

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096098.D
 Acq On : 21 Jun 2017 22:32
 Operator : SJ/MA
 Sample : I3736-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 01:07:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

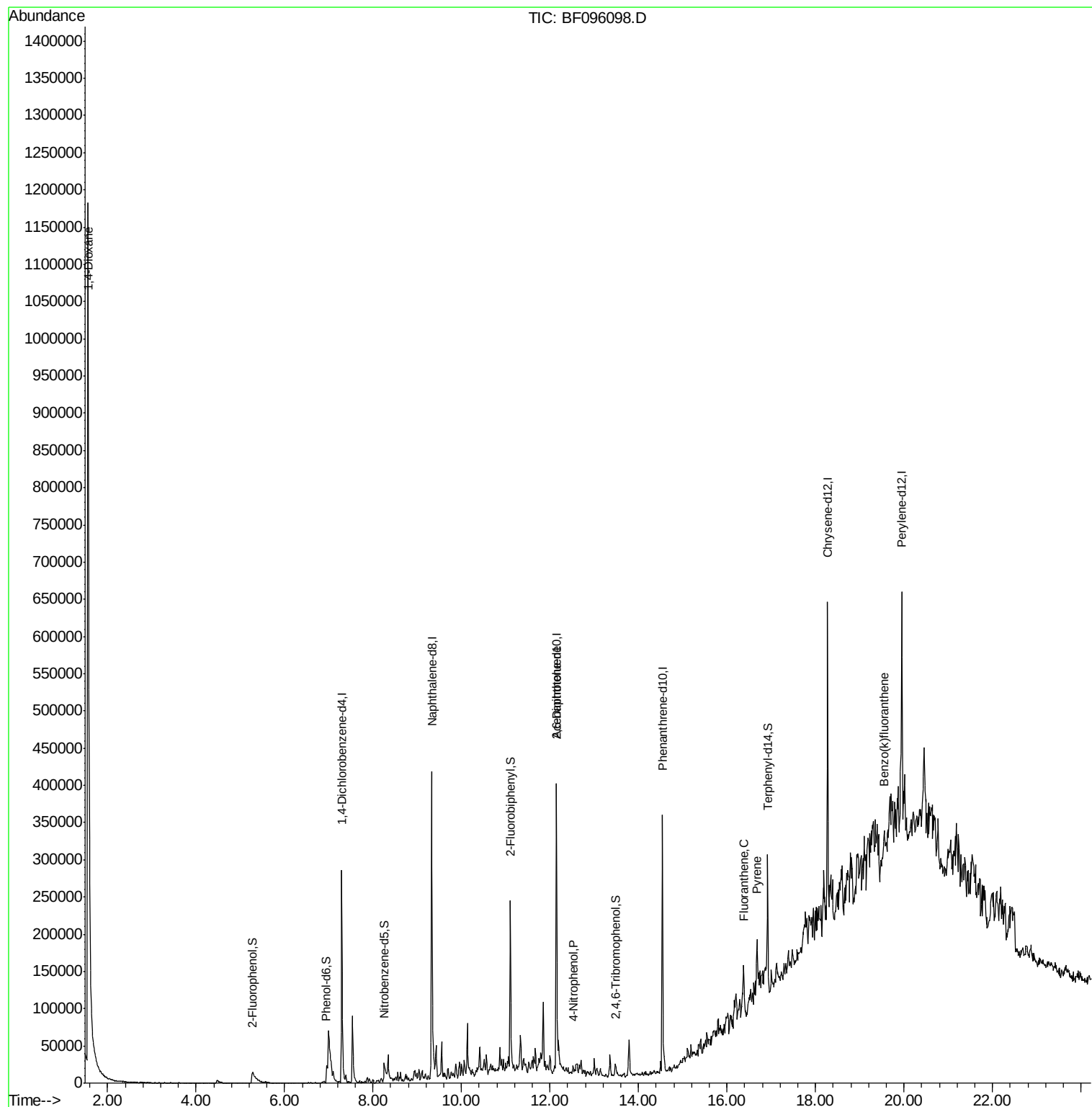
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	76371	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	327481	20.00	ng	0.00
38) Acenaphthene-d10	12.15	164	109435	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	178012	20.00	ng	0.00
75) Chrysene-d12	18.27	240	177335	20.00	ng	0.00
86) Perylene-d12	19.95	264	113081	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	20423	4.26	ng	0.11
7) Phenol-d6	6.96	99	29534	5.15	ng	0.08
23) Nitrobenzene-d5	8.26	82	38329	7.27	ng	0.04
41) 2,4,6-Tribromophenol	13.48	330	5009	5.17	ng	0.03
44) 2-Fluorobiphenyl	11.10	172	75179	9.56	ng	0.00
78) Terphenyl-d14	16.92	244	59548	8.33	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.56	88	64161	28.14	ng	# 22
50) 2,6-Dinitrotoluene	12.15	165	15114	8.34	ng	# 31
55) 4-Nitrophenol	12.52	139	504	5.01	ng	# 22
74) Fluoranthene	16.37	202	31086	3.06	ng	97
77) Pyrene	16.67	202	30768	2.33	ng	# 93
88) Benzo(k)fluoranthene	19.55	252	13811	2.04	ng	# 50

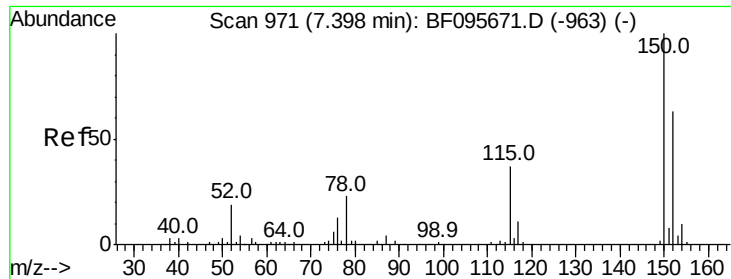
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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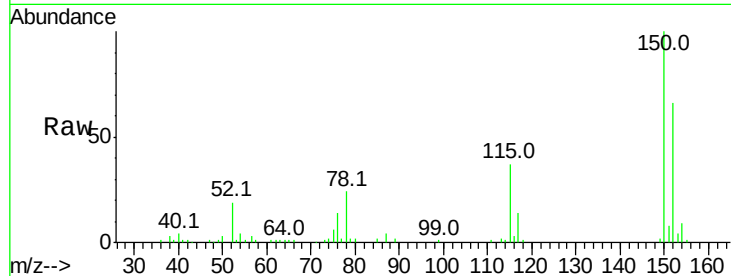


