

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088918.D
 Acq On : 12 Jul 2016 00:16
 Operator : UM/SJ
 Sample : H3921-22
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 07-B4(0-11)C

Quant Time: Jul 12 02:09:13 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

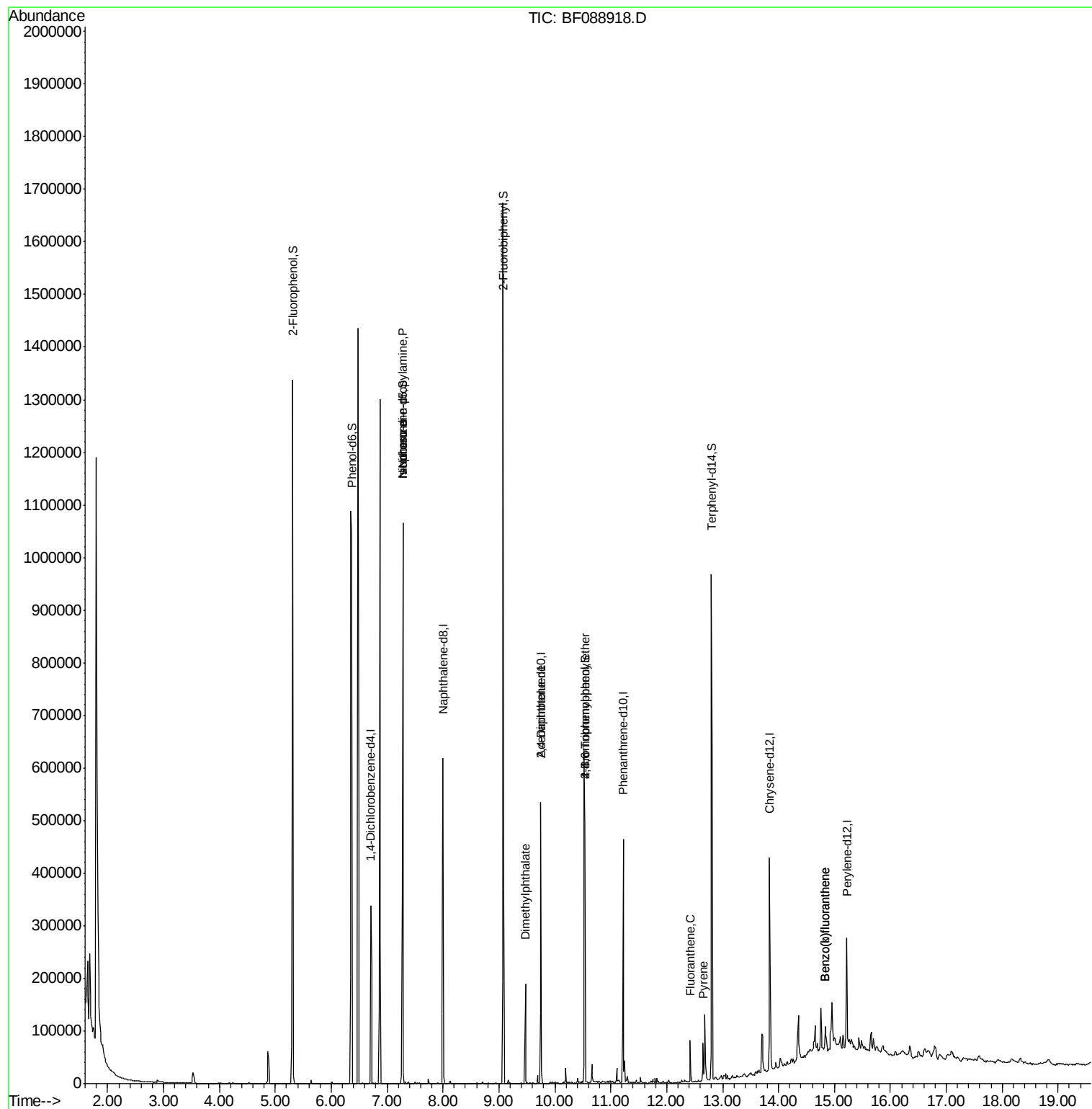
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	64583	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	263712	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	101296	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	157493	20.00	ng	0.00
75) Chrysene-d12	13.84	240	133156	20.00	ng	-0.01
86) Perylene-d12	15.22	264	109671	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	476512	110.58	ng	0.02
7) Phenol-d6	6.36	99	612463	109.99	ng	0.01
23) Nitrobenzene-d5	7.28	82	351142	69.78	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	105907	112.59	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	517326	80.67	ng	0.00
78) Terphenyl-d14	12.80	244	375347	62.79	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	48950	13.09	ng	# 71
25) Isophorone	7.28	82	263251	28.24	ng	# 65
49) Dimethylphthalate	9.47	163	90150	12.49	ng	99
56) 2,4-Dinitrotoluene	9.75	165	12768	6.11	ng	# 36
66) 4-Bromophenyl-phenylether	10.54	248	6810	4.29	ng	# 1
74) Fluoranthene	12.42	202	29384	3.37	ng	98
77) Pyrene	12.65	202	26597	2.36	ng	98
87) Benzo(b)fluoranthene	14.83	252	24392	3.55	ng	# 87
88) Benzo(k)fluoranthene	14.83	252	24392	4.07	ng	# 92

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

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QLast Update : Mon Jul 11 18:13:32 2016
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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: BF088918.D

Acq: 12 Jul 2016 00:16

Instrument :

BNA_F

ClientSampleId :

07-B4(0-11)C

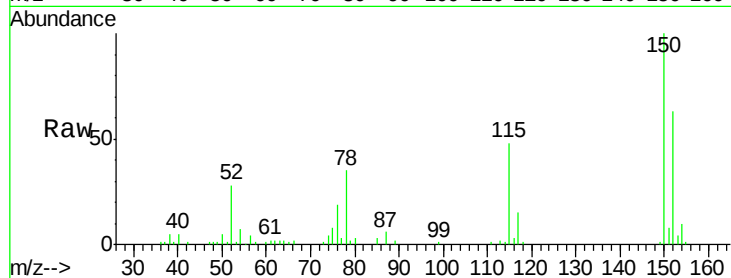
Tgt Ion:152 Resp: 64583

Ion Ratio Lower Upper

152 100

150 159.4 123.8 185.6

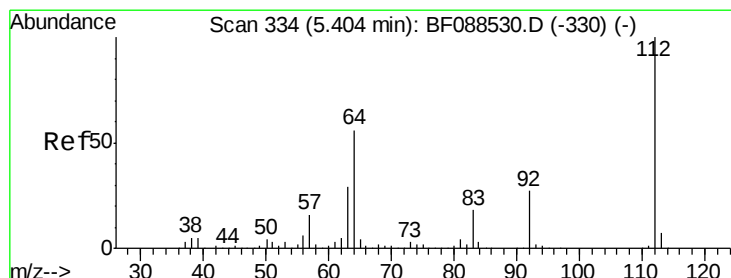
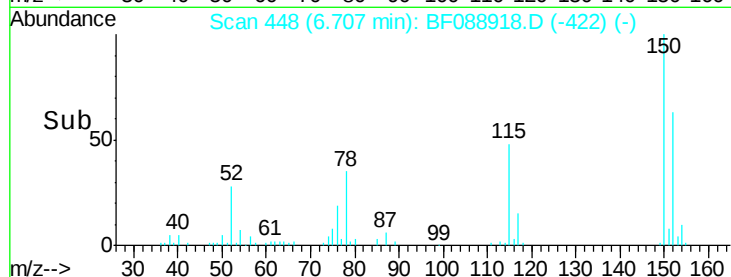
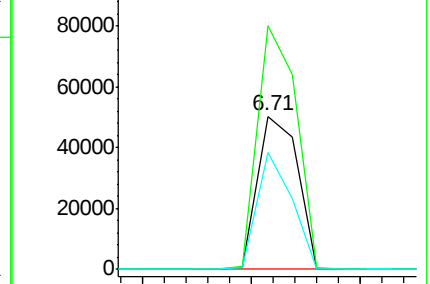
115 76.3 39.6 59.4#



