

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097283.D
 Acq On : 2 Aug 2017 19:48
 Operator : SJ/JU
 Sample : I4543-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 23:10:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

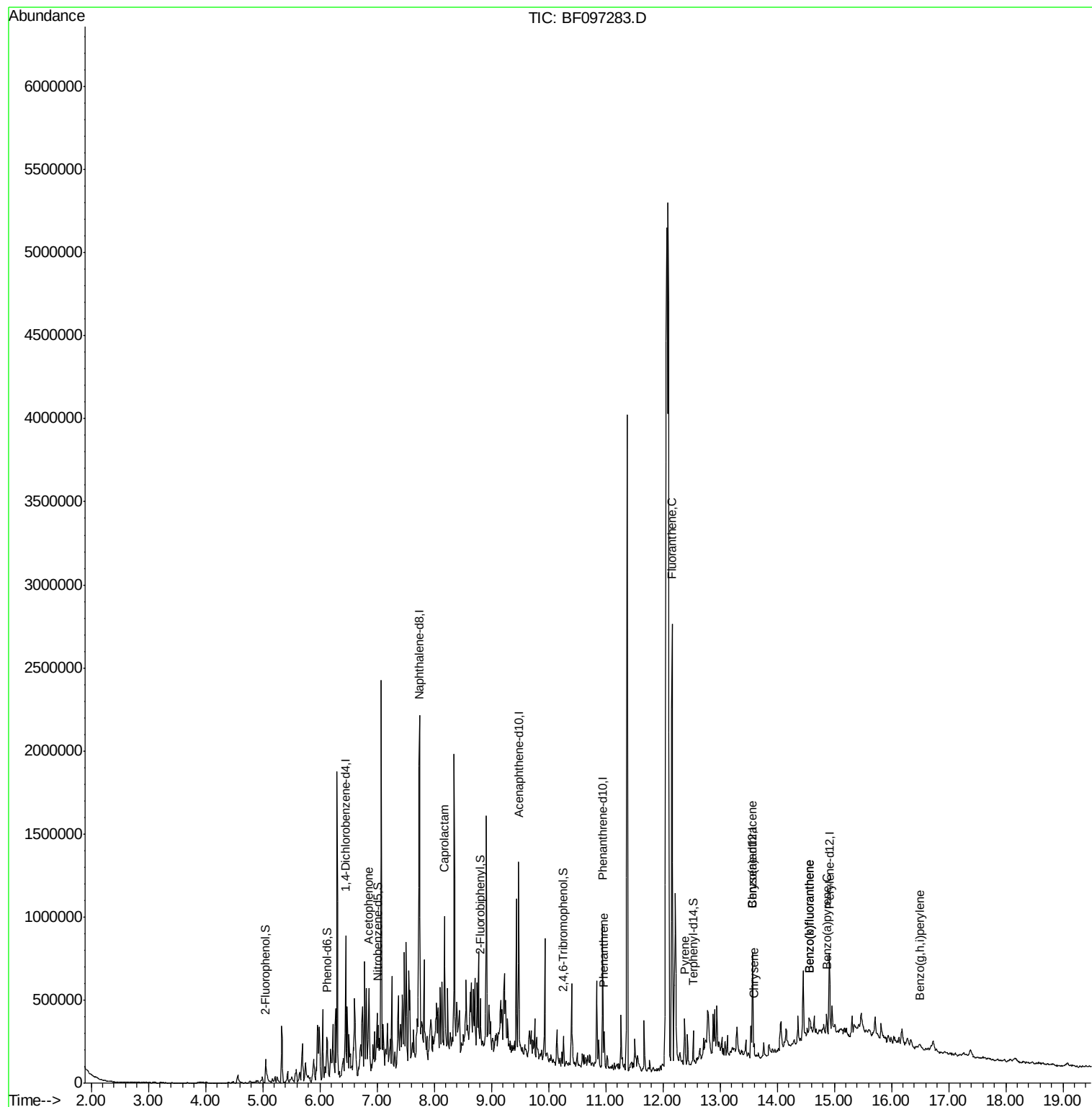
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	121899	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	479201	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	199537	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	324052	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	212936	20.00	ng	-0.06
86) Perylene-d12	14.92	264	191492	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	67562	8.36	ng	-0.05
7) Phenol-d6	6.12	99	95048	10.30	ng	-0.05
23) Nitrobenzene-d5	7.02	82	48065	5.88	ng	-0.05
41) 2,4,6-Tribromophenol	10.26	330	13237	8.40	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	88047	7.49	ng	-0.06
78) Terphenyl-d14	12.53	244	56233	5.38	ng	-0.05
Target Compounds						Qvalue
22) Acetophenone	6.86	105	63246	5.50	ng	# 42
35) Caprolactam	8.18	113	10903	5.20	ng	# 1
70) Phenanthrene	10.97	178	89867	5.18	ng	97
74) Fluoranthene	12.16	202	106970	6.29	ng	79
77) Pyrene	12.38	202	96094	5.51	ng	98
80) Benzo(a)anthracene	13.56	228	36894	2.68	ng	98
82) Chrysene	13.60	228	32157	2.39	ng	97
87) Benzo(b)fluoranthene	14.56	252	53374	4.64	ng	# 89
88) Benzo(k)fluoranthene	14.56	252	53374	4.87	ng	# 92
89) Benzo(a)pyrene	14.87	252	28096	2.67	ng	# 81
91) Benzo(g,h,i)perylene	16.49	276	19177	2.12	ng	94

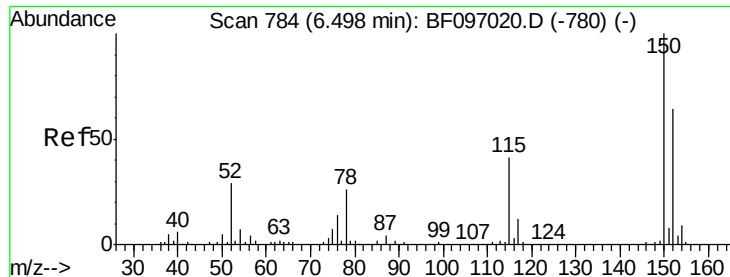
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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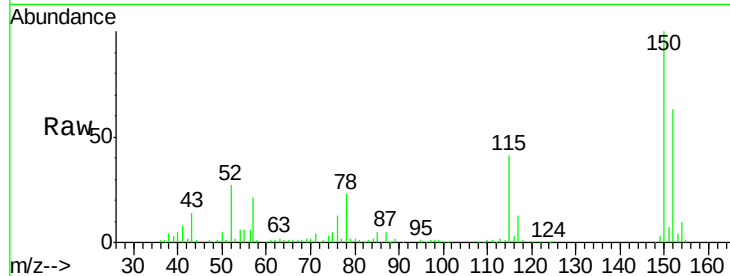


#1

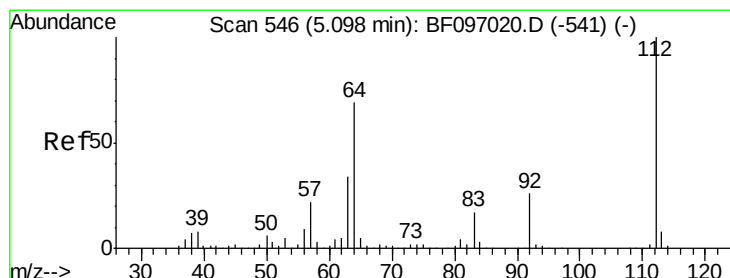
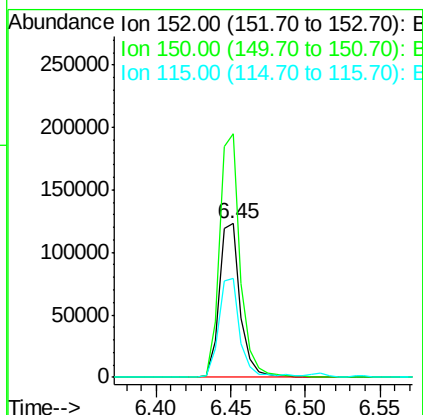
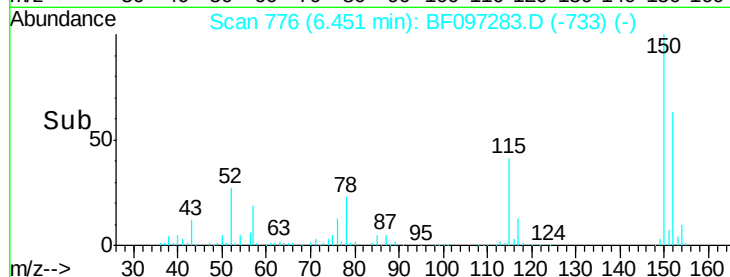
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 121899
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 64.1 52.2 78.2



