

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097880.D
 Acq On : 19 Aug 2017 15:52
 Operator : SJ/JU
 Sample : I4846-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)

Quant Time: Aug 21 02:39:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

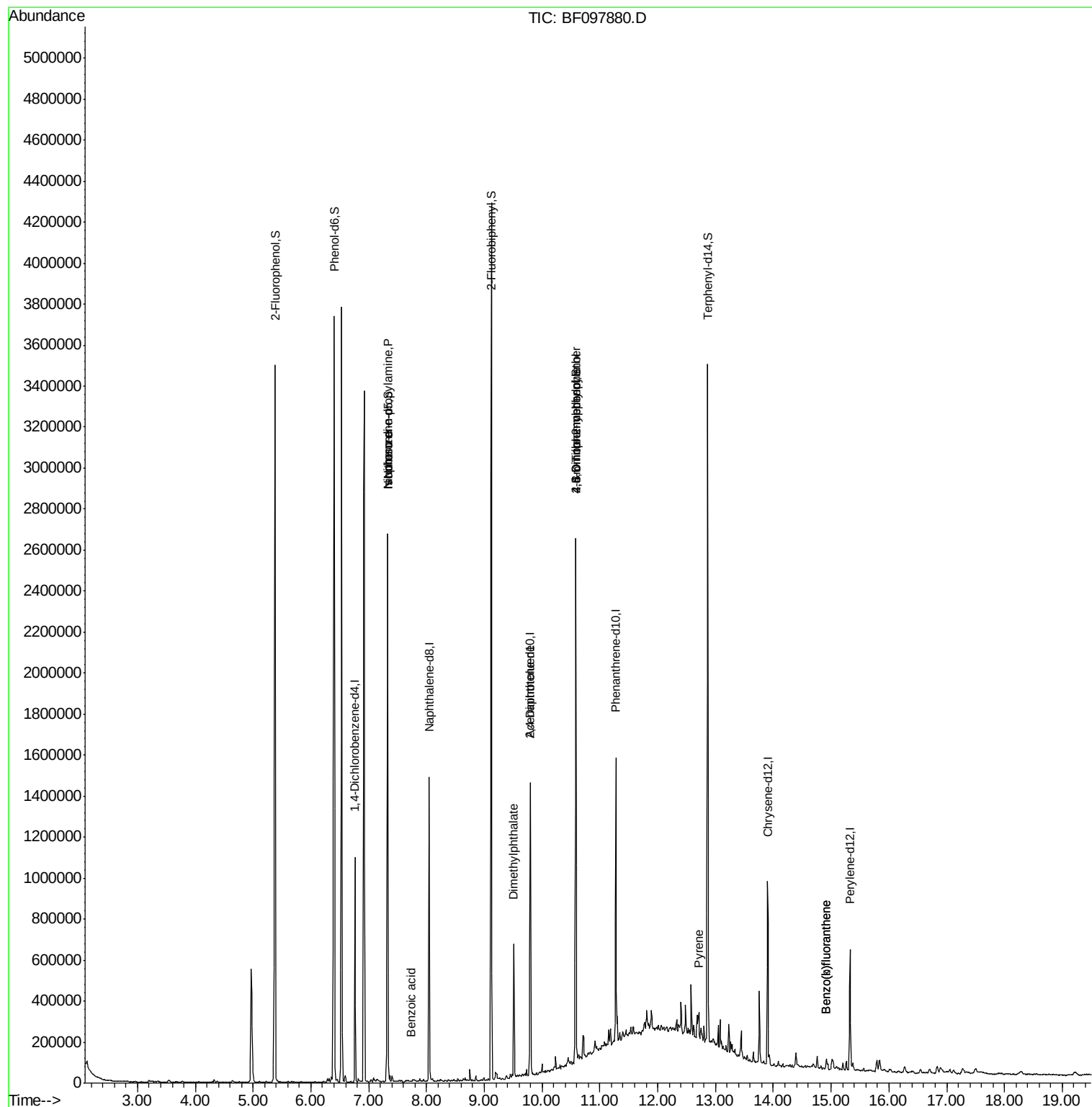
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	144305	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	601749	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	280145	20.00	ng	-0.03
63) Phenanthrene-d10	11.27	188	490793	20.00	ng	-0.03
75) Chrysene-d12	13.90	240	275184	20.00	ng	-0.04
86) Perylene-d12	15.33	264	260404	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1228225	129.46	ng	0.00
7) Phenol-d6	6.40	99	1698266	131.75	ng	0.00
23) Nitrobenzene-d5	7.33	82	1126514	101.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.59	330	332783	136.91	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	1604994	84.17	ng	-0.02
78) Terphenyl-d14	12.87	244	1119353	84.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	153738	17.42	ng	# 73
25) Isophorone	7.33	82	1121625	48.70	ng	# 67
32) Benzoic acid	7.73	122	350	6.45	ng	# 74
49) Dimethylphthalate	9.52	163	233631	11.41	ng	99
56) 2,4-Dinitrotoluene	9.79	165	36631	7.14	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.59	198	995	8.68	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	21362	4.19	ng	# 1
77) Pyrene	12.71	202	45537	2.02	ng	99
87) Benzo(b)fluoranthene	14.92	252	32886	2.00	ng	95
88) Benzo(k)fluoranthene	14.92	252	32886	2.13	ng	93

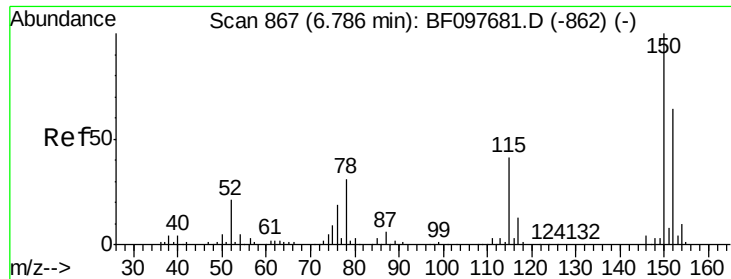
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097880.D
Acq On : 19 Aug 2017 15:52
Operator : SJ/JU
Sample : I4846-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PI-1(3)

Quant Time: Aug 21 02:39:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration



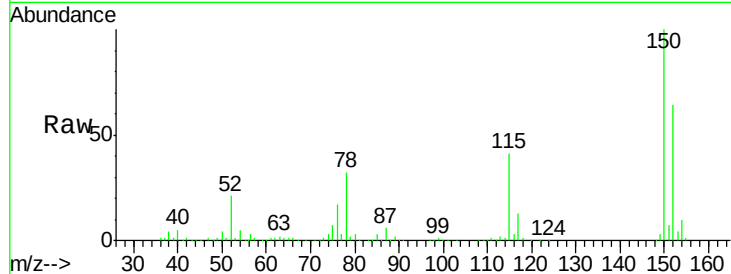


#1

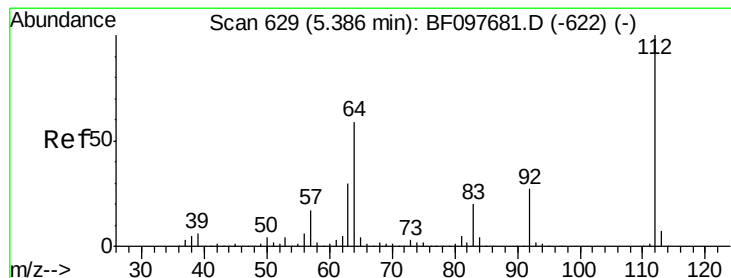
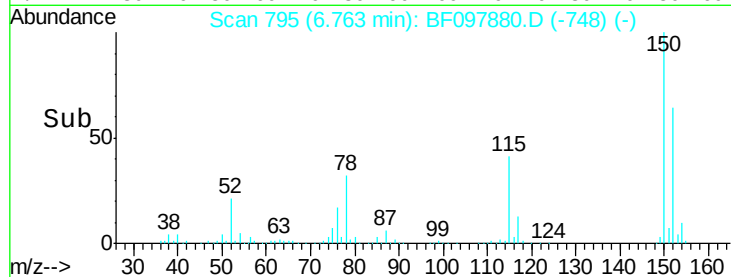
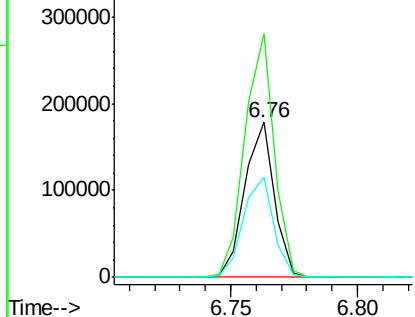
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF097880.D
Acq: 19 Aug 2017 15:52

