

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
 Data File : BF095806.D
 Acq On : 9 Jun 2017 3:27
 Operator : SJ/MA
 Sample : I3470-04 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 09 04:30:36 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

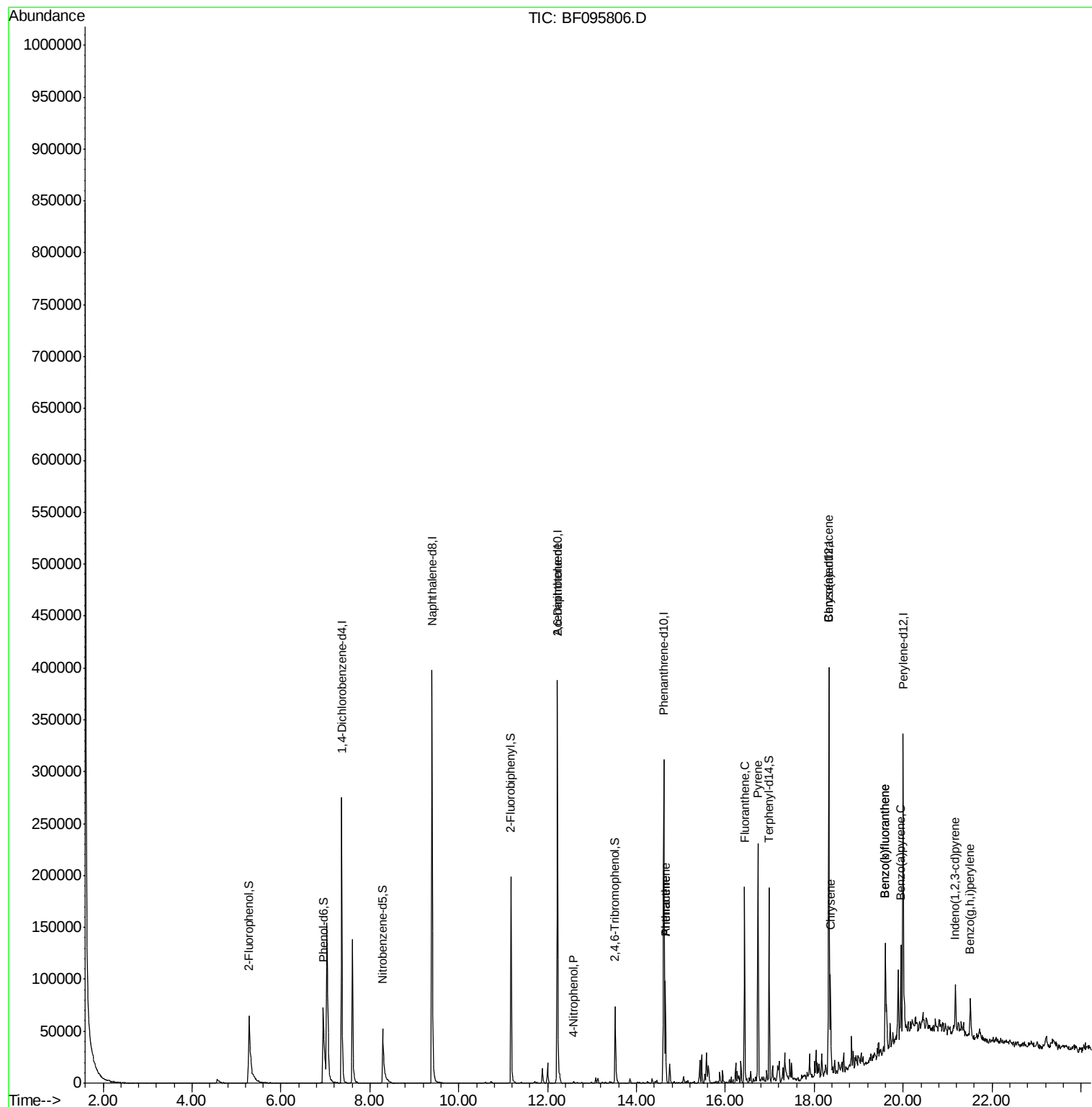
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	70136	20.00	ng	-0.03
21) Naphthalene-d8	9.40	136	275955	20.00	ng	-0.04
38) Acenaphthene-d10	12.22	164	113558	20.00	ng	-0.04
63) Phenanthrene-d10	14.62	188	171821	20.00	ng	-0.03
75) Chrysene-d12	18.33	240	138400	20.00	ng	-0.02
86) Perylene-d12	20.00	264	113156	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	72582	16.49	ng	0.00
7) Phenol-d6	6.95	99	93166	17.68	ng	-0.01
23) Nitrobenzene-d5	8.29	82	52949	11.92	ng	-0.04
41) 2,4,6-Tribromophenol	13.52	330	15410	15.34	ng	-0.03
44) 2-Fluorobiphenyl	11.17	172	101756	12.47	ng	-0.04
78) Terphenyl-d14	16.99	244	64246	11.52	ng	-0.03
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	12.22	165	14257	7.58	ng	# 31
55) 4-Nitrophenol	12.59	139	460	4.97	ng	# 25
70) Phenanthrene	14.65	178	60846	6.14	ng	97
71) Anthracene	14.65	178	60846	5.88	ng	98
74) Fluoranthene	16.43	202	101833	10.38	ng	98
77) Pyrene	16.73	202	105401	10.21	ng	97
80) Benzo(a)anthracene	18.32	228	46290	5.75	ng	92
82) Chrysene	18.36	228	47298	5.88	ng	99
85) Indeno(1,2,3-cd)pyrene	21.17	276	24247	3.52	ng	100
87) Benzo(b)fluoranthene	19.60	252	69564	9.82	ng	# 96
88) Benzo(k)fluoranthene	19.60	252	69564	10.27	ng	99
89) Benzo(a)pyrene	19.94	252	37858	5.81	ng	# 93
91) Benzo(a,h,i)perylene	21.51	276	23675	4.20	ng	96

