

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084885.D
 Acq On : 6 Feb 2016 3:00
 Operator : SJ/IZ
 Sample : H1329-01 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(1-2)

Quant Time: Feb 06 03:40:53 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

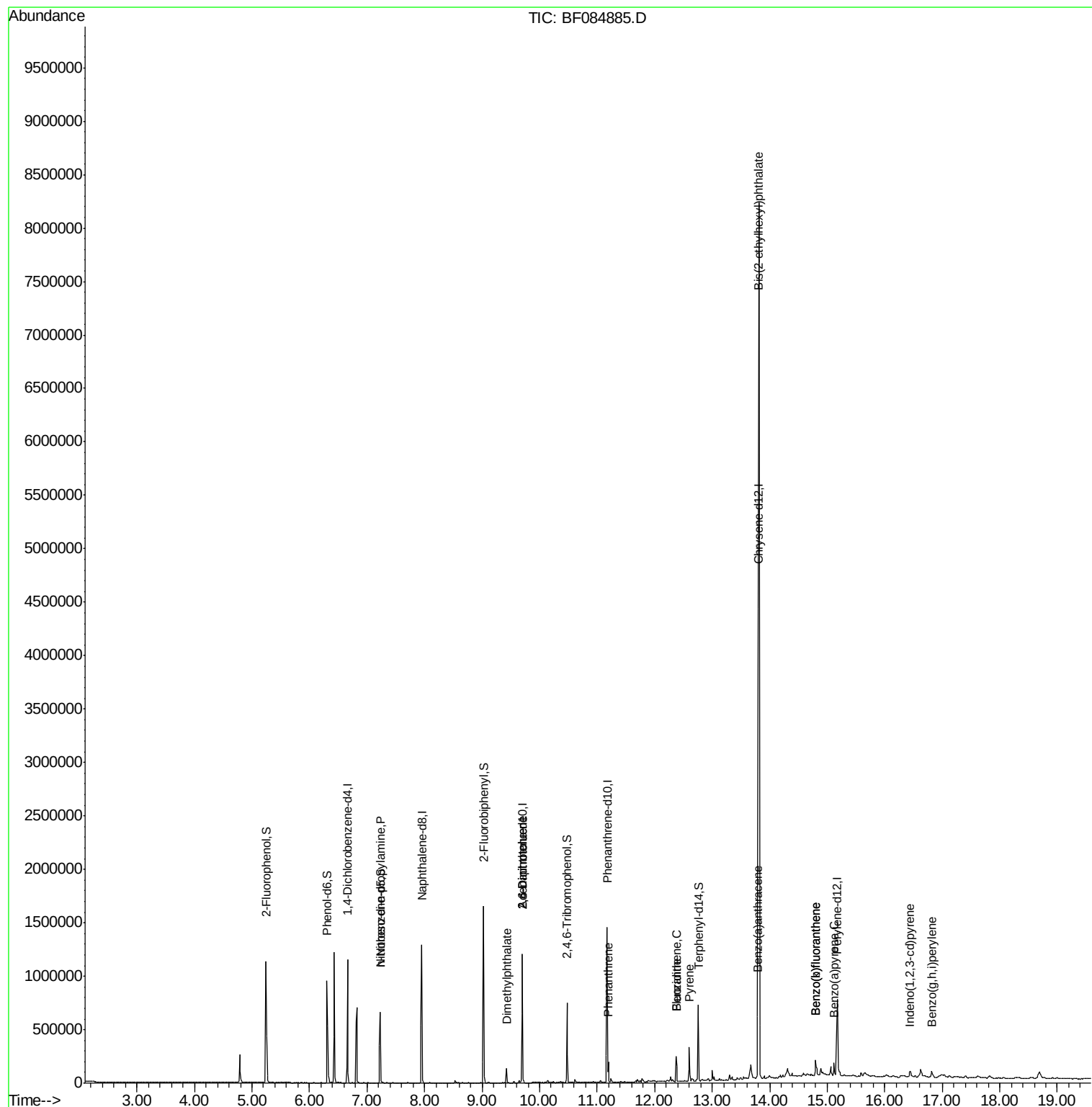
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	156716	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	653164	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	280674	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	490544	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	304446	20.00	ng	-0.03
86) Perylene-d12	15.17	264	318876	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	333125	33.11	ng	-0.03
7) Phenol-d6	6.30	99	392525	31.47	ng	-0.03
23) Nitrobenzene-d5	7.23	82	243253	20.98	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	87602	29.92	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	461463	21.48	ng	-0.03
78) Terphenyl-d14	12.76	244	315395	23.48	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	30444	3.89	ng	# 75
49) Dimethylphthalate	9.42	163	47850	2.24	ng	# 91
50) 2,6-Dinitrotoluene	9.70	165	35176	7.53	ng	# 37
56) 2,4-Dinitrotoluene	9.70	165	35176	5.91	ng	# 21
70) Phenanthrene	11.20	178	70375	2.59	ng	100
74) Fluoranthene	12.37	202	119376	4.34	ng	98
76) Benzydine	12.37	184	3229	7.09	ng	# 85
77) Pyrene	12.60	202	114469	4.91	ng	98
80) Benzo(a)anthracene	13.79	228	54213	2.87	ng	96
83) Bis(2-ethylhexyl)phthalate	13.81	149	2315608	175.97	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.44	276	41172	2.85	ng	98
87) Benzo(b)fluoranthene	14.80	252	87120	4.07	ng	# 95
88) Benzo(k)fluoranthene	14.80	252	87120	4.92	ng	99
89) Benzo(a)pyrene	15.12	252	55010	3.01	ng	97
91) Benzo(g,h,i)perylene	16.82	276	40865	2.64	ng	98

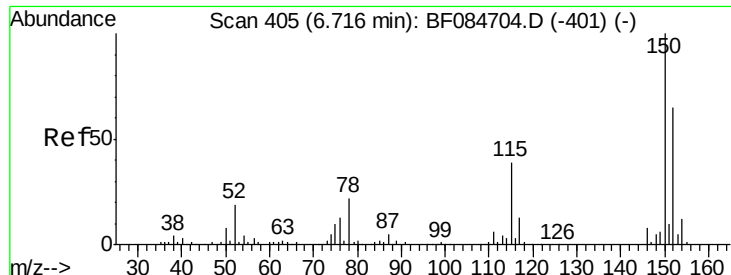
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

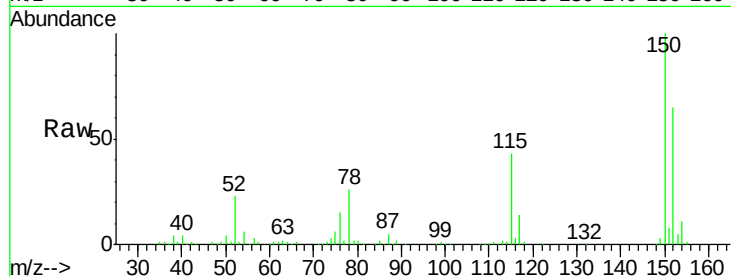
Tgt Ion:152 Resp: 156716

Ion Ratio Lower Upper

152 100

150 154.2 123.0 184.4

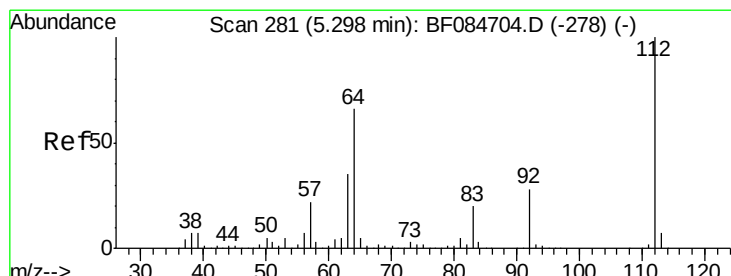
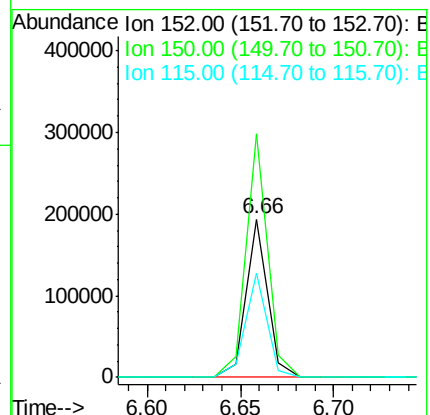
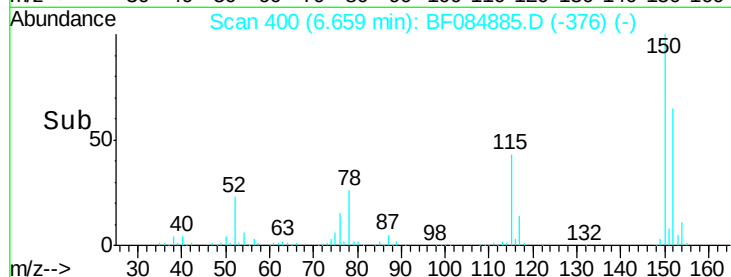
115 65.8 51.4 77.2



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: 33.11 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