#1

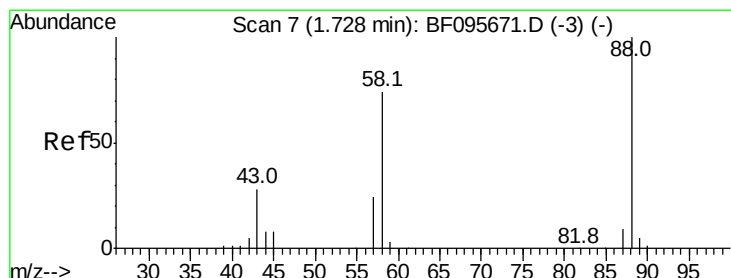
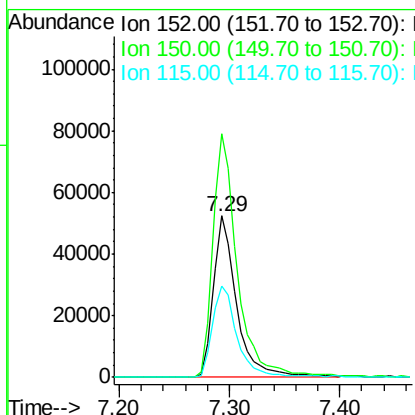
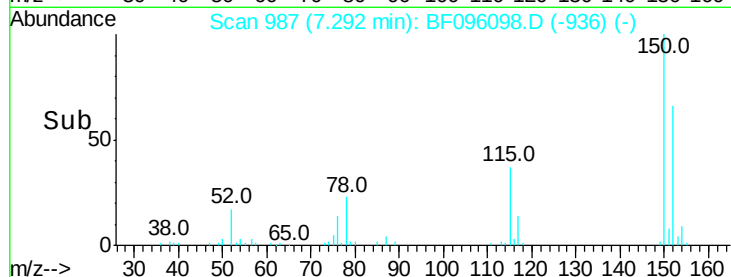
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096098.D
Acq: 21 Jun 2017 22:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 76371
Ion Ratio Lower Upper
152 100
150 150.7 126.2 189.2
115 56.3 52.2 78.2



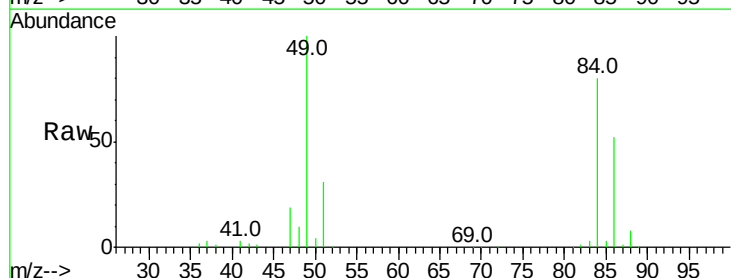
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



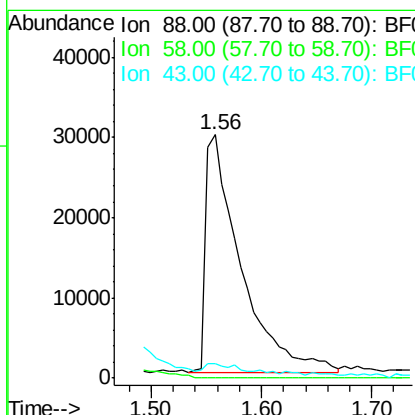
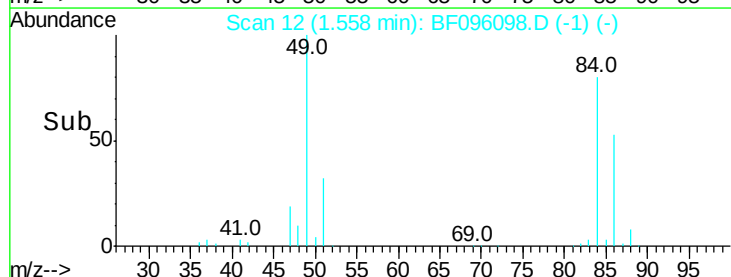
#2

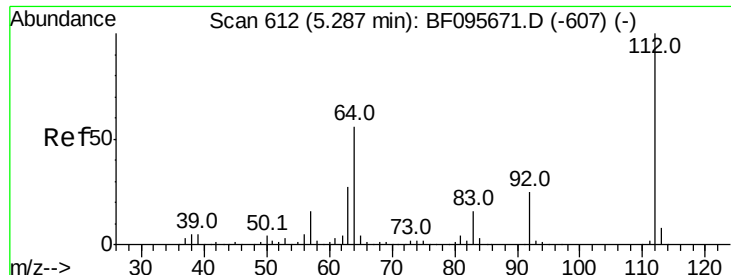
1,4-Dioxane
Concen: 28.14 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.05 min
Lab File: BF096098.D
Acq: 21 Jun 2017 22:32

Tgt Ion: 88 Resp: 64161
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 2.3 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 4.26 ng

RT: 5.29 min Scan# 646

Delta R.T. 0.11 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

Instrument :

BNA_F

ClientSampled :

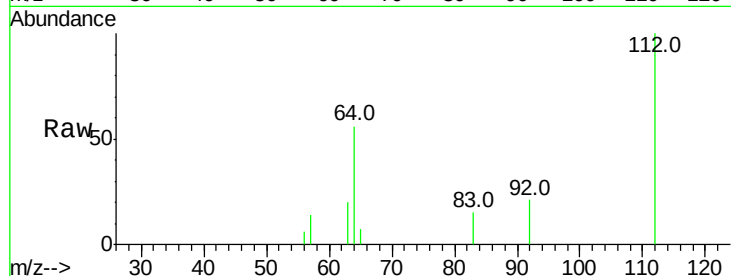
Tot Ion:112 Resp: 20423

Ion Ratio Lower Upper

112 100

64 55.7 46.0 69.0

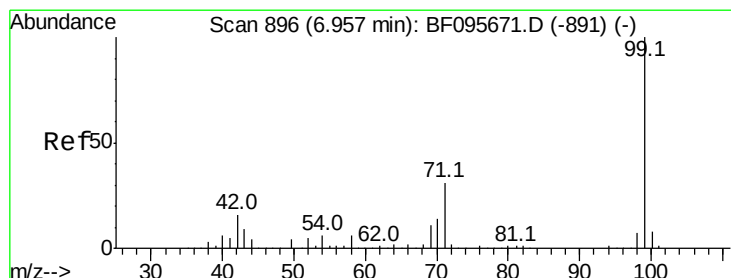
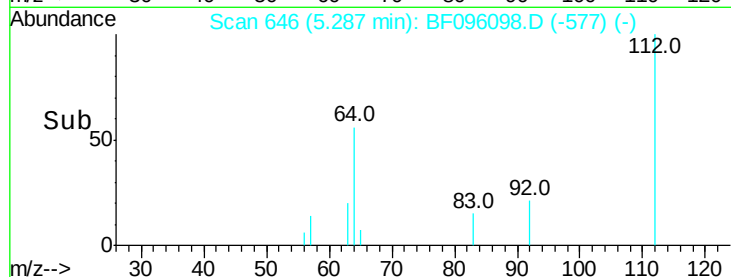
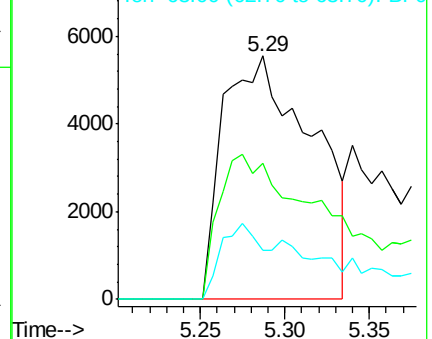
63 20.3 23.4 35.0#



