

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096095.D
 Acq On : 21 Jun 2017 20:56
 Operator : SJ/MA
 Sample : I3802-01 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 01:06:15 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	69216	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	290088	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	137671	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	212644	20.00	ng	0.00
75) Chrysene-d12	18.27	240	146669	20.00	ng	0.00
86) Perylene-d12	19.94	264	104706	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	79128	18.22	ng	0.05
7) Phenol-d6	6.92	99	103237	19.85	ng	0.05
23) Nitrobenzene-d5	8.24	82	55045	11.78	ng	0.02
41) 2,4,6-Tribromophenol	13.46	330	18539	15.22	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	142481	14.40	ng	0.00
78) Terphenyl-d14	16.92	244	94906	16.06	ng	0.00

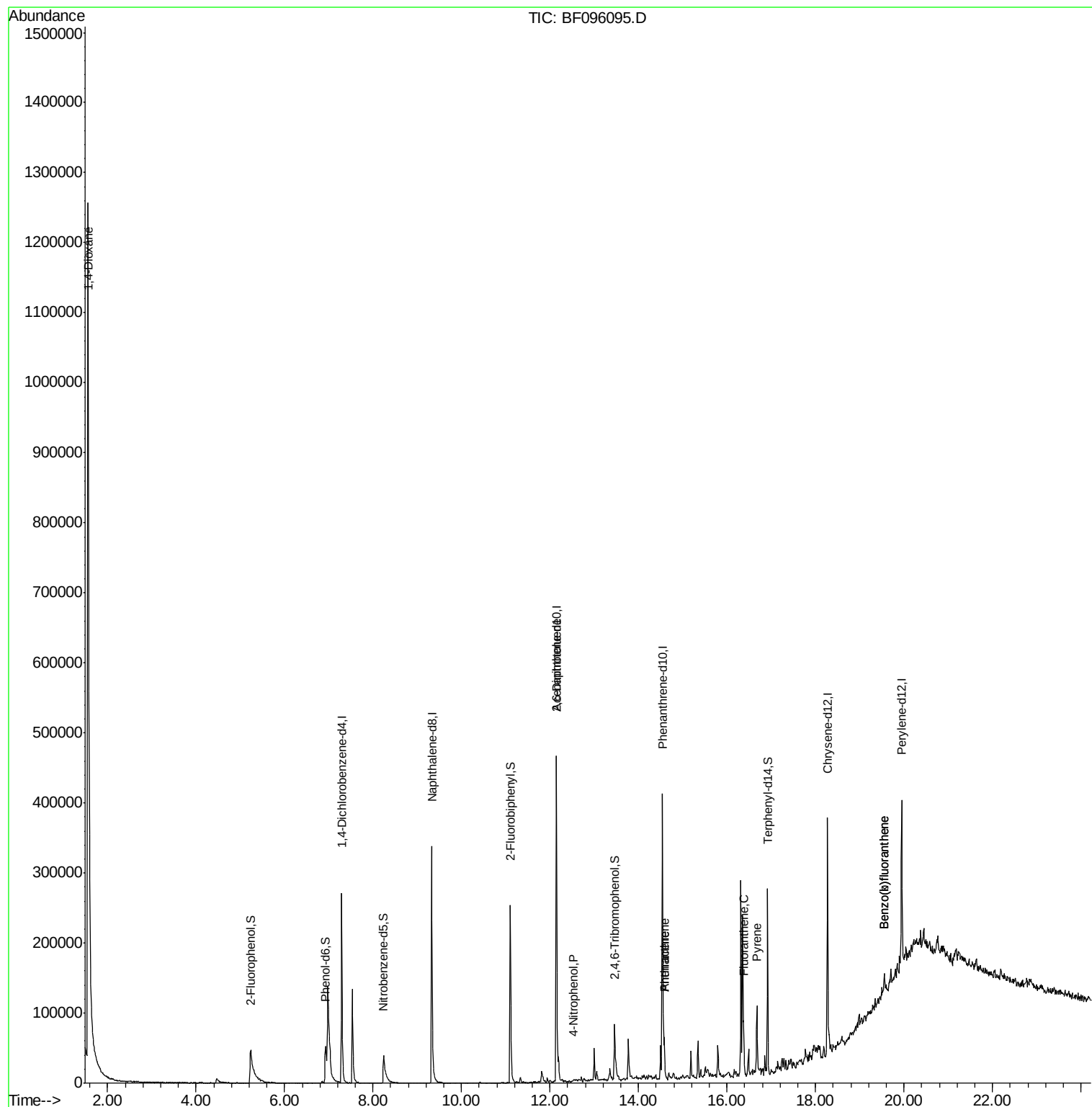
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.56	88	69801	33.78	ng	# 21
50) 2,6-Dinitrotoluene	12.14	165	17168	7.53	ng	# 31
55) 4-Nitrophenol	12.52	139	132	4.71	ng	# 25
70) Phenanthrene	14.58	178	36796	3.00	ng	96
71) Anthracene	14.58	178	36796	2.87	ng	96
74) Fluoranthene	16.37	202	42547	3.50	ng	97
77) Pyrene	16.67	202	45668	4.17	ng	96
87) Benzo(b)fluoranthene	19.56	252	13296	2.03	ng	# 73
88) Benzo(k)fluoranthene	19.56	252	13296	2.12	ng	# 77

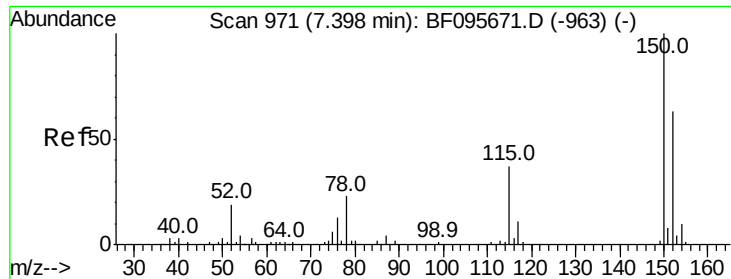
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
Data File : BF096095.D
Acq On : 21 Jun 2017 20:56
Operator : SJ/MA
Sample : I3802-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 22 01:06:15 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



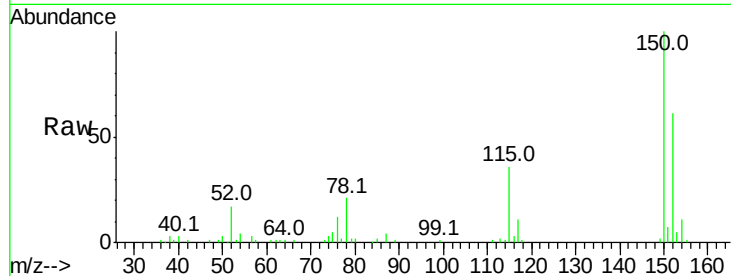


#1

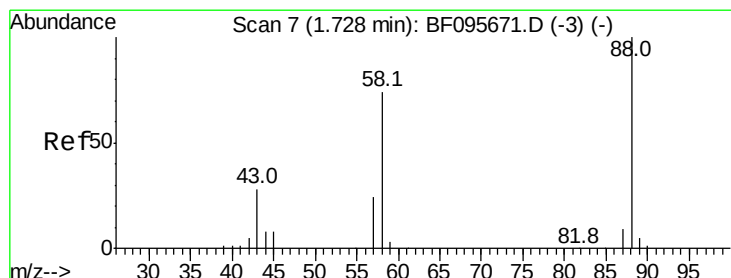
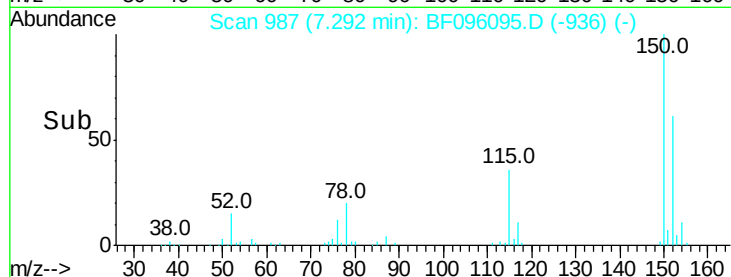
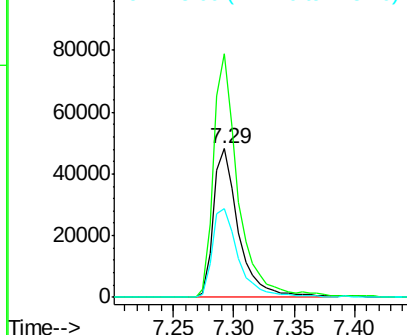
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 69216
Ion Ratio Lower Upper
152 100
150 163.8 126.2 189.2
115 59.5 52.2 78.2