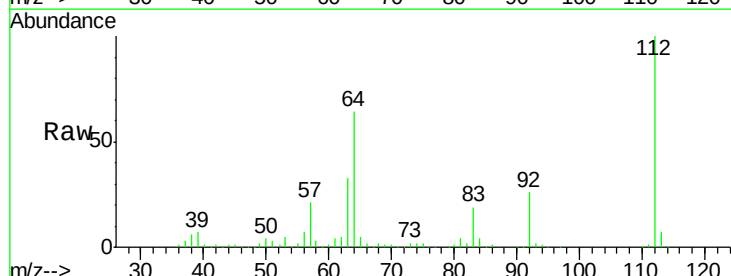
Tgt Ion:112 Resp: 333125

Ion Ratio Lower Upper

112 100

64 63.9 36.6 55.0#

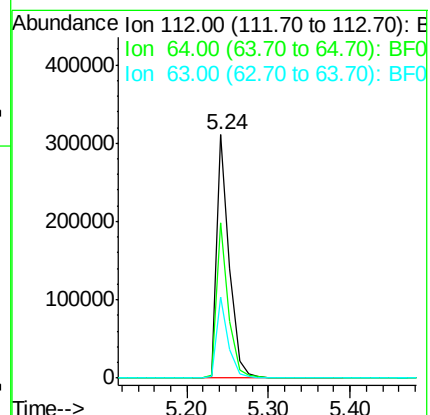
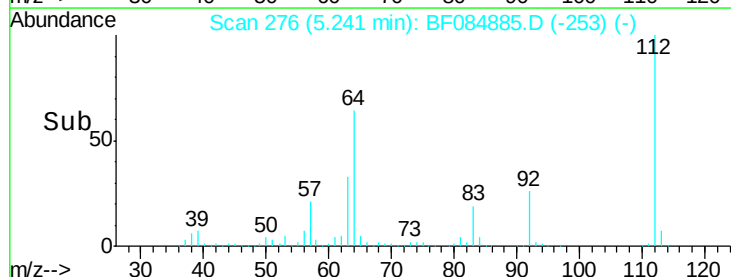
63 33.3 19.4 29.0#

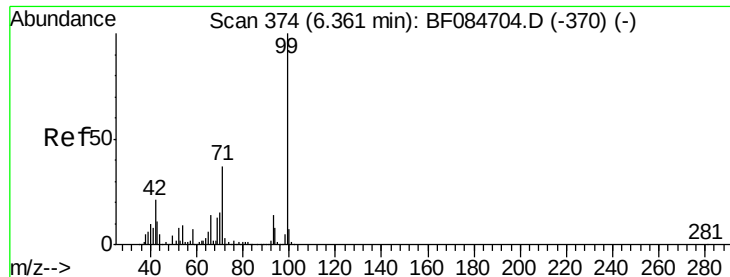


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 31.47 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

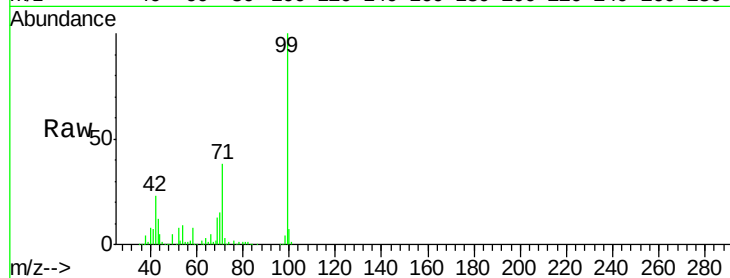
Tgt Ion: 99 Resp: 392525

Ion Ratio Lower Upper

99 100

42 22.7 12.8 19.2#

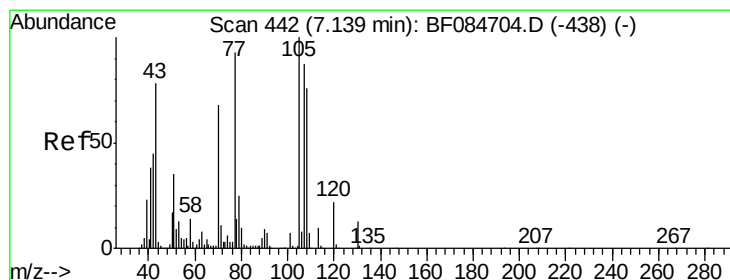
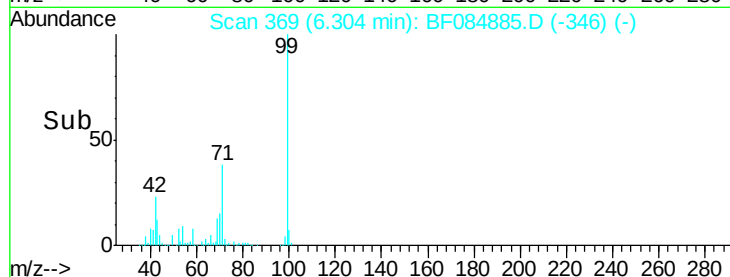
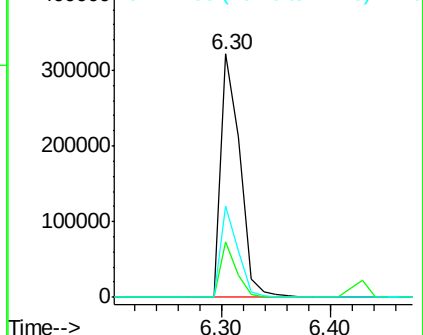
71 37.7 30.9 46.3



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: 3.89 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion: 70 Resp: 30444

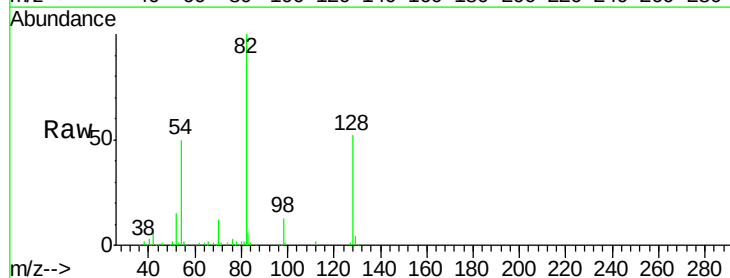
Ion Ratio Lower Upper

70 100

42 45.5 33.3 49.9

101 0.0 9.3 13.9#

130 2.7 23.4 35.0#

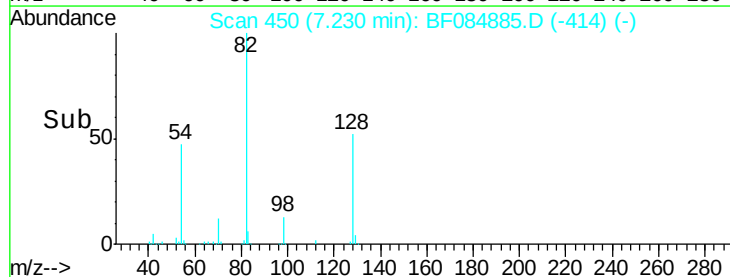
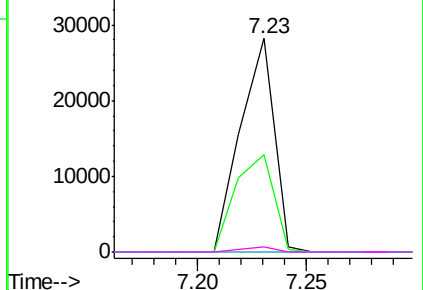


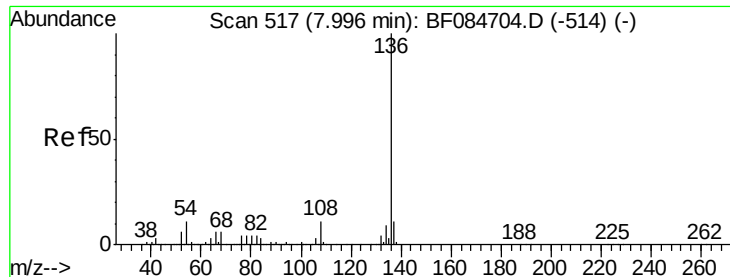
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

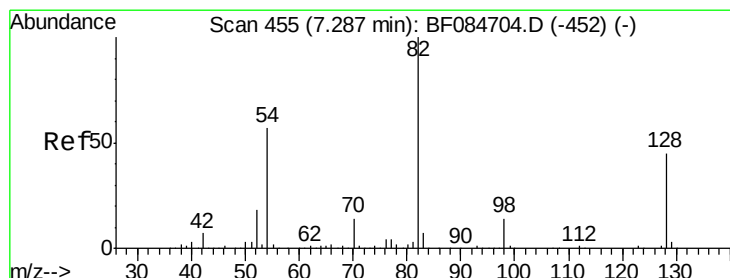
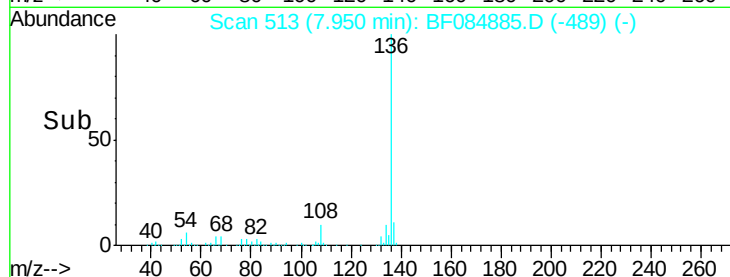
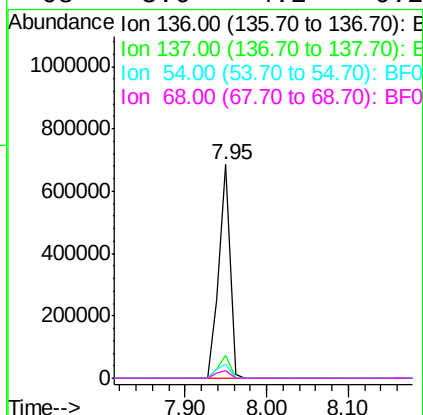
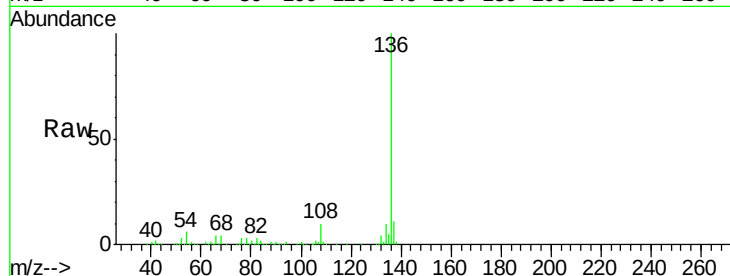




