

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095906.D
 Acq On : 13 Jun 2017 21:50
 Operator : SJ/MA
 Sample : I3629-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 04:13:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

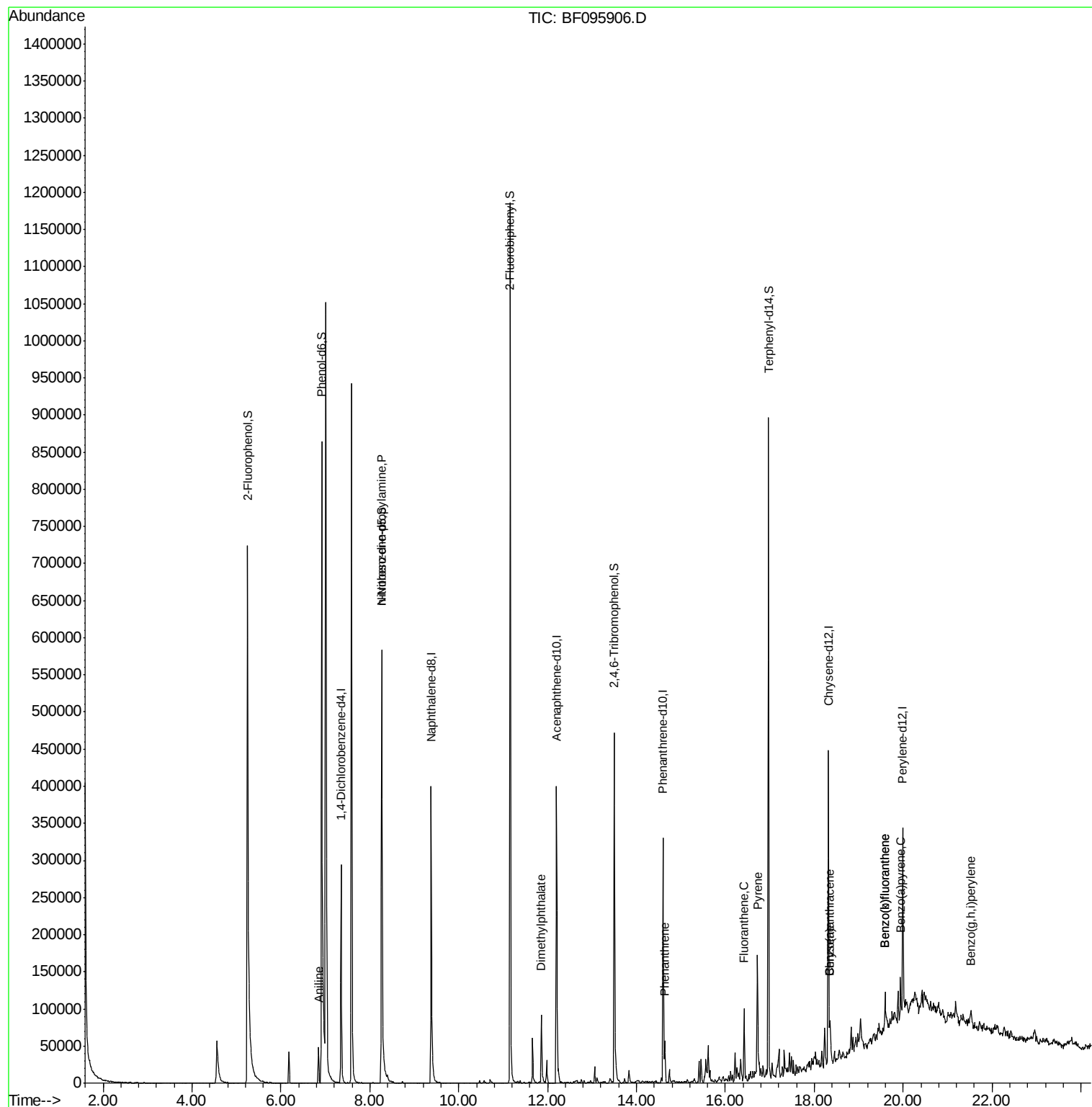
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	76808	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	297363	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	119708	20.00	ng	-0.06
63) Phenanthrene-d10	14.60	188	180955	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	154986	20.00	ng	-0.04
86) Perylene-d12	19.99	264	115434	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	481464	99.88	ng	-0.04
7) Phenol-d6	6.92	99	576753	99.95	ng	-0.04
23) Nitrobenzene-d5	8.27	82	326813	68.26	ng	-0.05
41) 2,4,6-Tribromophenol	13.50	330	91096	86.01	ng	-0.05
44) 2-Fluorobiphenyl	11.16	172	560645	65.17	ng	-0.05
78) Terphenyl-d14	16.97	244	333589	53.42	ng	-0.05
Target Compounds						Qvalue
6) Aniline	6.85	93	15272	2.02	ng	# 49
19) n-Nitroso-di-n-propylamine	8.27	70	39303	10.75	ng	# 73
49) Dimethylphthalate	11.86	163	63316	6.97	ng	100
70) Phenanthrene	14.64	178	37636	3.60	ng	95
74) Fluoranthene	16.42	202	53285	5.16	ng	98
77) Pyrene	16.72	202	73474	6.35	ng	97
80) Benzo(a)anthracene	18.35	228	34830	3.87	ng	97
82) Chrysene	18.35	228	34830	3.87	ng	93
87) Benzo(b)fluoranthene	19.59	252	34863	4.82	ng	# 92
88) Benzo(k)fluoranthene	19.59	252	34863	5.05	ng	96
89) Benzo(a)pyrene	19.94	252	21906	3.30	ng	# 95
91) Benzo(a,h,i)perylene	21.52	276	12702	2.21	ng	97

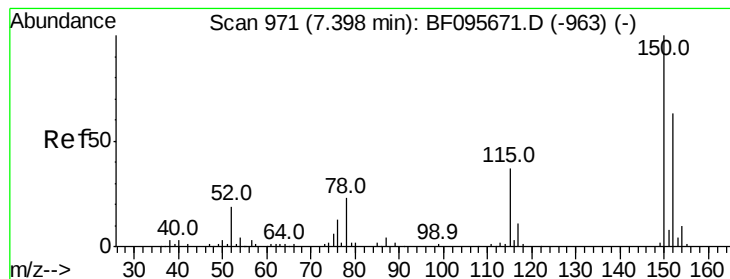
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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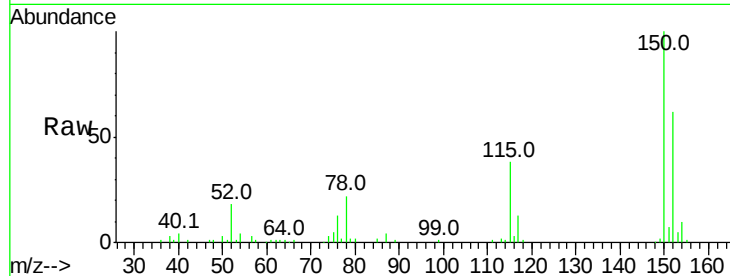


#1

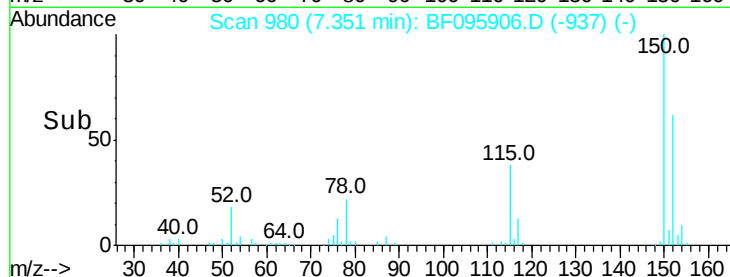
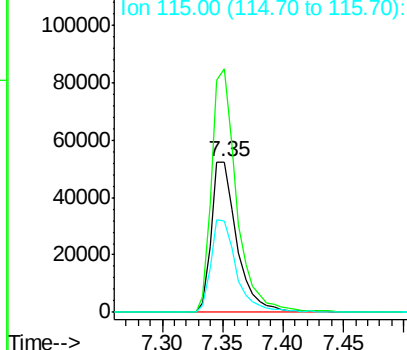
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 980
 Delta R.T. -0.05 min
 Lab File: BF095906.D
 Acq: 13 Jun 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 76808
 Ion Ratio Lower Upper
 152 100
 150 161.5 126.2 189.2
 115 60.7 52.2 78.2



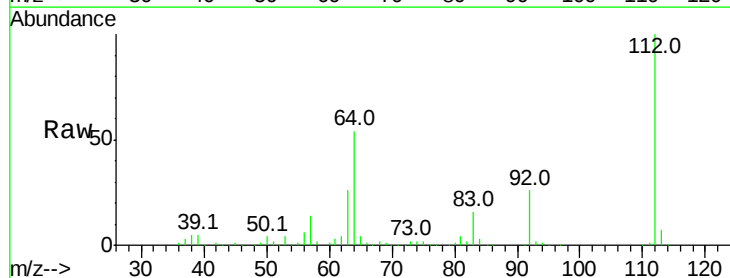
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



