

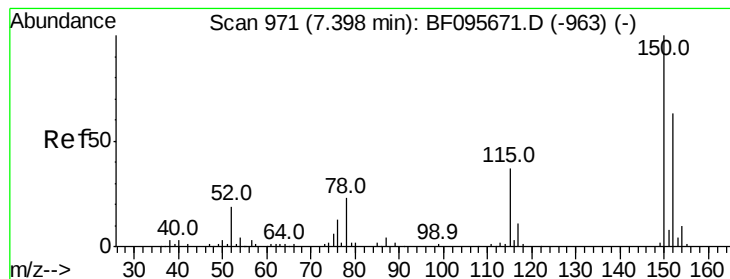
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095990.D
 Acq On : 17 Jun 2017 10:54
 Operator : SJ/MA
 Sample : I3683-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 19 01:09:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	71266	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	280569	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	121195	20.00	ng	-0.01
63) Phenanthrene-d10	14.56	188	187558	20.00	ng	0.00
75) Chrysene-d12	18.29	240	138028	20.00	ng	-0.01
86) Perylene-d12	19.96	264	128340	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	484903	108.42	ng	0.00
7) Phenol-d6	6.89	99	606752	113.32	ng	-0.02
23) Nitrobenzene-d5	8.24	82	347103	76.83	ng	-0.01
41) 2,4,6-Tribromophenol	13.47	330	107968	100.69	ng	-0.01
44) 2-Fluorobiphenyl	11.13	172	684847	78.63	ng	0.00
78) Terphenyl-d14	16.94	244	403517	72.55	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.24	70	42093	12.41	ng	# 79
49) Dimethylphthalate	11.83	163	104418	11.35	ng	100
55) 4-Nitrophenol	12.59	139	108	4.70	ng	# 25
70) Phenanthrene	14.60	178	52902	4.89	ng	99
74) Fluoranthene	16.40	202	44973	4.20	ng	97
77) Pyrene	16.70	202	36088	3.50	ng	96
80) Benzo(a)anthracene	18.28	228	16600	2.07	ng	97
87) Benzo(b)fluoranthene	19.57	252	24044	2.99	ng	# 97
88) Benzo(k)fluoranthene	19.57	252	24044	3.13	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.32 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

Instrument :

BNA_F

ClientSampleId :

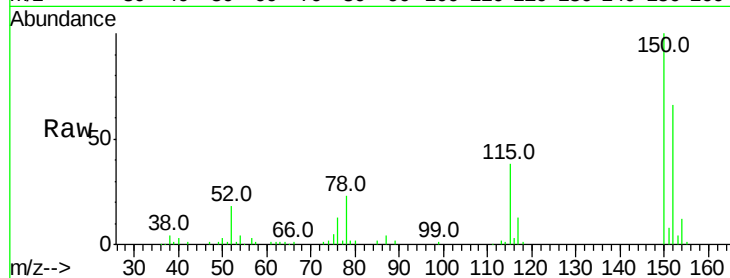
Tot Ion:152 Resp: 71266

Ion Ratio Lower Upper

152 100

150 152.3 126.2 189.2

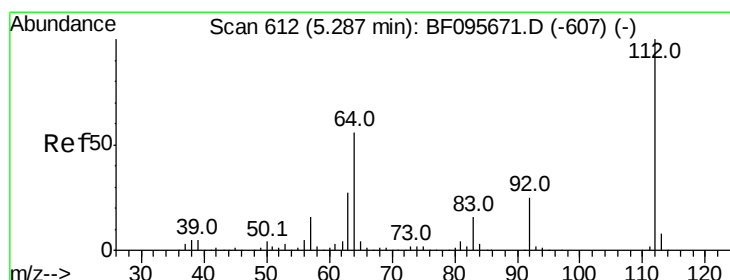
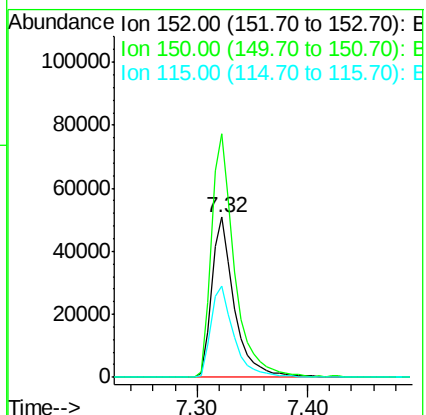
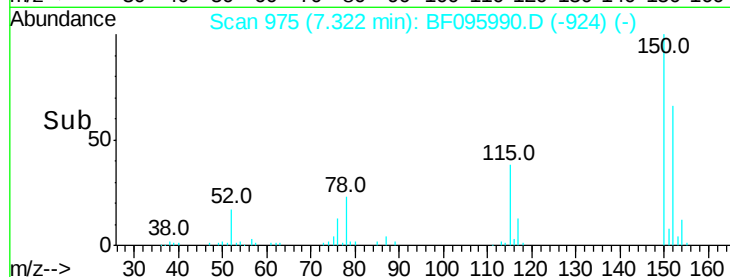
115 57.3 52.2 78.2



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: 108.42 ng

RT: 5.22 min Scan# 617

Delta R.T. 0.00 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

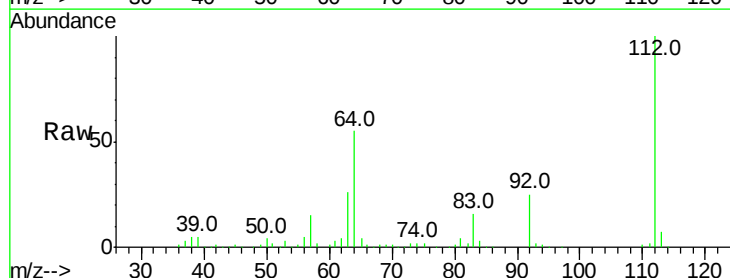
Tgt Ion:112 Resp: 484903

Ion Ratio Lower Upper

112 100

64 54.8 46.0 69.0

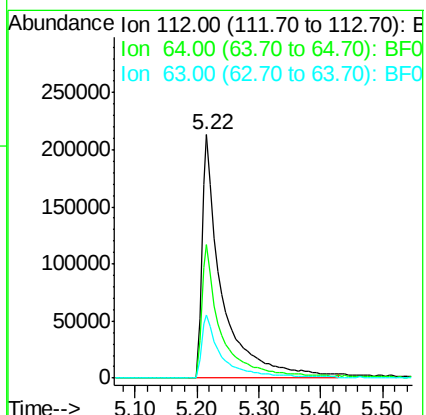
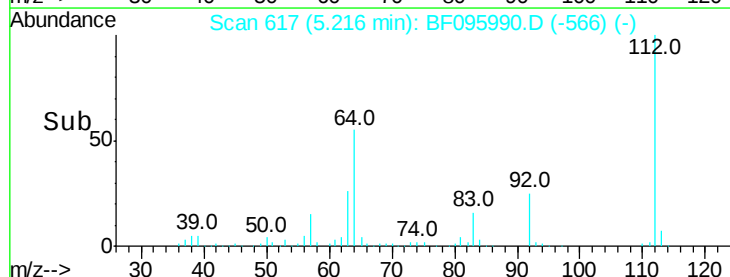
63 25.7 23.4 35.0



