

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
 Data File : BF088695.D
 Acq On : 4 Jul 2016 15:01
 Operator : UM/SJ
 Sample : H3784-08
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D11-B1(0-6)C

Quant Time: Jul 05 00:51:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

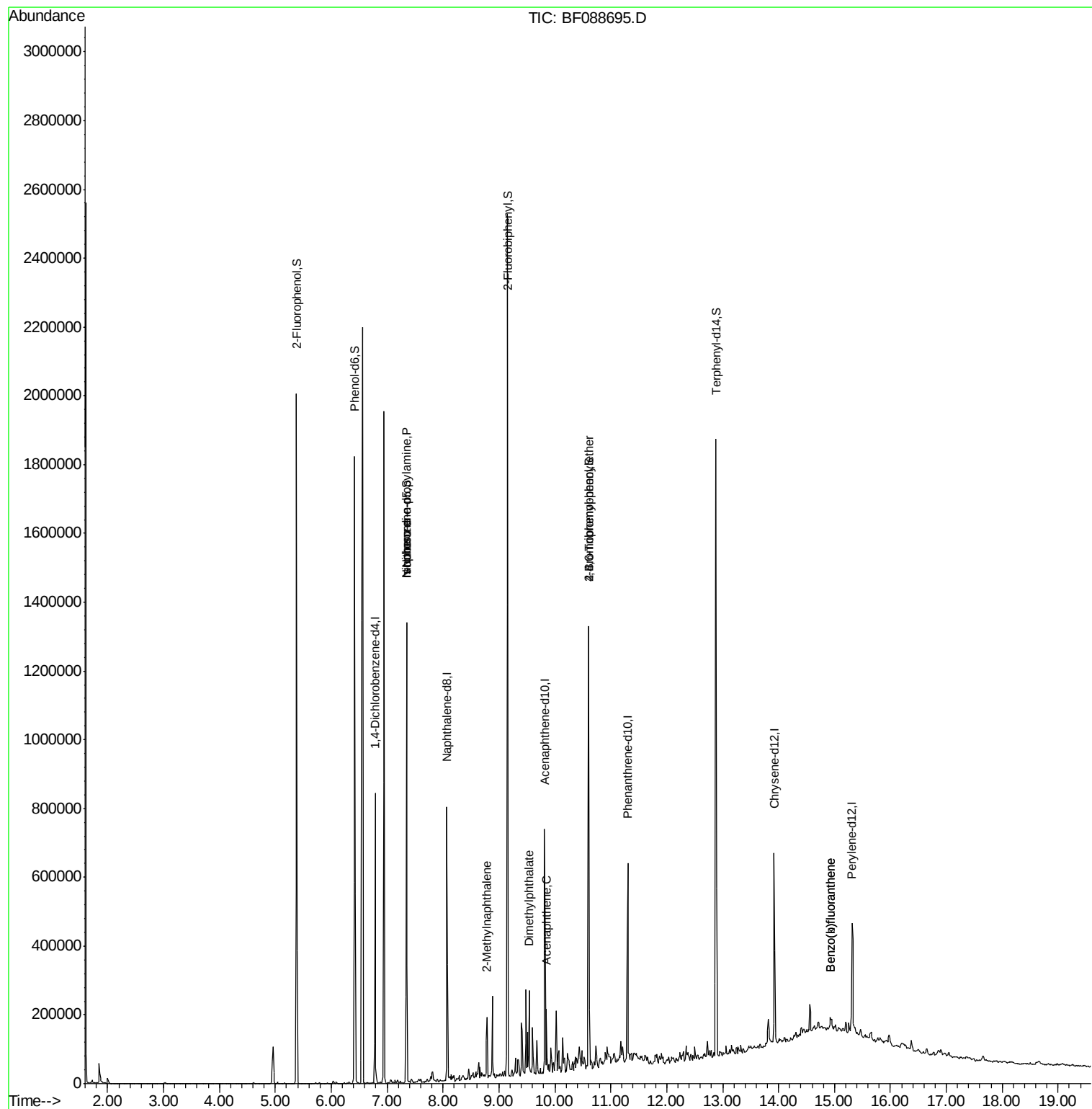
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	111800	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	386441	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	157187	20.00	ng	-0.03
63) Phenanthrene-d10	11.30	188	255205	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	194859	20.00	ng	-0.03
86) Perylene-d12	15.31	264	165418	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	591044	79.23	ng	-0.02
7) Phenol-d6	6.42	99	755737	78.40	ng	-0.02
23) Nitrobenzene-d5	7.35	82	463861	62.90	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	124825	85.52	ng	-0.03
44) 2-Fluorobiphenyl	9.15	172	909553	91.40	ng	-0.02
78) Terphenyl-d14	12.88	244	532087	60.82	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	63485	9.81	ng	# 74
25) Isophorone	7.35	82	403989	29.58	ng	# 65
37) 2-Methylnaphthalene	8.79	142	60109	4.90	ng	98
49) Dimethylphthalate	9.54	163	89669	8.01	ng	98
51) Acenaphthene	9.85	154	34025	3.41	ng	98
66) 4-Bromophenyl-phenylether	10.60	248	9020	3.51	ng	# 1
87) Benzo(b)fluoranthene	14.93	252	21131	2.04	ng	# 80
88) Benzo(k)fluoranthene	14.93	252	21131	2.34	ng	# 85

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

Instrument :

BNA_F

ClientSampleId :

D11-B1(0-6)C

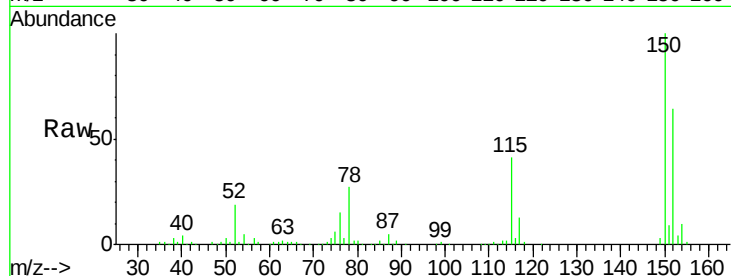
Tgt Ion:152 Resp: 111800

Ion Ratio Lower Upper

152 100

150 155.5 123.8 185.6

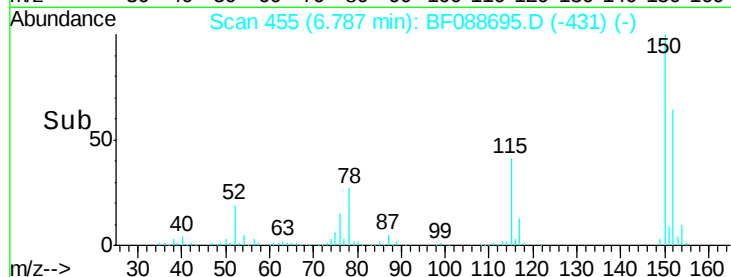
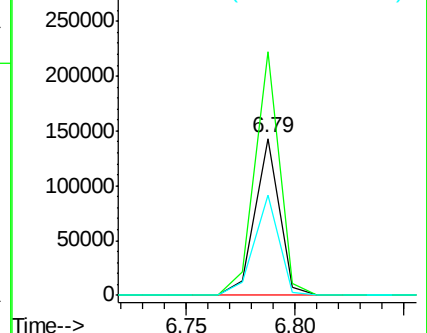
115 64.3 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 79.23 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

