

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097335.D
 Acq On : 3 Aug 2017 23:52
 Operator : SJ/JU
 Sample : I4562-22
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-H

Quant Time: Aug 04 01:10:34 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

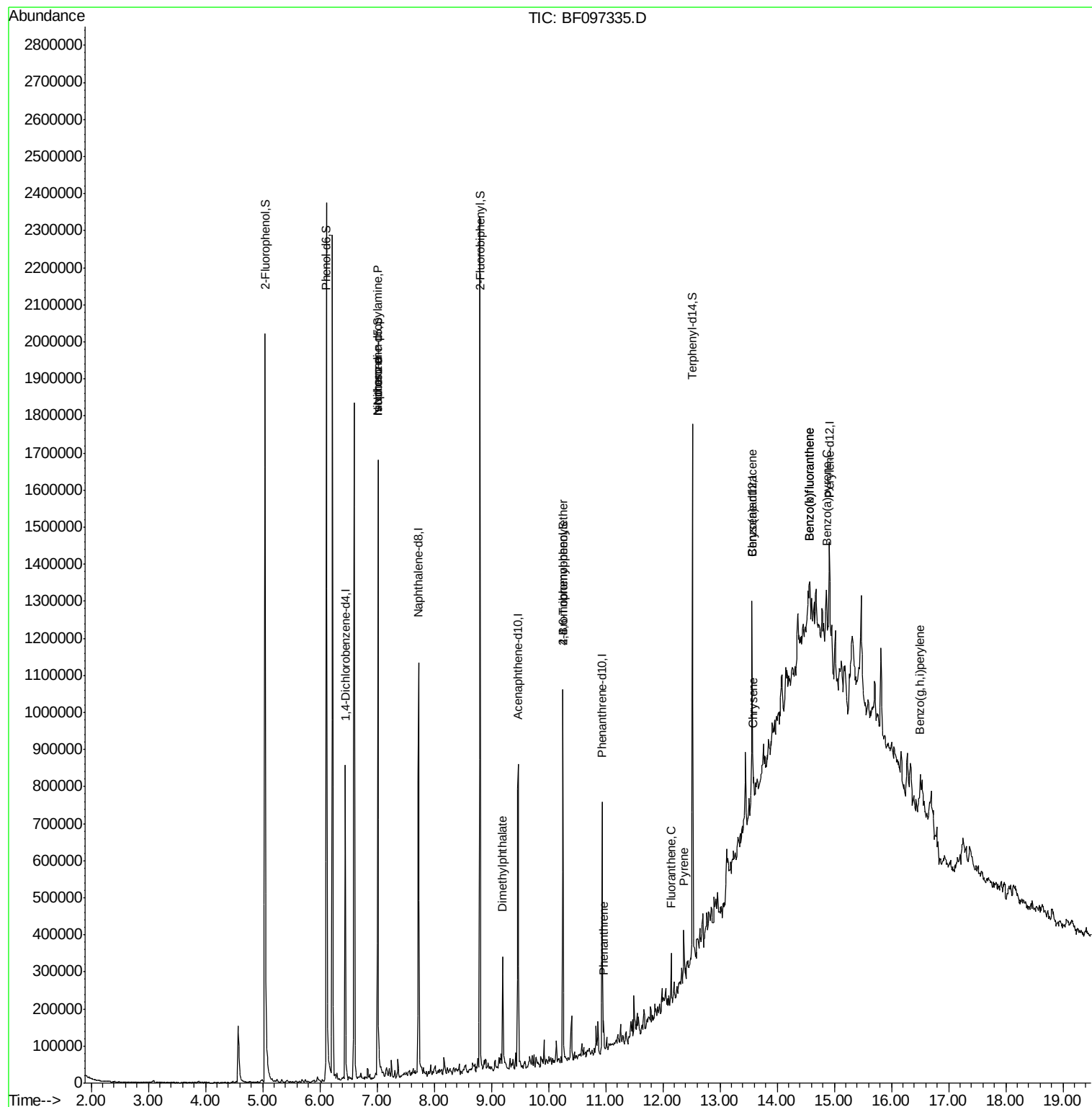
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	122370	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	461280	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	158486	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	222678	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	186546	20.00	ng	-0.06
86) Perylene-d12	14.92	264	110002	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	678302	83.56	ng	-0.06
7) Phenol-d6	6.12	99	829854	89.55	ng	-0.05
23) Nitrobenzene-d5	7.02	82	486632	61.89	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	104059	83.10	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	706505	75.65	ng	-0.06
78) Terphenyl-d14	12.52	244	446025	48.75	ng	-0.06
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.02	70	64847	10.631	ng	# 88
25) Isophorone	7.02	82	476494	30.943	ng	# 67
49) Dimethylphthalate	9.20	163	114749	9.534	ng	100
66) 4-Bromophenyl-phenylether	10.25	248	7093	3.192	ng	# 1
70) Phenanthrene	10.96	178	31556	2.645	ng	99
74) Fluoranthene	12.15	202	52416	4.484	ng	99
77) Pyrene	12.37	202	55183	3.613	ng	99
80) Benzo(a)anthracene	13.56	228	33008	2.735	ng	# 78
82) Chrysene	13.59	228	35394	3.003	ng	# 82
87) Benzo(b)fluoranthene	14.56	252	38382	5.804	ng	# 45
88) Benzo(k)fluoranthene	14.56	252	38382	6.091	ng	# 49
89) Benzo(a)pyrene	14.86	252	19274	3.185	ng	# 29
91) Benzo(a,h,i)perylene	16.49	276	12309	2.365	ng	# 61

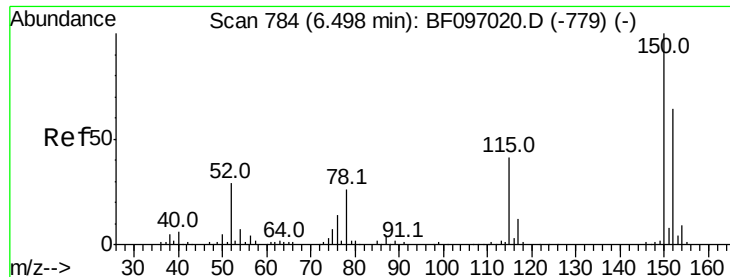
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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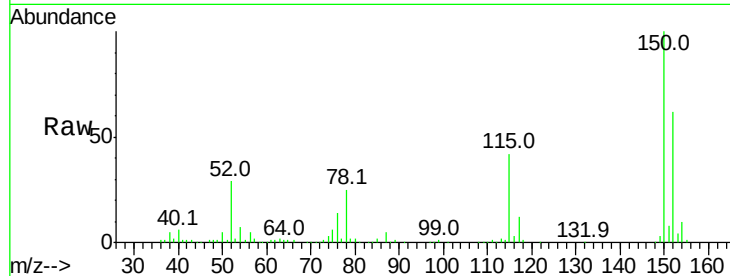


#1

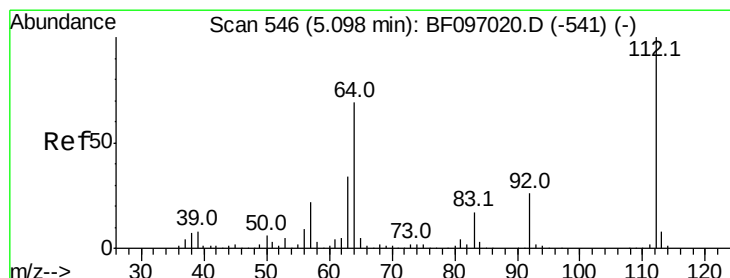
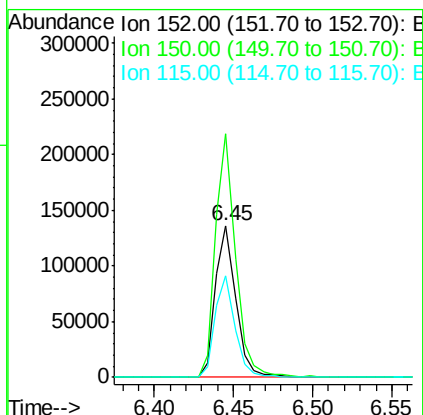
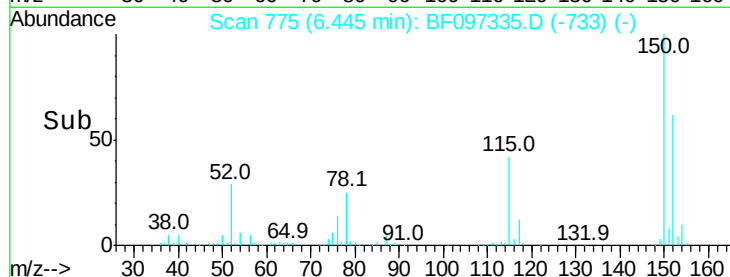
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.45 min Scan# 775
 Delta R.T. -0.05 min
 Lab File: BF097335.D
 Acq: 3 Aug 2017 23:52

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-H

Tot Ion:152 Resp: 122370
 Ion Ratio Lower Upper
 152 100
 150 160.5 126.2 189.2
 115 66.9 52.2 78.2