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084885.D
Acq: 6 Feb 2016 3:00

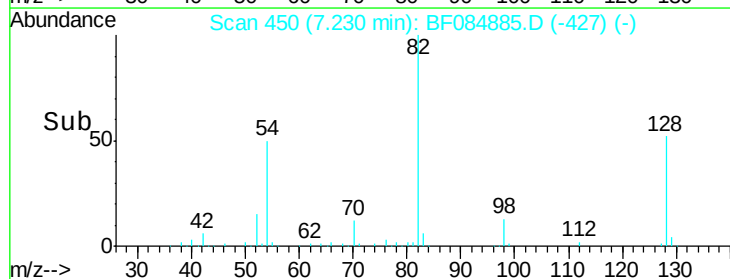
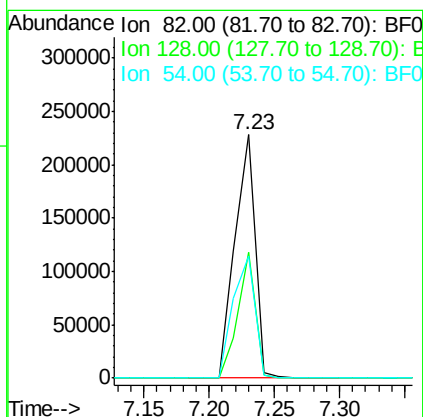
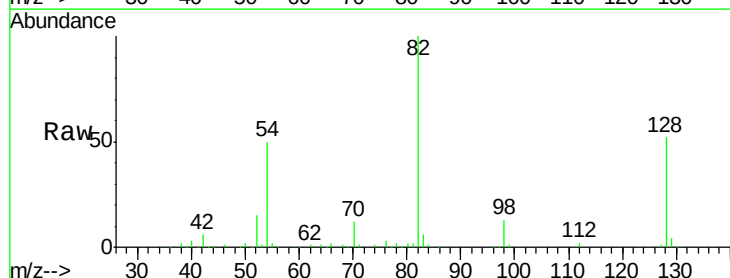
Instrument :
BNA_F
ClientSampleId :
S4-B007(1-2)

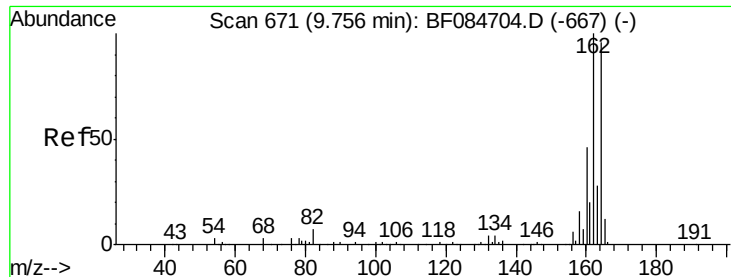
Tgt Ion:	136	Resp:	653164
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	6.3	5.8	8.8
68	3.6	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 20.98 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF084885.D
Acq: 6 Feb 2016 3:00

Tgt Ion:	82	Resp:	243253
Ion	Ratio	Lower	Upper
82	100		
128	51.7	34.6	51.8
54	50.1	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: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

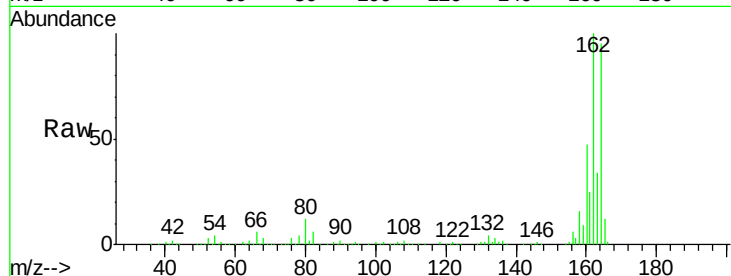
Tgt Ion:164 Resp: 280674

Ion Ratio Lower Upper

164 100

162 104.8 85.1 127.7

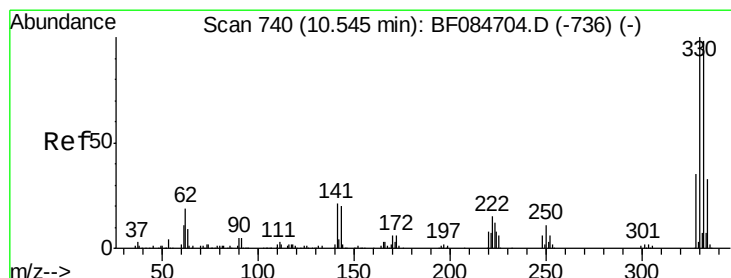
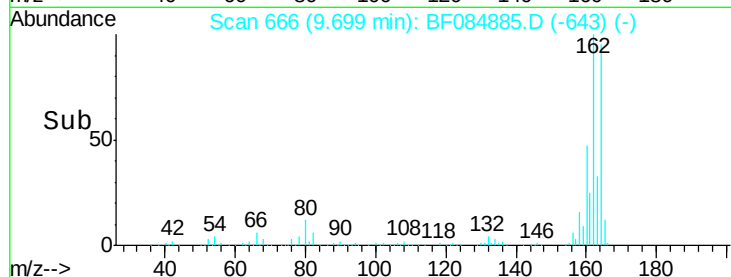
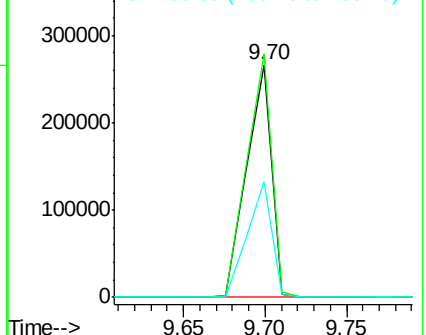
160 49.6 37.5 56.3



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: 29.92 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

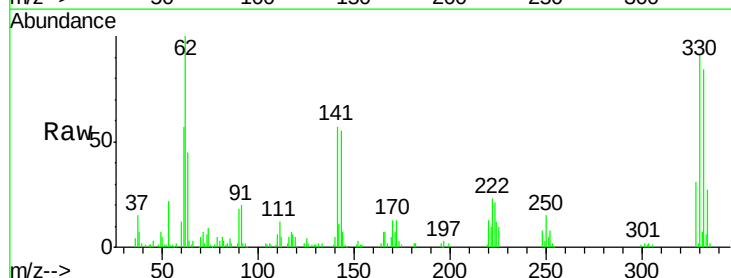
Tgt Ion:330 Resp: 87602

Ion Ratio Lower Upper

330 100

332 96.1 76.6 114.8

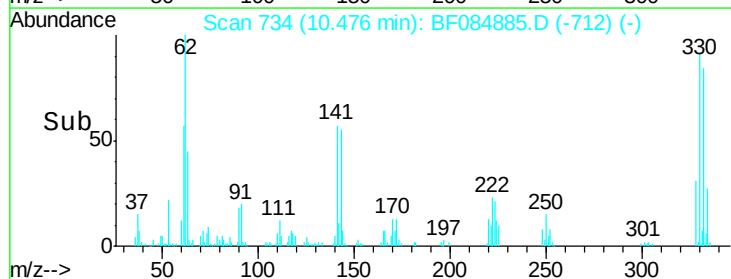
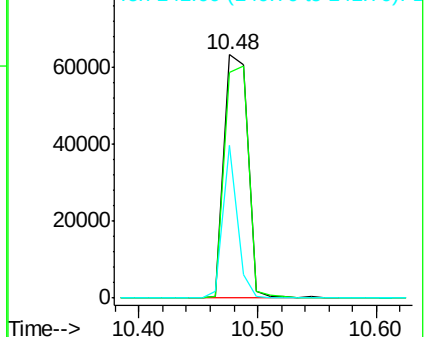
141 37.6 27.8 41.6