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: 5.15 ng

RT: 6.96 min Scan# 930

Delta R.T. 0.08 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

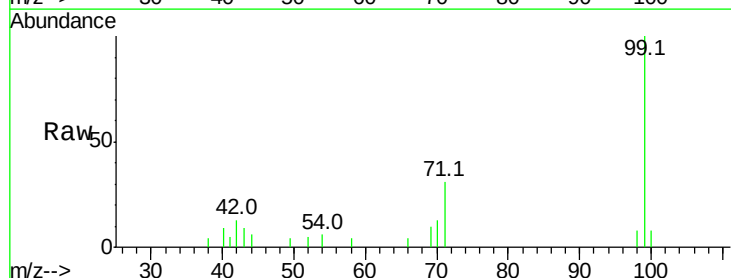
Tgt Ion: 99 Resp: 29534

Ion Ratio Lower Upper

99 100

42 13.0 13.5 20.3#

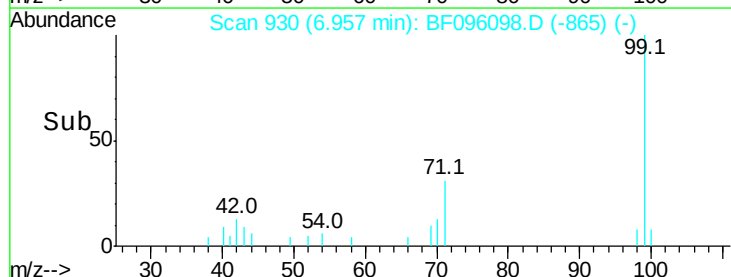
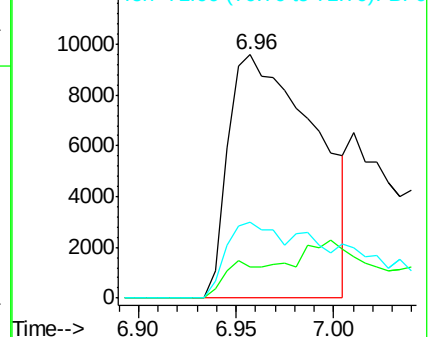
71 31.3 24.5 36.7

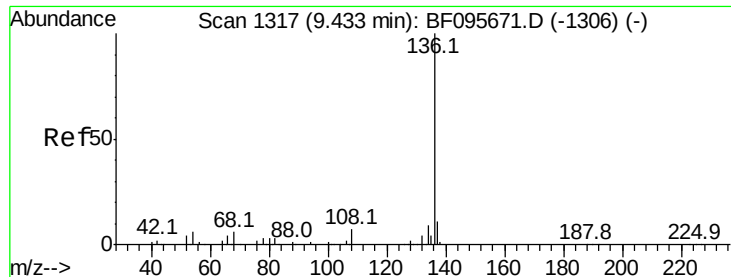


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 327481

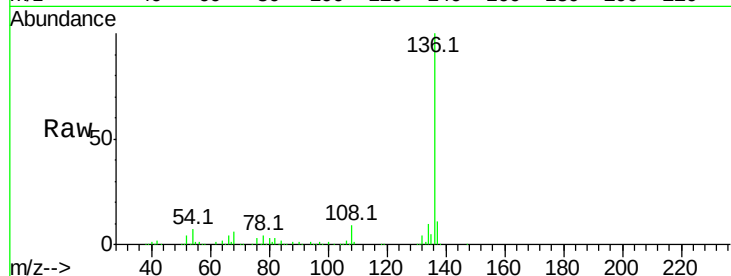
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.9 4.9 7.3

68 5.8 4.1 6.1

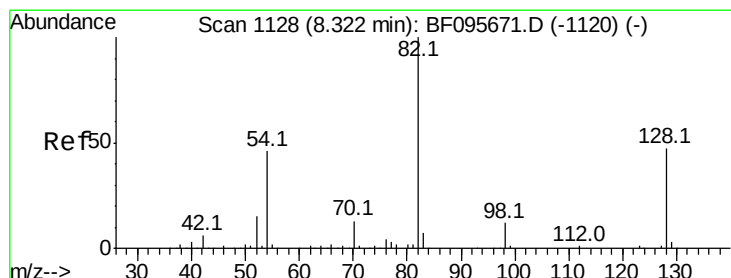
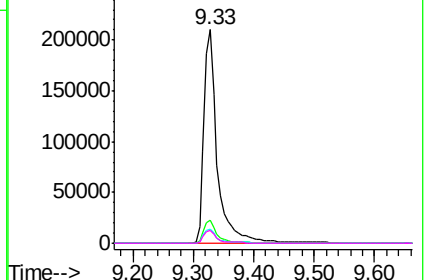
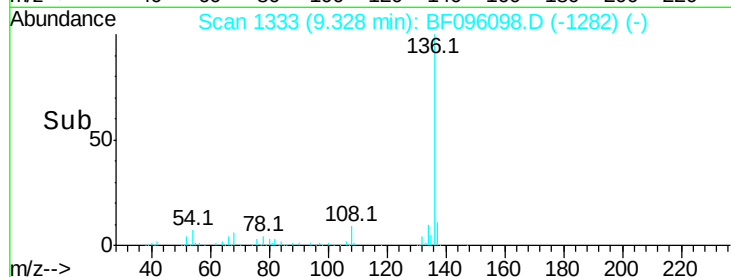


