

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097384.D
 Acq On : 5 Aug 2017 5:01
 Operator : SJ/JU
 Sample : I4588-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

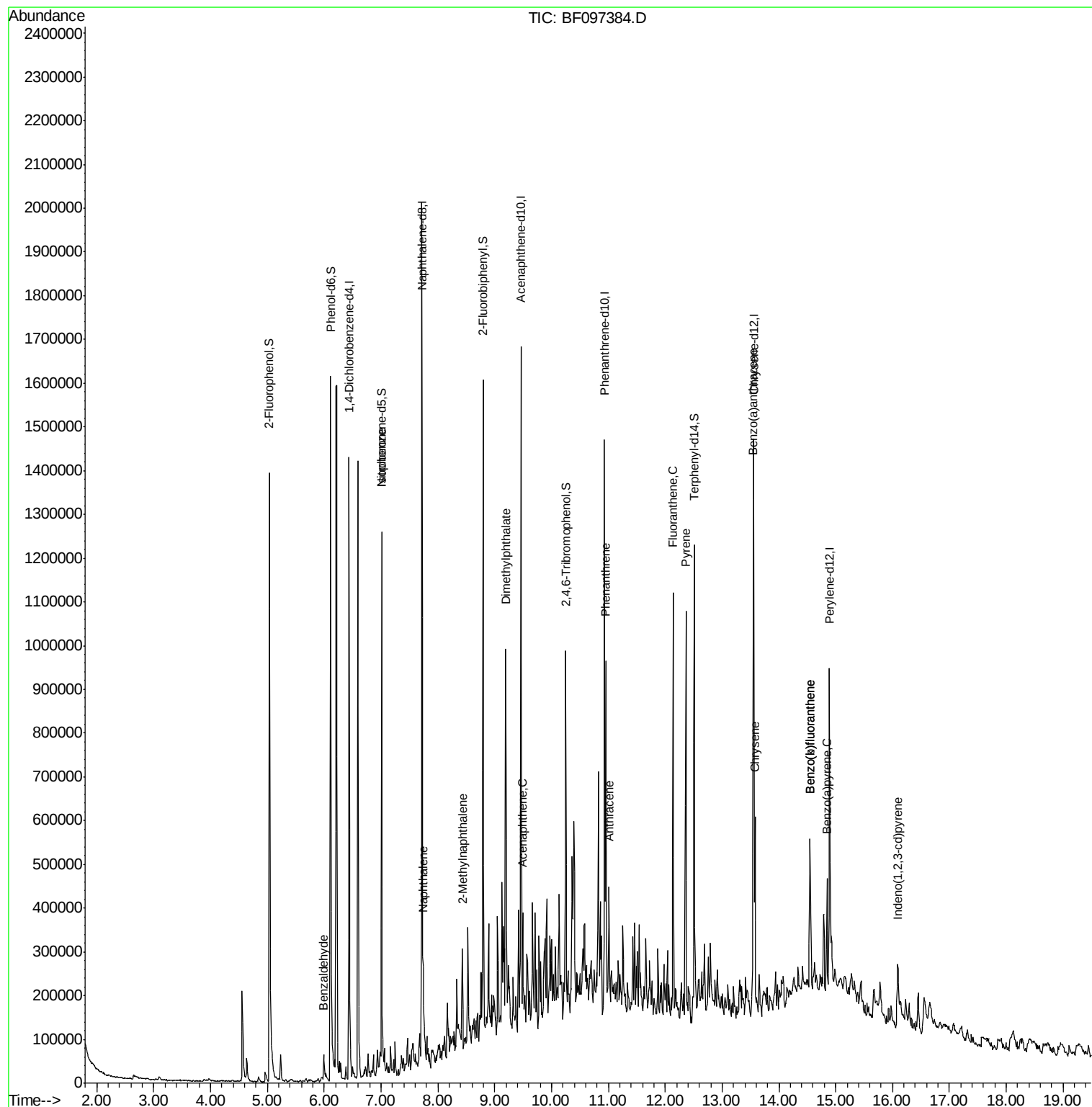
Quant Time: Aug 06 00:52:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

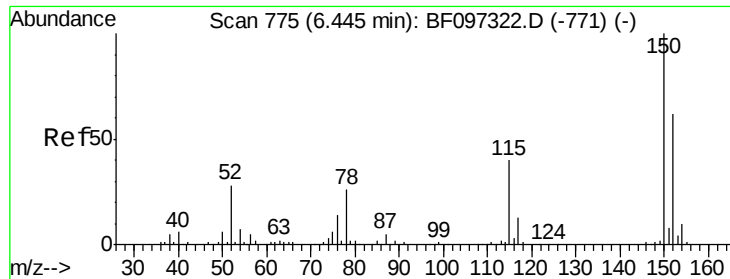
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	208843	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	806603	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	294733	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	446456	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	359633	20.00	ng	-0.07
86) Perylene-d12	14.89	264	291416	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	494407	35.69	ng	-0.06
7) Phenol-d6	6.11	99	570153	36.05	ng	-0.06
23) Nitrobenzene-d5	7.01	82	374650	27.25	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	87318	37.50	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	494812	28.49	ng	-0.07
78) Terphenyl-d14	12.51	244	307244	17.42	ng	-0.08
Target Compounds						
9) Benzaldehyde	5.99	77	18801	2.01	ng	# 73
25) Isophorone	7.01	82	367219	13.64	ng	# 67
31) Naphthalene	7.74	128	87378	2.30	ng	98
37) 2-Methylnaphthalene	8.43	142	61732	2.56	ng	97
49) Dimethylphthalate	9.20	163	299347	13.37	ng	98
51) Acenaphthene	9.49	154	40889	2.44	ng	91
70) Phenanthrene	10.96	178	261405	10.93	ng	98
71) Anthracene	11.01	178	85466	3.49	ng	99
74) Fluoranthene	12.14	202	392372	16.74	ng	98
77) Pyrene	12.36	202	391632	13.30	ng	99
80) Benzo(a)anthracene	13.54	228	172107	7.40	ng	97

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
Data File : BF097384.D
Acq On : 5 Aug 2017 5:01
Operator : SJ/JU
Sample : I4588-03
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Aug 06 00:52:12 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration



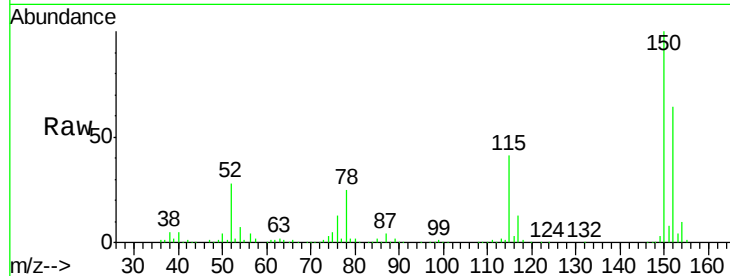


#1

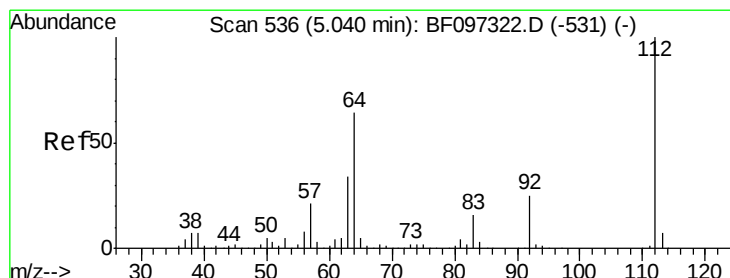
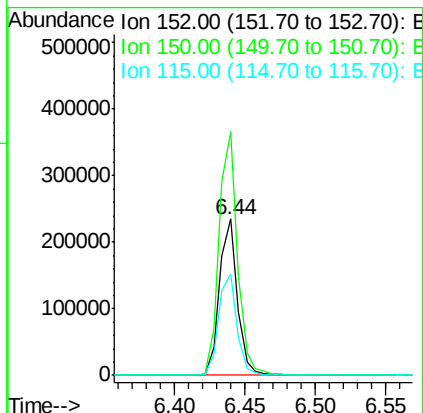
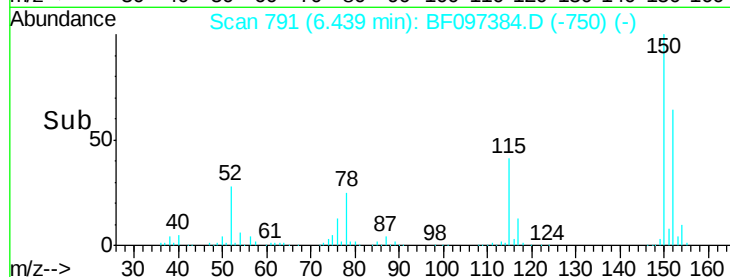
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097384.D
Acq: 5 Aug 2017 5:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 208843
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 64.6 52.2 78.2



