

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088913.D
 Acq On : 11 Jul 2016 21:51
 Operator : UM/SJ
 Sample : H3921-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N8-B6(0-2)C

Quant Time: Jul 12 02:06:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	60052	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	246996	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	95803	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	159936	20.00	ng	0.00
75) Chrysene-d12	13.84	240	130070	20.00	ng	-0.01
86) Perylene-d12	15.21	264	111507	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	449183	112.10	ng	0.02
7) Phenol-d6	6.35	99	504281	97.40	ng	0.00
23) Nitrobenzene-d5	7.28	82	357760	75.91	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	98585	110.82	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	513587	84.68	ng	0.00
78) Terphenyl-d14	12.80	244	387742	66.40	ng	0.00

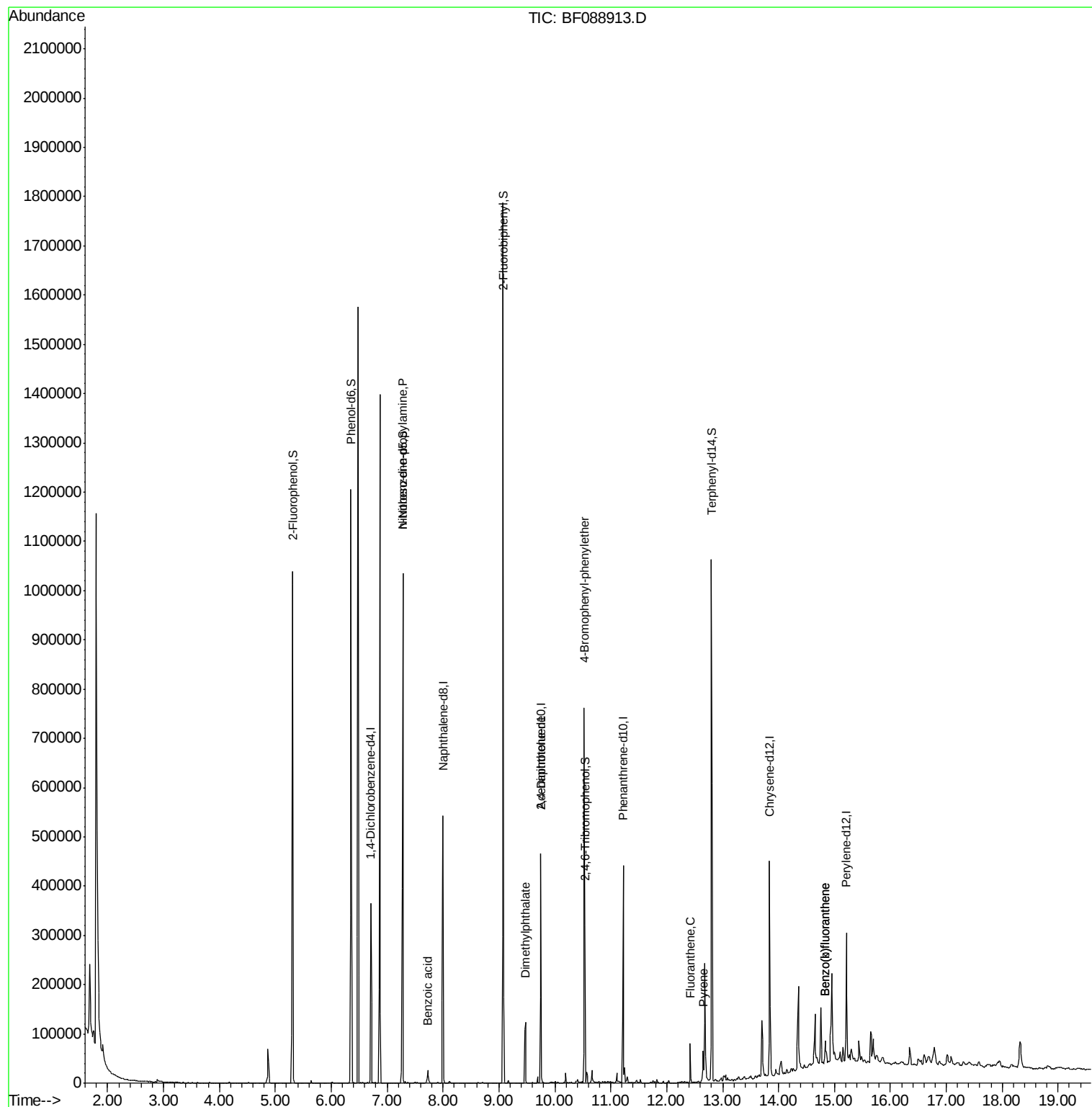
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	48101	13.83	ng	# 71
32) Benzoic acid	7.72	122	6934	2.35	ng	# 78
49) Dimethylphthalate	9.47	163	76208	11.17	ng	98
56) 2,4-Dinitrotoluene	9.75	165	12250	6.19	ng	# 36
66) 4-Bromophenyl-phenylether	10.52	248	6259	3.88	ng	# 1
74) Fluoranthene	12.42	202	29949	3.38	ng	99
77) Pyrene	12.65	202	24679	2.24	ng	98
87) Benzo(b)fluoranthene	14.83	252	25260	3.61	ng	# 94
88) Benzo(k)fluoranthene	14.83	252	25260	4.15	ng	98

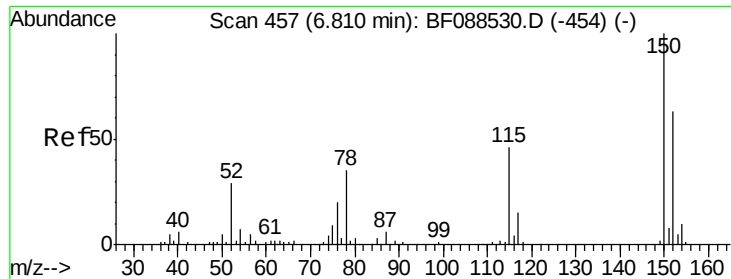
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. 0.00 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

Instrument :

BNA_F

ClientSampleId :

N8-B6(0-2)C

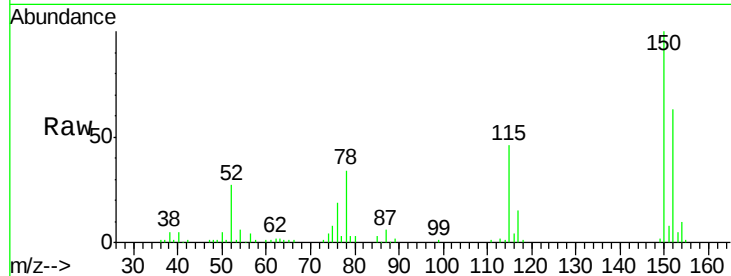
Tgt Ion:152 Resp: 60052

Ion Ratio Lower Upper

152 100

150 160.0 123.8 185.6

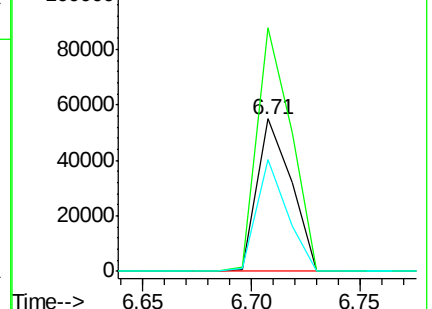
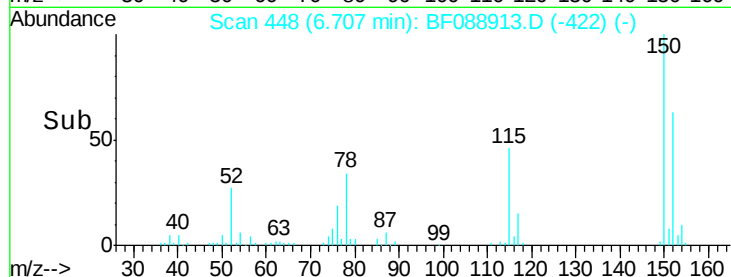
115 73.6 39.6 59.4#