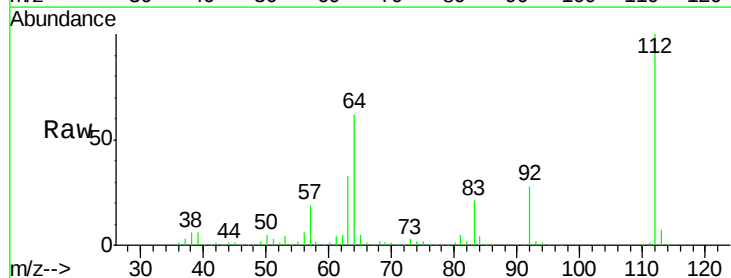
Tgt Ion:112 Resp: 591044

Ion Ratio Lower Upper

112 100

64 61.8 42.2 63.2

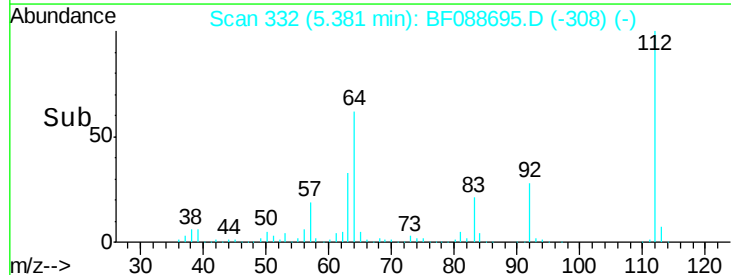
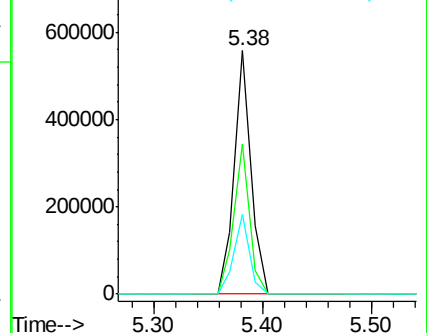
63 32.5 21.8 32.8



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: 78.40 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

Instrument :

BNA_F

ClientSampleId :

D11-B1(0-6)C

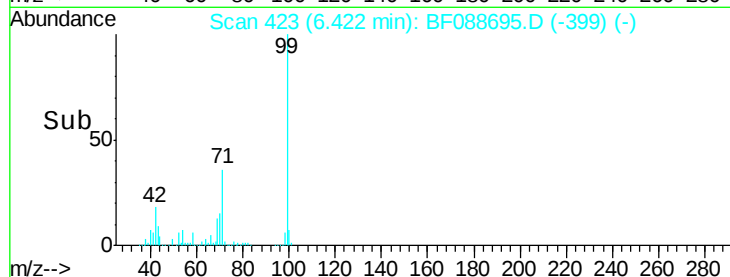
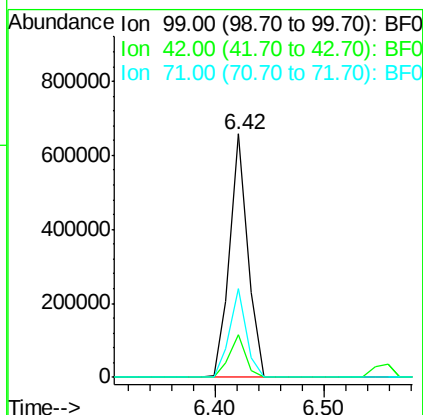
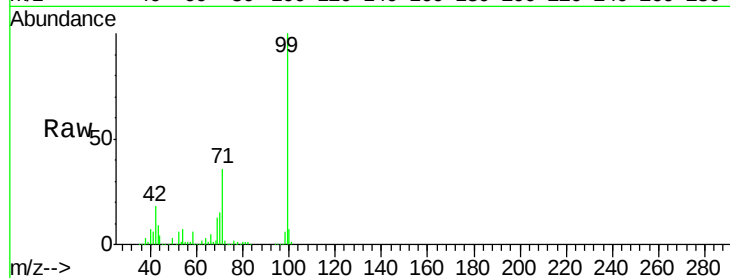
Tgt Ion: 99 Resp: 755737

Ion Ratio Lower Upper

99 100

42 17.7 12.2 18.2

71 36.3 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 9.81 ng

RT: 7.35 min Scan# 504

Delta R.T. 0.11 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

Tgt Ion: 70 Resp: 63485

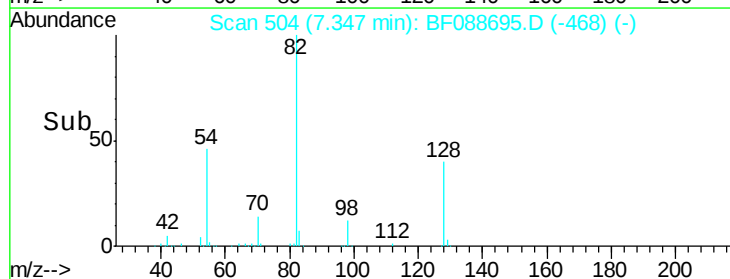
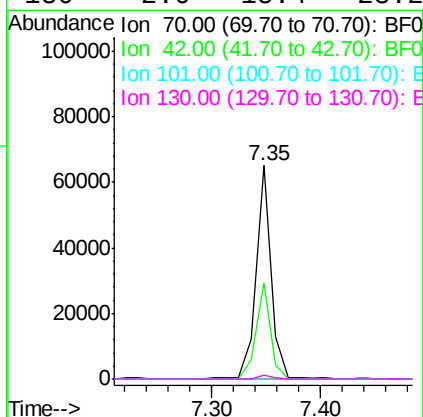
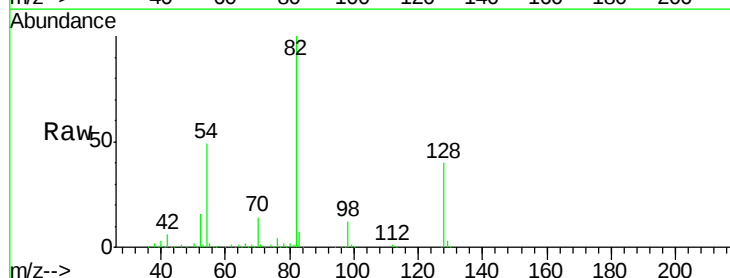
Ion Ratio Lower Upper

70 100

42 44.8 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 567

Delta R.T. -0.03 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

Instrument :

BNA_F

ClientSampleId :