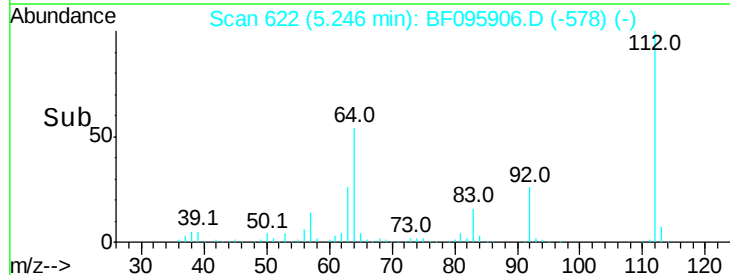
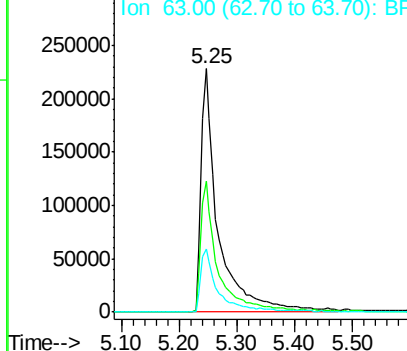
#5

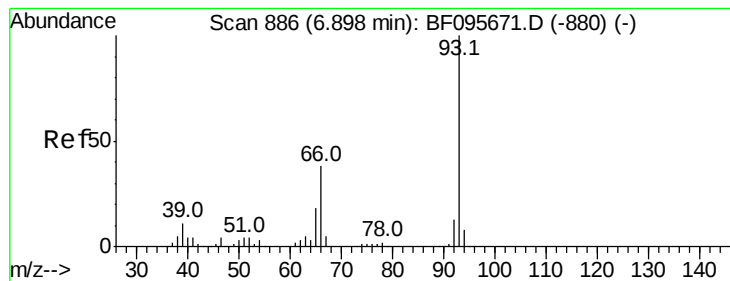
2-Fluorophenol
 Concen: 99.88 ng
 RT: 5.25 min Scan# 622
 Delta R.T. -0.04 min
 Lab File: BF095906.D
 Acq: 13 Jun 2017 21:50

Tgt Ion:112 Resp: 481464
 Ion Ratio Lower Upper
 112 100
 64 53.7 46.0 69.0
 63 26.0 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





#6

Aniline

Concen: 2.02 ng

RT: 6.85 min Scan# 894

Delta R.T. -0.05 min

Lab File: BF095906.D

Acq: 13 Jun 2017 21:50

Instrument :

BNA_F

ClientSampleId :

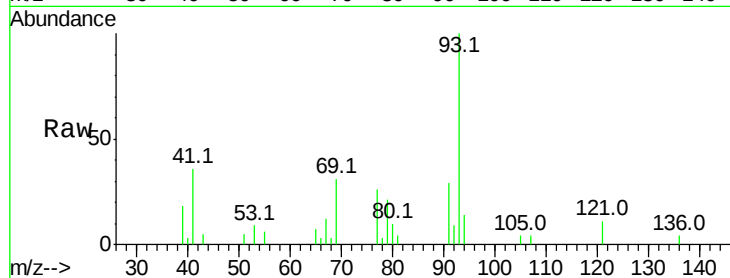
Tot Ion: 93 Resp: 15272

Ion Ratio Lower Upper

93 100

66 2.7 32.9 49.3#

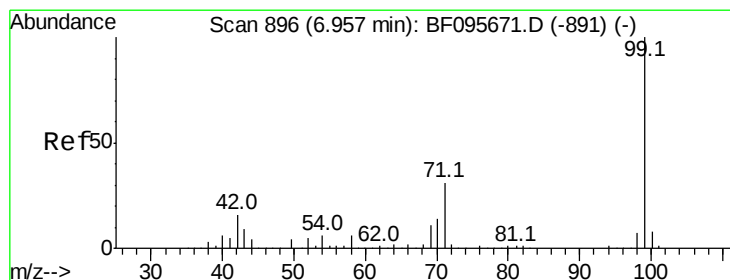
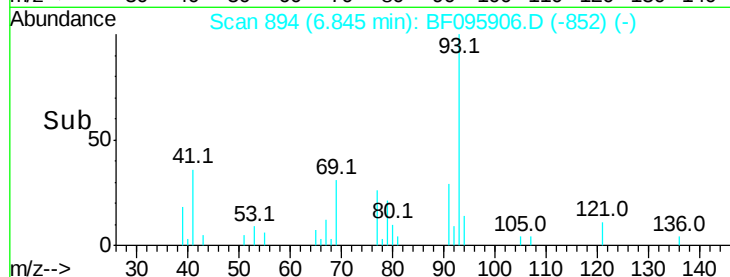
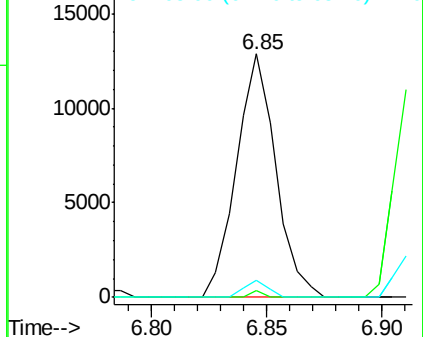
65 6.8 16.0 24.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 99.95 ng

RT: 6.92 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF095906.D

Acq: 13 Jun 2017 21:50

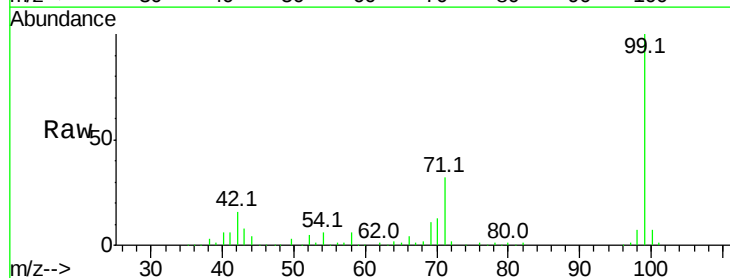
Tgt Ion: 99 Resp: 576753

Ion Ratio Lower Upper

99 100

42 15.8 13.5 20.3

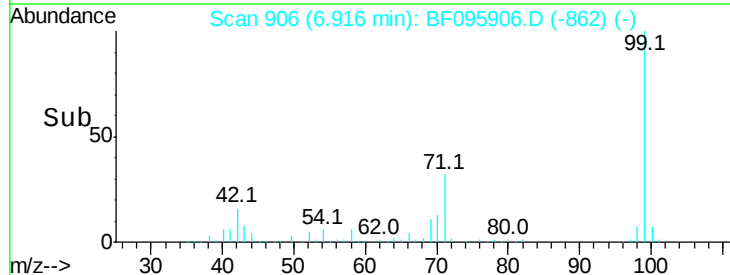
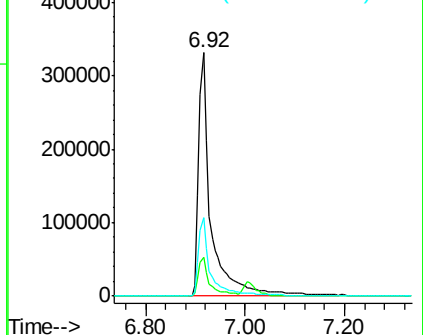
71 32.1 24.5 36.7

