

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084887.D
 Acq On : 6 Feb 2016 3:55
 Operator : SJ/IZ
 Sample : H1329-03 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

Quant Time: Feb 06 04:24:57 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

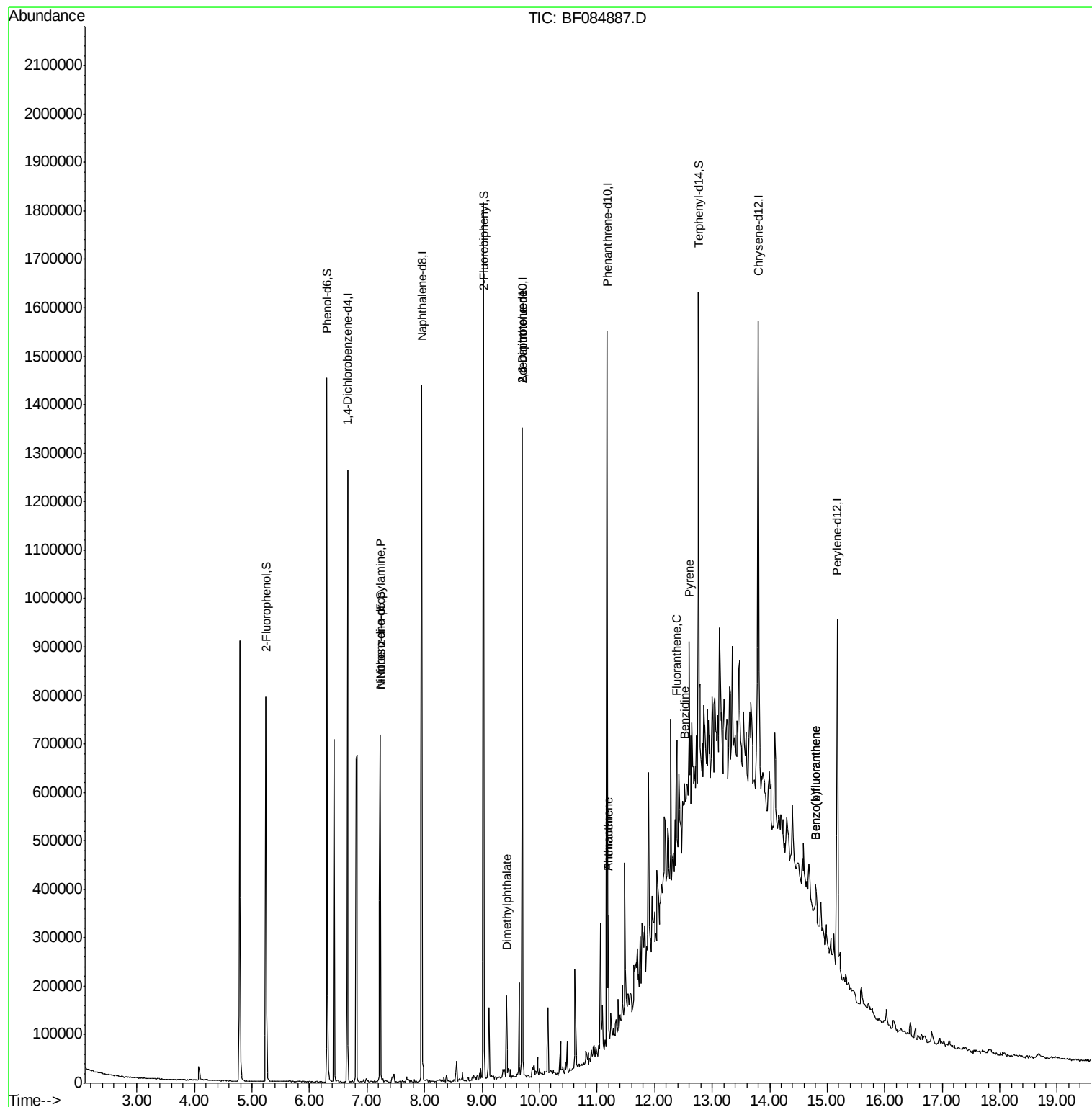
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	173296	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	700981	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	291918	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	501353	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	314545	20.00	ng	-0.03
86) Perylene-d12	15.17	264	317977	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	218045	19.60	ng	-0.03
7) Phenol-d6	6.30	99	425146	30.82	ng	-0.03
23) Nitrobenzene-d5	7.23	82	261667	21.03	ng	-0.03
41) 2,4,6-Tribromophenol	10.49	330	4062	1.33	ng	-0.03
44) 2-Fluorobiphenyl	9.02	172	501443	22.57	ng	-0.03
78) Terphenyl-d14	12.76	244	329146	23.71	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	34796	4.02	ng	# 78
49) Dimethylphthalate	9.42	163	53553	2.41	ng	# 90
50) 2,6-Dinitrotoluene	9.70	165	38040	7.83	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	38040	6.14	ng	# 21
70) Phenanthrene	11.20	178	89516	3.22	ng	98
71) Anthracene	11.20	178	89516	3.19	ng	99
74) Fluoranthene	12.39	202	84347	3.00	ng	93
76) Benzidine	12.52	184	4833	7.18	ng	# 1
77) Pyrene	12.60	202	75539	3.14	ng	97
87) Benzo(b)fluoranthene	14.80	252	43198	2.02	ng	# 83
88) Benzo(k)fluoranthene	14.80	252	43198	2.45	ng	# 86

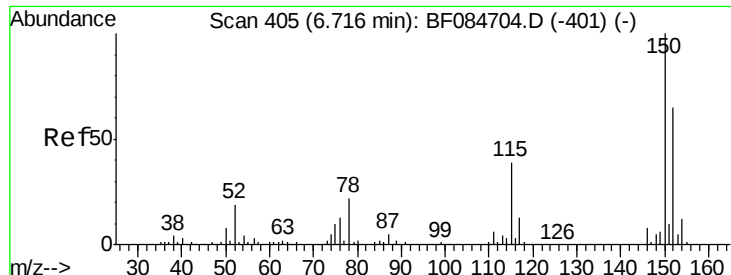
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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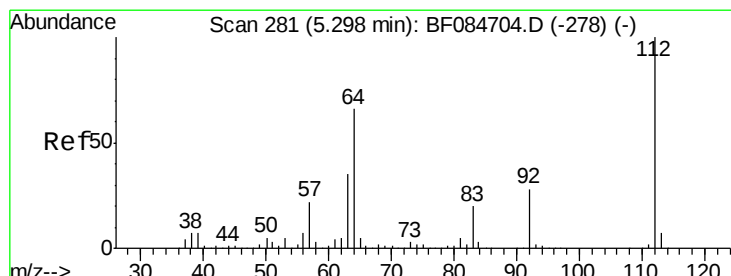
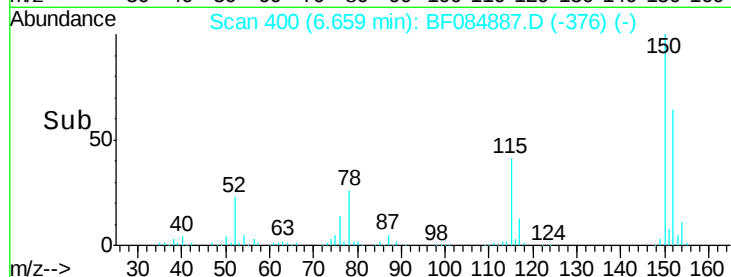
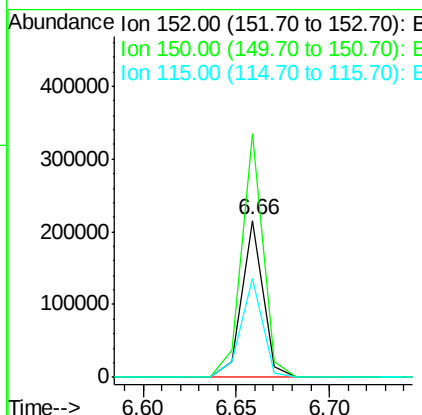
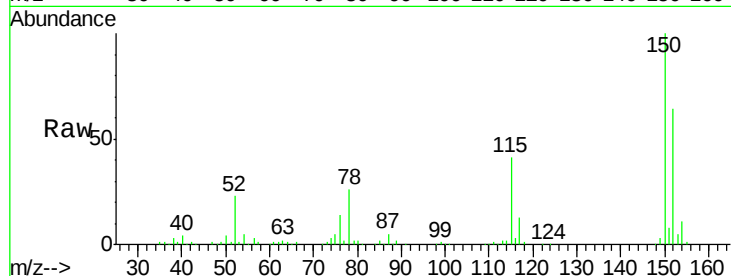