Instrument :
BNA_F
ClientSampled :
PI-1(3)

Tot Ion:152 Resp: 144305
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 64.3 52.2 78.2



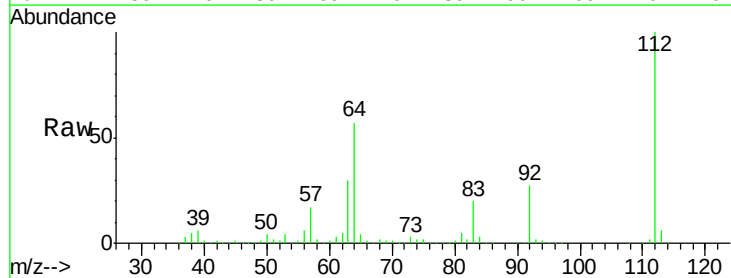
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



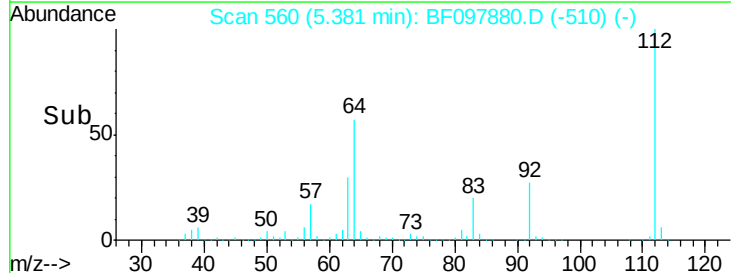
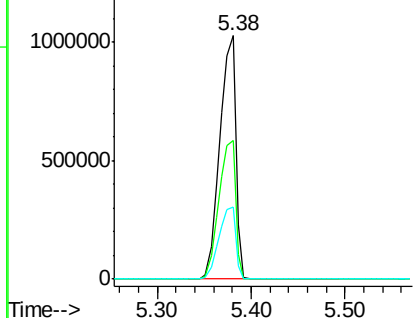
#5

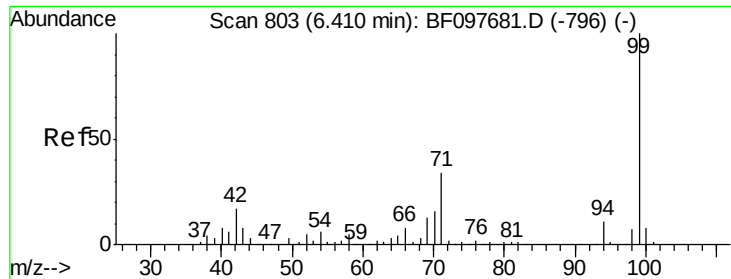
2-Fluorophenol
Concen: 129.46 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097880.D
Acq: 19 Aug 2017 15:52

Tgt Ion:112 Resp: 1228225
Ion Ratio Lower Upper
112 100
64 57.1 46.0 69.0
63 29.8 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: 131.75 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

Instrument :

BNA_F

ClientSampleId :

PI-1(3)

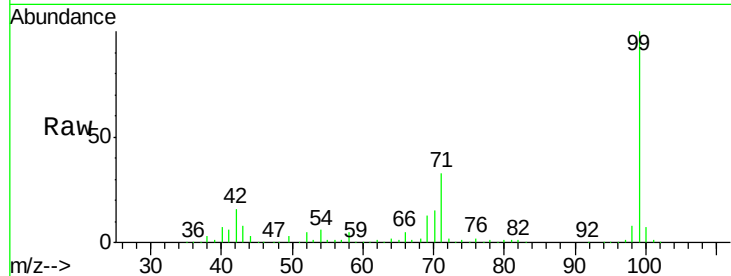
Tot Ion: 99 Resp: 1698266

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

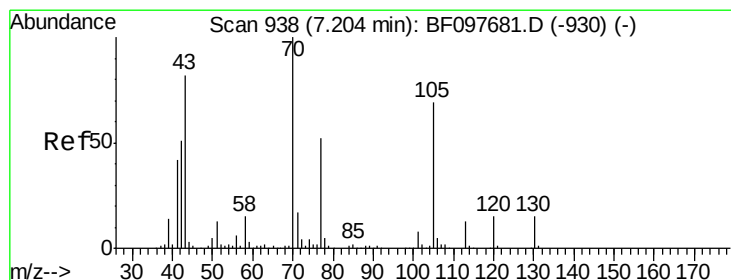
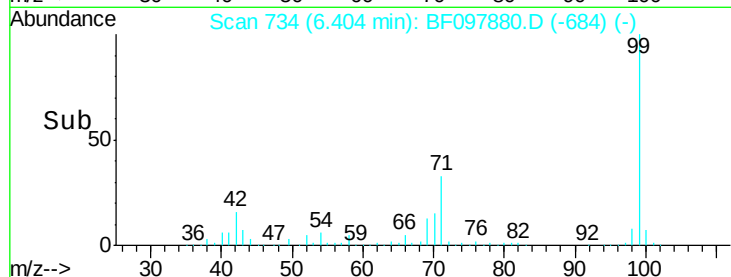
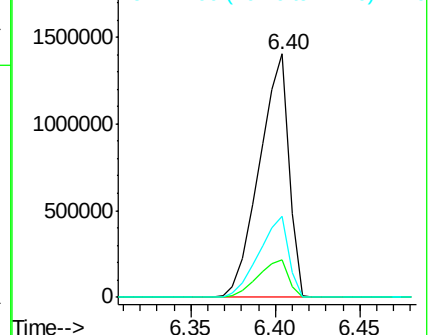
71 33.2 24.5 36.7



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: 17.42 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.12 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

Tgt Ion: 70 Resp: 153738

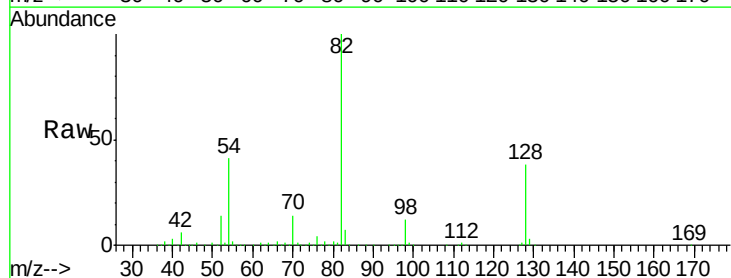
Ion Ratio Lower Upper

70 100

42 41.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

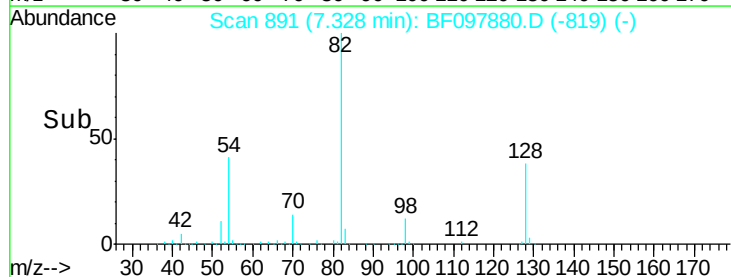
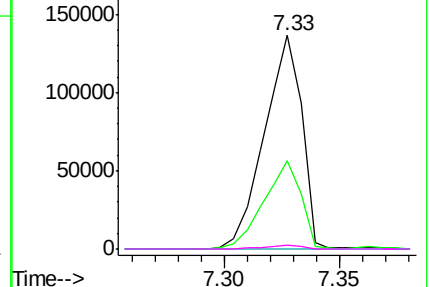