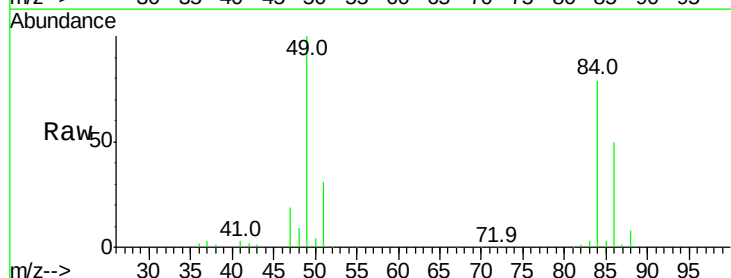
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



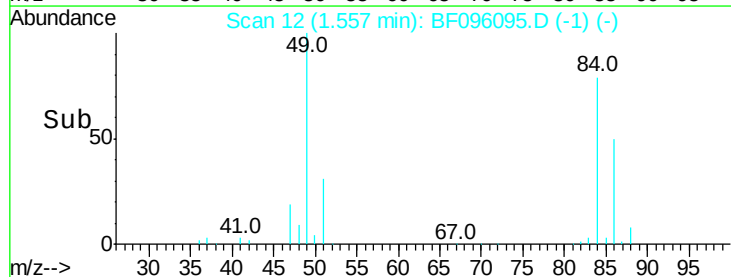
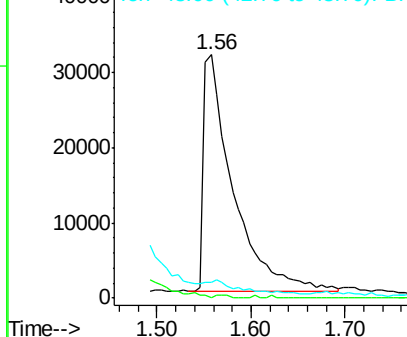
#2

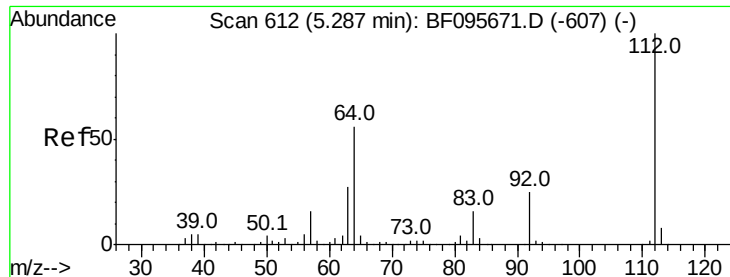
1,4-Dioxane
Concen: 33.78 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.05 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Tgt Ion: 88 Resp: 69801
Ion Ratio Lower Upper
88 100
58 0.5 61.4 92.0#
43 0.0 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: 18.22 ng

RT: 5.23 min Scan# 637

Delta R.T. 0.05 min

Lab File: BF096095.D

Acq: 21 Jun 2017 20:56

Instrument :
BNA_F
ClientSampleId :

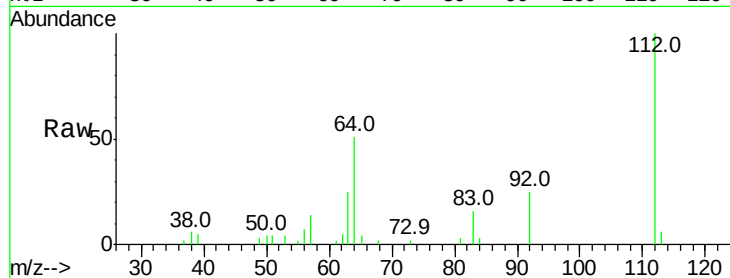
Tot Ion:112 Resp: 79128

Ion Ratio Lower Upper

112 100

64 51.5 46.0 69.0

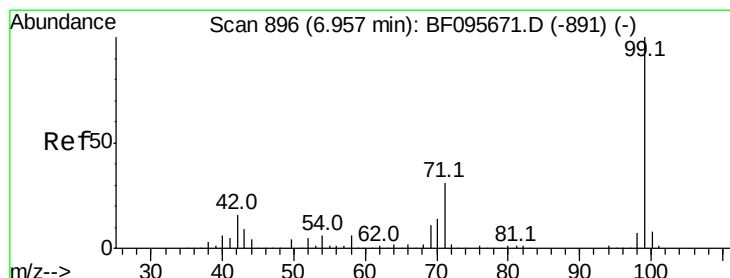
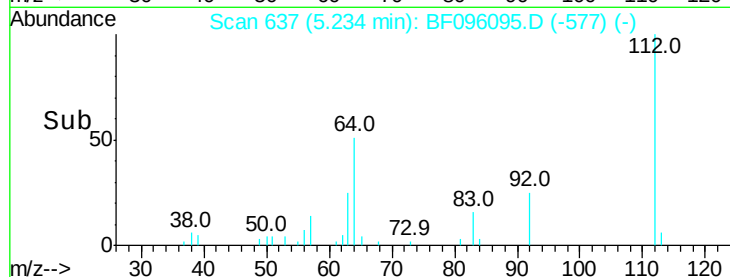
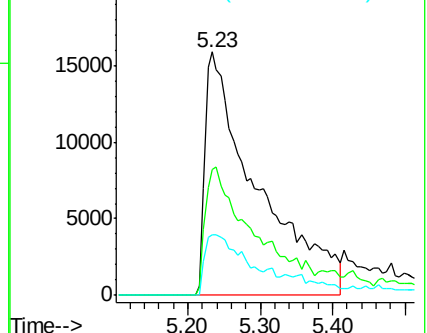
63 24.8 23.4 35.0



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: 19.85 ng

RT: 6.92 min Scan# 924

Delta R.T. 0.05 min

Lab File: BF096095.D

Acq: 21 Jun 2017 20:56

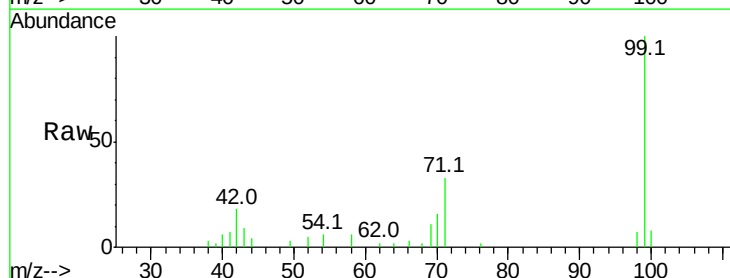
Tgt Ion: 99 Resp: 103237

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

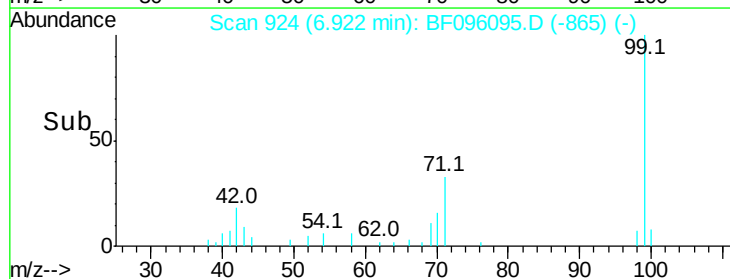
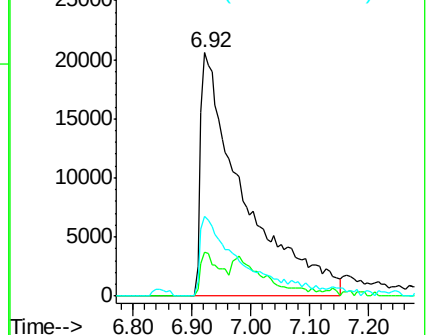
71 32.6 24.5 36.7

