

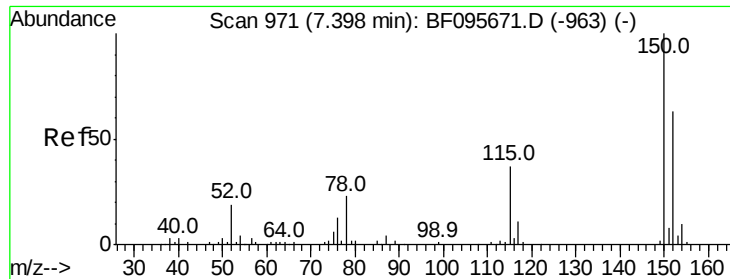
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095753.D
 Acq On : 7 Jun 2017 18:59
 Operator : SJ/MA
 Sample : I3479-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 08 04:07:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	75349	20.00	ng	-0.02
21) Naphthalene-d8	9.42	136	292450	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	118969	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	177083	20.00	ng	-0.01
75) Chrysene-d12	18.34	240	140602	20.00	ng	-0.01
86) Perylene-d12	20.02	264	100674	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	501992	106.16	ng	-0.01
7) Phenol-d6	6.95	99	608973	107.57	ng	-0.01
23) Nitrobenzene-d5	8.30	82	355357	75.46	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	99467	94.50	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	641043	74.98	ng	-0.02
78) Terphenyl-d14	17.00	244	373737	65.97	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.30	70	45092	12.57	ng	# 77
49) Dimethylphthalate	11.89	163	118898	13.16	ng	100
55) 4-Nitrophenol	12.59	139	1196	5.47	ng	# 25
70) Phenanthrene	14.67	178	72792	7.12	ng	95
71) Anthracene	14.67	178	72792	6.82	ng	96
74) Fluoranthene	16.44	202	101276	10.01	ng	98
77) Pyrene	16.75	202	78890	7.52	ng	95
80) Benzo(a)anthracene	18.33	228	31796	3.89	ng	97
82) Chrysene	18.38	228	42088	5.15	ng	94
83) Bis(2-ethylhexyl)phthalate	18.42	149	36320	5.62	ng	# 98
87) Benzo(b)fluoranthene	19.62	252	51378	8.15	ng	# 86
88) Benzo(k)fluoranthene	19.62	252	51378	8.53	ng	# 91
89) Benzo(a)pyrene	19.97	252	22804	3.94	ng	# 82
91) Benzo(g,h,i)perylene	21.55	276	14025	2.80	ng	# 84

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

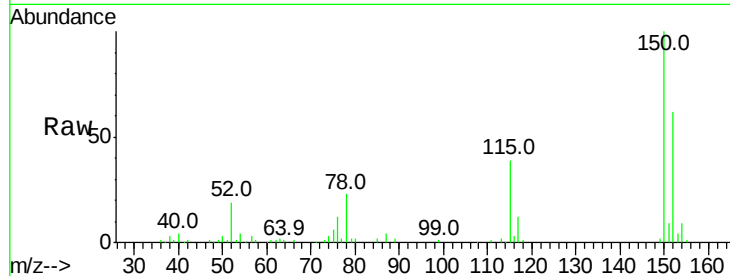


#1

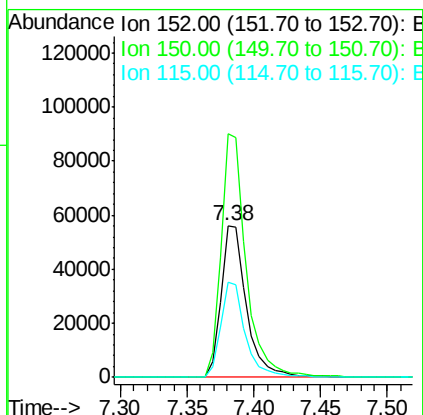
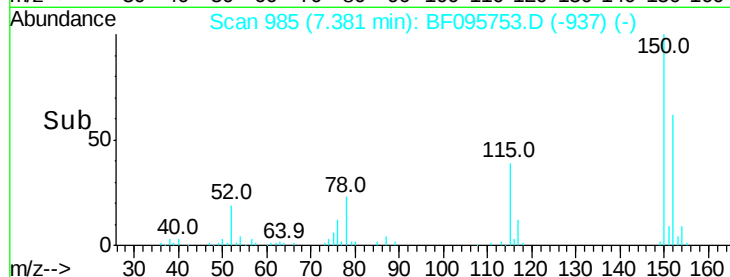
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 75349
Ion Ratio Lower Upper
152 100
150 160.3 126.2 189.2
115 63.0 52.2 78.2



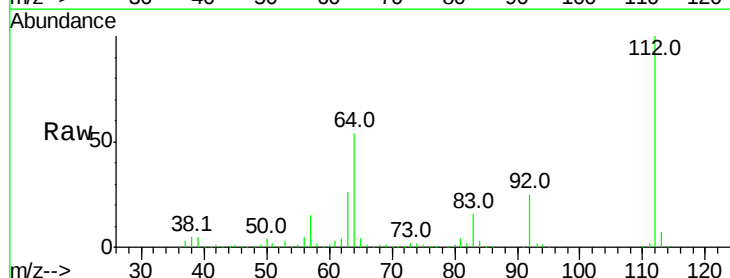
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



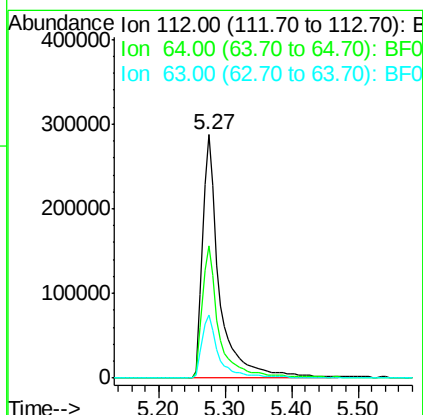
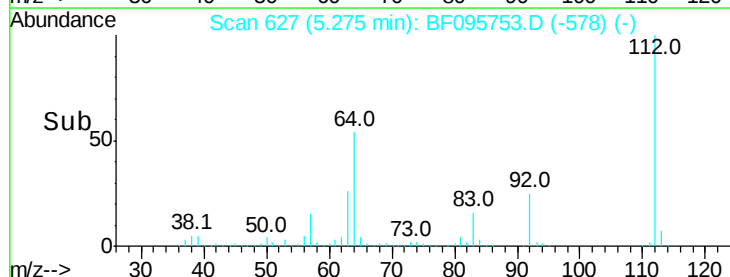
#5

2-Fluorophenol
Concen: 106.16 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Tgt Ion:112 Resp: 501992
Ion Ratio Lower Upper
112 100
64 54.4 46.0 69.0
63 26.0 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: 107.57 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

Instrument :

BNA_F

ClientSampleId :

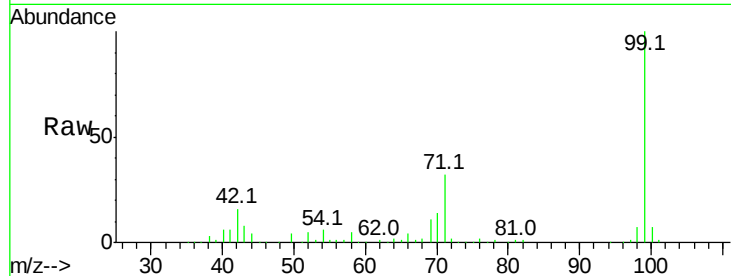
Tot Ion: 99 Resp: 608973

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

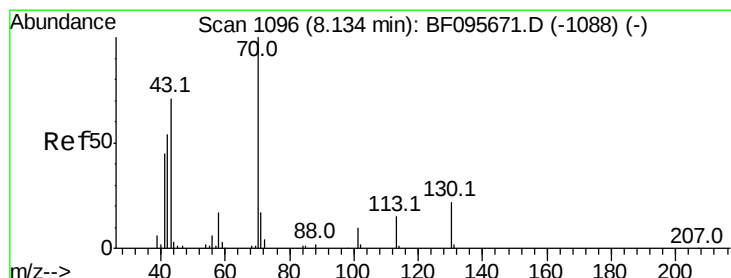
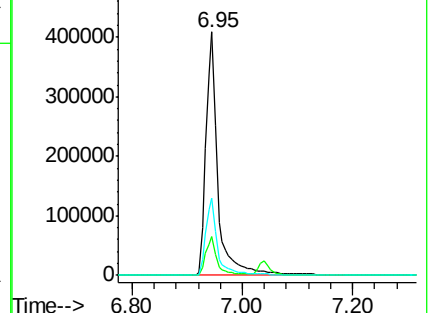
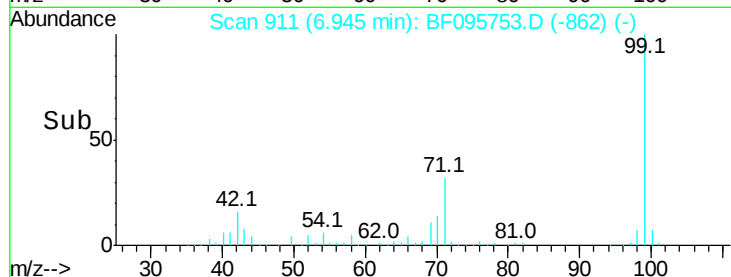
71 31.9 24.5 36.7



