

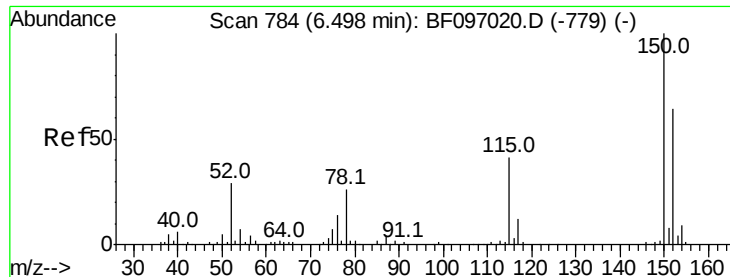
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097329.D
 Acq On : 3 Aug 2017 21:03
 Operator : SJ/JU
 Sample : I4559-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-008-B

Quant Time: Aug 04 01:08:06 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	95521	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	411319	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	181398	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	283708	20.00	ng	-0.07
75) Chrysene-d12	13.56	240	195737	20.00	ng	-0.07
86) Perylene-d12	14.90	264	169800	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	671204	105.93	ng	-0.06
7) Phenol-d6	6.12	99	776276	107.31	ng	-0.05
23) Nitrobenzene-d5	7.02	82	473177	67.49	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	143610	100.20	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	777936	72.78	ng	-0.07
78) Terphenyl-d14	12.52	244	505170	52.62	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.02	70	63874	13.415	ng	# 87
25) Isophorone	7.02	82	460810	33.560	ng	# 67
49) Dimethylphthalate	9.20	163	129799	9.423	ng	# 99
56) 2,4-Dinitrotoluene	9.46	165	22918	6.824	ng	# 33
66) 4-Bromophenyl-phenylether	10.25	248	9421	3.327	ng	# 1
87) Benzo(b)fluoranthene	14.55	252	23317	2.284	ng	# 93
88) Benzo(k)fluoranthene	14.55	252	23317	2.397	ng	# 96

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

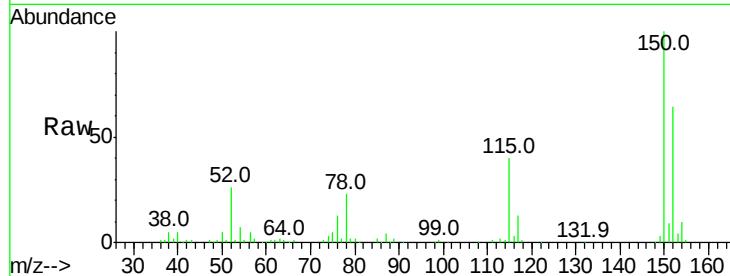


#1

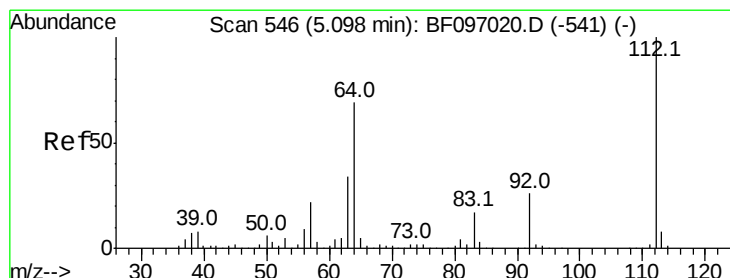
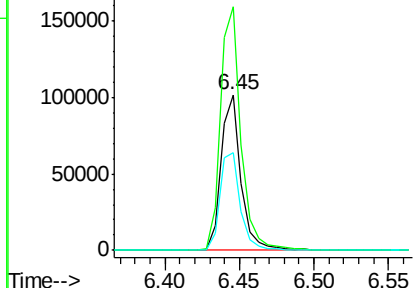
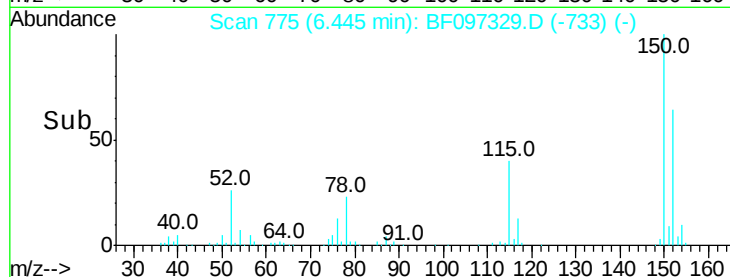
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097329.D
Acq: 3 Aug 2017 21:03

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-008-B

Tot Ion:152 Resp: 95521
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 63.0 52.2 78.2



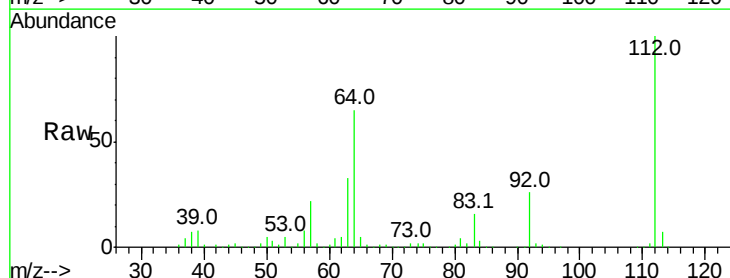
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



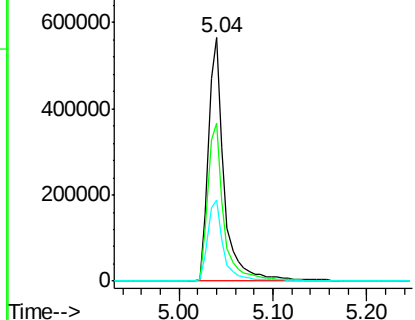
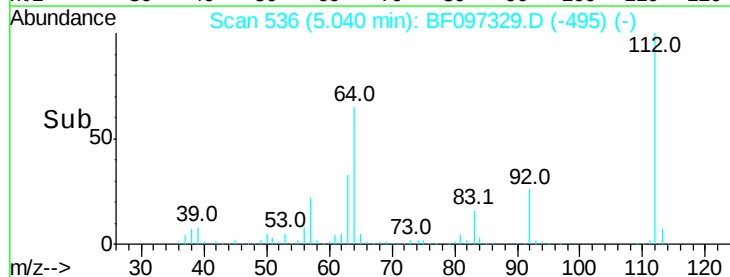
#5

