

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084974.D
 Acq On : 10 Feb 2016 1:31
 Operator : SJ/IZ
 Sample : H1377-18
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB01-0-0.5

Quant Time: Feb 10 03:29:34 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

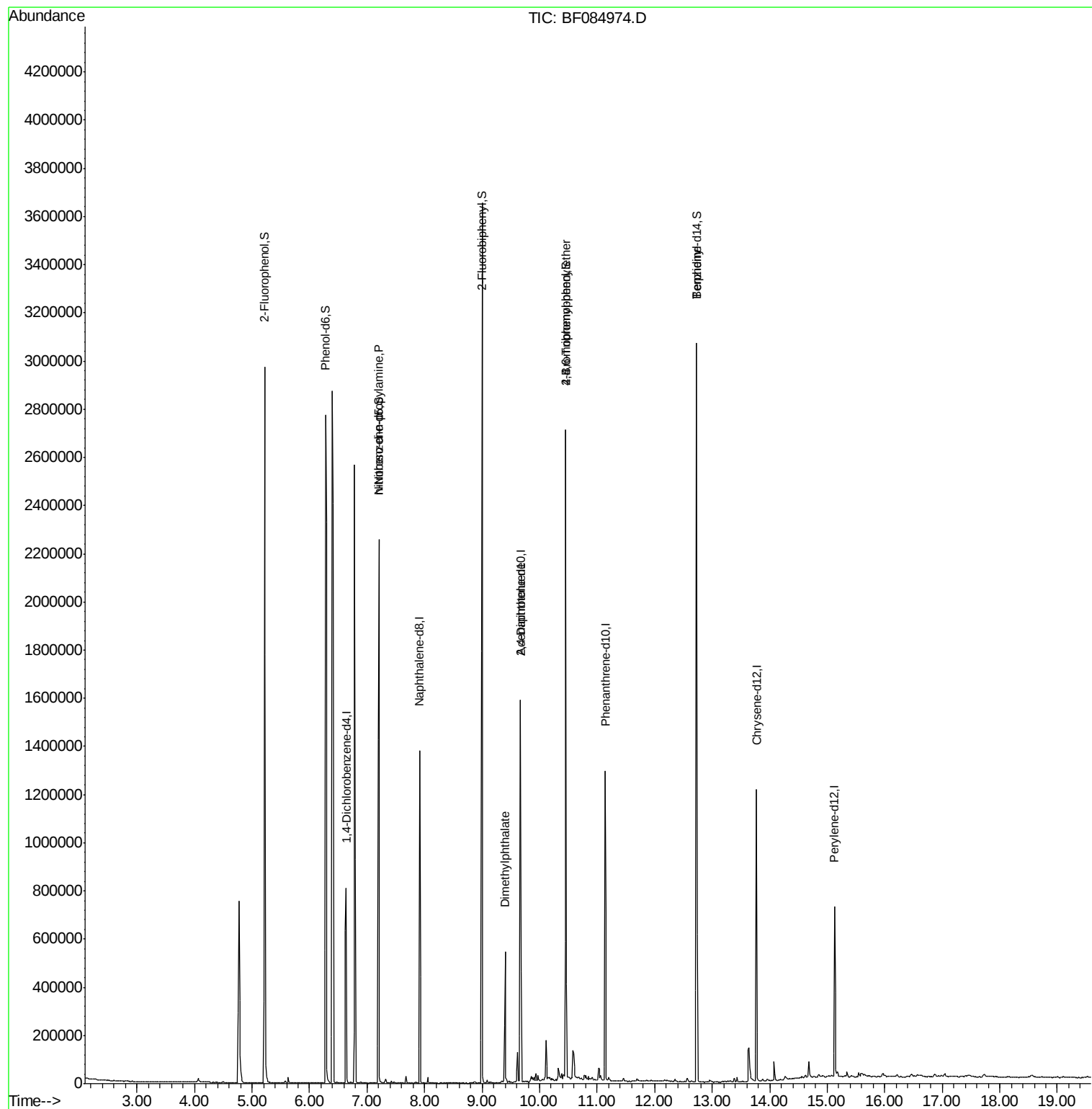
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	168008	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	673643	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	326699	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	563268	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	395612	20.00	ng	-0.07
86) Perylene-d12	15.13	264	312454	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1042356	96.64	ng	-0.06
7) Phenol-d6	6.28	99	1412153	105.61	ng	-0.06
23) Nitrobenzene-d5	7.21	82	900482	75.30	ng	-0.06
41) 2,4,6-Tribromophenol	10.45	330	294687	86.48	ng	-0.07
44) 2-Fluorobiphenyl	9.00	172	1320255	62.32	ng	-0.06
78) Terphenyl-d14	12.73	244	917348	52.55	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.21	70	121970	14.55	ng	# 76
49) Dimethylphthalate	9.40	163	256744	10.32	ng	# 91
56) 2,4-Dinitrotoluene	9.66	165	42605	6.15	ng	# 21
66) 4-Bromophenyl-phenylether	10.45	248	18587	2.99	ng	# 1
76) Benzidine	12.73	184	13441	7.53	ng	98

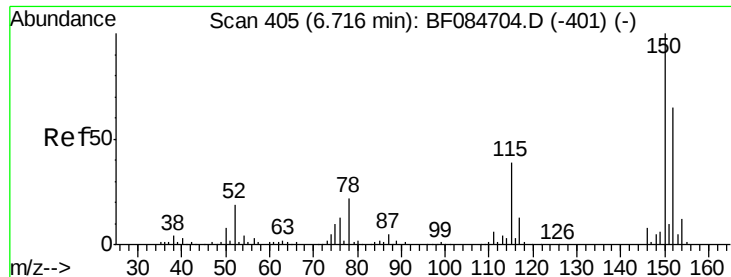
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

Instrument :

BNA_F

ClientSampleId :

