

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070516\
 Data File : BF088722.D
 Acq On : 6 Jul 2016 00:36
 Operator : UM/SJ
 Sample : H3881-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B4-0-6-C

Quant Time: Jul 06 01:41:17 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

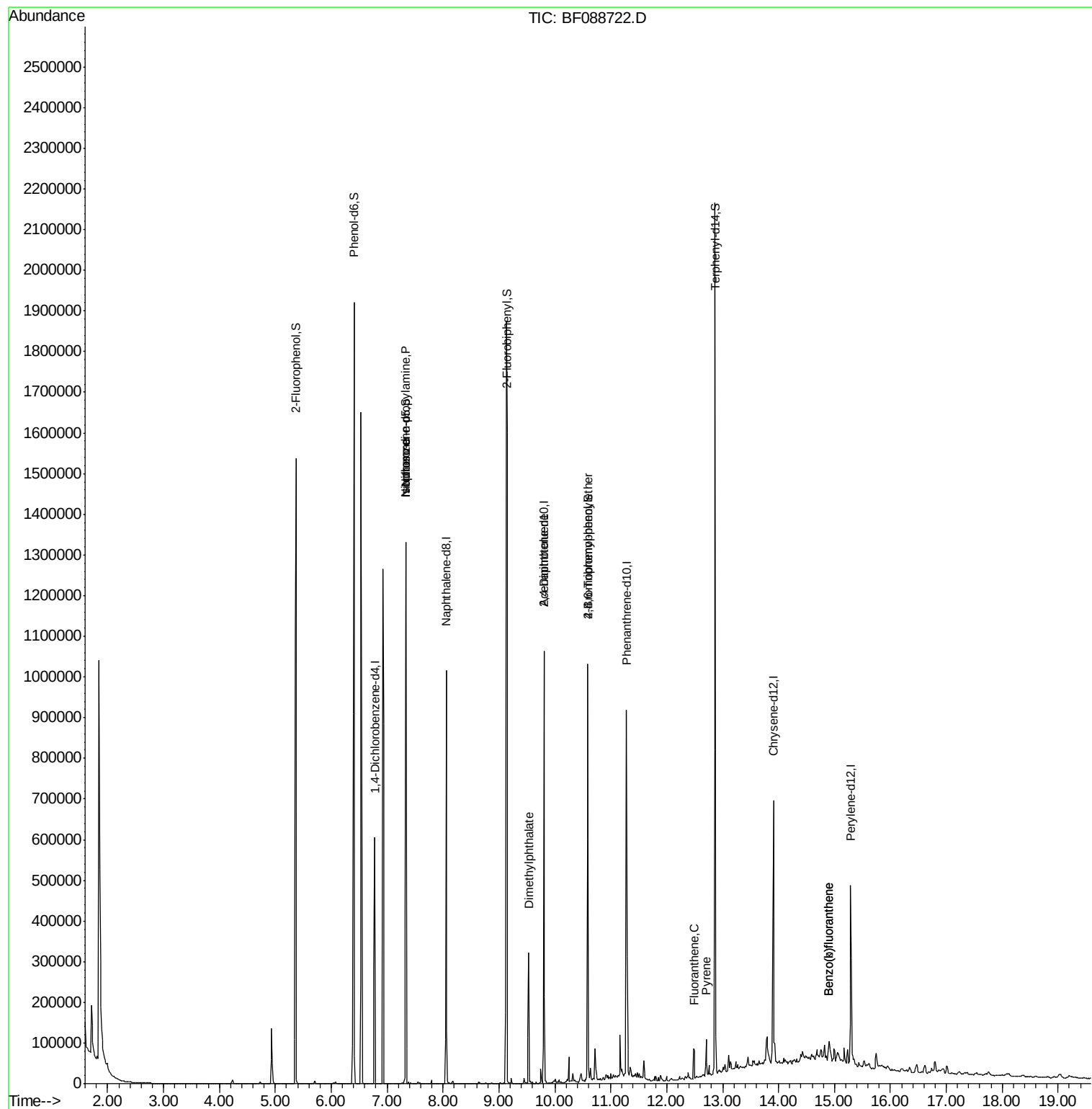
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	102847	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	420439	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	192022	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	326037	20.00	ng	-0.01
75) Chrysene-d12	13.91	240	221278	20.00	ng	-0.01
86) Perylene-d12	15.29	264	198143	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	562960	82.04	ng	0.00
7) Phenol-d6	6.41	99	733990	82.78	ng	0.00
23) Nitrobenzene-d5	7.34	82	448634	55.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	141658	79.44	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	866464	71.28	ng	0.00
78) Terphenyl-d14	12.87	244	645483	64.97	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	61273	10.29	ng	# 72
25) Isophorone	7.34	82	346024	23.28	ng	# 65
49) Dimethylphthalate	9.53	163	144446	10.56	ng	98
56) 2,4-Dinitrotoluene	9.80	165	24576	6.20	ng	# 38
66) 4-Bromophenyl-phenylether	10.59	248	9778	2.98	ng	# 1
74) Fluoranthene	12.49	202	40167	2.22	ng	94
77) Pyrene	12.71	202	37742	2.01	ng	98
87) Benzo(b)fluoranthene	14.90	252	30765	2.48	ng	# 92
88) Benzo(k)fluoranthene	14.90	252	30765	2.84	ng	97

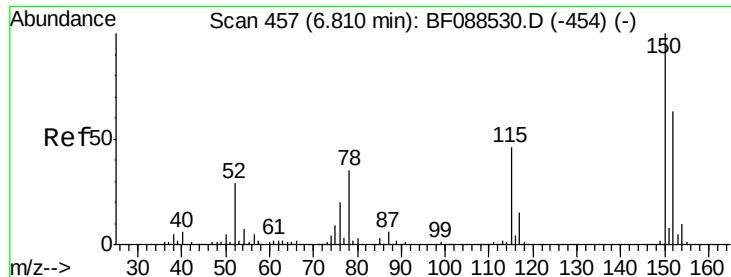
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. 0.00 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

Q6-B4-0-6-C

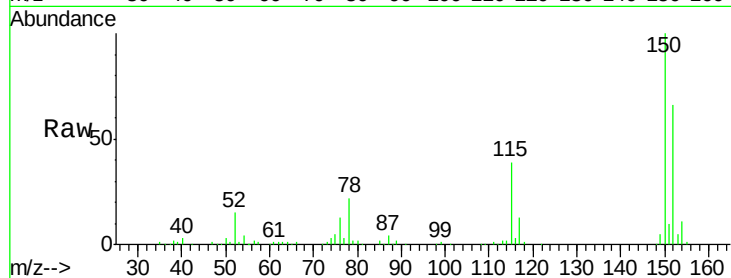
Tgt Ion:152 Resp: 102847

Ion Ratio Lower Upper

152 100

150 150.6 123.8 185.6

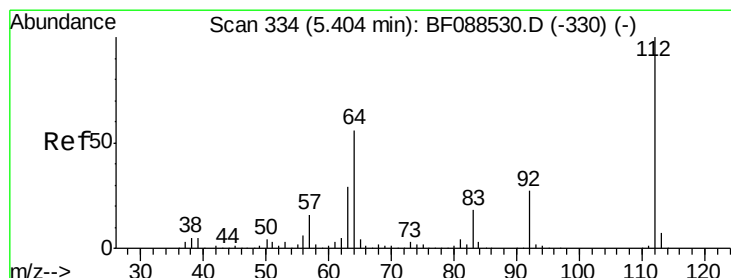
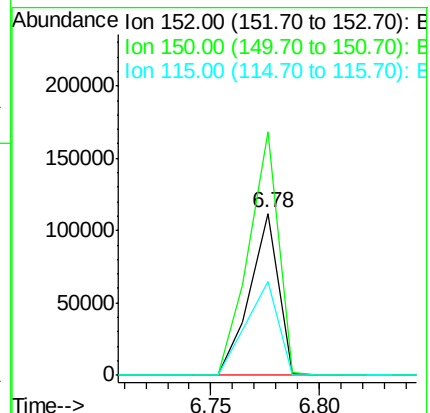
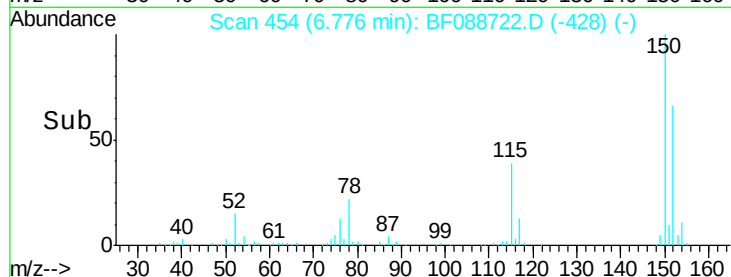
115 58.2 39.6 59.4