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: 113.32 ng

RT: 6.89 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

Instrument :

BNA_F

ClientSampleId :

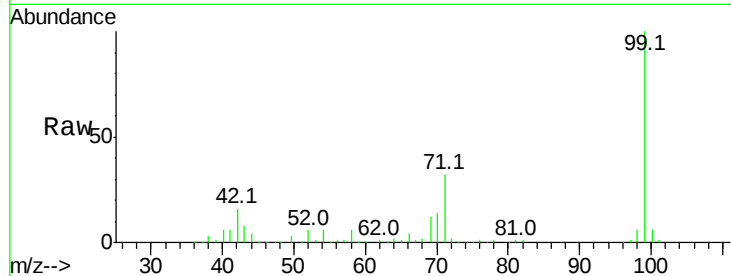
Tot Ion: 99 Resp: 606752

Ion Ratio Lower Upper

99 100

42 16.0 13.5 20.3

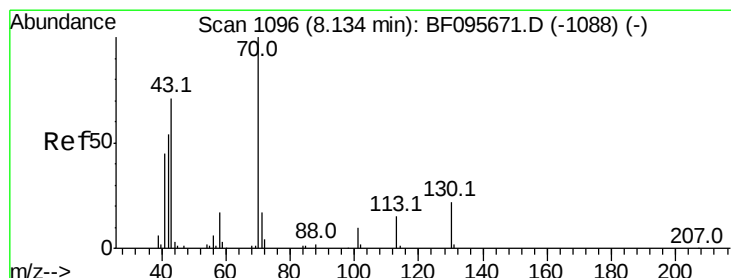
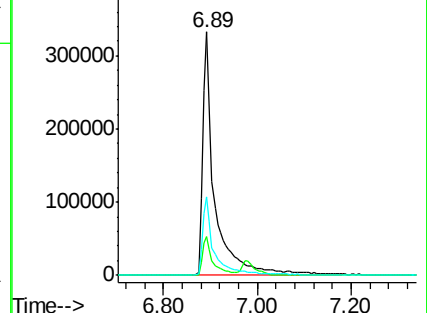
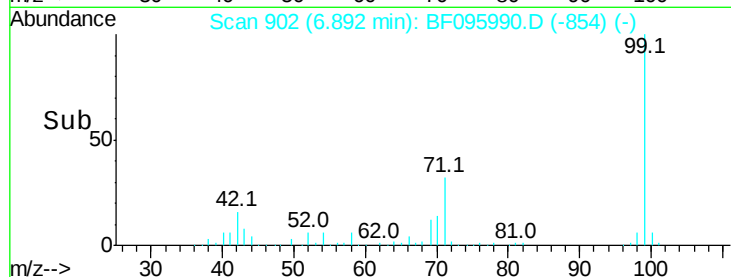
71 32.4 24.5 36.7



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: 12.41 ng

RT: 8.24 min Scan# 1131

Delta R.T. 0.17 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

Tgt Ion: 70 Resp: 42093

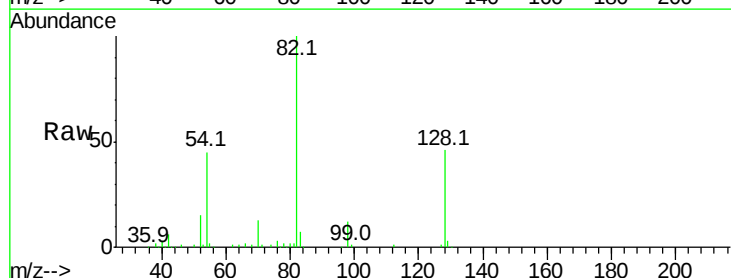
Ion Ratio Lower Upper

70 100

42 48.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.5 15.9 23.9#

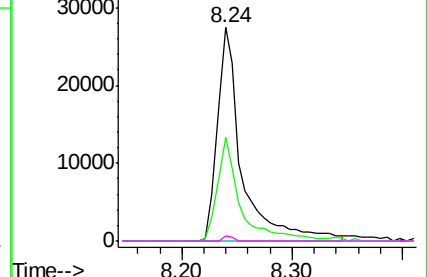
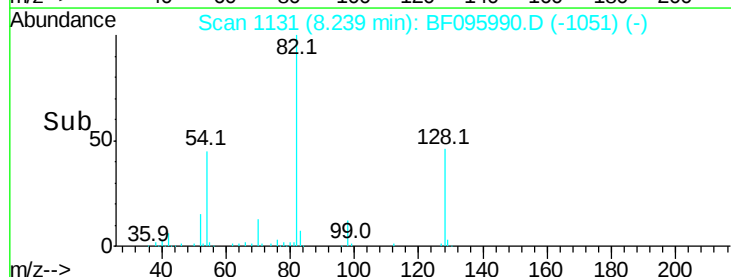


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.35 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 280569

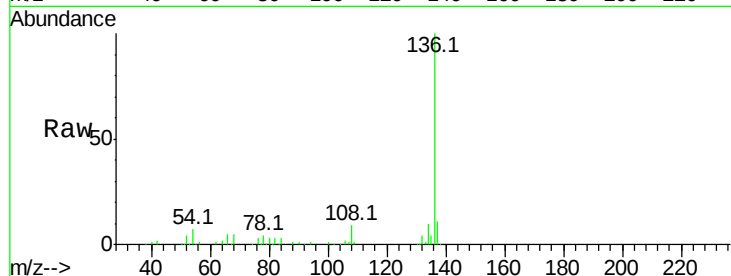
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.2 4.9 7.3

68 5.5 4.1 6.1

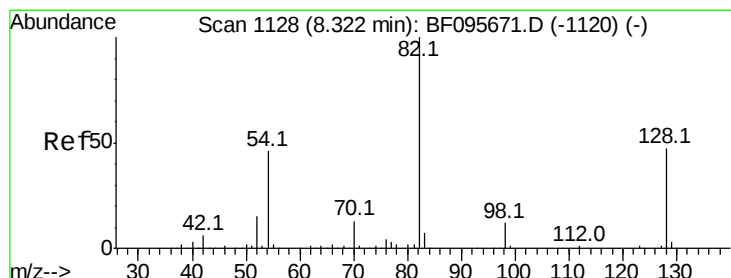
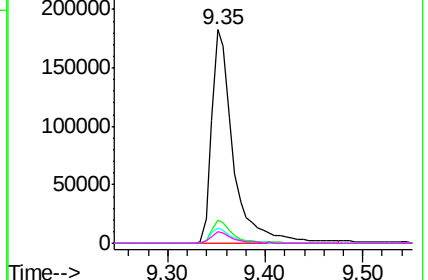
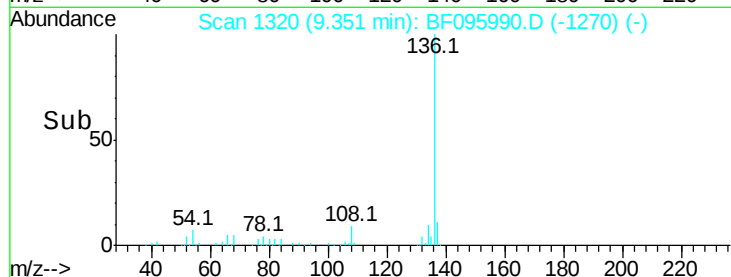


