

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095967.D
 Acq On : 16 Jun 2017 21:22
 Operator : SJ/MA
 Sample : I3689-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 16 23:06:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 16 17:12:03 2017
 Response via : Initial Calibration

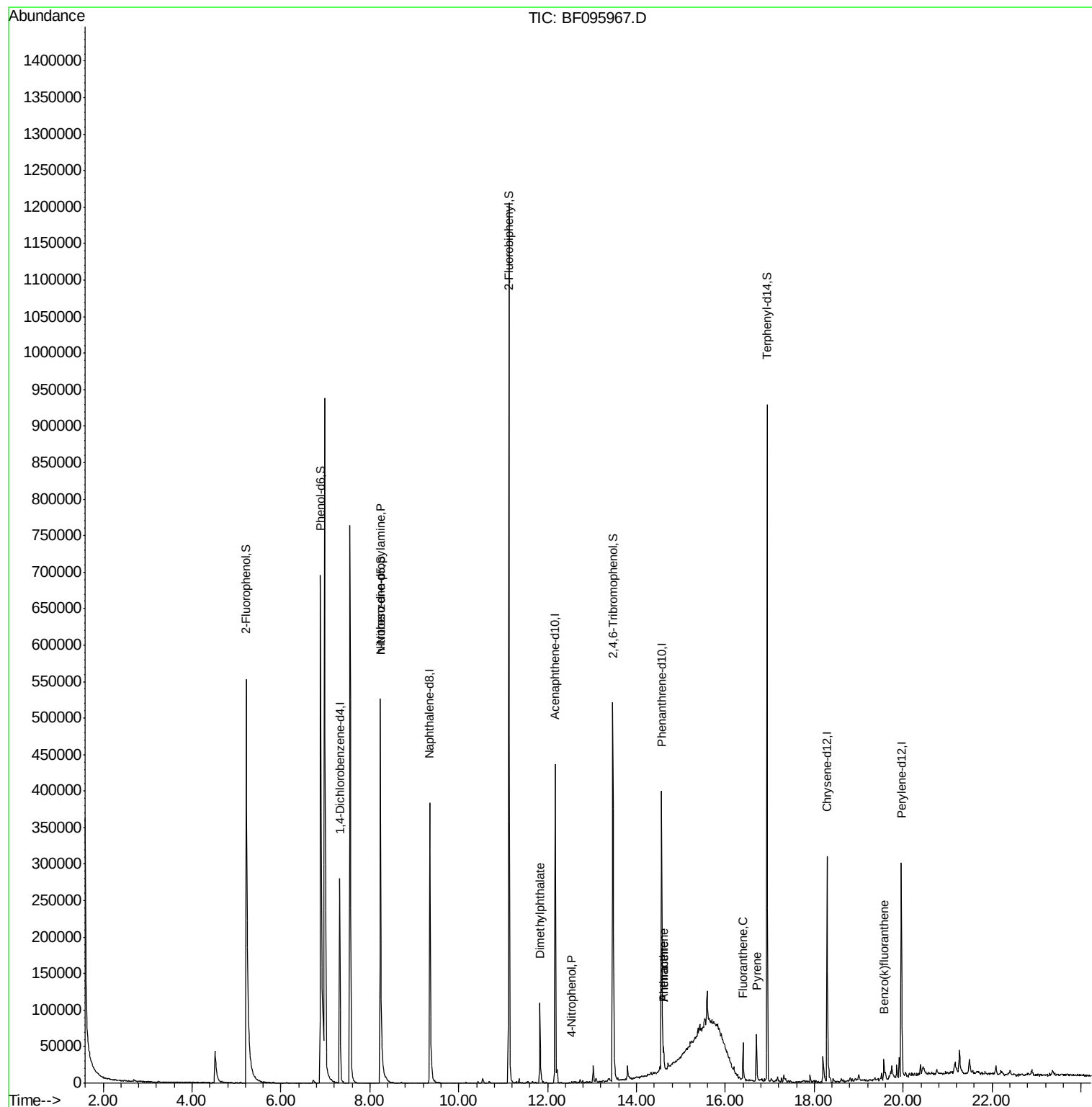
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	68929	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	278111	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	125669	20.00	ng	-0.01
63) Phenanthrene-d10	14.56	188	205210	20.00	ng	0.00
75) Chrysene-d12	18.29	240	134300	20.00	ng	-0.01
86) Perylene-d12	19.96	264	136335	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	421606	97.46	ng	0.00
7) Phenol-d6	6.89	99	511868	98.84	ng	-0.02
23) Nitrobenzene-d5	8.24	82	296182	66.14	ng	-0.01
41) 2,4,6-Tribromophenol	13.47	330	96603	86.88	ng	-0.01
44) 2-Fluorobiphenyl	11.13	172	548489	60.74	ng	-0.01
78) Terphenyl-d14	16.94	244	332694	61.48	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.24	70	35923	10.95	ng	# 75
49) Dimethylphthalate	11.83	163	71916	7.54	ng	99
55) 4-Nitrophenol	12.54	139	512	4.97	ng	# 25
70) Phenanthrene	14.60	178	25516	2.15	ng	94
71) Anthracene	14.60	178	25516	2.06	ng	95
74) Fluoranthene	16.40	202	32479	2.77	ng	96
77) Pyrene	16.70	202	28424	2.84	ng	96
88) Benzo(k)fluoranthene	19.57	252	16487	2.02	ng	# 92

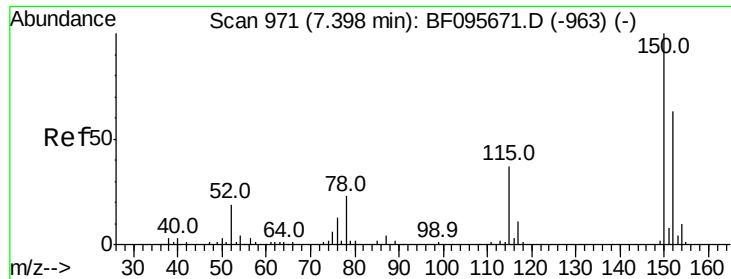
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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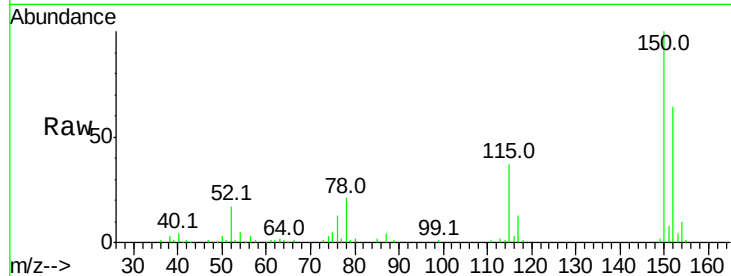