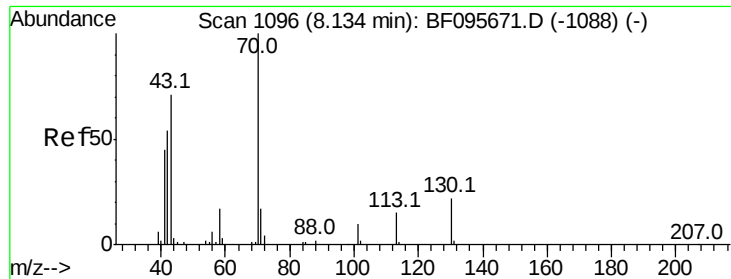


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

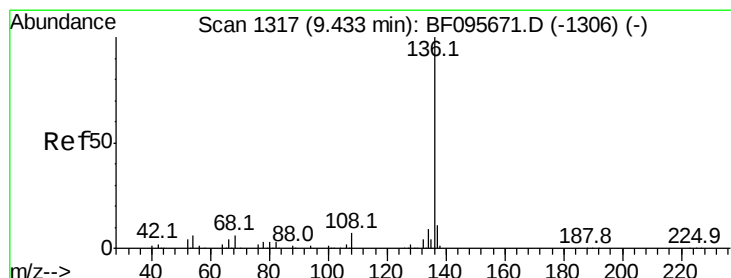
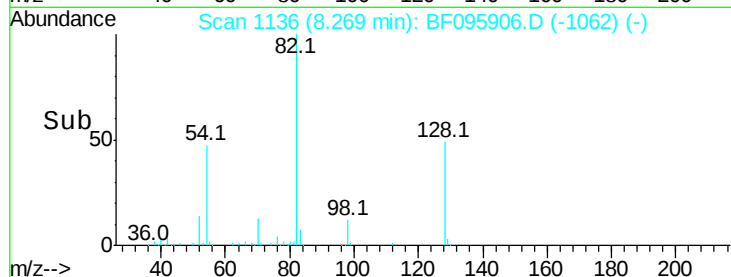
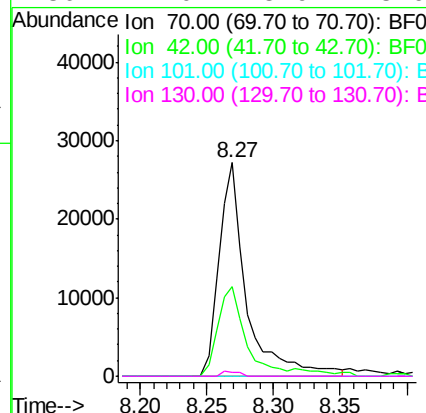
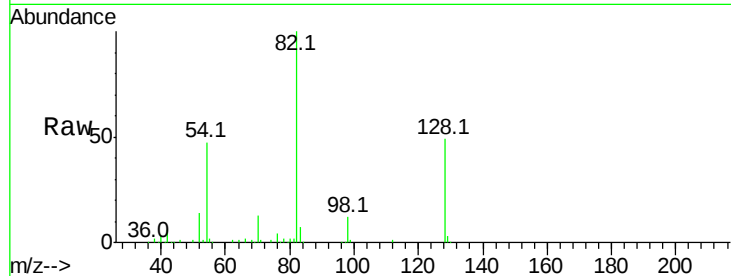




#19
n-Nitroso-di-n-propylamine
Concen: 10.75 ng
RT: 8.27 min Scan# 1136
Delta R.T. 0.14 min
Lab File: BF095906.D
Acq: 13 Jun 2017 21:50

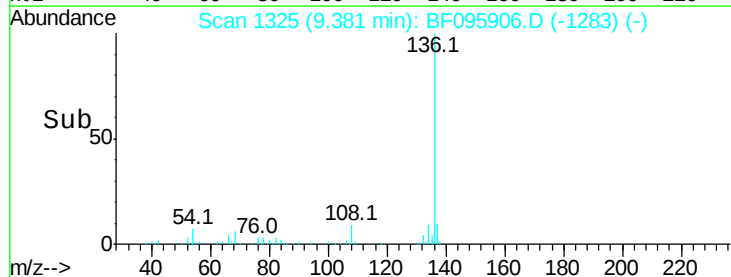
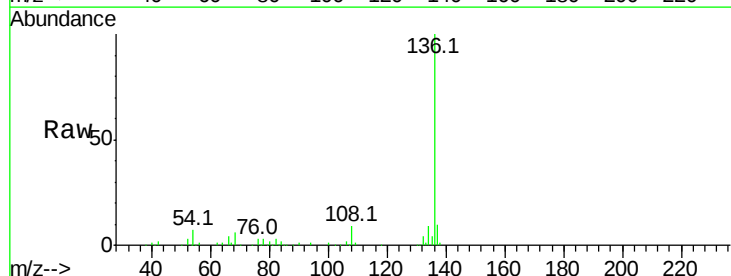
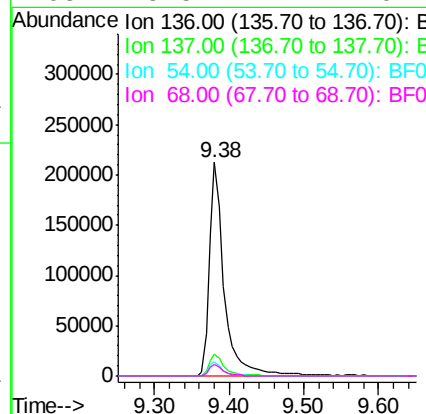
Instrument :
BNA_F
ClientSampleId :

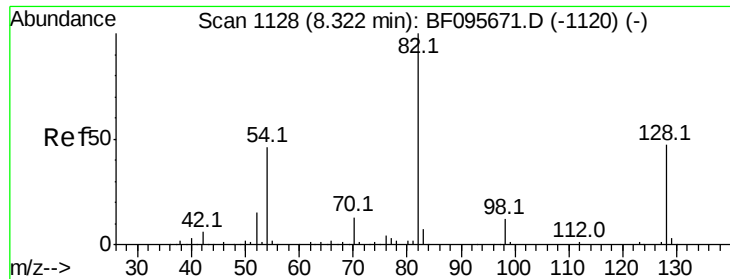
Tot Ion: 70 Resp: 39303
Ion Ratio Lower Upper
70 100
42 42.0 47.2 70.8#
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.38 min Scan# 1325
Delta R.T. -0.05 min
Lab File: BF095906.D
Acq: 13 Jun 2017 21:50

Tgt Ion: 136 Resp: 297363
Ion Ratio Lower Upper
136 100
137 10.2 8.5 12.7
54 6.9 4.9 7.3
68 5.5 4.1 6.1

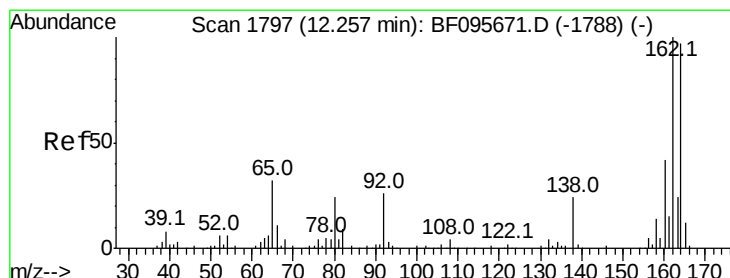
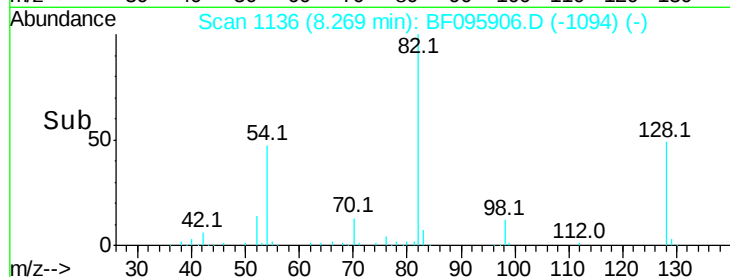
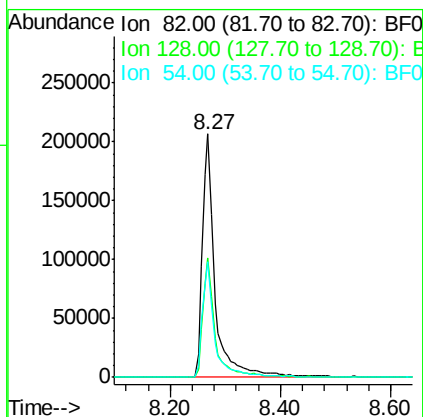
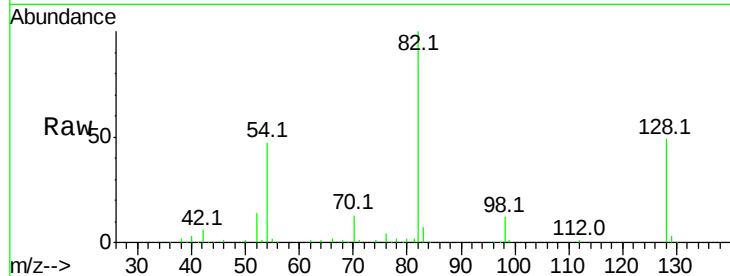




#23
 Nitrobenzene-d5
 Concen: 68.26 ng
 RT: 8.27 min Scan# 1136
 Delta R.T. -0.05 min
 Lab File: BF095906.D
 Acq: 13 Jun 2017 21:50