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 76.83 ng

RT: 8.24 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

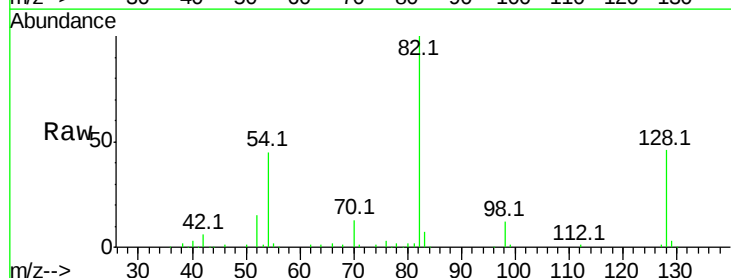
Tgt Ion: 82 Resp: 347103

Ion Ratio Lower Upper

82 100

128 45.5 34.0 51.0

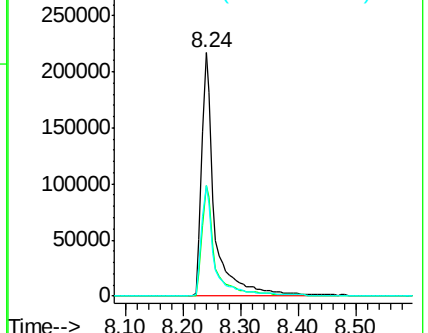
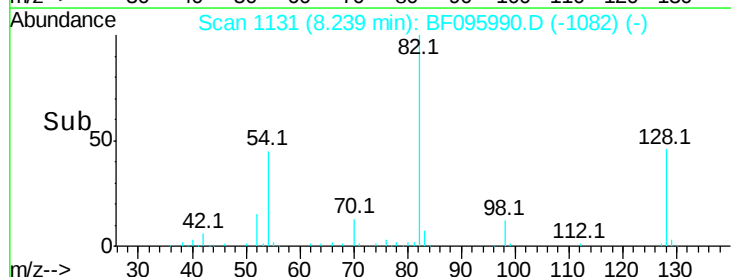
54 45.4 42.2 63.2



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: 12.17 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

Instrument :

BNA_F

ClientSampleId :

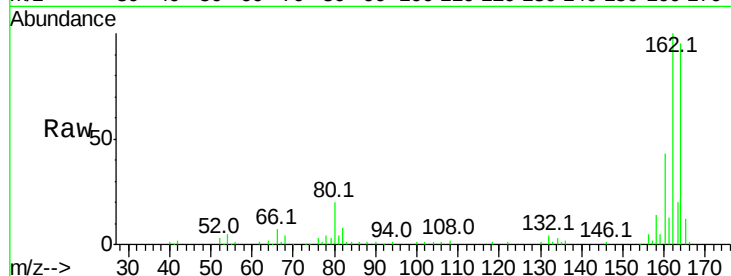
Tot Ion:164 Resp: 121195

Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

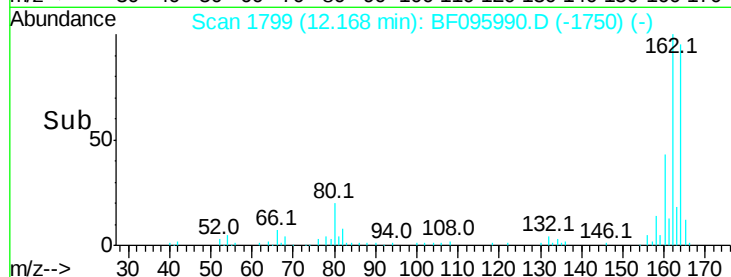
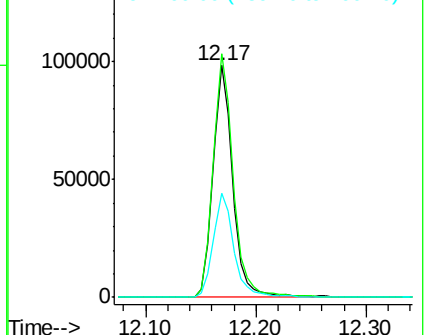
160 45.1 36.2 54.2



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: 100.69 ng

RT: 13.47 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

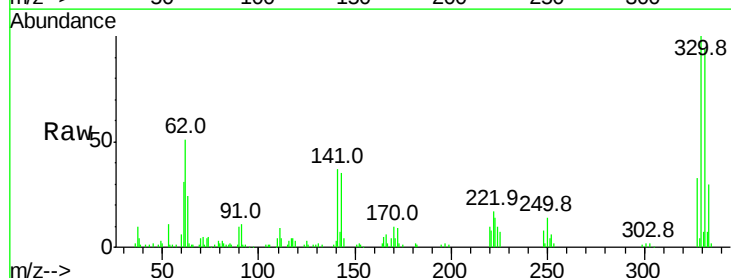
Tgt Ion:330 Resp: 107968

Ion Ratio Lower Upper

330 100

332 96.5 76.6 115.0

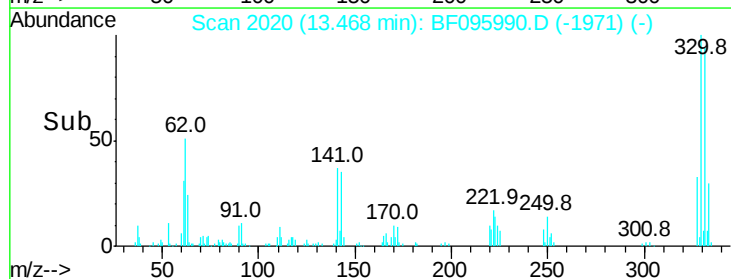
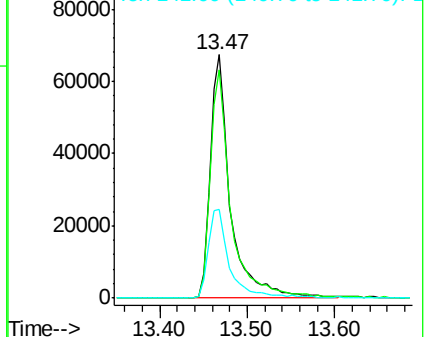
141 38.4 31.4 47.2



