

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\
 Data File : BF084360.D
 Acq On : 10 Jan 2016 13:03
 Operator : SJ/UM
 Sample : H1043-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 00:17:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

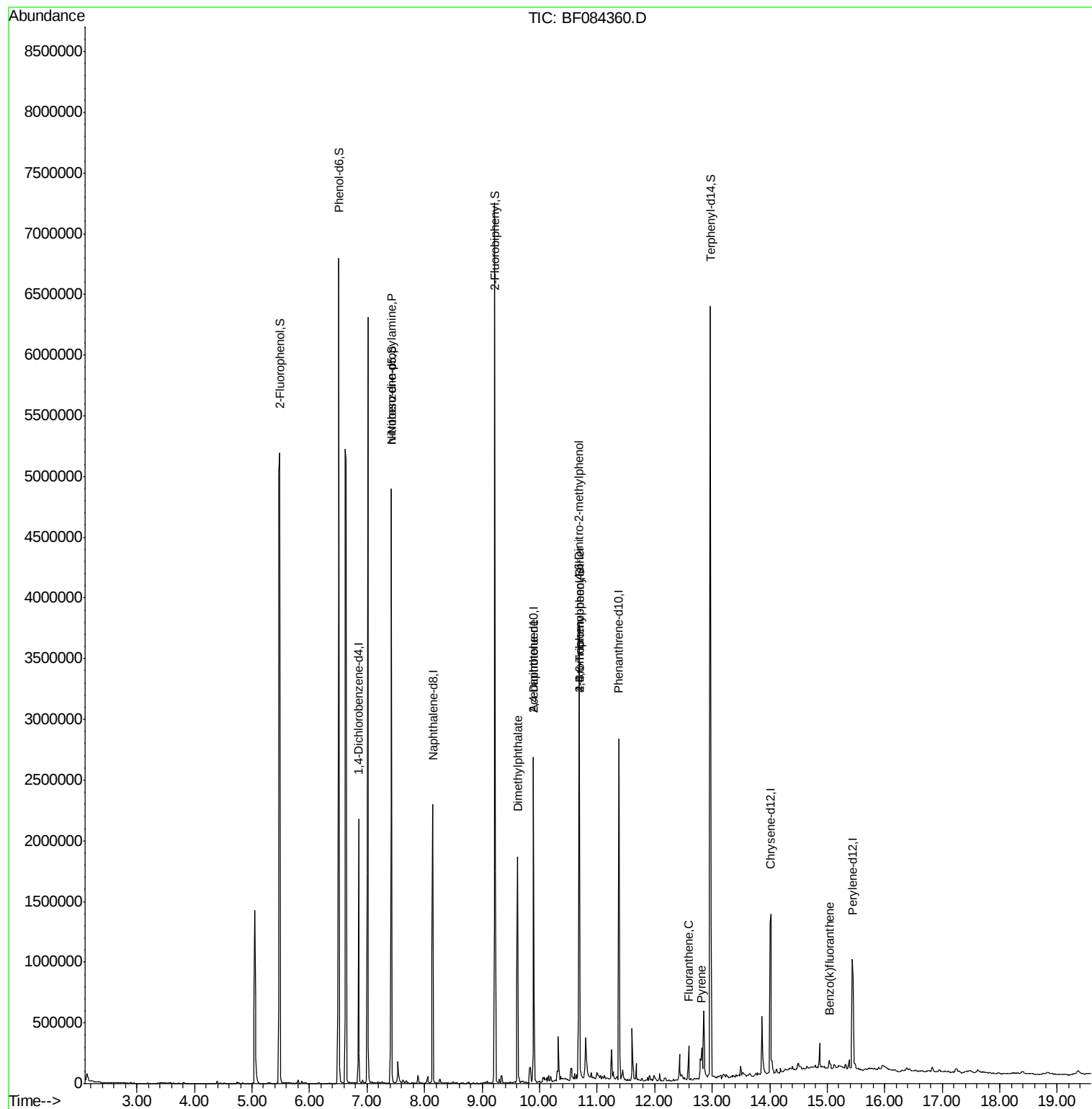
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	275232	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1164263	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	510132	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	924481	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	656088	20.00	ng	-0.05
86) Perylene-d12	15.44	264	489779	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	2056560	120.86	ng	-0.01
7) Phenol-d6	6.51	99	2573494	120.42	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1687001	80.64	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	666911	129.49	ng	-0.05
44) 2-Fluorobiphenyl	9.22	172	2279539	78.09	ng	-0.05
78) Terphenyl-d14	12.97	244	1993373	67.82	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	243255	16.81	ng	# 70
49) Dimethylphthalate	9.62	163	847689	23.24	ng	# 91
54) Dibenzofuran	10.10	168	2034	Below Cal	#	95
56) 2,4-Dinitrotoluene	9.89	165	65097	6.43	ng	# 22
57) Fluorene	10.44	166	2999	Below Cal	#	85
60) 4-Chlorophenyl-phenylether	10.25	204	274	Below Cal	#	24
64) 4,6-Dinitro-2-methylphenol	10.68	198	1337	6.60	ng	# 1
66) 4-Bromophenyl-phenylether	10.69	248	41340	4.15	ng	# 1
73) Di-n-butylphthalate	11.95	149	4332	Below Cal	#	82
74) Fluoranthene	12.59	202	123552	2.45	ng	95
77) Pyrene	12.82	202	122161	2.37	ng	97
88) Benzo(k)fluoranthene	15.04	252	60060	2.29	ng	96

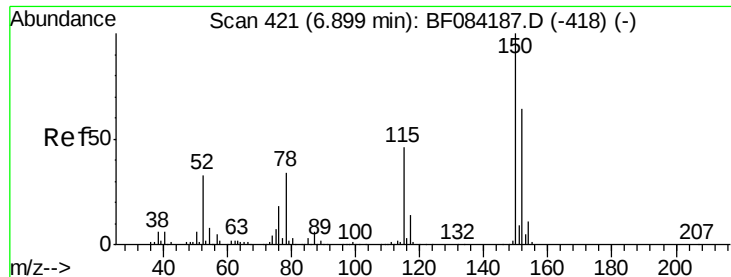
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084360.D

Acq: 10 Jan 2016 13:03

Instrument :

BNA_F

ClientSampleId :

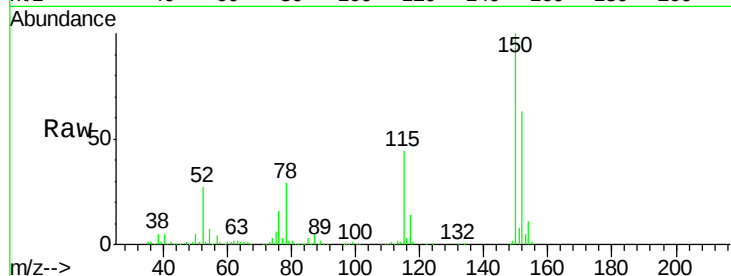
Tot Ion:152 Resp: 275232

Ion Ratio Lower Upper

152 100

150 157.7 123.0 184.4

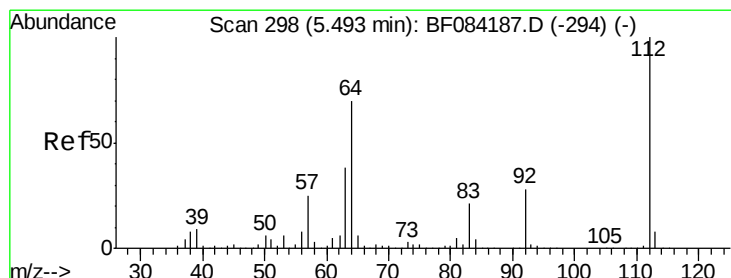
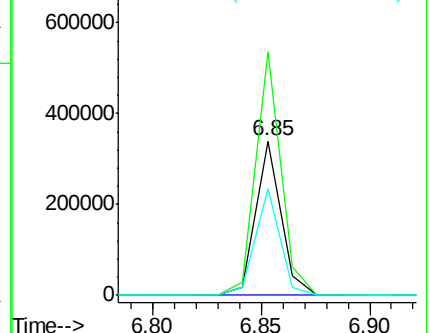
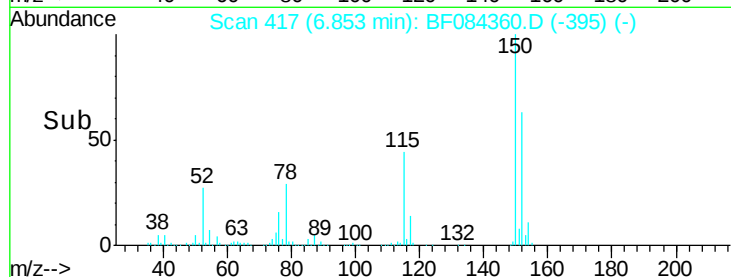
115 69.4 51.4 77.2



