

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084886.D
 Acq On : 6 Feb 2016 3:27
 Operator : SJ/IZ
 Sample : H1329-02 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

Quant Time: Feb 06 04:24:43 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

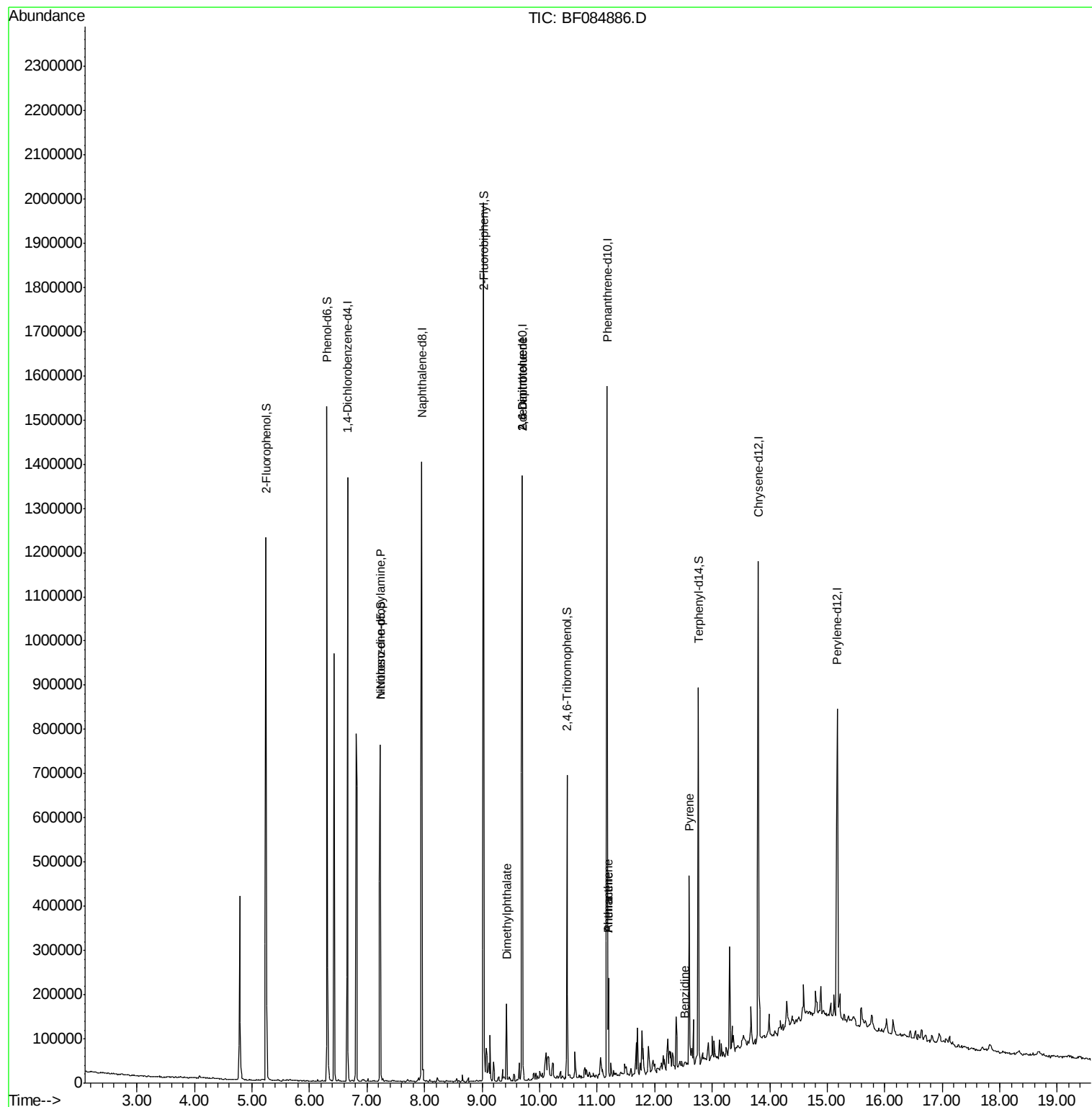
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	188197	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	729867	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	314961	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	532539	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	370546	20.00	ng	-0.03
86) Perylene-d12	15.17	264	330697	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	347380	28.75	ng	-0.03
7) Phenol-d6	6.30	99	464597	31.02	ng	-0.03
23) Nitrobenzene-d5	7.23	82	291785	22.52	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	74336	22.63	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	555059	23.23	ng	-0.03
78) Terphenyl-d14	12.76	244	387689	23.71	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	37973	4.04	ng	# 76
49) Dimethylphthalate	9.42	163	60584	2.53	ng	# 90
50) 2,6-Dinitrotoluene	9.70	165	40456	7.72	ng	# 38
56) 2,4-Dinitrotoluene	9.70	165	40456	6.05	ng	# 22
70) Phenanthrene	11.20	178	80174	2.71	ng	99
71) Anthracene	11.20	178	80174	2.69	ng	98
76) Benzidine	12.52	184	252	6.90	ng	# 66
77) Pyrene	12.60	202	76648	2.70	ng	98

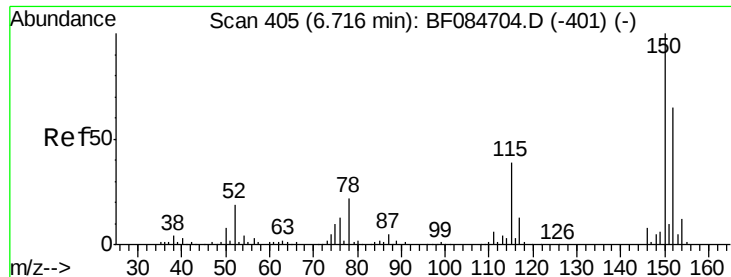
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084886.D