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: 12.57 ng

RT: 8.30 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

Tgt Ion: 70 Resp: 45092

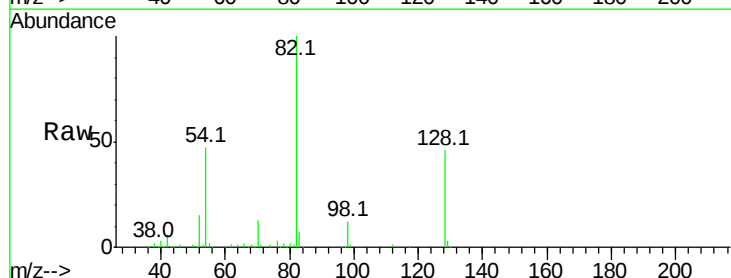
Ion Ratio Lower Upper

70 100

42 45.4 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

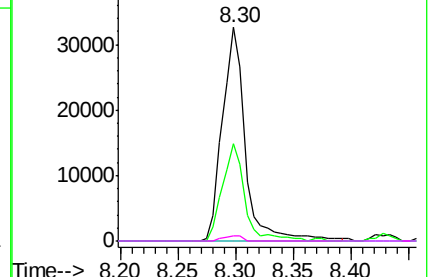
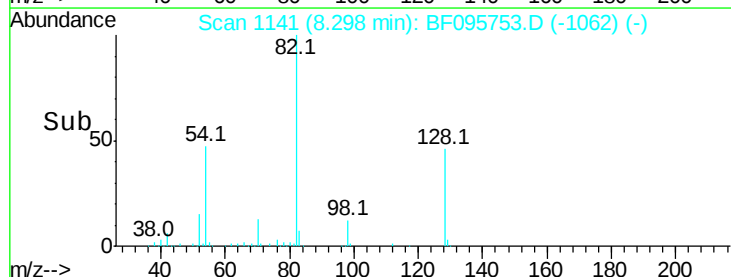


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.42 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 292450

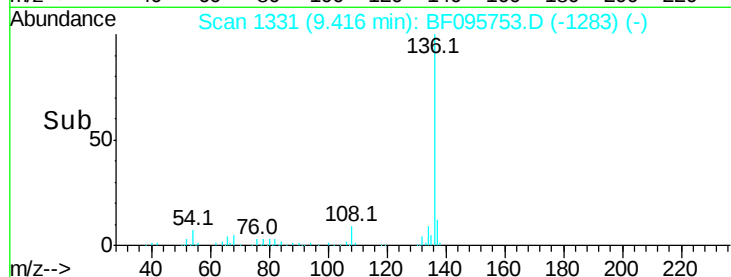
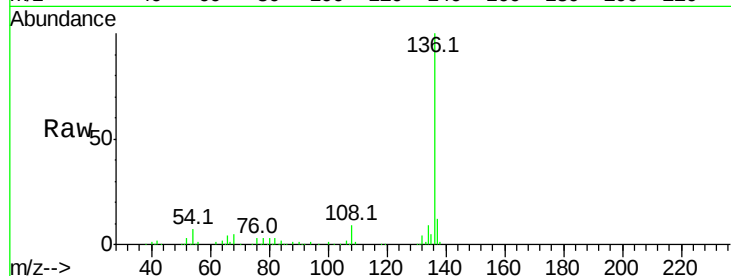
Ion Ratio Lower Upper

136 100

137 12.0 8.5 12.7

54 6.9 4.9 7.3

68 5.3 4.1 6.1

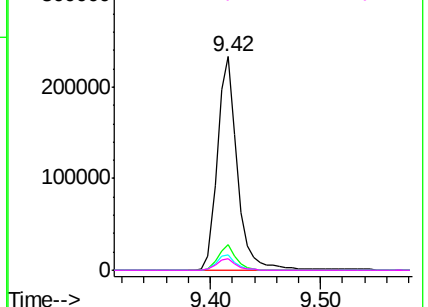


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.46 ng

RT: 8.30 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

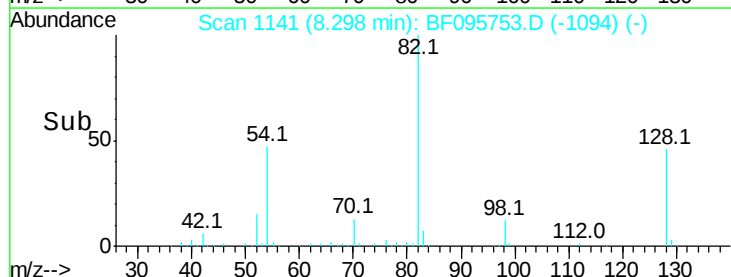
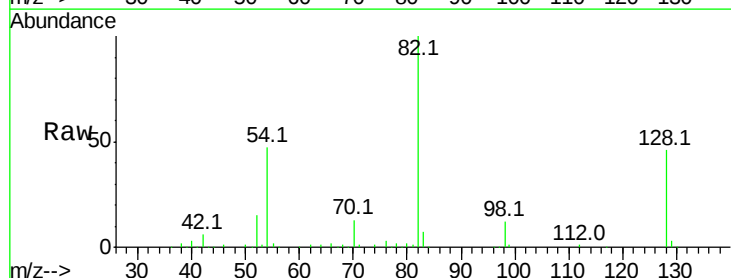
Tgt Ion: 82 Resp: 355357