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: 120.86 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.01 min

Lab File: BF084360.D

Acq: 10 Jan 2016 13:03

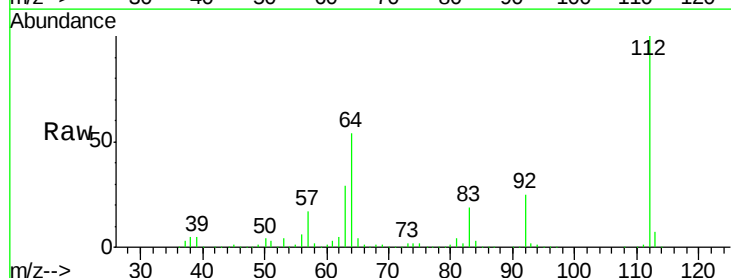
Tgt Ion:112 Resp: 2056560

Ion Ratio Lower Upper

112 100

64 54.0 36.6 55.0

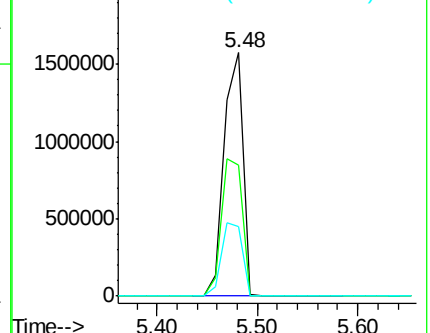
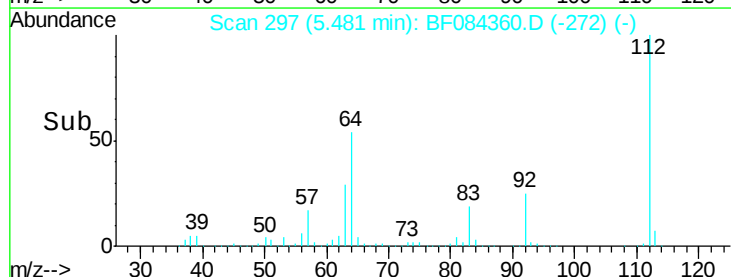
63 28.6 19.4 29.0

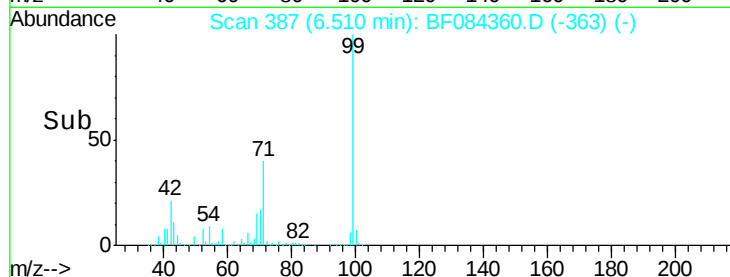
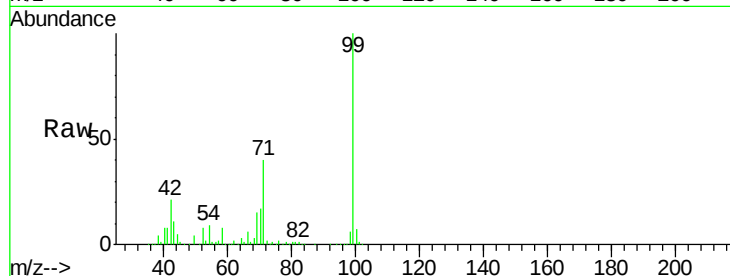
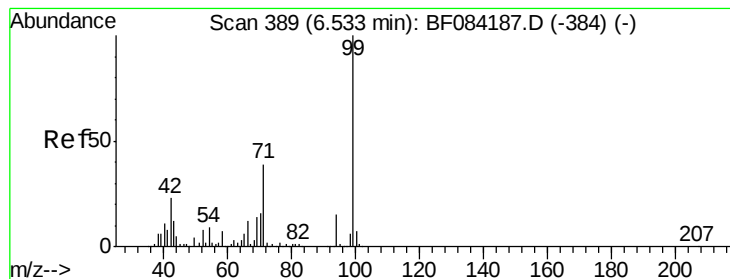


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 120.42 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084360.D

Acq: 10 Jan 2016 13:03

Instrument :

BNA_F

ClientSampled :

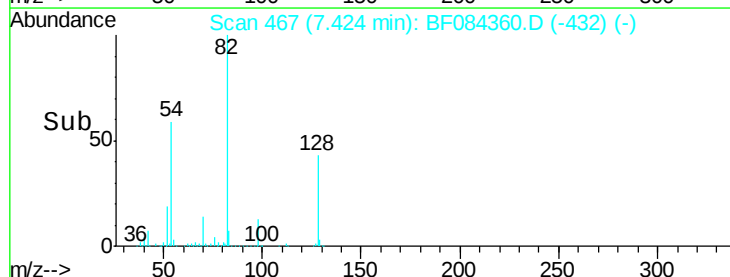
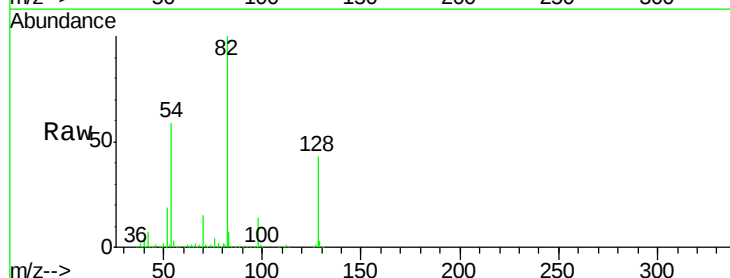
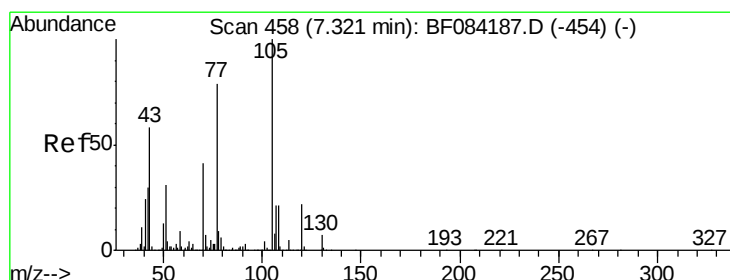
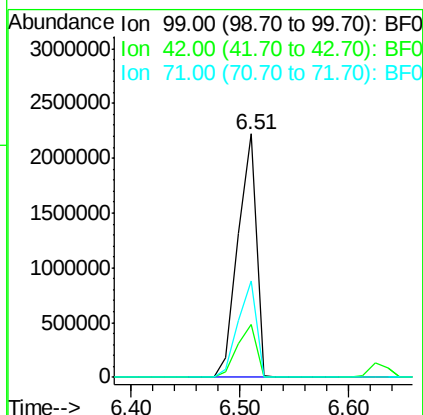
Tot Ion: 99 Resp: 2573494

Ion Ratio Lower Upper

99 100

42 21.5 12.8 19.2#

71 39.7 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 16.81 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.10 min

