

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084999.D
 Acq On : 10 Feb 2016 18:08
 Operator : SJ/IZ
 Sample : H1386-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B018(10-12)

Quant Time: Feb 11 00:21:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 10 13:28:51 2016
 Response via : Initial Calibration

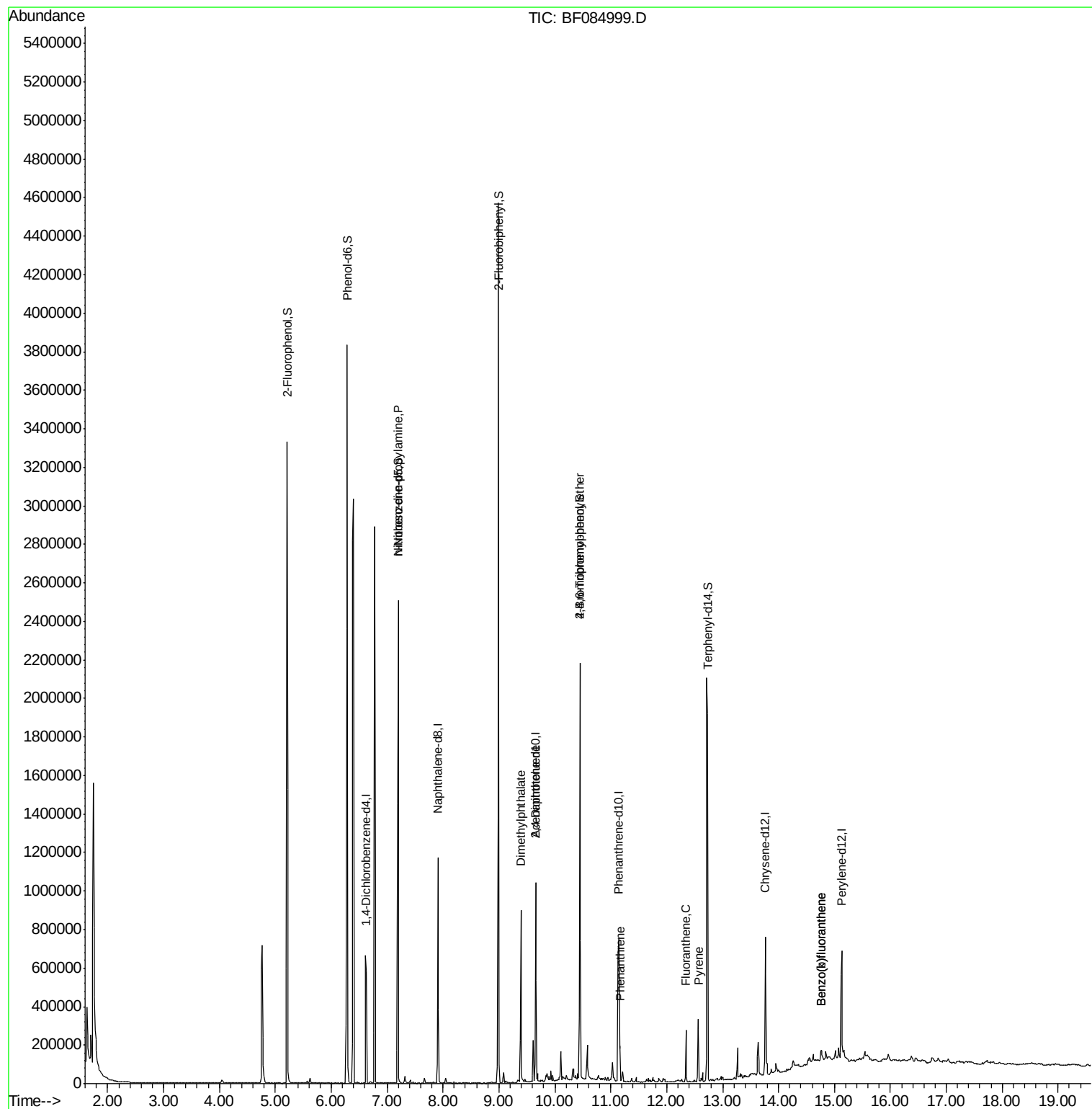
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	141289	20.00	ng	0.00
21) Naphthalene-d8	7.91	136	566483	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	235338	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	395391	20.00	ng	0.00
75) Chrysene-d12	13.76	240	300602	20.00	ng	-0.01
86) Perylene-d12	15.13	264	281015	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	1097442	120.98	ng	0.01
7) Phenol-d6	6.28	99	1557031	138.46	ng	0.00
23) Nitrobenzene-d5	7.20	82	969160	96.38	ng	0.00
41) 2,4,6-Tribromophenol	10.44	330	276359	112.58	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	1371334	107.80	ng	0.00
78) Terphenyl-d14	12.73	244	973060	73.35	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	133022	18.87	ng	# 75
49) Dimethylphthalate	9.39	163	351873	19.63	ng	# 90
56) 2,4-Dinitrotoluene	9.66	165	29799	5.97	ng	# 21
66) 4-Bromophenyl-phenylether	10.44	248	16358	3.75	ng	# 1
70) Phenanthrene	11.16	178	104597	4.77	ng	99
74) Fluoranthene	12.34	202	101019	4.55	ng	96
77) Pyrene	12.57	202	86907	3.78	ng	99
87) Benzo(b)fluoranthene	14.77	252	45566	2.41	ng	# 93
88) Benzo(k)fluoranthene	14.77	252	45566	2.92	ng	94

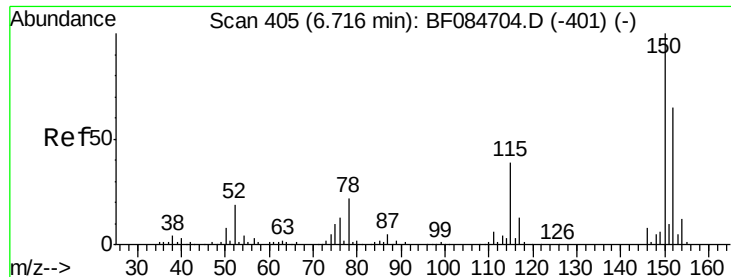
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 441

Delta R.T. -0.00 min

Lab File: BF084999.D

Acq: 10 Feb 2016 18:08

Instrument :

BNA_F

ClientSampleId :

S4-B018(10-12)

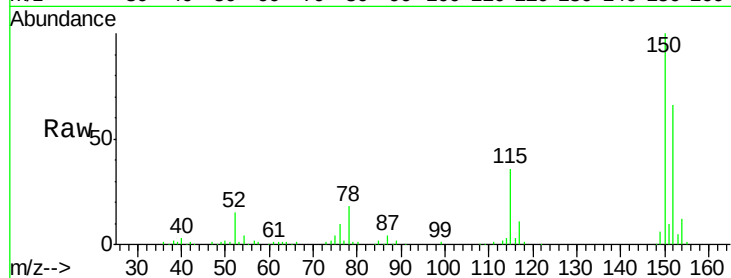
Tgt Ion:152 Resp: 141289

Ion Ratio Lower Upper

152 100

150 152.6 123.0 184.4

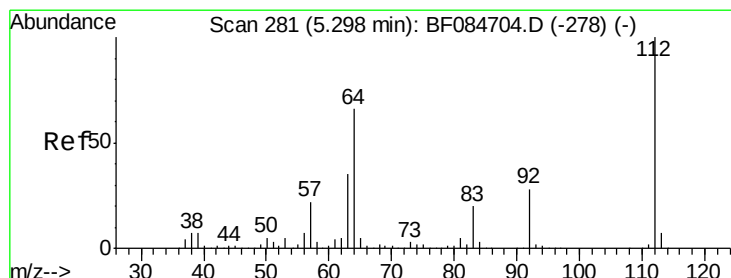
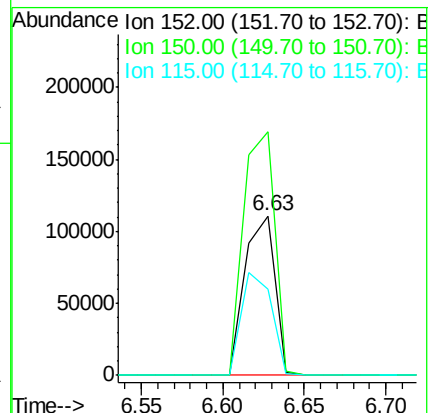
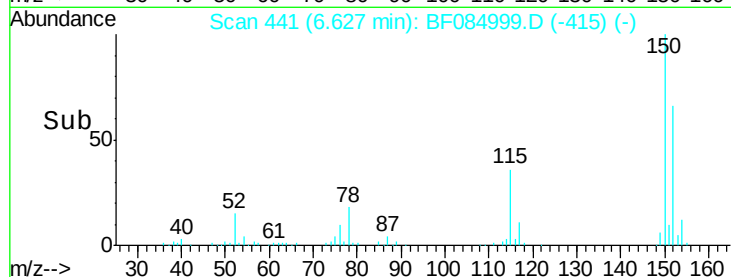
115 54.3 51.4 77.2