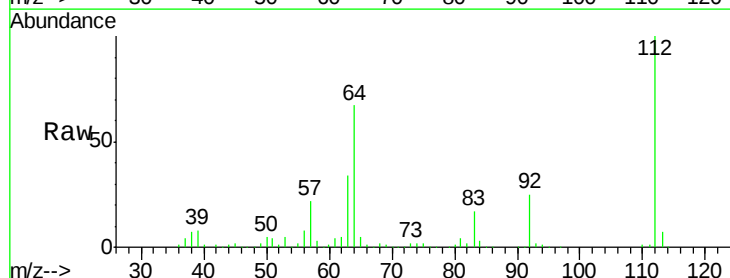
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



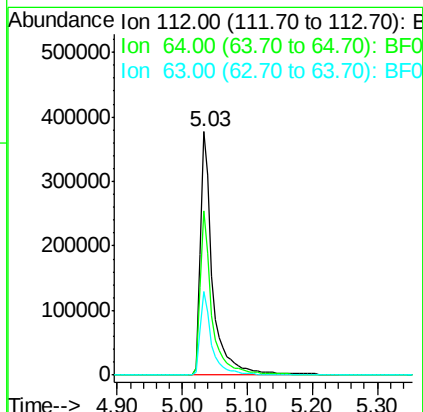
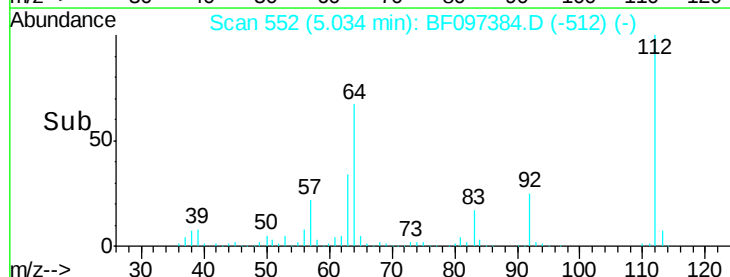
#5

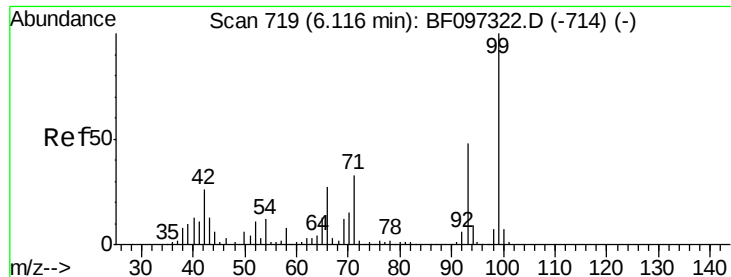
2-Fluorophenol
Concen: 35.69 ng
RT: 5.03 min Scan# 552
Delta R.T. -0.06 min
Lab File: BF097384.D
Acq: 5 Aug 2017 5:01

Tgt Ion:112 Resp: 494407
Ion Ratio Lower Upper
112 100
64 67.4 46.0 69.0
63 34.4 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: 36.05 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

Instrument :

BNA_F

ClientSampleId :

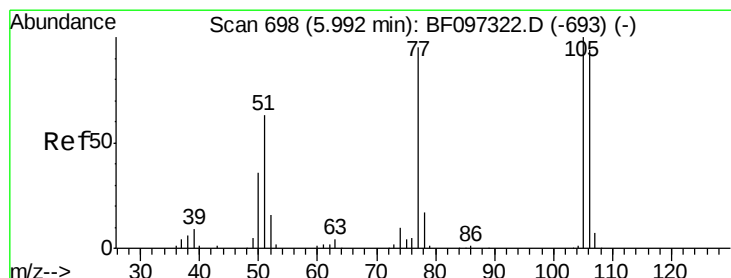
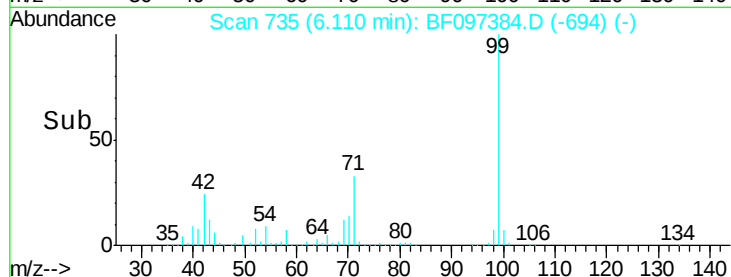
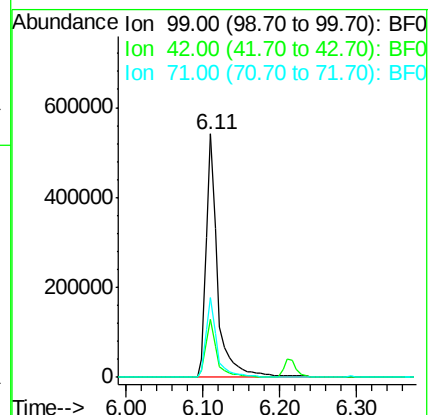
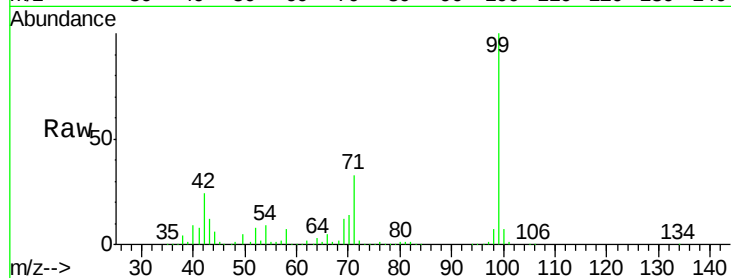
Tot Ion: 99 Resp: 570153

Ion Ratio Lower Upper

99 100

42 23.6 13.5 20.3#

71 32.9 24.5 36.7



#9

Benzaldehyde

Concen: 2.01 ng

RT: 5.99 min Scan# 715

Delta R.T. -0.05 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

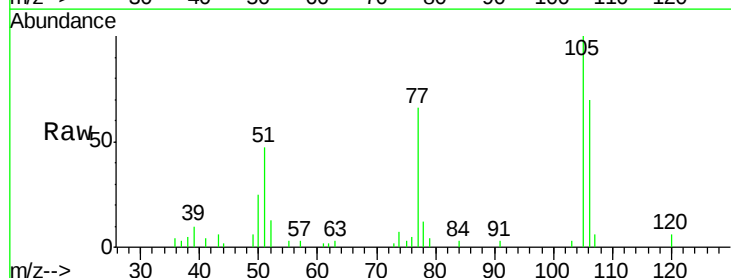
Tgt Ion: 77 Resp: 18801

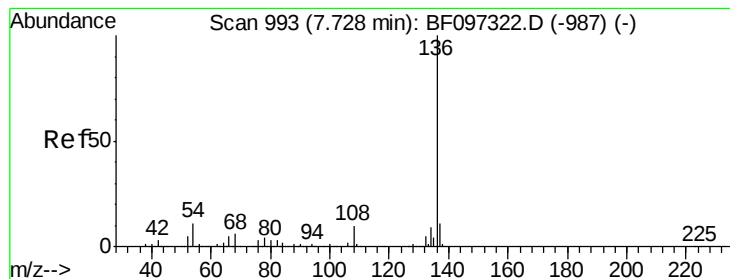
Ion Ratio Lower Upper

77 100

105 150.5 83.8 123.8#

106 105.6 79.1 119.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.72 min Scan# 1009

Delta R.T. -0.06 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 806603

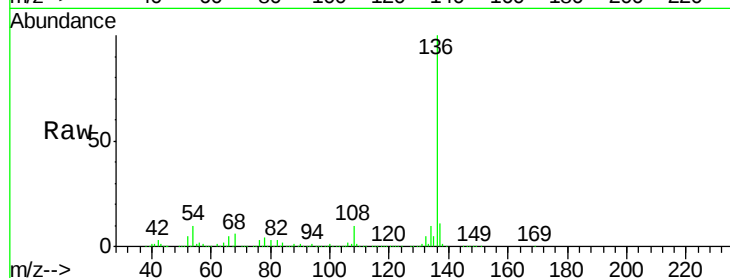
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.3 4.9 7.3#

68 5.6 4.1 6.1

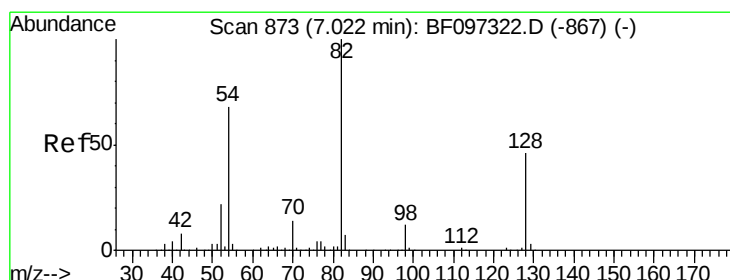
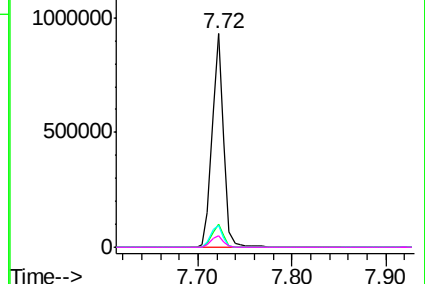
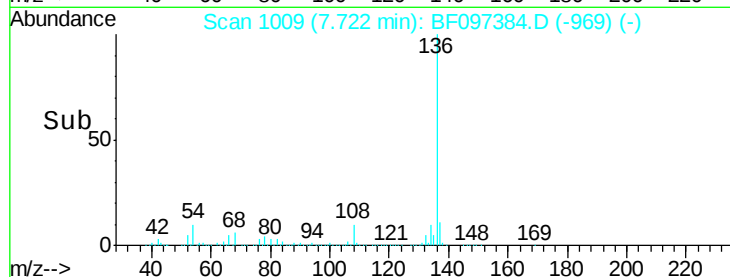