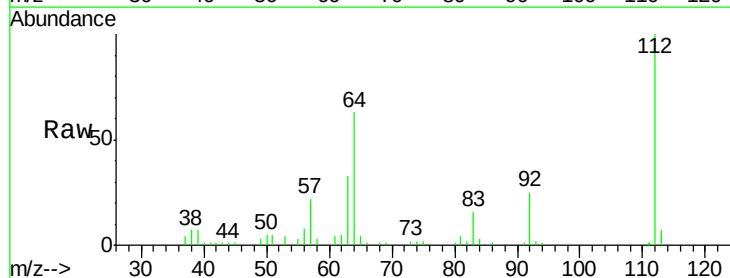
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



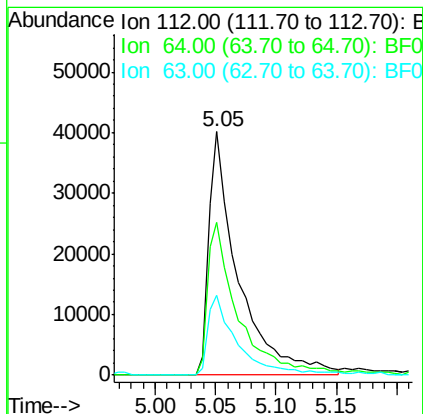
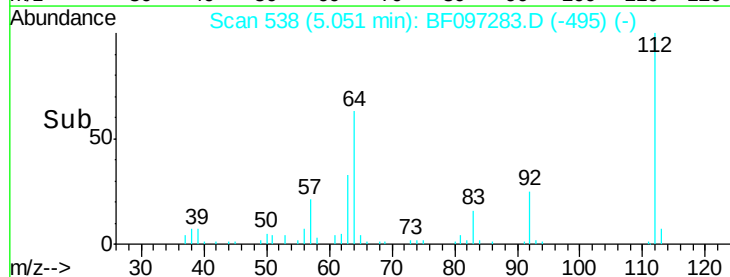
#5

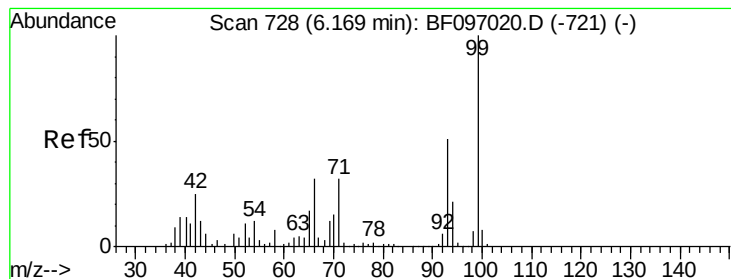
2-Fluorophenol
Concen: 8.36 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion:112 Resp: 67562
Ion Ratio Lower Upper
112 100
64 62.9 46.0 69.0
63 32.8 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: 10.30 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

ClientSampleId :

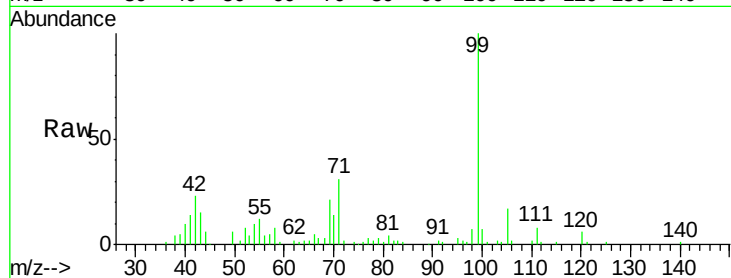
Tot Ion: 99 Resp: 95048

Ion Ratio Lower Upper

99 100

42 23.2 13.5 20.3#

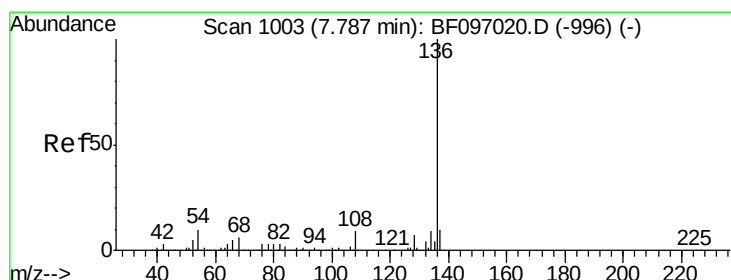
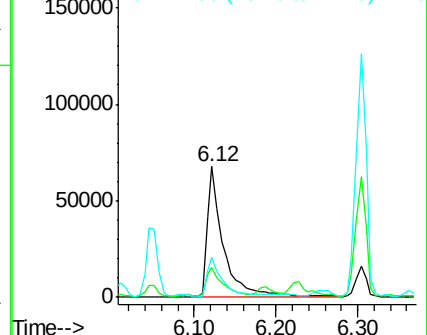
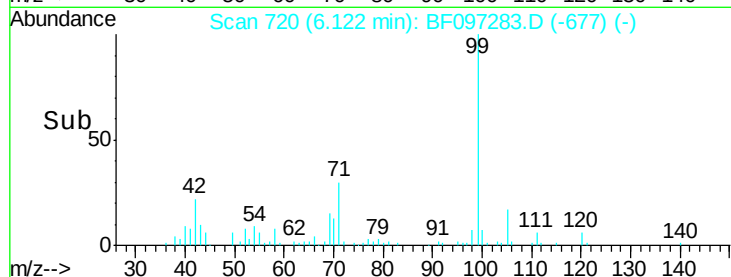
71 30.7 24.5 36.7



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: 7.73 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Tgt Ion: 136 Resp: 479201

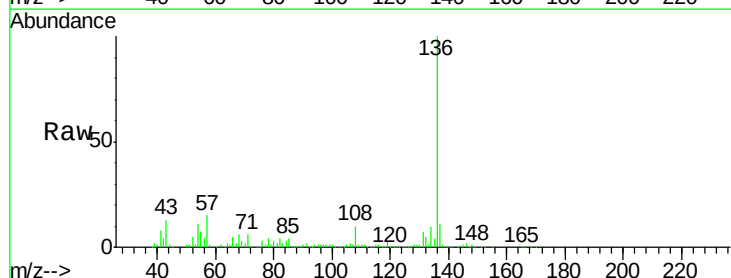
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 10.7 4.9 7.3#

68 5.6 4.1 6.1

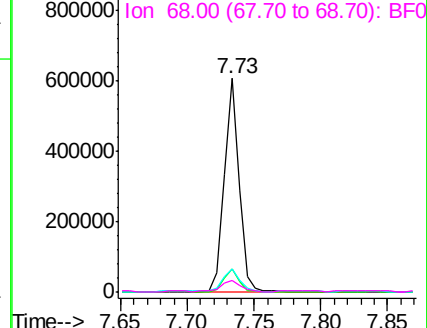
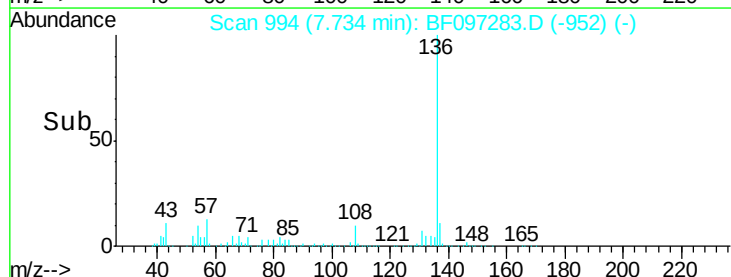


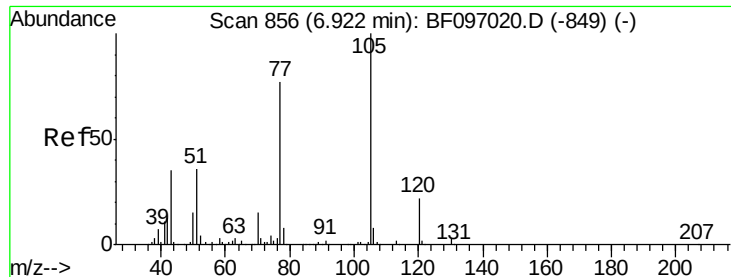
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 5.50 ng

