

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084890.D
 Acq On : 6 Feb 2016 5:18
 Operator : SJ/IZ
 Sample : H1329-12 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

Quant Time: Feb 07 23:55:58 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

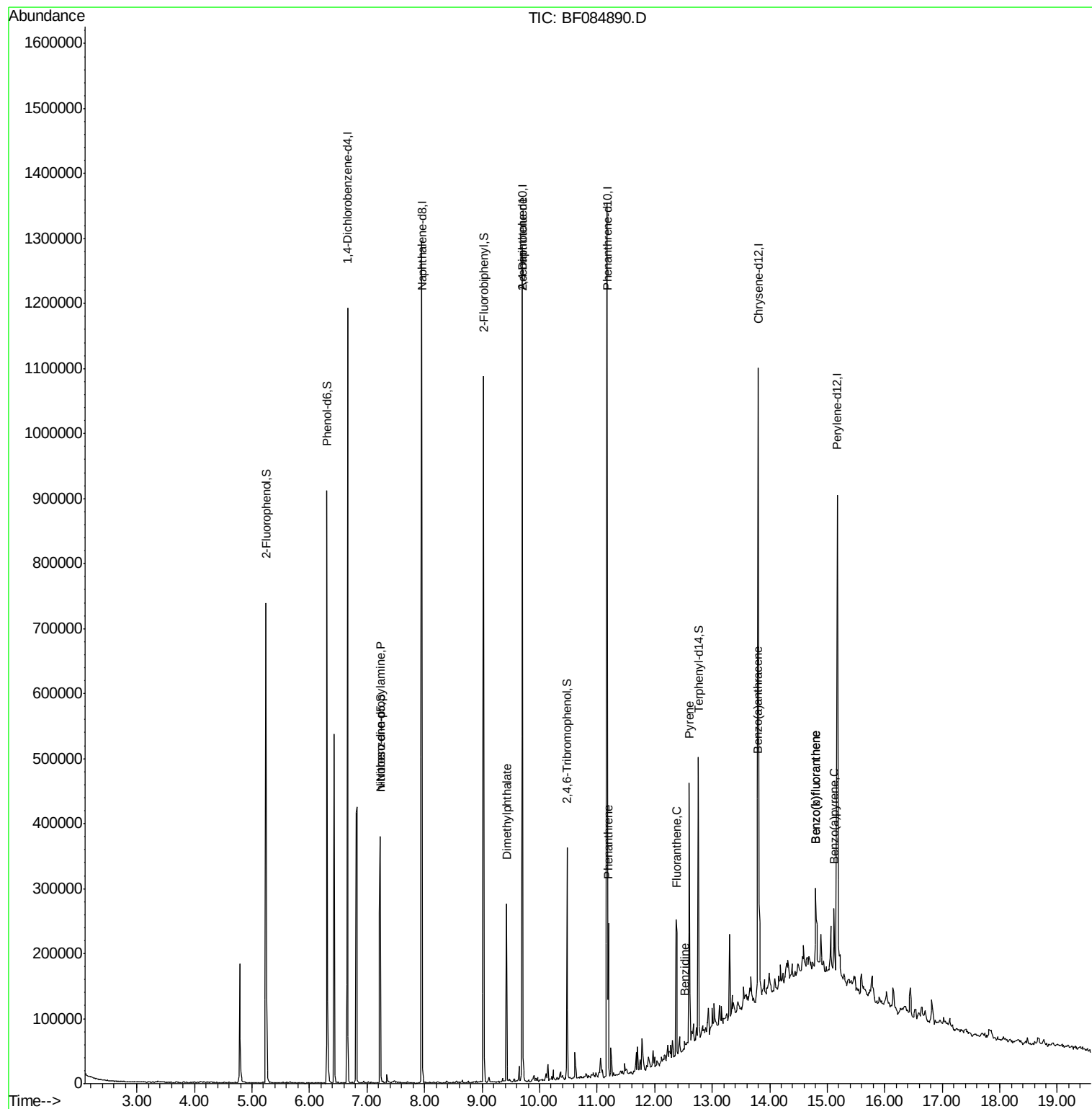
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	157526	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	637868	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	271727	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	453919	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	313738	20.00	ng	-0.03
86) Perylene-d12	15.17	264	316709	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	209420	20.71	ng	-0.03
7) Phenol-d6	6.30	99	277233	22.11	ng	-0.03
23) Nitrobenzene-d5	7.23	82	155212	13.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	37989	13.40	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	306934	14.08	ng	-0.03
78) Terphenyl-d14	12.76	244	192407	13.90	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	19517	2.48	ng	# 76
49) Dimethylphthalate	9.42	163	99582	4.81	ng	# 90
56) 2,4-Dinitrotoluene	9.70	165	35054	6.08	ng	# 22
70) Phenanthrene	11.20	178	82140	3.26	ng	99
74) Fluoranthene	12.39	202	123979	4.87	ng	91
76) Benzidine	12.52	184	219	6.90	ng	# 66
77) Pyrene	12.60	202	119670	4.98	ng	99
80) Benzo(a)anthracene	13.79	228	56871	2.92	ng	94
87) Benzo(b)fluoranthene	14.80	252	74834	3.52	ng	# 92
88) Benzo(k)fluoranthene	14.80	252	74834	4.25	ng	# 95
89) Benzo(a)pyrene	15.12	252	41859	2.31	ng	# 90

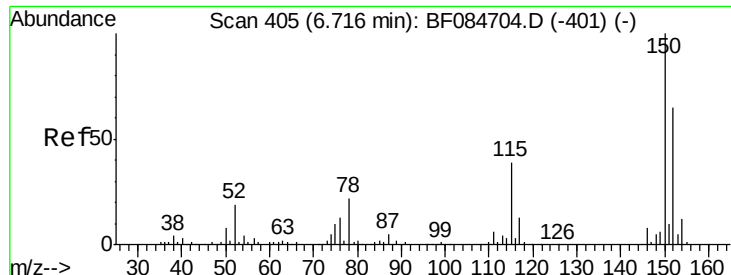
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

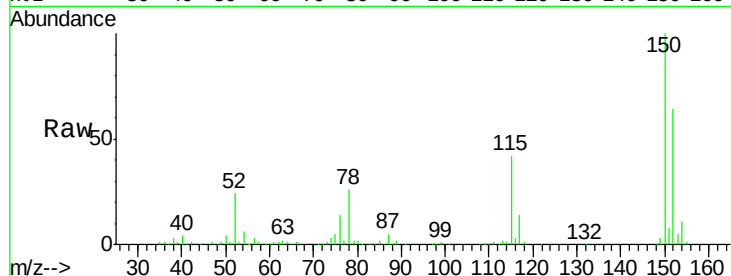
Tgt Ion:152 Resp: 157526

Ion Ratio Lower Upper

152 100

150 157.1 123.0 184.4

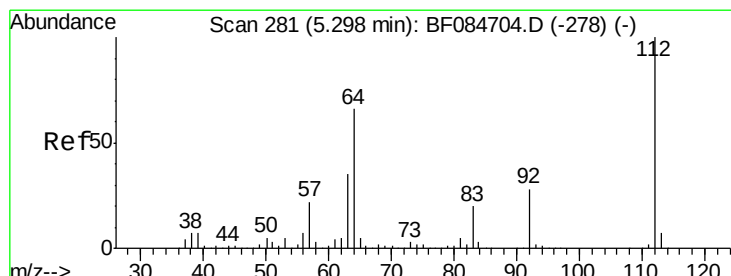
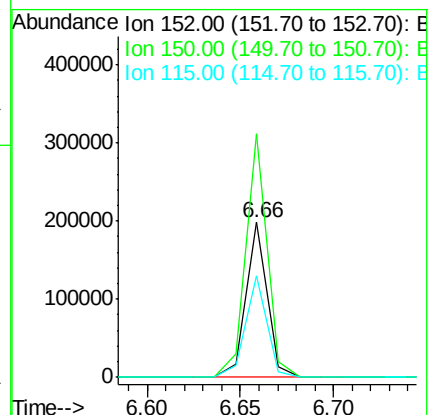
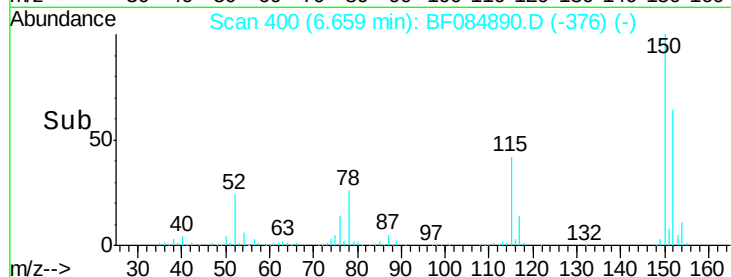
115 65.7 51.4 77.2