#1

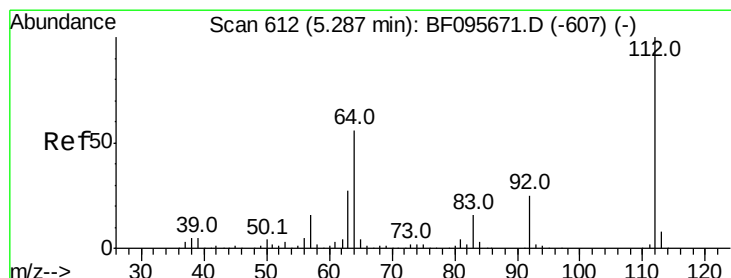
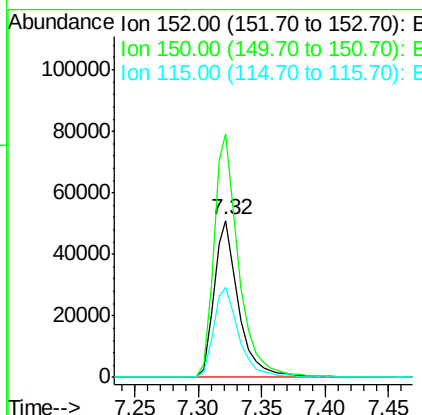
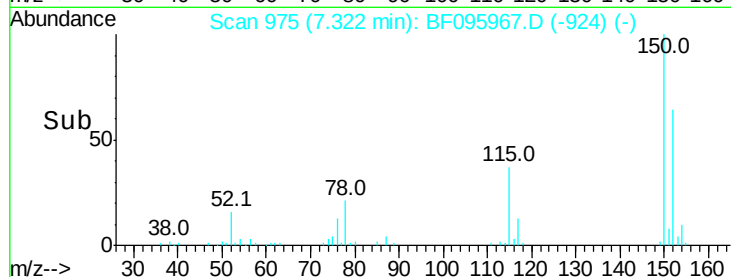
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 68929
Ion Ratio Lower Upper
152 100
150 155.4 126.2 189.2
115 57.5 52.2 78.2



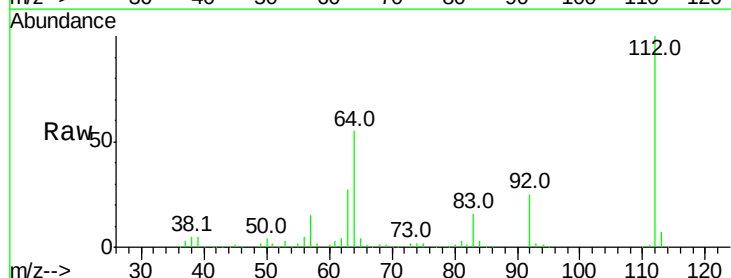
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



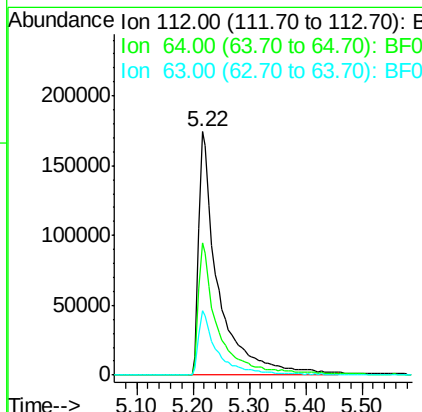
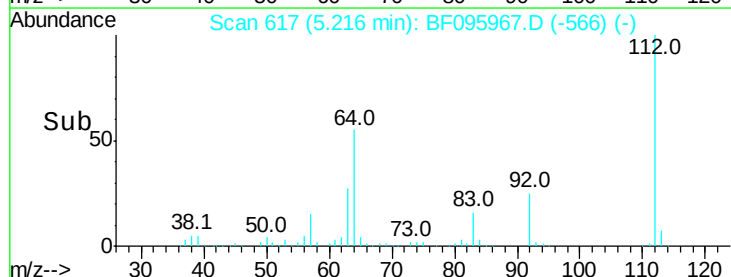
#5

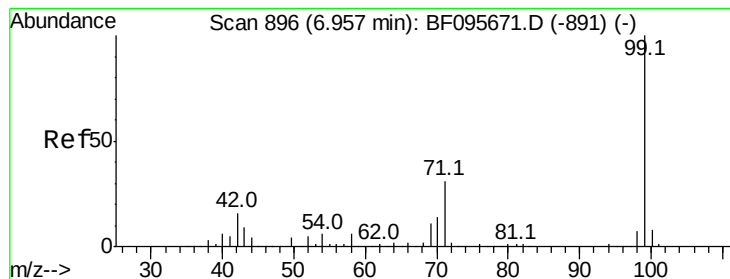
2-Fluorophenol
Concen: 97.46 ng
RT: 5.22 min Scan# 617
Delta R.T. 0.00 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Tgt Ion:112 Resp: 421606
Ion Ratio Lower Upper
112 100
64 54.6 46.0 69.0
63 26.5 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: 98.84 ng

RT: 6.89 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF095967.D

Acq: 16 Jun 2017 21:22

Instrument :

BNA_F

ClientSampled :

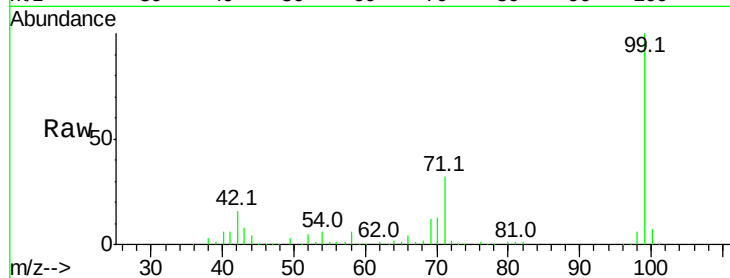
Tot Ion: 99 Resp: 511868

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

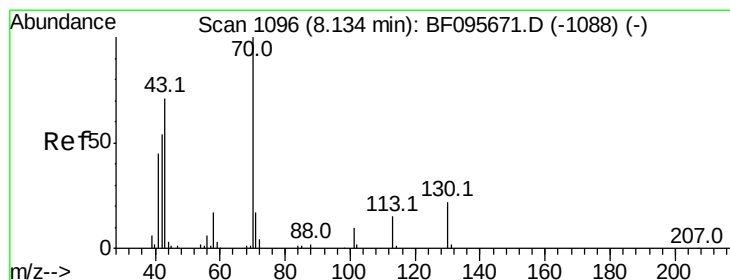
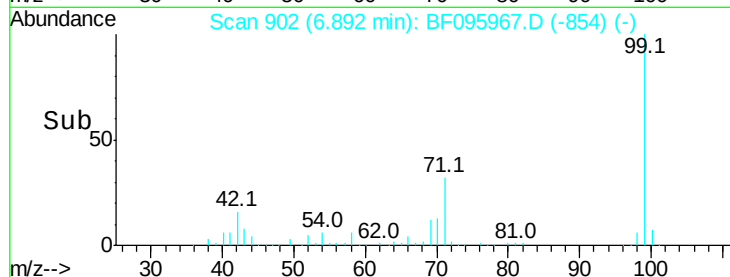
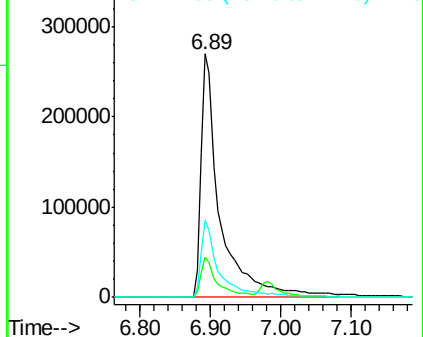
71 31.8 24.5 36.7