SB01-0-0.5

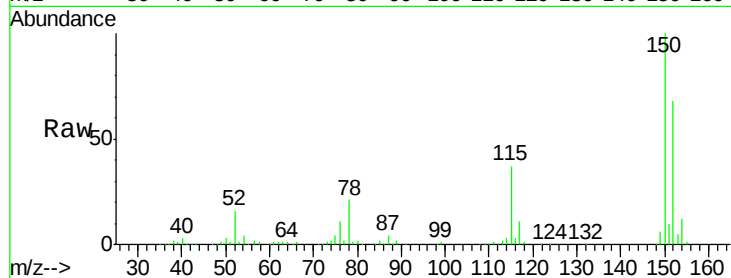
Tgt Ion:152 Resp: 168008

Ion Ratio Lower Upper

152 100

150 146.4 123.0 184.4

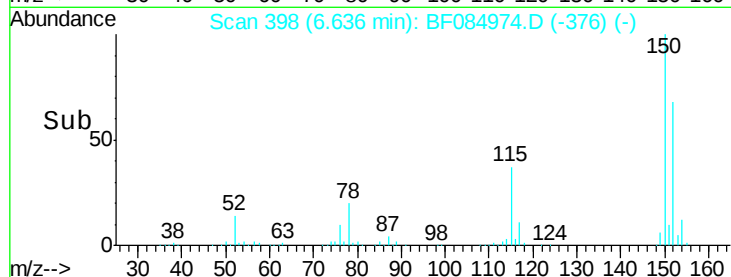
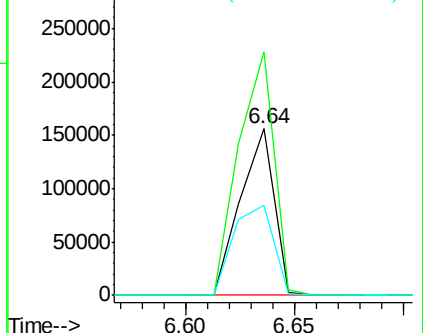
115 54.3 51.4 77.2



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: 96.64 ng

RT: 5.22 min Scan# 274

Delta R.T. -0.06 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

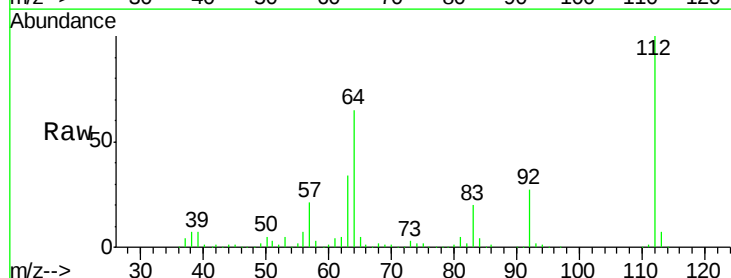
Tgt Ion:112 Resp: 1042356

Ion Ratio Lower Upper

112 100

64 65.0 36.6 55.0#

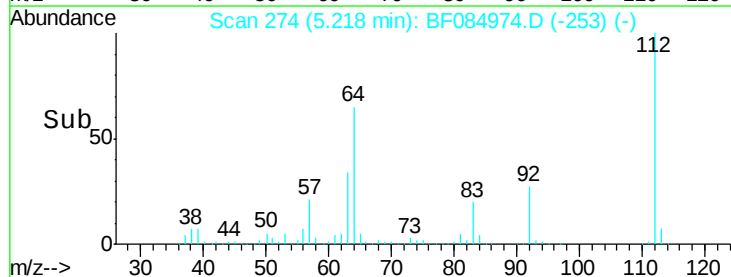
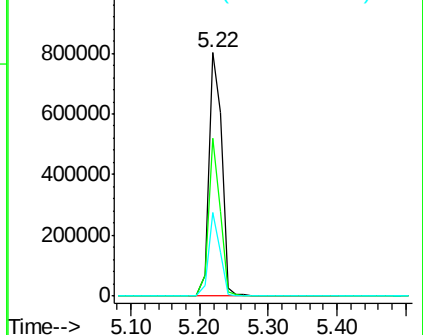
63 34.3 19.4 29.0#



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: 105.61 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.06 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

Instrument :

BNA_F

ClientSampleId :

SB01-0-0.5

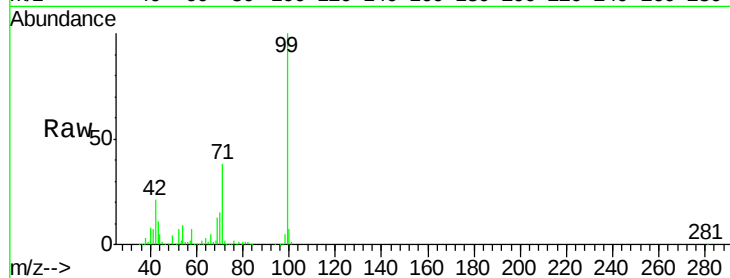
Tgt Ion: 99 Resp: 1412153

Ion Ratio Lower Upper

99 100

42 21.1 12.8 19.2#

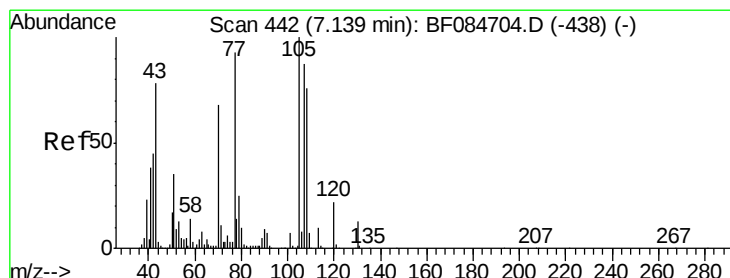
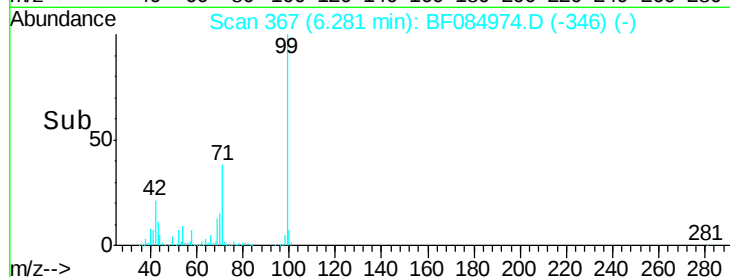
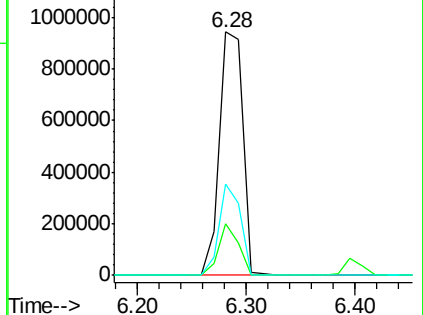
71 37.7 30.9 46.3