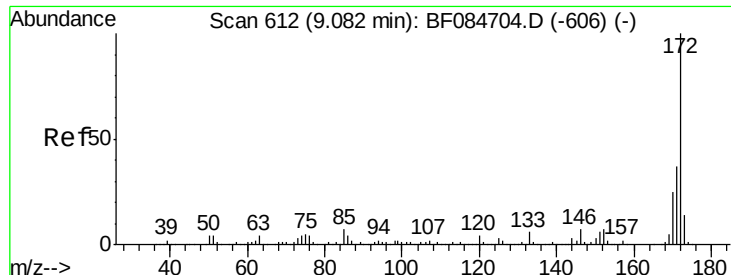


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

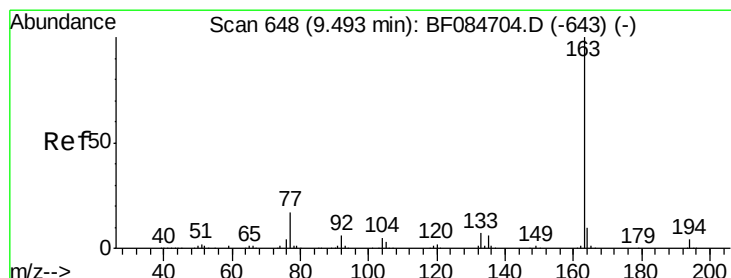
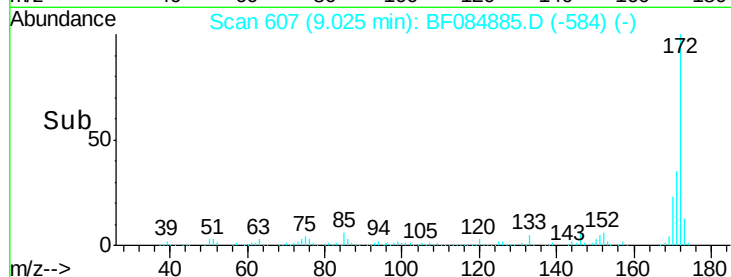
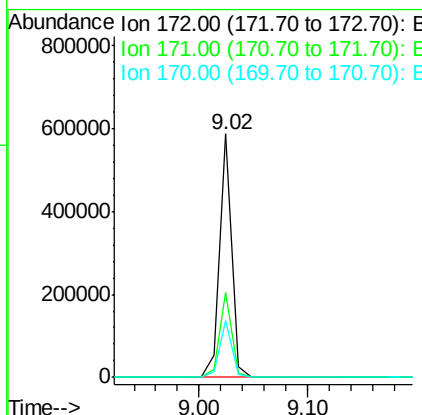
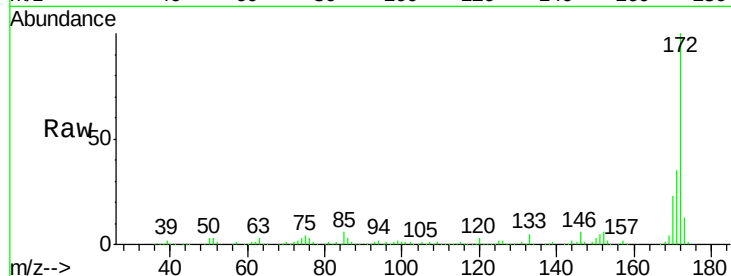




#44
 2-Fluorobiphenyl
 Concen: 21.48 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084885.D
 Acq: 6 Feb 2016 3:00

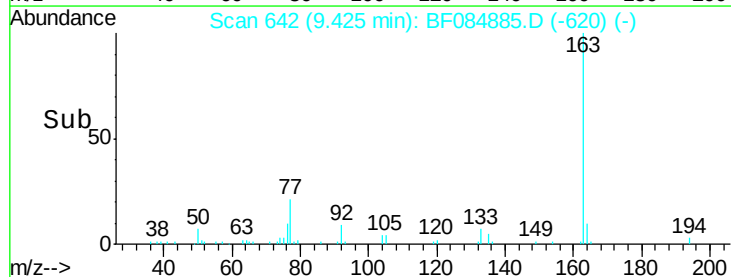
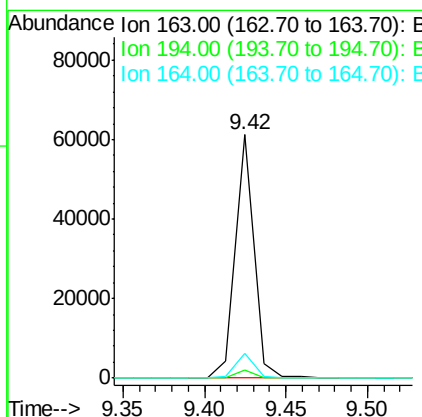
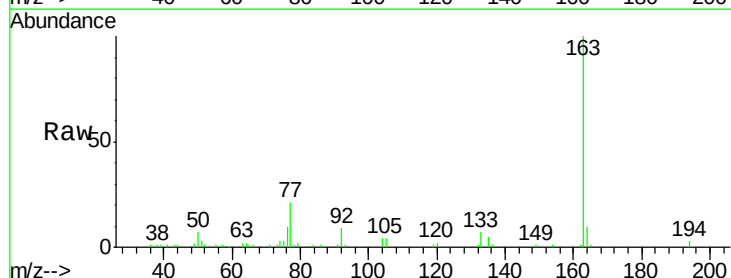
Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(1-2)

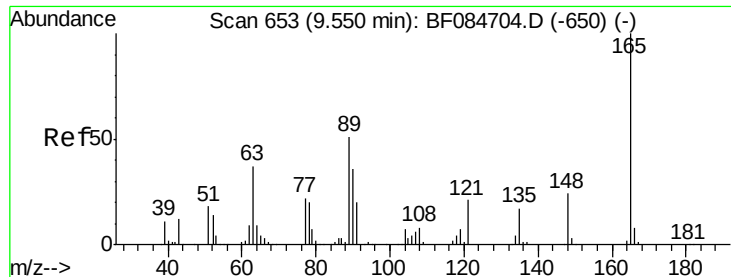
Tgt Ion:172 Resp: 461463
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.9 43.3
 170 23.2 18.6 27.8



#49
 Dimethylphthalate
 Concen: 2.24 ng
 RT: 9.42 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF084885.D
 Acq: 6 Feb 2016 3:00

Tgt Ion:163 Resp: 47850
 Ion Ratio Lower Upper
 163 100
 194 3.3 8.0 12.0#
 164 9.9 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 7.53 ng

RT: 9.70 min Scan# 666

Delta R.T. 0.17 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

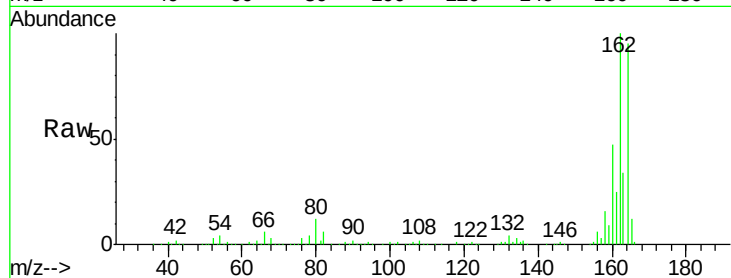
Tgt Ion:165 Resp: 35176

Ion Ratio Lower Upper

165 100

63 1.4 28.8 43.2#

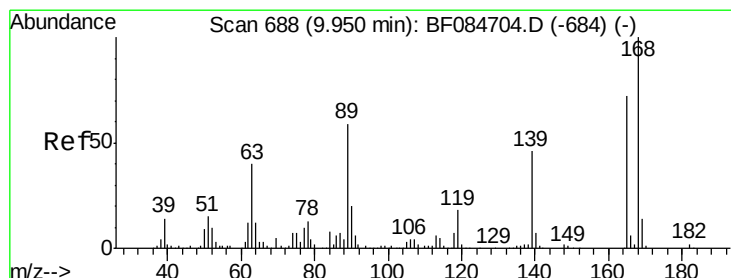
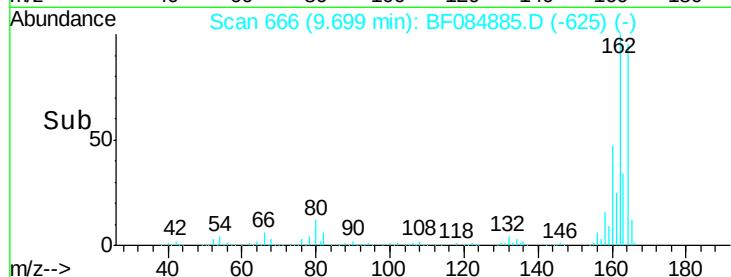
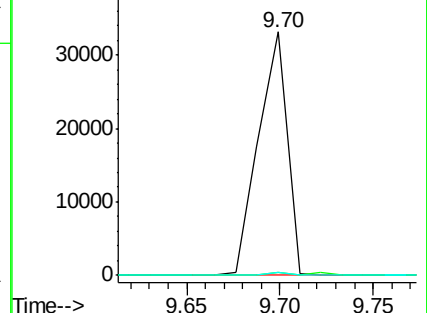
89 1.5 35.1 52.7#



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: 5.91 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.23 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Tgt Ion:165 Resp: 35176

Ion Ratio Lower Upper

165 100

63 1.4 36.7 55.1#

89 1.5 61.9 92.9#

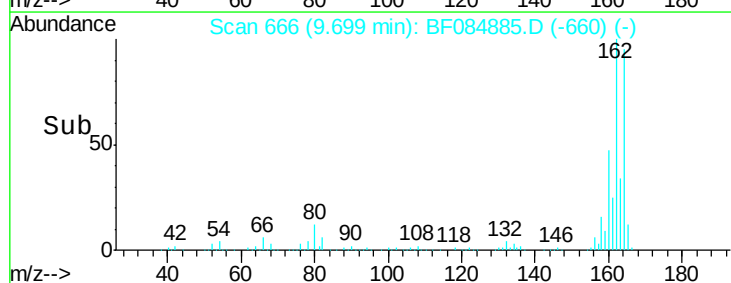
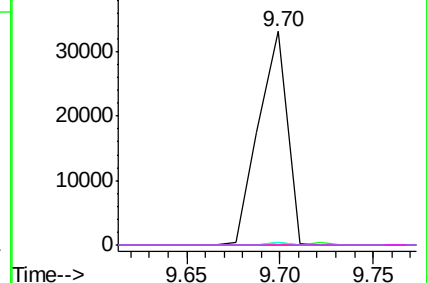
182 0.0 2.0 3.0#

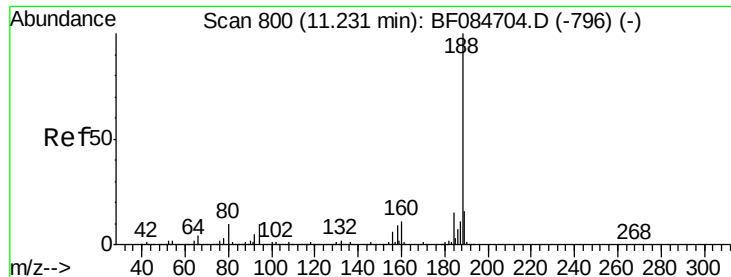
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

