

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020616\
 Data File : BF084904.D
 Acq On : 6 Feb 2016 11:45
 Operator : SJ/IZ
 Sample : PB88196BL
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB88196BL

Quant Time: Feb 08 01:19:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

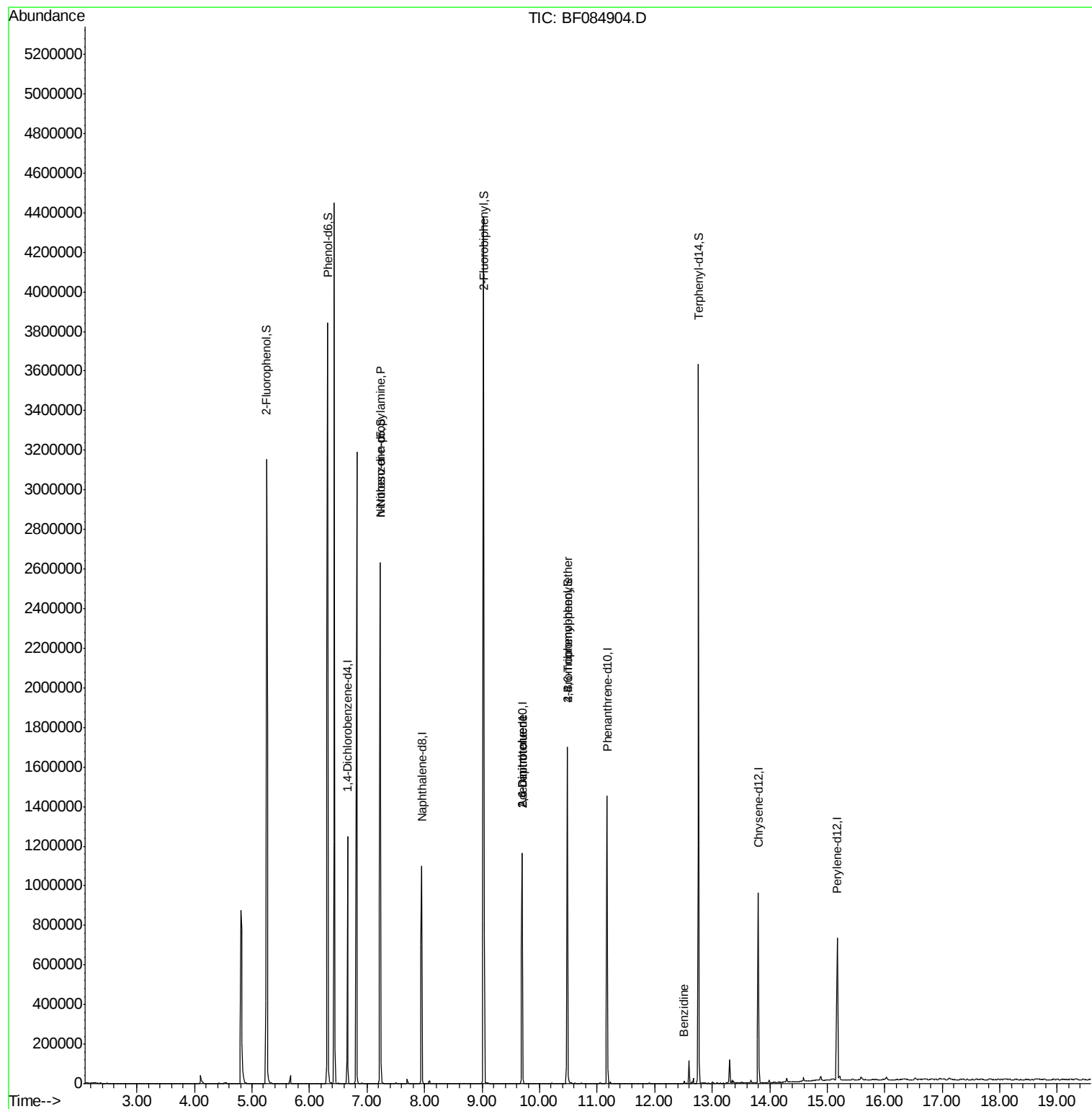
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	162153	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	639529	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	280774	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	502984	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	334525	20.00	ng	-0.03
86) Perylene-d12	15.17	264	322689	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	1083844	104.11	ng	-0.02
7) Phenol-d6	6.32	99	1440740	111.63	ng	-0.02
23) Nitrobenzene-d5	7.23	82	852907	75.13	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	332401	113.50	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	1361634	80.09	ng	-0.03
78) Terphenyl-d14	12.76	244	1128521	76.44	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	117978	14.58	ng	# 73
50) 2,6-Dinitrotoluene	9.70	165	34621	7.41	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	34621	5.81	ng	# 21
66) 4-Bromophenyl-phenylether	10.49	248	19948	3.59	ng	# 1
76) Benzidine	12.51	184	7021	7.28	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

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BNA_F

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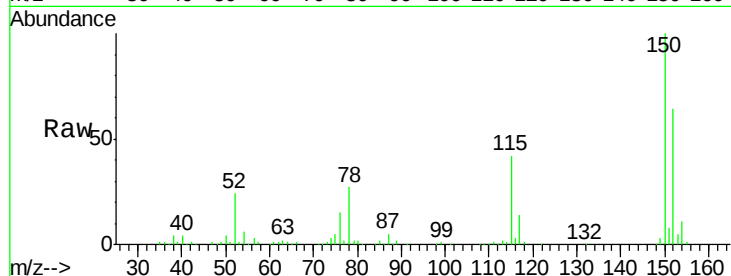
Tgt Ion:152 Resp: 162153

