

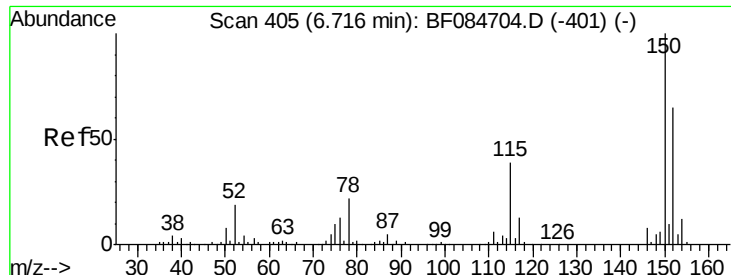
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020916\
 Data File : BF084967.D
 Acq On : 9 Feb 2016 22:16
 Operator : SJ/IZ
 Sample : H1329-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(20-22)

Quant Time: Feb 10 03:28:01 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	166155	20.00	ng	-0.05
21) Naphthalene-d8	7.92	136	650322	20.00	ng	-0.06
38) Acenaphthene-d10	9.66	164	307485	20.00	ng	-0.07
63) Phenanthrene-d10	11.14	188	574064	20.00	ng	-0.07
75) Chrysene-d12	13.77	240	418898	20.00	ng	-0.07
86) Perylene-d12	15.13	264	306087	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1432030	134.24	ng	-0.05
7) Phenol-d6	6.29	99	1718804	129.97	ng	-0.05
23) Nitrobenzene-d5	7.21	82	1125086	97.46	ng	-0.06
41) 2,4,6-Tribromophenol	10.46	330	482282	150.37	ng	-0.06
44) 2-Fluorobiphenyl	9.00	172	1652452	93.73	ng	-0.06
78) Terphenyl-d14	12.74	244	1475128	79.80	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.41	77	38573	4.94	ng	Qvalue 80
19) n-Nitroso-di-n-propylamine	7.21	70	162909	19.65	ng	# 73
49) Dimethylphthalate	9.40	163	692733	29.58	ng	# 90
56) 2,4-Dinitrotoluene	9.66	165	39296	6.02	ng	# 21
66) 4-Bromophenyl-phenylether	10.45	248	27666	4.36	ng	# 1
76) Benzidine	12.73	184	19551	7.77	ng	# 92
77) Pyrene	12.58	202	64233	2.00	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 398

Delta R.T. -0.05 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

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ClientSampleId :

S4-B010(20-22)

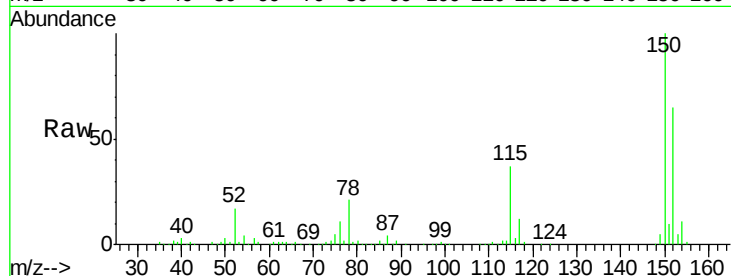
Tgt Ion:152 Resp: 166155

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

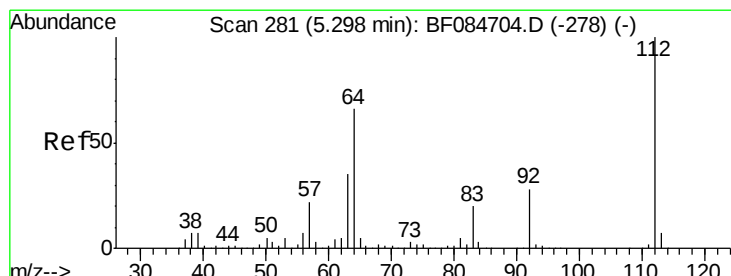
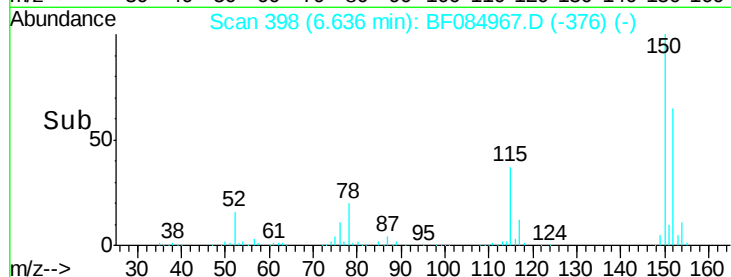
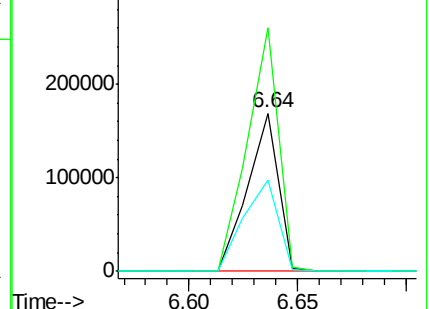
115 57.7 51.4 77.2



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: 134.24 ng

RT: 5.23 min Scan# 275

Delta R.T. -0.05 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

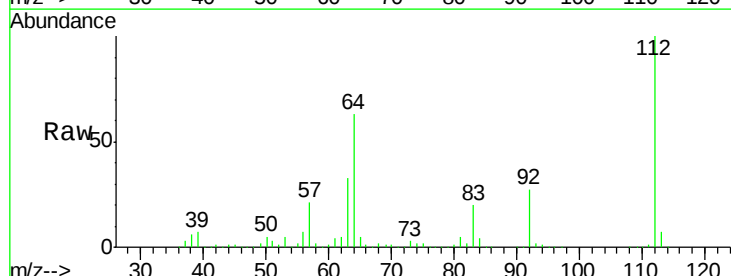
Tgt Ion:112 Resp: 1432030

Ion Ratio Lower Upper

112 100

64 62.8 36.6 55.0#

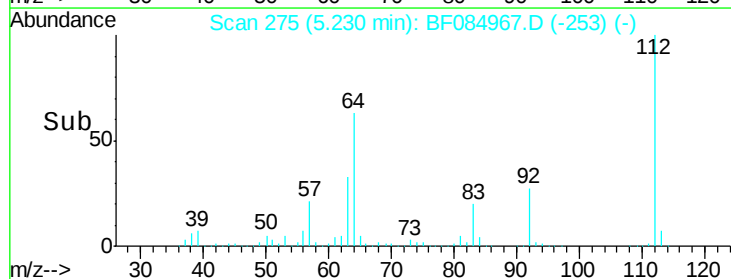
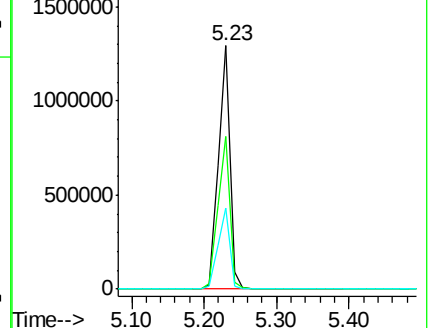
63 33.5 19.4 29.0#