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

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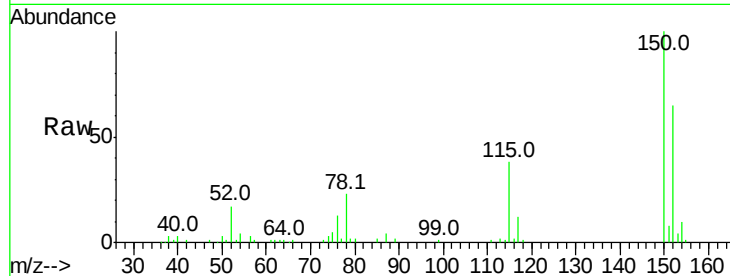


#1

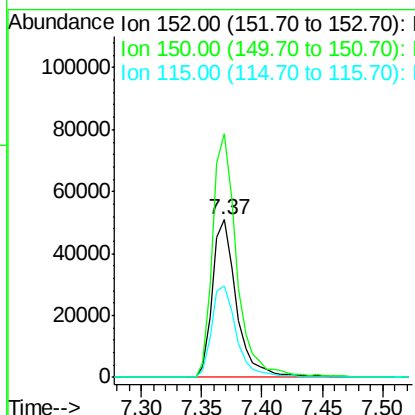
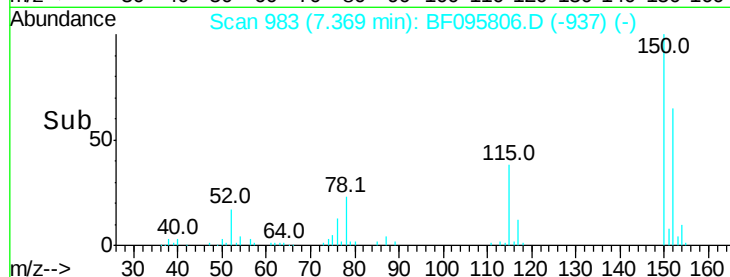
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.37 min Scan# 983
Delta R.T. -0.03 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 70136
Ion Ratio Lower Upper
152 100
150 154.8 126.2 189.2
115 58.4 52.2 78.2