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: 14.55 ng

RT: 7.21 min Scan# 448

Delta R.T. 0.09 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

Tgt Ion: 70 Resp: 121970

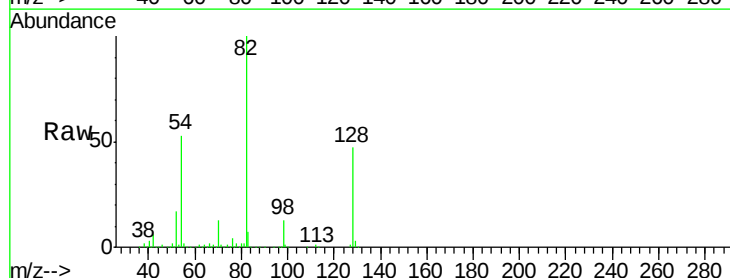
Ion Ratio Lower Upper

70 100

42 43.9 33.3 49.9

101 0.0 9.3 13.9#

130 2.1 23.4 35.0#

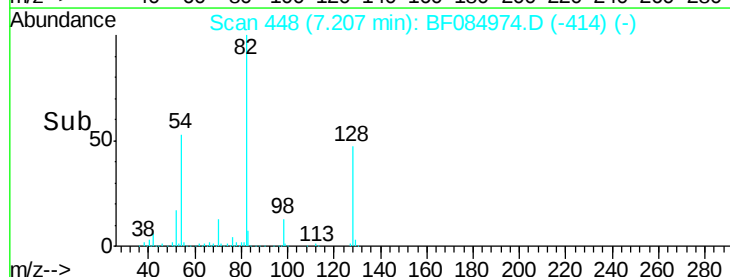
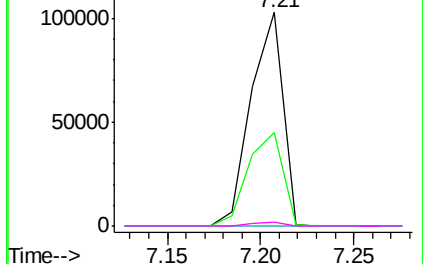


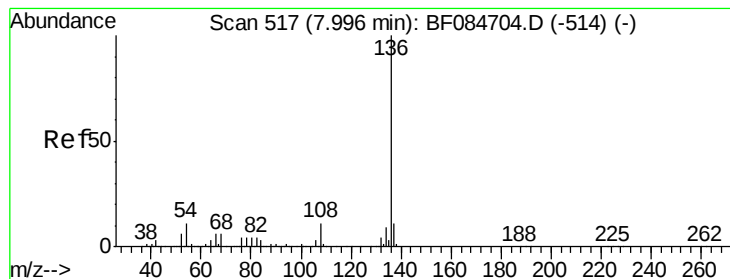
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.92 min Scan# 510

Delta R.T. -0.06 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

Instrument :

BNA_F

ClientSampleId :

SB01-0-0.5

Tgt Ion: 136 Resp: 673643

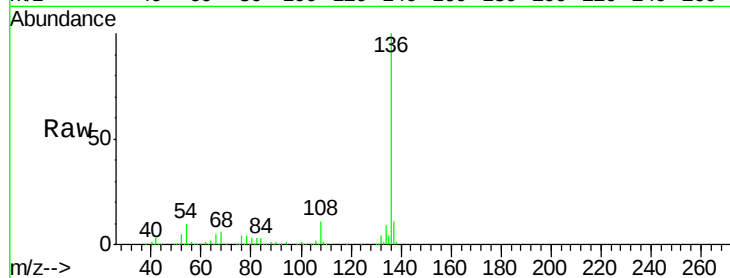
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 10.0 5.8 8.8#

68 5.6 4.2 6.2

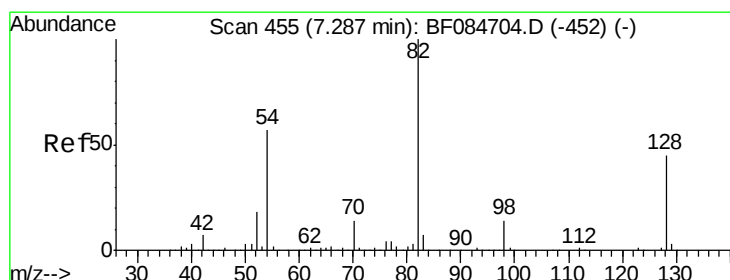
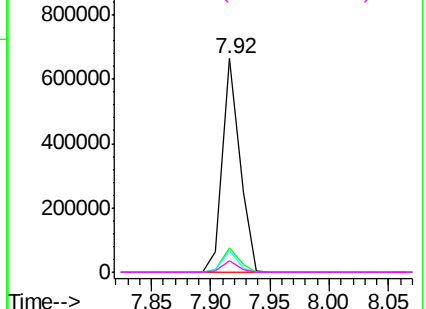
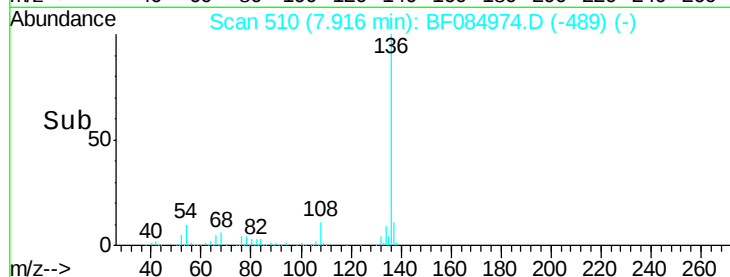


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.30 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