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 27.25 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.06 min

Lab File: BF097384.D

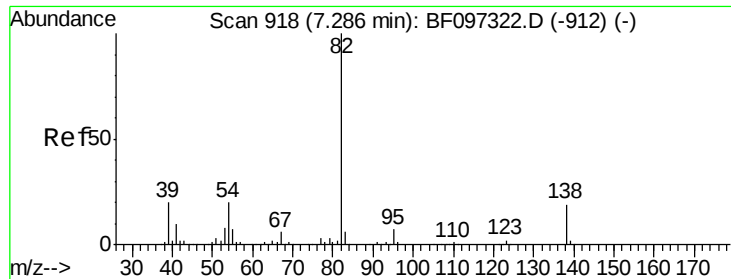
Acq: 5 Aug 2017 5:01

Tgt Ion: 82 Resp: 374650

Ion Ratio Lower Upper

82 100

</



#25

Isophorone

Concen: 13.64 ng

RT: 7.01 min Scan# 888

Delta R.T. -0.33 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

Instrument :

BNA_F

ClientSampled :

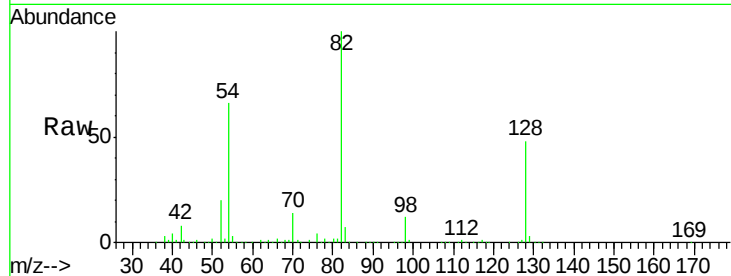
Tot Ion: 82 Resp: 367219

Ion Ratio Lower Upper

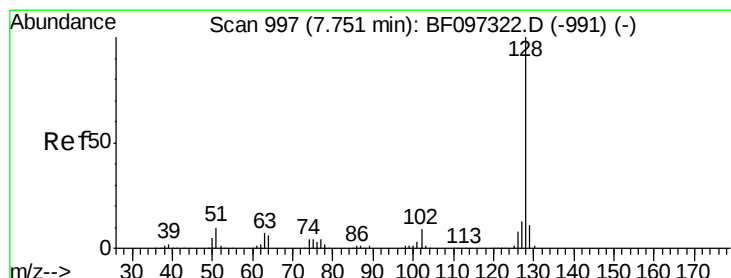
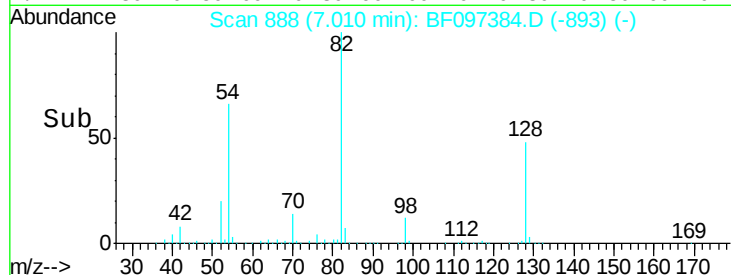
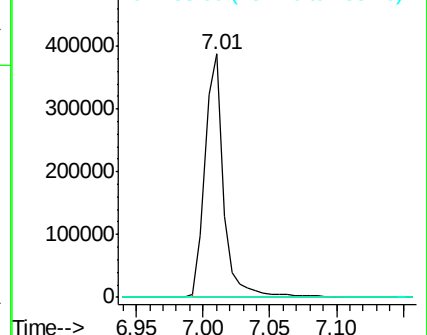
82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 2.30 ng

RT: 7.74 min Scan# 1012

Delta R.T. -0.07 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

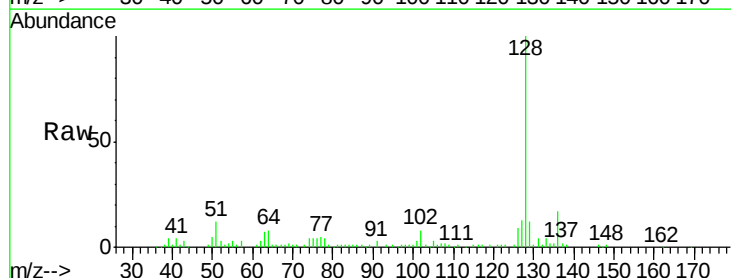
Tgt Ion: 128 Resp: 87378

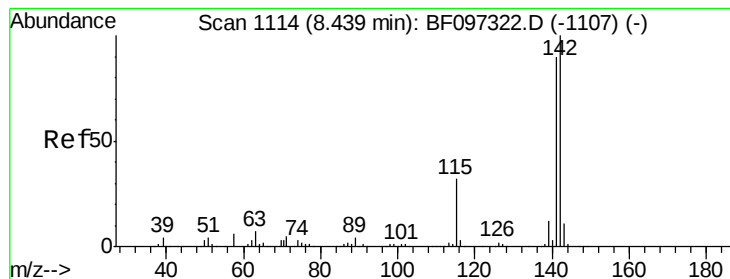
Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

127 12.6 10.8 16.2

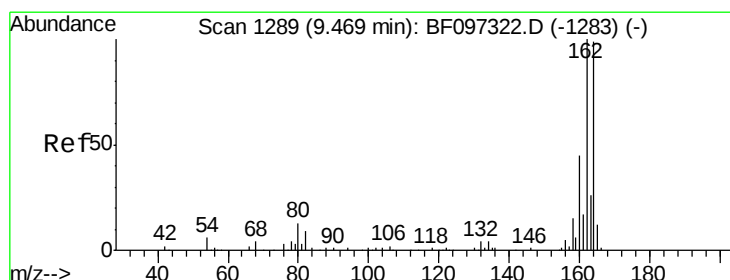
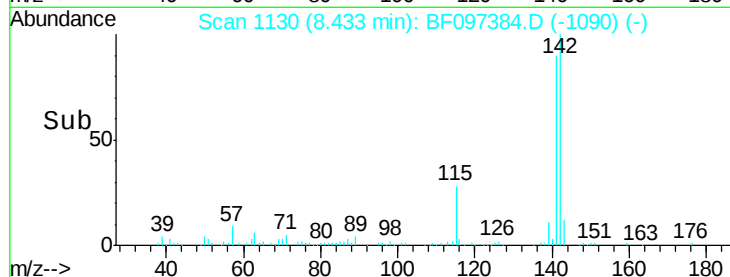
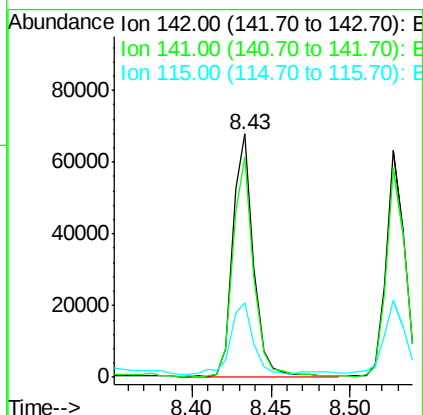
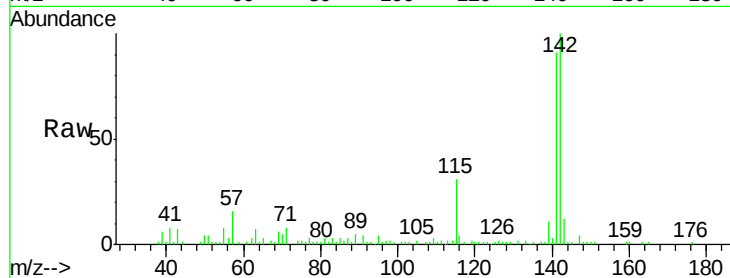




#37
 2-Methylnaphthalene
 Concen: 2.56 ng
 RT: 8.43 min Scan# 1130
 Delta R.T. -0.06 min
 Lab File: BF097384.D
 Acq: 5 Aug 2017 5:01