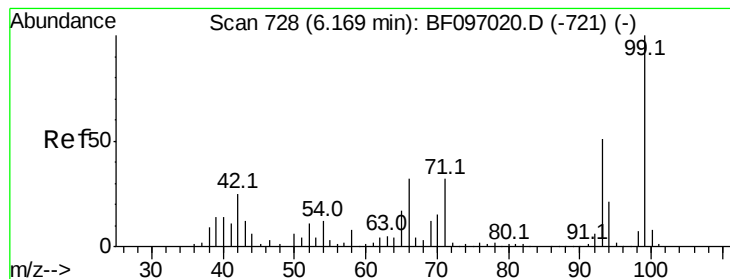
2-Fluorophenol
Concen: 105.928 ng
RT: 5.04 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF097329.D
Acq: 3 Aug 2017 21:03

Tgt Ion:112 Resp: 671204
Ion Ratio Lower Upper
112 100
64 64.8 46.0 69.0
63 33.4 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: 107.312 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-008-B

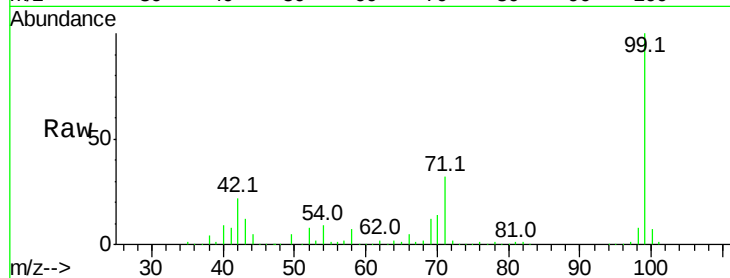
Tot Ion: 99 Resp: 776276

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

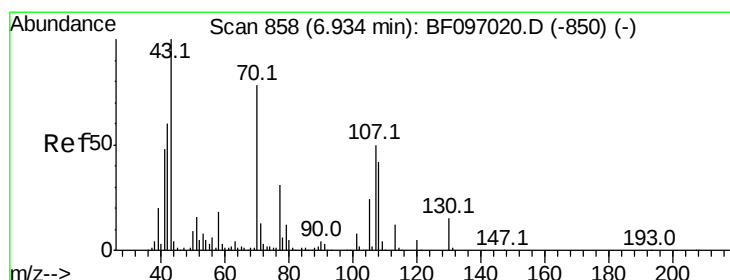
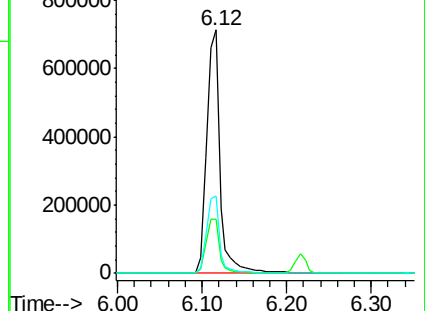
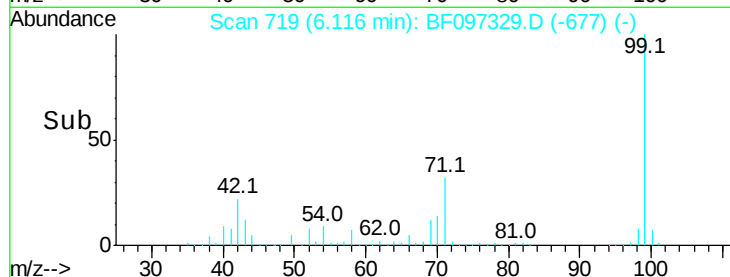
71 31.5 24.5 36.7



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: 13.415 ng

RT: 7.02 min Scan# 872

Delta R.T. 0.08 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

Tgt Ion: 70 Resp: 63874

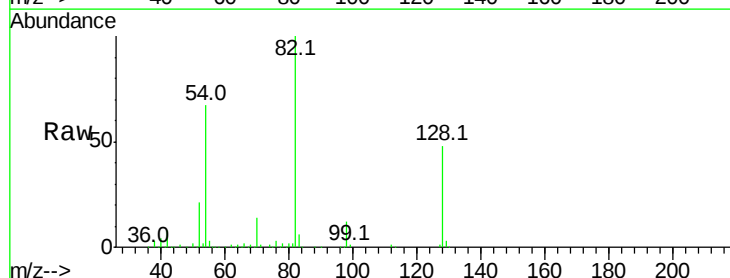
Ion Ratio Lower Upper

70 100

42 60.3 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

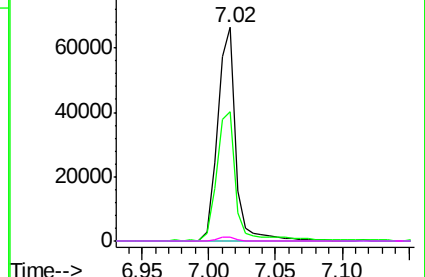
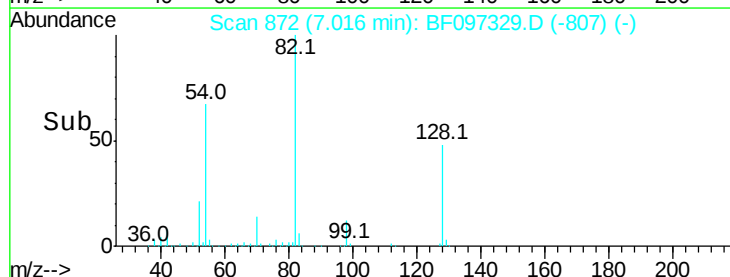


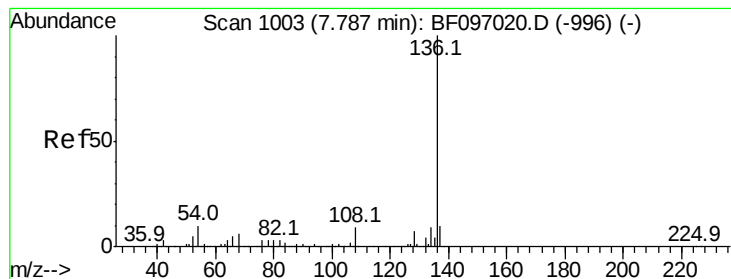
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.000 ng