RT: 6.86 min Scan# 845

Delta R.T. -0.06 min

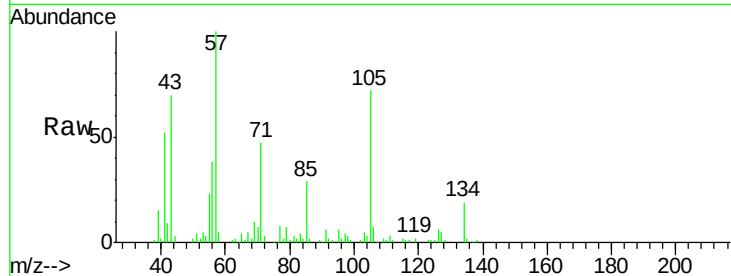
Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

ClientSampled :



Tot Ion:105 Resp: 63246

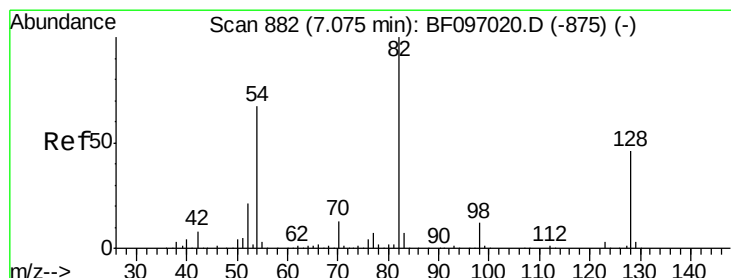
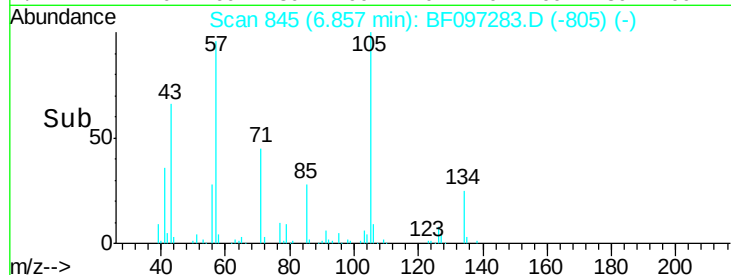
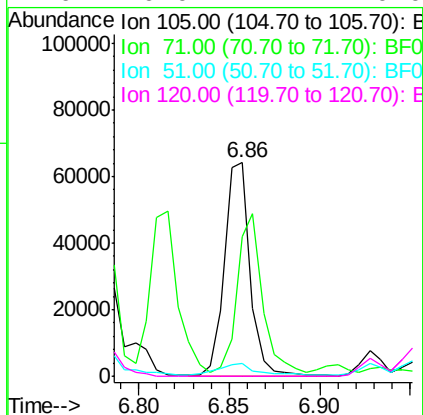
Ion Ratio Lower Upper

105 100

71 65.1 2.8 4.2#

51 5.8 30.7 46.1#

120 0.0 17.4 26.0#



#23

Nitrobenzene-d5

Concen: 5.88 ng

RT: 7.02 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

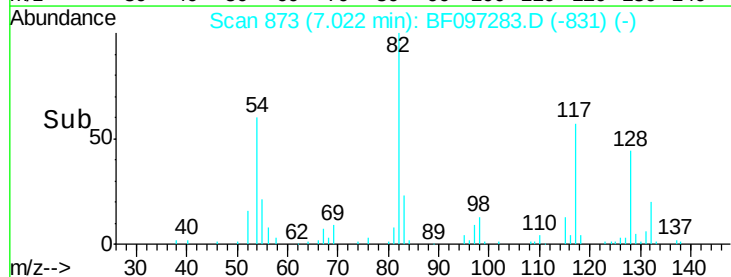
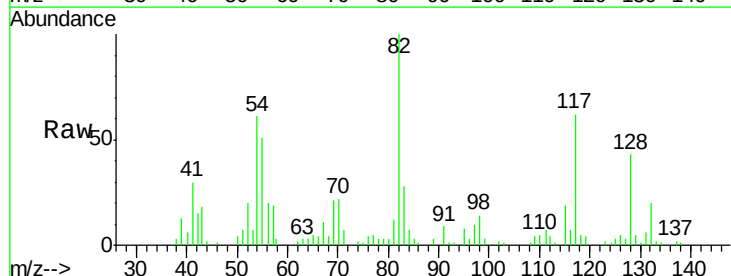
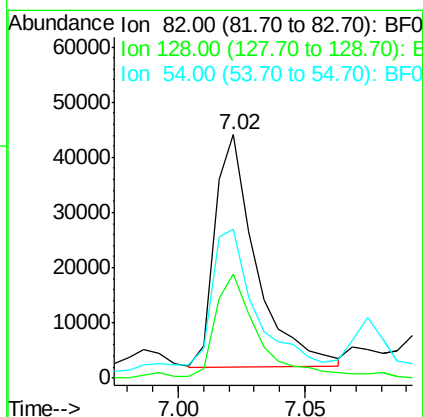
Tgt Ion: 82 Resp: 48065

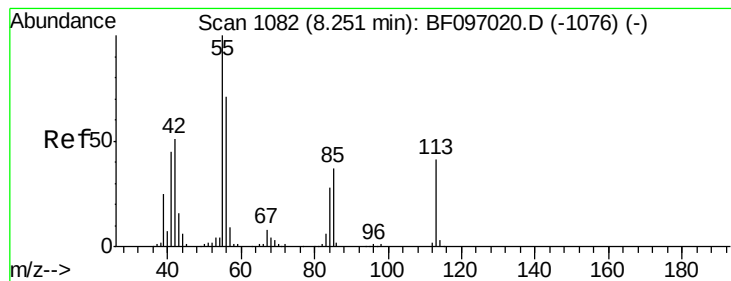
Ion Ratio Lower Upper

82 100

128 42.7 34.0 51.0

54 61.0 42.2 63.2





#35

Caprolactam

Concen: 5.20 ng

RT: 8.18 min Scan# 1070

Delta R.T. -0.07 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

ClientSampleId :

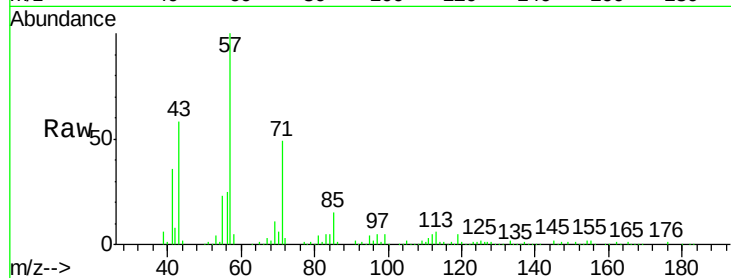
Tot Ion:113 Resp: 10903

Ion Ratio Lower Upper

113 100

55 411.5 150.2 190.2#

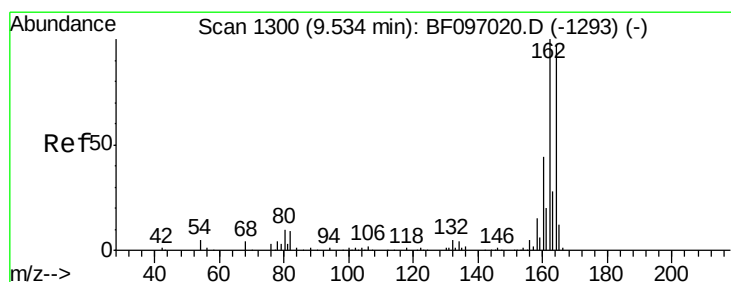
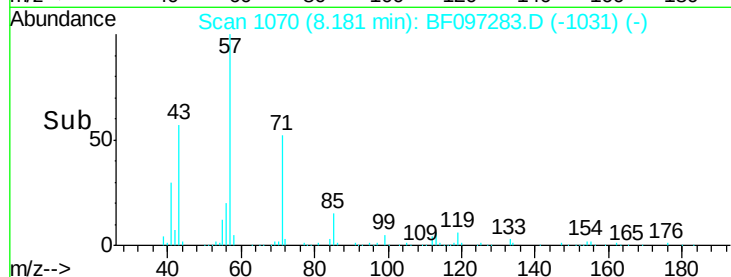
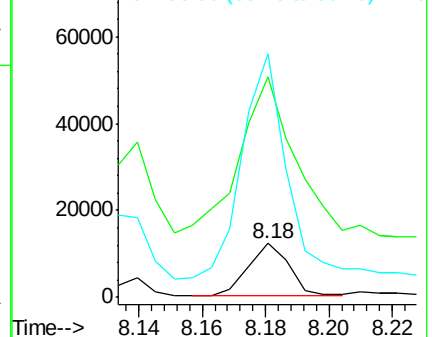
56 453.9 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.47 min Scan# 1290