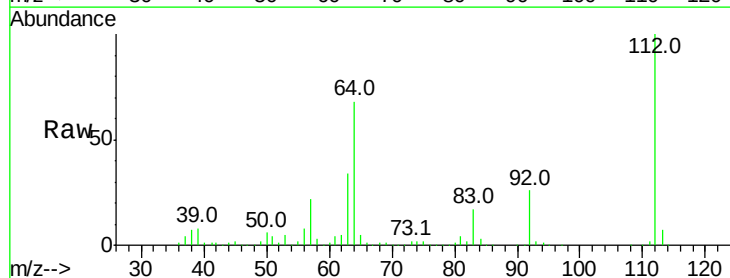
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



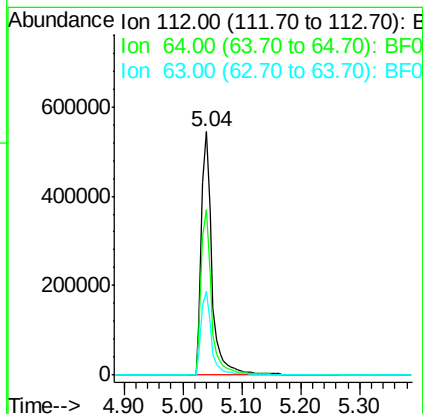
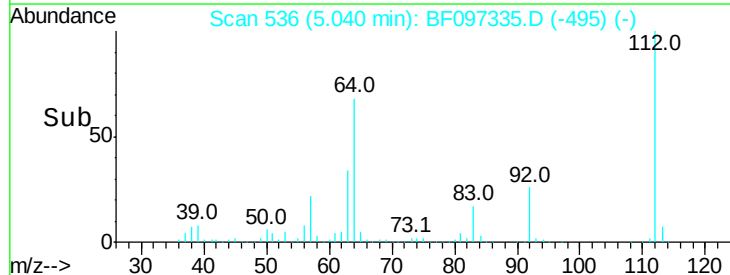
#5

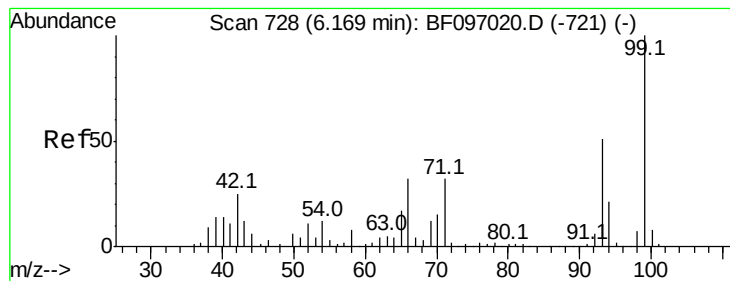
2-Fluorophenol
 Concen: 83.561 ng
 RT: 5.04 min Scan# 536
 Delta R.T. -0.06 min
 Lab File: BF097335.D
 Acq: 3 Aug 2017 23:52

Tgt Ion:112 Resp: 678302
 Ion Ratio Lower Upper
 112 100
 64 67.8 46.0 69.0
 63 34.1 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: 89.549 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-H

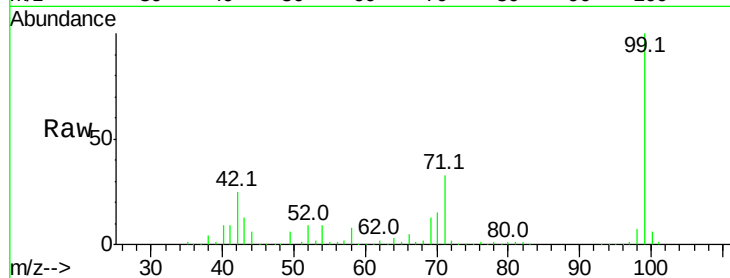
Tot Ion: 99 Resp: 829854

Ion Ratio Lower Upper

99 100

42 24.6 13.5 20.3#

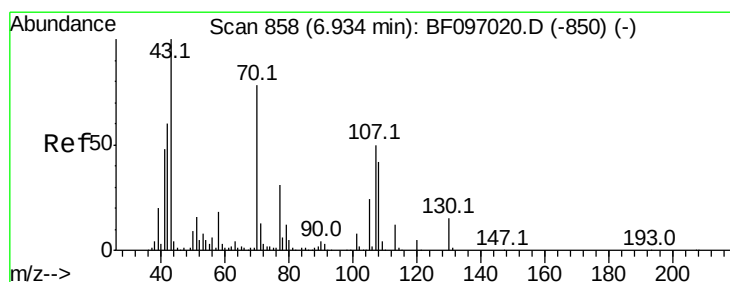
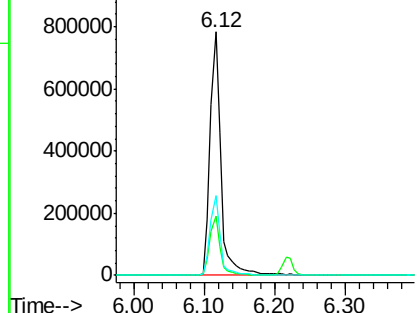
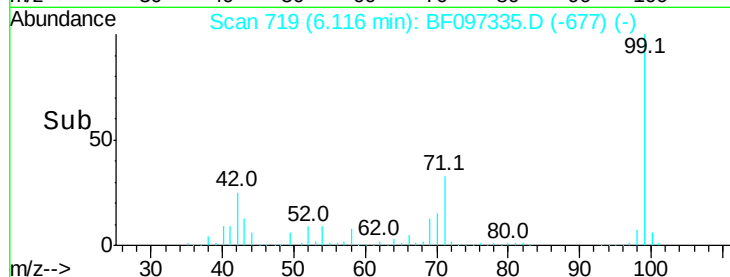
71 32.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.631 ng

RT: 7.02 min Scan# 872

Delta R.T. 0.08 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

Tgt Ion: 70 Resp: 64847

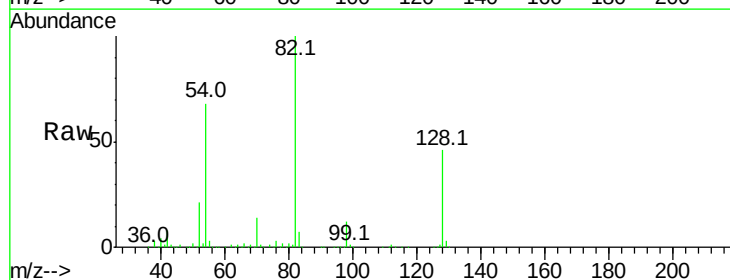
Ion Ratio Lower Upper

70 100

42 60.3 47.2 70.8

101 0.0 7.2 10.8#

130 2.8 15.9 23.9#

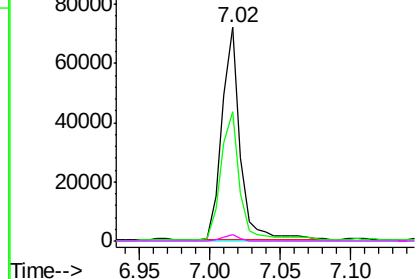
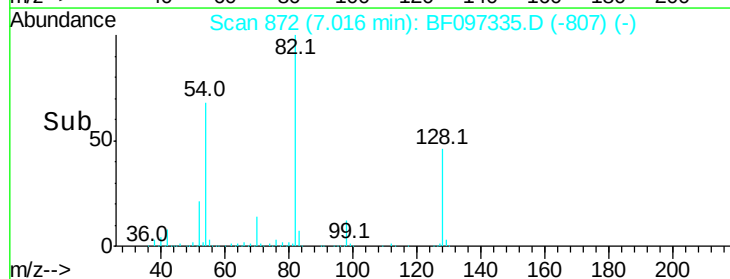


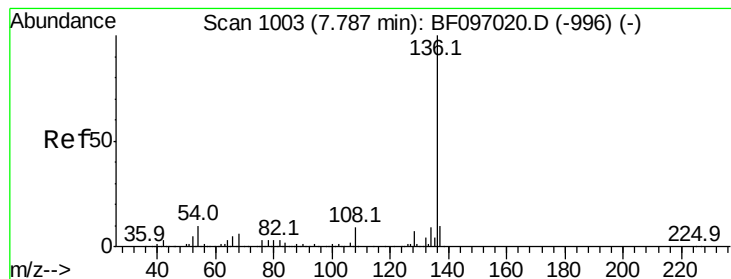
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): 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: BF097335.D

Acq: 3 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-H

Tot Ion:136 Resp: 461280

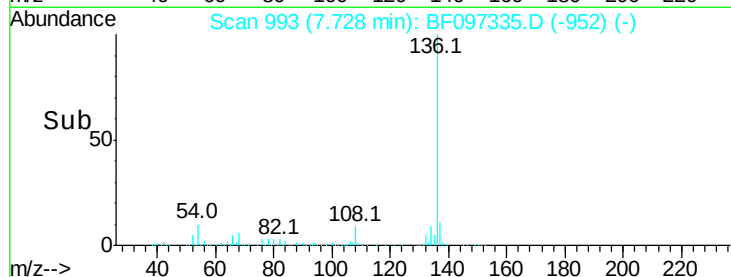
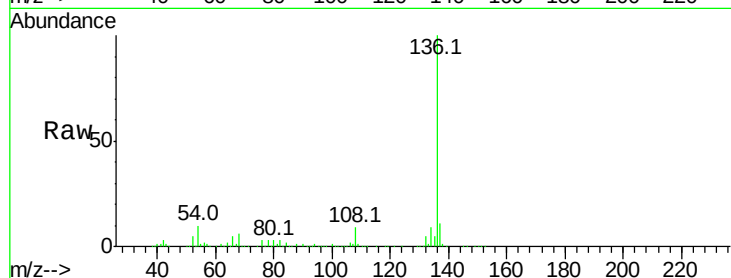
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 10.2 4.9 7.3#