RT: 7.73 min Scan# 993

Delta R.T. -0.06 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-008-B

Tot Ion:136 Resp: 411319

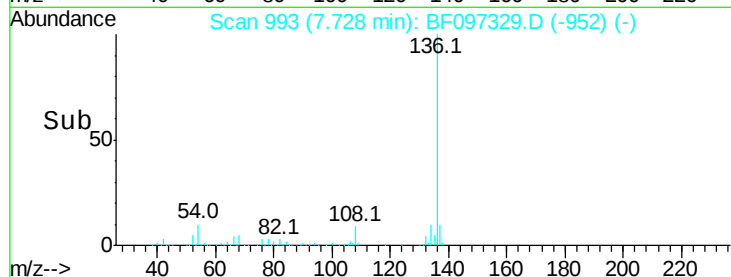
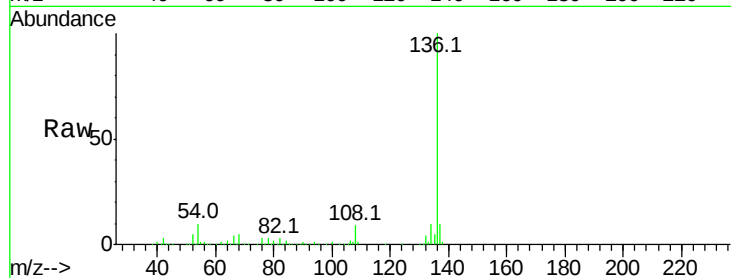
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 10.4 4.9 7.3#

68 5.4 4.1 6.1

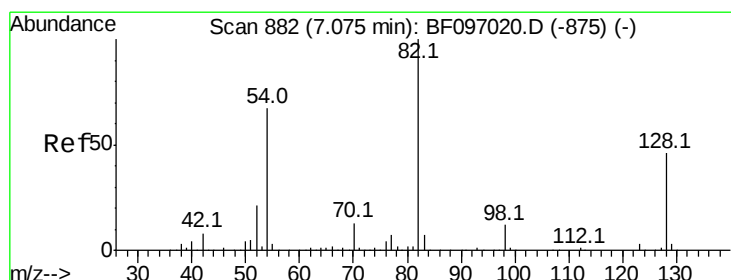
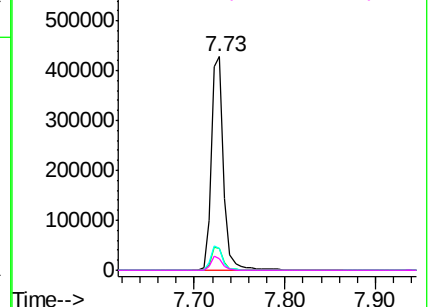


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 67.486 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.06 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

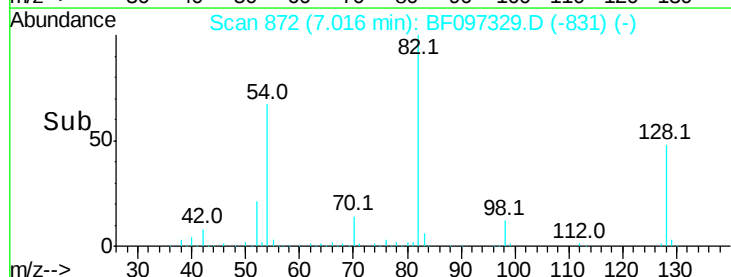
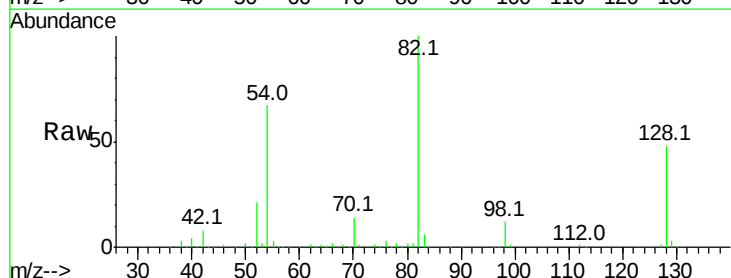
Tgt Ion: 82 Resp: 473177

Ion Ratio Lower Upper

82 100

128 48.3 34.0 51.0

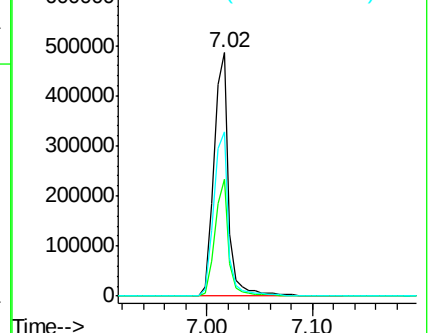
54 67.3 42.2 63.2#

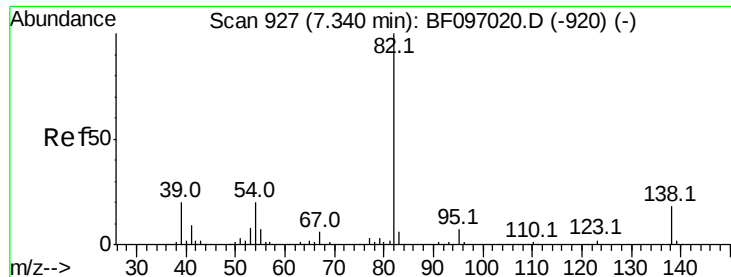


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.560 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-008-B

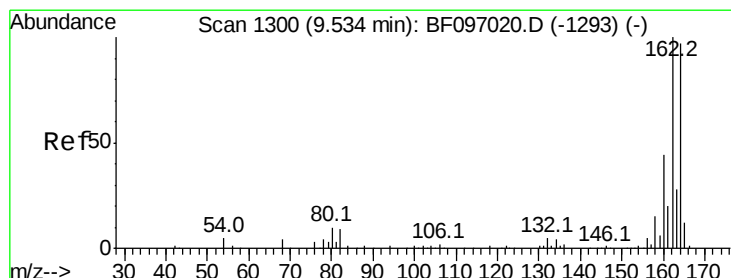
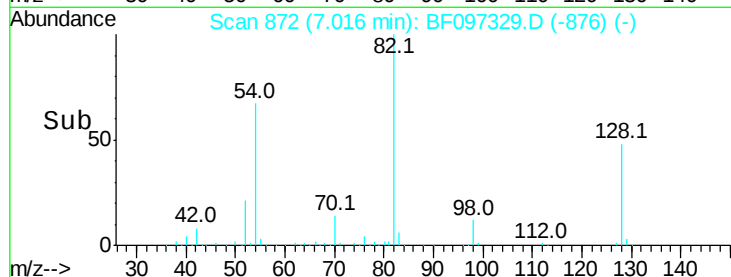
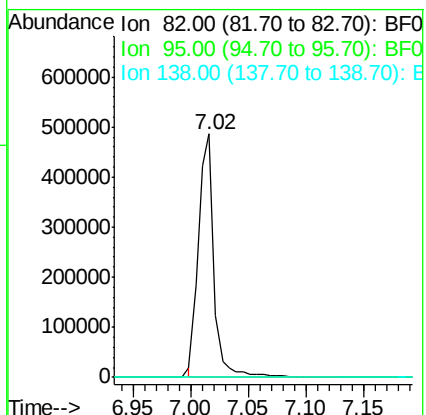
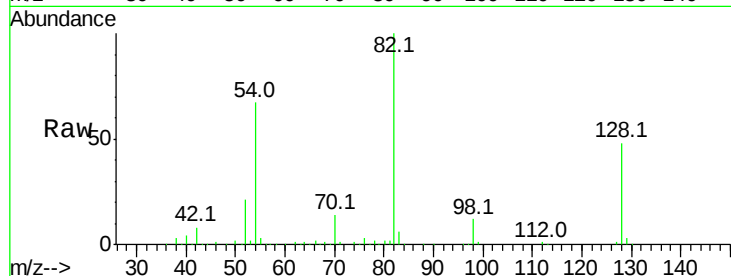
Tot Ion: 82 Resp: 460810