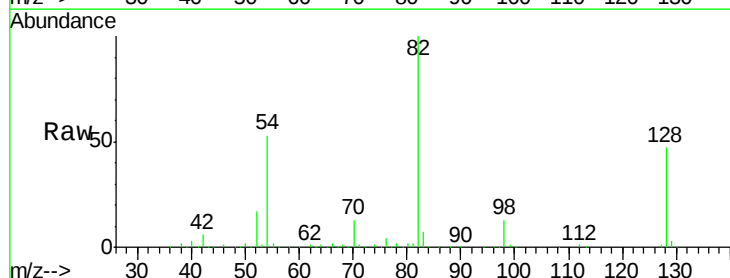
Tgt Ion: 82 Resp: 900482

Ion Ratio Lower Upper

82 100

128 47.3 34.6 51.8

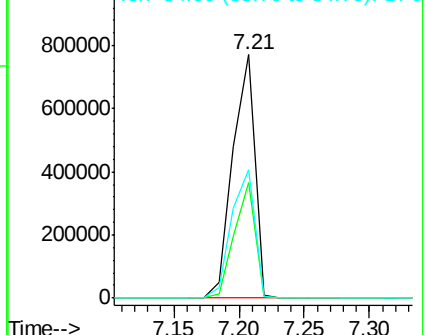
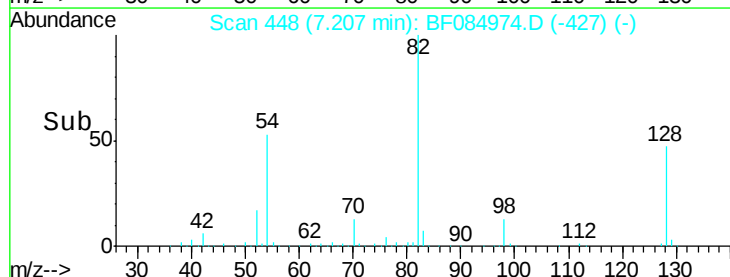
54 52.7 38.4 57.6

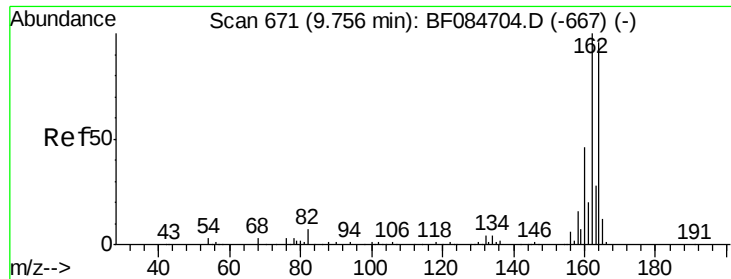


Abundance Ion 82.00 (81.70 to 82.70): BF0

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# 663

Delta R.T. -0.07 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

Instrument :

BNA_F

ClientSampleId :

SB01-0-0.5

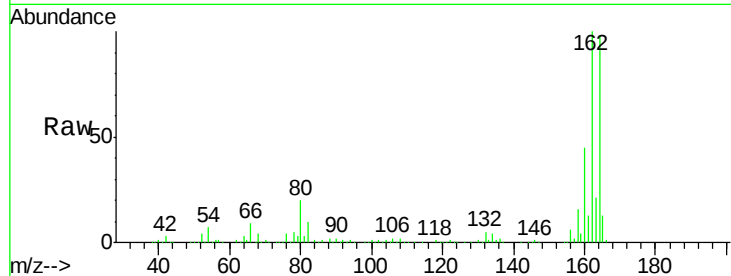
Tgt Ion:164 Resp: 326699

Ion Ratio Lower Upper

164 100

162 102.0 85.1 127.7

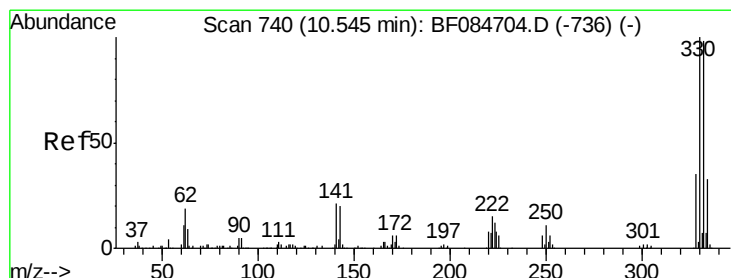
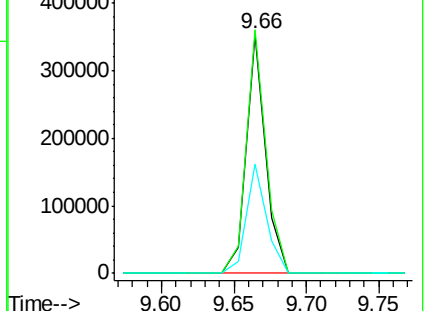
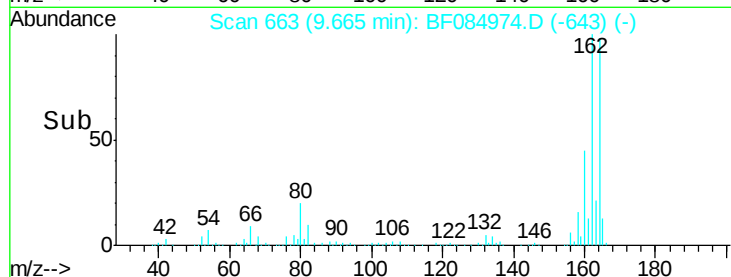
160 45.6 37.5 56.3



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: 86.48 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.07 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