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: 112.10 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

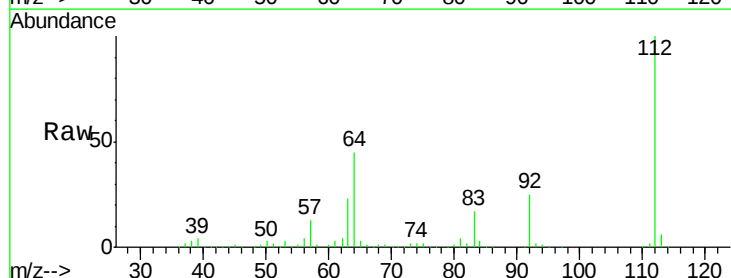
Tgt Ion:112 Resp: 449183

Ion Ratio Lower Upper

112 100

64 45.0 42.2 63.2

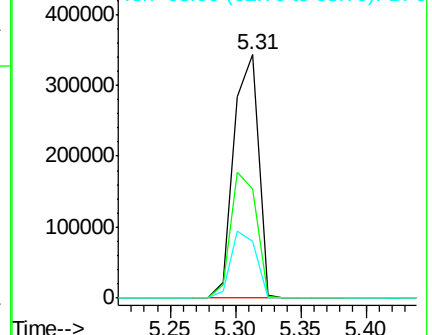
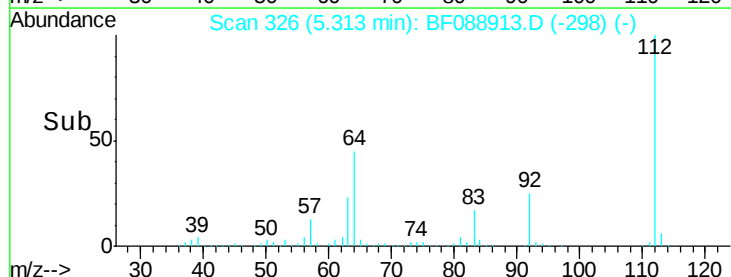
63 23.4 21.8 32.8

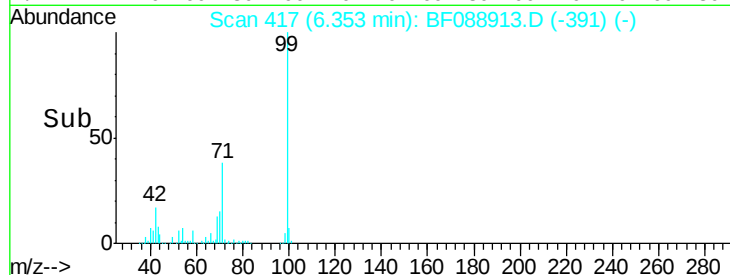
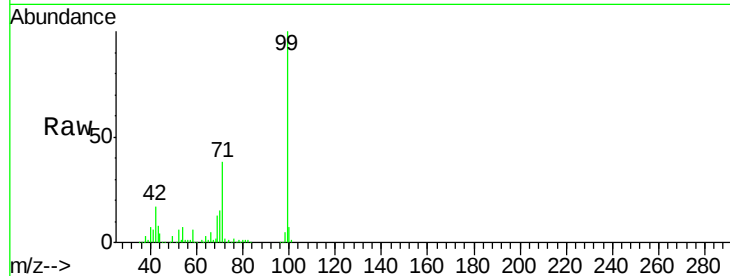


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.40 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

Instrument :

BNA_F

ClientSampleId :

N8-B6(0-2)C

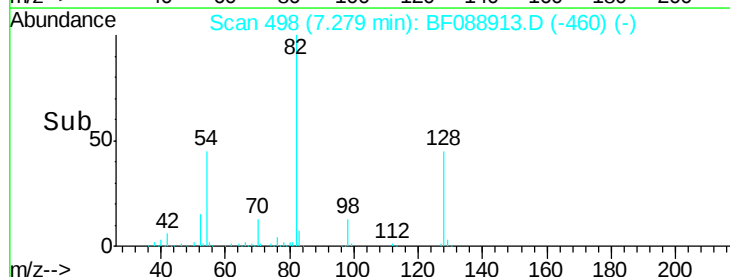
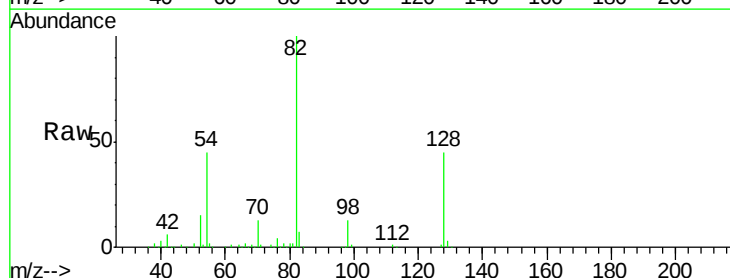
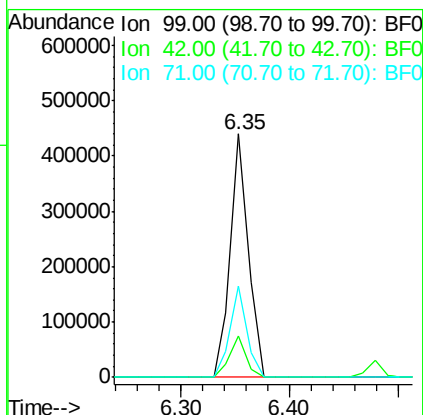
Tgt Ion: 99 Resp: 504281

Ion Ratio Lower Upper

99 100

42 17.1 12.2 18.2

71 37.5 23.4 35.0#



#19

n-Nitroso-di-n-propylamine

Concen: 13.83 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

Tgt Ion: 70 Resp: 48101

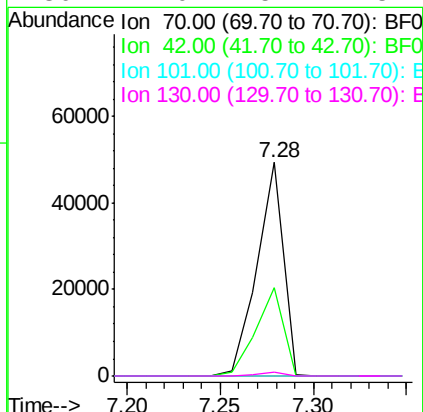
Ion Ratio Lower Upper

70 100

42 41.4 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: 8.00 min Scan# 561

Delta R.T. 0.00 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

Instrument :

BNA_F

ClientSampleId :

