

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
 Data File : BF095070.D
 Acq On : 10 May 2017 22:46
 Operator : SJ/MA
 Sample : I3037-05 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB408A

Quant Time: May 11 07:14:52 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

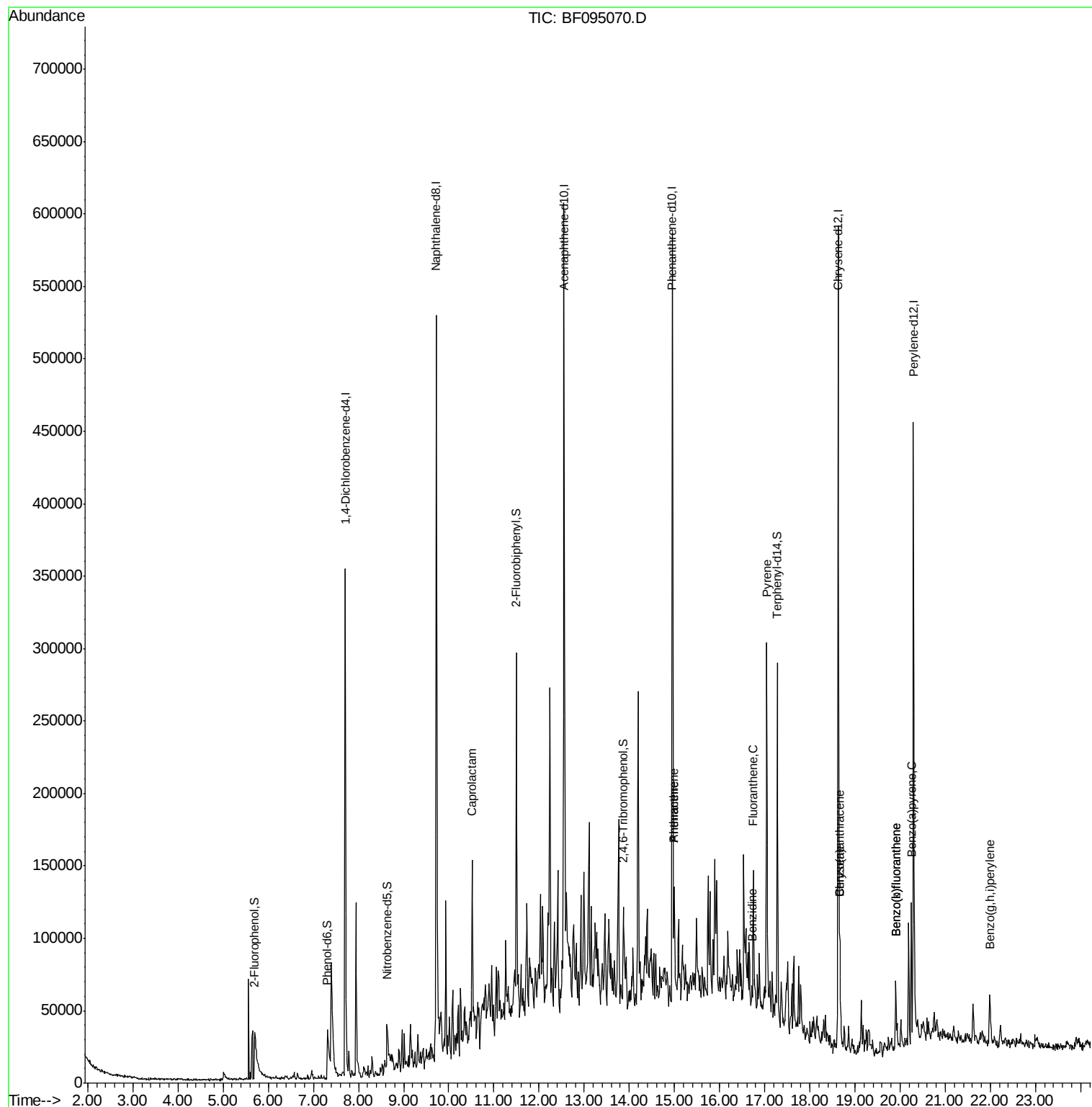
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	85883	20.00	ng	-0.02
21) Naphthalene-d8	9.72	136	362138	20.00	ng	-0.03
38) Acenaphthene-d10	12.55	164	163141	20.00	ng	-0.03
63) Phenanthrene-d10	14.96	188	261109	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	235401	20.00	ng	-0.02
86) Perylene-d12	20.29	264	196369	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	40208	7.81	ng	0.03
7) Phenol-d6	7.31	99	47762	7.73	ng	0.04
23) Nitrobenzene-d5	8.62	82	34196	5.95	ng	-0.01
41) 2,4,6-Tribromophenol	13.87	330	11803	8.83	ng	-0.01
44) 2-Fluorobiphenyl	11.50	172	85817	7.57	ng	-0.03
78) Terphenyl-d14	17.28	244	81974	7.67	ng	-0.03
Target Compounds						Qvalue
35) Caprolactam	10.52	113	3527	2.37	ng	# 59
70) Phenanthrene	15.00	178	43378	2.89	ng	95
71) Anthracene	15.00	178	43378	2.83	ng	96
74) Fluoranthene	16.75	202	52826	3.43	ng	95
76) Benzydine	16.72	184	112	6.60	ng	# 1
77) Pyrene	17.04	202	127667	7.25	ng	97
80) Benzo(a)anthracene	18.67	228	38832	2.83	ng	94
82) Chrysene	18.67	228	39453	2.98	ng	96
87) Benzo(b)fluoranthene	19.91	252	34320	2.83	ng	# 94
88) Benzo(k)fluoranthene	19.91	252	34320	2.93	ng	98
89) Benzo(a)pyrene	20.25	252	37629	3.36	ng	97
91) Benzo(g,h,i)perylene	21.99	276	31226	3.44	ng	92

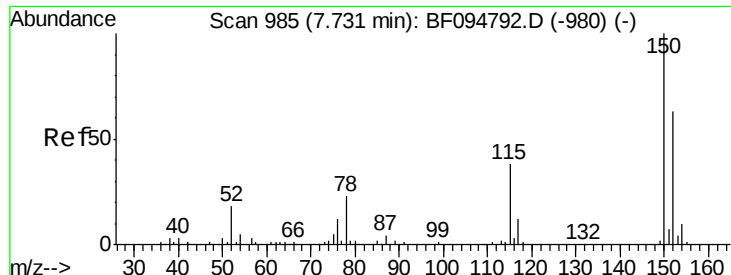
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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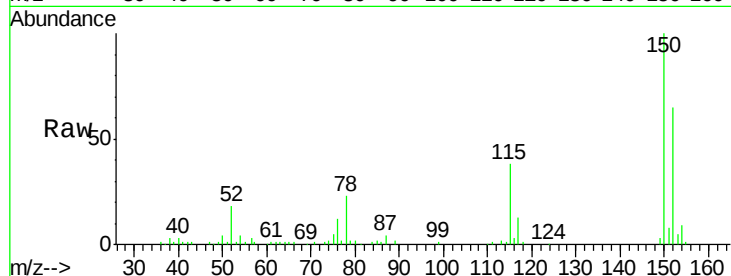


#1

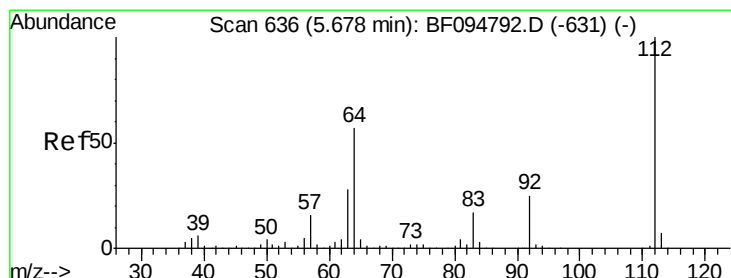
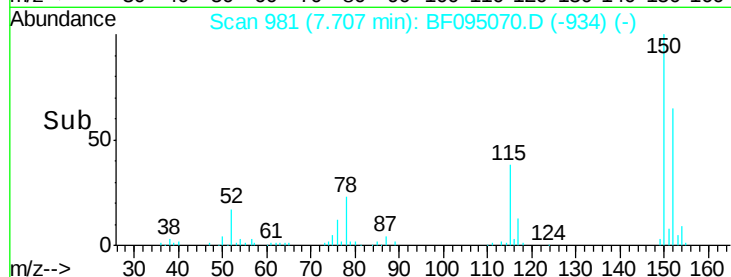
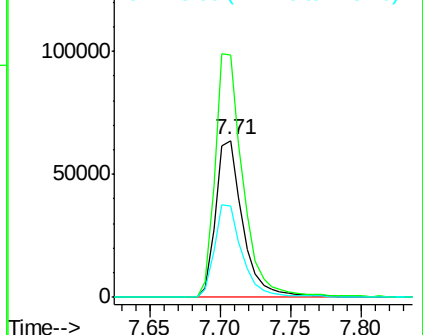
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Instrument :
BNA_F
ClientSampleId :
HY-SB408A