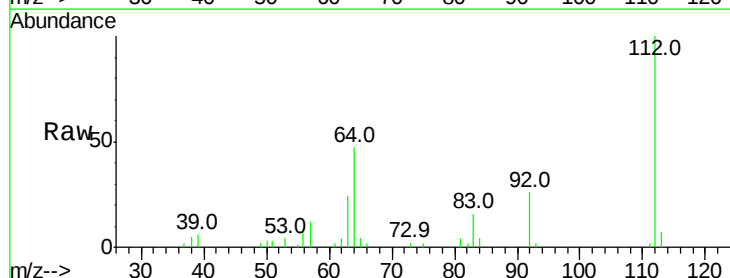
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



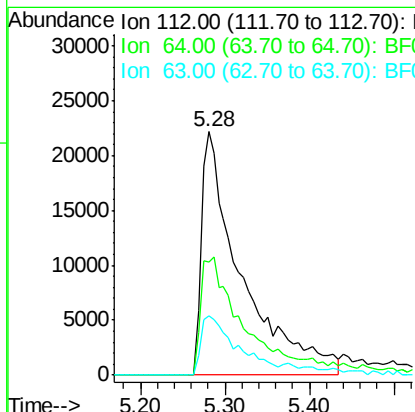
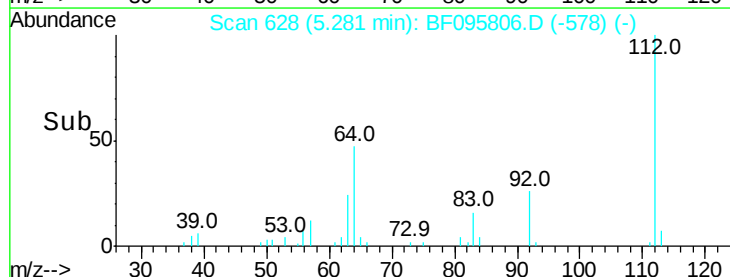
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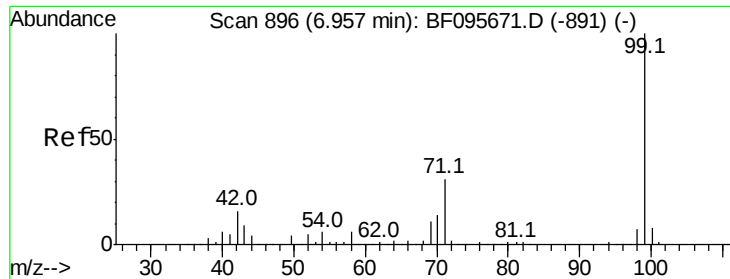
2-Fluorophenol
Concen: 16.49 ng
RT: 5.28 min Scan# 628
Delta R.T. -0.01 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion:112 Resp: 72582
Ion Ratio Lower Upper
112 100
64 46.5 46.0 69.0
63 24.3 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 17.68 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Instrument :

BNA_F

ClientSampled :

