

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061617\
 Data File : BF095969.D
 Acq On : 16 Jun 2017 22:26
 Operator : SJ/MA
 Sample : I3684-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 17 00:38:20 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

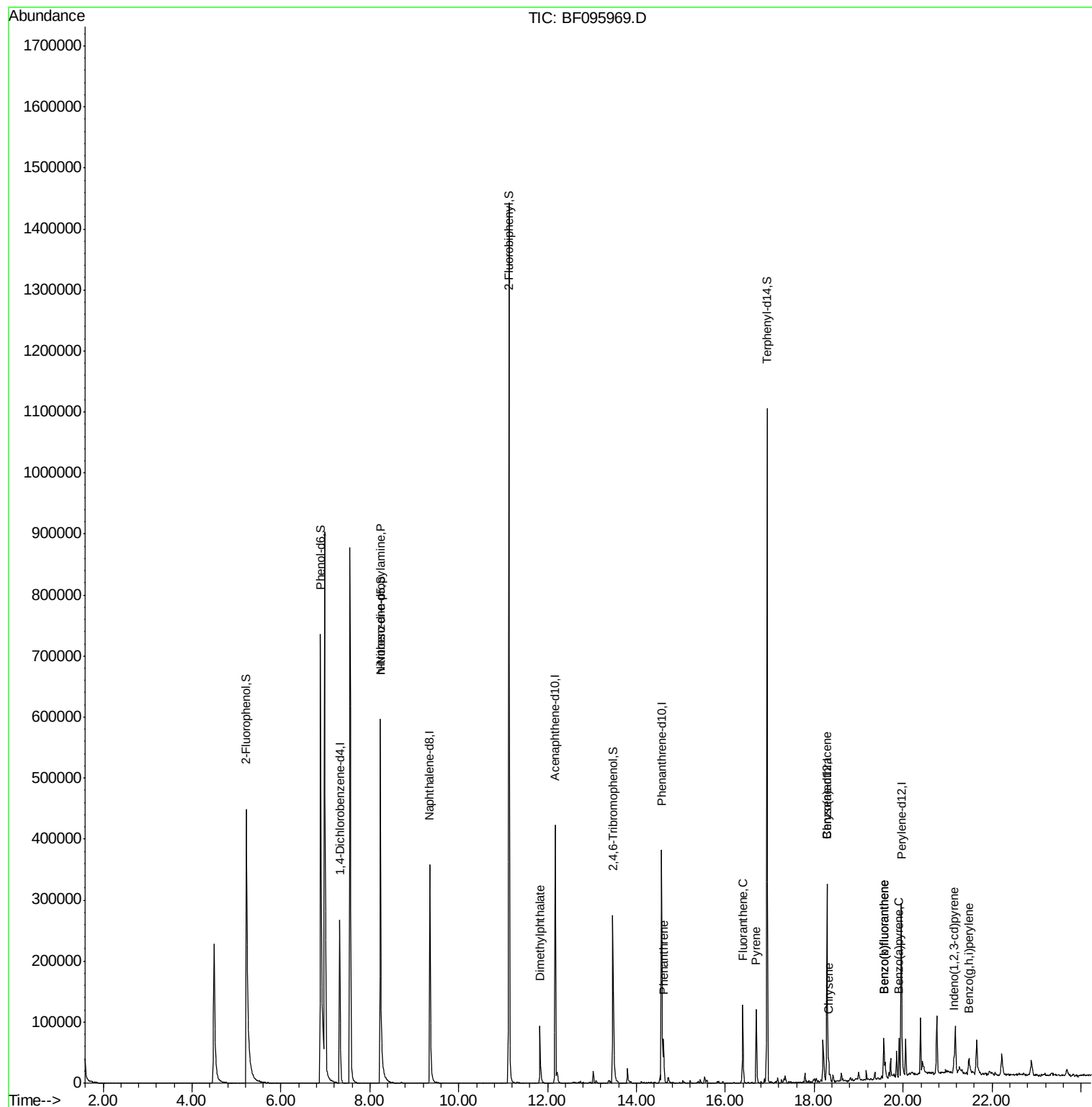
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	67642	20.00	ng	0.00
21) Naphthalene-d8	9.35	136	278036	20.00	ng	0.00
38) Acenaphthene-d10	12.17	164	125735	20.00	ng	-0.01
63) Phenanthrene-d10	14.56	188	205398	20.00	ng	0.00
75) Chrysene-d12	18.29	240	133330	20.00	ng	-0.01
86) Perylene-d12	19.96	264	134582	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	353854	83.36	ng	0.00
7) Phenol-d6	6.89	99	535635	105.40	ng	-0.02
23) Nitrobenzene-d5	8.24	82	327686	73.19	ng	-0.01
41) 2,4,6-Tribromophenol	13.47	330	56310	50.62	ng	-0.01
44) 2-Fluorobiphenyl	11.13	172	641498	71.00	ng	0.00
78) Terphenyl-d14	16.94	244	429882	80.02	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.24	70	41185	12.79	ng	# 77
49) Dimethylphthalate	11.83	163	70543	7.39	ng	98
70) Phenanthrene	14.60	178	52472	4.43	ng	96
74) Fluoranthene	16.39	202	77030	6.57	ng	96
77) Pyrene	16.69	202	66672	6.70	ng	# 94
80) Benzo(a)anthracene	18.28	228	27140	3.50	ng	96
82) Chrysene	18.33	228	27144	3.50	ng	96
85) Indeno(1,2,3-cd)pyrene	21.14	276	17001	2.56	ng	95
87) Benzo(b)fluoranthene	19.56	252	37934	4.50	ng	# 93
88) Benzo(k)fluoranthene	19.56	252	37934	4.71	ng	96
89) Benzo(a)pyrene	19.91	252	27629	3.57	ng	98
91) Benzo(a,h,i)perylene	21.47	276	16243	2.42	ng	98

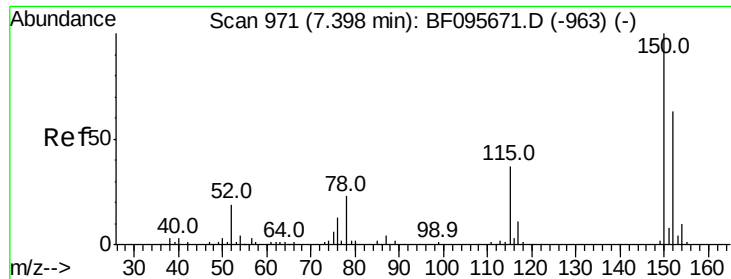
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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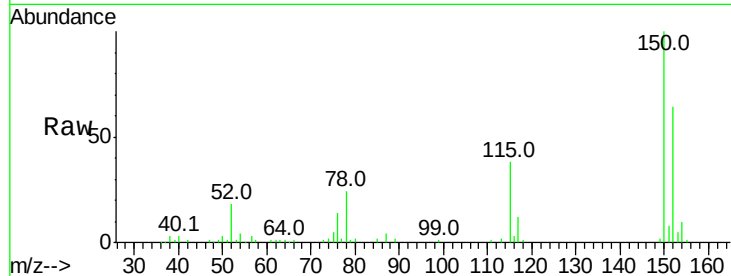


#1

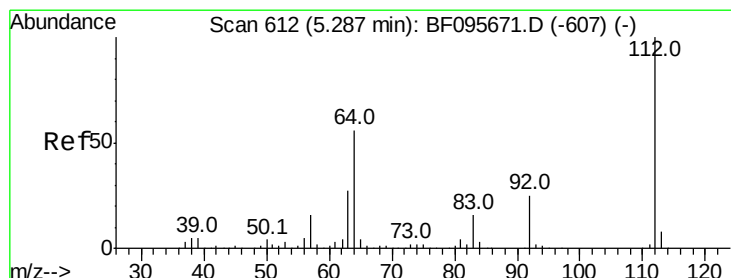
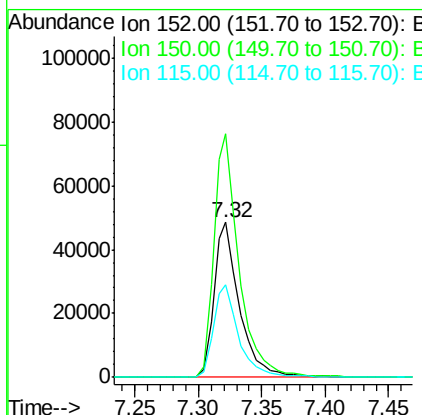
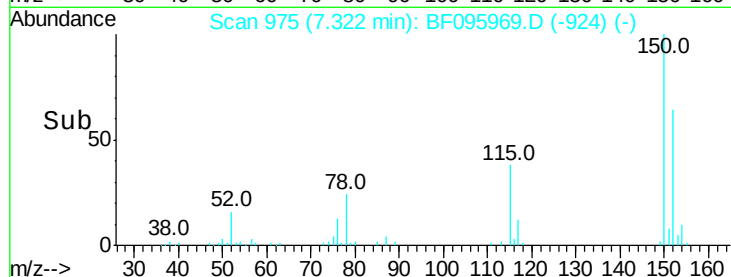
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 67642
Ion Ratio Lower Upper
152 100
150 157.3 126.2 189.2
115 59.9 52.2 78.2