Delta R.T. -0.06 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

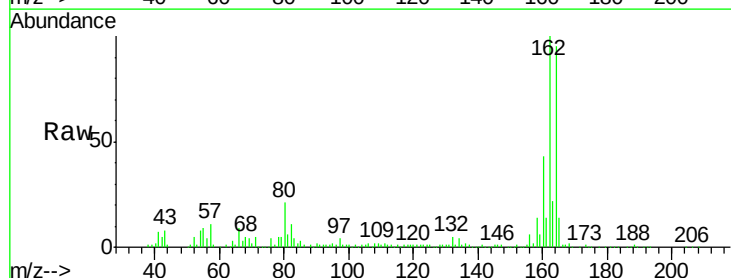
Tgt Ion:164 Resp: 199537

Ion Ratio Lower Upper

164 100

162 105.2 82.6 123.8

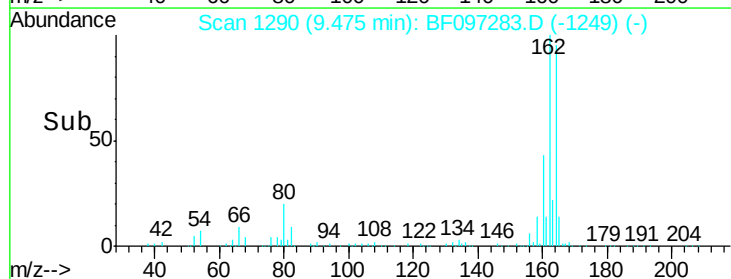
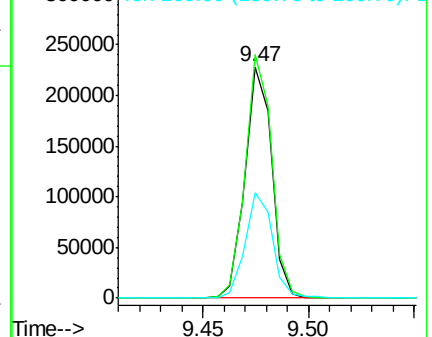
160 45.6 36.2 54.2

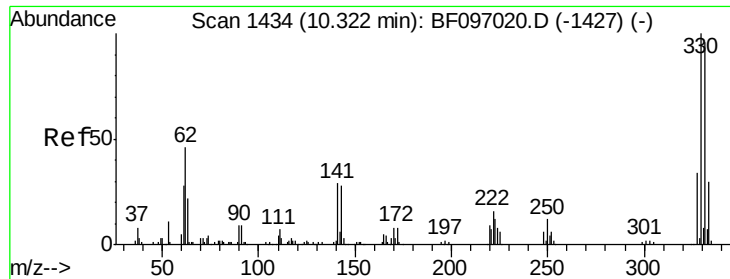


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

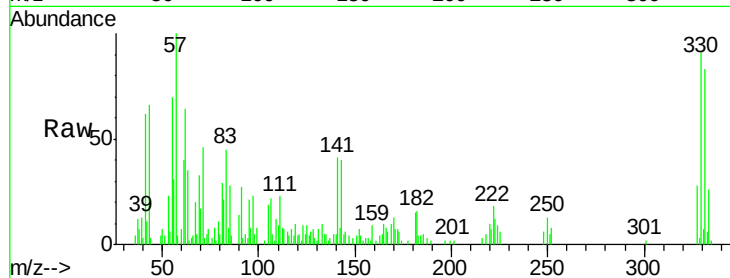




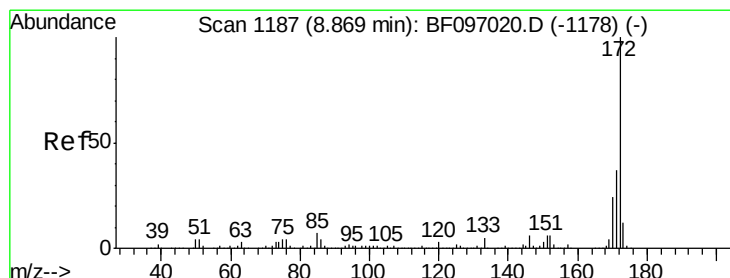
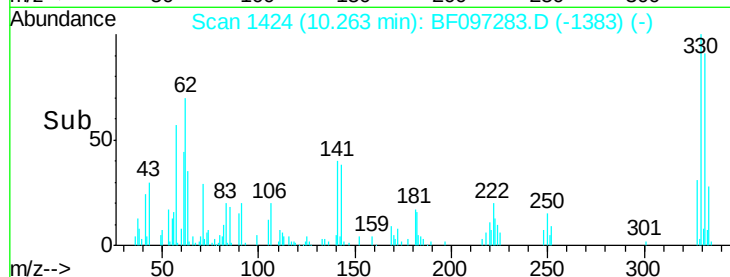
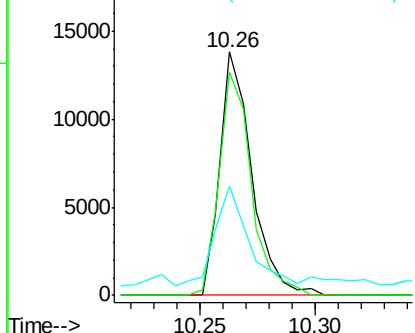
#41
 2,4,6-Tribromophenol
 Concen: 8.40 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097283.D
 Acq: 2 Aug 2017 19:48

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 13237
 Ion Ratio Lower Upper
 330 100
 332 92.7 76.6 115.0
 141 42.2 31.4 47.2

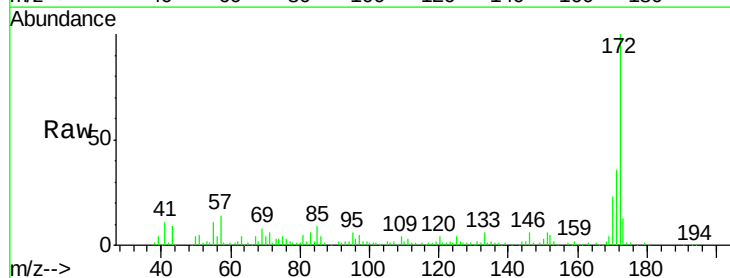


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

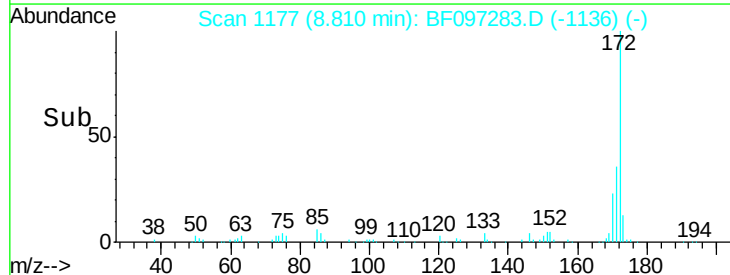
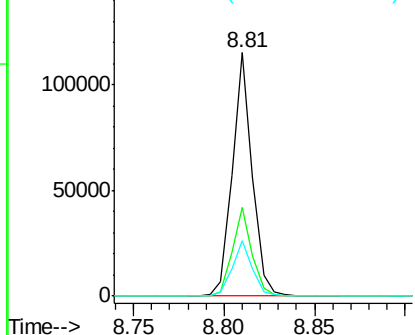


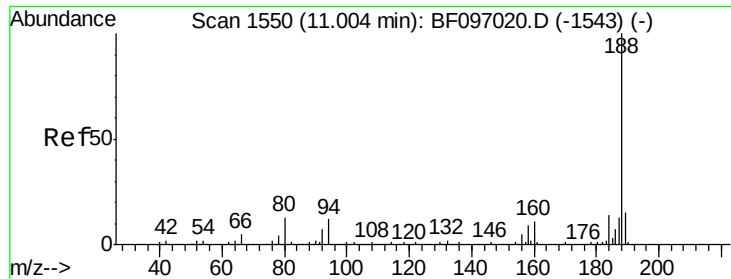
#44
 2-Fluorobiphenyl
 Concen: 7.49 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097283.D
 Acq: 2 Aug 2017 19:48

Tgt Ion:172 Resp: 88047
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 22.8 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