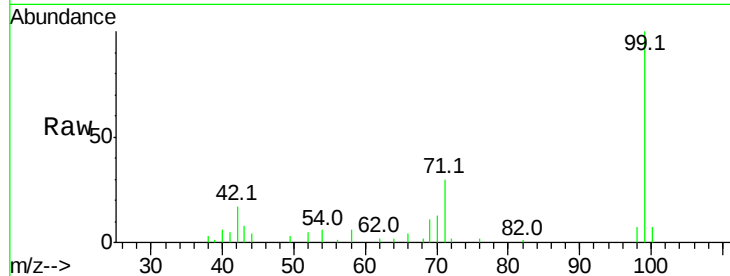
Tot Ion: 99 Resp: 93166

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

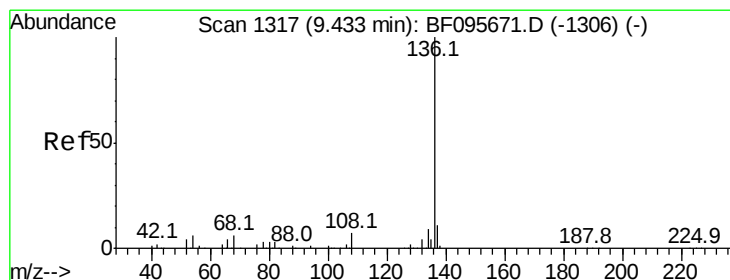
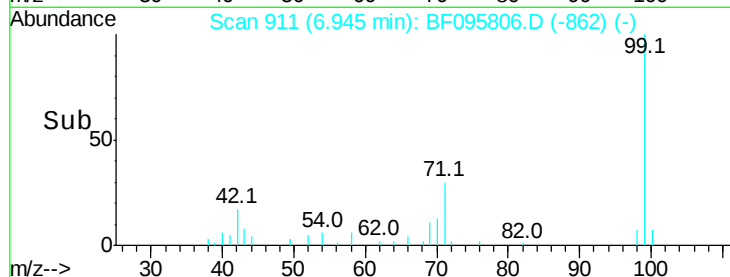
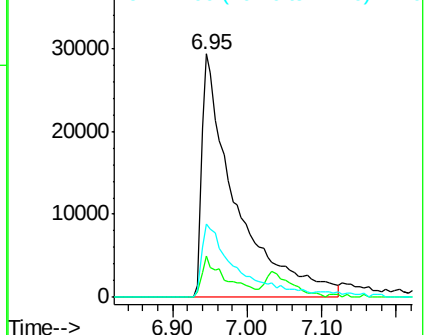
71 30.2 24.5 36.7



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: 9.40 min Scan# 1328

Delta R.T. -0.04 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Tgt Ion: 136 Resp: 275955

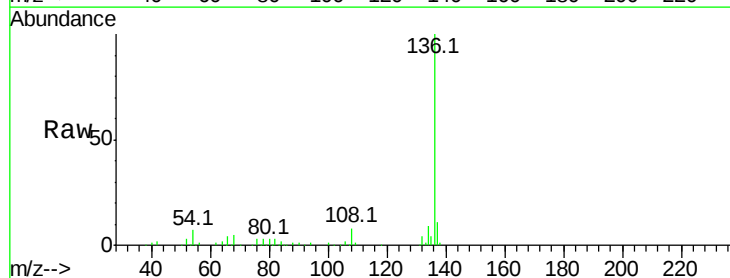
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

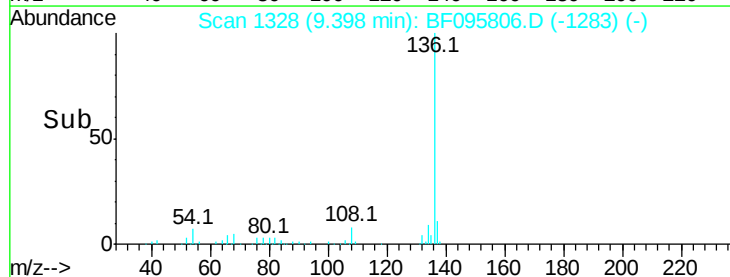
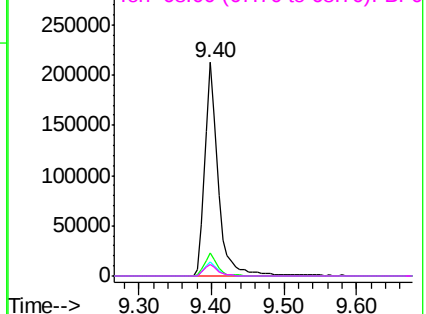