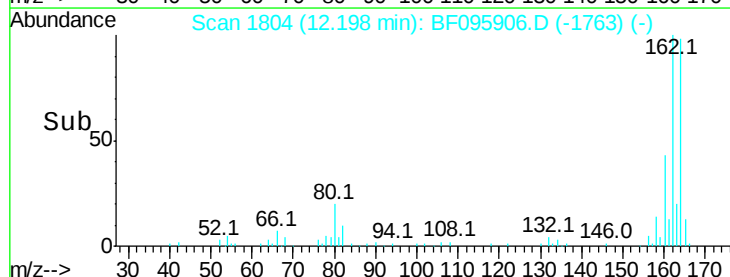
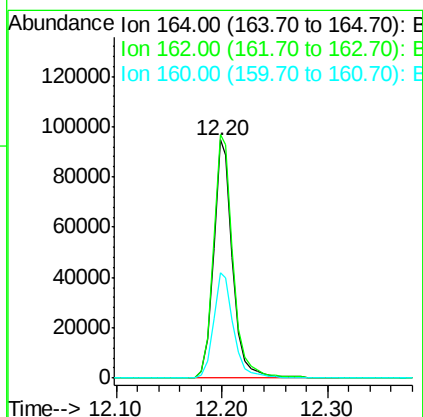
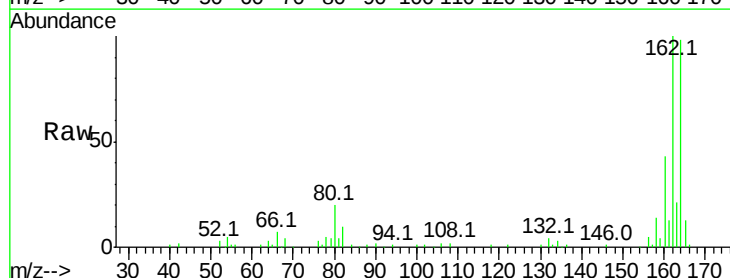
Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 326813
 Ion Ratio Lower Upper
 82 100
 128 48.8 34.0 51.0
 54 47.4 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.20 min Scan# 1804
 Delta R.T. -0.06 min
 Lab File: BF095906.D
 Acq: 13 Jun 2017 21:50

Tgt Ion:164 Resp: 119708
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.6 123.8
 160 44.3 36.2 54.2

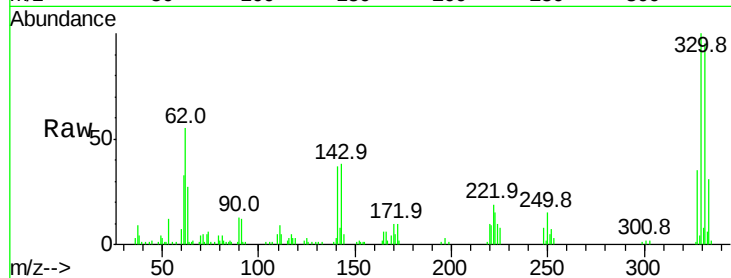




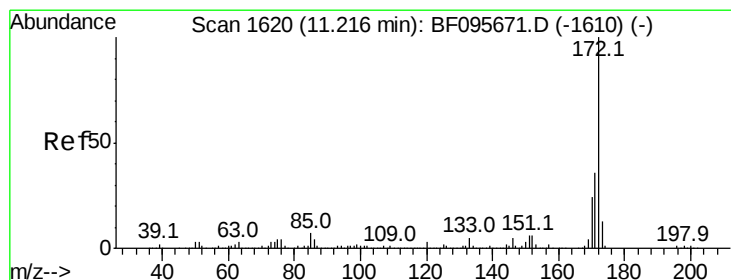
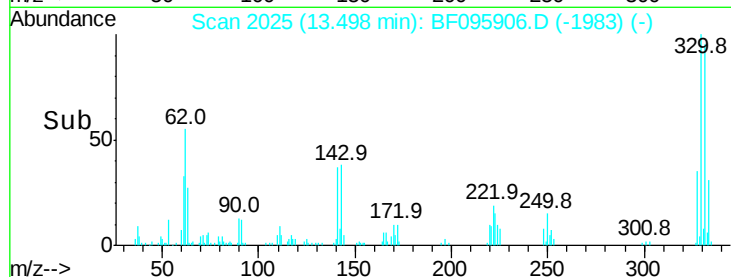
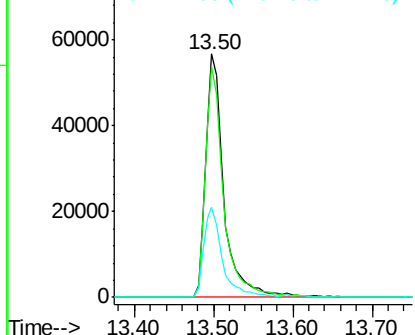
#41
 2,4,6-Tribromophenol
 Concen: 86.01 ng
 RT: 13.50 min Scan# 2025
 Delta R.T. -0.05 min
 Lab File: BF095906.D
 Acq: 13 Jun 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 91096
 Ion Ratio Lower Upper
 330 100
 332 93.9 76.6 115.0
 141 37.6 31.4 47.2

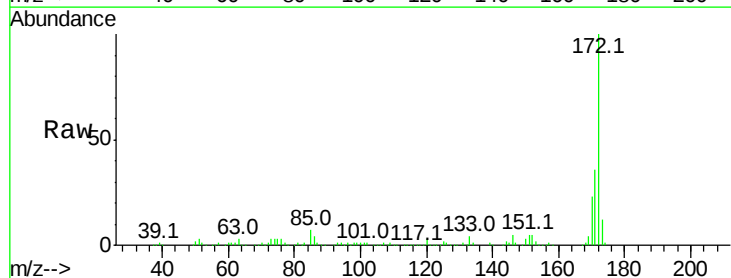


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

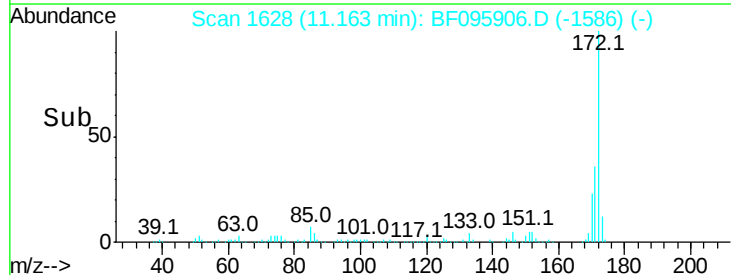
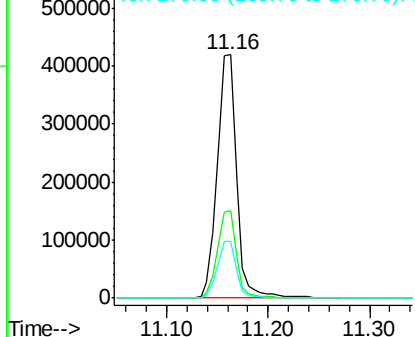


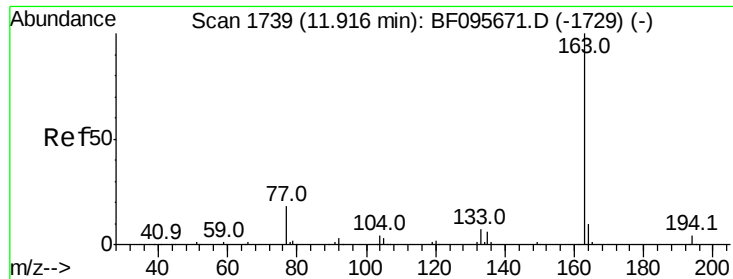
#44
 2-Fluorobiphenyl
 Concen: 65.17 ng
 RT: 11.16 min Scan# 1628
 Delta R.T. -0.05 min
 Lab File: BF095906.D
 Acq: 13 Jun 2017 21:50

Tgt Ion:172 Resp: 560645
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.2 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: 6.97 ng

RT: 11.86 min Scan# 1746

Delta R.T. -0.06 min

Lab File: BF095906.D

Acq: 13 Jun 2017 21:50

Instrument :

BNA_F

ClientSampleId :