Ion Ratio Lower Upper

152 100

150 157.2 123.0 184.4

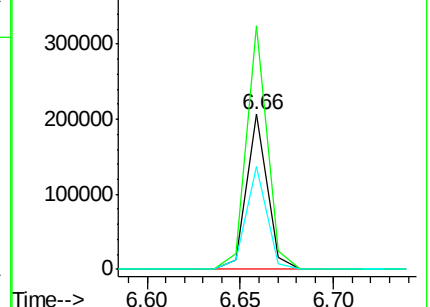
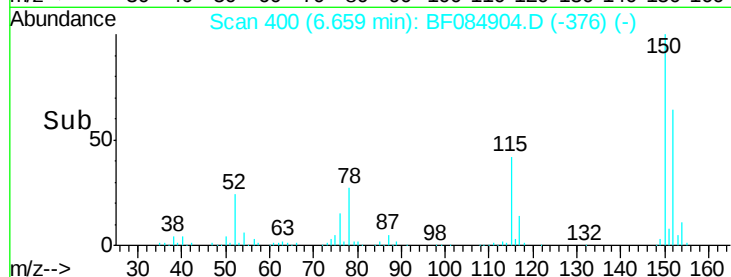
115 66.4 51.4 77.2



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: 104.11 ng

RT: 5.25 min Scan# 277

Delta R.T. -0.02 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

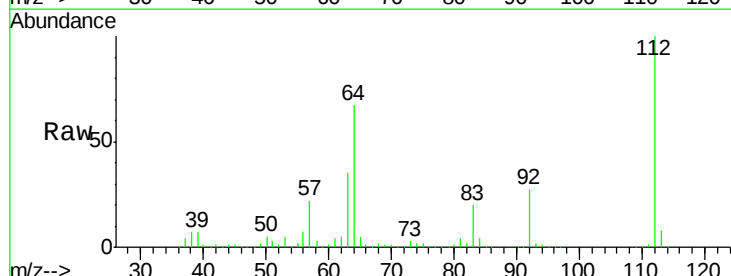
Tgt Ion:112 Resp: 1083844

Ion Ratio Lower Upper

112 100

64 67.0 36.6 55.0#

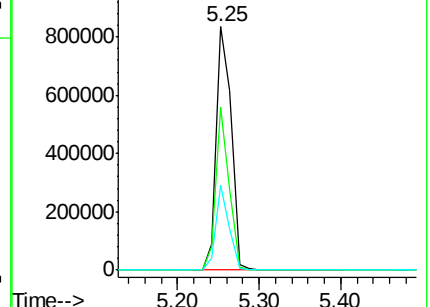
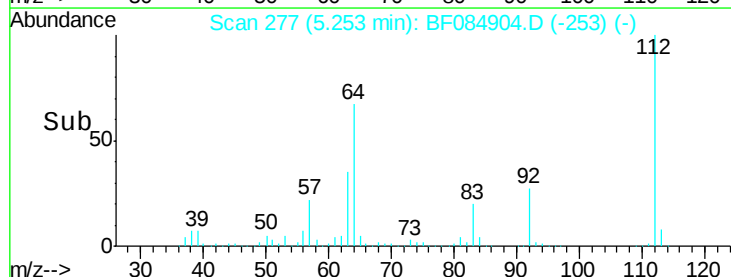
63 35.0 19.4 29.0#



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: 111.63 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.02 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

Instrument :

BNA_F

ClientSampleId :

PB88196BL

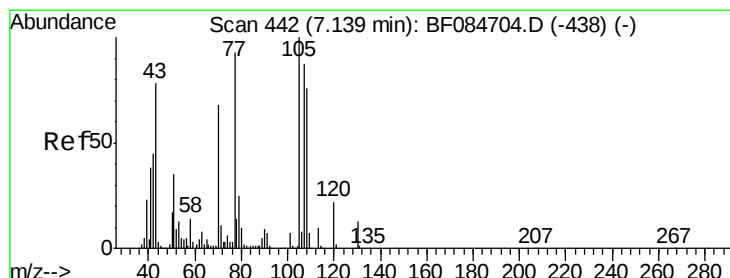
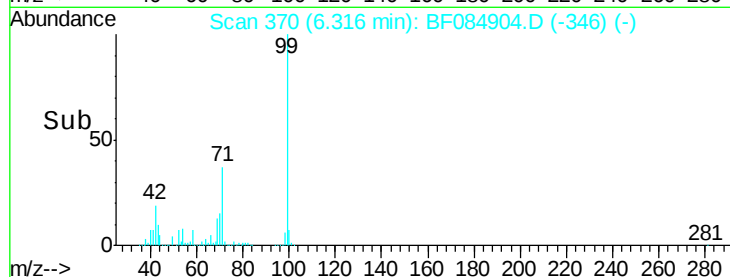
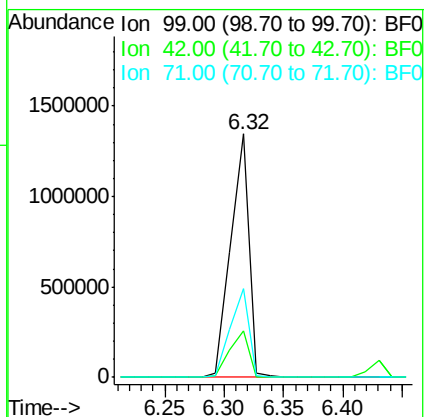
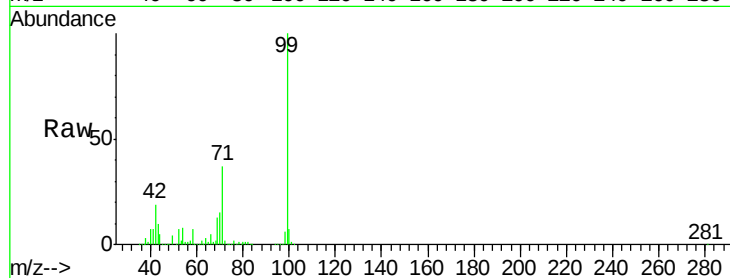
Tgt Ion: 99 Resp: 1440740

Ion Ratio Lower Upper

99 100

42 19.2 12.8 19.2

71 36.6 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.58 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

