

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095023.D
 Acq On : 9 May 2017 14:48
 Operator : SJ/MA
 Sample : I2970-06 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 09 16:03:55 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

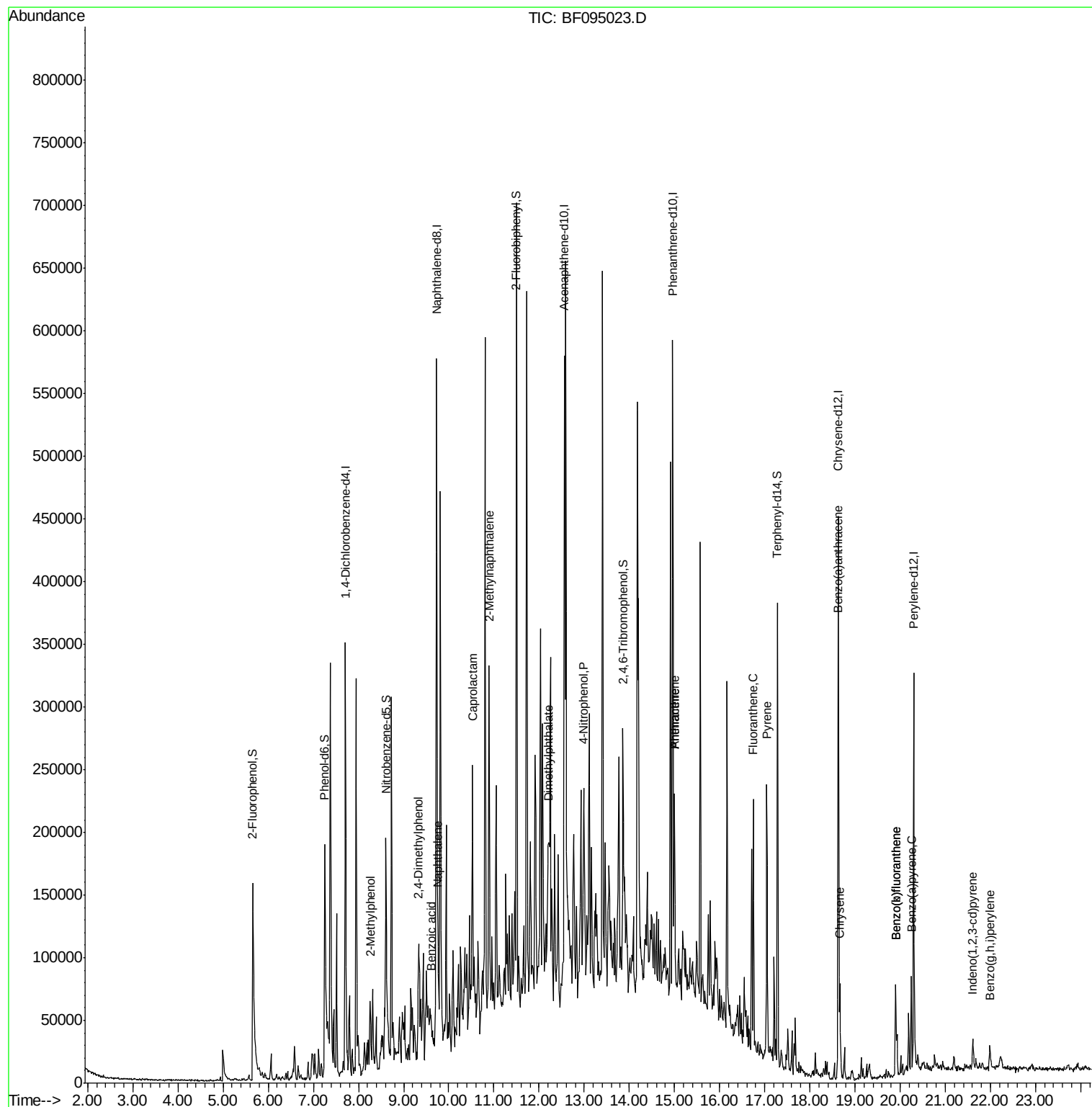
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	77231	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	311981	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	142561	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	221141	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	177188	20.00	ng	-0.02
86) Perylene-d12	20.30	264	143854	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	132349	28.57	ng	-0.02
7) Phenol-d6	7.25	99	178419	32.10	ng	-0.03
23) Nitrobenzene-d5	8.61	82	100711	20.36	ng	-0.03
41) 2,4,6-Tribromophenol	13.87	330	32281	27.65	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	204494	20.65	ng	-0.02
78) Terphenyl-d14	17.28	244	138769	17.25	ng	-0.03
Target Compounds						Qvalue
17) 2-Methylphenol	8.25	107	8823	2.04	ng	# 76
27) 2,4-Dimethylphenol	9.33	122	15752	3.48	ng	95
31) Naphthalene	9.77	128	33772	2.15	ng	96
32) Benzoic acid	9.61	122	8285	7.58	ng	# 17
35) Caprolactam	10.53	113	6003	4.68	ng	# 75
37) 2-Methylnaphthalene	10.90	142	98230	9.55	ng	97
49) Dimethylphthalate	12.20	163	28879	2.47	ng	# 99
55) 4-Nitrophenol	12.99	139	3326	2.16	ng	81
70) Phenanthrene	15.00	178	81867	6.44	ng	97
71) Anthracene	15.00	178	81867	6.31	ng	98
74) Fluoranthene	16.75	202	103943	7.97	ng	98
77) Pyrene	17.05	202	93195	7.03	ng	# 95
80) Benzo(a)anthracene	18.62	228	45835	4.44	ng	99
82) Chrysene	18.67	228	40025	4.01	ng	98
85) Indeno(1,2,3-cd)pyrene	21.61	276	16377	2.02	ng	96
87) Benzo(b)fluoranthene	19.90	252	57891	6.51	ng	# 96
88) Benzo(k)fluoranthene	19.90	252	57891	6.75	ng	99
89) Benzo(a)pyrene	20.25	252	34378	4.19	ng	97
91) Benzo(a,h,i)perylene	21.99	276	15389	2.31	ng	98

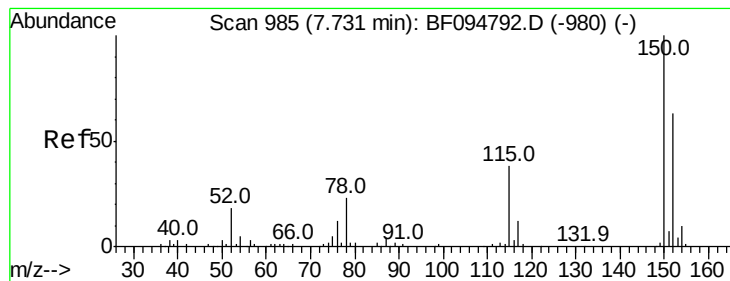
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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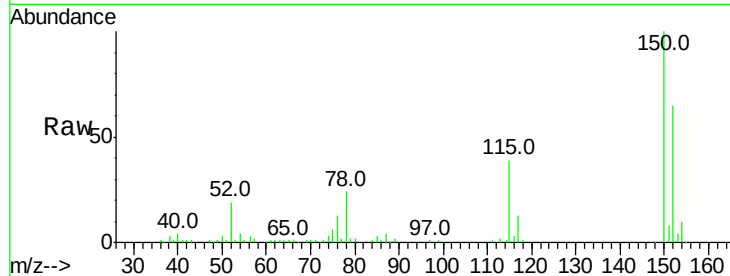


#1

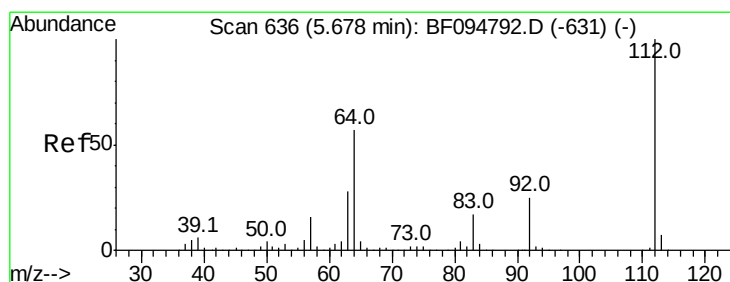
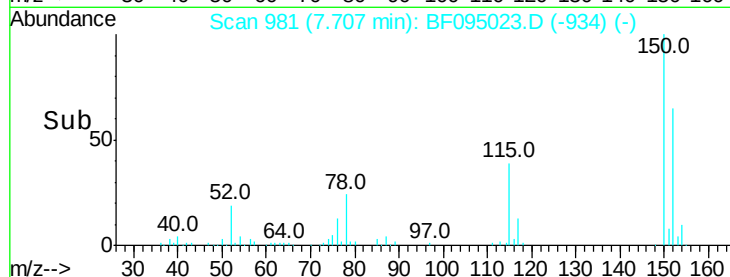
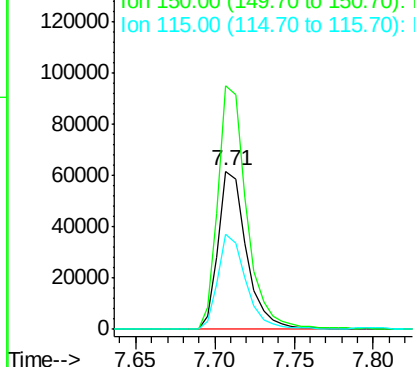
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 77231
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.2
115 59.8 52.2 78.2



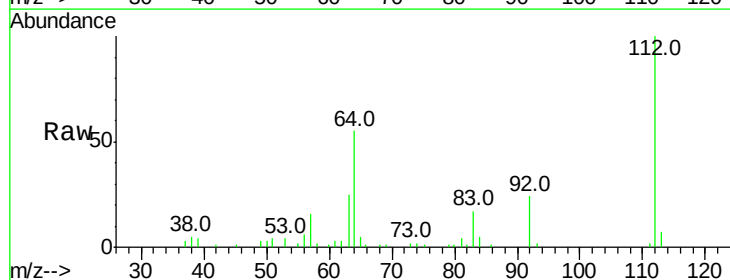
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



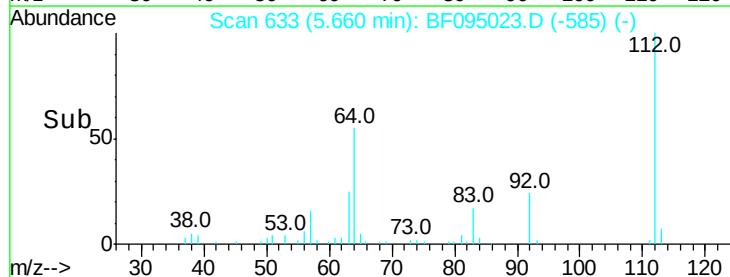
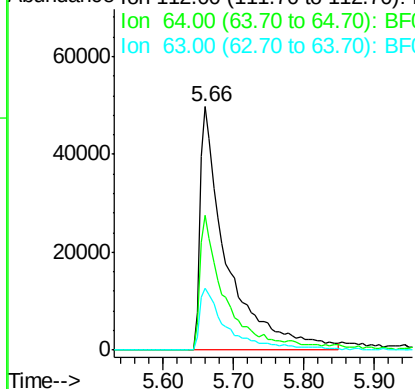
#5