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: 20.71 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

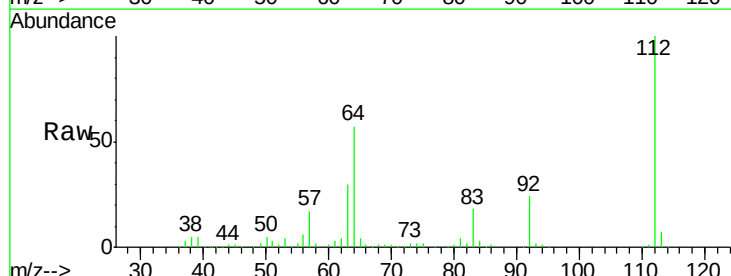
Tgt Ion:112 Resp: 209420

Ion Ratio Lower Upper

112 100

64 56.6 36.6 55.0#

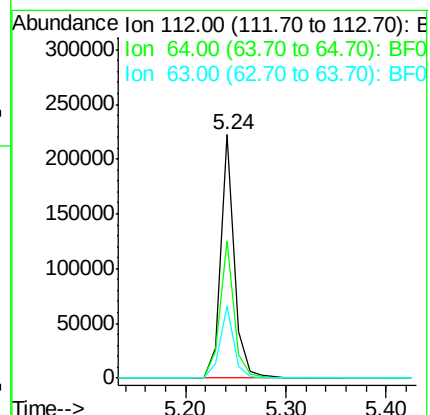
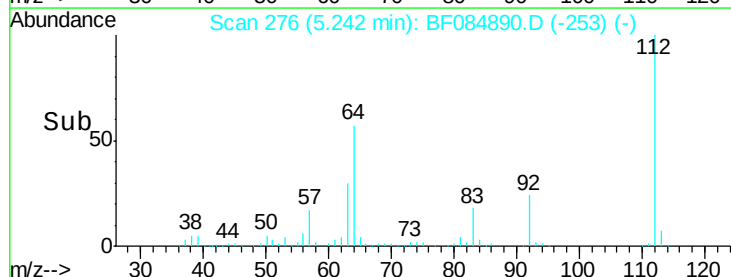
63 29.5 19.4 29.0#

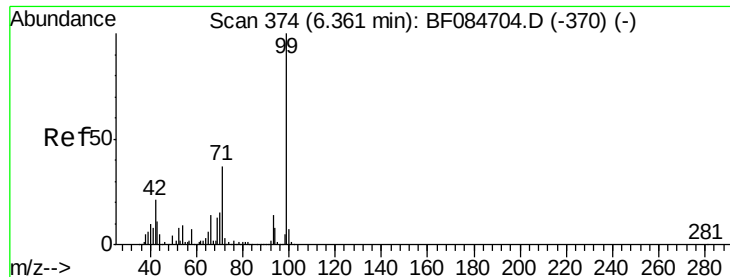


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.11 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

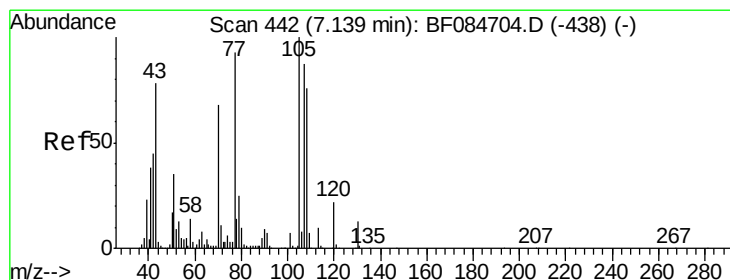
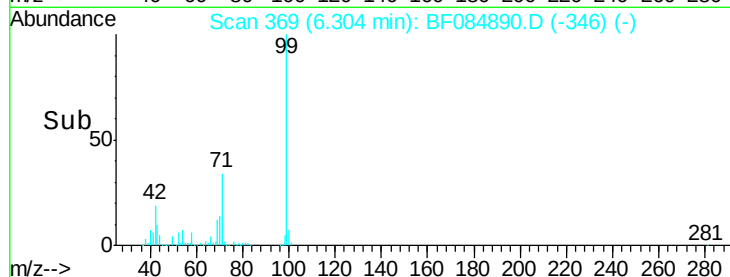
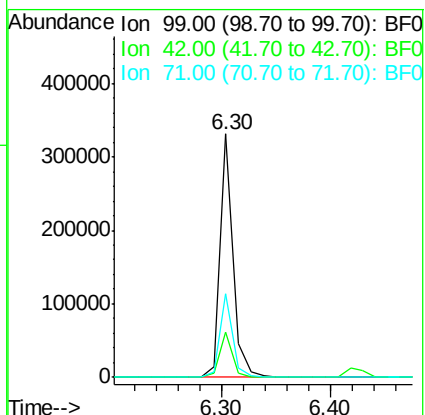
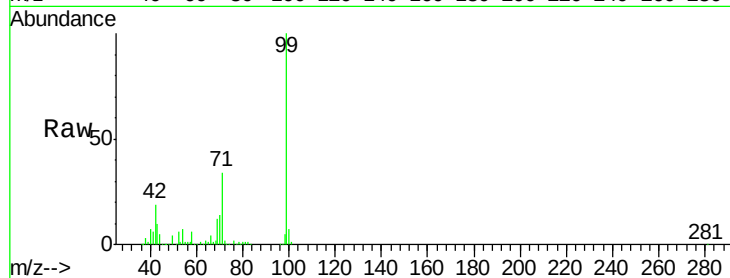
Tgt Ion: 99 Resp: 277233

Ion Ratio Lower Upper

99 100

42 18.6 12.8 19.2

71 34.3 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.48 ng

RT: 7.23 min Scan# 450

Delta R.T. 0.11 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Tgt Ion: 70 Resp: 19517

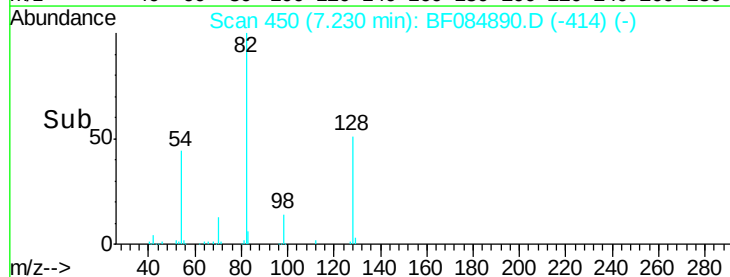
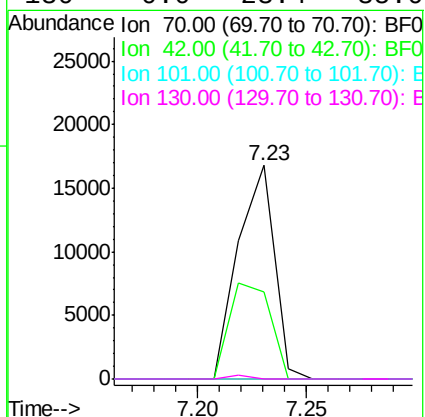
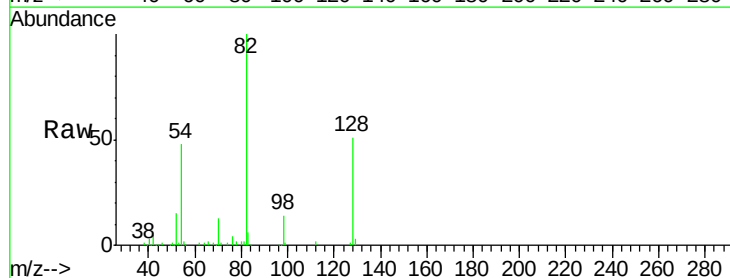
Ion Ratio Lower Upper