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: 110.58 ng

RT: 5.31 min Scan# 326

Delta R.T. 0.02 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

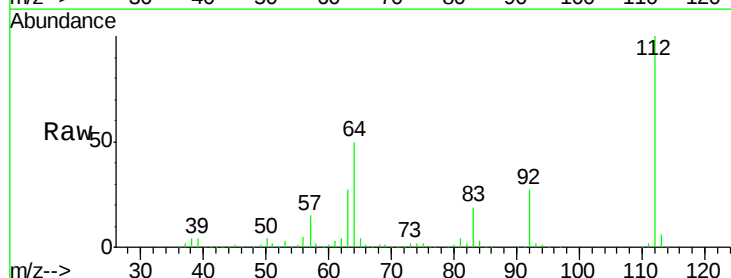
Tgt Ion:112 Resp: 476512

Ion Ratio Lower Upper

112 100

64 50.4 42.2 63.2

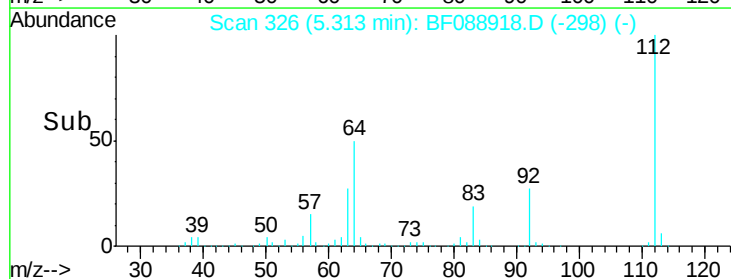
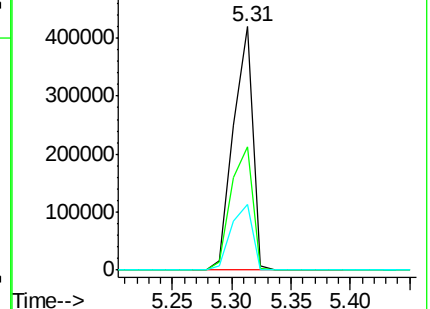
63 27.1 21.8 32.8



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: 109.99 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

Instrument :

BNA_F

ClientSampleId :

07-B4(0-11)C

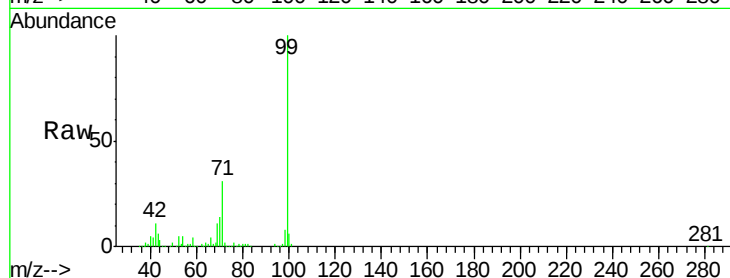
Tgt Ion: 99 Resp: 612463

Ion Ratio Lower Upper

99 100

42 11.4 12.2 18.2#

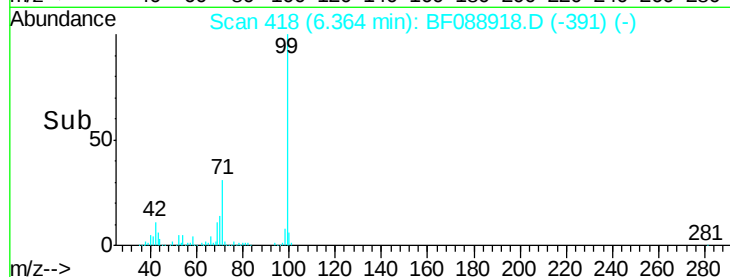
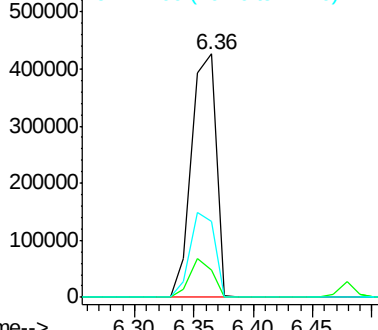
71 31.3 23.4 35.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.09 ng

RT: 7.28 min Scan# 498

Delta R.T. 0.14 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

Tgt Ion: 70 Resp: 48950

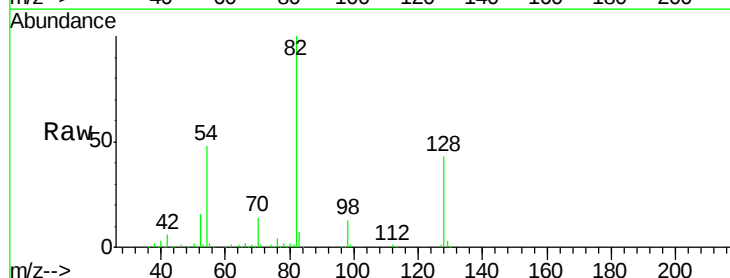
Ion Ratio Lower Upper

70 100

42 41.3 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

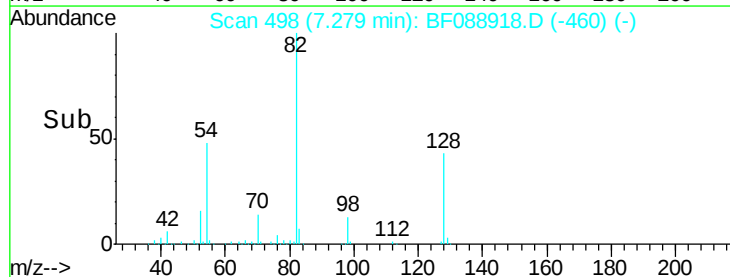
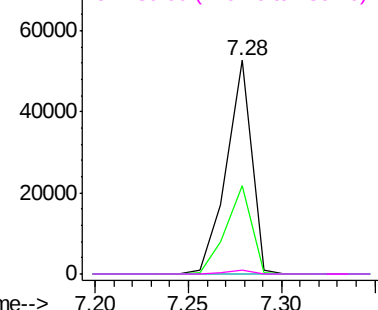


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

Instrument :

BNA_F

ClientSampleId :