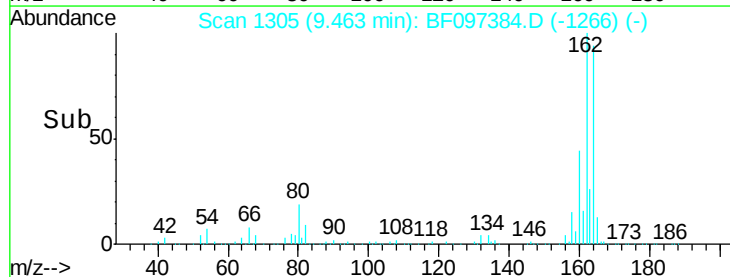
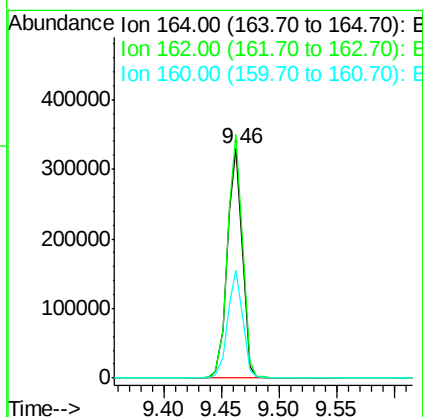
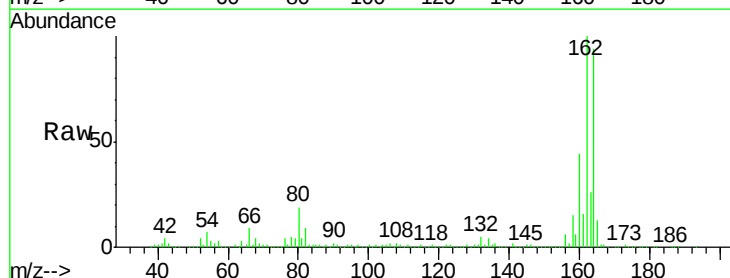
Instrument :
 BNA_F
 ClientSampleId :

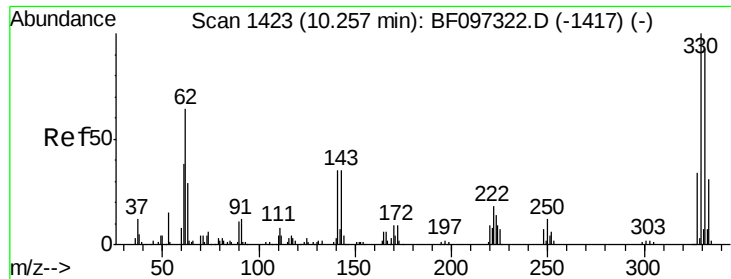
Tot Ion:142 Resp: 61732
 Ion Ratio Lower Upper
 142 100
 141 90.5 71.3 106.9
 115 30.8 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.07 min
 Lab File: BF097384.D
 Acq: 5 Aug 2017 5:01

Tgt Ion:164 Resp: 294733
 Ion Ratio Lower Upper
 164 100
 162 106.2 82.6 123.8
 160 47.1 36.2 54.2

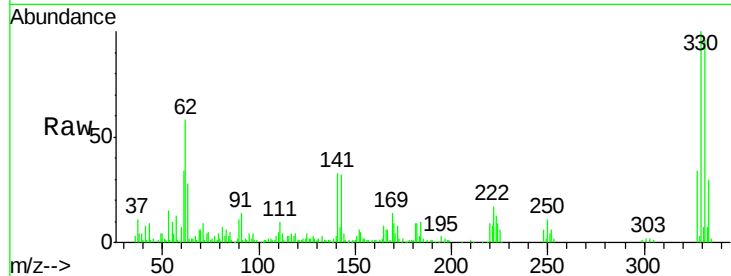




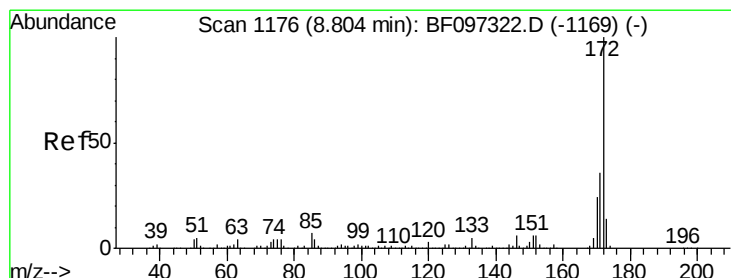
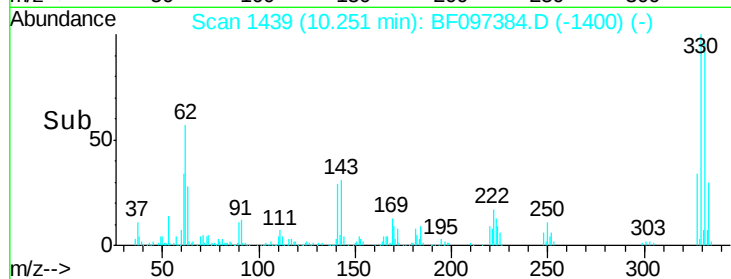
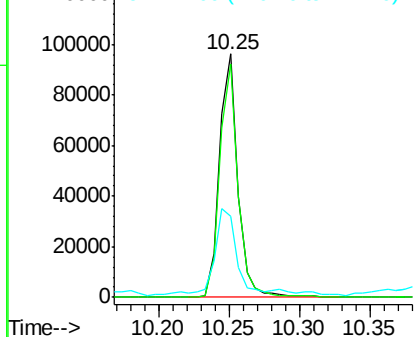
#41
 2,4,6-Tribromophenol
 Concen: 37.50 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097384.D
 Acq: 5 Aug 2017 5:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 87318
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 42.5 31.4 47.2

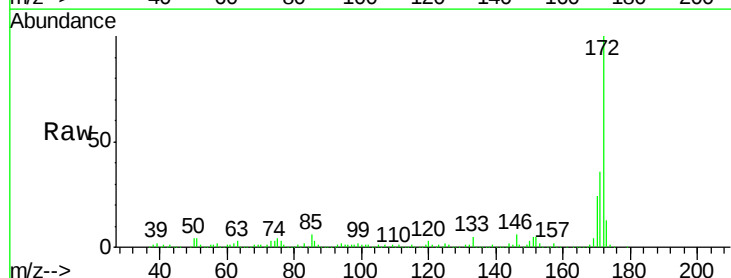


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

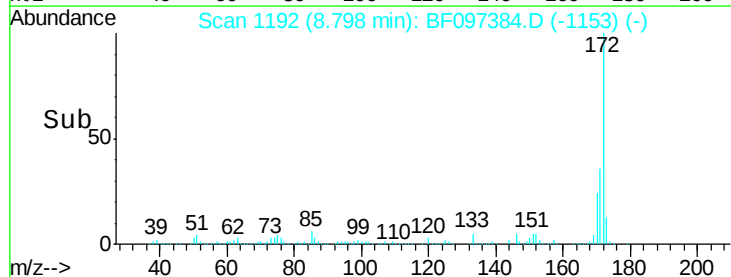
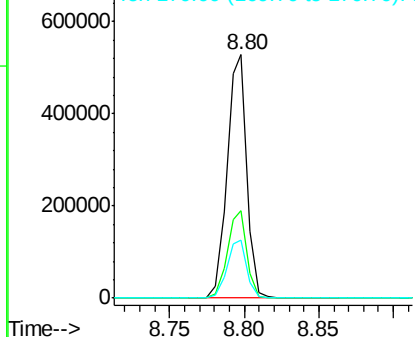


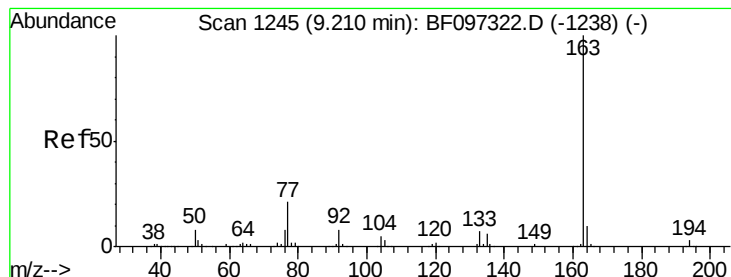
#44
 2-Fluorobiphenyl
 Concen: 28.49 ng
 RT: 8.80 min Scan# 1192
 Delta R.T. -0.07 min
 Lab File: BF097384.D
 Acq: 5 Aug 2017 5:01

Tgt Ion:172 Resp: 494812
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 24.1 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





#49

Dimethylphthalate

Concen: 13.37 ng

RT: 9.20 min Scan# 1260

Delta R.T. -0.08 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

Instrument :

BNA_F

ClientSampled :