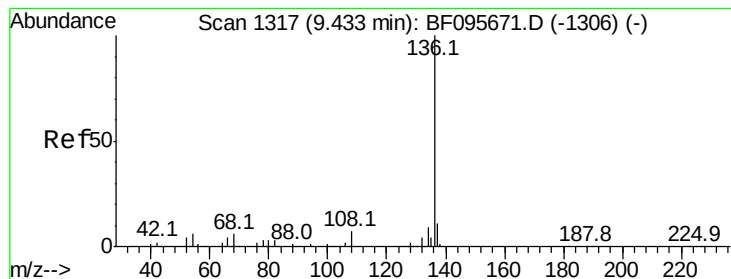


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF096095.D

Acq: 21 Jun 2017 20:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 290088

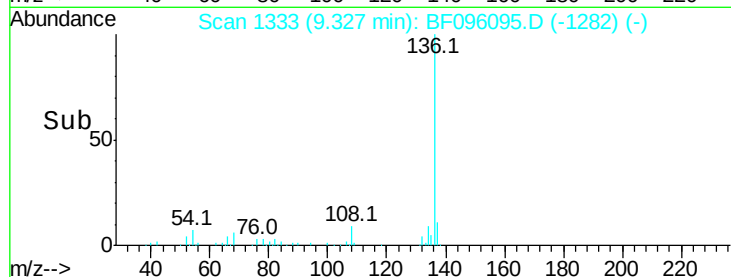
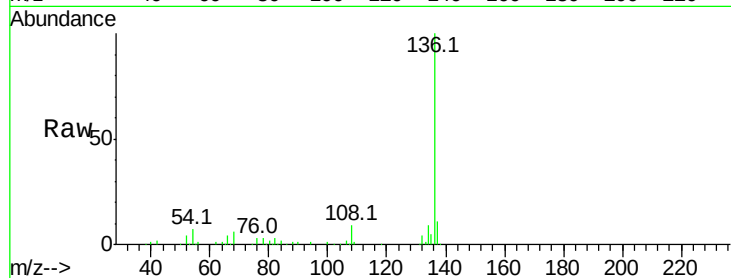
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.5 4.9 7.3

68 5.6 4.1 6.1

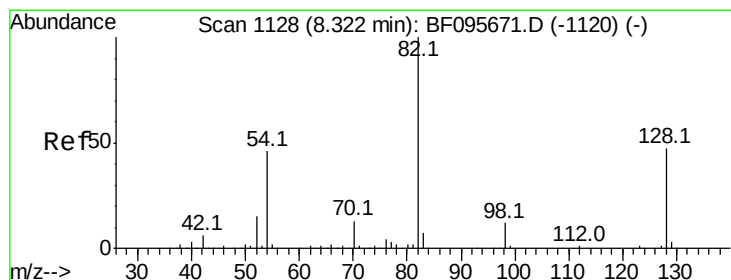
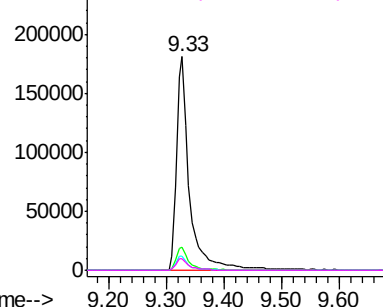


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.78 ng

RT: 8.24 min Scan# 1148

Delta R.T. 0.02 min

Lab File: BF096095.D

Acq: 21 Jun 2017 20:56

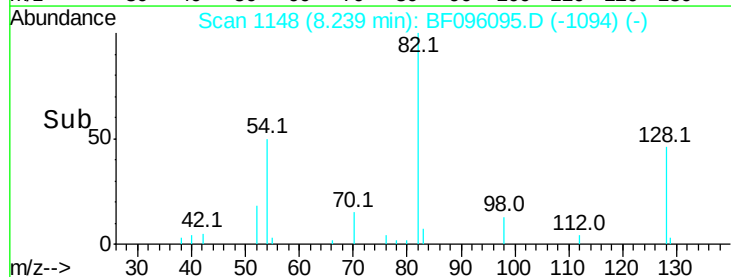
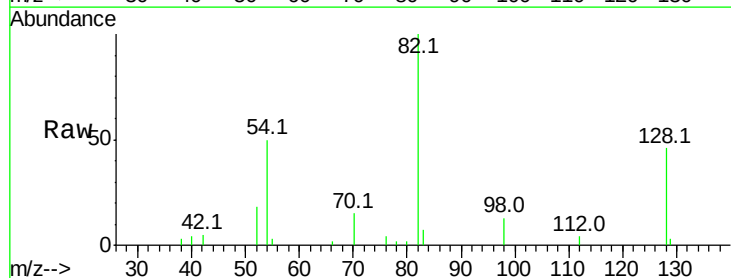
Tgt Ion: 82 Resp: 55045