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

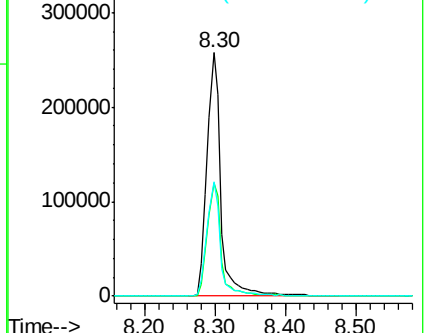
54 46.8 42.2 63.2

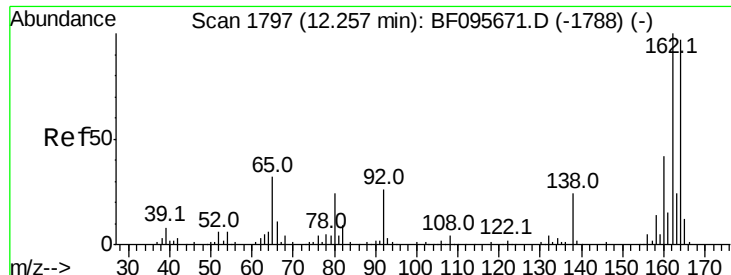


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

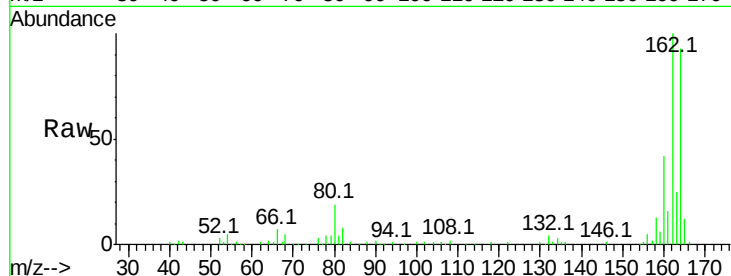




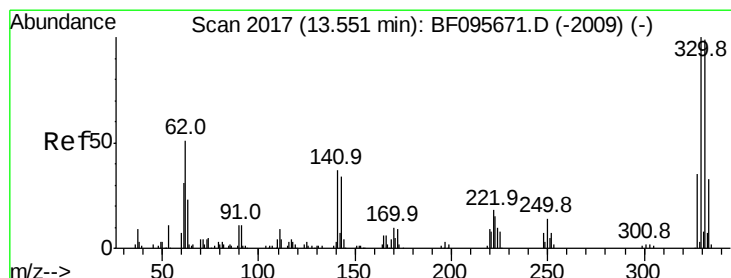
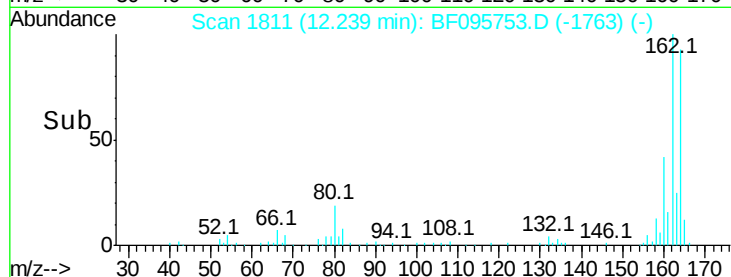
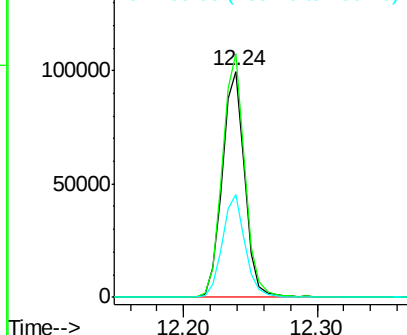
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 118969
Ion Ratio Lower Upper
164 100
162 107.9 82.6 123.8
160 45.5 36.2 54.2

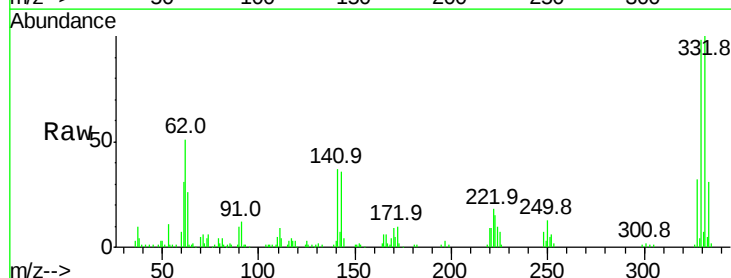


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

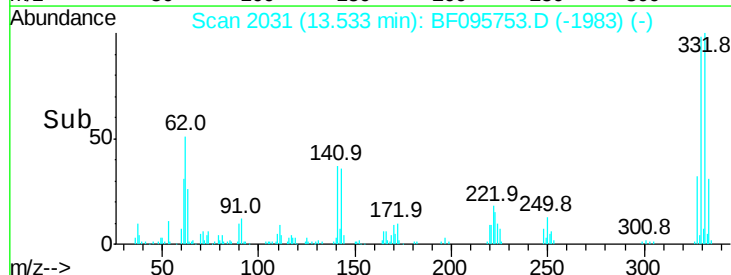
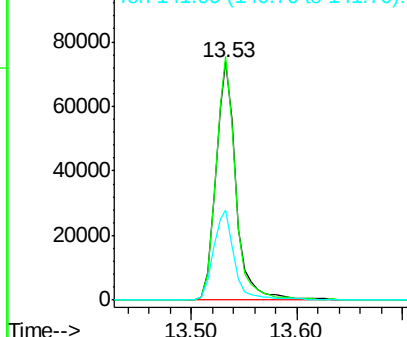


#41
2,4,6-Tribromophenol
Concen: 94.50 ng
RT: 13.53 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Tgt Ion:330 Resp: 99467
Ion Ratio Lower Upper
330 100
332 98.6 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

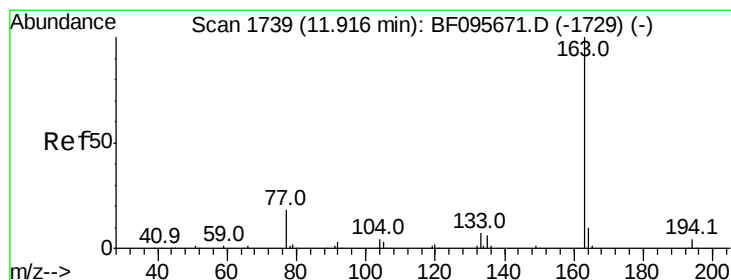
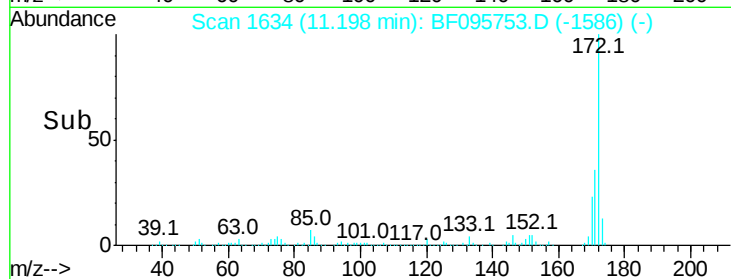
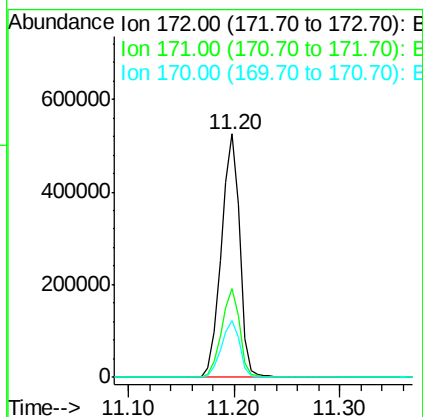
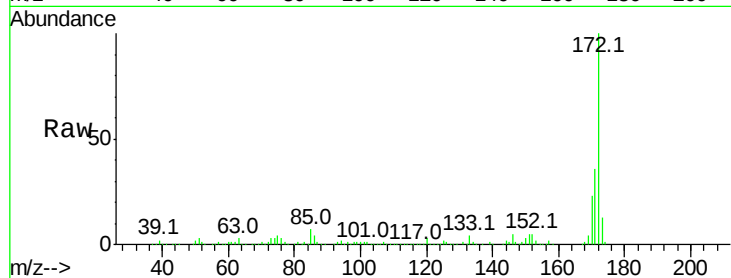




#44
2-Fluorobiphenyl
Concen: 74.98 ng
RT: 11.20 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

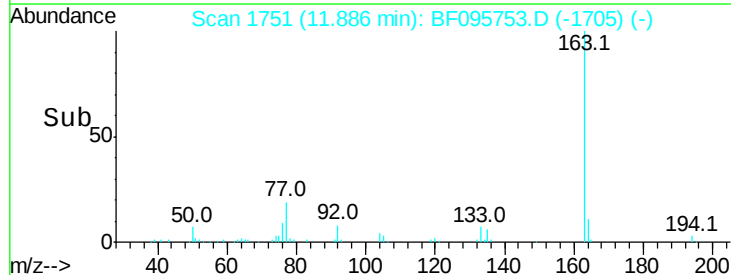
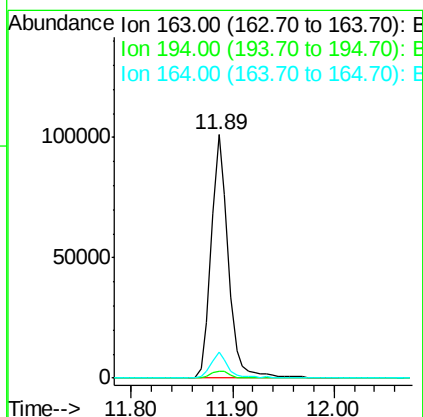
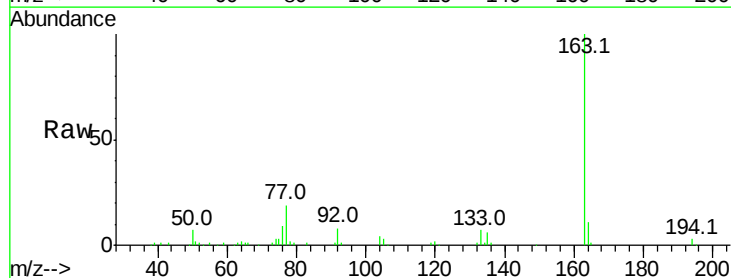
Instrument :
BNA_F
ClientSampleId :