Tgt Ion:152 Resp: 85883
Ion Ratio Lower Upper
152 100
150 154.4 126.2 189.2
115 58.3 52.2 78.2



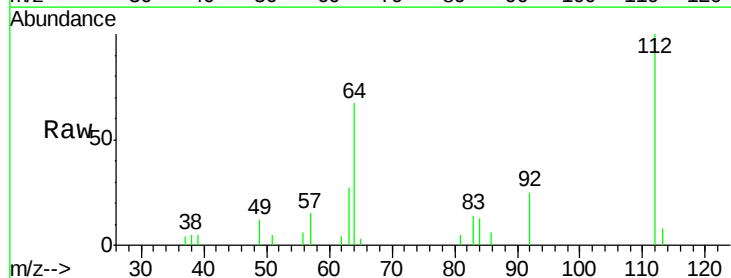
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



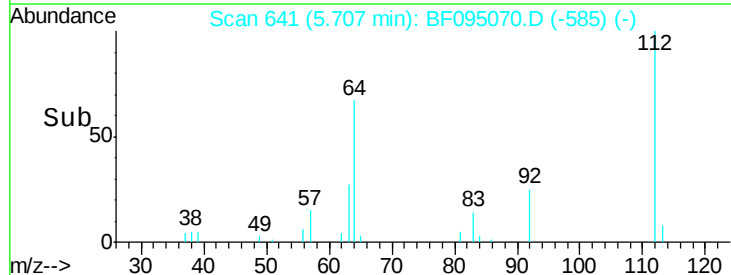
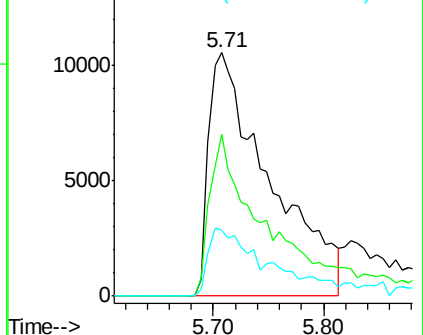
#5

2-Fluorophenol
Concen: 7.81 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.03 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Tgt Ion:112 Resp: 40208
Ion Ratio Lower Upper
112 100
64 66.7 46.0 69.0
63 27.2 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: 7.73 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Instrument :

BNA_F

ClientSampleId :

HY-SB408A

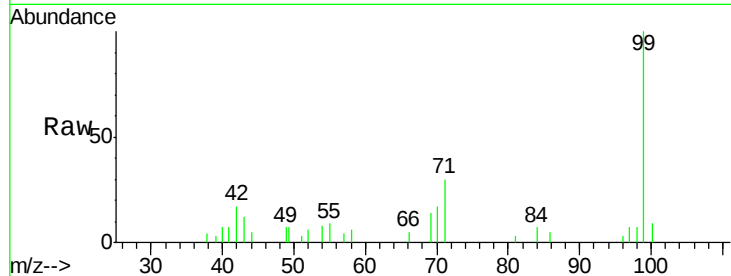
Tgt Ion: 99 Resp: 47762

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

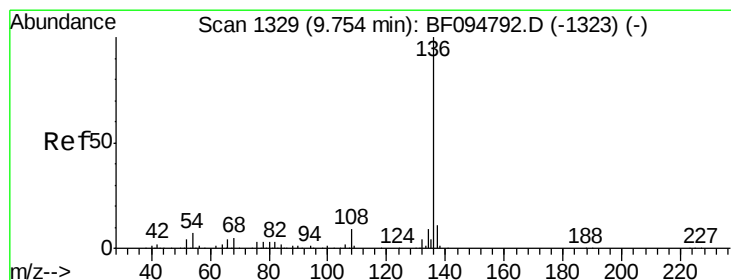
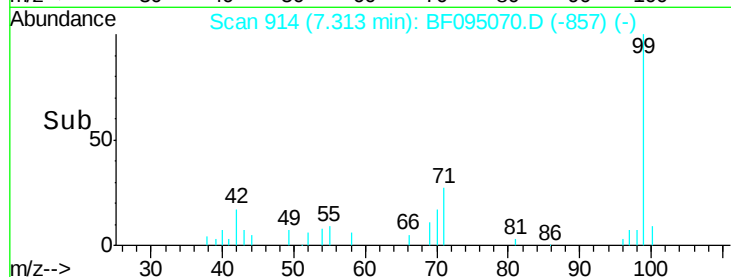
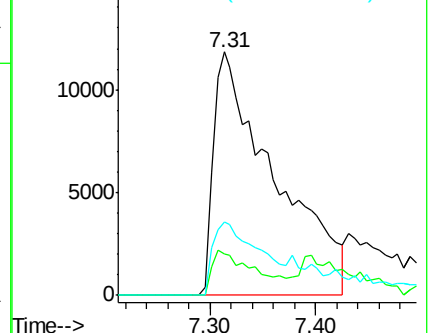
71 30.2 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.72 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Tgt Ion: 136 Resp: 362138

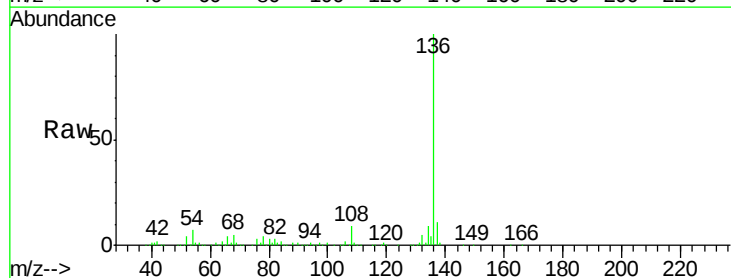
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.8 4.9 7.3

68 5.4 4.1 6.1

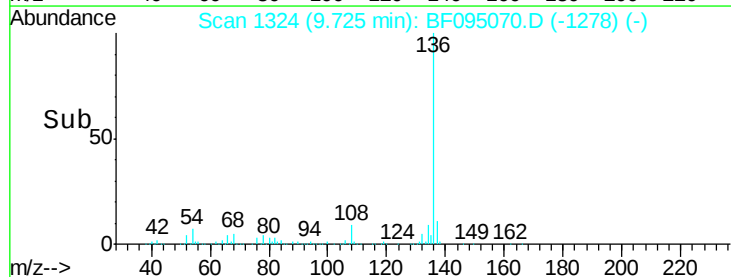
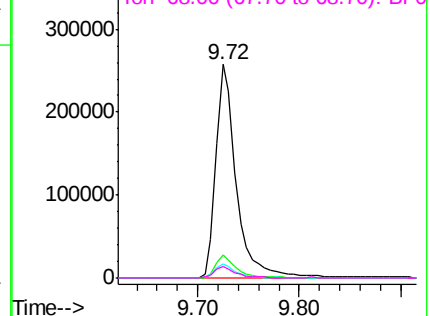


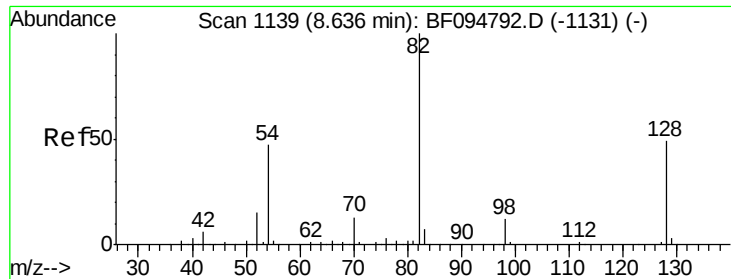
Abundance Ion 136.00 (135.70 to 136.70): E