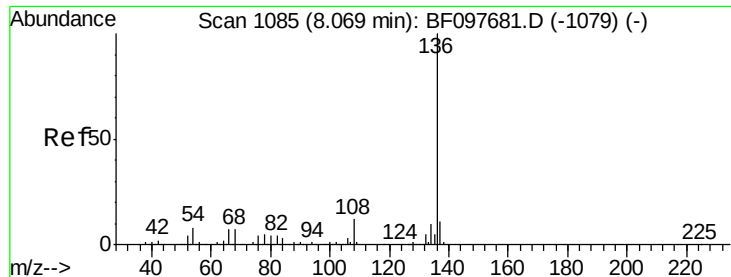
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

Instrument :

BNA_F

ClientSampleId :

PI-1(3)

Tot Ion:136 Resp: 601749

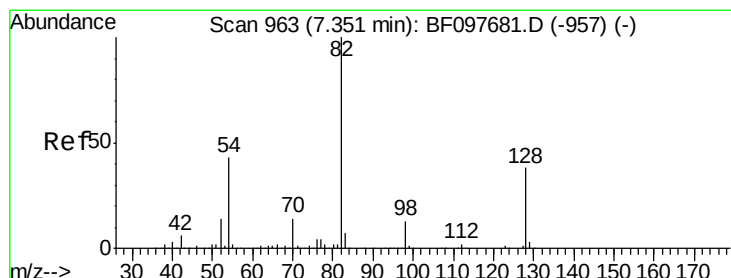
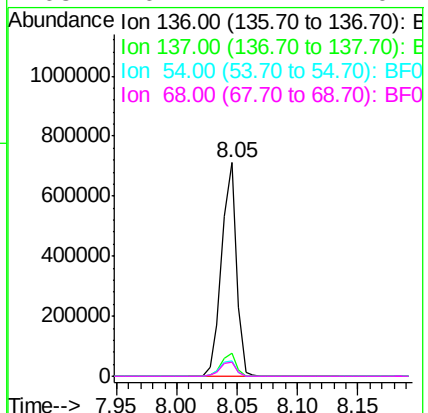
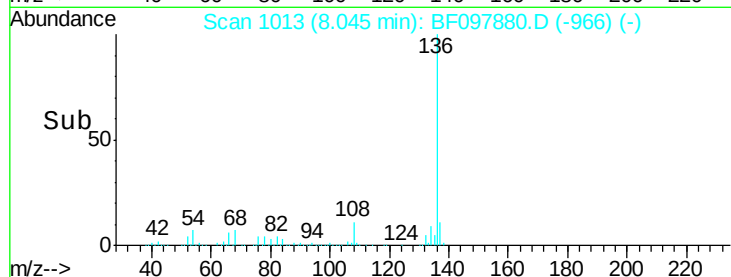
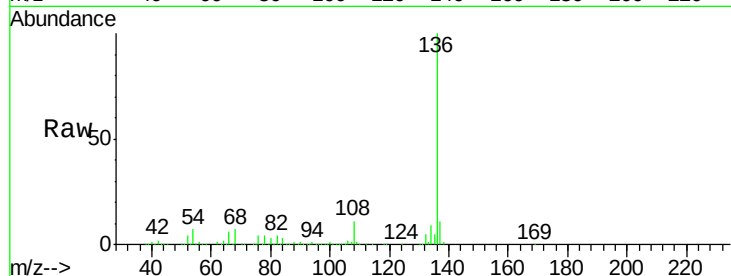
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.3 4.9 7.3#

68 6.7 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 101.70 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.02 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

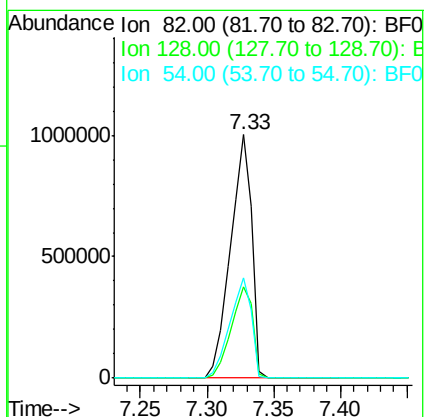
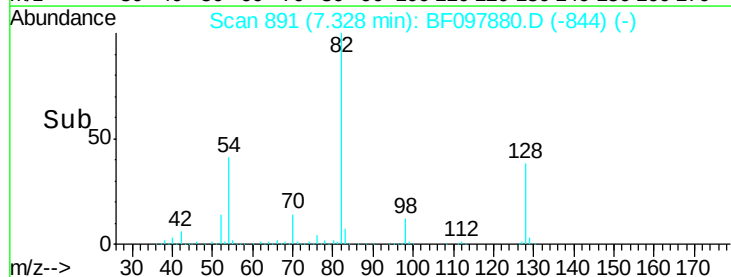
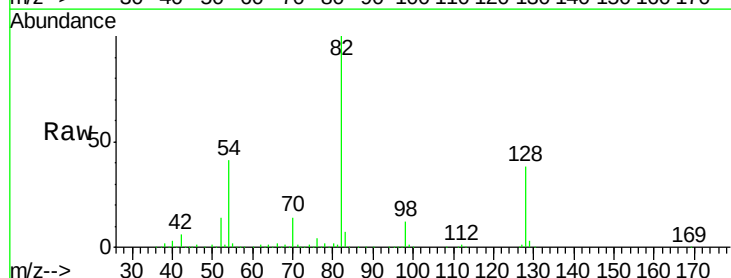
Tgt Ion: 82 Resp: 1126514

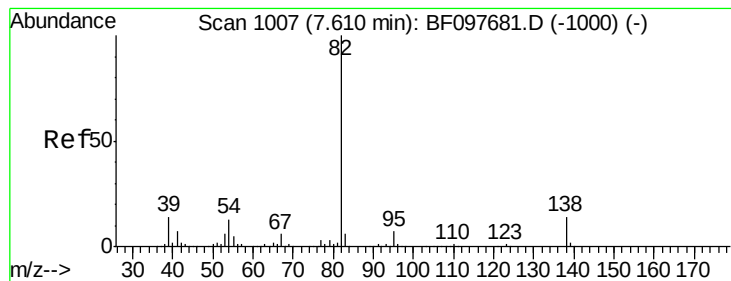
Ion Ratio Lower Upper

82 100

128 37.7 34.0 51.0

54 41.1 42.2 63.2#





#25

Isophorone

Concen: 48.70 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.28 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

Instrument :

BNA_F

ClientSampleId :

PI-1(3)

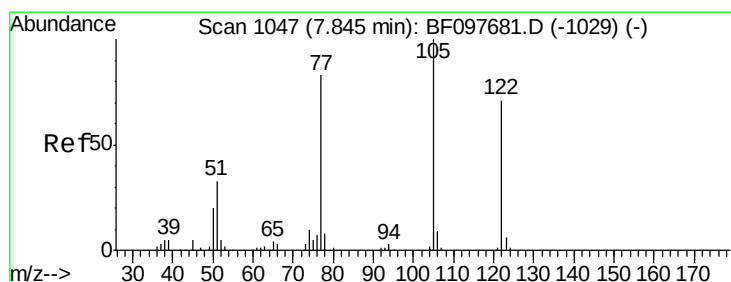
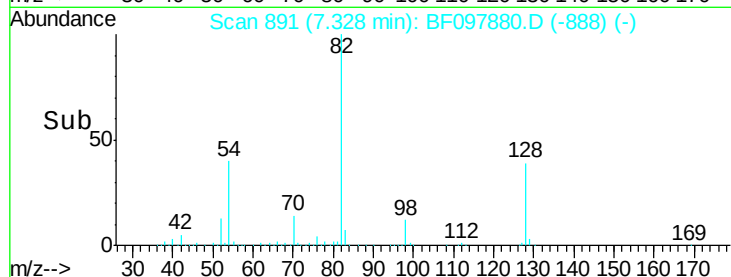
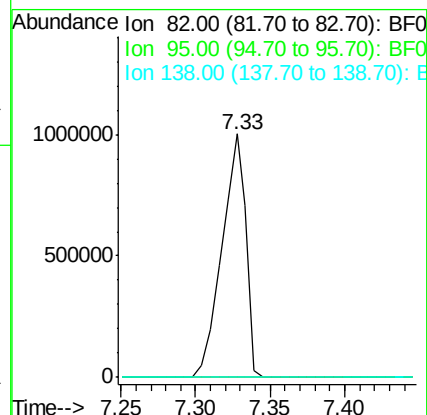
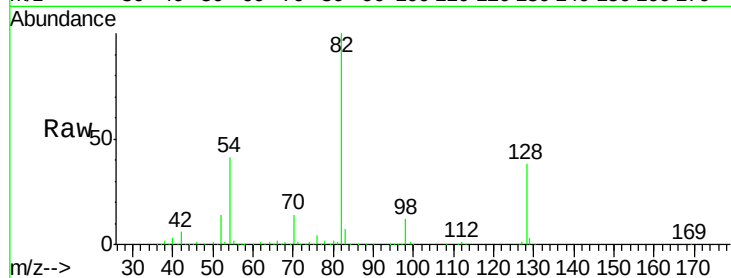
Tot Ion: 82 Resp: 1121625