Lab File: BF084360.D

Acq: 10 Jan 2016 13:03

Tgt Ion: 70 Resp: 243255

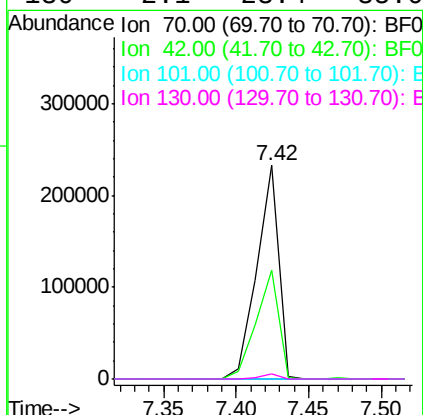
Ion Ratio Lower Upper

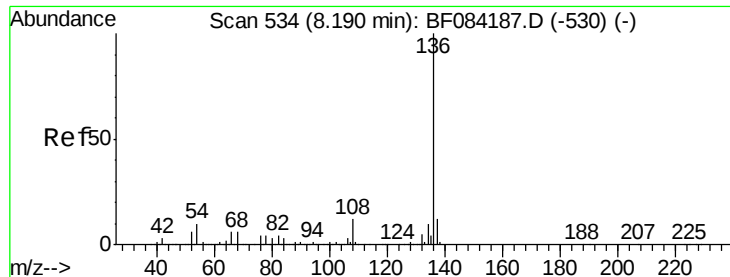
70 100

42 50.9 33.3 49.9#

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084360.D

Acq: 10 Jan 2016 13:03

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1164263

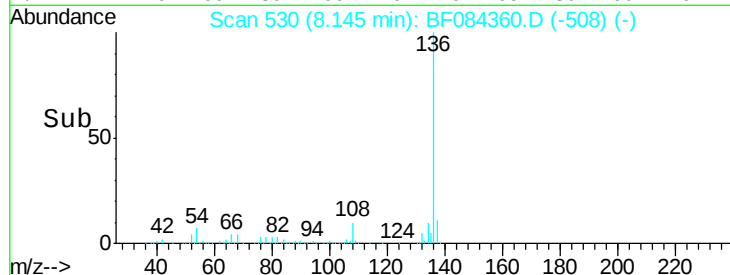
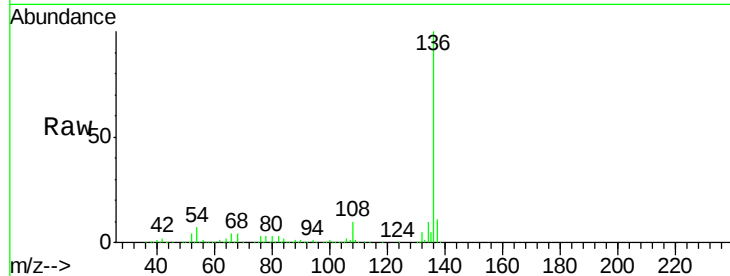
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.9 5.8 8.8

68 4.2 4.2 6.2

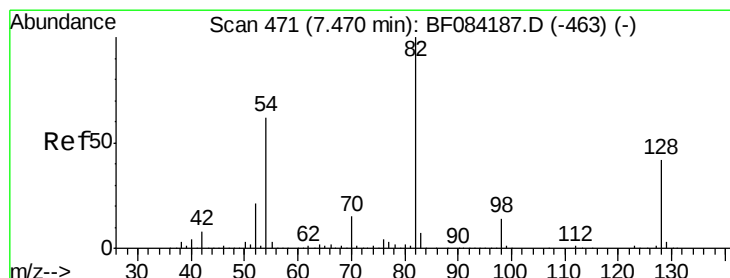
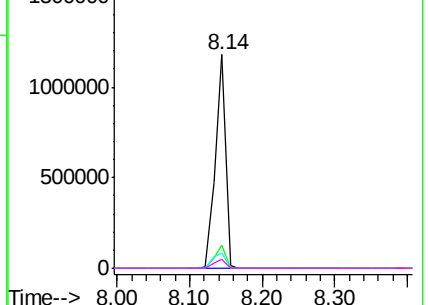


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.64 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF084360.D

Acq: 10 Jan 2016 13:03

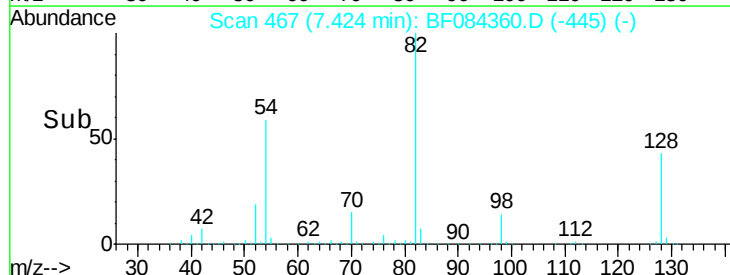
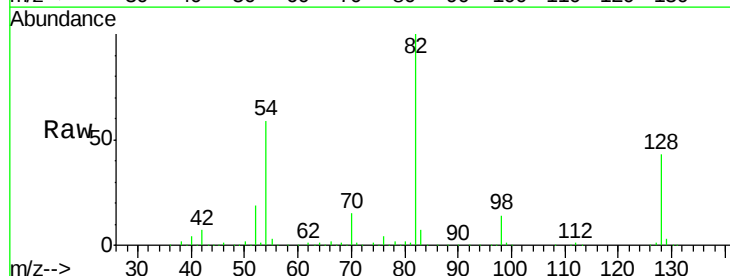
Tgt Ion: 82 Resp: 1687001

Ion Ratio Lower Upper

82 100

128 43.4 34.6 51.8

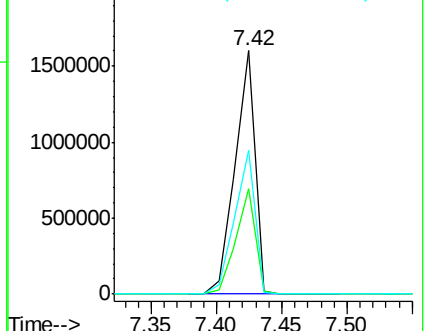
54 59.1 38.4 57.6#

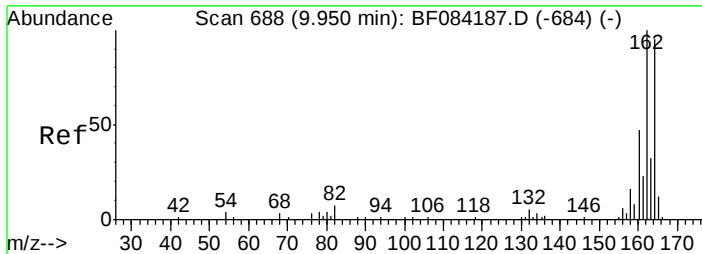


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

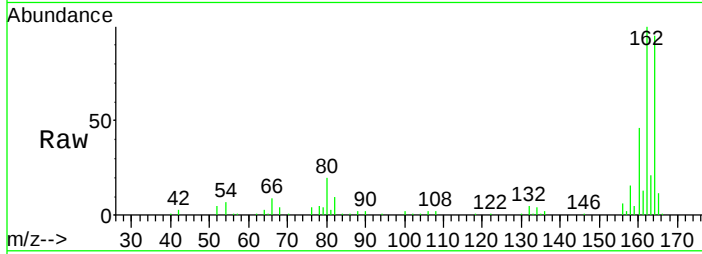
Ion 54.00 (53.70 to 54.70): BF0





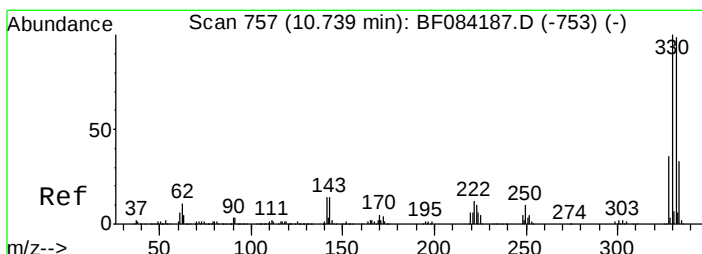
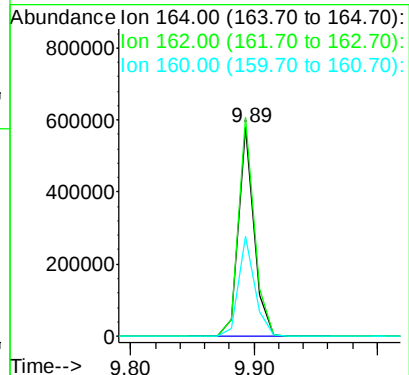
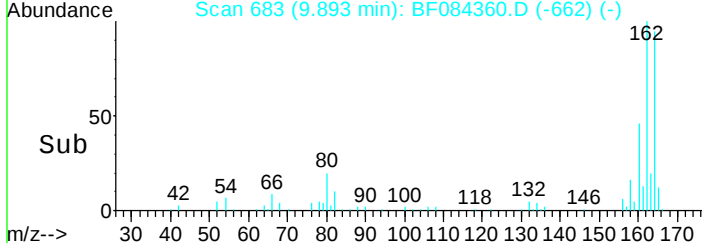
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.06 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Instrument :
 BNA_F
 ClientSampleId :