Acq: 6 Feb 2016 3:27

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

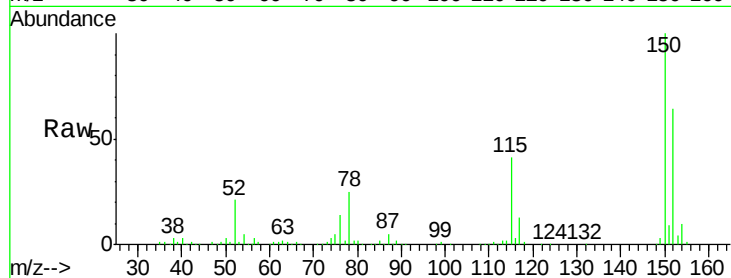
Tgt Ion:152 Resp: 188197

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

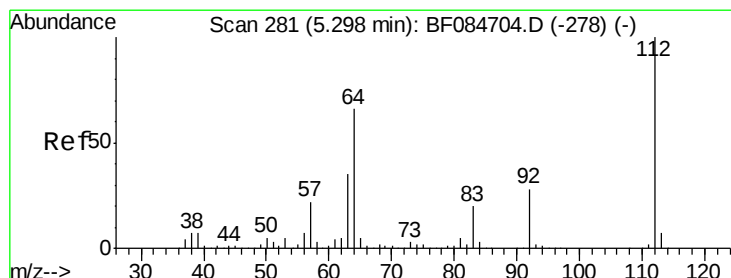
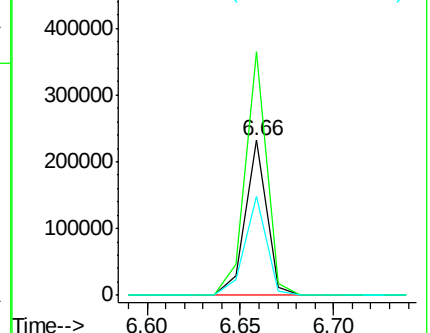
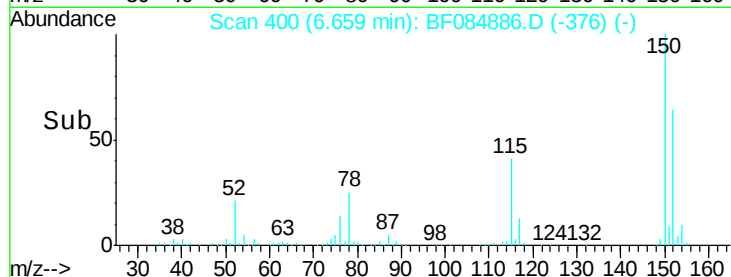
115 64.0 51.4 77.2



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: 28.75 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

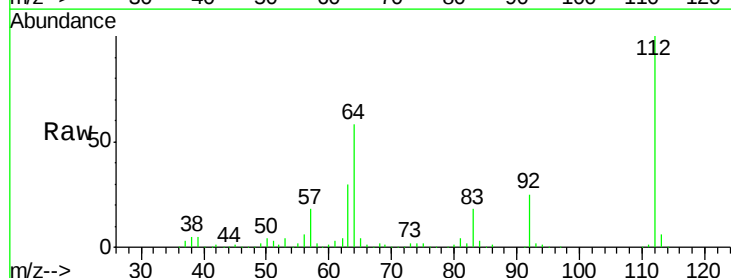
Tgt Ion:112 Resp: 347380

Ion Ratio Lower Upper

112 100

64 58.2 36.6 55.0#

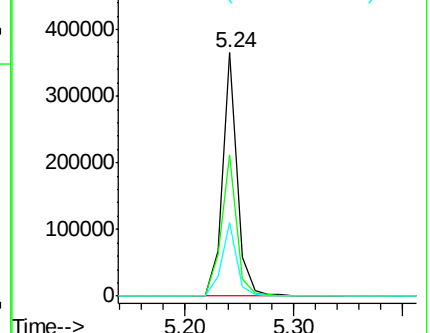
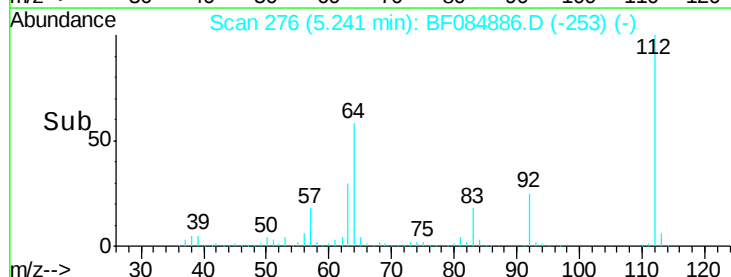
63 29.9 19.4 29.0#



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: 31.02 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

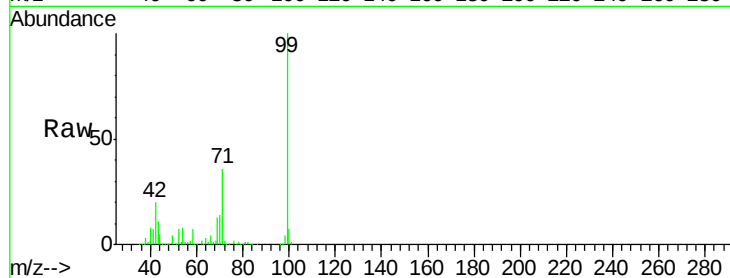
Tgt Ion: 99 Resp: 464597

Ion Ratio Lower Upper

99 100

42 20.0 12.8 19.2#

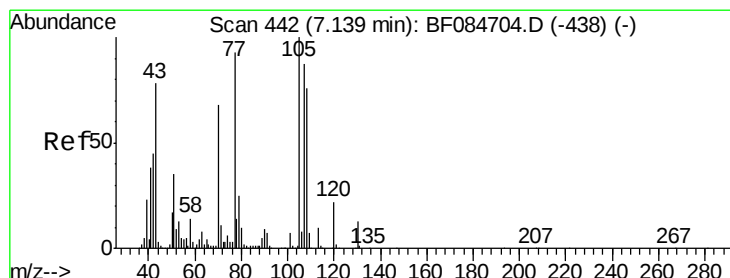
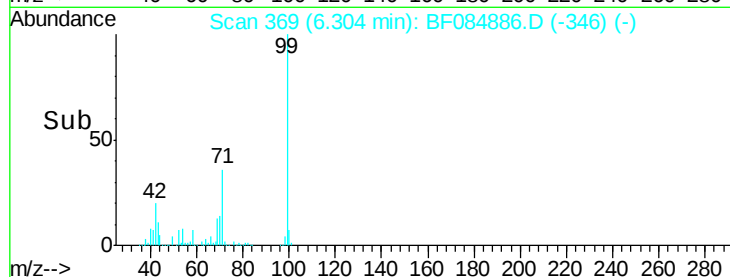
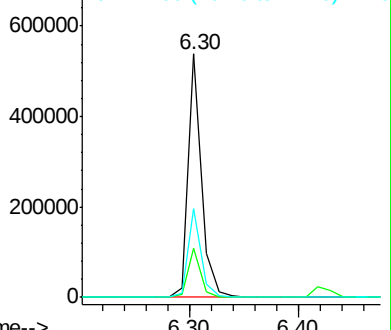
71 36.4 30.9 46.3



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: 4.04 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

Tgt Ion: 70 Resp: 37973

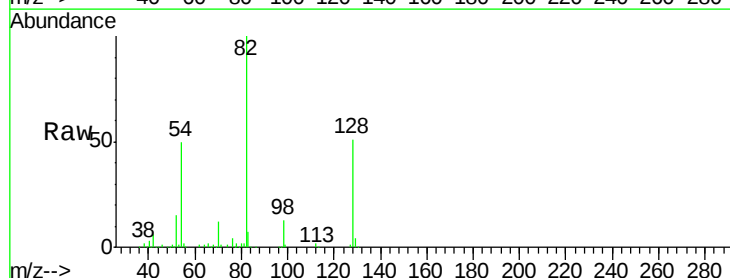
Ion Ratio Lower Upper

70 100

42 44.1 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#

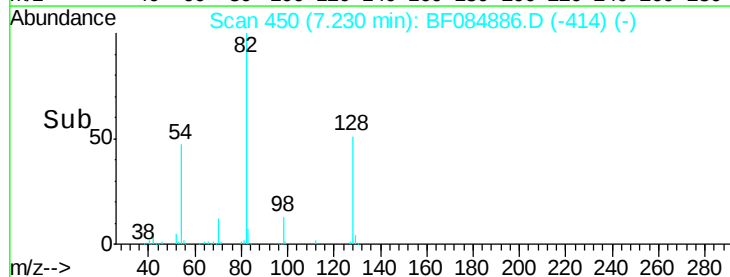
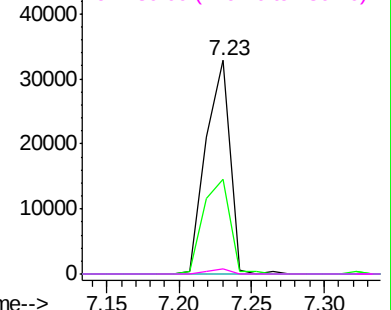


