

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020516\
 Data File : BF084891.D
 Acq On : 6 Feb 2016 5:46
 Operator : SJ/IZ
 Sample : H1329-18 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(0-2)

Quant Time: Feb 08 00:30:09 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

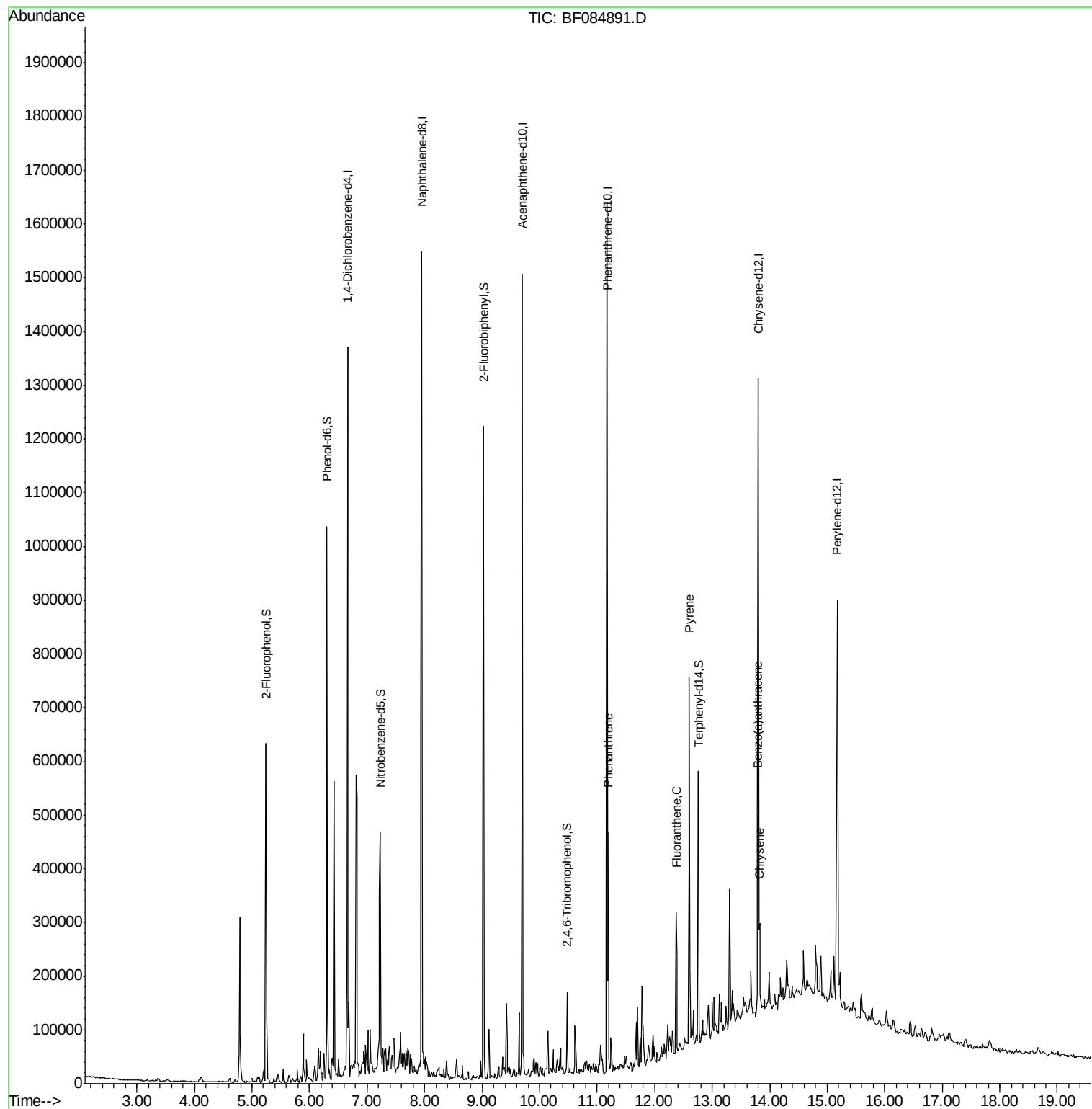
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	180359	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	731113	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	314483	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	532875	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	374516	20.00	ng	-0.03
86) Perylene-d12	15.17	264	327664	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	173120	14.95	ng	-0.03
7) Phenol-d6	6.30	99	306859	21.38	ng	-0.03
23) Nitrobenzene-d5	7.23	82	181634	13.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.48	330	15858	4.83	ng	-0.05
44) 2-Fluorobiphenyl	9.02	172	337433	13.29	ng	-0.03
78) Terphenyl-d14	12.76	244	224917	13.61	ng	-0.03
Target Compounds						Qvalue
70) Phenanthrene	11.20	178	152710	5.17	ng	99
74) Fluoranthene	12.37	202	126891	4.24	ng	98
77) Pyrene	12.60	202	199886	6.97	ng	98
80) Benzo(a)anthracene	13.79	228	65711	2.83	ng	99
82) Chrysene	13.83	228	46693	2.07	ng	95

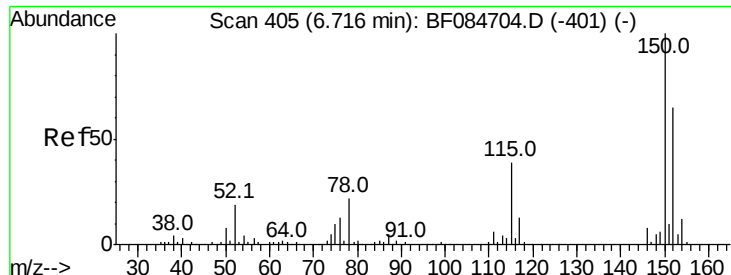
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF084891.D

Acq: 6 Feb 2016 5:46

Instrument :

BNA_F

ClientSampleId :

S4-B004(0-2)