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: 120.98 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.01 min

Lab File: BF084999.D

Acq: 10 Feb 2016 18:08

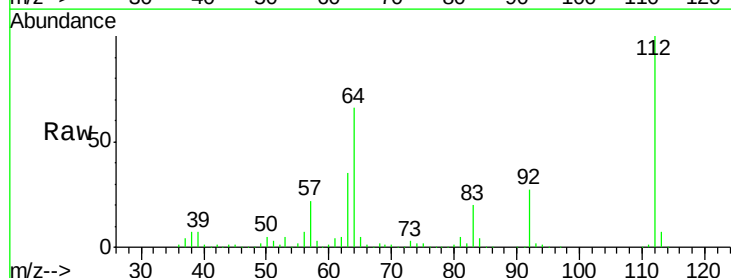
Tgt Ion:112 Resp: 1097442

Ion Ratio Lower Upper

112 100

64 65.7 36.6 55.0#

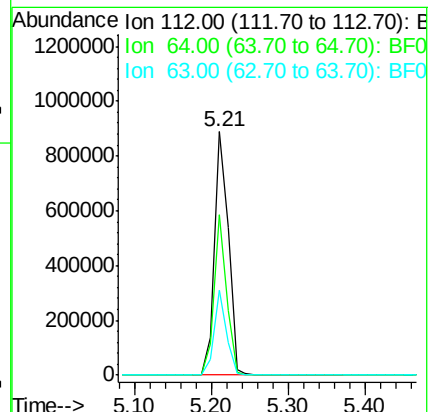
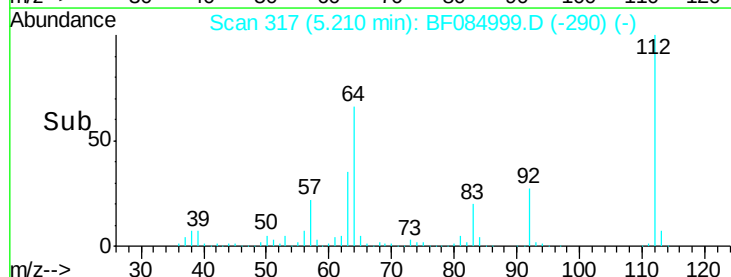
63 34.7 19.4 29.0#

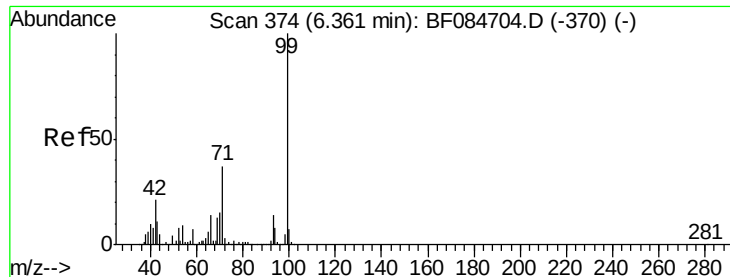


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 138.46 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF084999.D

Acq: 10 Feb 2016 18:08

Instrument :

BNA_F

ClientSampleId :

S4-B018(10-12)

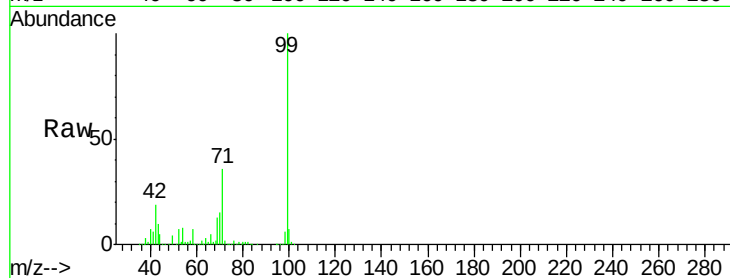
Tgt Ion: 99 Resp: 1557031

Ion Ratio Lower Upper

99 100

42 18.7 12.8 19.2

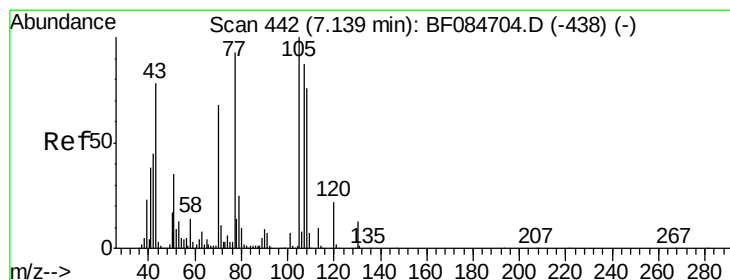
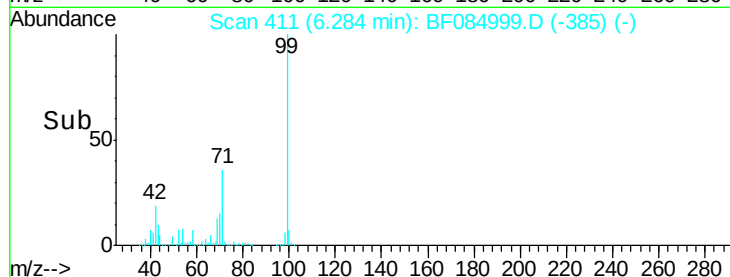
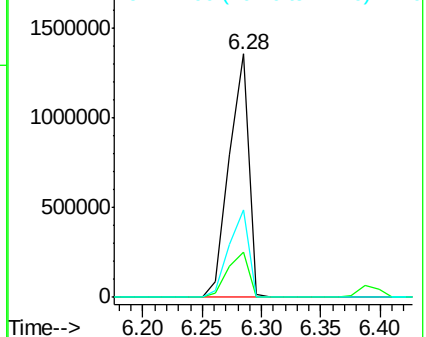
71 35.8 30.9 46.3



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: 18.87 ng

RT: 7.20 min Scan# 491

Delta R.T. 0.14 min

Lab File: BF084999.D

Acq: 10 Feb 2016 18:08

Tgt Ion: 70 Resp: 133022

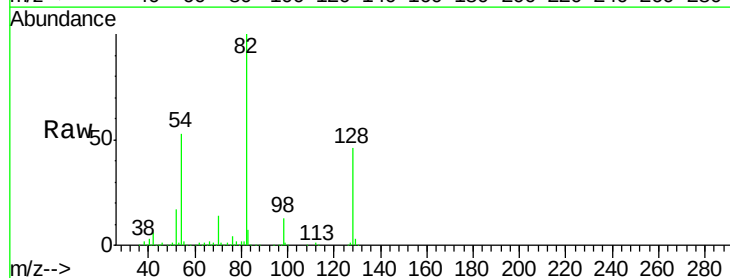
Ion Ratio Lower Upper

70 100

42 45.2 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

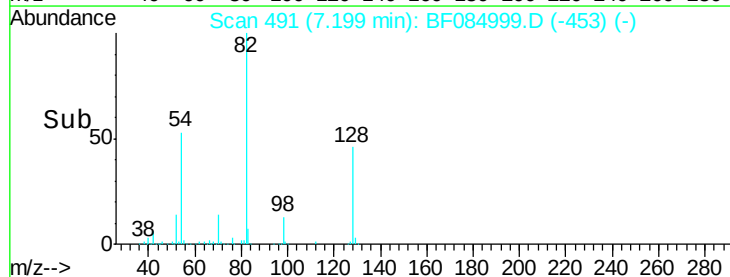
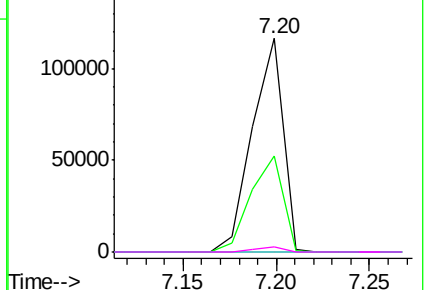