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

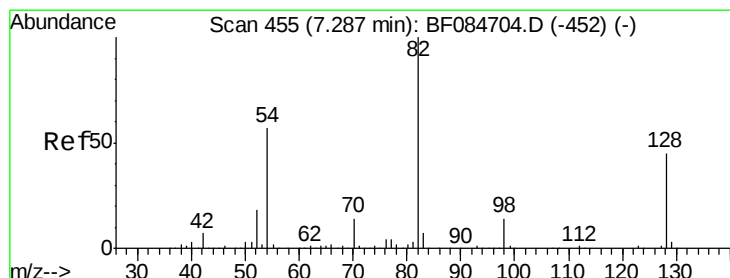
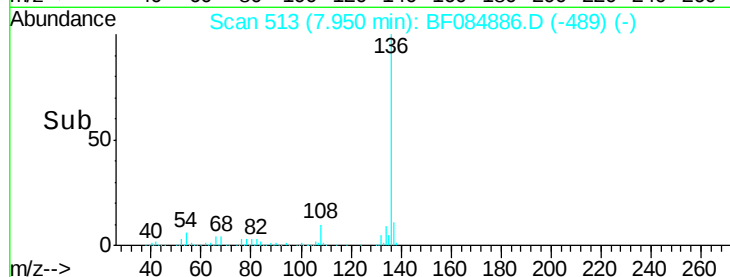
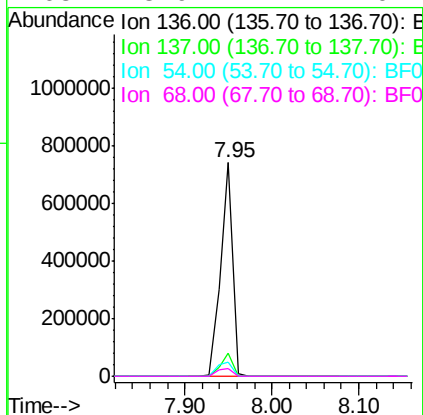
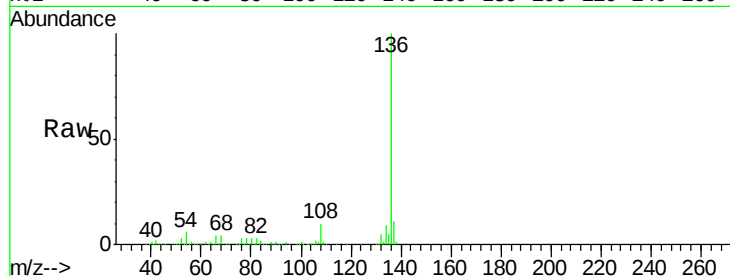




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084886.D
Acq: 6 Feb 2016 3:27

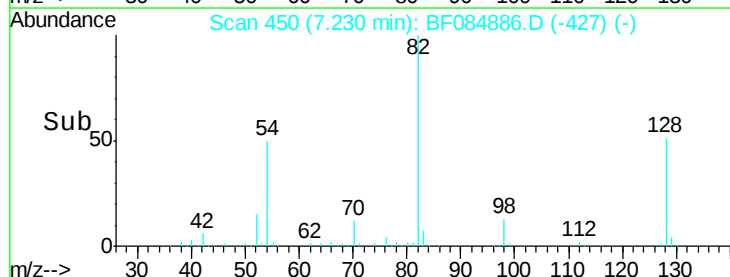
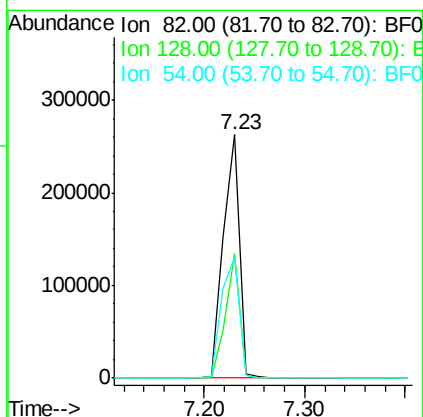
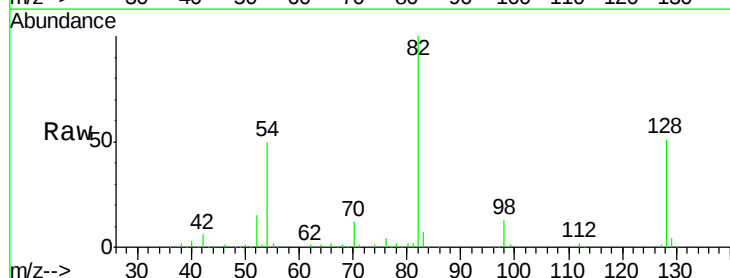
Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

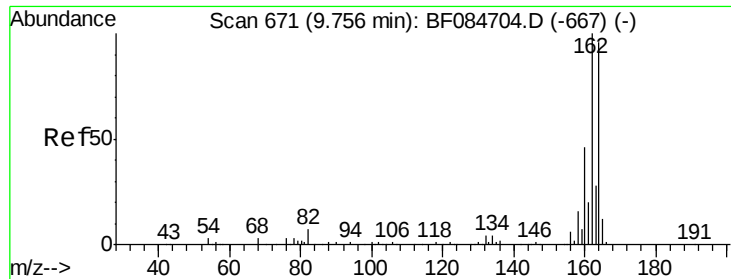
Tgt Ion:	136	Resp:	729867
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	6.4	5.8	8.8
68	3.9	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 22.52 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF084886.D
Acq: 6 Feb 2016 3:27

Tgt Ion:	82	Resp:	291785
Ion	Ratio	Lower	Upper
82	100		
128	51.3	34.6	51.8
54	49.7	38.4	57.6