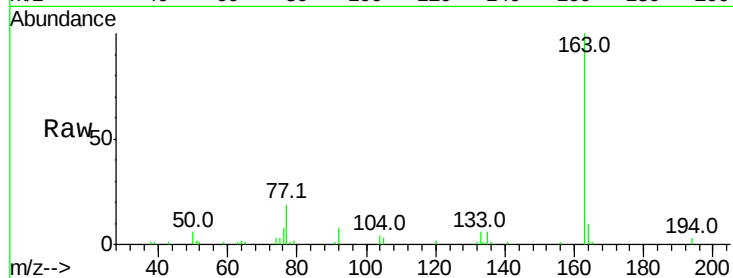
Tot Ion:163 Resp: 63316

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

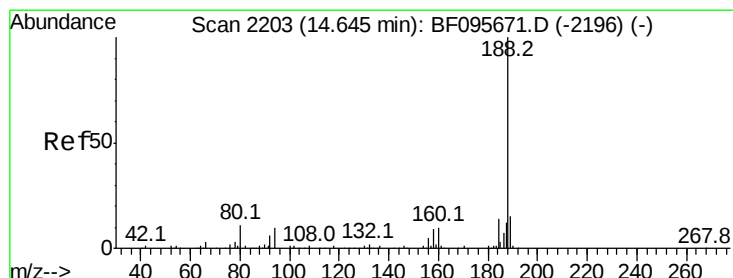
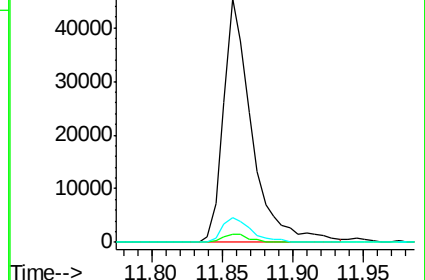
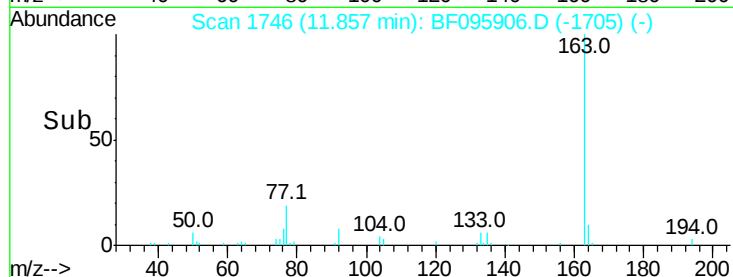
164 10.4 8.4 12.6



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: 20.00 ng

RT: 14.60 min Scan# 2212

Delta R.T. -0.05 min

Lab File: BF095906.D

Acq: 13 Jun 2017 21:50

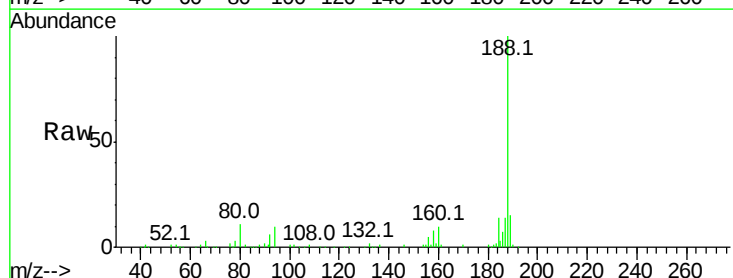
Tgt Ion:188 Resp: 180955

Ion Ratio Lower Upper

188 100

94 10.1 9.4 14.2

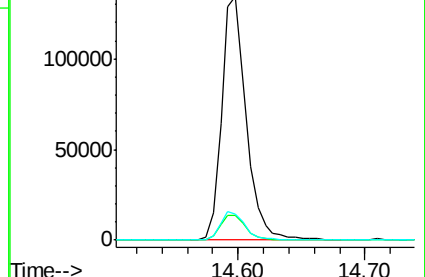
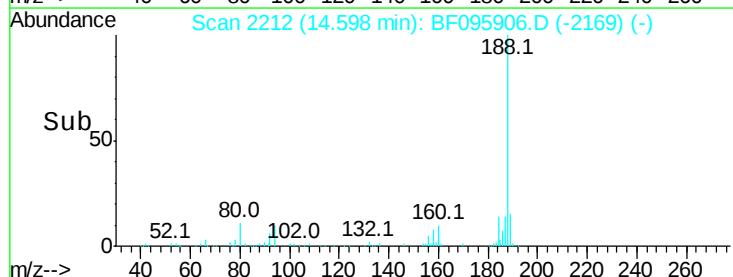
80 10.7 10.2 15.2

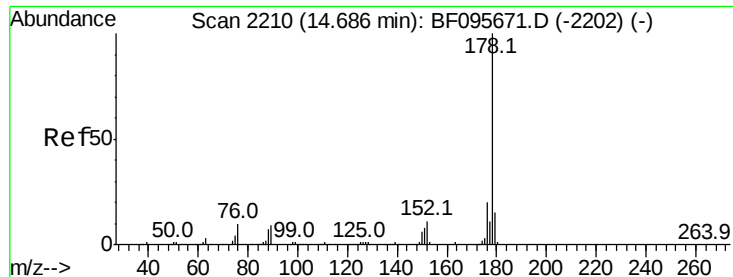


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.60 ng

RT: 14.64 min Scan# 2219

Delta R.T. -0.05 min

Lab File: BF095906.D

Acq: 13 Jun 2017 21:50

Instrument :

BNA_F

ClientSampleId :

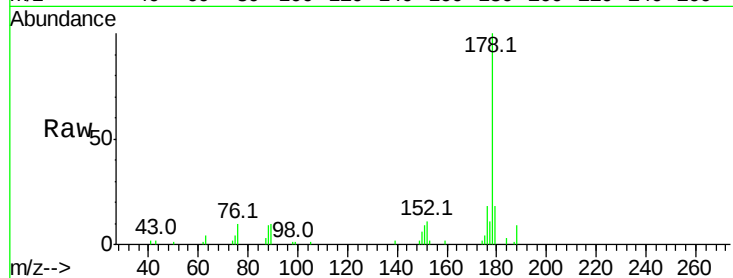
Tot Ion:178 Resp: 37636

Ion Ratio Lower Upper

178 100

176 17.5 16.2 24.4

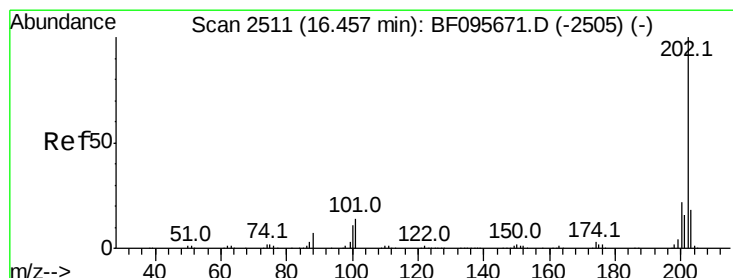
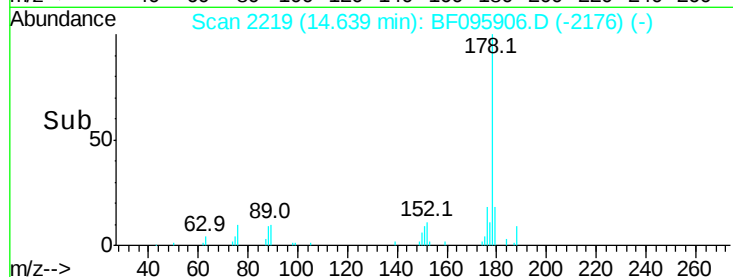
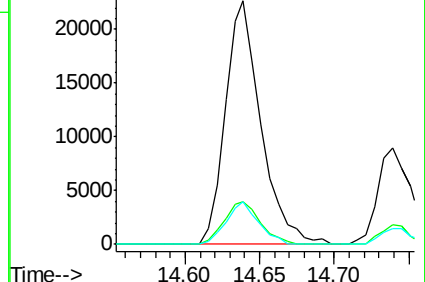
179 17.5 12.6 19.0



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: 5.16 ng

RT: 16.42 min Scan# 2522

Delta R.T. -0.04 min

Lab File: BF095906.D

Acq: 13 Jun 2017 21:50

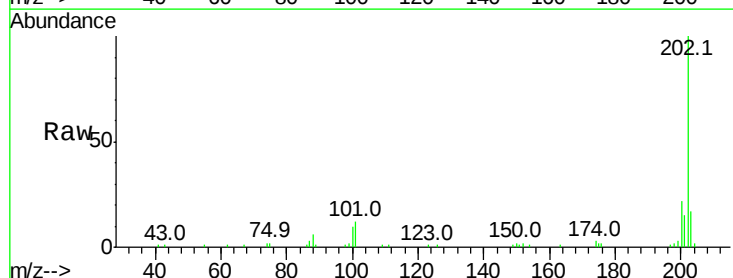
Tgt Ion:202 Resp: 53285

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

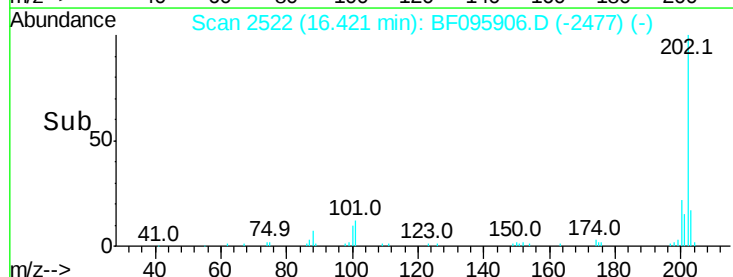
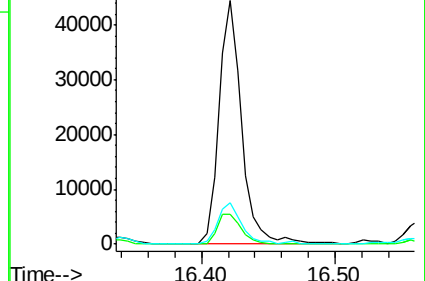
203 17.1 0.0 38.1