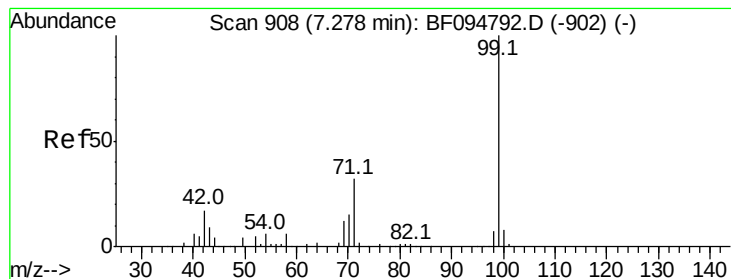
2-Fluorophenol
Concen: 28.57 ng
RT: 5.66 min Scan# 633
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion:112 Resp: 132349
Ion Ratio Lower Upper
112 100
64 55.1 46.0 69.0
63 25.5 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: 32.10 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

ClientSampled :

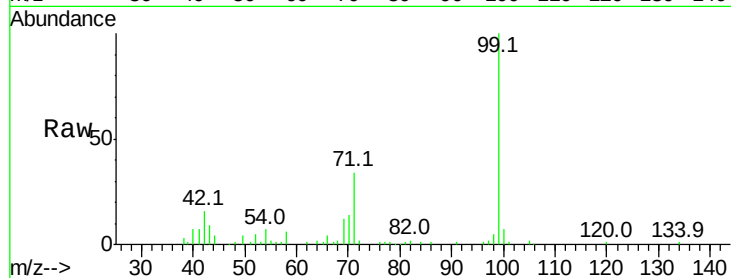
Tot Ion: 99 Resp: 178419

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

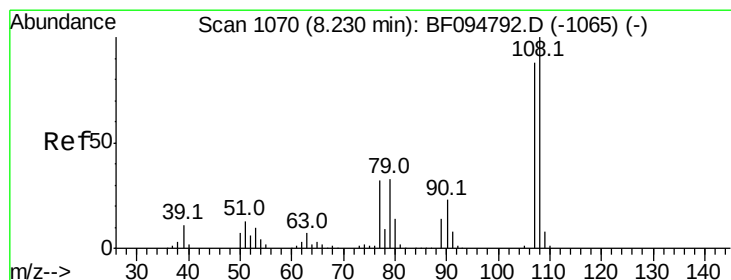
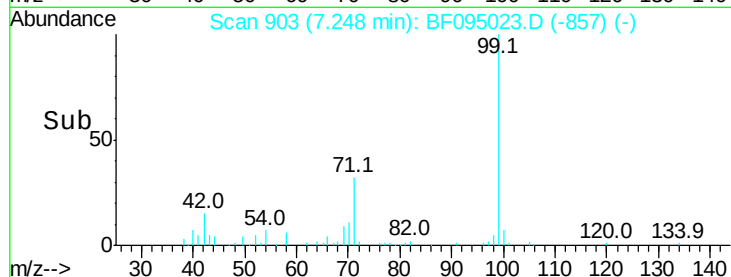
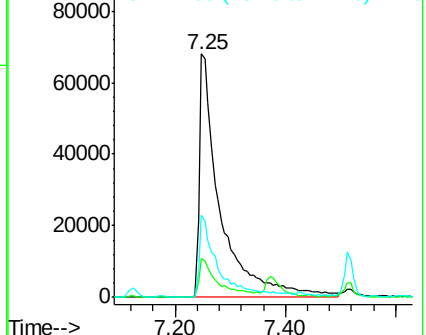
71 33.6 24.5 36.7



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



#17

2-Methylphenol

Concen: 2.04 ng

RT: 8.25 min Scan# 1074

Delta R.T. 0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Tgt Ion: 107 Resp: 8823

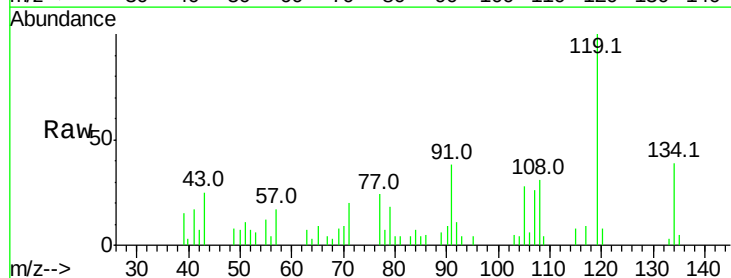
Ion Ratio Lower Upper

107 100

108 117.9 93.4 140.0

77 91.8 35.8 53.6#

79 67.6 34.8 52.2#

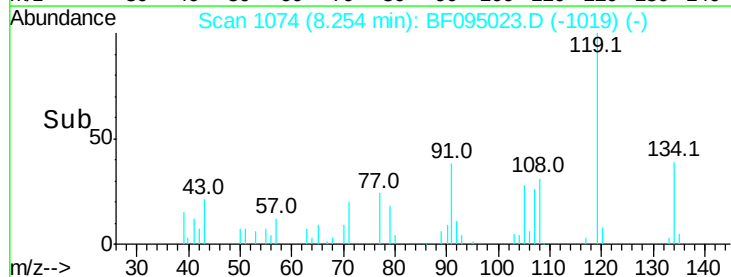
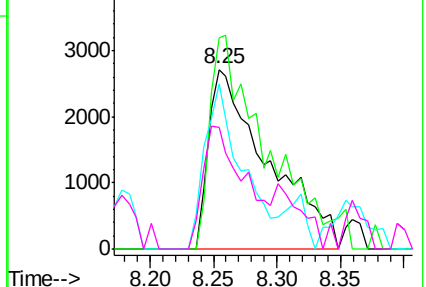


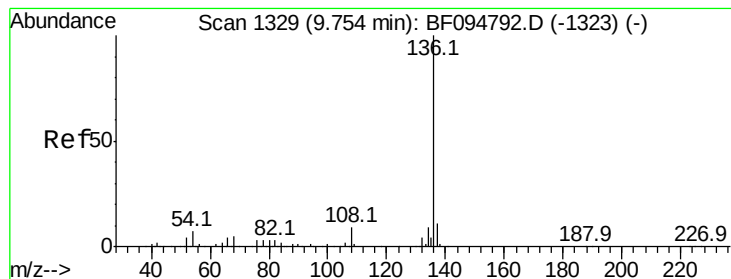
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.73 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 311981

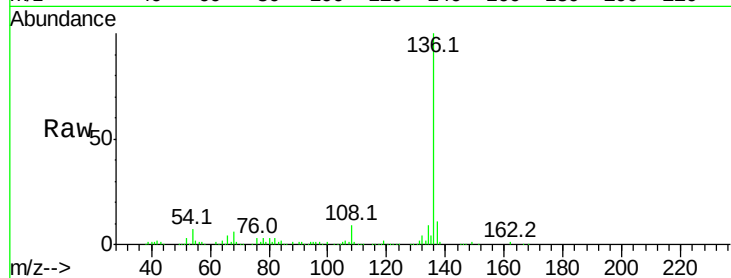
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.2 4.9 7.3

68 5.7 4.1 6.1

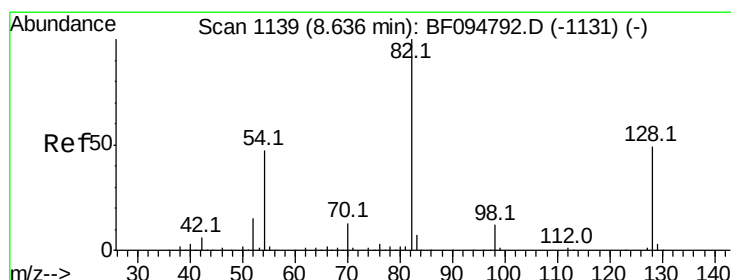
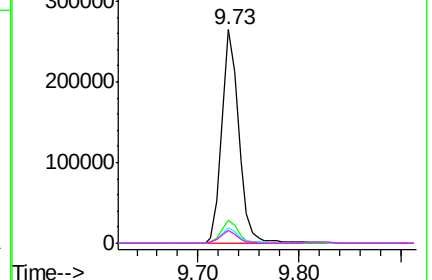
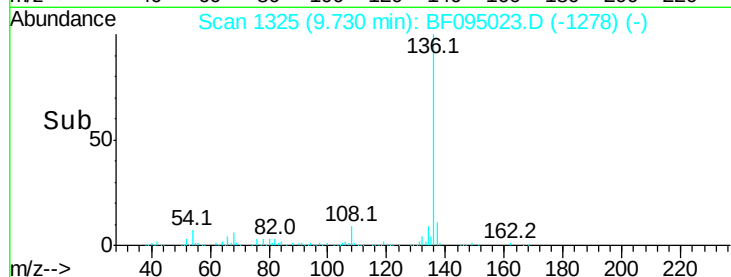


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.36 ng

RT: 8.61 min Scan# 1134

Delta R.T. -0.03 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

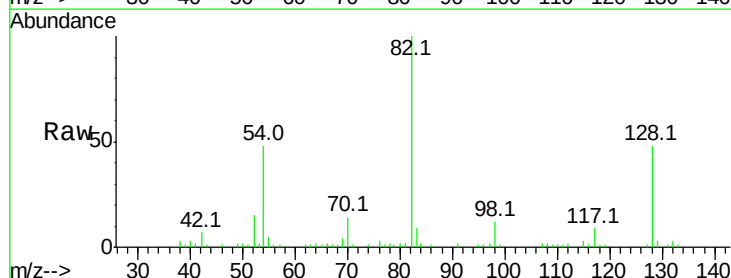
Tgt Ion: 82 Resp: 100711

Ion Ratio Lower Upper

82 100

128 47.7 34.0 51.0

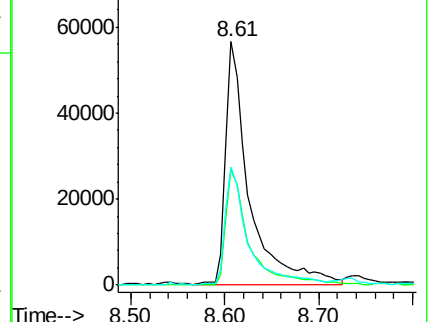
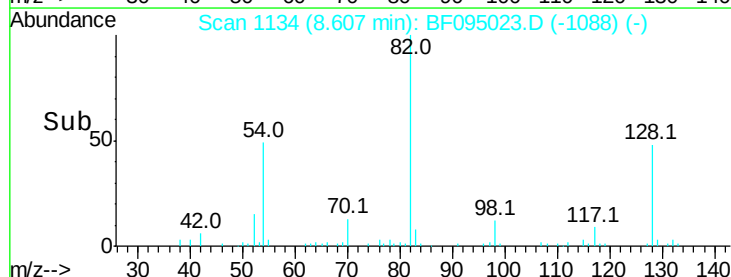
54 48.3 42.2 63.2