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: 82.04 ng

RT: 5.37 min Scan# 331

Delta R.T. 0.00 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

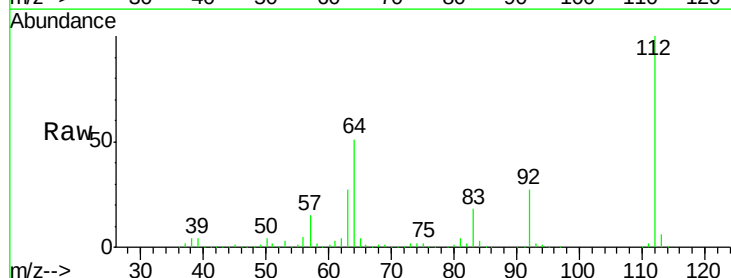
Tgt Ion:112 Resp: 562960

Ion Ratio Lower Upper

112 100

64 50.9 42.2 63.2

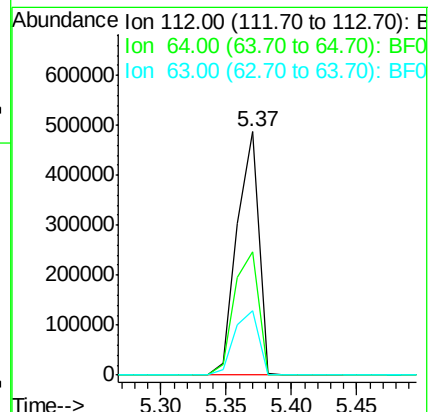
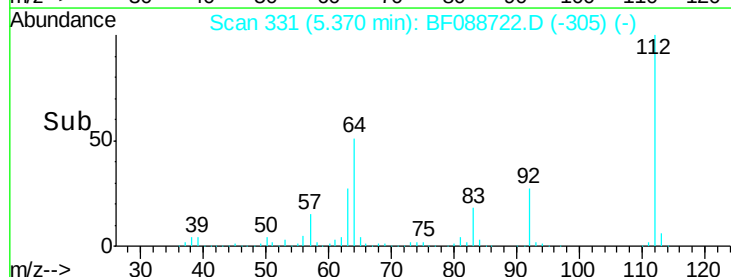
63 26.5 21.8 32.8

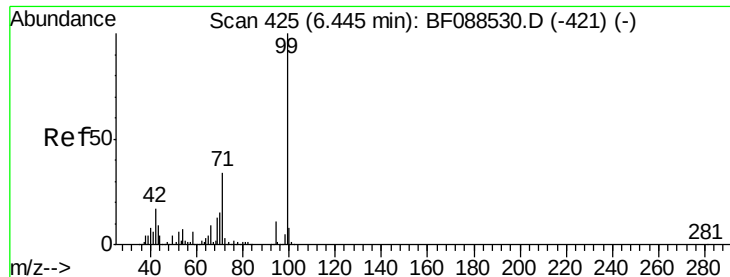


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 82.78 ng

RT: 6.41 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

Q6-B4-0-6-C

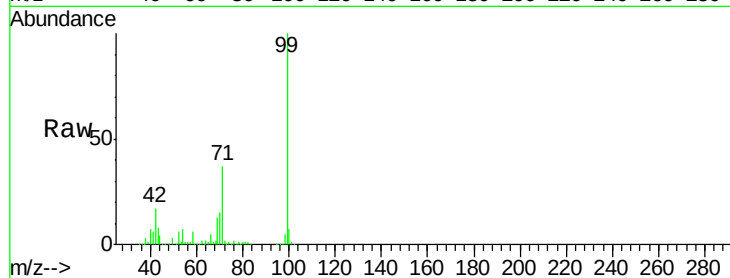
Tgt Ion: 99 Resp: 733990

Ion Ratio Lower Upper

99 100

42 17.0 12.2 18.2

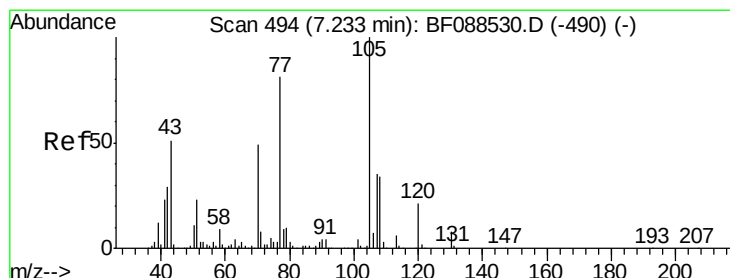
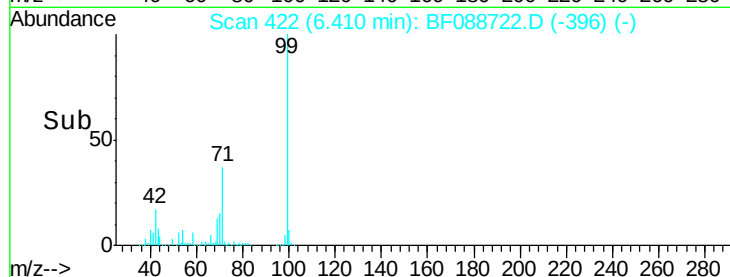
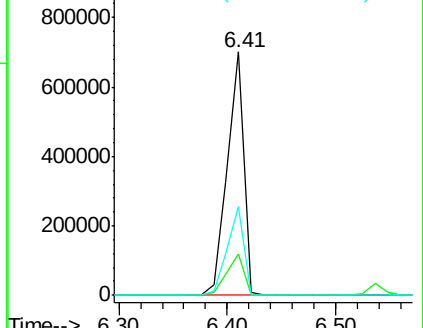
71 36.6 23.4 35.0#