D11-B1(0-6)C

Tgt Ion:136 Resp: 386441

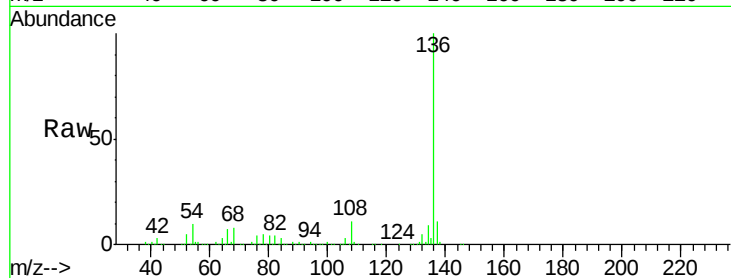
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.8 6.6 10.0

68 8.1 5.1 7.7#

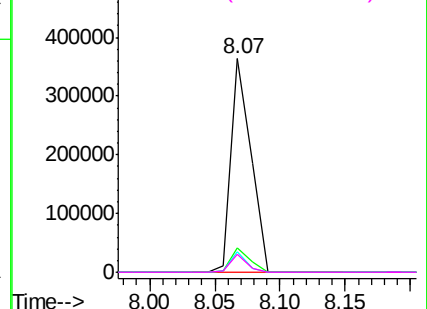
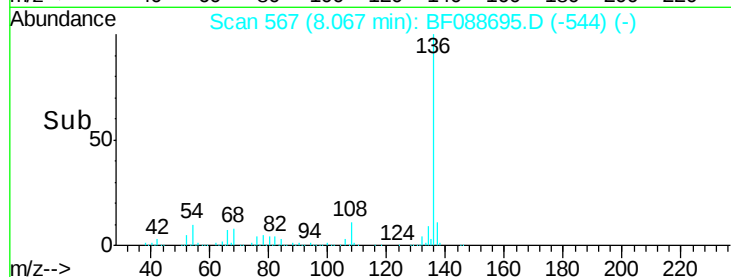


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.90 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.03 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

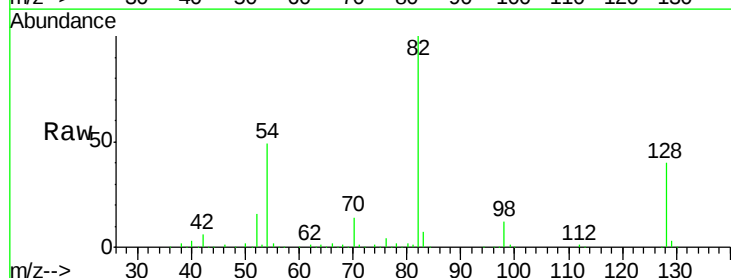
Tgt Ion: 82 Resp: 463861

Ion Ratio Lower Upper

82 100

128 40.2 35.9 53.9

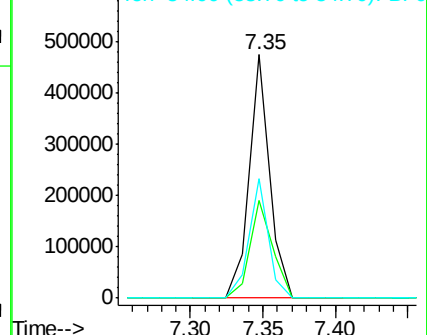
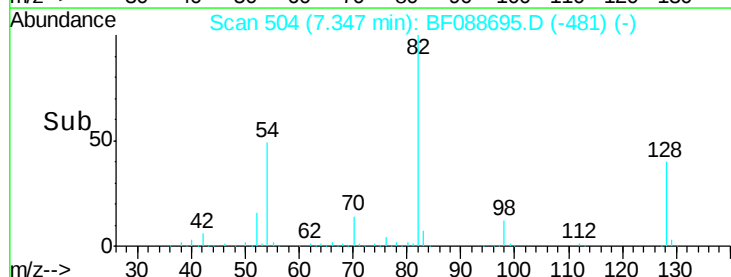
54 48.9 40.9 61.3

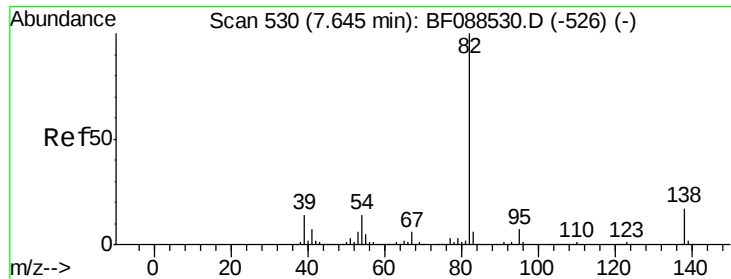


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 29.58 ng

RT: 7.35 min Scan# 504

Delta R.T. -0.30 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

Instrument :

BNA_F

ClientSampleId :

D11-B1(0-6)C

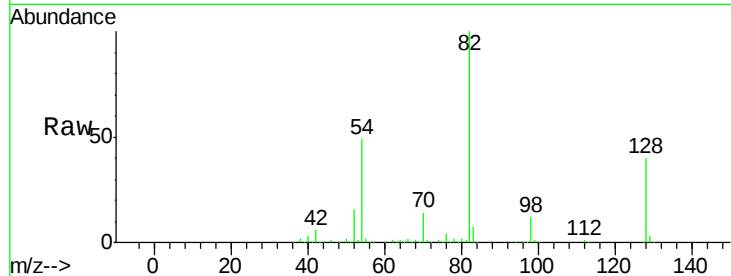
Tgt Ion: 82 Resp: 403989

Ion Ratio Lower Upper

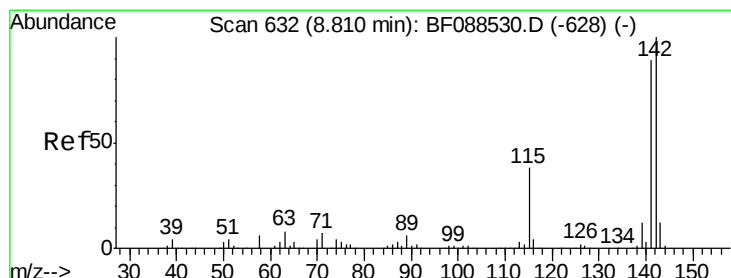
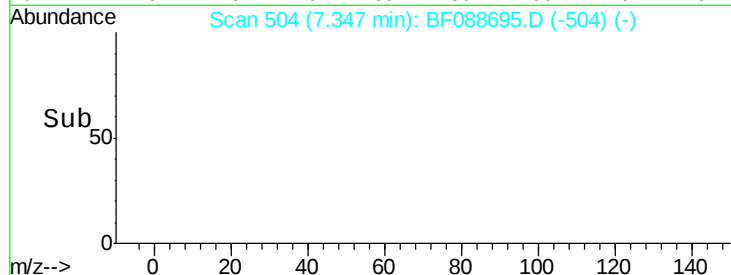
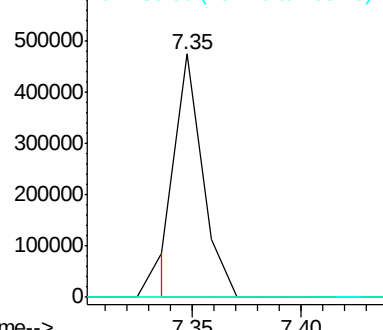
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#37