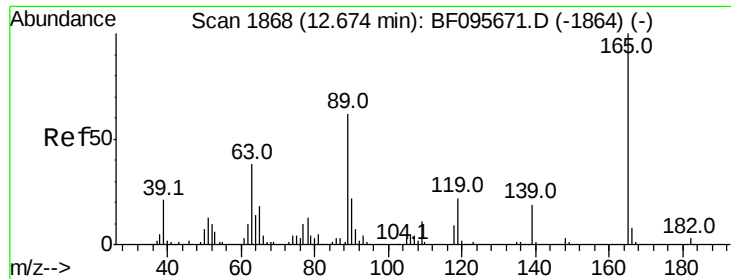
Tot Ion:172 Resp: 641043
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 23.2 19.8 29.8



#49
Dimethylphthalate
Concen: 13.16 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Tgt Ion:163 Resp: 118898
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.5 8.4 12.6

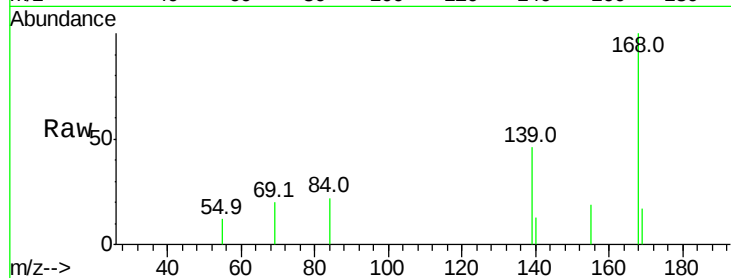




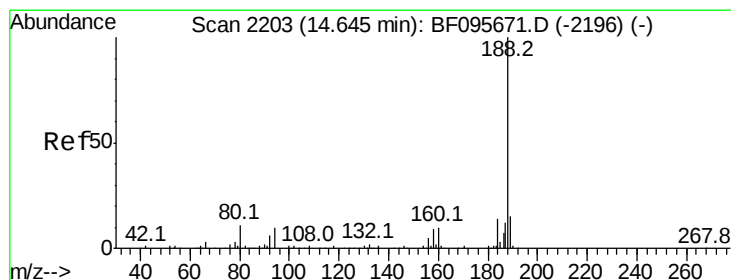
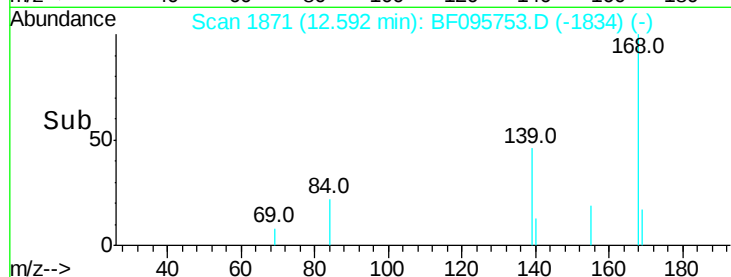
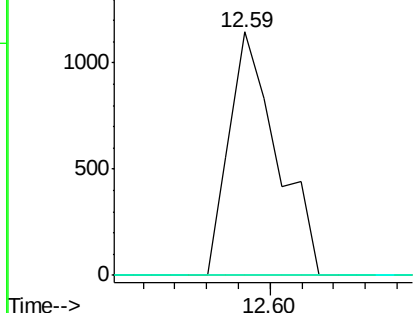
#55
4-Nitrophenol
Concen: 5.47 ng
RT: 12.59 min Scan# 1871
Delta R.T. -0.08 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1196
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

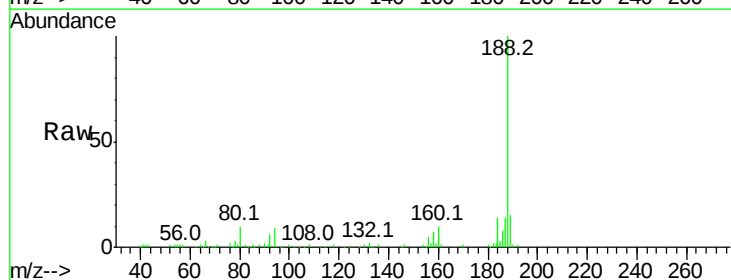


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

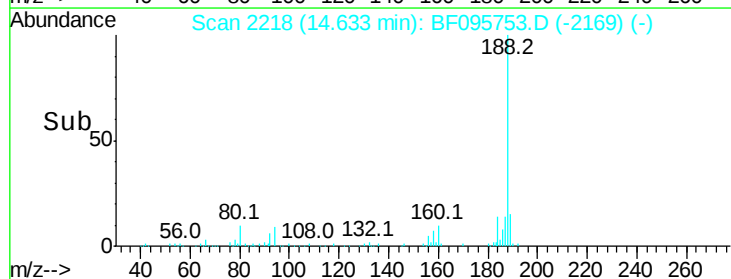
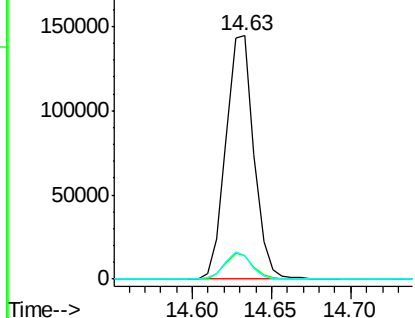


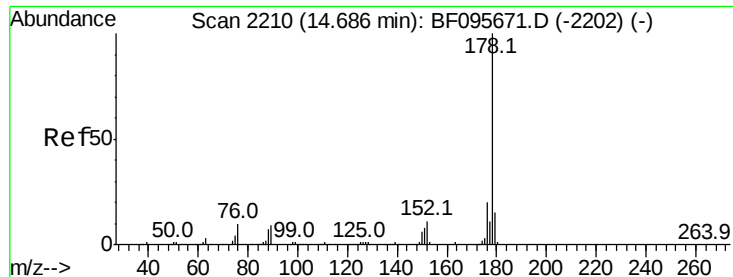
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Tgt Ion:188 Resp: 177083
Ion Ratio Lower Upper
188 100
94 9.5 9.4 14.2
80 9.7 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

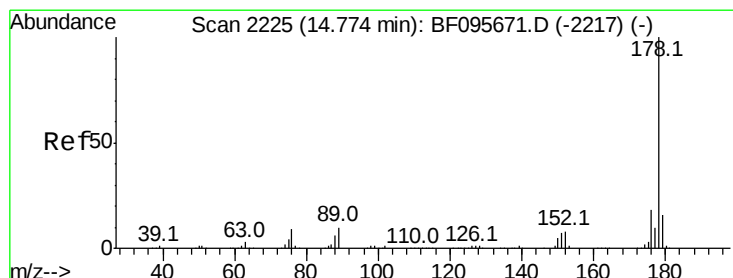
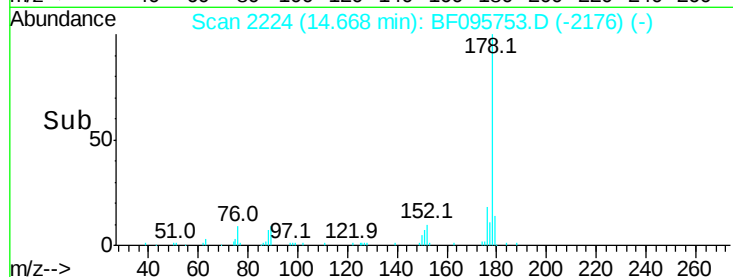
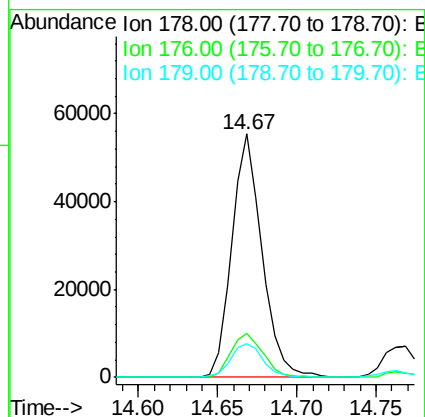
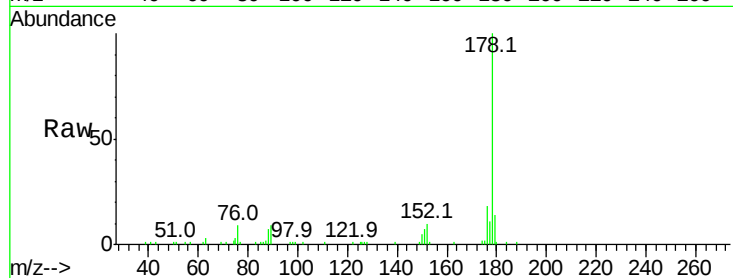




#70
Phenanthrene
Concen: 7.12 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