68 5.6 4.1 6.1

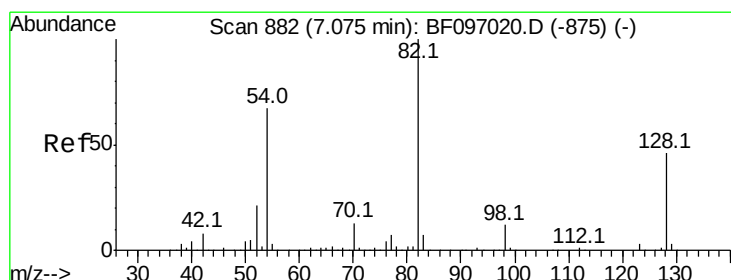
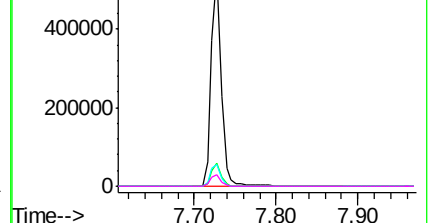


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.888 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.06 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

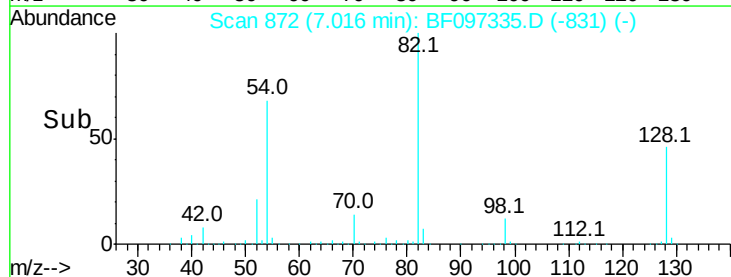
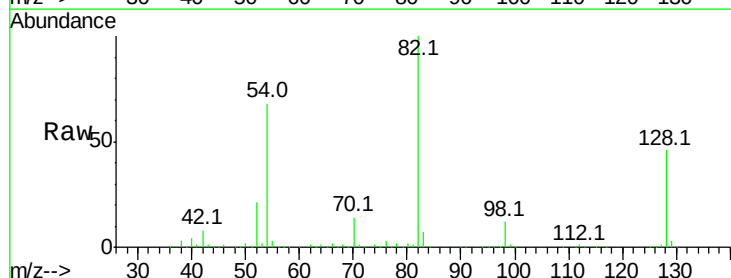
Tgt Ion: 82 Resp: 486632

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

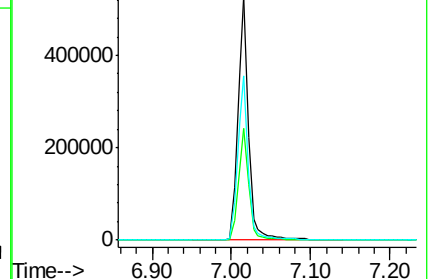
54 67.6 42.2 63.2#

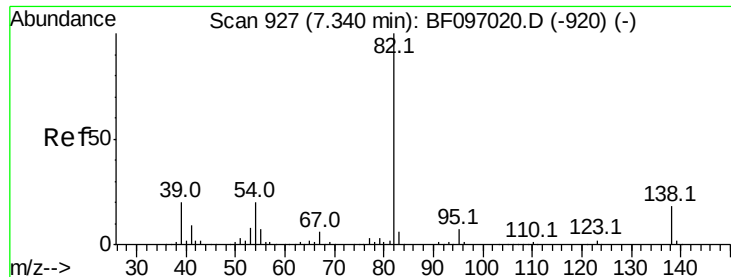


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 30.943 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-H

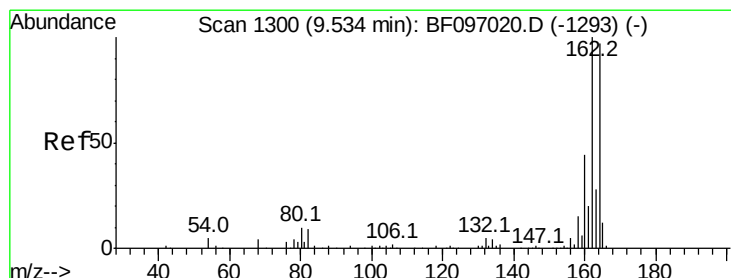
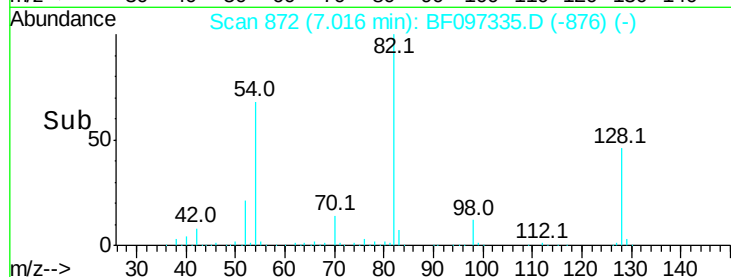
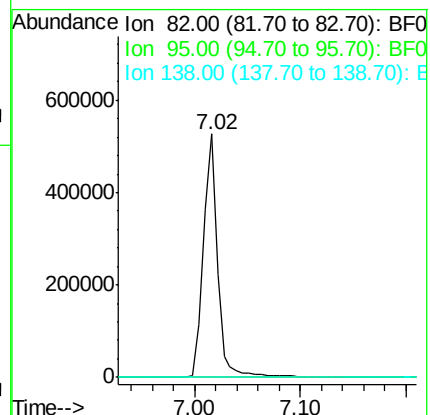
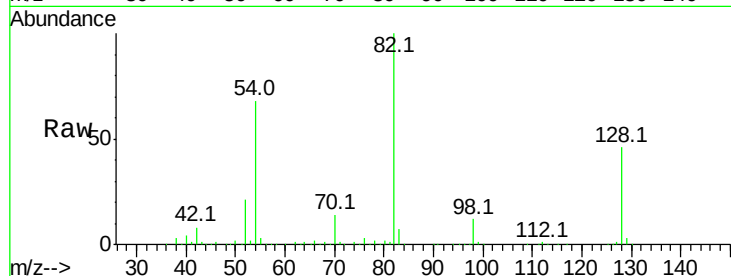
Tot Ion: 82 Resp: 476494

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.47 min Scan# 1289

Delta R.T. -0.06 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

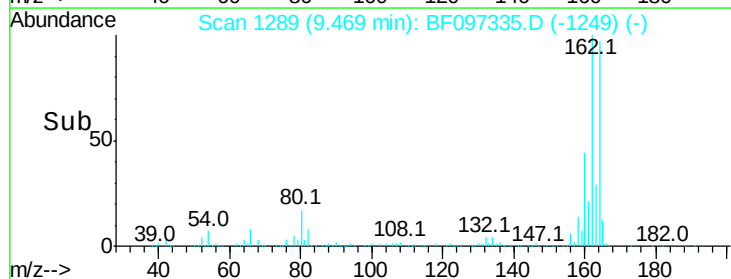
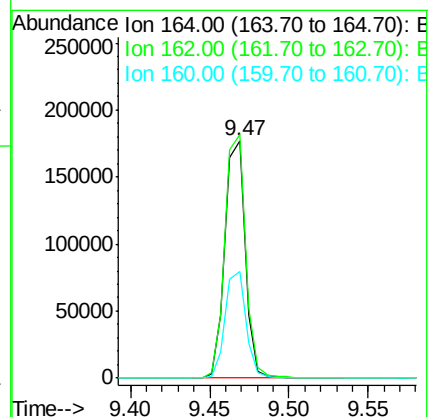
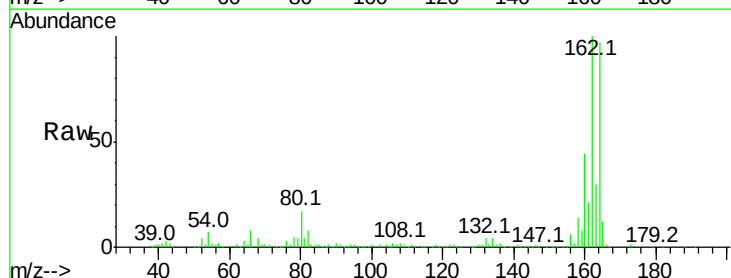
Tgt Ion:164 Resp: 158486

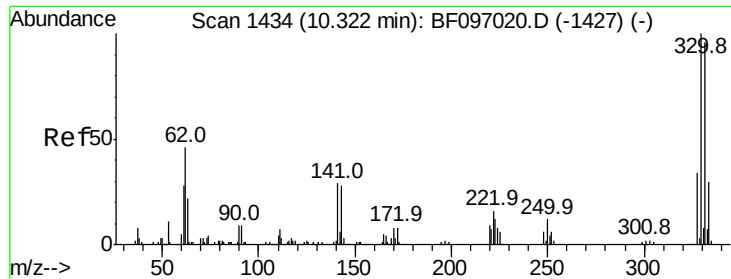
Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