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: 10.29 ng

RT: 7.34 min Scan# 503

Delta R.T. 0.14 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

Tgt Ion: 70 Resp: 61273

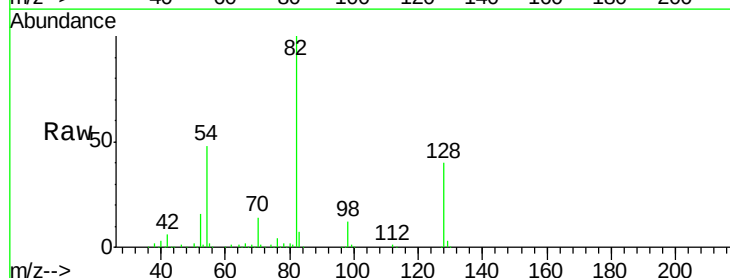
Ion Ratio Lower Upper

70 100

42 43.0 49.6 74.4#

101 0.0 7.1 10.7#

130 1.9 15.4 23.2#

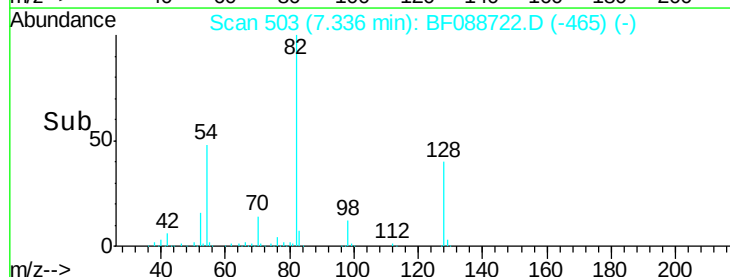
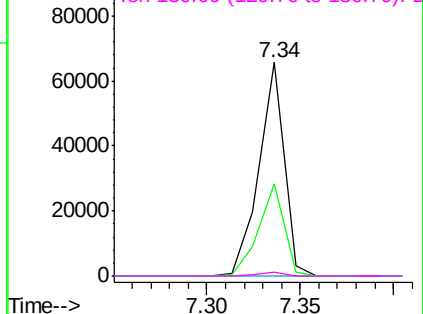


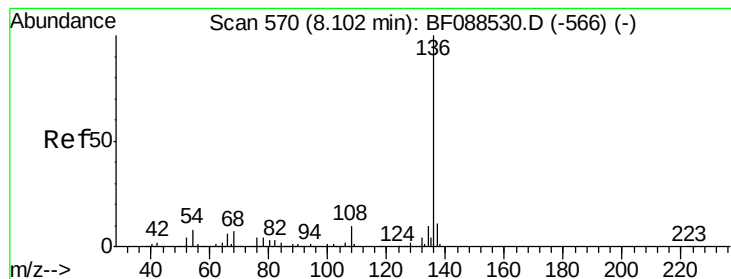
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.06 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

Q6-B4-0-6-C

Tgt Ion: 136 Resp: 420439

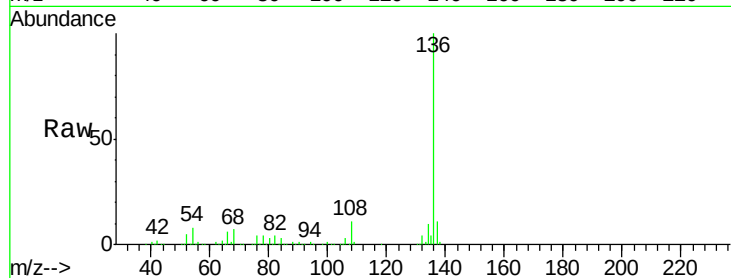
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.3 6.6 10.0

68 6.7 5.1 7.7

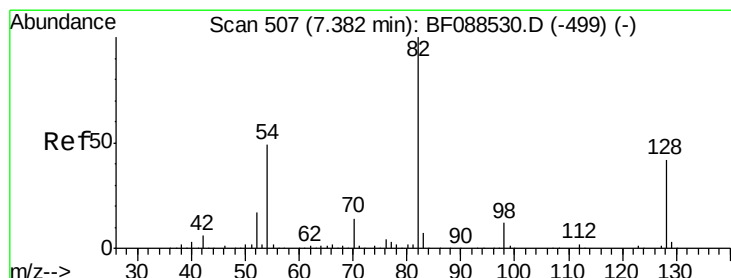
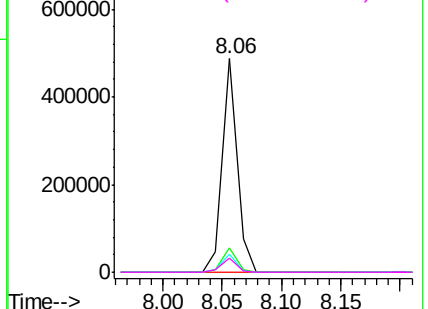
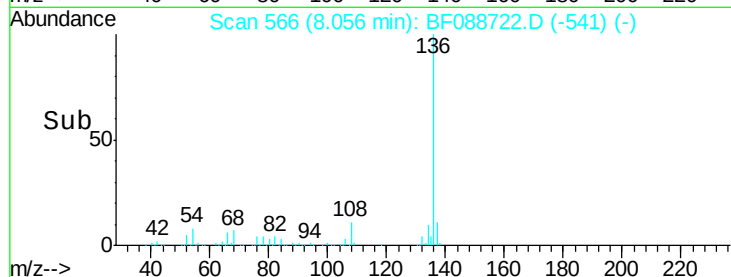


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.92 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

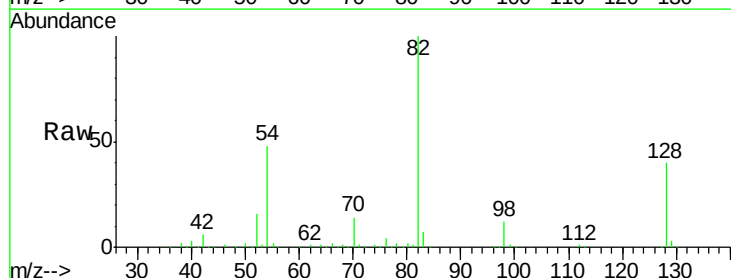
Tgt Ion: 82 Resp: 448634

Ion Ratio Lower Upper

82 100

128 40.5 35.9 53.9

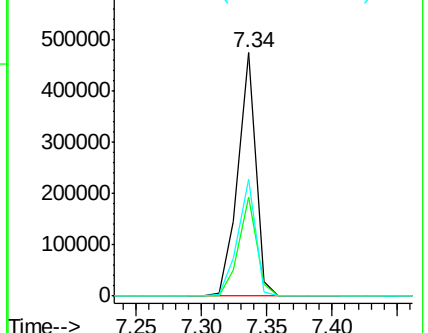
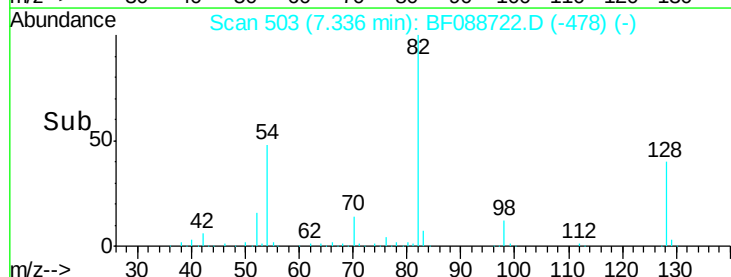
54 47.9 40.9 61.3