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

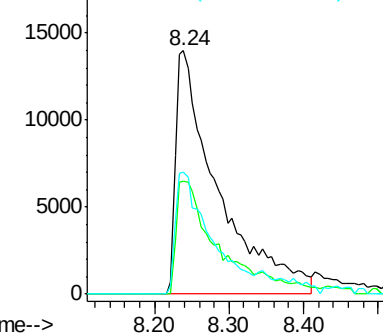
54 50.4 42.2 63.2

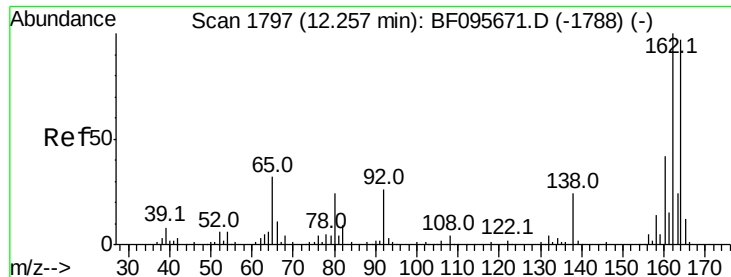


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

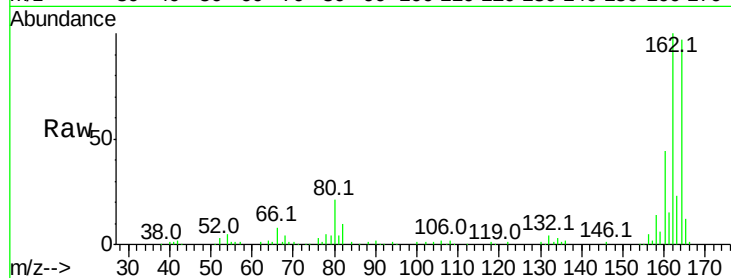




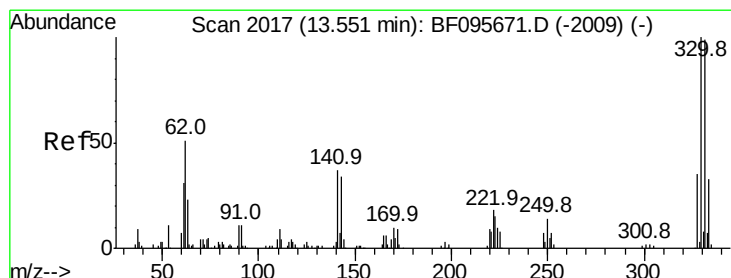
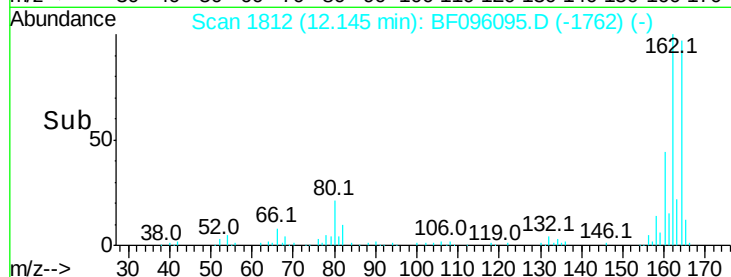
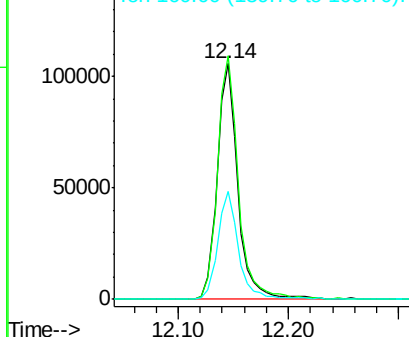
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 137671
Ion Ratio Lower Upper
164 100
162 103.4 82.6 123.8
160 45.6 36.2 54.2

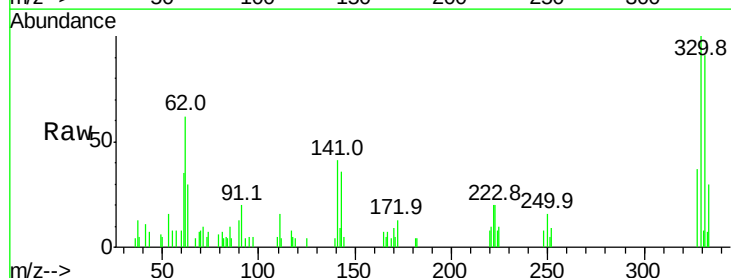


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

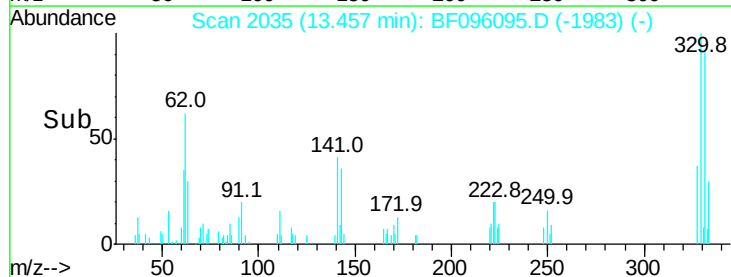
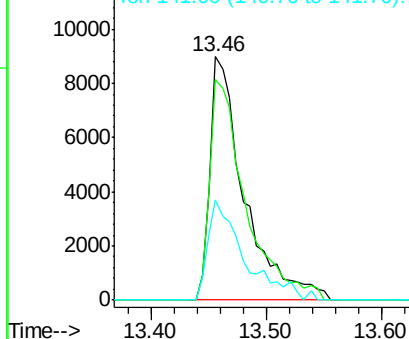


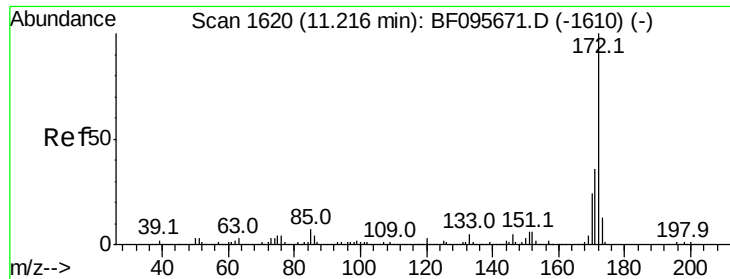
#41
2,4,6-Tribromophenol
Concen: 15.22 ng
RT: 13.46 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Tgt Ion:330 Resp: 18539
Ion Ratio Lower Upper
330 100
332 94.6 76.6 115.0
141 43.8 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

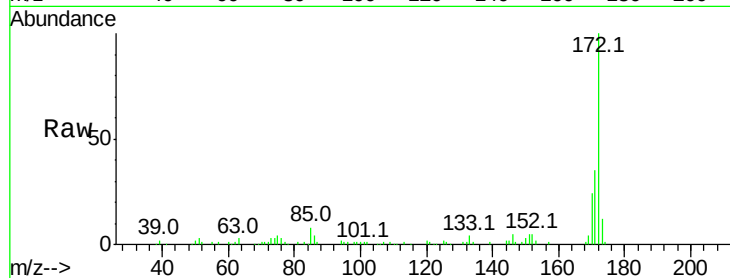




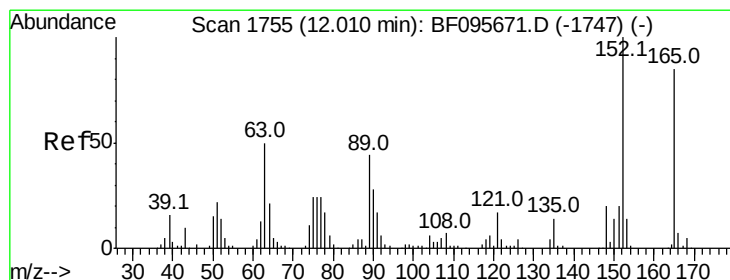
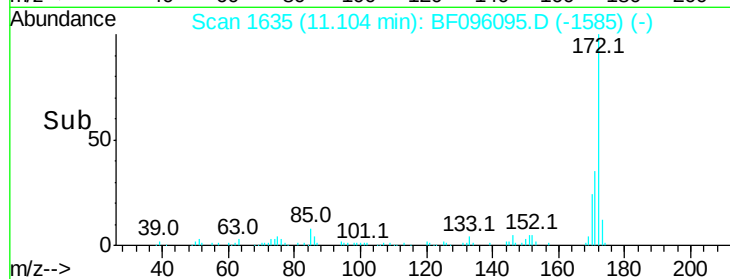
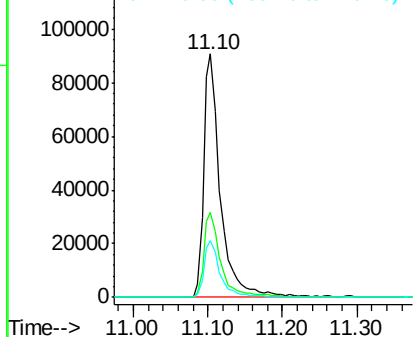
#44
2-Fluorobiphenyl
Concen: 14.40 ng
RT: 11.10 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 142481
Ion Ratio Lower Upper
172 100
171 34.9 29.6 44.4
170 23.5 19.8 29.8