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.66 min Scan# 400
 Delta R.T. -0.02 min
 Lab File: BF084887.D
 Acq: 6 Feb 2016 3:55

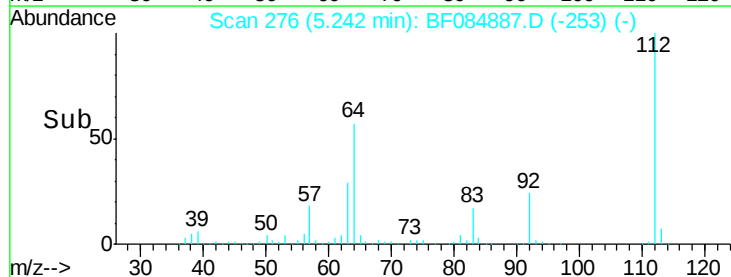
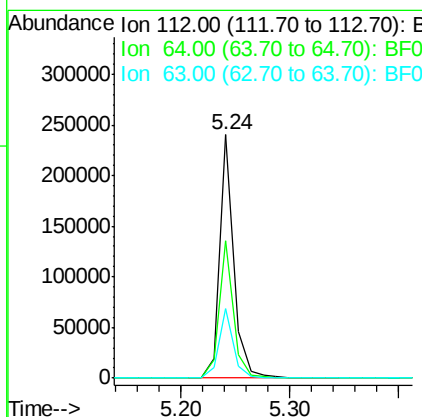
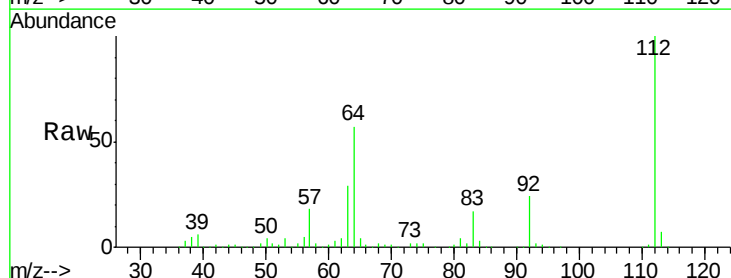
Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

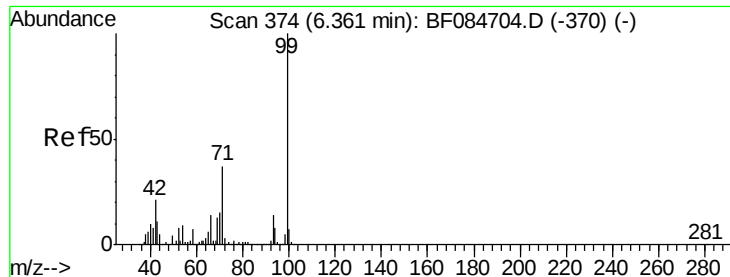
Tgt Ion:152 Resp: 173296
 Ion Ratio Lower Upper
 152 100
 150 155.5 123.0 184.4
 115 63.4 51.4 77.2



#5
 2-Fluorophenol
 Concen: 19.60 ng
 RT: 5.24 min Scan# 276
 Delta R.T. -0.03 min
 Lab File: BF084887.D
 Acq: 6 Feb 2016 3:55

Tgt Ion:112 Resp: 218045
 Ion Ratio Lower Upper
 112 100
 64 56.7 36.6 55.0#
 63 28.6 19.4 29.0





#7

Phenol-d6

Concen: 30.82 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084887.D

Acq: 6 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

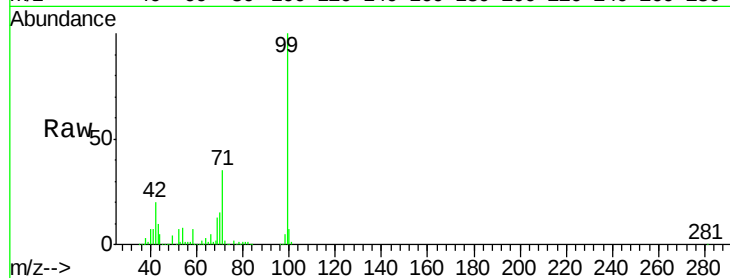
Tgt Ion: 99 Resp: 425146

Ion Ratio Lower Upper

99 100

42 19.9 12.8 19.2#

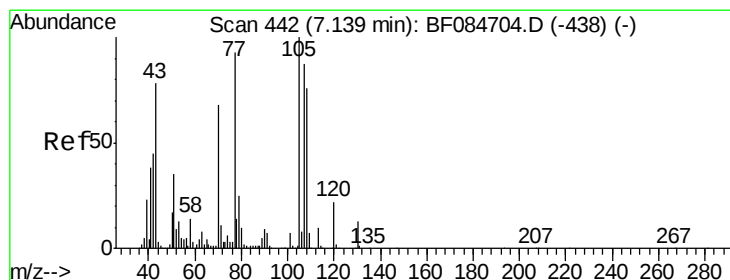
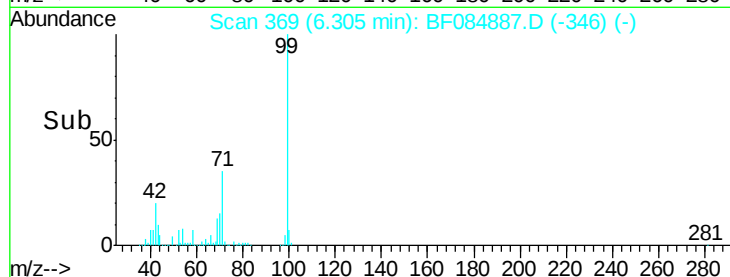
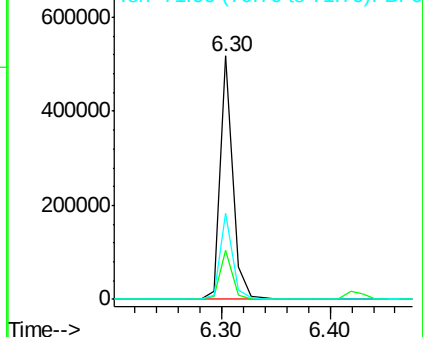
71 35.2 30.9 46.3



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: 4.02 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084887.D

Acq: 6 Feb 2016 3:55

Tgt Ion: 70 Resp: 34796

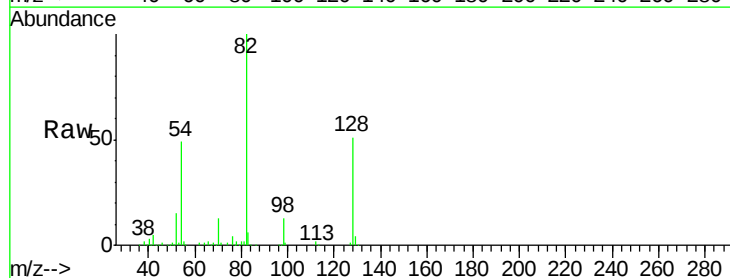
Ion Ratio Lower Upper

70 100

42 41.7 33.3 49.9

101 0.0 9.3 13.9#

130 2.2 23.4 35.0#

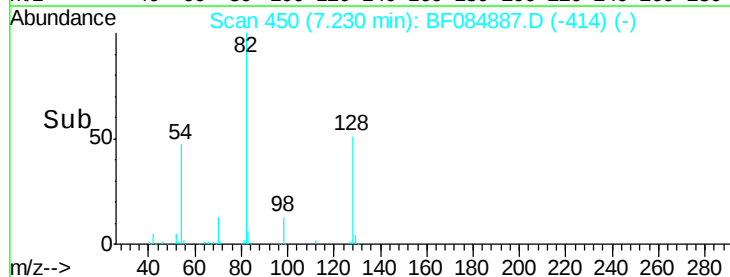
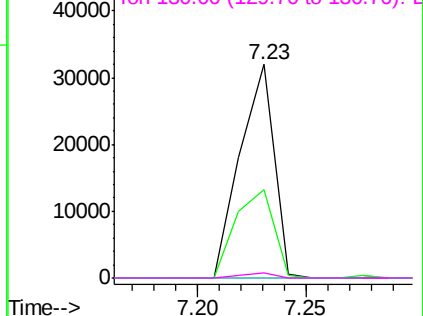