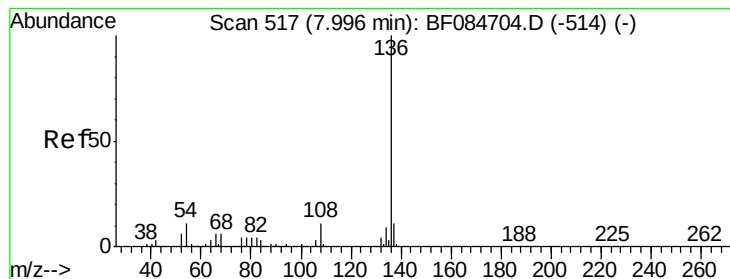
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF084999.D

Acq: 10 Feb 2016 18:08

Instrument :

BNA_F

ClientSampleId :

S4-B018(10-12)

Tgt Ion:136 Resp: 566483

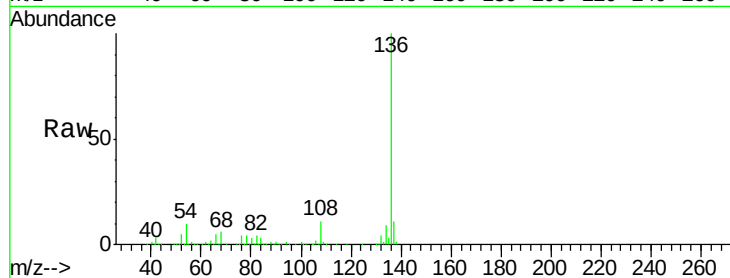
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 9.7 5.8 8.8#

68 5.6 4.2 6.2

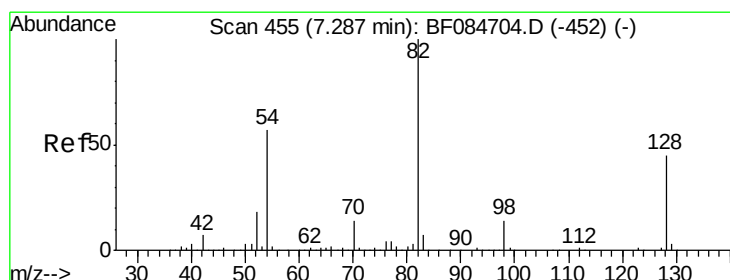
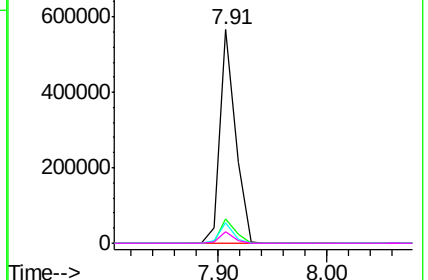
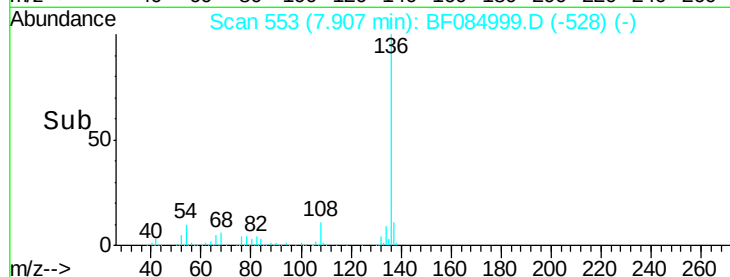


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.38 ng

RT: 7.20 min Scan# 491

Delta R.T. -0.00 min

Lab File: BF084999.D

Acq: 10 Feb 2016 18:08

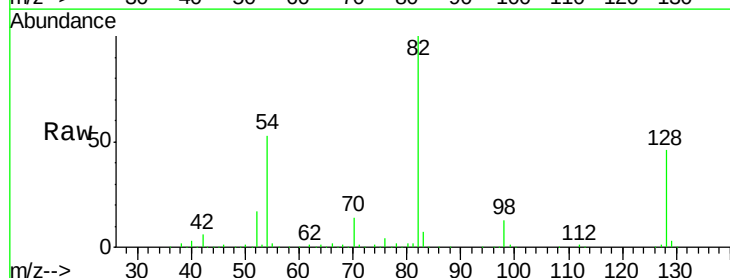
Tgt Ion: 82 Resp: 969160

Ion Ratio Lower Upper

82 100

128 46.3 34.6 51.8

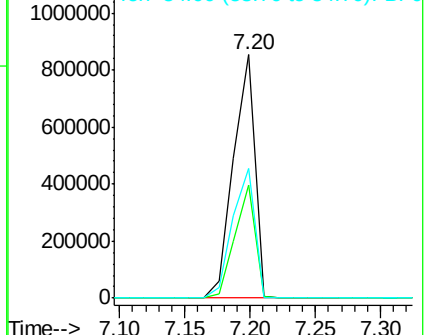
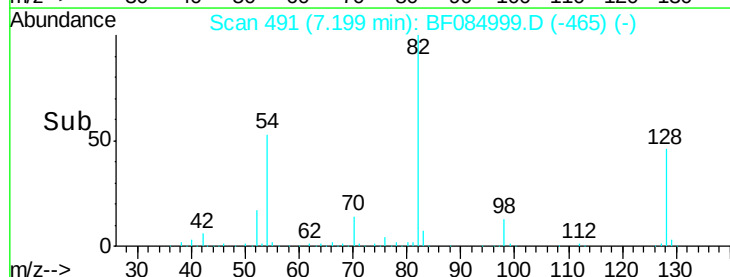
54 53.5 38.4 57.6