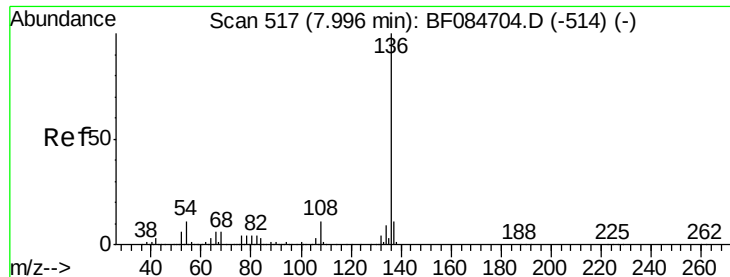
70 100

42 41.0 33.3 49.9

101 0.0 9.3 13.9#

130 0.0 23.4 35.0#

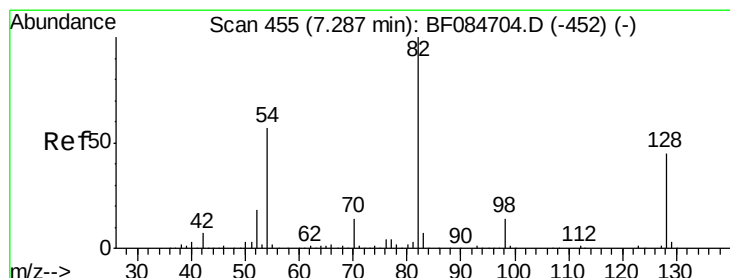
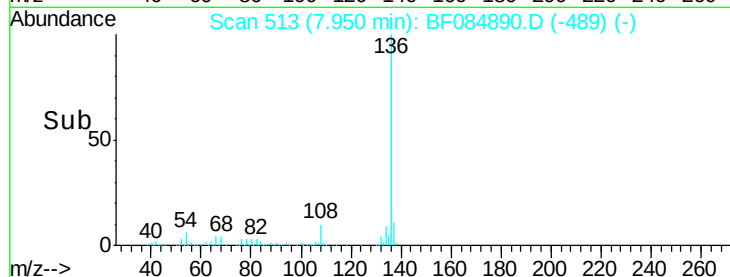
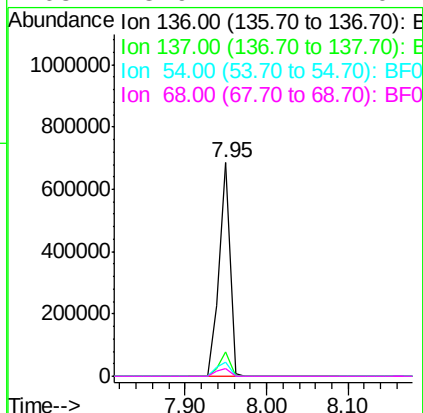
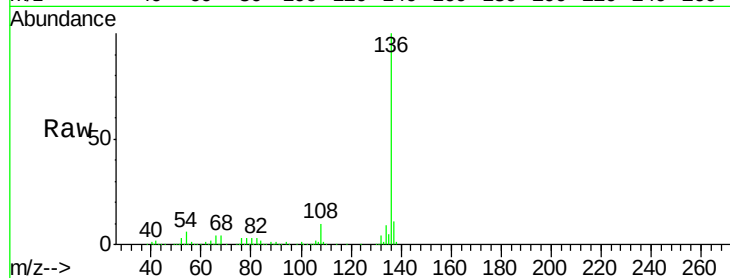




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.02 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

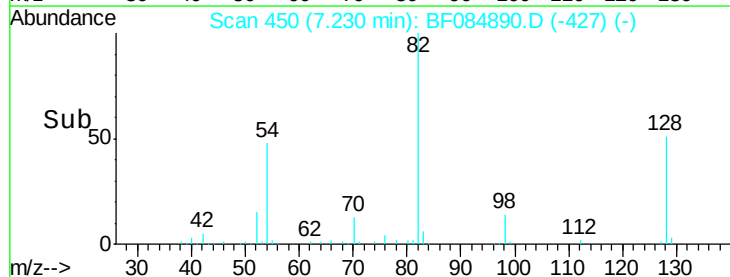
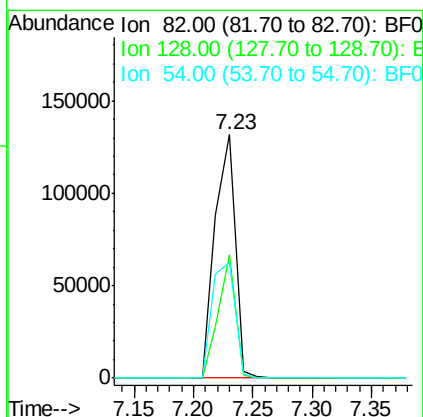
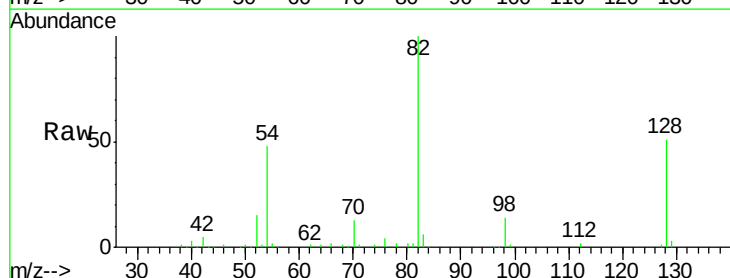
Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

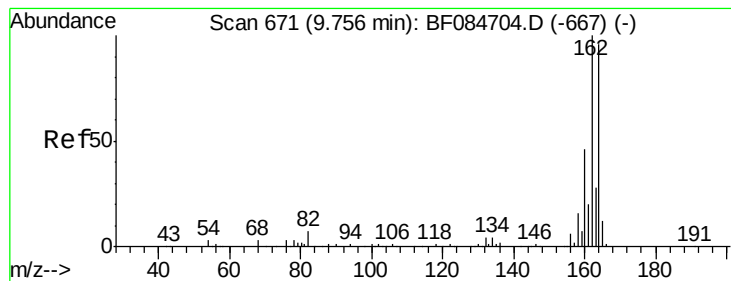
Tgt Ion:	136	Resp:	637868
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.7	13.1
54	6.5	5.8	8.8
68	3.9	4.2	6.2#



#23
Nitrobenzene-d5
Concen: 13.71 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.03 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

Tgt Ion:	82	Resp:	155212
Ion Ratio	Lower	Upper	
82	100		
128	50.7	34.6	51.8
54	47.6	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: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

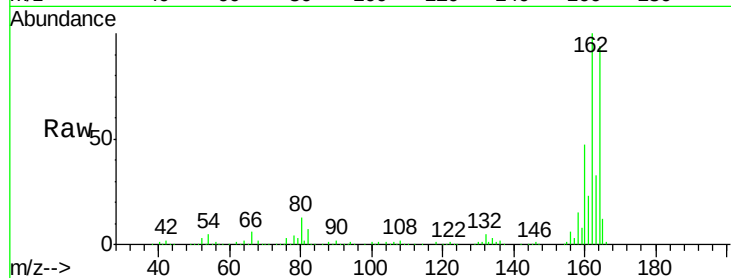
Tgt Ion:164 Resp: 271727

Ion Ratio Lower Upper

164 100

162 106.1 85.1 127.7

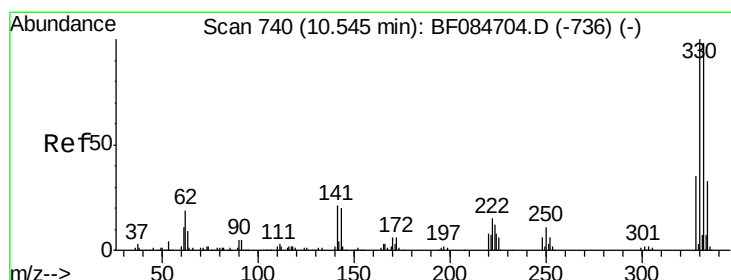
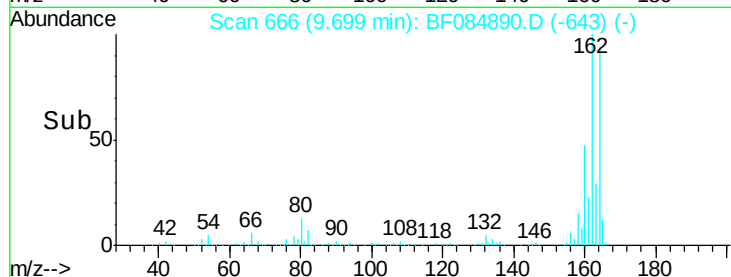
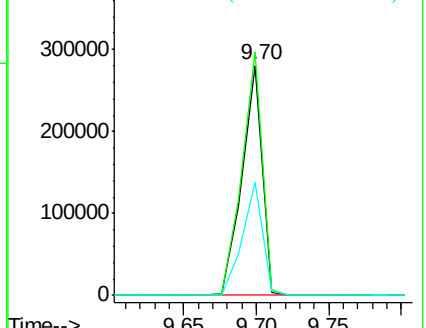
160 49.5 37.5 56.3