N8-B6(0-2)C

Tgt Ion: 136 Resp: 246996

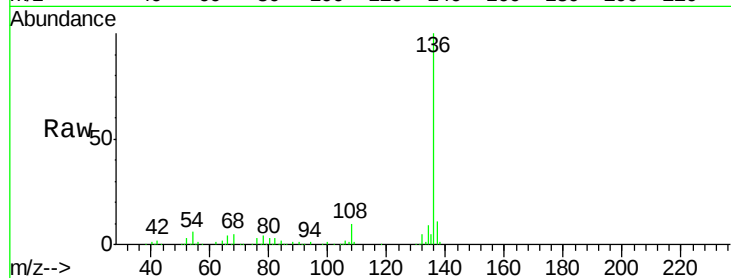
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 5.9 6.6 10.0#

68 5.0 5.1 7.7#

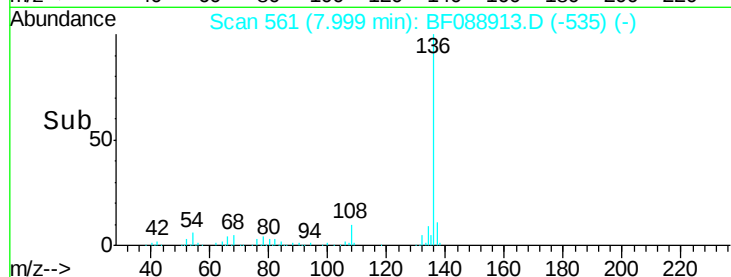


Abundance Ion 136.00 (135.70 to 136.70): E

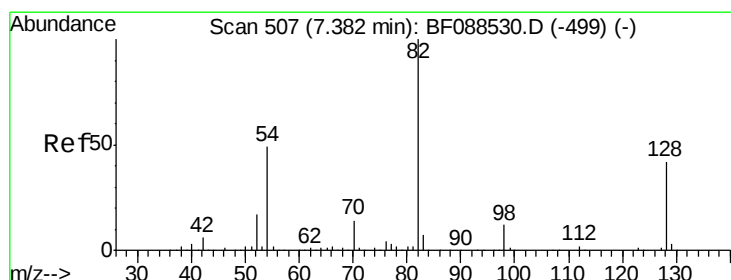
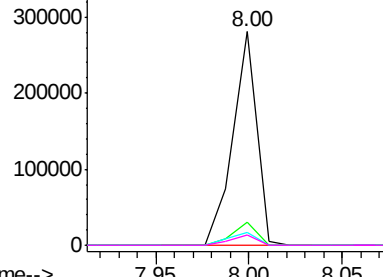
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 75.91 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

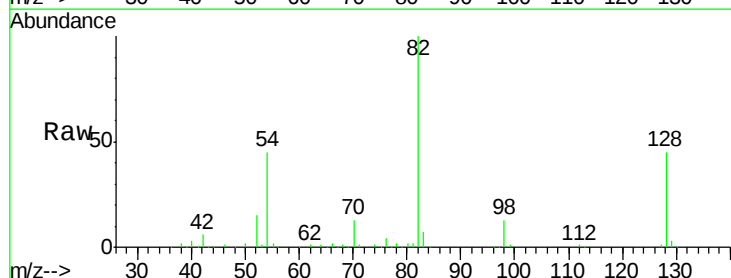
Tgt Ion: 82 Resp: 357760

Ion Ratio Lower Upper

82 100

128 45.1 35.9 53.9

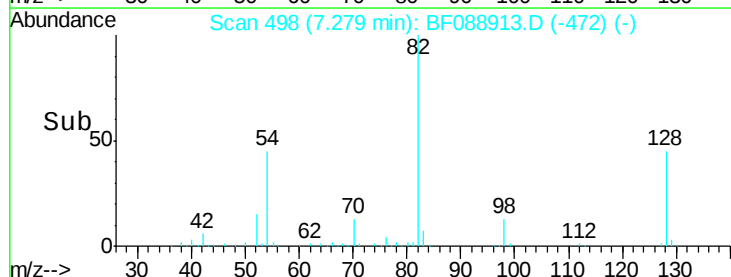
54 44.9 40.9 61.3



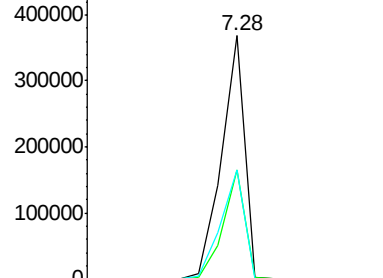
Abundance Ion 82.00 (81.70 to 82.70): BF0

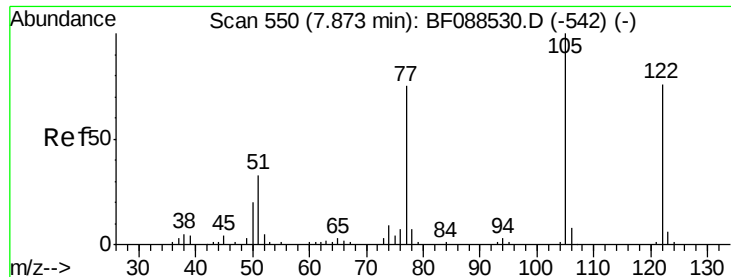
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#32

Benzoic acid

Concen: 2.35 ng

RT: 7.72 min Scan# 537

Delta R.T. -0.08 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

Instrument :

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ClientSampleId :

N8-B6(0-2)C

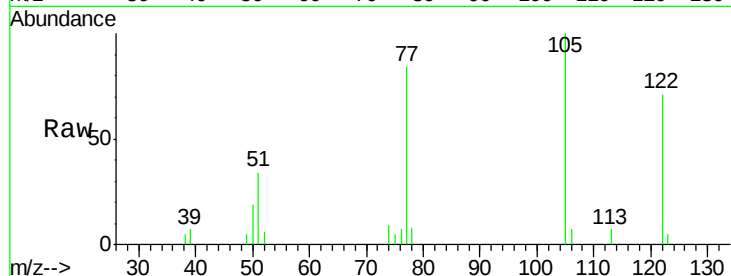
Tgt Ion:122 Resp: 6934

Ion Ratio Lower Upper

122 100

105 140.8 101.6 141.6

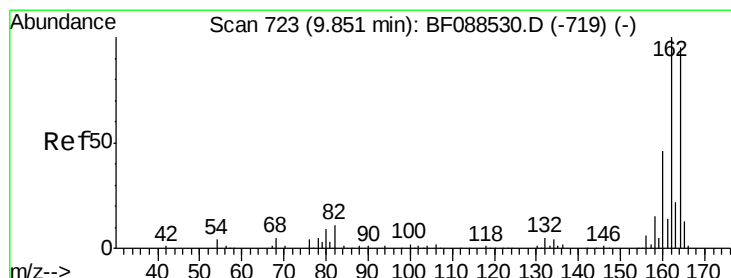
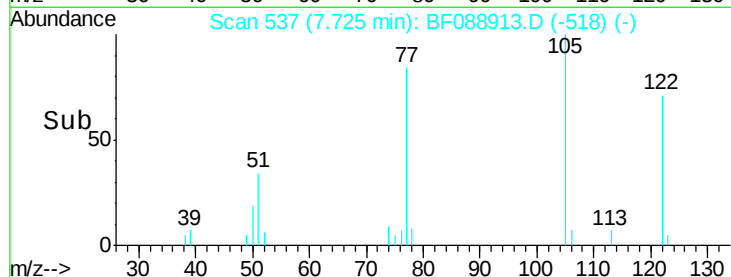
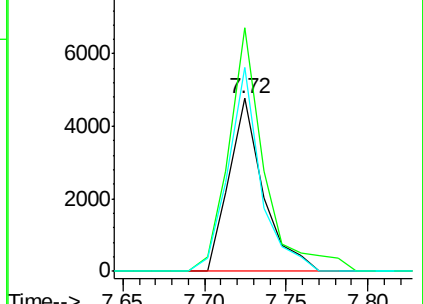
77 117.9 70.6 110.6#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.00 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