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

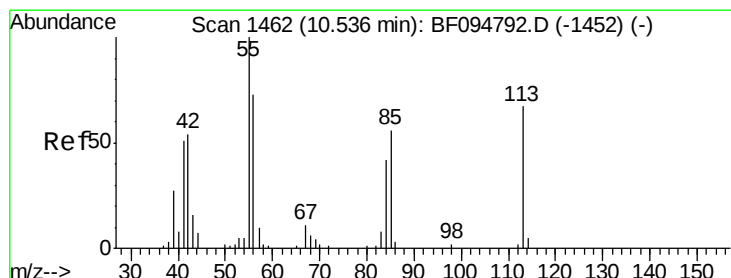
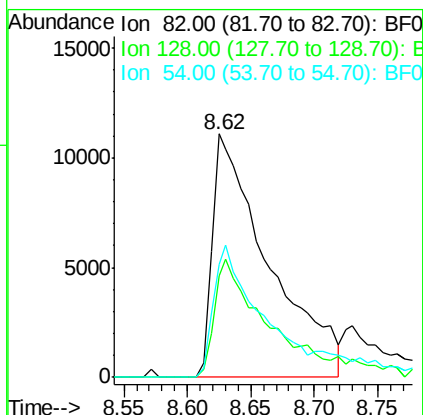
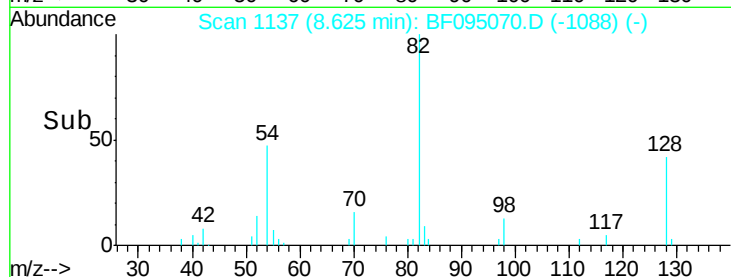
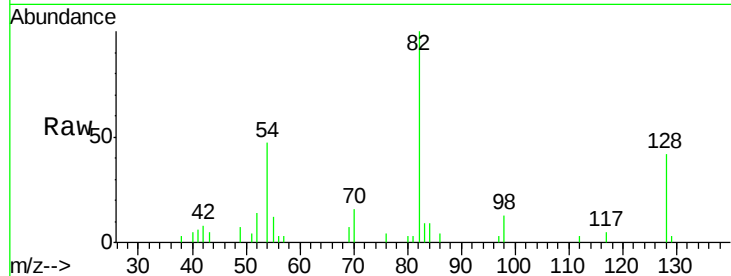




#23
 Nitrobenzene-d5
 Concen: 5.95 ng
 RT: 8.62 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF095070.D
 Acq: 10 May 2017 22:46

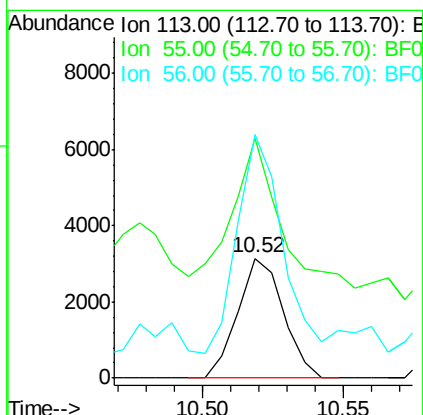
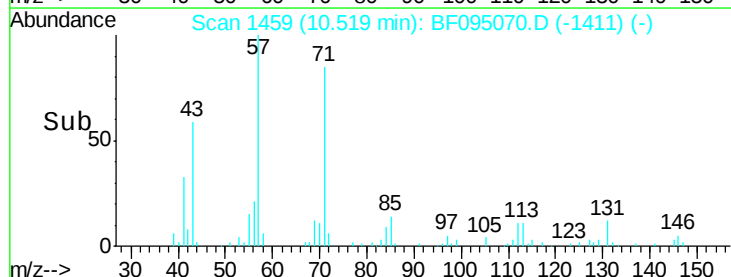
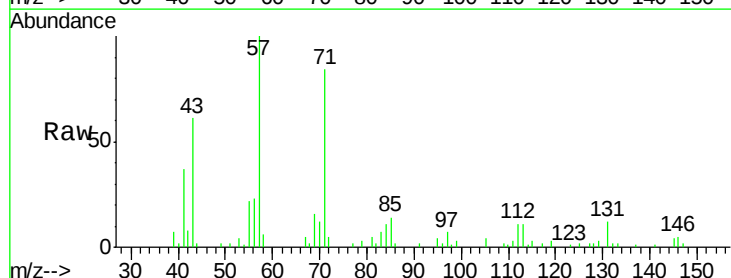
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB408A

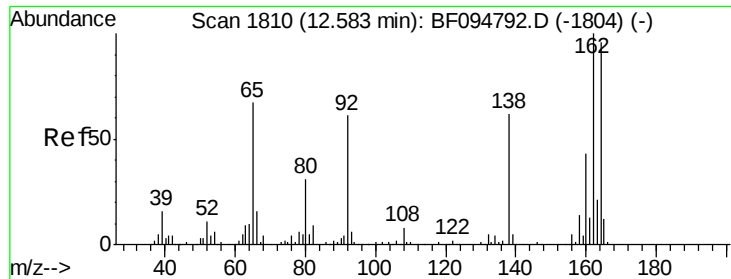
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	46.6	42.2	63.2



#35
 Caprolactam
 Concen: 2.37 ng
 RT: 10.52 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF095070.D
 Acq: 10 May 2017 22:46

Tgt Ion	Ratio	Lower	Upper
113	100		
55	201.0	150.2	190.2#
56	203.5	107.8	147.8#

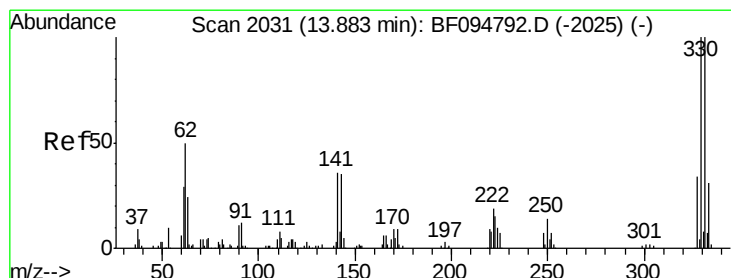
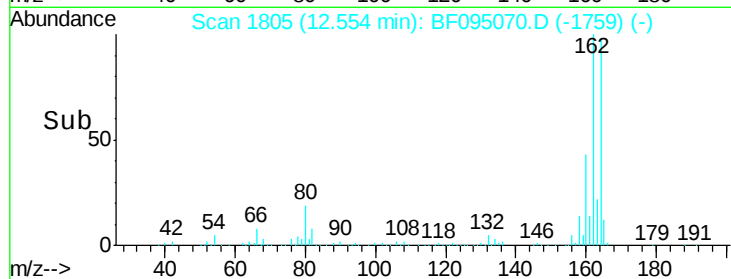
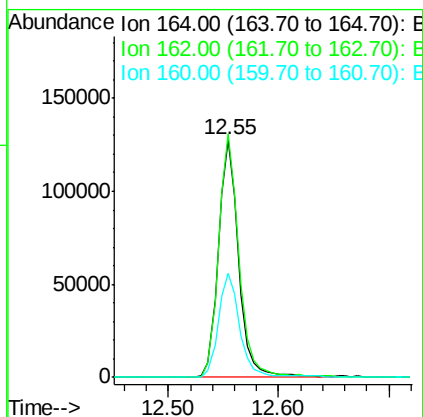
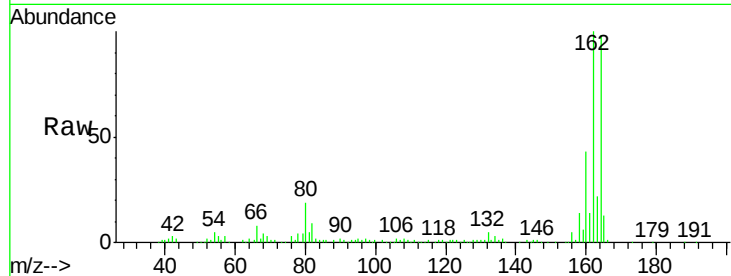




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.55 min Scan# 1805
Delta R.T. -0.03 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