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: 13.40 ng

RT: 10.48 min Scan# 734

Delta R.T. -0.05 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

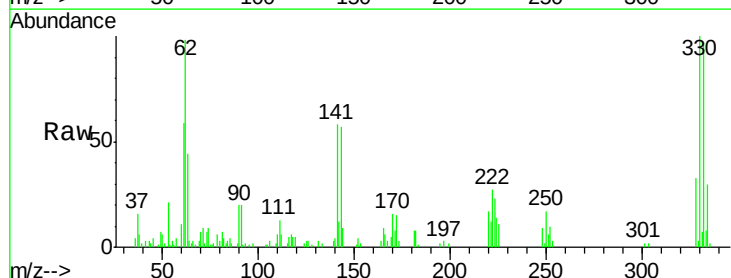
Tgt Ion:330 Resp: 37989

Ion Ratio Lower Upper

330 100

332 97.1 76.6 114.8

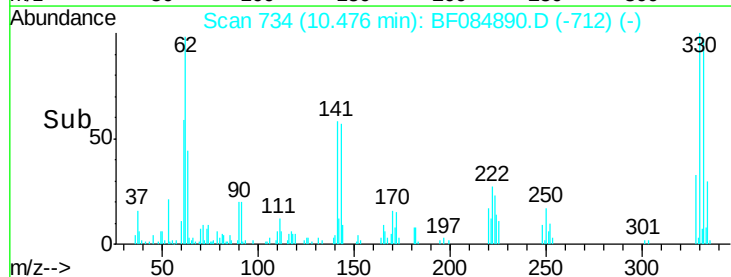
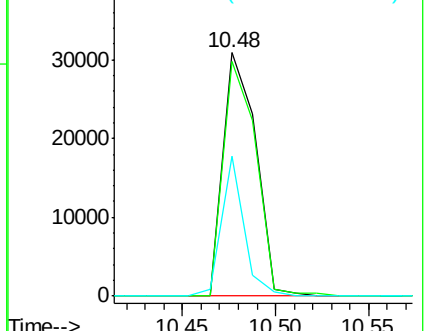
141 39.3 27.8 41.6

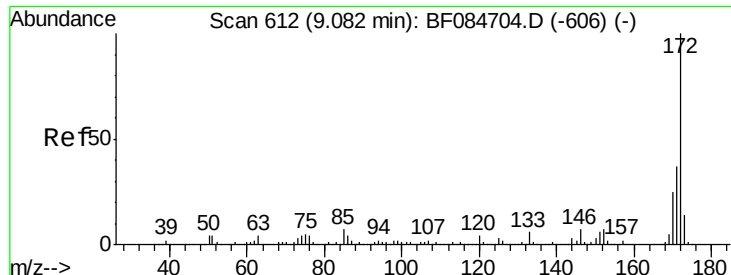


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

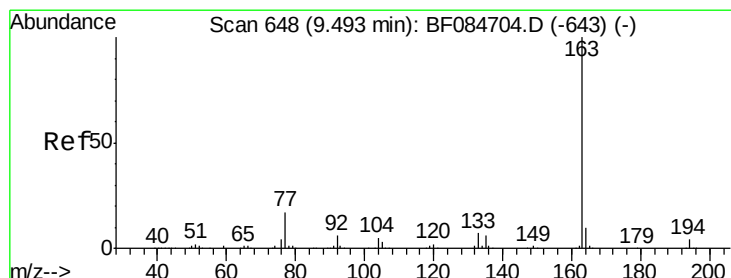
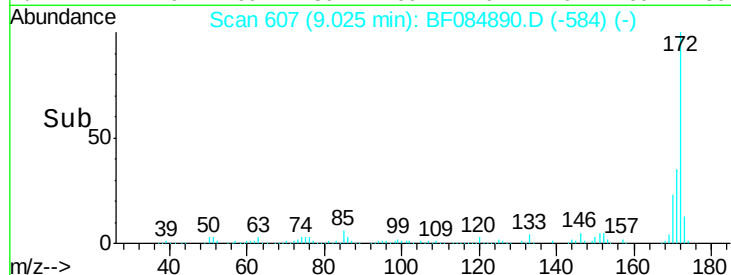
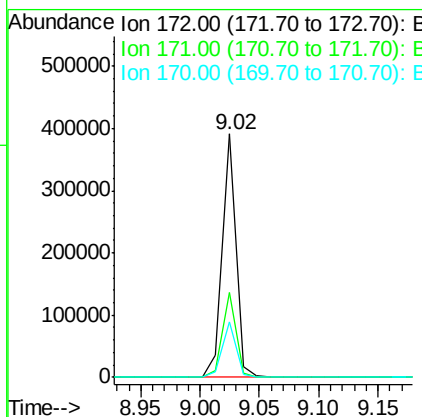
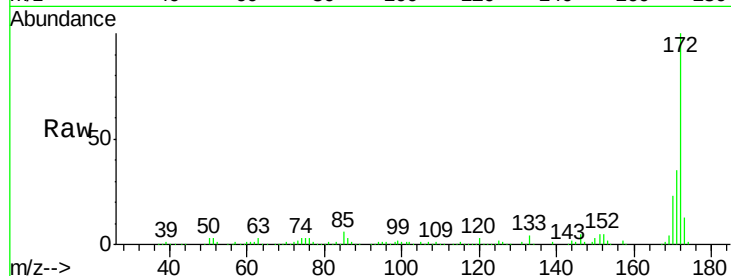




#44
 2-Fluorobiphenyl
 Concen: 14.08 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084890.D
 Acq: 6 Feb 2016 5:18

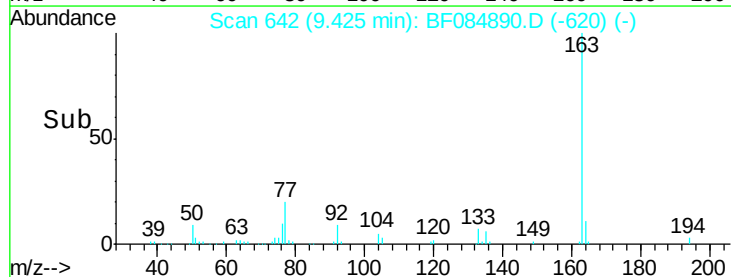
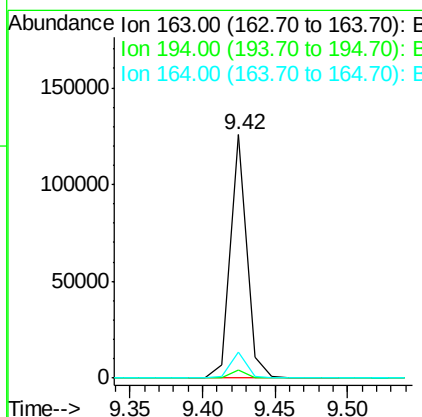
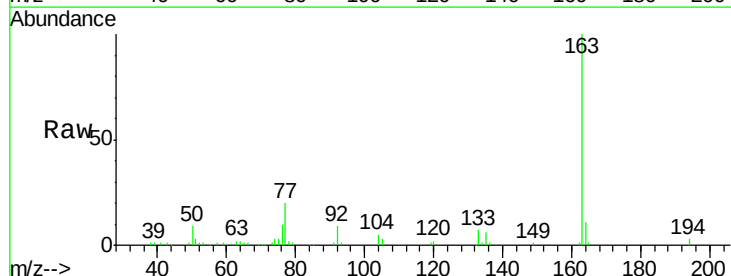
Instrument :
 BNA_F
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 S4-B010(0-2)

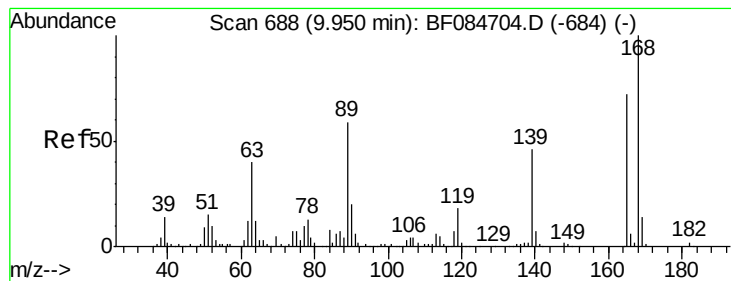
Tgt Ion:172 Resp: 306934
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.9 43.3
 170 22.8 18.6 27.8