Tgt Ion: 70 Resp: 117978

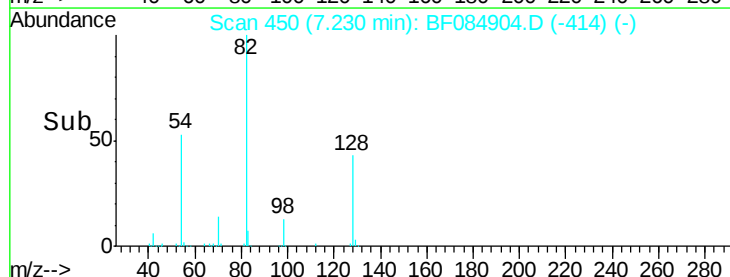
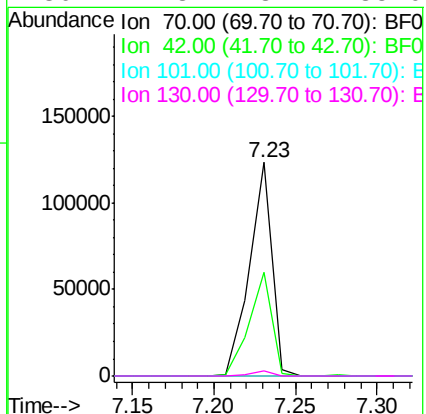
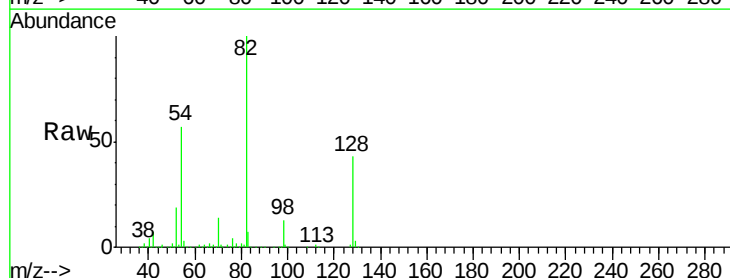
Ion Ratio Lower Upper

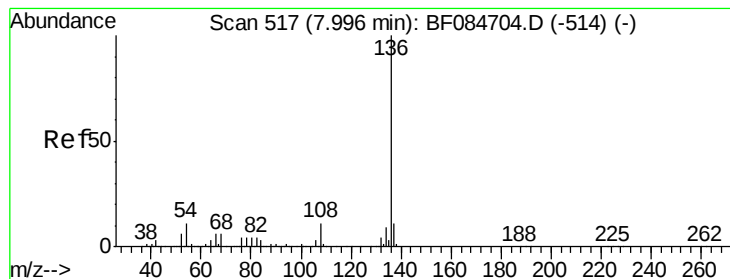
70 100

42 48.3 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

Instrument :

BNA_F

ClientSampleId :

PB88196BL

Tgt Ion: 136 Resp: 639529

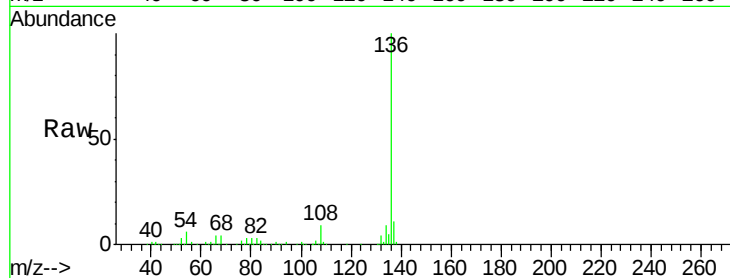
Ion Ratio Lower Upper

136 100

137 10.6 8.7 13.1

54 6.0 5.8 8.8

68 3.8 4.2 6.2#

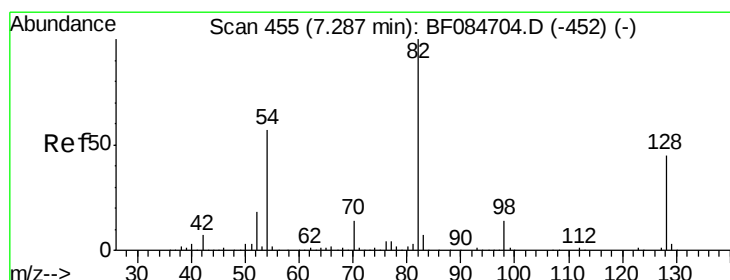
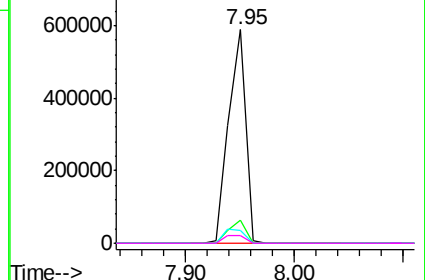
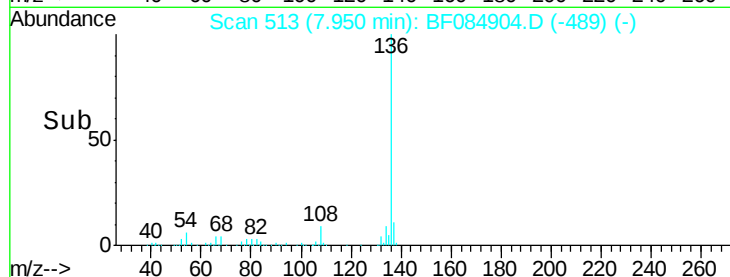


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.13 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