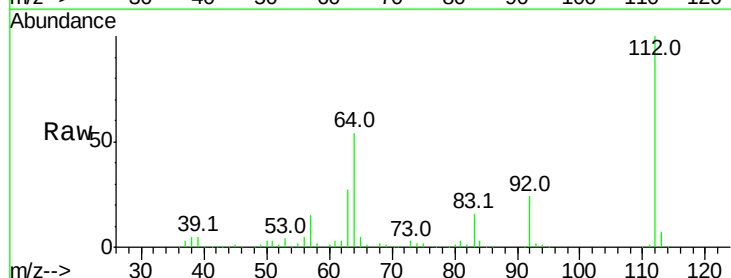
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



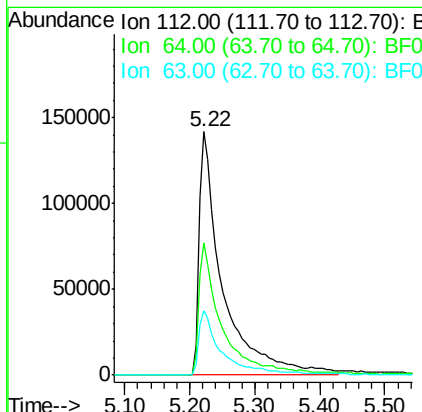
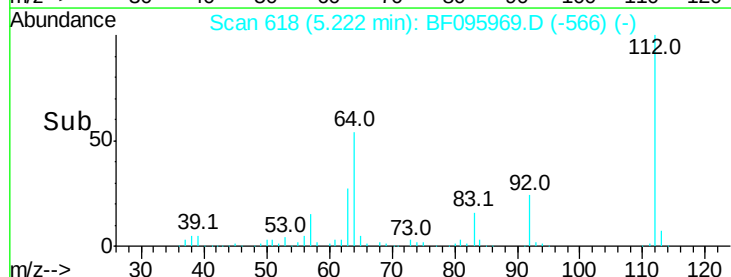
#5

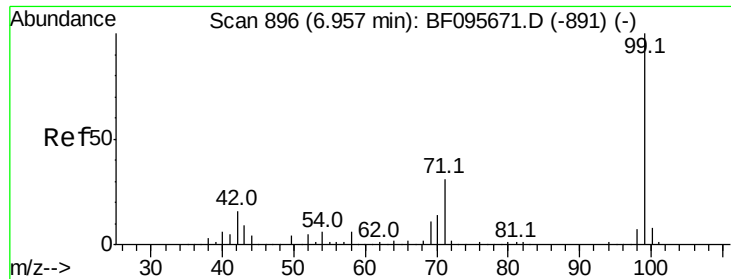
2-Fluorophenol
Concen: 83.36 ng
RT: 5.22 min Scan# 618
Delta R.T. 0.01 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Tgt Ion:112 Resp: 353854
Ion Ratio Lower Upper
112 100
64 54.5 46.0 69.0
63 26.6 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: 105.40 ng

RT: 6.89 min Scan# 902

Delta R.T. -0.02 min

Lab File: BF095969.D

Acq: 16 Jun 2017 22:26

Instrument :

BNA_F

ClientSampleId :

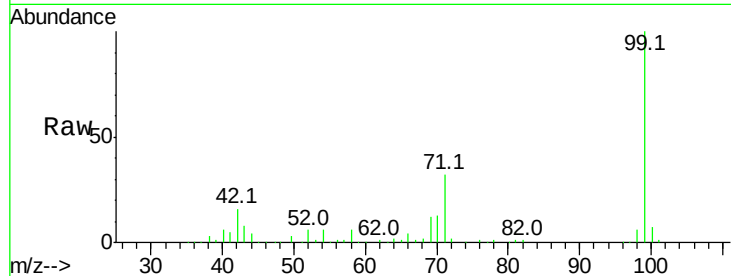
Tot Ion: 99 Resp: 535635

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

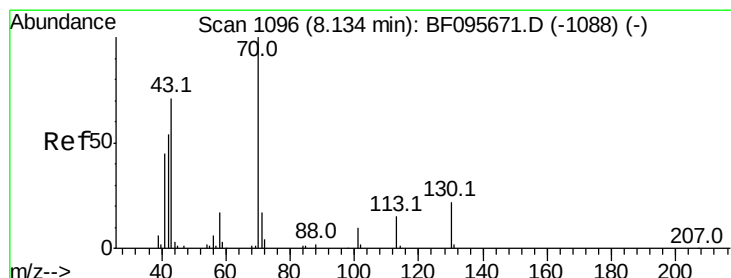
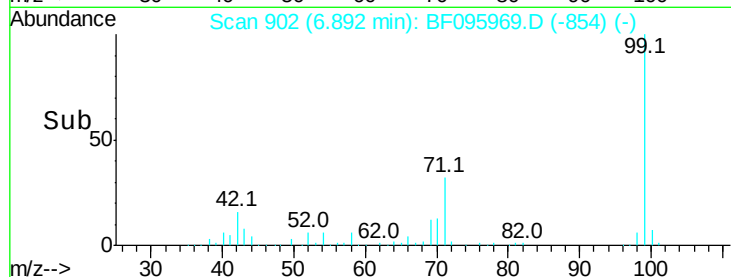
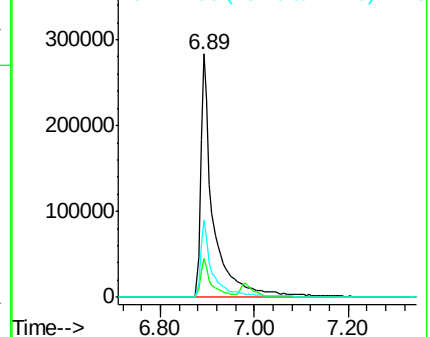
71 31.7 24.5 36.7



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: 12.79 ng

RT: 8.24 min Scan# 1131

Delta R.T. 0.17 min

Lab File: BF095969.D

Acq: 16 Jun 2017 22:26

Tgt Ion: 70 Resp: 41185

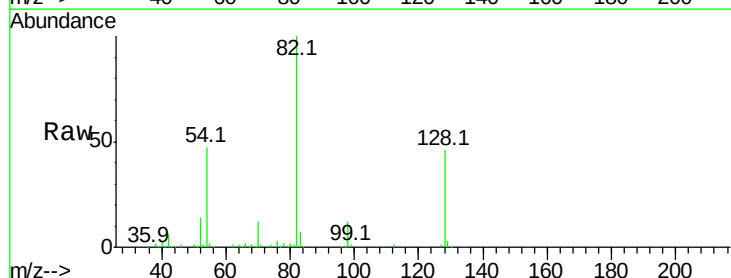
Ion Ratio Lower Upper

70 100

42 46.2 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

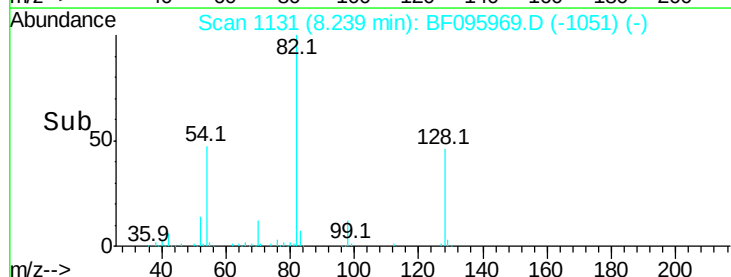
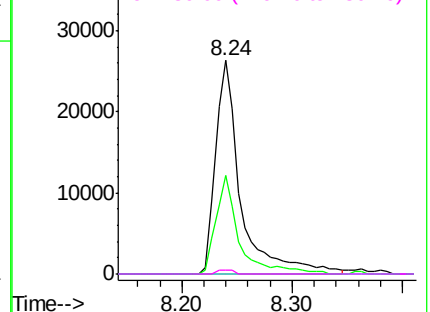


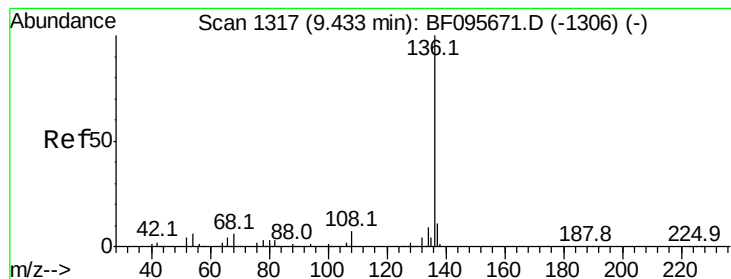
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095969.D