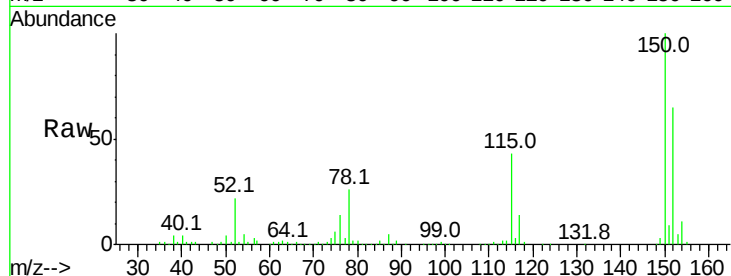
Tot Ion:152 Resp: 180359

Ion Ratio Lower Upper

152 100

150 154.8 123.0 184.4

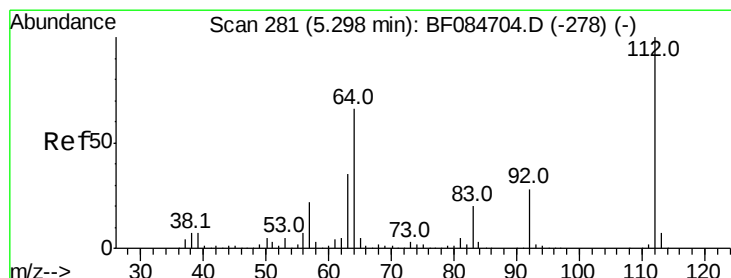
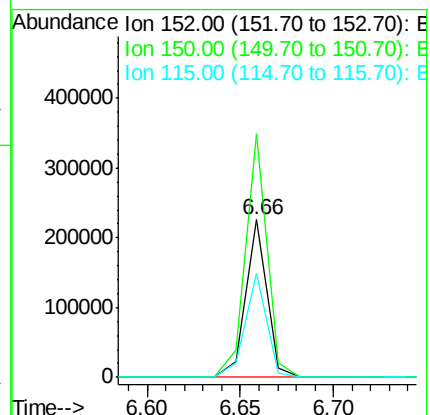
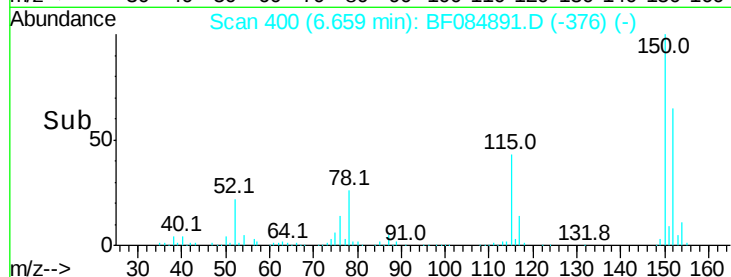
115 66.1 51.4 77.2



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: 14.95 ng

RT: 5.24 min Scan# 276

Delta R.T. -0.03 min

Lab File: BF084891.D

Acq: 6 Feb 2016 5:46

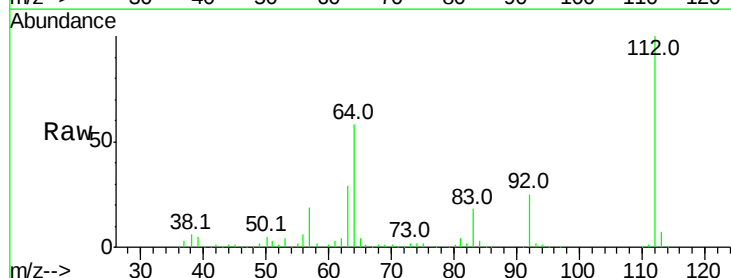
Tgt Ion:112 Resp: 173120

Ion Ratio Lower Upper

112 100

64 57.5 36.6 55.0#

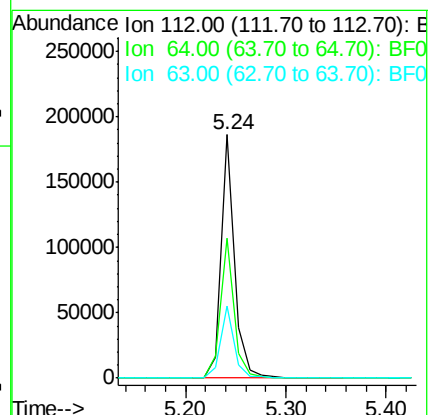
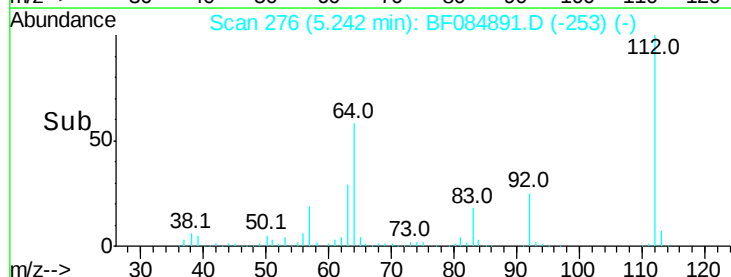
63 29.4 19.4 29.0#

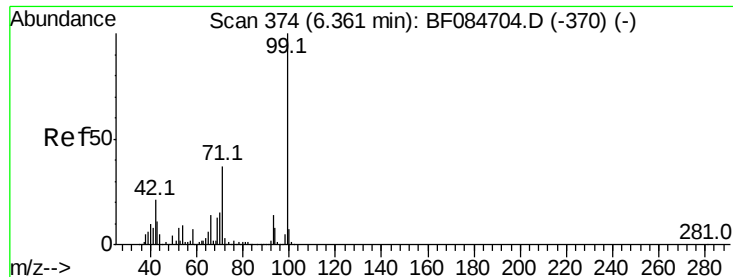


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 21.38 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084891.D

Acq: 6 Feb 2016 5:46

Instrument :

BNA_F

ClientSampleId :

S4-B004(0-2)