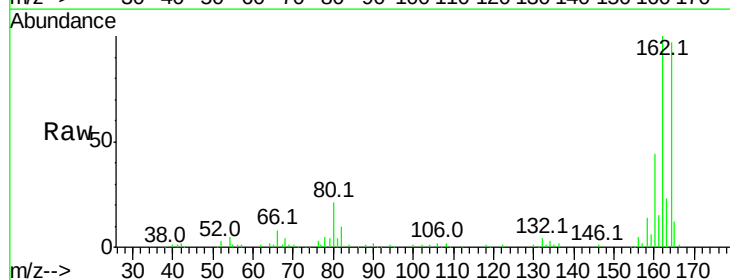


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

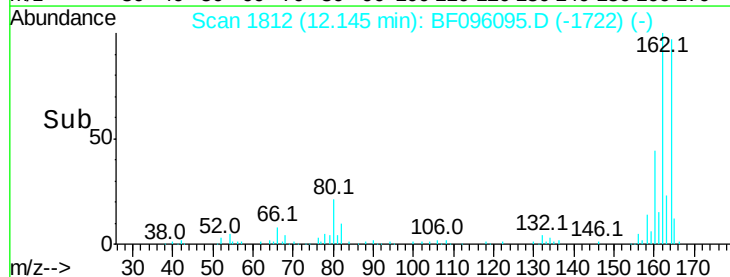
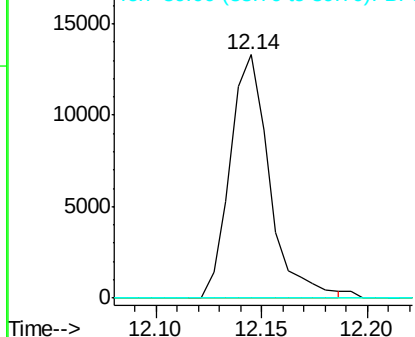


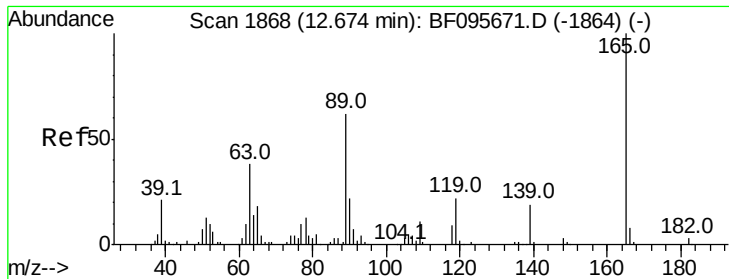
#50
2,6-Dinitrotoluene
Concen: 7.53 ng
RT: 12.14 min Scan# 1812
Delta R.T. 0.23 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Tgt Ion:165 Resp: 17168
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 0.0 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

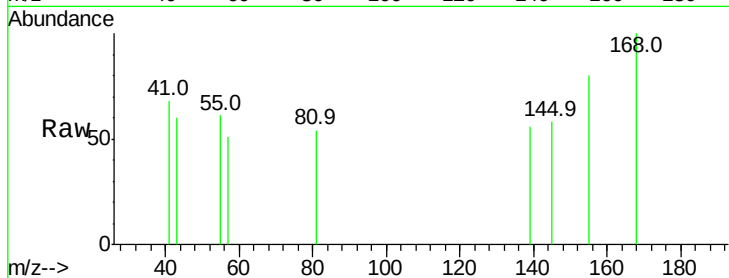




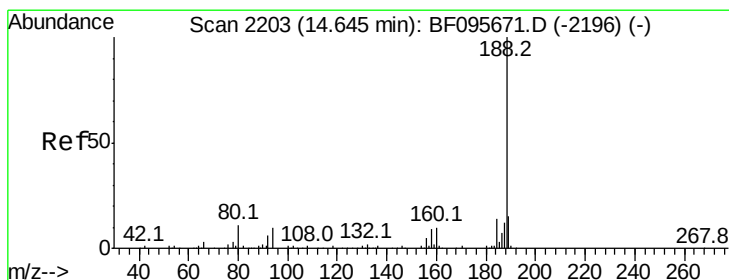
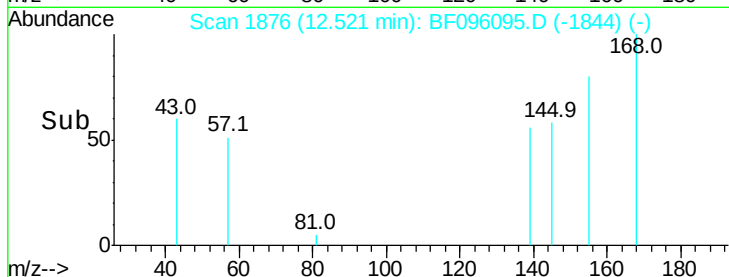
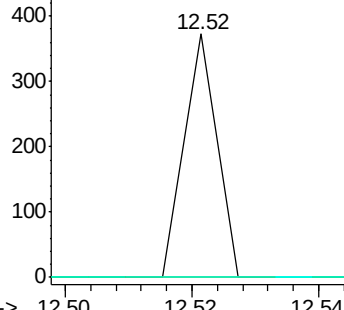
#55
4-Nitrophenol
Concen: 4.71 ng
RT: 12.52 min Scan# 1876
Delta R.T. -0.11 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion:139 Resp: 132
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

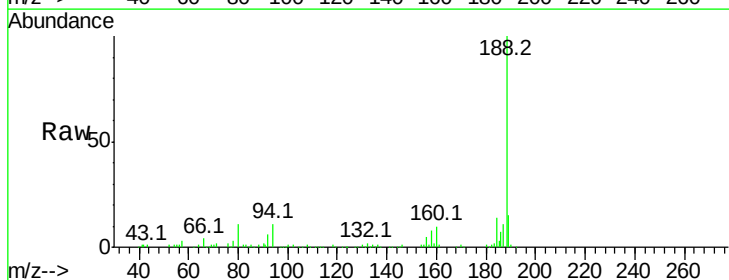


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

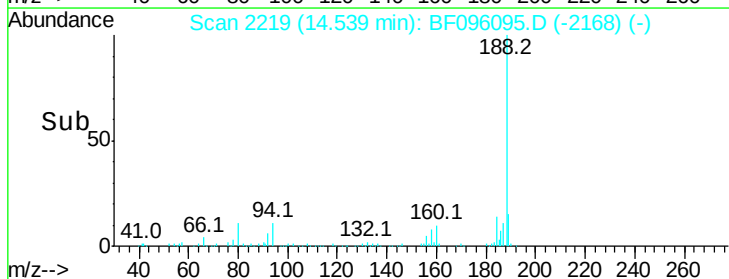
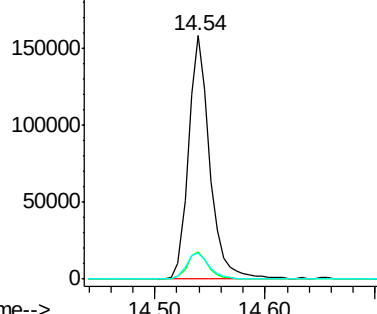


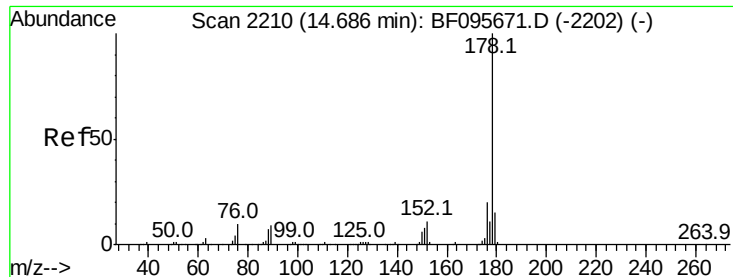
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Tgt Ion:188 Resp: 212644
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 10.8 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





#70

Phenanthrene

Concen: 3.00 ng

RT: 14.58 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BF096095.D

Acq: 21 Jun 2017 20:56

Instrument :

BNA_F

ClientSampleId :