Acq: 16 Jun 2017 22:26

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 278036

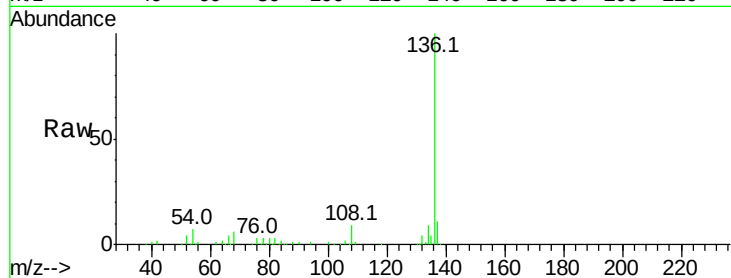
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.8 4.9 7.3

68 5.6 4.1 6.1

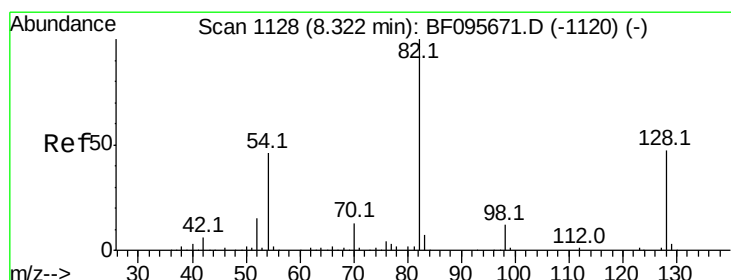
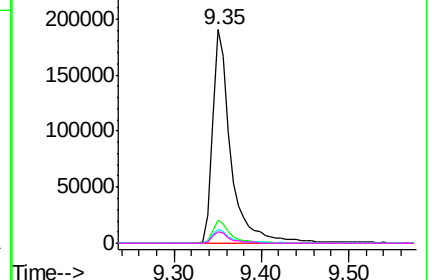
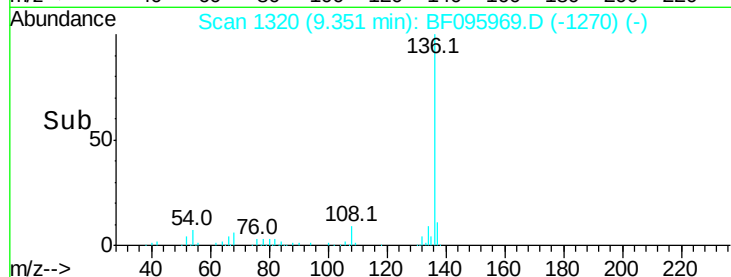


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.19 ng

RT: 8.24 min Scan# 1131

Delta R.T. -0.01 min

Lab File: BF095969.D

Acq: 16 Jun 2017 22:26

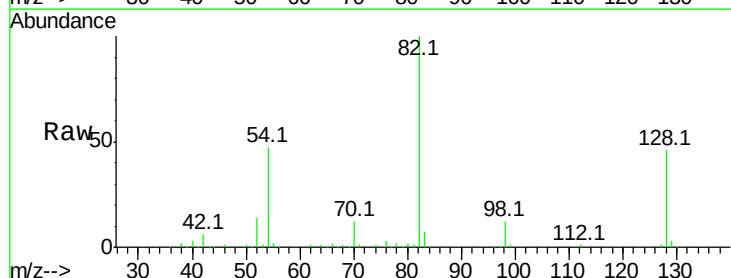
Tgt Ion: 82 Resp: 327686

Ion Ratio Lower Upper

82 100

128 46.0 34.0 51.0

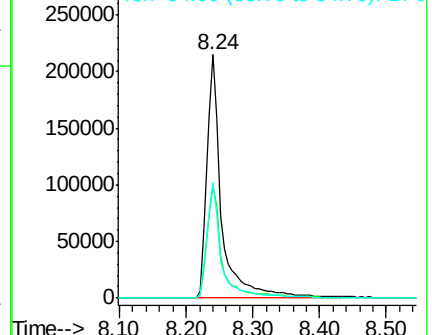
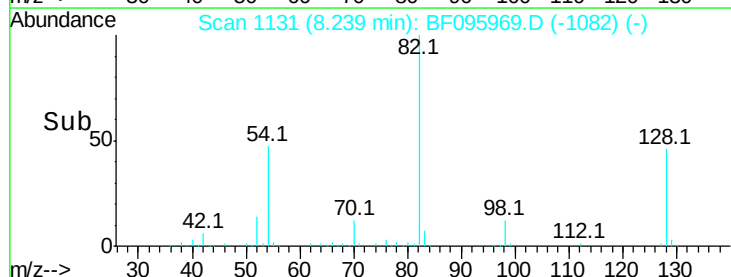
54 47.3 42.2 63.2

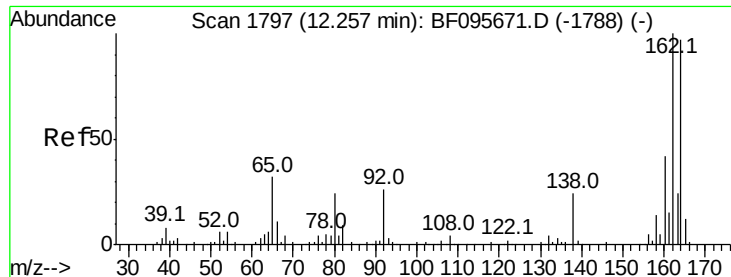


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF095969.D

Acq: 16 Jun 2017 22:26

Instrument :

BNA_F

ClientSampleId :

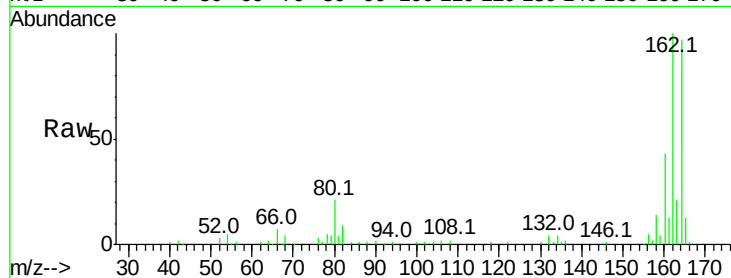
Tot Ion:164 Resp: 125735

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

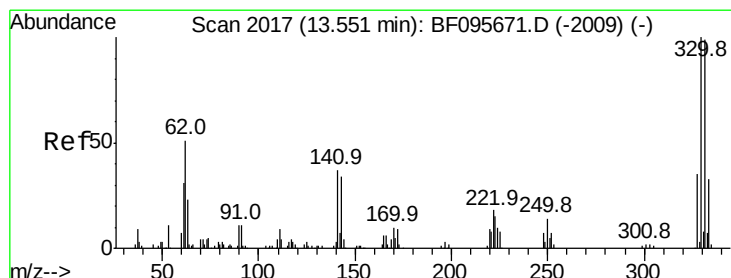
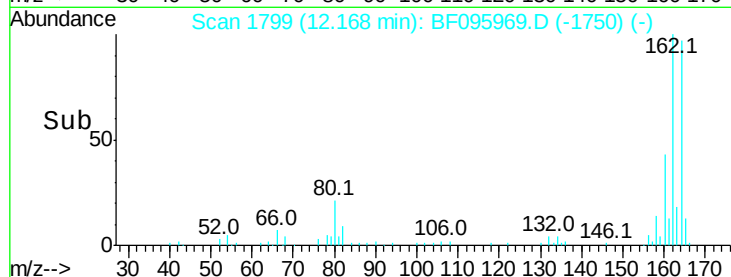
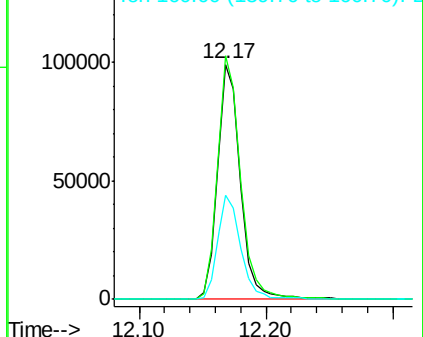
160 44.3 36.2 54.2



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: 50.62 ng

RT: 13.47 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF095969.D

Acq: 16 Jun 2017 22:26

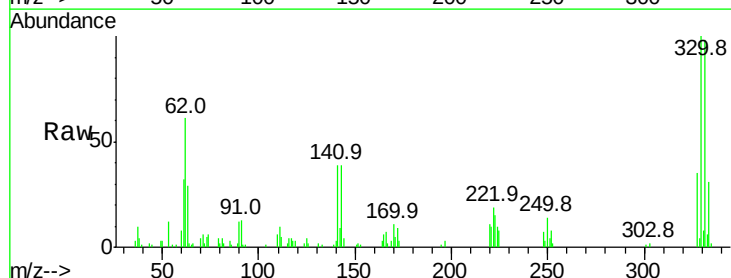
Tgt Ion:330 Resp: 56310

Ion Ratio Lower Upper

330 100

332 95.2 76.6 115.0

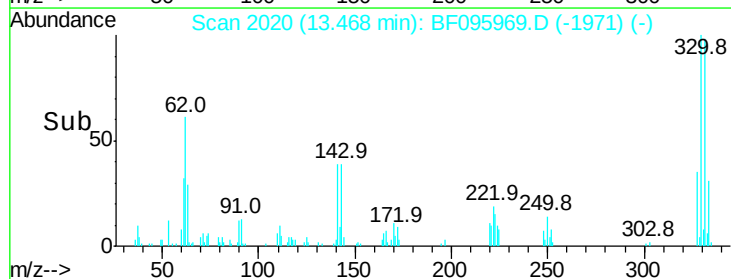
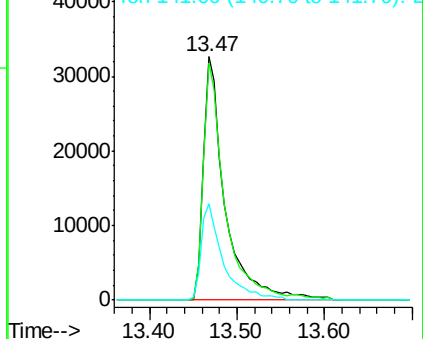
141 39.6 31.4 47.2