2-Methylnaphthalene

Concen: 4.90 ng

RT: 8.79 min Scan# 630

Delta R.T. -0.02 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

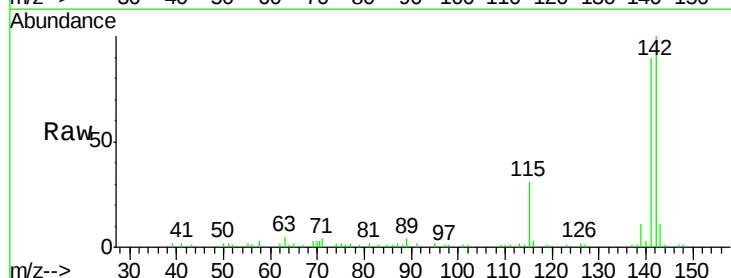
Tgt Ion: 142 Resp: 60109

Ion Ratio Lower Upper

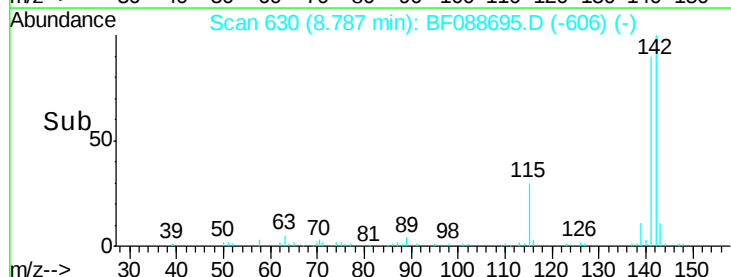
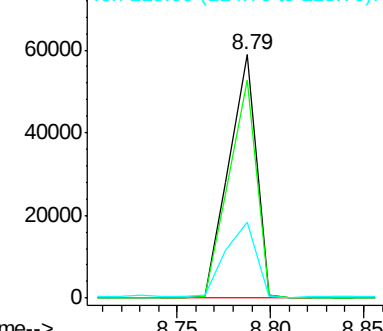
142 100

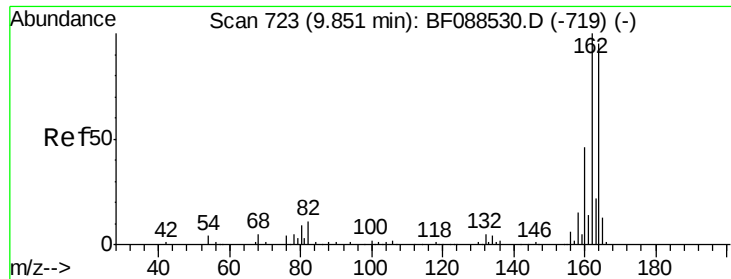
141 89.7 71.0 106.6

115 31.1 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: 9.82 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

Instrument :

BNA_F

ClientSampleId :

D11-B1(0-6)C

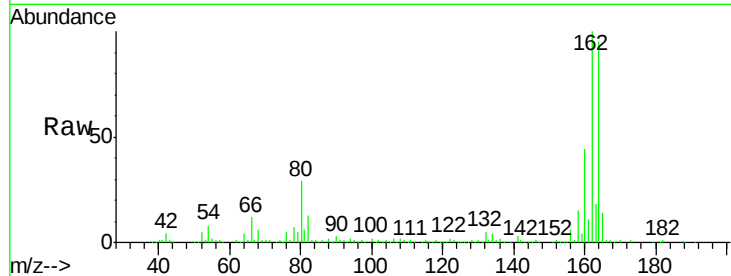
Tgt Ion:164 Resp: 157187

Ion Ratio Lower Upper

164 100

162 104.7 85.4 128.2

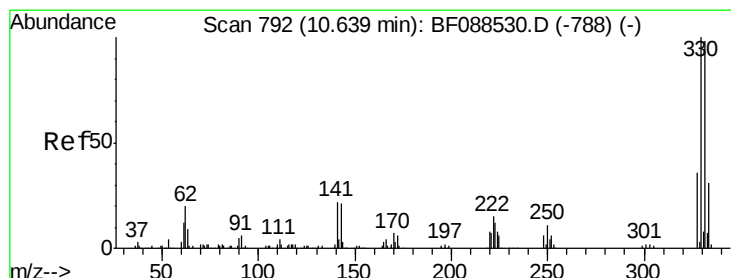
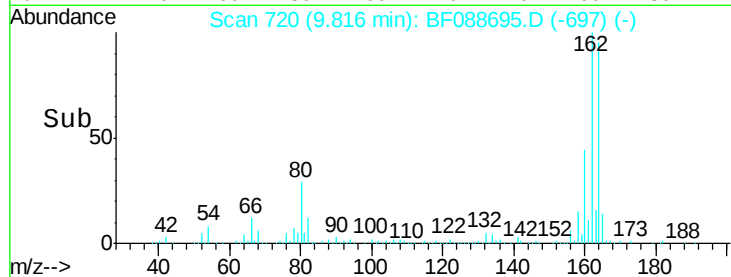
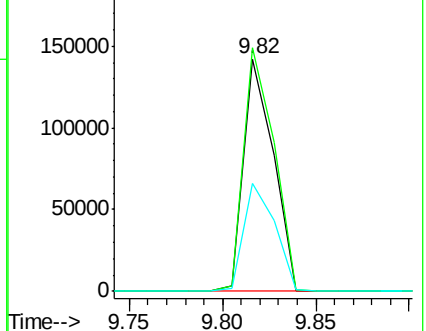
160 46.3 39.5 59.3



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: 85.52 ng

RT: 10.60 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF088695.D

Acq: 4 Jul 2016 15:01

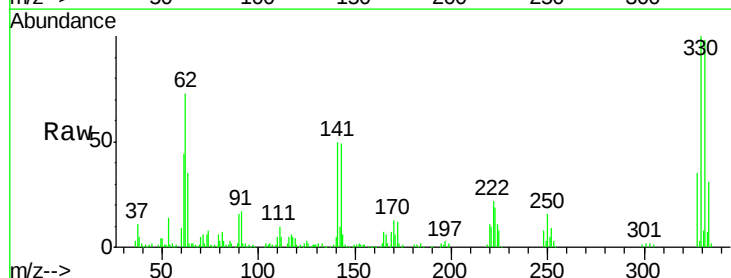
Tgt Ion:330 Resp: 124825

Ion Ratio Lower Upper

330 100

332 97.4 0.0 0.0#

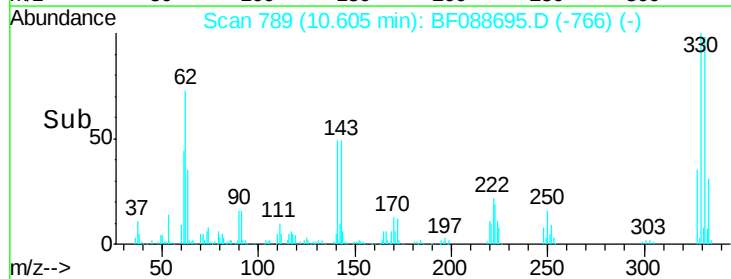
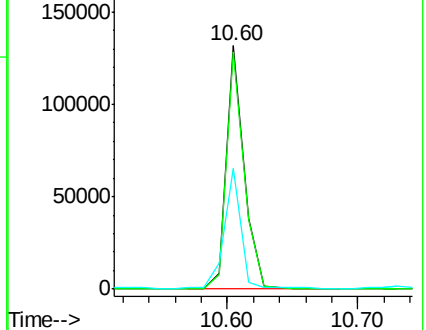
141 46.0 0.0 0.0#