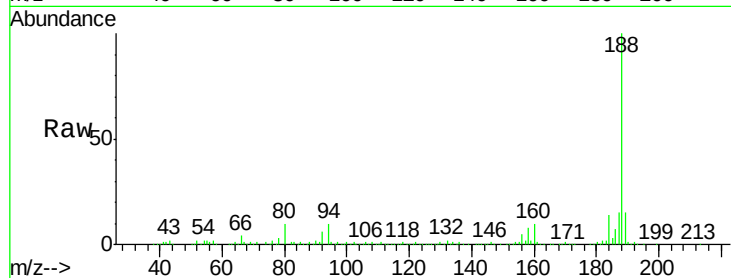




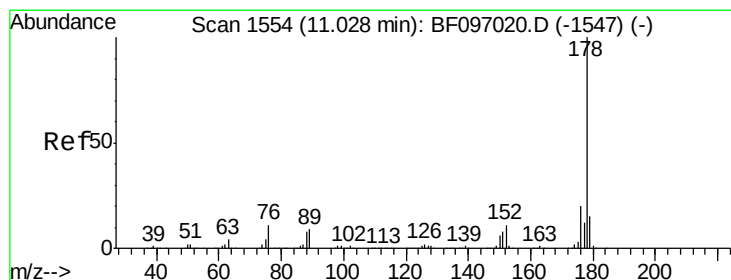
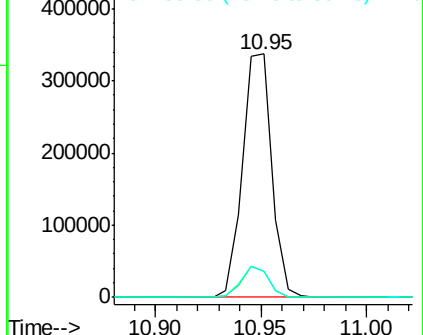
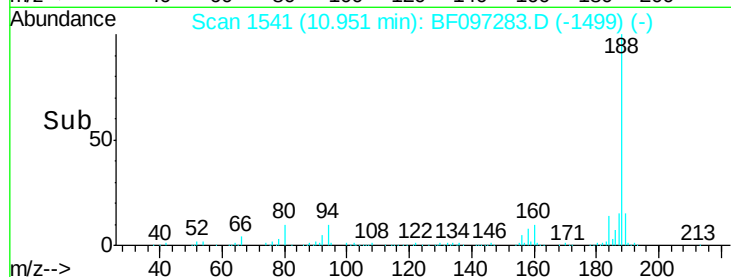
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 324052
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 10.5 10.2 15.2

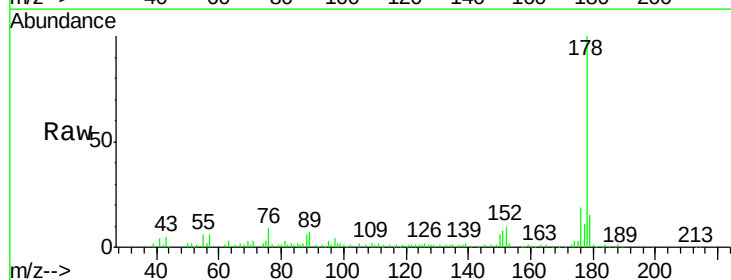


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

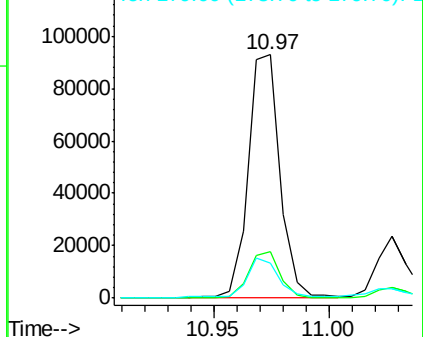
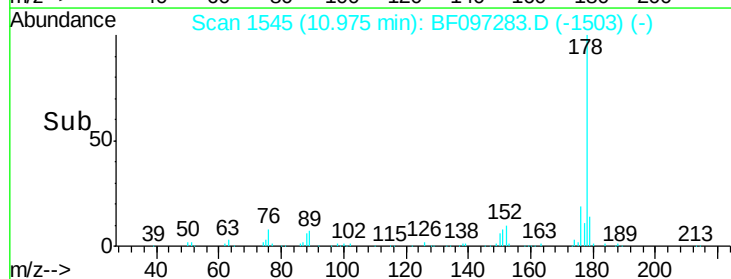


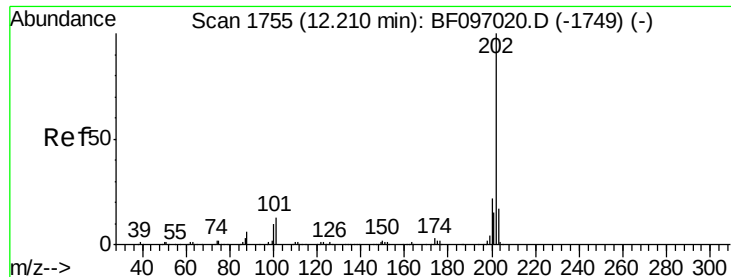
#70
Phenanthrene
Concen: 5.18 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion:178 Resp: 89867
Ion Ratio Lower Upper
178 100
176 19.0 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





#74

Fluoranthene

Concen: 6.29 ng

RT: 12.16 min Scan# 1746

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

ClientSampled :

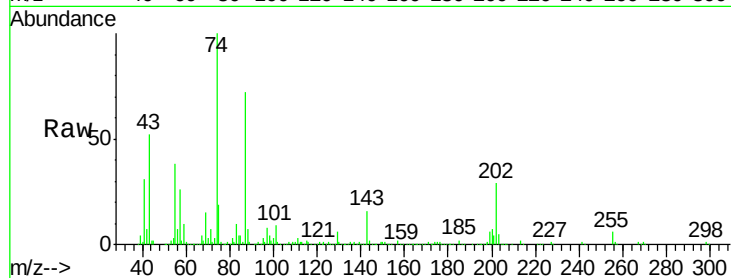
Tot Ion:202 Resp: 106970

Ion Ratio Lower Upper

202 100

101 31.8 0.0 33.2

203 17.2 0.0 38.1

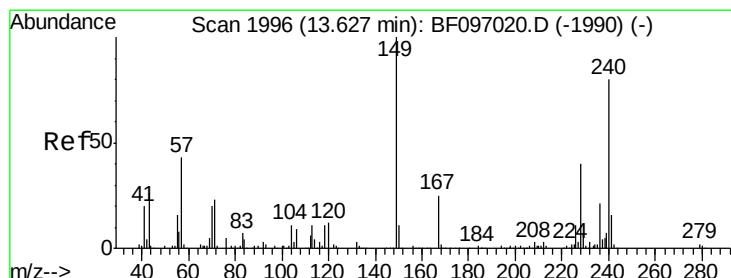
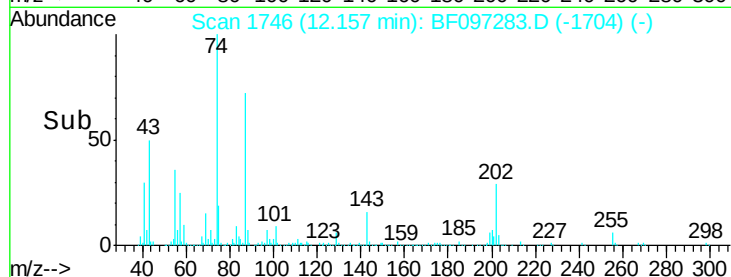
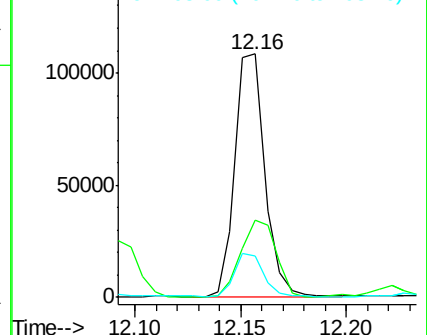


