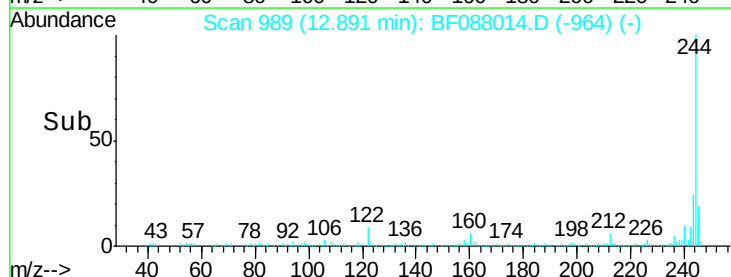
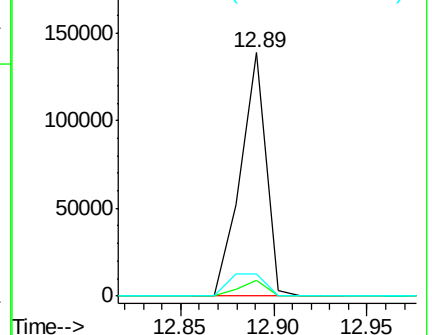
122 8.9 11.2 16.8#

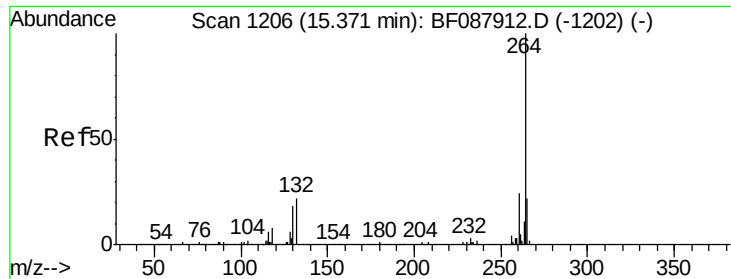


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

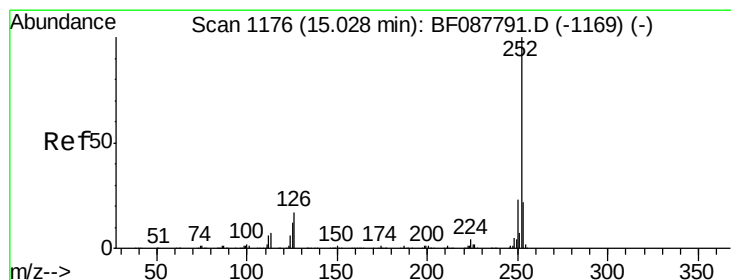
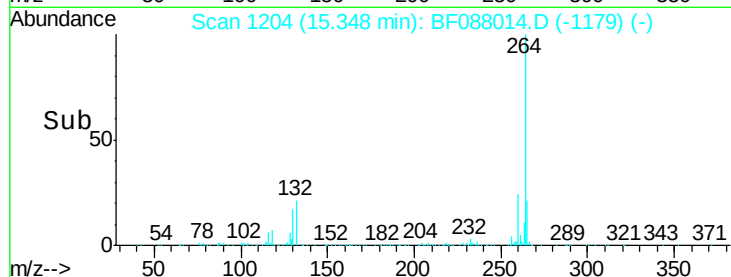
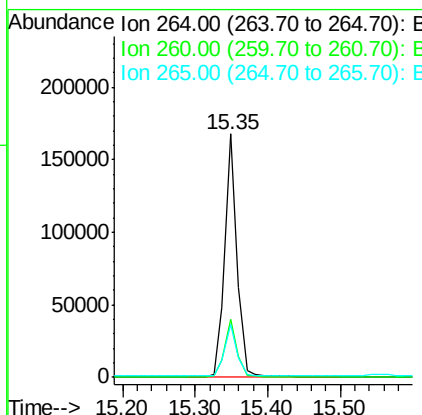
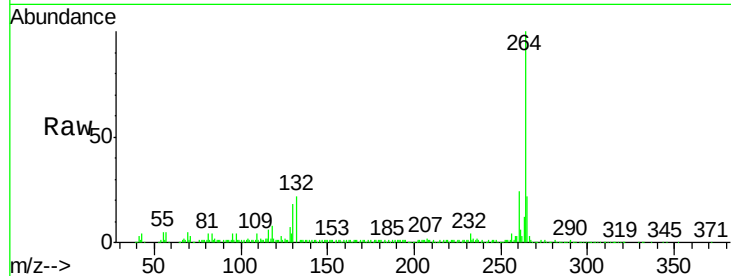