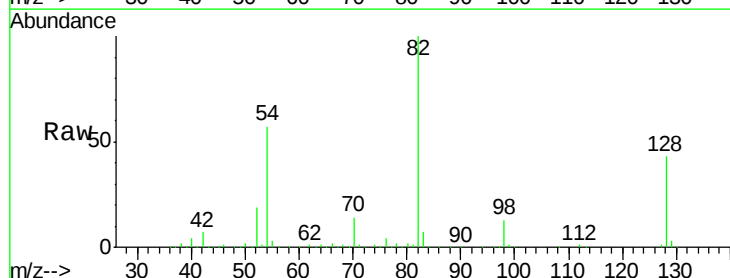
Tgt Ion: 82 Resp: 852907

Ion Ratio Lower Upper

82 100

128 42.9 34.6 51.8

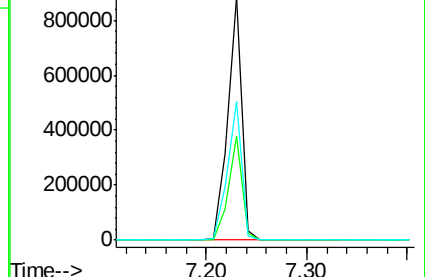
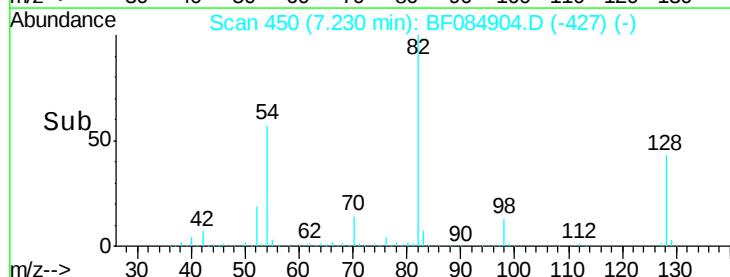
54 57.0 38.4 57.6

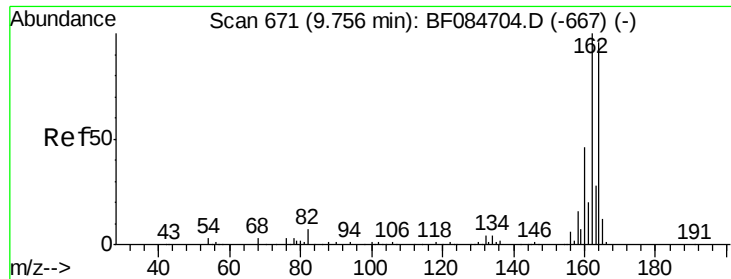


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

Instrument :

BNA_F

ClientSampleId :

PB88196BL

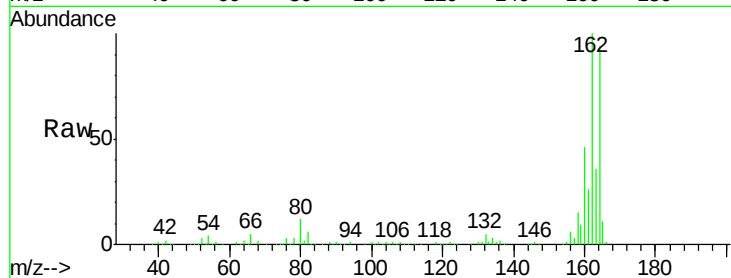
Tgt Ion:164 Resp: 280774

Ion Ratio Lower Upper

164 100

162 106.5 85.1 127.7

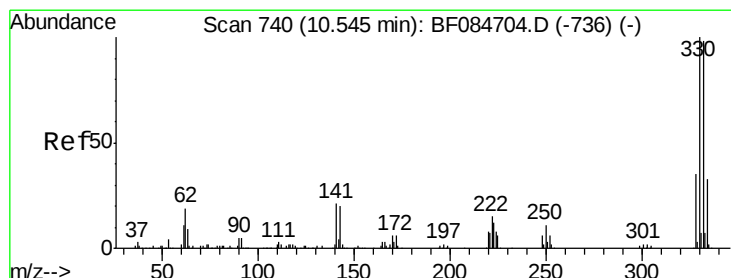
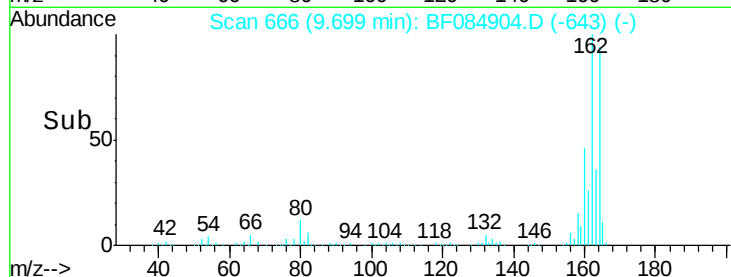
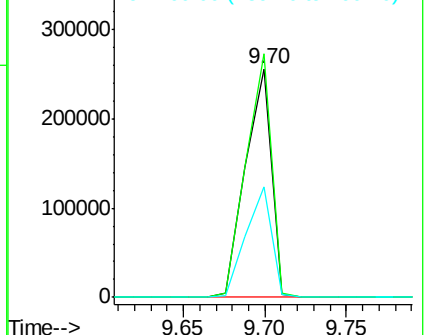
160 48.6 37.5 56.3



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: 113.50 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

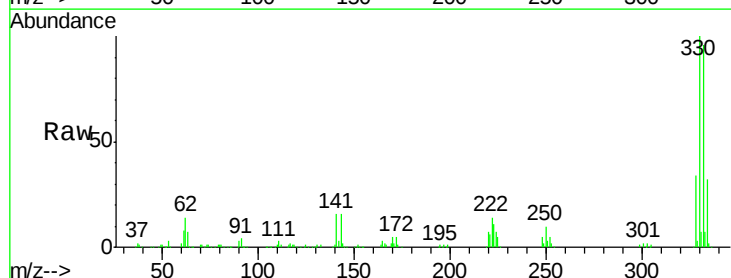
Tgt Ion:330 Resp: 332401

Ion Ratio Lower Upper

330 100

332 95.2 76.6 114.8

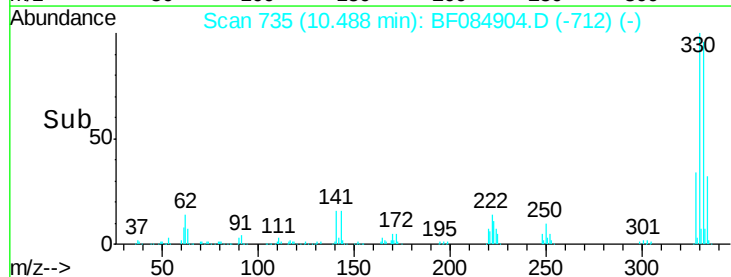
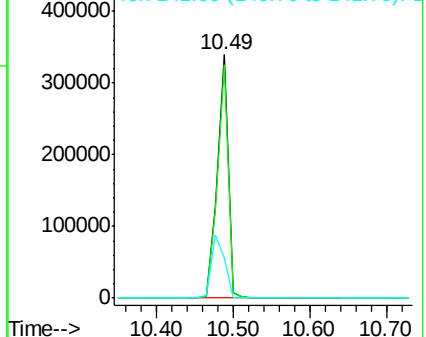
141 30.8 27.8 41.6