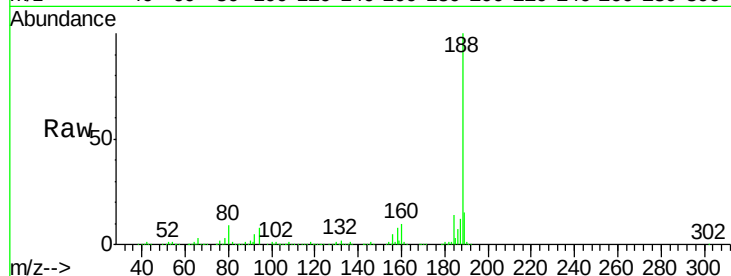
Tgt Ion:188 Resp: 490544

Ion Ratio Lower Upper

188 100

94 8.1 9.0 13.4#

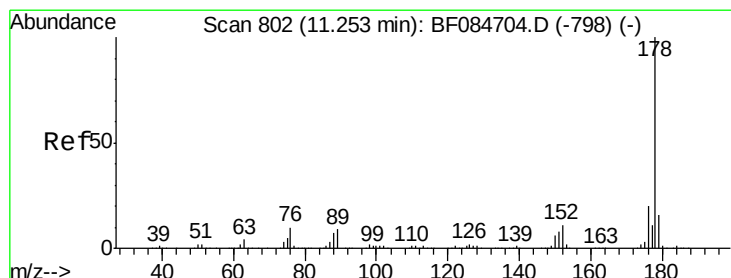
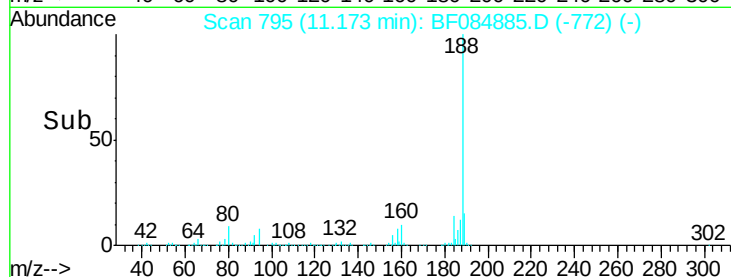
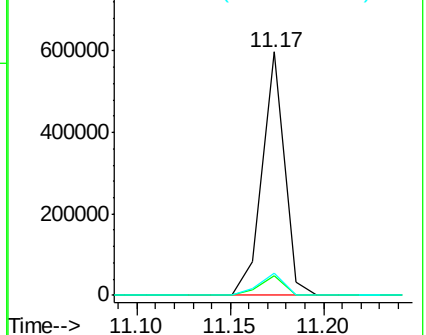
80 8.9 9.6 14.4#



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: 2.59 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

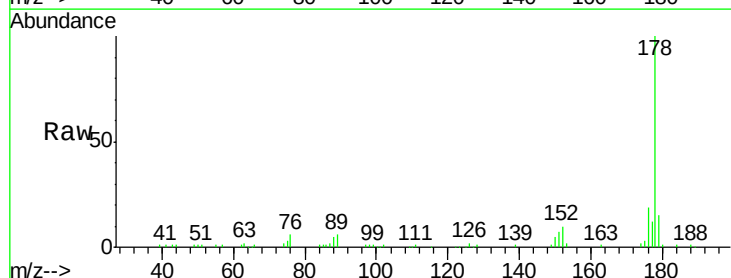
Tgt Ion:178 Resp: 70375

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

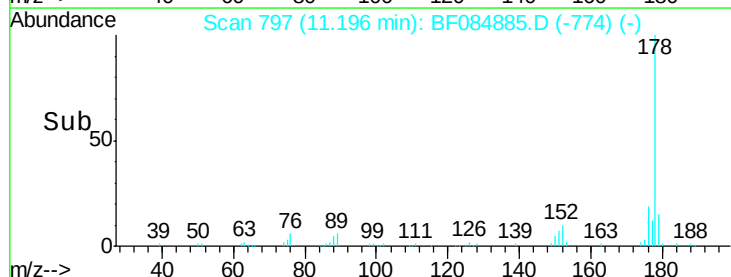
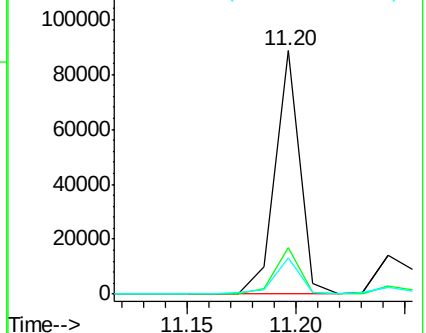
179 14.7 12.0 18.0

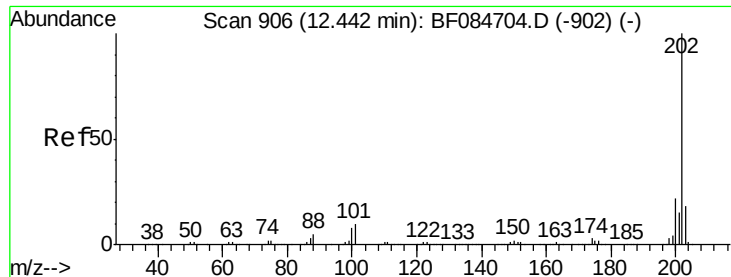


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.34 ng

RT: 12.37 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

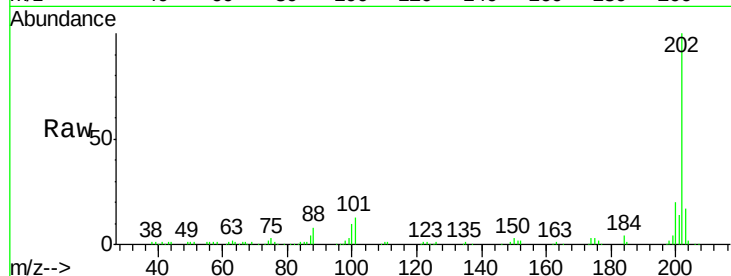
Tgt Ion:202 Resp: 119376

Ion Ratio Lower Upper

202 100

101 13.4 0.0 32.8

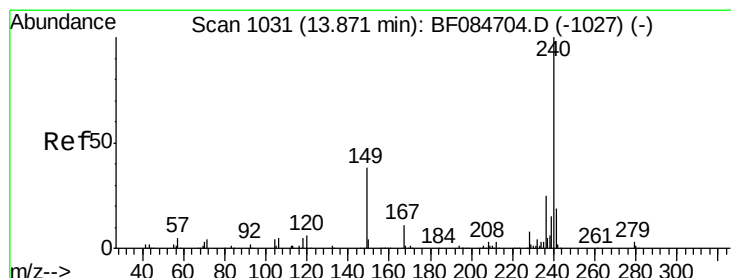
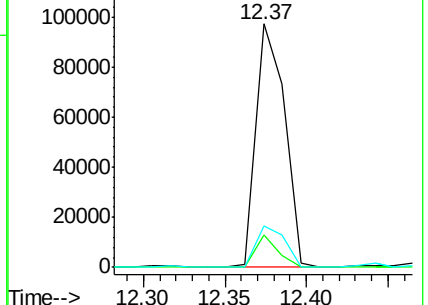
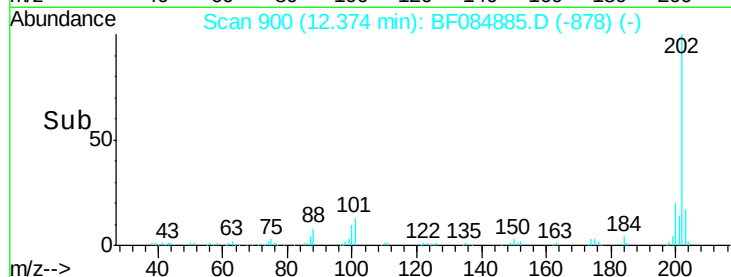
203 17.1 0.0 37.9



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: BF084885.D

Acq: 6 Feb 2016 3:00

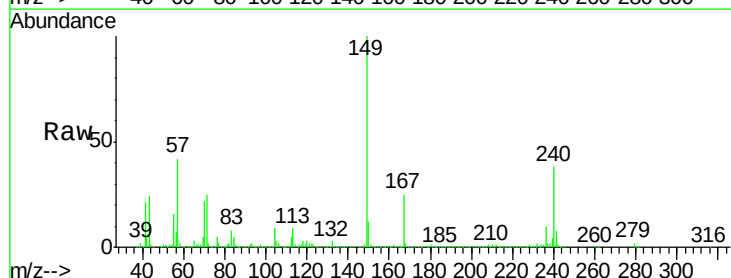
Tgt Ion:240 Resp: 304446

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

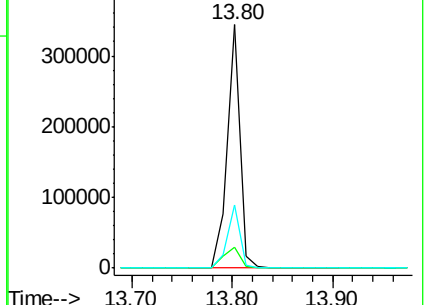
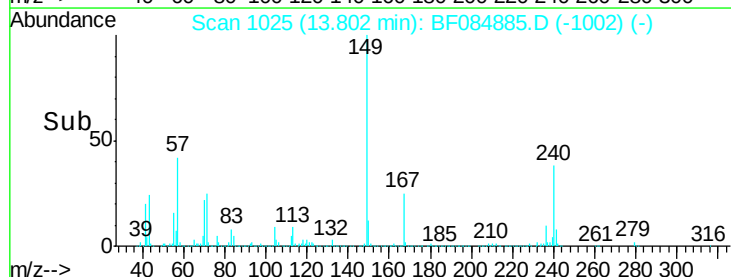
236 25.8 20.6 31.0