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

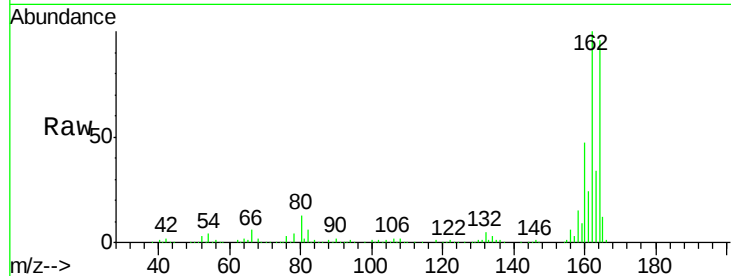
Tgt Ion:164 Resp: 314961

Ion Ratio Lower Upper

164 100

162 104.1 85.1 127.7

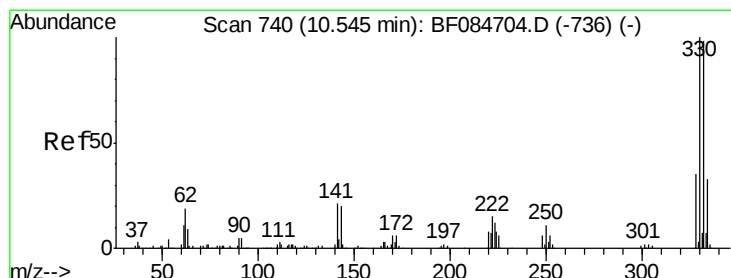
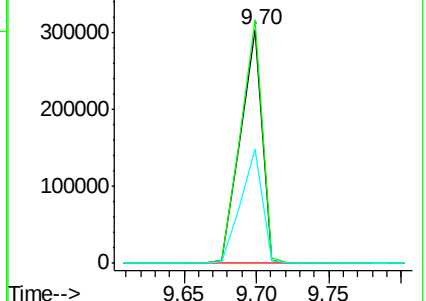
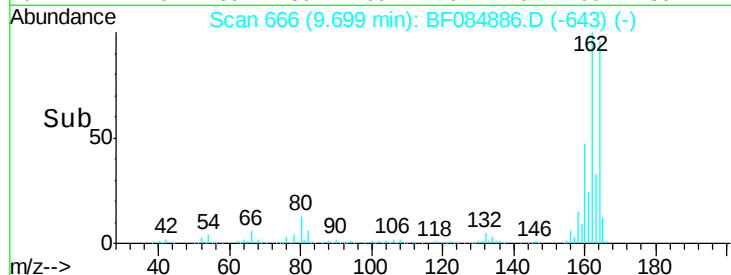
160 48.7 37.5 56.3



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: 22.63 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

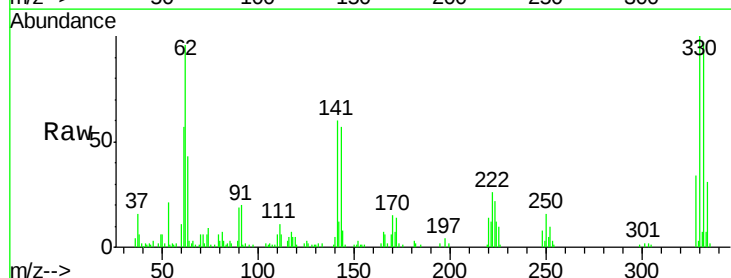
Tgt Ion:330 Resp: 74336

Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

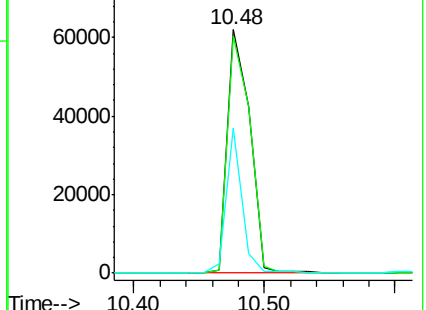
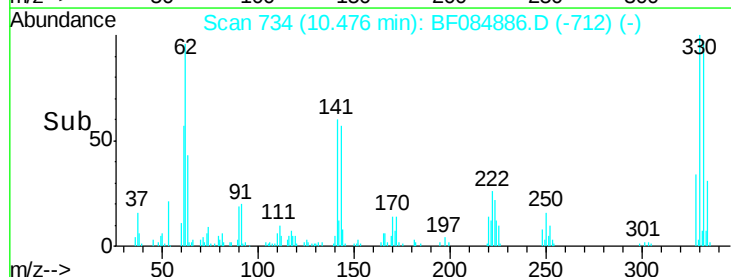
141 41.8 27.8 41.6#

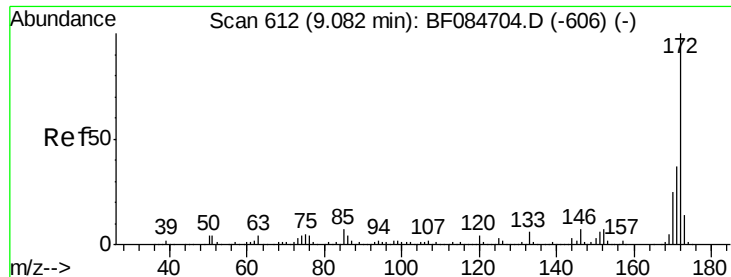


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

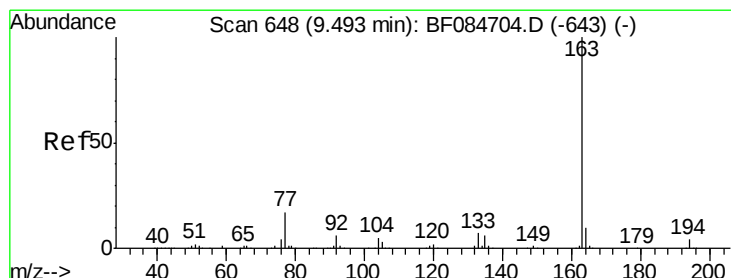
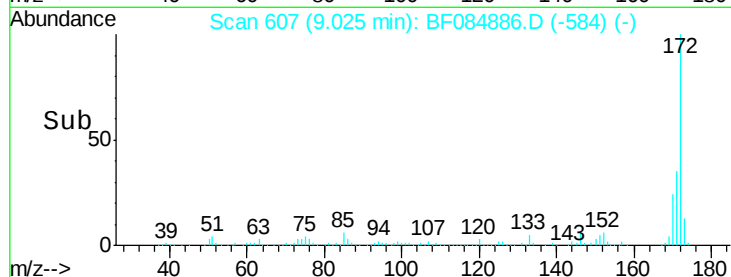
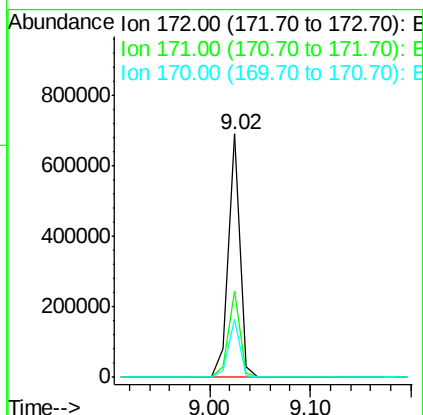
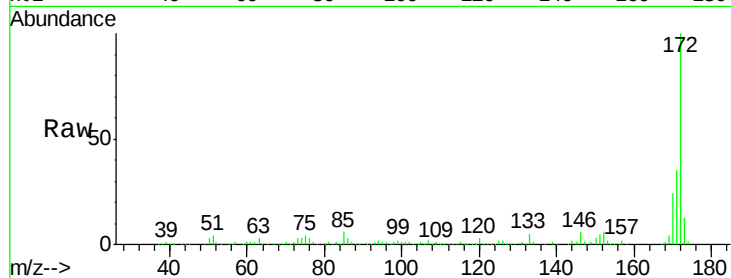