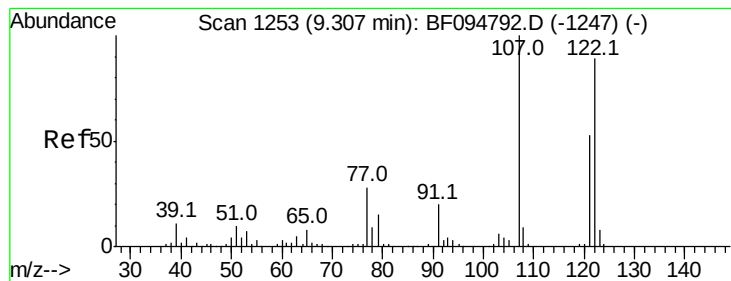


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#27

2,4-Dimethylphenol

Concen: 3.48 ng

RT: 9.33 min Scan# 1257

Delta R.T. 0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

ClientSampled :

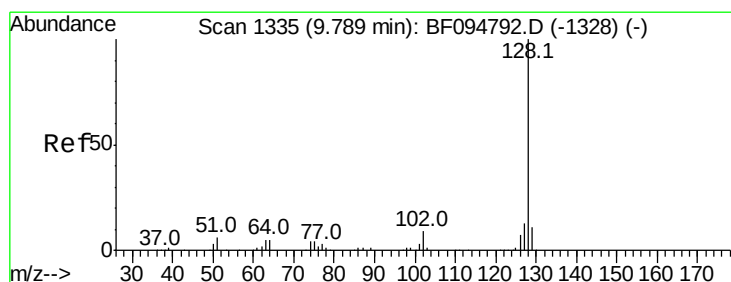
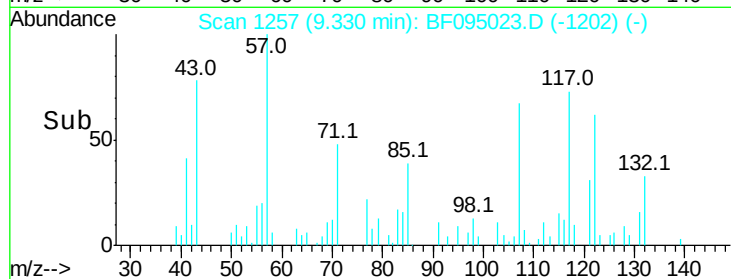
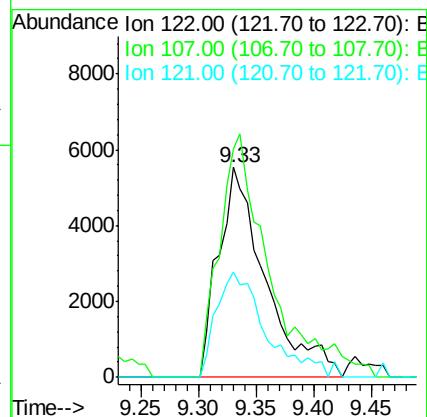
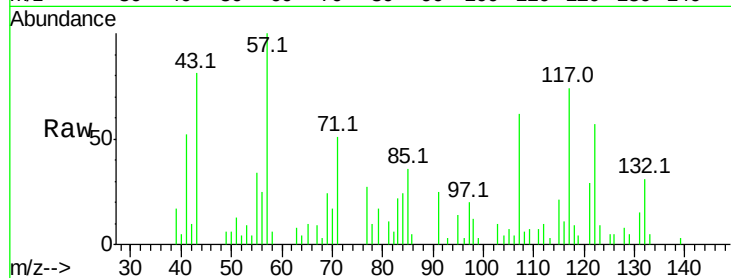
Tot Ion:122 Resp: 15752

Ion Ratio Lower Upper

122 100

107 108.4 89.2 133.8

121 50.3 45.2 67.8



#31

Naphthalene

Concen: 2.15 ng

RT: 9.77 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

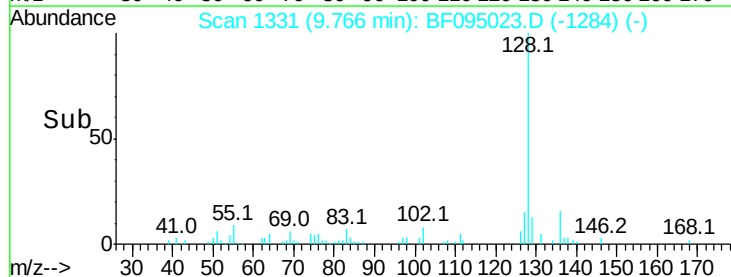
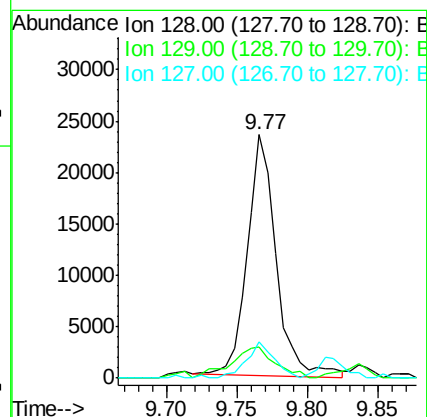
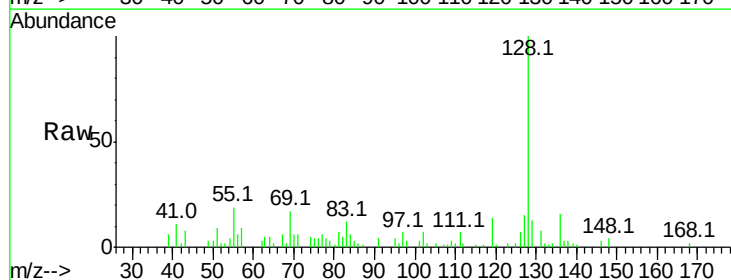
Tgt Ion:128 Resp: 33772

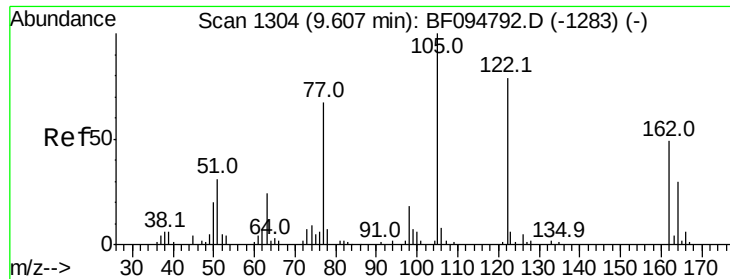
Ion Ratio Lower Upper

128 100

129 12.8 9.0 13.6

127 14.8 10.8 16.2

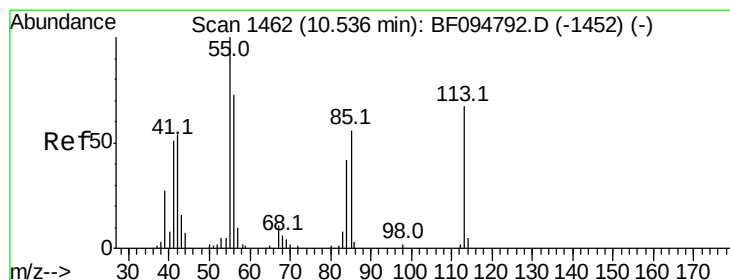
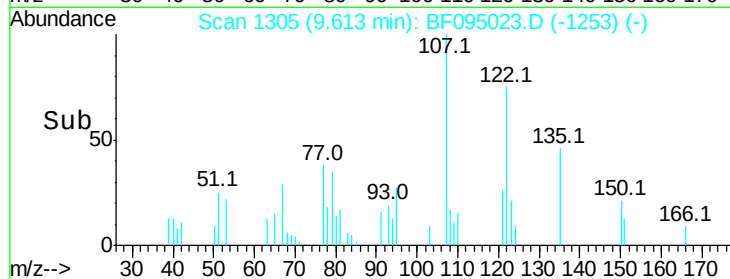
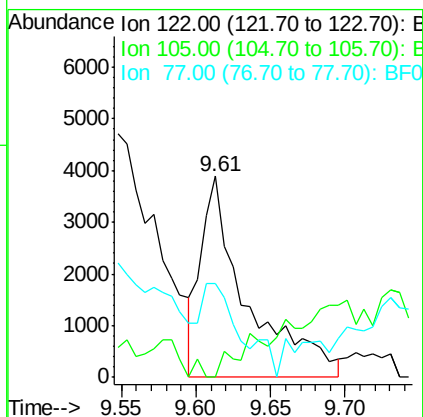
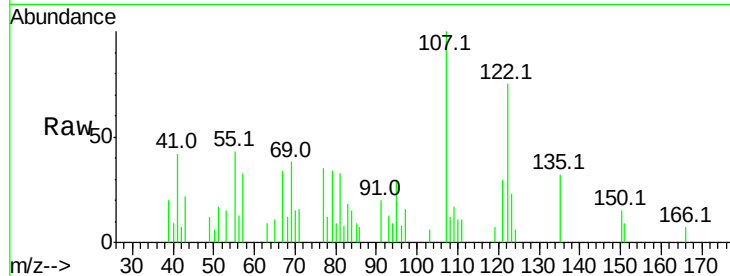




#32
Benzoic acid
Concen: 7.58 ng
RT: 9.61 min Scan# 1305
Delta R.T. 0.01 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

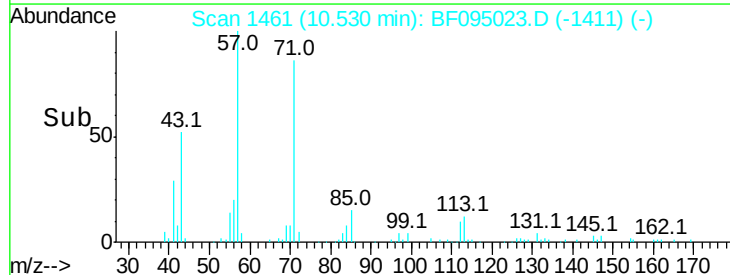
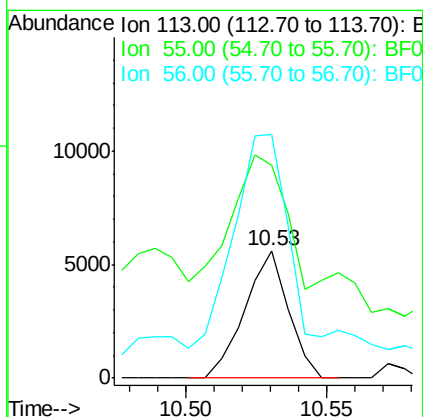
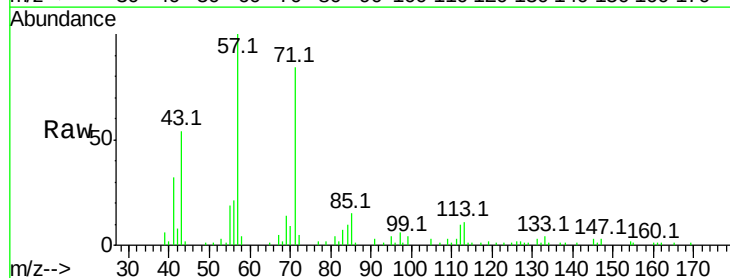
Instrument :
BNA_F
ClientSampleId :