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: 10.95 ng

RT: 8.24 min Scan# 1131

Delta R.T. 0.17 min

Lab File: BF095967.D

Acq: 16 Jun 2017 21:22

Tgt Ion: 70 Resp: 35923

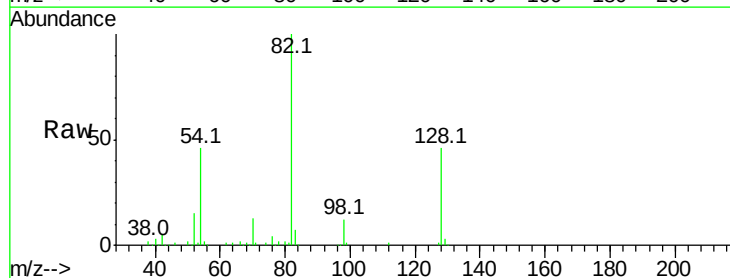
Ion Ratio Lower Upper

70 100

42 42.9 47.2 70.8#

101 0.0 7.2 10.8#

130 3.6 15.9 23.9#

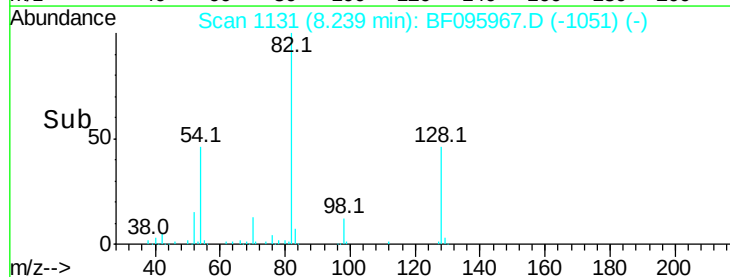
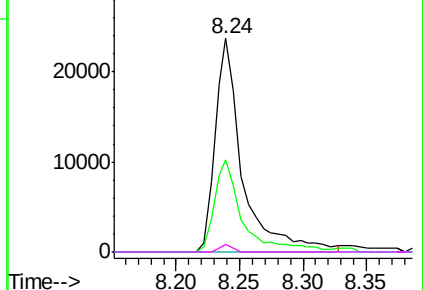


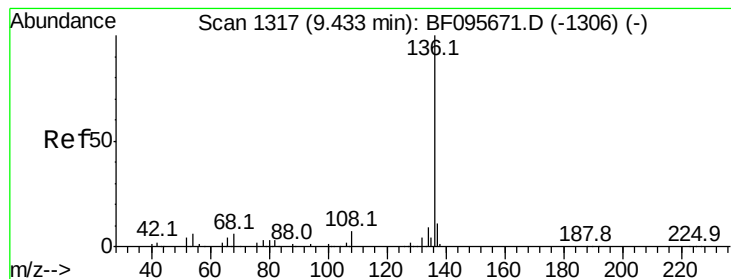
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 9.35 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF095967.D

Acq: 16 Jun 2017 21:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 278111

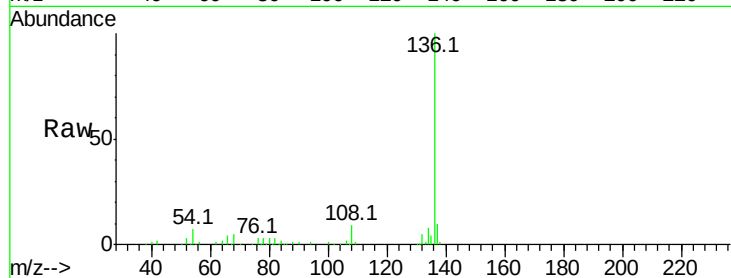
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.9 4.9 7.3

68 5.2 4.1 6.1

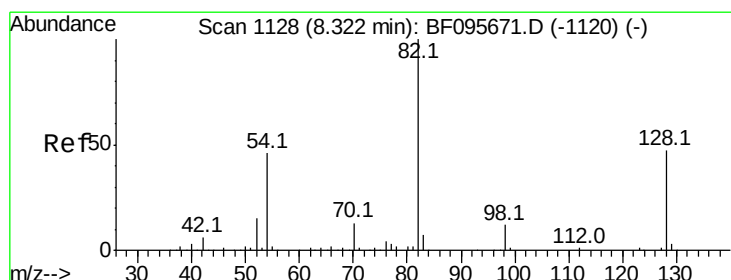
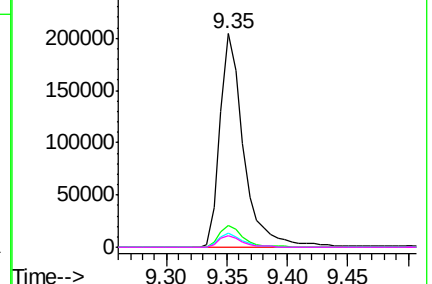
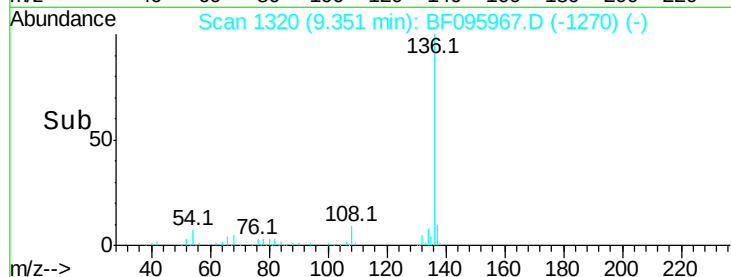


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.14 ng

RT: 8.24 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF095967.D

Acq: 16 Jun 2017 21:22

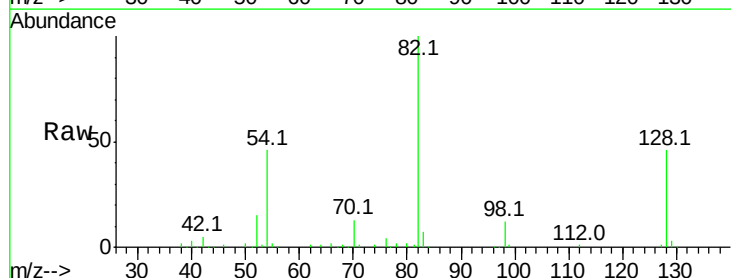
Tgt Ion: 82 Resp: 296182

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

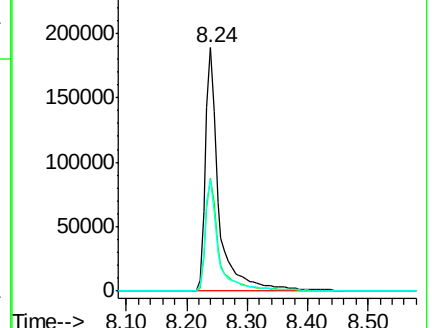
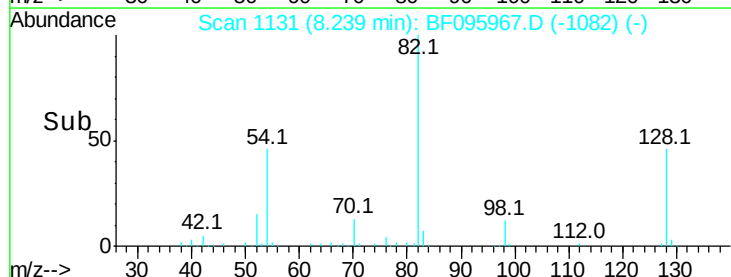
54 46.1 42.2 63.2