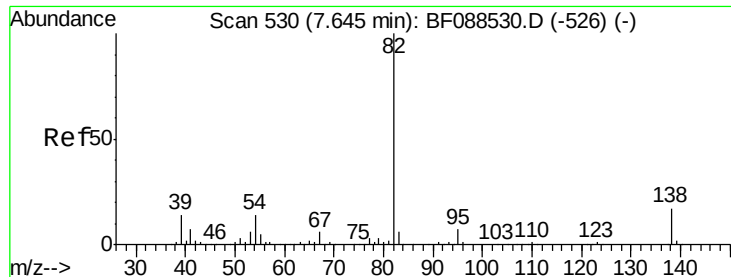


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 23.28 ng

RT: 7.34 min Scan# 503

Delta R.T. -0.27 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

Q6-B4-0-6-C

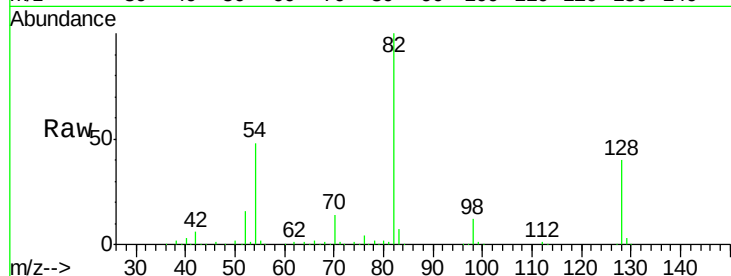
Tgt Ion: 82 Resp: 346024

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

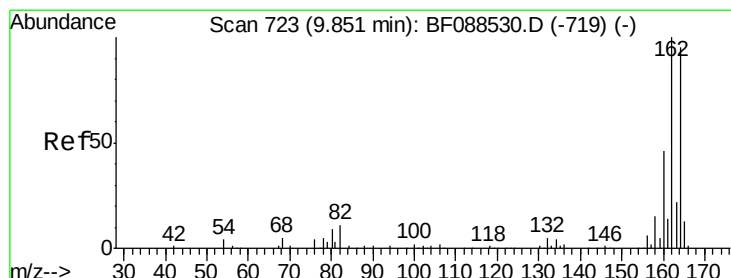
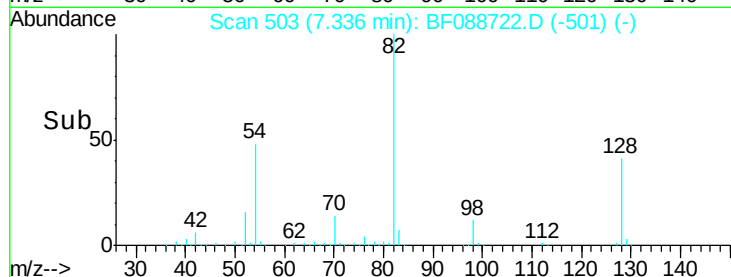
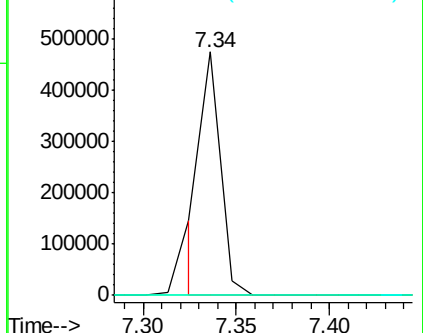
138 0.0 14.6 21.8#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

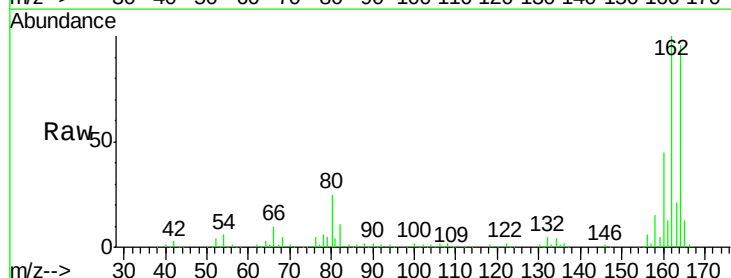
Tgt Ion: 164 Resp: 192022

Ion Ratio Lower Upper

164 100

162 104.0 85.4 128.2

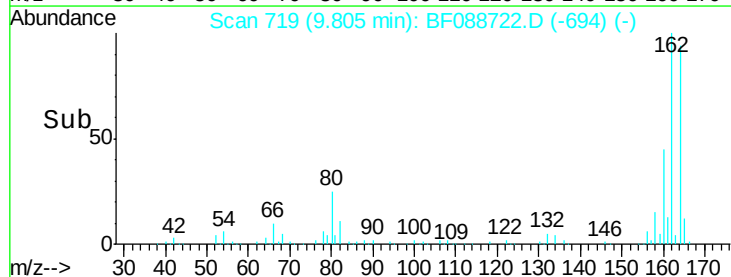
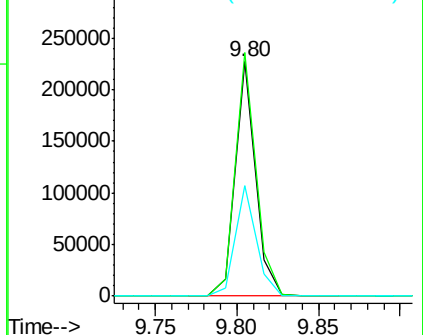
160 47.1 39.5 59.3

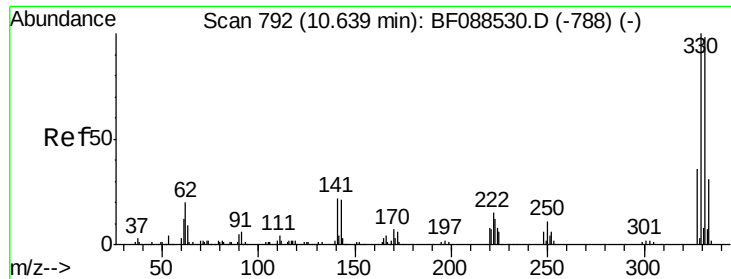


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

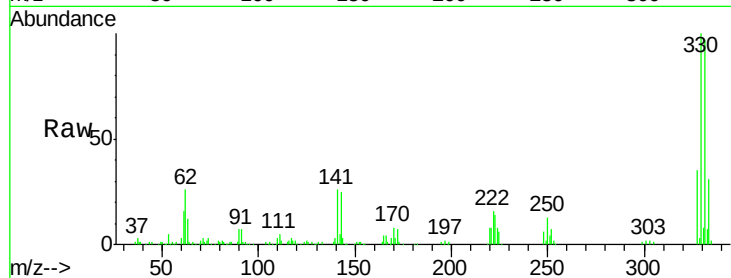




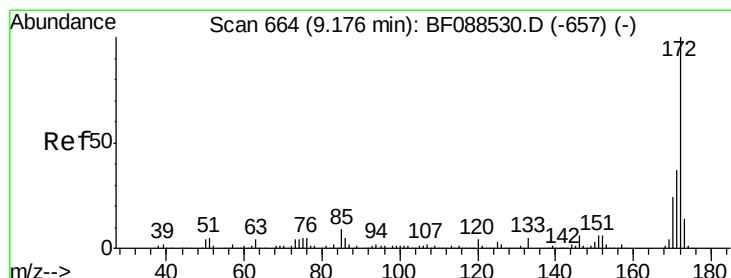
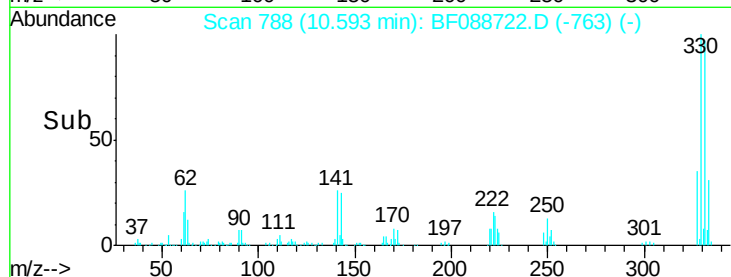
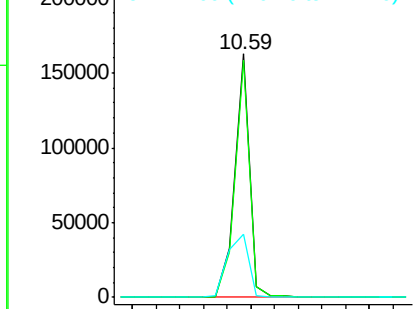
#41
 2,4,6-Tribromophenol
 Concen: 79.44 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF088722.D
 Acq: 6 Jul 2016 00:36

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B4-0-6-C

Tgt Ion:330 Resp: 141658
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 37.4 0.0 0.0#