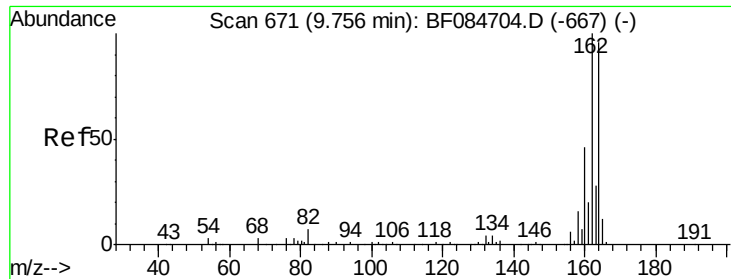


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

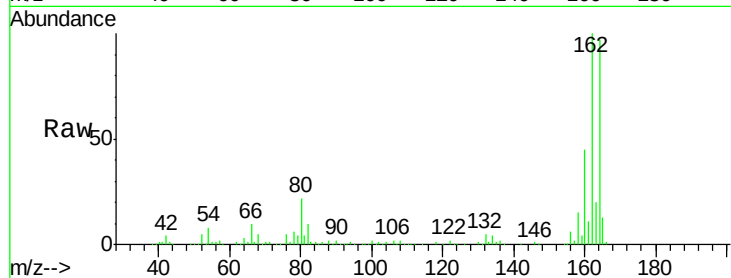




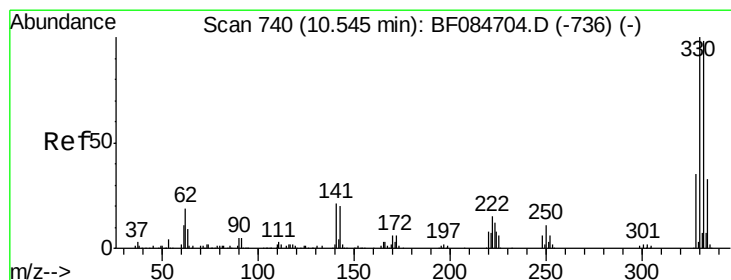
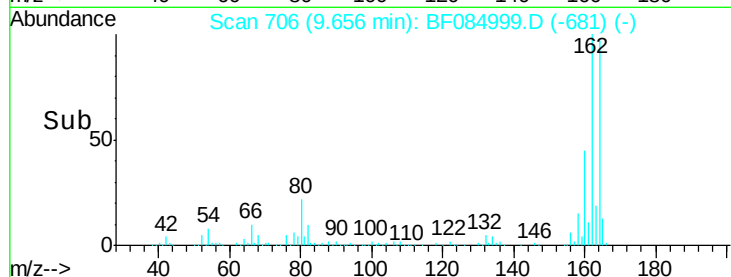
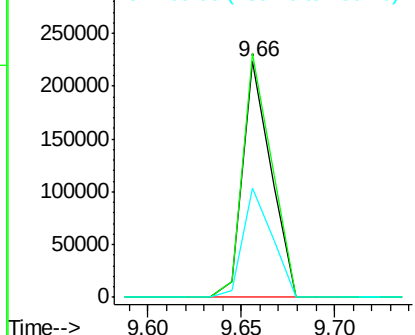
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF084999.D
 Acq: 10 Feb 2016 18:08

Instrument :
 BNA_F
 ClientSampleId :
 S4-B018(10-12)

Tgt Ion:164 Resp: 235338
 Ion Ratio Lower Upper
 164 100
 162 103.4 85.1 127.7
 160 46.7 37.5 56.3

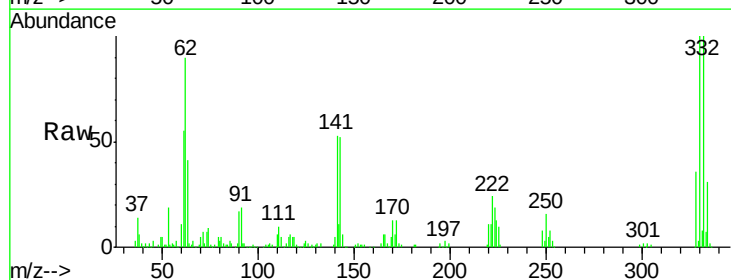


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

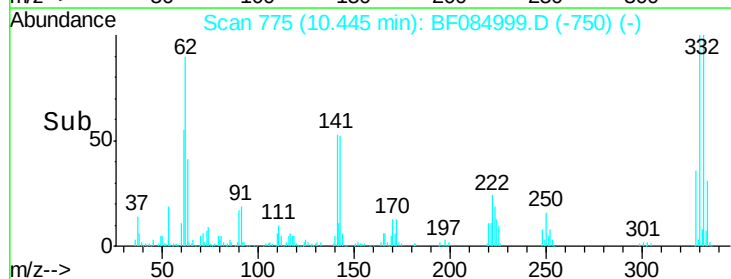
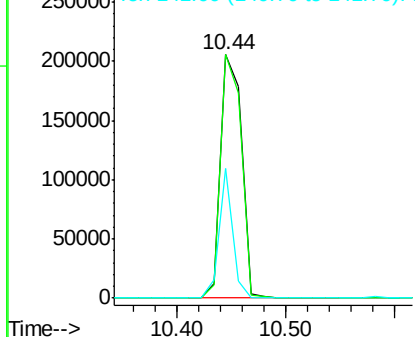


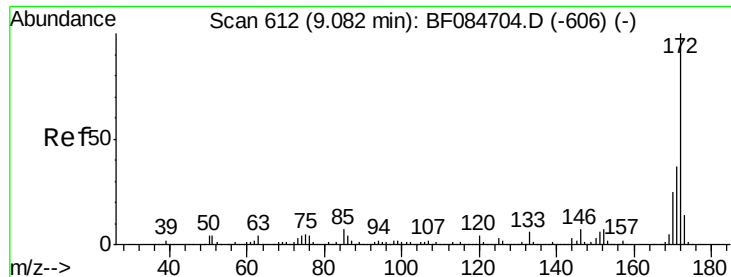
#41
 2,4,6-Tribromophenol
 Concen: 112.58 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF084999.D
 Acq: 10 Feb 2016 18:08

Tgt Ion:330 Resp: 276359
 Ion Ratio Lower Upper
 330 100
 332 98.4 76.6 114.8
 141 35.1 27.8 41.6



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

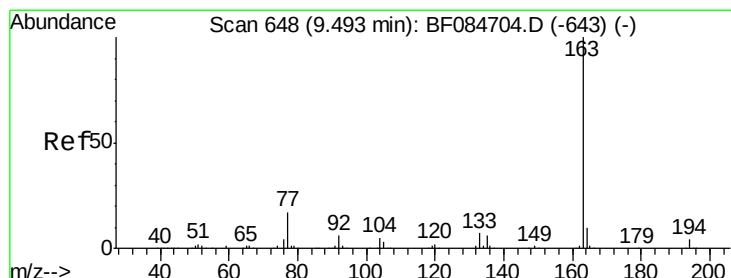
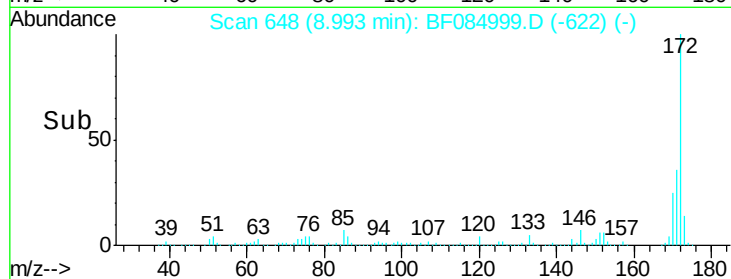
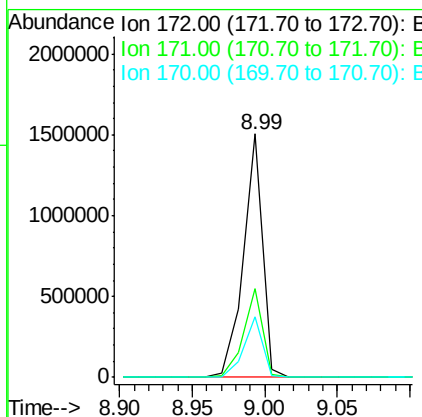
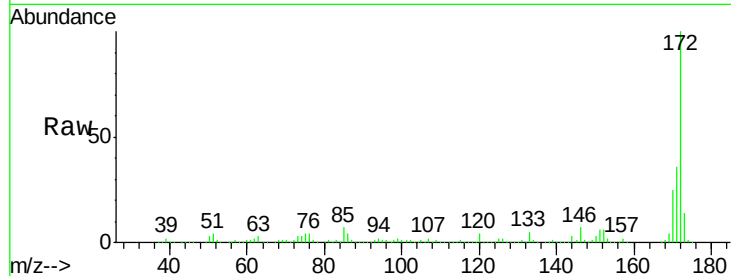




#44
2-Fluorobiphenyl
Concen: 107.80 ng
RT: 8.99 min Scan# 648
Delta R.T. -0.00 min
Lab File: BF084999.D
Acq: 10 Feb 2016 18:08