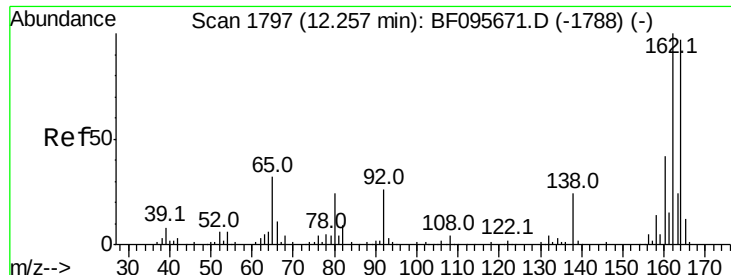


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.17 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF095967.D

Acq: 16 Jun 2017 21:22

Instrument :

BNA_F

ClientSampled :

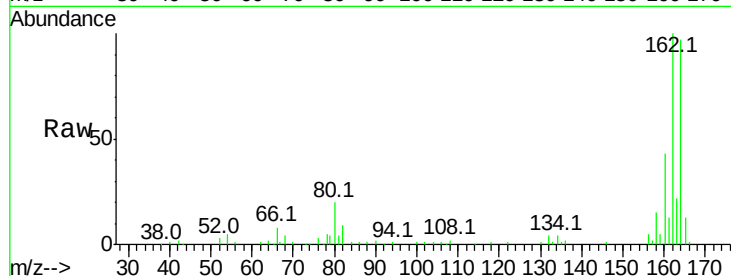
Tot Ion:164 Resp: 125669

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

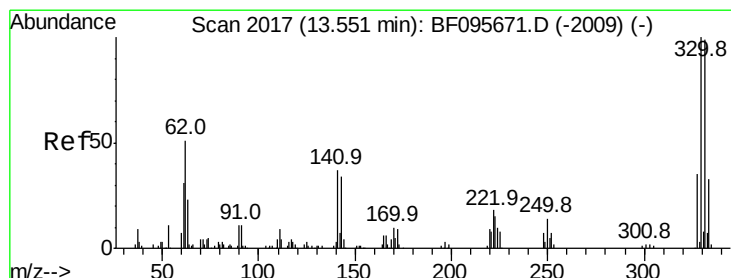
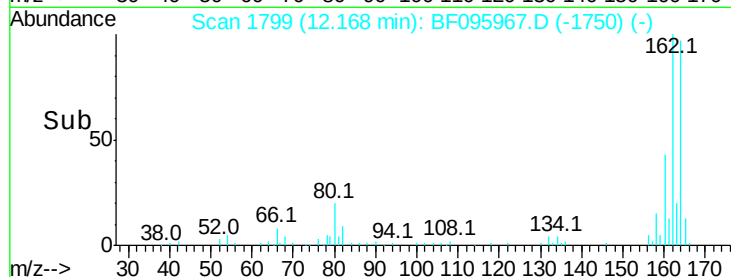
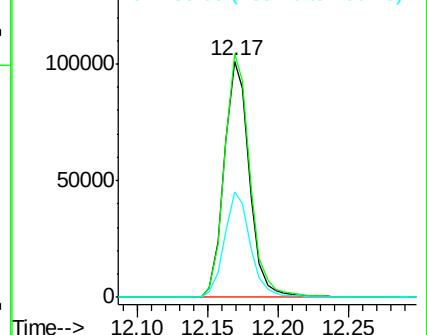
160 44.6 36.2 54.2



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: 86.88 ng

RT: 13.47 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF095967.D

Acq: 16 Jun 2017 21:22

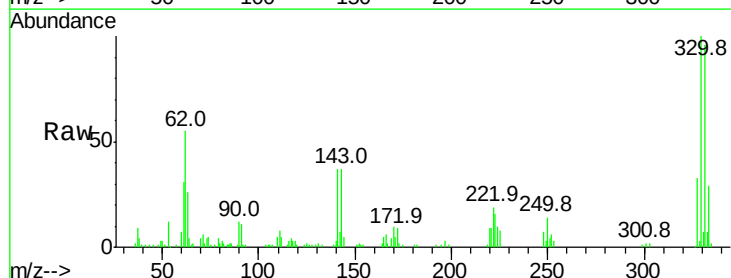
Tgt Ion:330 Resp: 96603

Ion Ratio Lower Upper

330 100

332 99.2 76.6 115.0

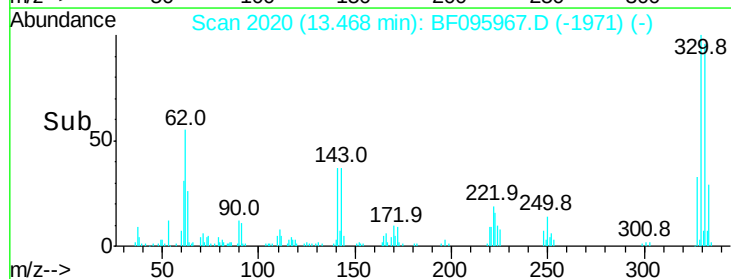
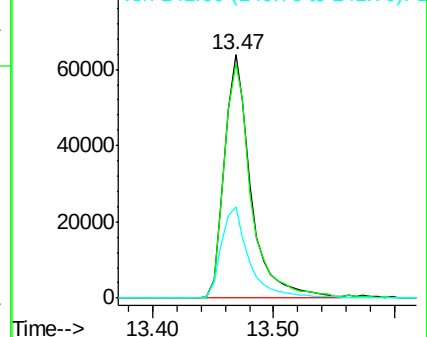
141 39.2 31.4 47.2

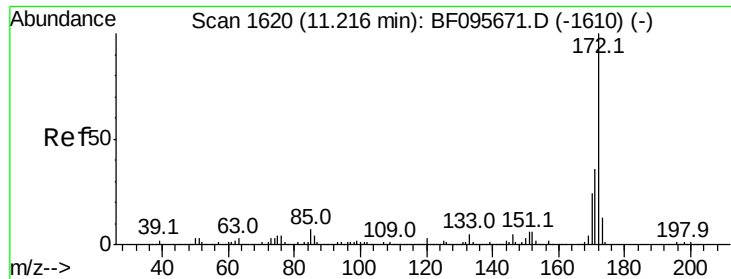


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

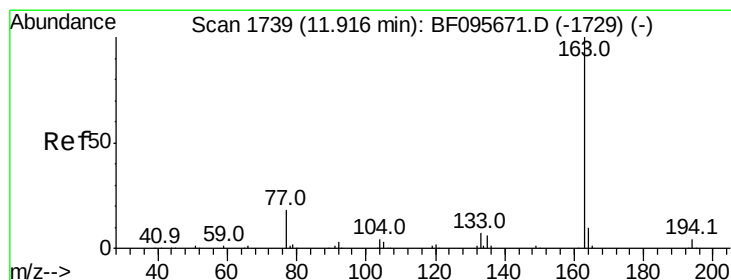
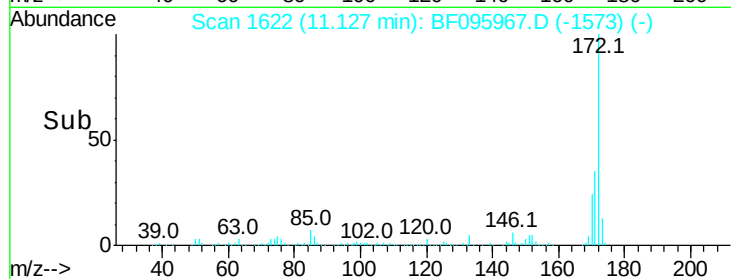
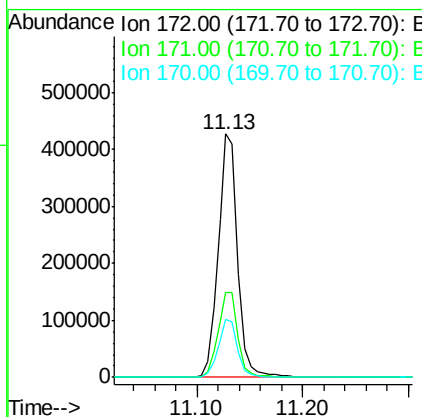
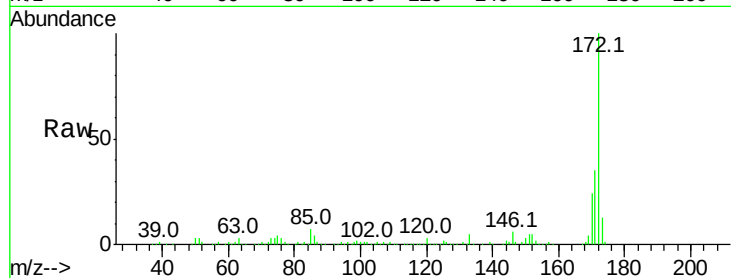