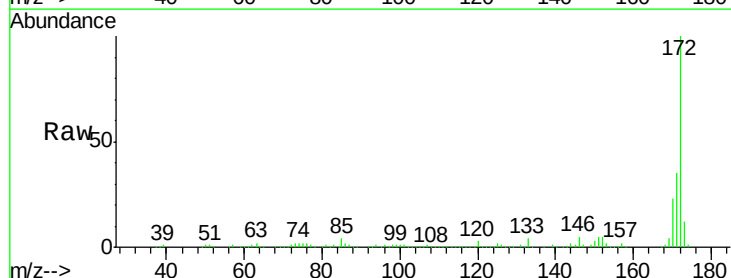


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

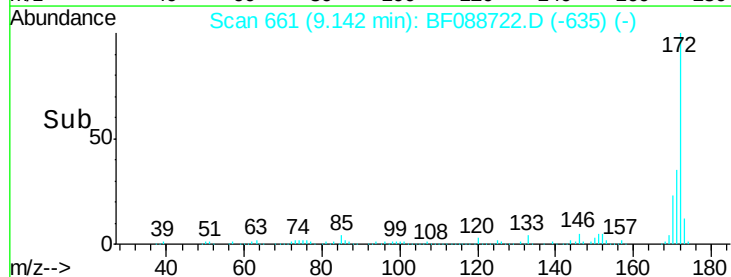
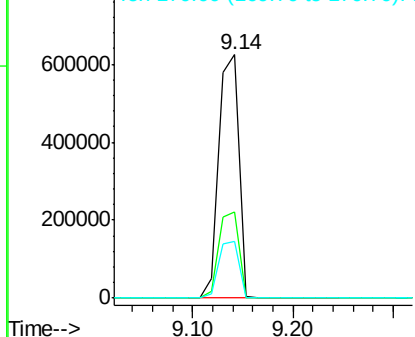


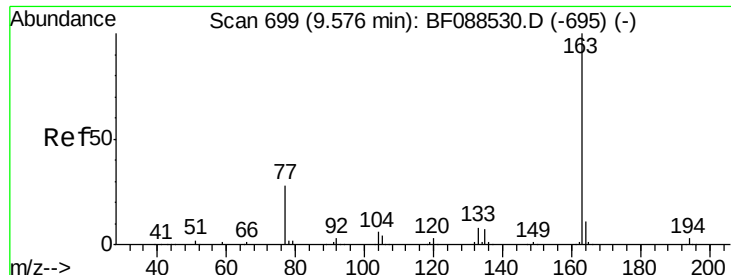
#44
 2-Fluorobiphenyl
 Concen: 71.28 ng
 RT: 9.14 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: BF088722.D
 Acq: 6 Jul 2016 00:36

Tgt Ion:172 Resp: 866464
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.4 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: 10.56 ng

RT: 9.53 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

Q6-B4-0-6-C

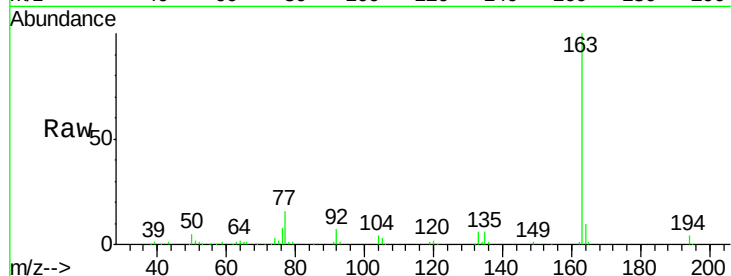
Tgt Ion:163 Resp: 144446

Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

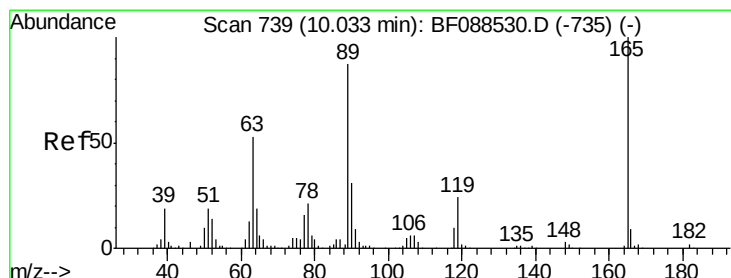
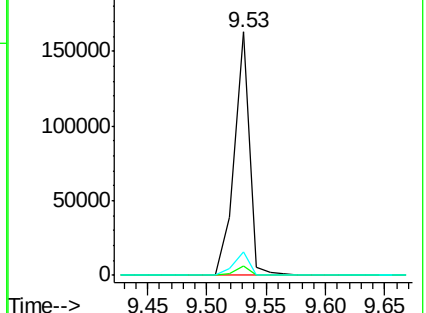
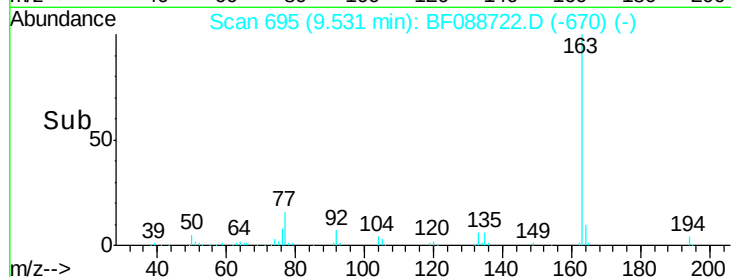
164 9.6 8.3 12.5



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: 6.20 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.19 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

Tgt Ion:165 Resp: 24576

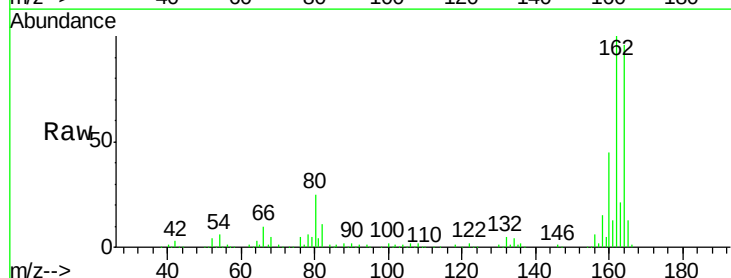
Ion Ratio Lower Upper

165 100

63 1.7 22.0 33.0#

89 1.6 41.1 61.7#

182 0.0 2.0 3.0#

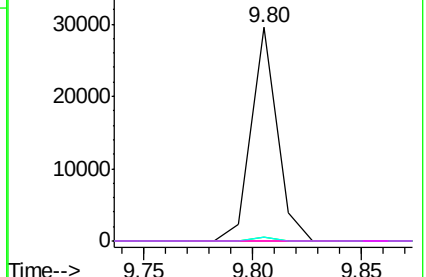
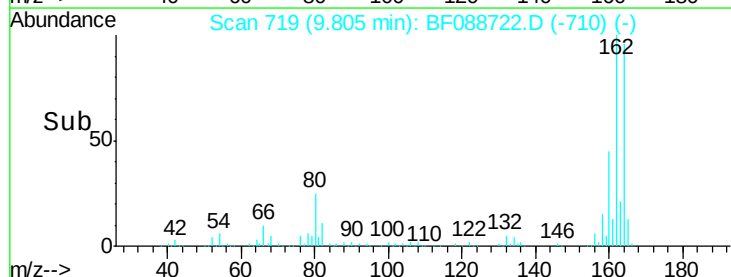


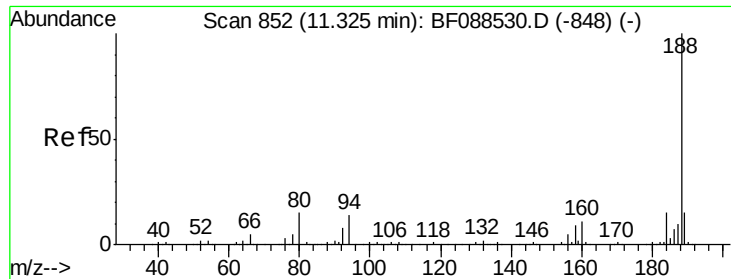
Abundance Ion 165.00 (164.70 to 165.70): E