07-B4(0-11)C

Tgt Ion:136 Resp: 263712

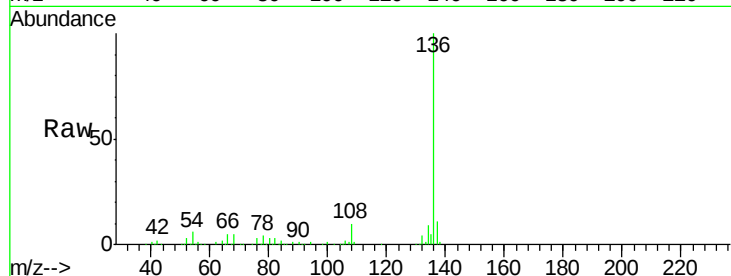
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 6.2 6.6 10.0#

68 5.2 5.1 7.7

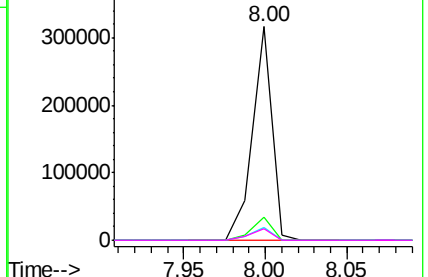
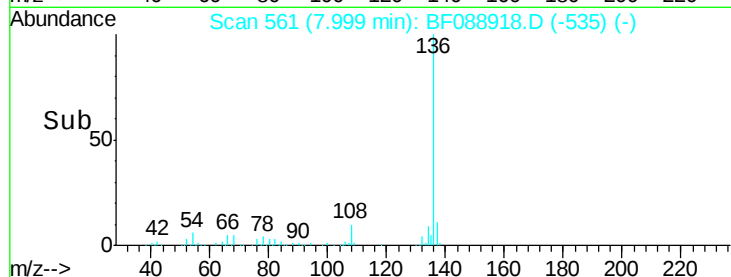


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.78 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

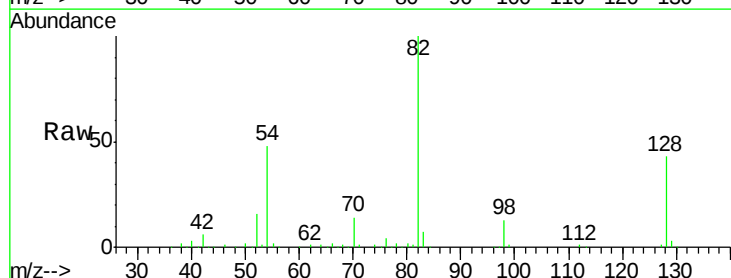
Tgt Ion: 82 Resp: 351142

Ion Ratio Lower Upper

82 100

128 42.5 35.9 53.9

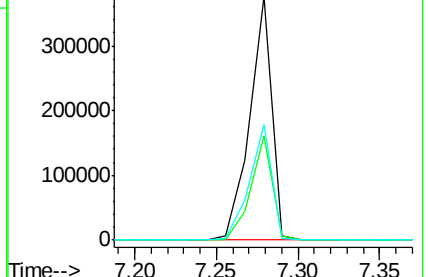
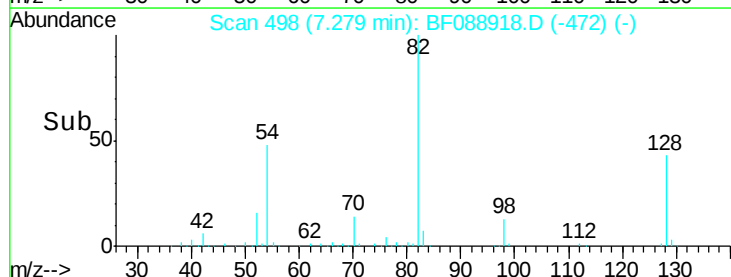
54 47.5 40.9 61.3

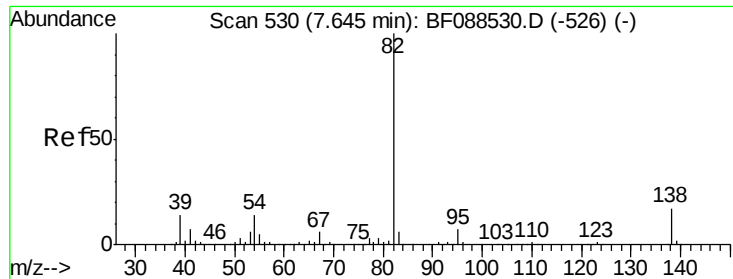


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 28.24 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.26 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

Instrument :

BNA_F

ClientSampleId :

07-B4(0-11)C

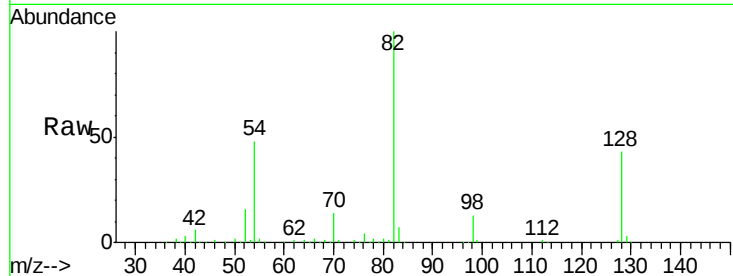
Tgt Ion: 82 Resp: 263251

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

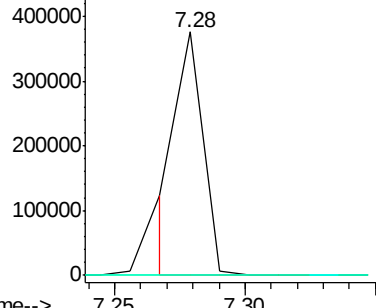
138 0.0 14.6 21.8#



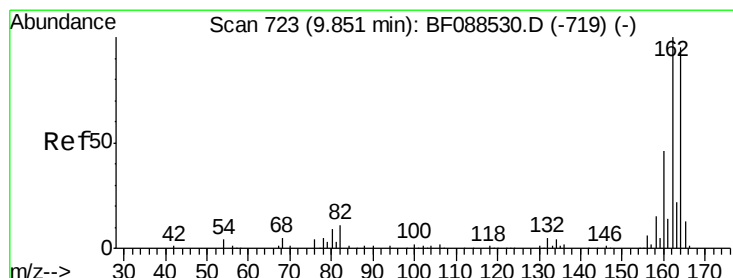
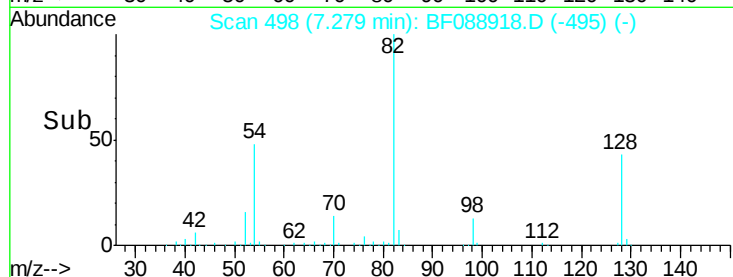
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