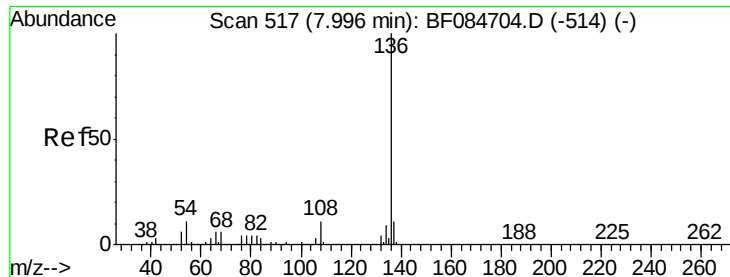
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

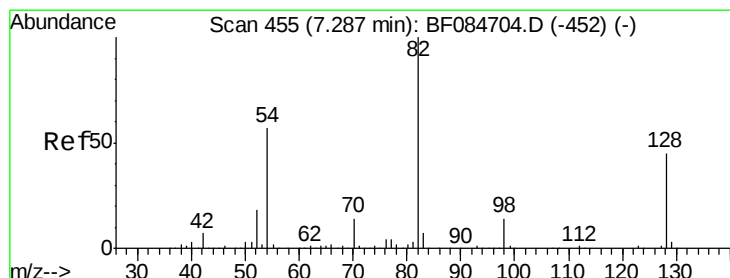
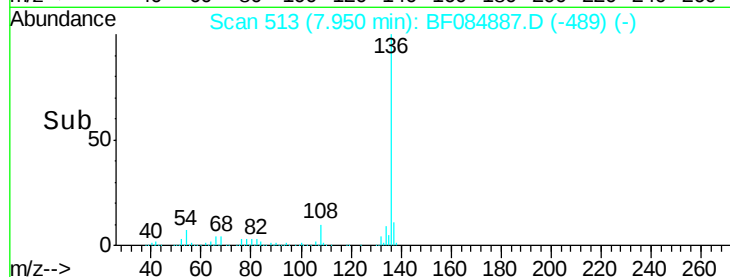
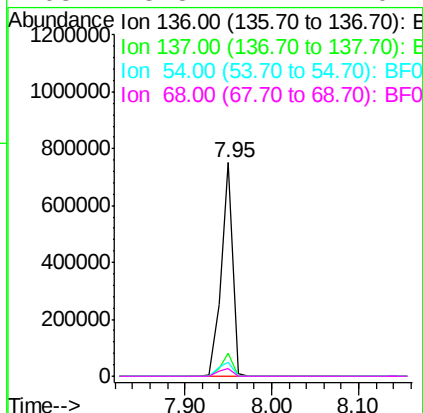
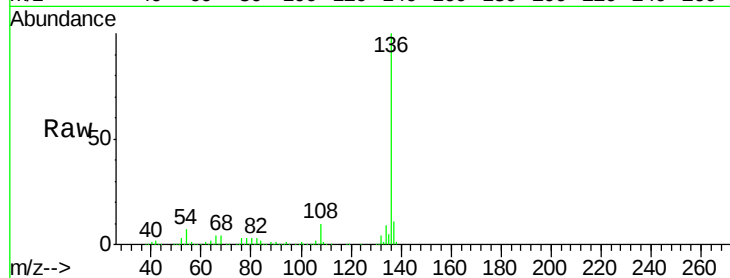




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084887.D
Acq: 6 Feb 2016 3:55

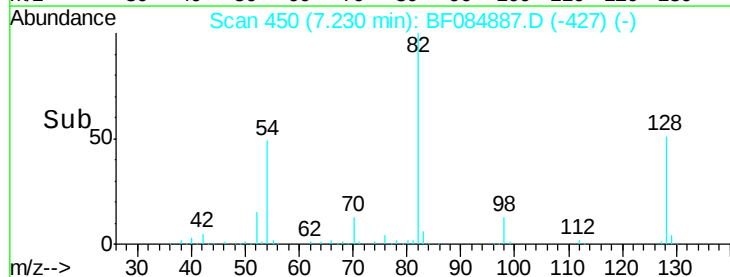
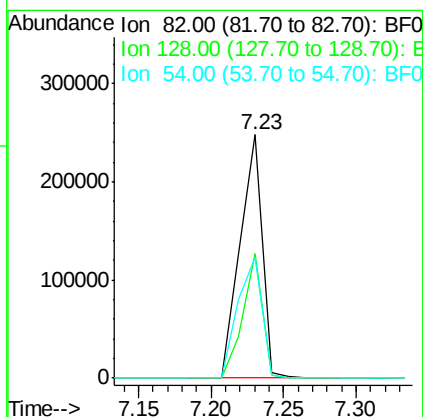
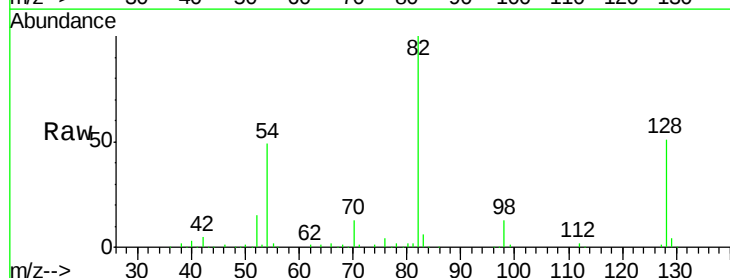
Instrument :
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S4-B007(10-12)

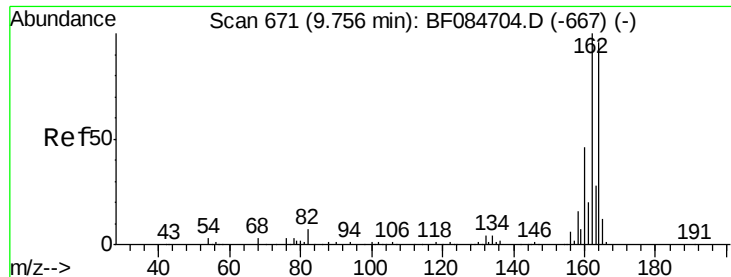
Tgt Ion:	136	Resp:	700981
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	6.7	5.8	8.8
68	3.8	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 21.03 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF084887.D
Acq: 6 Feb 2016 3:55

Tgt Ion:	82	Resp:	261667
Ion	Ratio	Lower	Upper
82	100		
128	51.0	34.6	51.8
54	49.4	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: BF084887.D

Acq: 6 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

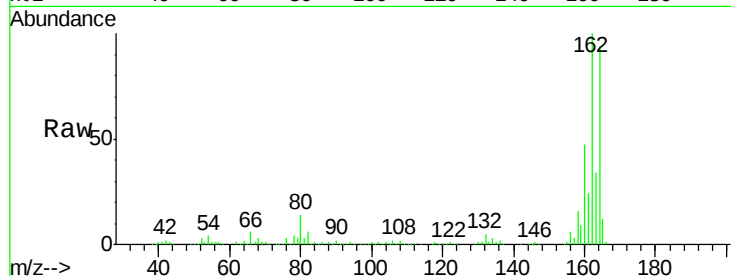
Tgt Ion:164 Resp: 291918

Ion Ratio Lower Upper

164 100

162 105.8 85.1 127.7

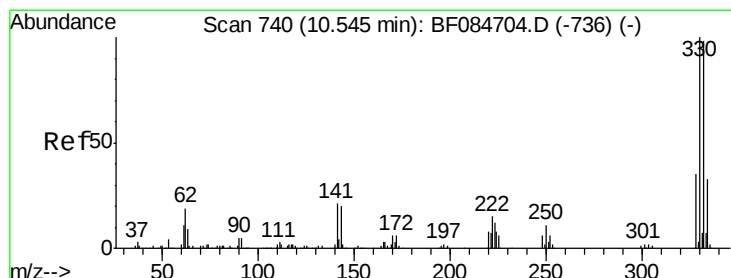
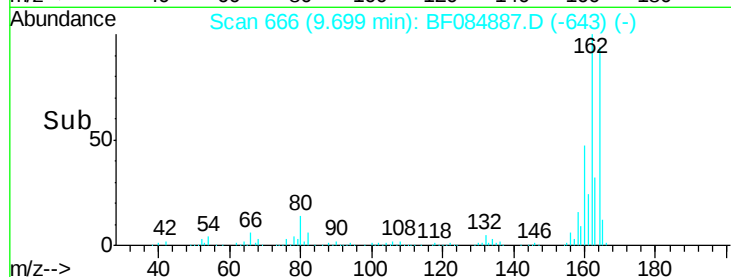
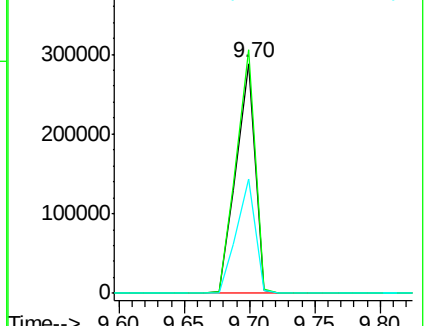
160 49.6 37.5 56.3