#44
2-Fluorobiphenyl
Concen: 60.74 ng
RT: 11.13 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

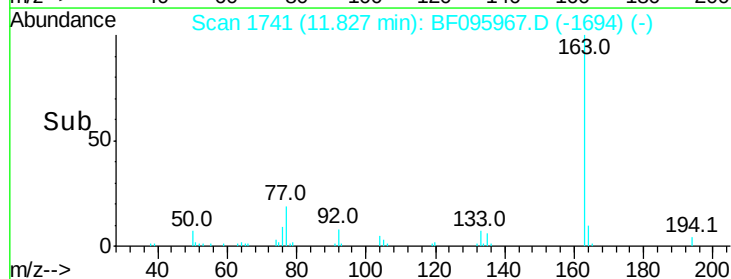
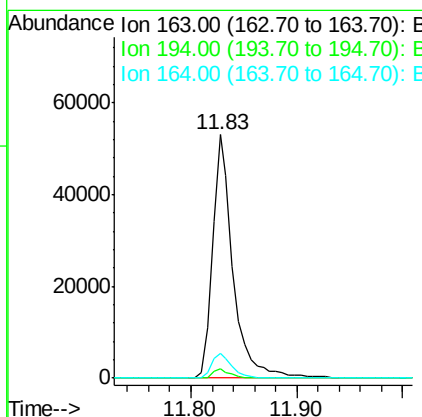
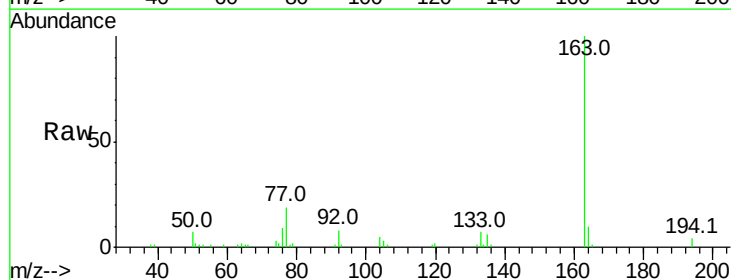
Instrument :
BNA_F
ClientSampled :

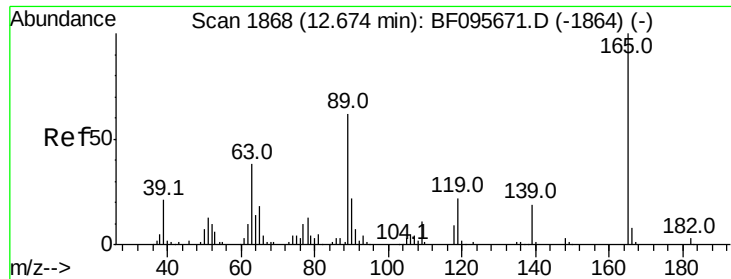
Tot Ion:172 Resp: 548489
Ion Ratio Lower Upper
172 100
171 34.7 29.6 44.4
170 23.7 19.8 29.8



#49
Dimethylphthalate
Concen: 7.54 ng
RT: 11.83 min Scan# 1741
Delta R.T. -0.02 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Tgt Ion:163 Resp: 71916
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.0 8.4 12.6

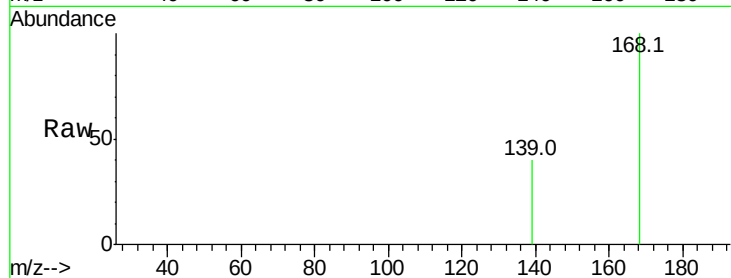




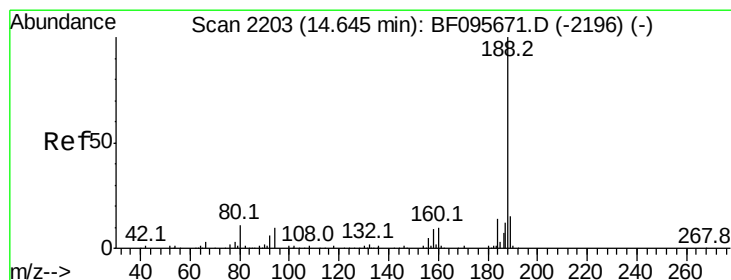
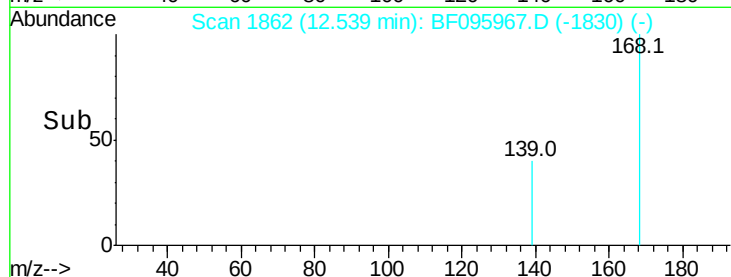
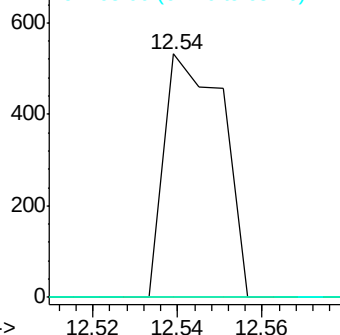
#55
4-Nitrophenol
Concen: 4.97 ng
RT: 12.54 min Scan# 1862
Delta R.T. -0.11 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 512
Ion Ratio Lower Upper
139 100
109 0.0 34.1 74.1#
65 0.0 31.4 71.4#