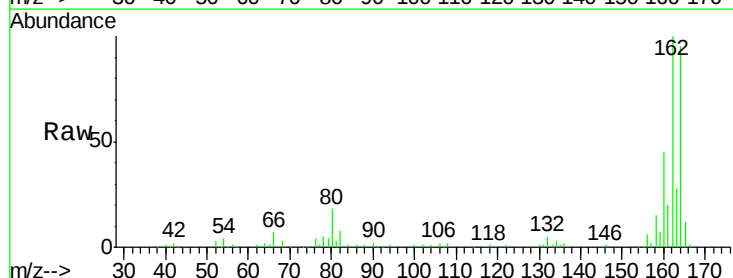
Tgt Ion: 164 Resp: 101296

Ion Ratio Lower Upper

164 100

162 105.6 85.4 128.2

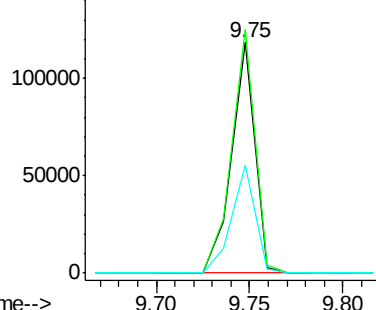
160 47.0 39.5 59.3



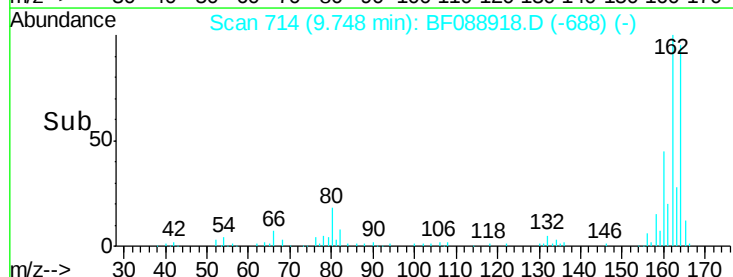
Abundance Ion 164.00 (163.70 to 164.70): E

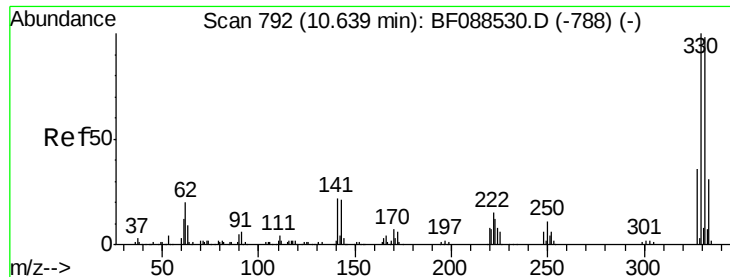
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->

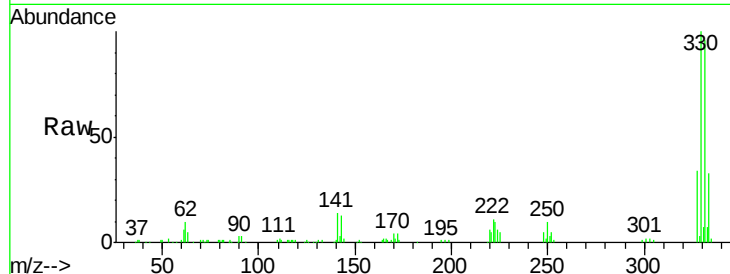




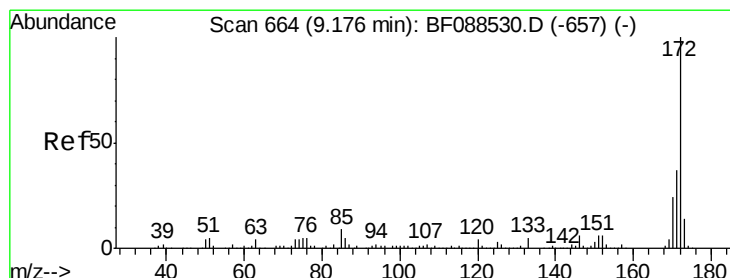
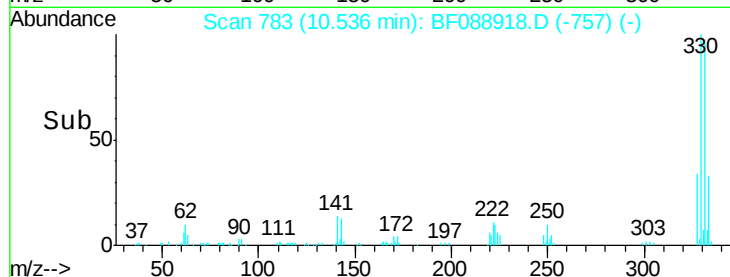
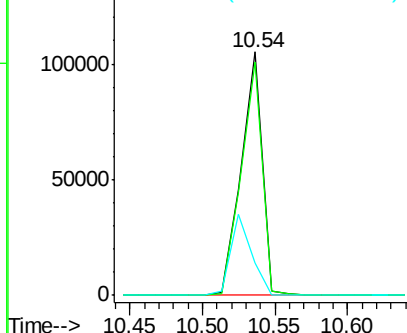
#41
 2,4,6-Tribromophenol
 Concen: 112.59 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF088918.D
 Acq: 12 Jul 2016 00:16

Instrument :
 BNA_F
 ClientSampleId :
 07-B4(0-11)C

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	33.5	0.0	0.0#

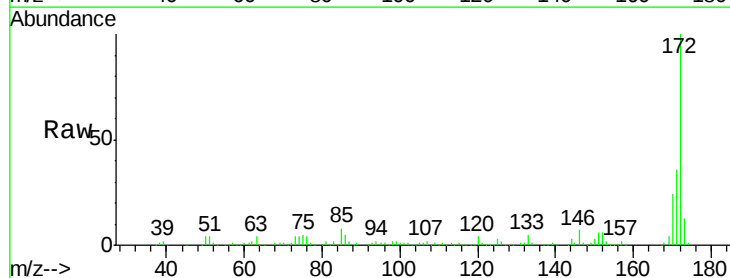


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

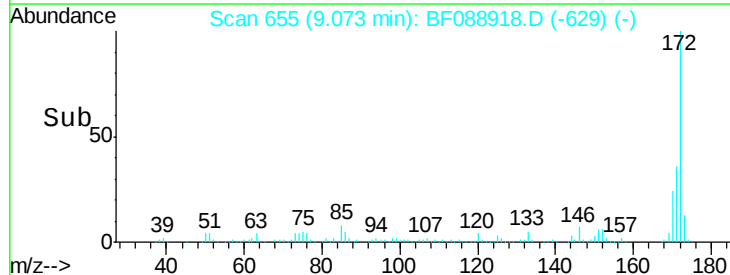
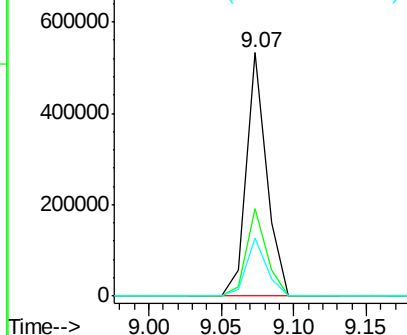


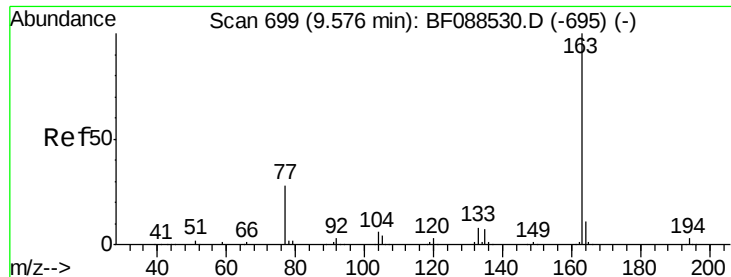
#44
 2-Fluorobiphenyl
 Concen: 80.67 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088918.D
 Acq: 12 Jul 2016 00:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.7	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: 12.49 ng