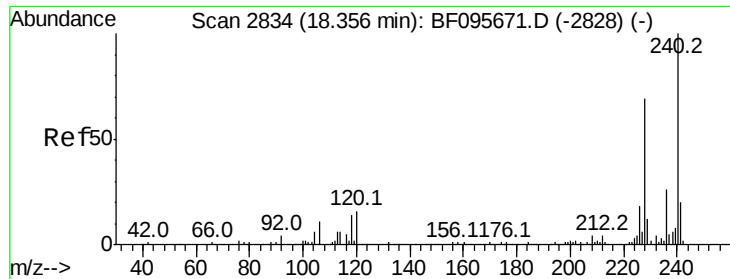


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.32 min Scan# 2844

Delta R.T. -0.04 min

Lab File: BF095906.D

Acq: 13 Jun 2017 21:50

Instrument :

BNA_F

ClientSampleId :

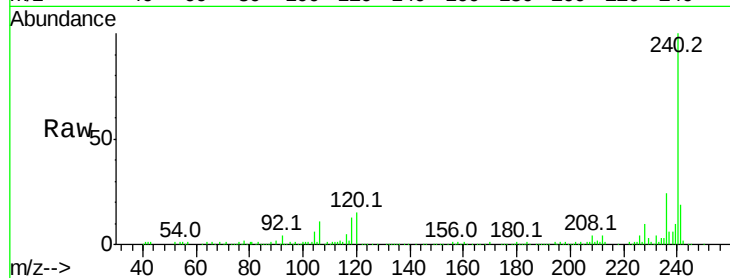
Tot Ion:240 Resp: 154986

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

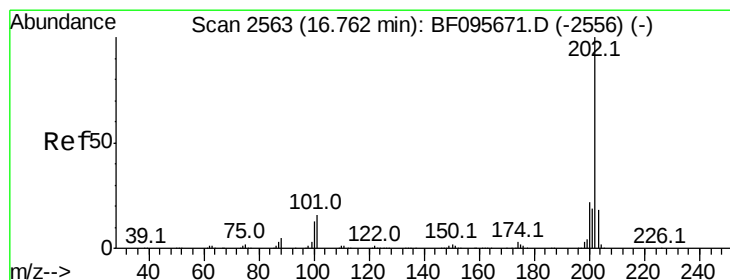
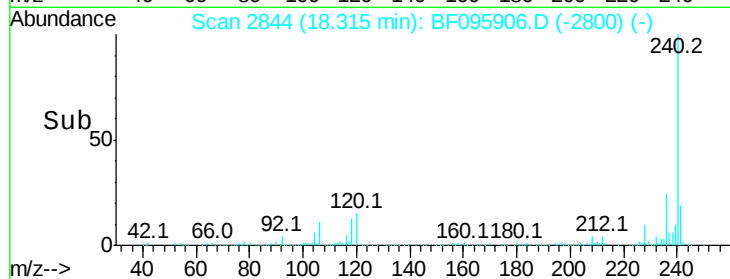
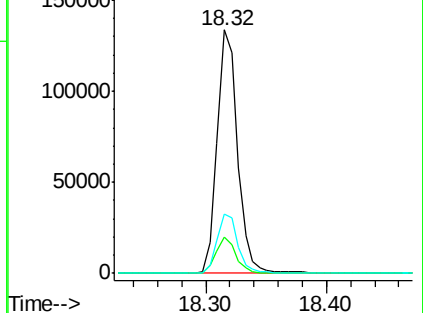
236 24.3 20.5 30.7



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

Pyrene

Concen: 6.35 ng

RT: 16.72 min Scan# 2573

Delta R.T. -0.04 min

Lab File: BF095906.D

Acq: 13 Jun 2017 21:50

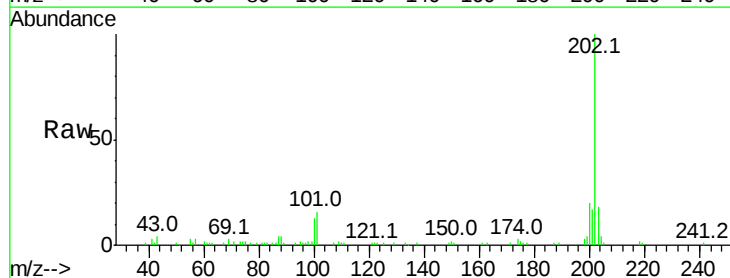
Tgt Ion:202 Resp: 73474

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

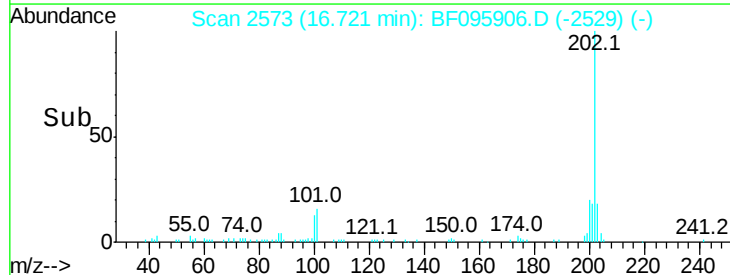
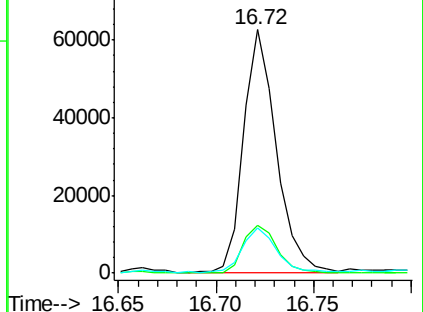
203 18.5 14.4 21.6

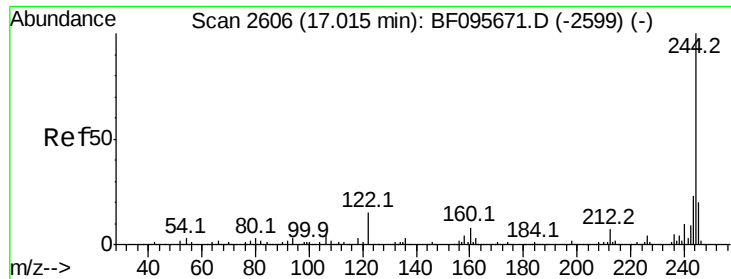


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

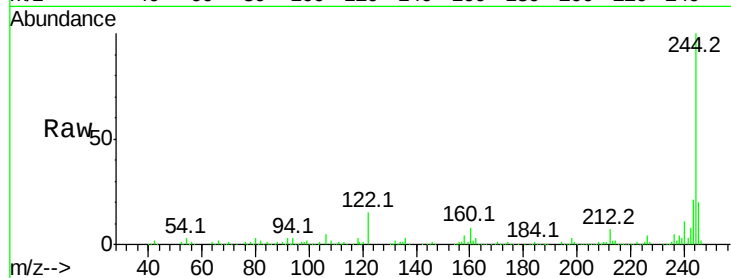




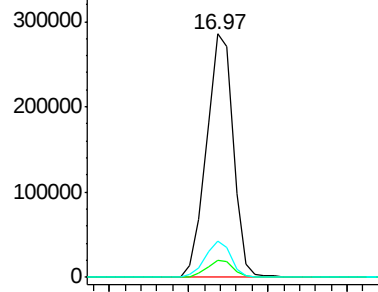
#78
 Terphenyl-d14
 Concen: 53.42 ng
 RT: 16.97 min Scan# 2615
 Delta R.T. -0.05 min
 Lab File: BF095906.D
 Acq: 13 Jun 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :

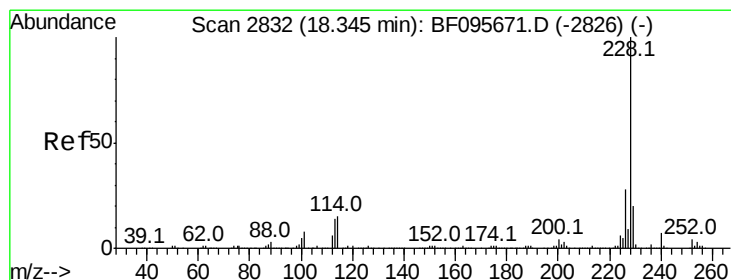
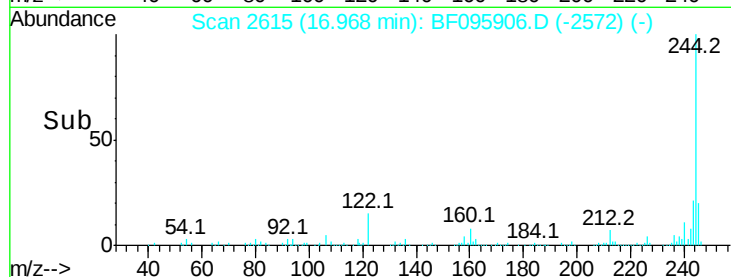
Tot Ion:244 Resp: 333589
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 14.8 10.3 15.5