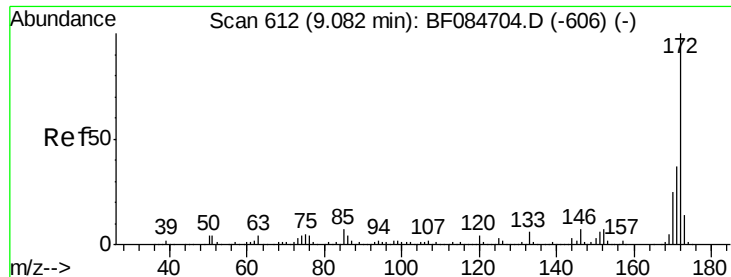


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

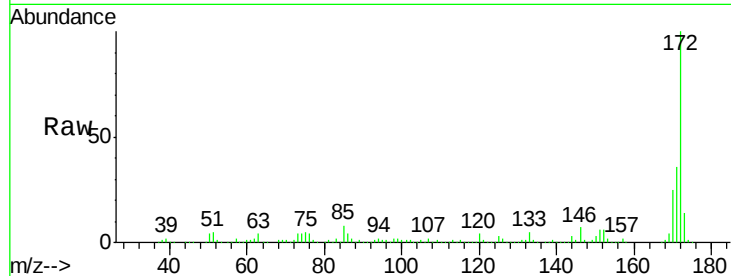




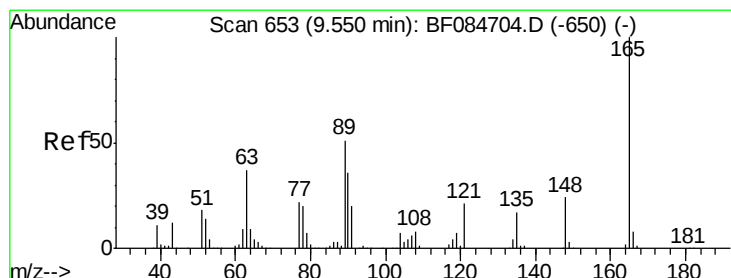
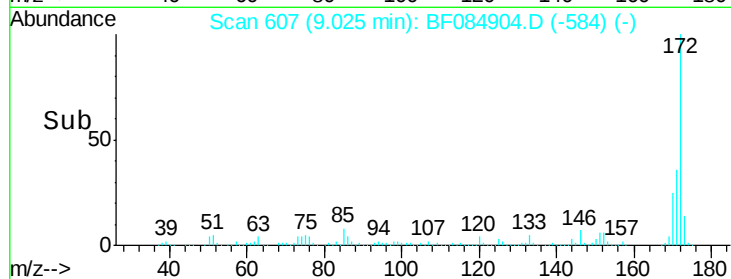
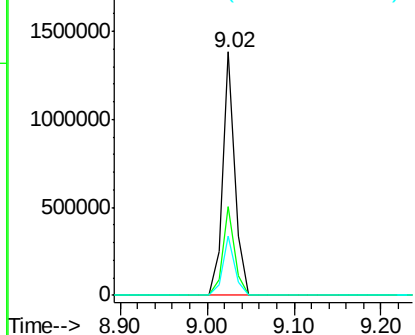
#44
 2-Fluorobiphenyl
 Concen: 80.09 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084904.D
 Acq: 6 Feb 2016 11:45

Instrument :
 BNA_F
 ClientSampleId :
 PB88196BL

Tgt Ion:172 Resp: 1361634
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.9 43.3
 170 24.6 18.6 27.8

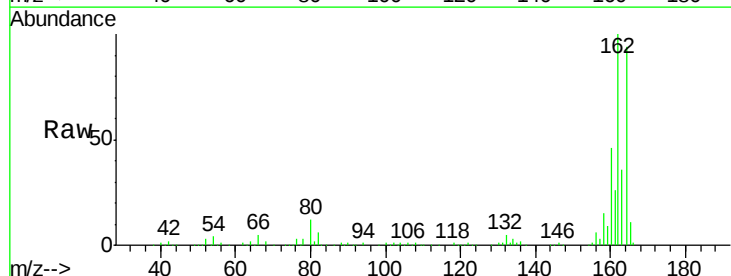


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

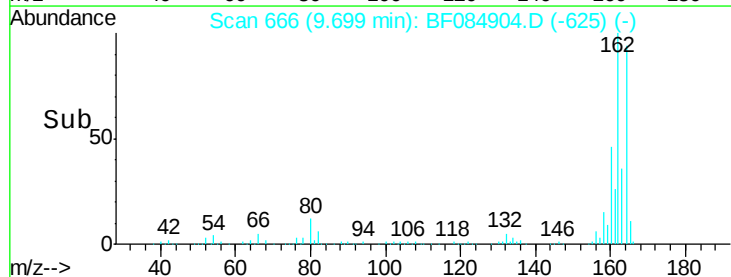
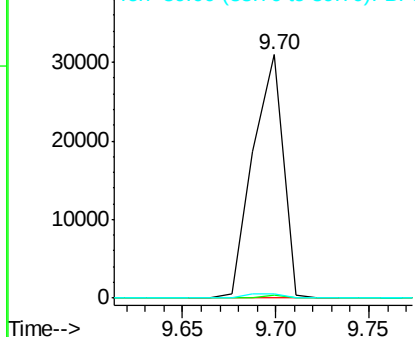


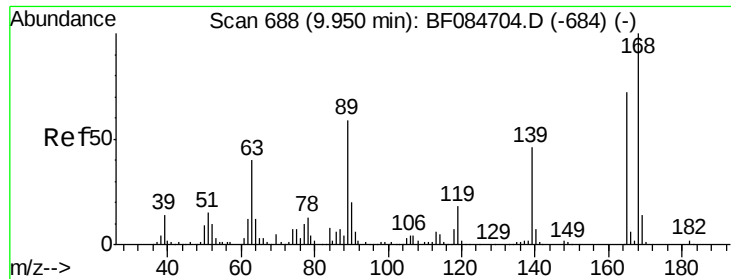
#50
 2,6-Dinitrotoluene
 Concen: 7.41 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084904.D
 Acq: 6 Feb 2016 11:45