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

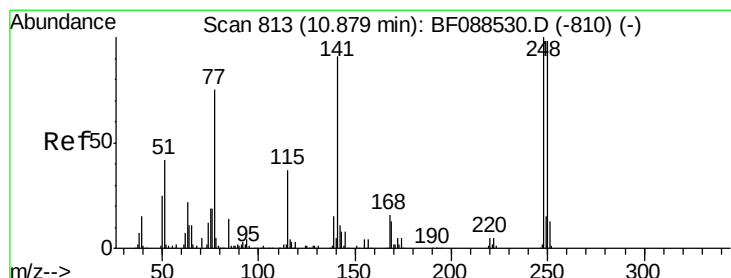
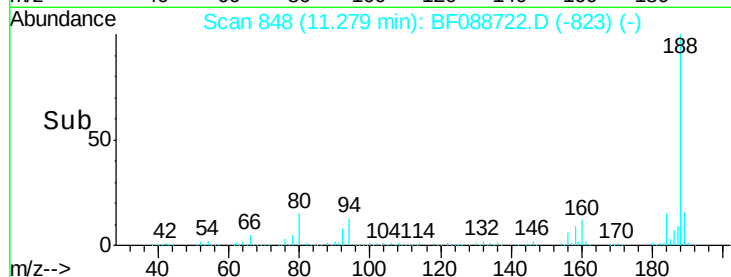
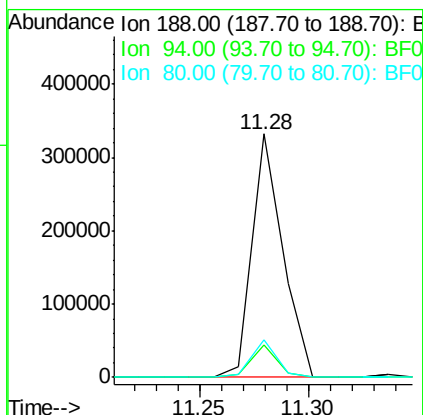
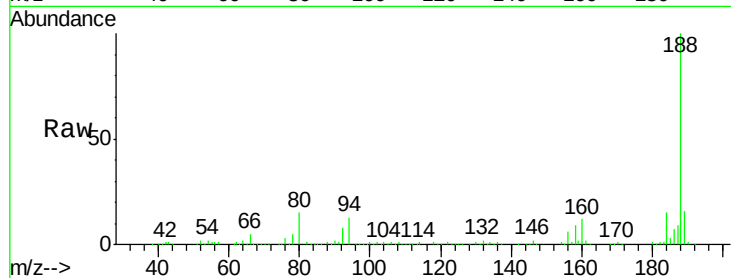




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BF088722.D
 Acq: 6 Jul 2016 00:36

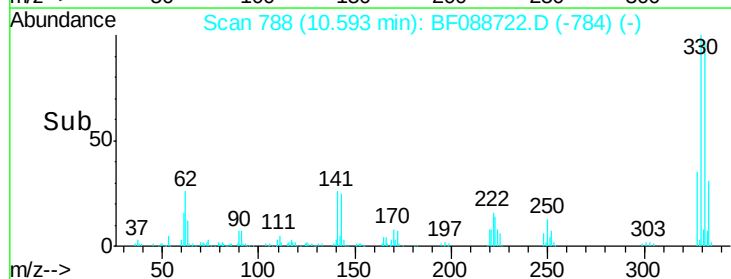
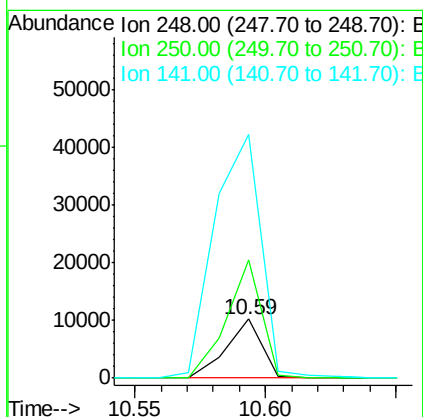
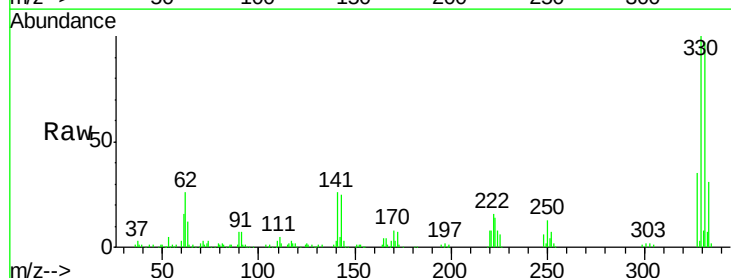
Instrument :
 BNA_F
 ClientSampleId :
 Q6-B4-0-6-C

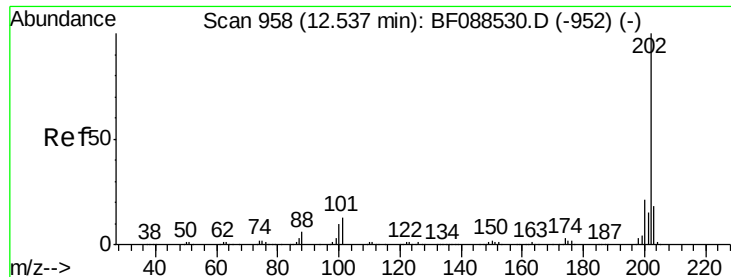
Tgt Ion:188 Resp: 326037
 Ion Ratio Lower Upper
 188 100
 94 13.2 9.0 13.6
 80 15.4 10.0 15.0#



#66
 4-Bromophenyl-phenylether
 Concen: 2.98 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.25 min
 Lab File: BF088722.D
 Acq: 6 Jul 2016 00:36

Tgt Ion:248 Resp: 9778
 Ion Ratio Lower Upper
 248 100
 250 199.5 77.1 115.7#
 141 412.6 50.6 76.0#