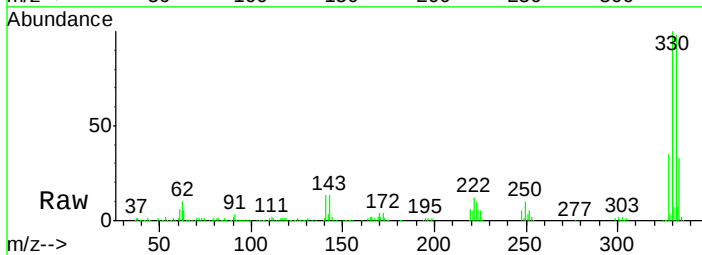


Tot Ion:164 Resp: 510132

Ion	Ratio	Lower	Upper
164	100		
162	105.0	85.1	127.7
160	47.9	37.5	56.3

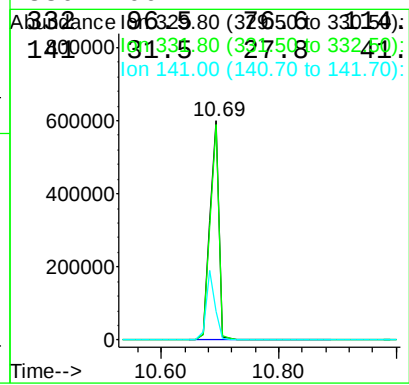
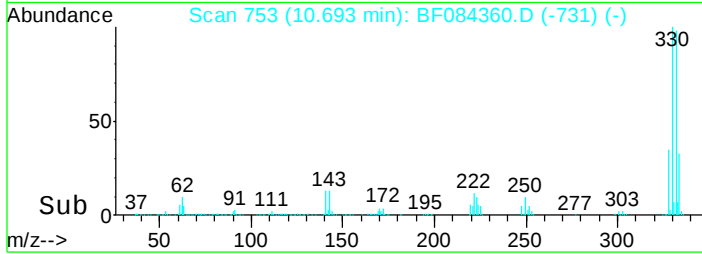


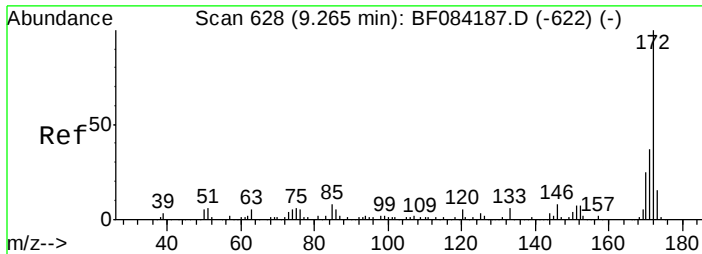
#41
 2,4,6-Tribromophenol
 Concen: 129.49 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.05 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03



Tgt Ion:330 Resp: 666911

Ion	Ratio	Lower	Upper
330	100		
332	96.25	76.6	114.8
334	141.00	31.5	27.8
141	31.5	27.8	41.6

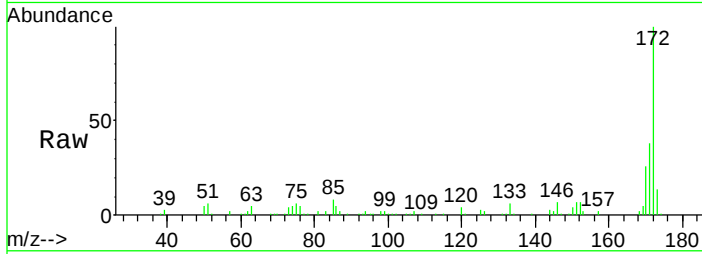




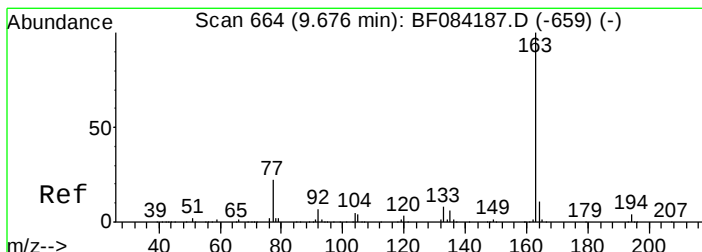
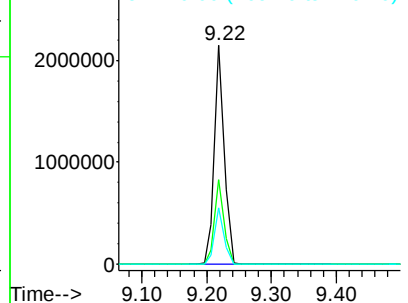
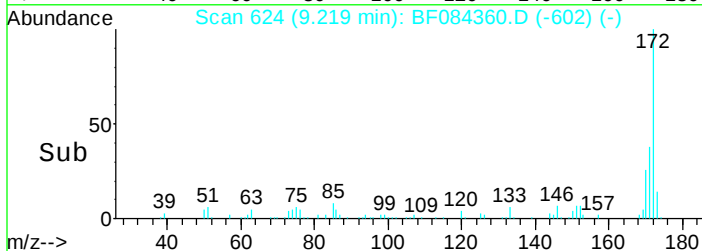
#44
 2-Fluorobiphenyl
 Concen: 78.09 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.05 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 2279539
 Ion Ratio Lower Upper
 172 100
 171 38.3 28.9 43.3
 170 25.9 18.6 27.8

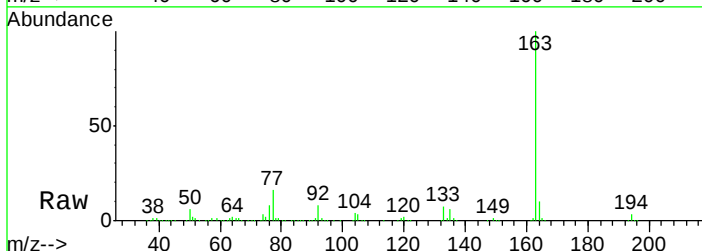


Abundance Ion 172.00 (171.70 to 172.70):
 Ion 171.00 (170.70 to 171.70):
 Ion 170.00 (169.70 to 170.70):

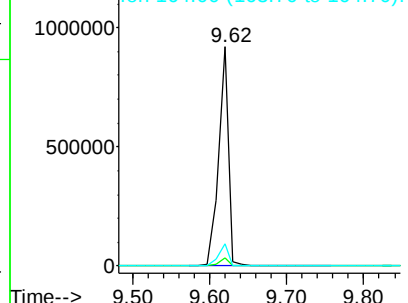
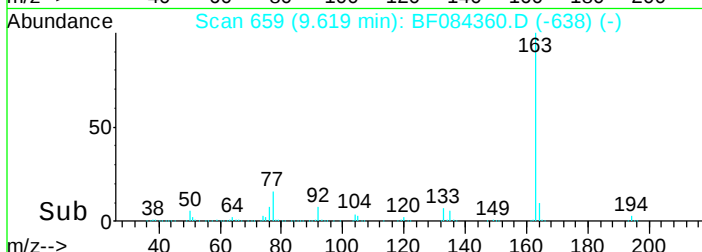


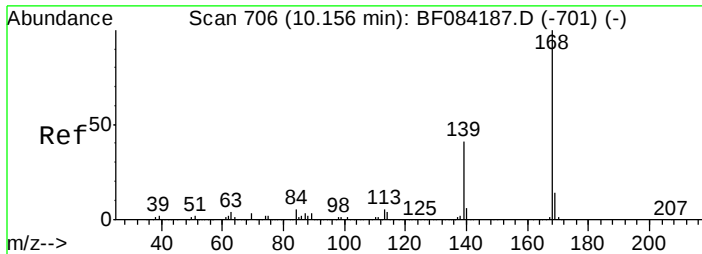
#49
 Dimethylphthalate
 Concen: 23.24 ng
 RT: 9.62 min Scan# 659
 Delta R.T. -0.06 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Tgt Ion:163 Resp: 847689
 Ion Ratio Lower Upper
 163 100
 164 3.4 2.0 5.0
 162 1.0 0.0 1.0



Abundance Ion 164.00 (163.70 to 164.70):
 Ion 163.00 (162.70 to 163.70):
 Ion 162.00 (161.70 to 162.70):