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#32

Benzoic acid

Concen: 6.45 ng

RT: 7.73 min Scan# 960

Delta R.T. -0.11 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

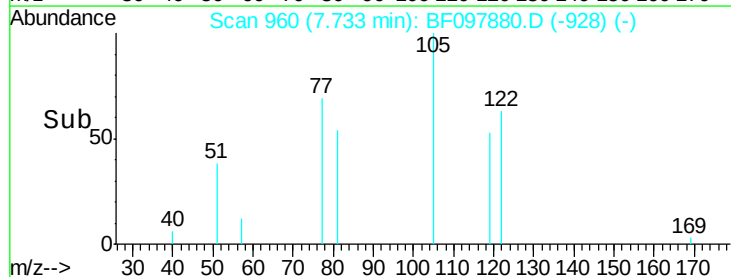
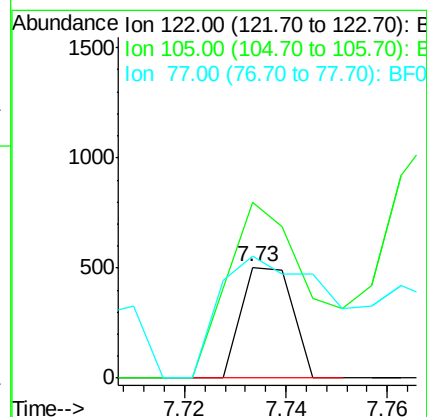
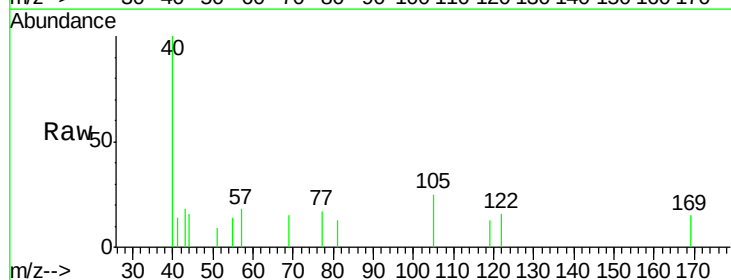
Tgt Ion:122 Resp: 350

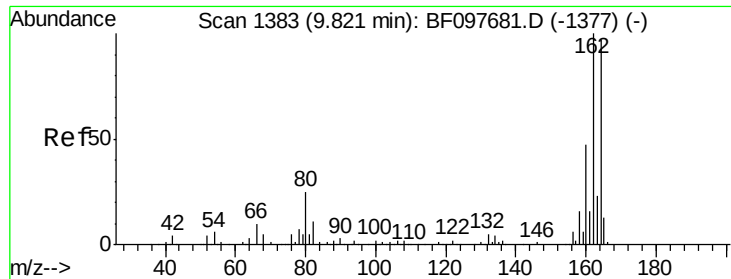
Ion Ratio Lower Upper

122 100

105 159.4 103.3 143.3#

77 110.6 73.7 113.7

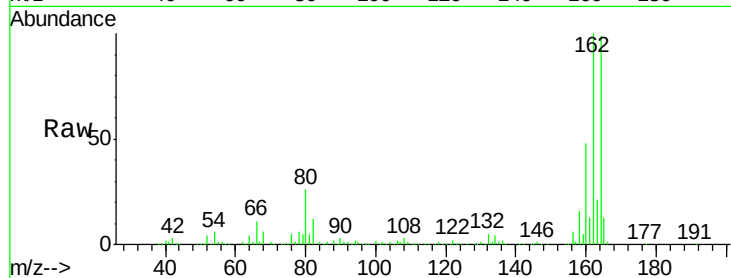




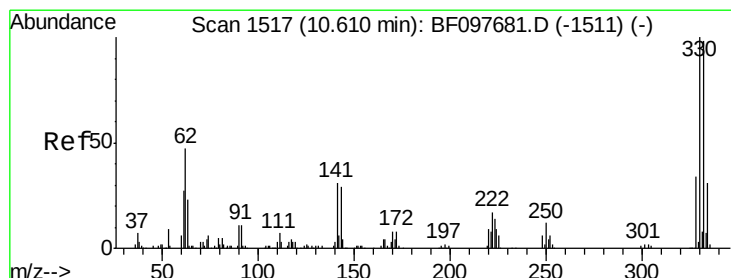
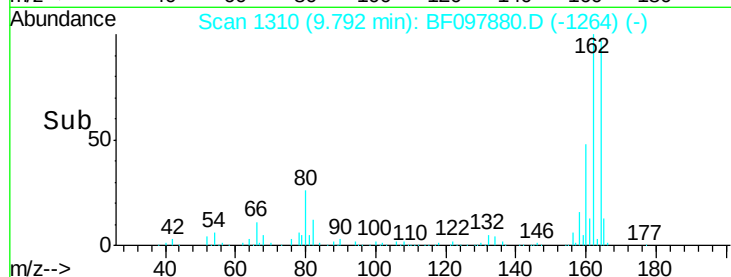
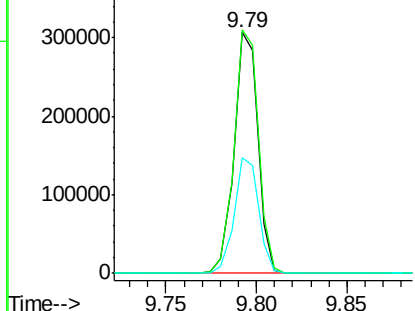
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.03 min
 Lab File: BF097880.D
 Acq: 19 Aug 2017 15:52

Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	123.8
160	48.2	36.2	54.2

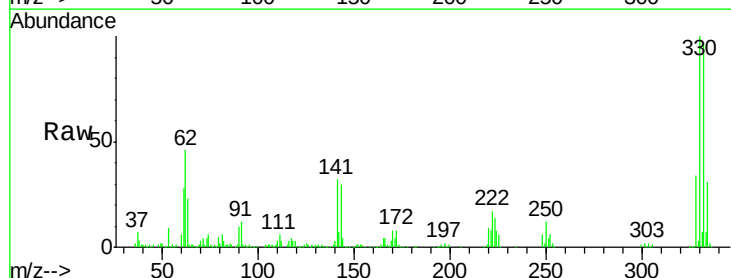


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

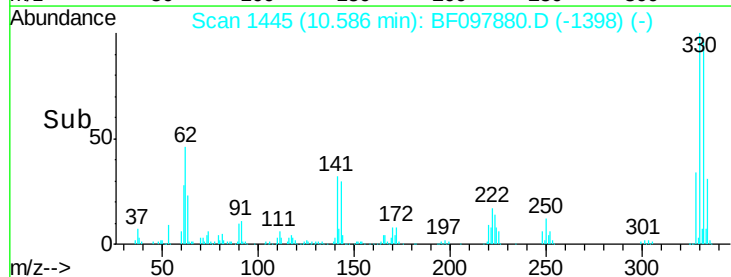
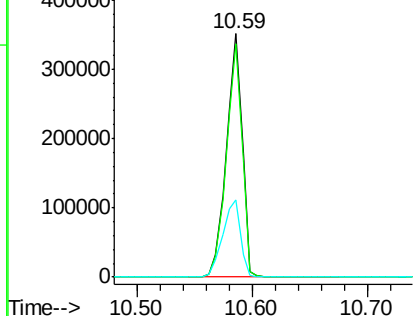