#44
2-Fluorobiphenyl
Concen: 23.23 ng
RT: 9.02 min Scan# 607
Delta R.T. -0.03 min
Lab File: BF084886.D
Acq: 6 Feb 2016 3:27

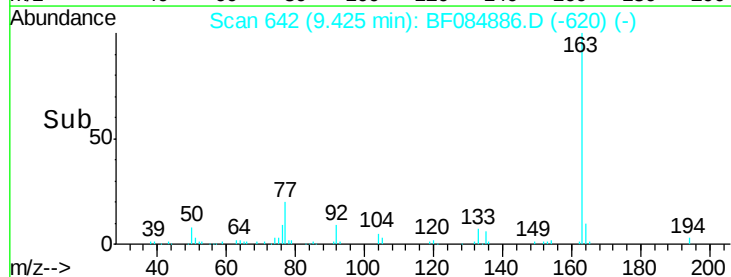
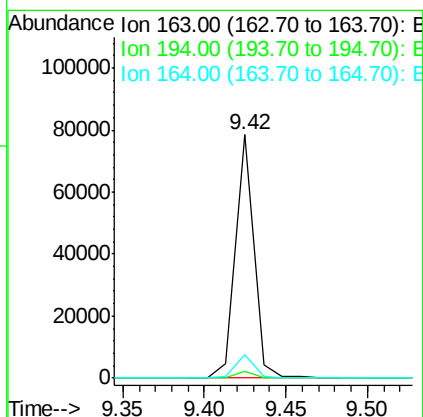
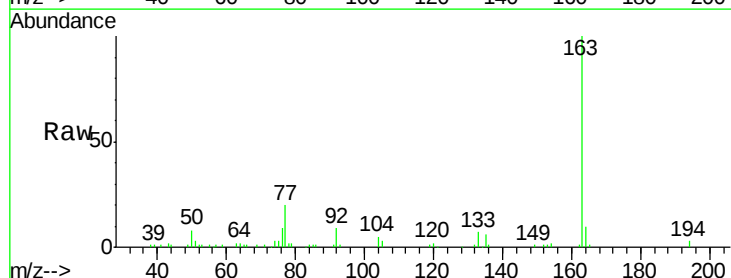
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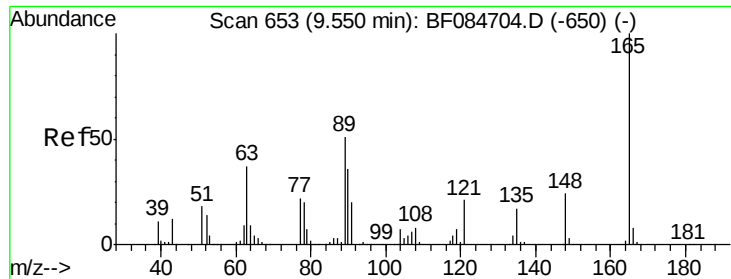
Tgt Ion:172 Resp: 555059
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 23.7 18.6 27.8



#49
Dimethylphthalate
Concen: 2.53 ng
RT: 9.42 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF084886.D
Acq: 6 Feb 2016 3:27

Tgt Ion:163 Resp: 60584
Ion Ratio Lower Upper
163 100
194 3.0 8.0 12.0#
164 9.7 8.0 12.0

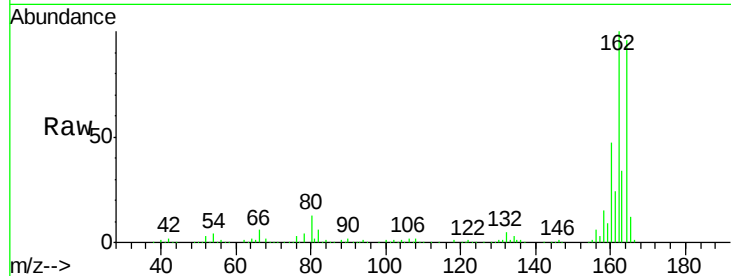




#50
 2,6-Dinitrotoluene
 Concen: 7.72 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084886.D
 Acq: 6 Feb 2016 3:27

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

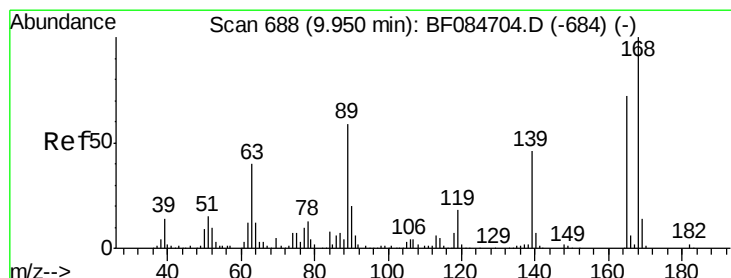
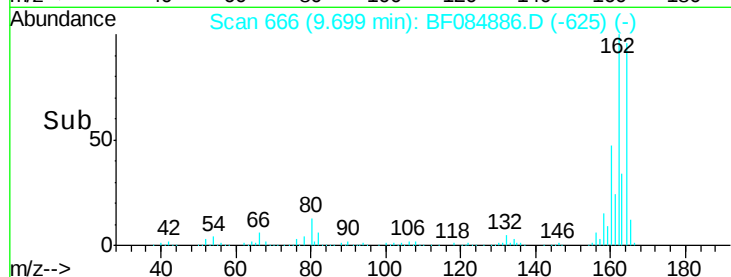
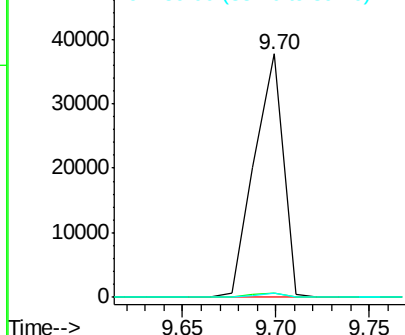
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	28.8	43.2#
89	1.8	35.1	52.7#



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: 6.05 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084886.D
 Acq: 6 Feb 2016 3:27