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

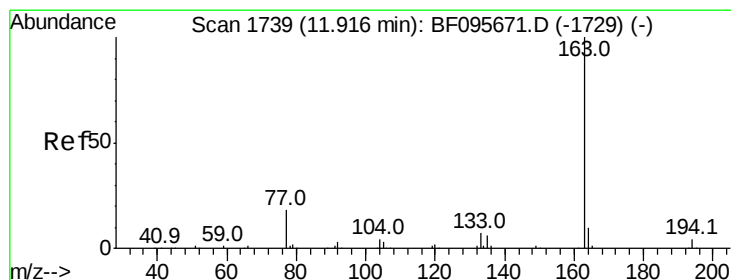
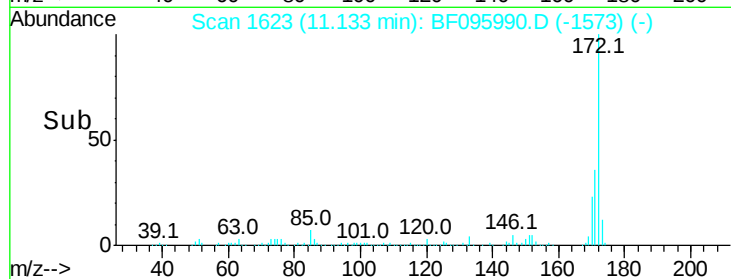
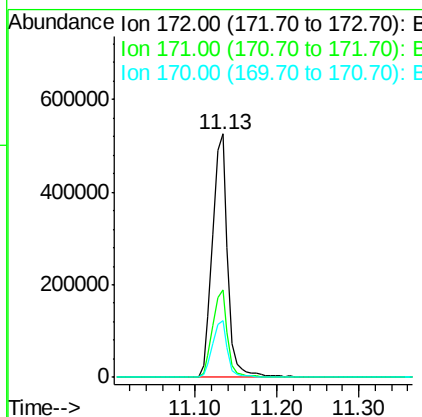
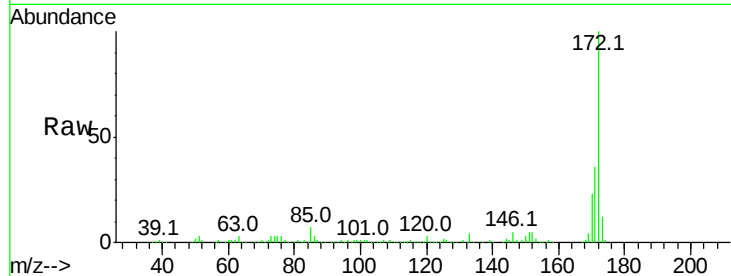




#44
2-Fluorobiphenyl
Concen: 78.63 ng
RT: 11.13 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF095990.D
Acq: 17 Jun 2017 10:54

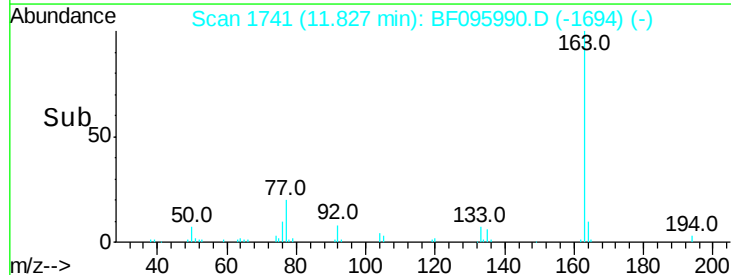
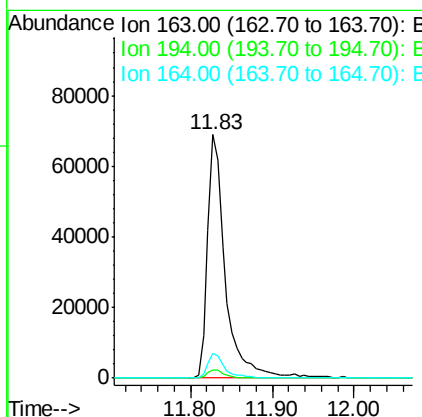
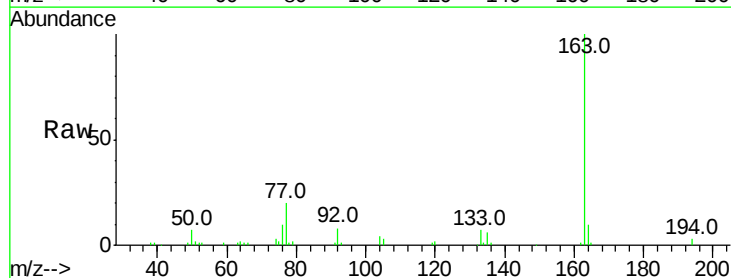
Instrument :
BNA_F
ClientSampleId :

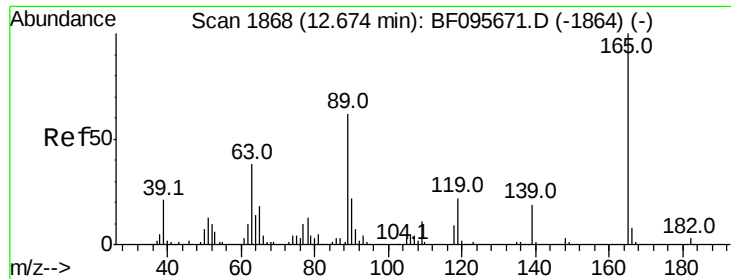
Tot Ion:172 Resp: 684847
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 11.35 ng
RT: 11.83 min Scan# 1741
Delta R.T. -0.02 min
Lab File: BF095990.D
Acq: 17 Jun 2017 10:54

Tgt Ion:163 Resp: 104418
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.3 8.4 12.6

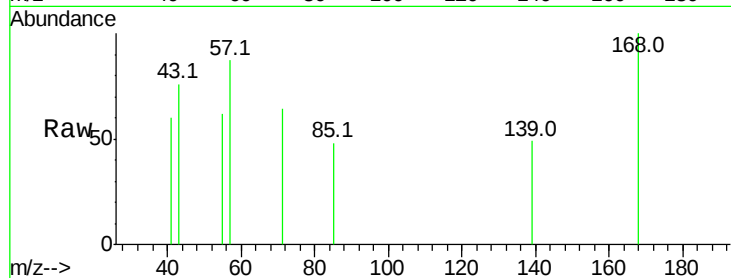




#55
4-Nitrophenol
Concen: 4.70 ng
RT: 12.59 min Scan# 1870
Delta R.T. -0.06 min
Lab File: BF095990.D
Acq: 17 Jun 2017 10:54

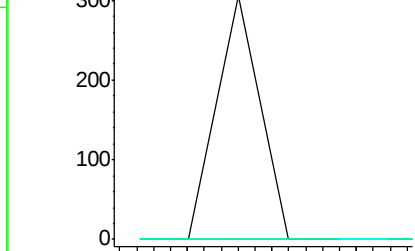
Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 108
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