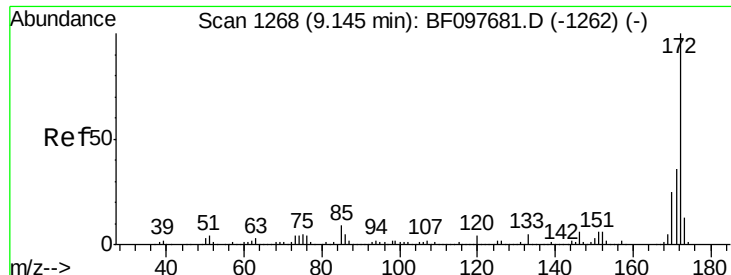
#41
 2,4,6-Tribromophenol
 Concen: 136.91 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF097880.D
 Acq: 19 Aug 2017 15:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	36.9	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

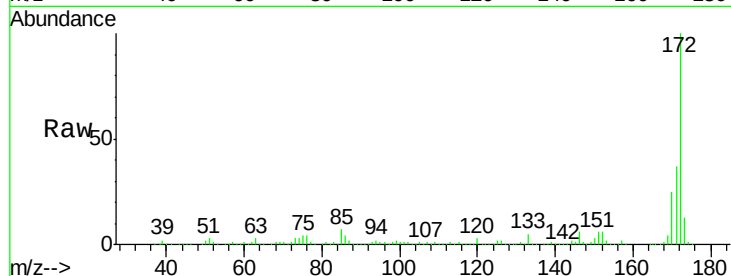




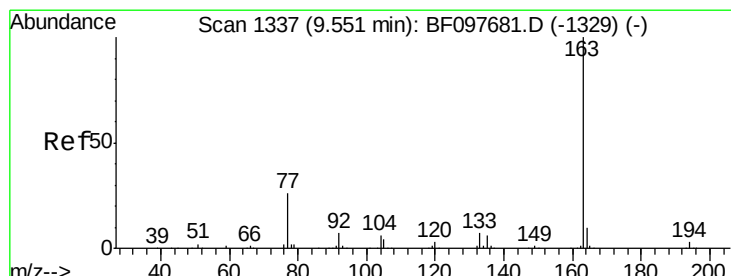
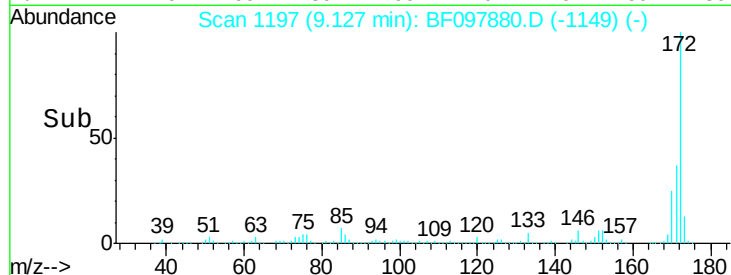
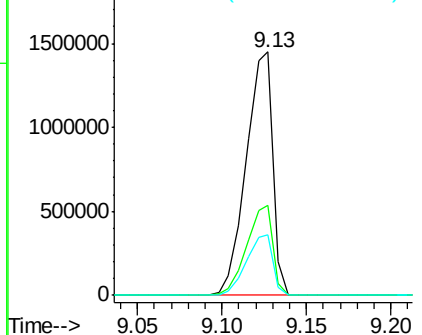
#44
2-Fluorobiphenyl
Concen: 84.17 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.02 min
Lab File: BF097880.D
Acq: 19 Aug 2017 15:52

Instrument :
BNA_F
ClientSampleId :
PI-1(3)

Tot Ion:172 Resp: 1604994
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 25.1 19.8 29.8

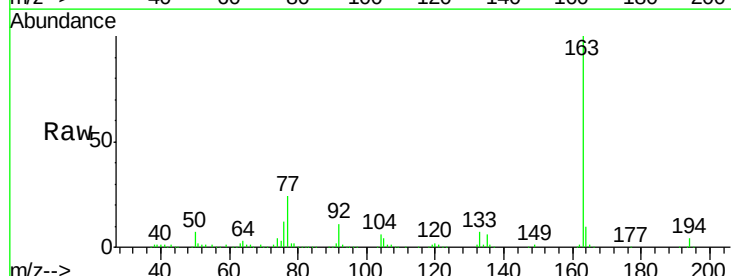


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

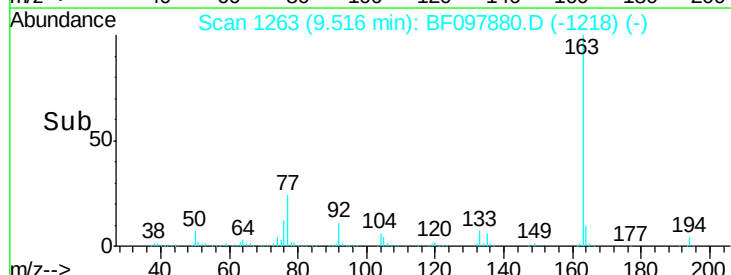
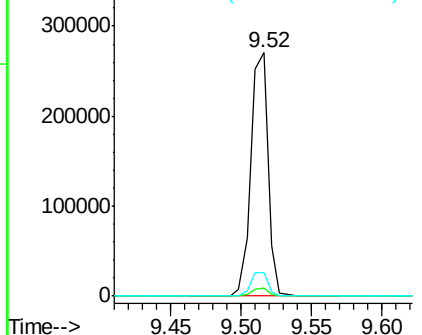


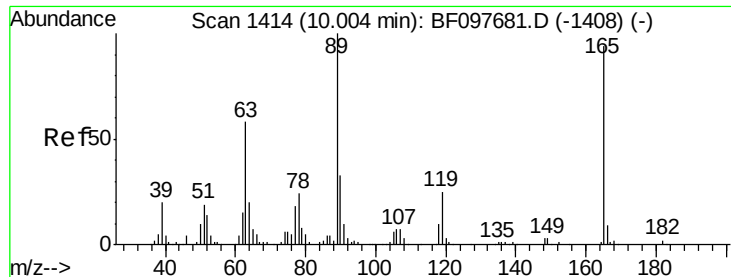
#49
Dimethylphthalate
Concen: 11.41 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.04 min
Lab File: BF097880.D
Acq: 19 Aug 2017 15:52

Tgt Ion:163 Resp: 233631
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.9 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

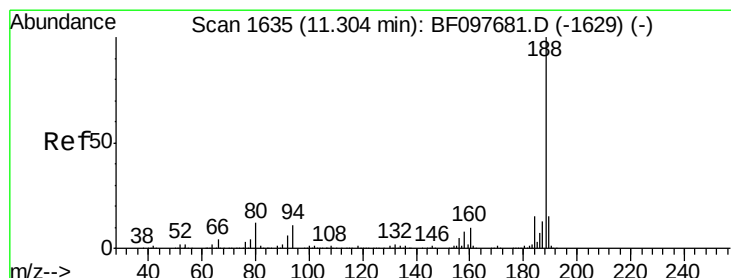
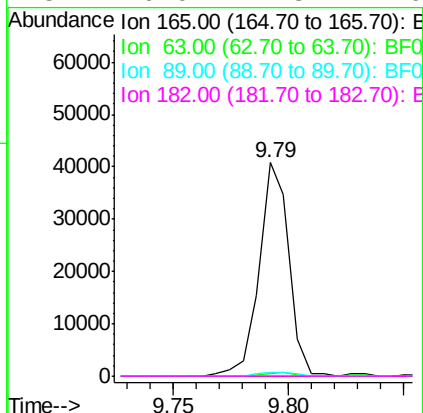
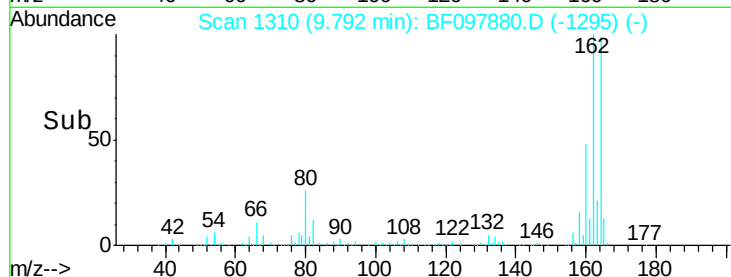
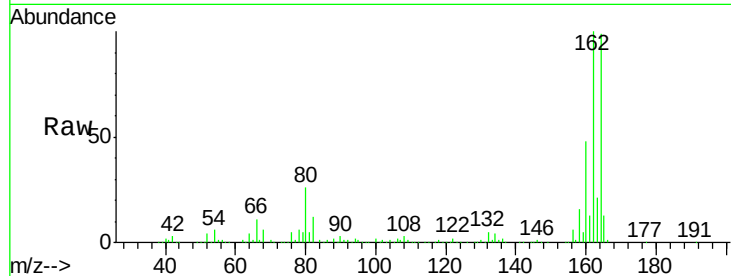