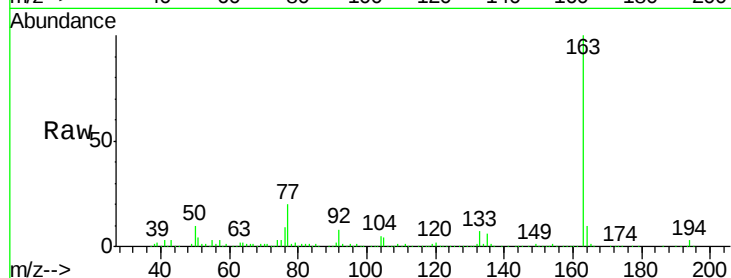
Tot Ion:163 Resp: 299347

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

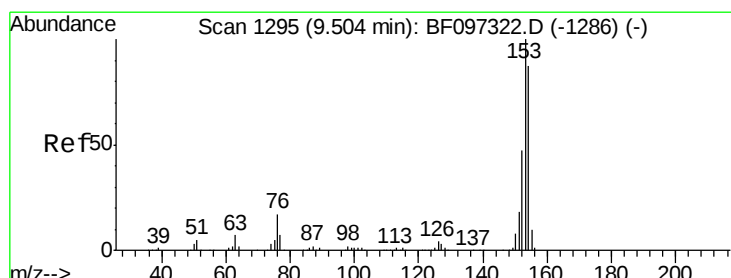
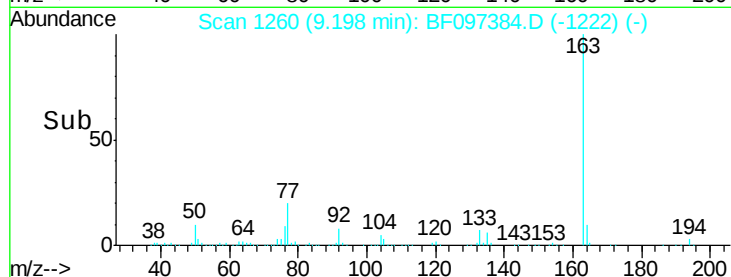
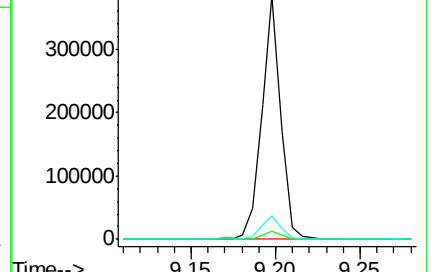
164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

Acenaphthene

Concen: 2.44 ng

RT: 9.49 min Scan# 1310

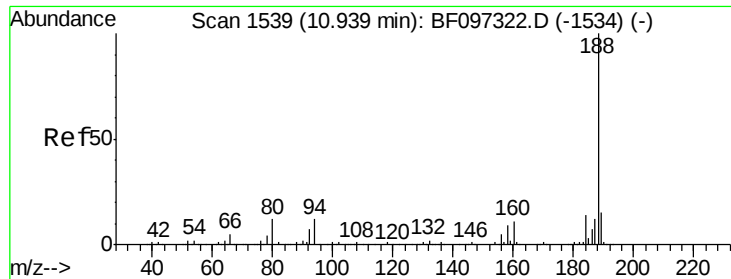
Delta R.T. -0.08 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

Tgt Ion:154 Resp: 40889

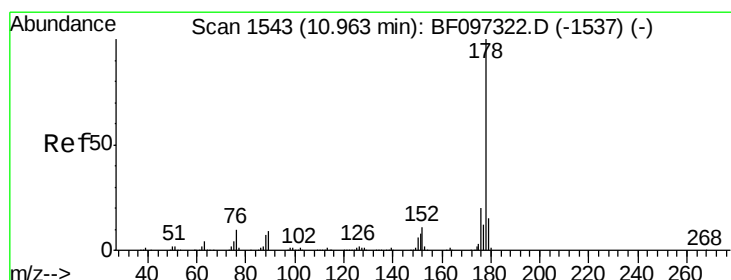
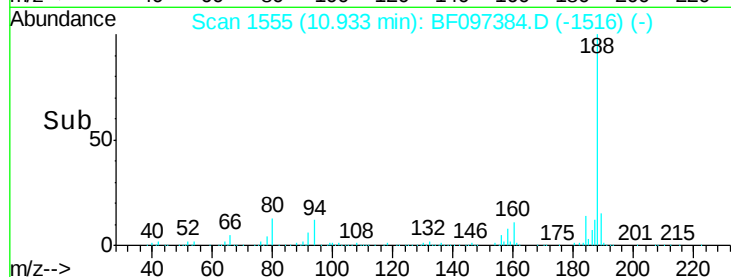
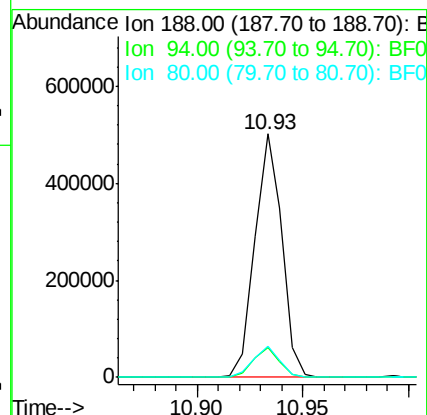
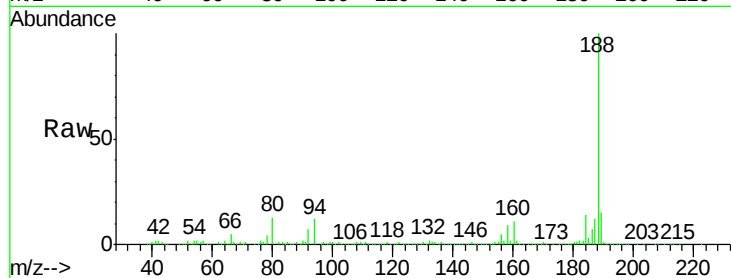
Ion Ratio Lower Upper



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097384.D
Acq: 5 Aug 2017 5:01

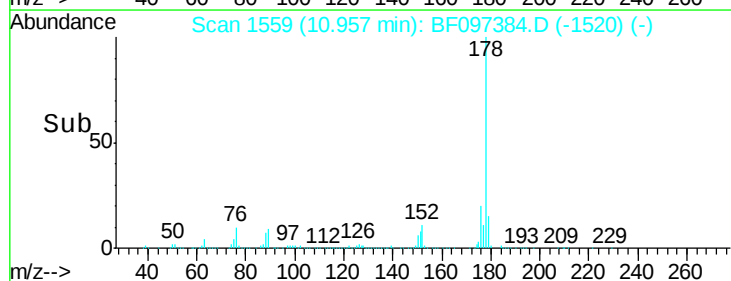
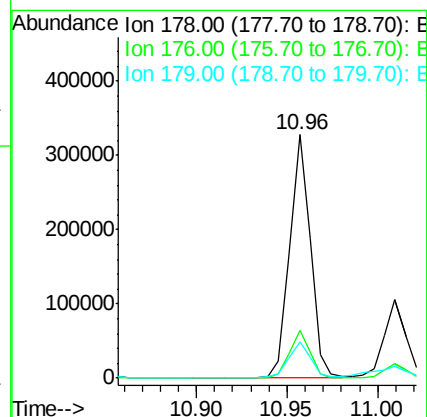
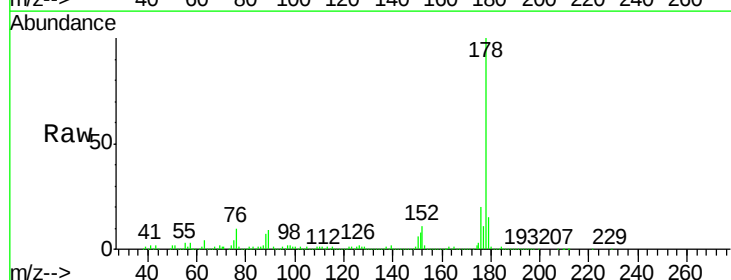
Instrument :
BNA_F
ClientSampleId :

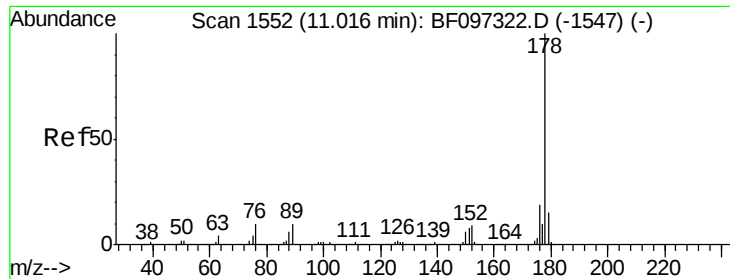
Tot Ion:188 Resp: 446456
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.6 10.2 15.2



#70
Phenanthrene
Concen: 10.93 ng
RT: 10.96 min Scan# 1559
Delta R.T. -0.07 min
Lab File: BF097384.D
Acq: 5 Aug 2017 5:01

Tgt Ion:178 Resp: 261405
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.0 12.6 19.0