Tgt Ion:165 Resp: 34621
 Ion Ratio Lower Upper
 165 100
 63 1.2 28.8 43.2#
 89 1.5 35.1 52.7#



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

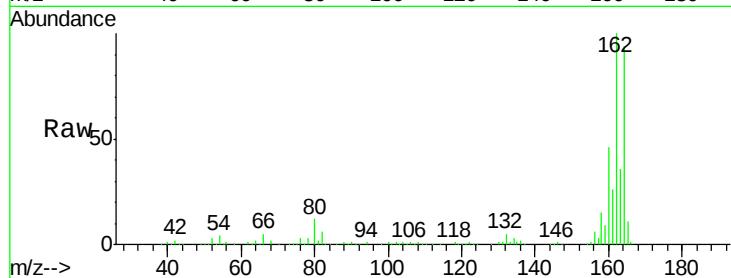




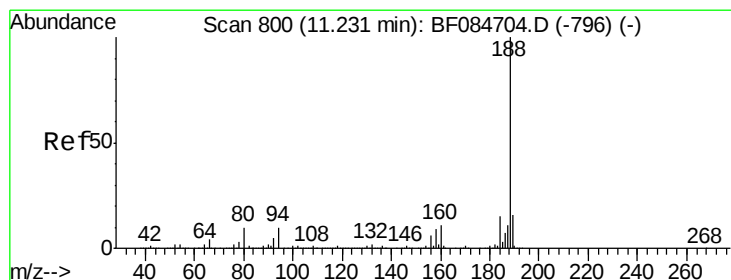
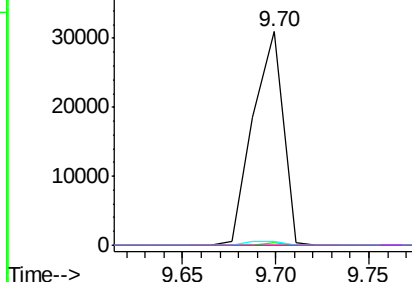
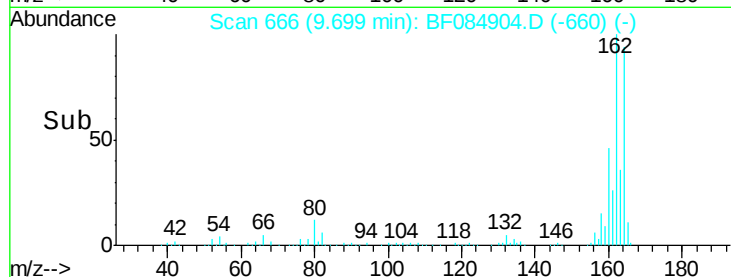
#56
 2,4-Dinitrotoluene
 Concen: 5.81 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084904.D
 Acq: 6 Feb 2016 11:45

Instrument :
 BNA_F
 ClientSampleId :
 PB88196BL

Tgt Ion:165 Resp: 34621
 Ion Ratio Lower Upper
 165 100
 63 1.2 36.7 55.1#
 89 1.5 61.9 92.9#
 182 0.0 2.0 3.0#

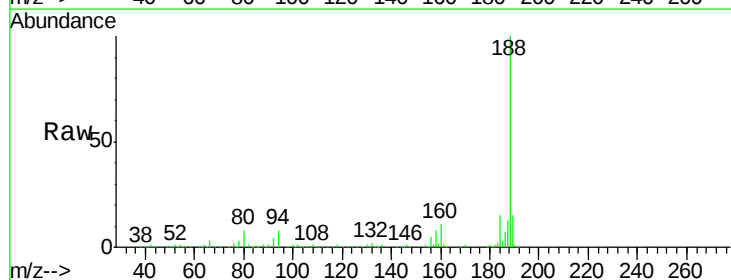


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

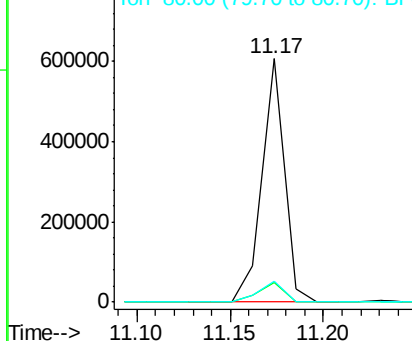
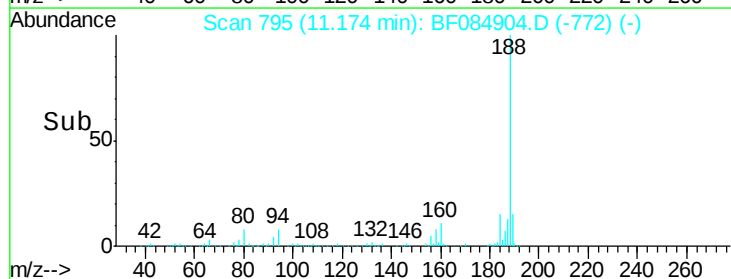


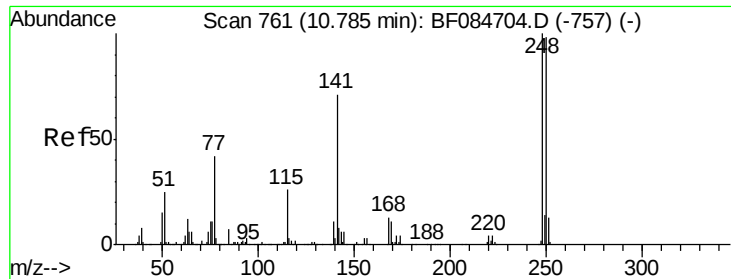
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.03 min
 Lab File: BF084904.D
 Acq: 6 Feb 2016 11:45