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

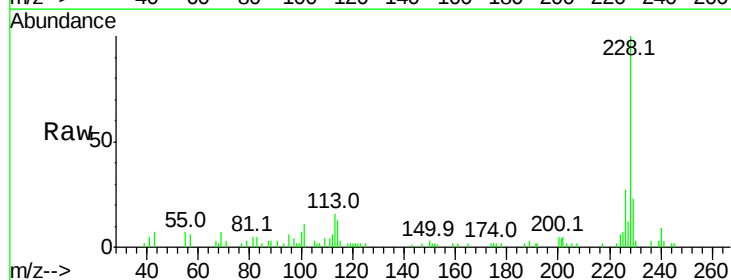


Time-->

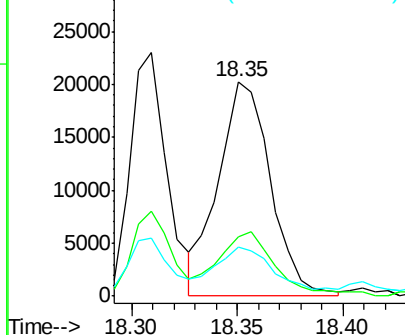


#80
 Benzo(a)anthracene
 Concen: 3.87 ng
 RT: 18.35 min Scan# 2850
 Delta R.T. 0.01 min
 Lab File: BF095906.D
 Acq: 13 Jun 2017 21:50

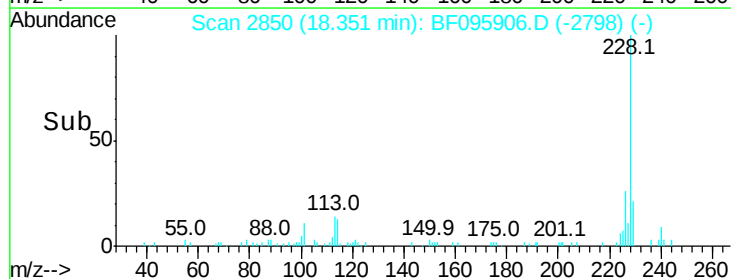
Tgt Ion:228 Resp: 34830
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.6 33.8
 229 23.0 16.3 24.5

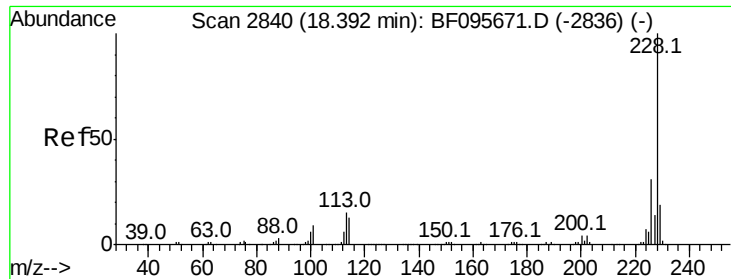


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E



Time-->

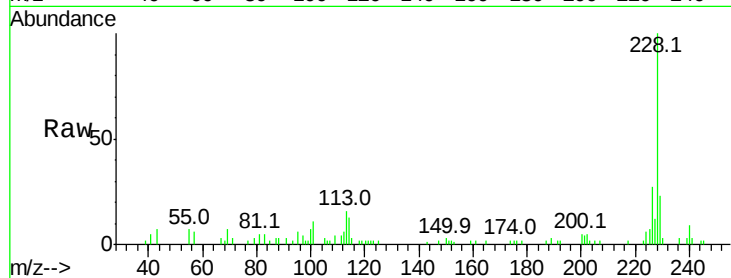




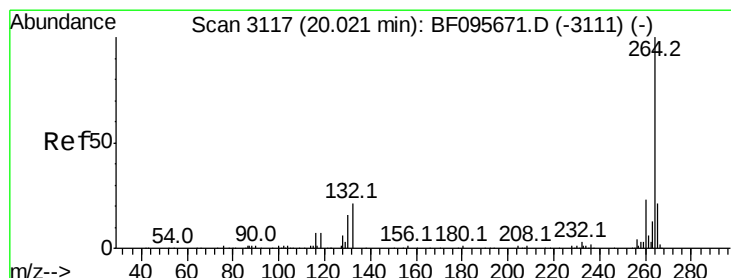
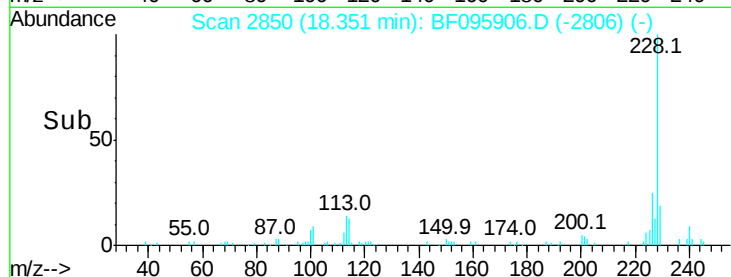
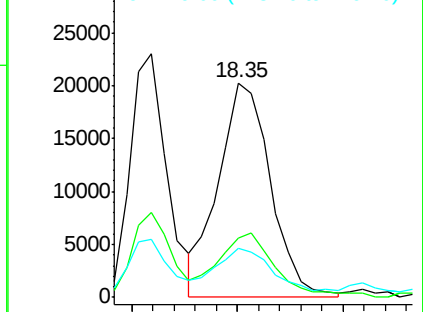
#82
Chrysene
Concen: 3.87 ng
RT: 18.35 min Scan# 2850
Delta R.T. -0.04 min
Lab File: BF095906.D
Acq: 13 Jun 2017 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 34830
Ion Ratio Lower Upper
228 100
226 27.4 24.9 37.3
229 23.0 15.8 23.6

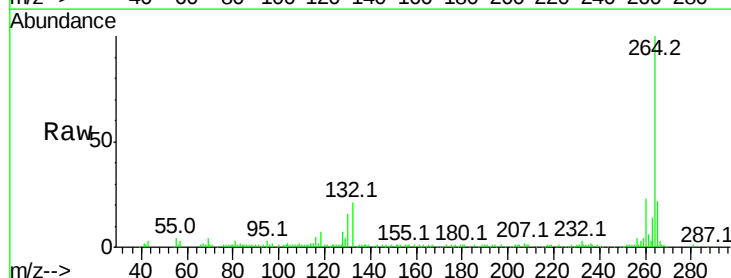


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

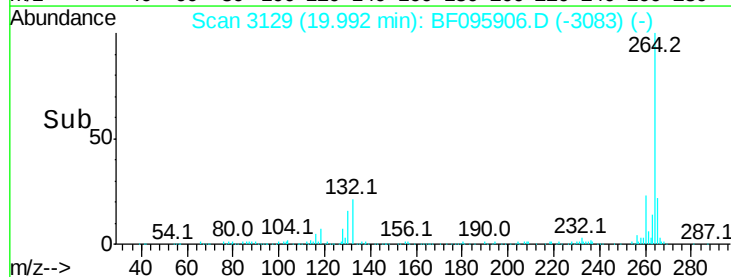
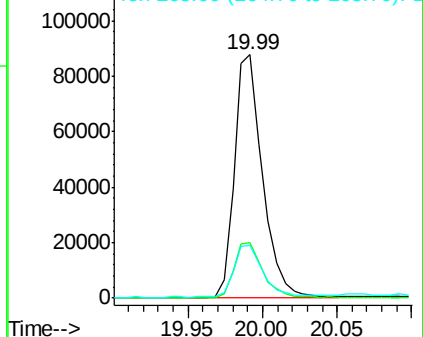


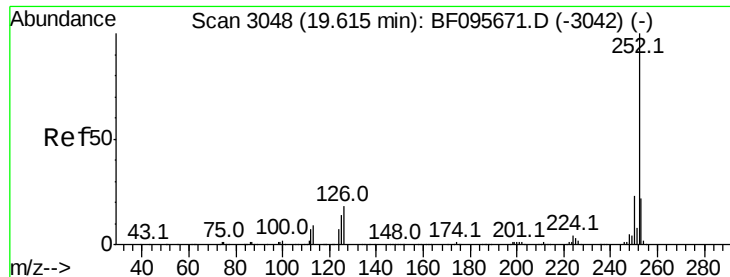
#86
Perylene-d12
Concen: 20.00 ng
RT: 19.99 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BF095906.D
Acq: 13 Jun 2017 21:50