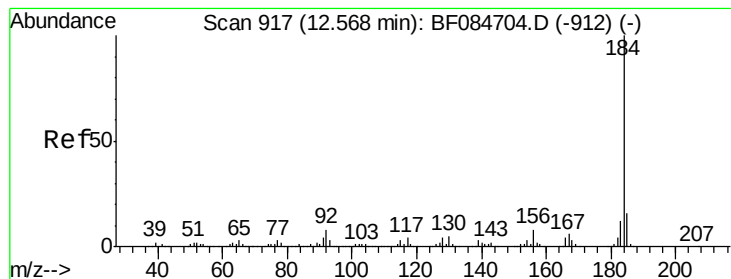


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

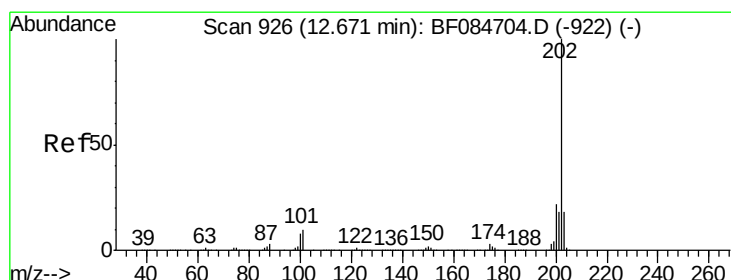
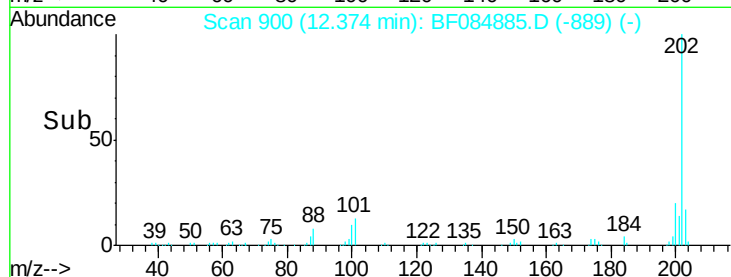
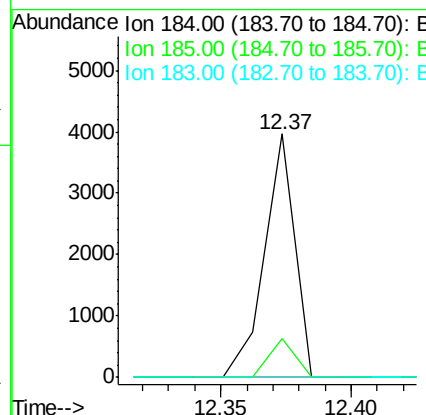
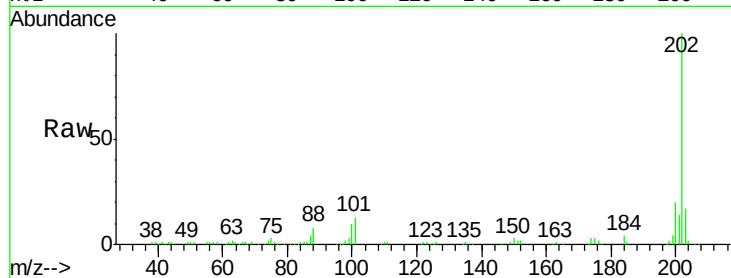




#76
Benzidine
Concen: 7.09 ng
RT: 12.37 min Scan# 900
Delta R.T. -0.17 min
Lab File: BF084885.D
Acq: 6 Feb 2016 3:00

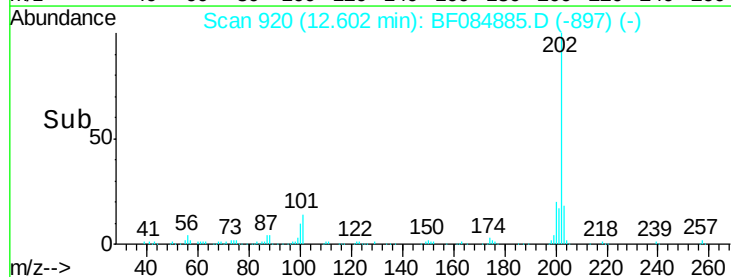
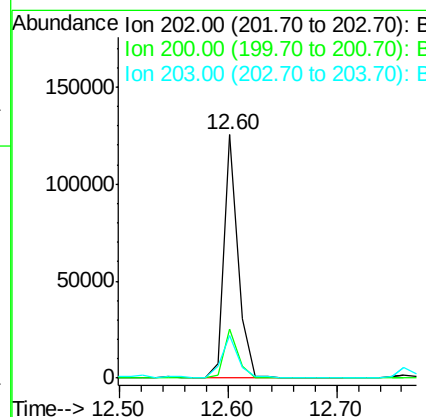
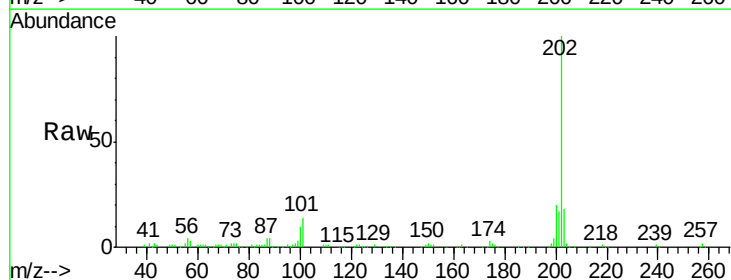
Instrument :
BNA_F
ClientSampleId :
S4-B007(1-2)

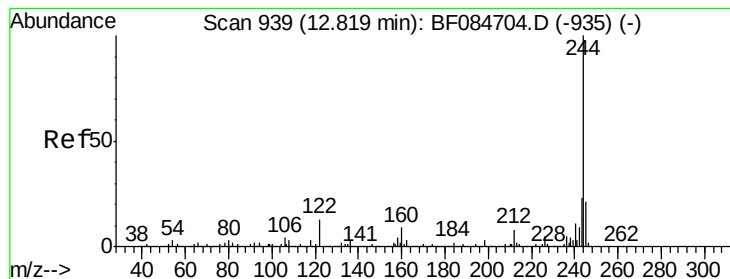
Tgt Ion:184 Resp: 3229
Ion Ratio Lower Upper
184 100
185 16.0 12.2 18.2
183 0.0 9.8 14.8#



#77
Pyrene
Concen: 4.91 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.03 min
Lab File: BF084885.D
Acq: 6 Feb 2016 3:00

Tgt Ion:202 Resp: 114469
Ion Ratio Lower Upper
202 100
200 20.4 17.2 25.8
203 17.5 14.3 21.5





#78

Terphenyl-d14

Concen: 23.48 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

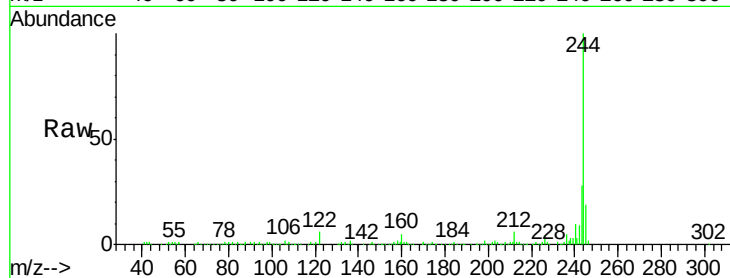
Tgt Ion:244 Resp: 315395

Ion Ratio Lower Upper

244 100

212 5.6 5.7 8.5#

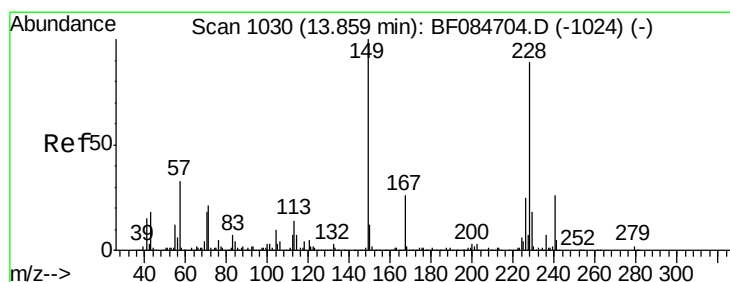
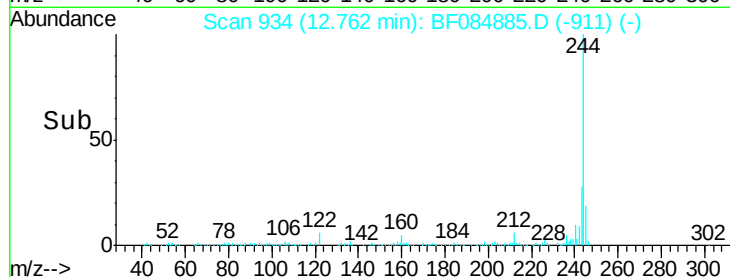
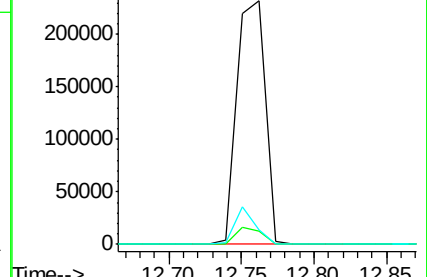
122 6.1 7.4 11.0#