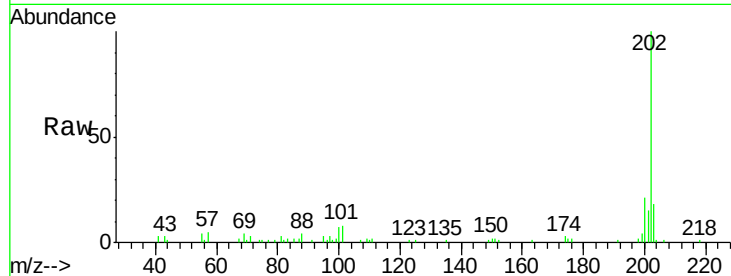




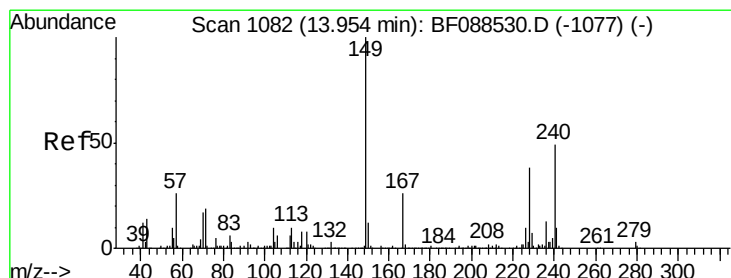
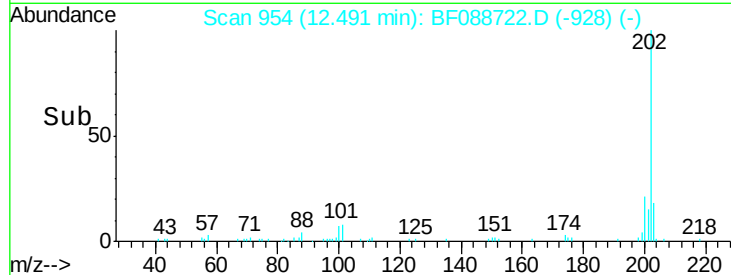
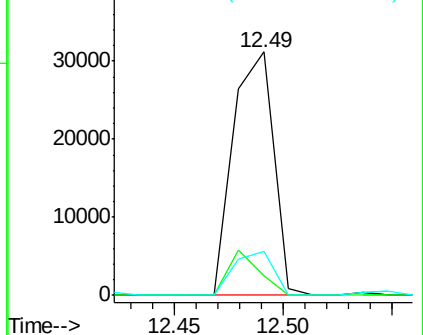
#74
Fluoranthene
Concen: 2.22 ng
RT: 12.49 min Scan# 954
Delta R.T. 0.00 min
Lab File: BF088722.D
Acq: 6 Jul 2016 00:36

Instrument :
BNA_F
ClientSampleId :
Q6-B4-0-6-C

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	33.1
203	17.8	0.0	38.1

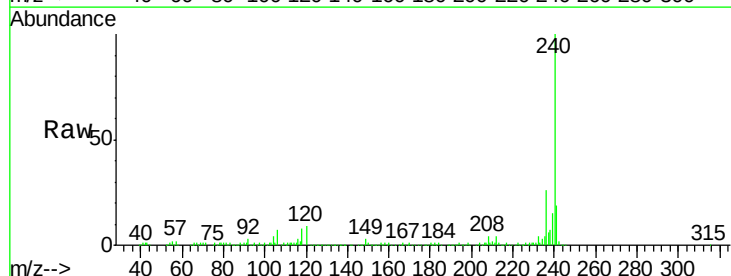


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

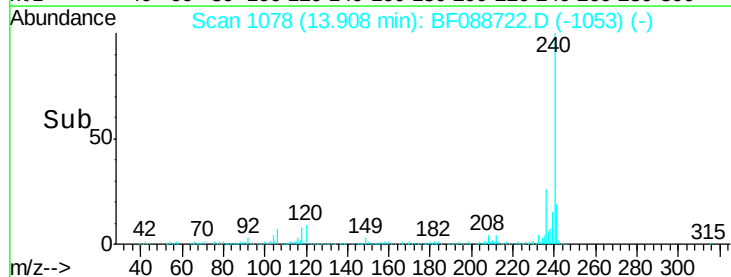
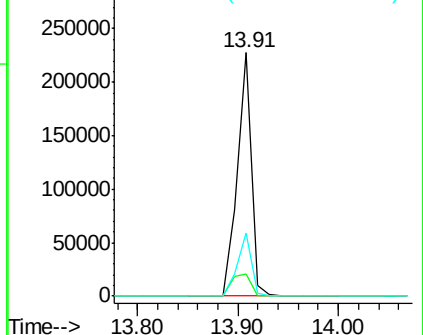


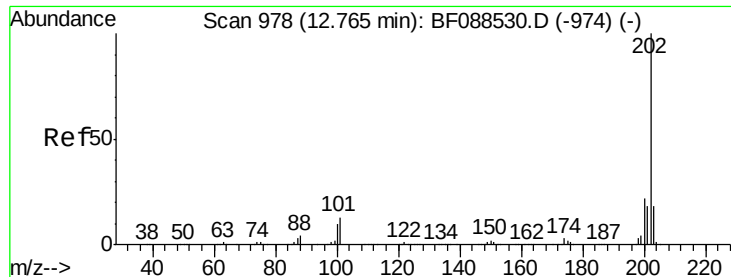
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.91 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BF088722.D
Acq: 6 Jul 2016 00:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	6.8	10.2
236	26.0	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: 2.01 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

Instrument :

BNA_F

ClientSampleId :

Q6-B4-0-6-C

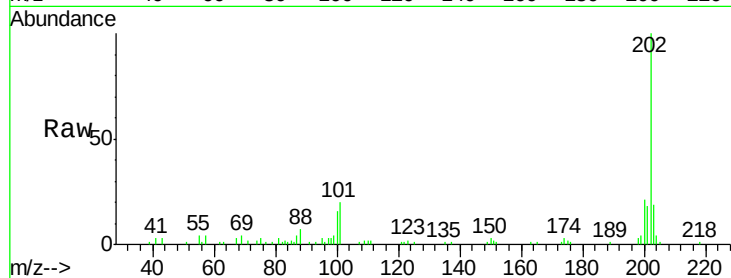
Tgt Ion:202 Resp: 37742

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

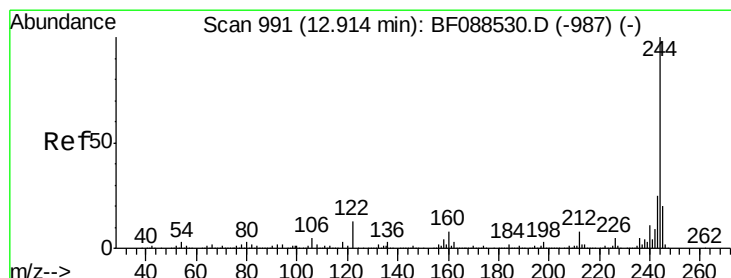
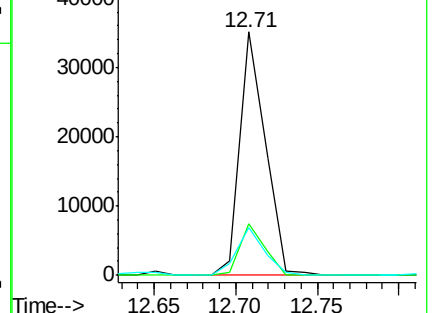
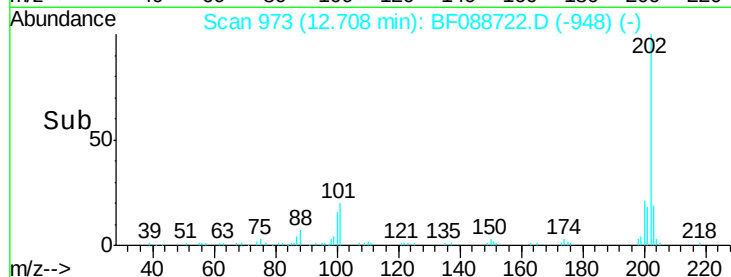
203 19.5 14.5 21.7