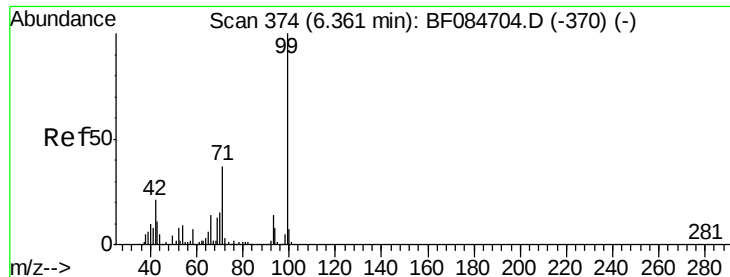


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 129.97 ng

RT: 6.29 min Scan# 368

Delta R.T. -0.05 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

Instrument :

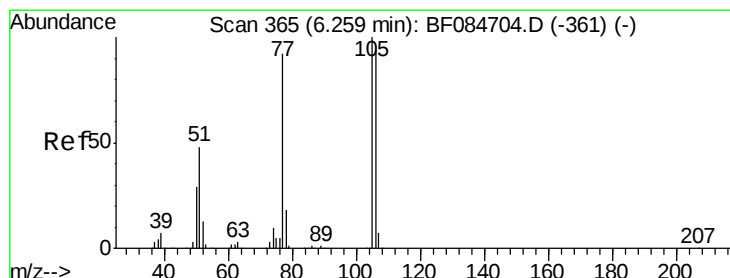
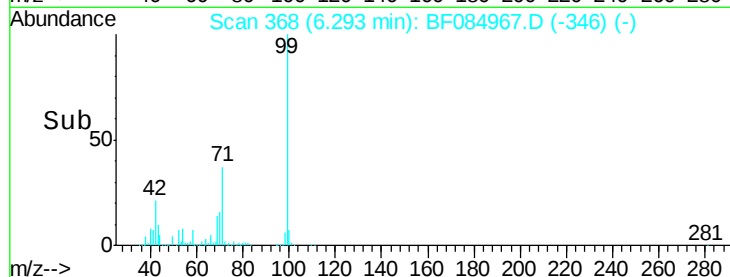
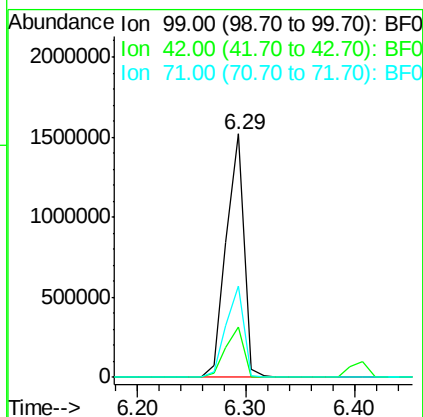
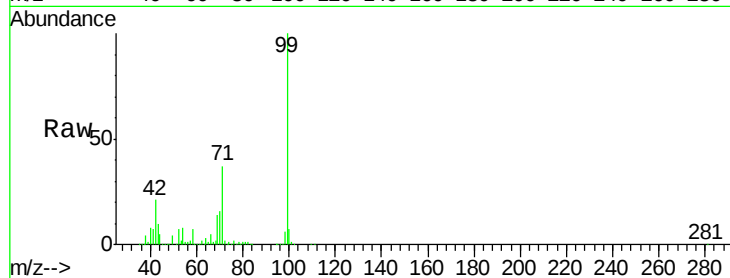
BNA_F

ClientSampleId :

S4-B010(20-22)

Tgt Ion: 99 Resp: 1718804

Ion	Ratio	Lower	Upper
99	100		
42	20.6	12.8	19.2#
71	37.4	30.9	46.3



#9

Benzaldehyde

Concen: 4.94 ng

RT: 6.41 min Scan# 378

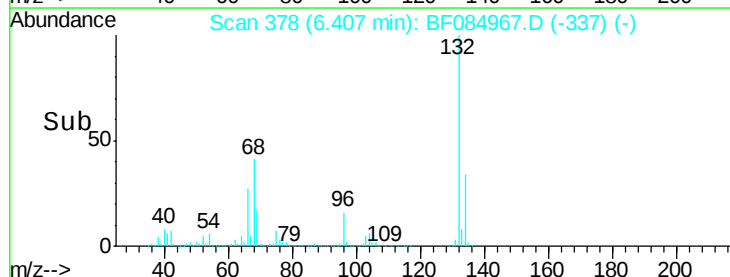
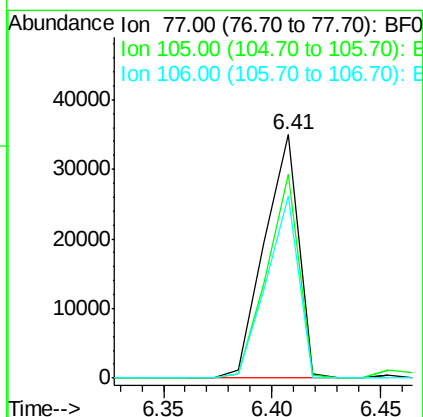
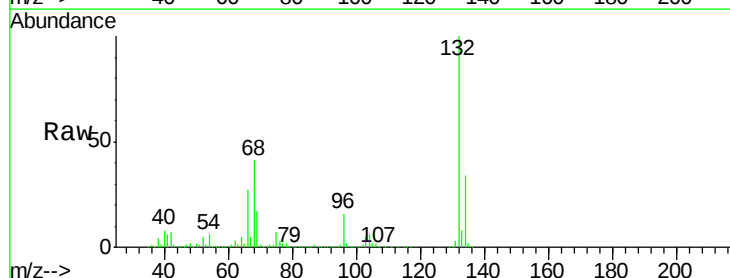
Delta R.T. 0.17 min

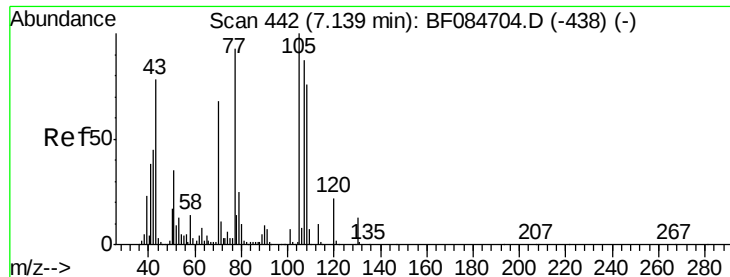
Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