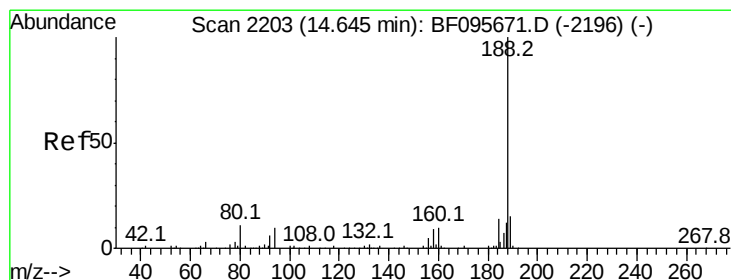
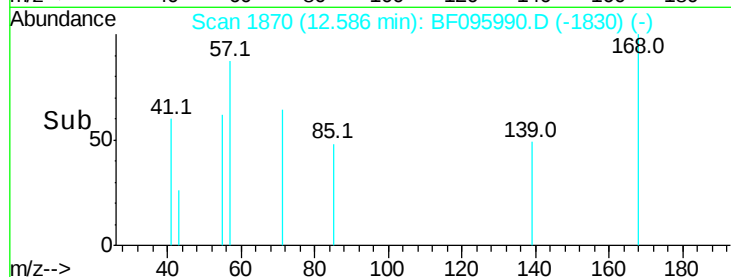


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

12.59

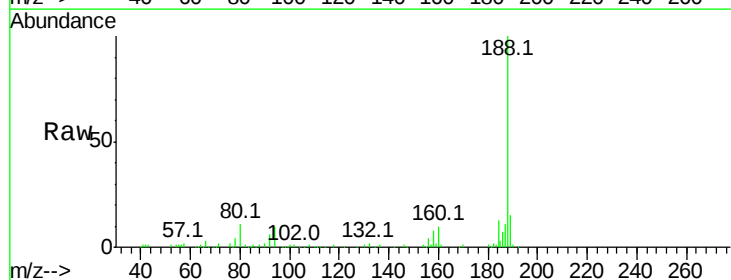


Time-->



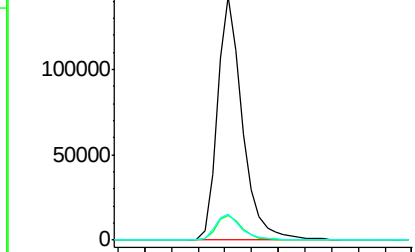
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.56 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF095990.D
Acq: 17 Jun 2017 10:54

Tgt Ion:188 Resp: 187558
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.8 10.2 15.2

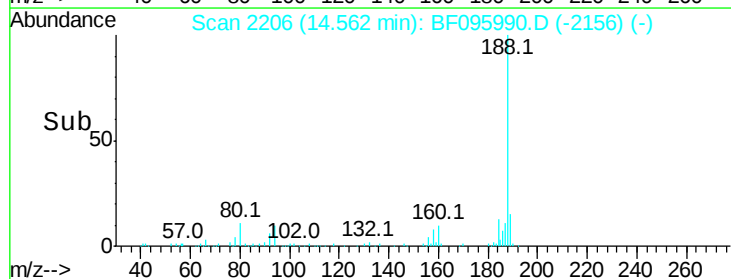


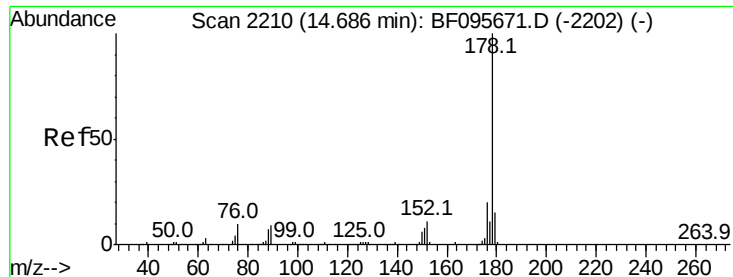
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

14.56



Time-->

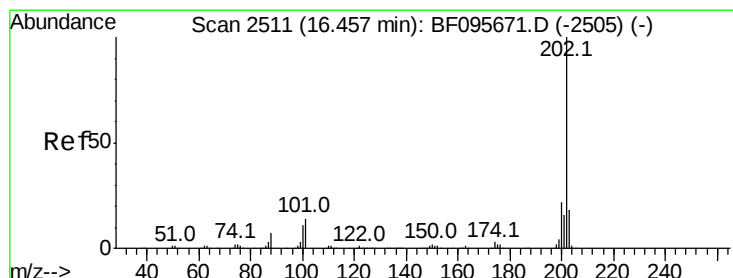
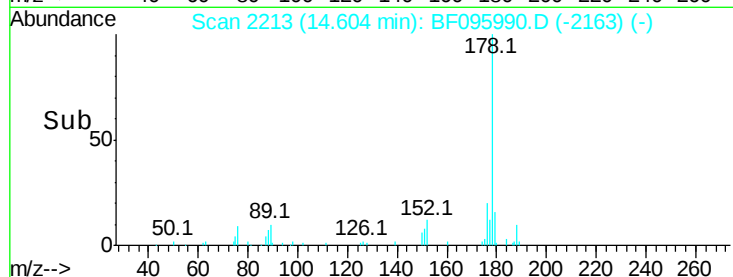
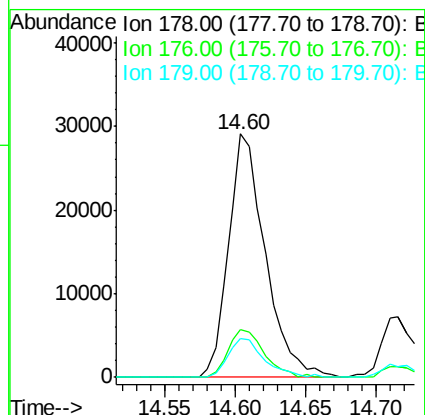
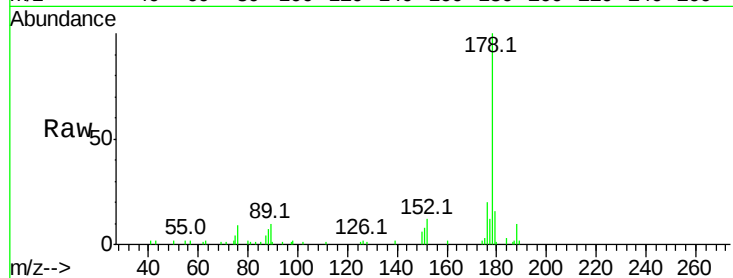




#70
Phenanthrene
Concen: 4.89 ng
RT: 14.60 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF095990.D
Acq: 17 Jun 2017 10:54