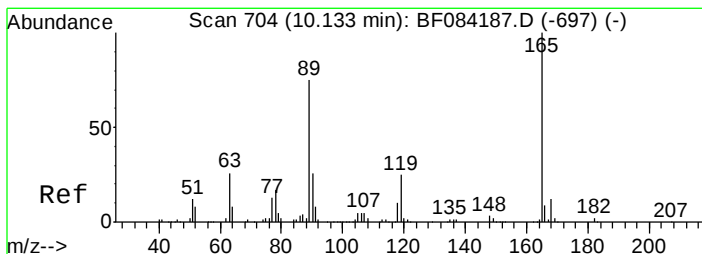
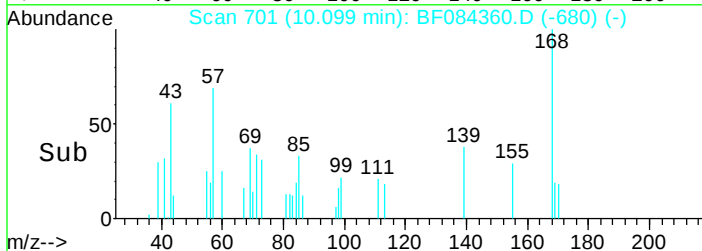
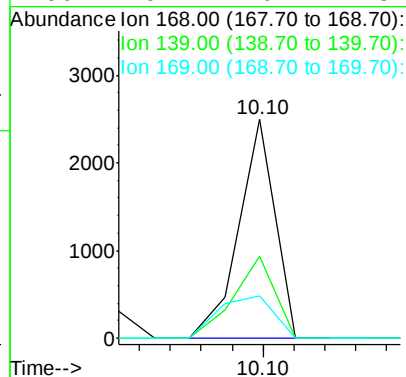
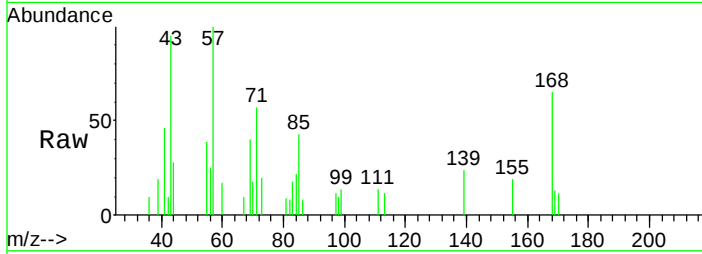




#54
Dibenzenofuran
Concen: Below Cal
RT: 10.10 min Scan# 701
Delta R.T. -0.06 min
Lab File: BF084360.D
Acq: 10 Jan 2016 13:03

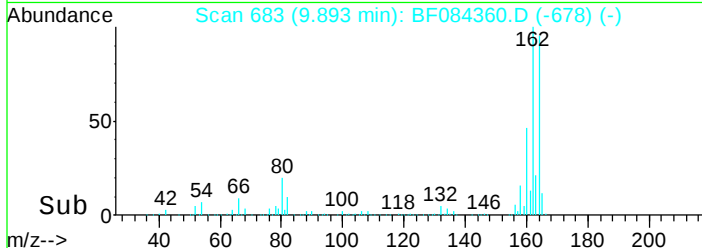
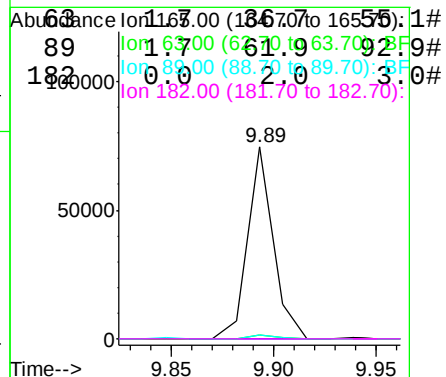
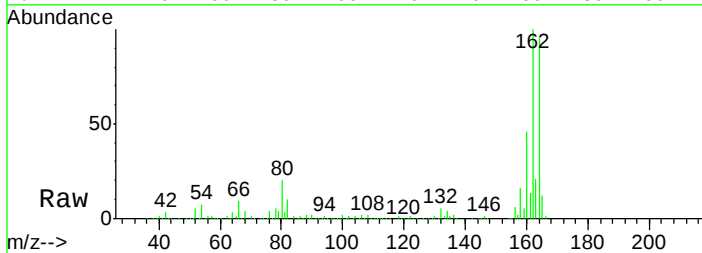
Instrument :
BNA_F
ClientSampleId :

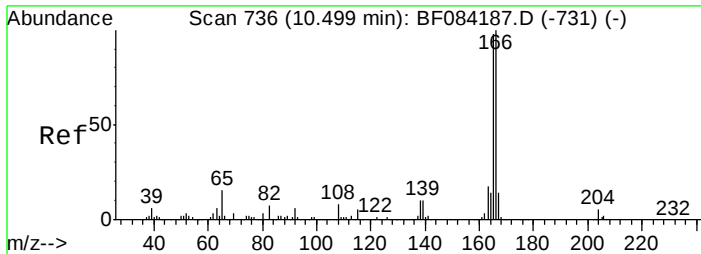
Tot Ion:168 Resp: 2034
Ion Ratio Lower Upper
168 100
139 37.5 30.5 45.7
169 19.4 10.4 15.6#



#56
2,4-Dinitrotoluene
Concen: 6.43 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.24 min
Lab File: BF084360.D
Acq: 10 Jan 2016 13:03

Tgt Ion:165 Resp: 65097
Ion Ratio Lower Upper
165 100

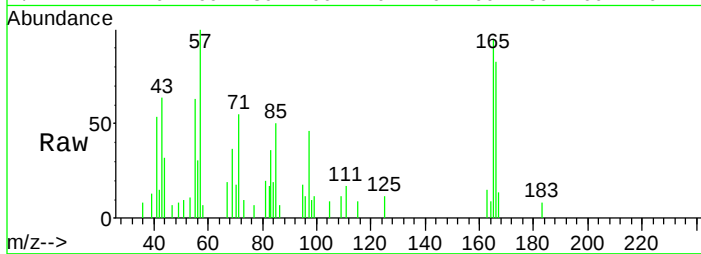




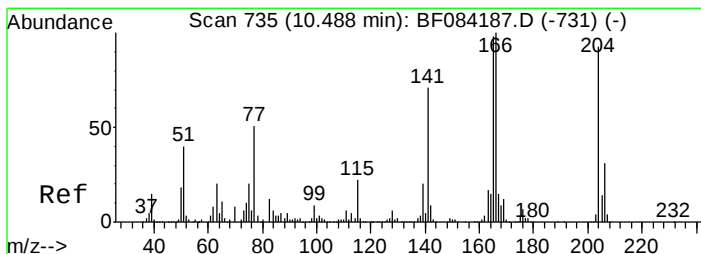
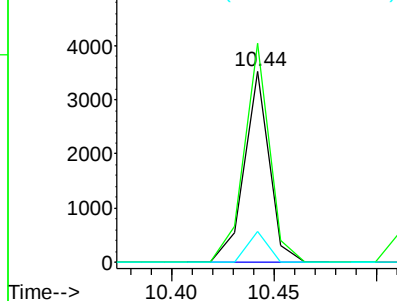
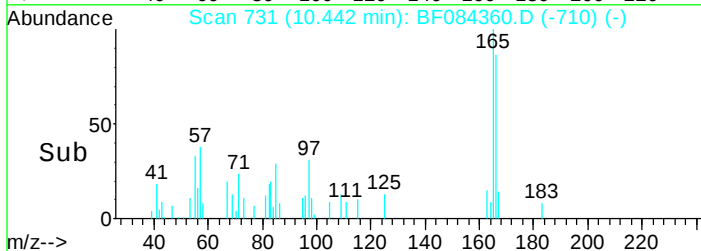
#57
 Fluorene
 Concen: Below Cal
 RT: 10.44 min Scan# 731
 Delta R.T. -0.06 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 2999
 Ion Ratio Lower Upper
 166 100
 165 114.9 79.1 118.7
 167 16.4 10.4 15.6#

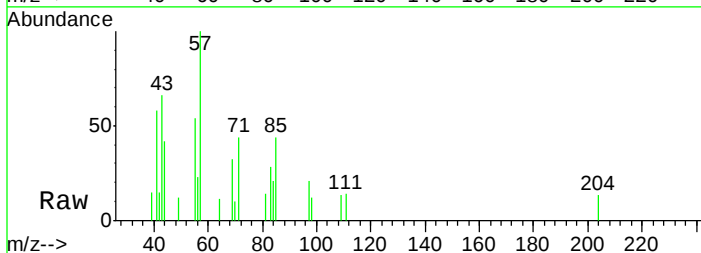


Abundance Ion 166.00 (165.70 to 166.70):
 Ion 165.00 (164.70 to 165.70):
 Ion 167.00 (166.70 to 167.70):