#49
 Dimethylphthalate
 Concen: 4.81 ng
 RT: 9.42 min Scan# 642
 Delta R.T. -0.05 min
 Lab File: BF084890.D
 Acq: 6 Feb 2016 5:18

Tgt Ion:163 Resp: 99582
 Ion Ratio Lower Upper
 163 100
 194 3.2 8.0 12.0#
 164 10.7 8.0 12.0

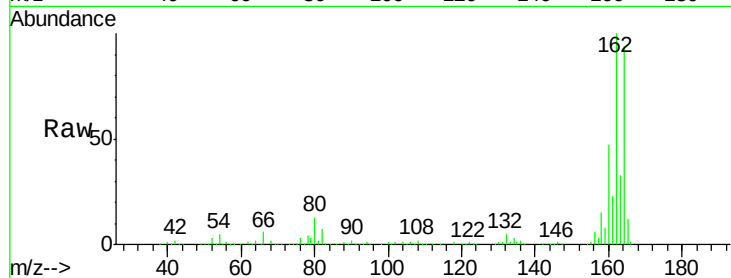




#56
 2,4-Dinitrotoluene
 Concen: 6.08 ng
 RT: 9.70 min Scan# 666
 Delta R.T. -0.23 min
 Lab File: BF084890.D
 Acq: 6 Feb 2016 5:18

Instrument :
 BNA_F
 ClientSampleId :
 S4-B010(0-2)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.7	55.1#
89	1.6	61.9	92.9#
182	0.0	2.0	3.0#

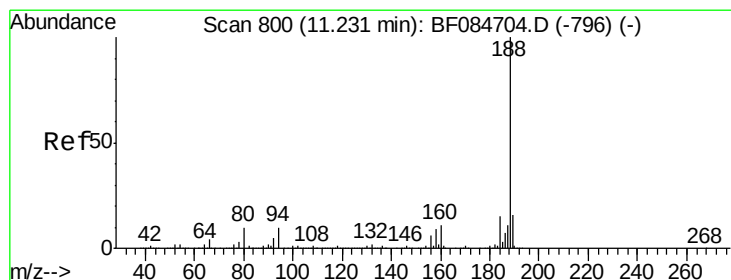
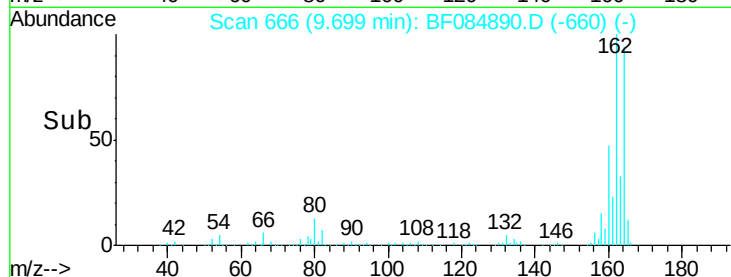
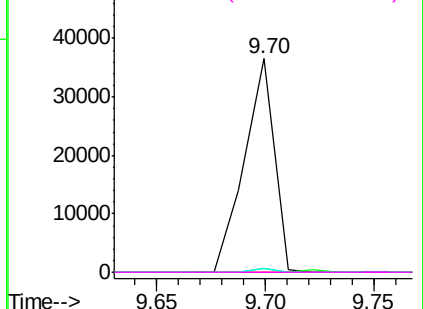


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

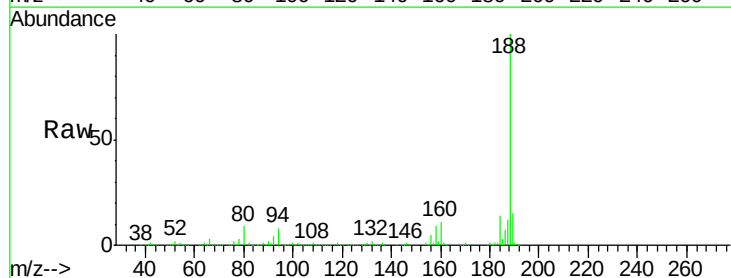
Ion 89.00 (88.70 to 89.70): BF0

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: BF084890.D
 Acq: 6 Feb 2016 5:18

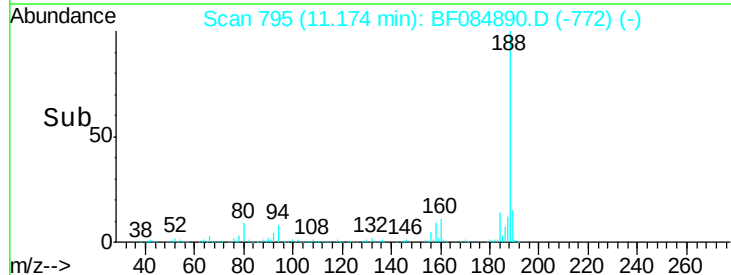
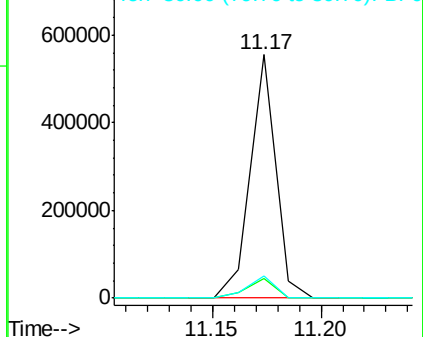
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	9.0	13.4#
80	8.9	9.6	14.4#

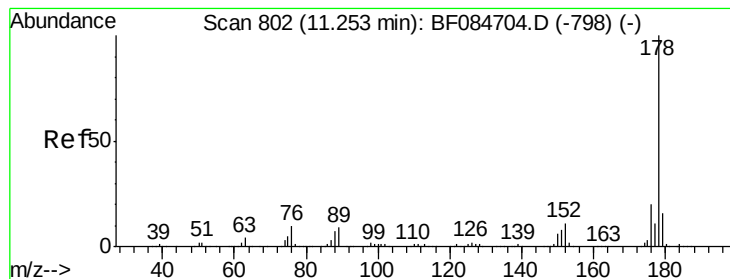


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.26 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

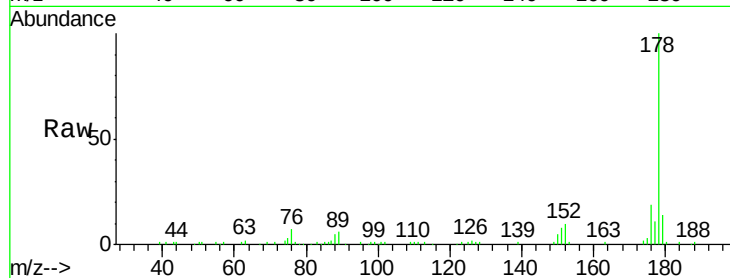
Tgt Ion:178 Resp: 82140

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

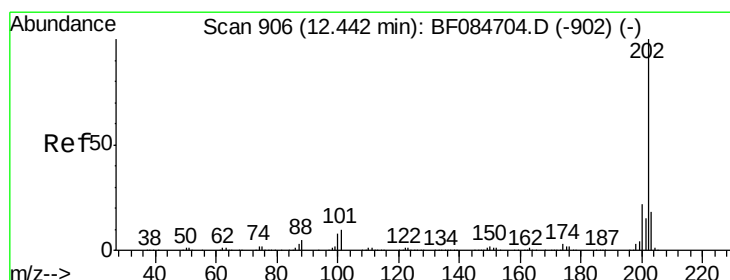
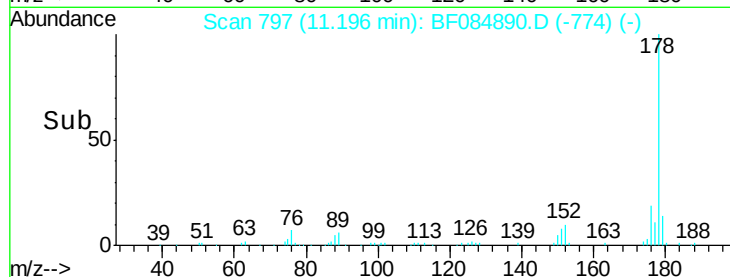
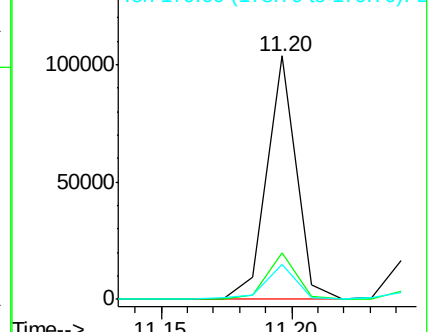
179 14.4 12.0 18.0