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: 1.33 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF084887.D

Acq: 6 Feb 2016 3:55

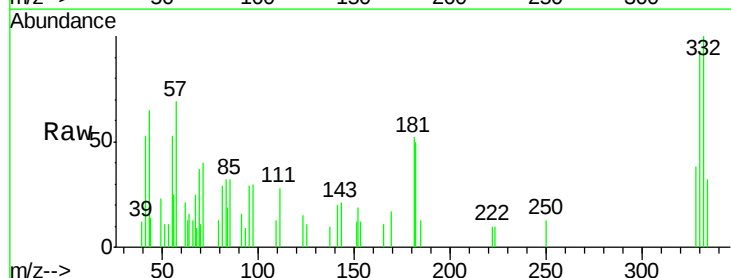
Tgt Ion:330 Resp: 4062

Ion Ratio Lower Upper

330 100

332 100.8 76.6 114.8

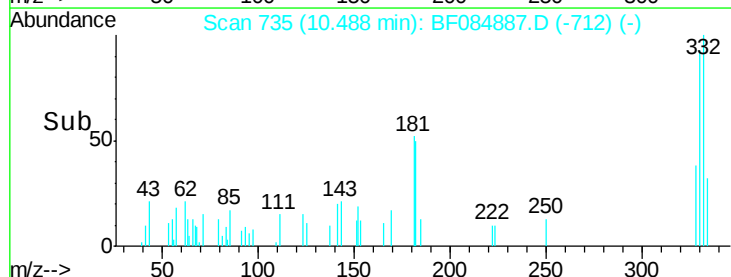
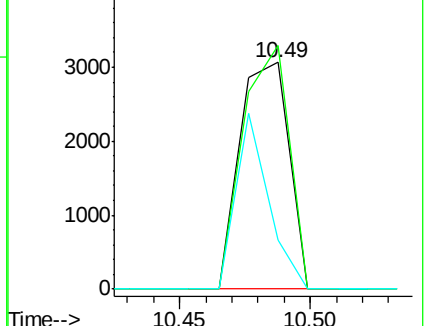
141 51.2 27.8 41.6#

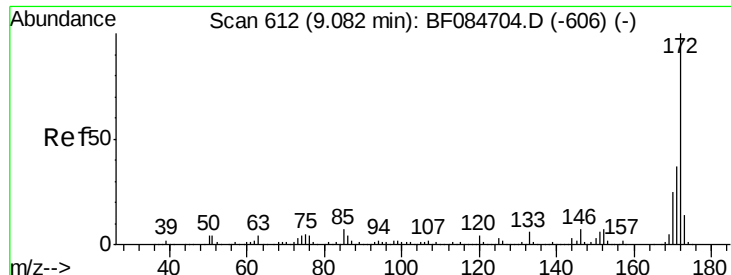


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

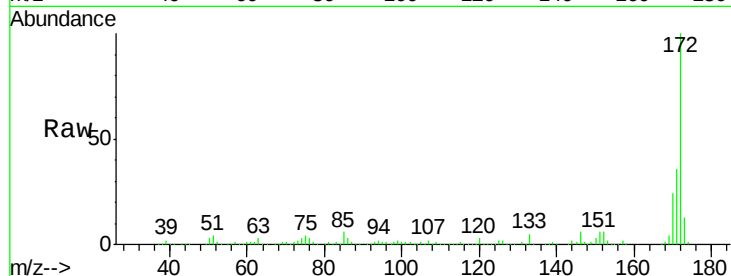




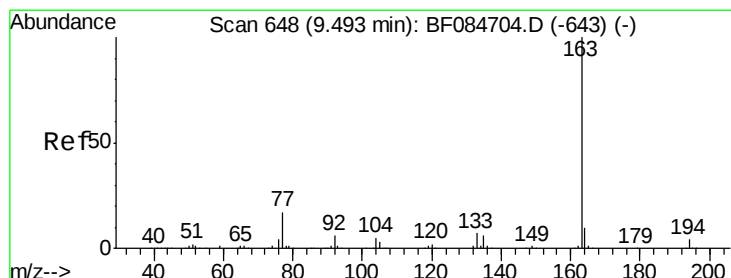
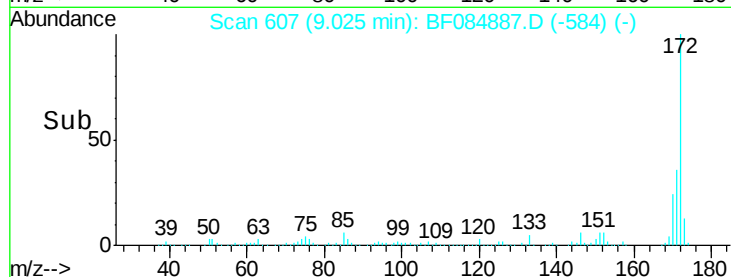
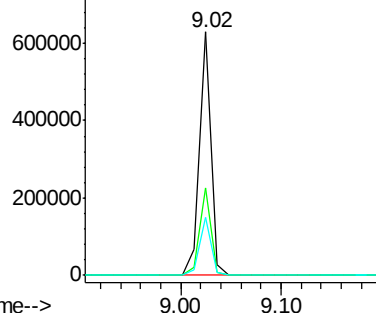
#44
 2-Fluorobiphenyl
 Concen: 22.57 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084887.D
 Acq: 6 Feb 2016 3:55

Instrument :
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 ClientSampleId :
 S4-B007(10-12)

Tgt Ion:172 Resp: 501443
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.9 43.3
 170 23.8 18.6 27.8

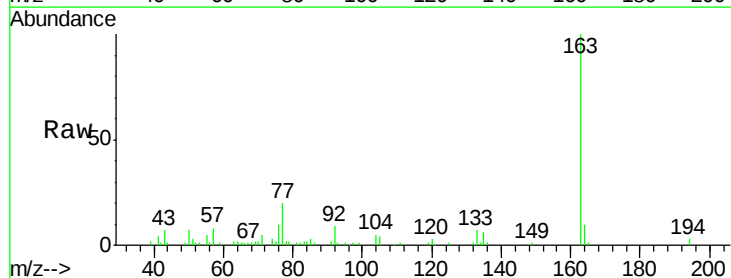


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

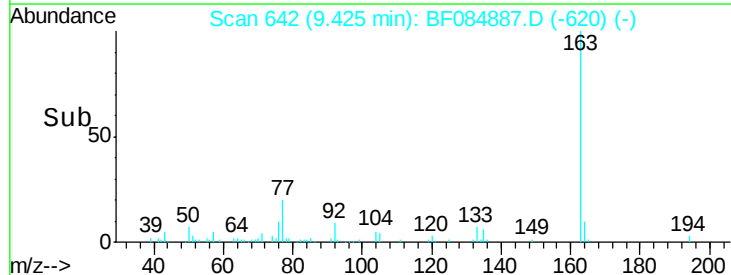
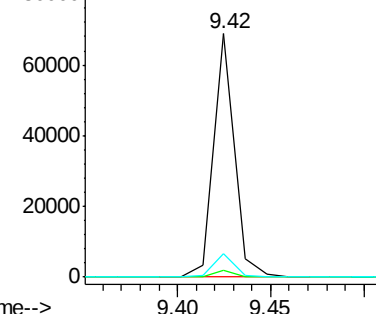


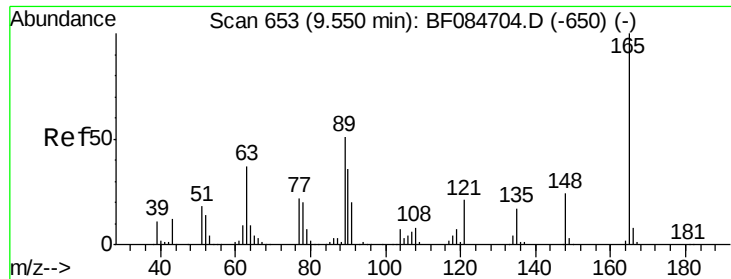
#49
 Dimethylphthalate
 Concen: 2.41 ng
 RT: 9.42 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF084887.D
 Acq: 6 Feb 2016 3:55

Tgt Ion:163 Resp: 53553
 Ion Ratio Lower Upper
 163 100
 194 2.8 8.0 12.0#
 164 9.8 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