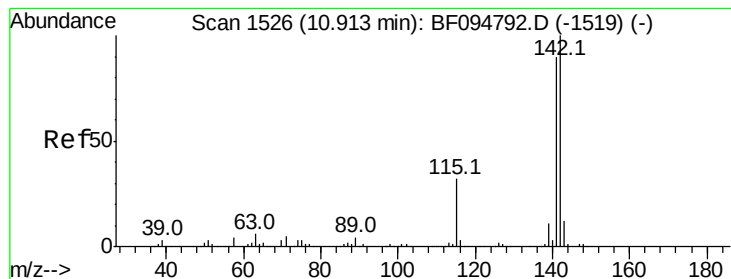
Tot Ion:122 Resp: 8285
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 46.9 73.7 113.7#



#35
Caprolactam
Concen: 4.68 ng
RT: 10.53 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion:113 Resp: 6003
Ion Ratio Lower Upper
113 100
55 167.0 150.2 190.2
56 190.5 107.8 147.8#





#37

2-Methylnaphthalene

Concen: 9.55 ng

RT: 10.90 min Scan# 1523

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

ClientSampled :

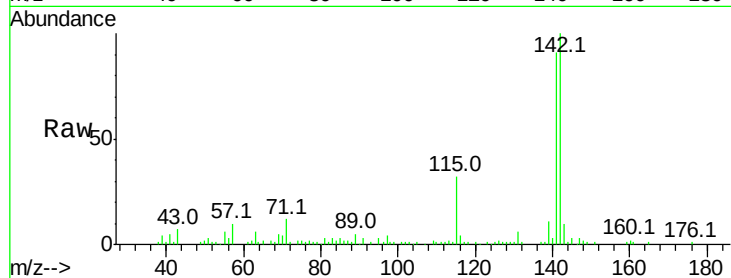
Tot Ion:142 Resp: 98230

Ion Ratio Lower Upper

142 100

141 91.4 71.3 106.9

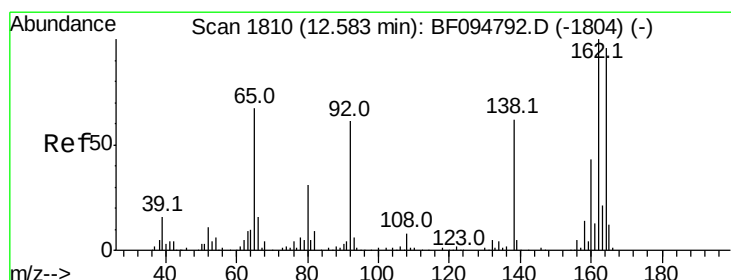
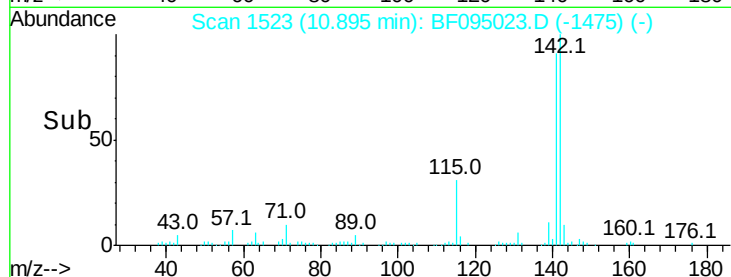
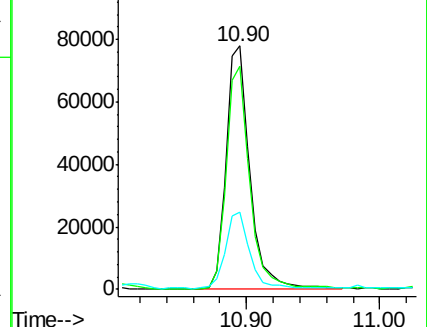
115 31.7 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.56 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

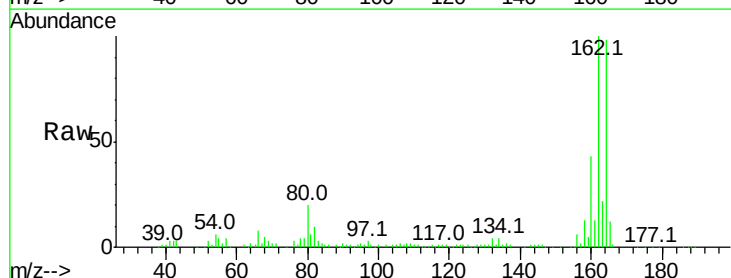
Tgt Ion:164 Resp: 142561

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

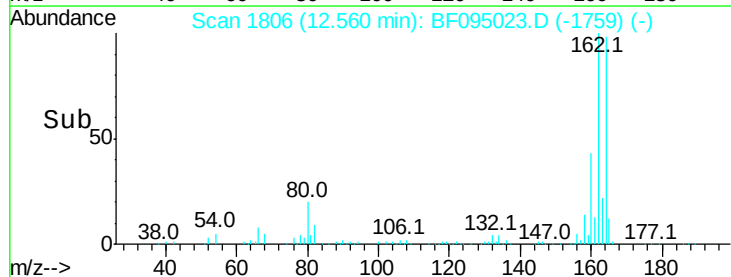
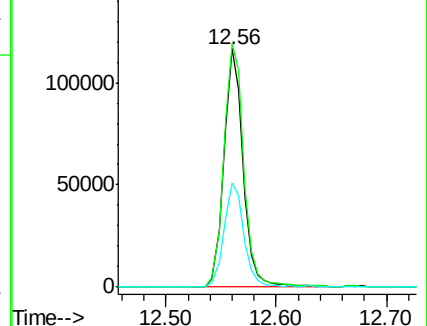
160 43.8 36.2 54.2

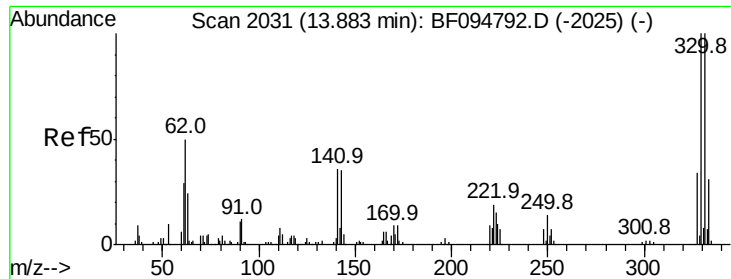


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

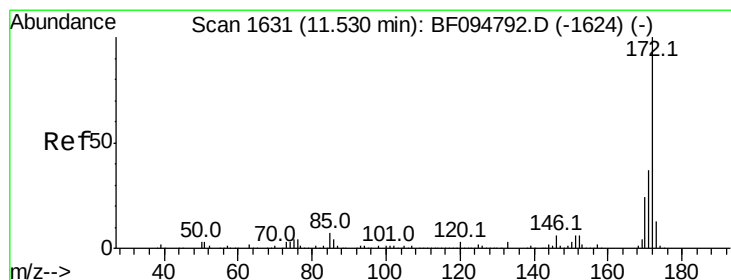
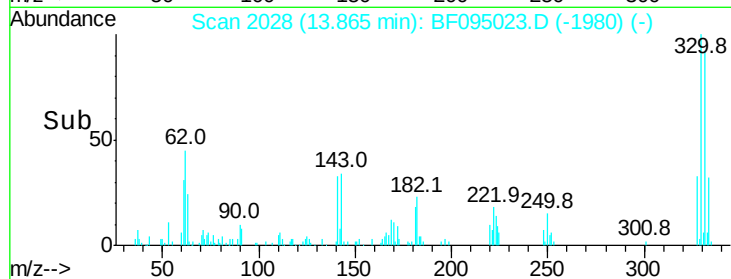
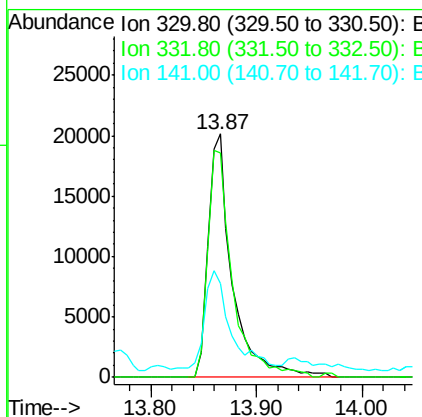
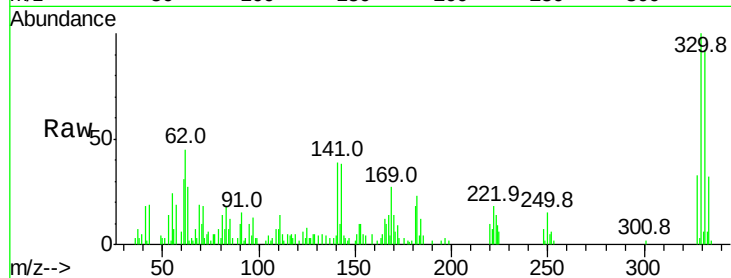




#41
 2,4,6-Tribromophenol
 Concen: 27.65 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

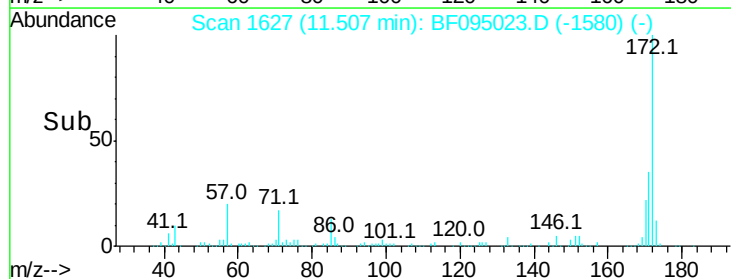
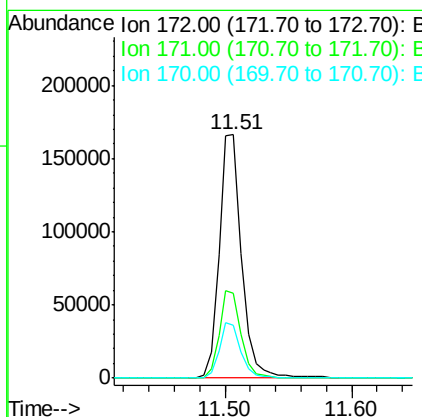
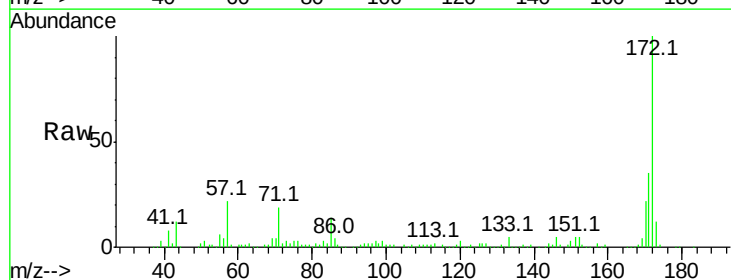
Instrument :
 BNA_F
 ClientSampleId :

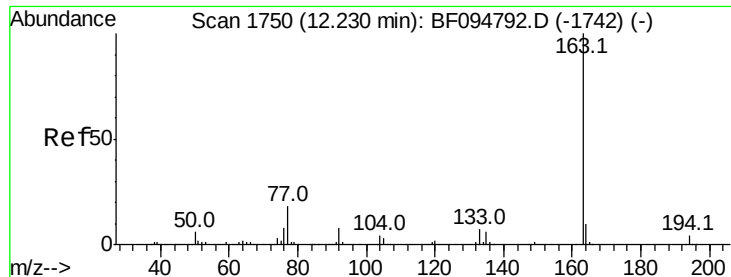
Tot Ion:330 Resp: 32281
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.6 115.0
 141 46.0 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 20.65 ng
 RT: 11.51 min Scan# 1627
 Delta R.T. -0.02 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