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.07 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

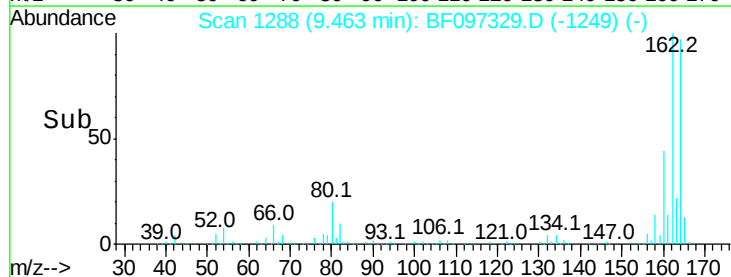
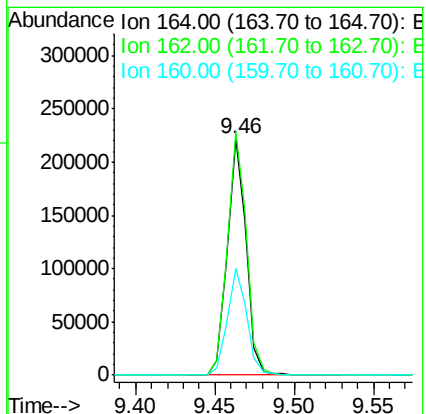
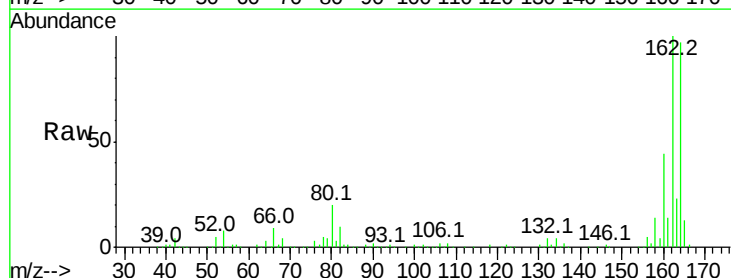
Tgt Ion:164 Resp: 181398

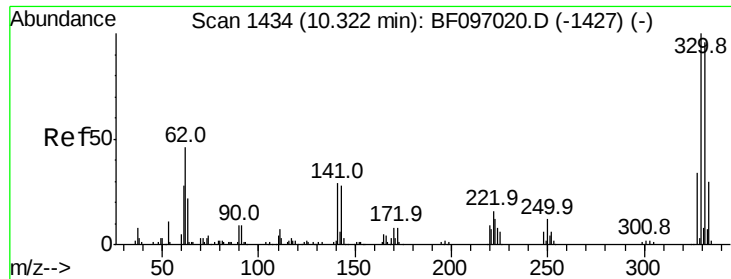
Ion Ratio Lower Upper

164 100

162 103.1 82.6 123.8

160 45.3 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 100.201 ng

RT: 10.25 min Scan# 1422

Delta R.T. -0.07 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-008-B

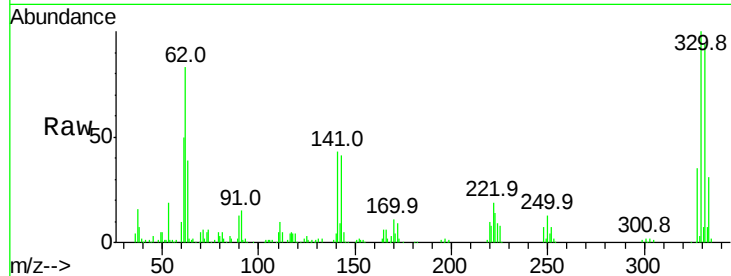
Tot Ion:330 Resp: 143610

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

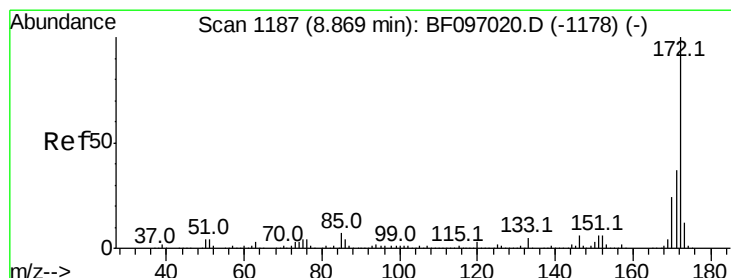
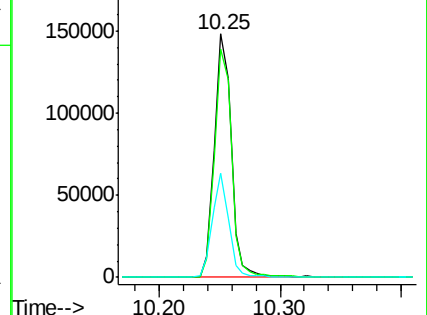
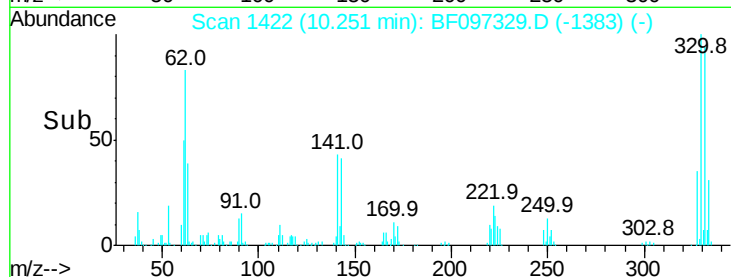
141 41.4 31.4 47.2