RT: 9.47 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

Instrument :

BNA_F

ClientSampleId :

07-B4(0-11)C

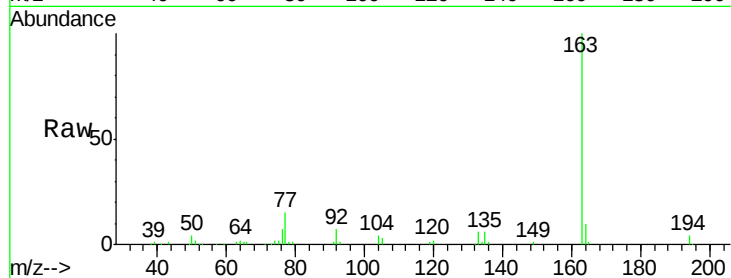
Tgt Ion:163 Resp: 90150

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

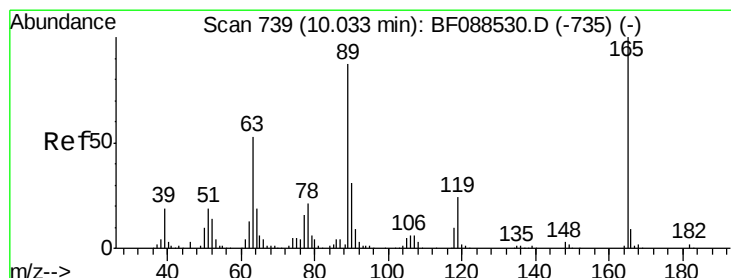
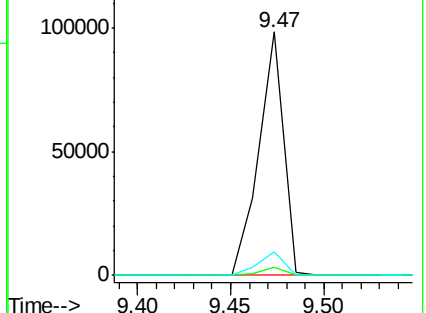
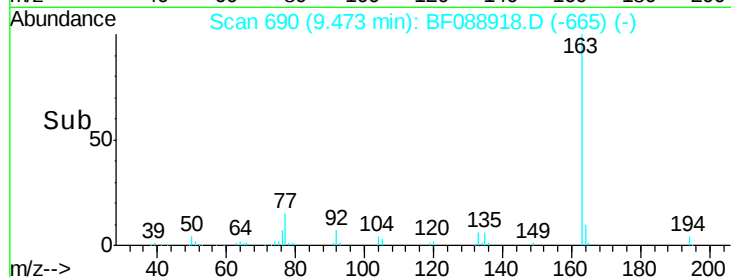
164 9.7 8.3 12.5



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



#56

2,4-Dinitrotoluene

Concen: 6.11 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.19 min

Lab File: BF088918.D

Acq: 12 Jul 2016 00:16

Tgt Ion:165 Resp: 12768

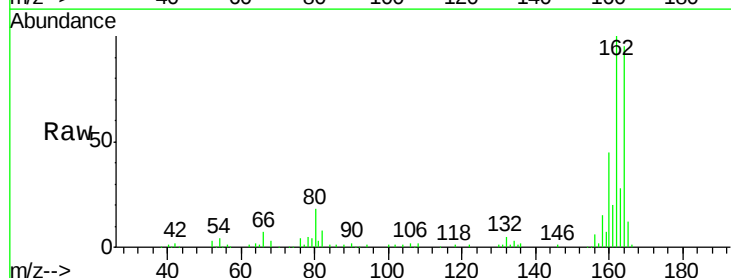
Ion Ratio Lower Upper

165 100

63 0.0 22.0 33.0#

89 0.0 41.1 61.7#

182 0.0 2.0 3.0#

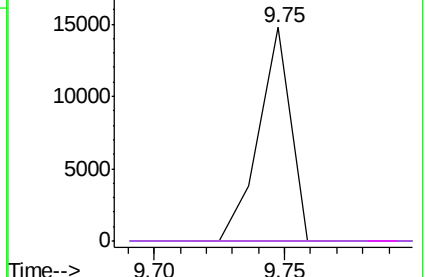
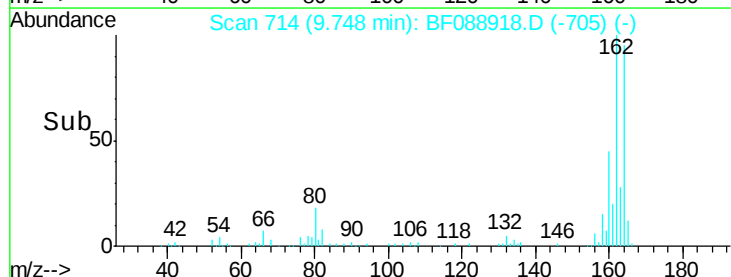


Abundance Ion 165.00 (164.70 to 165.70): E

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

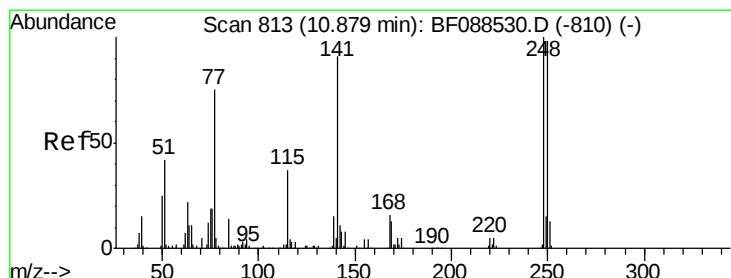
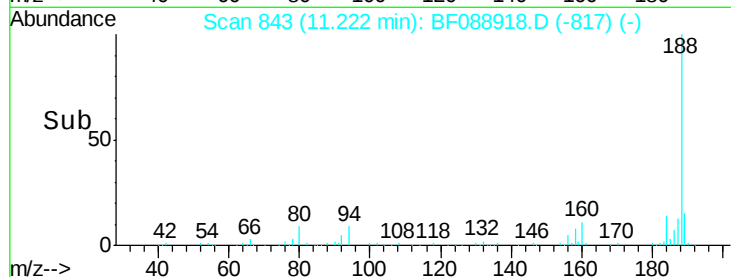
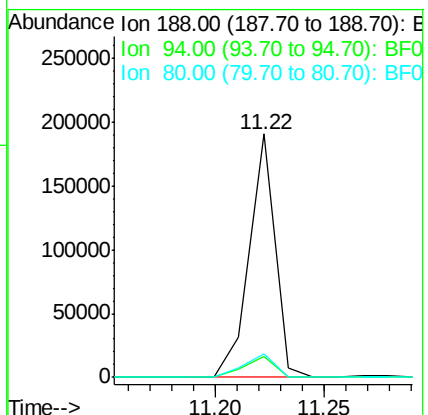
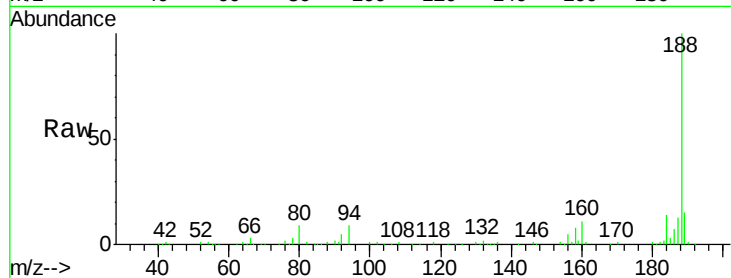