Tgt Ion:172 Resp: 204494
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 21.8 19.8 29.8

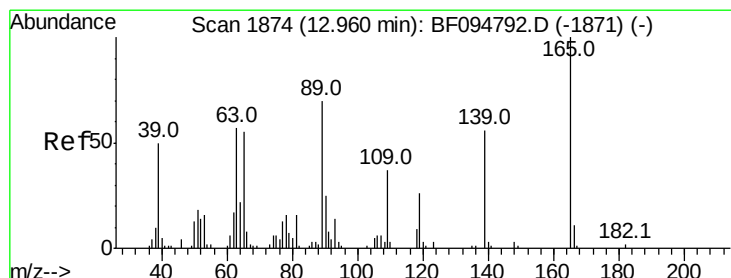
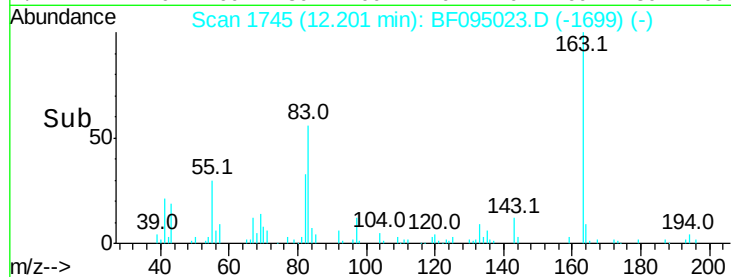
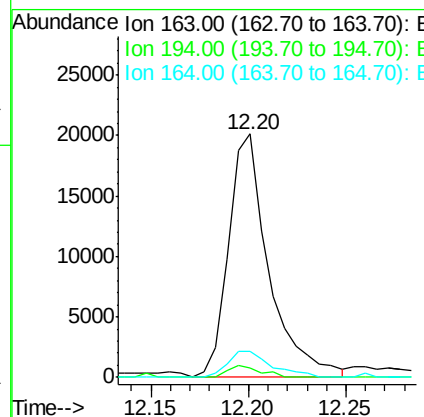
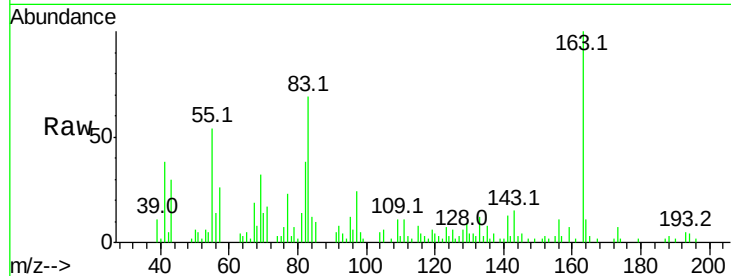




#49
Dimethylphthalate
Concen: 2.47 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

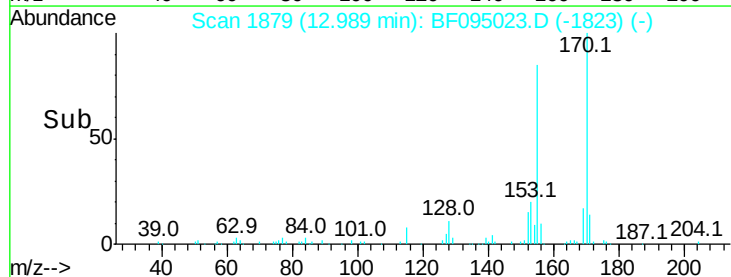
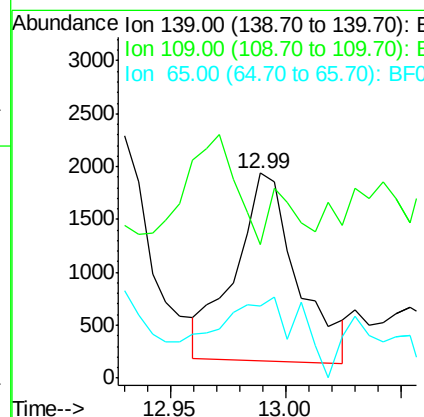
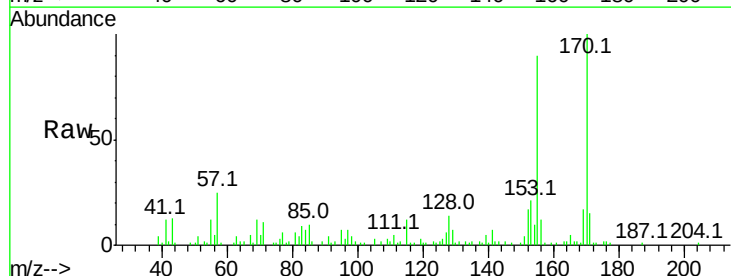
Instrument :
BNA_F
ClientSampleId :

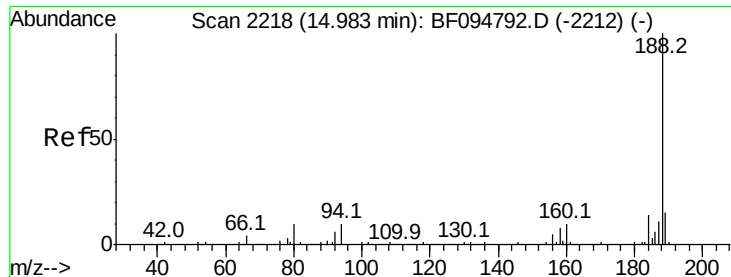
Tot Ion:163 Resp: 28879
Ion Ratio Lower Upper
163 100
194 4.0 2.6 4.0#
164 10.8 8.4 12.6



#55
4-Nitrophenol
Concen: 2.16 ng
RT: 12.99 min Scan# 1879
Delta R.T. 0.03 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion:139 Resp: 3326
Ion Ratio Lower Upper
139 100
109 65.0 34.1 74.1
65 35.2 31.4 71.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.97 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

ClientSampled :

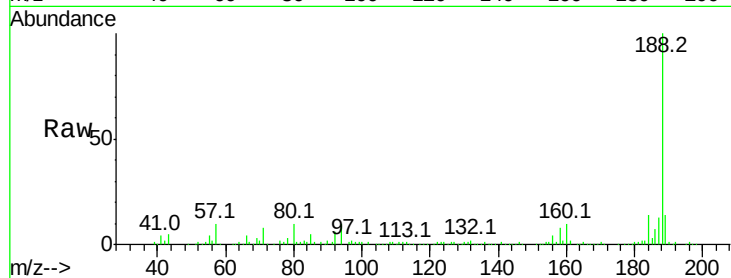
Tot Ion:188 Resp: 221141

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

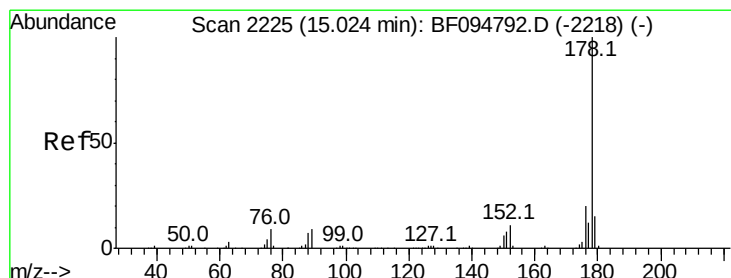
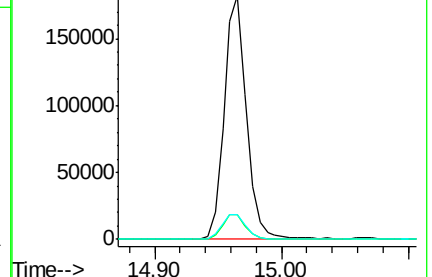
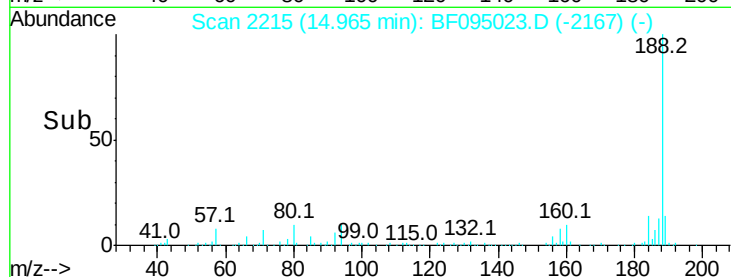
80 10.0 10.2 15.2#



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: 6.44 ng

RT: 15.00 min Scan# 2221

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

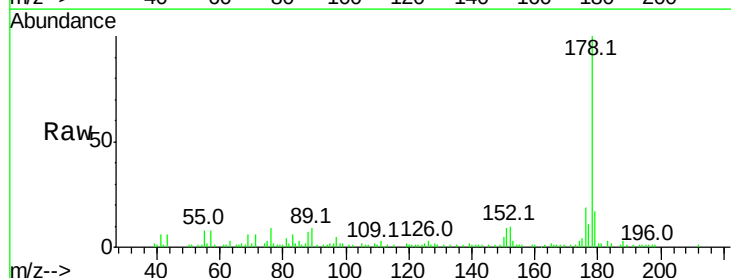
Tgt Ion:178 Resp: 81867

Ion Ratio Lower Upper

178 100

176 19.1 16.2 24.4

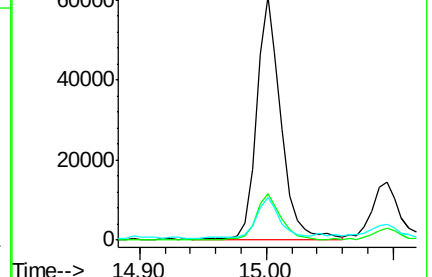
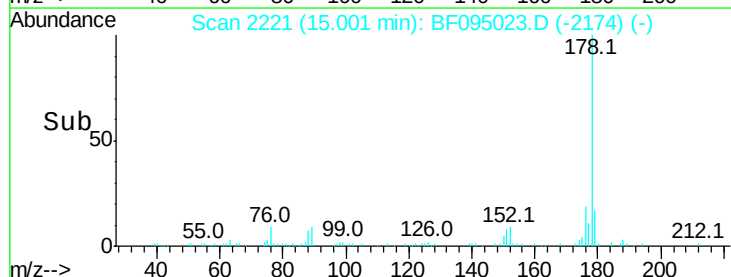
179 17.4 12.6 19.0