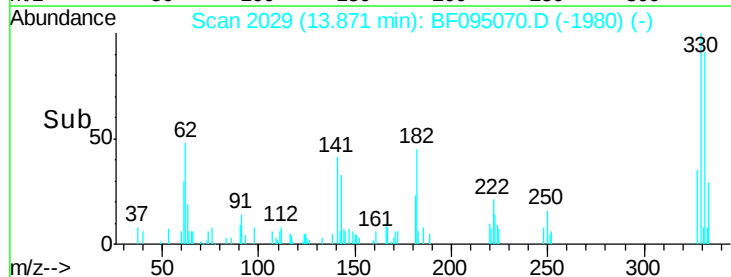
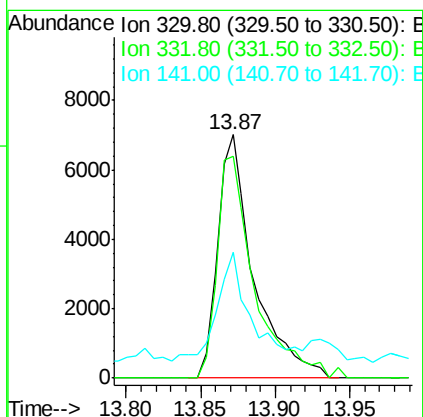
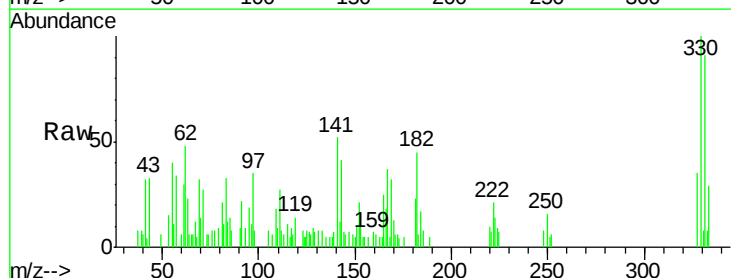
Instrument :
BNA_F
ClientSampleId :
HY-SB408A

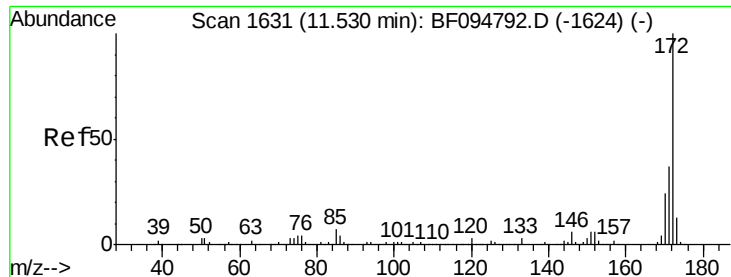
Tgt Ion:164 Resp: 163141
Ion Ratio Lower Upper
164 100
162 102.4 82.6 123.8
160 43.9 36.2 54.2



#41
2,4,6-Tribromophenol
Concen: 8.83 ng
RT: 13.87 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Tgt Ion:330 Resp: 11803
Ion Ratio Lower Upper
330 100
332 95.3 76.6 115.0
141 50.5 31.4 47.2#





#44

2-Fluorobiphenyl

Concen: 7.57 ng

RT: 11.50 min Scan# 1626

Delta R.T. -0.03 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Instrument :

BNA_F

ClientSampleId :

HY-SB408A

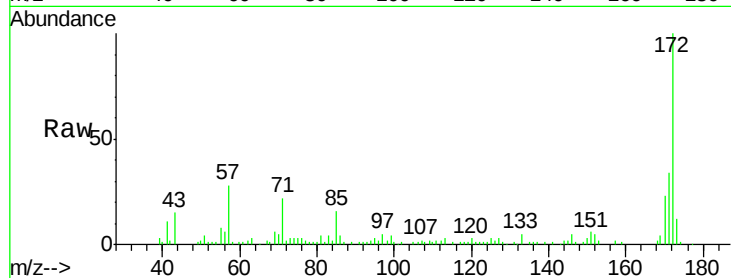
Tgt Ion:172 Resp: 85817

Ion Ratio Lower Upper

172 100

171 34.5 29.6 44.4

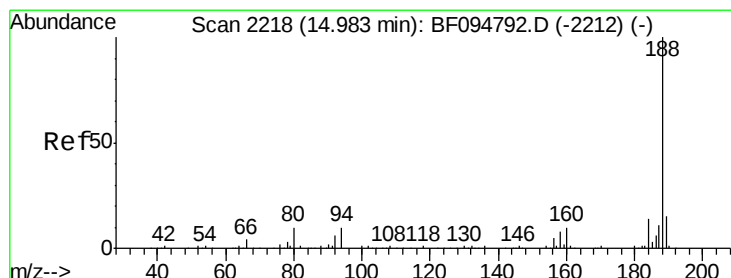
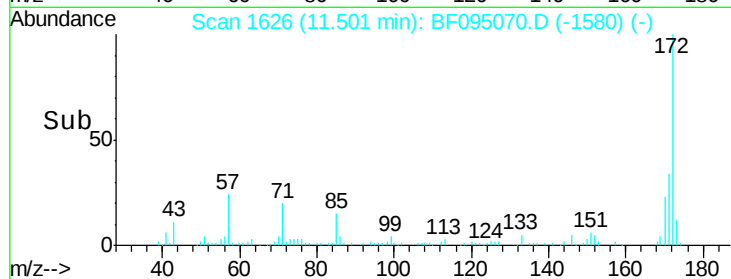
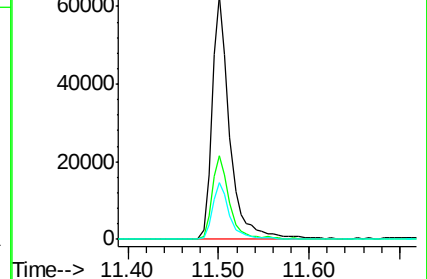
170 23.3 19.8 29.8



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: 14.96 min Scan# 2214

Delta R.T. -0.02 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

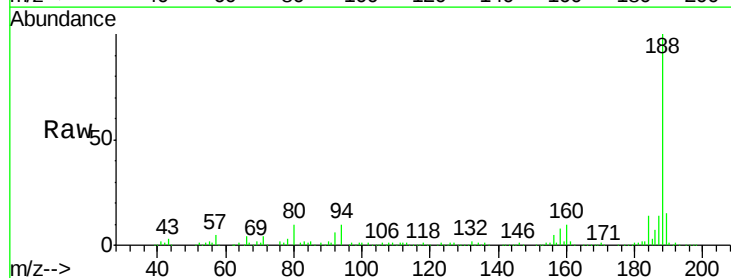
Tgt Ion:188 Resp: 261109

Ion Ratio Lower Upper

188 100

94 9.9 9.4 14.2

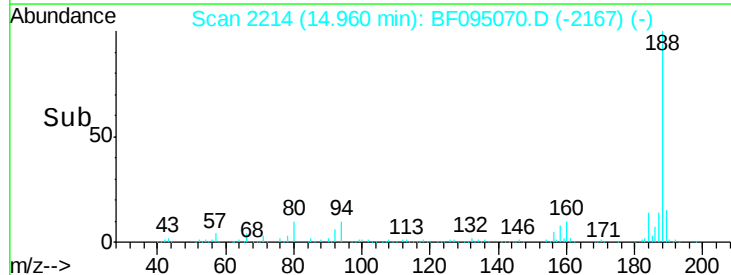
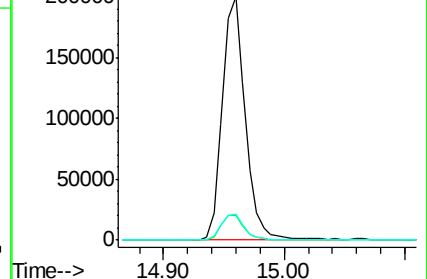
80 10.4 10.2 15.2

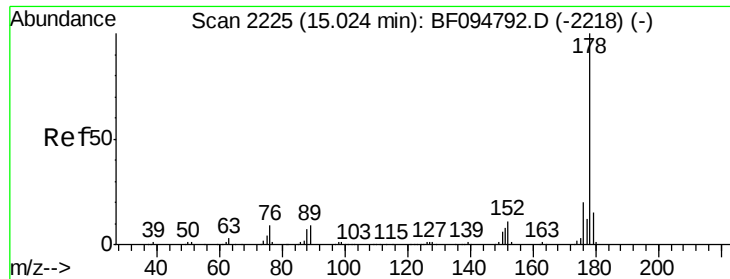


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 2.89 ng

RT: 15.00 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BF095070.D

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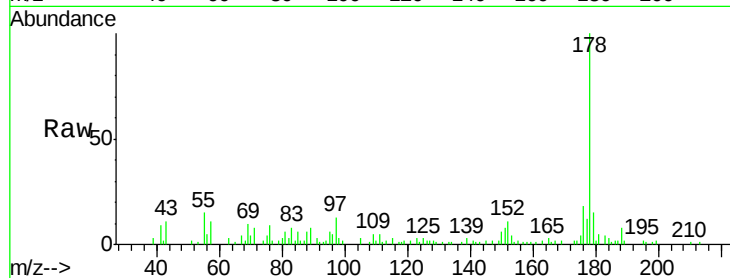
Tgt Ion:178 Resp: 43378