#56
 2,4-Dinitrotoluene
 Concen: 7.14 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.21 min
 Lab File: BF097880.D
 Acq: 19 Aug 2017 15:52

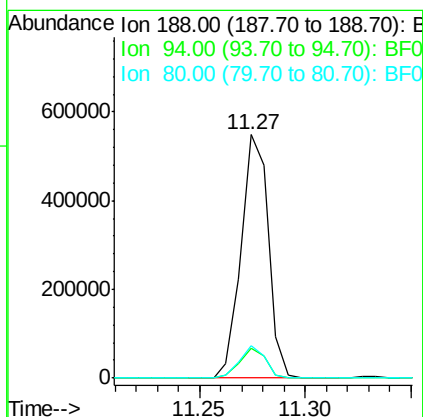
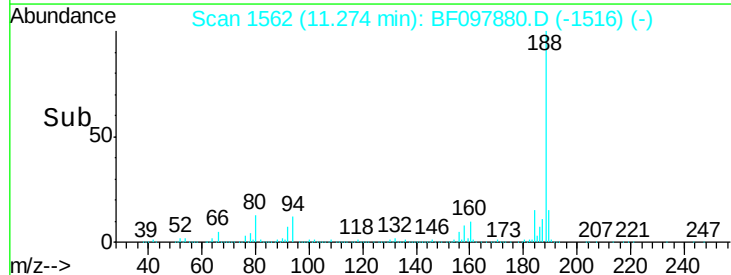
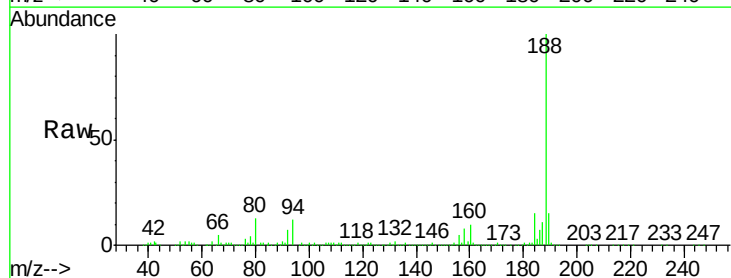
Instrument :
 BNA_F
 ClientSampleId :
 PI-1(3)

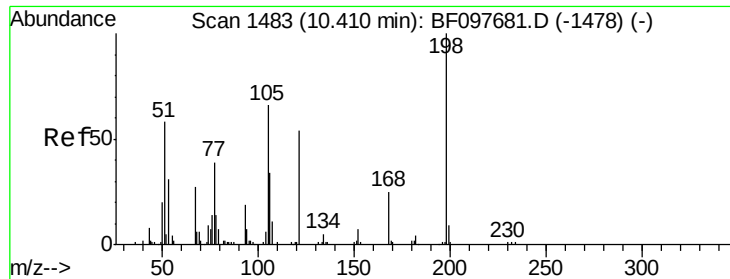
Tot Ion:165	Resp:	36631
Ion Ratio	Lower	Upper
165	100	
63	1.4	25.4 38.0#
89	2.1	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: BF097880.D
 Acq: 19 Aug 2017 15:52

Tgt Ion:188	Resp:	490793
Ion Ratio	Lower	Upper
188	100	
94	12.3	9.4 14.2
80	13.5	10.2 15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.68 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.18 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

Instrument :

BNA_F

ClientSampled :

PI-1(3)

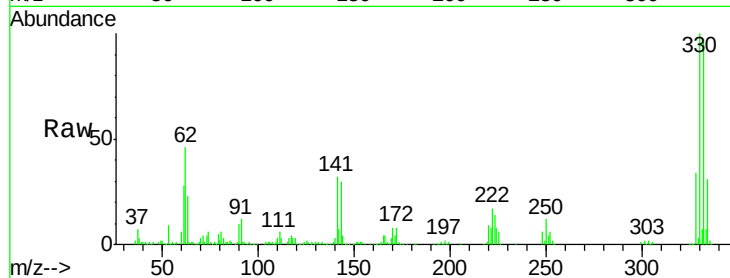
Tot Ion:198 Resp: 995

Ion Ratio Lower Upper

198 100

51 118.2 53.2 93.2#

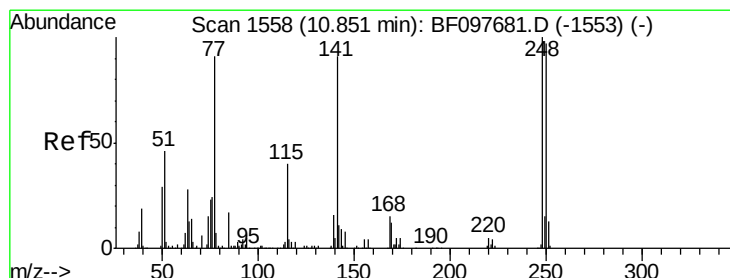
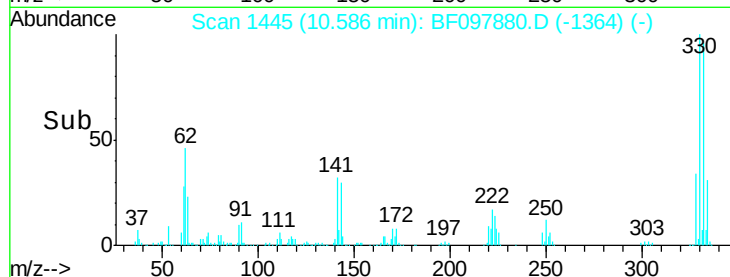
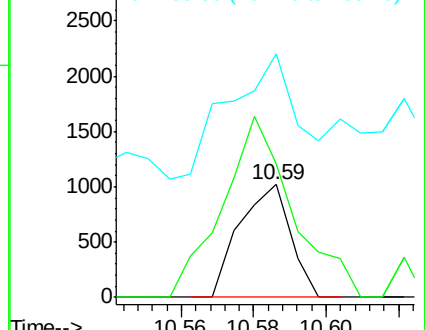
105 216.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.19 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.26 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