Abundance Ion 136.00 (135.70 to 136.70): E

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: 7.27 ng

RT: 8.26 min Scan# 1151

Delta R.T. 0.04 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

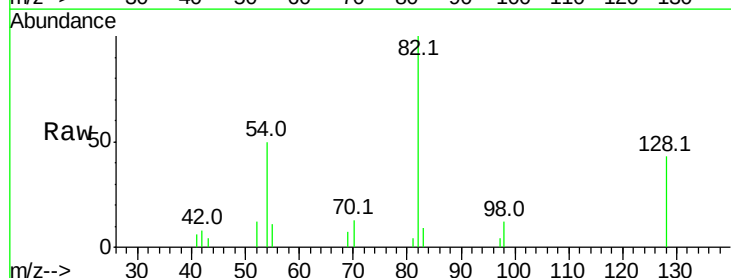
Tgt Ion: 82 Resp: 38329

Ion Ratio Lower Upper

82 100

128 43.0 34.0 51.0

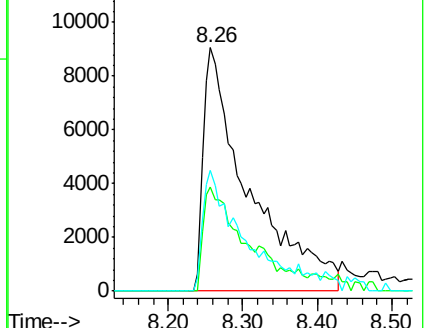
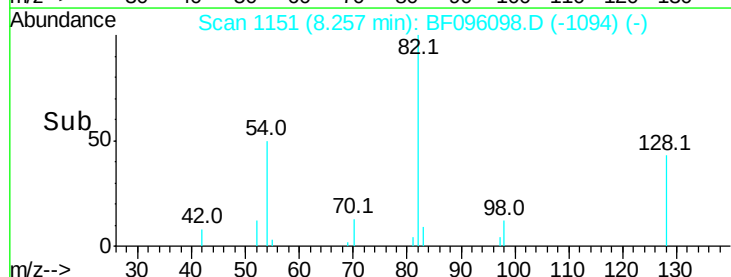
54 49.5 42.2 63.2

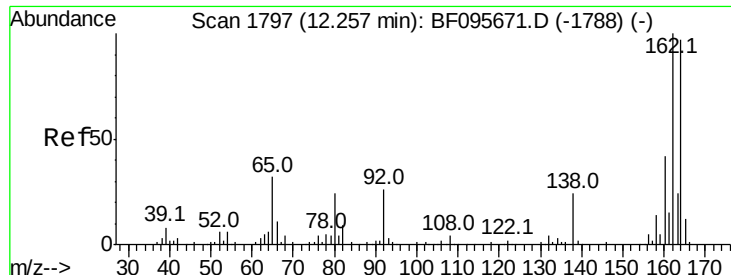


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.15 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

Instrument :

BNA_F

ClientSampleId :

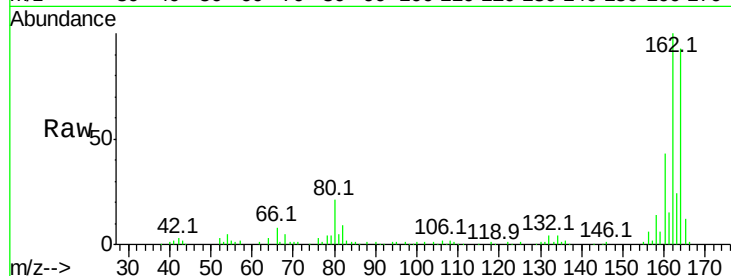
Tot Ion:164 Resp: 109435

Ion Ratio Lower Upper

164 100

162 107.6 82.6 123.8

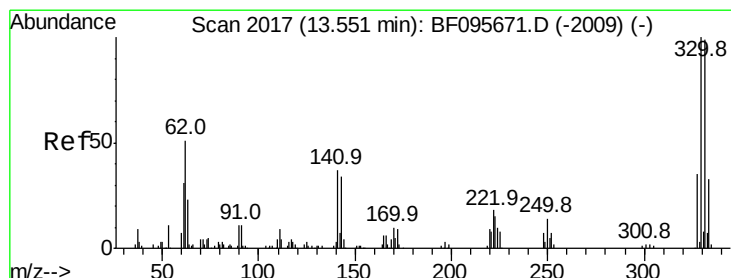
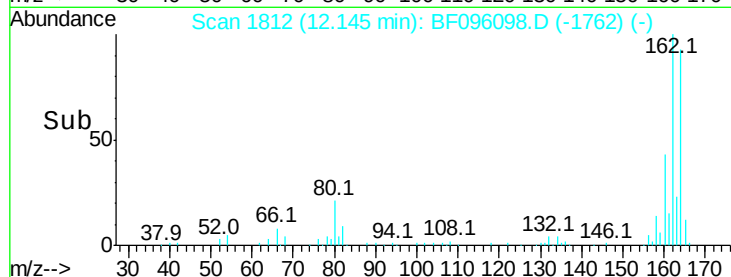
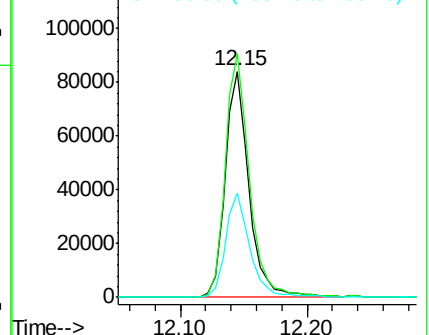
160 46.0 36.2 54.2



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: 5.17 ng

RT: 13.48 min Scan# 2039

Delta R.T. 0.03 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

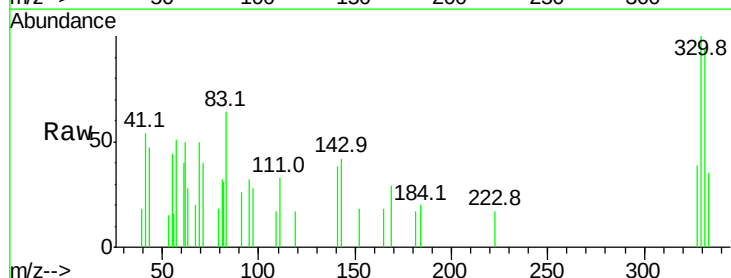
Tgt Ion:330 Resp: 5009

Ion Ratio Lower Upper

330 100

332 93.0 76.6 115.0

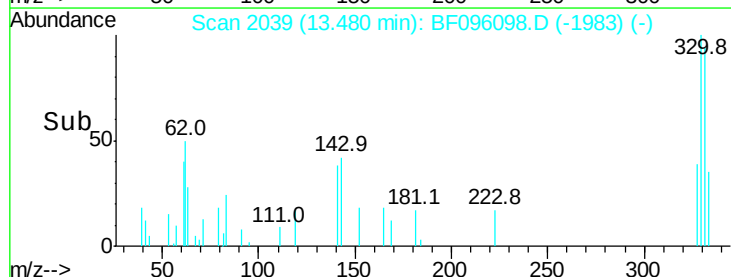
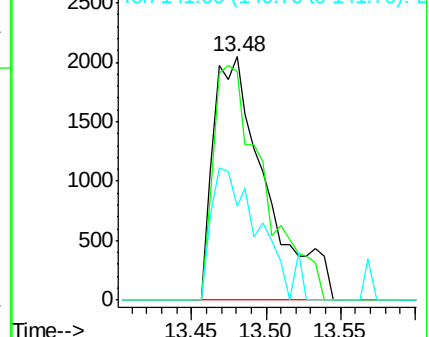
141 46.8 31.4 47.2