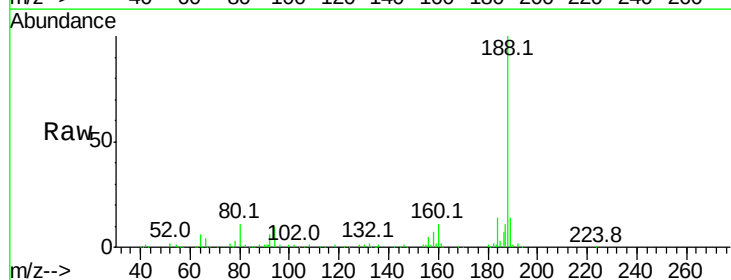


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

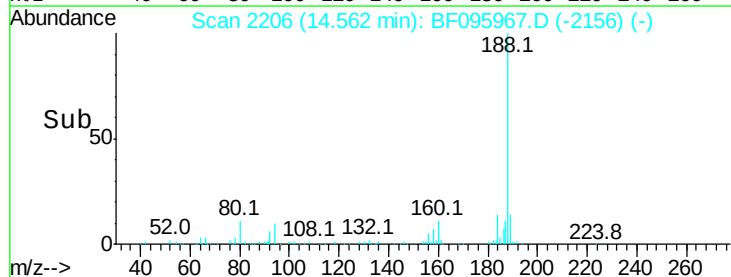
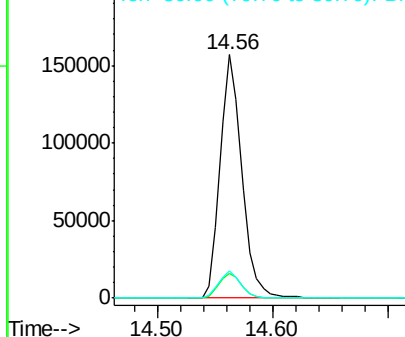


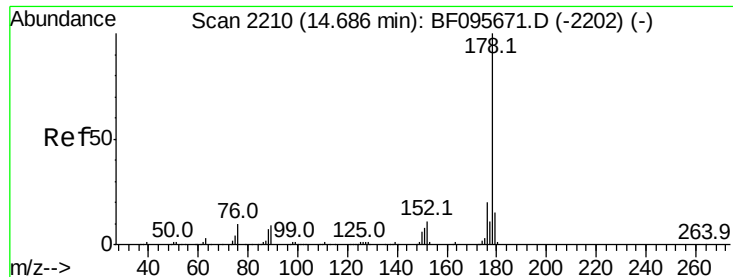
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.56 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Tgt Ion:188 Resp: 205210
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.3 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

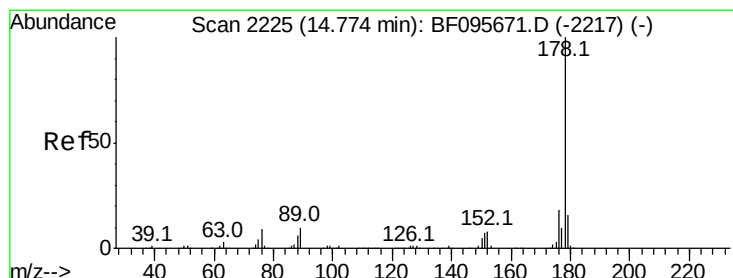
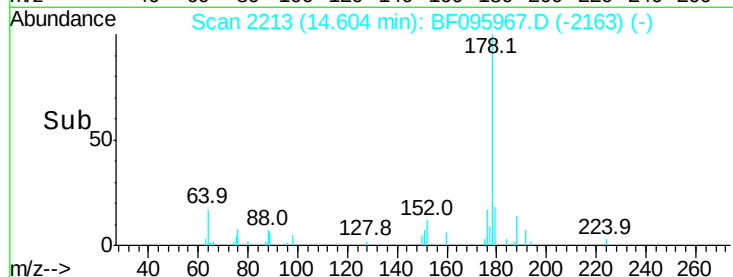
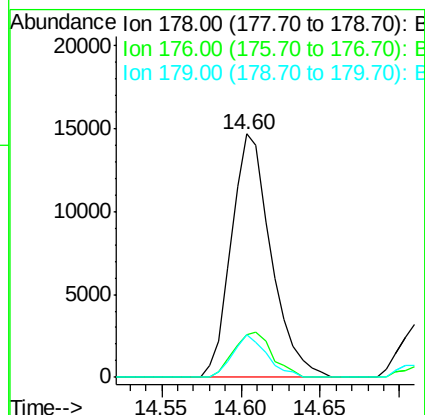
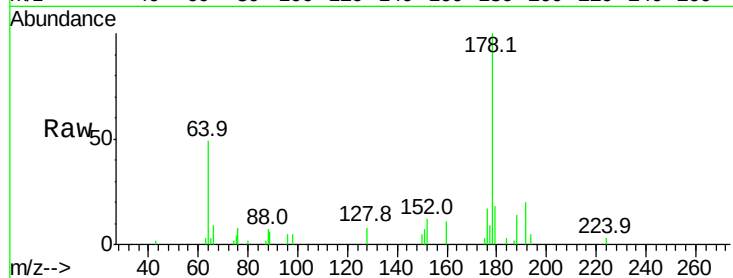




#70
Phenanthrene
Concen: 2.15 ng
RT: 14.60 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

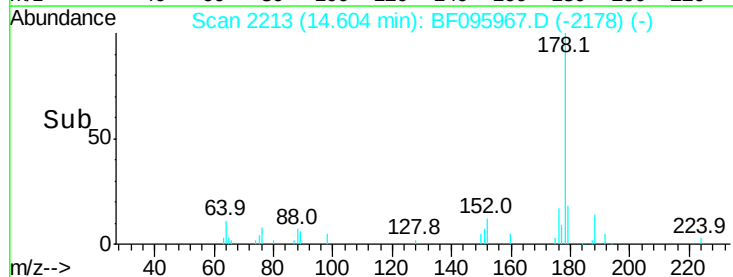
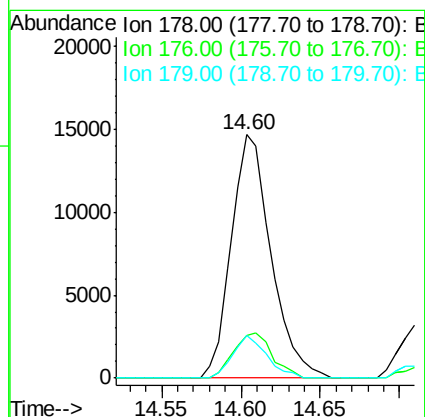
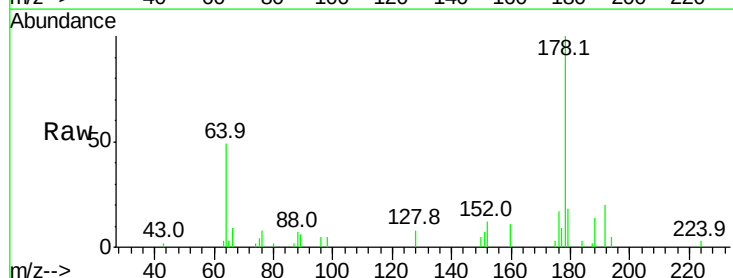
Instrument :
BNA_F
ClientSampleId :

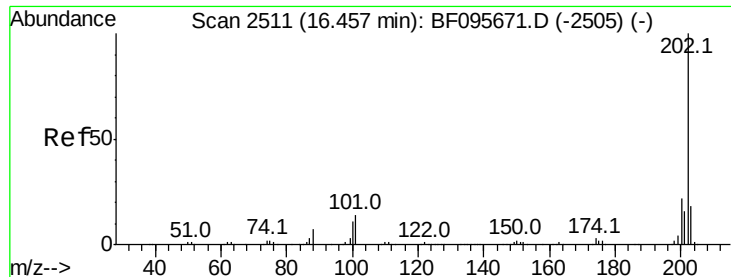
Tot Ion:178 Resp: 25516
Ion Ratio Lower Upper
178 100
176 17.3 16.2 24.4
179 17.7 12.6 19.0