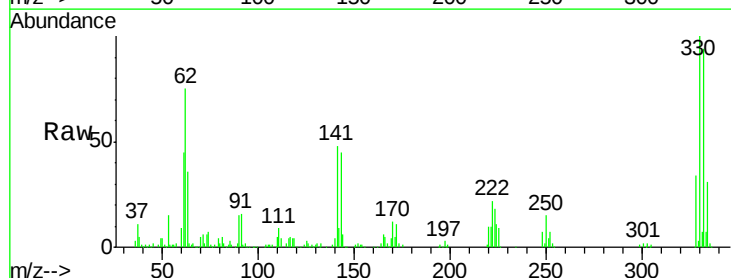
Tgt Ion:330 Resp: 294687

Ion Ratio Lower Upper

330 100

332 95.9 76.6 114.8

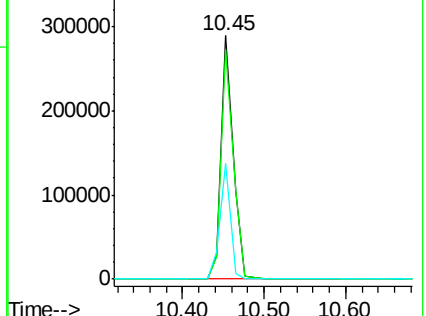
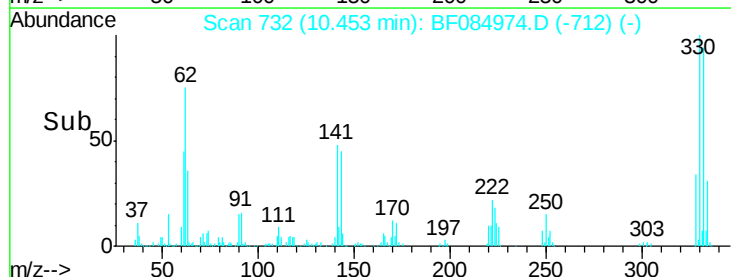
141 41.9 27.8 41.6#

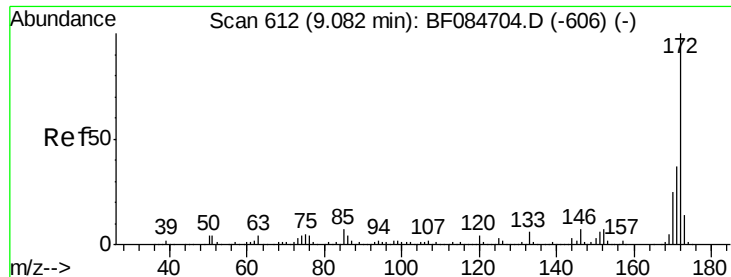


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

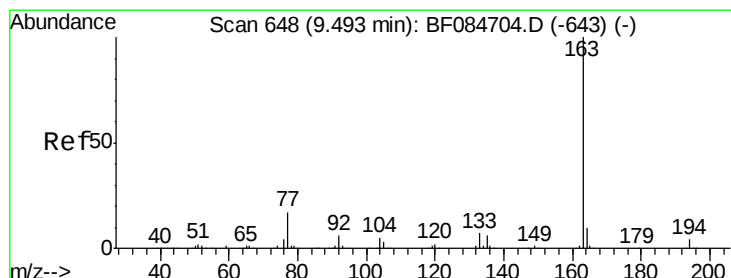
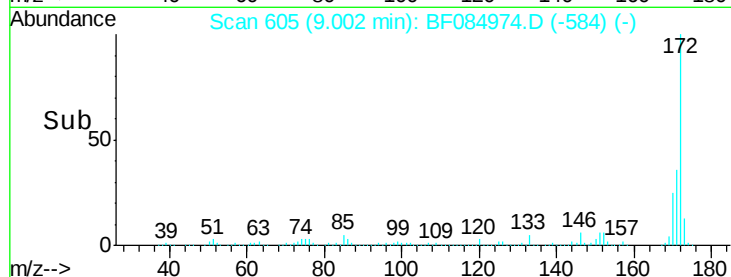
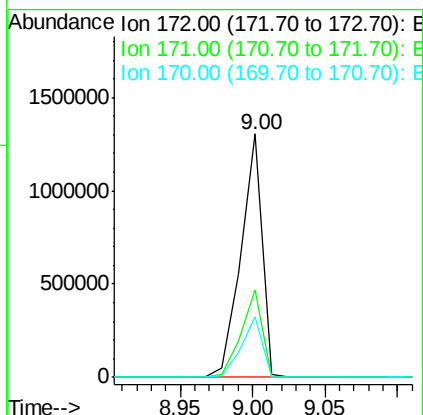
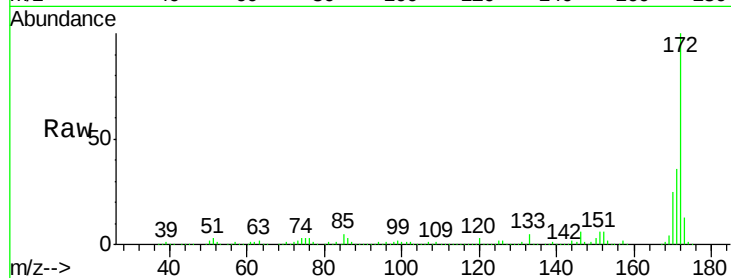




#44
 2-Fluorobiphenyl
 Concen: 62.32 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084974.D
 Acq: 10 Feb 2016 1:31

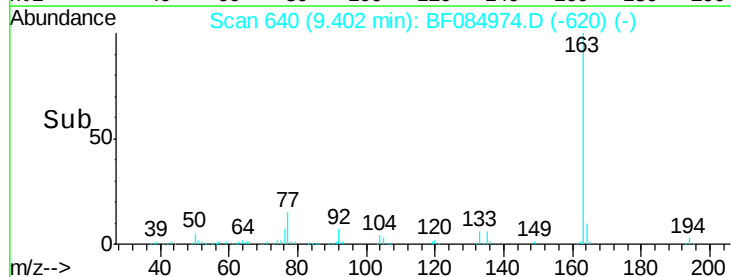
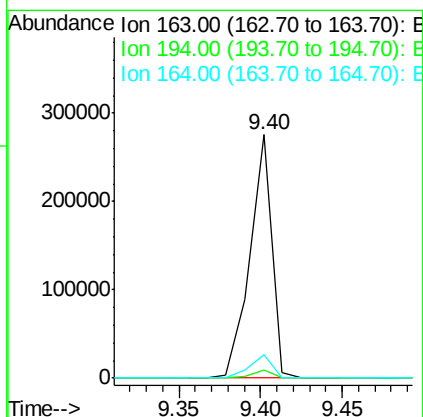
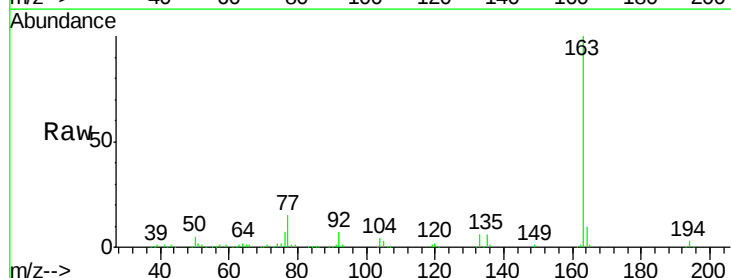
Instrument :
 BNA_F
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 SB01-0-0.5