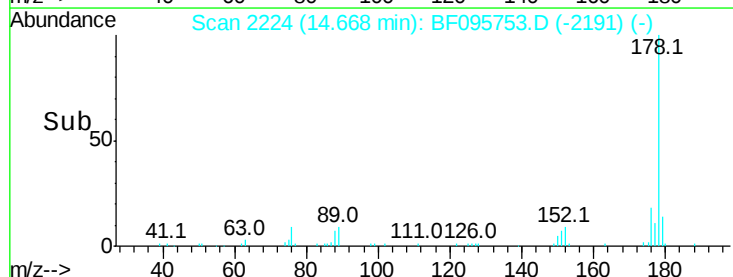
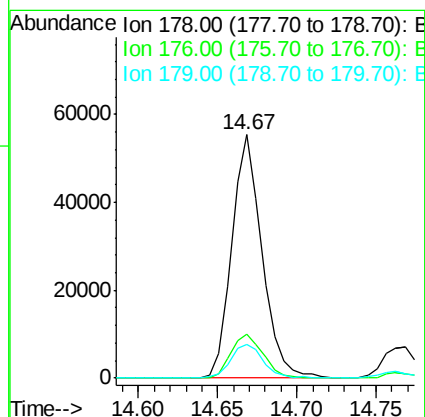
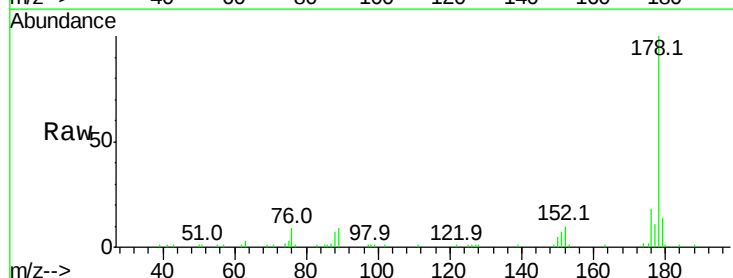
Instrument :
BNA_F
ClientSampleId :

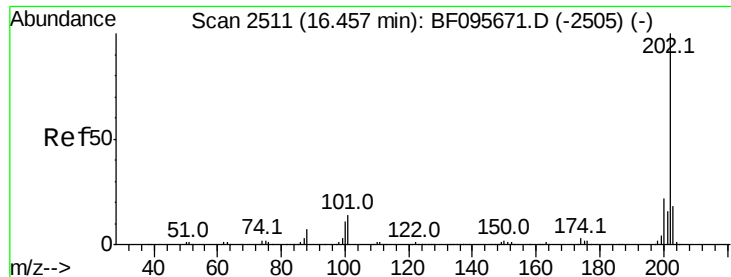
Tot Ion:178 Resp: 72792
Ion Ratio Lower Upper
178 100
176 18.0 16.2 24.4
179 14.0 12.6 19.0



#71
Anthracene
Concen: 6.82 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.11 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Tgt Ion:178 Resp: 72792
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.8
179 14.0 12.7 19.1

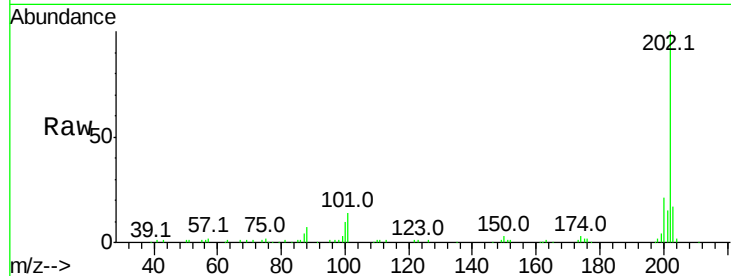




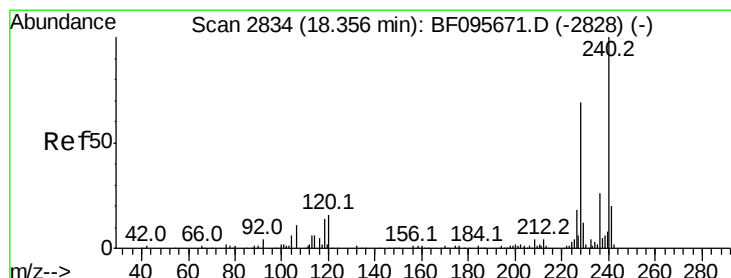
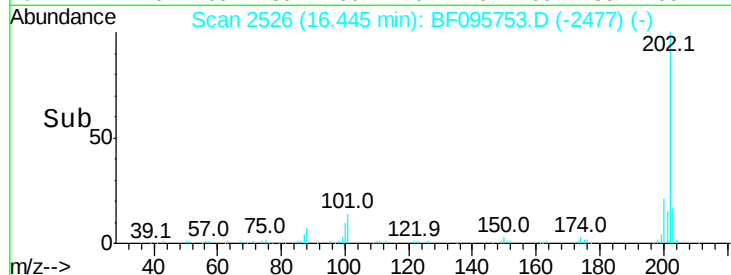
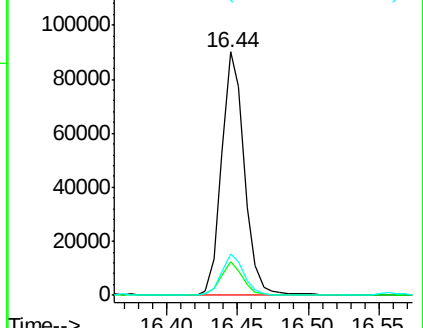
#74
Fluoranthene
Concen: 10.01 ng
RT: 16.44 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 101276
Ion Ratio Lower Upper
202 100
101 13.6 0.0 33.2
203 17.2 0.0 38.1

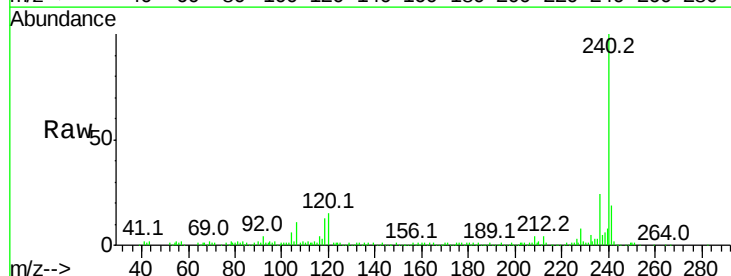


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

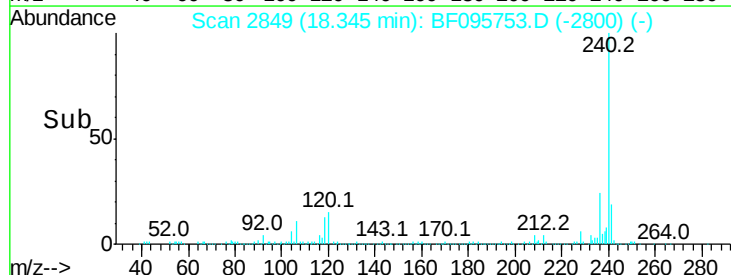
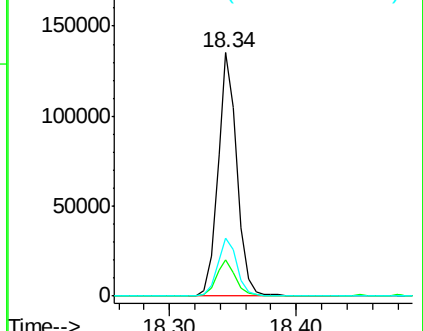


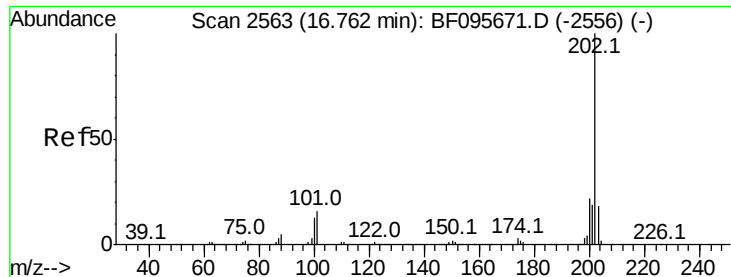
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.34 min Scan# 2849
Delta R.T. -0.01 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Tgt Ion:240 Resp: 140602
Ion Ratio Lower Upper
240 100
120 15.0 5.8 8.8#
236 24.1 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

Pvrene

Concen: 7.52 ng

RT: 16.75 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

Instrument :

BNA_F

ClientSampleId :