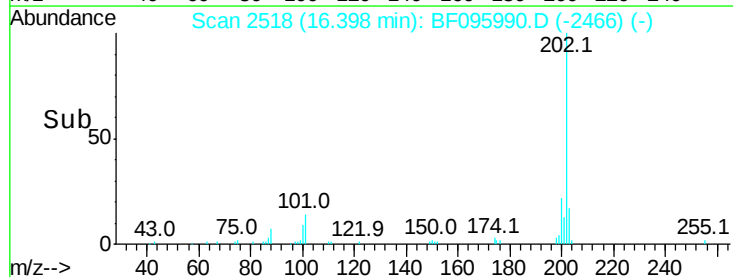
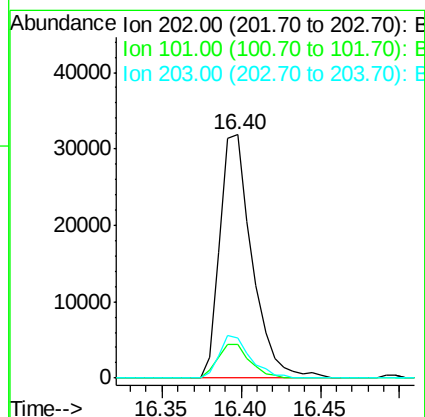
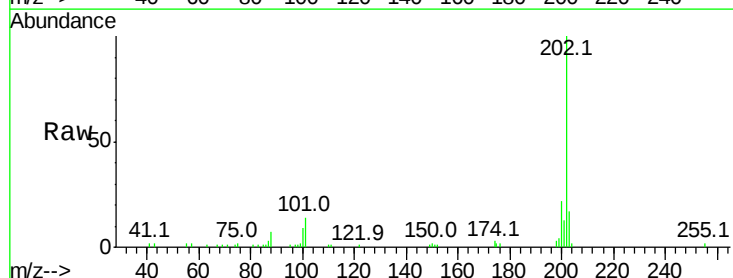
Instrument :
BNA_F
ClientSampleId :

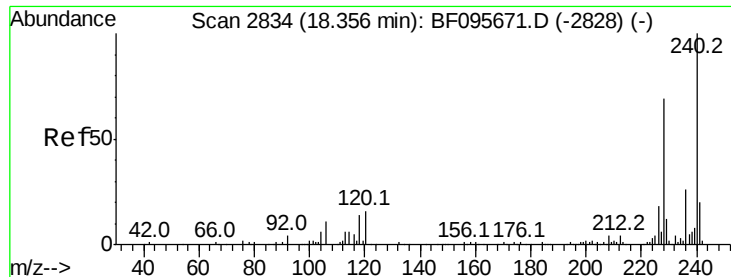
Tot Ion:178 Resp: 52902
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 16.1 12.6 19.0



#74
Fluoranthene
Concen: 4.20 ng
RT: 16.40 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF095990.D
Acq: 17 Jun 2017 10:54

Tgt Ion:202 Resp: 44973
Ion Ratio Lower Upper
202 100
101 13.8 0.0 33.2
203 16.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.29 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

Instrument :

BNA_F

ClientSampleId :

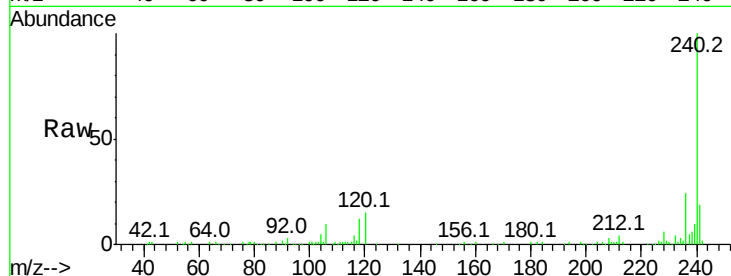
Tot Ion:240 Resp: 138028

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

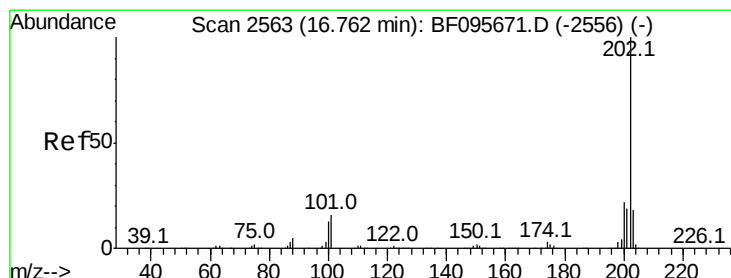
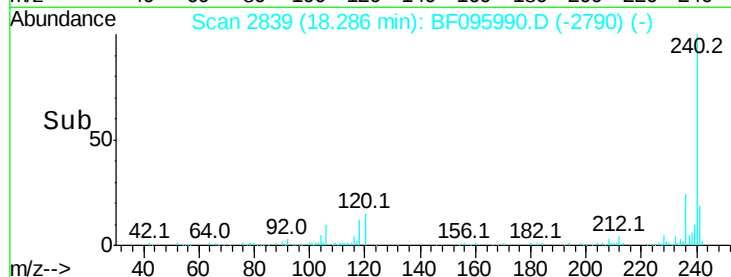
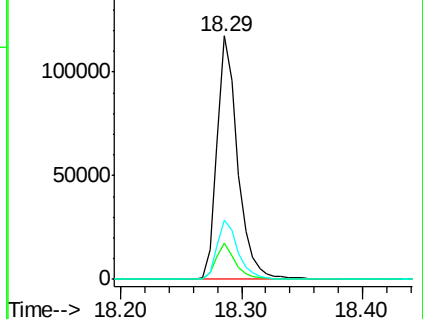
236 24.2 20.5 30.7



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

Pyrene

Concen: 3.50 ng

RT: 16.70 min Scan# 2569

Delta R.T. 0.00 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

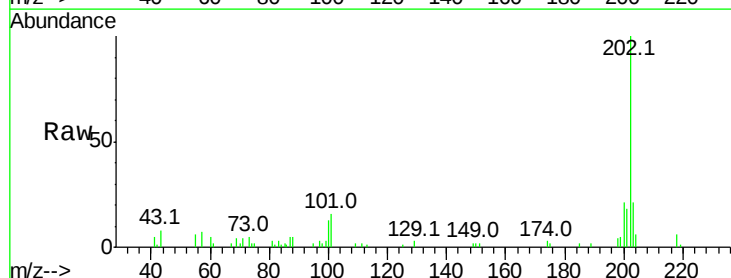
Tgt Ion:202 Resp: 36088

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

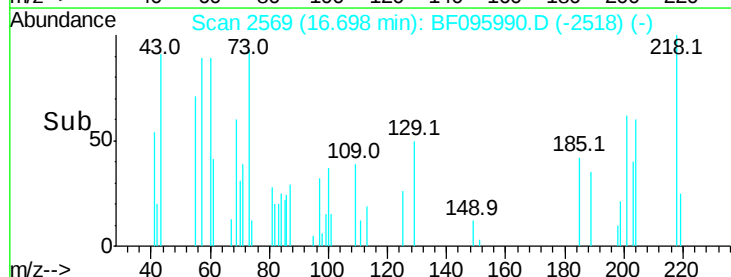
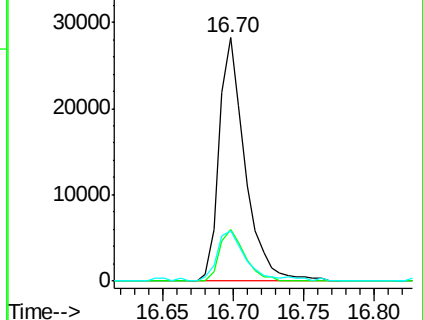
203 20.9 14.4 21.6