Tgt Ion:188 Resp: 502984
 Ion Ratio Lower Upper
 188 100
 94 7.9 9.0 13.4#
 80 8.3 9.6 14.4#



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

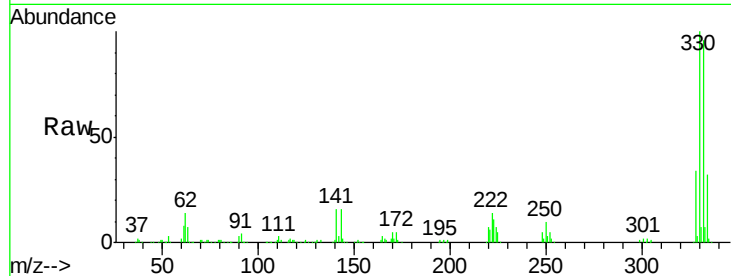




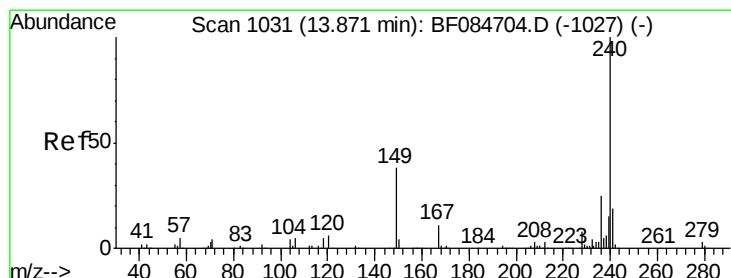
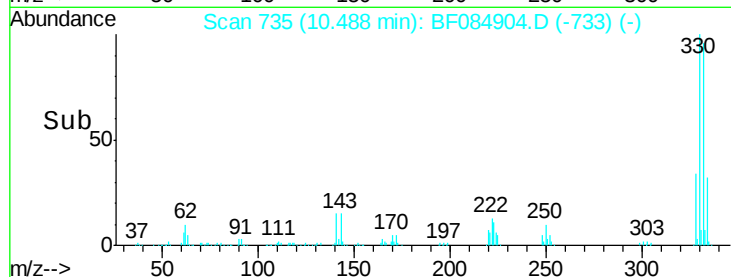
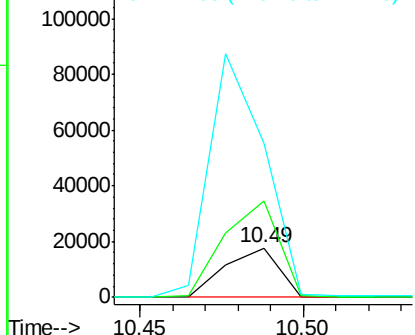
#66
 4-Bromophenyl-phenylether
 Concen: 3.59 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.27 min
 Lab File: BF084904.D
 Acq: 6 Feb 2016 11:45

Instrument :
 BNA_F
 ClientSampleId :
 PB88196BL

Tgt Ion:248 Resp: 19948
 Ion Ratio Lower Upper
 248 100
 250 194.7 78.4 117.6#
 141 313.2 44.0 66.0#

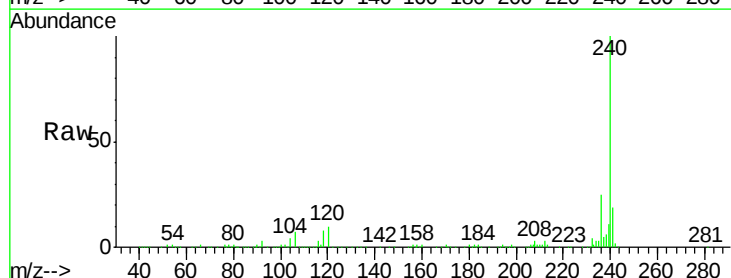


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

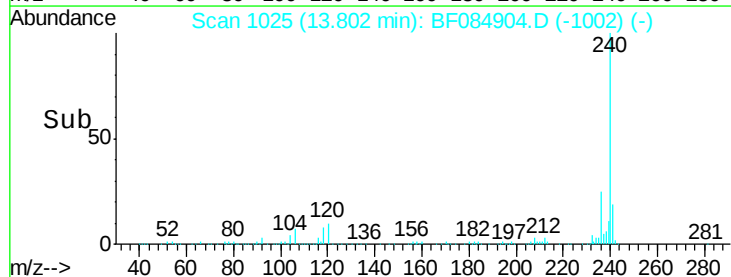
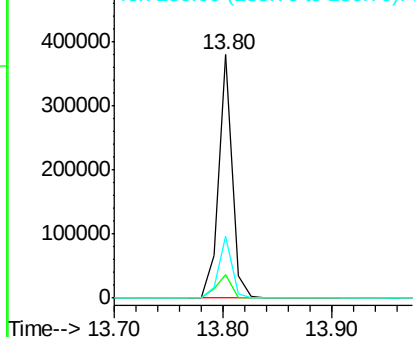


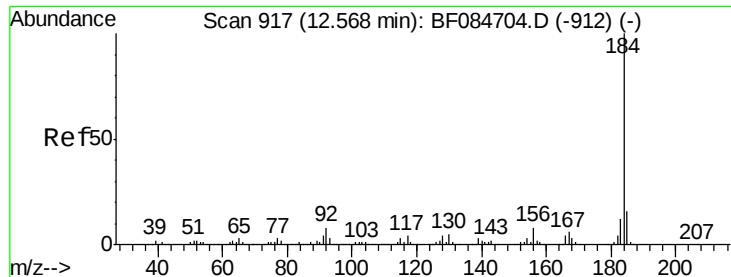
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF084904.D
 Acq: 6 Feb 2016 11:45

Tgt Ion:240 Resp: 334525
 Ion Ratio Lower Upper
 240 100
 120 9.8 9.5 14.3
 236 25.5 20.6 31.0



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





#76

Benzidine

Concen: 7.28 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

Instrument :

BNA_F

ClientSampleId :