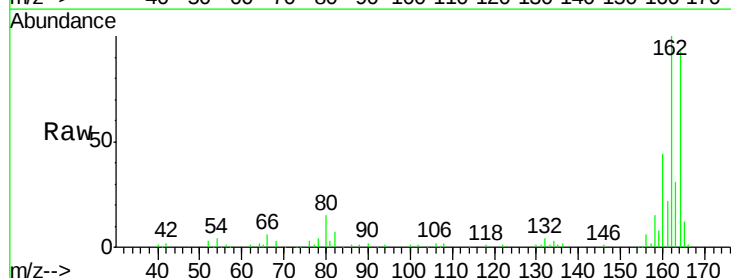
Tgt Ion:164 Resp: 95803

Ion Ratio Lower Upper

164 100

162 107.6 85.4 128.2

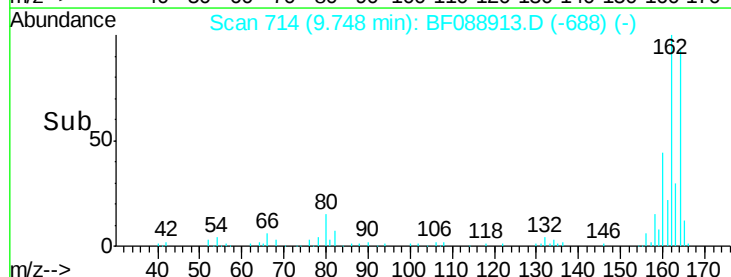
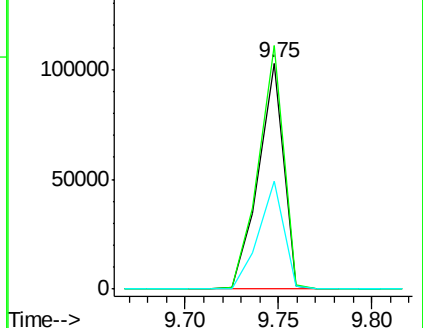
160 47.6 39.5 59.3



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

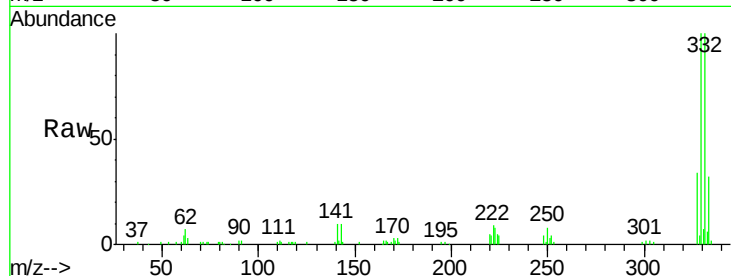




#41
 2,4,6-Tribromophenol
 Concen: 110.82 ng
 RT: 10.54 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF088913.D
 Acq: 11 Jul 2016 21:51

Instrument :
 BNA_F
 ClientSampleId :
 N8-B6(0-2)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	0.0	0.0#
141	36.6	0.0	0.0#

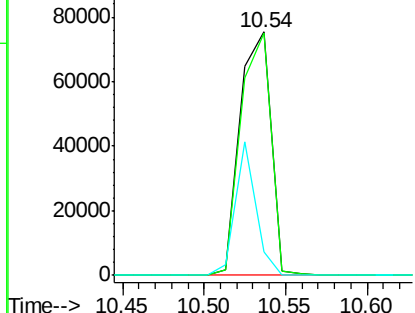
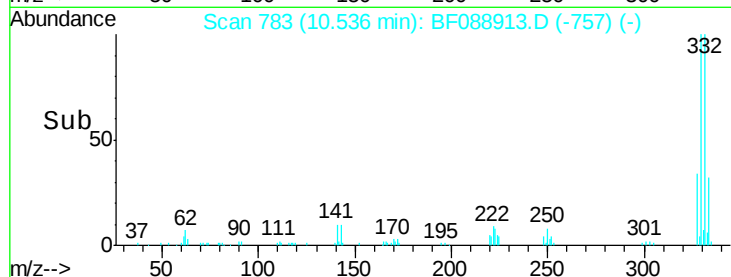


Abundance

Ion 329.80 (329.50 to 330.50): E

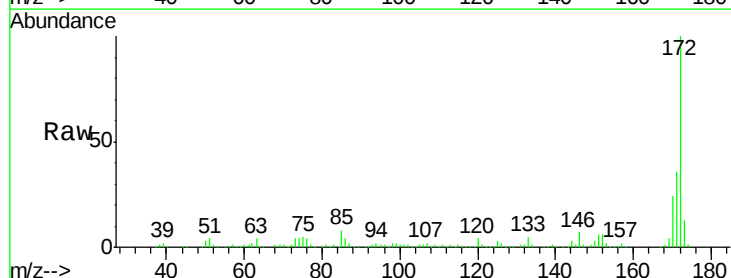
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 84.68 ng
 RT: 9.07 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BF088913.D
 Acq: 11 Jul 2016 21:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.9	19.2	28.8

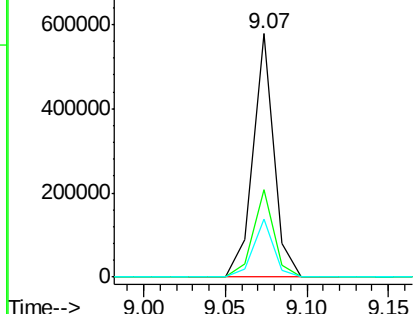
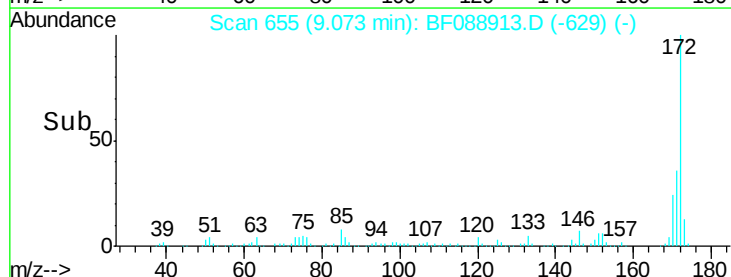