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF088918.D
Acq: 12 Jul 2016 00:16

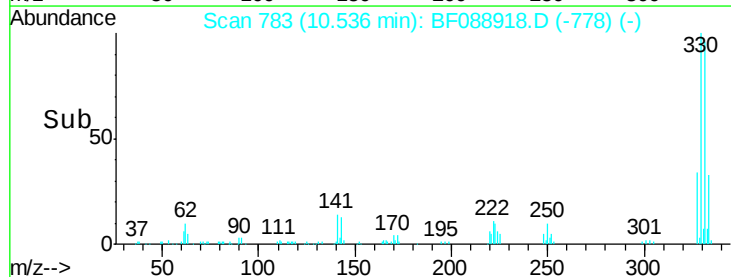
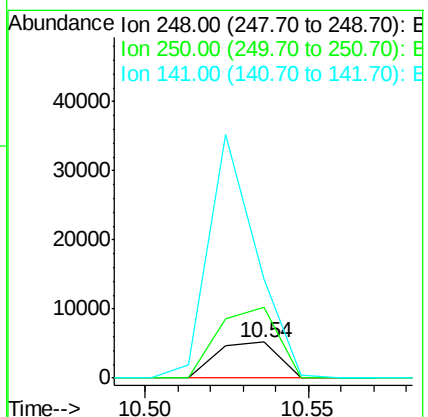
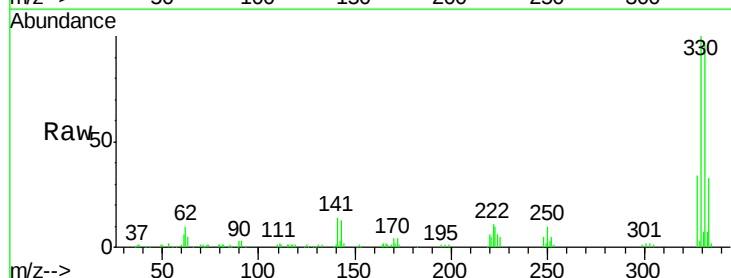
Instrument :
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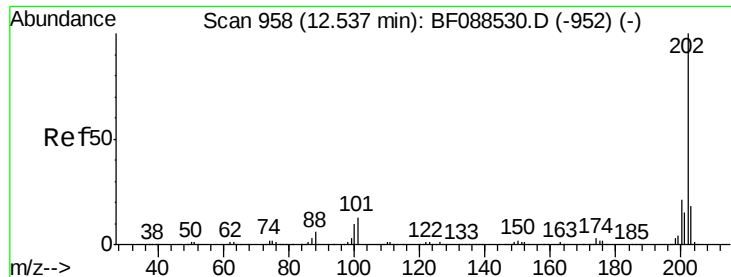
Tgt Ion:188 Resp: 157493
Ion Ratio Lower Upper
188 100
94 8.7 9.0 13.6#
80 9.5 10.0 15.0#



#66
4-Bromophenyl-phenylether
Concen: 4.29 ng
RT: 10.54 min Scan# 783
Delta R.T. -0.24 min
Lab File: BF088918.D
Acq: 12 Jul 2016 00:16

Tgt Ion:248 Resp: 6810
Ion Ratio Lower Upper
248 100
250 199.0 77.1 115.7#
141 274.2 50.6 76.0#

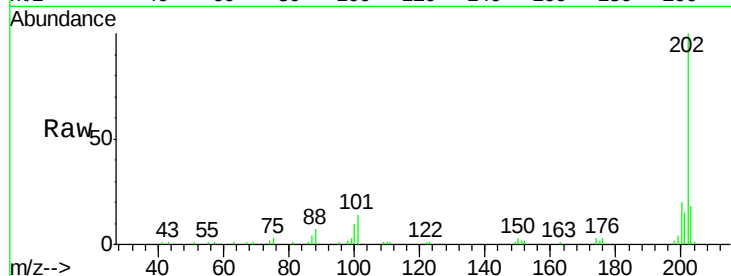




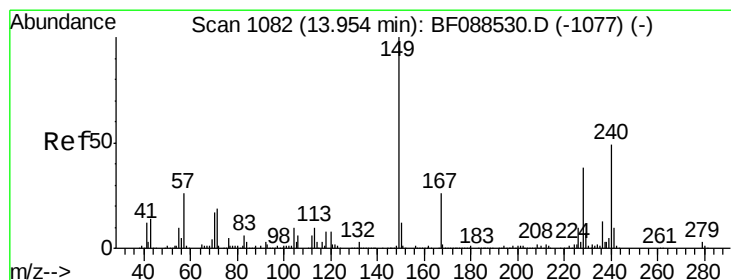
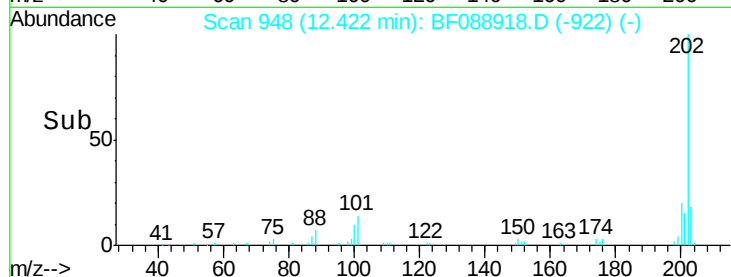
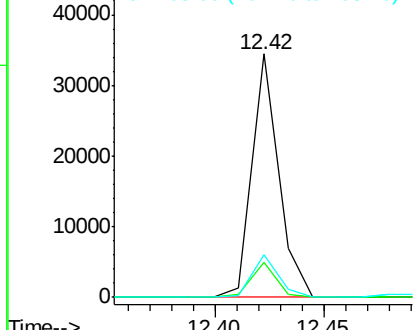
#74
 Fluoranthene
 Concen: 3.37 ng
 RT: 12.42 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: BF088918.D
 Acq: 12 Jul 2016 00:16