Abundance

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: 13.57 min Scan# 1986

Delta R.T. -0.06 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

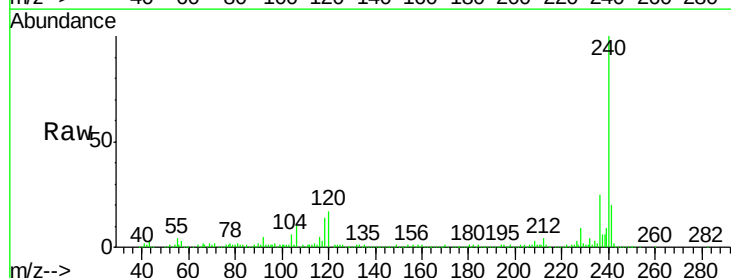
Tgt Ion:240 Resp: 212936

Ion Ratio Lower Upper

240 100

120 16.5 5.8 8.8#

236 25.3 20.5 30.7

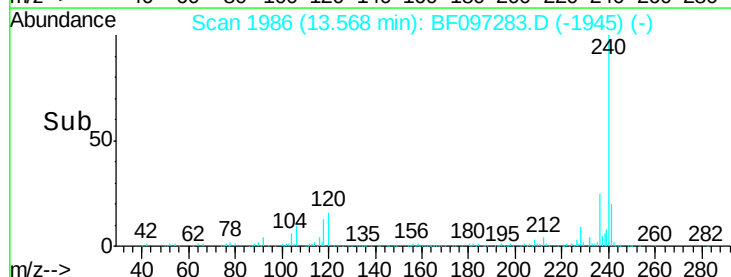
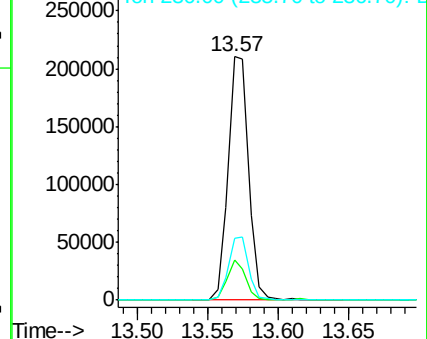


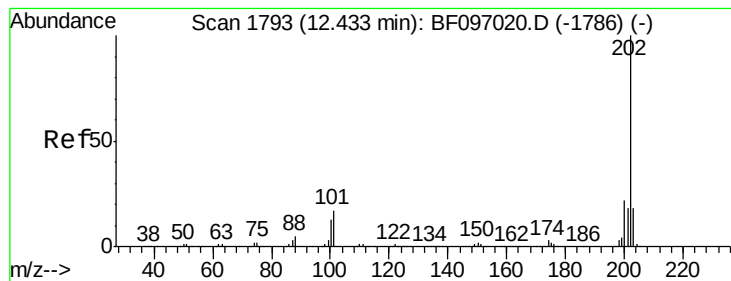
Abundance

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: 5.51 ng

RT: 12.38 min Scan# 1784

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

ClientSampleId :

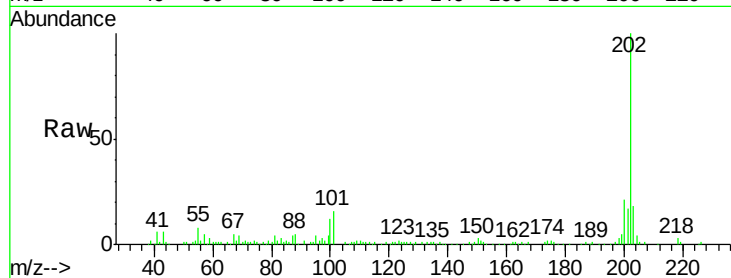
Tot Ion:202 Resp: 96094

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

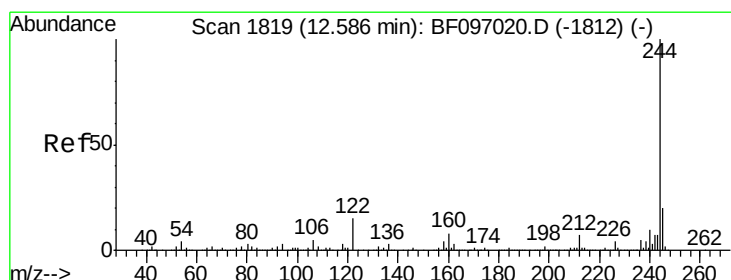
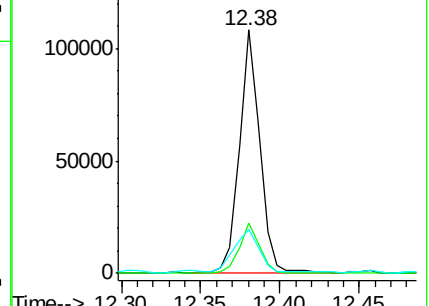
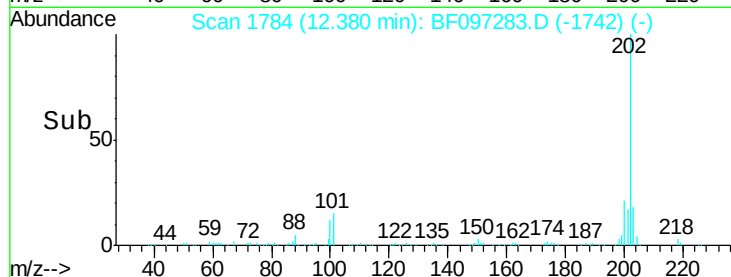
203 18.1 14.4 21.6



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



#78

Terphenyl-d14

Concen: 5.38 ng

RT: 12.53 min Scan# 1810

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

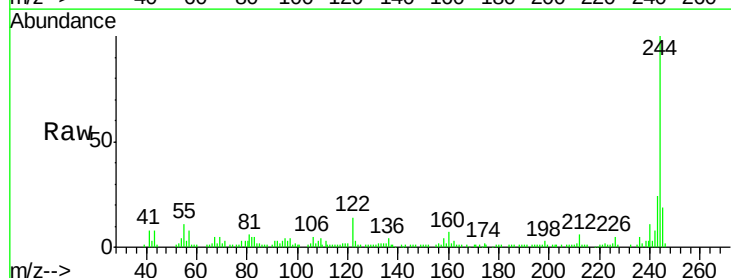
Tgt Ion:244 Resp: 56233

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

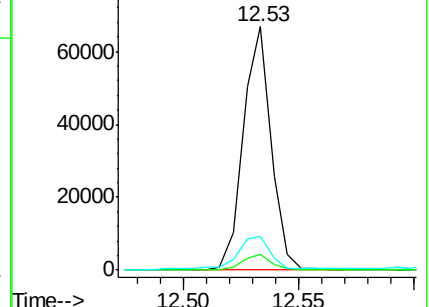
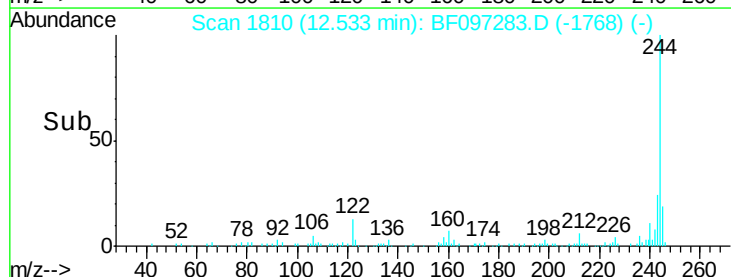
122 13.6 10.3 15.5

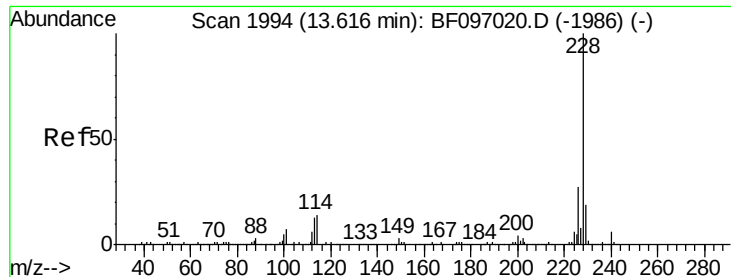


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.68 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.05 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

ClientSampleId :