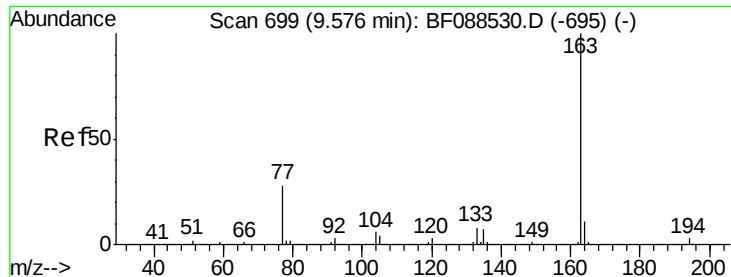
Abundance

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

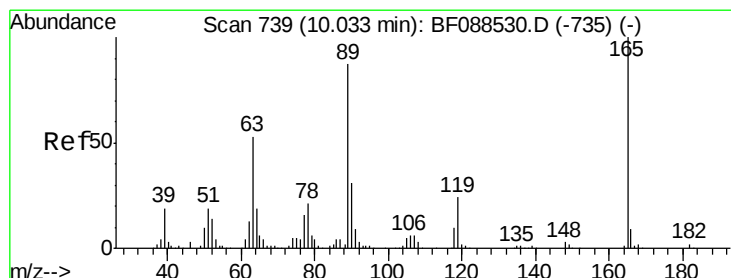
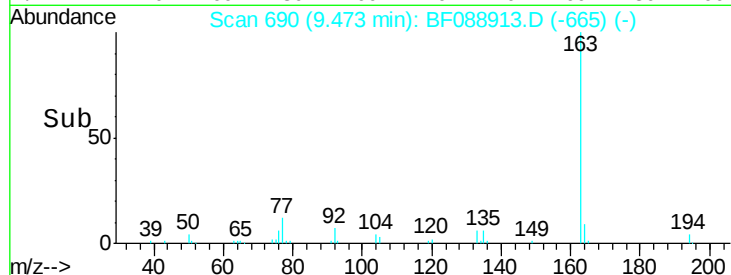
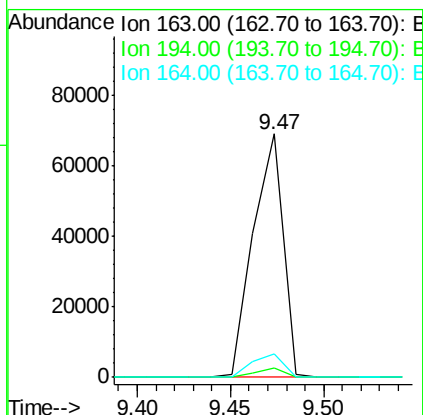
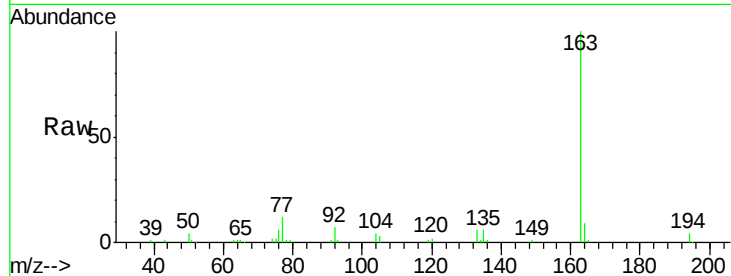




#49
Dimethylphthalate
Concen: 11.17 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088913.D
Acq: 11 Jul 2016 21:51

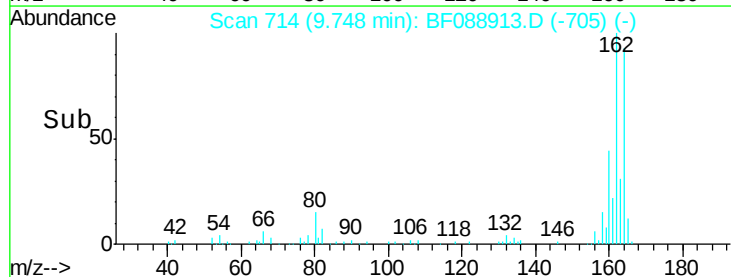
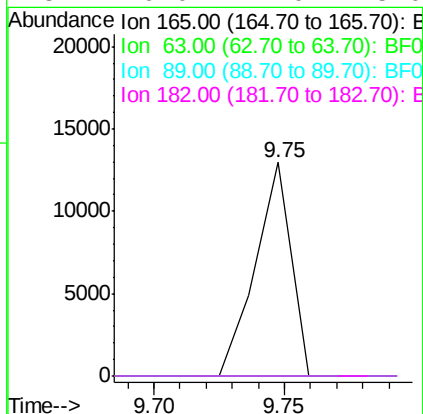
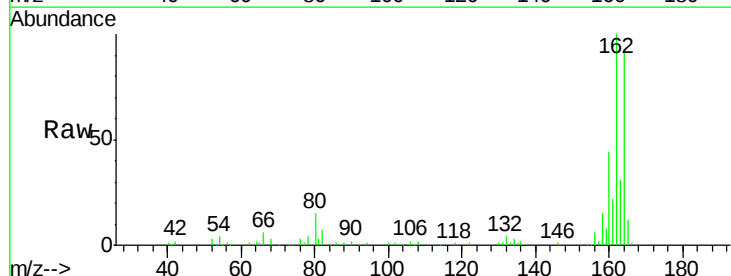
Instrument :
BNA_F
ClientSampleId :
N8-B6(0-2)C

Tgt Ion:163 Resp: 76208
Ion Ratio Lower Upper
163 100
194 4.0 2.8 4.2
164 9.4 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.19 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.19 min
Lab File: BF088913.D
Acq: 11 Jul 2016 21:51

Tgt Ion:165 Resp: 12250
Ion Ratio Lower Upper
165 100
63 0.0 22.0 33.0#
89 0.0 41.1 61.7#
182 0.0 2.0 3.0#

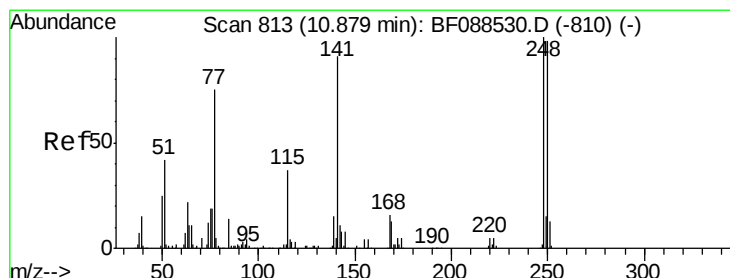
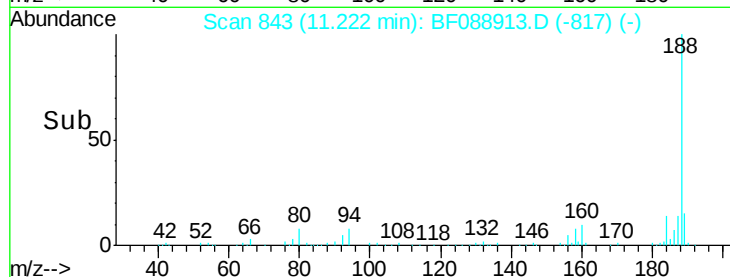
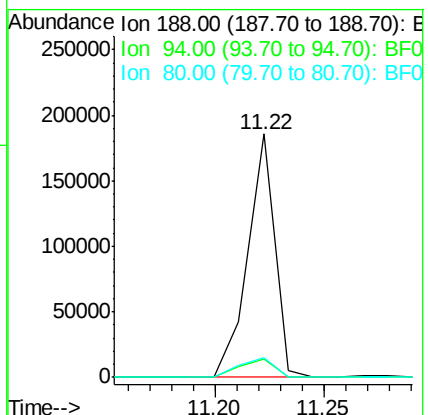
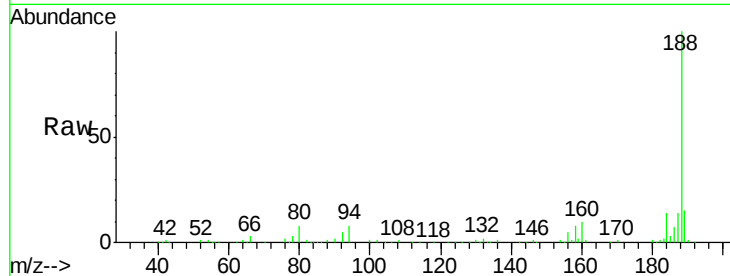