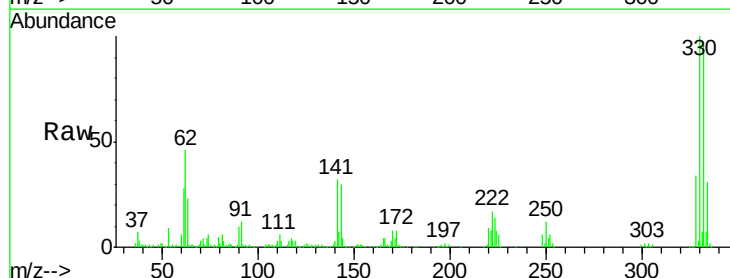
Tgt Ion:248 Resp: 21362

Ion Ratio Lower Upper

248 100

250 204.7 76.8 115.2#

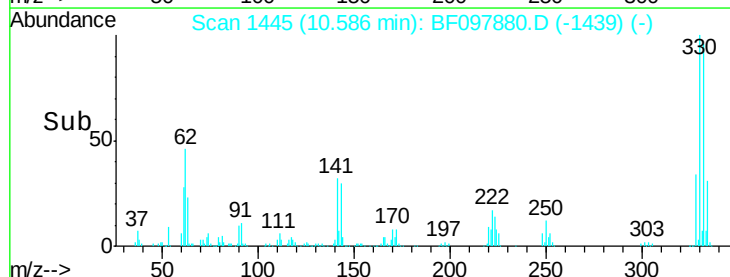
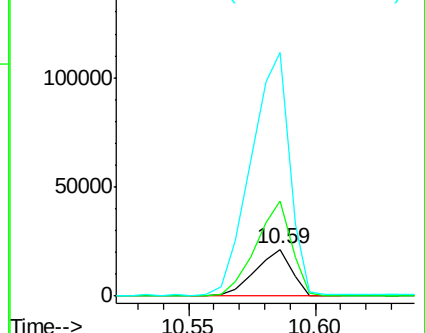
141 521.2 68.6 103.0#

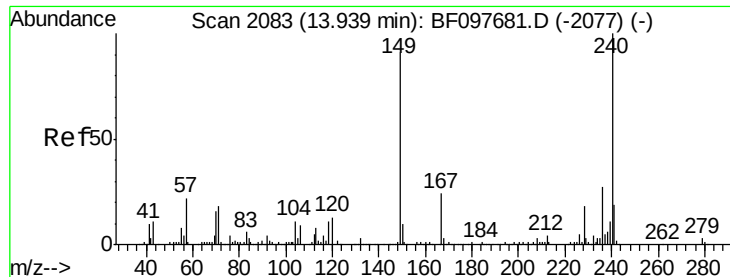


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.04 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

Instrument :

BNA_F

ClientSampleId :

PI-1(3)

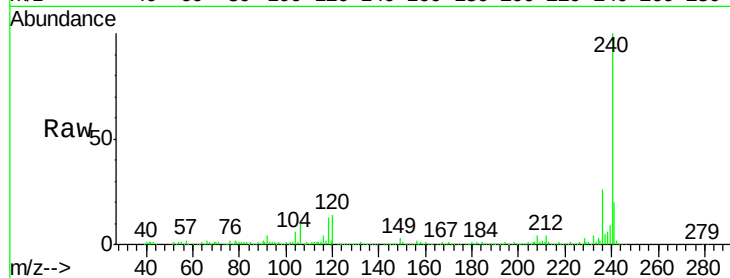
Tot Ion:240 Resp: 275184

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

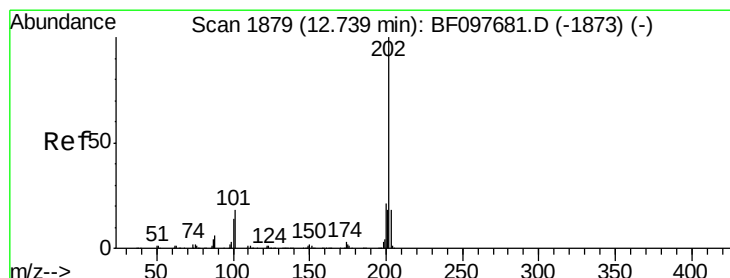
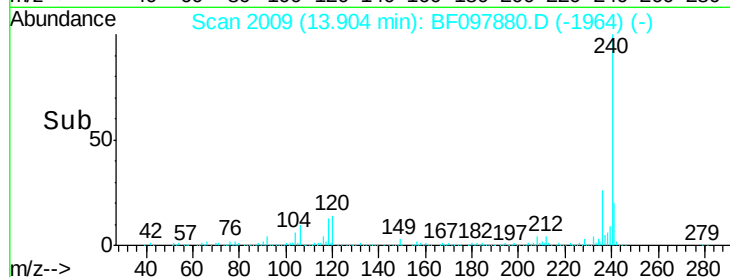
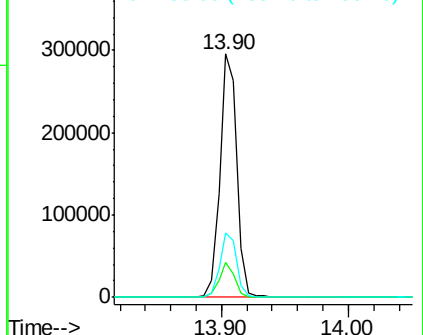
236 26.4 20.5 30.7



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: 2.02 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.03 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

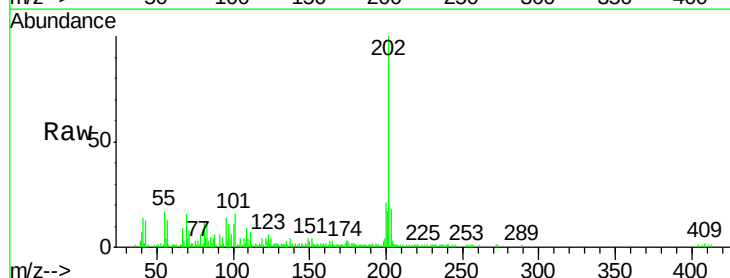
Tgt Ion:202 Resp: 45537

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

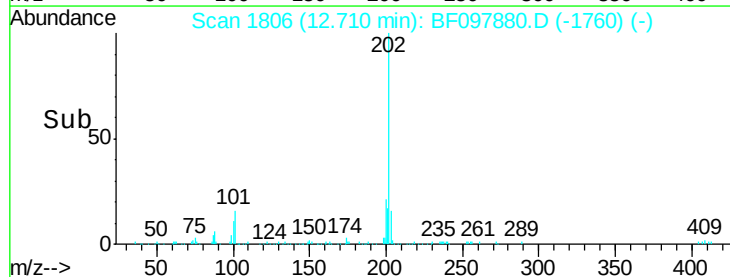
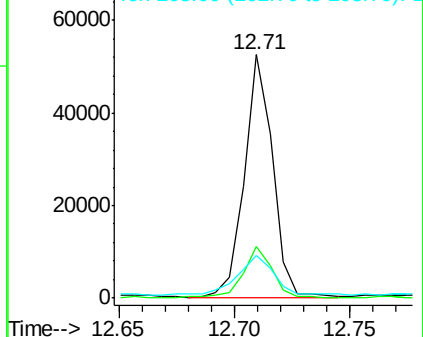
203 17.6 14.4 21.6

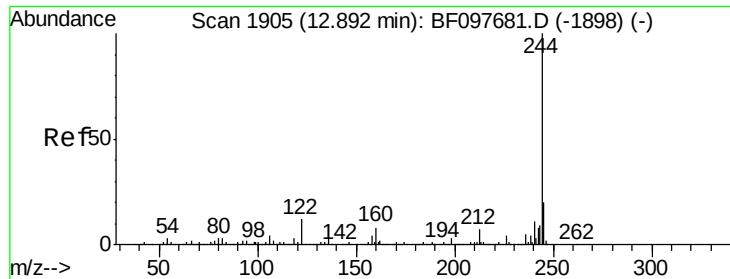


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 84.82 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

Instrument :

BNA_F

ClientSampled :

PI-1(3)