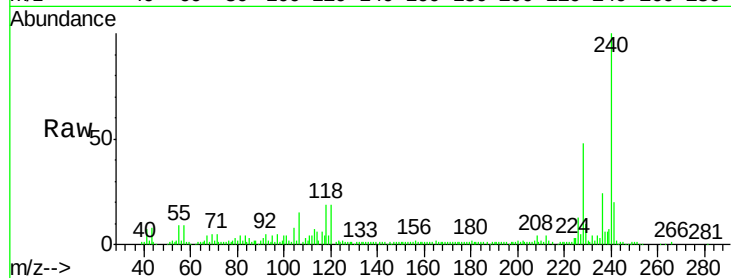
Tot Ion:228 Resp: 36894

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

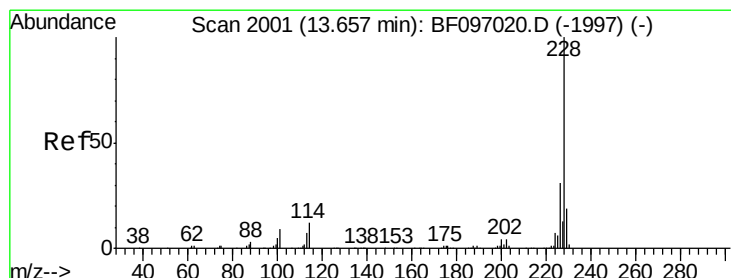
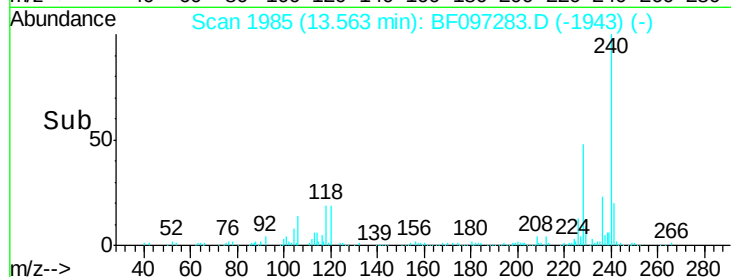
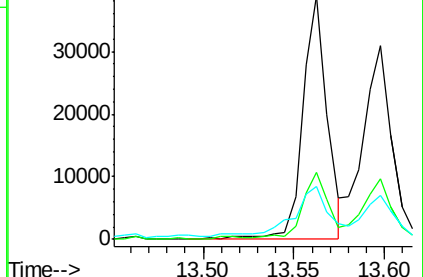
229 21.5 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.39 ng

RT: 13.60 min Scan# 1991

Delta R.T. -0.06 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

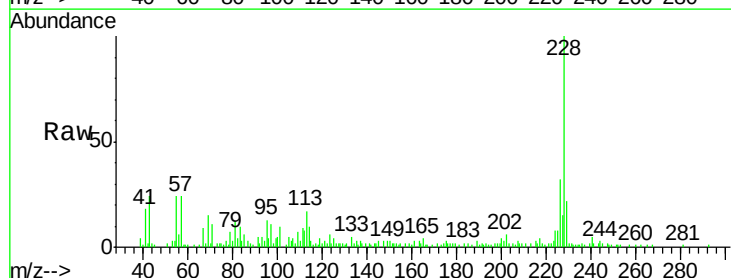
Tgt Ion:228 Resp: 32157

Ion Ratio Lower Upper

228 100

226 31.5 24.9 37.3

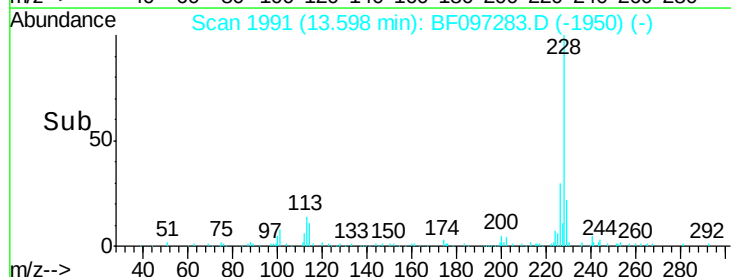
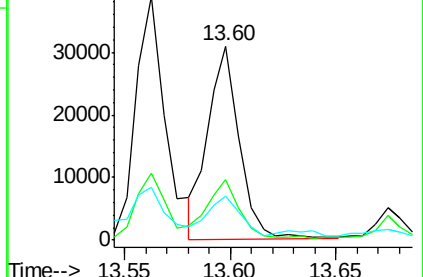
229 22.4 15.8 23.6

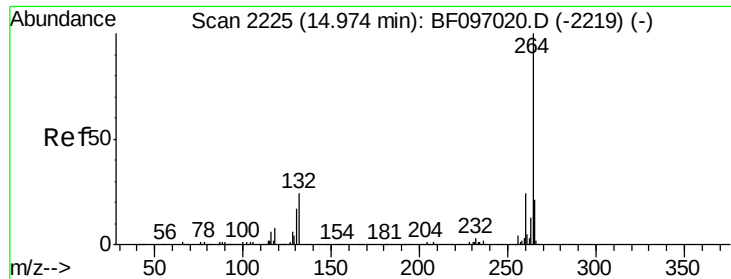


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



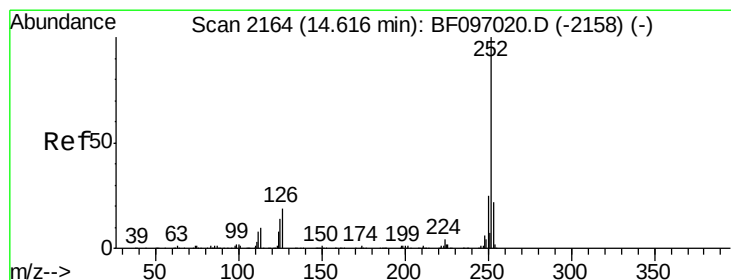
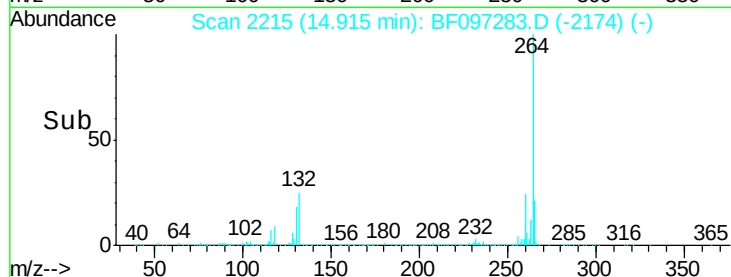
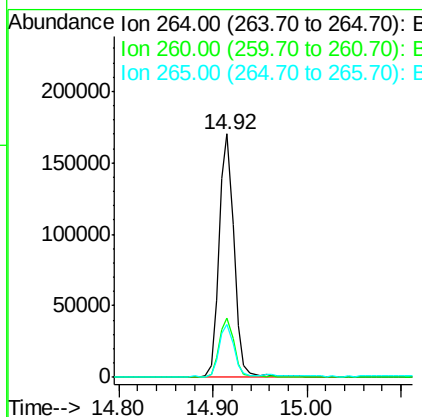
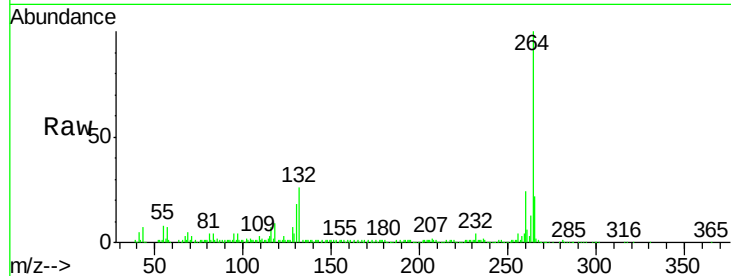


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 191492

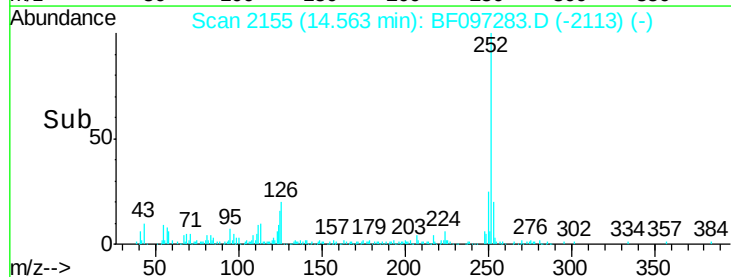
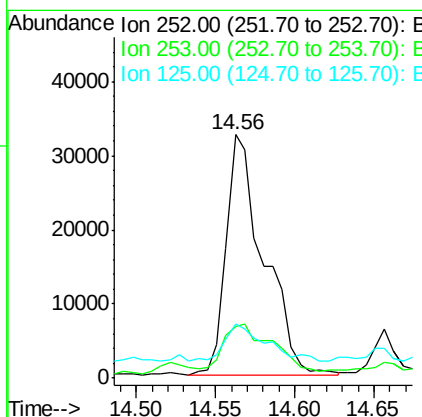
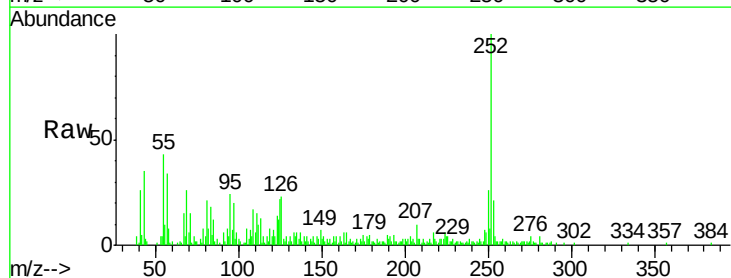
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.5	17.2	25.8