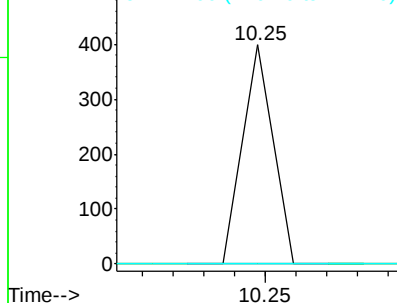
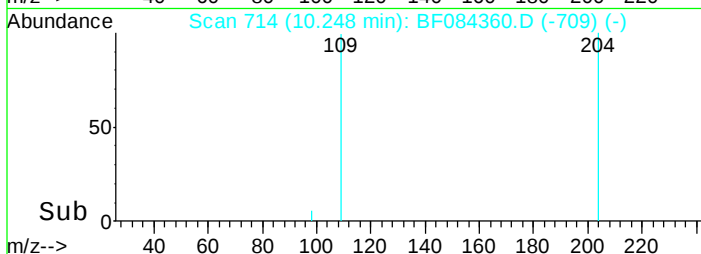


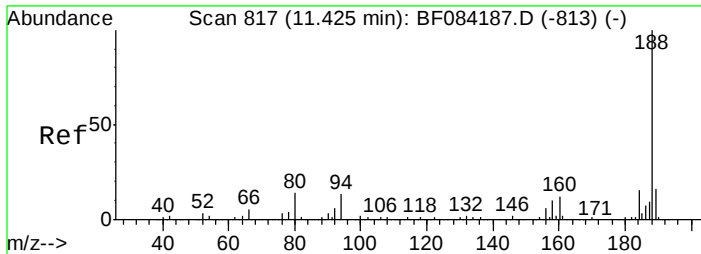
#60
 4-Chlorophenyl-phenylether
 Concen: Below Cal
 RT: 10.25 min Scan# 714
 Delta R.T. -0.24 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Tgt Ion:204 Resp: 274
 Ion Ratio Lower Upper
 204 100



Abundance Ion 204.00 (203.70 to 204.30): 5#
 Ion 206.00 (205.70 to 206.30): 5#
 Ion 141.00 (140.70 to 141.70): 5#

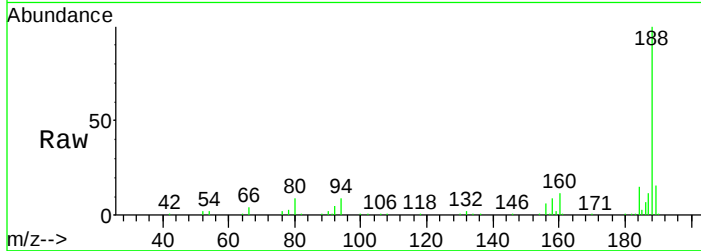




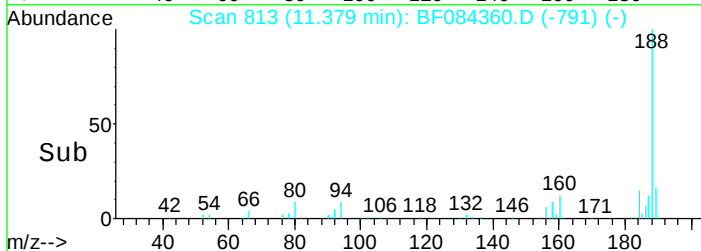
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084360.D
Acq: 10 Jan 2016 13:03

Instrument :
BNA_F
ClientSampleId :

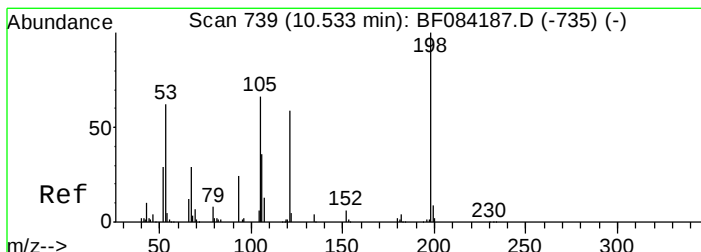
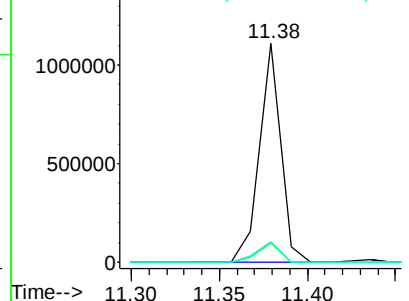
Tot Ion:188 Resp: 924481
Ion Ratio Lower Upper
188 100
94 9.0 9.0 13.4
80 9.4 9.6 14.4#



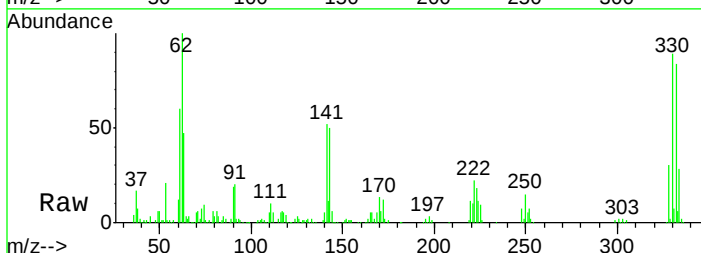
Abundance Ion 188.00 (187.70 to 188.70):



Ion 94.00 (93.70 to 94.70): BF
Ion 80.00 (79.70 to 80.70): BF

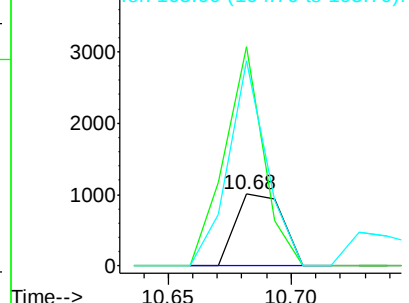
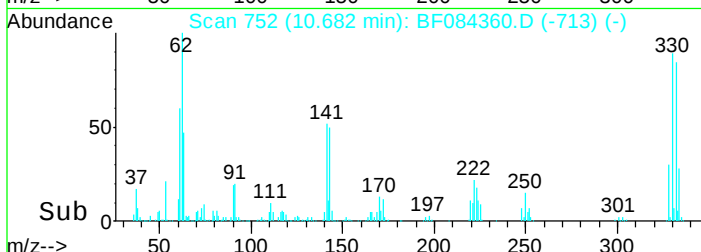


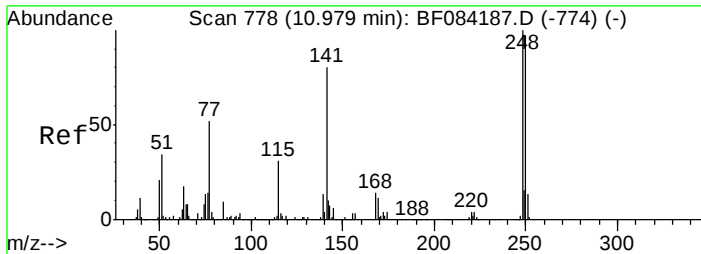
#64
4,6-Dinitro-2-methylphenol
Concen: 6.60 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.15 min
Lab File: BF084360.D
Acq: 10 Jan 2016 13:03



Tgt Ion:198 Resp: 1337
Ion Ratio Lower Upper
198 100

Abundance Ion 198.00 (197.70 to 198.70):
51.96 105.00 (104.70 to 105.70): BF
105.00 (104.70 to 105.70): BF