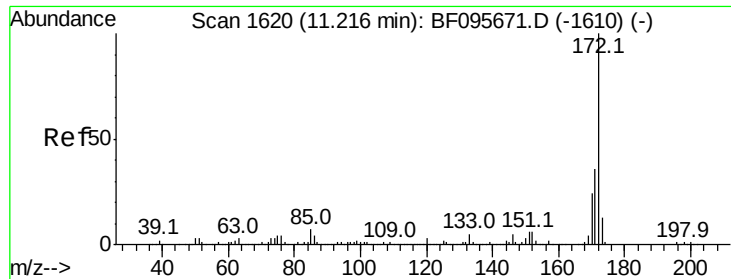


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

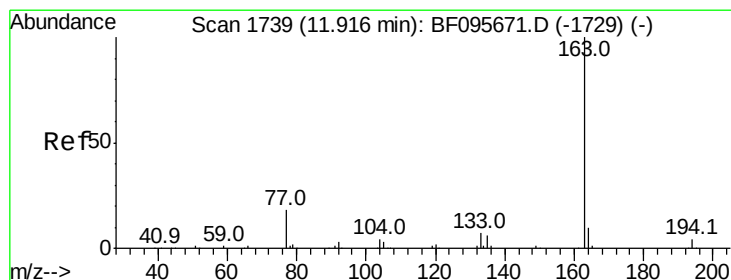
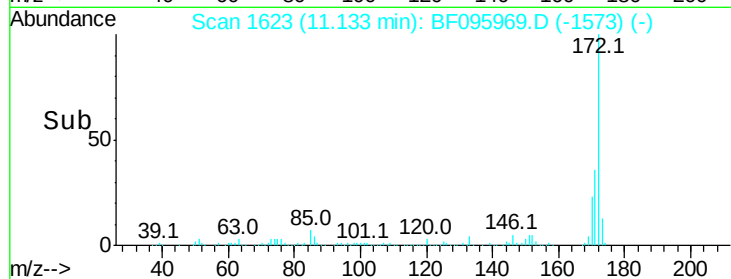
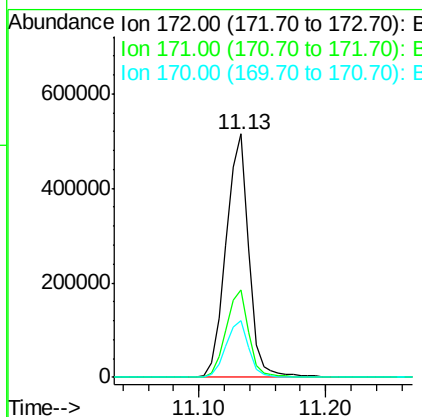
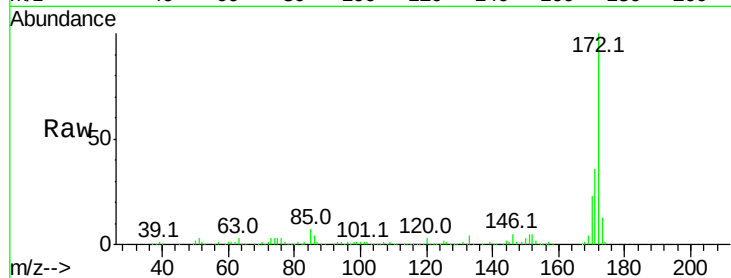




#44
2-Fluorobiphenyl
Concen: 71.00 ng
RT: 11.13 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

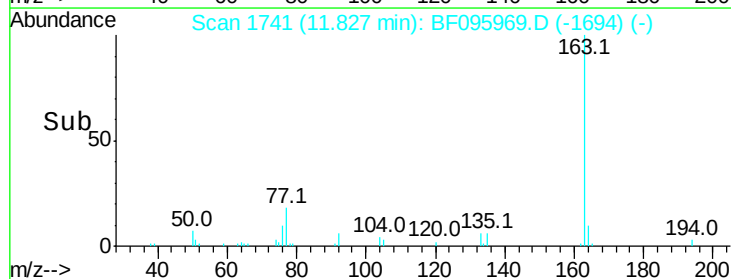
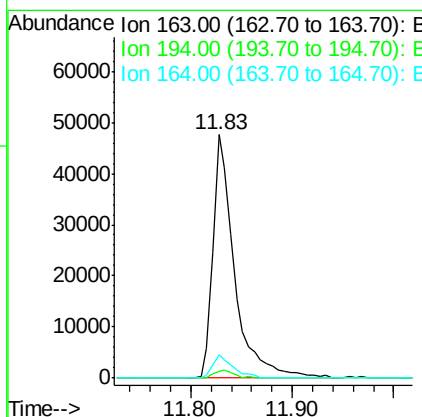
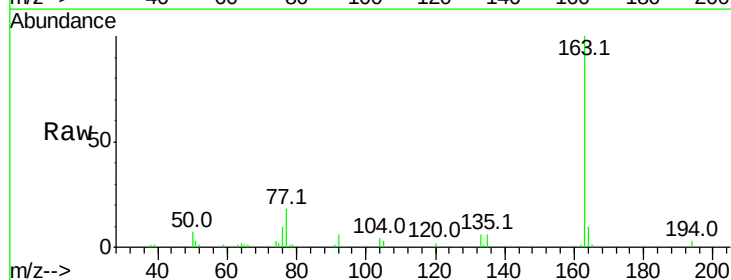
Instrument :
BNA_F
ClientSampleId :

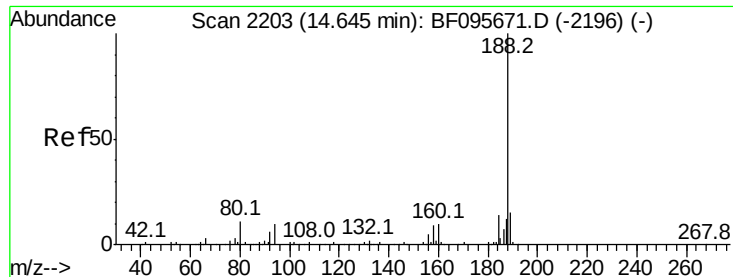
Tot Ion:172 Resp: 641498
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 23.5 19.8 29.8



#49
Dimethylphthalate
Concen: 7.39 ng
RT: 11.83 min Scan# 1741
Delta R.T. -0.02 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Tgt Ion:163 Resp: 70543
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 9.8 8.4 12.6

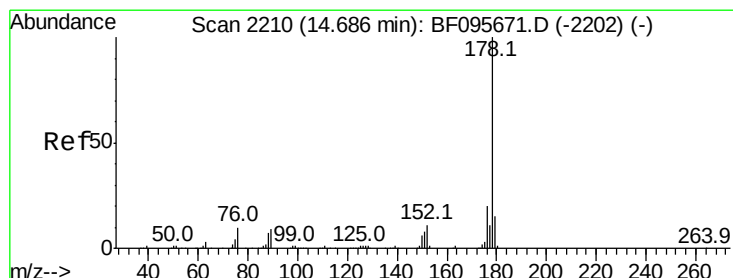
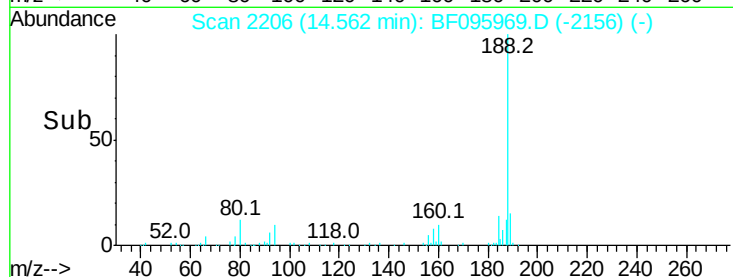
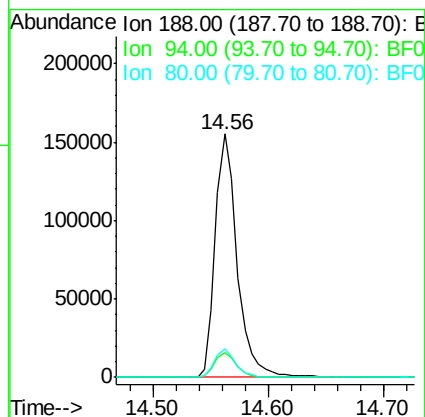
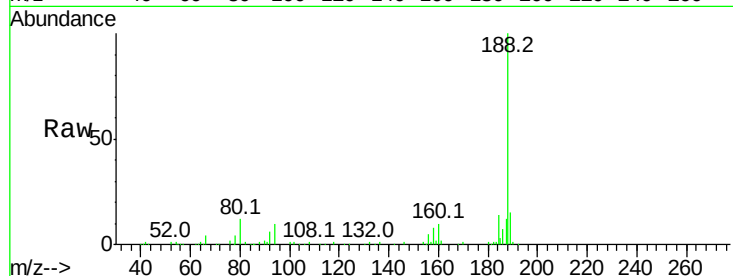