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: 72.781 ng

RT: 8.80 min Scan# 1175

Delta R.T. -0.07 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

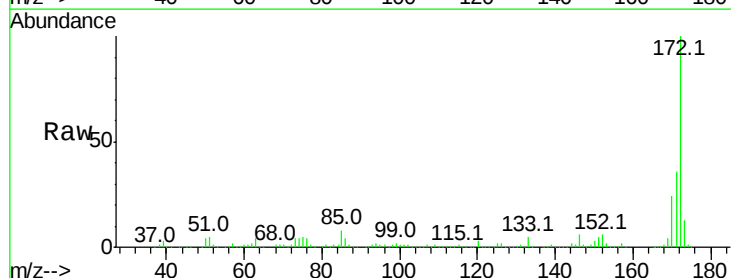
Tgt Ion:172 Resp: 777936

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

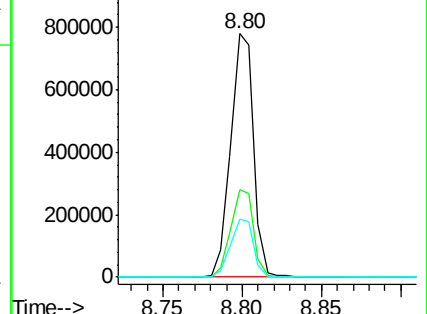
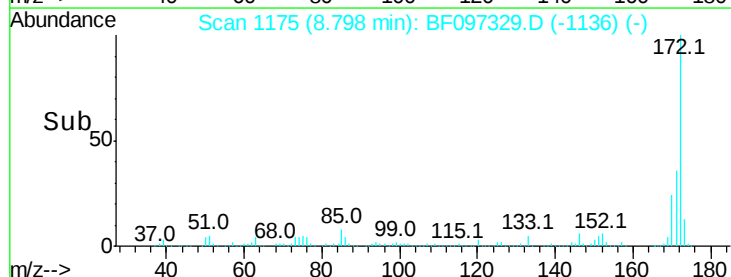
170 24.0 19.8 29.8

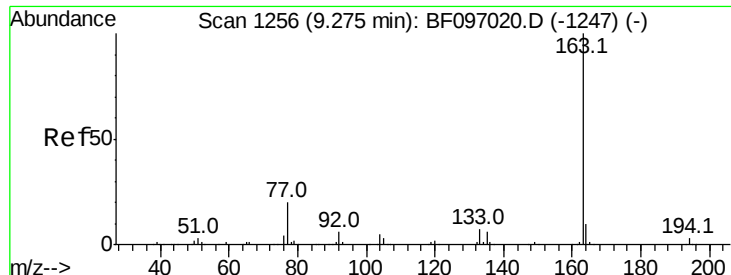


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

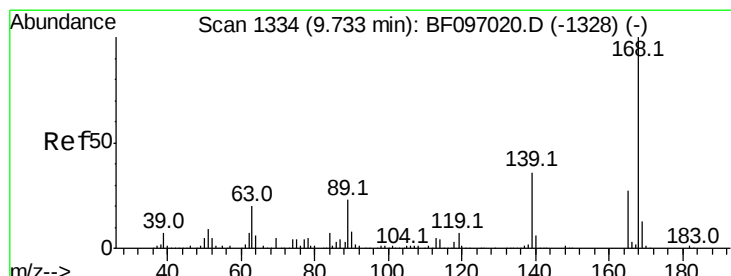
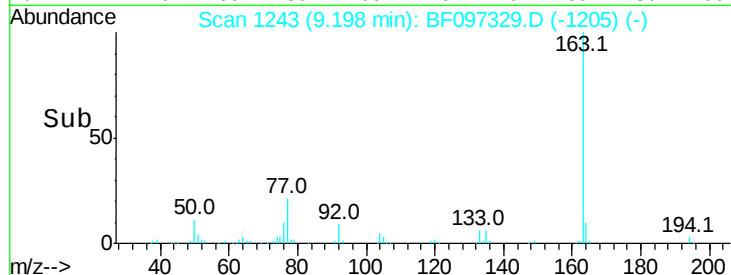
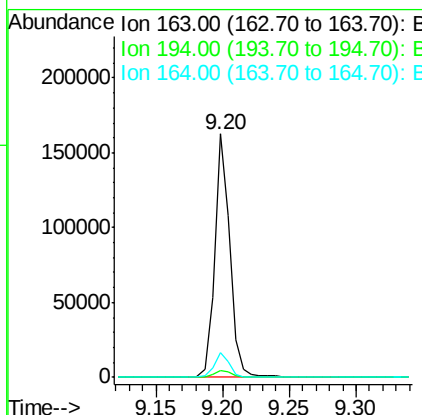
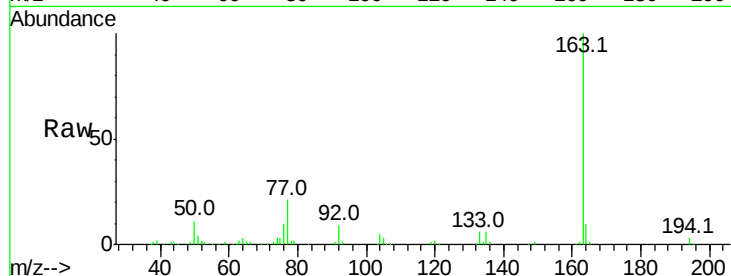




#49
Dimethylphthalate
Concen: 9.423 ng
RT: 9.20 min Scan# 1243
Delta R.T. -0.08 min
Lab File: BF097329.D
Acq: 3 Aug 2017 21:03

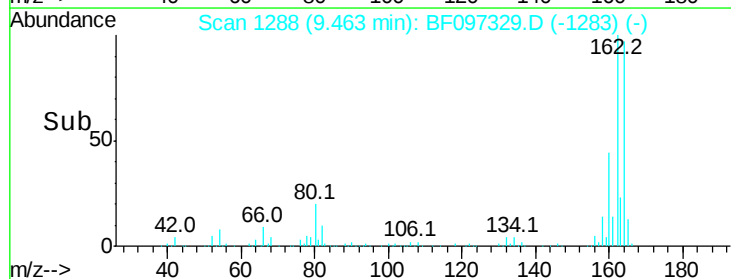
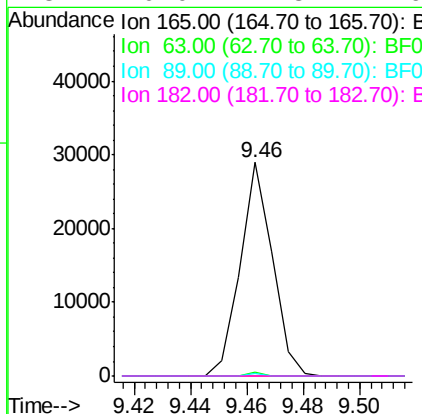
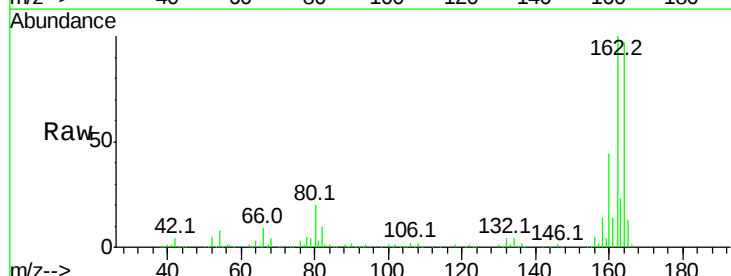
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-008-B