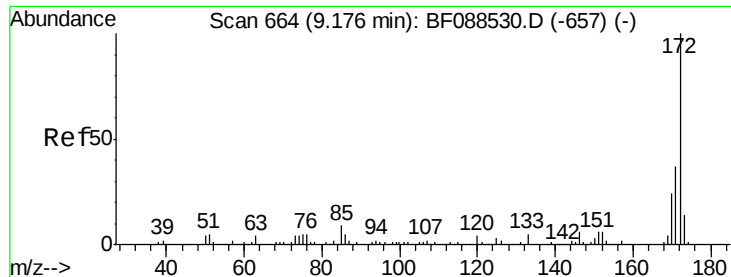


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

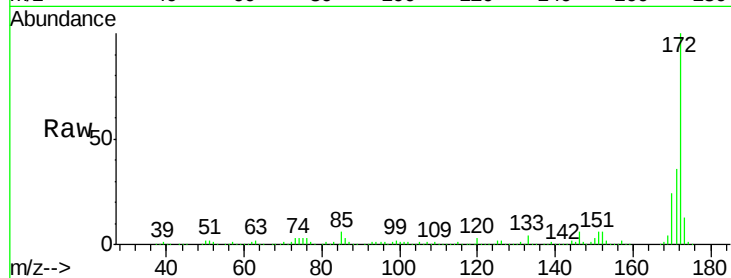




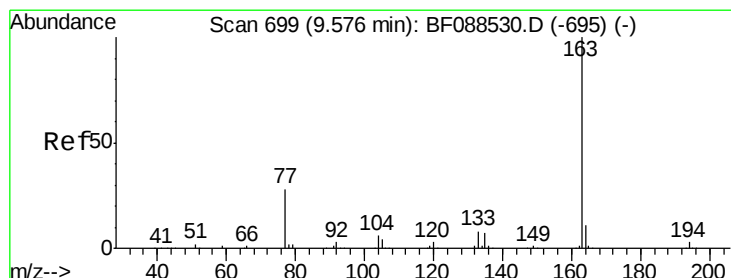
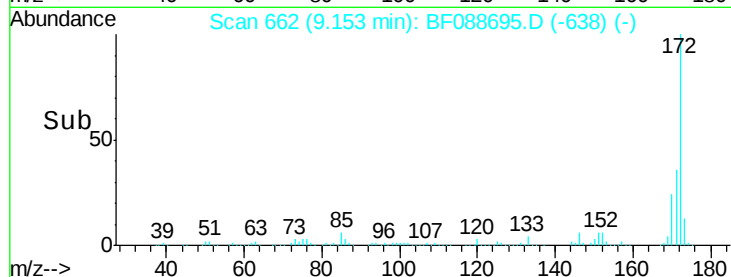
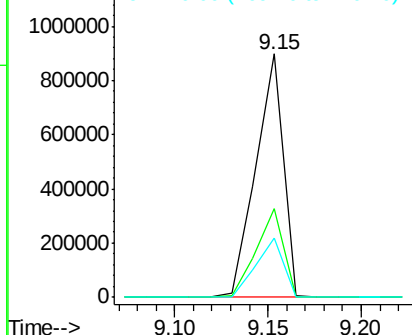
#44
 2-Fluorobiphenyl
 Concen: 91.40 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF088695.D
 Acq: 4 Jul 2016 15:01

Instrument :
 BNA_F
 ClientSampleId :
 D11-B1(0-6)C

Tgt Ion:172 Resp: 909553
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.6 43.0
 170 24.2 19.2 28.8

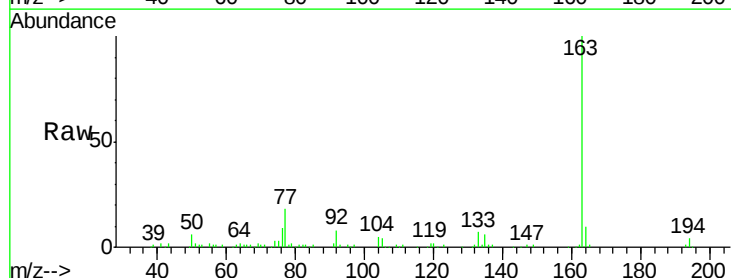


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

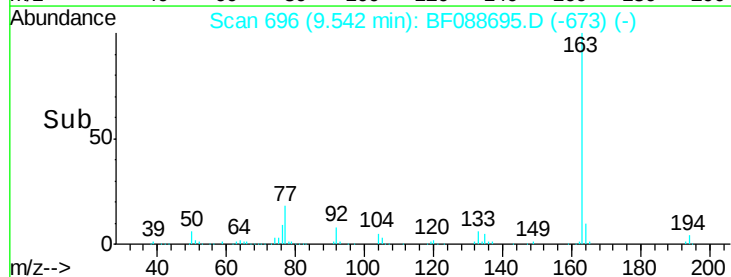
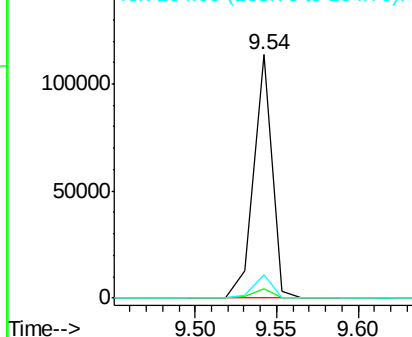


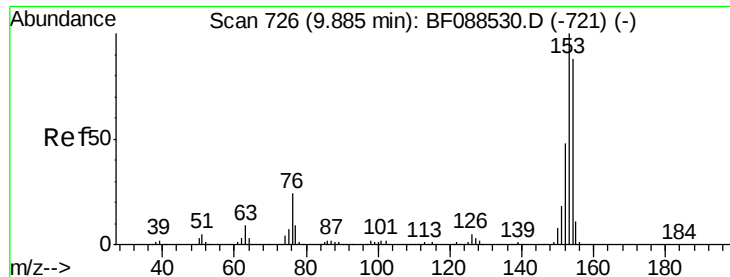
#49
 Dimethylphthalate
 Concen: 8.01 ng
 RT: 9.54 min Scan# 696
 Delta R.T. -0.03 min
 Lab File: BF088695.D
 Acq: 4 Jul 2016 15:01