Instrument :
 BNA_F
 ClientSampleId :
 07-B4(0-11)C

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.1
203	17.8	0.0	38.1

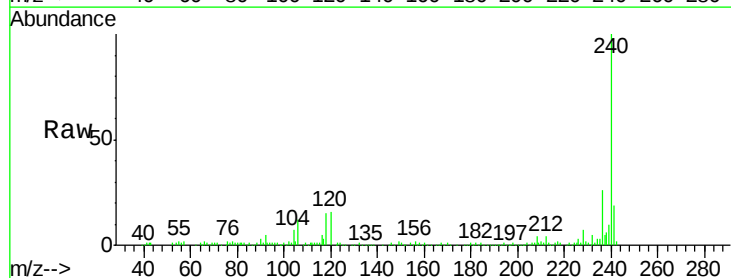


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

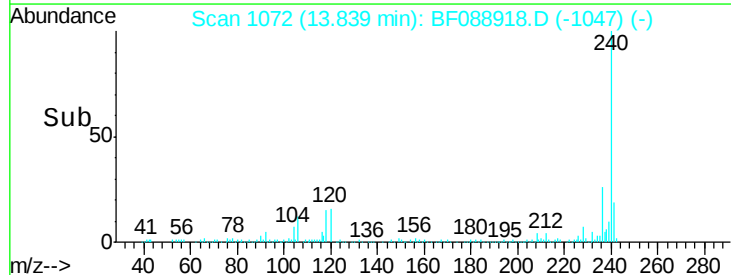
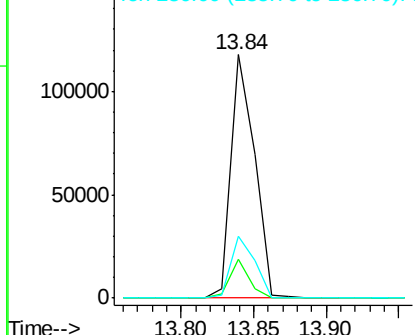


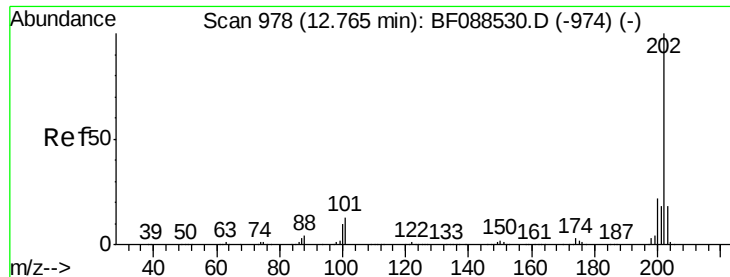
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.84 min Scan# 1072
 Delta R.T. -0.01 min
 Lab File: BF088918.D
 Acq: 12 Jul 2016 00:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.1	6.8	10.2#
236	25.6	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

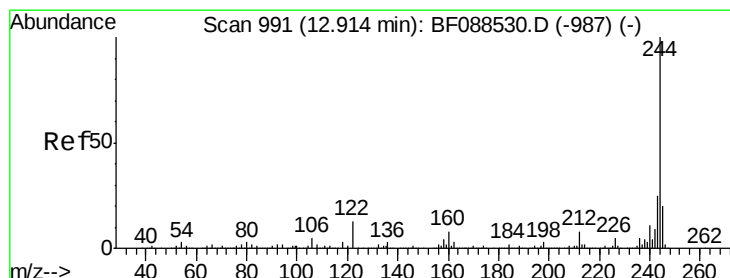
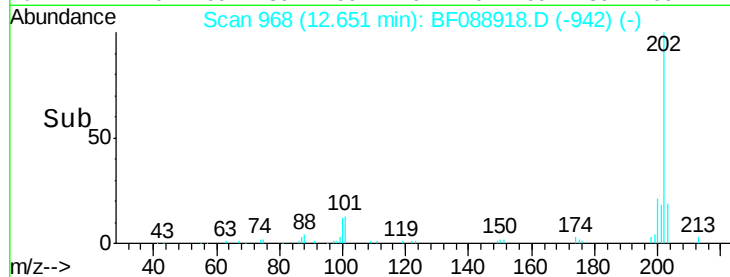
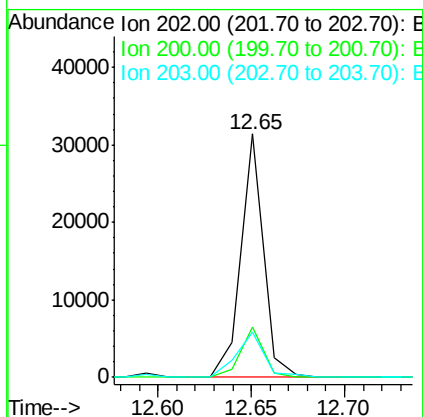
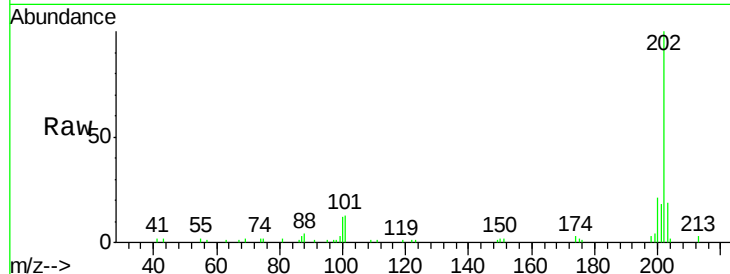




#77
 Pyrene
 Concen: 2.36 ng
 RT: 12.65 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: BF088918.D
 Acq: 12 Jul 2016 00:16

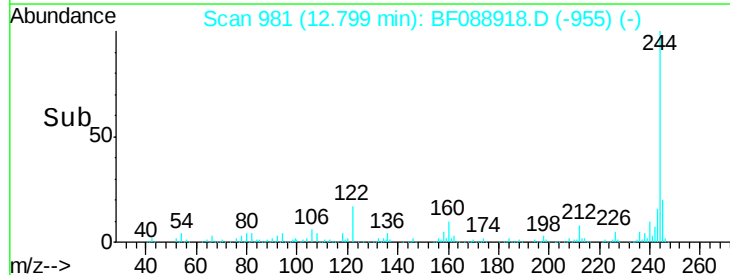
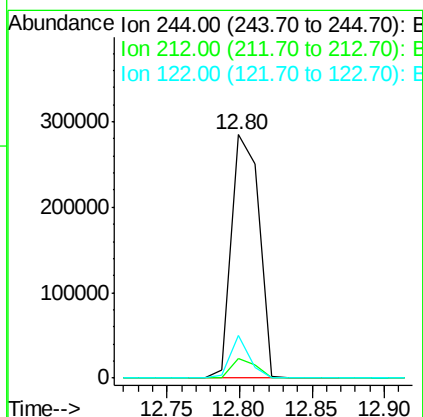
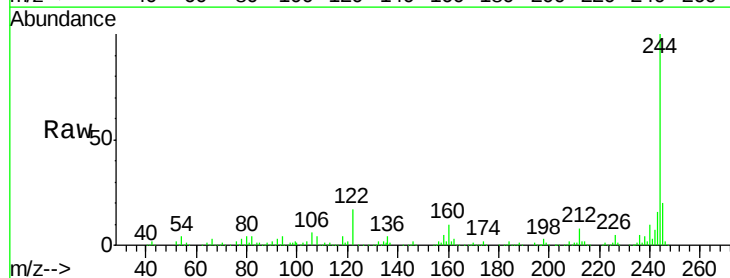
Instrument :
 BNA_F
 ClientSampleId :
 07-B4(0-11)C

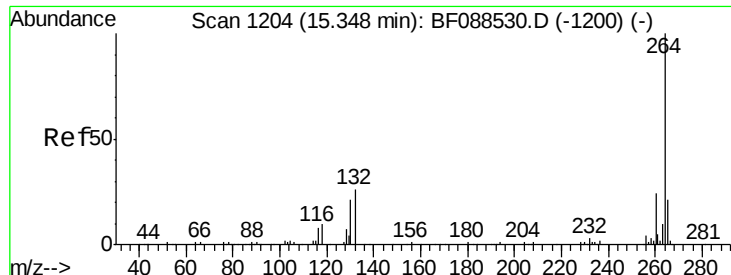
Tgt Ion: 202 Resp: 26597
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.4 26.2
 203 18.8 14.5 21.7