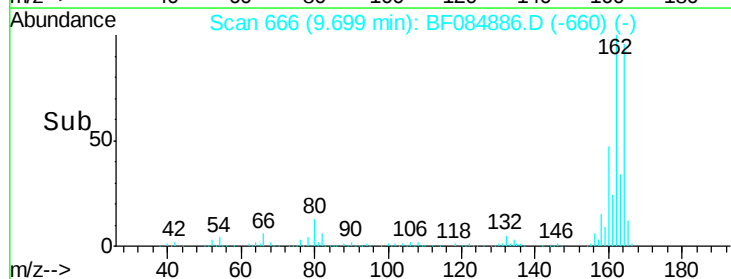
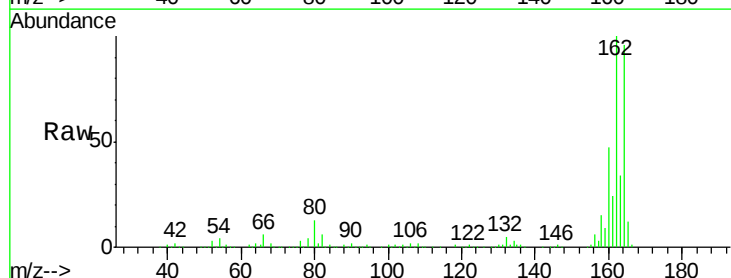
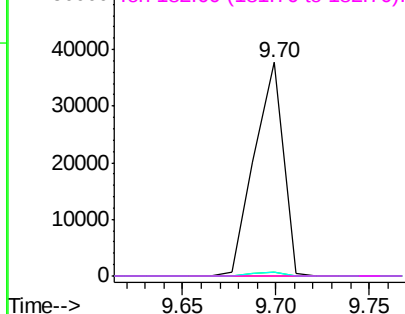
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.7	55.1#
89	1.8	61.9	92.9#
182	0.0	2.0	3.0#

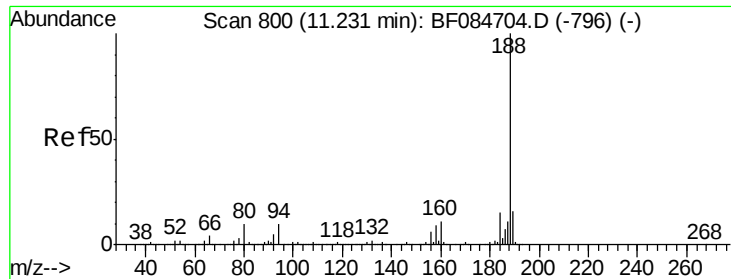
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF084886.D

Acq: 6 Feb 2016 3:27

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

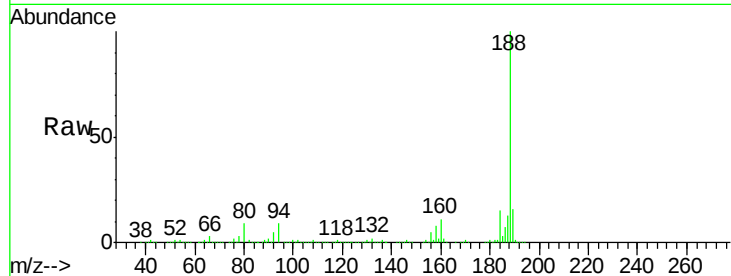
Tgt Ion:188 Resp: 532539

Ion Ratio Lower Upper

188 100

94 8.6 9.0 13.4#

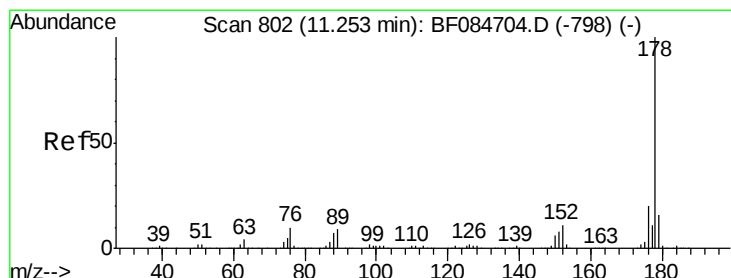
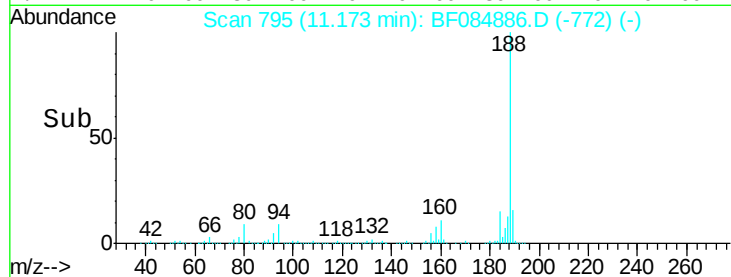
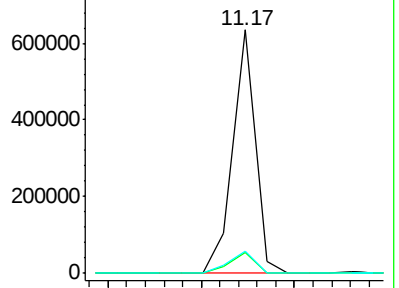
80 8.9 9.6 14.4#



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



#70

Phenanthrene

Concen: 2.71 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

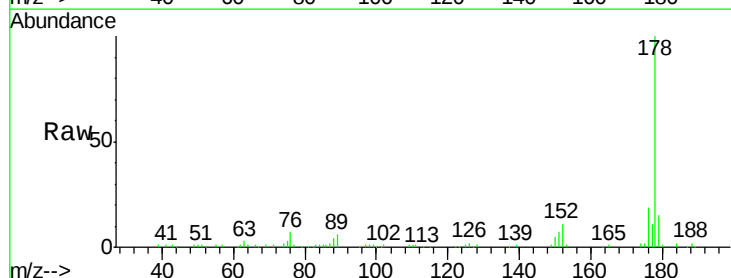
Tgt Ion:178 Resp: 80174

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

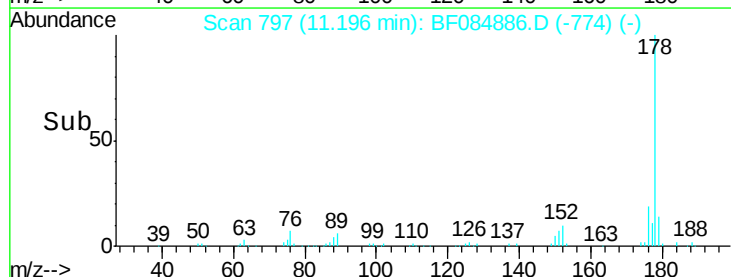
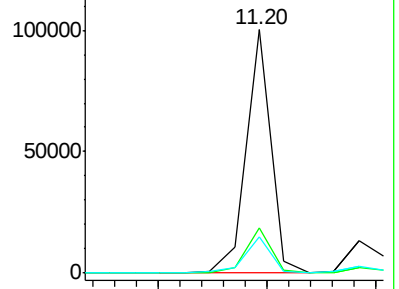
179 14.8 12.0 18.0