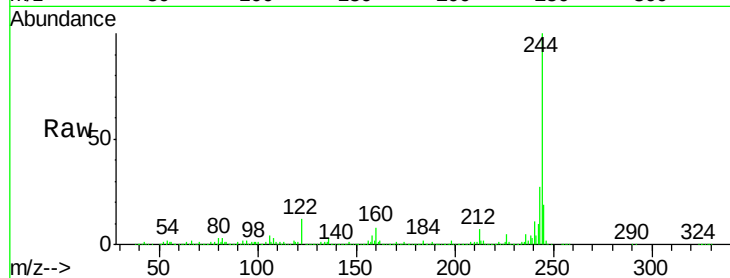
Tot Ion:244 Resp: 1119353

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

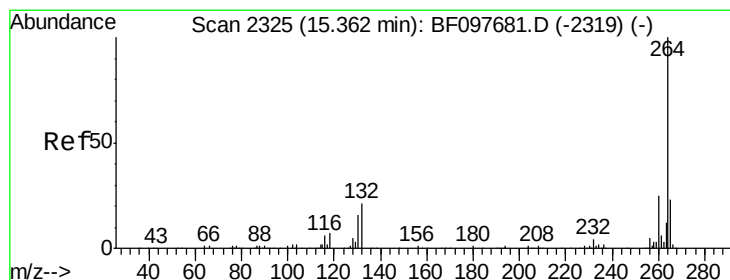
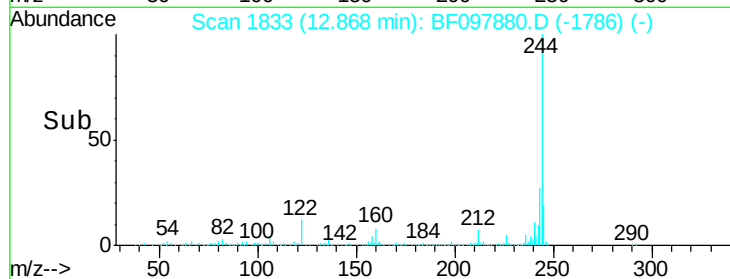
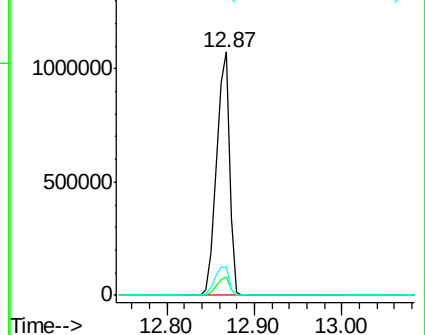
122 12.0 10.3 15.5



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

Perylene-d12

Concen: 20.00 ng

RT: 15.33 min Scan# 2251

Delta R.T. -0.04 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

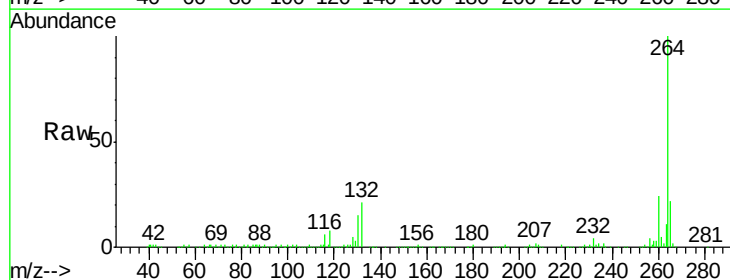
Tgt Ion:264 Resp: 260404

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

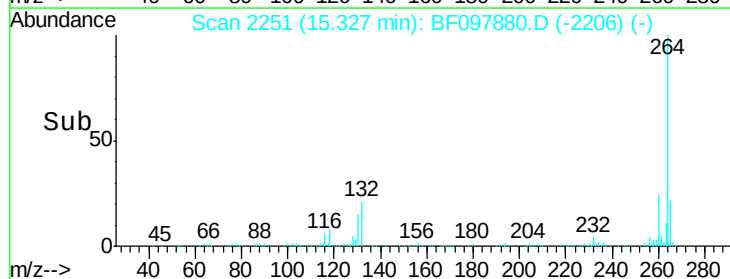
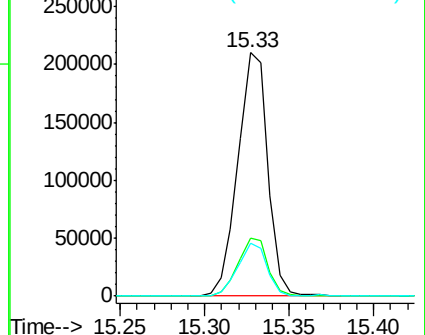
265 22.0 17.2 25.8

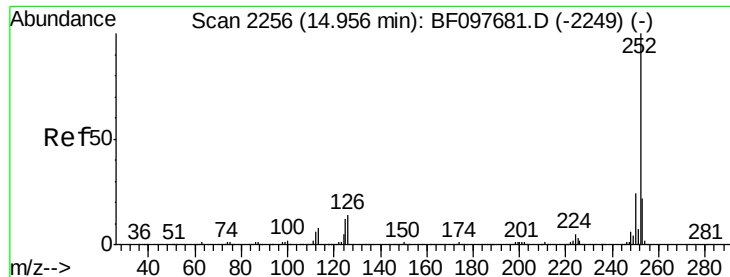


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.00 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.04 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

Instrument :

BNA_F

ClientSampled :

PI-1(3)

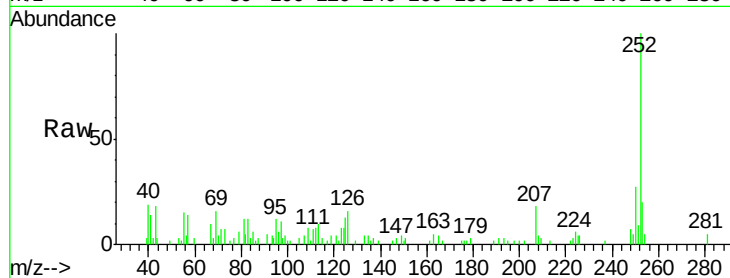
Tot Ion:252 Resp: 32886

Ion Ratio Lower Upper

252 100

253 20.0 18.1 27.1

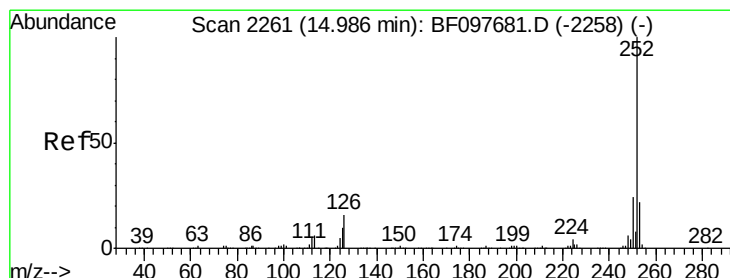
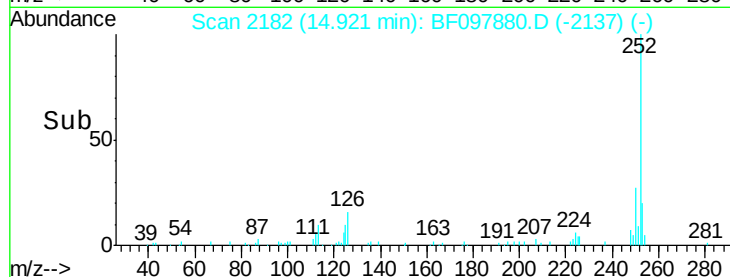
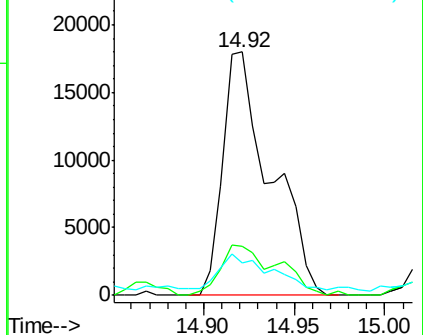
125 13.4 9.8 14.8



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: 2.13 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.06 min

Lab File: BF097880.D

Acq: 19 Aug 2017 15:52

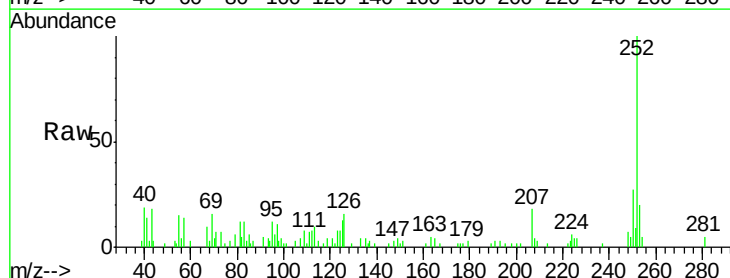
Tgt Ion:252 Resp: 32886

Ion Ratio Lower Upper

252 100

253 20.0 18.4 27.6

125 13.4 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