#71
Anthracene
Concen: 2.06 ng
RT: 14.60 min Scan# 2213
Delta R.T. -0.09 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Tgt Ion:178 Resp: 25516
Ion Ratio Lower Upper
178 100
176 17.3 15.8 23.8
179 17.7 12.7 19.1

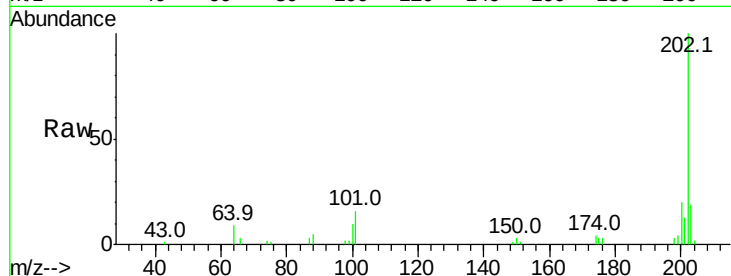




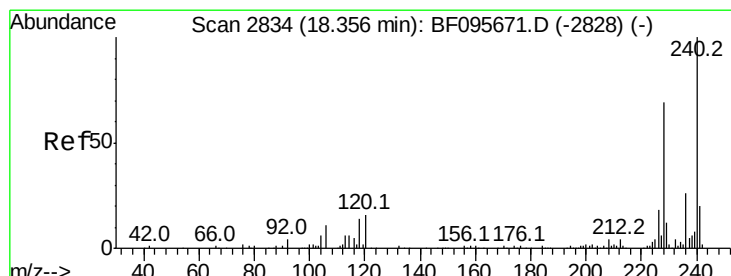
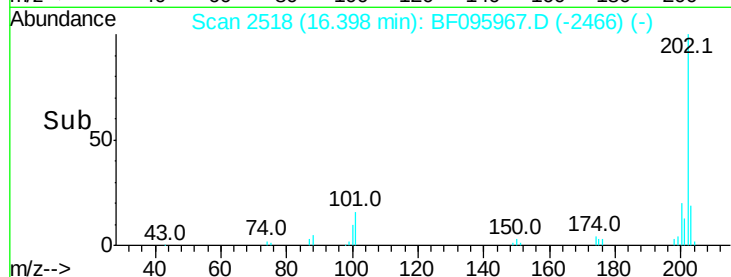
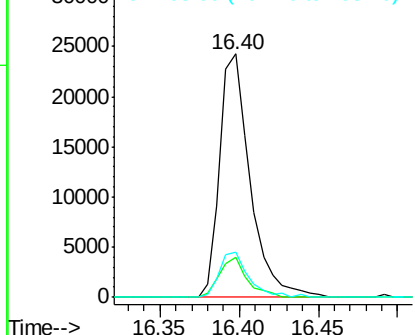
#74
 Fluoranthene
 Concen: 2.77 ng
 RT: 16.40 min Scan# 2518
 Delta R.T. 0.01 min
 Lab File: BF095967.D
 Acq: 16 Jun 2017 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	33.2
203	18.7	0.0	38.1

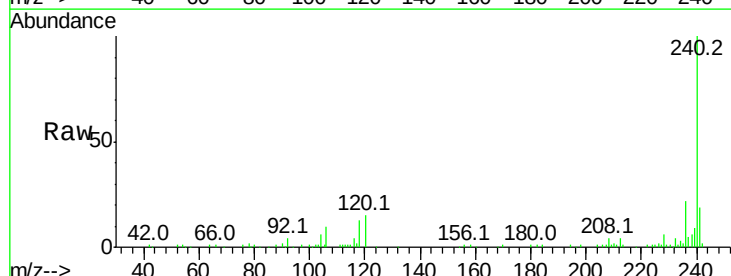


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

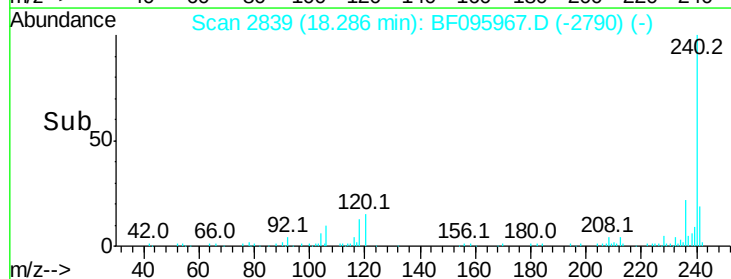
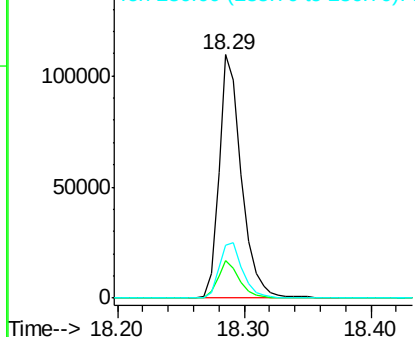


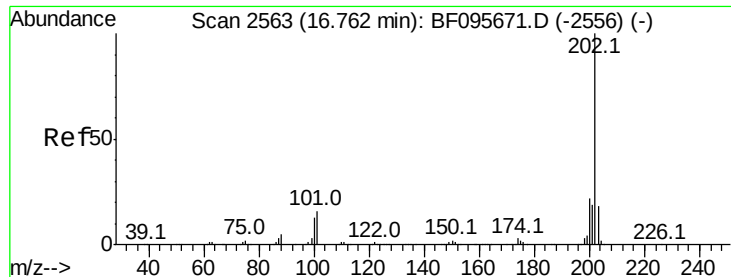
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.29 min Scan# 2839
 Delta R.T. -0.01 min
 Lab File: BF095967.D
 Acq: 16 Jun 2017 21:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.2	5.8	8.8#
236	21.9	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

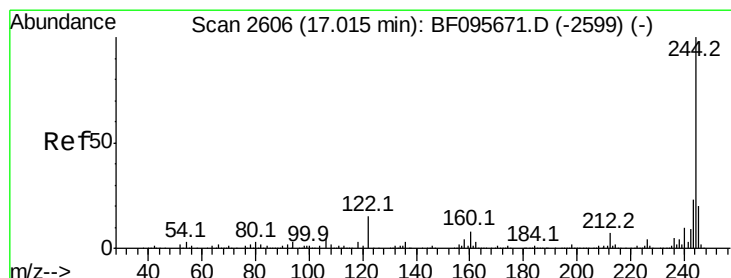
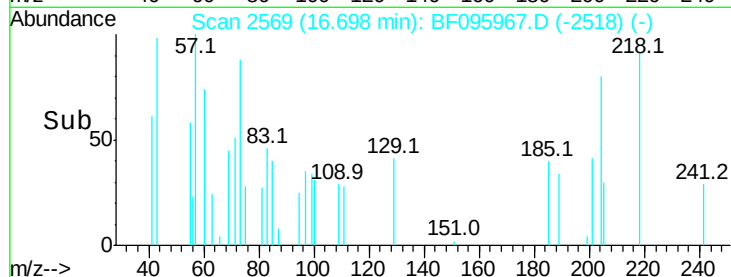
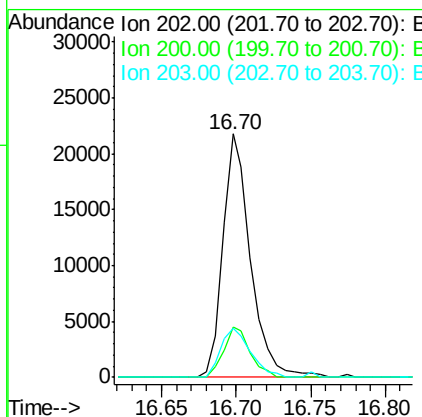
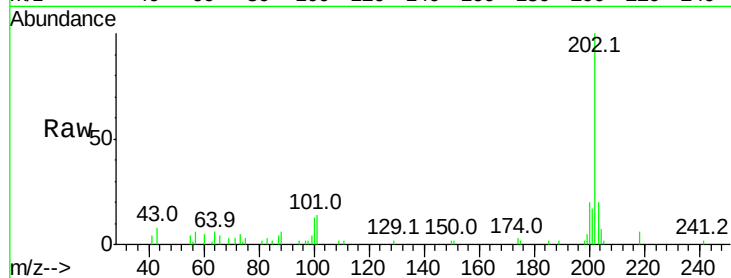