Tgt Ion: 77 Resp: 38573

Ion	Ratio	Lower	Upper
77	100		
105	83.9	83.0	123.0
106	74.7	74.6	114.6

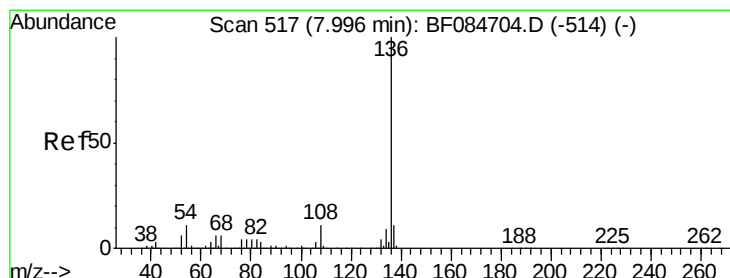
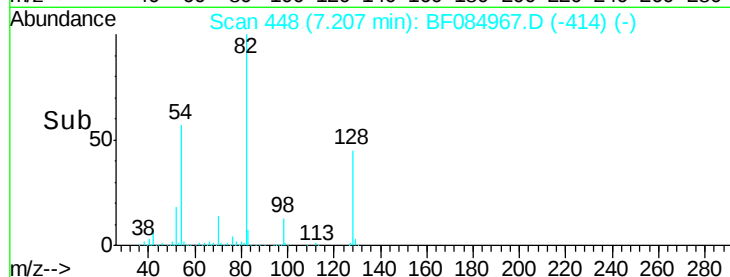
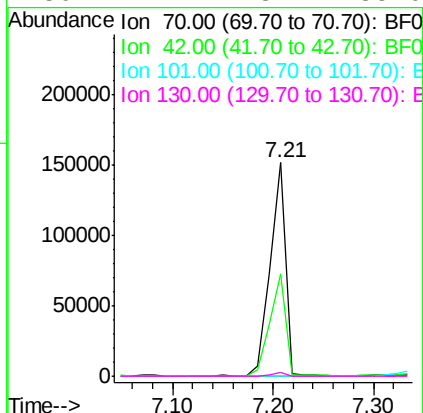
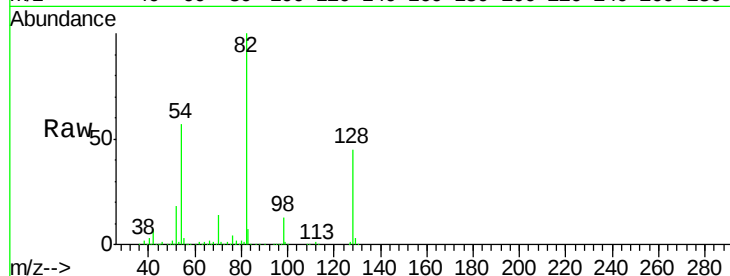




#19
n-Nitroso-di-n-propylamine
Concen: 19.65 ng
RT: 7.21 min Scan# 448
Delta R.T. 0.09 min
Lab File: BF084967.D
Acq: 9 Feb 2016 22:16

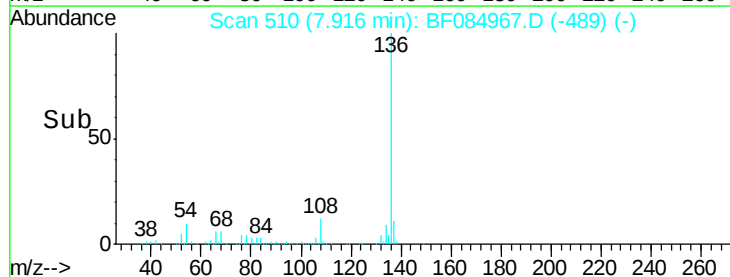
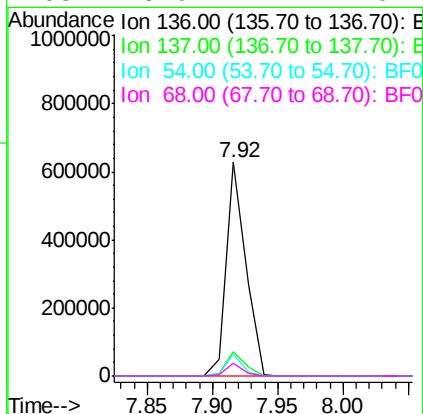
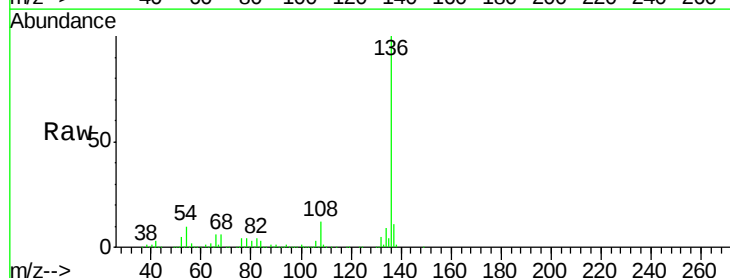
Instrument :
BNA_F
ClientSampleId :
S4-B010(20-22)

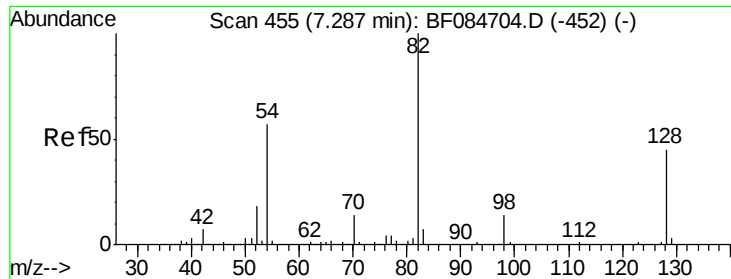
Tgt Ion: 70 Resp: 162909
Ion Ratio Lower Upper
70 100
42 47.9 33.3 49.9
101 0.0 9.3 13.9#
130 2.1 23.4 35.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.06 min
Lab File: BF084967.D
Acq: 9 Feb 2016 22:16

Tgt Ion: 136 Resp: 650322
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 10.4 5.8 8.8#
68 5.9 4.2 6.2