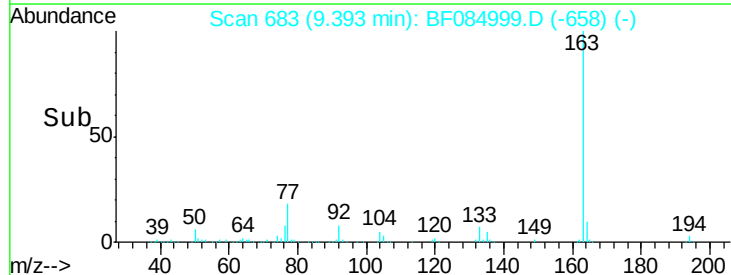
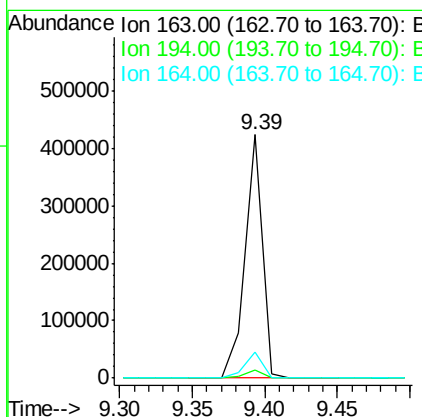
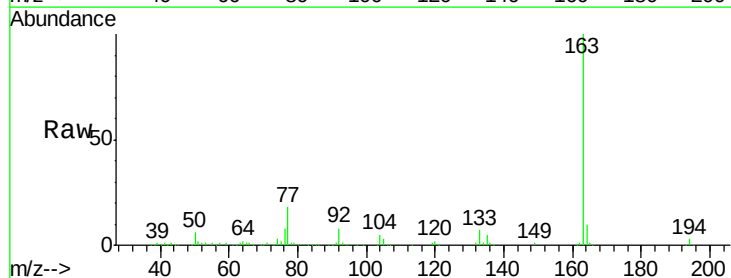
Instrument :
BNA_F
ClientSampleId :
S4-B018(10-12)

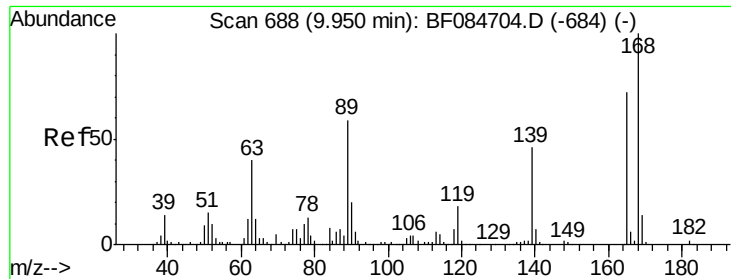
Tgt Ion:172 Resp: 1371334
Ion Ratio Lower Upper
172 100
171 36.5 28.9 43.3
170 25.0 18.6 27.8



#49
Dimethylphthalate
Concen: 19.63 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF084999.D
Acq: 10 Feb 2016 18:08

Tgt Ion:163 Resp: 351873
Ion Ratio Lower Upper
163 100
194 3.4 8.0 12.0#
164 10.5 8.0 12.0

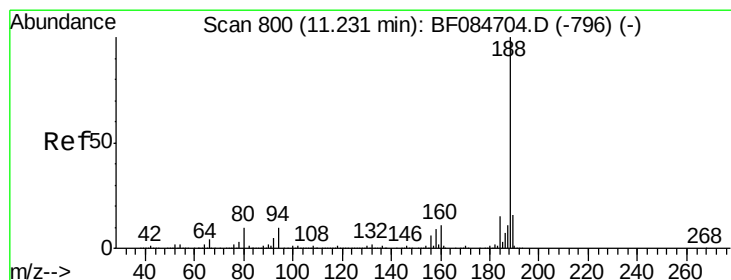
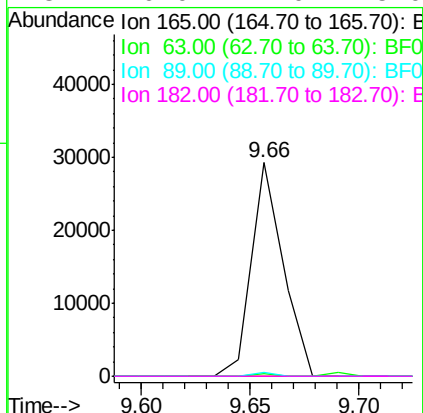
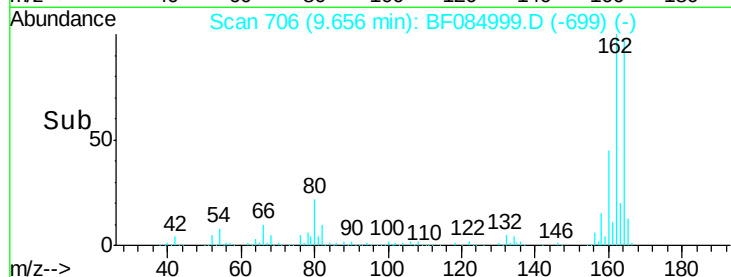
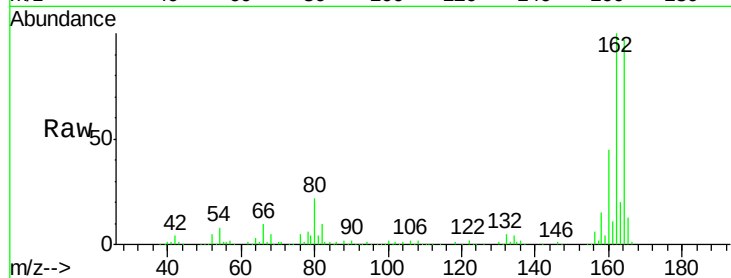




#56
 2,4-Dinitrotoluene
 Concen: 5.97 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.22 min
 Lab File: BF084999.D
 Acq: 10 Feb 2016 18:08

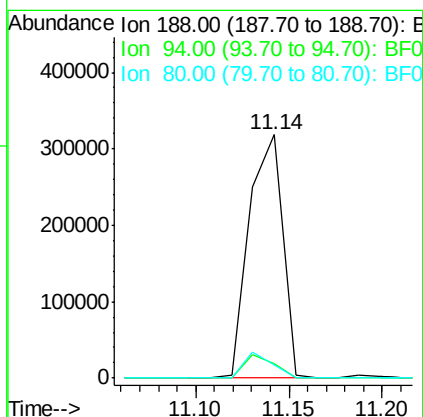
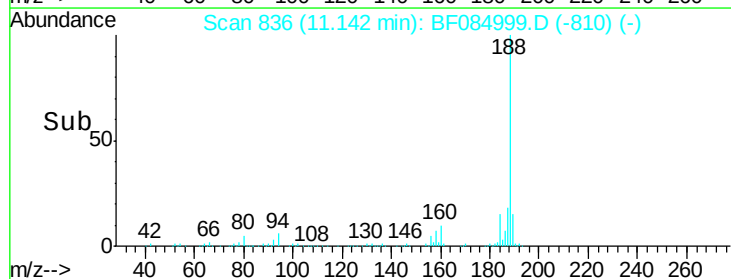
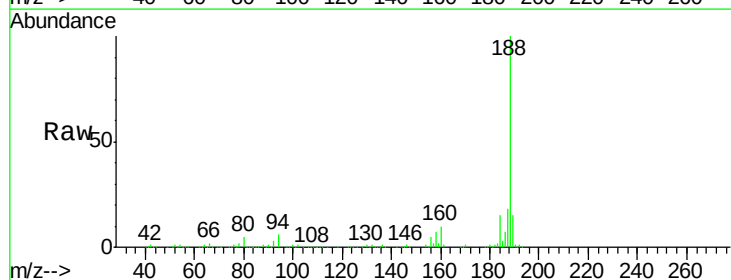
Instrument :
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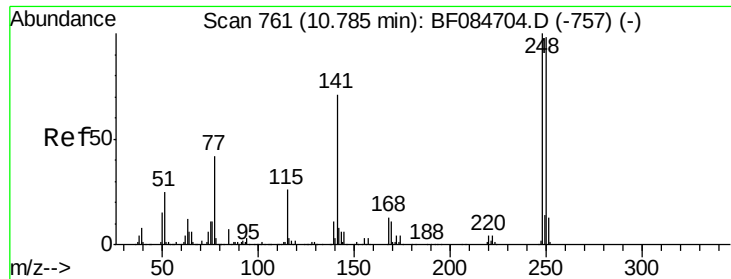
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.7	55.1#
89	1.5	61.9	92.9#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF084999.D
 Acq: 10 Feb 2016 18:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.0	9.0	13.4#
80	5.3	9.6	14.4#