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.56 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

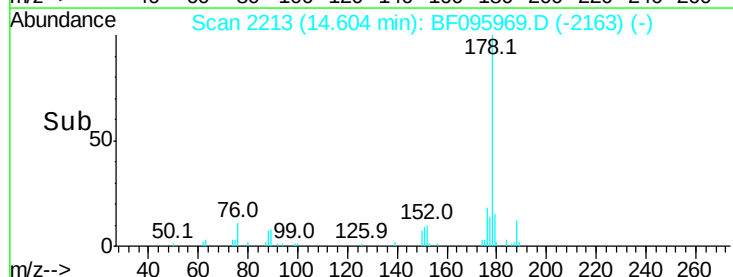
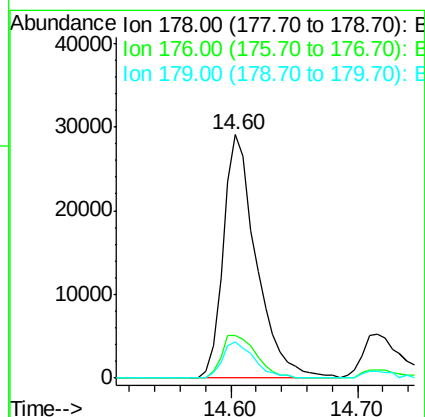
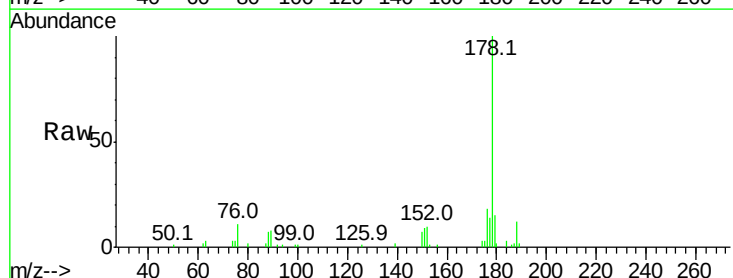
Instrument :
BNA_F
ClientSampled :

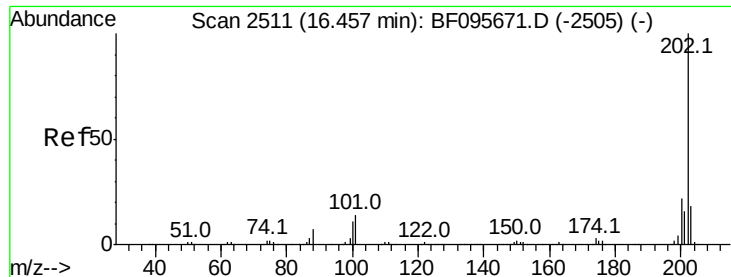
Tot Ion:188 Resp: 205398
Ion Ratio Lower Upper
188 100
94 10.2 9.4 14.2
80 11.6 10.2 15.2



#70
Phenanthrene
Concen: 4.43 ng
RT: 14.60 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Tgt Ion:178 Resp: 52472
Ion Ratio Lower Upper
178 100
176 17.5 16.2 24.4
179 15.1 12.6 19.0

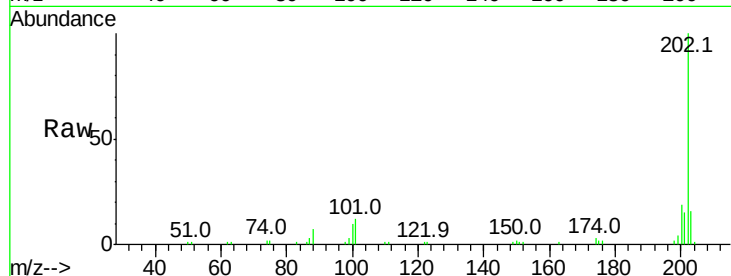




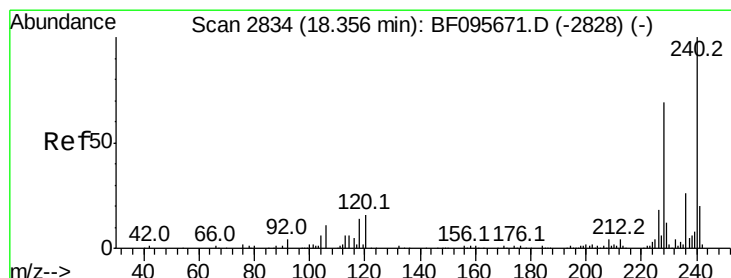
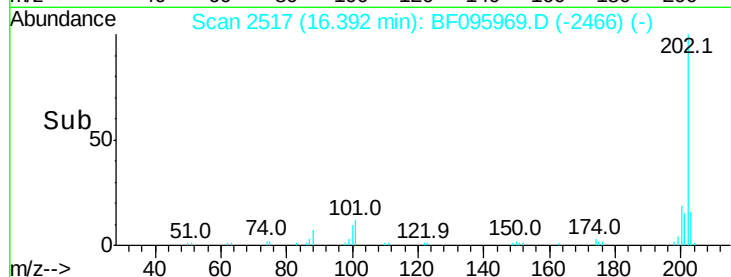
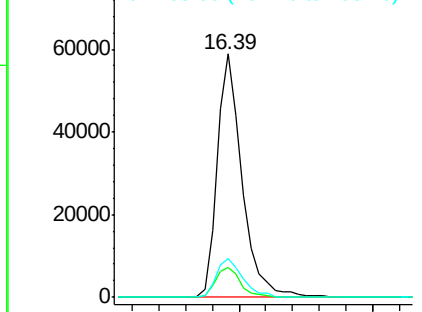
#74
 Fluoranthene
 Concen: 6.57 ng
 RT: 16.39 min Scan# 2517
 Delta R.T. 0.00 min
 Lab File: BF095969.D
 Acq: 16 Jun 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 77030
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 33.2
 203 16.0 0.0 38.1

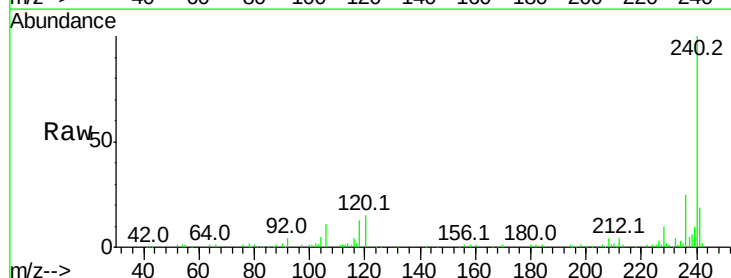


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

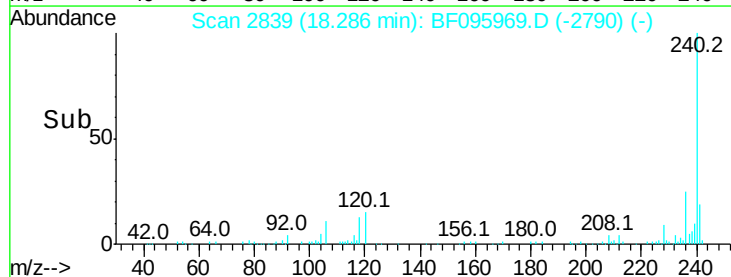
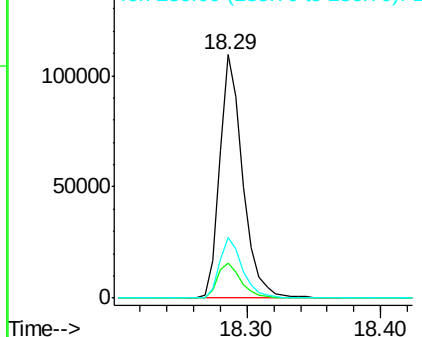