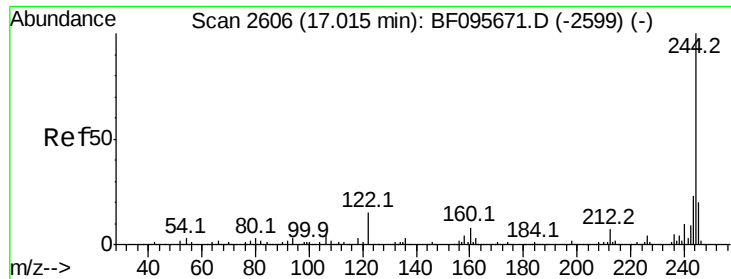


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

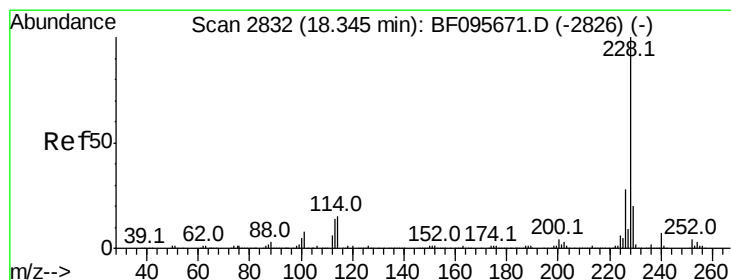
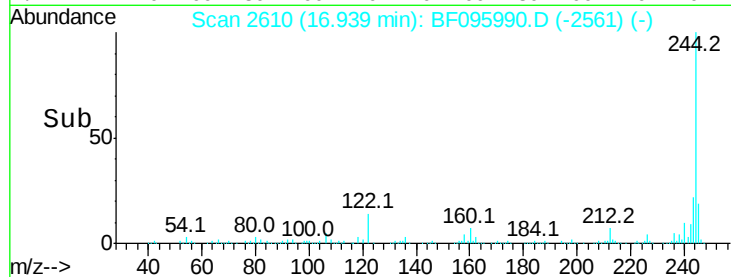
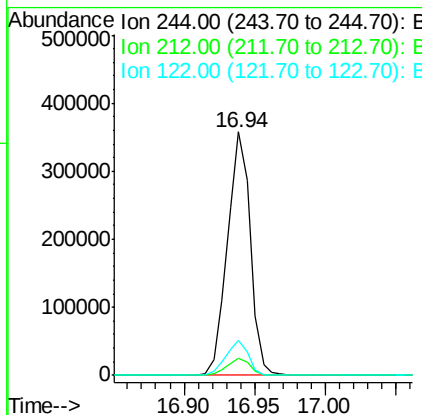
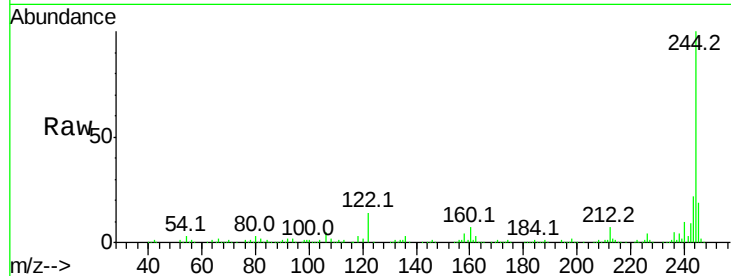




#78
 Terphenyl-d14
 Concen: 72.55 ng
 RT: 16.94 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF095990.D
 Acq: 17 Jun 2017 10:54

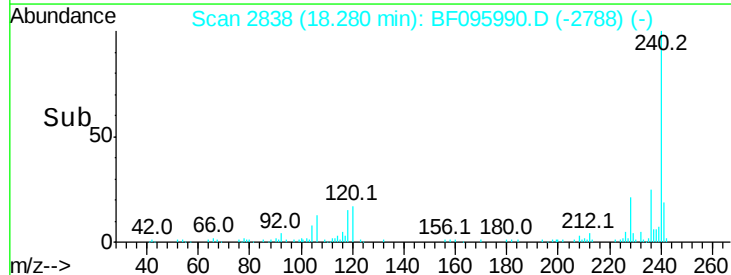
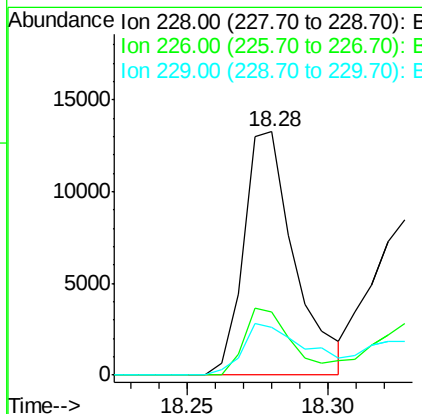
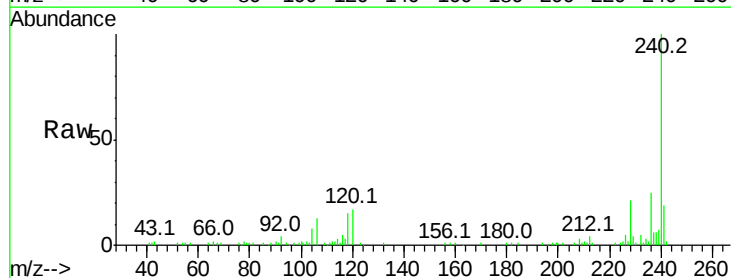
Instrument :
 BNA_F
 ClientSampled :

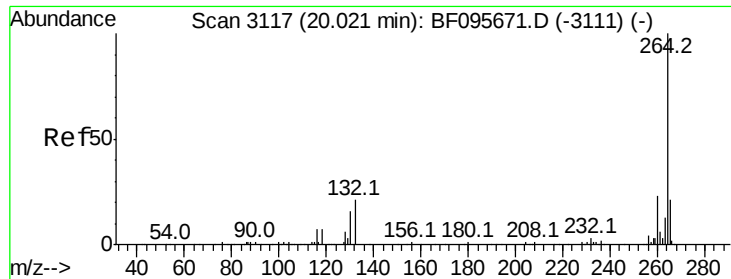
Tot Ion:244 Resp: 403517
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.07 ng
 RT: 18.28 min Scan# 2838
 Delta R.T. -0.01 min
 Lab File: BF095990.D
 Acq: 17 Jun 2017 10:54