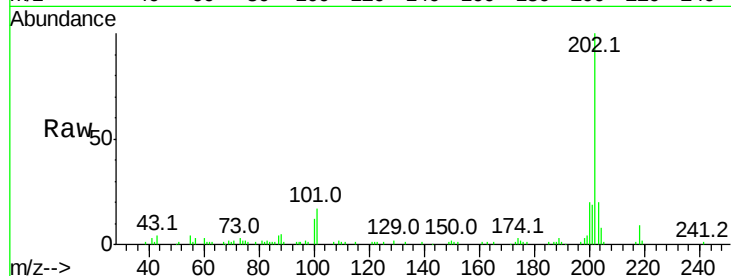
Tot Ion:202 Resp: 78890

Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

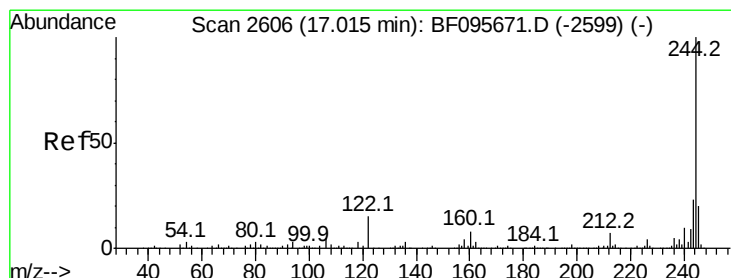
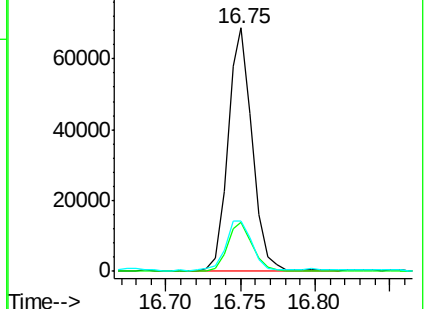
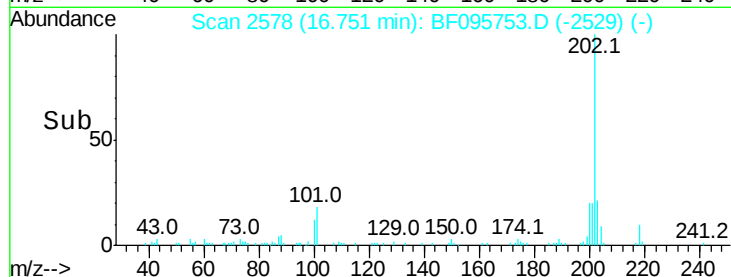
203 20.5 14.4 21.6



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: 65.97 ng

RT: 17.00 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

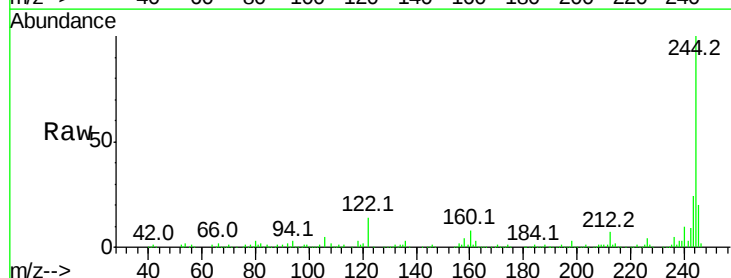
Tgt Ion:244 Resp: 373737

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

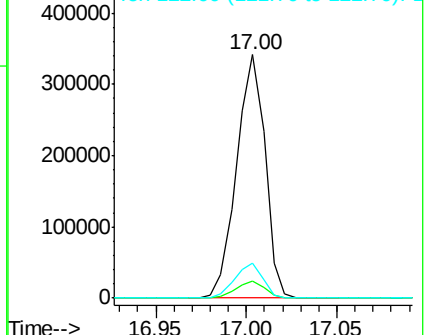
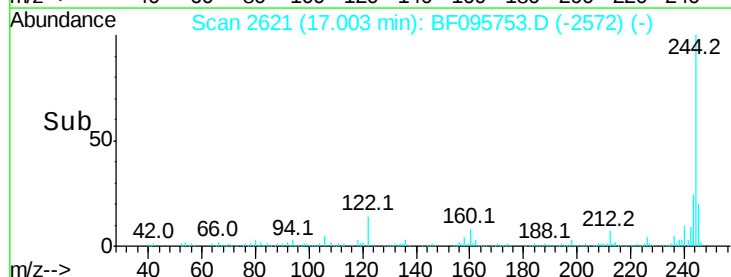
122 14.2 10.3 15.5

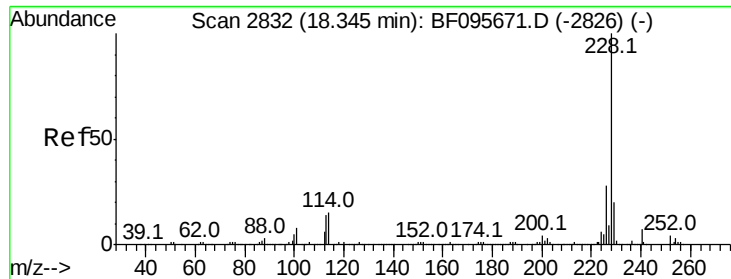


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

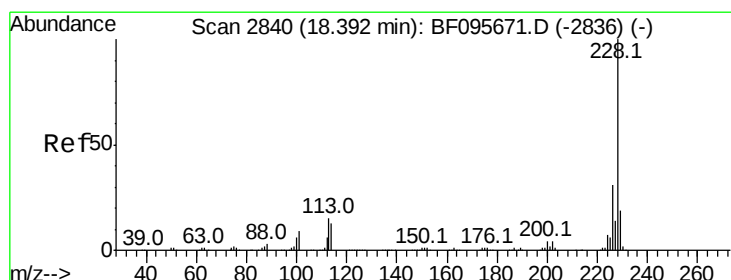
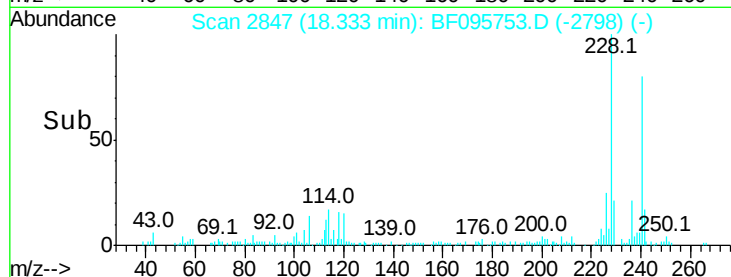
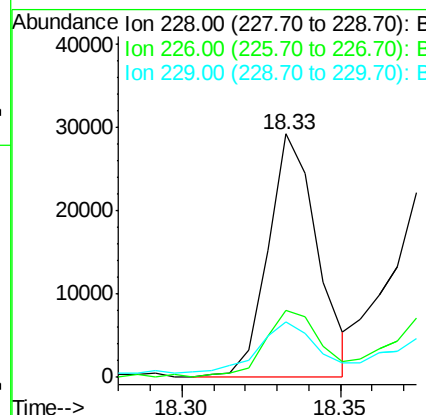
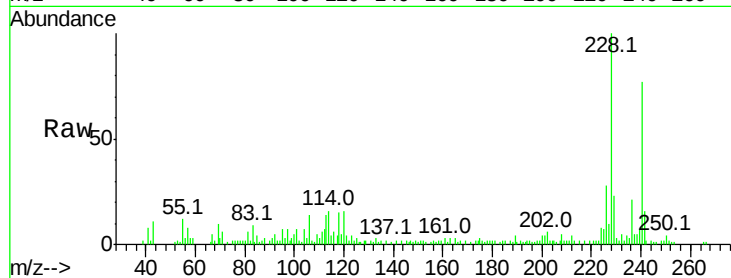




#80
Benzo(a)anthracene
Concen: 3.89 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