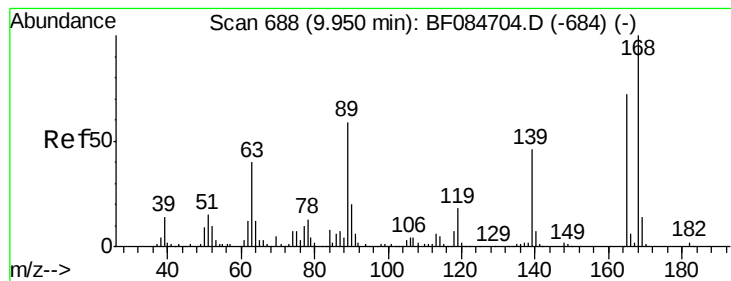
Tgt Ion:172 Resp: 1320255
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.9 43.3
 170 24.8 18.6 27.8



#49
 Dimethylphthalate
 Concen: 10.32 ng
 RT: 9.40 min Scan# 640
 Delta R.T. -0.07 min
 Lab File: BF084974.D
 Acq: 10 Feb 2016 1:31

Tgt Ion:163 Resp: 256744
 Ion Ratio Lower Upper
 163 100
 194 3.3 8.0 12.0#
 164 9.8 8.0 12.0

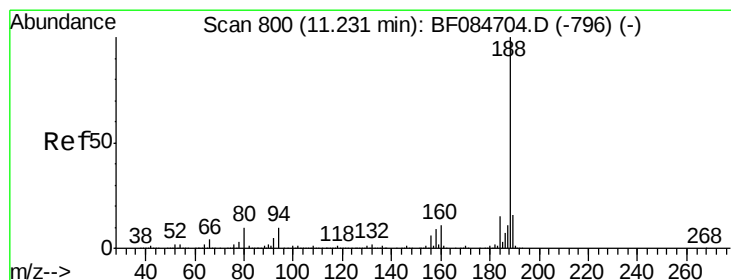
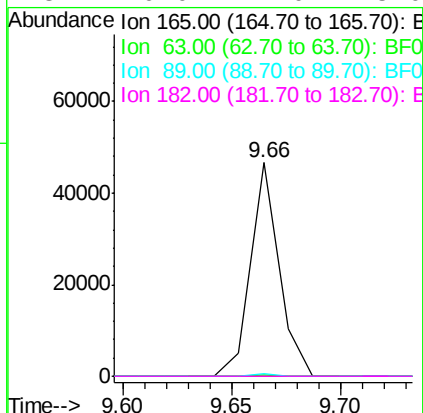
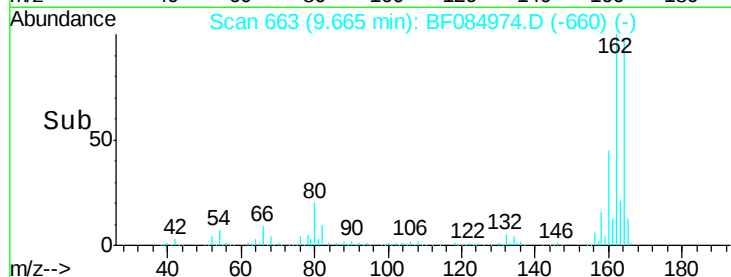
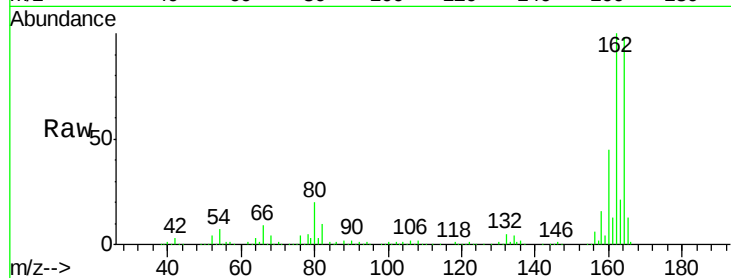




#56
 2,4-Dinitrotoluene
 Concen: 6.15 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.26 min
 Lab File: BF084974.D
 Acq: 10 Feb 2016 1:31

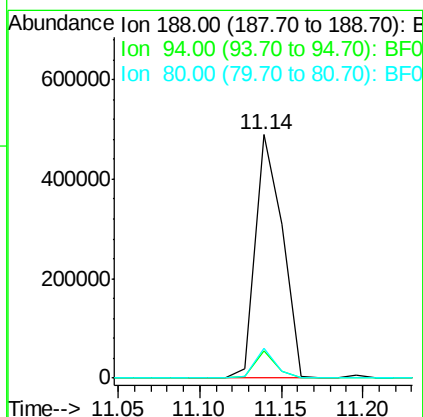
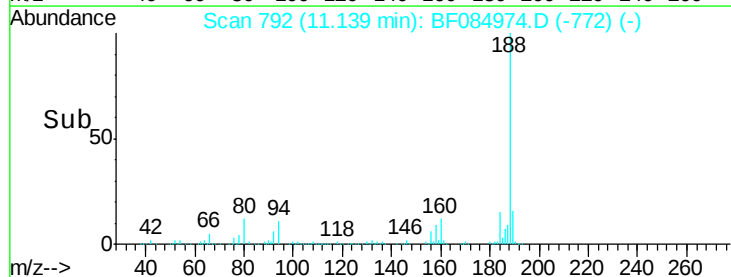
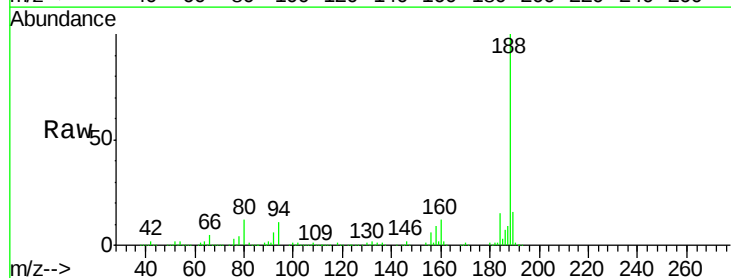
Instrument :
 BNA_F
 ClientSampleId :
 SB01-0-0.5