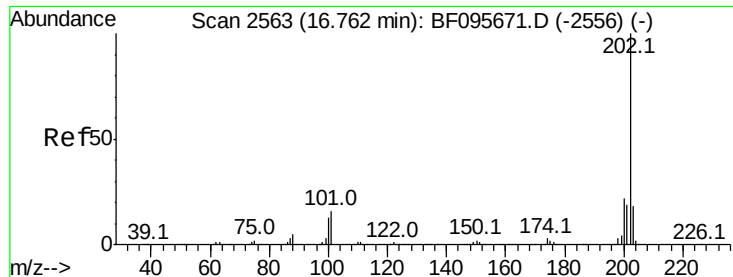
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.29 min Scan# 2839
 Delta R.T. -0.01 min
 Lab File: BF095969.D
 Acq: 16 Jun 2017 22:26

Tgt Ion:240 Resp: 133330
 Ion Ratio Lower Upper
 240 100
 120 14.5 5.8 8.8#
 236 24.8 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

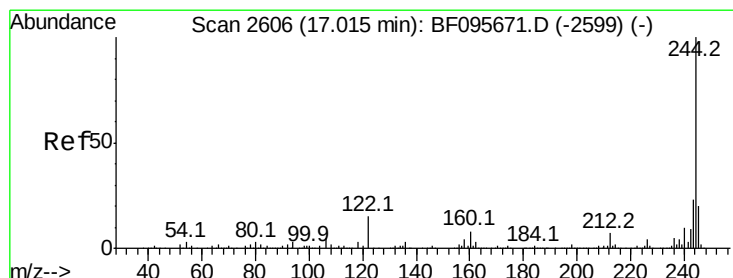
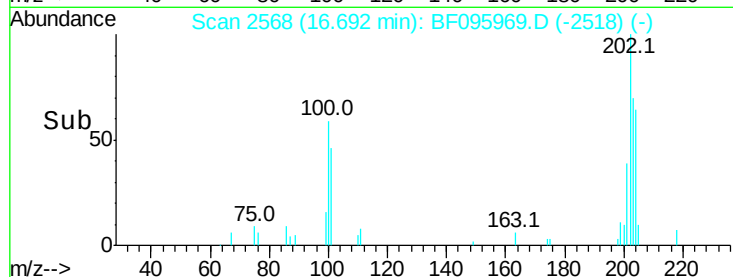
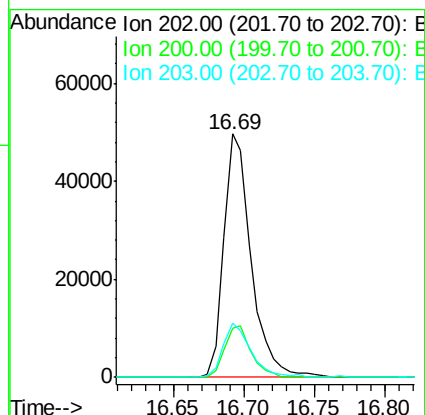
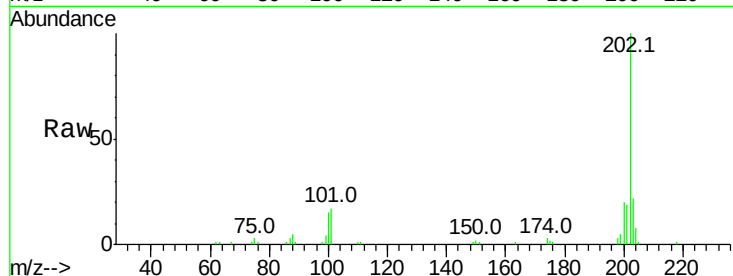




#77
Pvrene
Concen: 6.70 ng
RT: 16.69 min Scan# 2568
Delta R.T. -0.01 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

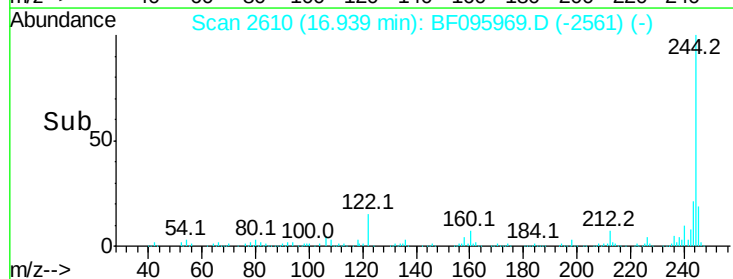
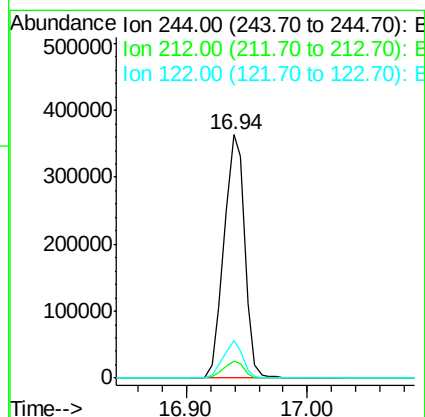
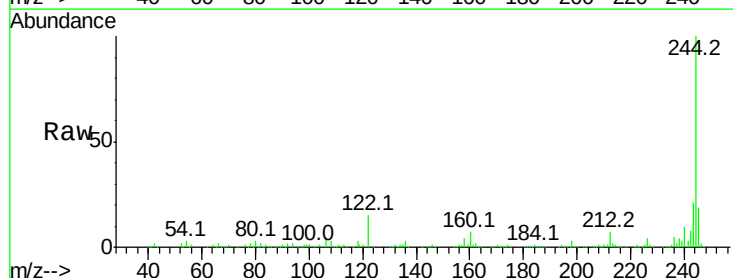
Instrument :
BNA_F
ClientSampleId :

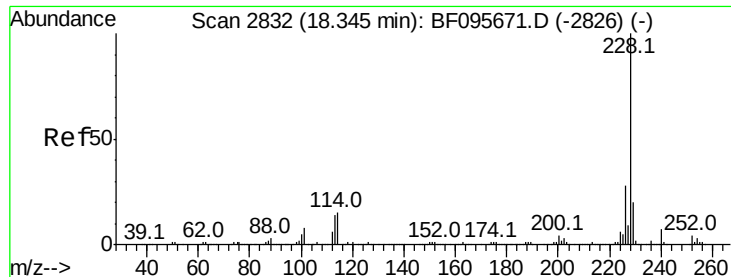
Tot Ion:202 Resp: 66672
Ion Ratio Lower Upper
202 100
200 20.3 17.6 26.4
203 22.4 14.4 21.6#



#78
Terphenyl-d14
Concen: 80.02 ng
RT: 16.94 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Tgt Ion:244 Resp: 429882
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 15.4 10.3 15.5





#80

Benzo(a)anthracene

Concen: 3.50 ng

RT: 18.28 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BF095969.D

Acq: 16 Jun 2017 22:26

Instrument :

BNA_F

ClientSampleId :

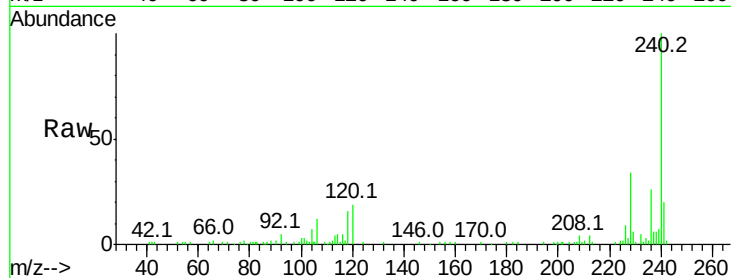
Tot Ion:228 Resp: 27140

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

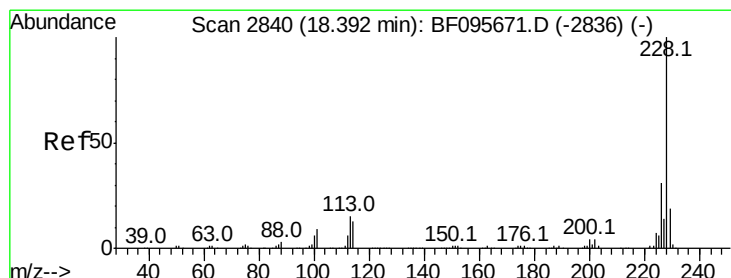
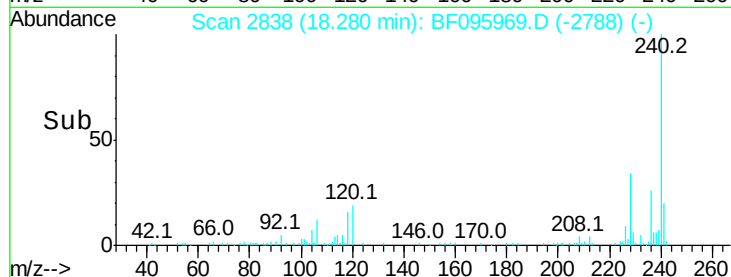
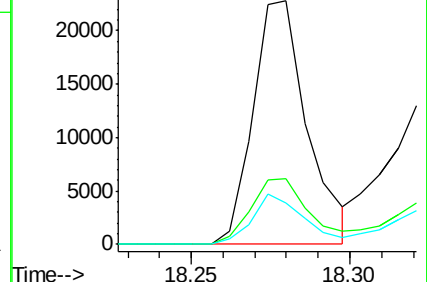
229 16.8 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 3.50 ng