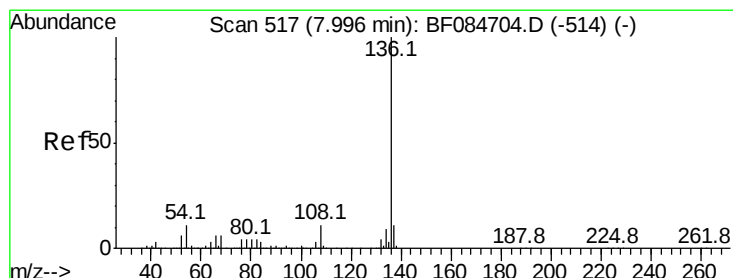
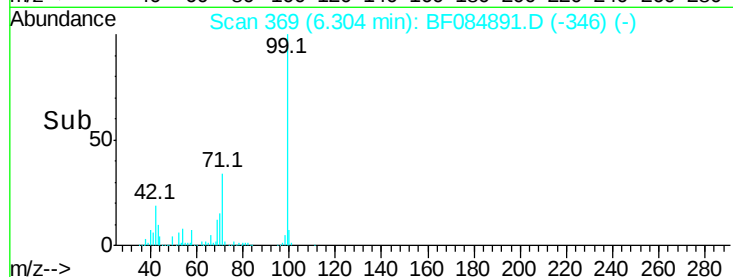
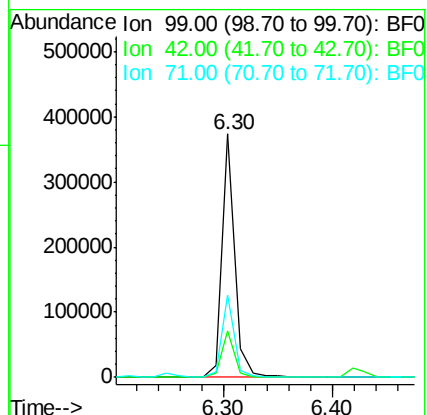
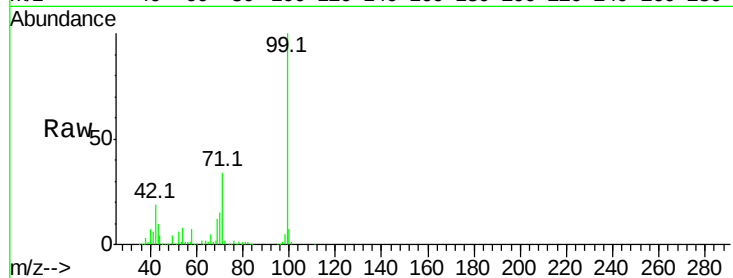
Tot Ion: 99 Resp: 306859

Ion Ratio Lower Upper

99 100

42 18.8 12.8 19.2

71 33.8 30.9 46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084891.D

Acq: 6 Feb 2016 5:46

Tgt Ion: 136 Resp: 731113

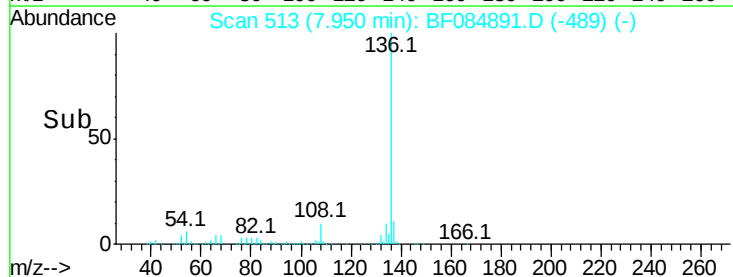
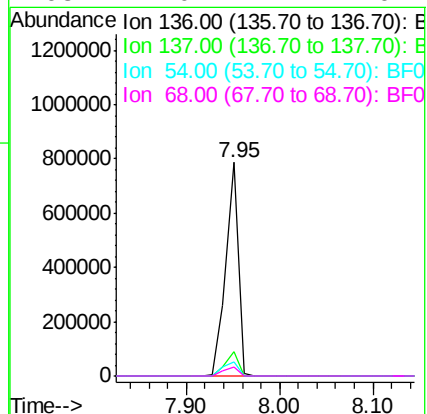
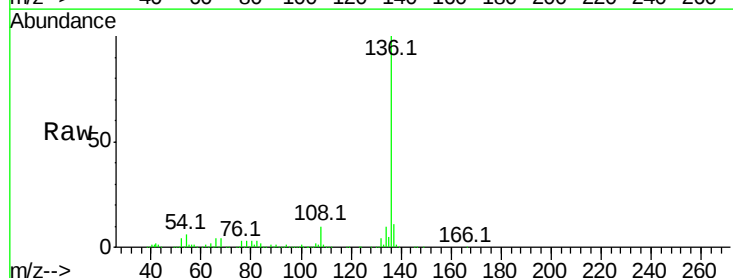
Ion Ratio Lower Upper

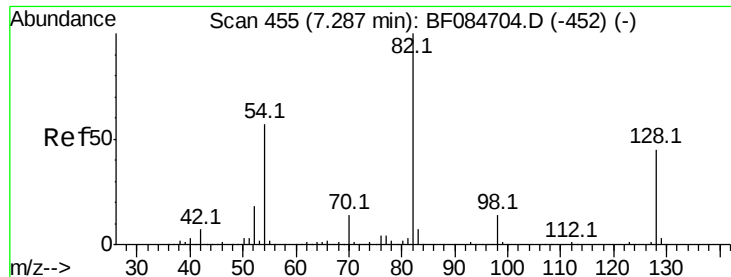
136 100

137 11.1 8.7 13.1

54 6.5 5.8 8.8

68 4.0 4.2 6.2#





#23

Nitrobenzene-d5

Concen: 13.99 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.03 min

Lab File: BF084891.D

Acq: 6 Feb 2016 5:46

Instrument :

BNA_F

ClientSampleId :

S4-B004(0-2)