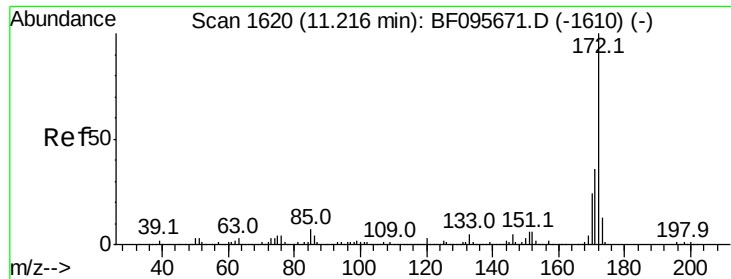


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

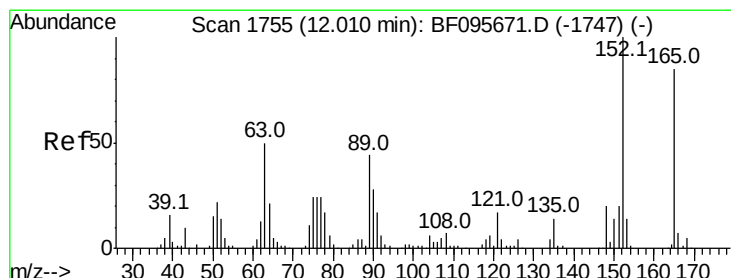
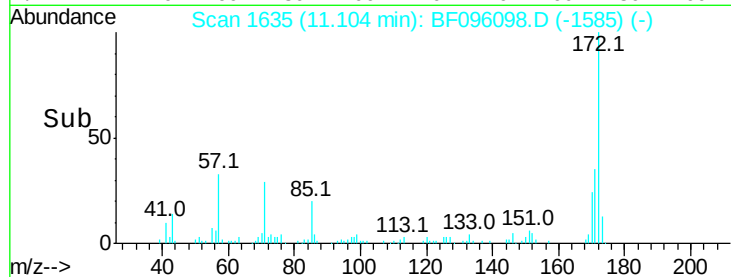
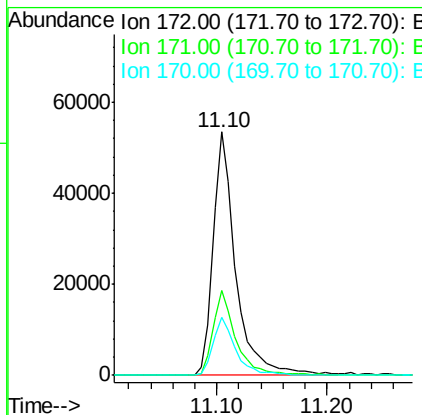
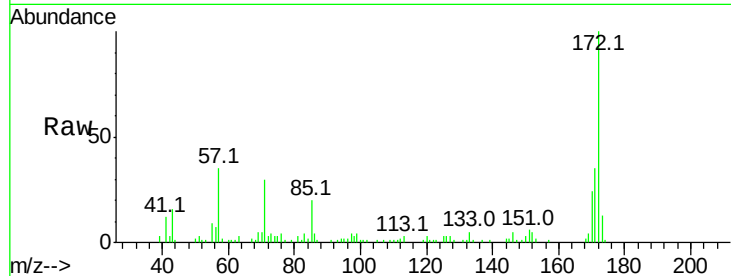




#44
 2-Fluorobiphenyl
 Concen: 9.56 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096098.D
 Acq: 21 Jun 2017 22:32

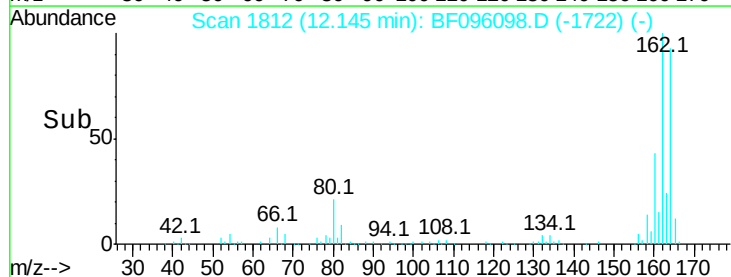
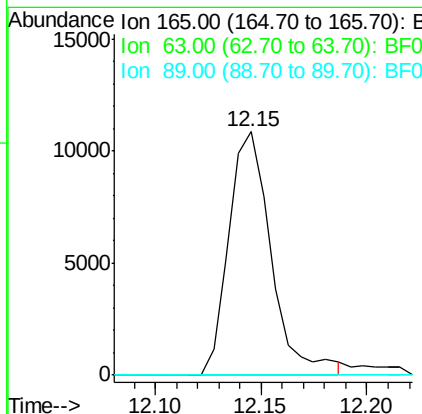
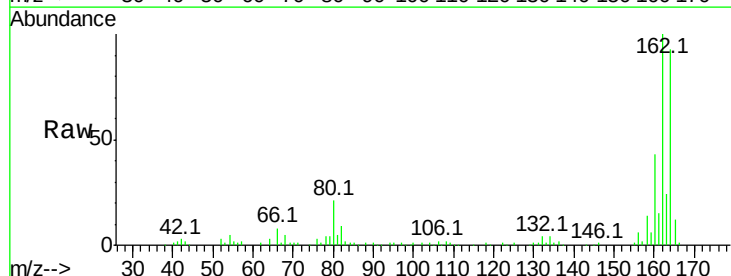
Instrument :
 BNA_F
 ClientSampleId :

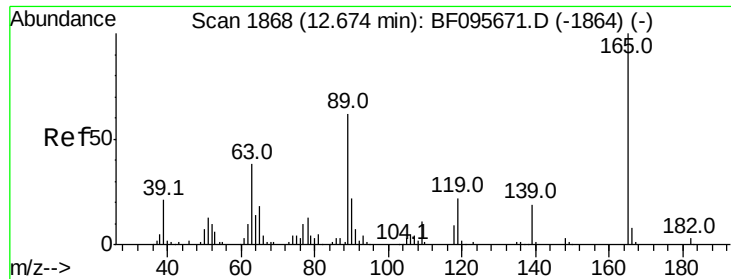
Tot Ion:172 Resp: 75179
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 24.0 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.34 ng
 RT: 12.15 min Scan# 1812
 Delta R.T. 0.23 min
 Lab File: BF096098.D
 Acq: 21 Jun 2017 22:32