#78
 Terphenyl-d14
 Concen: 62.79 ng
 RT: 12.80 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BF088918.D
 Acq: 12 Jul 2016 00:16

Tgt Ion: 244 Resp: 375347
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 17.4 11.2 16.8#

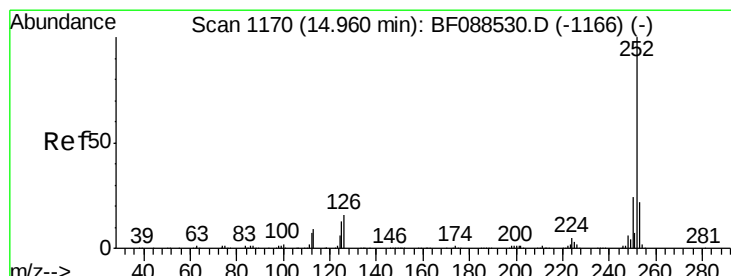
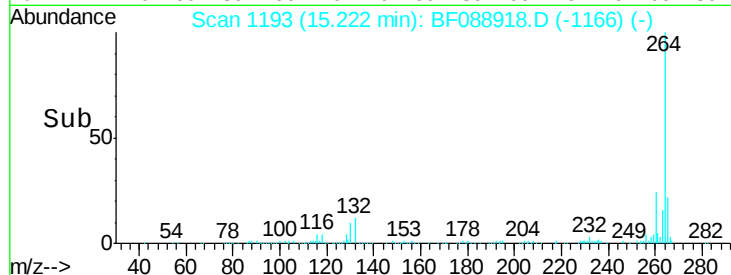
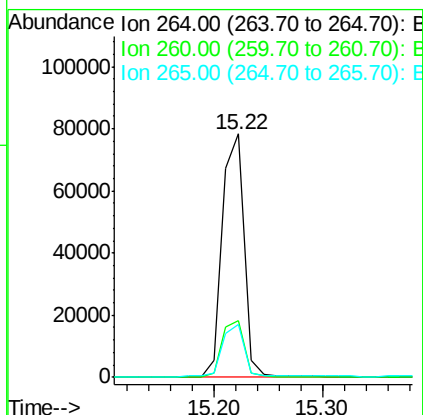
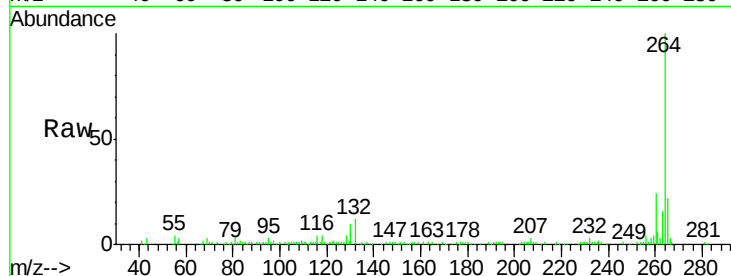




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.22 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF088918.D
 Acq: 12 Jul 2016 00:16

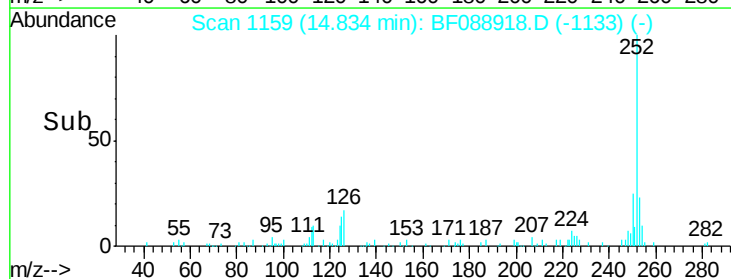
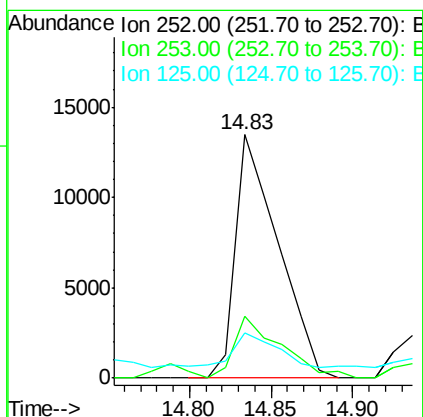
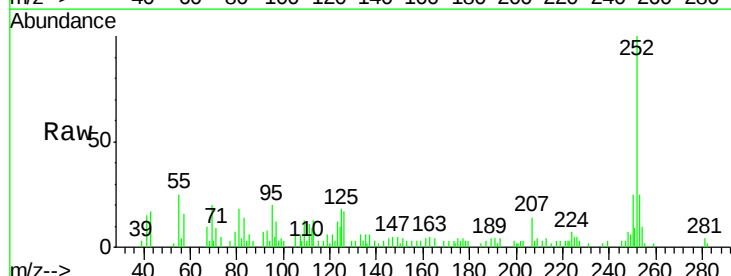
Instrument :
 BNA_F
 ClientSampleId :
 07-B4(0-11)C

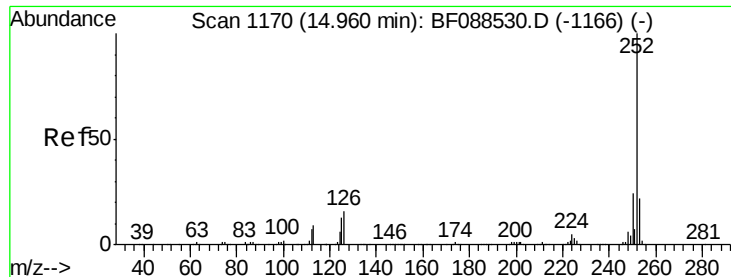
Tgt Ion: 264 Resp: 109671
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.5 16.9 25.3



#87
 Benzo(b)fluoranthene
 Concen: 3.55 ng
 RT: 14.83 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BF088918.D
 Acq: 12 Jul 2016 00:16

Tgt Ion: 252 Resp: 24392
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.4 26.2
 125 18.3 7.1 10.7#





#88

Benzo(k)fluoranthene

Concen: 4.07 ng

RT: 14.83 min Scan# 1159

Delta R.T. -0.03 min

Lab File: BF088918.D

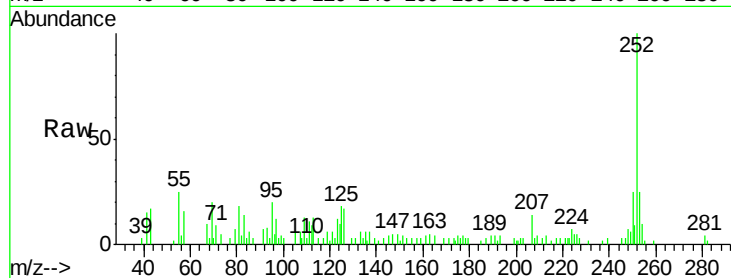
Acq: 12 Jul 2016 00:16

Instrument :

BNA_F

ClientSampleId :

07-B4(0-11)C



Tgt Ion:	252	Resp:	24392
Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.0	27.0
125	18.3	11.2	16.8