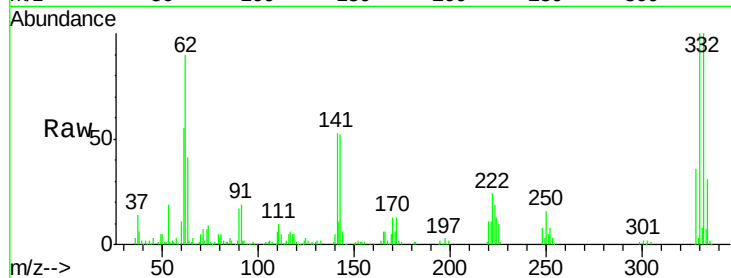




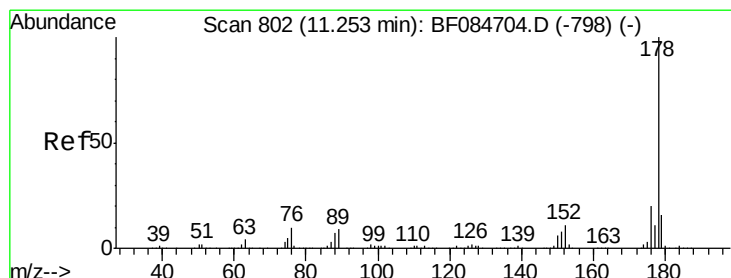
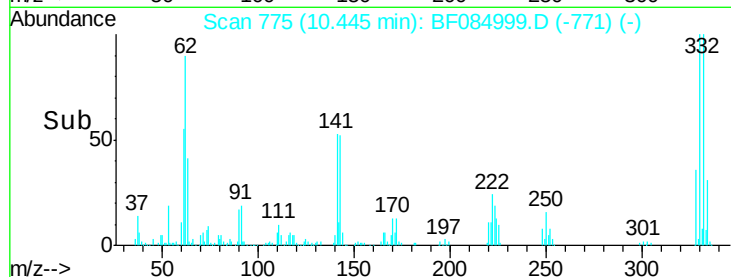
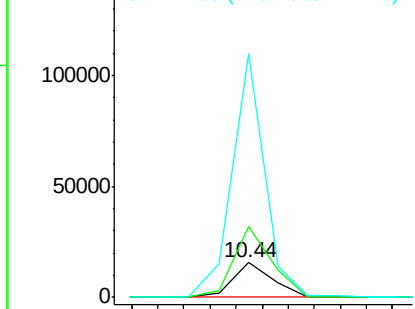
#66
4-Bromophenyl-phenylether
Concen: 3.75 ng
RT: 10.44 min Scan# 775
Delta R.T. -0.25 min
Lab File: BF084999.D
Acq: 10 Feb 2016 18:08

Instrument :
BNA_F
ClientSampleId :
S4-B018(10-12)

Tgt Ion:248 Resp: 16358
Ion Ratio Lower Upper
248 100
250 207.1 78.4 117.6#
141 706.2 44.0 66.0#

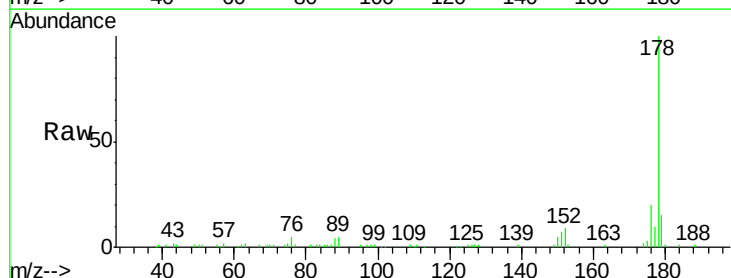


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

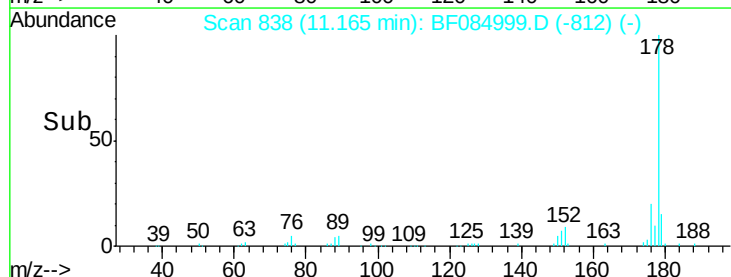
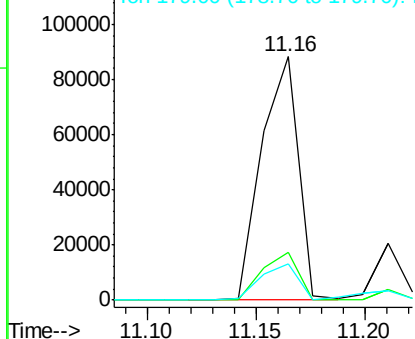


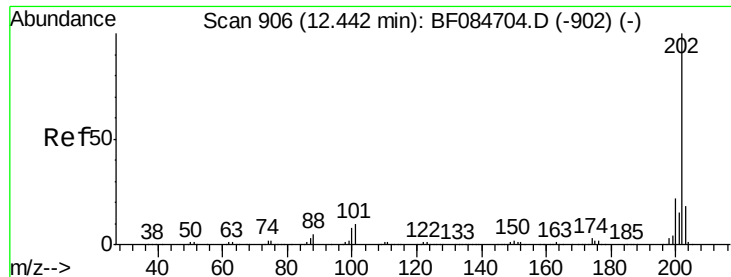
#70
Phenanthrene
Concen: 4.77 ng
RT: 11.16 min Scan# 838
Delta R.T. -0.00 min
Lab File: BF084999.D
Acq: 10 Feb 2016 18:08

Tgt Ion:178 Resp: 104597
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 14.9 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

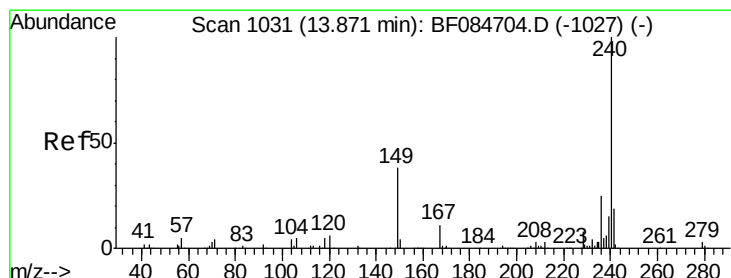
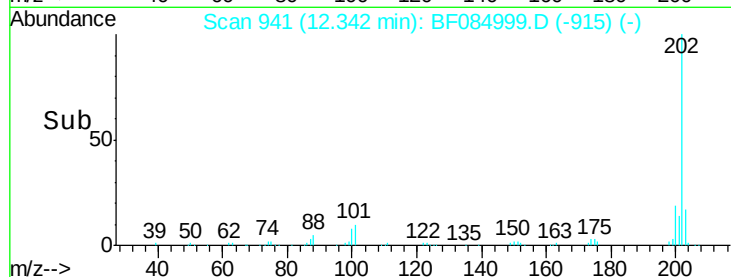
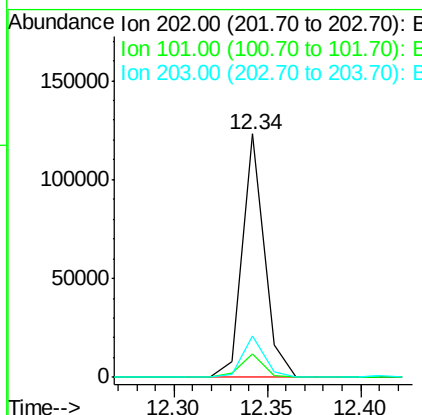
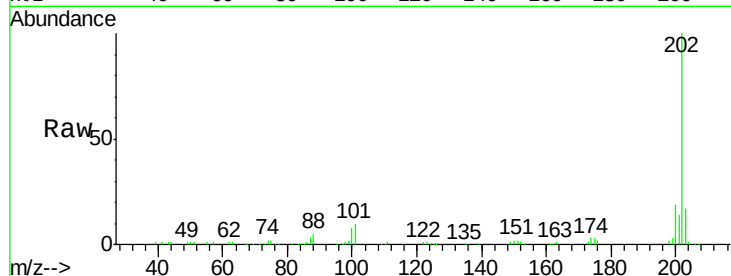