Ion Ratio Lower Upper

178 100

176 17.5 16.2 24.4

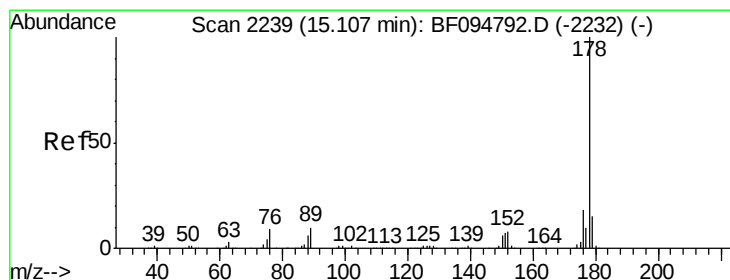
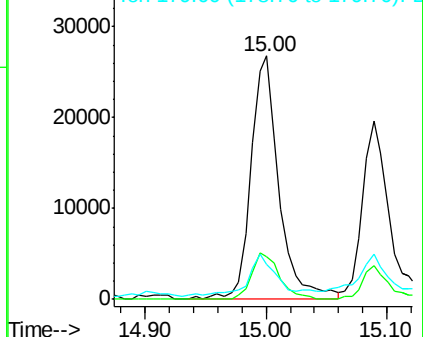
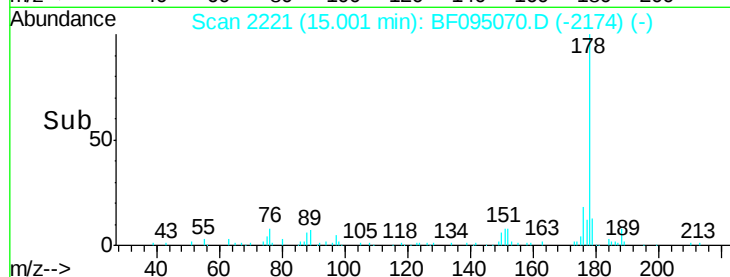
179 14.6 12.6 19.0



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



#71

Anthracene

Concen: 2.83 ng

RT: 15.00 min Scan# 2221

Delta R.T. -0.11 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

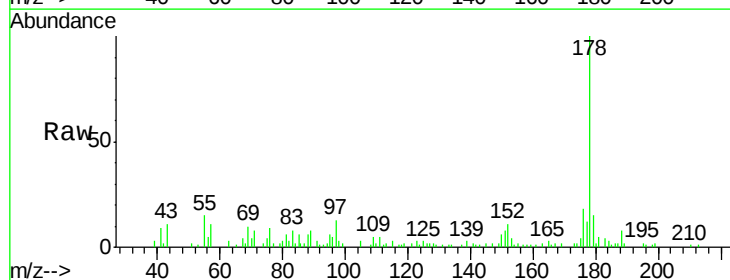
Tgt Ion:178 Resp: 43378

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

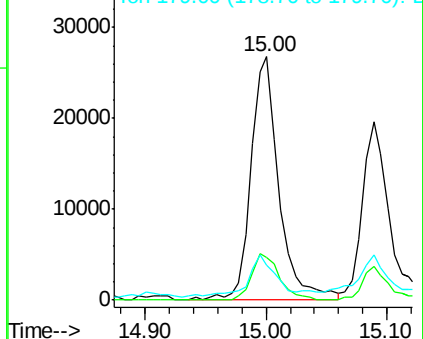
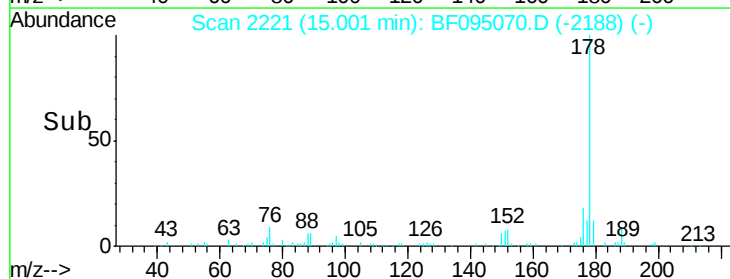
179 14.6 12.7 19.1

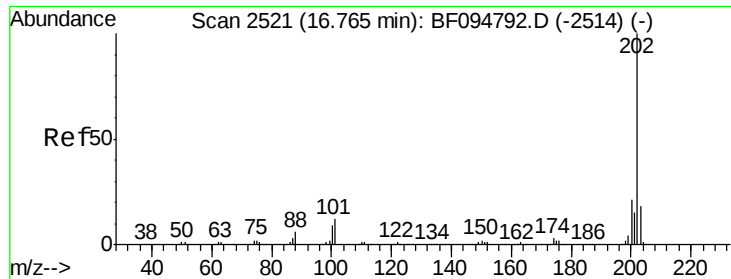


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.43 ng

RT: 16.75 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF095070.D

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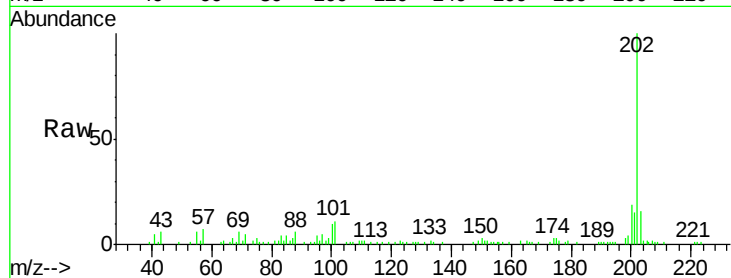
Tgt Ion:202 Resp: 52826

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.2

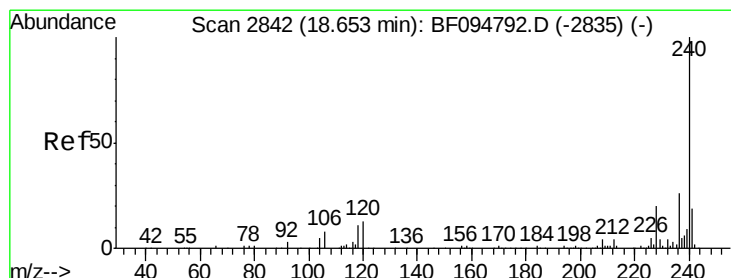
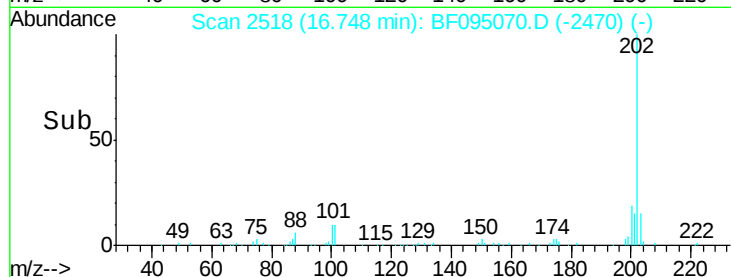
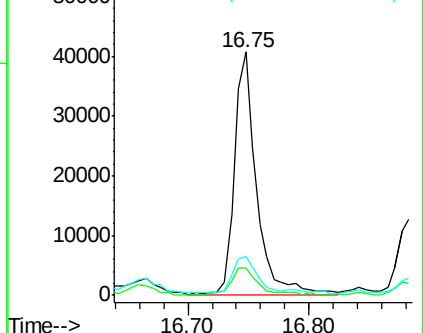
203 16.1 0.0 38.1



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: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

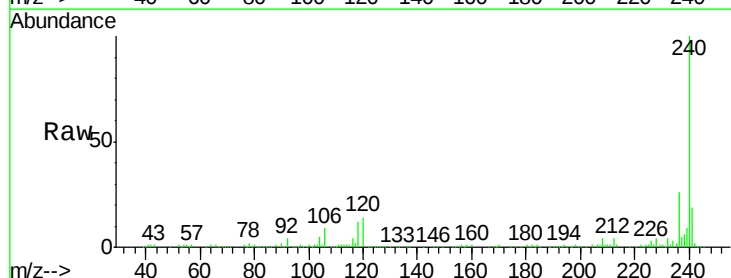
Tgt Ion:240 Resp: 235401

Ion Ratio Lower Upper

240 100

120 14.1 5.8 8.8#

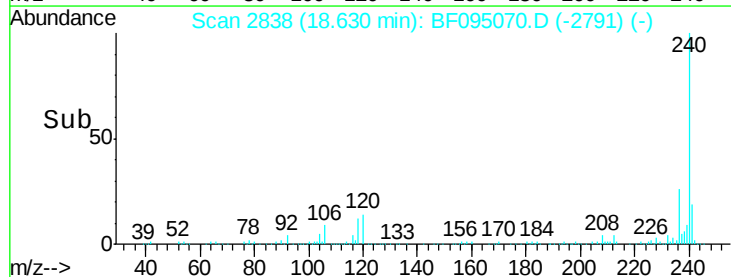
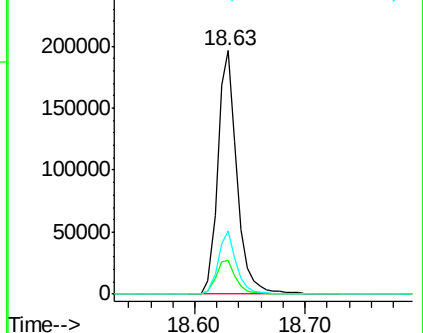
236 25.8 20.5 30.7