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



#80

Benzo(a)anthracene

Concen: 2.87 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

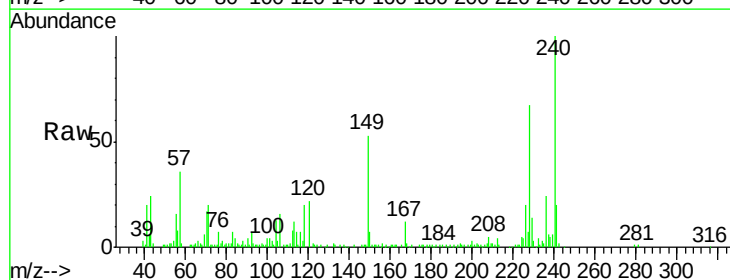
Tgt Ion:228 Resp: 54213

Ion Ratio Lower Upper

228 100

226 30.0 21.8 32.6

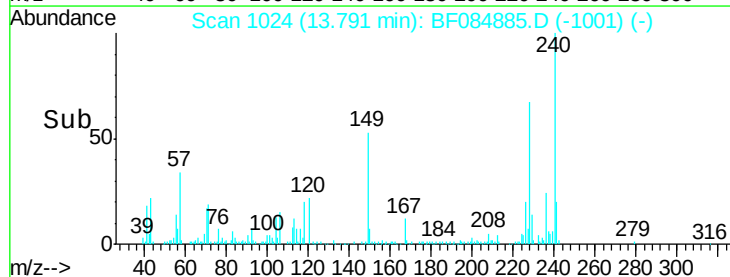
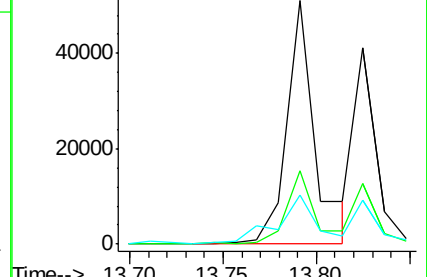
229 20.3 15.8 23.8

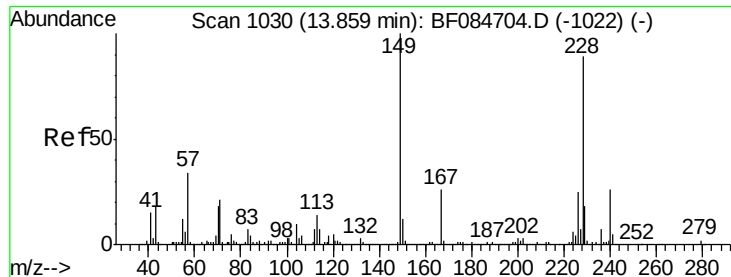


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 175.97 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.02 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

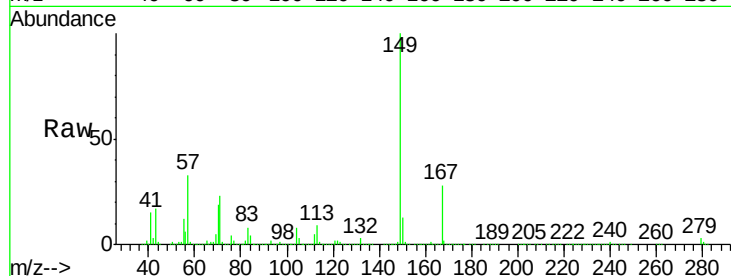
Tgt Ion:149 Resp: 2315608

Ion Ratio Lower Upper

149 100

167 27.7 19.7 29.5

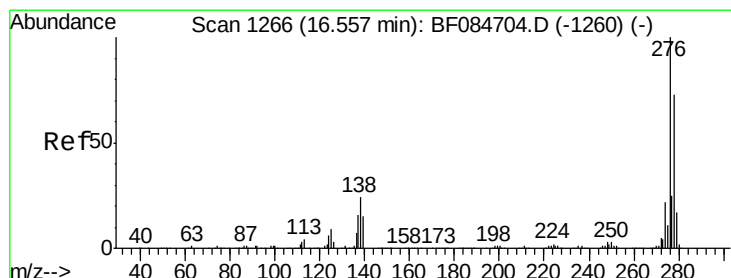
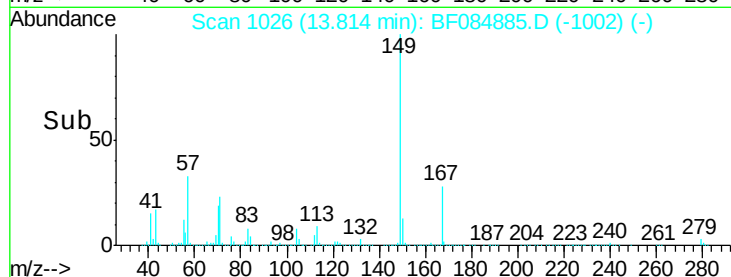
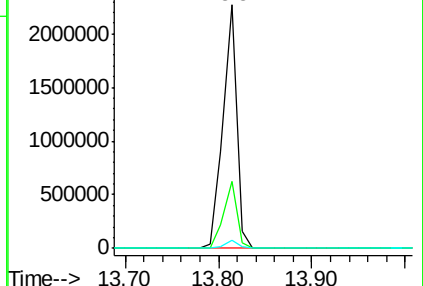
279 3.1 1.8 2.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.85 ng

RT: 16.44 min Scan# 1256

Delta R.T. -0.06 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

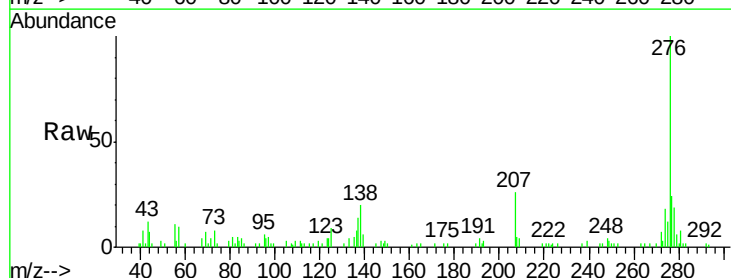
Tgt Ion:276 Resp: 41172

Ion Ratio Lower Upper

276 100

138 25.9 20.6 30.8

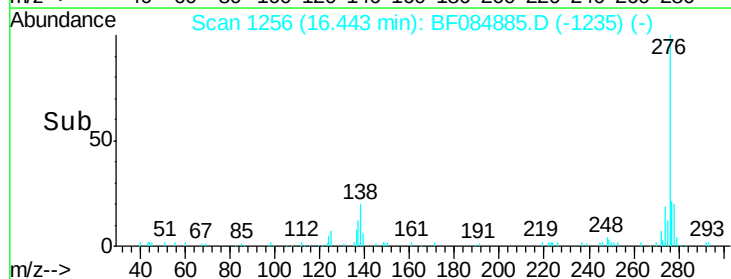
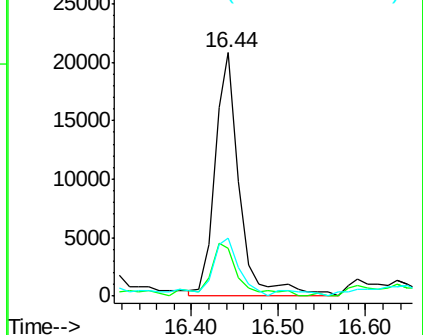
277 26.7 20.1 30.1

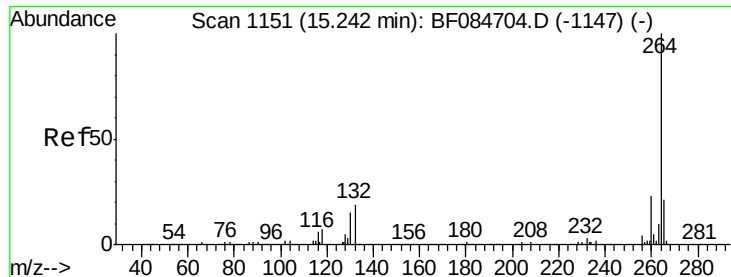


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)

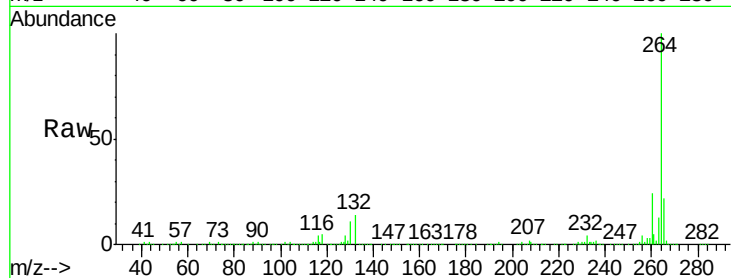
Tgt Ion:264 Resp: 318876

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

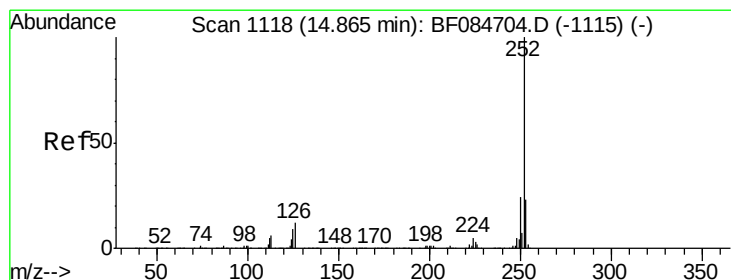
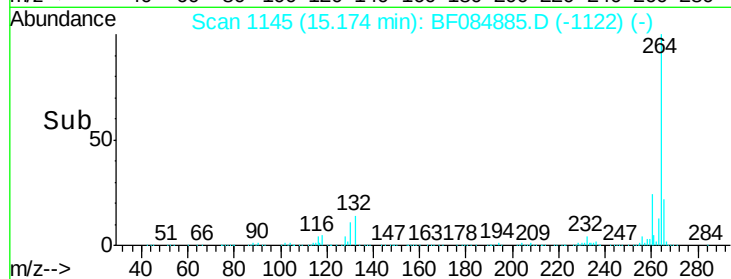
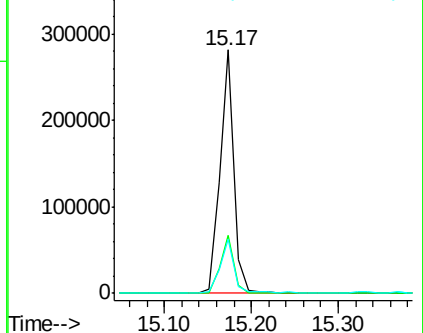
265 22.4 17.8 26.6