#74
 Fluoranthene
 Concen: 4.55 ng
 RT: 12.34 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: BF084999.D
 Acq: 10 Feb 2016 18:08

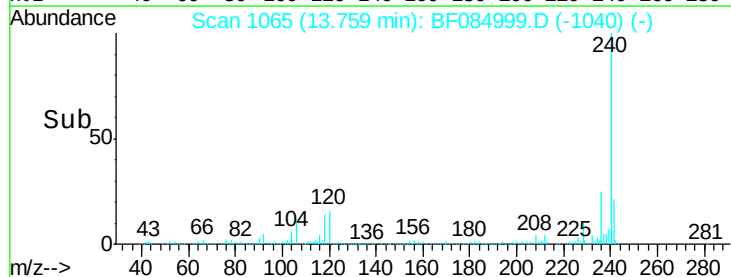
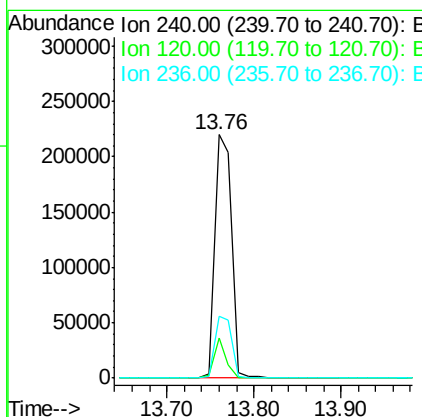
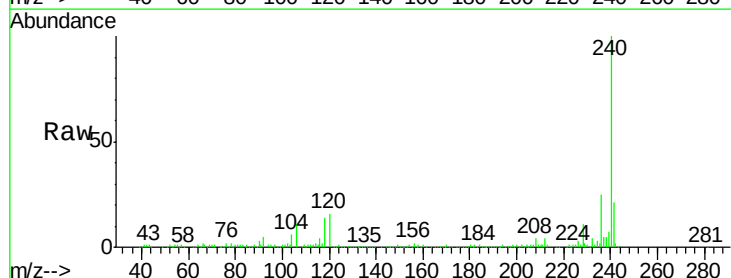
Instrument :
 BNA_F
 ClientSampleId :
 S4-B018(10-12)

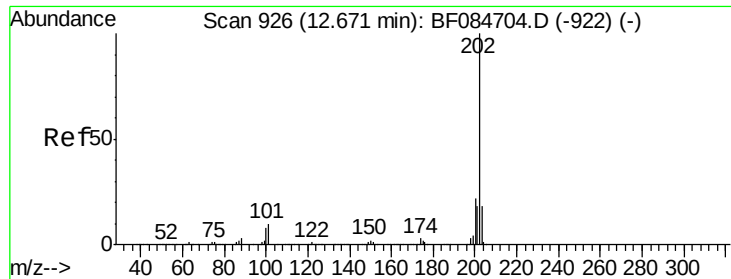
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	32.8
203	17.1	0.0	37.9



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: BF084999.D
 Acq: 10 Feb 2016 18:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.4	9.5	14.3#
236	25.3	20.6	31.0

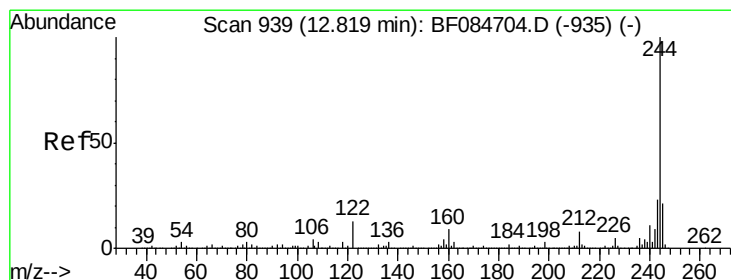
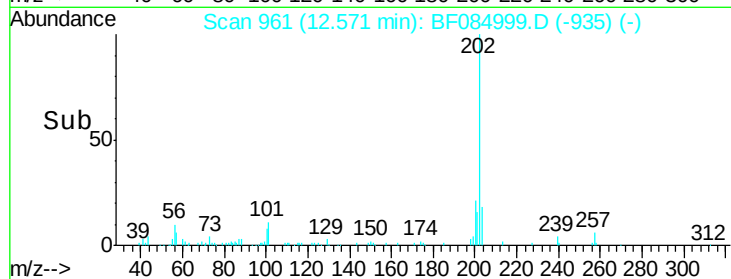
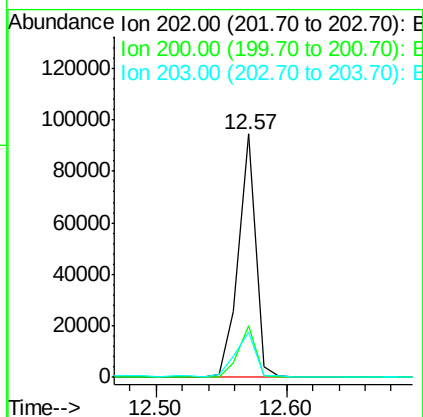
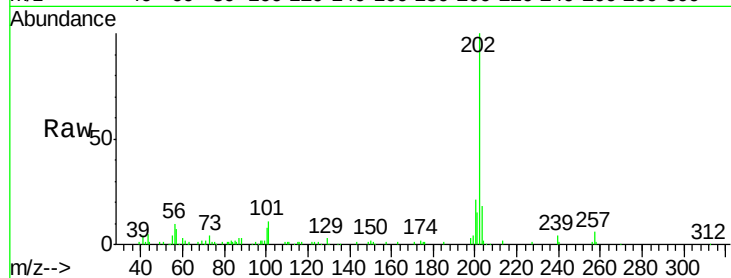




#77
 Pyrene
 Concen: 3.78 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF084999.D
 Acq: 10 Feb 2016 18:08

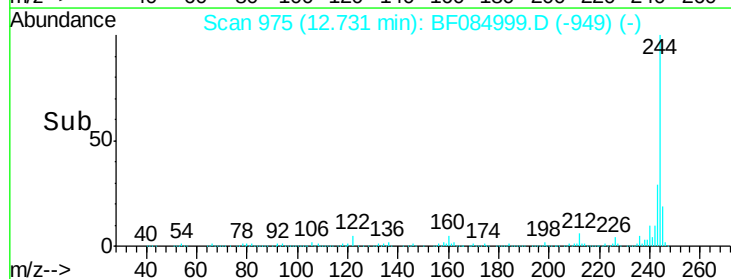
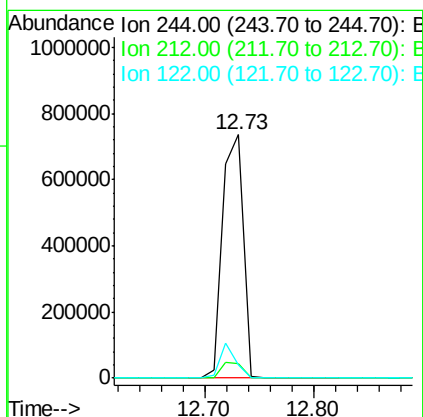
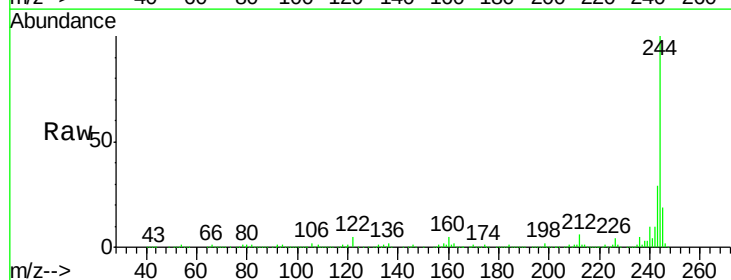
Instrument :
 BNA_F
 ClientSampleId :
 S4-B018(10-12)