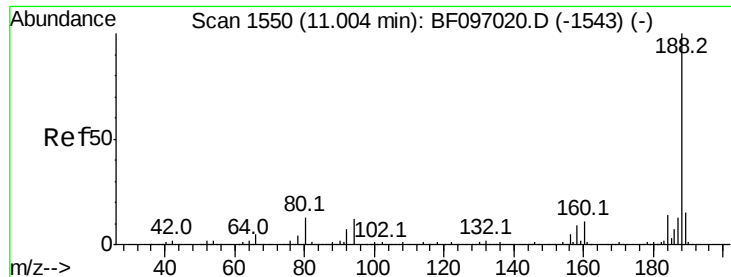
Tot Ion:163 Resp: 129799
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.3 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.824 ng
RT: 9.46 min Scan# 1288
Delta R.T. -0.27 min
Lab File: BF097329.D
Acq: 3 Aug 2017 21:03

Tgt Ion:165 Resp: 22918
Ion Ratio Lower Upper
165 100
63 1.9 25.4 38.0#
89 1.4 46.4 69.6#
182 0.0 1.8 2.6#

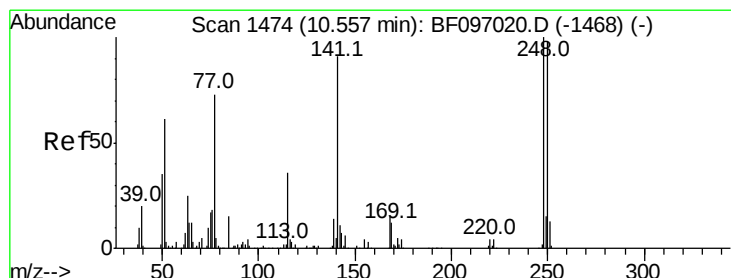
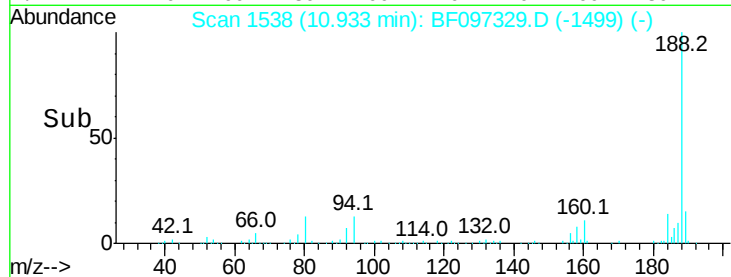
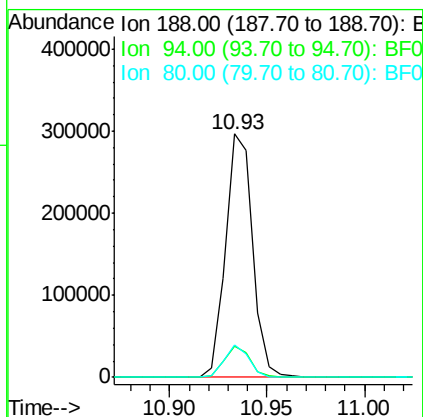
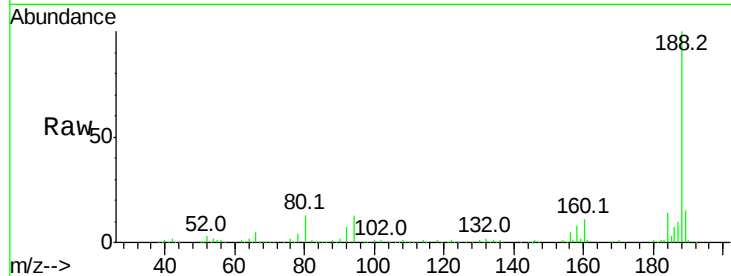




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.93 min Scan# 1538
 Delta R.T. -0.07 min
 Lab File: BF097329.D
 Acq: 3 Aug 2017 21:03

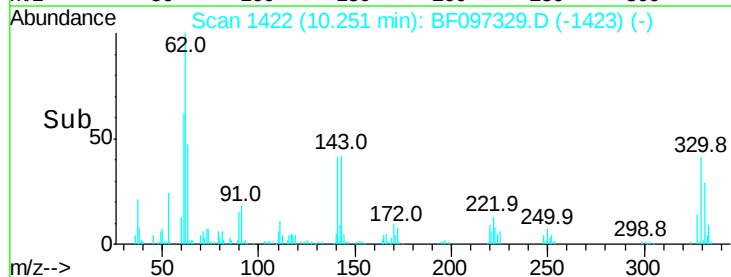
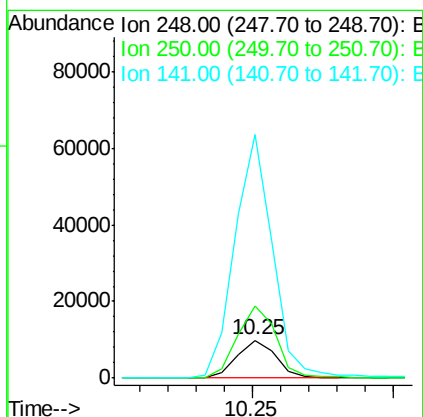
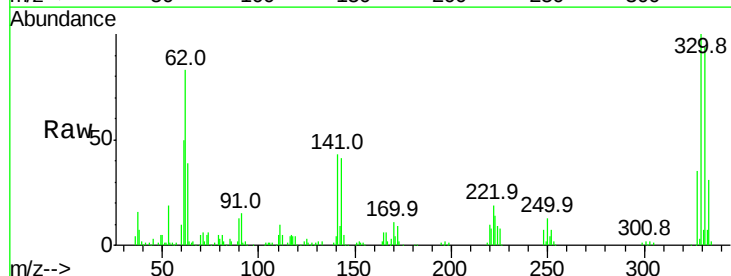
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-008-B