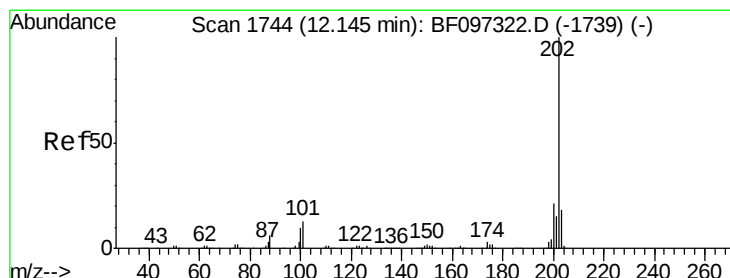
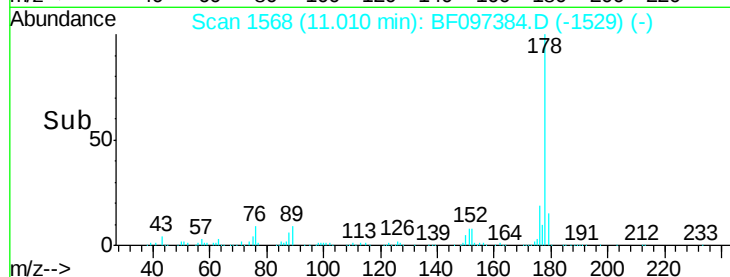
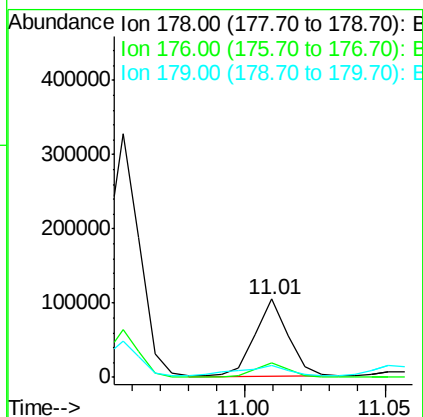
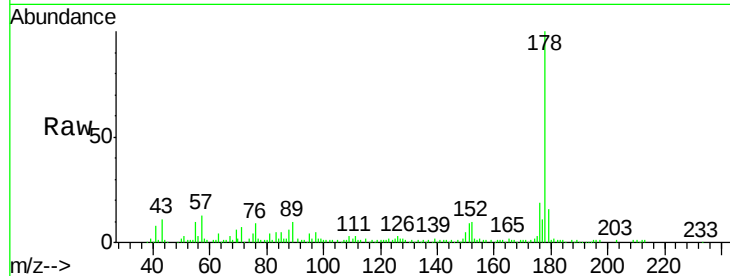




#71
 Anthracene
 Concen: 3.49 ng
 RT: 11.01 min Scan# 1568
 Delta R.T. -0.07 min
 Lab File: BF097384.D
 Acq: 5 Aug 2017 5:01

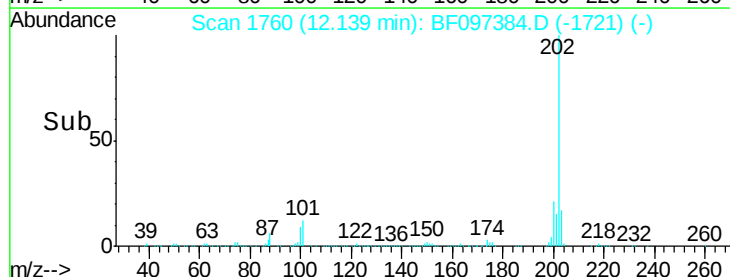
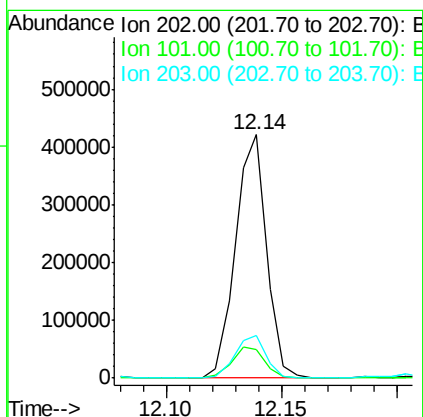
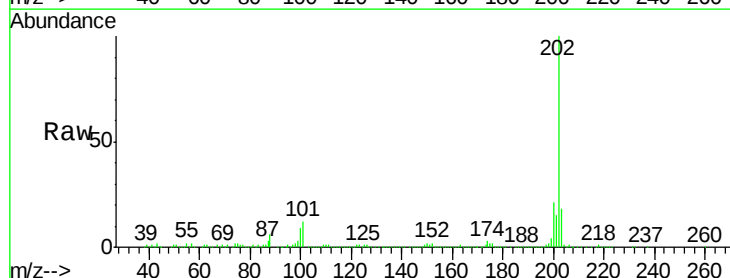
Instrument :
 BNA_F
 ClientSampleId :

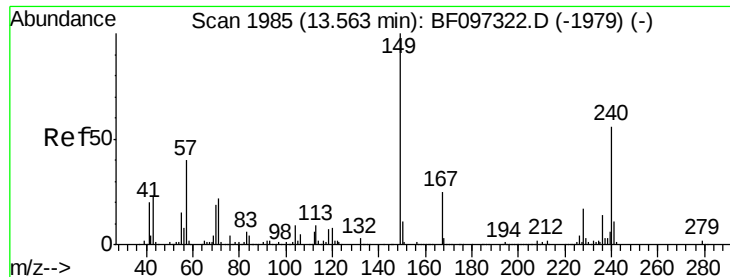
Tot Ion:178 Resp: 85466
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.8 12.7 19.1



#74
 Fluoranthene
 Concen: 16.74 ng
 RT: 12.14 min Scan# 1760
 Delta R.T. -0.07 min
 Lab File: BF097384.D
 Acq: 5 Aug 2017 5:01

Tgt Ion:202 Resp: 392372
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 33.2
 203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.07 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

Instrument :

BNA_F

ClientSampleId :

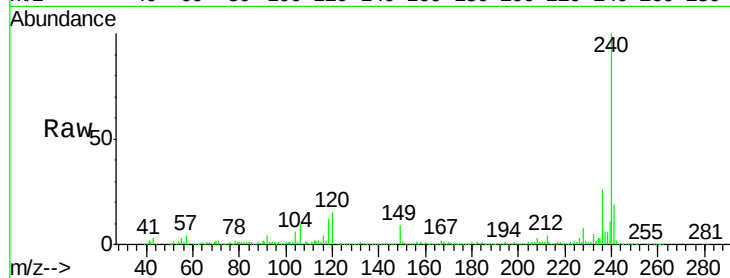
Tot Ion:240 Resp: 359633

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

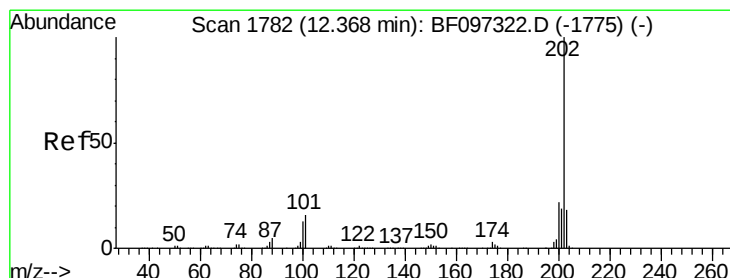
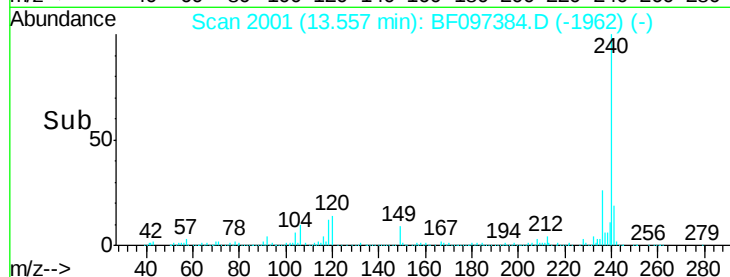
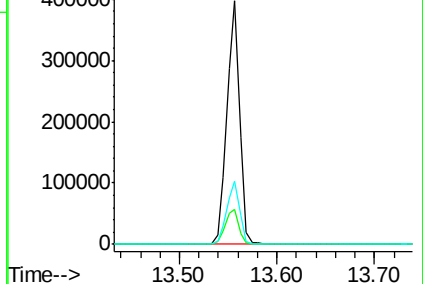
236 26.0 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 13.30 ng