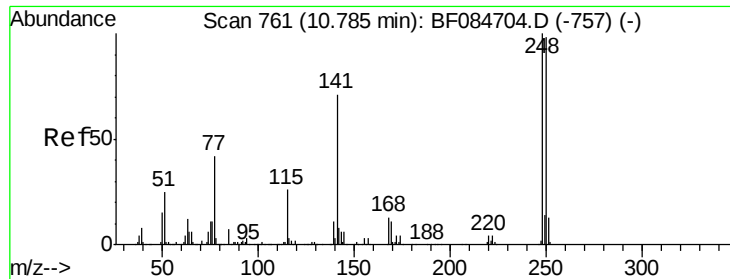
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.7	55.1#
89	1.2	61.9	92.9#
182	0.0	2.0	3.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.14 min Scan# 792
 Delta R.T. -0.07 min
 Lab File: BF084974.D
 Acq: 10 Feb 2016 1:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.4
80	12.2	9.6	14.4





#66

4-Bromophenyl-phenylether

Concen: 2.99 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.31 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

Instrument :

BNA_F

ClientSampleId :

SB01-0-0.5

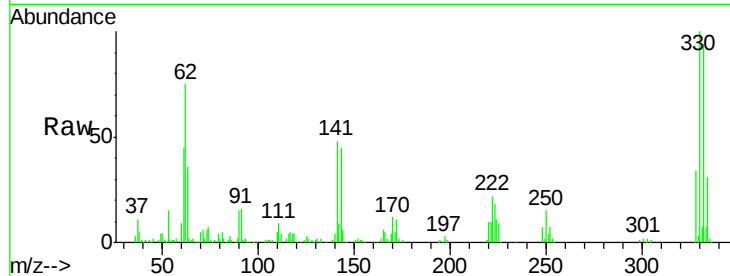
Tgt Ion:248 Resp: 18587

Ion Ratio Lower Upper

248 100

250 198.7 78.4 117.6#

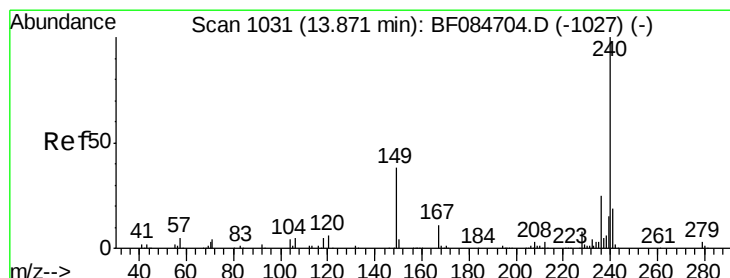
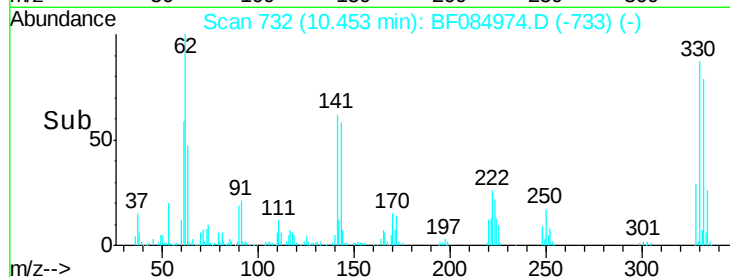
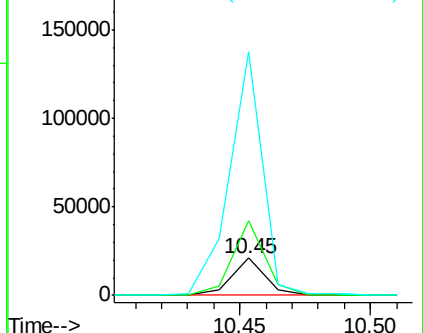
141 649.5 44.0 66.0#



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: 13.77 min Scan# 1022

Delta R.T. -0.07 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

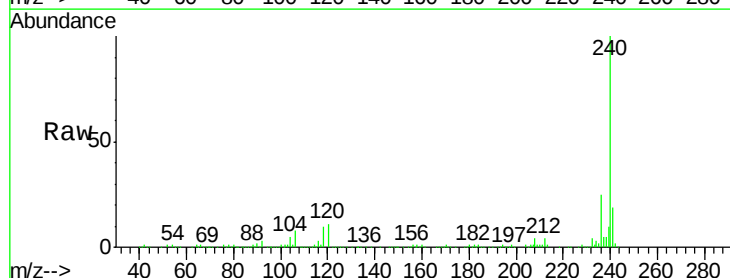
Tgt Ion:240 Resp: 395612

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

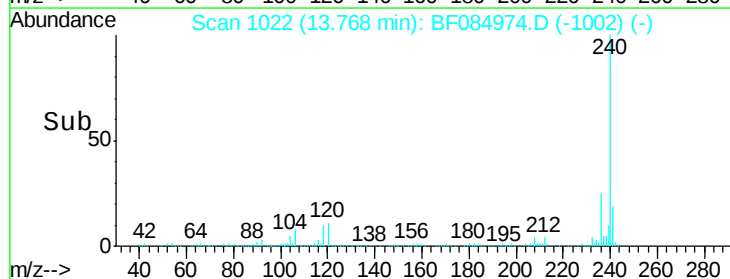
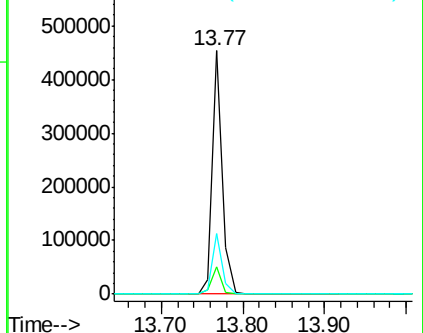
236 24.9 20.6 31.0