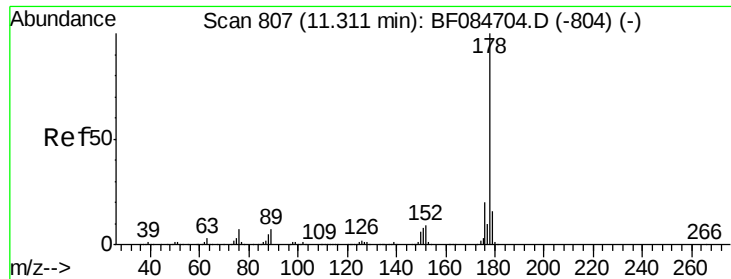


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

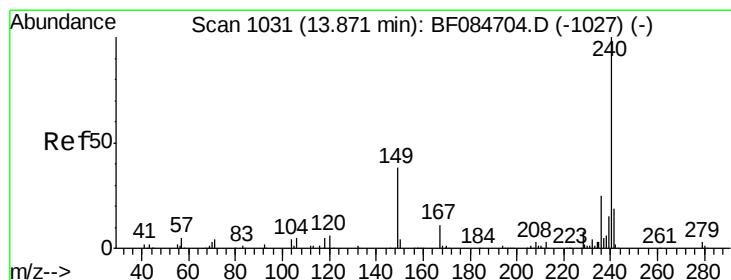
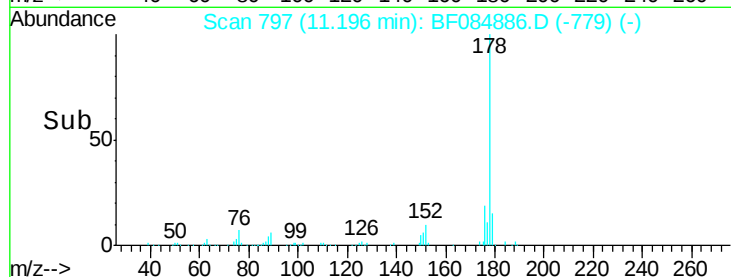
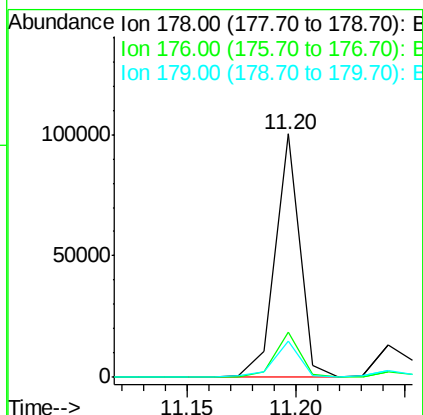
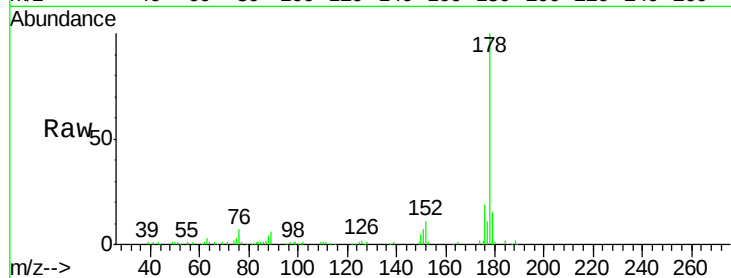




#71
 Anthracene
 Concen: 2.69 ng
 RT: 11.20 min Scan# 797
 Delta R.T. -0.09 min
 Lab File: BF084886.D
 Acq: 6 Feb 2016 3:27

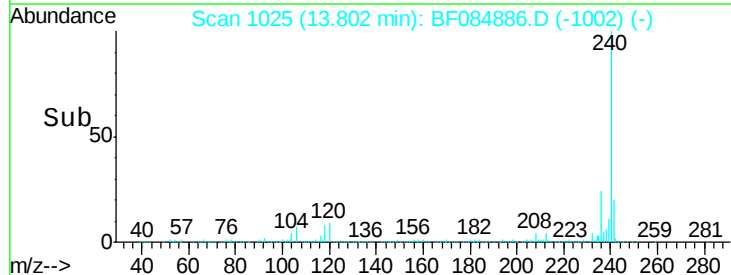
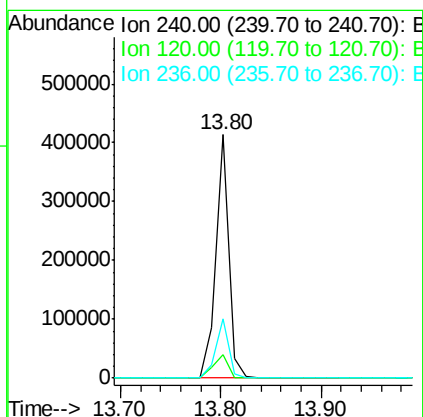
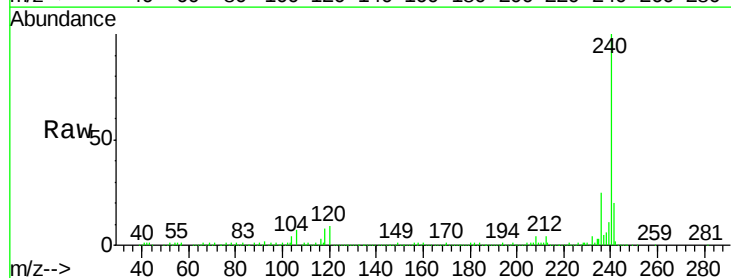
Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

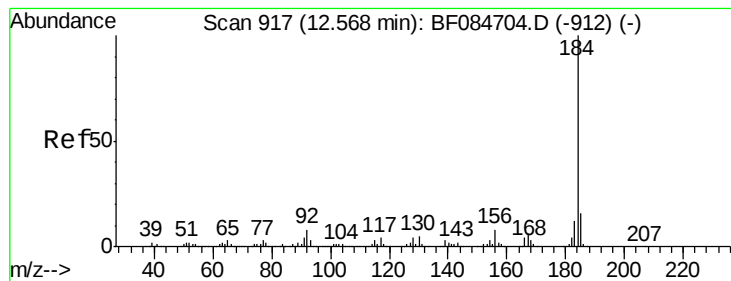
Tgt Ion:178 Resp: 80174
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 14.8 12.5 18.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF084886.D
 Acq: 6 Feb 2016 3:27

Tgt Ion:240 Resp: 370546
 Ion Ratio Lower Upper
 240 100
 120 9.4 9.5 14.3#
 236 24.5 20.6 31.0