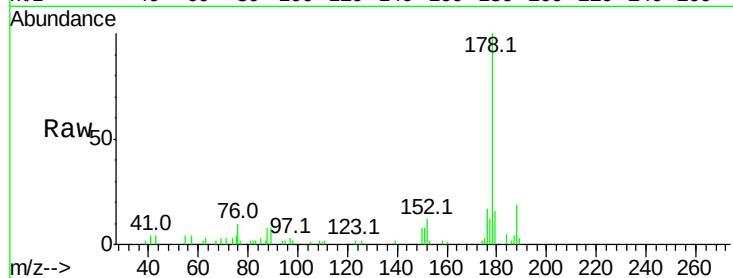
Tot Ion:178 Resp: 36796

Ion Ratio Lower Upper

178 100

176 17.0 16.2 24.4

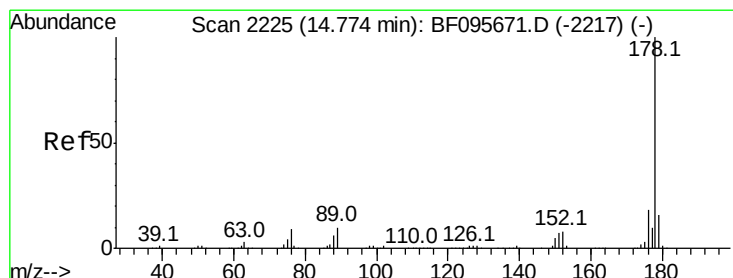
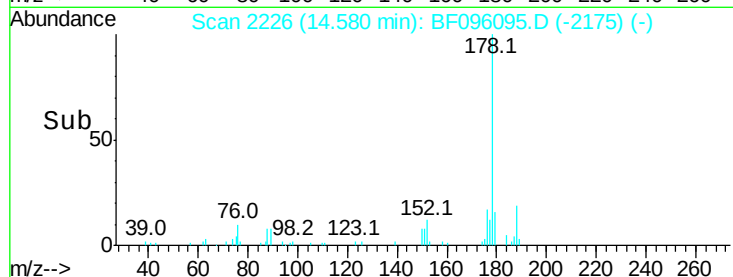
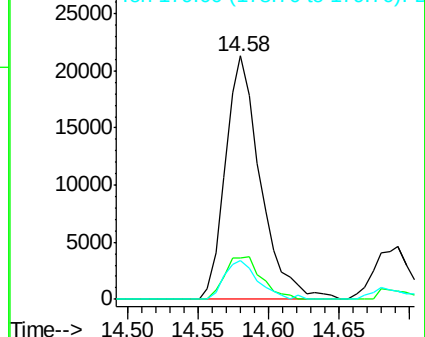
179 16.0 12.6 19.0



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



#71

Anthracene

Concen: 2.87 ng

RT: 14.58 min Scan# 2226

Delta R.T. -0.09 min

Lab File: BF096095.D

Acq: 21 Jun 2017 20:56

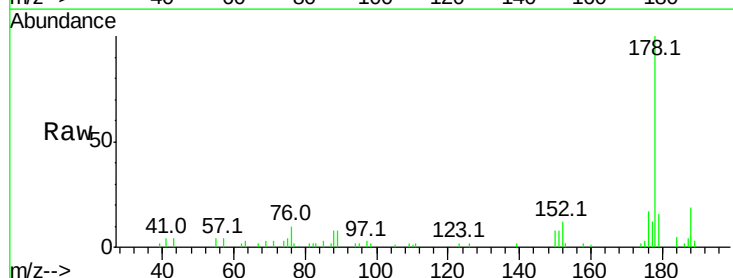
Tgt Ion:178 Resp: 36796

Ion Ratio Lower Upper

178 100

176 17.0 15.8 23.8

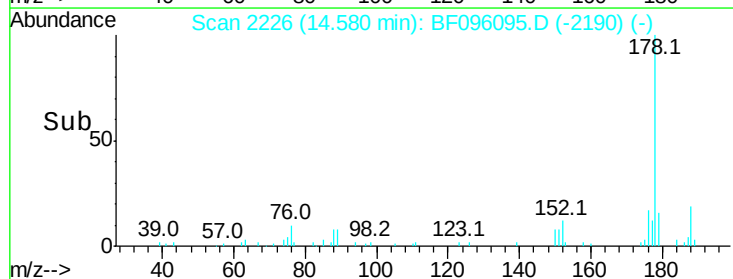
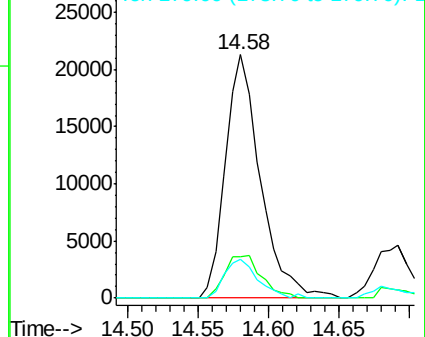
179 16.0 12.7 19.1

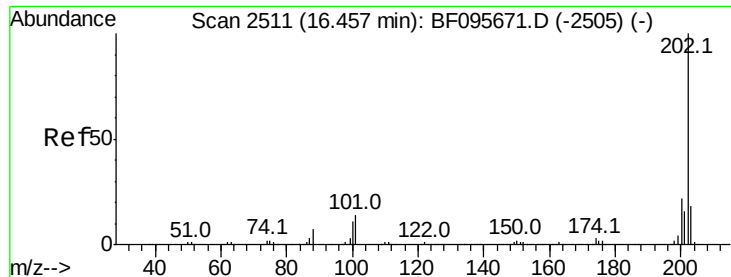


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

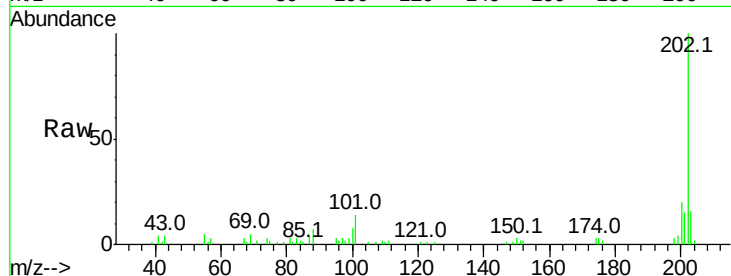




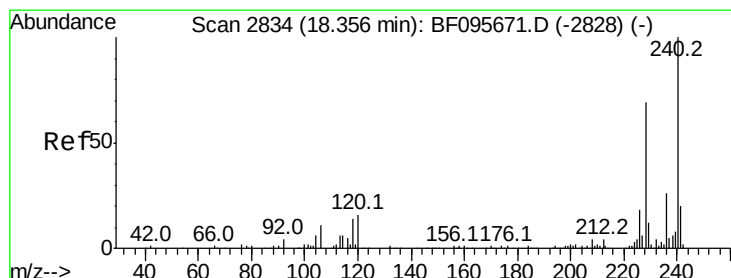
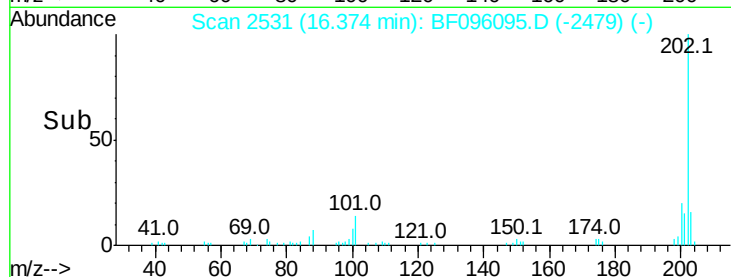
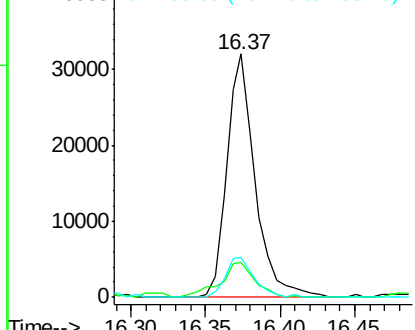
#74
 Fluoranthene
 Concen: 3.50 ng
 RT: 16.37 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF096095.D
 Acq: 21 Jun 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 42547
 Ion Ratio Lower Upper
 202 100
 101 14.2 0.0 33.2
 203 16.3 0.0 38.1