160 45.0 36.2 54.2

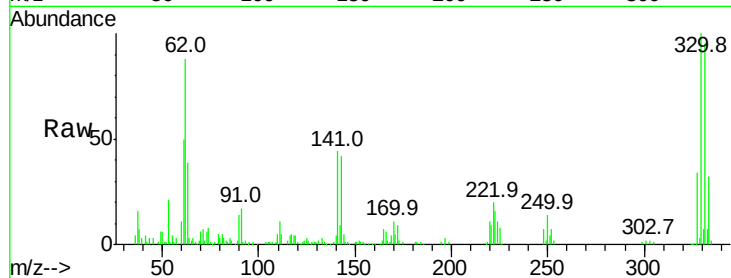




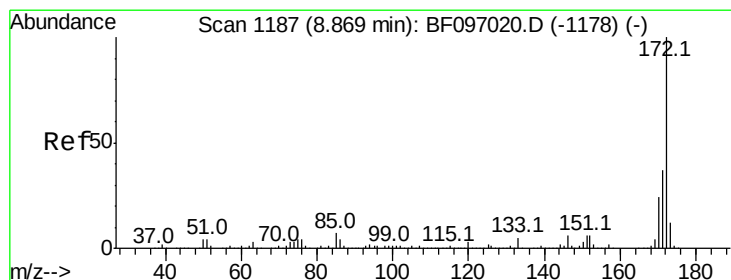
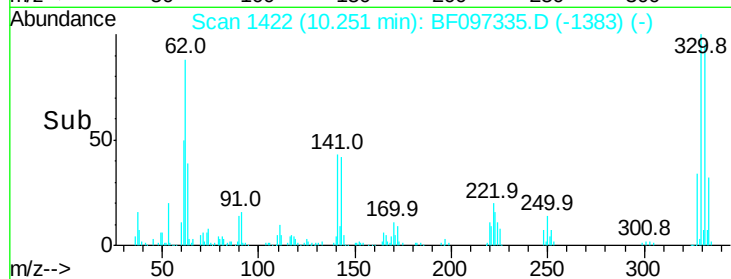
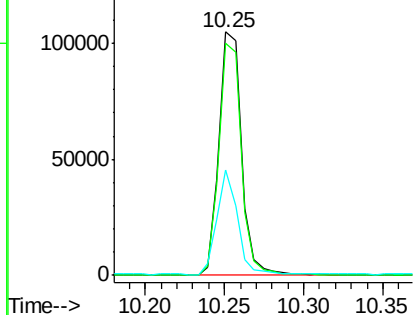
#41
 2,4,6-Tribromophenol
 Concen: 83.101 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.07 min
 Lab File: BF097335.D
 Acq: 3 Aug 2017 23:52

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-H

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	39.3	31.4	47.2

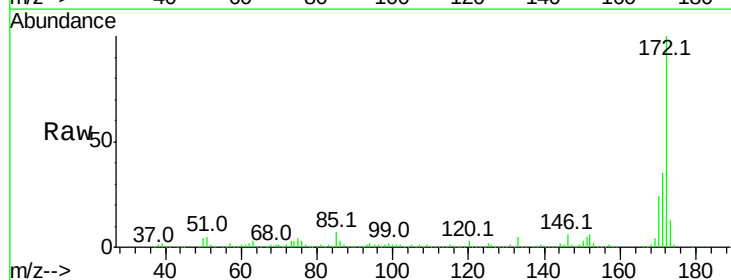


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

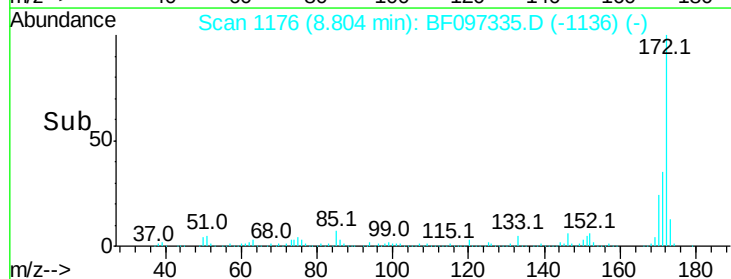
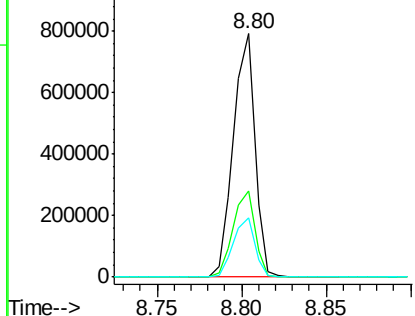


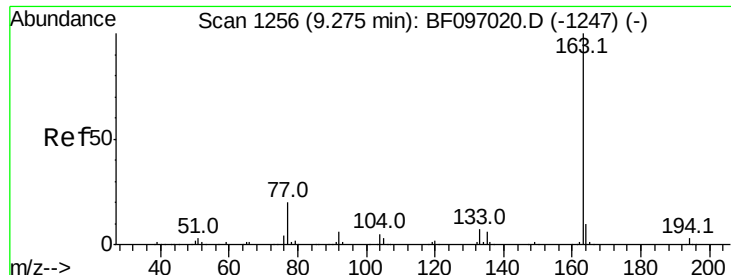
#44
 2-Fluorobiphenyl
 Concen: 75.654 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.06 min
 Lab File: BF097335.D
 Acq: 3 Aug 2017 23:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	24.3	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

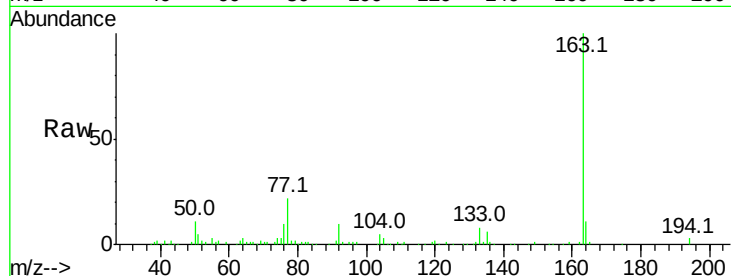




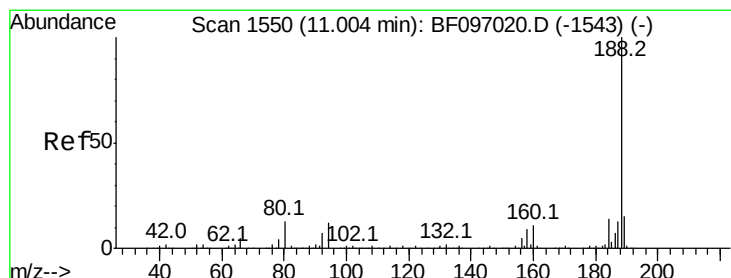
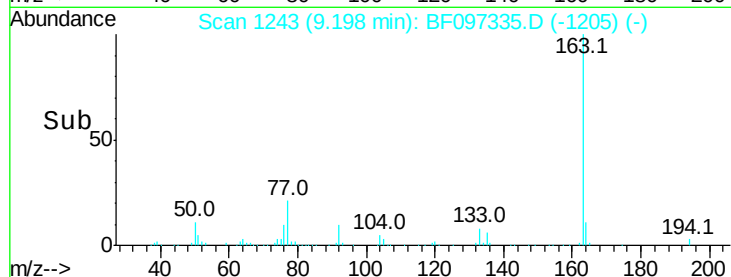
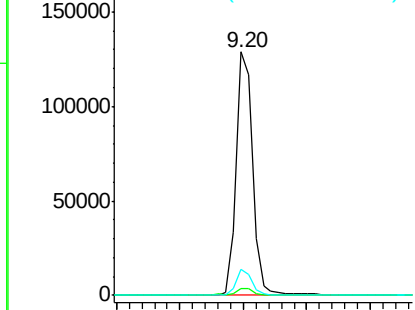
#49
Dimethylphthalate
Concen: 9.534 ng
RT: 9.20 min Scan# 1243
Delta R.T. -0.08 min
Lab File: BF097335.D
Acq: 3 Aug 2017 23:52

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-H

Tot Ion:163 Resp: 114749
Ion Ratio Lower Upper
163 100
194 2.9 2.6 4.0
164 10.5 8.4 12.6