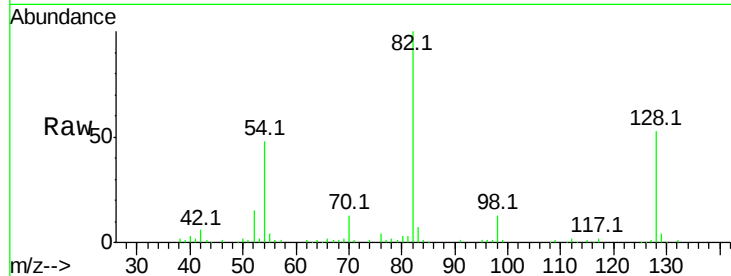
Tot Ion: 82 Resp: 181634

Ion Ratio Lower Upper

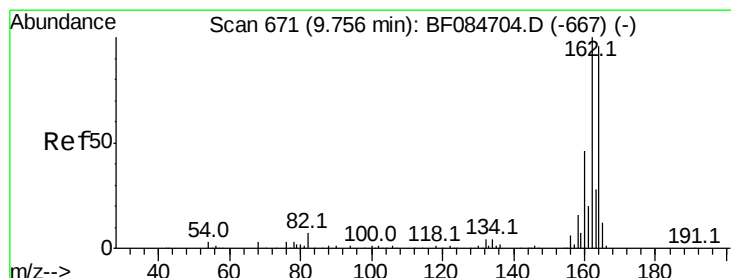
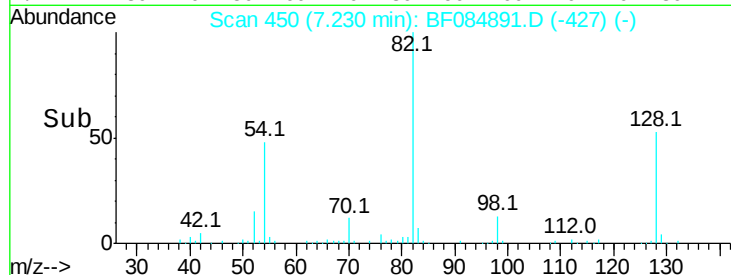
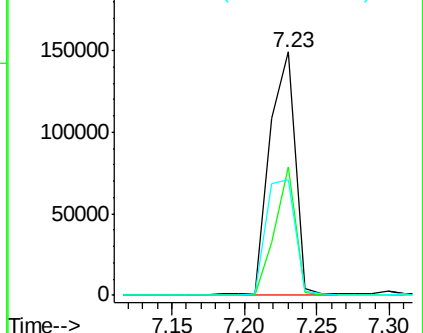
82 100

128 52.5 34.6 51.8#

54 47.7 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084891.D

Acq: 6 Feb 2016 5:46

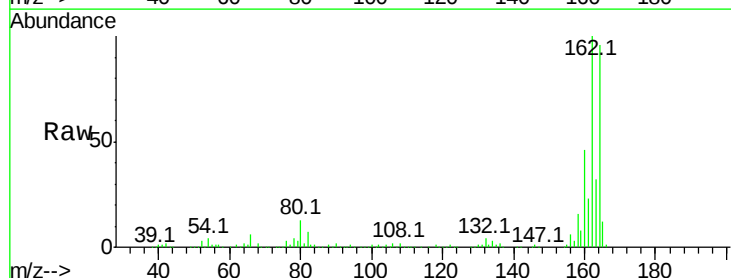
Tgt Ion:164 Resp: 314483

Ion Ratio Lower Upper

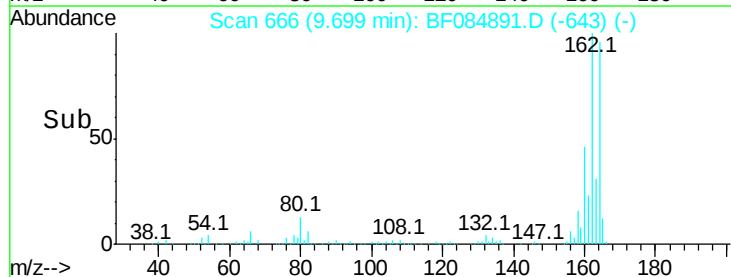
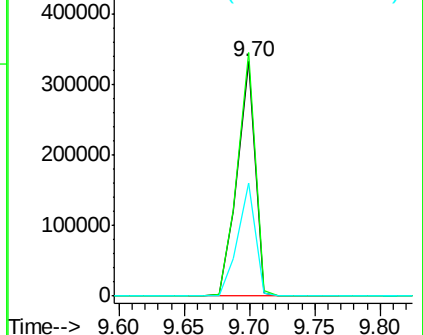
164 100

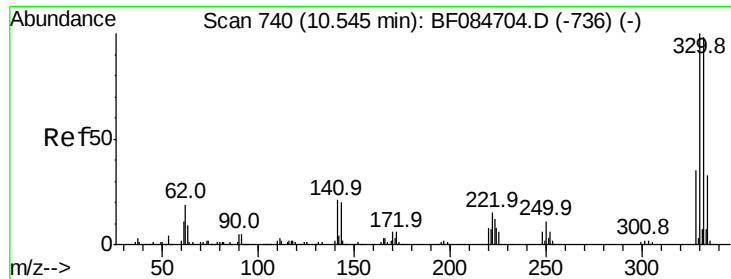
162 103.9 85.1 127.7

160 48.1 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

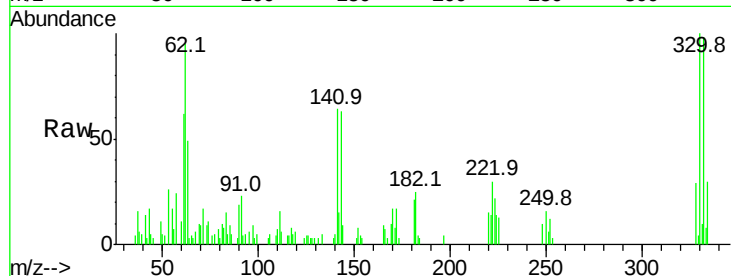




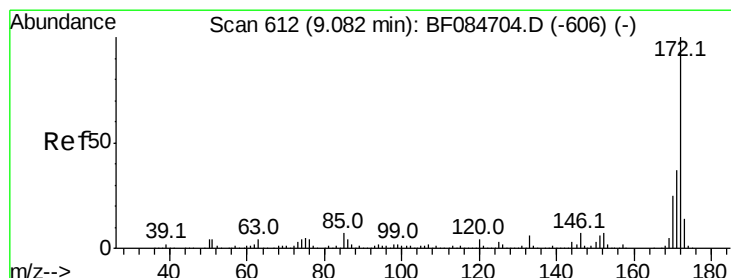
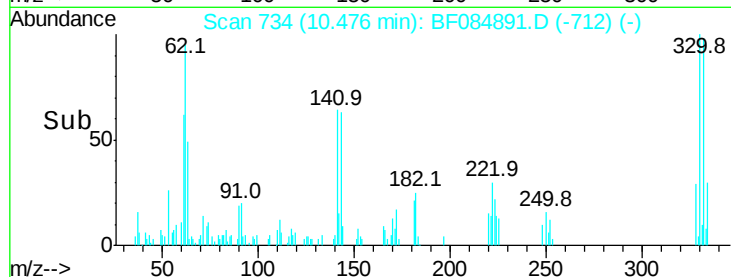
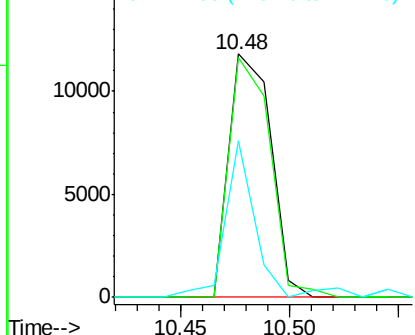
#41
 2,4,6-Tribromophenol
 Concen: 4.83 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084891.D
 Acq: 6 Feb 2016 5:46

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(0-2)