Tgt Ion:165 Resp: 15114
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

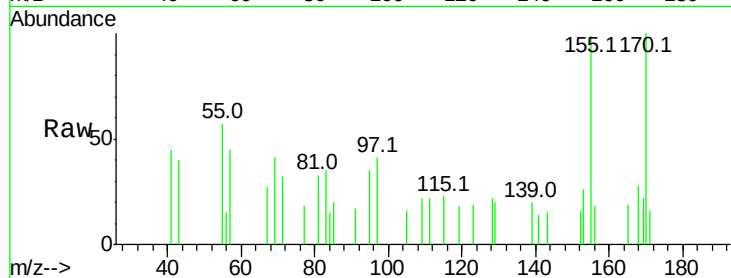




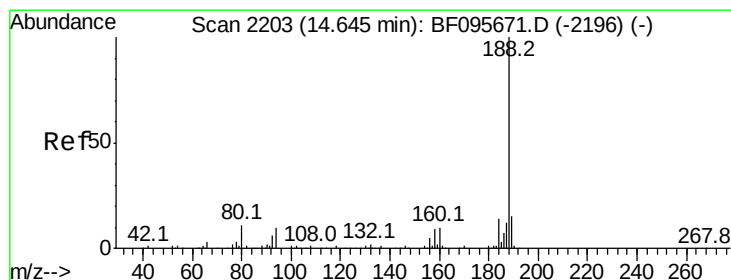
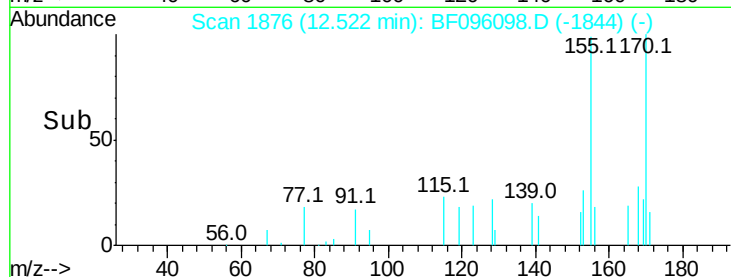
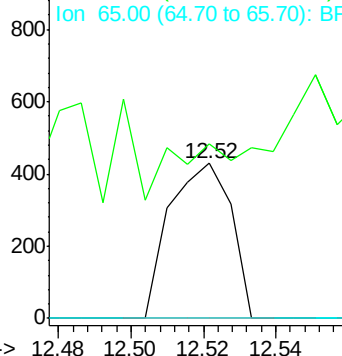
#55
4-Nitrophenol
Concen: 5.01 ng
RT: 12.52 min Scan# 1876
Delta R.T. -0.11 min
Lab File: BF096098.D
Acq: 21 Jun 2017 22:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 504
Ion Ratio Lower Upper
139 100
109 112.4 34.1 74.1#
65 0.0 31.4 71.4#

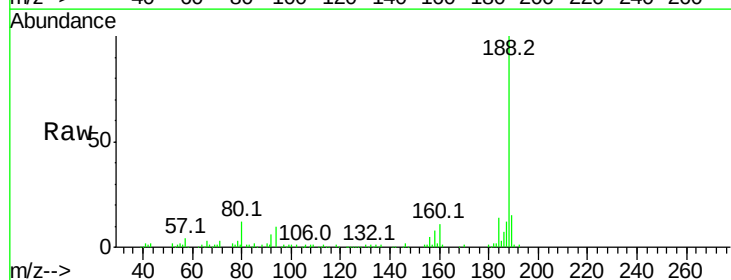


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

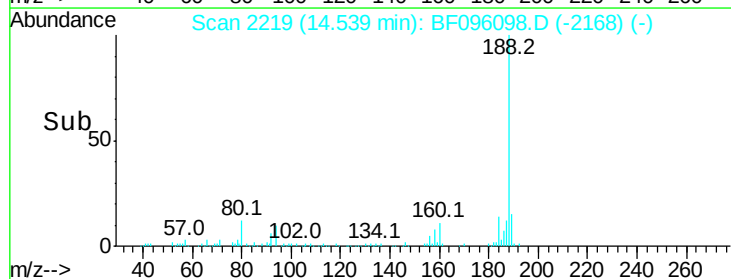
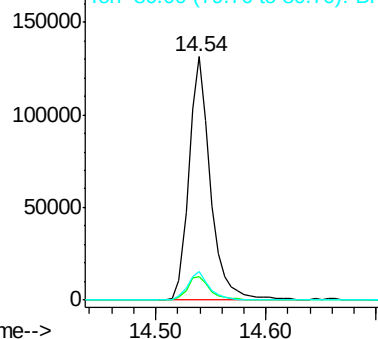


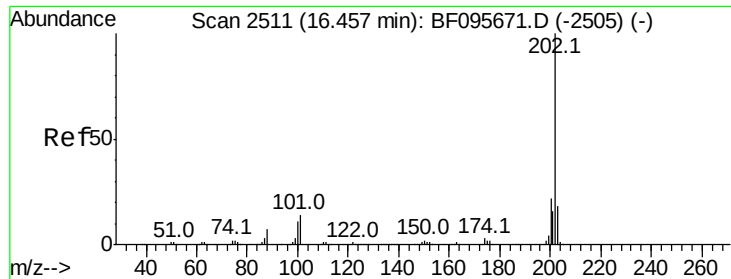
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096098.D
Acq: 21 Jun 2017 22:32

Tgt Ion:188 Resp: 178012
Ion Ratio Lower Upper
188 100
94 9.8 9.4 14.2
80 11.6 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





#74

Fluoranthene

Concen: 3.06 ng

RT: 16.37 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

Instrument :

BNA_F

ClientSampleId :