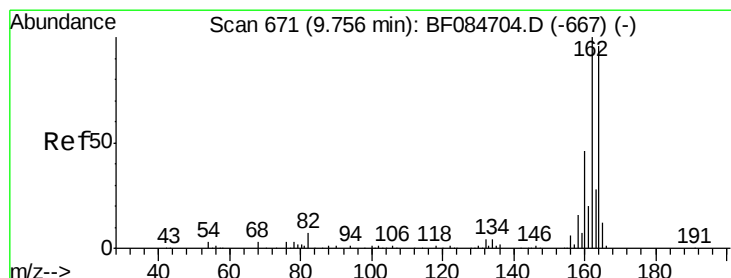
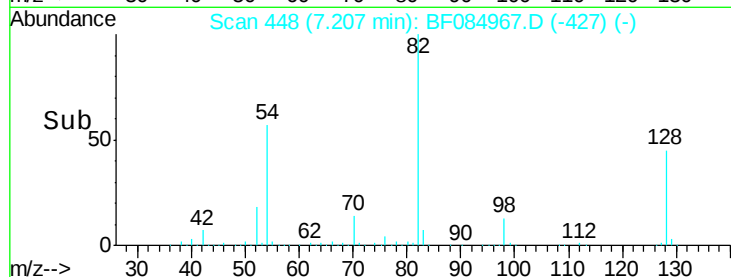
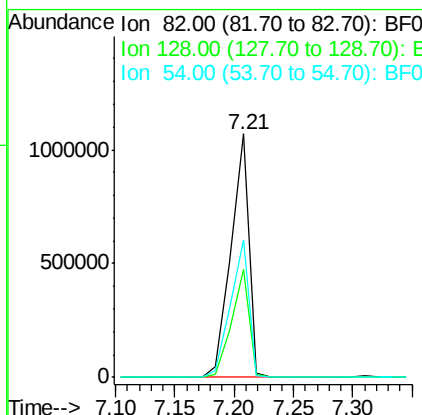
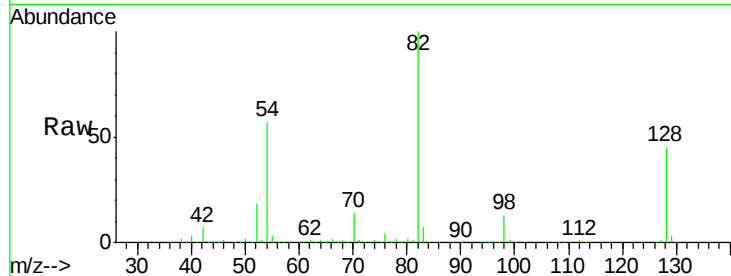




#23
 Nitrobenzene-d5
 Concen: 97.46 ng
 RT: 7.21 min Scan# 448
 Delta R.T. -0.06 min
 Lab File: BF084967.D
 Acq: 9 Feb 2016 22:16

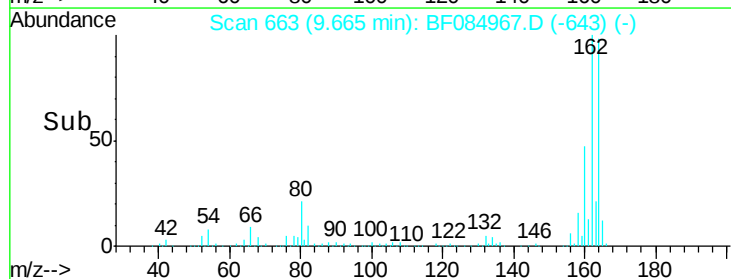
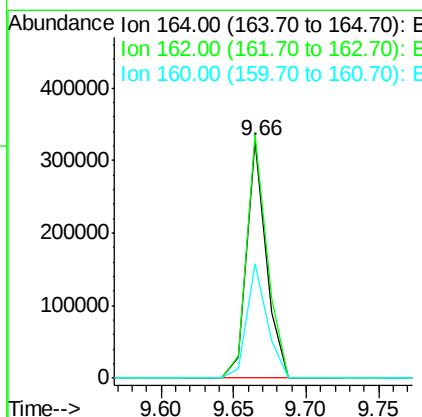
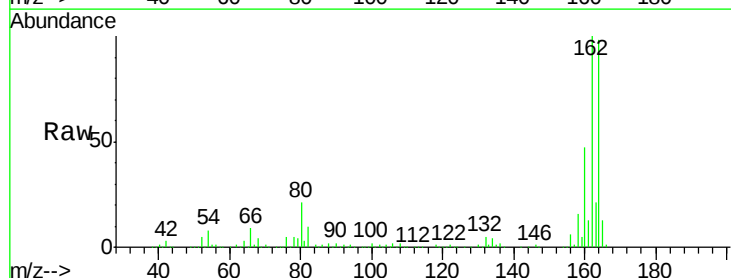
Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(20-22)

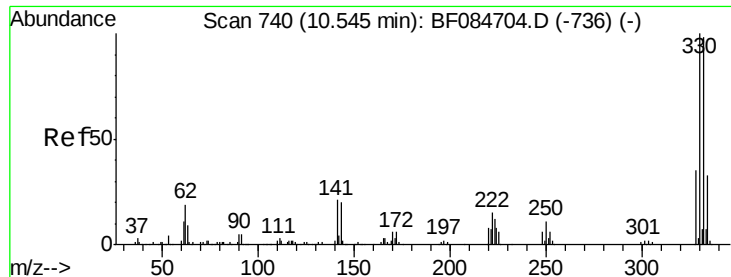
Tgt Ion: 82 Resp: 1125086
 Ion Ratio Lower Upper
 82 100
 128 44.6 34.6 51.8
 54 56.6 38.4 57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 663
 Delta R.T. -0.07 min
 Lab File: BF084967.D
 Acq: 9 Feb 2016 22:16

Tgt Ion: 164 Resp: 307485
 Ion Ratio Lower Upper
 164 100
 162 102.5 85.1 127.7
 160 48.0 37.5 56.3

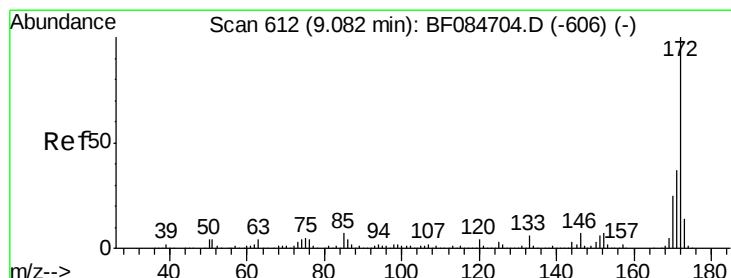
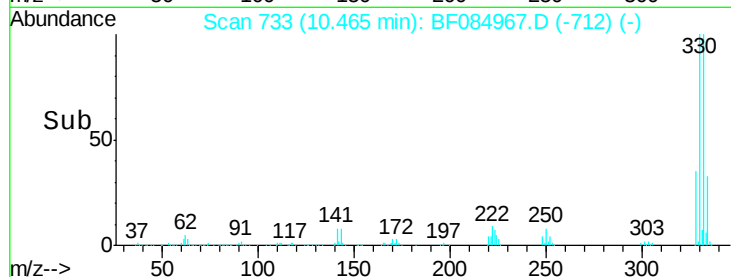
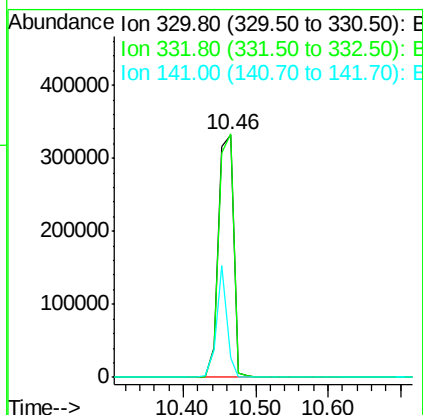
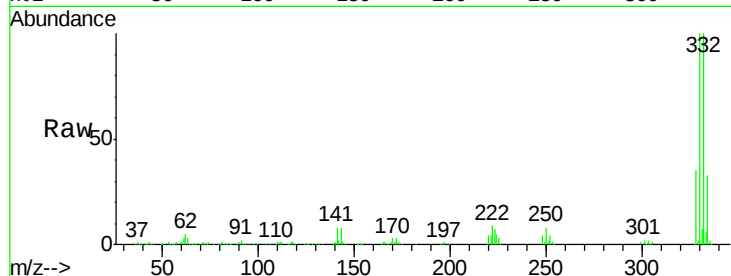