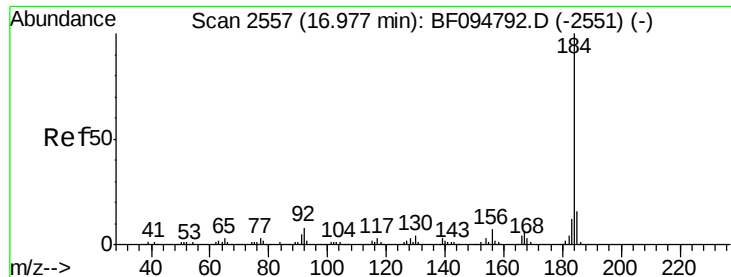


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 6.60 ng

RT: 16.72 min Scan# 2514

Delta R.T. -0.25 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Instrument :

BNA_F

ClientSampleId :

HY-SB408A

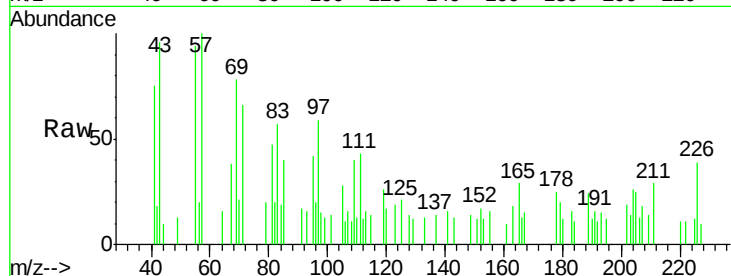
Tgt Ion:184 Resp: 112

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

183 154.4 9.8 14.6#



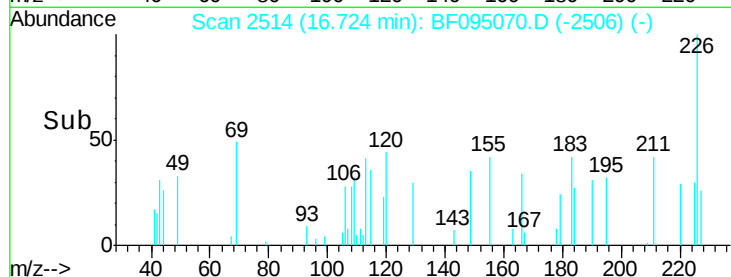
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

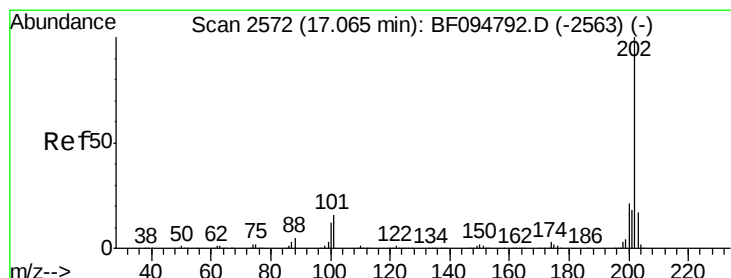
Ion 183.00 (182.70 to 183.70): E

16.72

16.74



Time-->



#77

Pyrene

Concen: 7.25 ng

RT: 17.04 min Scan# 2568

Delta R.T. -0.02 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

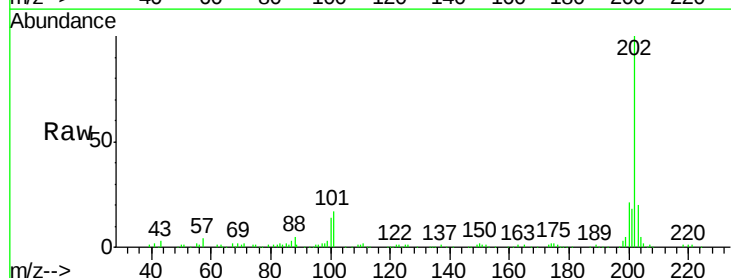
Tgt Ion:202 Resp: 127667

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

203 20.1 14.4 21.6



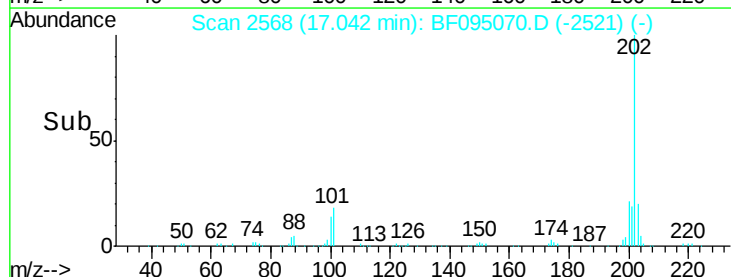
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

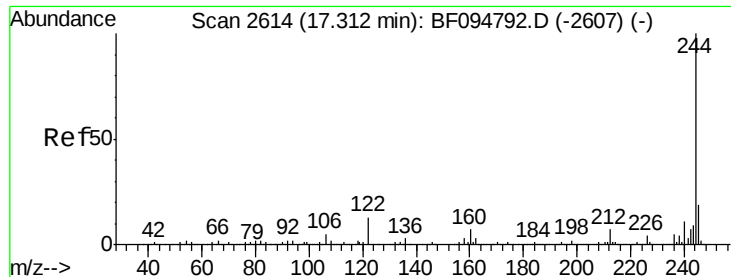
Ion 203.00 (202.70 to 203.70): E

17.04

17.10



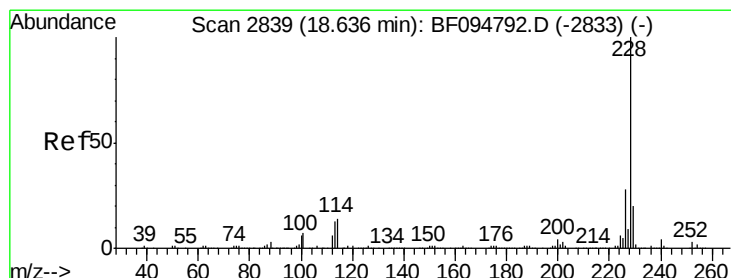
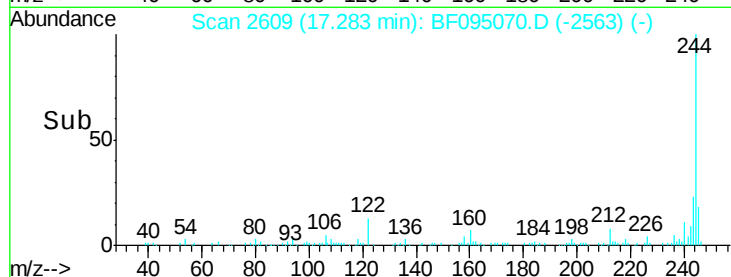
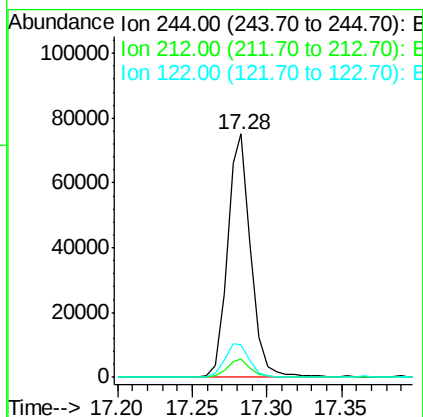
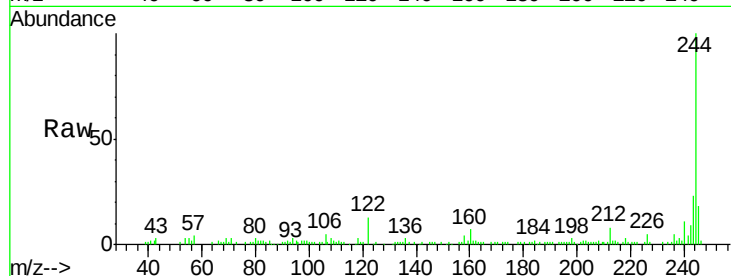
Time-->



#78
 Terphenyl-d14
 Concen: 7.67 ng
 RT: 17.28 min Scan# 2609
 Delta R.T. -0.03 min
 Lab File: BF095070.D
 Acq: 10 May 2017 22:46