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: 4.87 ng

RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

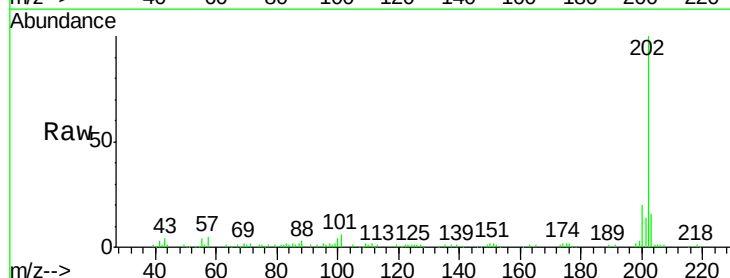
Tgt Ion:202 Resp: 123979

Ion Ratio Lower Upper

202 100

101 6.5 0.0 32.8

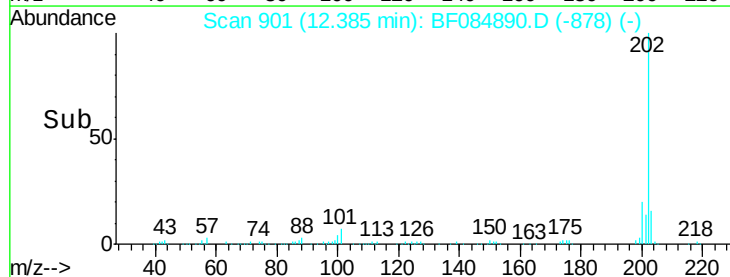
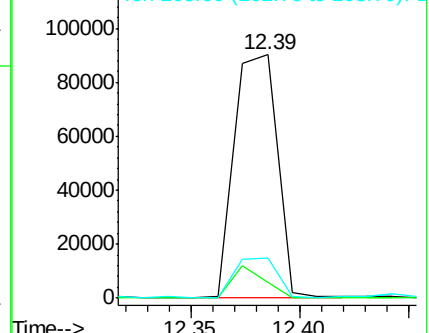
203 16.3 0.0 37.9

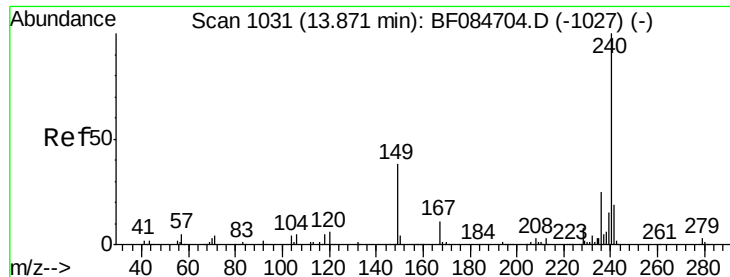


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

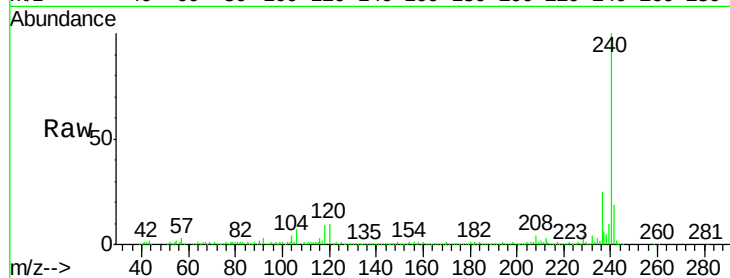
Tgt Ion:240 Resp: 313738

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

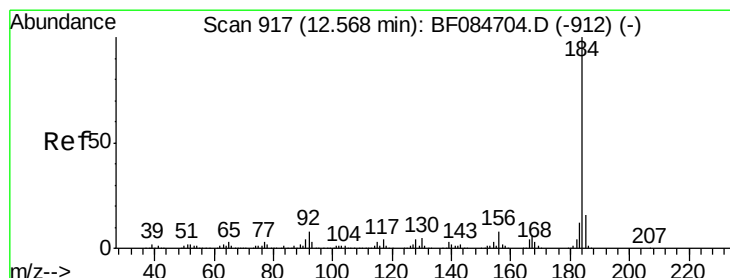
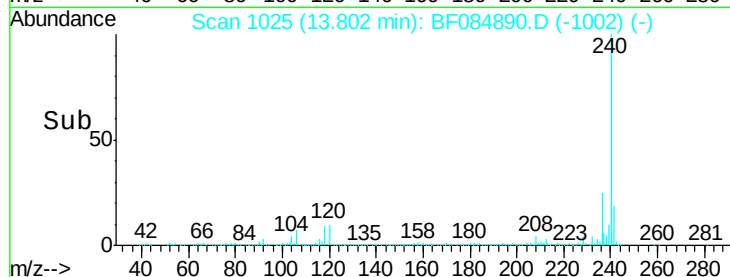
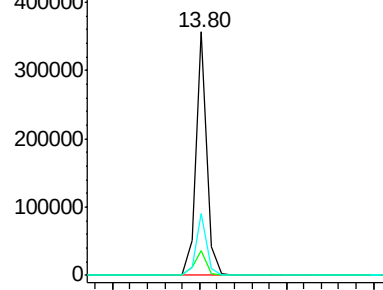
236 25.3 20.6 31.0



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: 6.90 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

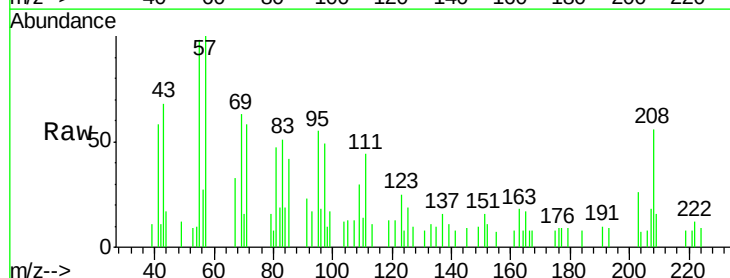
Tgt Ion:184 Resp: 219

Ion Ratio Lower Upper

184 100

185 0.0 12.2 18.2#

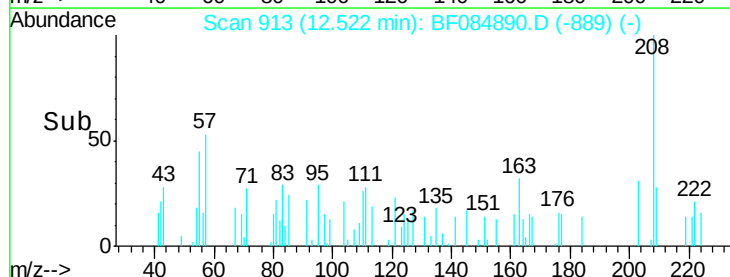
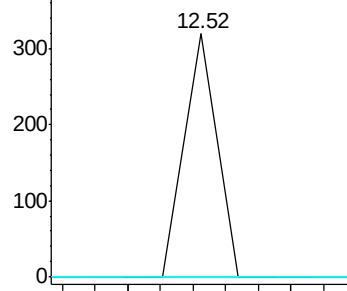
183 0.0 9.8 14.8#

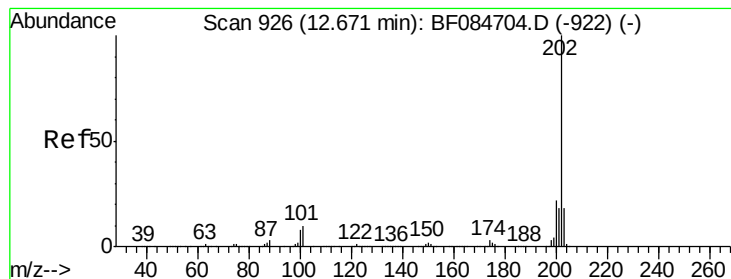


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.98 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