RT: 18.33 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF095969.D

Acq: 16 Jun 2017 22:26

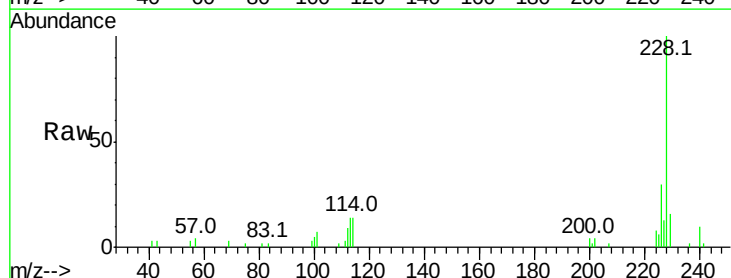
Tgt Ion:228 Resp: 27144

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

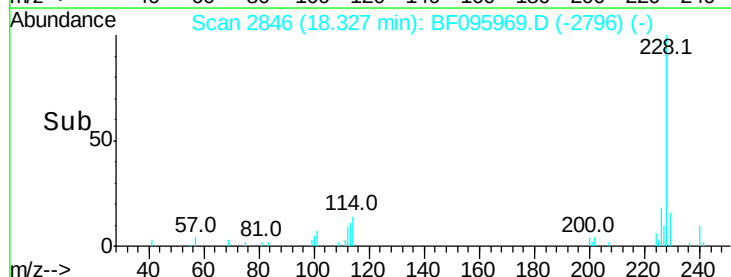
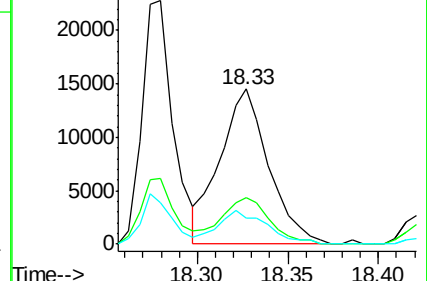
229 16.5 15.8 23.6

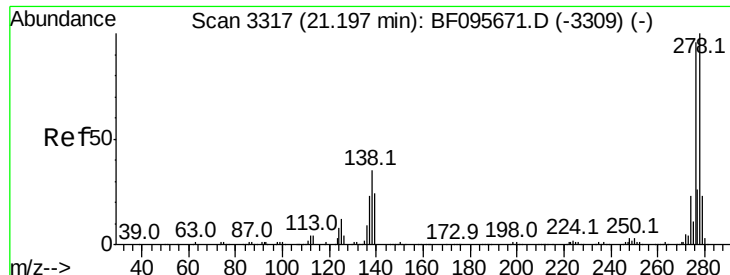


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

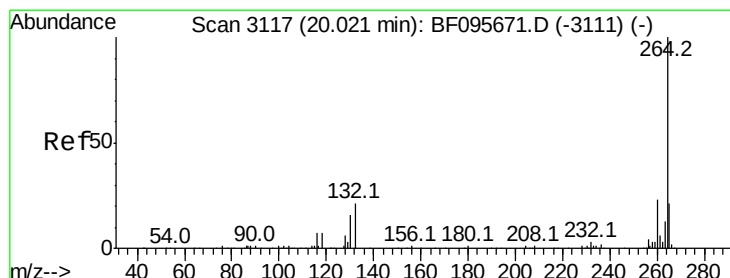
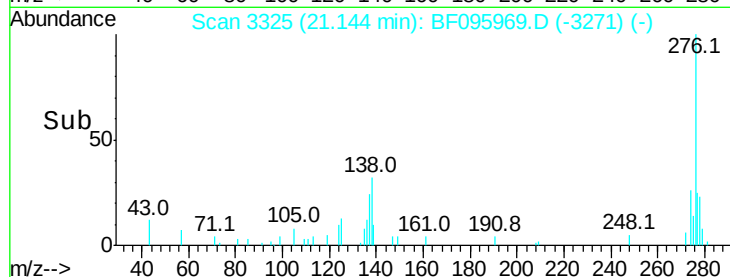
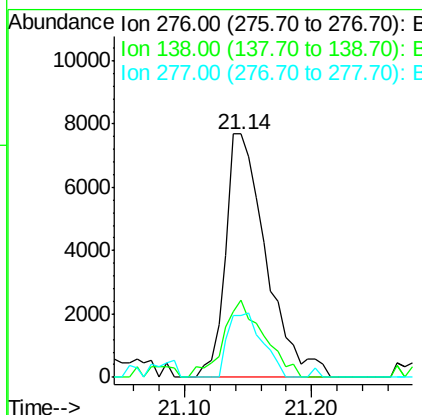
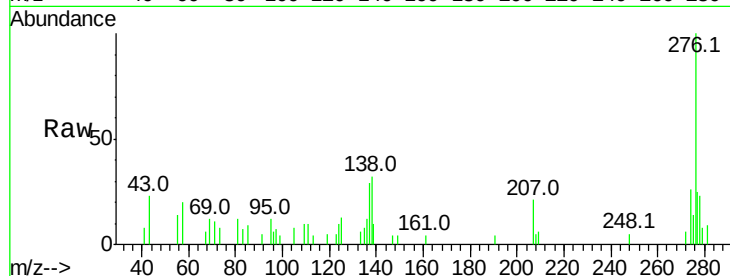




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.56 ng
 RT: 21.14 min Scan# 3325
 Delta R.T. 0.02 min
 Lab File: BF095969.D
 Acq: 16 Jun 2017 22:26

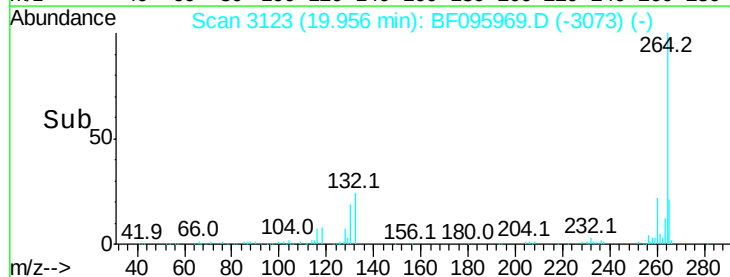
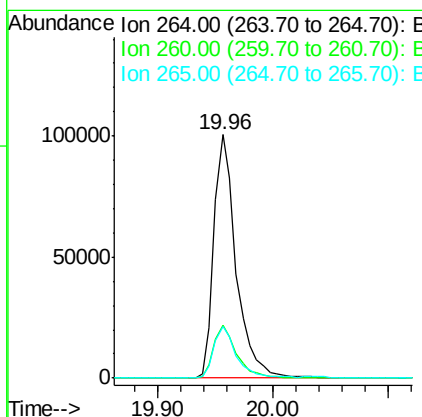
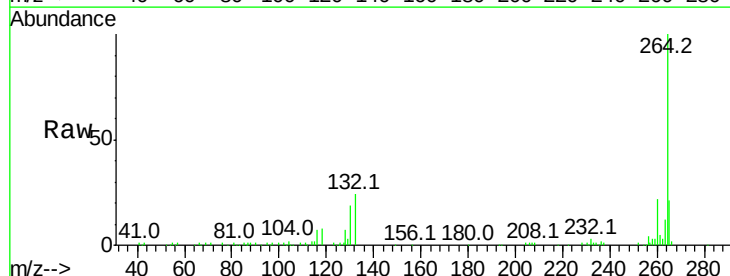
Instrument :
 BNA_F
 ClientSampled :

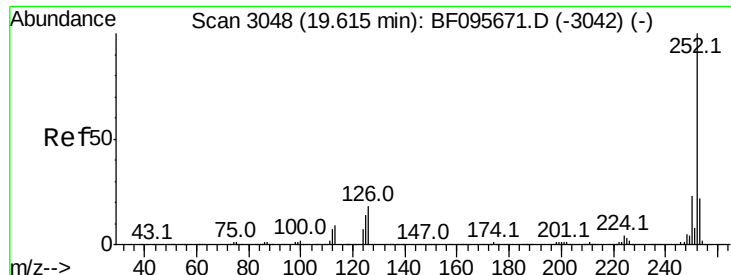
Tot Ion:276 Resp: 17001
 Ion Ratio Lower Upper
 276 100
 138 31.8 27.8 41.6
 277 22.5 20.2 30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.96 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF095969.D
 Acq: 16 Jun 2017 22:26

Tgt Ion:264 Resp: 134582
 Ion Ratio Lower Upper
 264 100
 260 21.7 19.5 29.3
 265 20.9 17.2 25.8