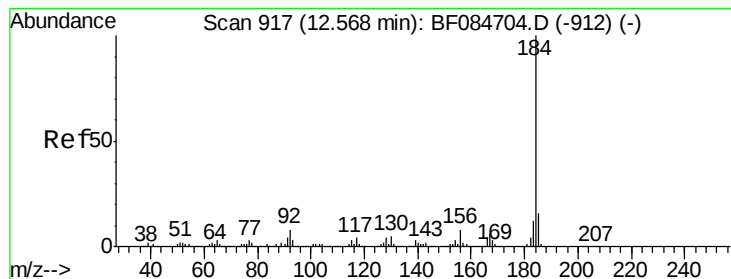


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.53 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.18 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

Instrument :

BNA_F

ClientSampleId :

SB01-0-0.5

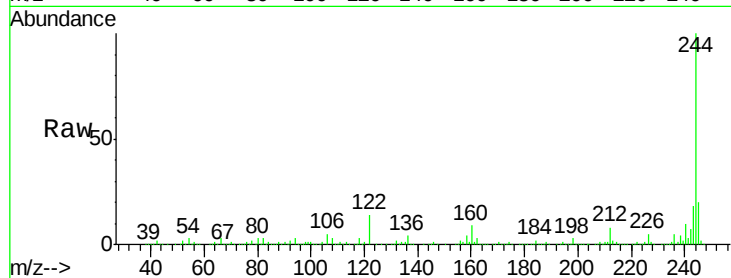
Tgt Ion:184 Resp: 13441

Ion Ratio Lower Upper

184 100

185 16.2 12.2 18.2

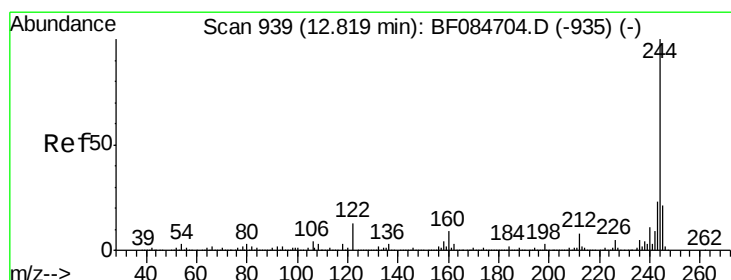
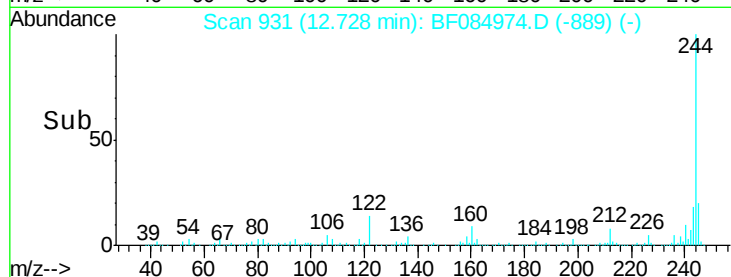
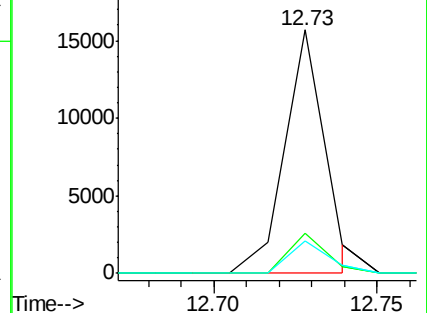
183 13.2 9.8 14.8



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: 52.55 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.07 min

Lab File: BF084974.D

Acq: 10 Feb 2016 1:31

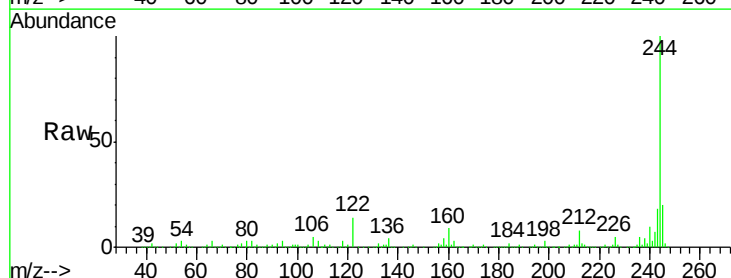
Tgt Ion:244 Resp: 917348

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

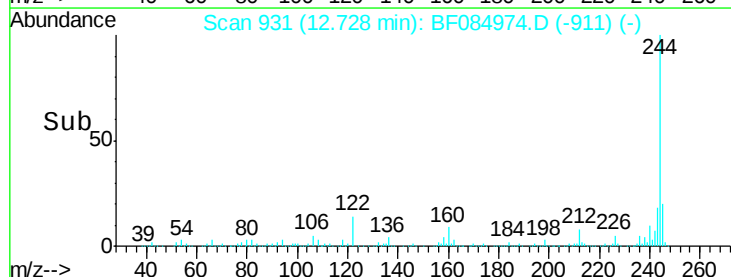
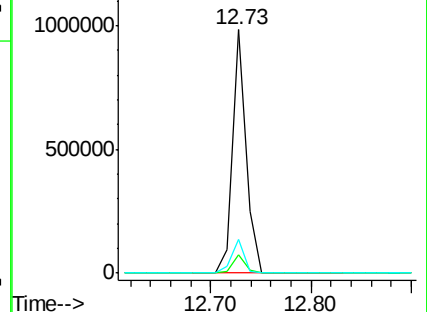
122 13.7 7.4 11.0#

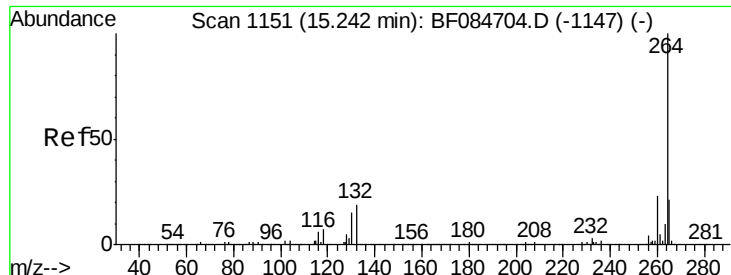


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.13 min Scan# 1141
Delta R.T. -0.08 min
Lab File: BF084974.D
Acq: 10 Feb 2016 1:31

Instrument :
BNA_F
ClientSampleId :
SB01-0-0.5

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	21.6	17.8	26.6