#41
 2,4,6-Tribromophenol
 Concen: 150.37 ng
 RT: 10.46 min Scan# 733
 Delta R.T. -0.06 min
 Lab File: BF084967.D
 Acq: 9 Feb 2016 22:16

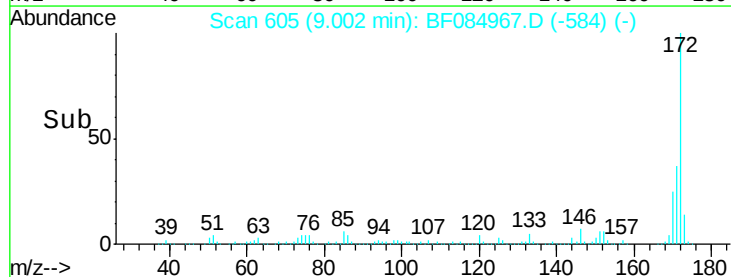
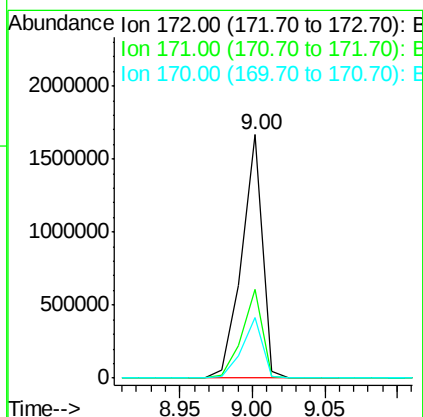
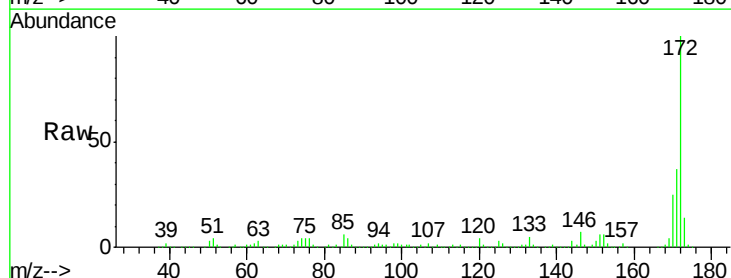
Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(20-22)

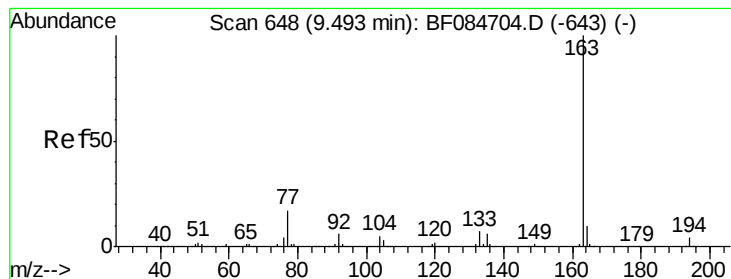
Tgt Ion:330 Resp: 482282
 Ion Ratio Lower Upper
 330 100
 332 98.6 76.6 114.8
 141 31.5 27.8 41.6



#44
 2-Fluorobiphenyl
 Concen: 93.73 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084967.D
 Acq: 9 Feb 2016 22:16

Tgt Ion:172 Resp: 1652452
 Ion Ratio Lower Upper
 172 100
 171 36.6 28.9 43.3
 170 25.1 18.6 27.8





#49

Dimethylphthalate

Concen: 29.58 ng

RT: 9.40 min Scan# 640

Delta R.T. -0.07 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S4-B010(20-22)

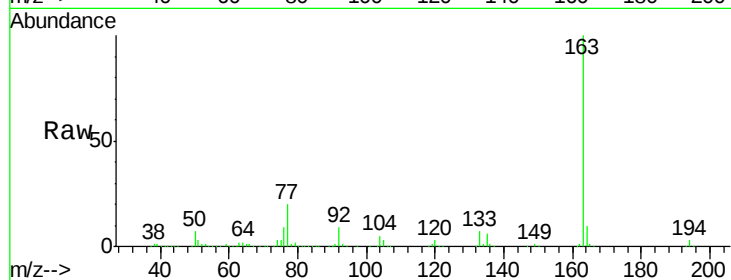
Tgt Ion:163 Resp: 692733

Ion Ratio Lower Upper

163 100

194 3.2 8.0 12.0#

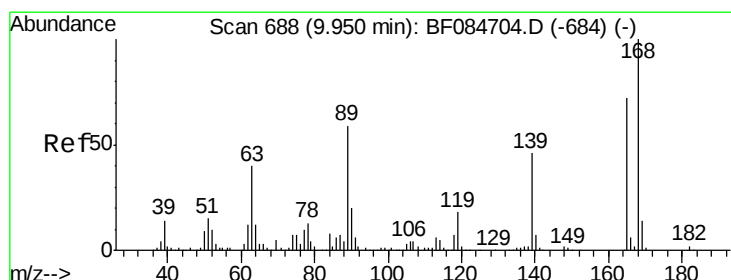
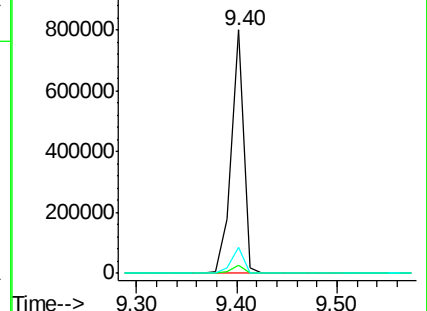
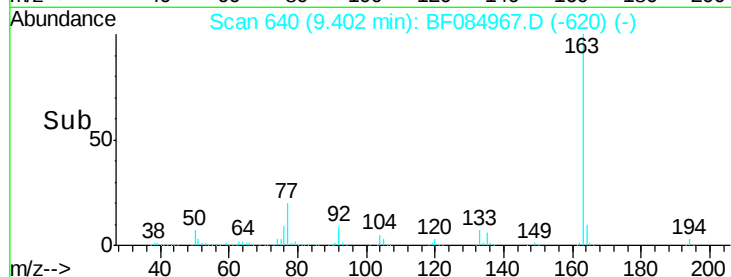
164 10.4 8.0 12.0



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: 6.02 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.26 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