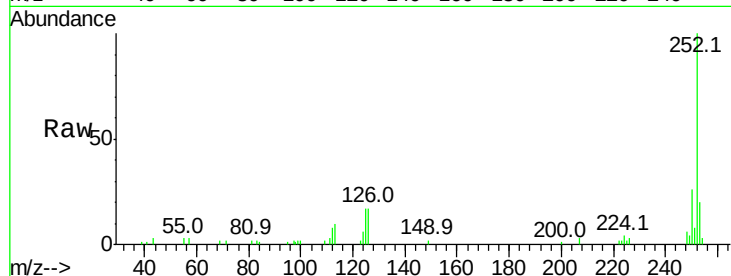




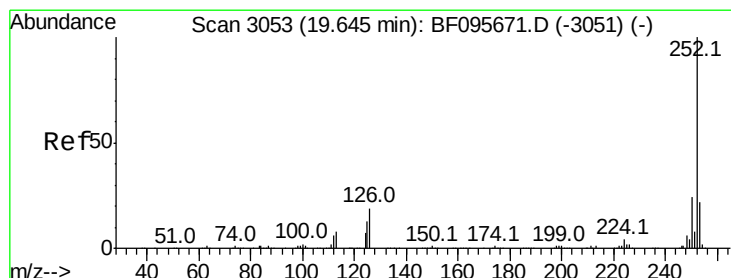
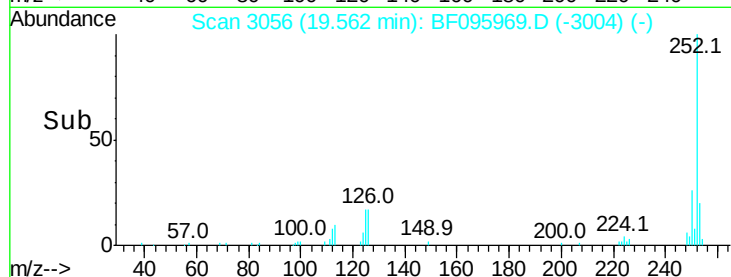
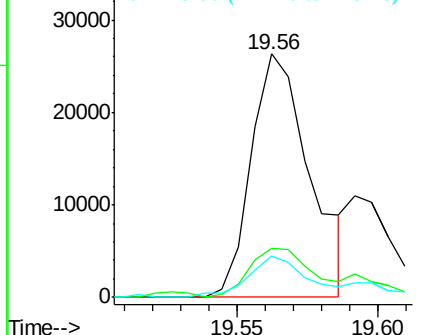
#87
Benzo(b)fluoranthene
Concen: 4.50 ng
RT: 19.56 min Scan# 3056
Delta R.T. 0.01 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 37934
Ion Ratio Lower Upper
252 100
253 20.4 18.1 27.1
125 16.8 9.8 14.8#

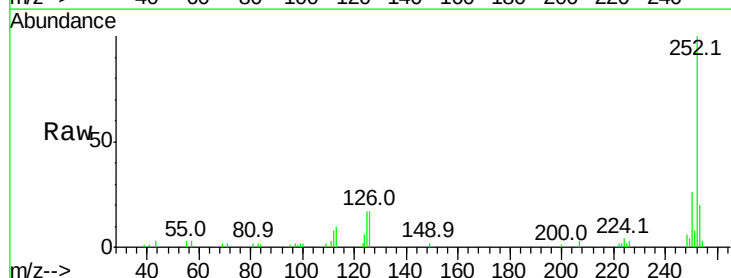


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

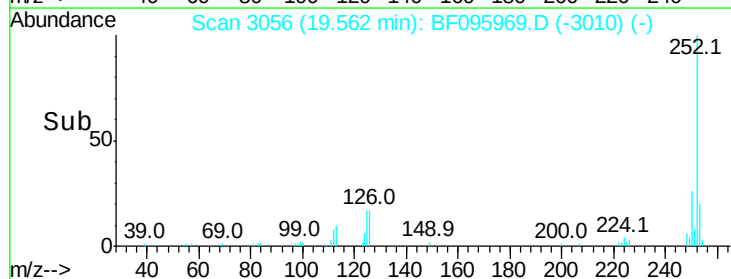
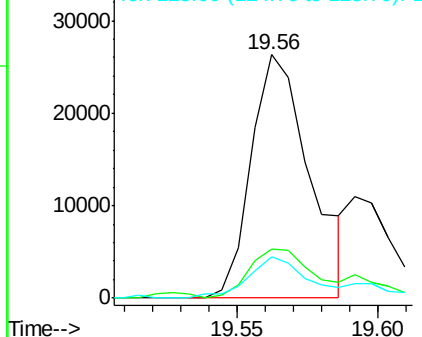


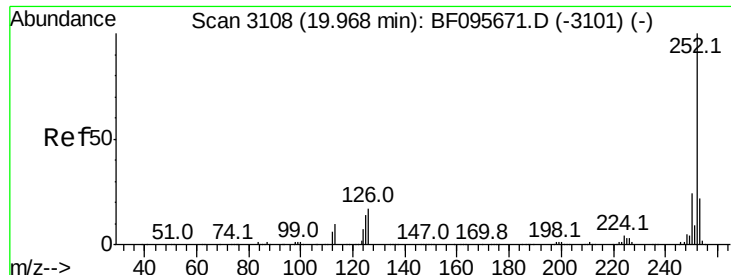
#88
Benzo(k)fluoranthene
Concen: 4.71 ng
RT: 19.56 min Scan# 3056
Delta R.T. -0.03 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Tgt Ion:252 Resp: 37934
Ion Ratio Lower Upper
252 100
253 20.4 18.4 27.6
125 16.8 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

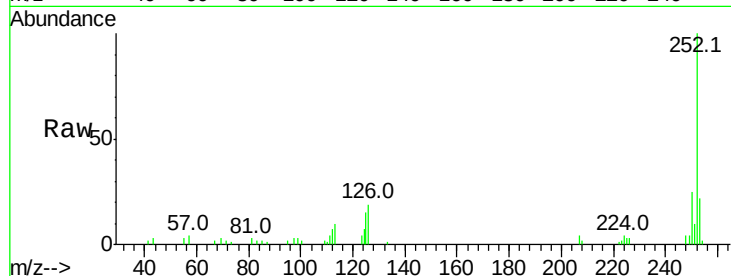




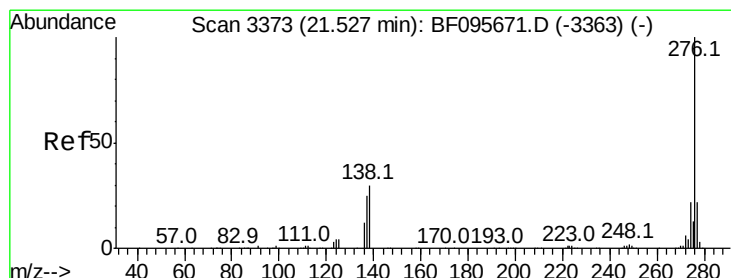
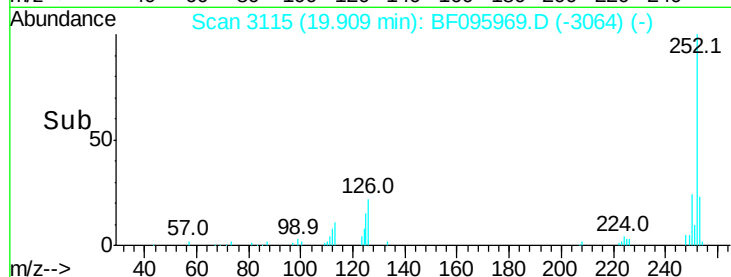
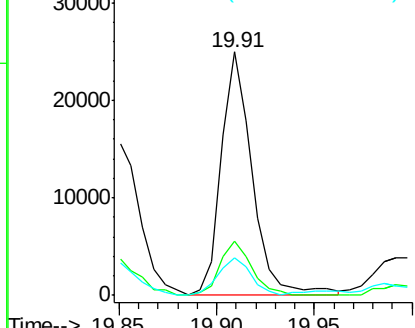
#89
Benzo(a)pyrene
Concen: 3.57 ng
RT: 19.91 min Scan# 3115
Delta R.T. 0.00 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 27629
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 15.2 11.0 16.4

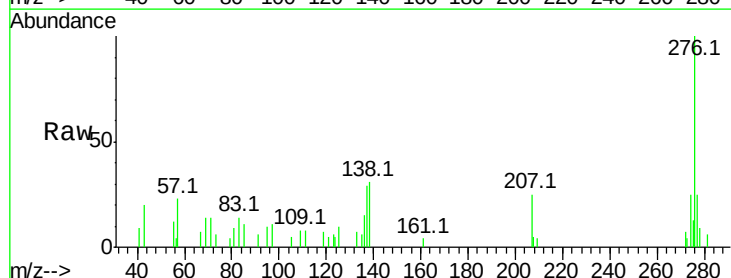


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.42 ng
RT: 21.47 min Scan# 3381
Delta R.T. 0.03 min
Lab File: BF095969.D
Acq: 16 Jun 2017 22:26

Tgt Ion:276 Resp: 16243
Ion Ratio Lower Upper
276 100
277 24.8 18.6 28.0
138 31.5 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