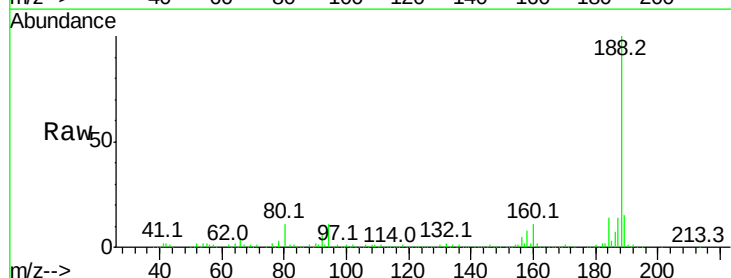


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

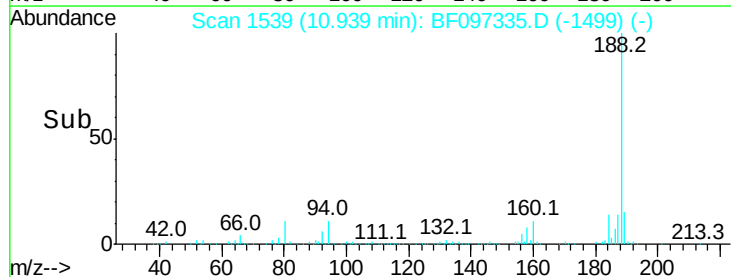
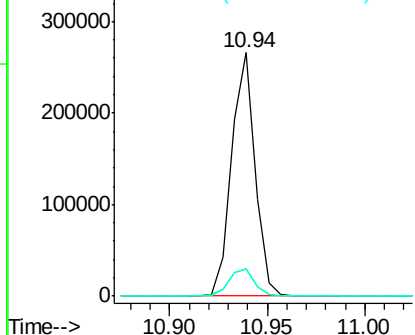


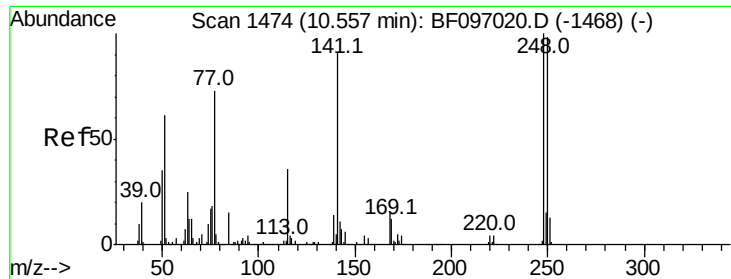
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097335.D
Acq: 3 Aug 2017 23:52

Tgt Ion:188 Resp: 222678
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 11.1 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

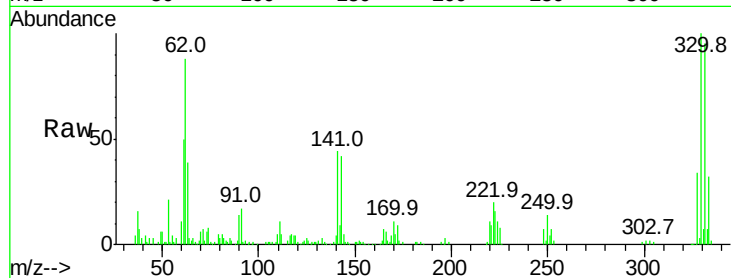




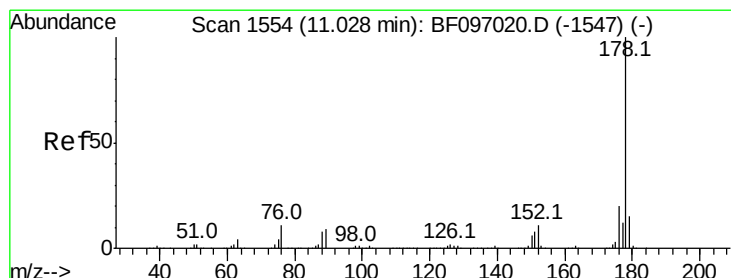
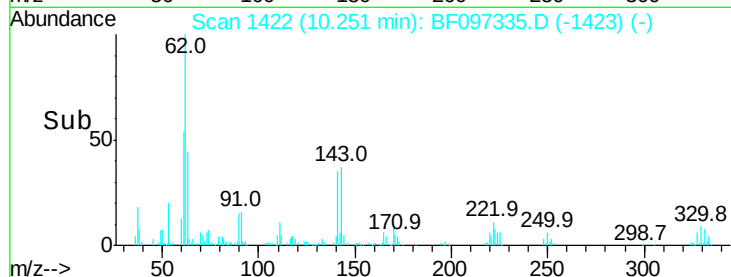
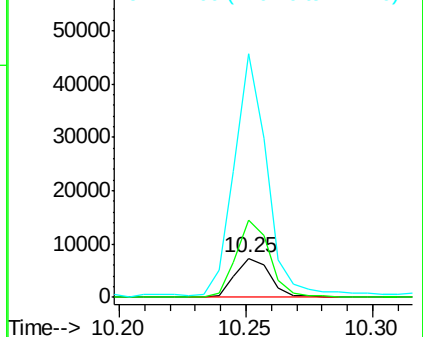
#66
 4-Bromophenyl-phenylether
 Concen: 3.192 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.31 min
 Lab File: BF097335.D
 Acq: 3 Aug 2017 23:52

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-H

Tot Ion:248 Resp: 7093
 Ion Ratio Lower Upper
 248 100
 250 198.1 76.8 115.2#
 141 626.8 68.6 103.0#

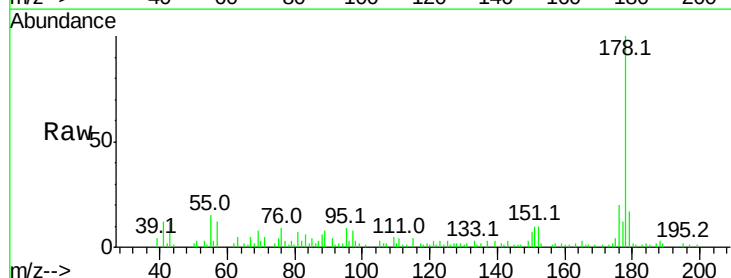


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

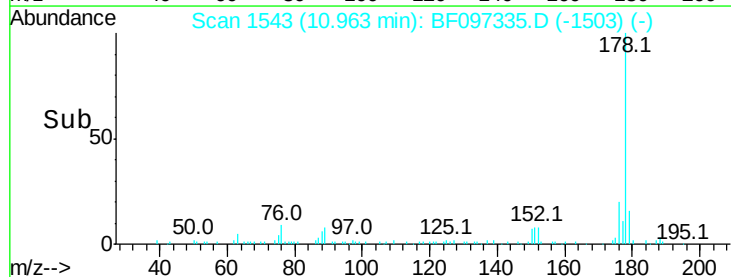
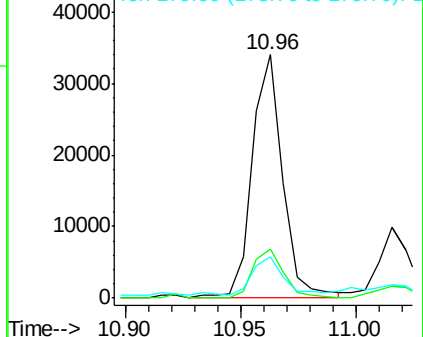


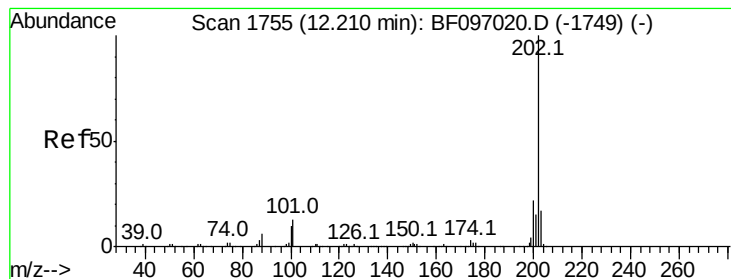
#70
 Phenanthrene
 Concen: 2.645 ng
 RT: 10.96 min Scan# 1543
 Delta R.T. -0.06 min
 Lab File: BF097335.D
 Acq: 3 Aug 2017 23:52

Tgt Ion:178 Resp: 31556
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 17.0 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: 4.484 ng

RT: 12.15 min Scan# 1744

Delta R.T. -0.06 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-H

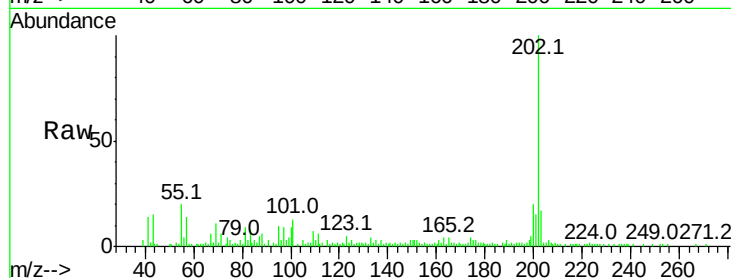
Tot Ion:202 Resp: 52416

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.2

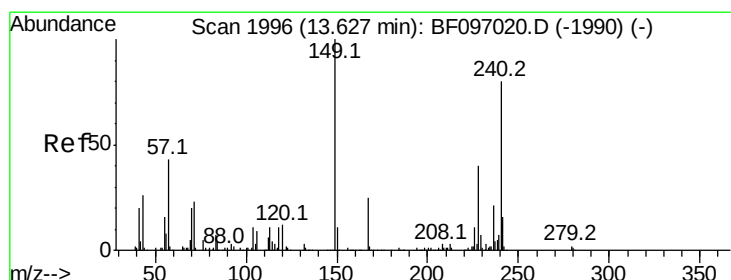
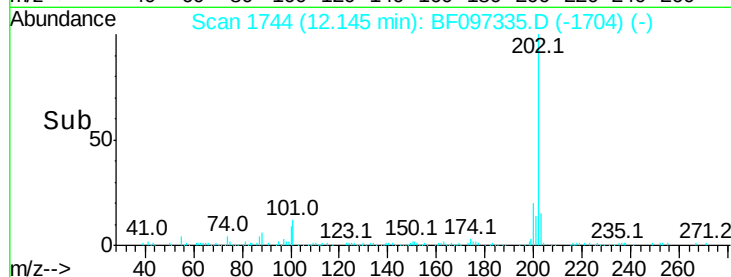
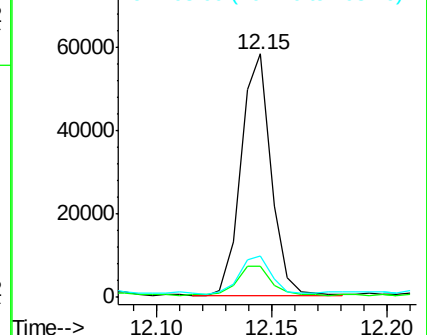
203 17.1 0.0 38.1