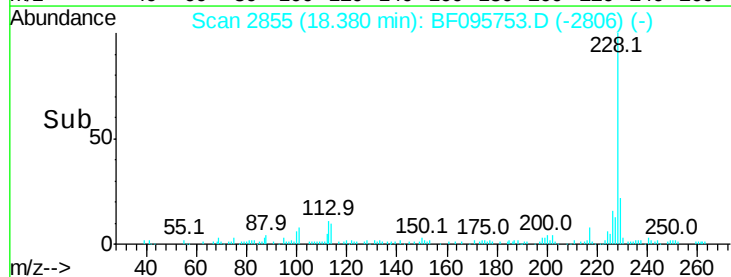
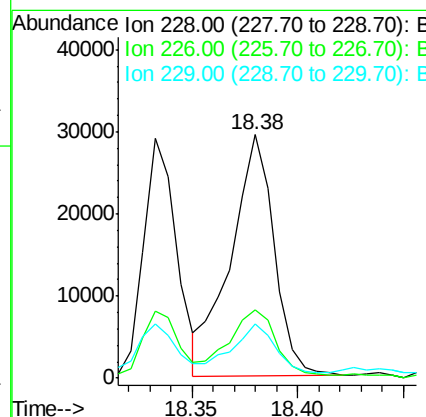
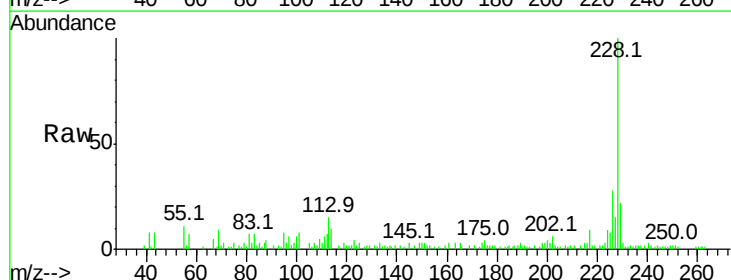
Instrument :
BNA_F
ClientSampleId :

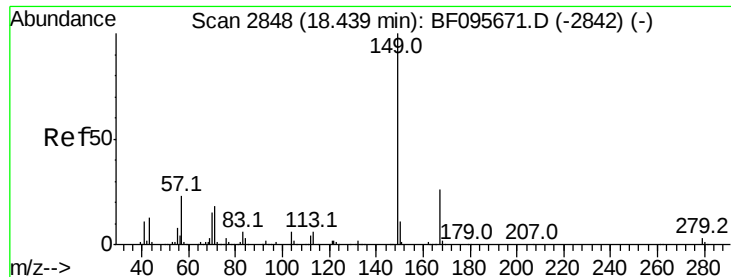
Tot Ion:228 Resp: 31796
Ion Ratio Lower Upper
228 100
226 27.7 22.6 33.8
229 22.9 16.3 24.5



#82
Chrysene
Concen: 5.15 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095753.D
Acq: 7 Jun 2017 18:59

Tgt Ion:228 Resp: 42088
Ion Ratio Lower Upper
228 100
226 28.0 24.9 37.3
229 22.2 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.62 ng

RT: 18.42 min Scan# 2862

Delta R.T. -0.02 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

Instrument :

BNA_F

ClientSampleId :

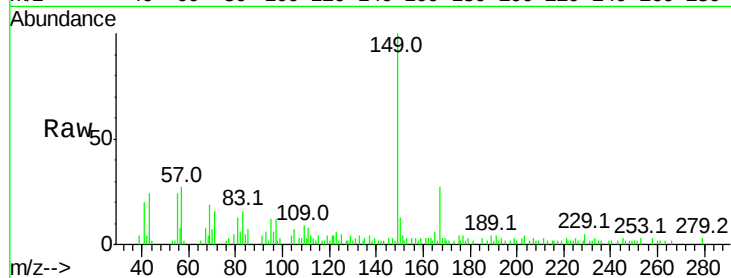
Tot Ion:149 Resp: 36320

Ion Ratio Lower Upper

149 100

167 27.4 21.0 31.4

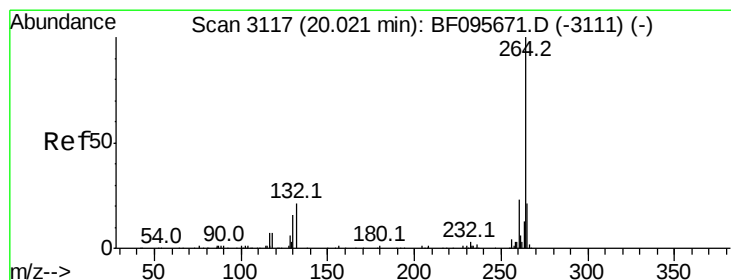
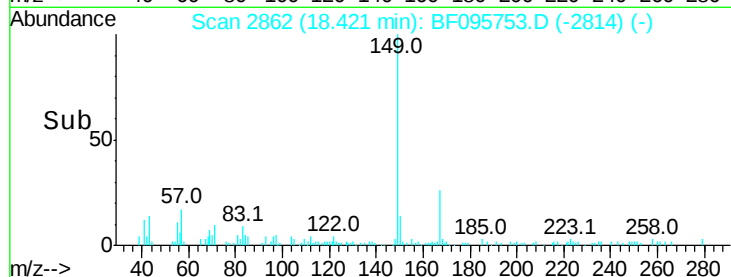
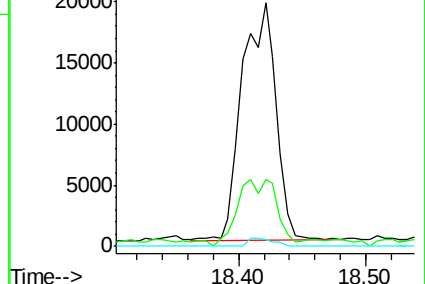
279 3.0 1.9 2.9#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.02 min Scan# 3134

Delta R.T. -0.00 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

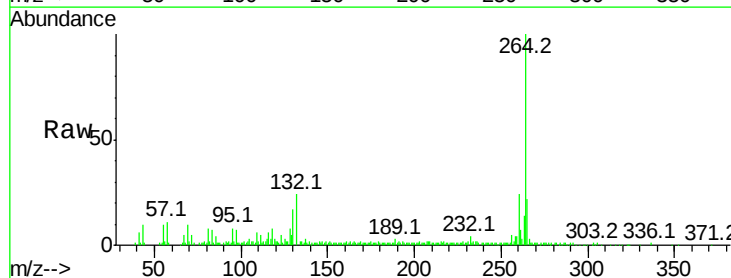
Tgt Ion:264 Resp: 100674

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

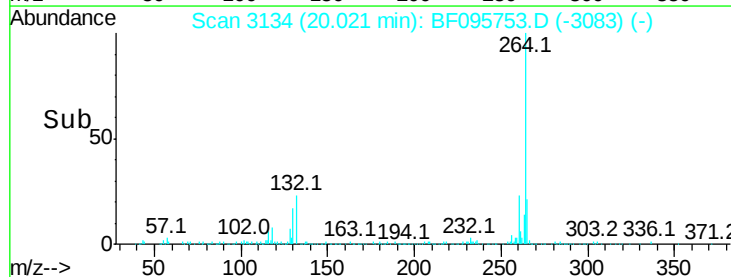
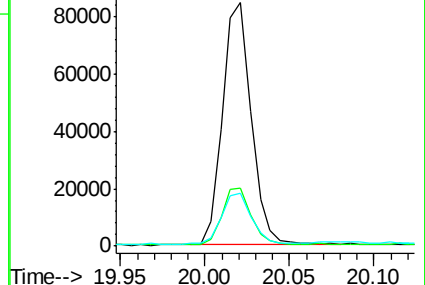
265 21.6 17.2 25.8

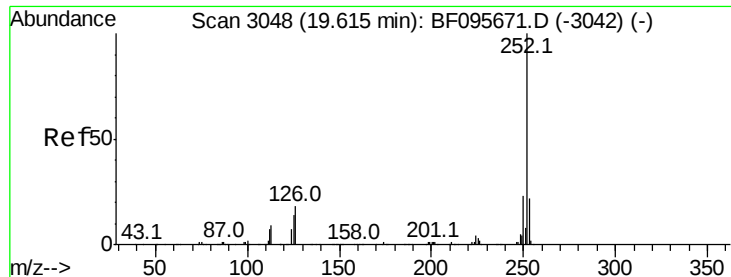


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.15 ng

RT: 19.62 min Scan# 3065

Delta R.T. -0.00 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

Instrument :

BNA_F

ClientSampleId :