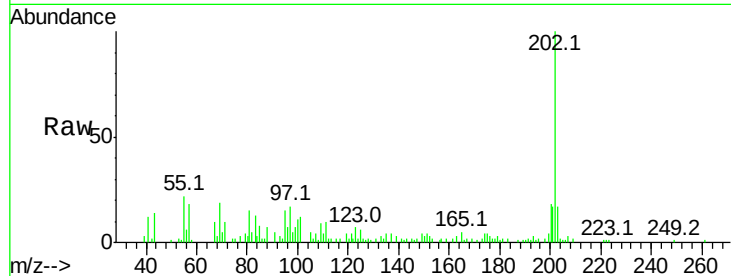
Tot Ion:202 Resp: 31086

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.2

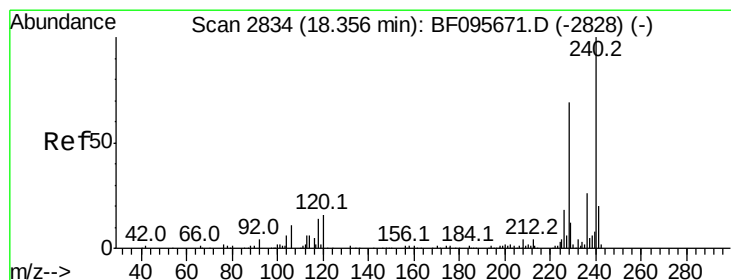
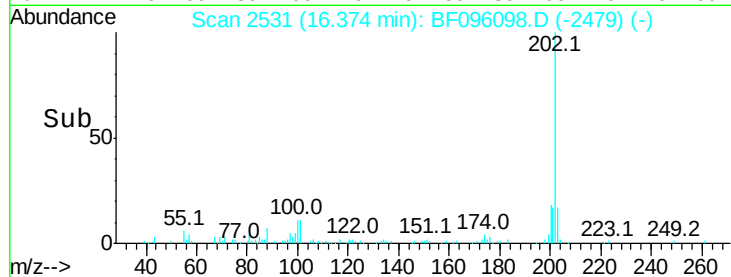
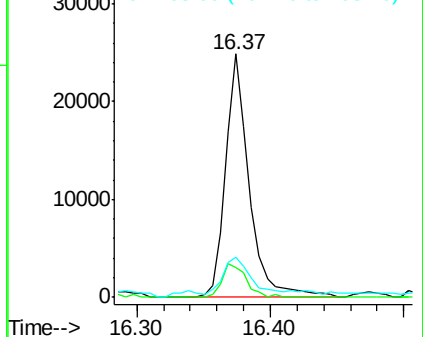
203 16.5 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

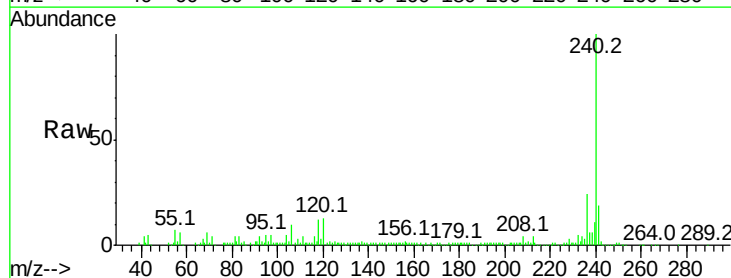
Tgt Ion:240 Resp: 177335

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

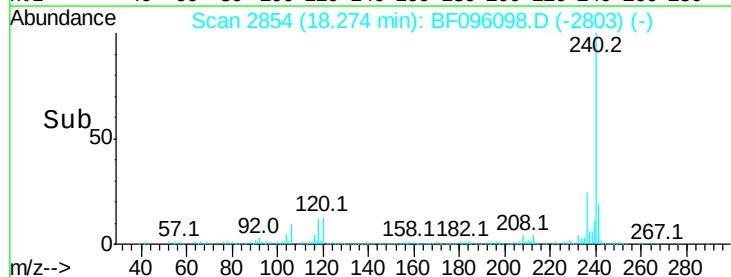
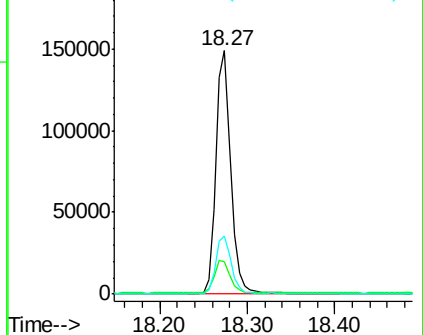
236 24.0 20.5 30.7

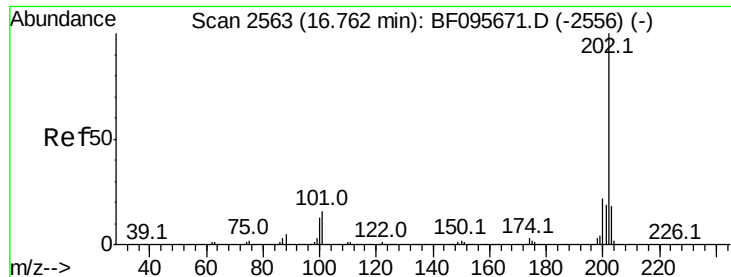


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.33 ng

RT: 16.67 min Scan# 2582

Delta R.T. 0.01 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

Instrument :

BNA_F

ClientSampleId :

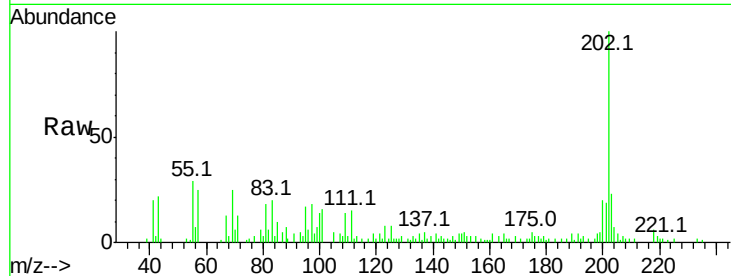
Tot Ion:202 Resp: 30768

Ion Ratio Lower Upper

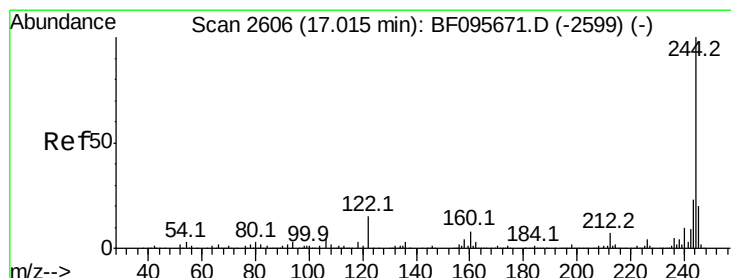
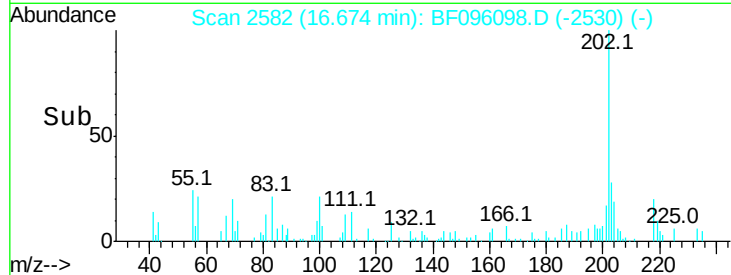
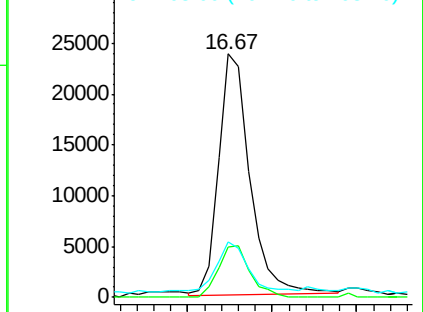
202 100