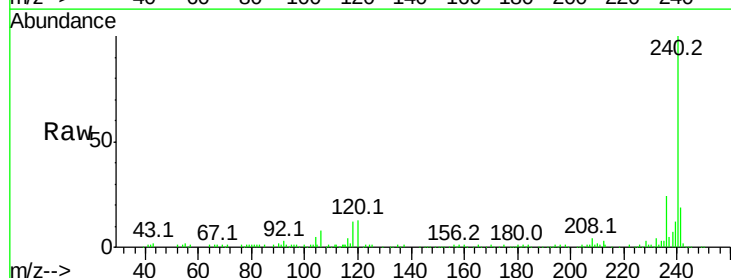


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

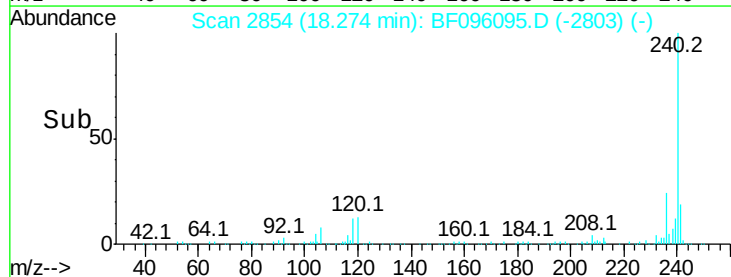
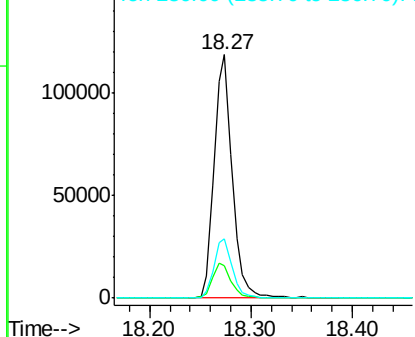


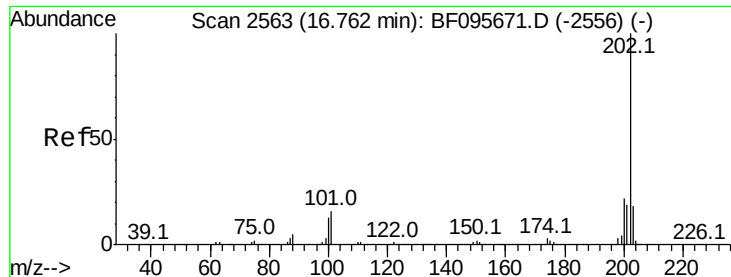
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.27 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BF096095.D
 Acq: 21 Jun 2017 20:56

Tgt Ion:240 Resp: 146669
 Ion Ratio Lower Upper
 240 100
 120 13.3 5.8 8.8#
 236 24.2 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

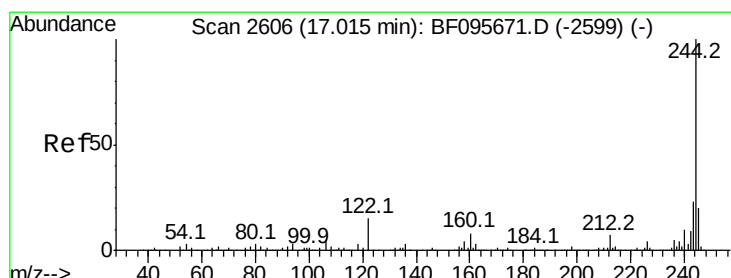
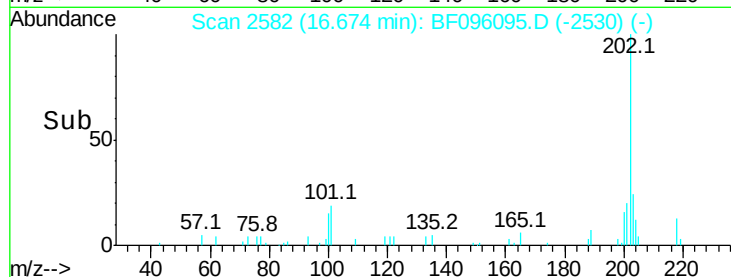
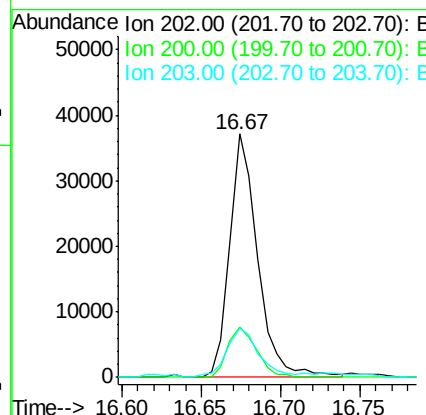
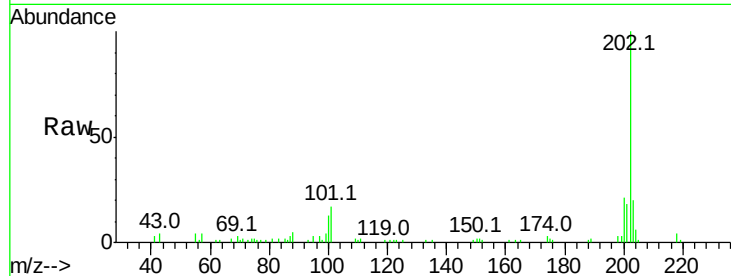




#77
Pvrene
Concen: 4.17 ng
RT: 16.67 min Scan# 2582
Delta R.T. 0.01 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

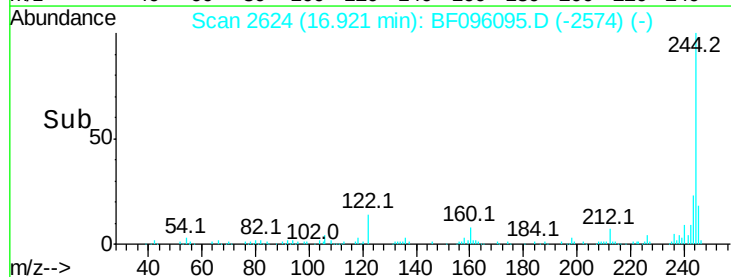
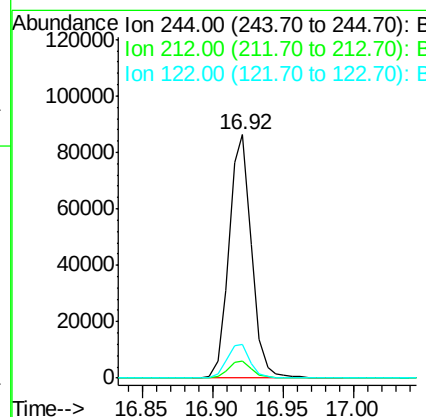
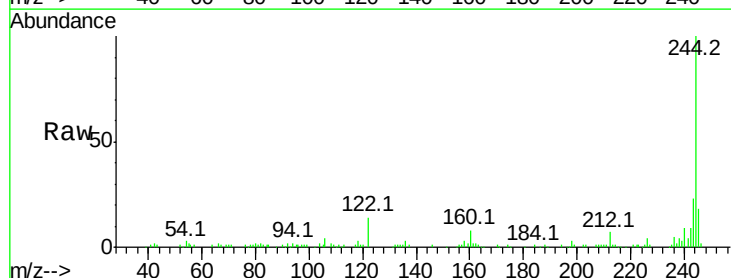
Instrument :
BNA_F
ClientSampleId :