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF088913.D
 Acq: 11 Jul 2016 21:51

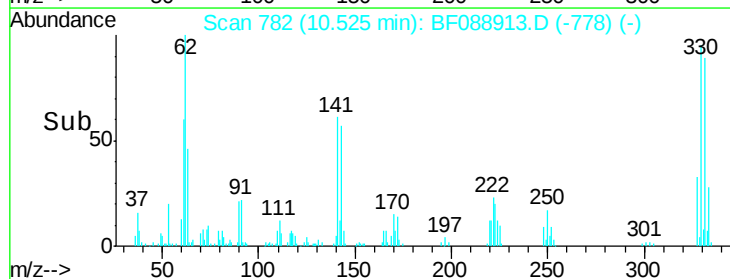
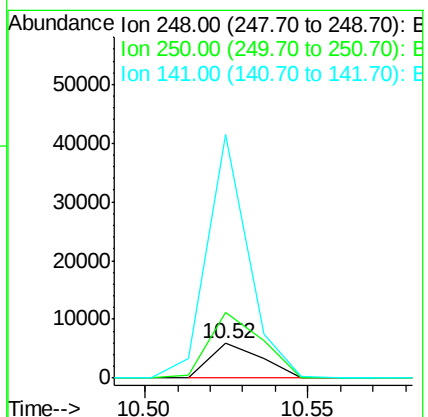
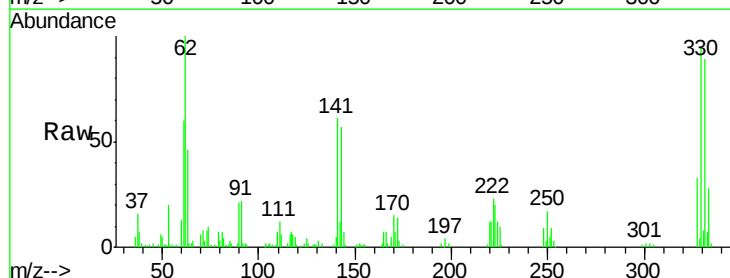
Instrument :
 BNA_F
 ClientSampleId :
 N8-B6(0-2)C

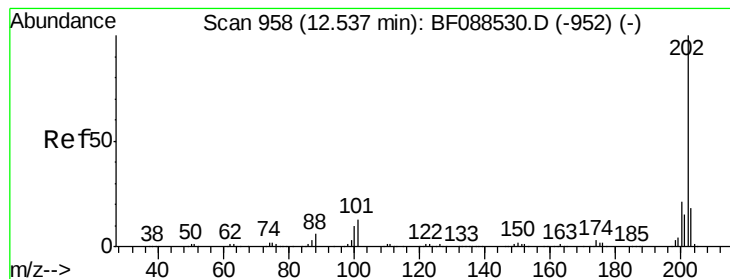
Tgt Ion:188 Resp: 159936
 Ion Ratio Lower Upper
 188 100
 94 7.8 9.0 13.6#
 80 8.2 10.0 15.0#



#66
 4-Bromophenyl-phenylether
 Concen: 3.88 ng
 RT: 10.52 min Scan# 782
 Delta R.T. -0.25 min
 Lab File: BF088913.D
 Acq: 11 Jul 2016 21:51

Tgt Ion:248 Resp: 6259
 Ion Ratio Lower Upper
 248 100
 250 192.5 77.1 115.7#
 141 707.6 50.6 76.0#





#74

Fluoranthene

Concen: 3.38 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

Instrument :

BNA_F

ClientSampleId :

N8-B6(0-2)C

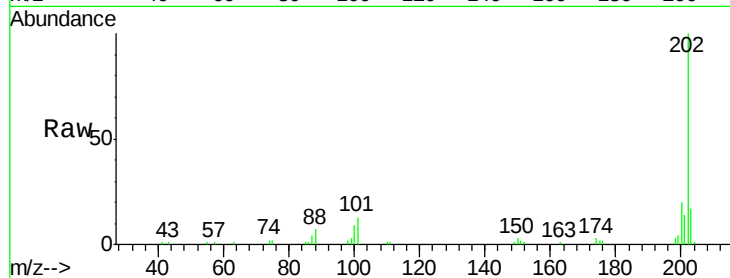
Tgt Ion: 202 Resp: 29949

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.1

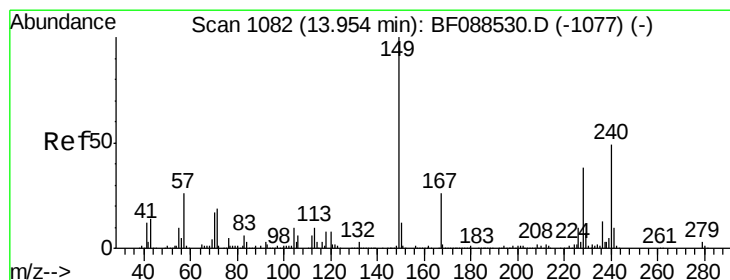
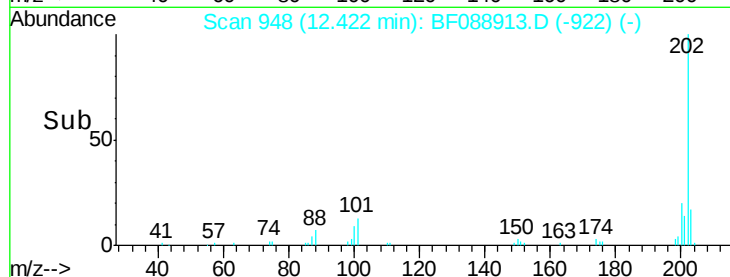
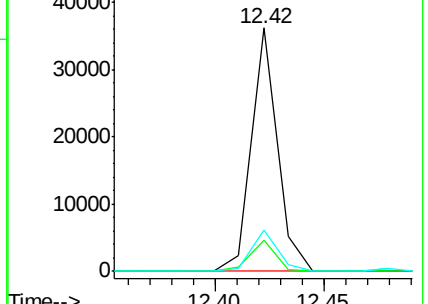
203 17.1 0.0 38.1



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: 13.84 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BF088913.D