RT: 12.36 min Scan# 1798

Delta R.T. -0.07 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

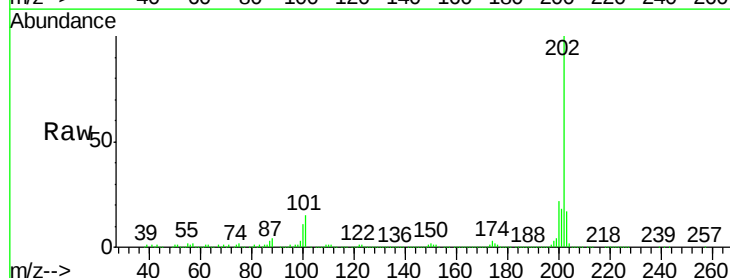
Tgt Ion:202 Resp: 391632

Ion Ratio Lower Upper

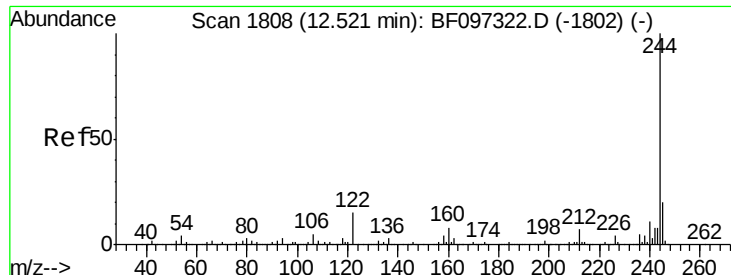
202 100

200 22.2 17.6 26.4

203 17.5 14.4 21.6



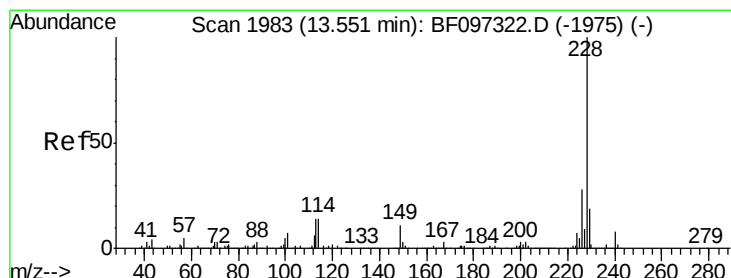
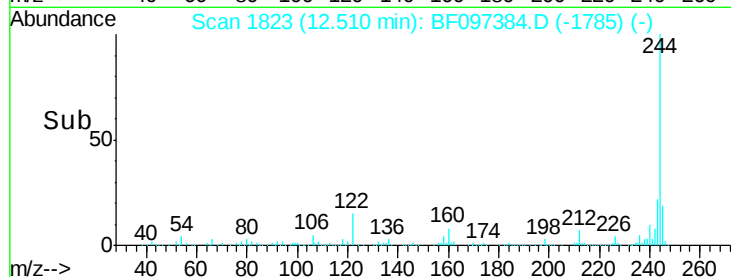
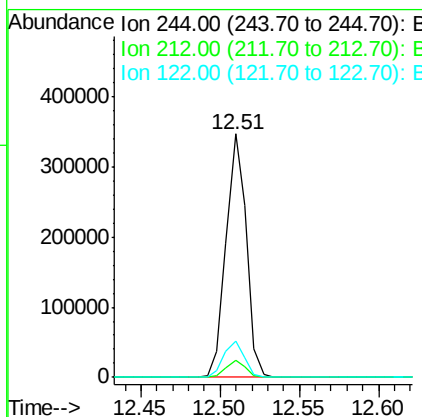
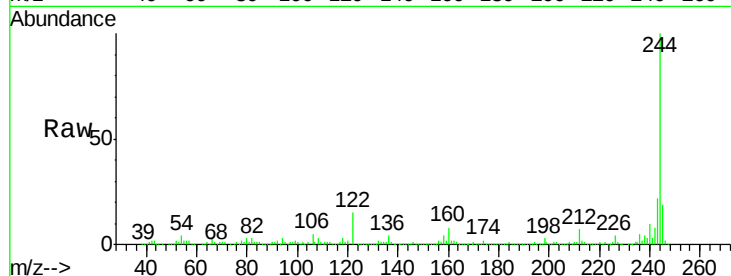
Abundance Ion 202.00 (201.70 to 202.70): E



#78
 Terphenyl-d14
 Concen: 17.42 ng
 RT: 12.51 min Scan# 1823
 Delta R.T. -0.08 min
 Lab File: BF097384.D
 Acq: 5 Aug 2017 5:01

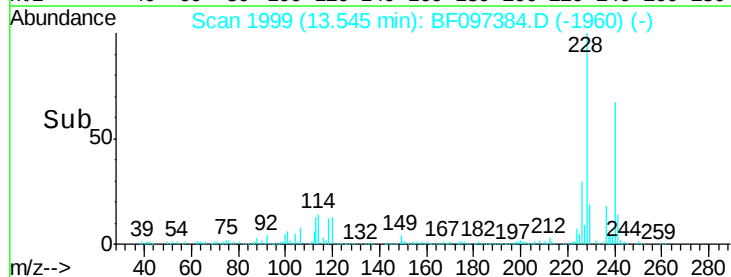
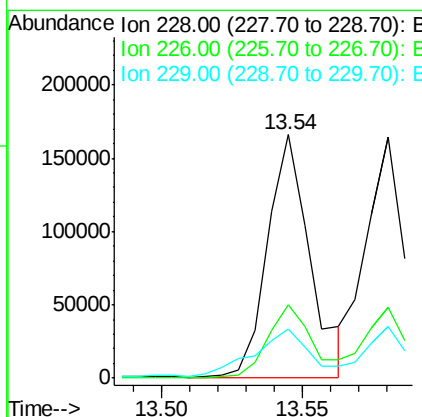
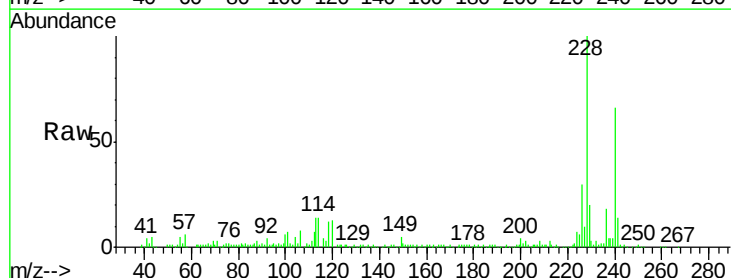
Instrument :
 BNA_F
 ClientSampleId :

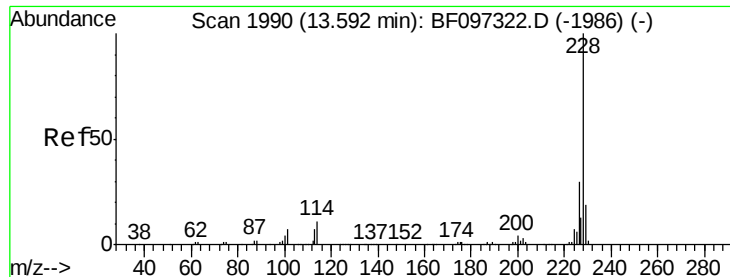
Tot Ion:244 Resp: 307244
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 15.1 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 7.40 ng
 RT: 13.54 min Scan# 1999
 Delta R.T. -0.07 min
 Lab File: BF097384.D
 Acq: 5 Aug 2017 5:01

Tgt Ion:228 Resp: 172107
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.6 33.8
 229 20.1 16.3 24.5





#82

Chrysene

Concen: 6.63 ng

RT: 13.58 min Scan# 2005

Delta R.T. -0.08 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

Instrument :

BNA_F

ClientSampled :

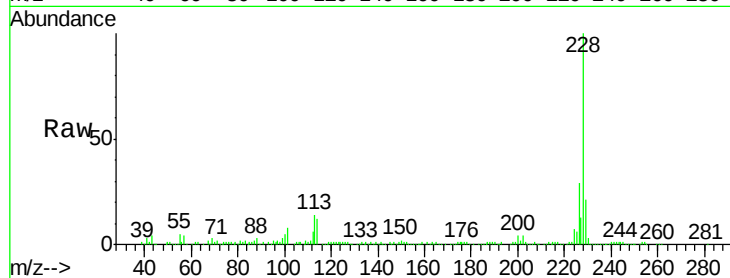
Tot Ion:228 Resp: 150704

Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

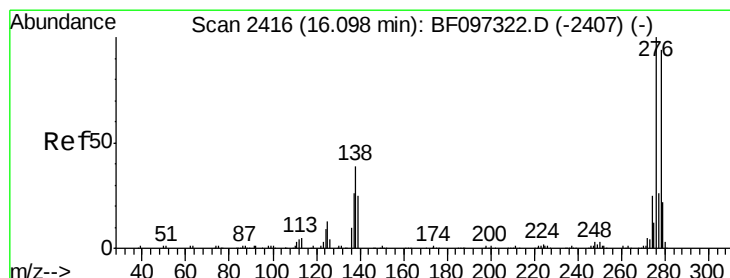
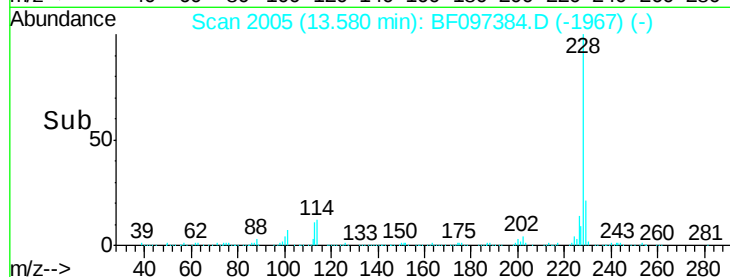
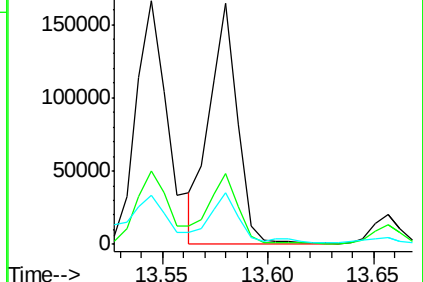
229 21.2 15.8 23.6