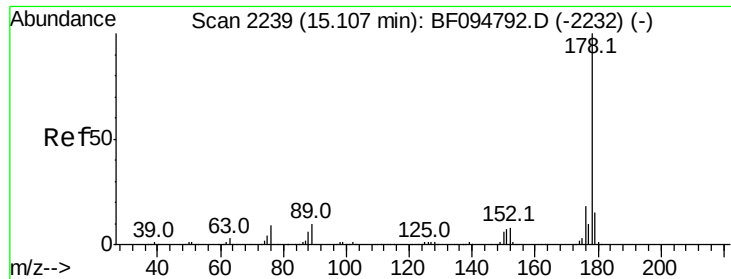


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

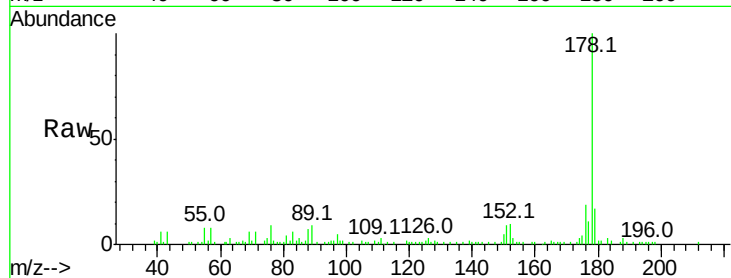




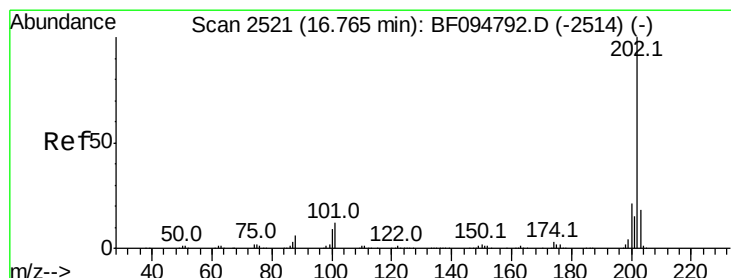
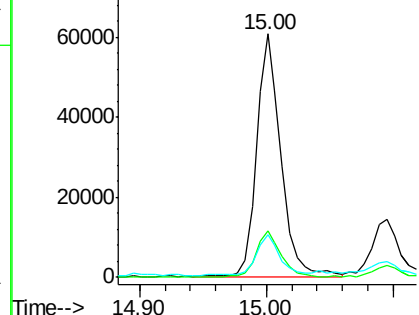
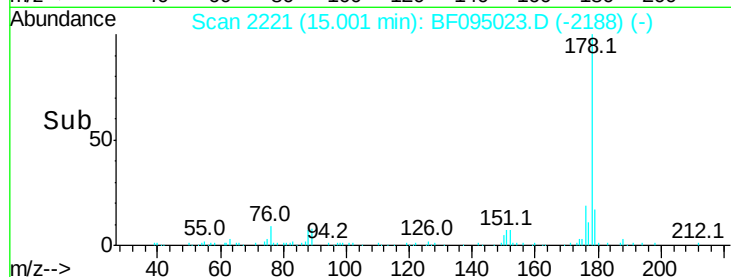
#71
 Anthracene
 Concen: 6.31 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.11 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 81867
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 17.4 12.7 19.1

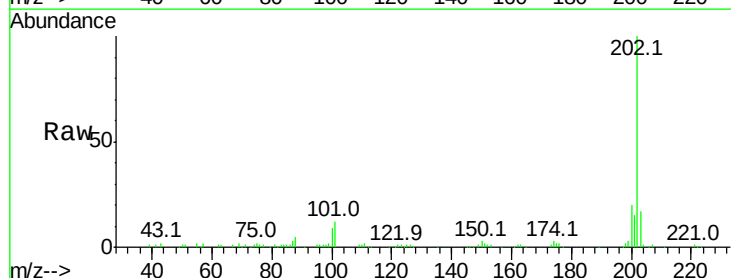


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

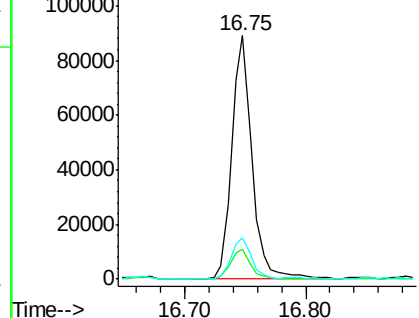
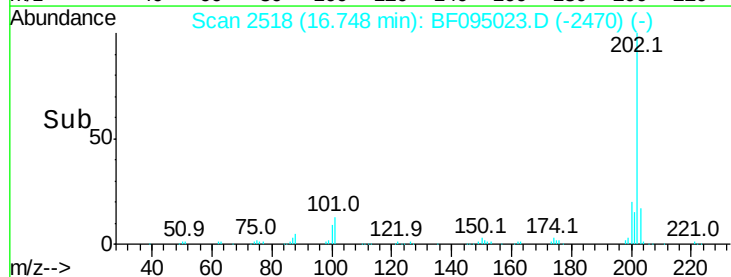


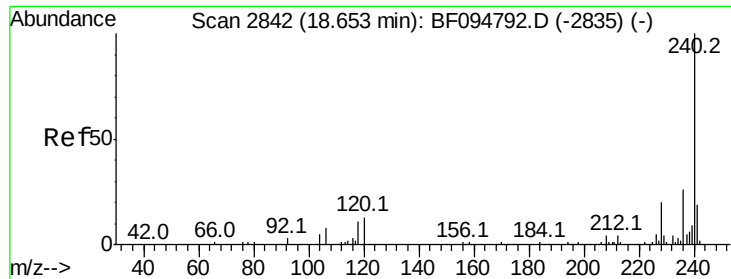
#74
 Fluoranthene
 Concen: 7.97 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

Tgt Ion:202 Resp: 103943
 Ion Ratio Lower Upper
 202 100
 101 12.5 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

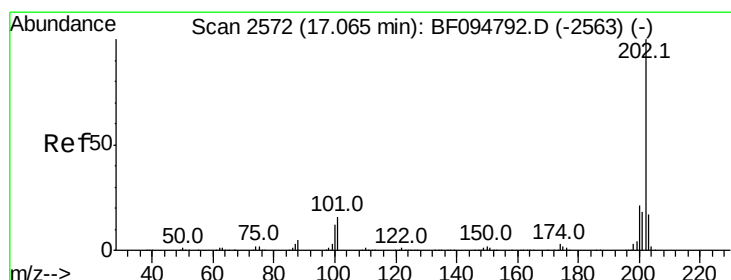
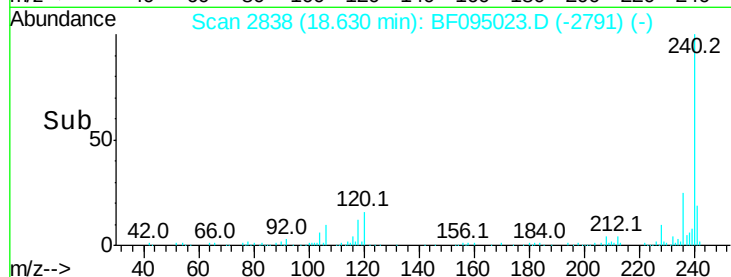
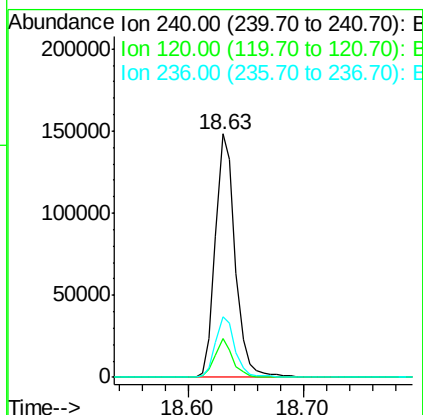
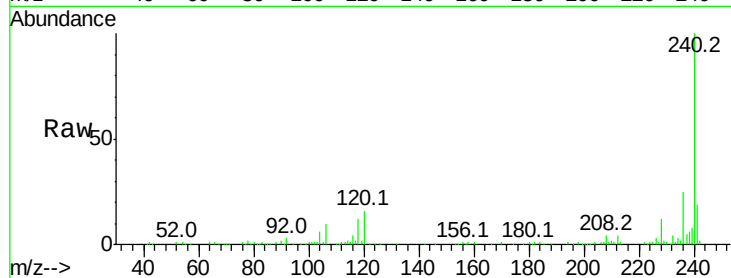




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.63 min Scan# 2838
 Delta R.T. -0.02 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

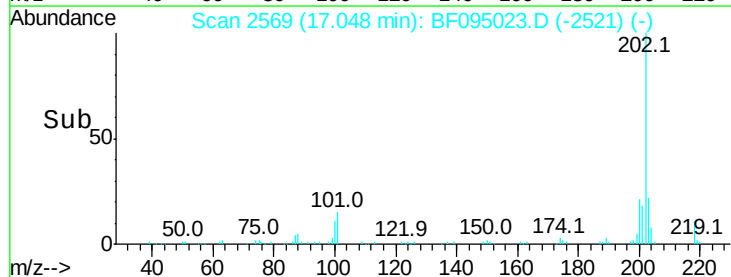
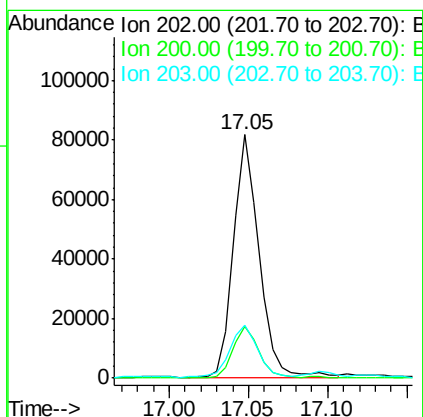
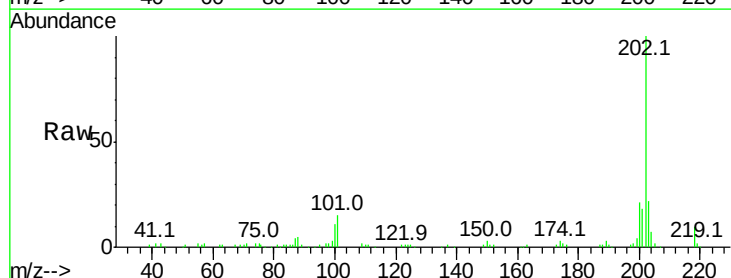
Instrument :
 BNA_F
 ClientSampleId :

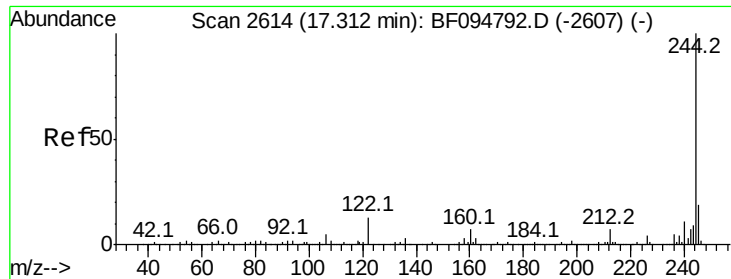
Tot Ion:240 Resp: 177188
 Ion Ratio Lower Upper
 240 100
 120 15.7 5.8 8.8#
 236 25.0 20.5 30.7



#77
 Pyrene
 Concen: 7.03 ng
 RT: 17.05 min Scan# 2569
 Delta R.T. -0.02 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

Tgt Ion:202 Resp: 93195
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.6 26.4
 203 21.9 14.4 21.6#