Acq: 11 Jul 2016 21:51

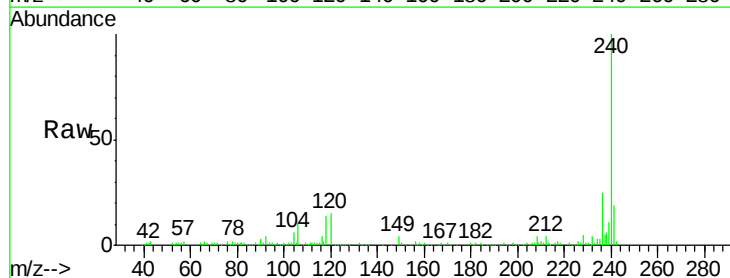
Tgt Ion: 240 Resp: 130070

Ion Ratio Lower Upper

240 100

120 14.7 6.8 10.2#

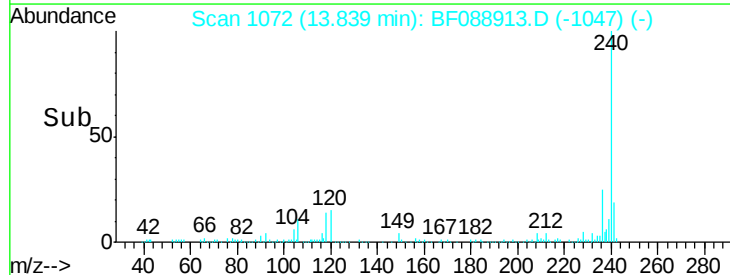
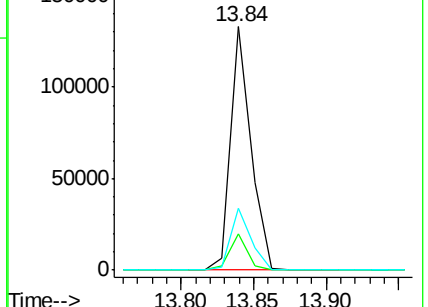
236 25.4 20.2 30.2

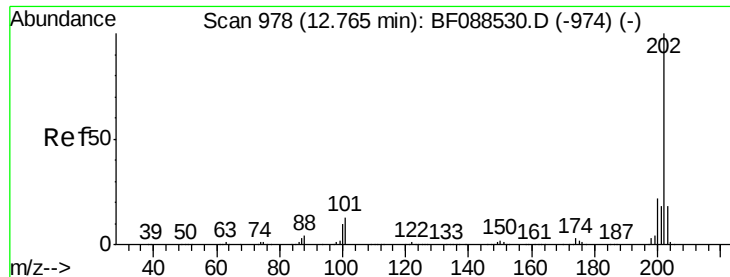


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

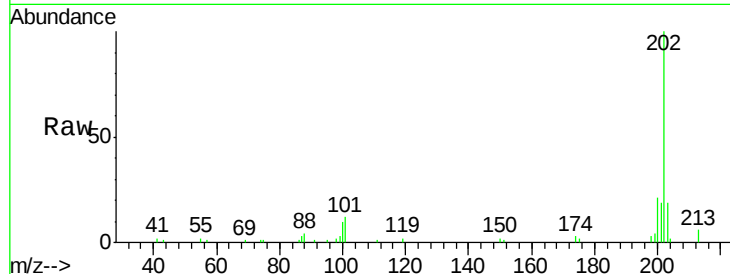




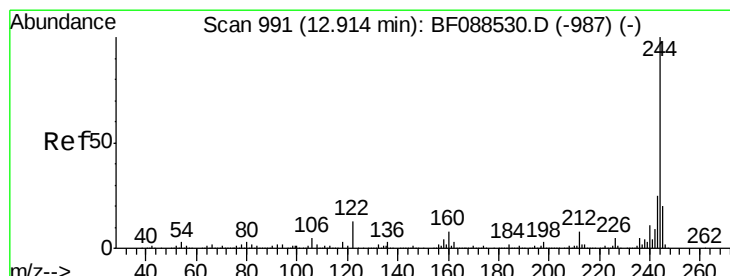
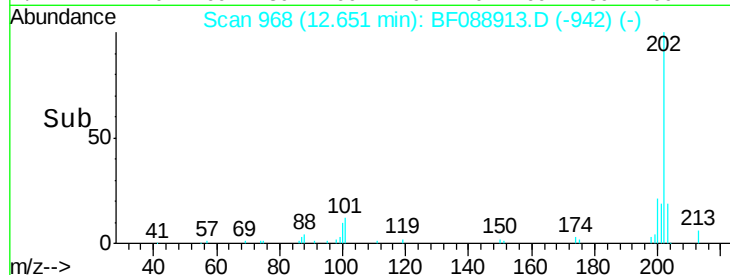
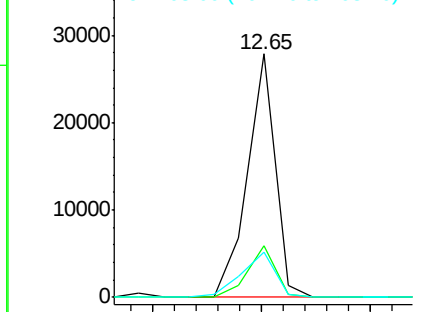
#77
 Pyrene
 Concen: 2.24 ng
 RT: 12.65 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: BF088913.D
 Acq: 11 Jul 2016 21:51

Instrument :
 BNA_F
 ClientSampleId :
 N8-B6(0-2)C

Tgt Ion: 202 Resp: 24679
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.4 26.2
 203 18.7 14.5 21.7

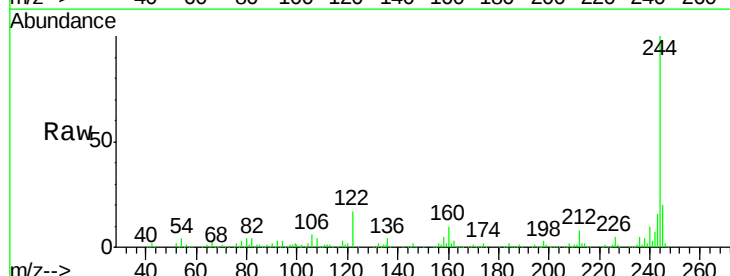


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

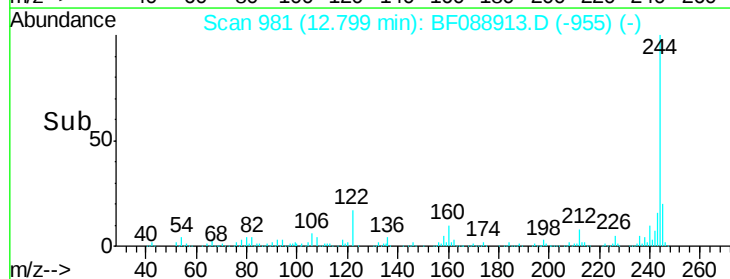
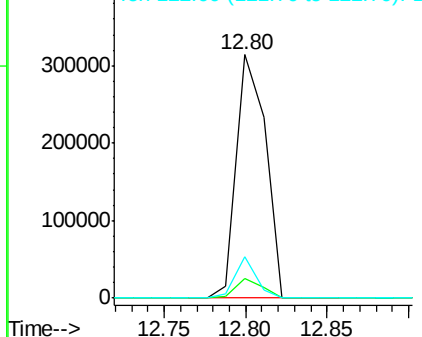


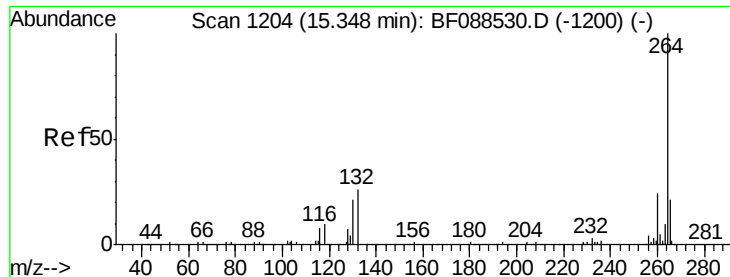
#78
 Terphenyl-d14
 Concen: 66.40 ng
 RT: 12.80 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF088913.D
 Acq: 11 Jul 2016 21:51