200 20.4 17.6 26.4

203 22.8 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: 8.33 ng

RT: 16.92 min Scan# 2624

Delta R.T. -0.01 min

Lab File: BF096098.D

Acq: 21 Jun 2017 22:32

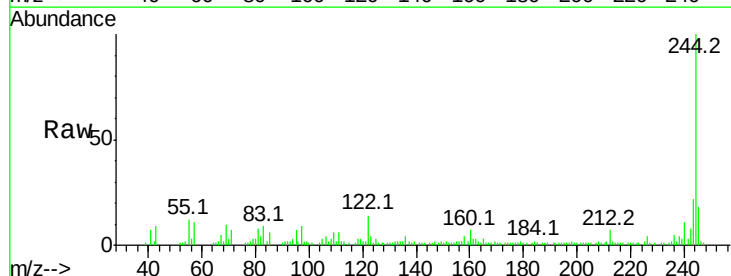
Tgt Ion:244 Resp: 59548

Ion Ratio Lower Upper

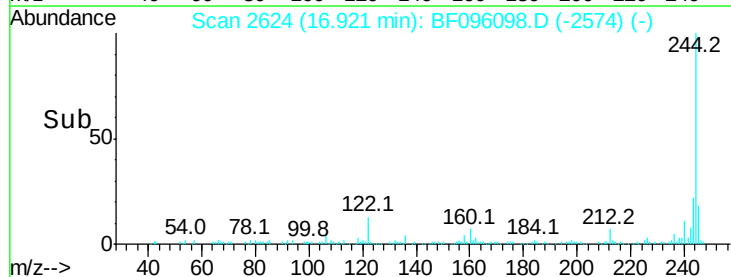
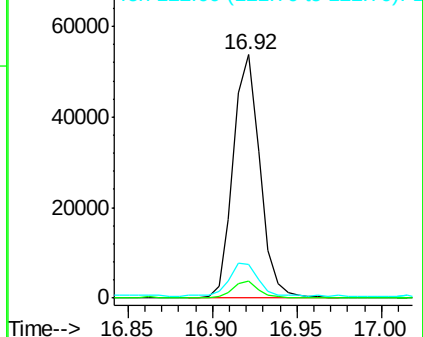
244 100

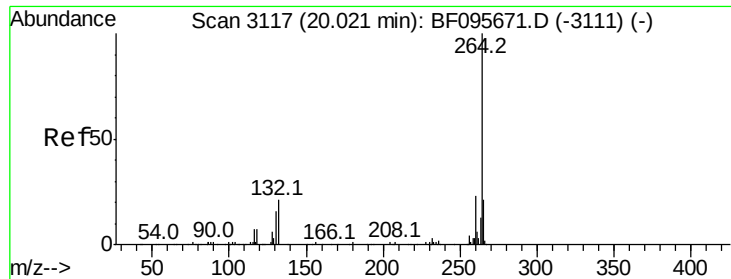
212 7.1 6.0 9.0

122 13.7 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

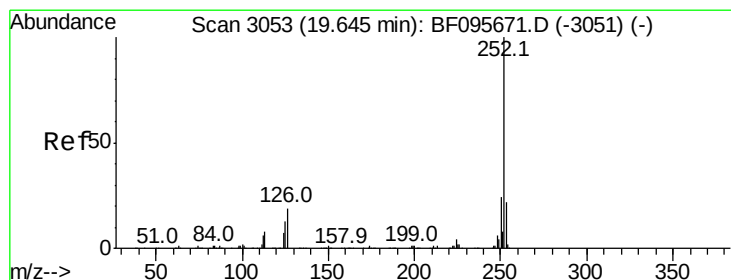
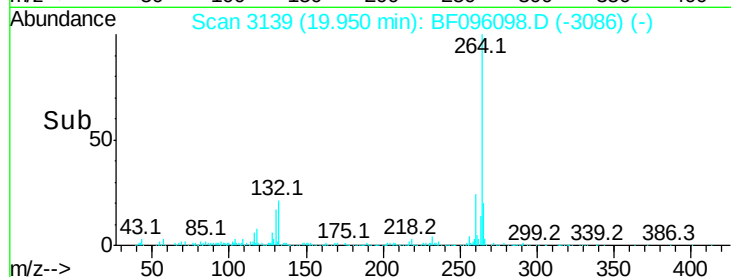
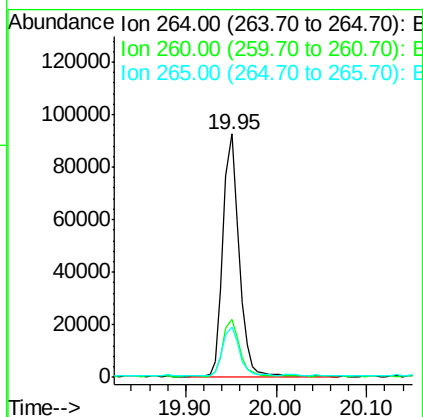
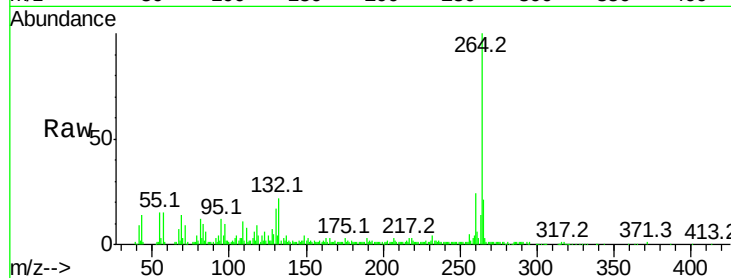




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.95 min Scan# 3139
Delta R.T. 0.01 min
Lab File: BF096098.D
Acq: 21 Jun 2017 22:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 113081
Ion Ratio Lower Upper
264 100
260 24.1 19.5 29.3
265 20.7 17.2 25.8



#88
Benzo(k)fluoranthene
Concen: 2.04 ng
RT: 19.55 min Scan# 3071
Delta R.T. -0.02 min
Lab File: BF096098.D
Acq: 21 Jun 2017 22:32

Tgt Ion:252 Resp: 13811
Ion Ratio Lower Upper
252 100
253 34.2 18.4 27.6#
125 54.3 13.1 19.7#