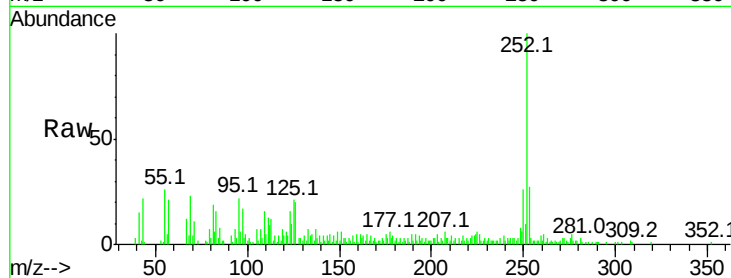
Tot Ion:252 Resp: 51378

Ion Ratio Lower Upper

252 100

253 27.2 18.1 27.1#

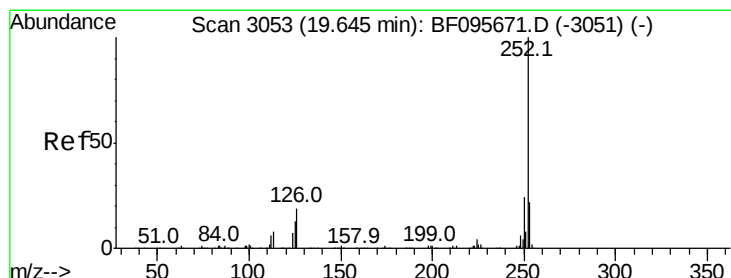
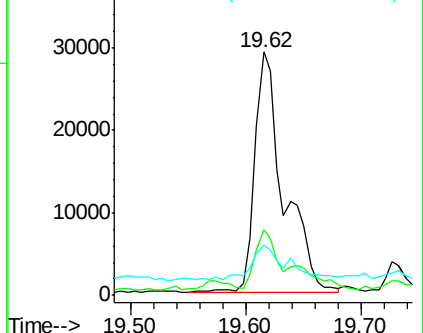
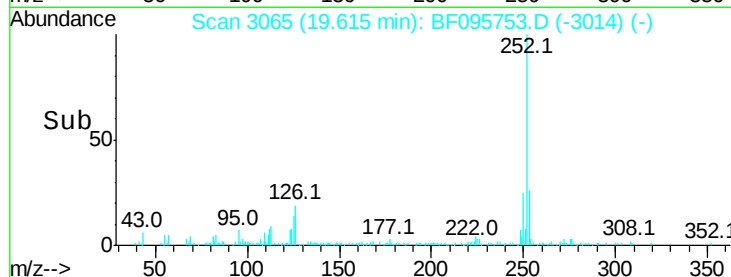
125 20.7 9.8 14.8#



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: 8.53 ng

RT: 19.62 min Scan# 3065

Delta R.T. -0.03 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

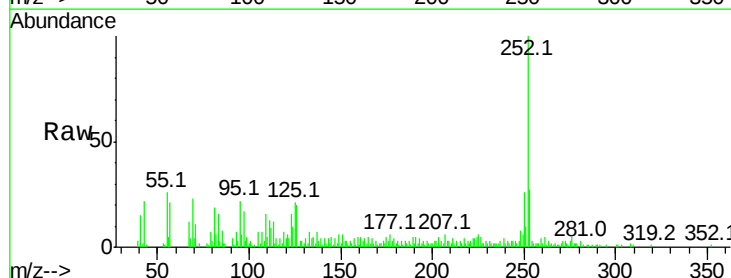
Tgt Ion:252 Resp: 51378

Ion Ratio Lower Upper

252 100

253 27.2 18.4 27.6

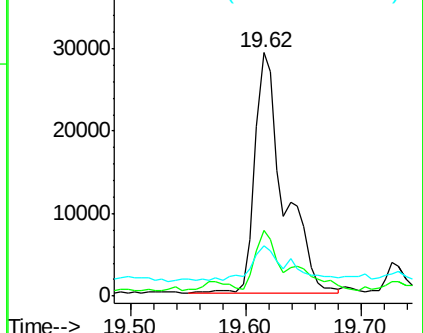
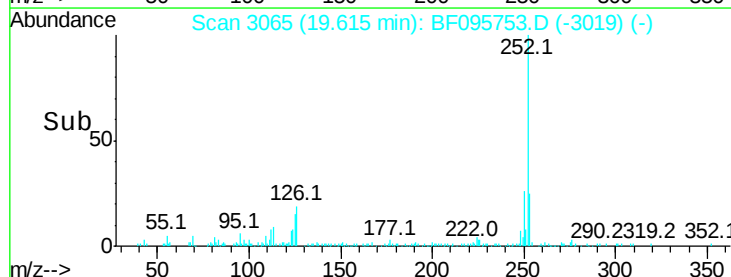
125 20.7 13.1 19.7#

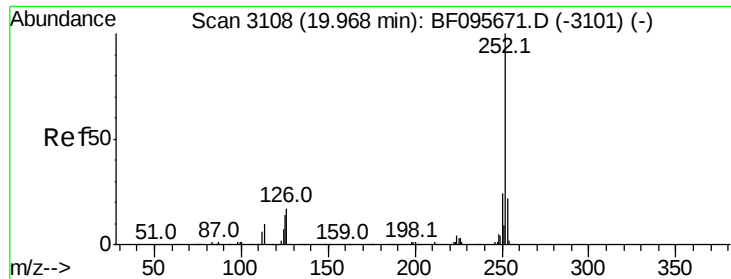


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.94 ng

RT: 19.97 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

Instrument :

BNA_F

ClientSampleId :

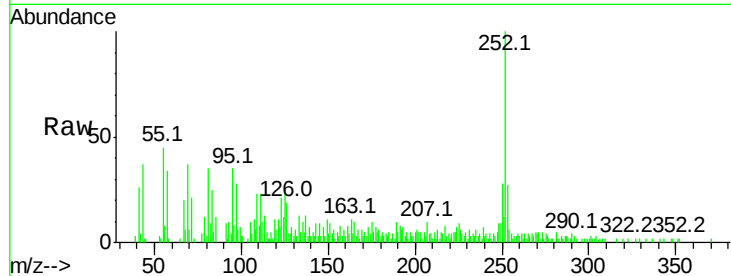
Tot Ion:252 Resp: 22804

Ion Ratio Lower Upper

252 100

253 27.3 17.5 26.3#

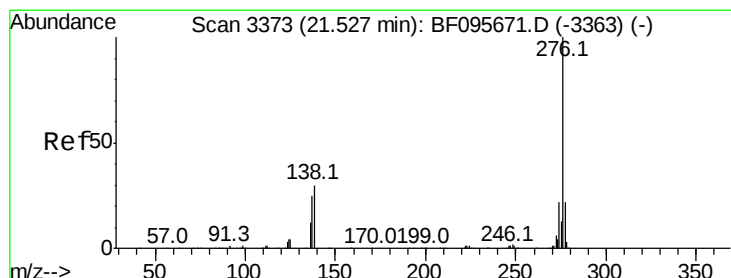
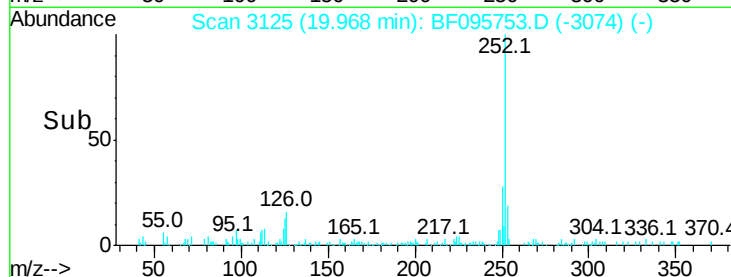
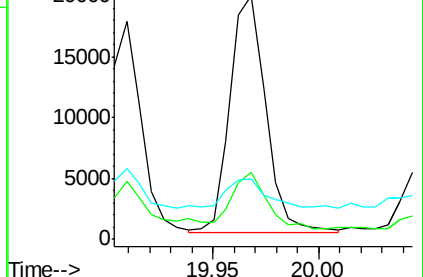
125 25.0 11.0 16.4#



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



#91

Benzo(g,h,i)perylene

Concen: 2.80 ng

RT: 21.55 min Scan# 3394

Delta R.T. 0.02 min

Lab File: BF095753.D

Acq: 7 Jun 2017 18:59

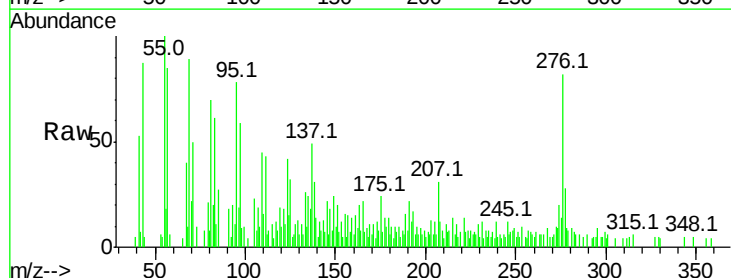
Tgt Ion:276 Resp: 14025

Ion Ratio Lower Upper

276 100

277 34.0 18.6 28.0#

138 38.3 25.4 38.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