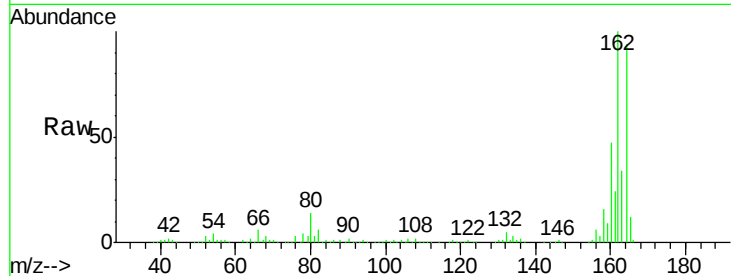




#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.70 min Scan# 666
 Delta R.T. 0.17 min
 Lab File: BF084887.D
 Acq: 6 Feb 2016 3:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

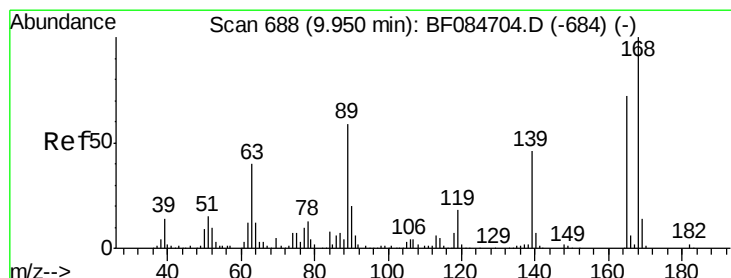
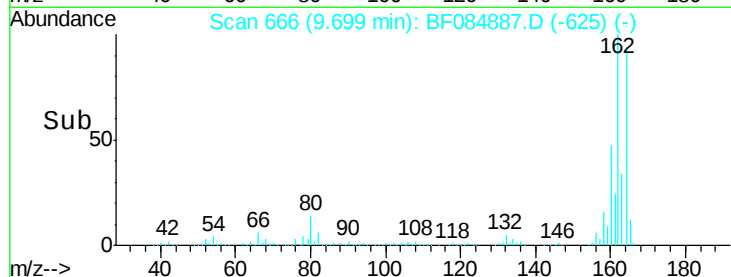
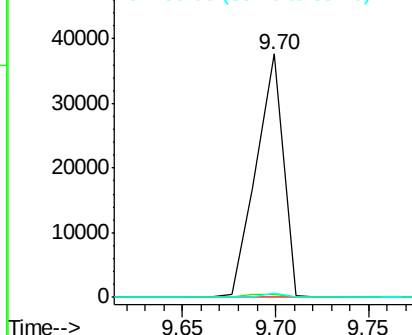
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	28.8	43.2#
89	1.6	35.1	52.7#



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: 6.14 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084887.D
 Acq: 6 Feb 2016 3:55

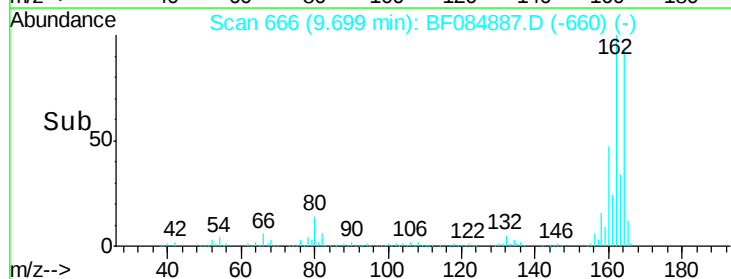
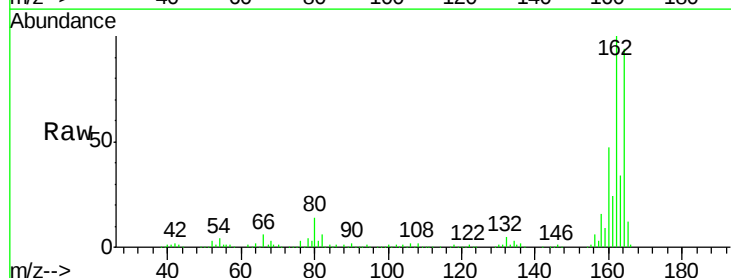
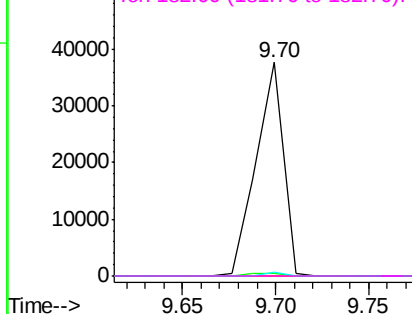
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.7	55.1#
89	1.6	61.9	92.9#
182	0.0	2.0	3.0#

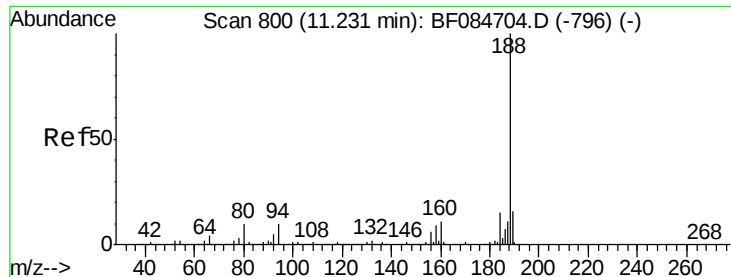
Abundance Ion 165.00 (164.70 to 165.70): E

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

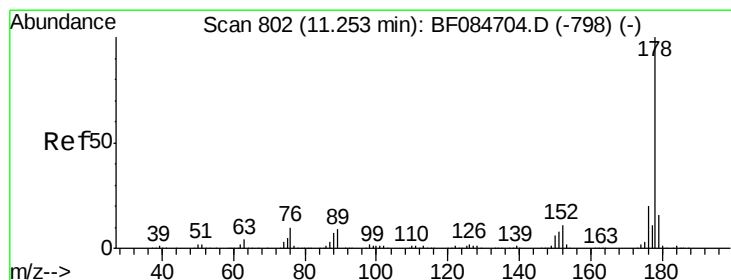
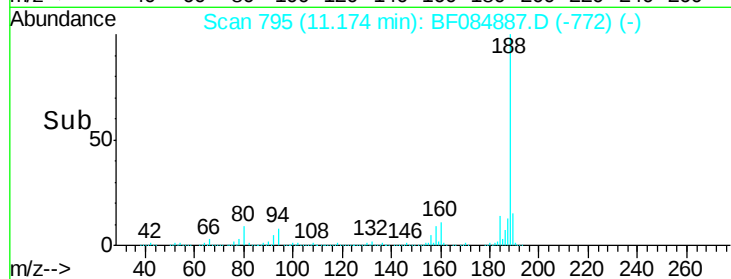
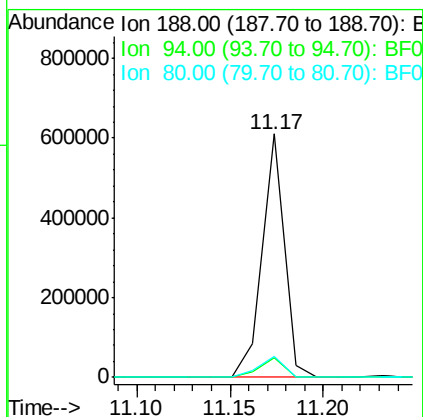
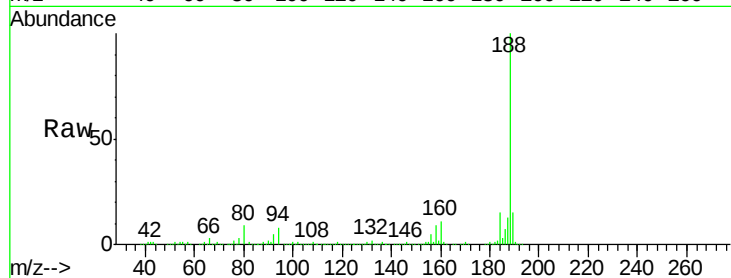




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084887.D
Acq: 6 Feb 2016 3:55