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: 20.000 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.06 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

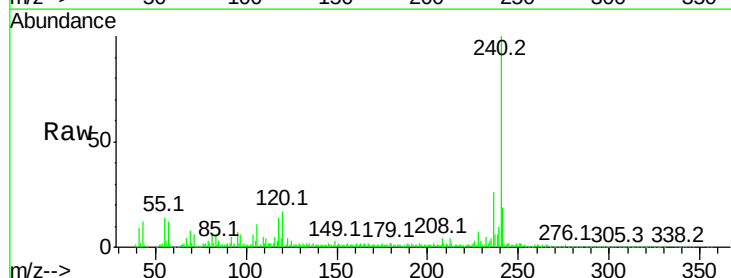
Tgt Ion:240 Resp: 186546

Ion Ratio Lower Upper

240 100

120 16.8 5.8 8.8#

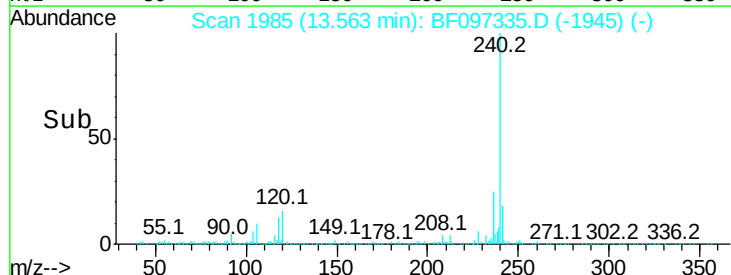
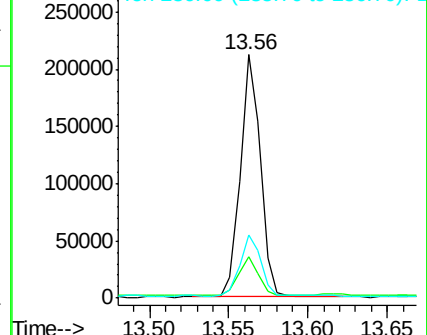
236 25.8 20.5 30.7

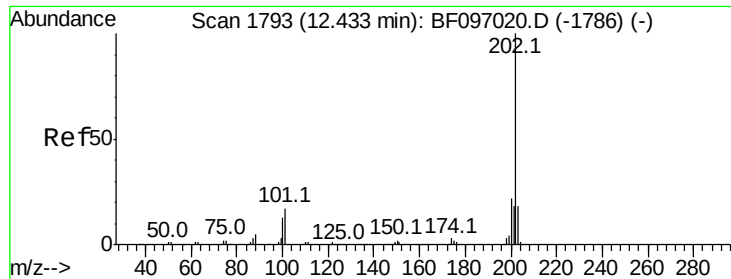


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

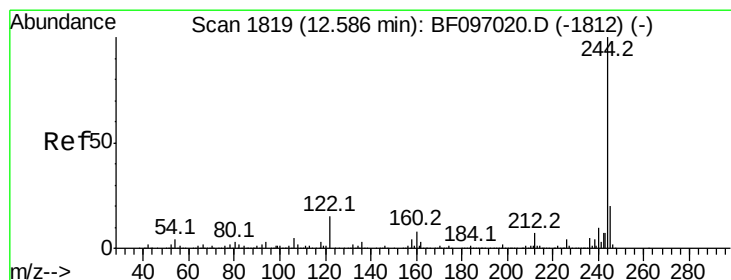
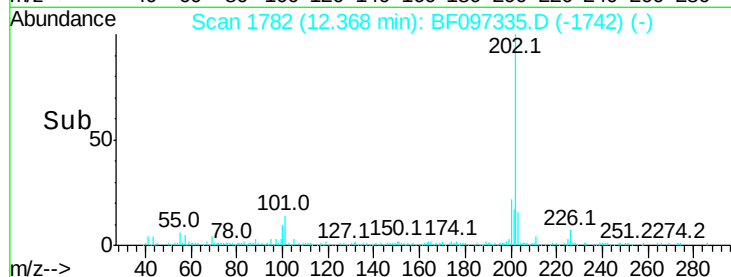
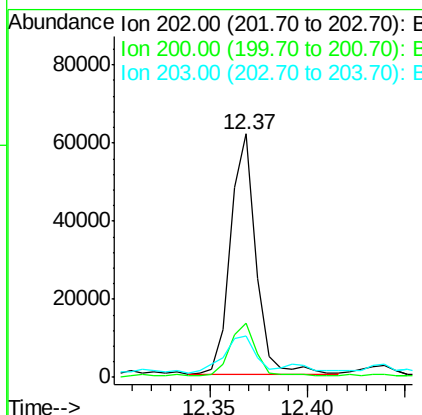
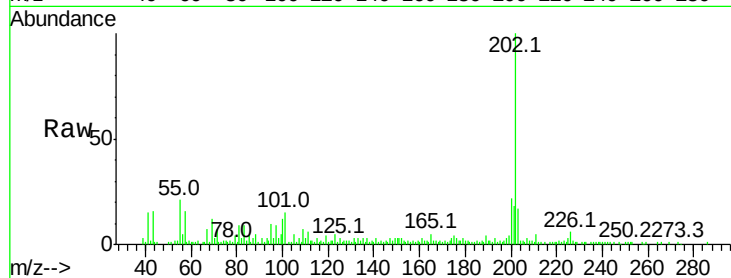




#77
Pvrene
Concen: 3.613 ng
RT: 12.37 min Scan# 1782
Delta R.T. -0.06 min
Lab File: BF097335.D
Acq: 3 Aug 2017 23:52

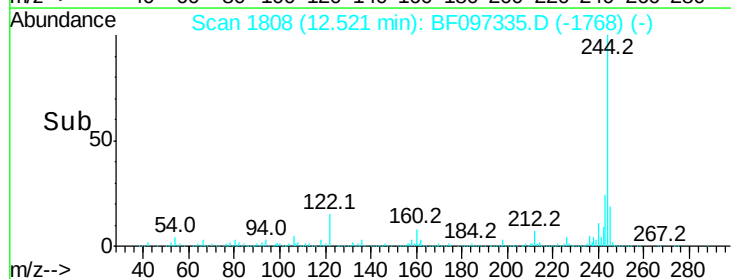
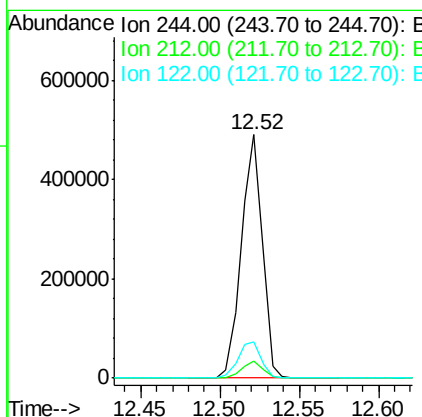
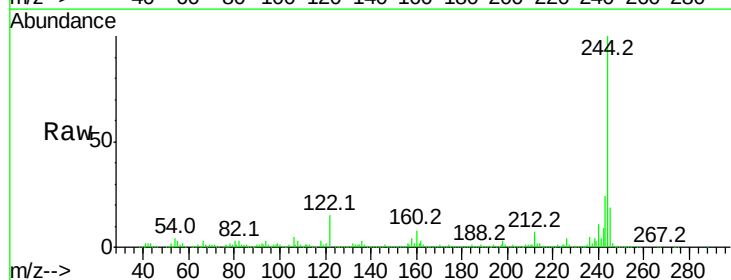
Instrument :
BNA_F
ClientSampleId :
JC-02-080117-H

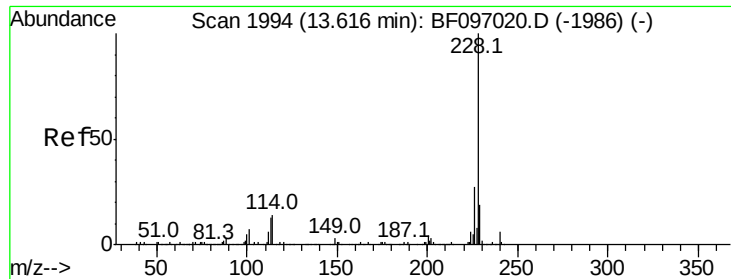
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.6	26.4
203	17.1	14.4	21.6