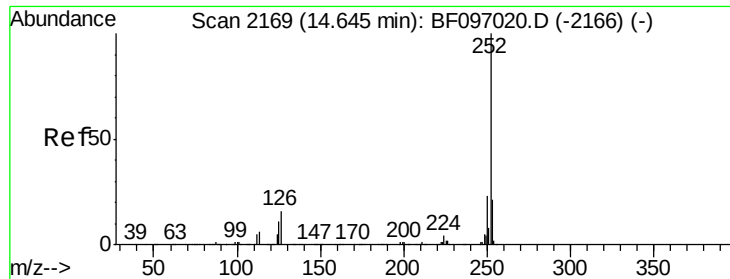


#87
Benzo(b)fluoranthene
Concen: 4.64 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion:252 Resp: 53374

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.1	27.1
125	22.5	9.8	14.8#

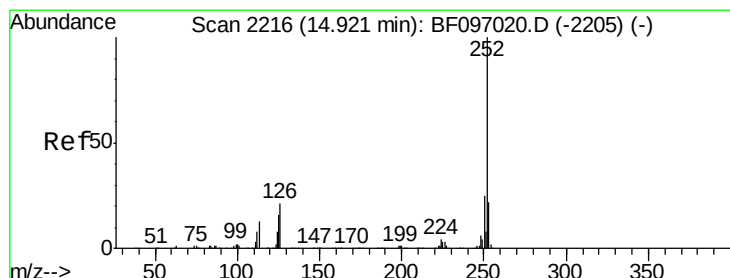
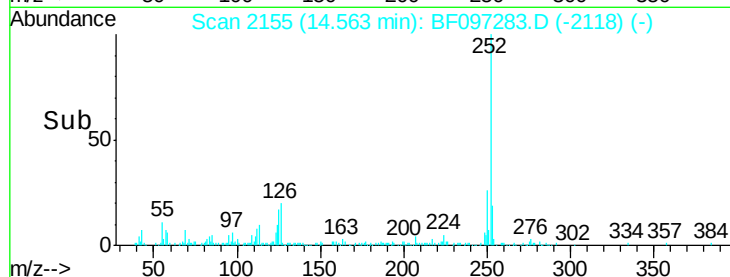
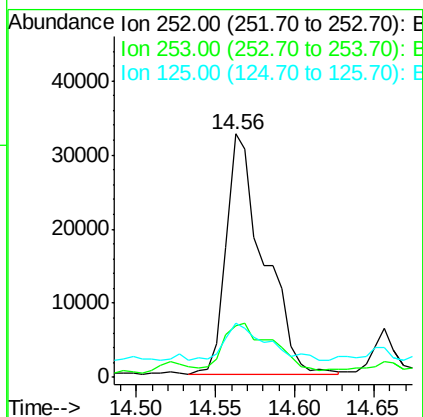
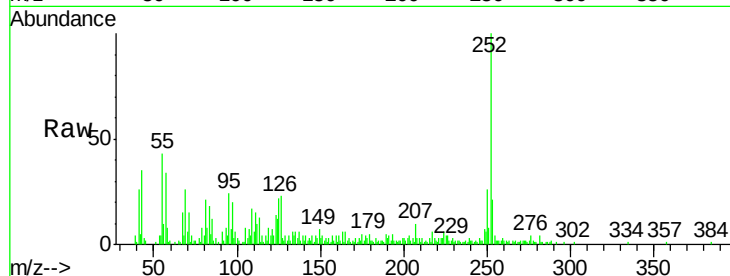




#88
Benzo(k)fluoranthene
Concen: 4.87 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.08 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

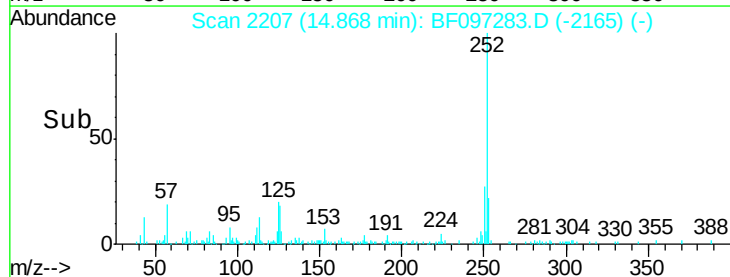
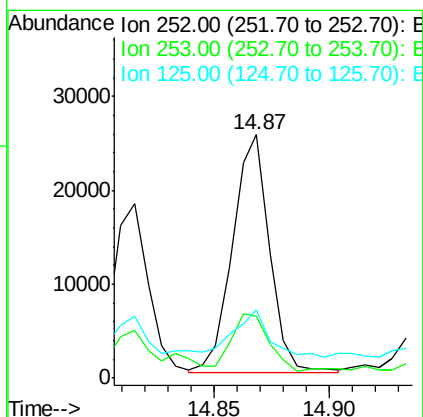
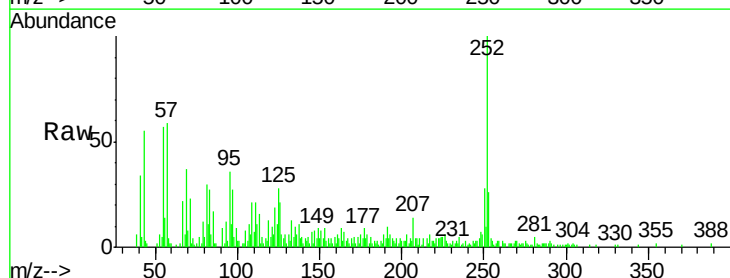
Instrument :
BNA_F
ClientSampleId :

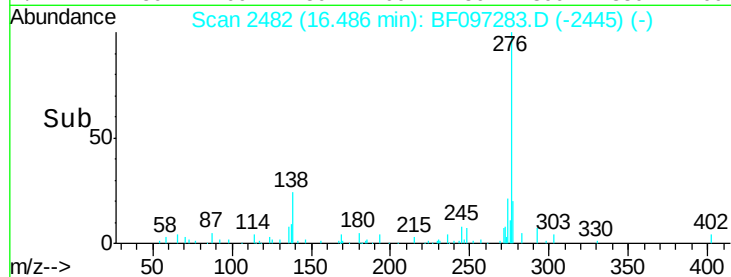
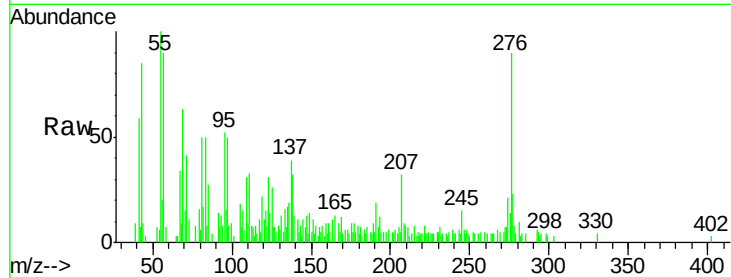
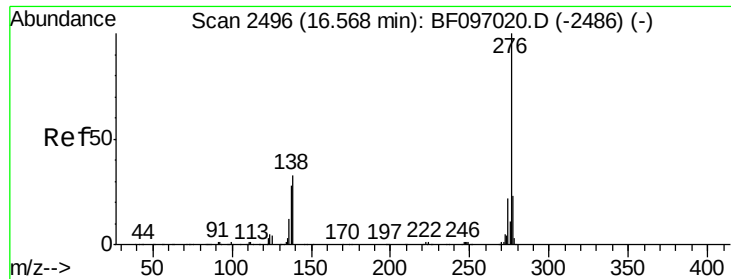
Tot Ion:252 Resp: 53374
Ion Ratio Lower Upper
252 100
253 21.2 18.4 27.6
125 22.5 13.1 19.7#



#89
Benzo(a)pyrene
Concen: 2.67 ng
RT: 14.87 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF097283.D
Acq: 2 Aug 2017 19:48

Tgt Ion:252 Resp: 28096
Ion Ratio Lower Upper
252 100
253 25.6 17.5 26.3
125 28.3 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.12 ng

RT: 16.49 min Scan# 2482

Delta R.T. -0.08 min

Lab File: BF097283.D

Acq: 2 Aug 2017 19:48

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 19177

Ion Ratio Lower Upper

276 100

277 25.7 18.6 28.0

138 35.2 25.4 38.0