Tgt Ion:165 Resp: 39296

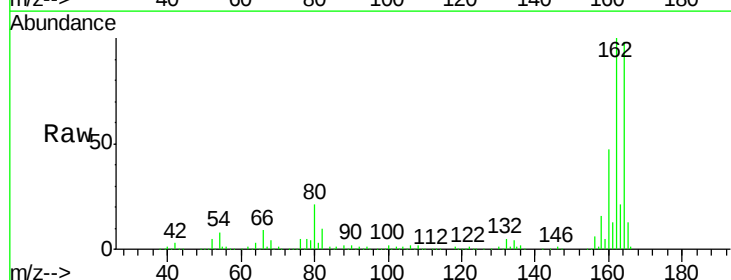
Ion Ratio Lower Upper

165 100

63 1.5 36.7 55.1#

89 1.4 61.9 92.9#

182 0.0 2.0 3.0#

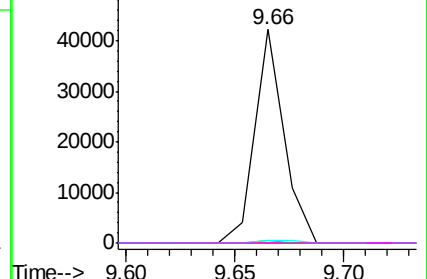
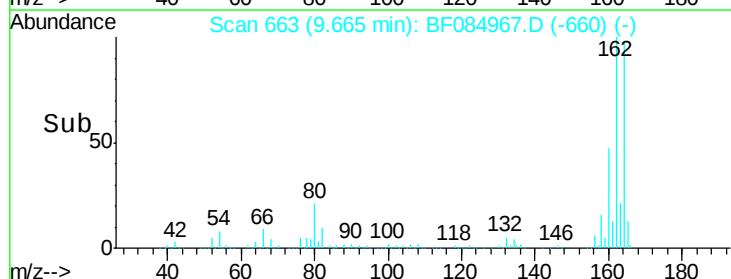


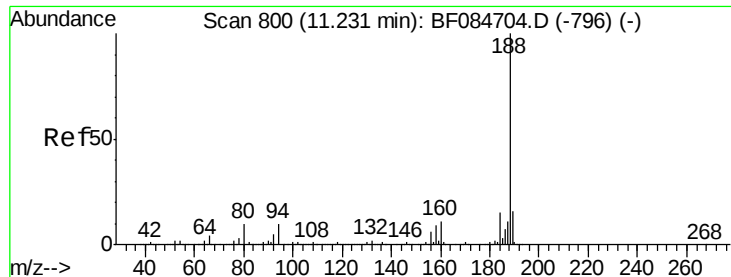
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.14 min Scan# 792

Delta R.T. -0.07 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S4-B010(20-22)

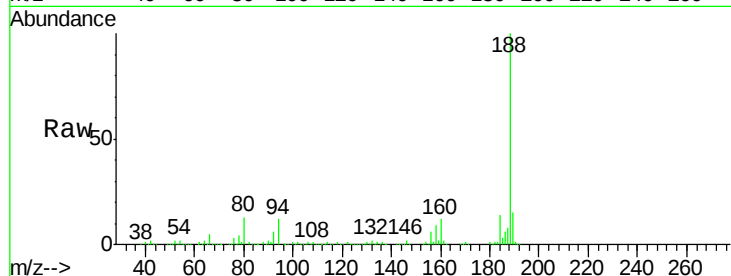
Tgt Ion:188 Resp: 574064

Ion Ratio Lower Upper

188 100

94 12.1 9.0 13.4

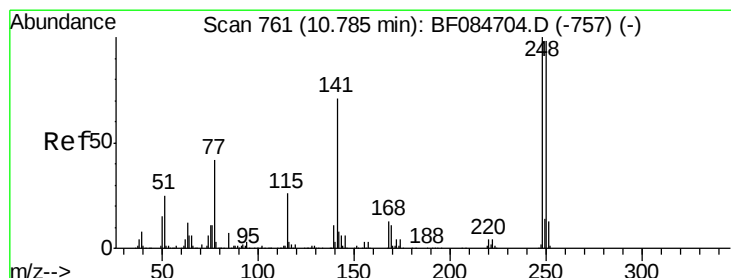
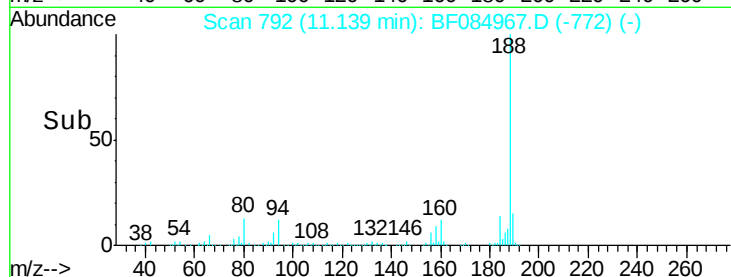
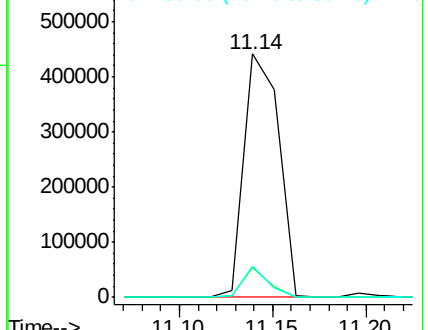
80 13.0 9.6 14.4



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: 4.36 ng

RT: 10.45 min Scan# 732

Delta R.T. -0.31 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

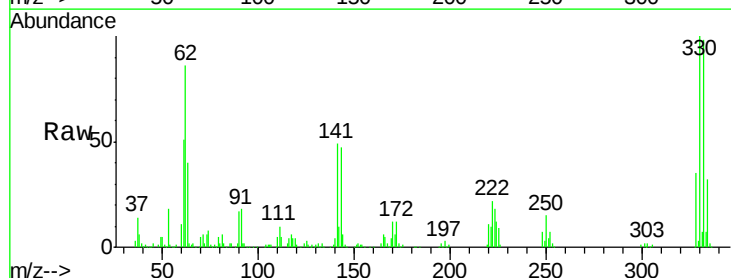
Tgt Ion:248 Resp: 27666

Ion Ratio Lower Upper

248 100

250 212.1 78.4 117.6#

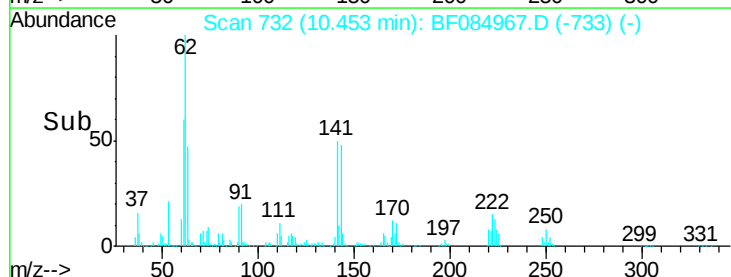
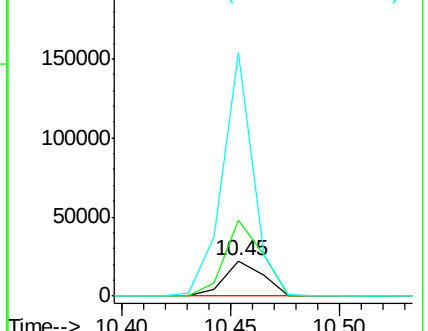
141 684.9 44.0 66.0#