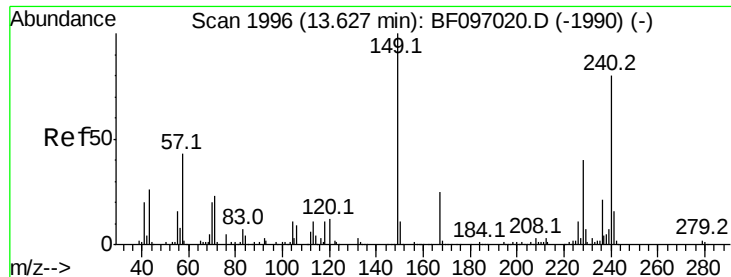
Tot Ion	Ratio	Lower	Upper
188	100		
94	12.9	9.4	14.2
80	13.3	10.2	15.2



#66
 4-Bromophenyl-phenylether
 Concen: 3.327 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.31 min
 Lab File: BF097329.D
 Acq: 3 Aug 2017 21:03

Tgt Ion	Ratio	Lower	Upper
248	100		
250	190.0	76.8	115.2#
141	641.1	68.6	103.0#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 1984

Delta R.T. -0.07 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-008-B

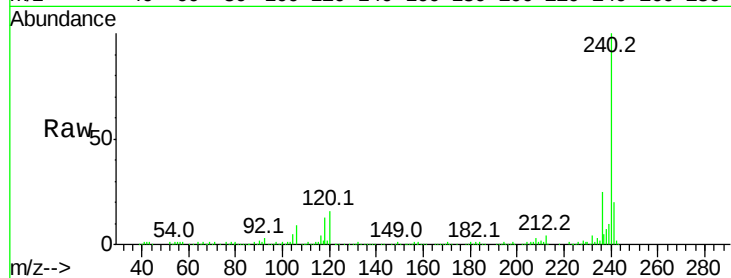
Tot Ion:240 Resp: 195737

Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

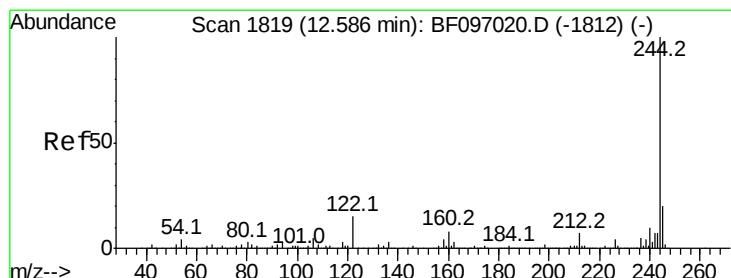
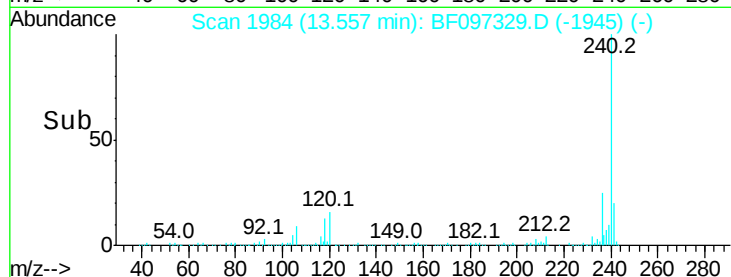
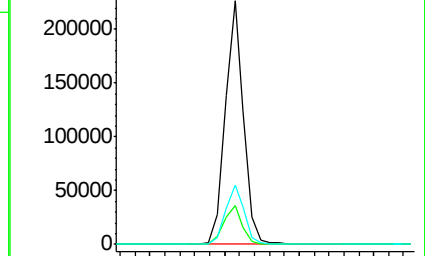
236 24.6 20.5 30.7



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



#78

Terphenyl-d14

Concen: 52.620 ng

RT: 12.52 min Scan# 1807

Delta R.T. -0.07 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

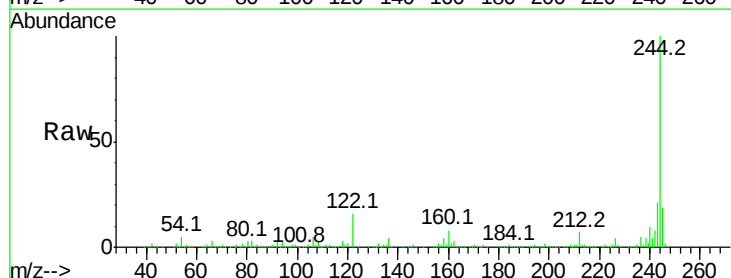
Tgt Ion:244 Resp: 505170

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

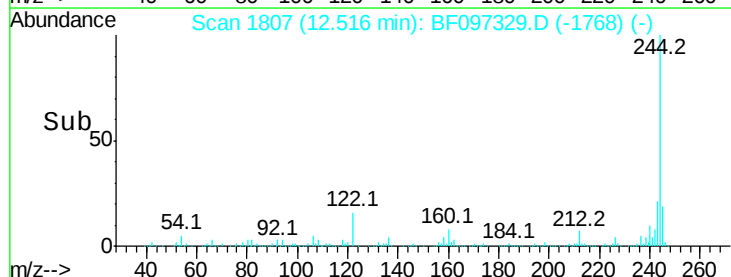
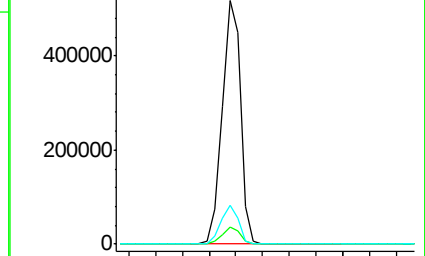
122 15.8 10.3 15.5#