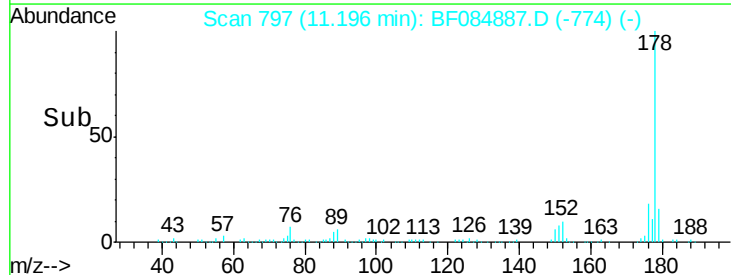
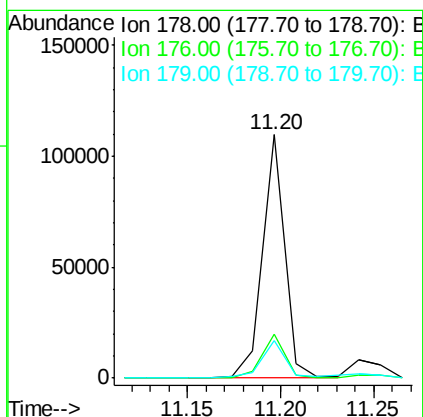
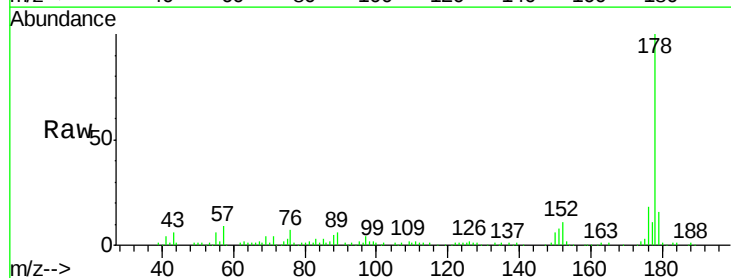
Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

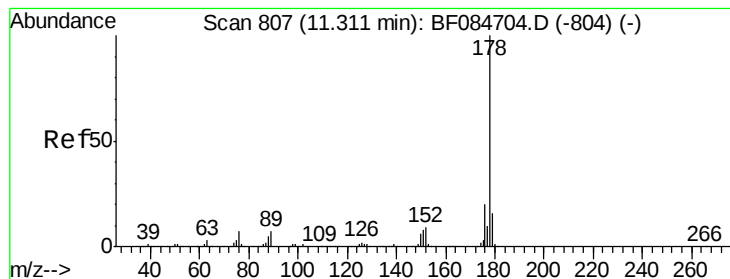
Tgt Ion:188 Resp: 501353
Ion Ratio Lower Upper
188 100
94 8.2 9.0 13.4#
80 8.7 9.6 14.4#



#70
Phenanthrene
Concen: 3.22 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF084887.D
Acq: 6 Feb 2016 3:55

Tgt Ion:178 Resp: 89516
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.7 12.0 18.0





#71

Anthracene

Concen: 3.19 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.09 min

Lab File: BF084887.D

Acq: 6 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

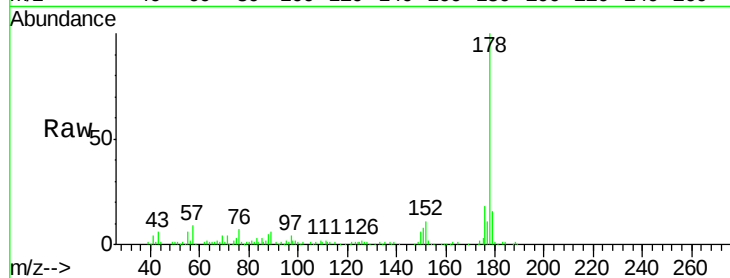
Tgt Ion:178 Resp: 89516

Ion Ratio Lower Upper

178 100

176 18.1 15.4 23.0

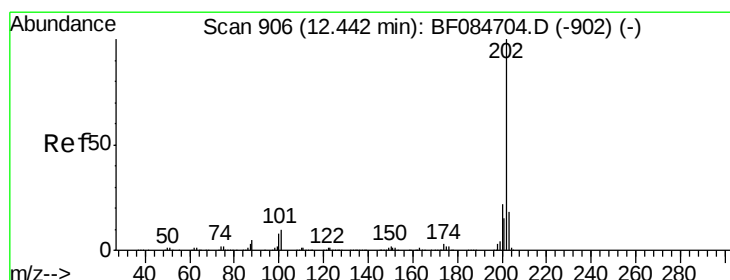
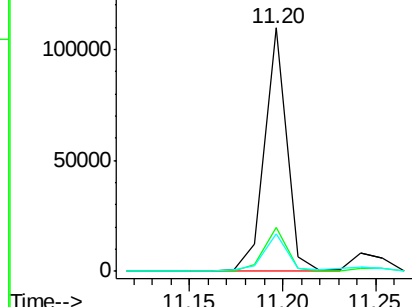
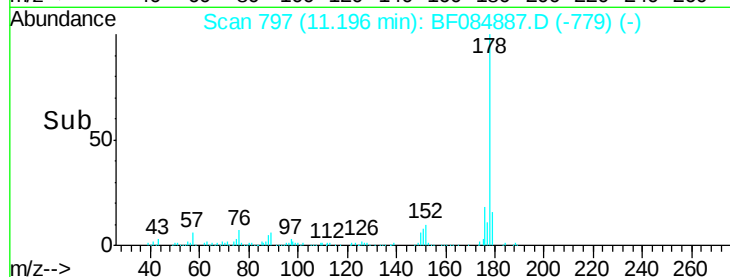
179 15.7 12.5 18.7



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



#74

Fluoranthene

Concen: 3.00 ng

RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084887.D

Acq: 6 Feb 2016 3:55

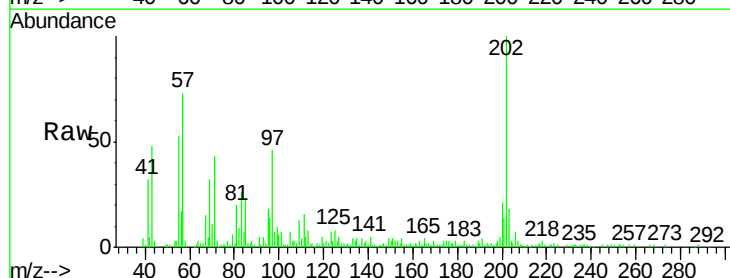
Tgt Ion:202 Resp: 84347

Ion Ratio Lower Upper

202 100

101 6.9 0.0 32.8

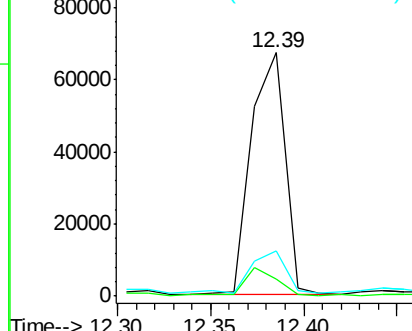
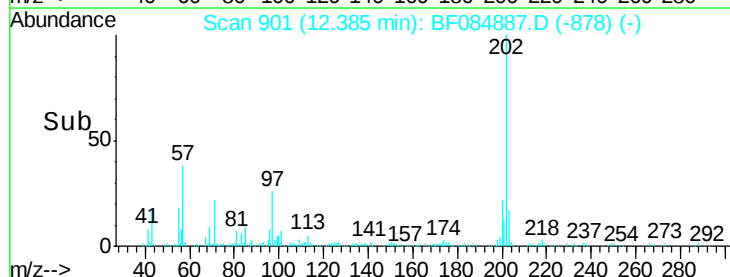
203 18.4 0.0 37.9