Tot Ion:330 Resp: 15858
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 44.9 27.8 41.6#

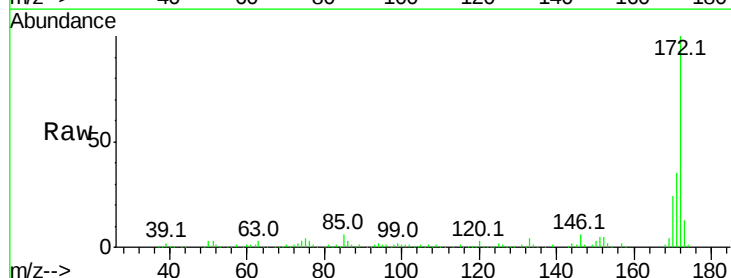


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

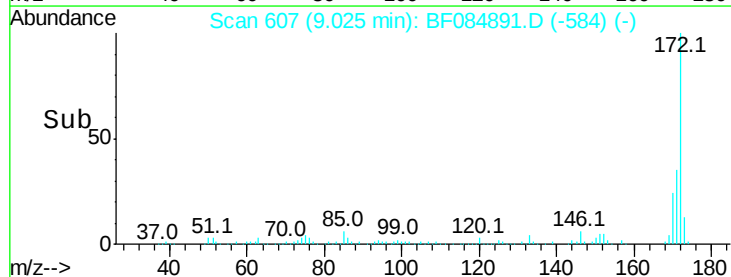
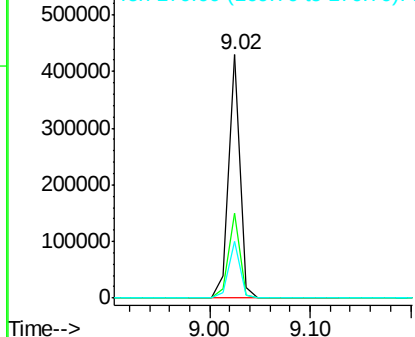


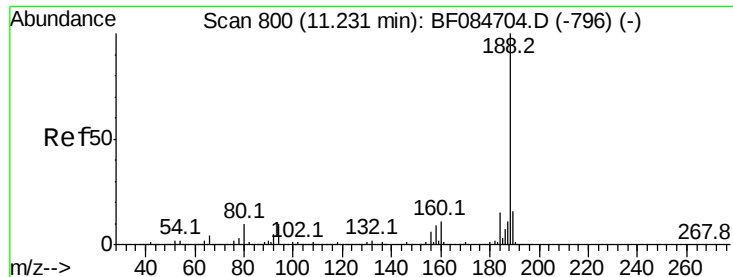
#44
 2-Fluorobiphenyl
 Concen: 13.29 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.03 min
 Lab File: BF084891.D
 Acq: 6 Feb 2016 5:46

Tgt Ion:172 Resp: 337433
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.9 43.3
 170 23.5 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

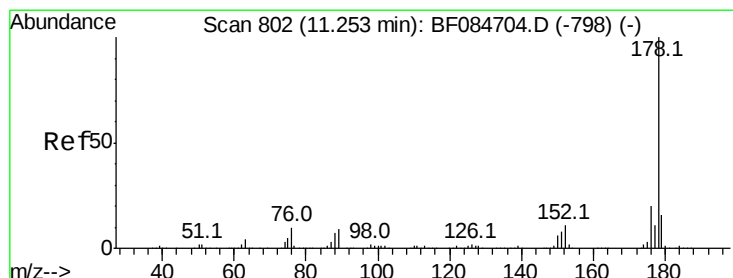
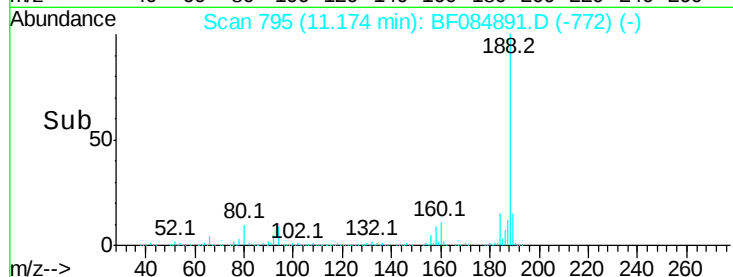
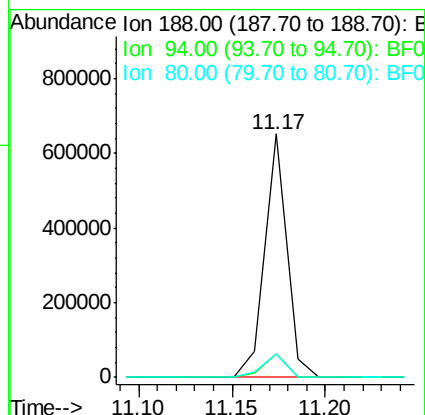
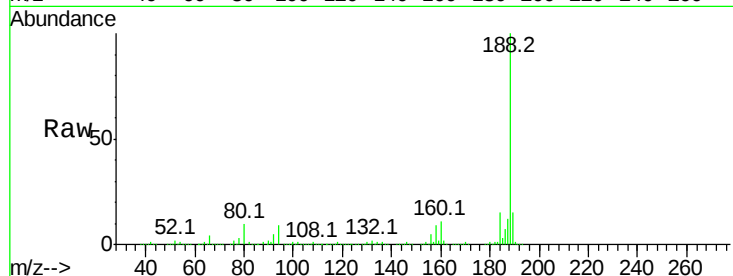




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.17 min Scan# 795
Delta R.T. -0.03 min
Lab File: BF084891.D
Acq: 6 Feb 2016 5:46