Tgt Ion:228 Resp: 16600
 Ion Ratio Lower Upper
 228 100
 226 26.1 22.6 33.8
 229 19.4 16.3 24.5

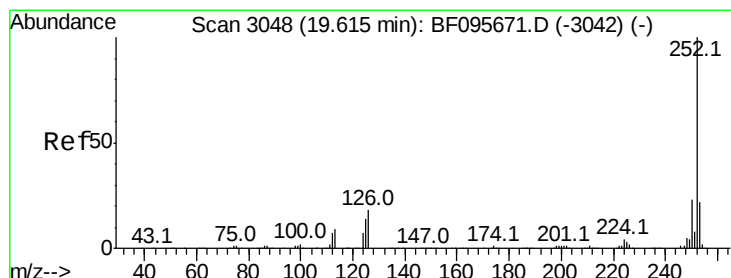
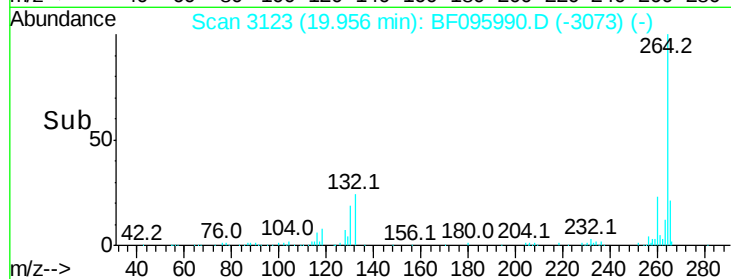
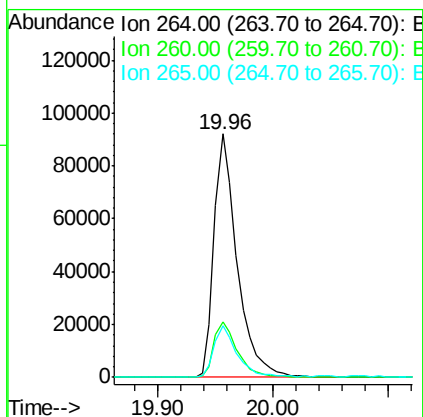
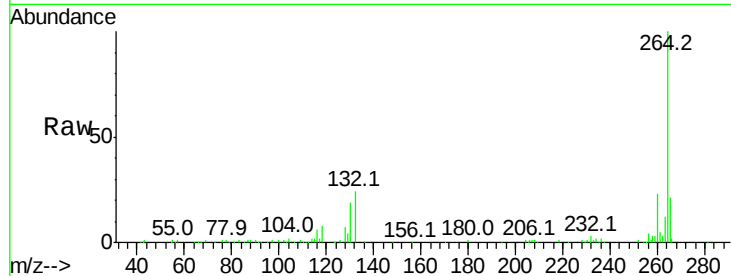




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095990.D
Acq: 17 Jun 2017 10:54

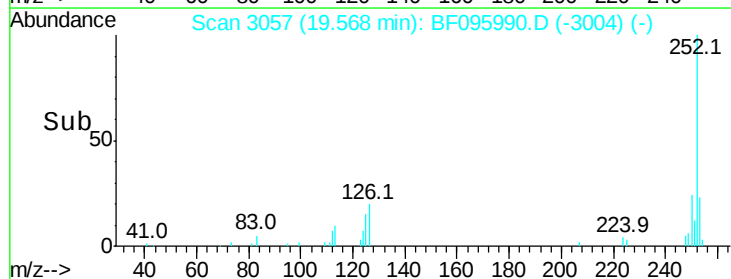
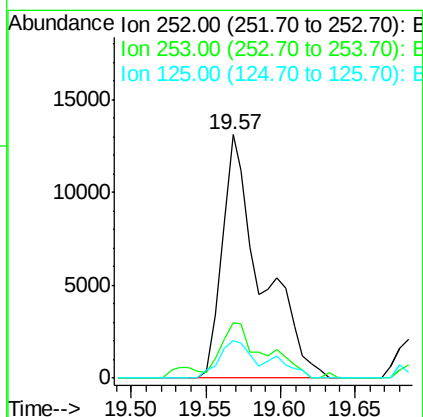
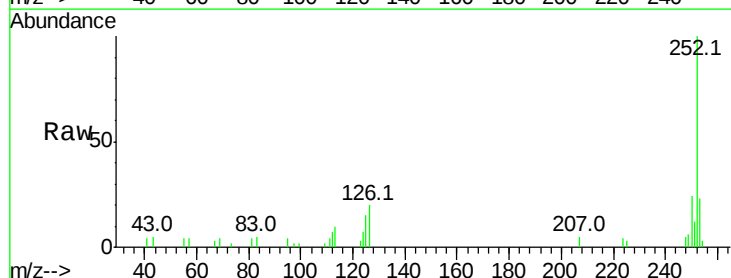
Instrument :
BNA_F
ClientSampleId :

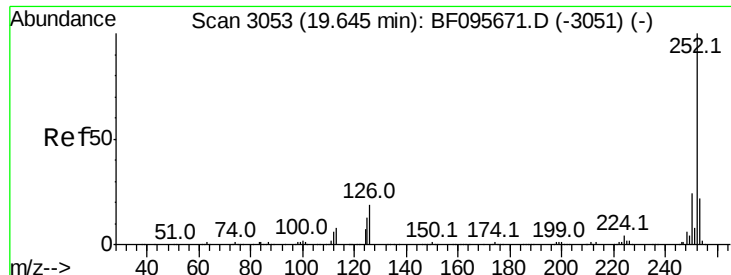
Tot Ion:264 Resp: 128340
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 21.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.99 ng
RT: 19.57 min Scan# 3057
Delta R.T. 0.01 min
Lab File: BF095990.D
Acq: 17 Jun 2017 10:54

Tgt Ion:252 Resp: 24044
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 15.5 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 3.13 ng

RT: 19.57 min Scan# 3057

Delta R.T. -0.02 min

Lab File: BF095990.D

Acq: 17 Jun 2017 10:54

Instrument :

BNA_F

ClientSampleId :

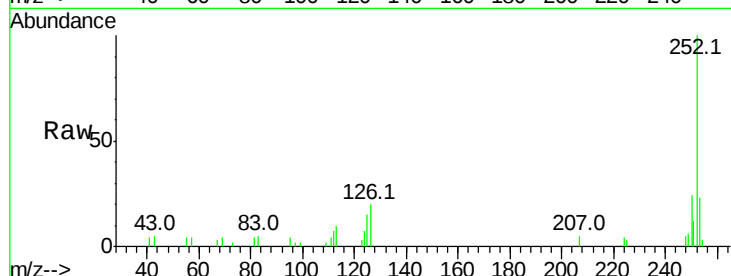
Tot Ion:252 Resp: 24044

Ion Ratio Lower Upper

252 100

253 22.5 18.4 27.6

125 15.5 13.1 19.7



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