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



#87

Benzo(b)fluoranthene

Concen: 4.07 ng

RT: 14.80 min Scan# 1112

Delta R.T. -0.03 min

Lab File: BF084885.D

Acq: 6 Feb 2016 3:00

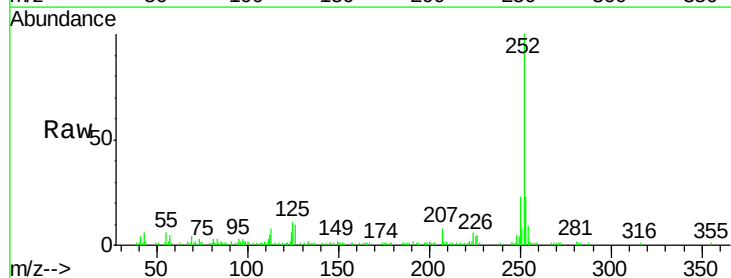
Tgt Ion:252 Resp: 87120

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

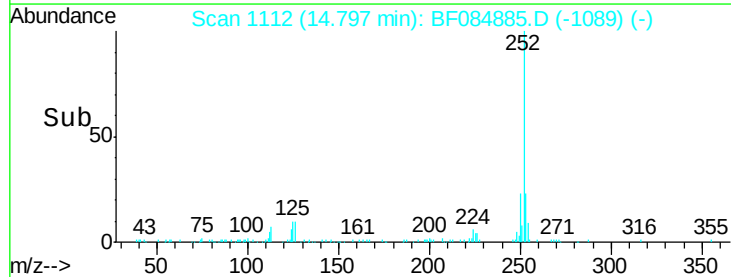
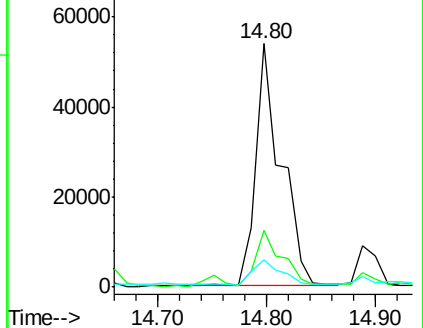
125 11.2 6.5 9.7#

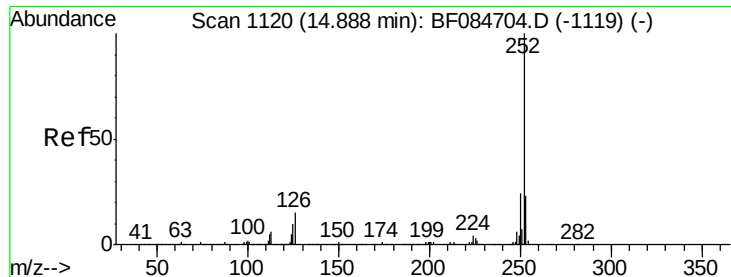


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

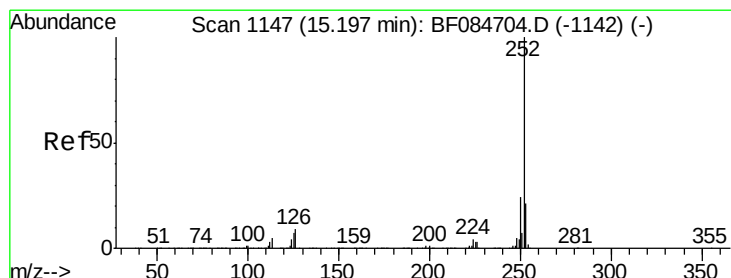
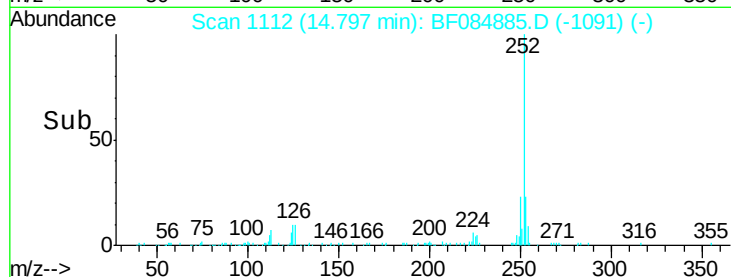
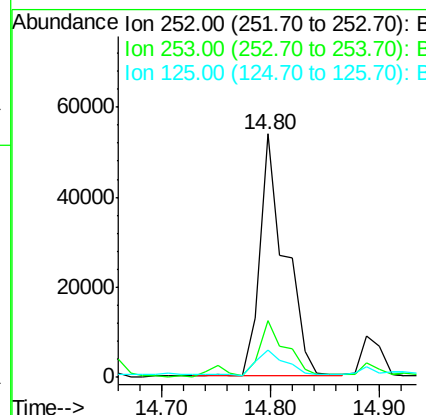
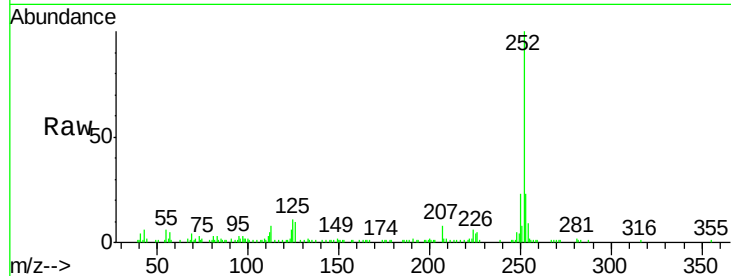




#88
Benzo(k)fluoranthene
Concen: 4.92 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.06 min
Lab File: BF084885.D
Acq: 6 Feb 2016 3:00

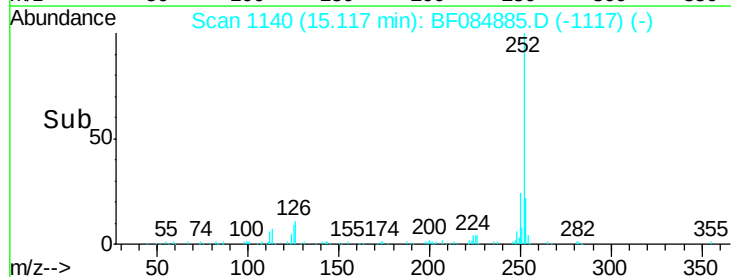
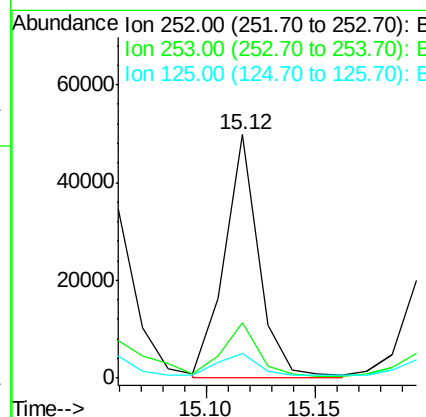
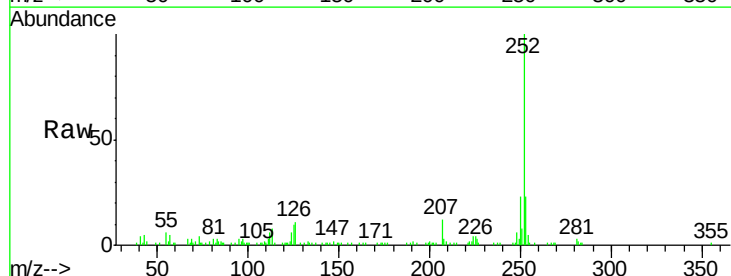
Instrument :
BNA_F
ClientSampleId :
S4-B007(1-2)

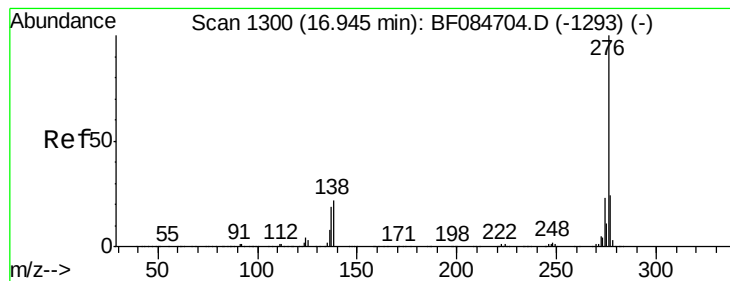
Tgt Ion:252 Resp: 87120
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 11.2 9.0 13.6



#89
Benzo(a)pyrene
Concen: 3.01 ng
RT: 15.12 min Scan# 1140
Delta R.T. -0.03 min
Lab File: BF084885.D
Acq: 6 Feb 2016 3:00

Tgt Ion:252 Resp: 55010
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 10.2 7.0 10.4





#91

Benzo(g,h,i)perylene

Concen: 2.64 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.07 min

Lab File: BF084885.D

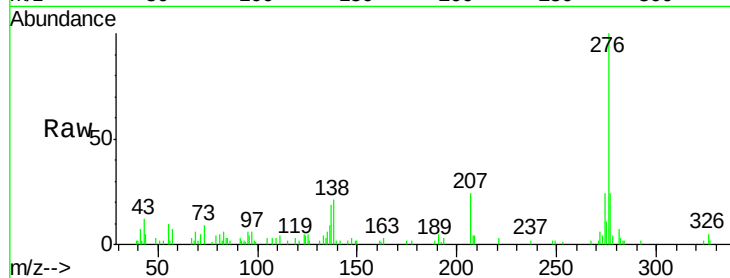
Acq: 6 Feb 2016 3:00

Instrument :

BNA_F

ClientSampleId :

S4-B007(1-2)



Tgt Ion:	276	Resp:	40865
Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	20.8	17.8	26.6