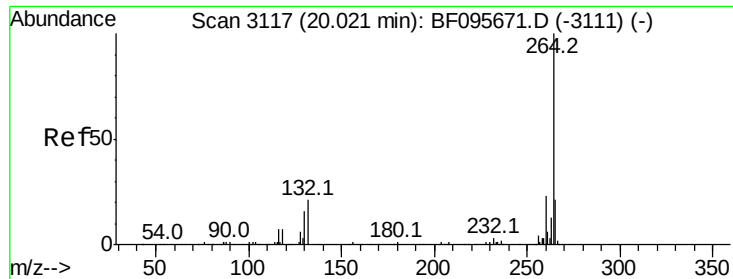
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.6	26.4
203	19.9	14.4	21.6



#78
Terphenyl-d14
Concen: 16.06 ng
RT: 16.92 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.8	10.3	15.5

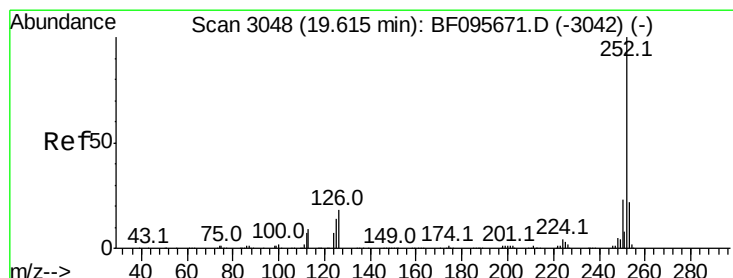
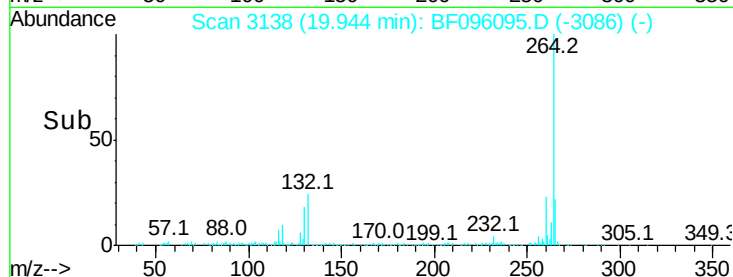
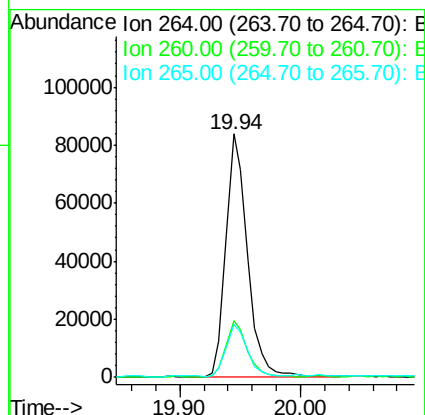
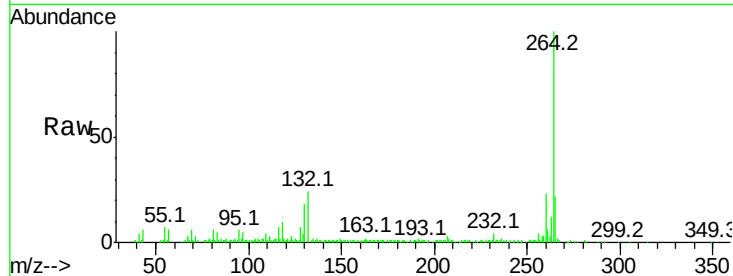




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

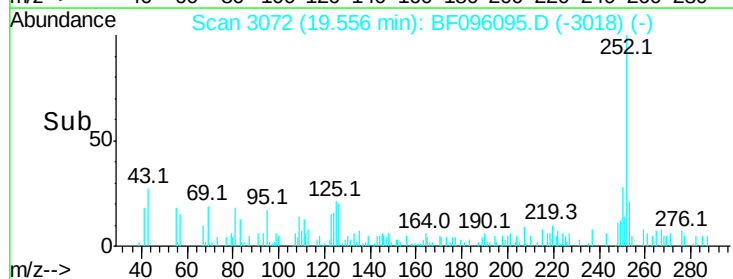
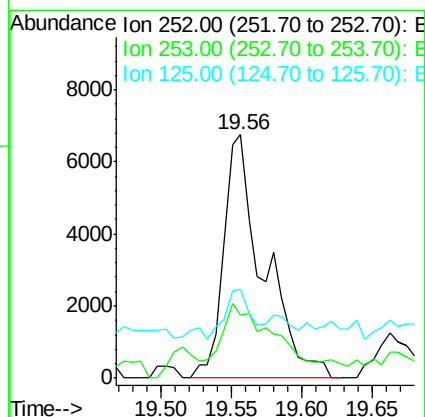
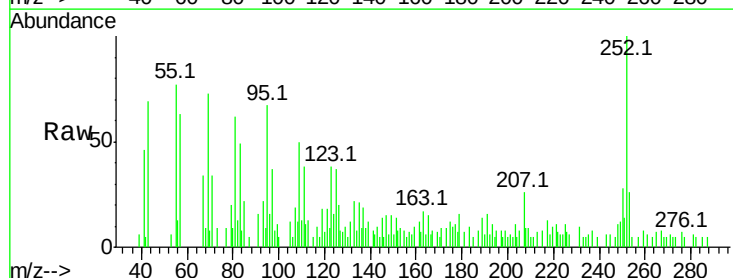
Instrument :
BNA_F
ClientSampleId :

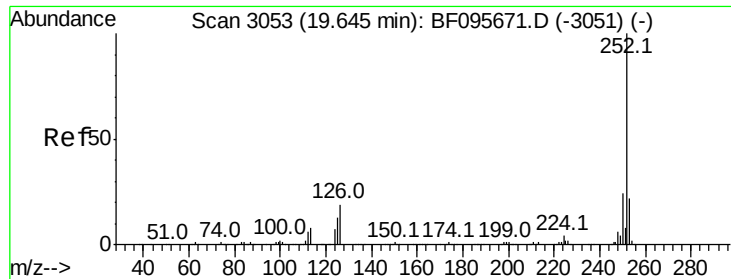
Tot Ion:264 Resp: 104706
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 2.03 ng
RT: 19.56 min Scan# 3072
Delta R.T. 0.02 min
Lab File: BF096095.D
Acq: 21 Jun 2017 20:56

Tgt Ion:252 Resp: 13296
Ion Ratio Lower Upper
252 100
253 26.2 18.1 27.1
125 36.6 9.8 14.8#

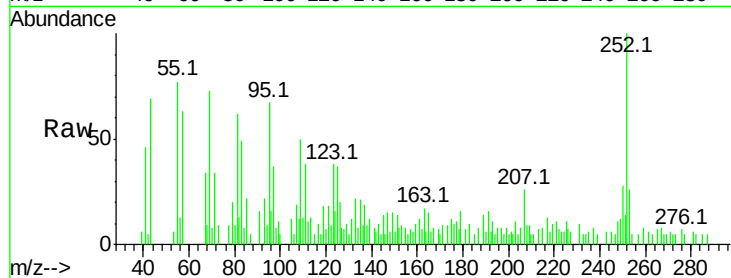




#88
 Benzo(k)fluoranthene
 Concen: 2.12 ng
 RT: 19.56 min Scan# 3072
 Delta R.T. -0.01 min
 Lab File: BF096095.D
 Acq: 21 Jun 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:252 Resp: 13296
 Ion Ratio Lower Upper
 252 100
 253 26.2 18.4 27.6
 125 36.6 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