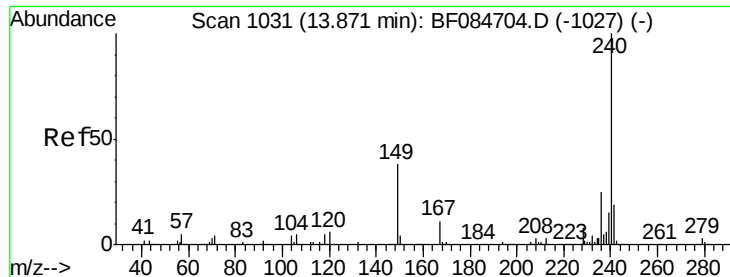


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF084967.D

Acq: 9 Feb 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S4-B010(20-22)

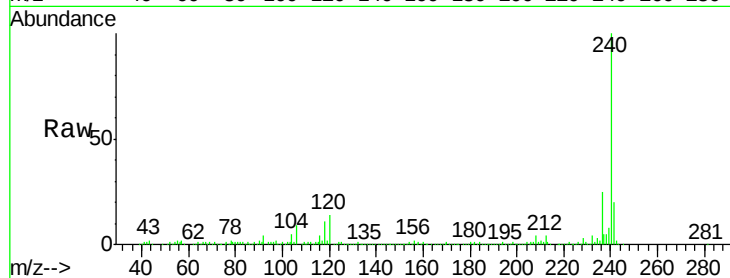
Tgt Ion:240 Resp: 418898

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

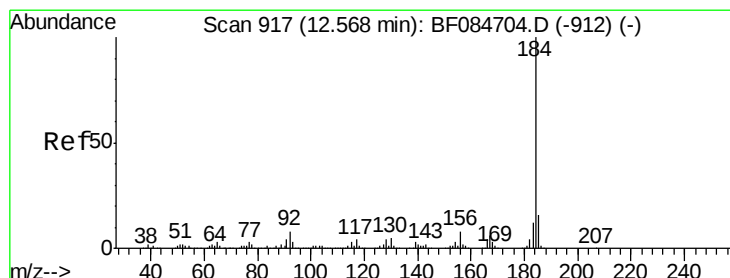
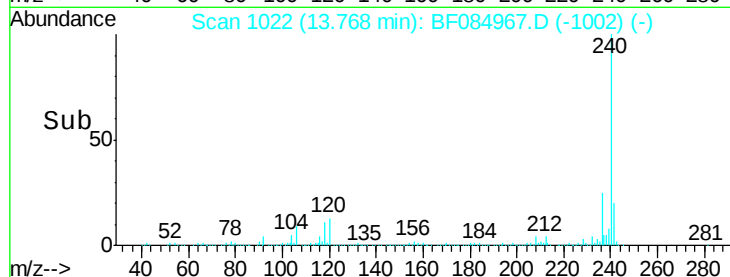
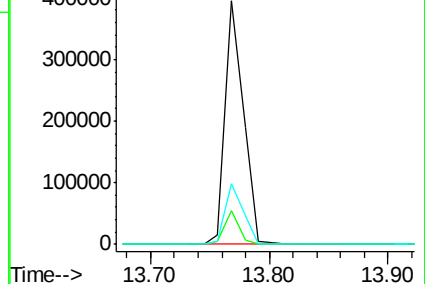
236 24.8 20.6 31.0



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: 7.77 ng

RT: 12.73 min Scan# 931

Delta R.T. 0.18 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

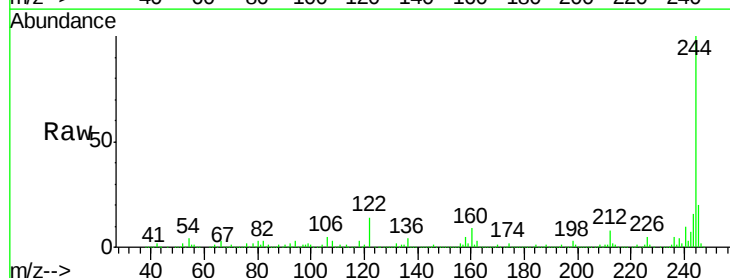
Tgt Ion:184 Resp: 19551

Ion Ratio Lower Upper

184 100

185 21.3 12.2 18.2#

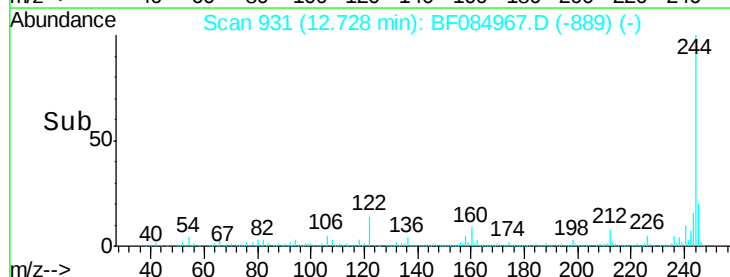
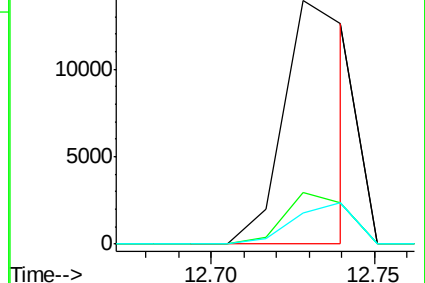
183 12.6 9.8 14.8