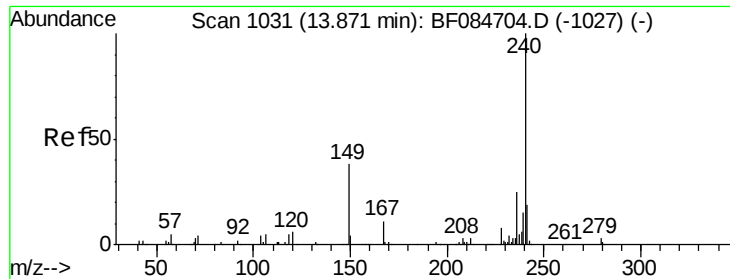


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084887.D

Acq: 6 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

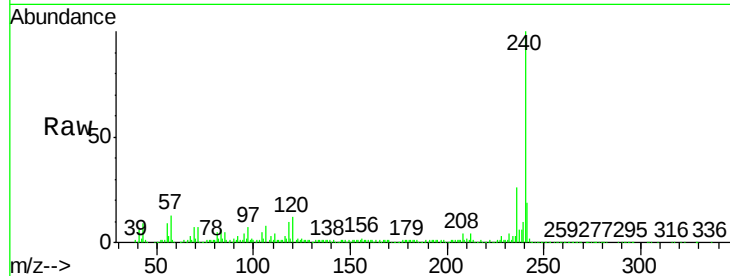
Tgt Ion:240 Resp: 314545

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

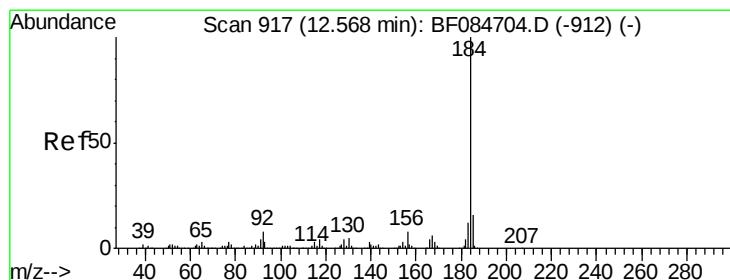
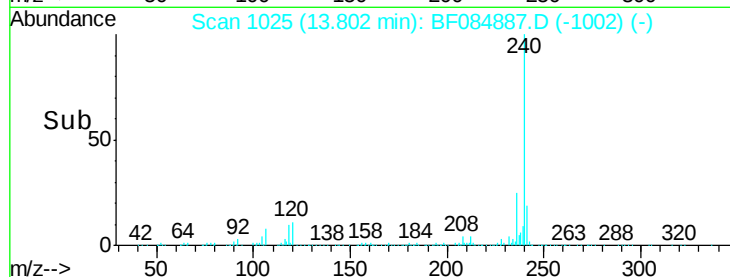
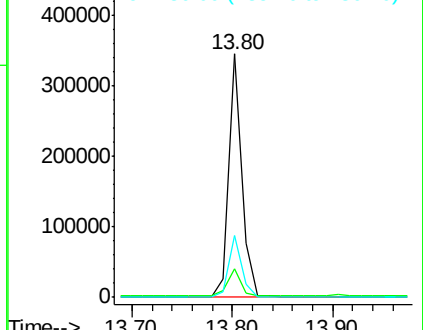
236 25.7 20.6 31.0



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: 7.18 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF084887.D

Acq: 6 Feb 2016 3:55

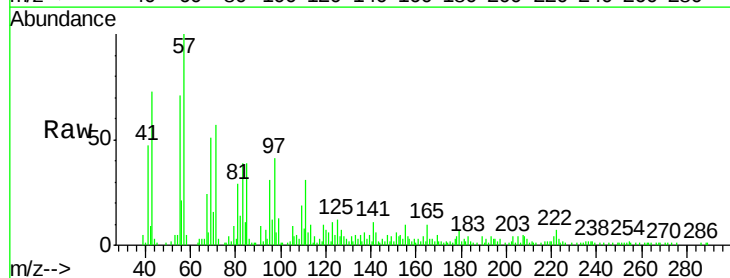
Tgt Ion:184 Resp: 4833

Ion Ratio Lower Upper

184 100

185 48.6 12.2 18.2#

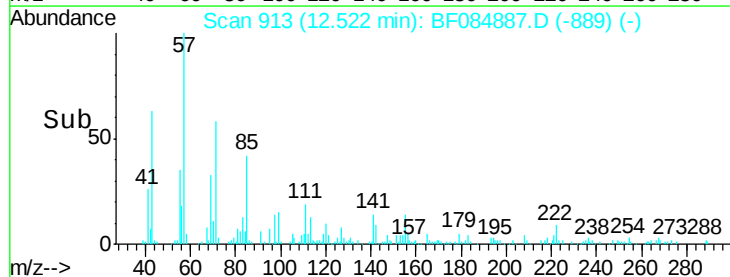
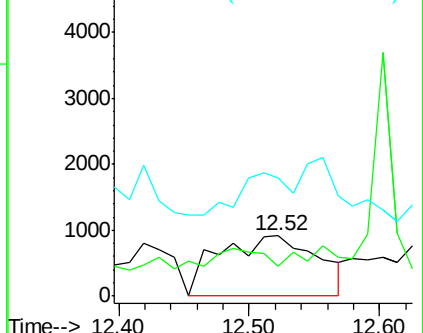
183 197.3 9.8 14.8#

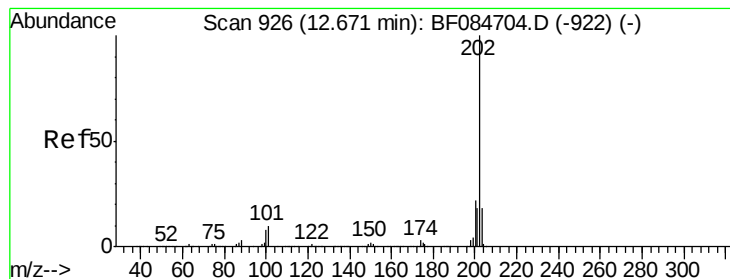


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 3.14 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084887.D

Acq: 6 Feb 2016 3:55

Instrument :

BNA_F

ClientSampleId :

S4-B007(10-12)

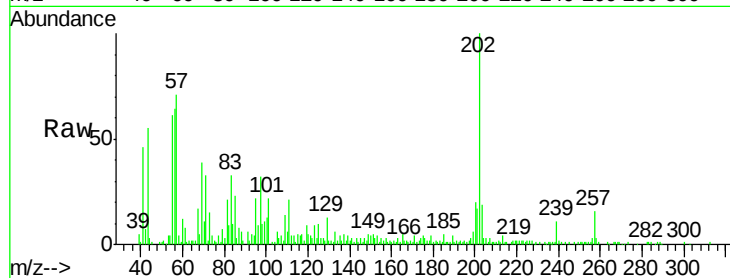
Tgt Ion:202 Resp: 75539

Ion Ratio Lower Upper

202 100

200 19.8 17.2 25.8

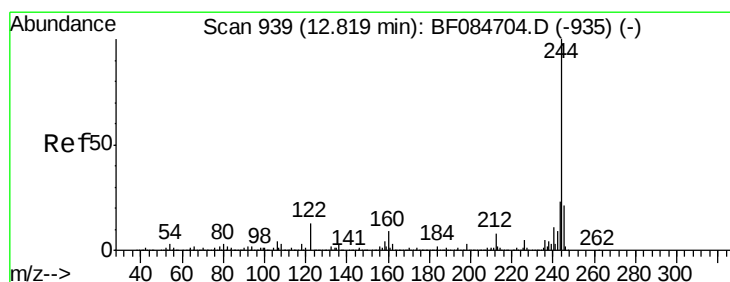
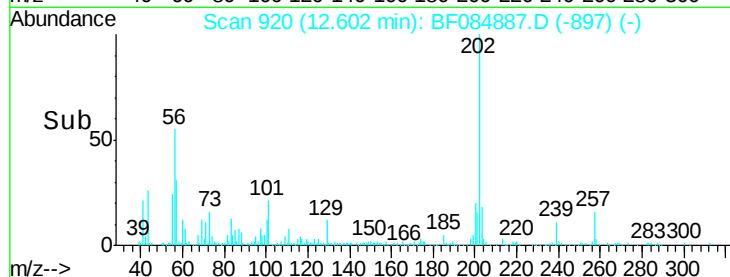
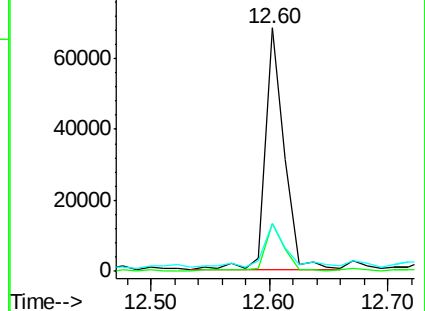
203 19.4 14.3 21.5