#77
Pvrene
Concen: 2.84 ng
RT: 16.70 min Scan# 2569
Delta R.T. 0.00 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

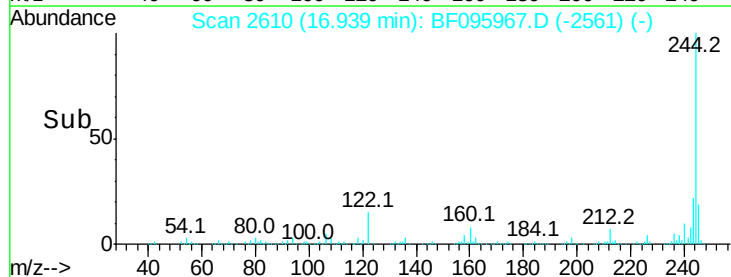
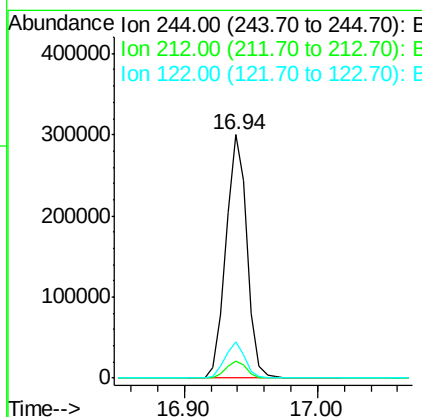
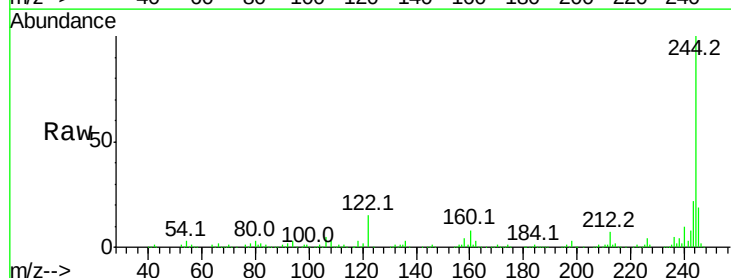
Instrument :
BNA_F
ClientSampled :

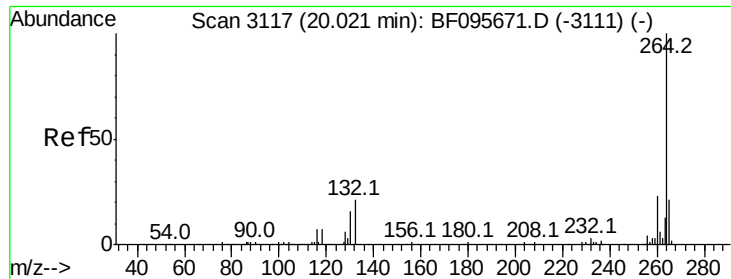
Tot Ion:202 Resp: 28424
Ion Ratio Lower Upper
202 100
200 20.4 17.6 26.4
203 20.0 14.4 21.6



#78
Terphenyl-d14
Concen: 61.48 ng
RT: 16.94 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Tgt Ion:244 Resp: 332694
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 14.9 10.3 15.5

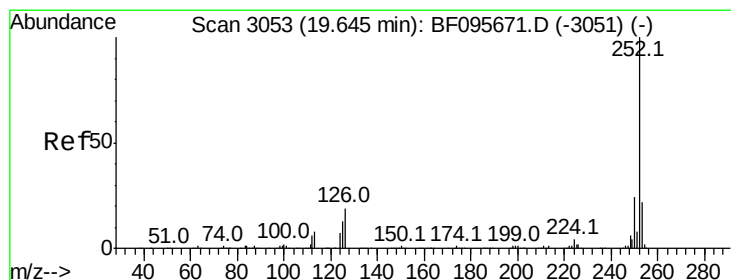
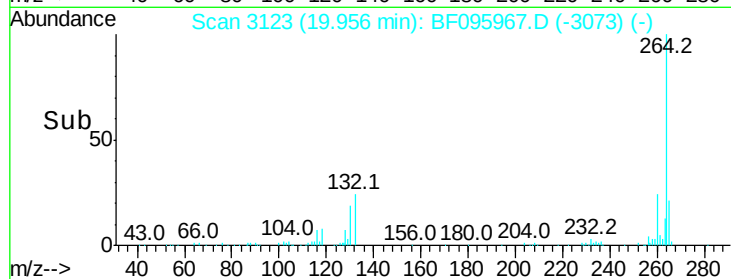
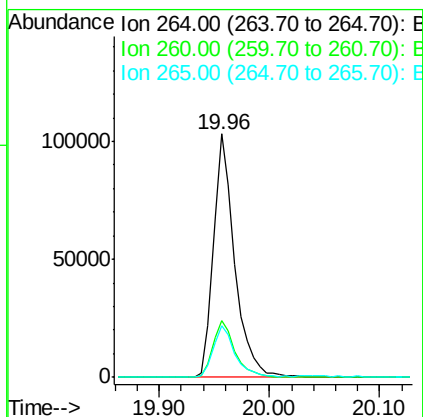
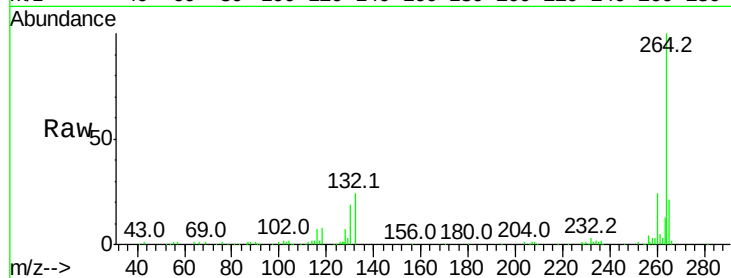




#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 136335
Ion Ratio Lower Upper
264 100
260 23.6 19.5 29.3
265 21.0 17.2 25.8



#88
Benzo(k)fluoranthene
Concen: 2.02 ng
RT: 19.57 min Scan# 3057
Delta R.T. -0.02 min
Lab File: BF095967.D
Acq: 16 Jun 2017 21:22

Tgt Ion:252 Resp: 16487
Ion Ratio Lower Upper
252 100
253 27.8 18.4 27.6#
125 18.9 13.1 19.7