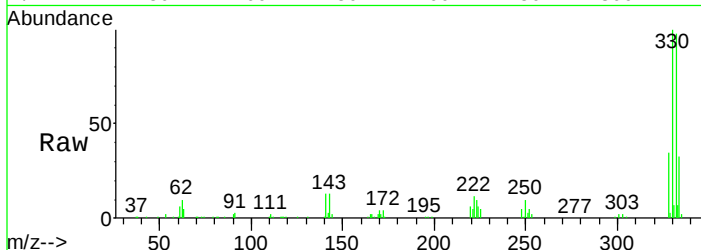




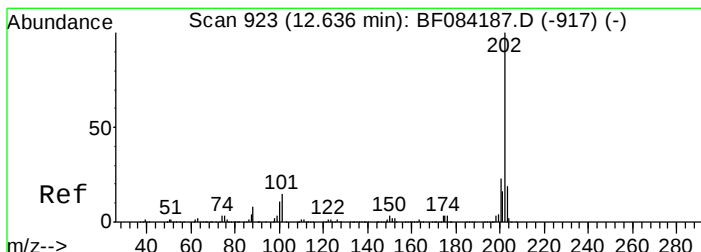
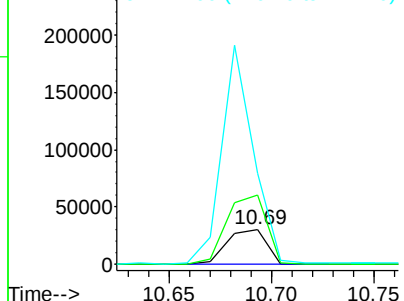
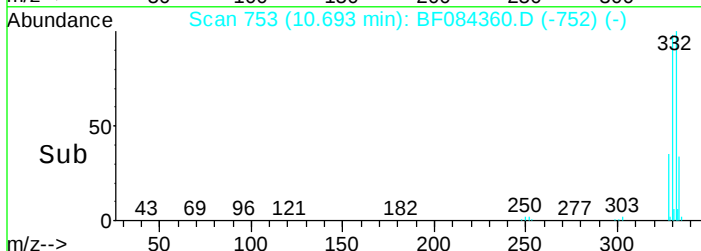
#66
 4-Bromophenyl-phenylether
 Concen: 4.15 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.29 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 41340
 Ion Ratio Lower Upper
 248 100
 250 198.4 78.4 117.6#
 141 262.2 44.0 66.0#

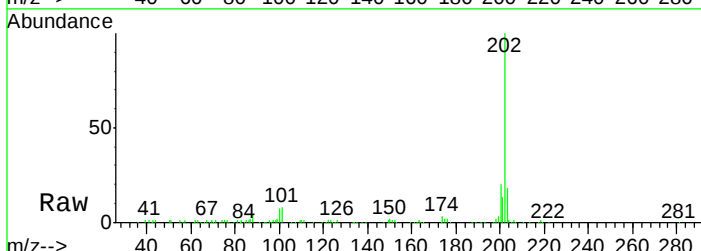


Abundance Ion 248.00 (247.70 to 248.70):
 Ion 250.00 (249.70 to 250.70):
 Ion 141.00 (140.70 to 141.70):

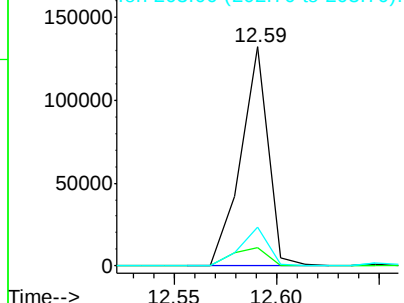
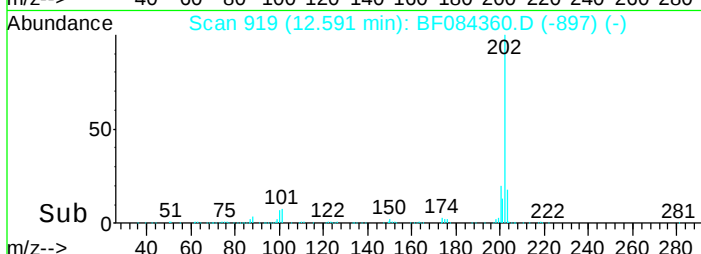


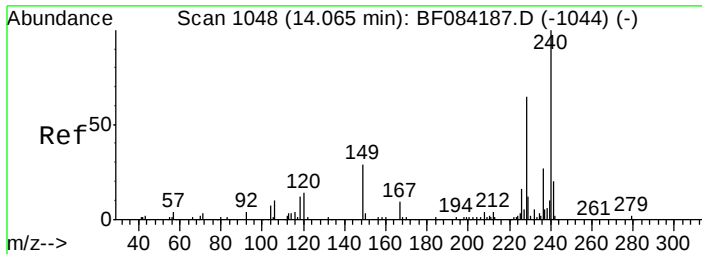
#74
 Fluoranthene
 Concen: 2.45 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.05 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Tgt Ion:202 Resp: 123552
 Ion Ratio Lower Upper
 202 100



Abundance Ion 202.00 (201.70 to 202.30):
 Ion 203.00 (202.70 to 203.70):
 Ion 101.00 (100.70 to 101.70):
 Ion 17.50 (17.20 to 17.80):

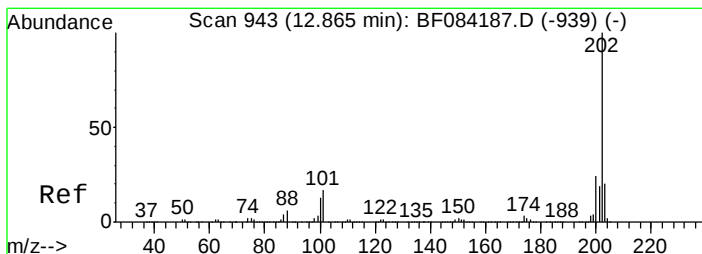
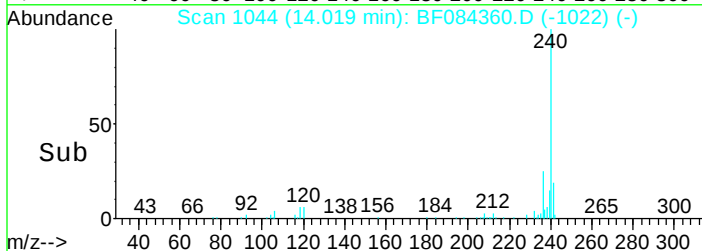
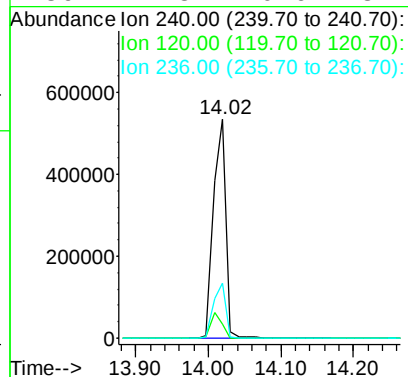
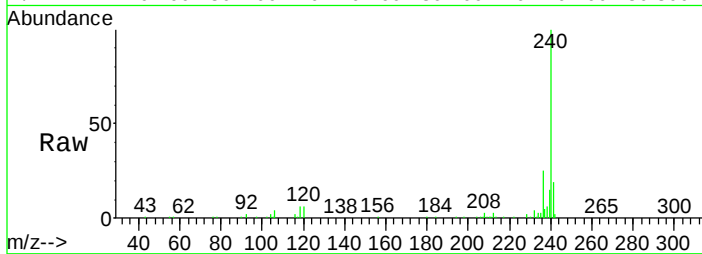




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.05 min
Lab File: BF084360.D
Acq: 10 Jan 2016 13:03

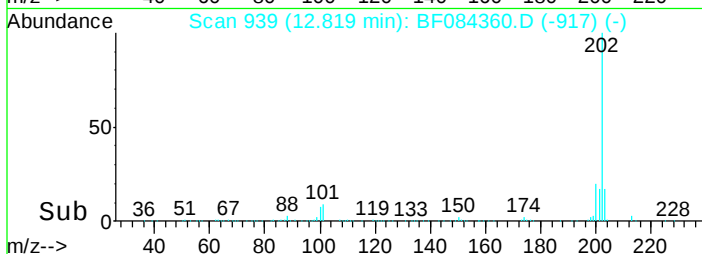
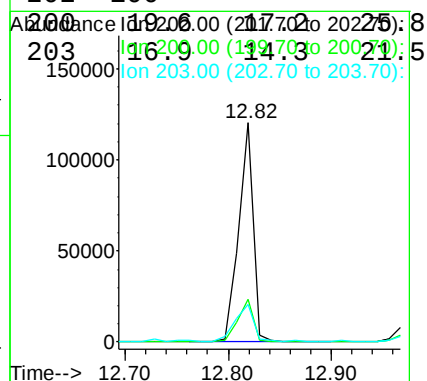
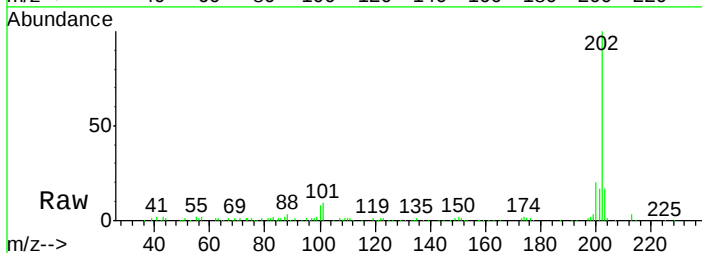
Instrument :
BNA_F
ClientSampleId :