Tgt Ion:163 Resp: 89669
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.8 4.2
 164 9.7 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

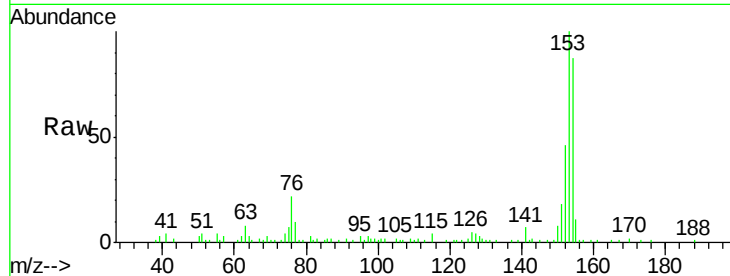




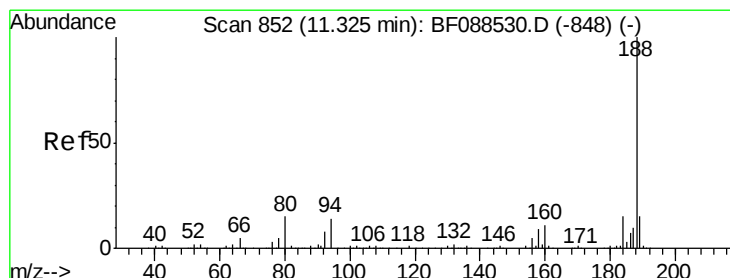
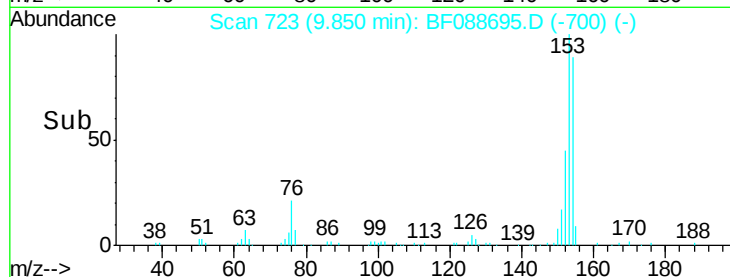
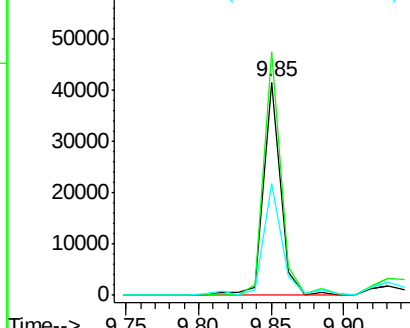
#51
Acenaphthene
Concen: 3.41 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF088695.D
Acq: 4 Jul 2016 15:01

Instrument :
BNA_F
ClientSampleId :
D11-B1(0-6)C

Tgt Ion:154 Resp: 34025
Ion Ratio Lower Upper
154 100
153 114.3 89.5 134.3
152 52.7 42.7 64.1

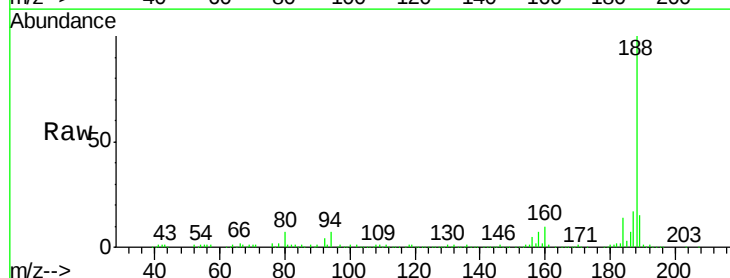


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

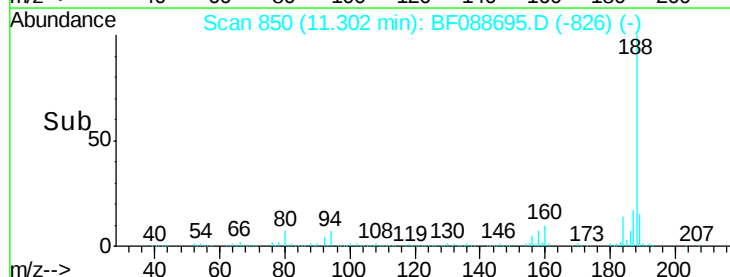
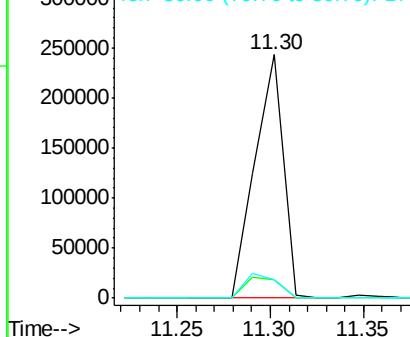


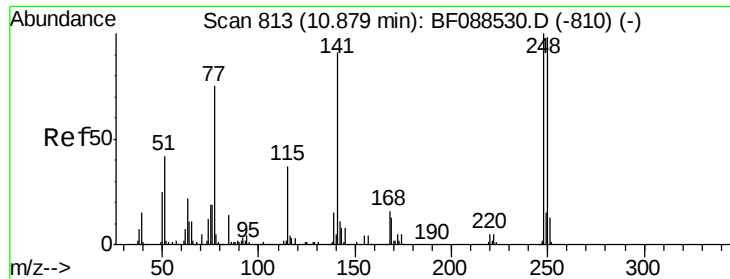
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 850
Delta R.T. -0.02 min
Lab File: BF088695.D
Acq: 4 Jul 2016 15:01

Tgt Ion:188 Resp: 255205
Ion Ratio Lower Upper
188 100
94 7.3 9.0 13.6#
80 7.4 10.0 15.0#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