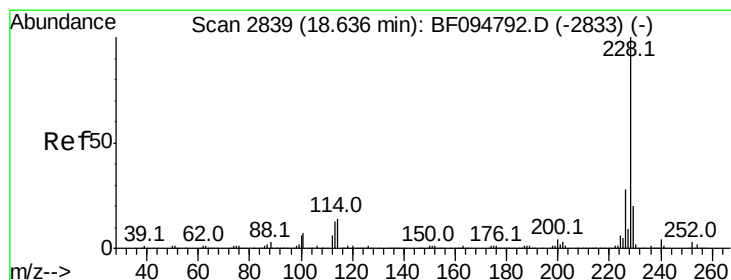
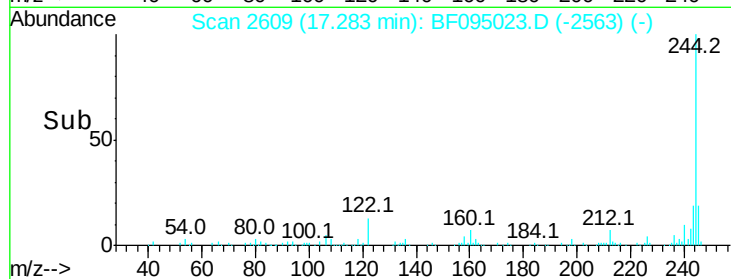
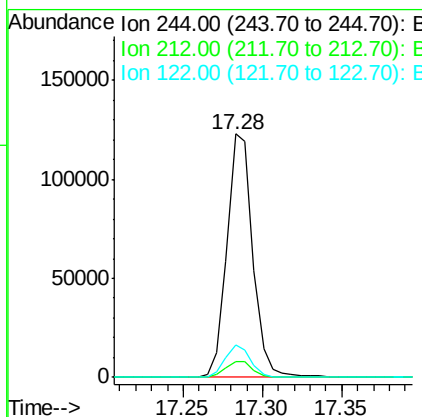
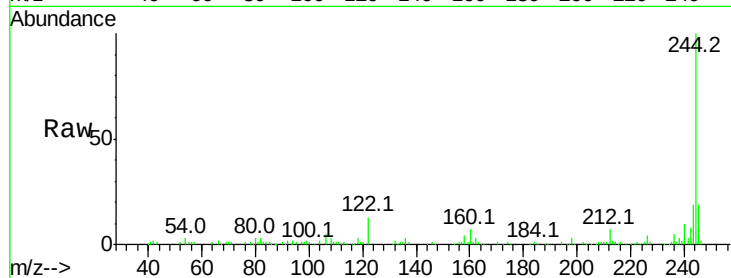




#78
 Terphenyl-d14
 Concen: 17.25 ng
 RT: 17.28 min Scan# 2609
 Delta R.T. -0.03 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

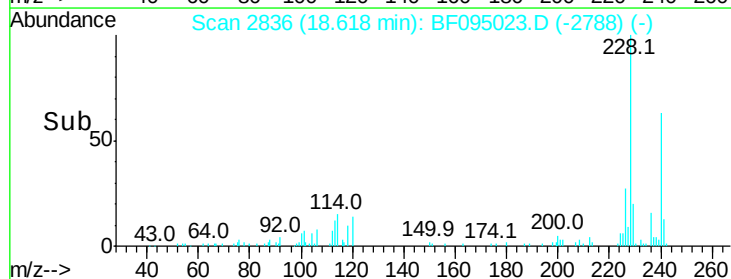
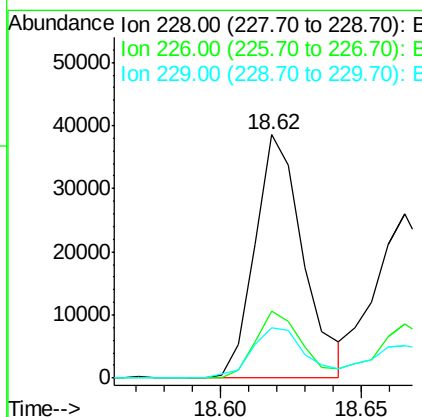
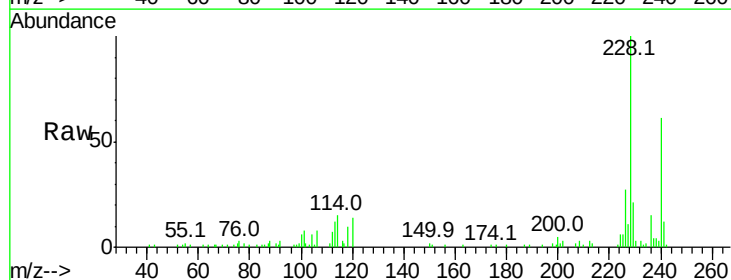
Instrument :
 BNA_F
 ClientSampleId :

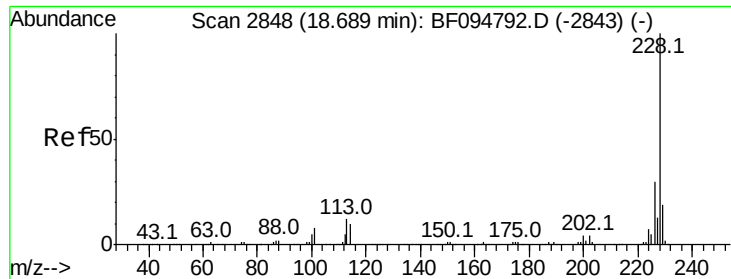
Tot Ion:244 Resp: 138769
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.5 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 4.44 ng
 RT: 18.62 min Scan# 2836
 Delta R.T. -0.02 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

Tgt Ion:228 Resp: 45835
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.6 33.8
 229 20.9 16.3 24.5

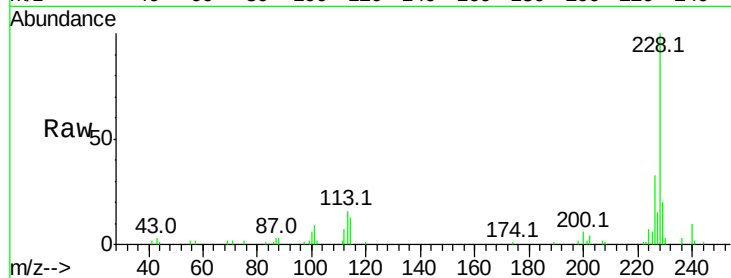




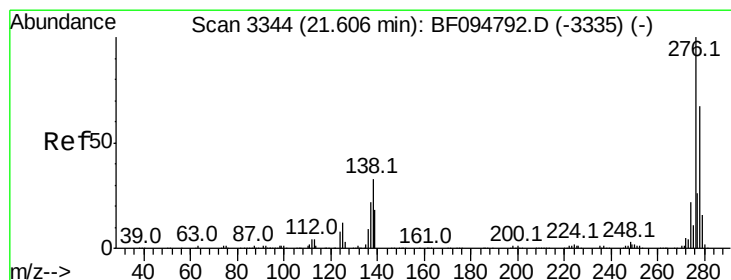
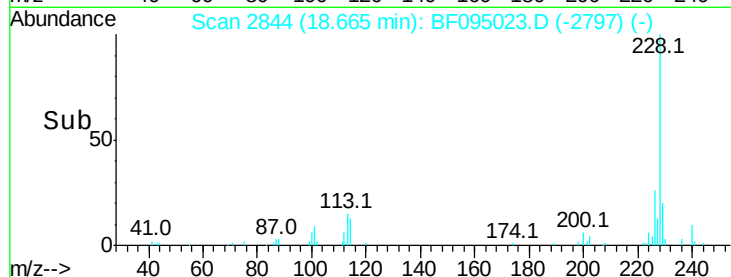
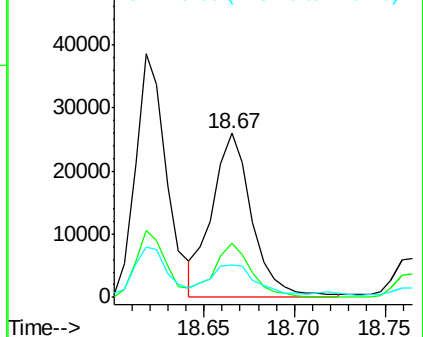
#82
Chrysene
Concen: 4.01 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 40025
Ion Ratio Lower Upper
228 100
226 33.2 24.9 37.3
229 19.9 15.8 23.6

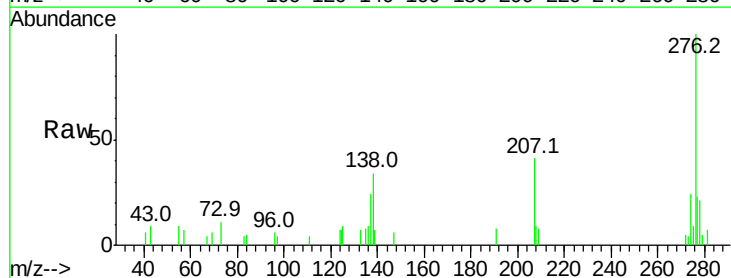


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

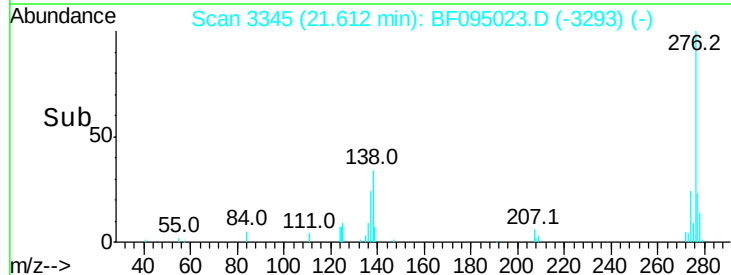
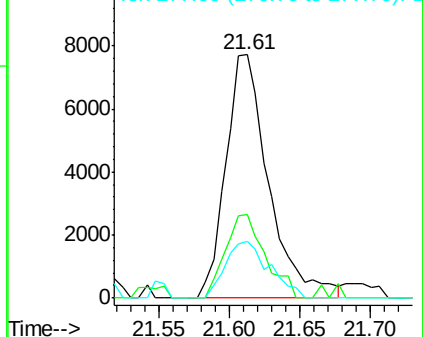


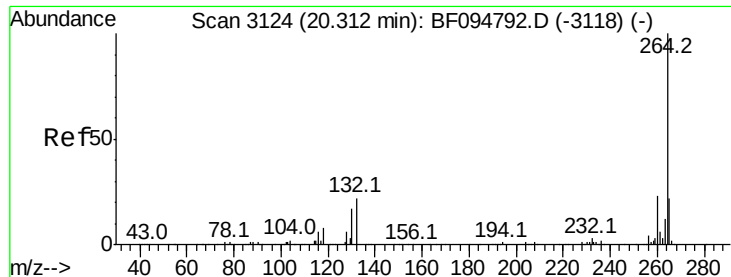
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.02 ng
RT: 21.61 min Scan# 3345
Delta R.T. 0.01 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion:276 Resp: 16377
Ion Ratio Lower Upper
276 100
138 31.6 27.8 41.6
277 23.8 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