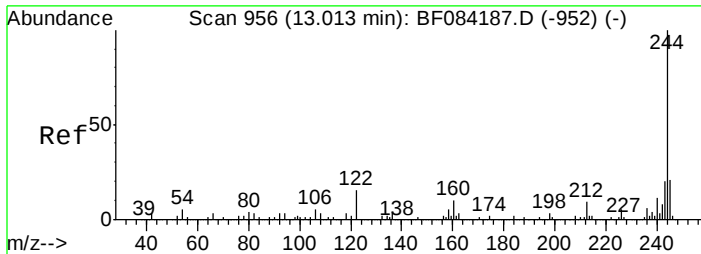
Tot Ion:240 Resp: 656088
Ion Ratio Lower Upper
240 100
120 6.4 9.5 14.3#
236 24.8 20.6 31.0



#77
Pyrene
Concen: 2.37 ng
RT: 12.82 min Scan# 939
Delta R.T. -0.05 min
Lab File: BF084360.D
Acq: 10 Jan 2016 13:03

Tgt Ion:202 Resp: 122161
Ion Ratio Lower Upper
202 100

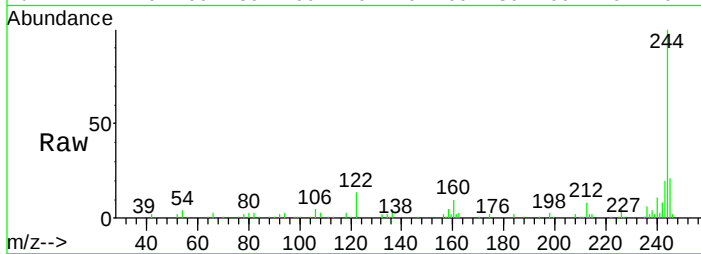




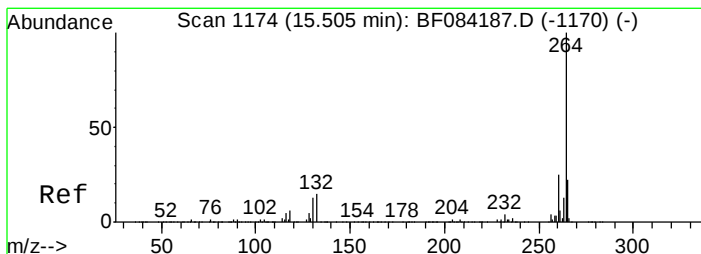
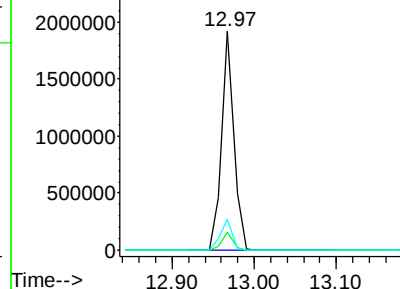
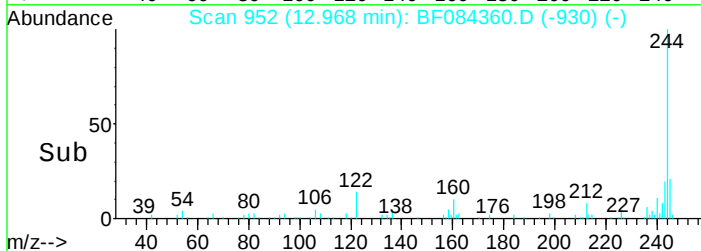
#78
 Terphenyl-d14
 Concen: 67.82 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.05 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:244 Resp: 1993373
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 14.2 7.4 11.0#

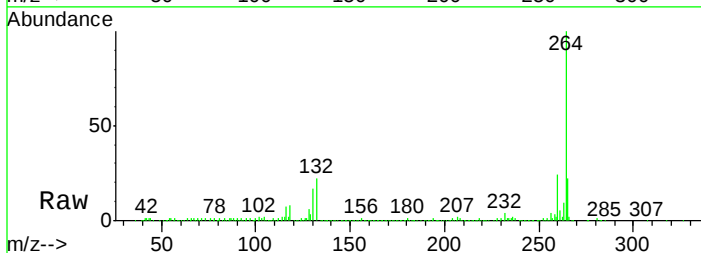


Abundance Ion 244.00 (243.70 to 244.70):
 Ion 212.00 (211.70 to 212.70):
 Ion 122.00 (121.70 to 122.70):

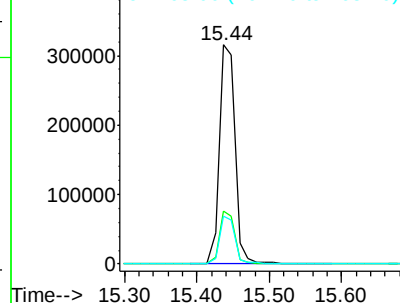
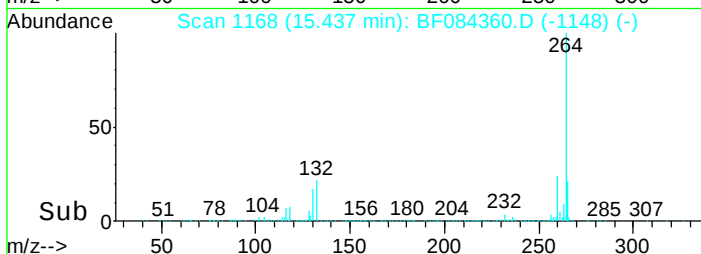


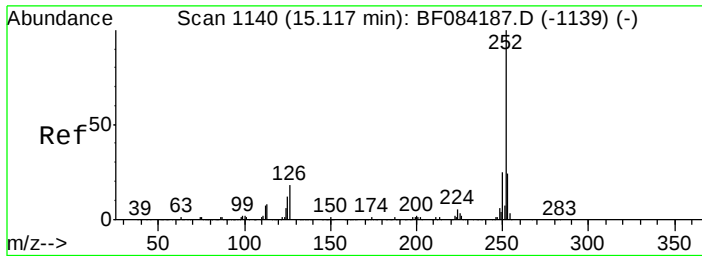
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.07 min
 Lab File: BF084360.D
 Acq: 10 Jan 2016 13:03

Tgt Ion:264 Resp: 489779
 Ion Ratio Lower Upper
 264 100



Abundance Ion 264.00 (263.70 to 264.70):
 Ion 265.00 (264.70 to 265.70):
 Ion 266.00 (265.70 to 266.70):





#88

Benzo(k)fluoranthene

Concen: 2.29 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.08 min

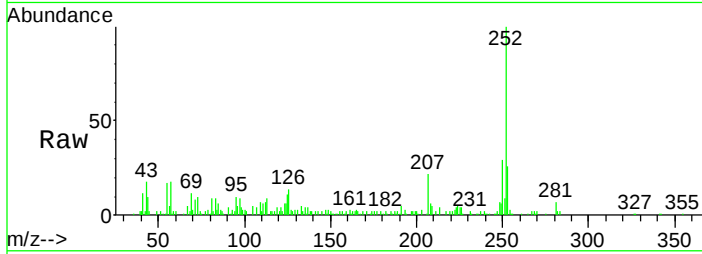
Lab File: BF084360.D

Acq: 10 Jan 2016 13:03

Instrument :

BNA_F

ClientSampleId :



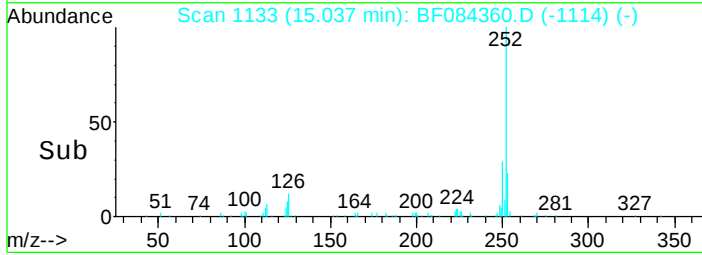
Tot Ion:252 Resp: 60060

Ion Ratio Lower Upper

252 100

253 25.6 18.1 27.1

125 11.2 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70):

Ion 253.00 (252.70 to 253.70):

Ion 125.00 (124.70 to 125.70):