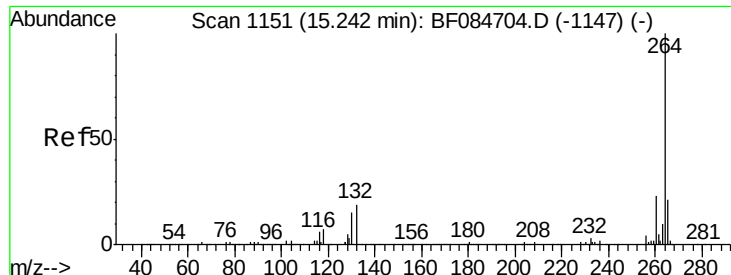
Tgt Ion:202 Resp: 86907
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.2 25.8
 203 18.4 14.3 21.5



#78
 Terphenyl-d14
 Concen: 73.35 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: BF084999.D
 Acq: 10 Feb 2016 18:08

Tgt Ion:244 Resp: 973060
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.7 8.5
 122 5.3 7.4 11.0#

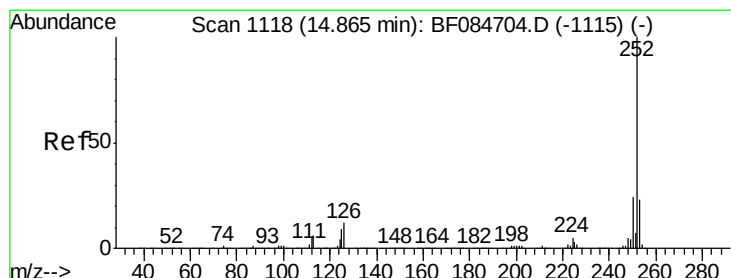
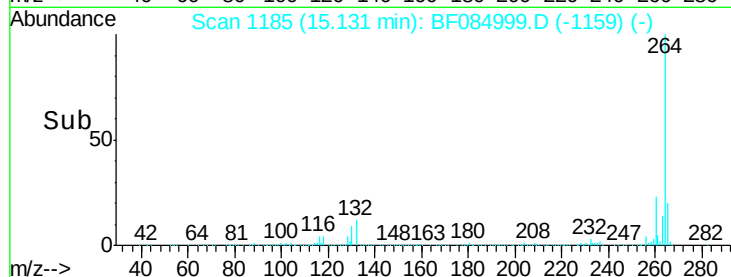
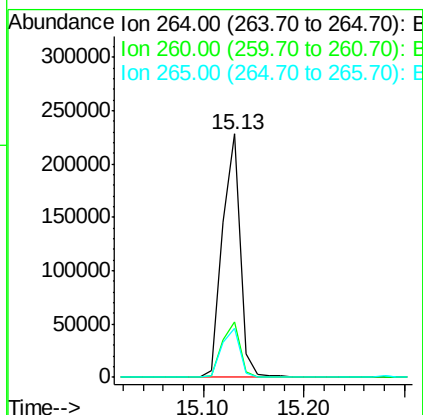
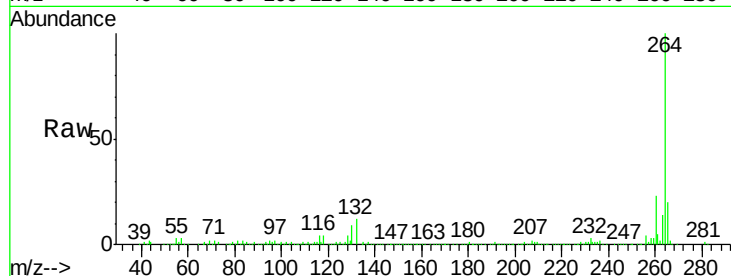




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF084999.D
Acq: 10 Feb 2016 18:08

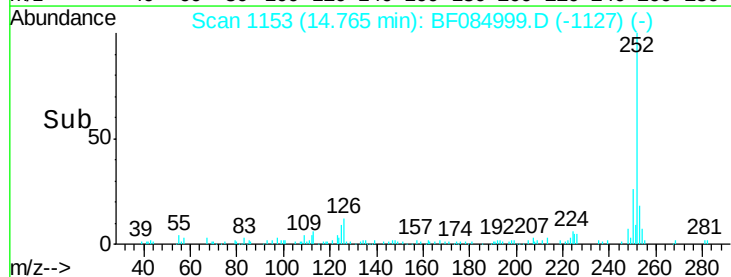
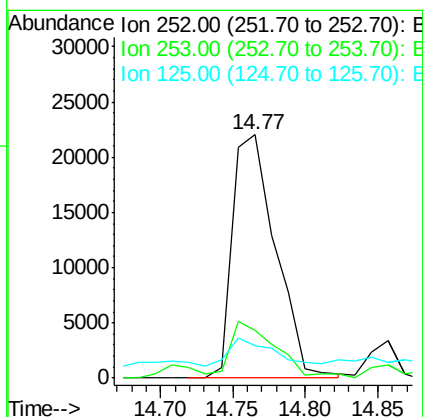
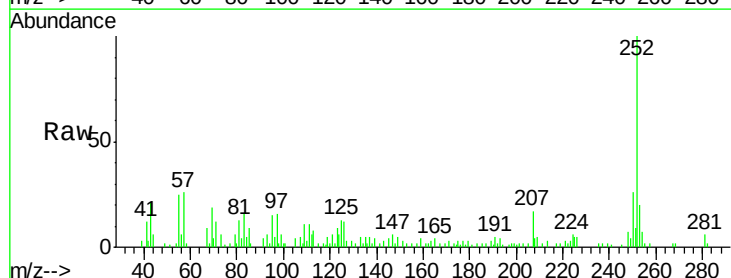
Instrument :
BNA_F
ClientSampleId :
S4-B018(10-12)

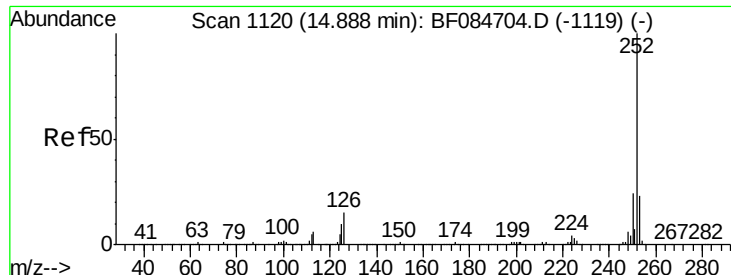
Tgt Ion: 264 Resp: 281015
Ion Ratio Lower Upper
264 100
260 23.0 19.4 29.2
265 20.3 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 2.41 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BF084999.D
Acq: 10 Feb 2016 18:08

Tgt Ion: 252 Resp: 45566
Ion Ratio Lower Upper
252 100
253 19.7 17.3 25.9
125 13.2 6.5 9.7#





#88

Benzo(k)fluoranthene

Concen: 2.92 ng

RT: 14.77 min Scan# 1153

Delta R.T. -0.02 min

Lab File: BF084999.D

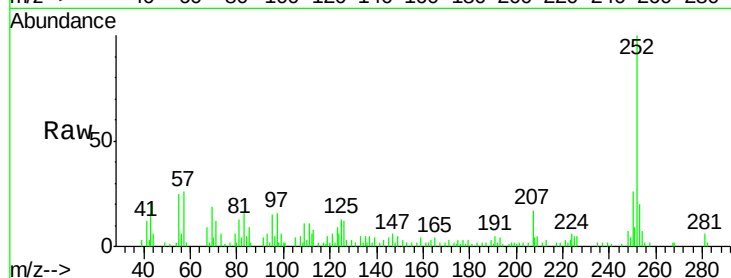
Acq: 10 Feb 2016 18:08

Instrument :

BNA_F

ClientSampleId :

S4-B018(10-12)



Tgt Ion:	252	Resp:	45566
Ion	Ratio	Lower	Upper
252	100		
253	19.7	18.1	27.1
125	13.2	9.0	13.6