#76

Benzidine

Concen: 6.90 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

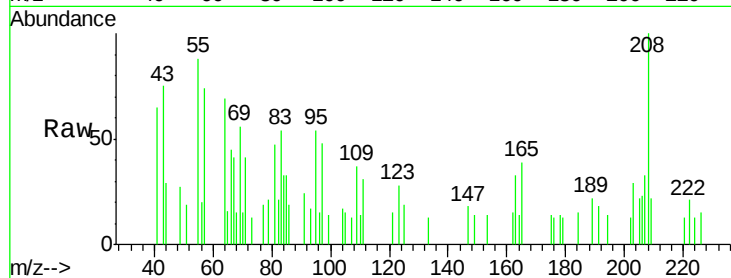
Tgt Ion:184 Resp: 252

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

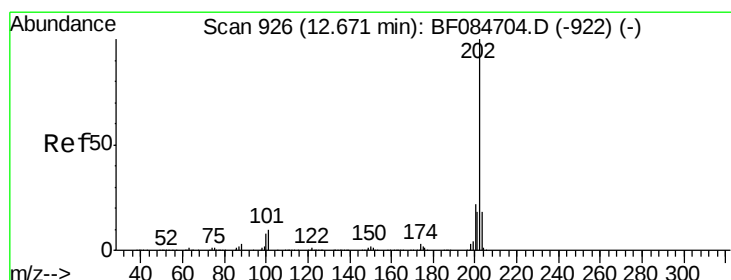
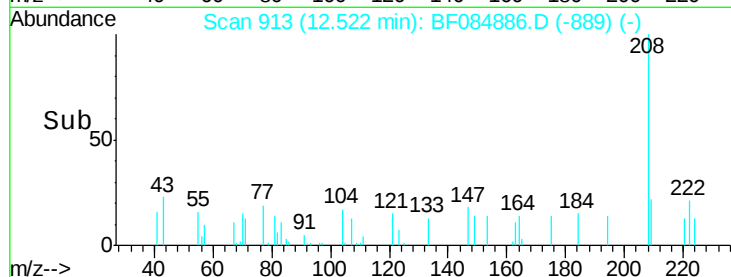
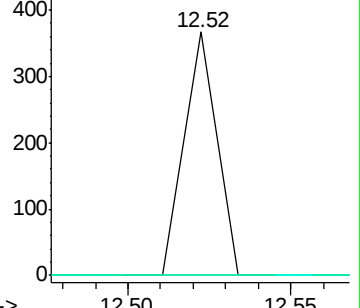
183 0.0 9.8 14.8#



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: 2.70 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

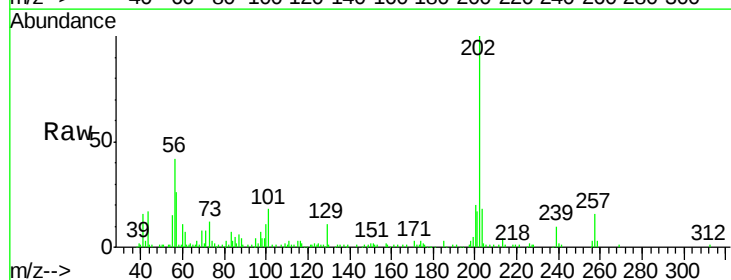
Tgt Ion:202 Resp: 76648

Ion Ratio Lower Upper

202 100

200 20.3 17.2 25.8

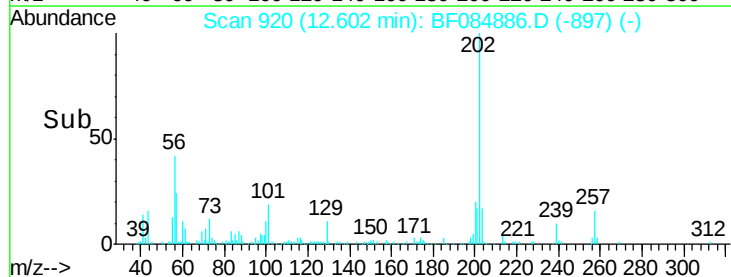
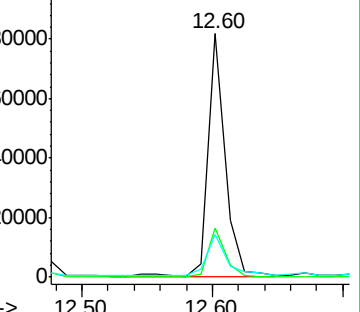
203 17.8 14.3 21.5

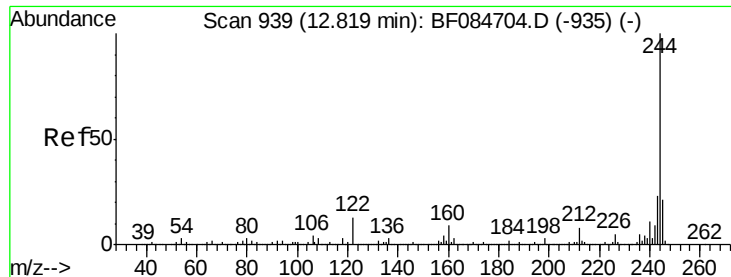


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 23.71 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

Instrument :

BNA_F

ClientSampleId :

S4-B007(5-7)

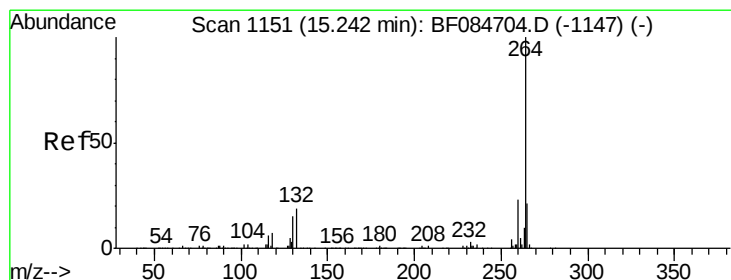
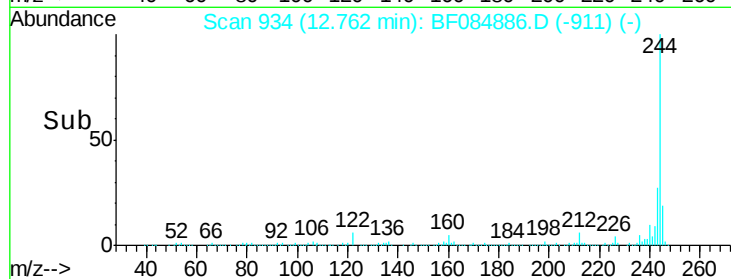
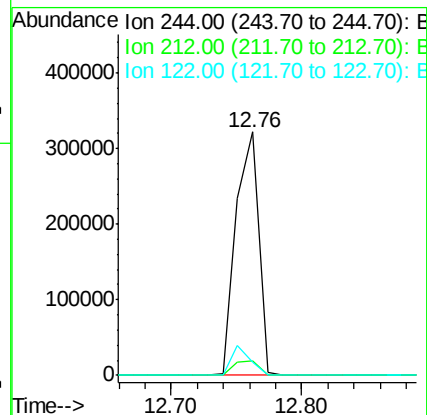
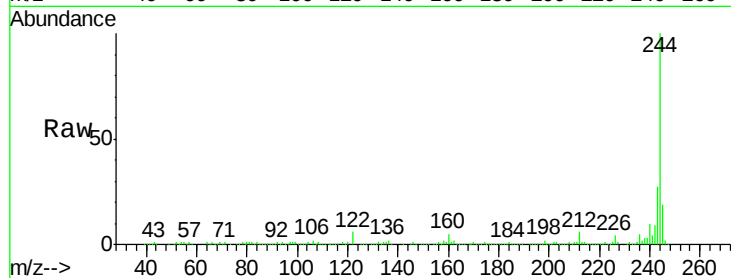
Tgt Ion:244 Resp: 387689

Ion Ratio Lower Upper

244 100

212 5.8 5.7 8.5

122 5.5 7.4 11.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084886.D

Acq: 6 Feb 2016 3:27

Tgt Ion:264 Resp: 330697

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.2

265 21.7 17.8 26.6