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: BF084887.D

Acq: 6 Feb 2016 3:55

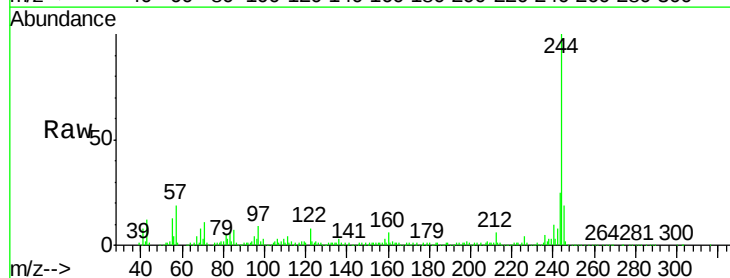
Tgt Ion:244 Resp: 329146

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

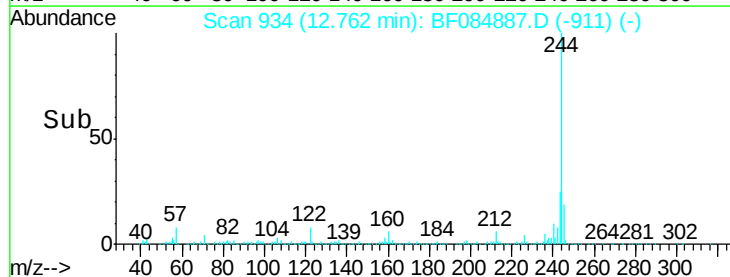
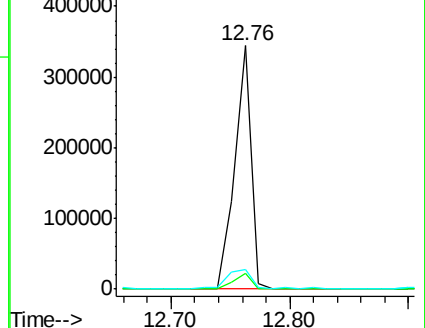
122 8.0 7.4 11.0

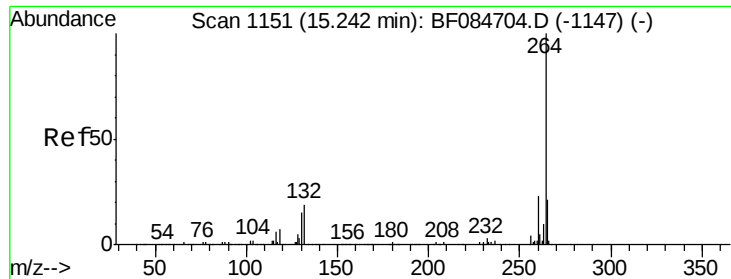


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



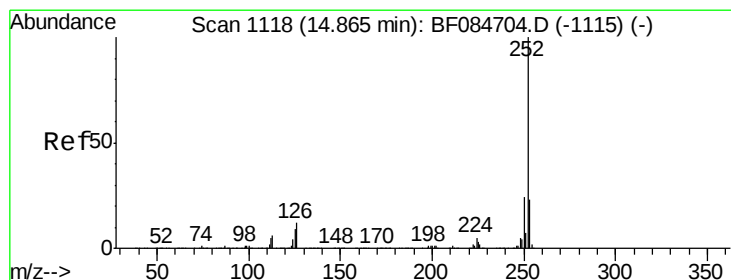
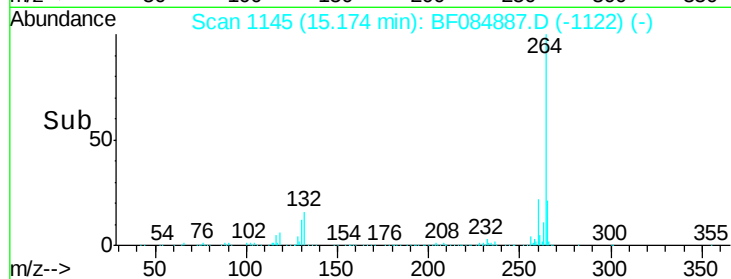
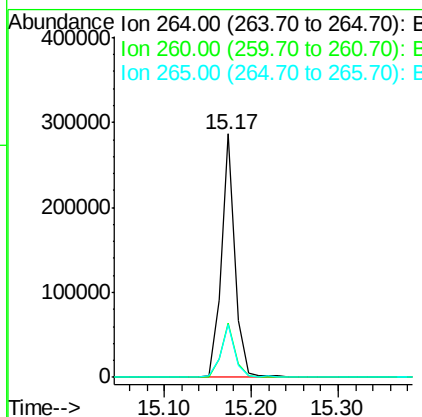
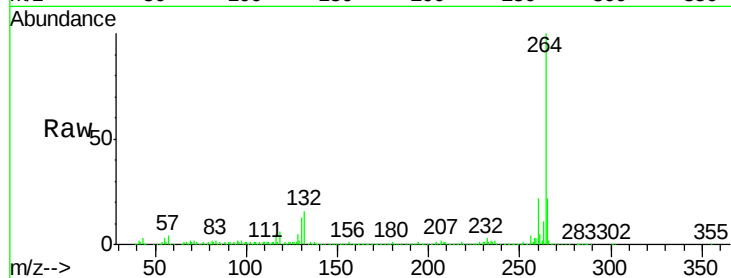


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.03 min
Lab File: BF084887.D
Acq: 6 Feb 2016 3:55

Instrument :
BNA_F
ClientSampleId :
S4-B007(10-12)

Tgt Ion:264 Resp: 317977

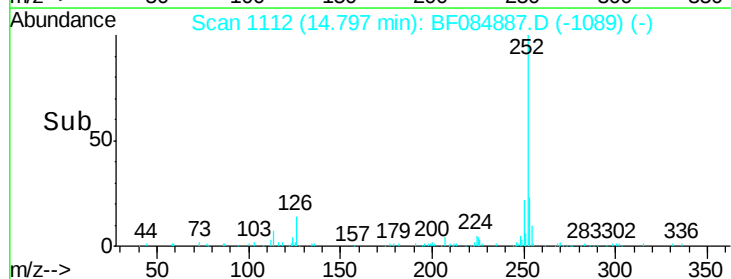
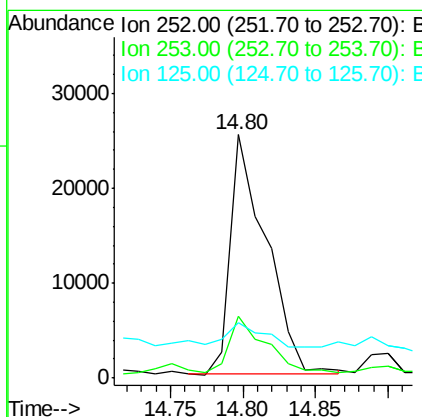
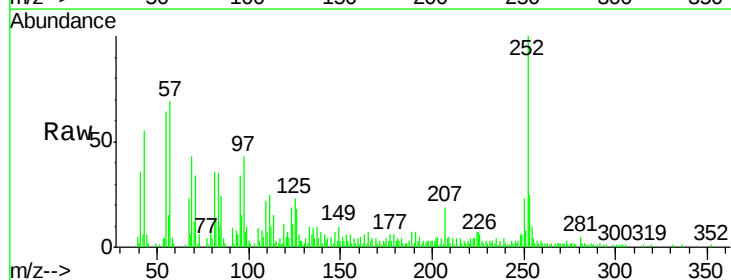
Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.4	29.2
265	21.6	17.8	26.6

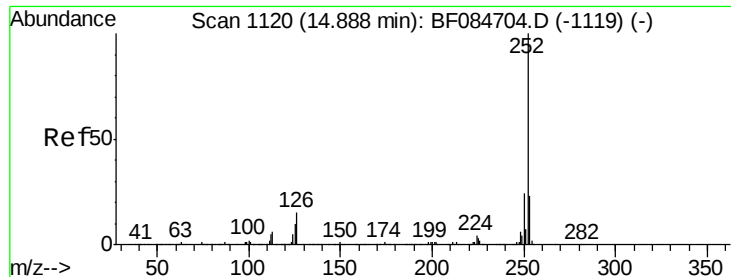


#87
Benzo(b)fluoranthene
Concen: 2.02 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084887.D
Acq: 6 Feb 2016 3:55

Tgt Ion:252 Resp: 43198

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.3	25.9
125	22.6	6.5	9.7#

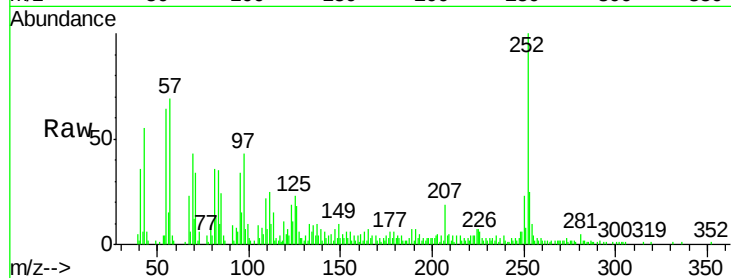




#88
 Benzo(k)fluoranthene
 Concen: 2.45 ng
 RT: 14.80 min Scan# 1112
 Delta R.T. -0.06 min
 Lab File: BF084887.D
 Acq: 6 Feb 2016 3:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(10-12)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.1	27.1
125	22.6	9.0	13.6



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