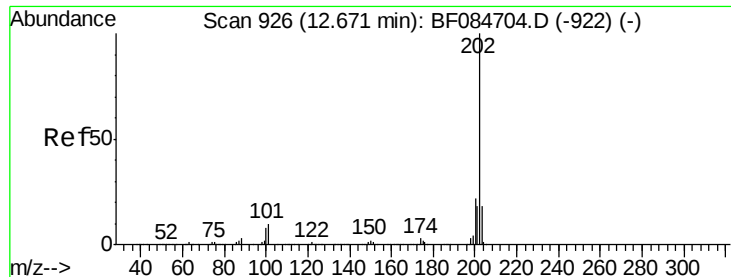


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

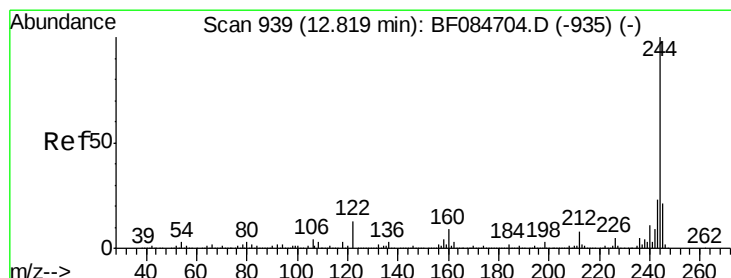
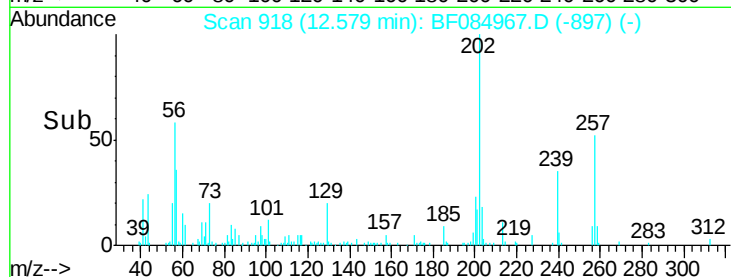
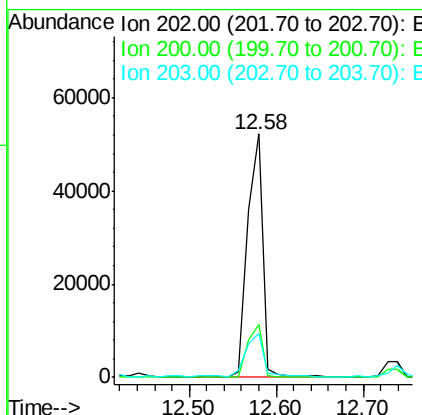
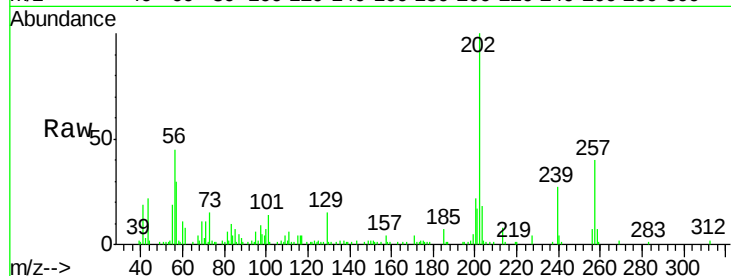




#77
 Pyrene
 Concen: 2.00 ng
 RT: 12.58 min Scan# 918
 Delta R.T. -0.06 min
 Lab File: BF084967.D
 Acq: 9 Feb 2016 22:16

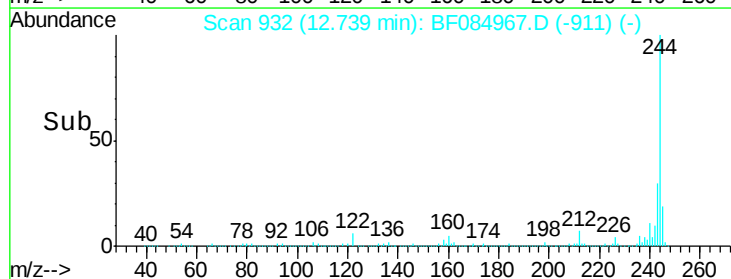
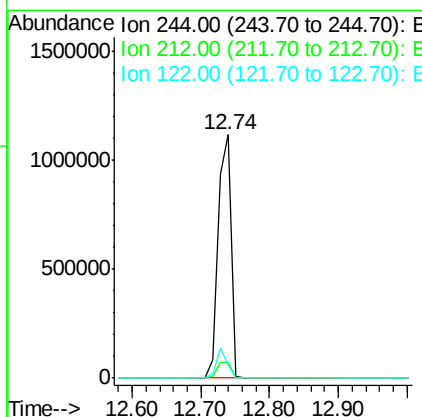
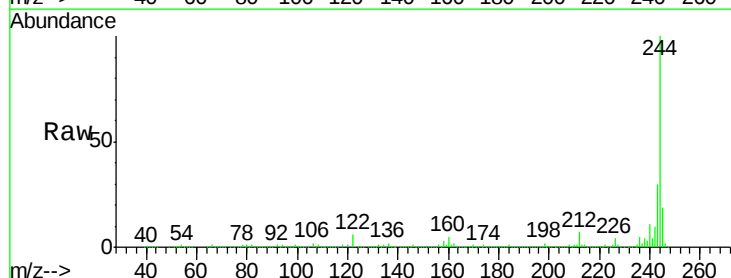
Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(20-22)

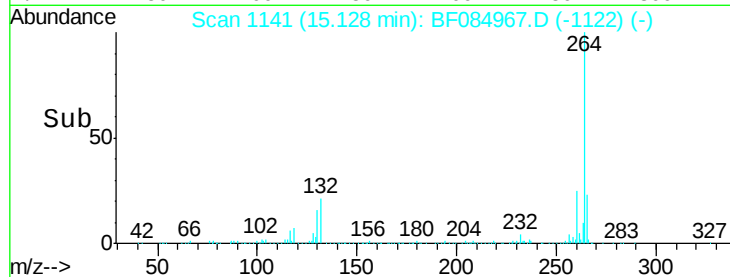
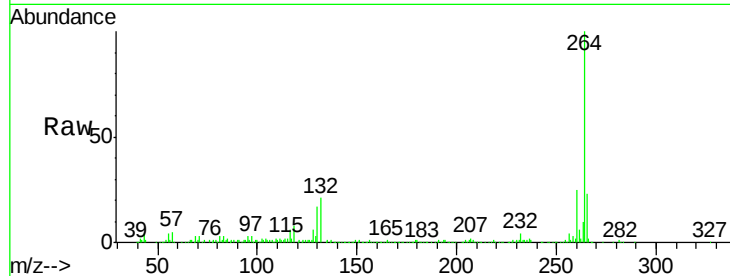
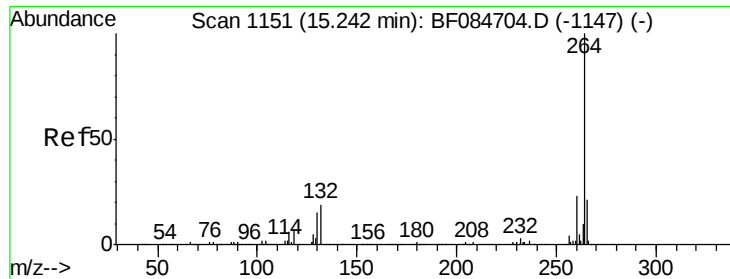
Tgt Ion:202 Resp: 64233
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.2 25.8
 203 18.2 14.3 21.5



#78
 Terphenyl-d14
 Concen: 79.80 ng
 RT: 12.74 min Scan# 932
 Delta R.T. -0.06 min
 Lab File: BF084967.D
 Acq: 9 Feb 2016 22:16

Tgt Ion:244 Resp: 1475128
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 5.5 7.4 11.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.13 min Scan# 1141

Delta R.T. -0.08 min

Lab File: BF084967.D

Acq: 9 Feb 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S4-B010(20-22)

Tgt Ion:264 Resp: 306087

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 23.2 17.8 26.6