Tgt Ion:264 Resp: 115434
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 21.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

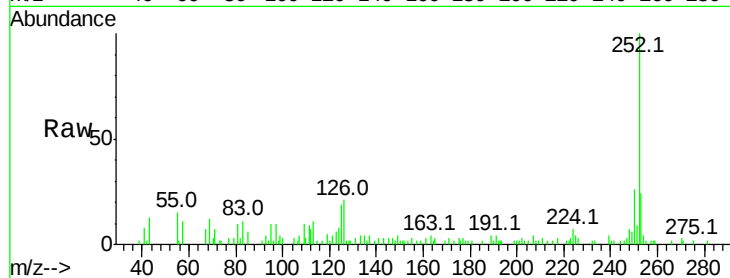




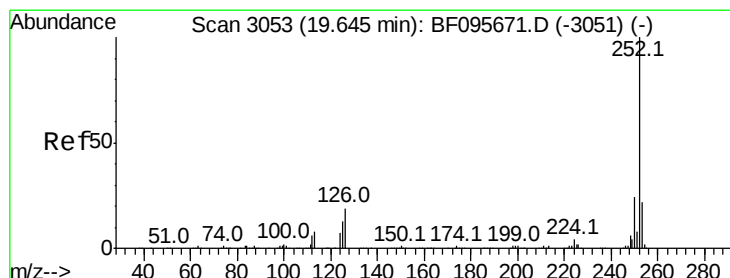
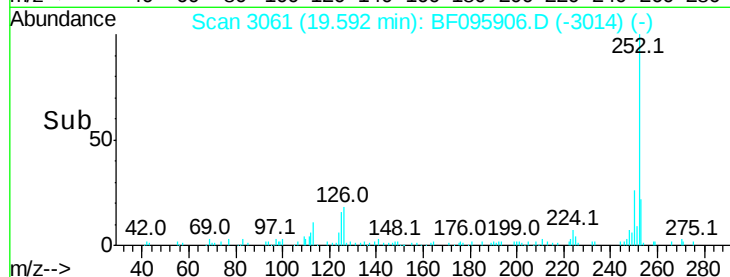
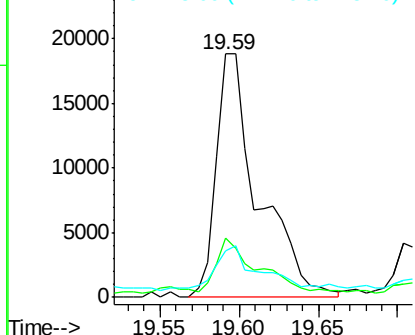
#87
Benzo(b)fluoranthene
Concen: 4.82 ng
RT: 19.59 min Scan# 3061
Delta R.T. -0.02 min
Lab File: BF095906.D
Acq: 13 Jun 2017 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 34863
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 19.1 9.8 14.8#

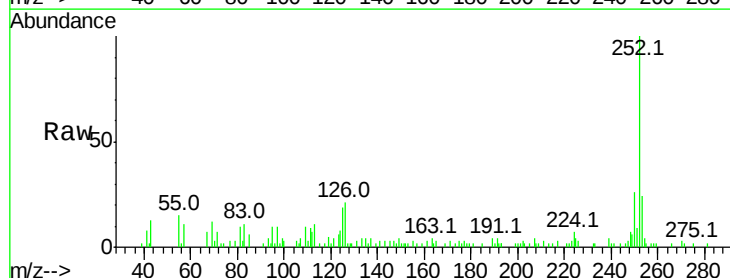


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

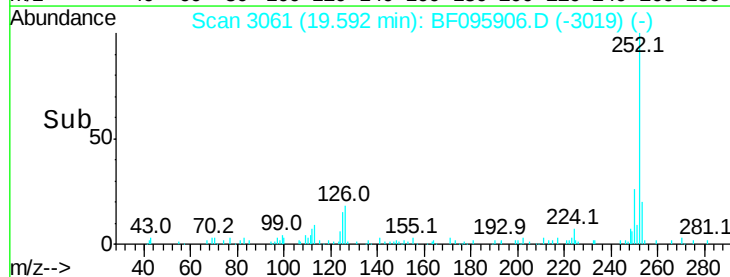
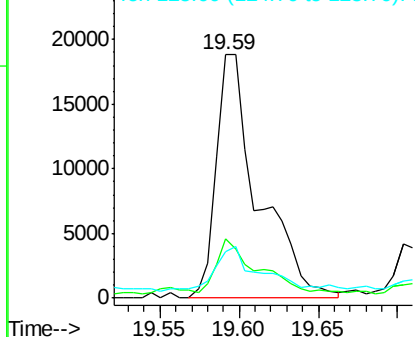


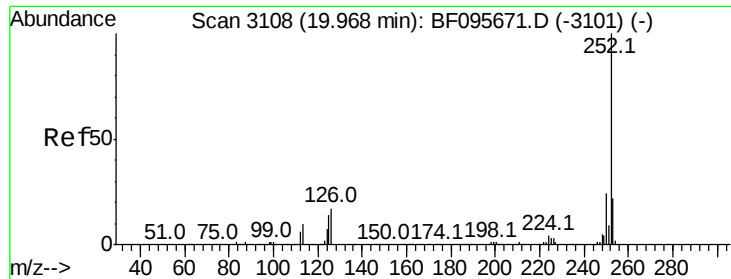
#88
Benzo(k)fluoranthene
Concen: 5.05 ng
RT: 19.59 min Scan# 3061
Delta R.T. -0.05 min
Lab File: BF095906.D
Acq: 13 Jun 2017 21:50

Tgt Ion:252 Resp: 34863
Ion Ratio Lower Upper
252 100
253 24.4 18.4 27.6
125 19.1 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

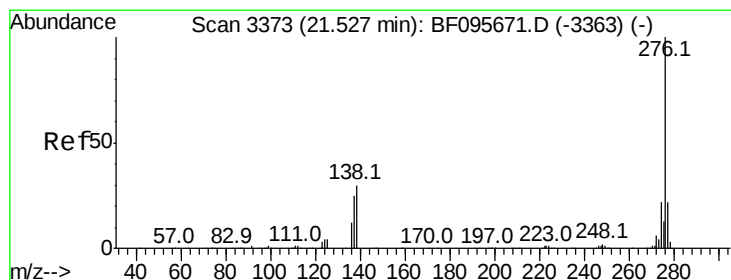
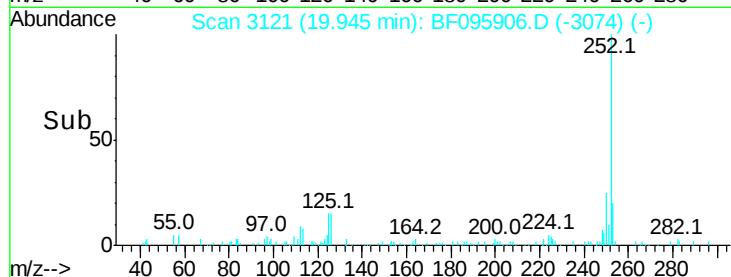
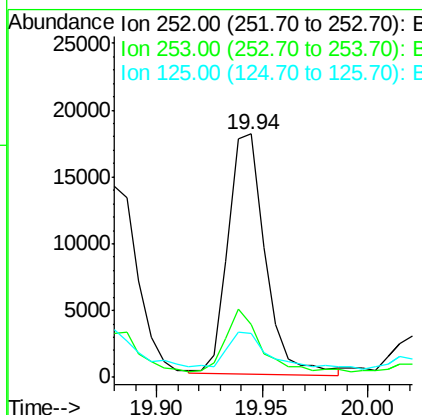
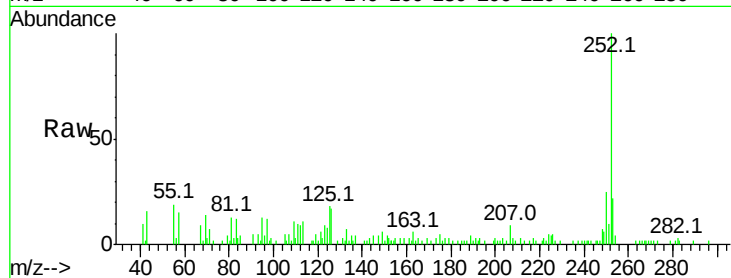




#89
Benzo(a)pyrene
Concen: 3.30 ng
RT: 19.94 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095906.D
Acq: 13 Jun 2017 21:50

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	18.1	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 2.21 ng
RT: 21.52 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BF095906.D
Acq: 13 Jun 2017 21:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.6	28.0
138	32.9	25.4	38.0