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: 3.01 ng

RT: 16.09 min Scan# 2432

Delta R.T. -0.11 min

Lab File: BF097384.D

Acq: 5 Aug 2017 5:01

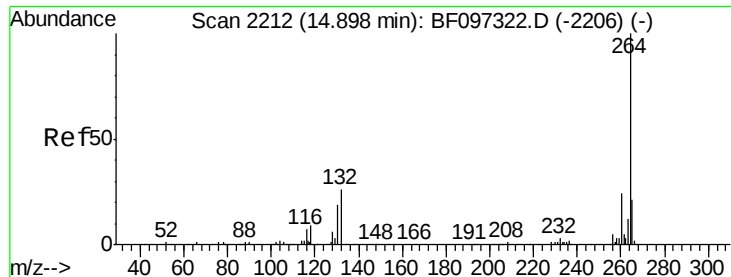
Tgt Ion:276 Resp: 58647

Ion Ratio Lower Upper

276 100

138 31.9 27.8 41.6

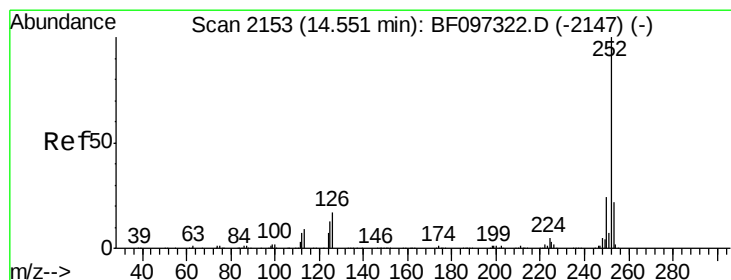
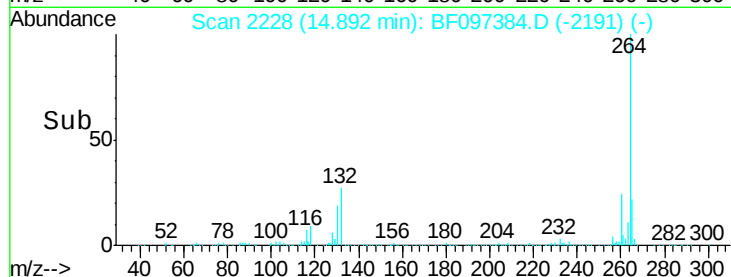
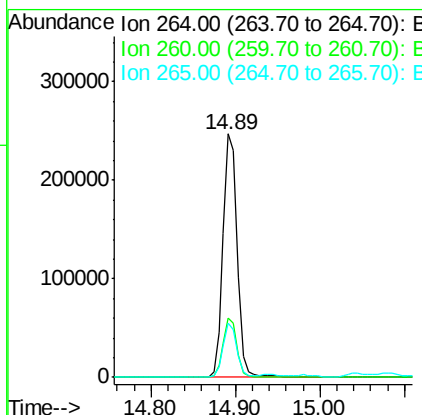
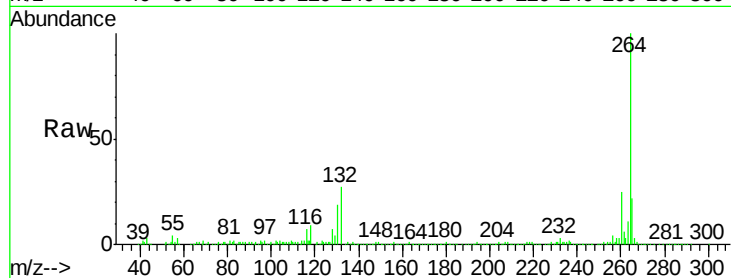
277 23.0 20.2 30.4



#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097384.D
Acq: 5 Aug 2017 5:01

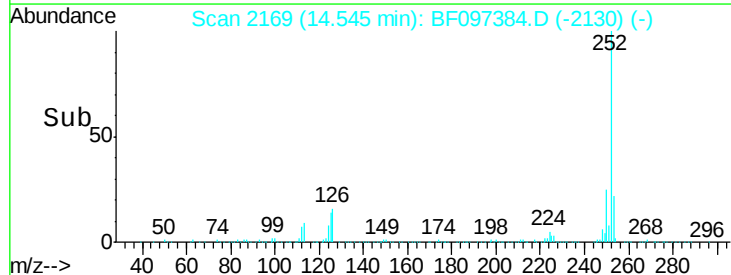
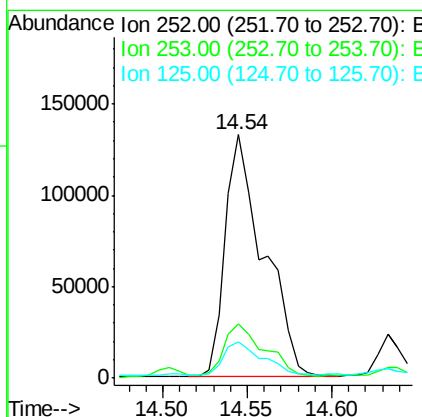
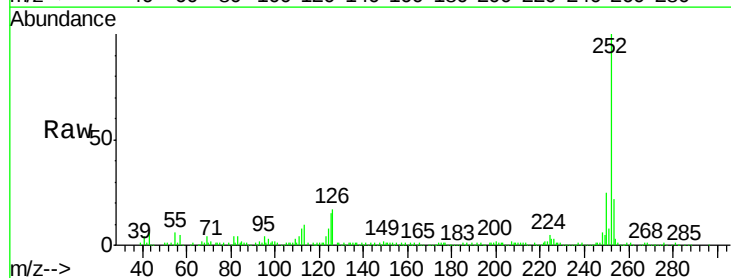
Instrument :
BNA_F
ClientSampleId :

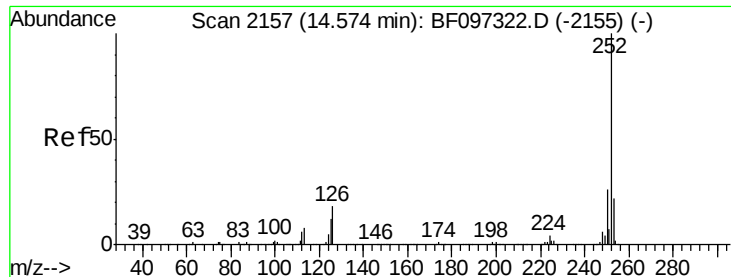
Tot Ion:264 Resp: 291416
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 12.01 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097384.D
Acq: 5 Aug 2017 5:01

Tgt Ion:252 Resp: 210304
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 14.9 9.8 14.8#

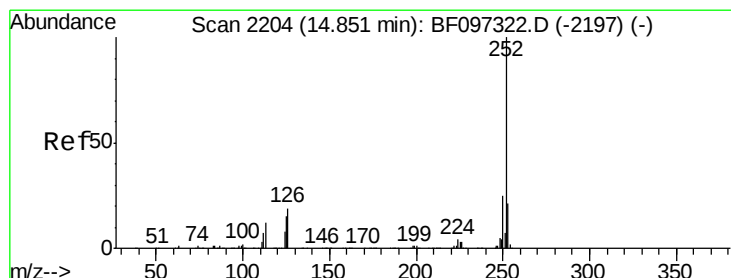
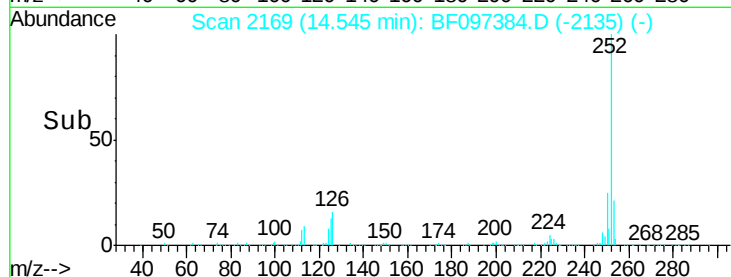
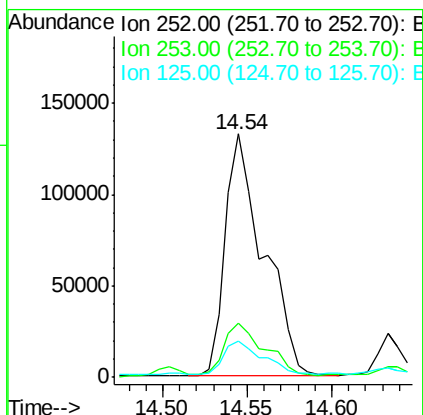
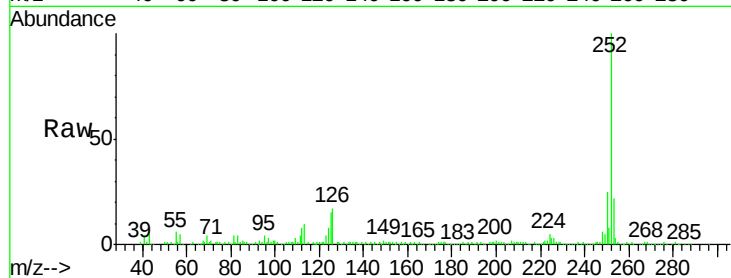




#88
Benzo(k)fluoranthene
Concen: 12.60 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.10 min
Lab File: BF097384.D
Acq: 5 Aug 2017 5:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	14.9	13.1	19.7



#89
Benzo(a)pyrene
Concen: 6.71 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097384.D
Acq: 5 Aug 2017 5:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	14.6	11.0	16.4