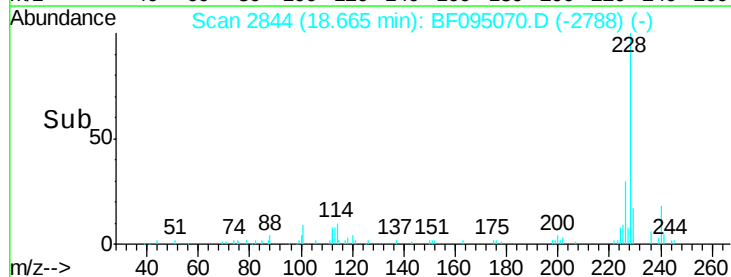
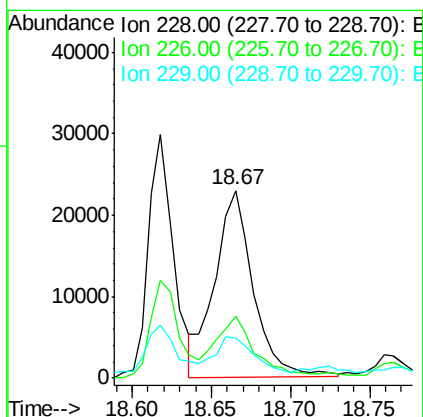
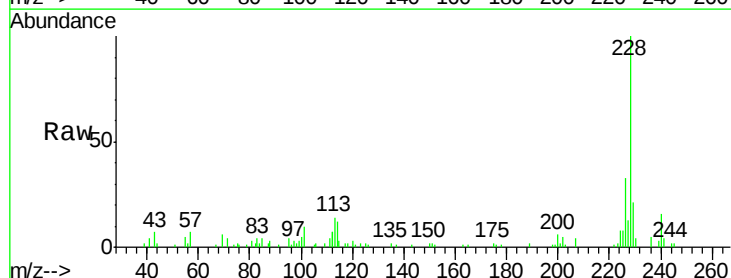
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB408A

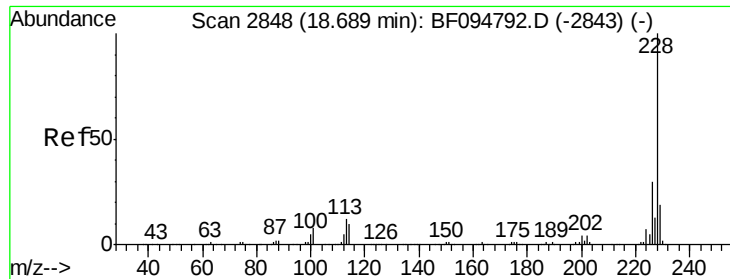
Tgt Ion:244 Resp: 81974
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 13.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.83 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. 0.03 min
 Lab File: BF095070.D
 Acq: 10 May 2017 22:46

Tgt Ion:228 Resp: 38832
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.6 33.8
 229 21.4 16.3 24.5





#82

Chrysene

Concen: 2.98 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

Instrument :

BNA_F

ClientSampleId :

HY-SB408A

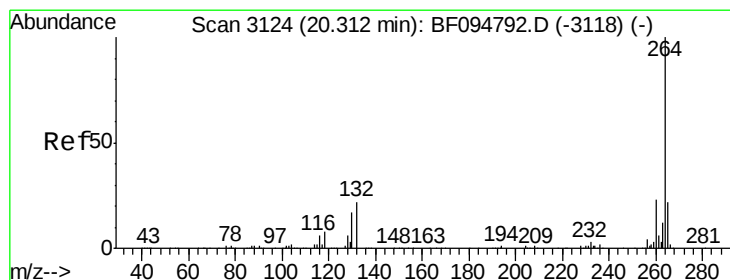
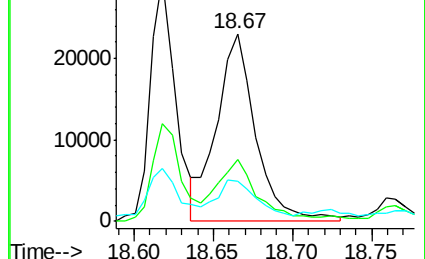
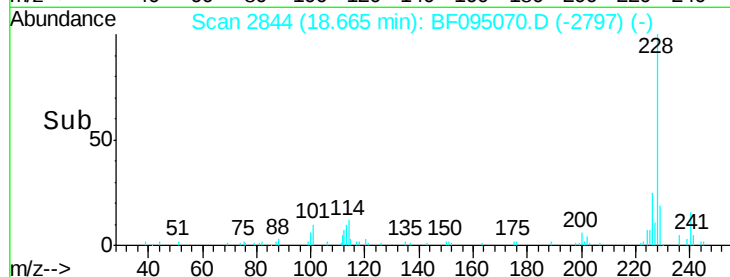
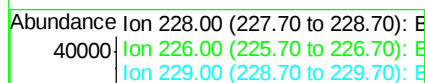
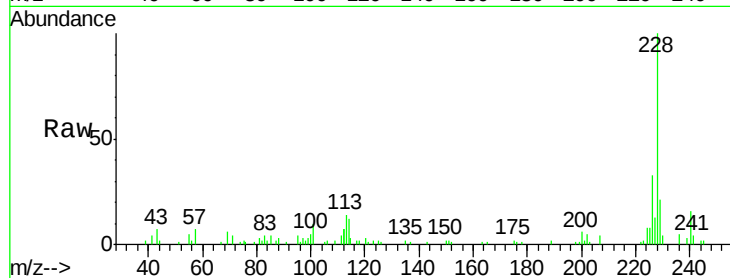
Tgt Ion: 228 Resp: 39453

Ion Ratio Lower Upper

228 100

226 33.1 24.9 37.3

229 21.4 15.8 23.6



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.29 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BF095070.D

Acq: 10 May 2017 22:46

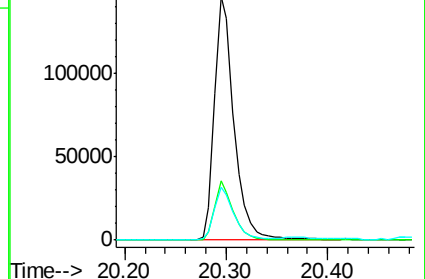
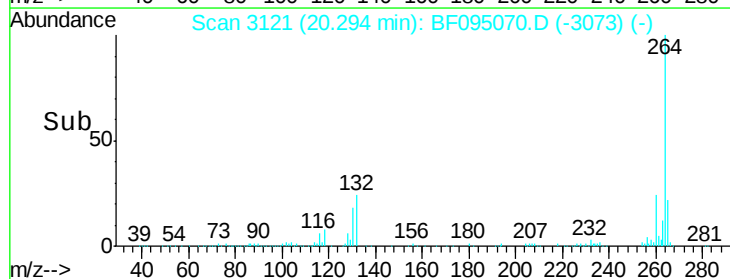
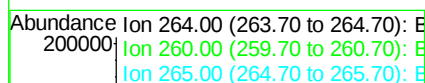
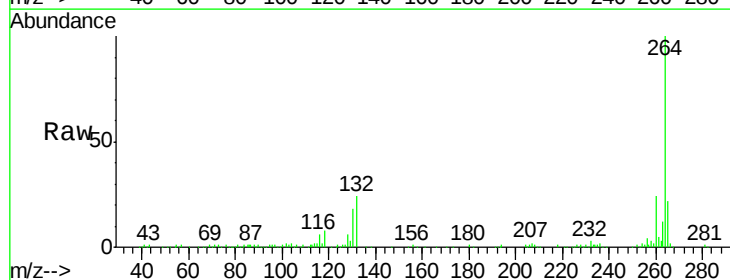
Tgt Ion: 264 Resp: 196369

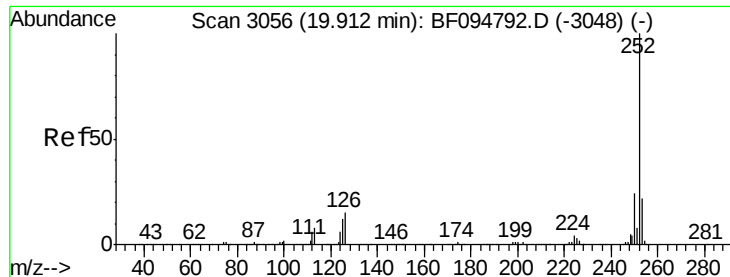
Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 22.0 17.2 25.8