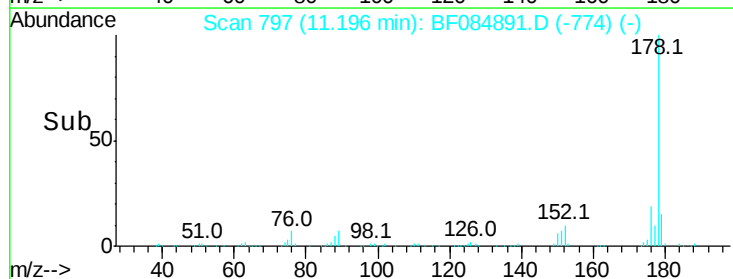
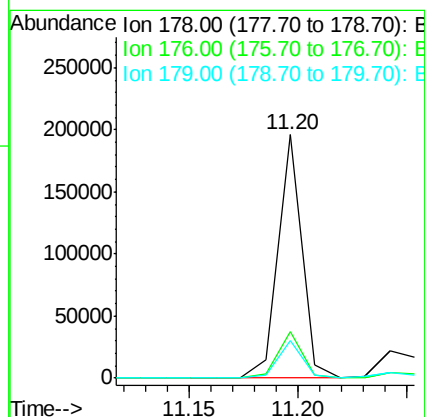
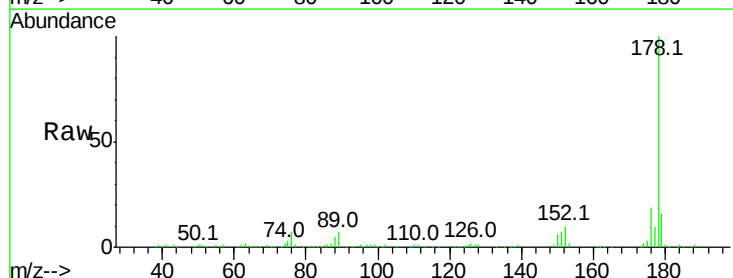
Instrument :
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ClientSampleId :
S4-B004(0-2)

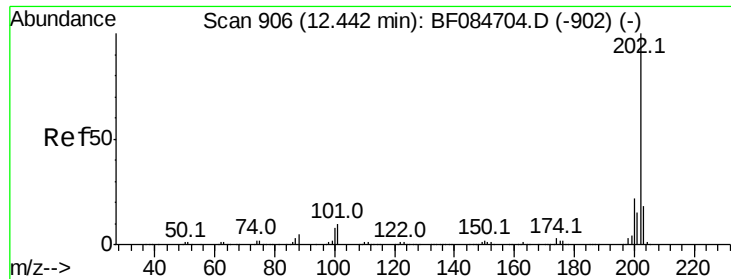
Tot Ion:188 Resp: 532875
Ion Ratio Lower Upper
188 100
94 9.4 9.0 13.4
80 9.5 9.6 14.4#



#70
Phenanthrene
Concen: 5.17 ng
RT: 11.20 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF084891.D
Acq: 6 Feb 2016 5:46

Tgt Ion:178 Resp: 152710
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.7 12.0 18.0





#74

Fluoranthene

Concen: 4.24 ng

RT: 12.37 min Scan# 900

Delta R.T. -0.05 min

Lab File: BF084891.D

Acq: 6 Feb 2016 5:46

Instrument :

BNA_F

ClientSampleId :

S4-B004(0-2)

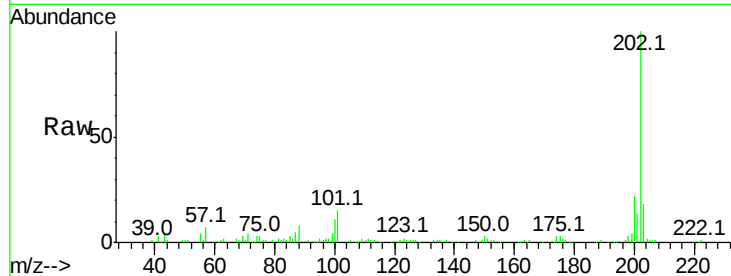
Tot Ion:202 Resp: 126891

Ion Ratio Lower Upper

202 100

101 14.5 0.0 32.8

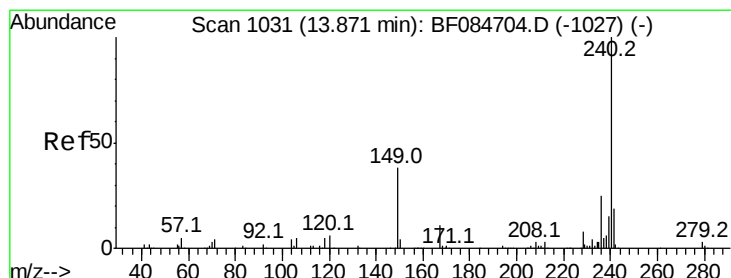
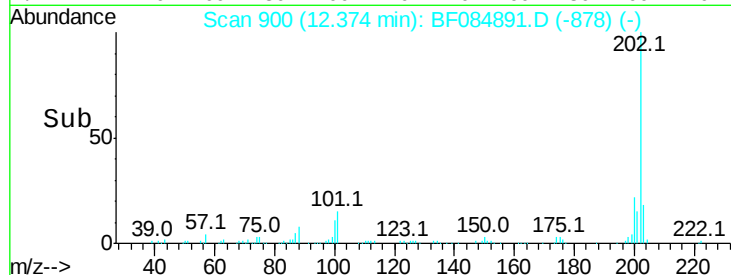
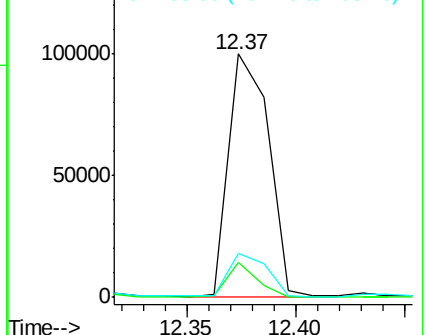
203 18.1 0.0 37.9



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: BF084891.D

Acq: 6 Feb 2016 5:46

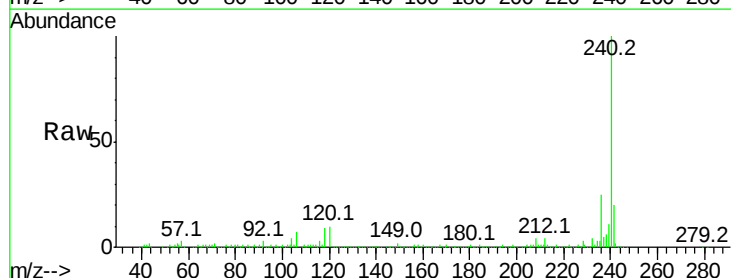
Tgt Ion:240 Resp: 374516

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

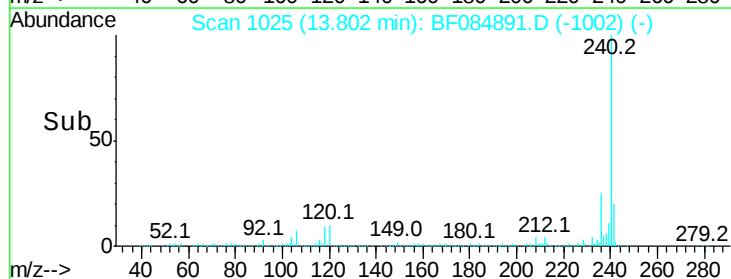
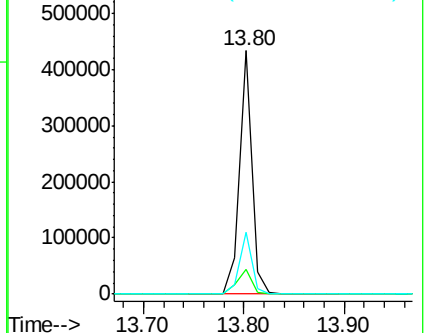
236 25.2 20.6 31.0