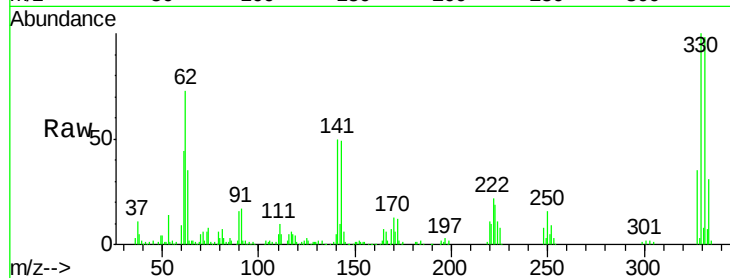




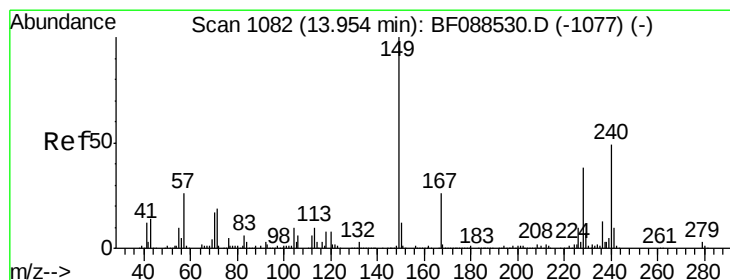
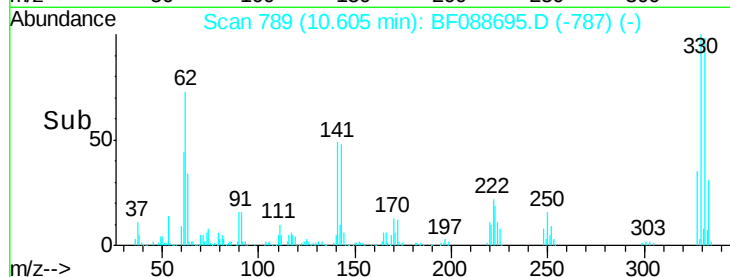
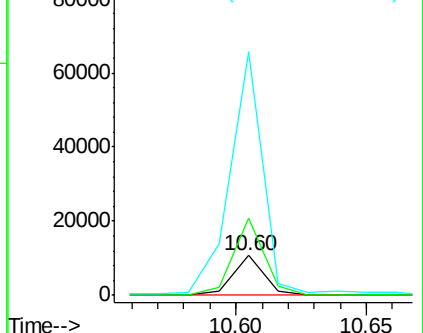
#66
 4-Bromophenyl-phenylether
 Concen: 3.51 ng
 RT: 10.60 min Scan# 789
 Delta R.T. -0.27 min
 Lab File: BF088695.D
 Acq: 4 Jul 2016 15:01

Instrument :
 BNA_F
 ClientSampleId :
 D11-B1(0-6)C

Tgt Ion:248 Resp: 9020
 Ion Ratio Lower Upper
 248 100
 250 192.9 77.1 115.7#
 141 613.2 50.6 76.0#

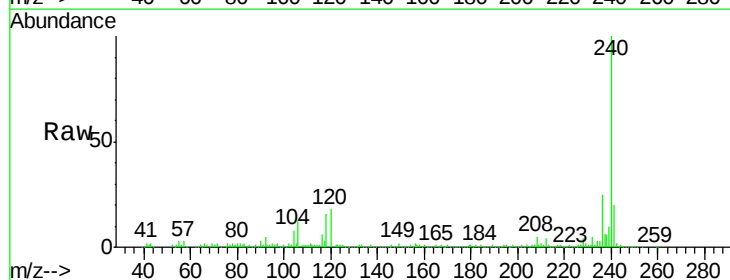


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

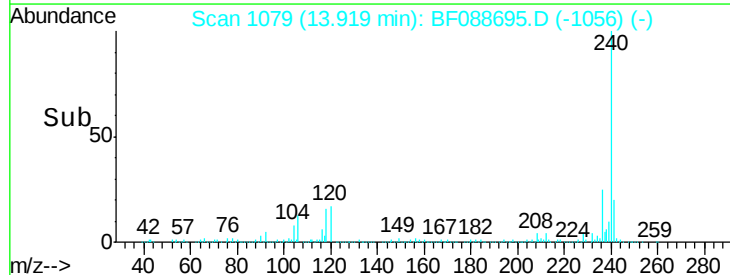
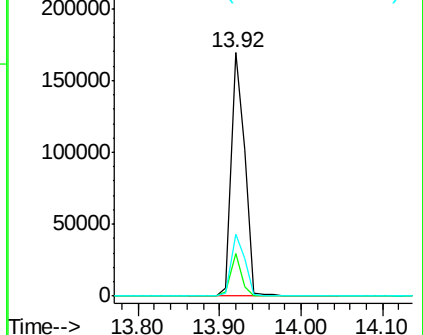


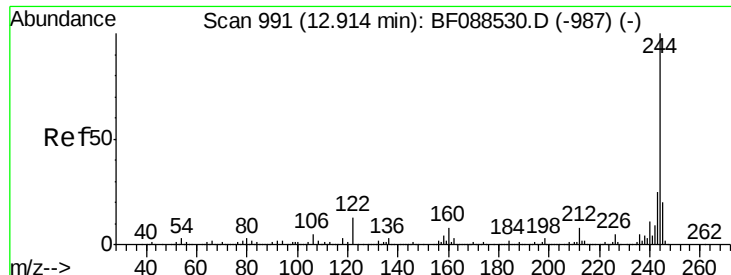
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.92 min Scan# 1079
 Delta R.T. -0.03 min
 Lab File: BF088695.D
 Acq: 4 Jul 2016 15:01

Tgt Ion:240 Resp: 194859
 Ion Ratio Lower Upper
 240 100
 120 17.7 6.8 10.2#
 236 25.4 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

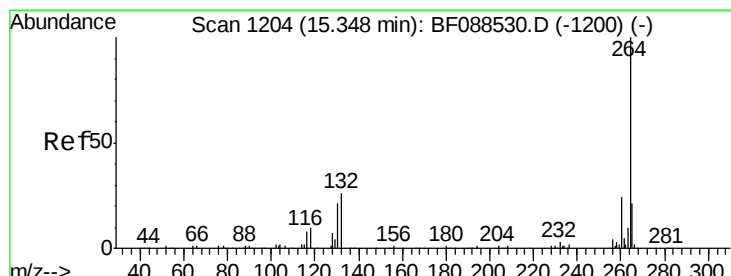
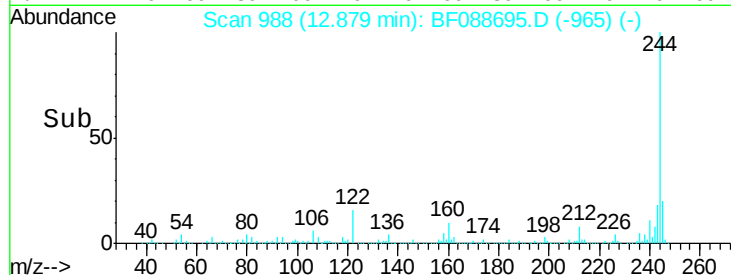
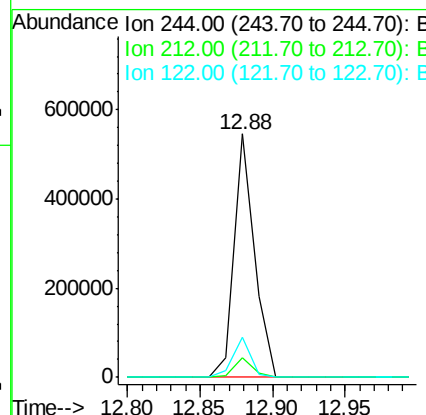
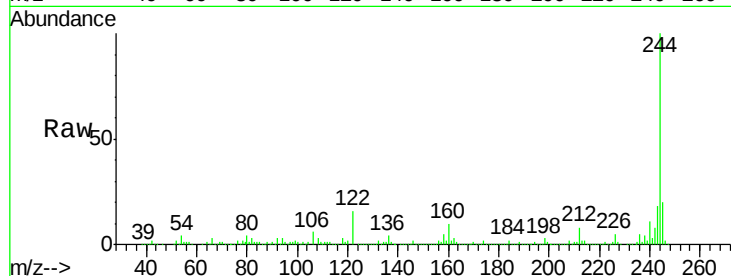