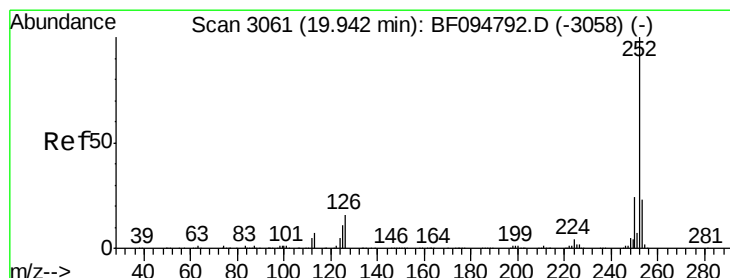
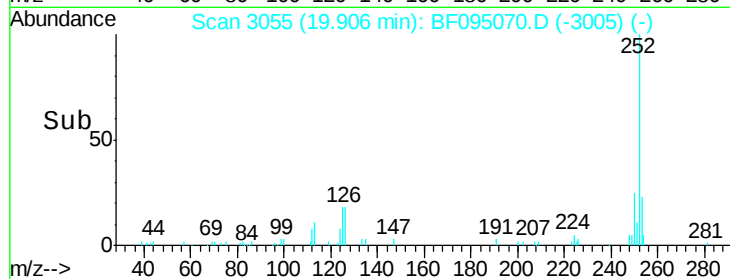
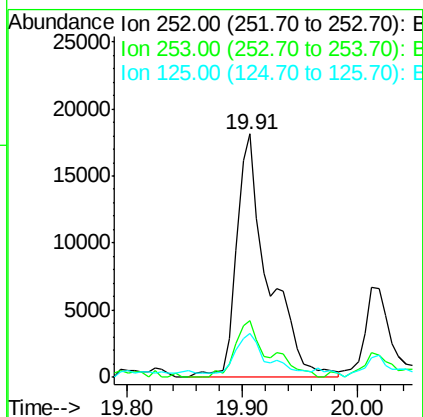
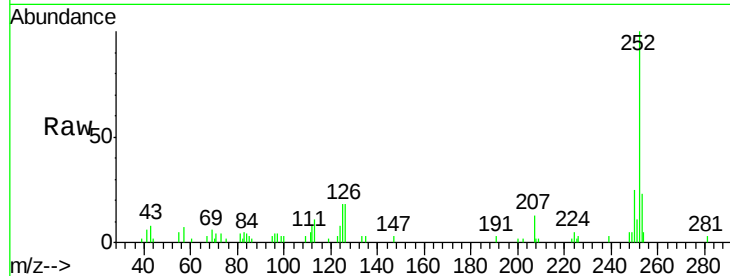




#87
Benzo(b)fluoranthene
Concen: 2.83 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

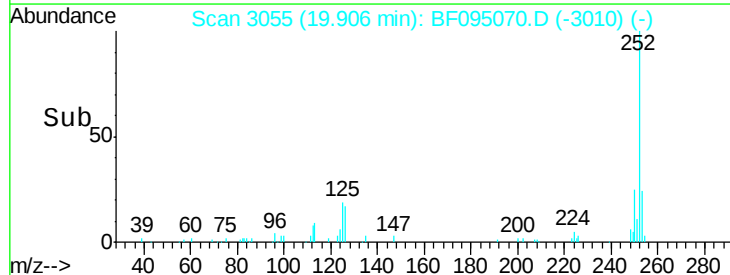
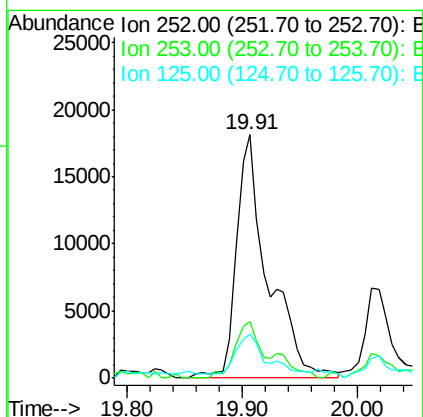
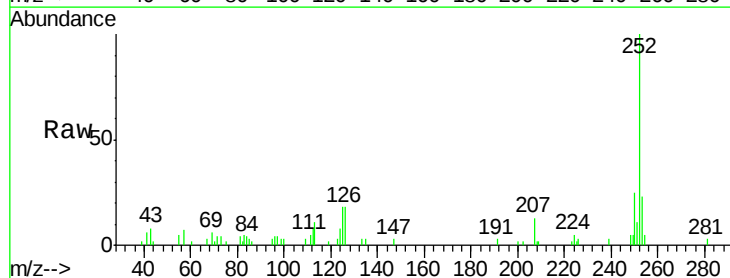
Instrument :
BNA_F
ClientSampleId :
HY-SB408A

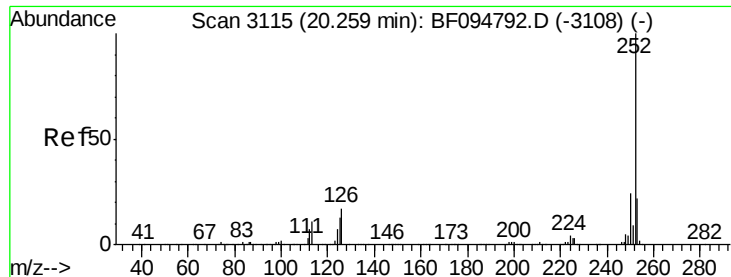
Tgt Ion:252 Resp: 34320
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 18.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.93 ng
RT: 19.91 min Scan# 3055
Delta R.T. -0.04 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Tgt Ion:252 Resp: 34320
Ion Ratio Lower Upper
252 100
253 23.3 18.4 27.6
125 18.1 13.1 19.7

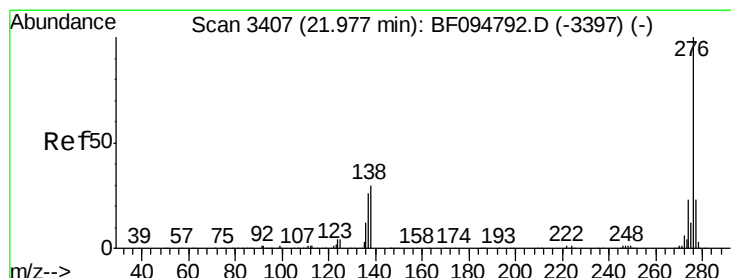
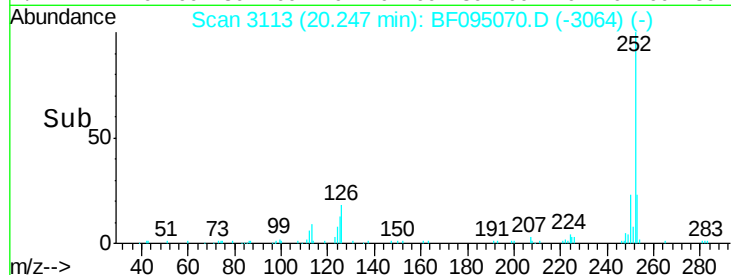
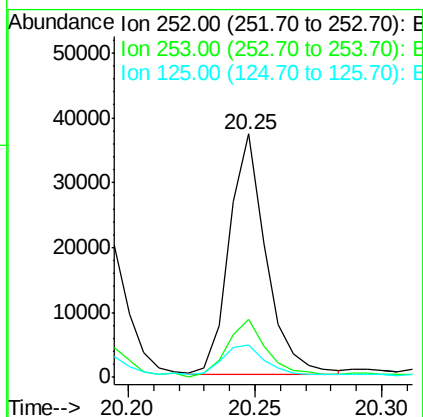
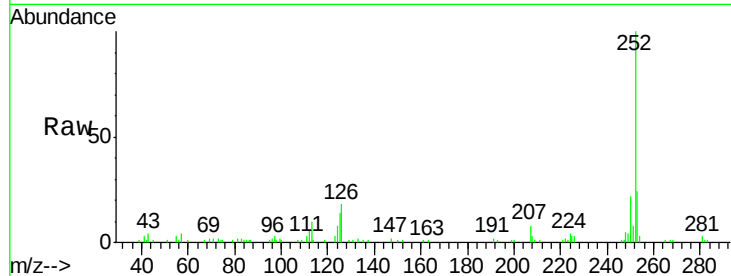




#89
Benzo(a)pyrene
Concen: 3.36 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Instrument :
BNA_F
ClientSampleId :
HY-SB408A

Tgt Ion:252 Resp: 37629
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 13.5 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 3.44 ng
RT: 21.99 min Scan# 3409
Delta R.T. 0.01 min
Lab File: BF095070.D
Acq: 10 May 2017 22:46

Tgt Ion:276 Resp: 31226
Ion Ratio Lower Upper
276 100
277 21.4 18.6 28.0
138 25.5 25.4 38.0