PB88196BL

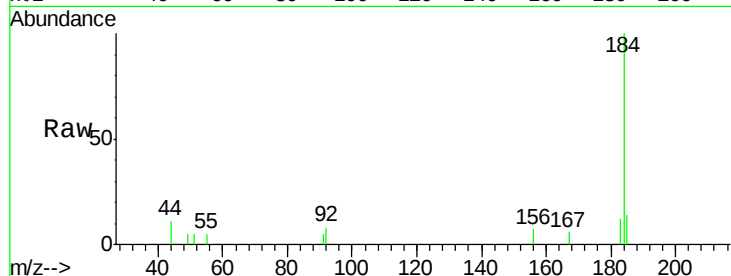
Tgt Ion:184 Resp: 7021

Ion Ratio Lower Upper

184 100

185 14.2 12.2 18.2

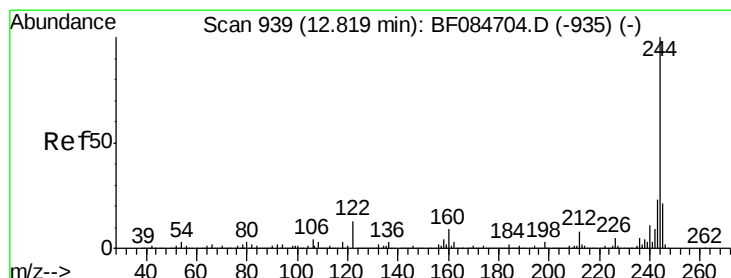
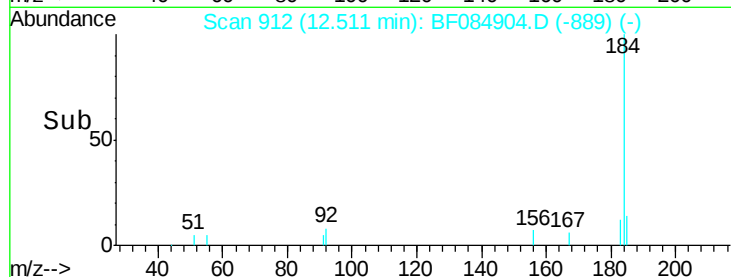
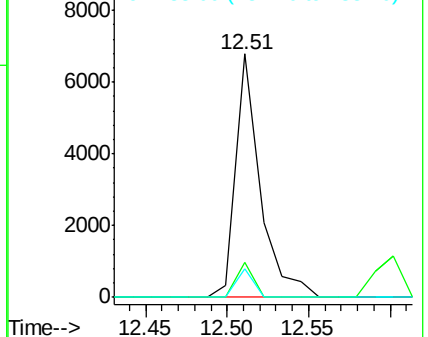
183 11.7 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 76.44 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084904.D

Acq: 6 Feb 2016 11:45

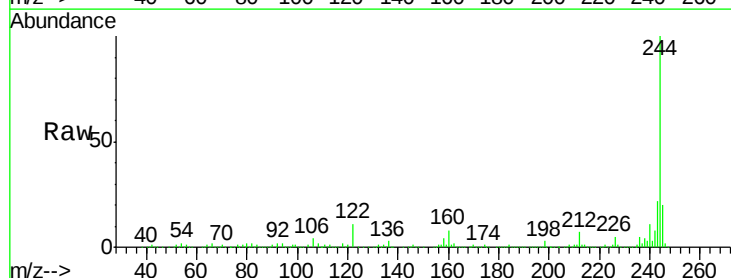
Tgt Ion:244 Resp: 1128521

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

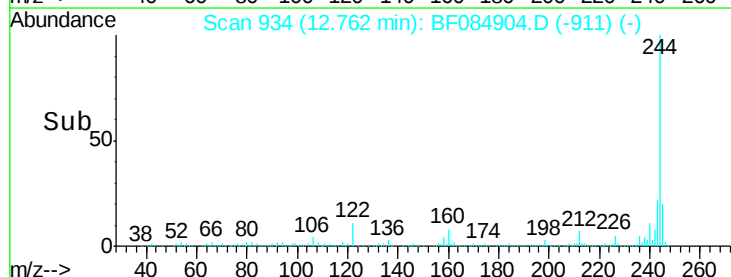
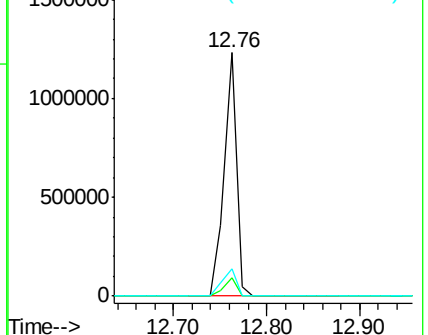
122 11.3 7.4 11.0#

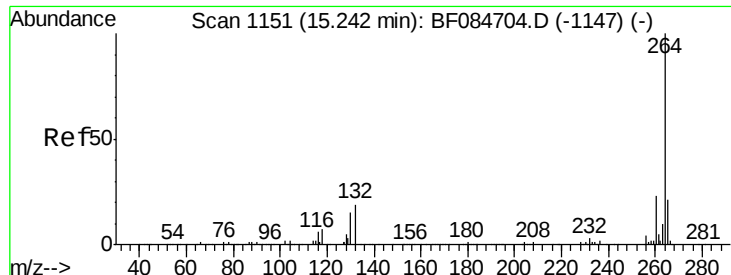


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

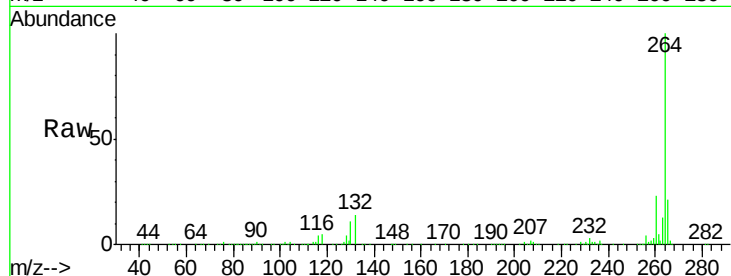




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084904.D
Acq: 6 Feb 2016 11:45

Instrument :
BNA_F
ClientSampleId :
PB88196BL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.4	29.2
265	20.8	17.8	26.6



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