#78
Terphenyl-d14
Concen: 48.748 ng
RT: 12.52 min Scan# 1808
Delta R.T. -0.06 min
Lab File: BF097335.D
Acq: 3 Aug 2017 23:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.9	10.3	15.5

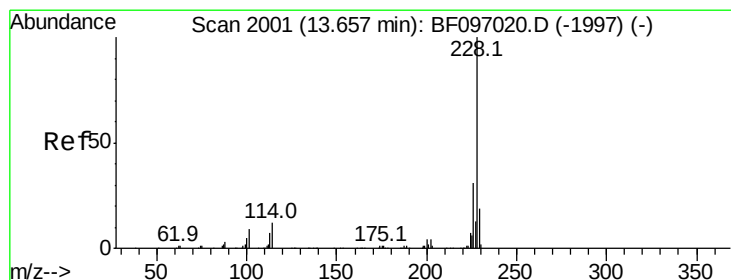
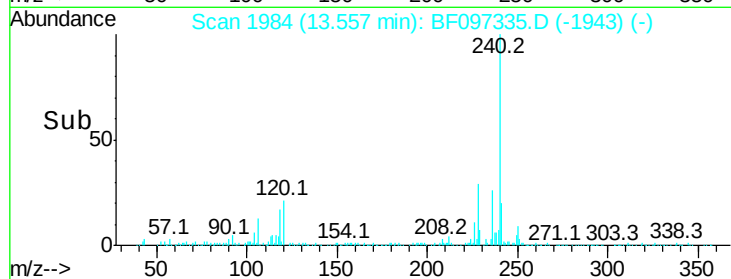
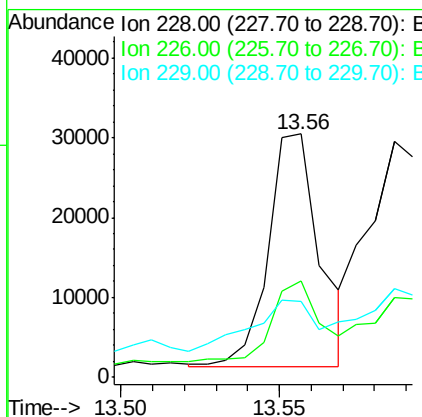
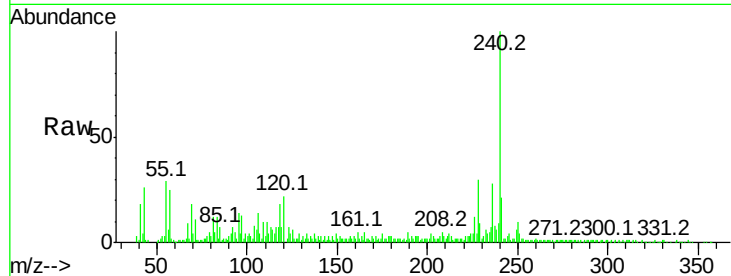




#80
Benzo(a)anthracene
Concen: 2.735 ng
RT: 13.56 min Scan# 1984
Delta R.T. -0.06 min
Lab File: BF097335.D
Acq: 3 Aug 2017 23:52

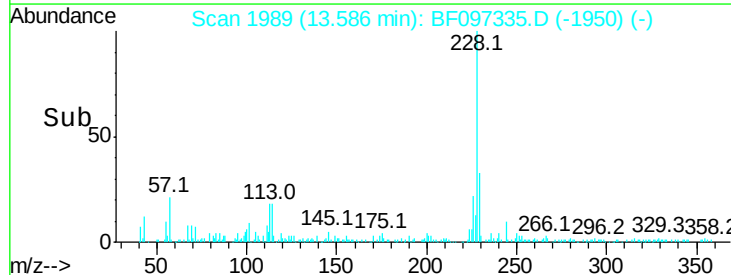
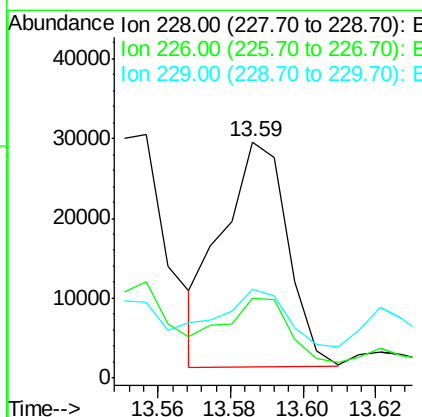
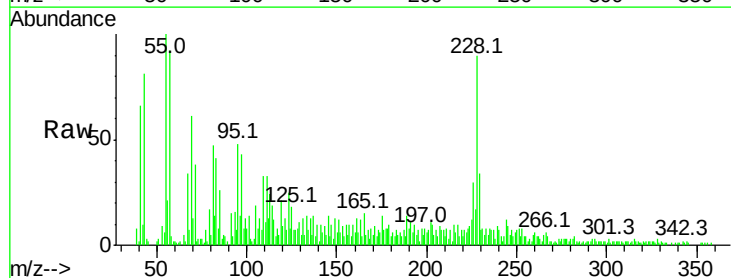
Instrument :
BNA_F
ClientSampleId :
JC-02-080117-H

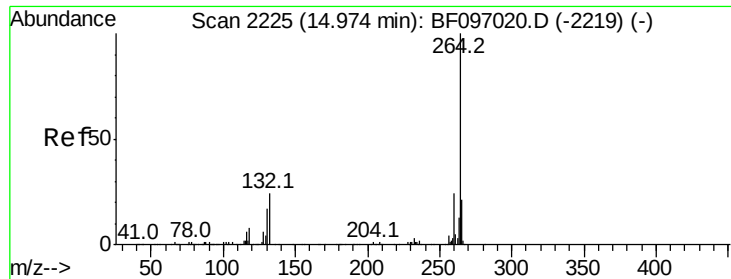
Tot Ion:228 Resp: 33008
Ion Ratio Lower Upper
228 100
226 39.4 22.6 33.8#
229 31.4 16.3 24.5#



#82
Chrysene
Concen: 3.003 ng
RT: 13.59 min Scan# 1989
Delta R.T. -0.07 min
Lab File: BF097335.D
Acq: 3 Aug 2017 23:52

Tgt Ion:228 Resp: 35394
Ion Ratio Lower Upper
228 100
226 33.8 24.9 37.3
229 37.4 15.8 23.6#

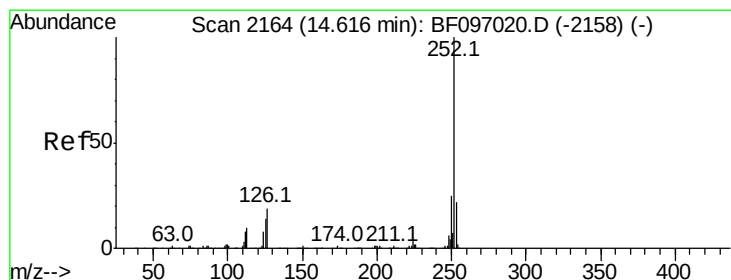
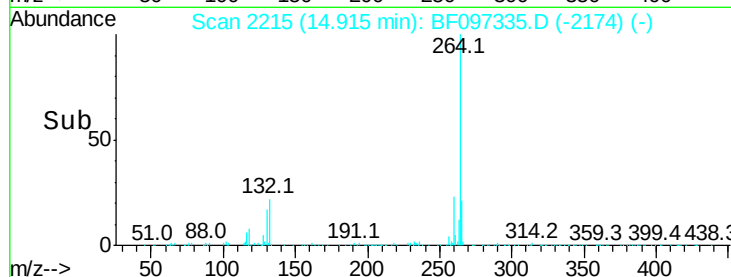
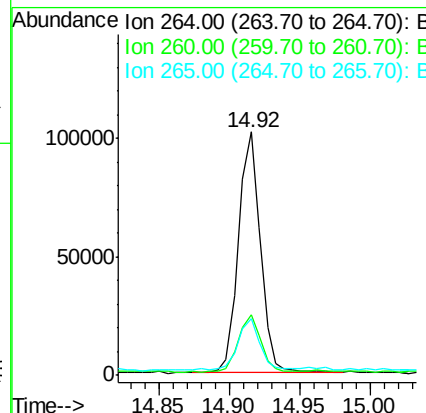
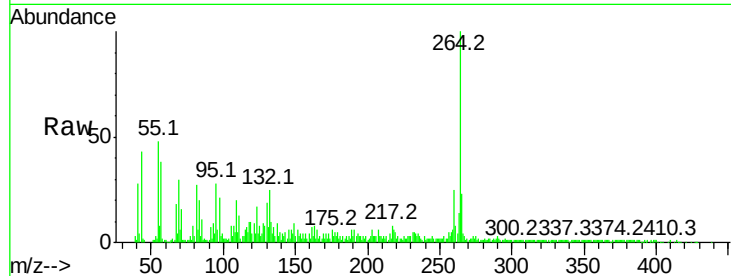




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097335.D
Acq: 3 Aug 2017 23:52