Tgt Ion: 244 Resp: 387742
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 17.2 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



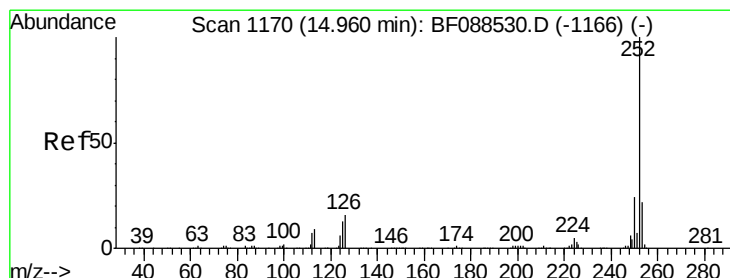
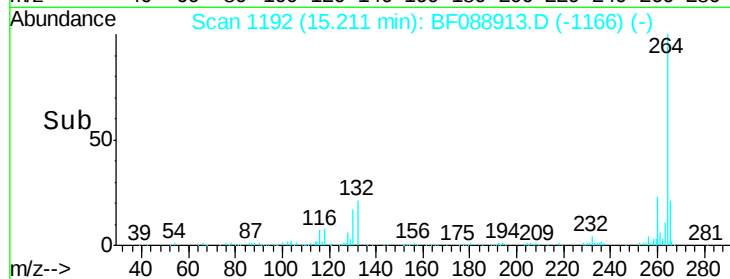
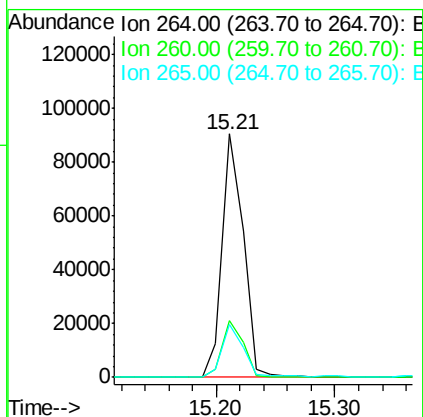
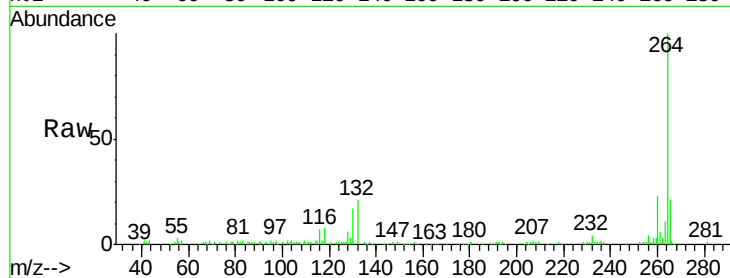


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF088913.D
Acq: 11 Jul 2016 21:51

Instrument :
BNA_F
ClientSampleId :
N8-B6(0-2)C

Tgt Ion: 264 Resp: 111507

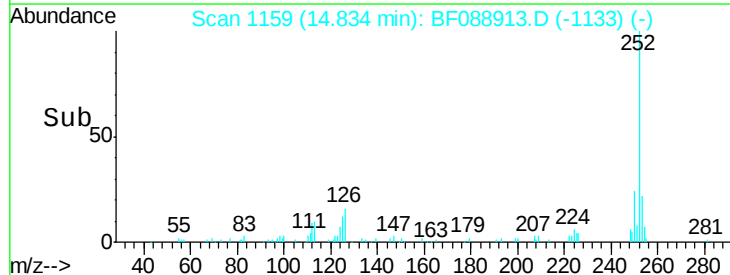
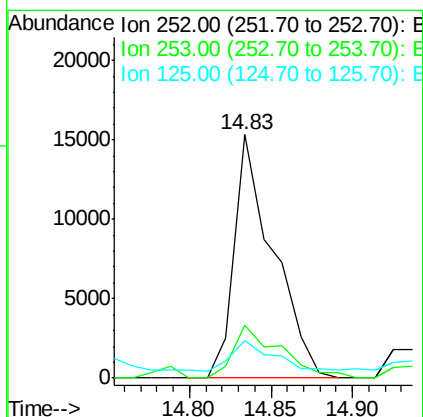
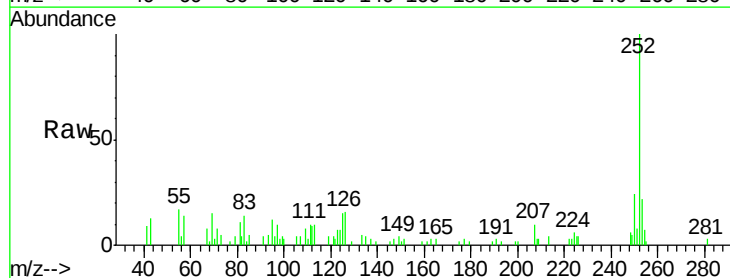
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	16.9	25.3

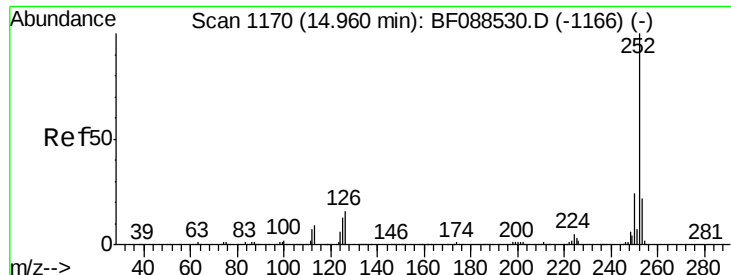


#87
Benzo(b)fluoranthene
Concen: 3.61 ng
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF088913.D
Acq: 11 Jul 2016 21:51

Tgt Ion: 252 Resp: 25260

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	15.5	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 4.15 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088913.D

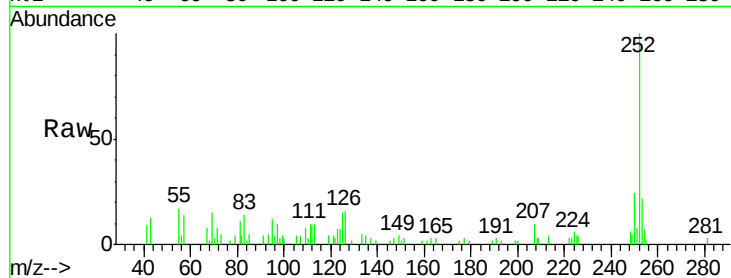
Acq: 11 Jul 2016 21:51

Instrument :

BNA_F

ClientSampleId :

N8-B6(0-2)C



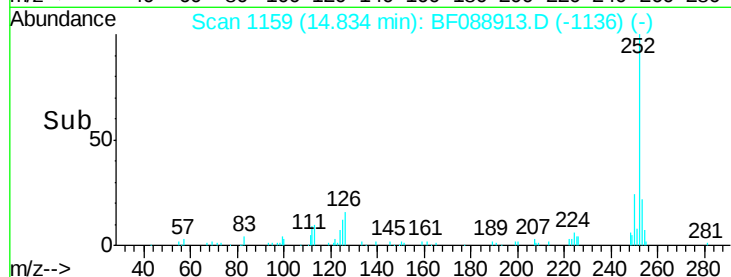
Tgt Ion: 252 Resp: 25260

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

125 15.5 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