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: 64.97 ng

RT: 12.87 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF088722.D

Acq: 6 Jul 2016 00:36

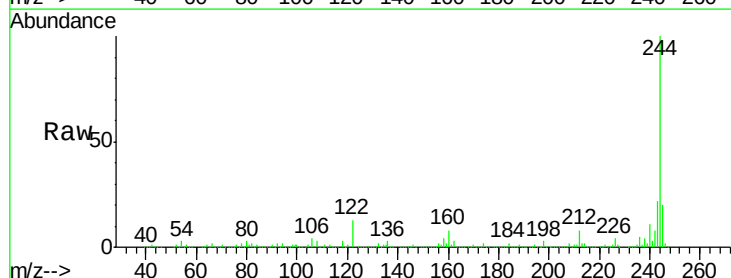
Tgt Ion:244 Resp: 645483

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

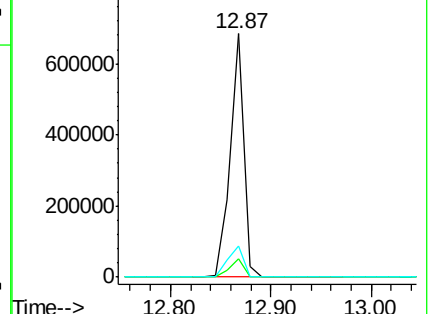
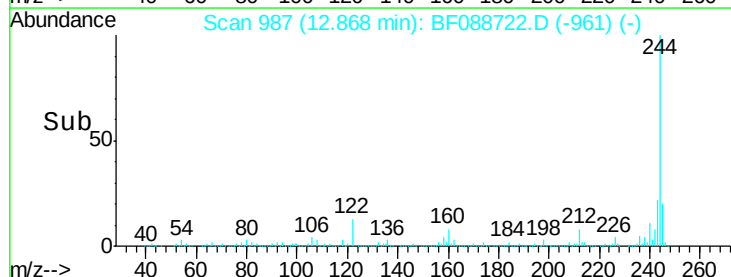
122 12.6 11.2 16.8

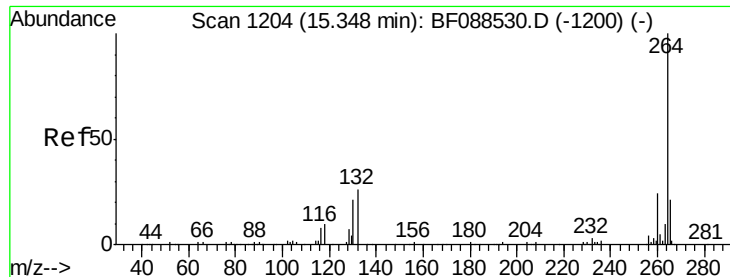


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



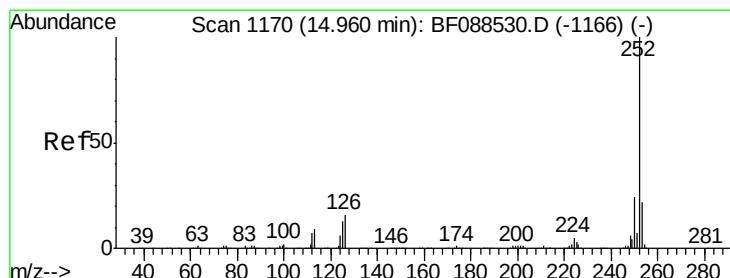
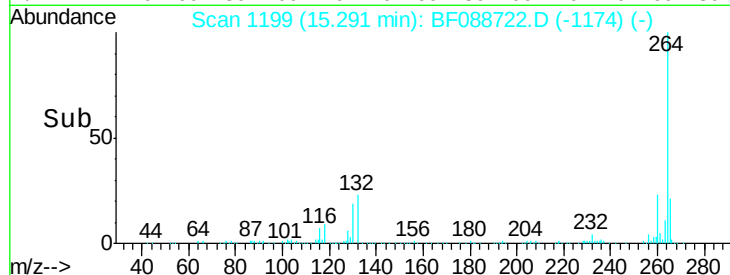
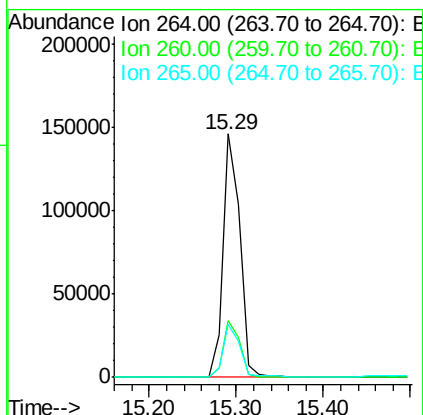
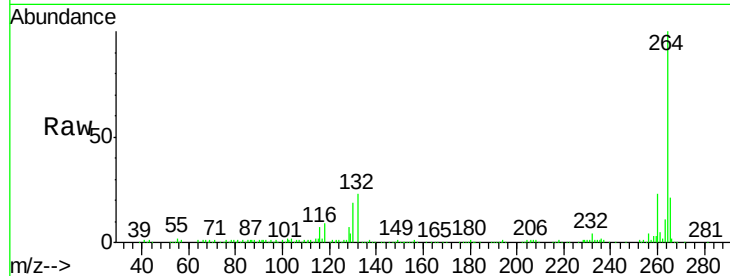


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF088722.D
Acq: 6 Jul 2016 00:36

Instrument :
BNA_F
ClientSampleId :
Q6-B4-0-6-C

Tgt Ion: 264 Resp: 198143

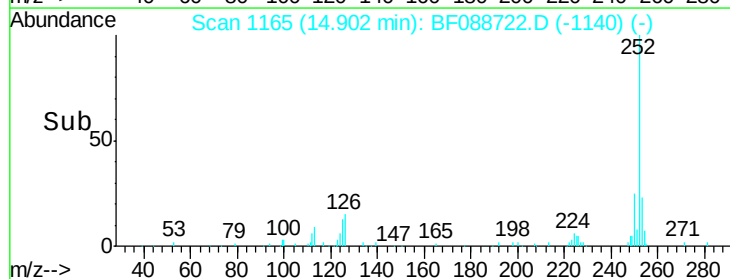
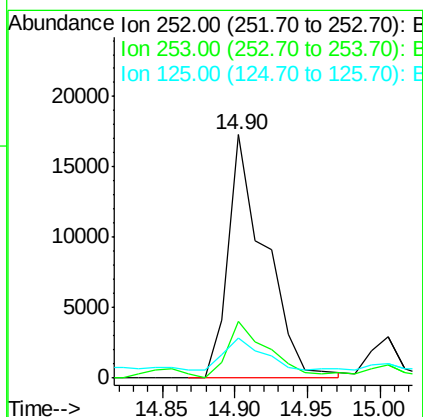
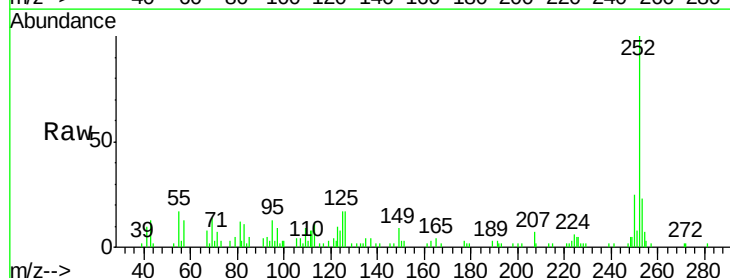
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	16.9	25.3

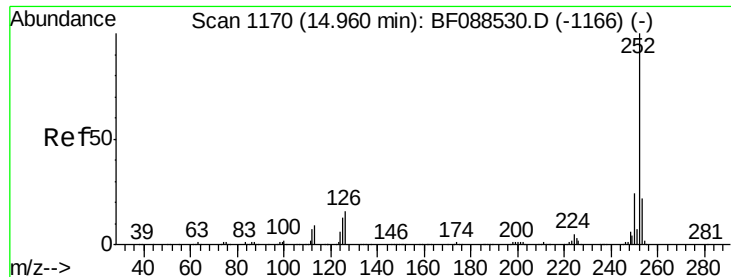


#87
Benzo(b)fluoranthene
Concen: 2.48 ng
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF088722.D
Acq: 6 Jul 2016 00:36

Tgt Ion: 252 Resp: 30765

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	16.6	7.1	10.7#





#88
 Benzo(k)fluoranthene
 Concen: 2.84 ng
 RT: 14.90 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF088722.D
 Acq: 6 Jul 2016 00:36

Instrument :
 BNA_F
 ClientSampleId :
 Q6-B4-0-6-C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	16.6	11.2	16.8