#78
 Terphenyl-d14
 Concen: 60.82 ng
 RT: 12.88 min Scan# 988
 Delta R.T. -0.03 min
 Lab File: BF088695.D
 Acq: 4 Jul 2016 15:01

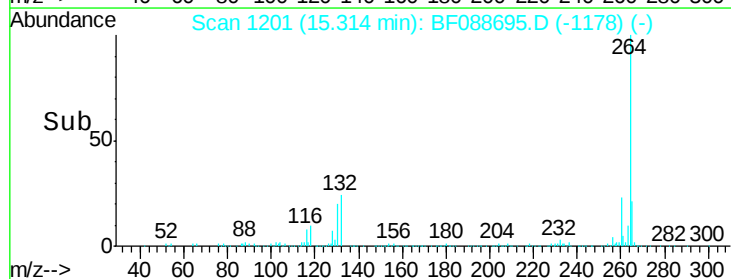
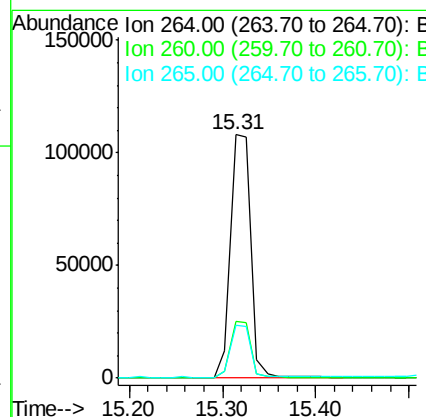
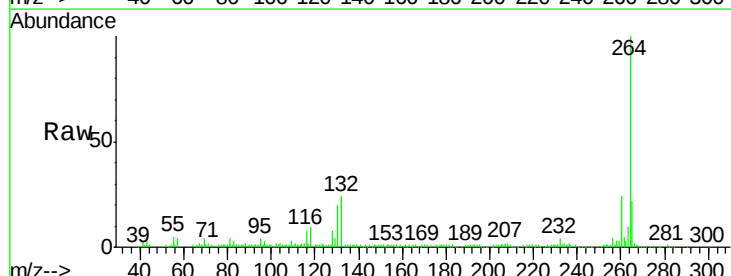
Instrument :
 BNA_F
 ClientSampleId :
 D11-B1(0-6)C

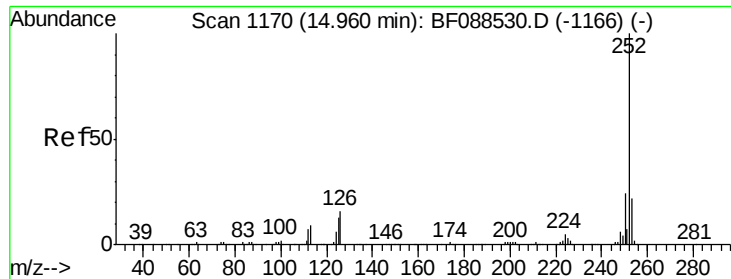
Tgt Ion:244 Resp: 532087
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 16.4 11.2 16.8



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1201
 Delta R.T. -0.03 min
 Lab File: BF088695.D
 Acq: 4 Jul 2016 15:01

Tgt Ion:264 Resp: 165418
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.8 16.9 25.3

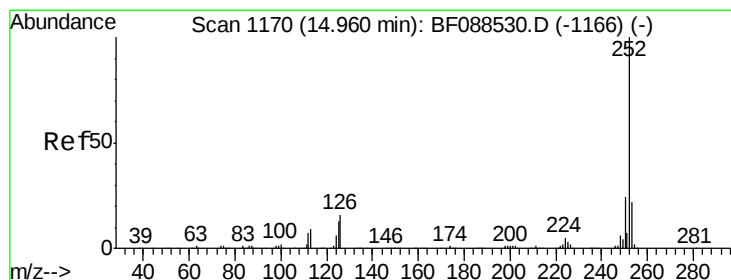
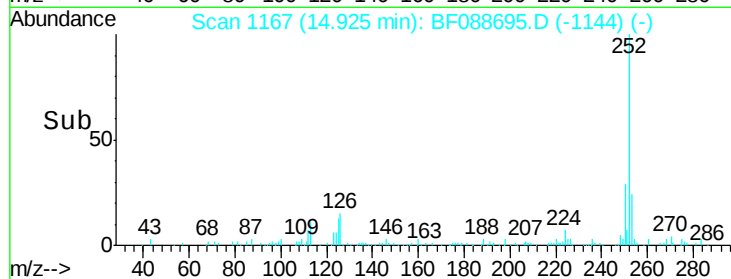
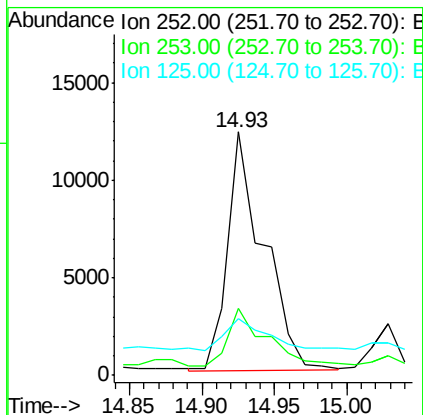
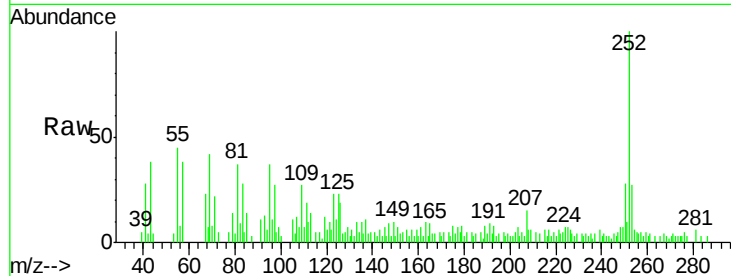




#87
Benzo(b)fluoranthene
Concen: 2.04 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF088695.D
Acq: 4 Jul 2016 15:01

Instrument :
BNA_F
ClientSampleId :
D11-B1(0-6)C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.4	26.2#
125	23.1	7.1	10.7#



#88
Benzo(k)fluoranthene
Concen: 2.34 ng
RT: 14.93 min Scan# 1167
Delta R.T. -0.06 min
Lab File: BF088695.D
Acq: 4 Jul 2016 15:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.0	27.0#
125	23.1	11.2	16.8#