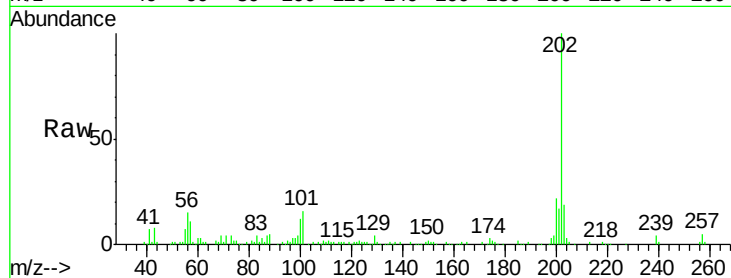
Tgt Ion:202 Resp: 119670

Ion Ratio Lower Upper

202 100

200 21.6 17.2 25.8

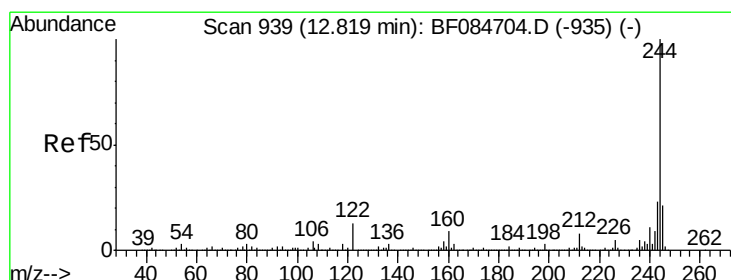
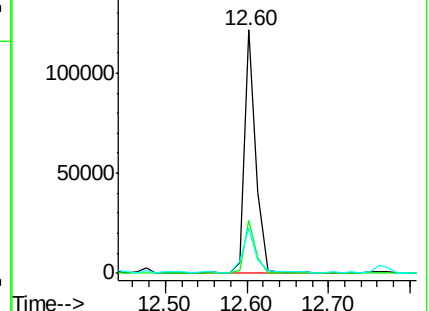
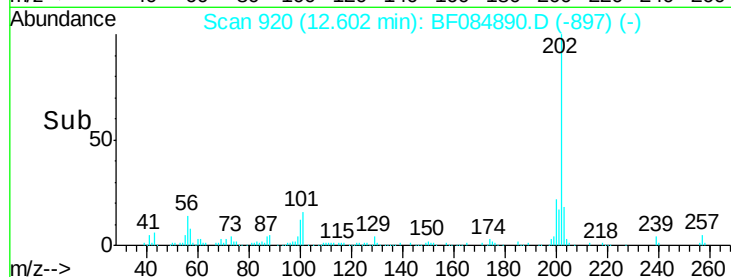
203 18.6 14.3 21.5



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: 13.90 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

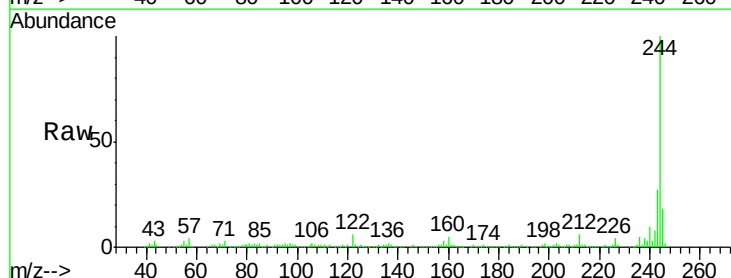
Tgt Ion:244 Resp: 192407

Ion Ratio Lower Upper

244 100

212 6.1 5.7 8.5

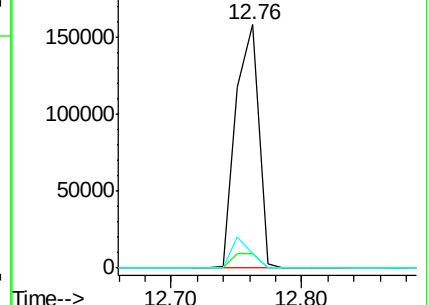
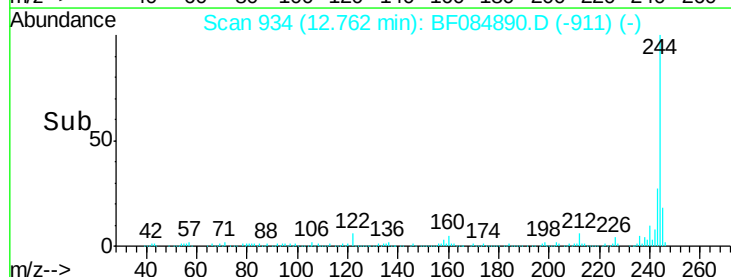
122 6.2 7.4 11.0#

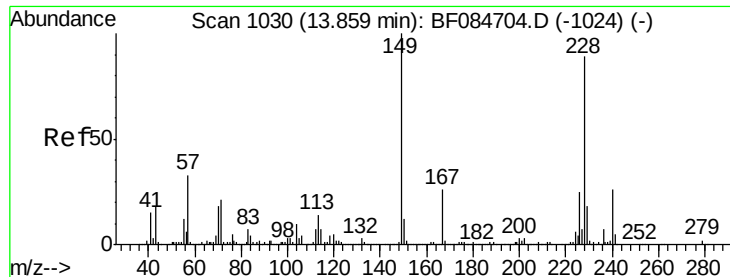


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.92 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

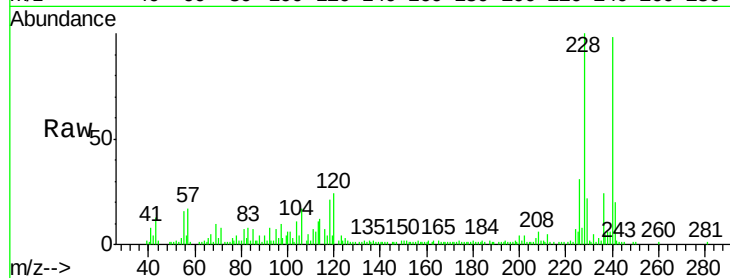
Tgt Ion:228 Resp: 56871

Ion Ratio Lower Upper

228 100

226 31.0 21.8 32.6

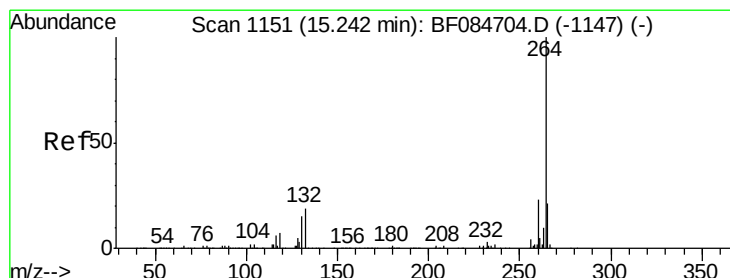
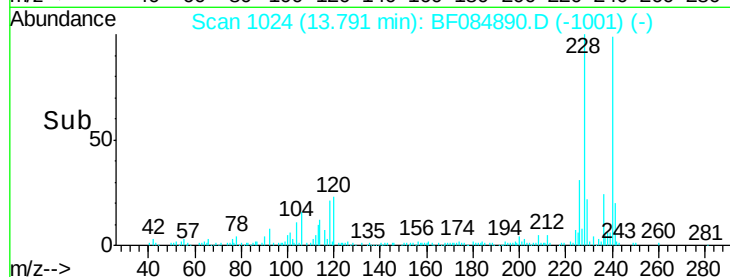
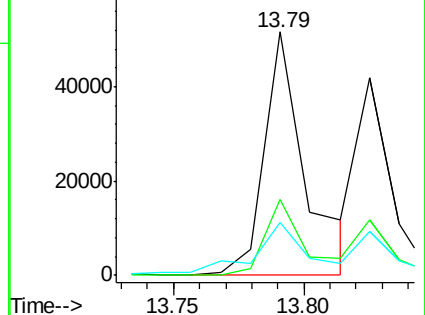
229 21.5 15.8 23.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