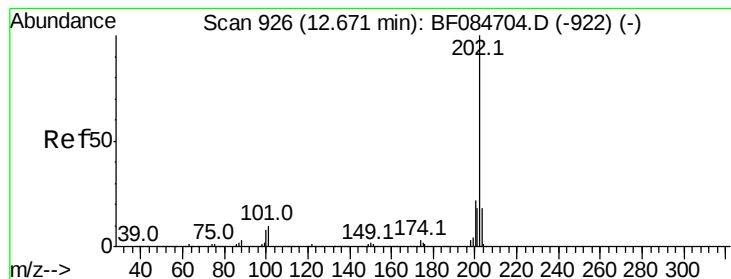


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.97 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.03 min

Lab File: BF084891.D

Acq: 6 Feb 2016 5:46

Instrument :

BNA_F

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S4-B004(0-2)

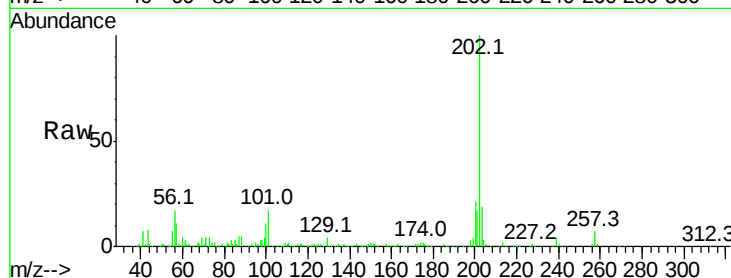
Tot Ion:202 Resp: 199886

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

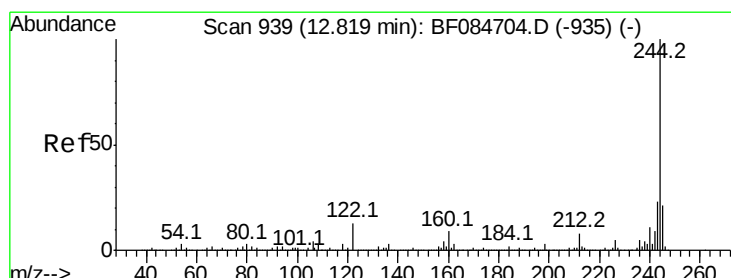
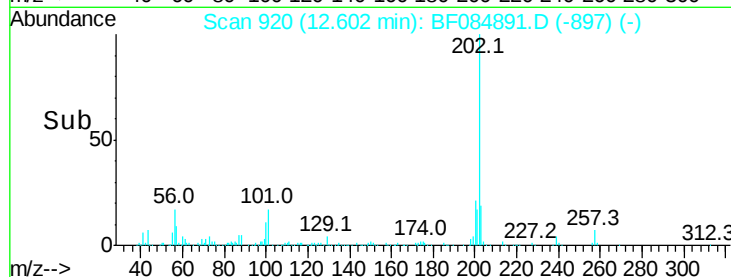
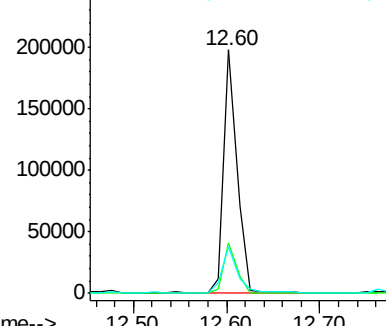
203 18.9 14.3 21.5



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: 13.61 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084891.D

Acq: 6 Feb 2016 5:46

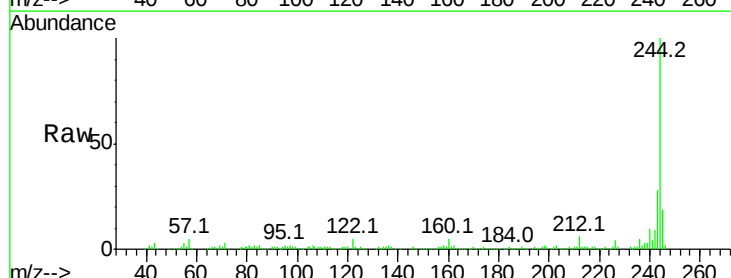
Tgt Ion:244 Resp: 224917

Ion Ratio Lower Upper

244 100

212 6.1 5.7 8.5

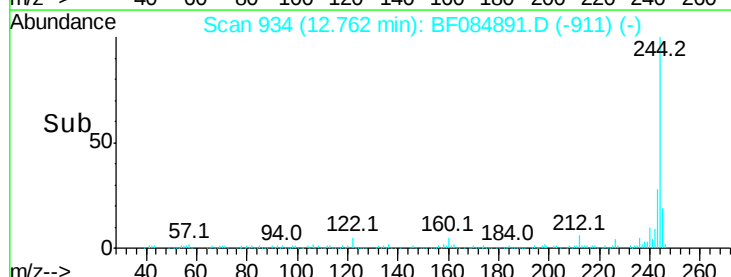
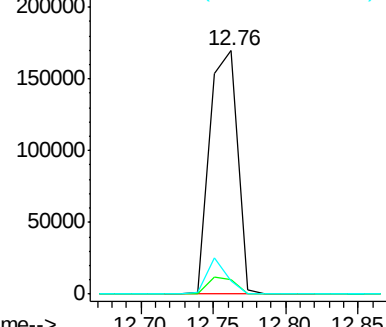
122 5.4 7.4 11.0#