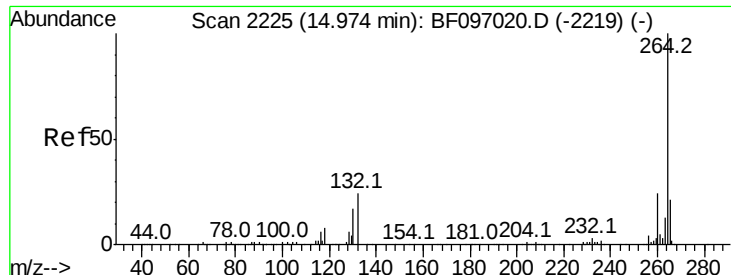


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

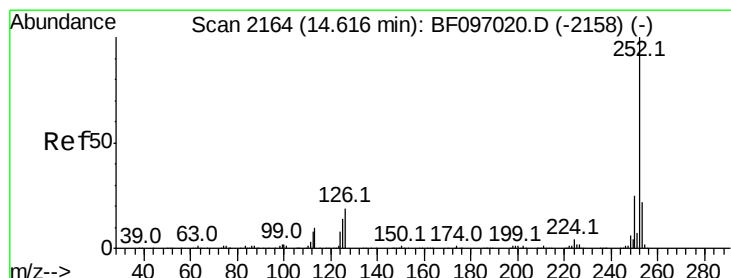
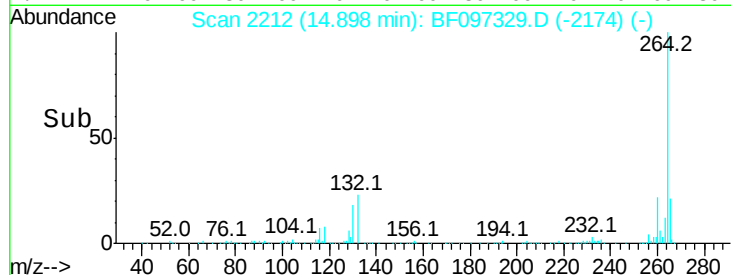
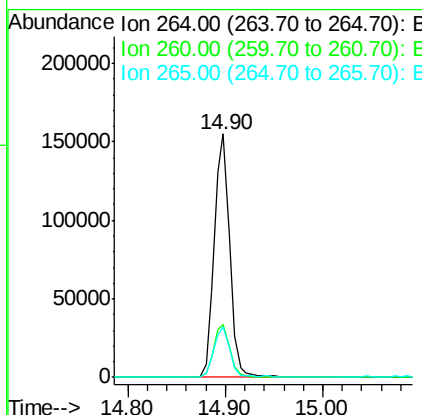
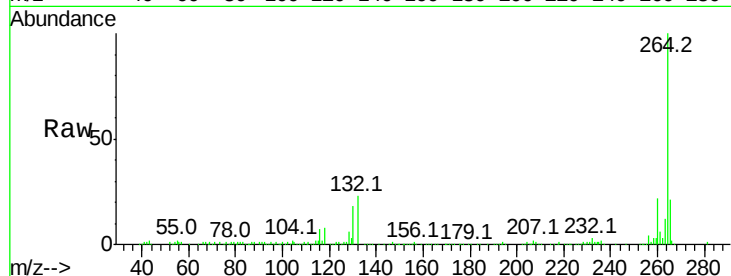




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.90 min Scan# 2212
Delta R.T. -0.08 min
Lab File: BF097329.D
Acq: 3 Aug 2017 21:03

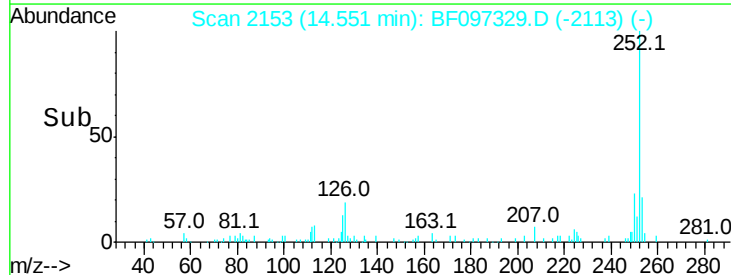
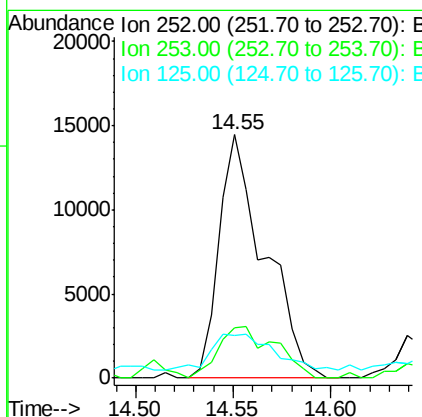
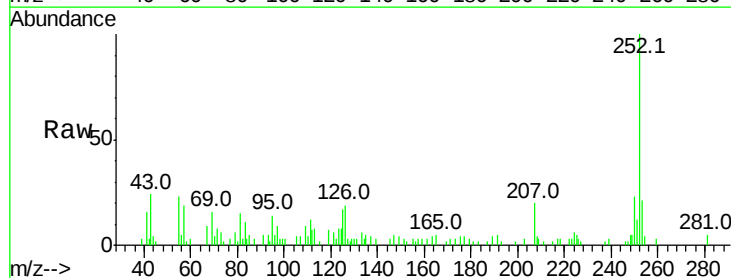
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-008-B

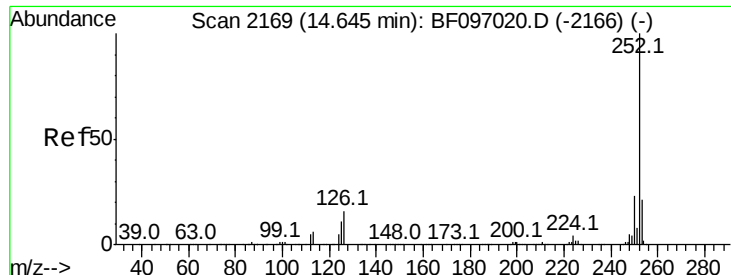
Tot Ion:264 Resp: 169800
Ion Ratio Lower Upper
264 100
260 21.8 19.5 29.3
265 20.6 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.284 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.06 min
Lab File: BF097329.D
Acq: 3 Aug 2017 21:03

Tgt Ion:252 Resp: 23317
Ion Ratio Lower Upper
252 100
253 20.6 18.1 27.1
125 17.5 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 2.397 ng

RT: 14.55 min Scan# 2153

Delta R.T. -0.09 min

Lab File: BF097329.D

Acq: 3 Aug 2017 21:03

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-008-B

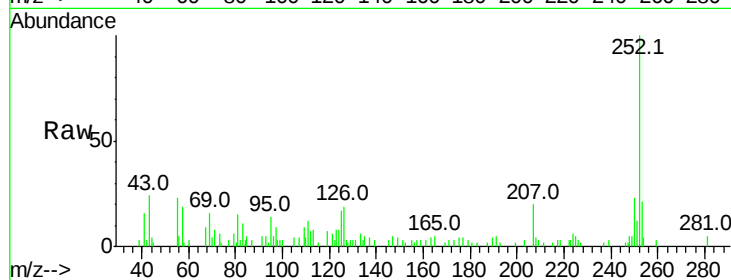
Tot Ion:252 Resp: 23317

Ion Ratio Lower Upper

252 100

253 20.6 18.4 27.6

125 17.5 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