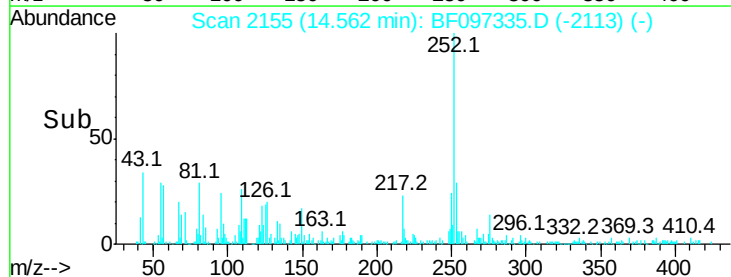
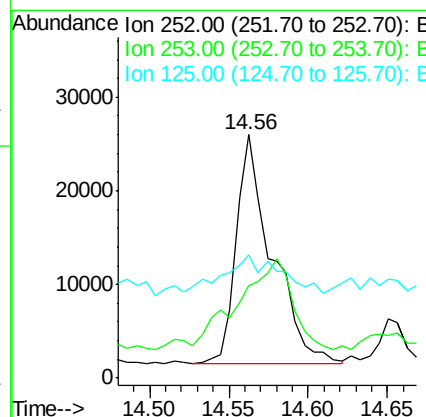
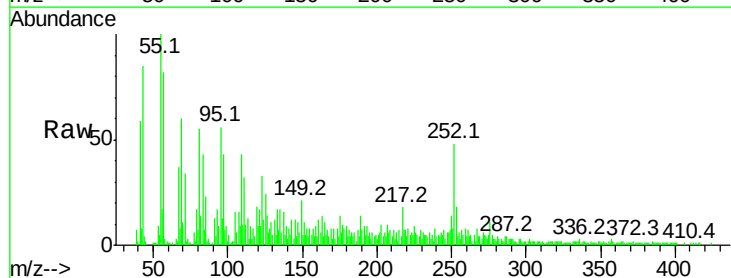
Instrument :
BNA_F
ClientSampleId :
JC-02-080117-H

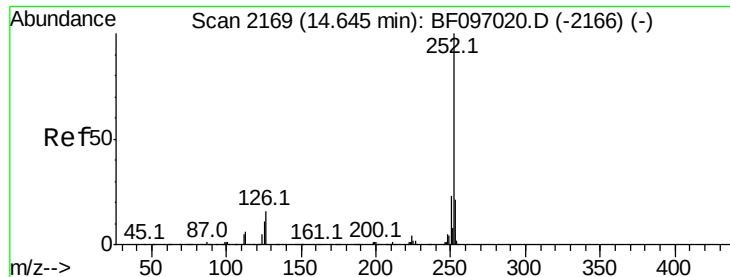
Tot Ion:264 Resp: 110002
Ion Ratio Lower Upper
264 100
260 24.8 19.5 29.3
265 23.1 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.804 ng
RT: 14.56 min Scan# 2155
Delta R.T. -0.05 min
Lab File: BF097335.D
Acq: 3 Aug 2017 23:52

Tgt Ion:252 Resp: 38382
Ion Ratio Lower Upper
252 100
253 38.0 18.1 27.1#
125 50.8 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 6.091 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.08 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-H

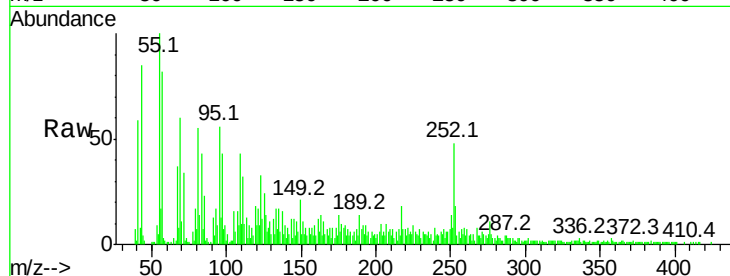
Tot Ion:252 Resp: 38382

Ion Ratio Lower Upper

252 100

253 38.0 18.4 27.6#

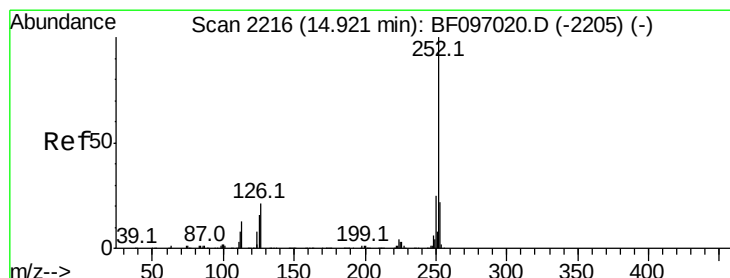
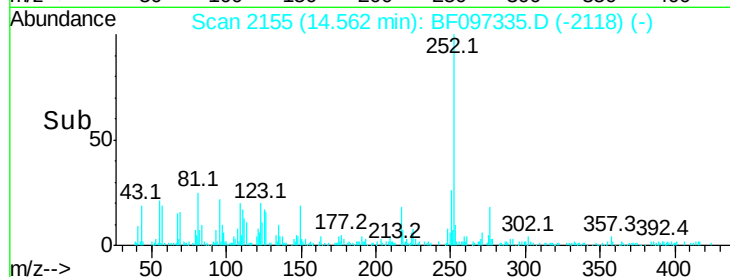
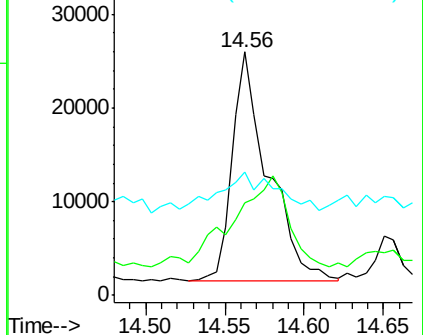
125 50.8 13.1 19.7#



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



#89

Benzo(a)pyrene

Concen: 3.185 ng

RT: 14.86 min Scan# 2206

Delta R.T. -0.06 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

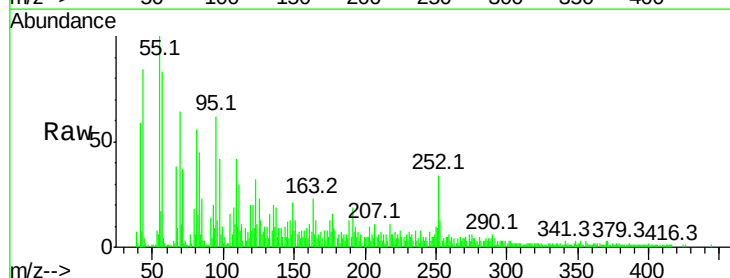
Tgt Ion:252 Resp: 19274

Ion Ratio Lower Upper

252 100

253 37.5 17.5 26.3#

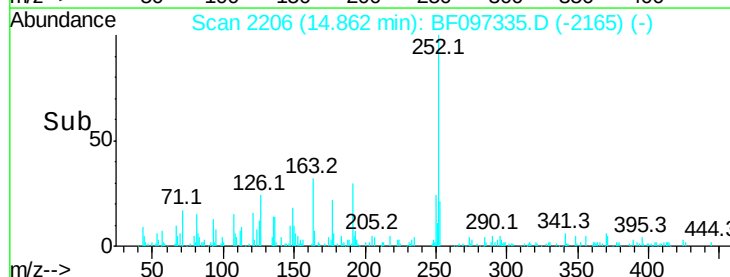
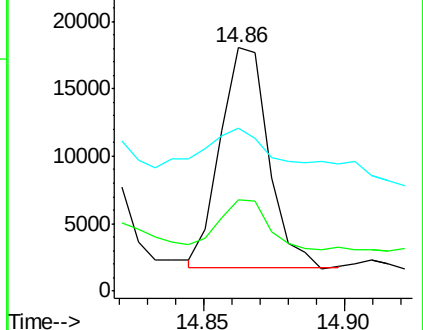
125 66.9 11.0 16.4#

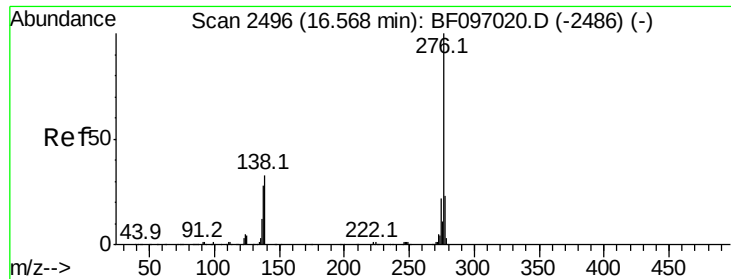


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.365 ng

RT: 16.49 min Scan# 2483

Delta R.T. -0.08 min

Lab File: BF097335.D

Acq: 3 Aug 2017 23:52

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-H

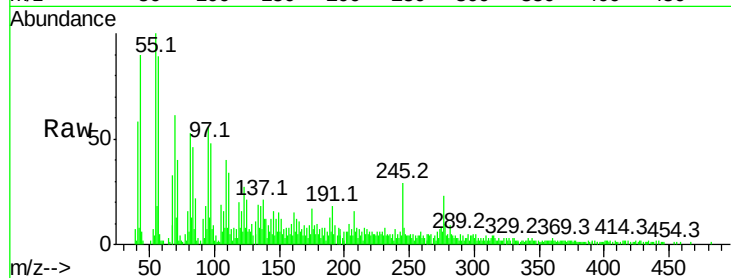
Tot Ion:276 Resp: 12309

Ion Ratio Lower Upper

276 100

277 44.0 18.6 28.0#

138 51.5 25.4 38.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