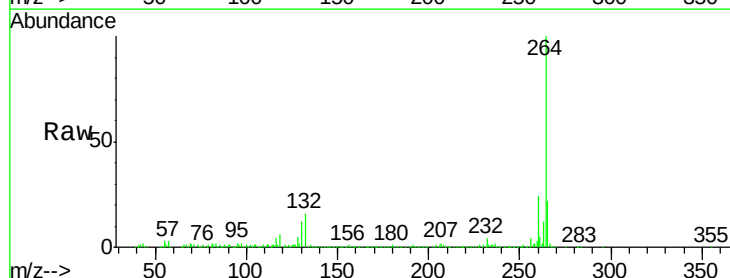
Tgt Ion:264 Resp: 316709

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

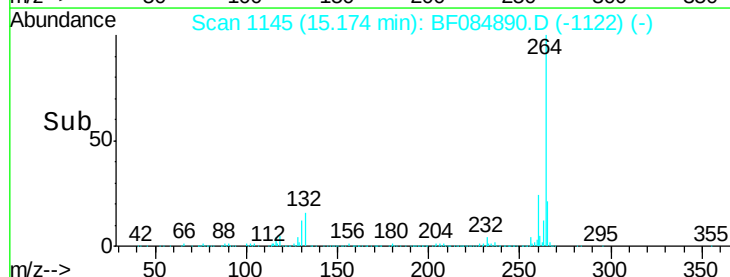
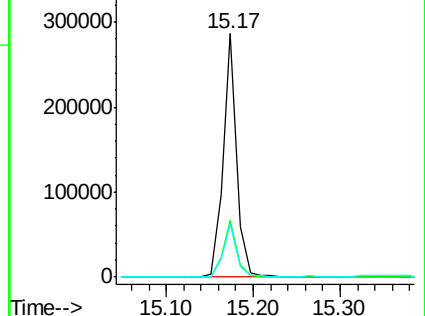
265 21.6 17.8 26.6

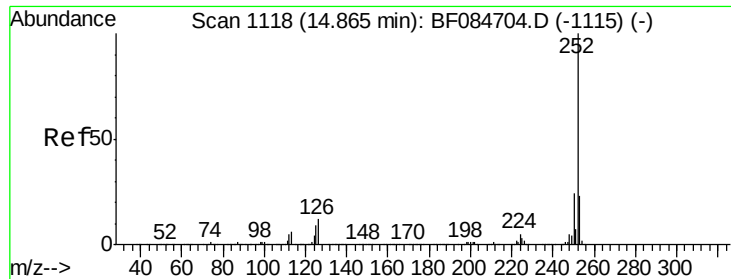


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

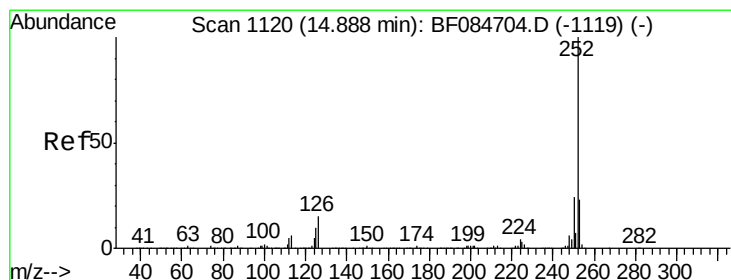
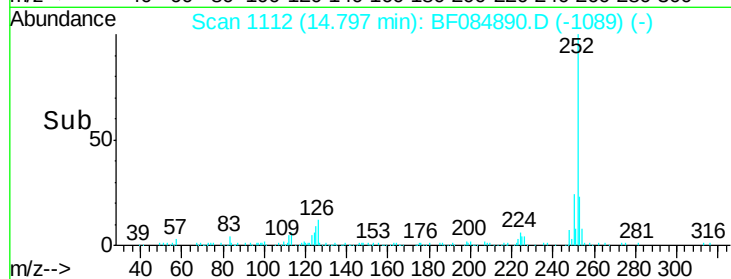
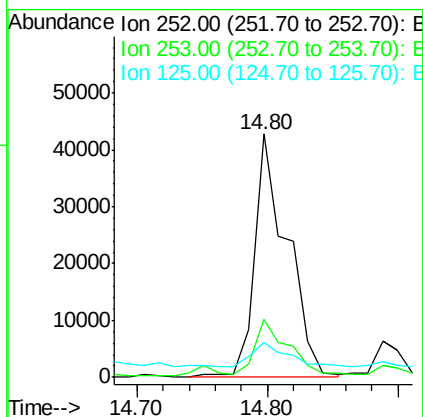
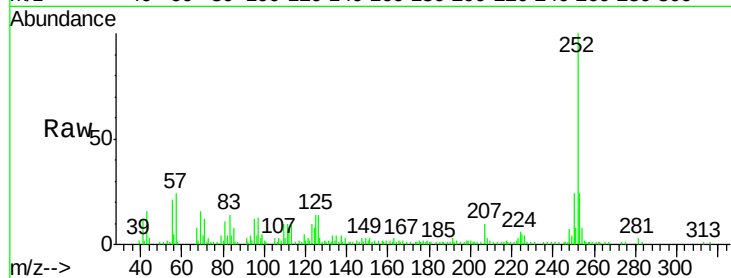




#87
Benzo(b)fluoranthene
Concen: 3.52 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.03 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

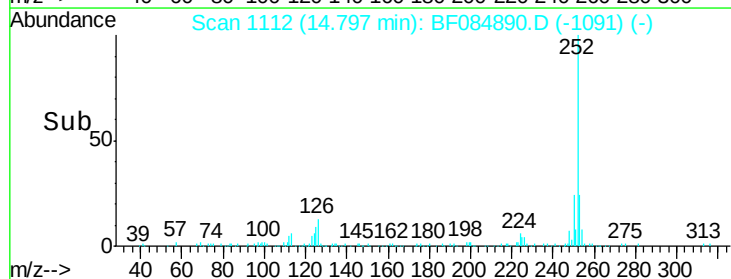
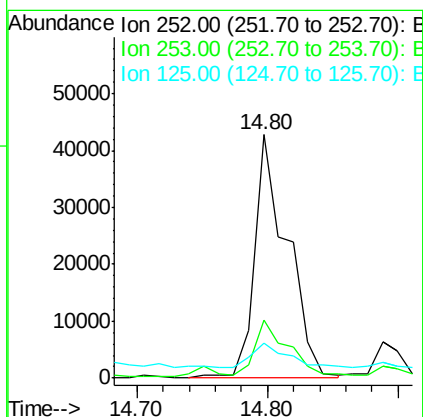
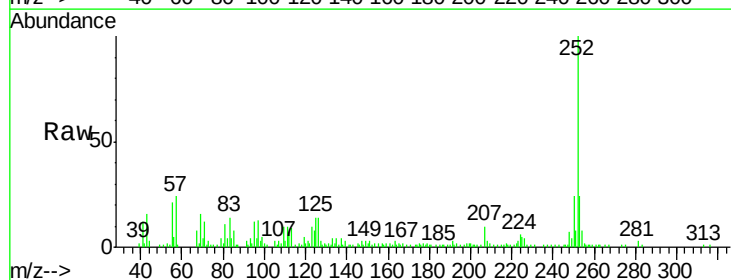
Instrument :
BNA_F
ClientSampleId :
S4-B010(0-2)

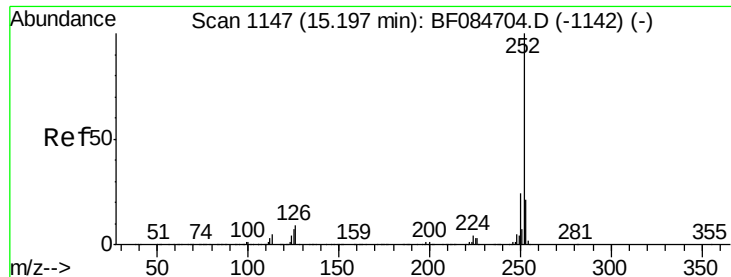
Tgt Ion:252 Resp: 74834
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 14.4 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 4.25 ng
RT: 14.80 min Scan# 1112
Delta R.T. -0.06 min
Lab File: BF084890.D
Acq: 6 Feb 2016 5:18

Tgt Ion:252 Resp: 74834
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 14.4 9.0 13.6#





#89

Benzo(a)pyrene

Concen: 2.31 ng

RT: 15.12 min Scan# 1140

Delta R.T. -0.03 min

Lab File: BF084890.D

Acq: 6 Feb 2016 5:18

Instrument :

BNA_F

ClientSampleId :

S4-B010(0-2)

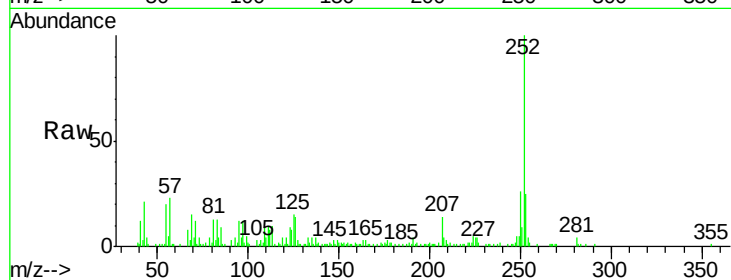
Tgt Ion: 252 Resp: 41859

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 15.2 7.0 10.4#



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