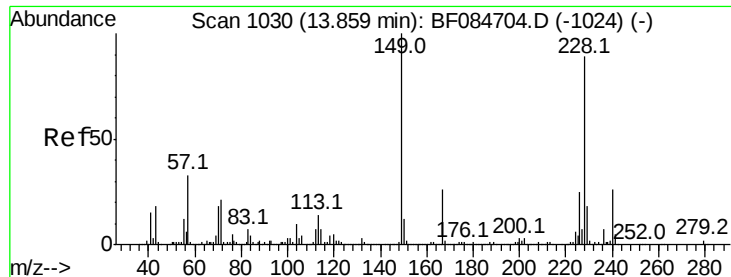


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

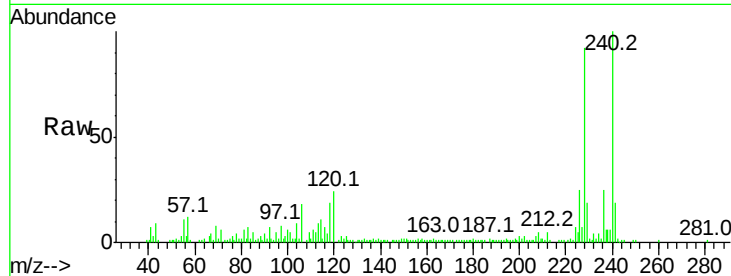




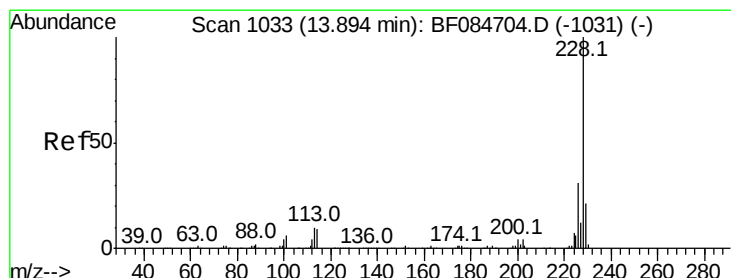
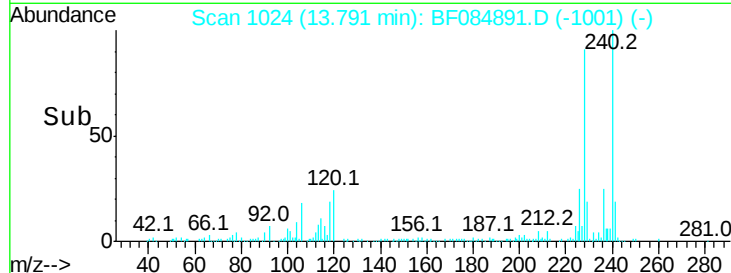
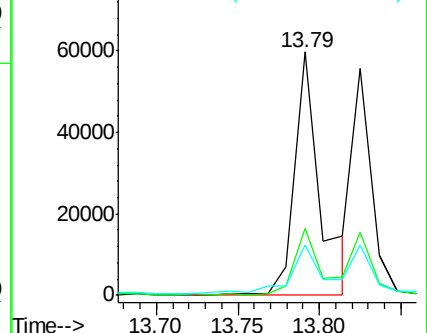
#80
Benzo(a)anthracene
Concen: 2.83 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.03 min
Lab File: BF084891.D
Acq: 6 Feb 2016 5:46

Instrument :
BNA_F
ClientSampleId :
S4-B004(0-2)

Tot Ion:228 Resp: 65711
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.6
229 20.9 15.8 23.8

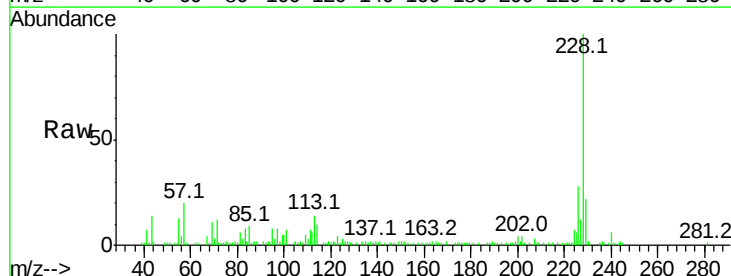


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

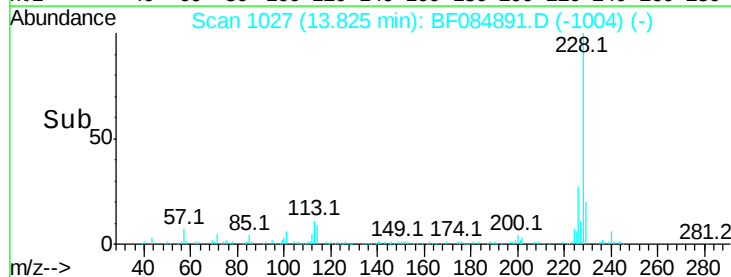
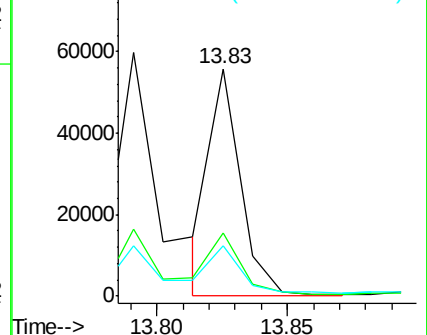


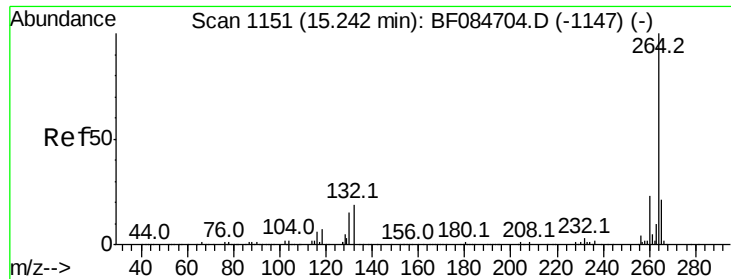
#82
Chrysene
Concen: 2.07 ng
RT: 13.83 min Scan# 1027
Delta R.T. -0.03 min
Lab File: BF084891.D
Acq: 6 Feb 2016 5:46

Tgt Ion:228 Resp: 46693
Ion Ratio Lower Upper
228 100
226 27.8 24.3 36.5
229 22.0 16.1 24.1



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
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.17 min Scan# 1145
 Delta R.T. -0.03 min
 Lab File: BF084891.D
 Acq: 6 Feb 2016 5:46

Instrument :
 BNA_F
 ClientSampleId :
 S4-B004(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	21.7	17.8	26.6