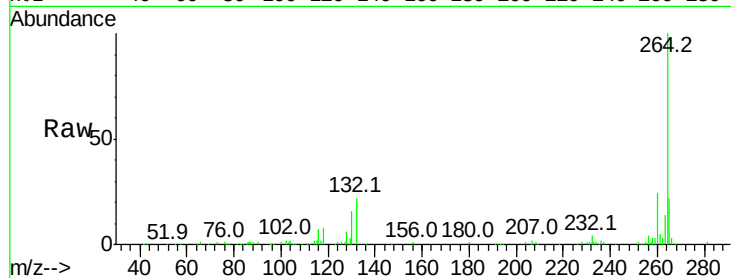




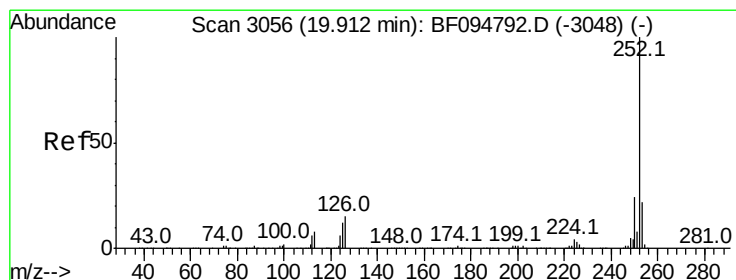
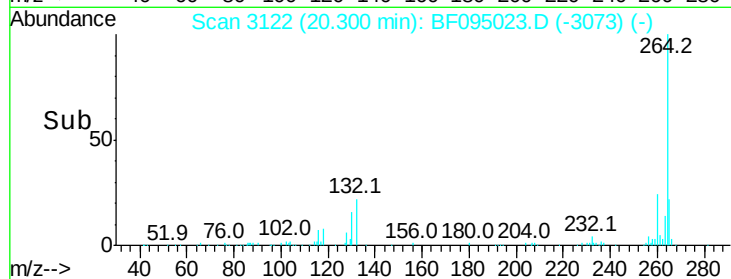
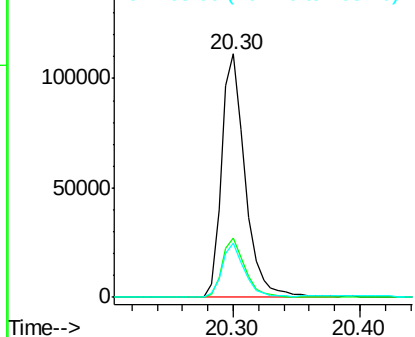
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.2	17.2	25.8

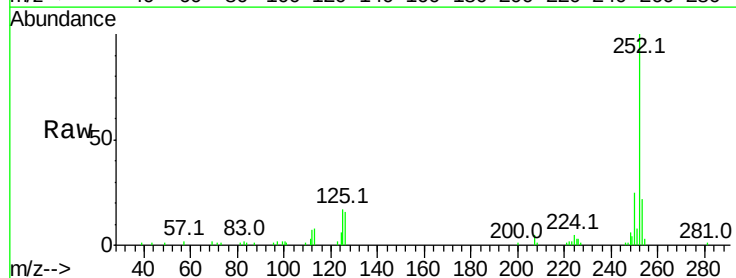


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

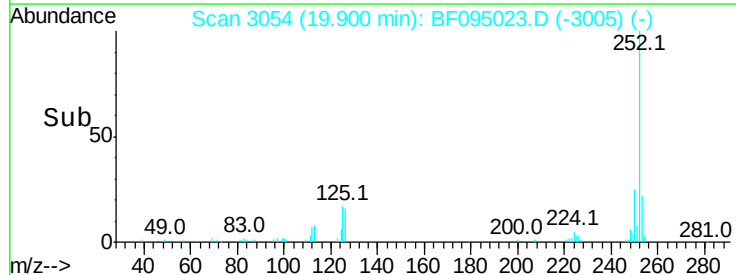
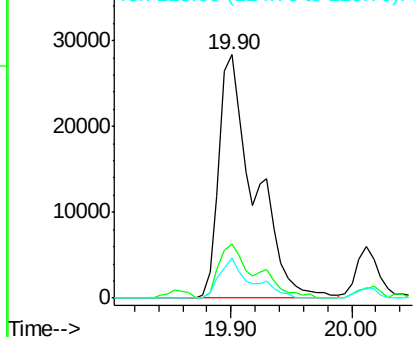


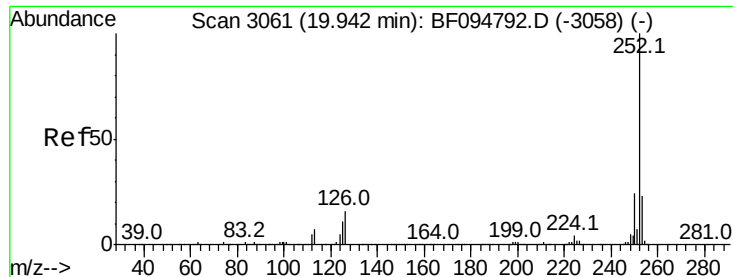
#87
Benzo(b)fluoranthene
Concen: 6.51 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	16.6	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

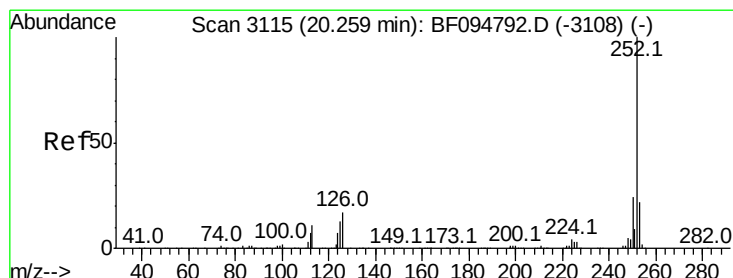
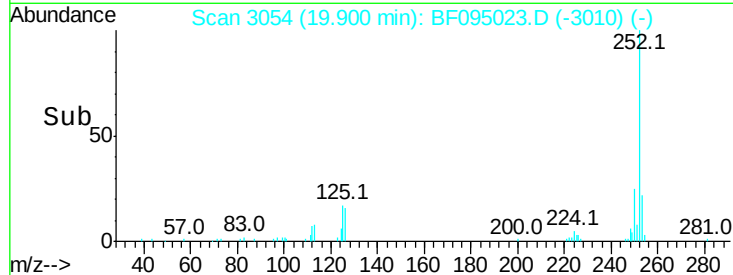
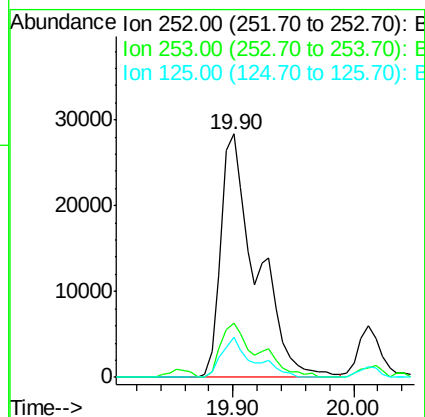
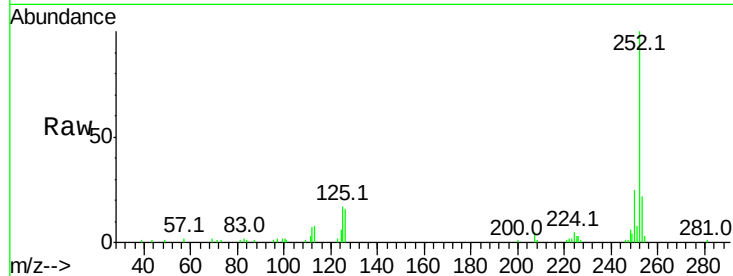




#88
Benzo(k)fluoranthene
Concen: 6.75 ng
RT: 19.90 min Scan# 3054
Delta R.T. -0.04 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

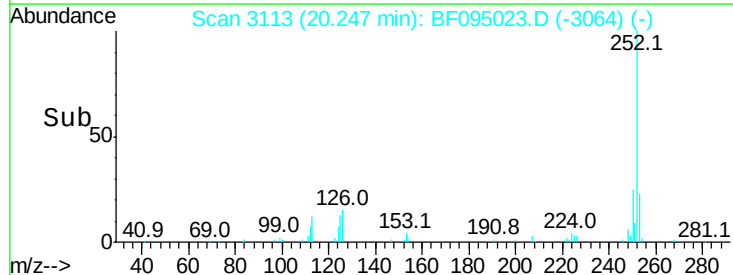
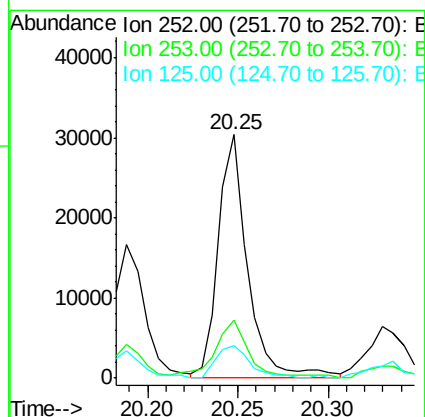
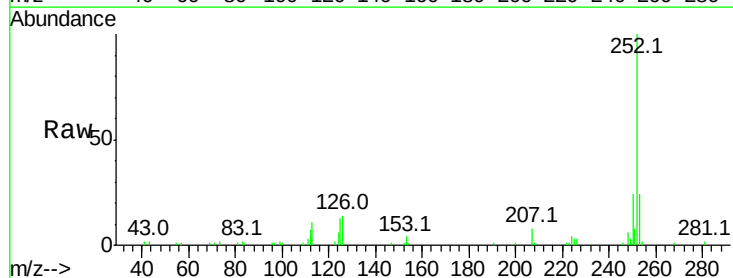
Instrument :
BNA_F
ClientSampleId :

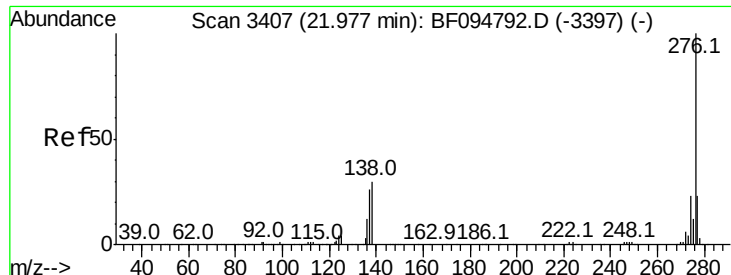
Tot Ion:252 Resp: 57891
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 16.6 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.19 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion:252 Resp: 34378
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 13.1 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 2.31 ng

RT: 21.99 min Scan# 3409

Delta R.T. 0.01 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

ClientSampleId :

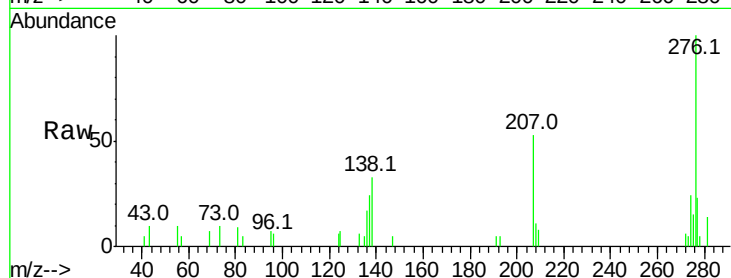
Tot Ion:276 Resp: 15389

Ion Ratio Lower Upper

276 100

277 22.8 18.6 28.0

138 32.9 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