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF088014.D
Acq: 14 Jun 2016 22:55

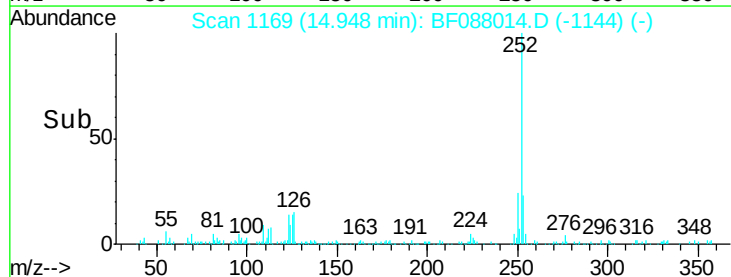
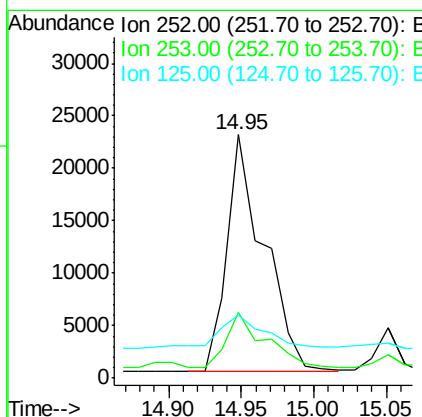
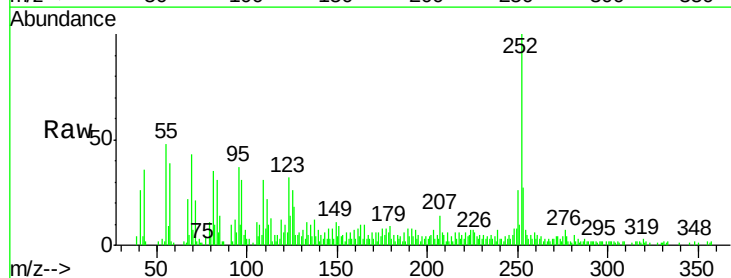
Instrument :
BNA_F
ClientSampleId :
T6-B2(0-6)C

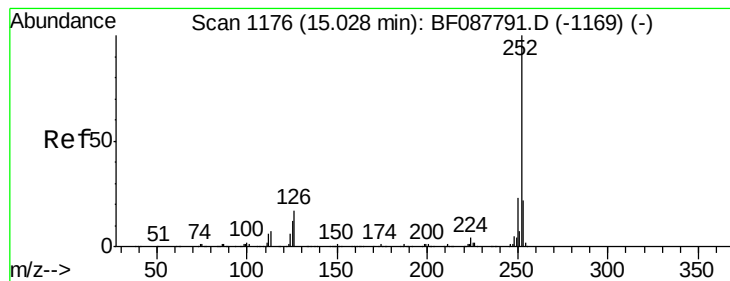
Tgt Ion:264 Resp: 197902
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.6 16.9 25.3



#87
Benzo(b)fluoranthene
Concen: 2.88 ng
RT: 14.95 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF088014.D
Acq: 14 Jun 2016 22:55

Tgt Ion:252 Resp: 39790
Ion Ratio Lower Upper
252 100
253 27.1 17.4 26.2#
125 25.7 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 3.82 ng

RT: 14.95 min Scan# 1169

Delta R.T. -0.03 min

Lab File: BF088014.D

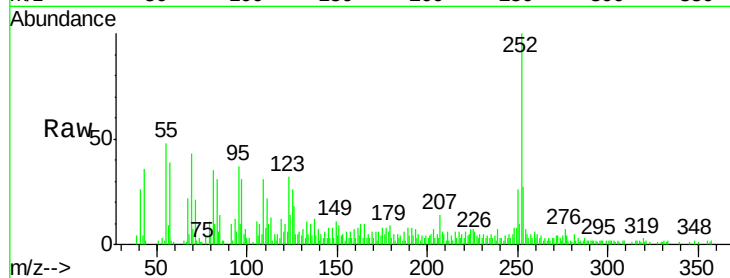
Acq: 14 Jun 2016 22:55

Instrument :

BNA_F

ClientSampleId :

T6-B2(0-6)C



Tgt Ion:	252	Resp:	39790
Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.0	27.0#
125	25.7	11.2	16.8#