Abundance Ion 136.00 (135.70 to 136.70): E

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

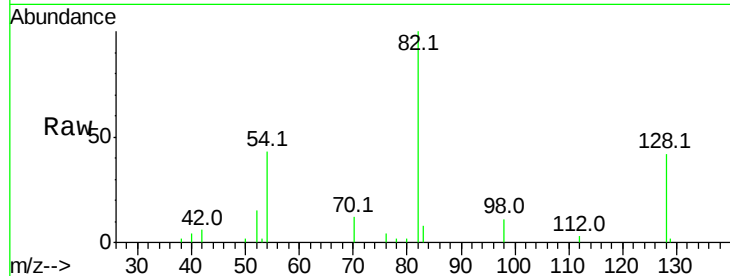




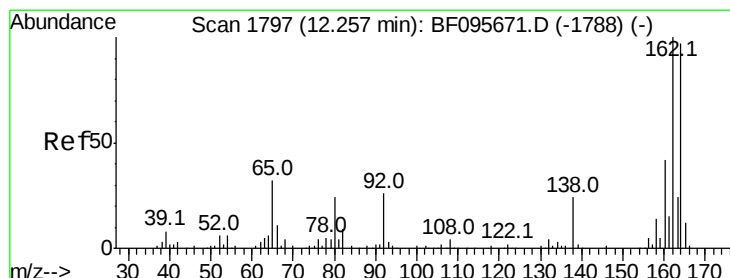
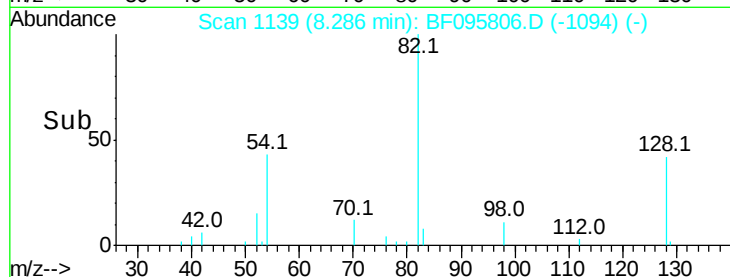
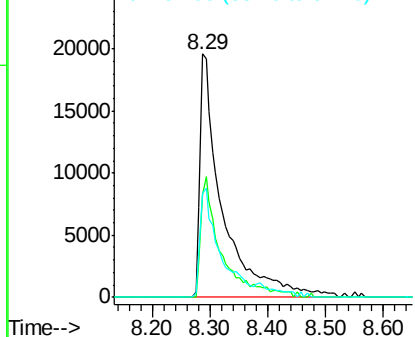
#23
 Nitrobenzene-d5
 Concen: 11.92 ng
 RT: 8.29 min Scan# 1139
 Delta R.T. -0.04 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	52949
Ion Ratio	Lower	Upper	
82	100		
128	42.4	34.0	51.0
54	42.9	42.2	63.2

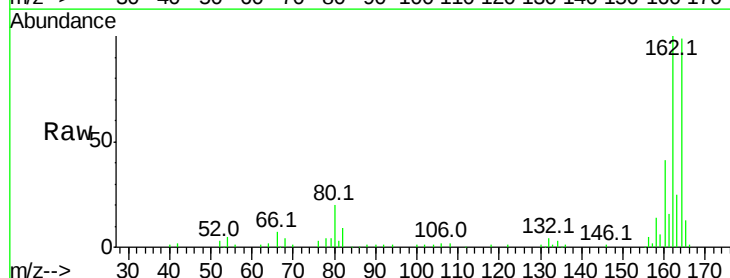


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

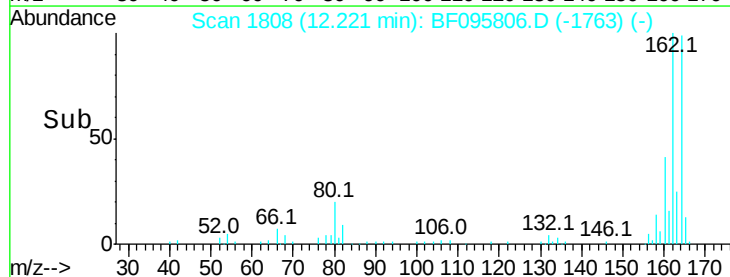
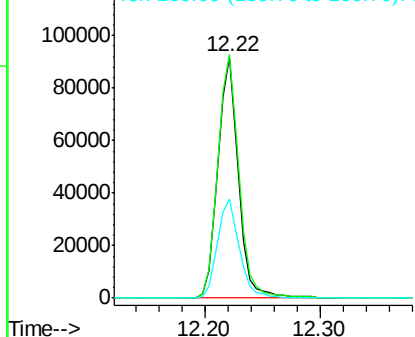


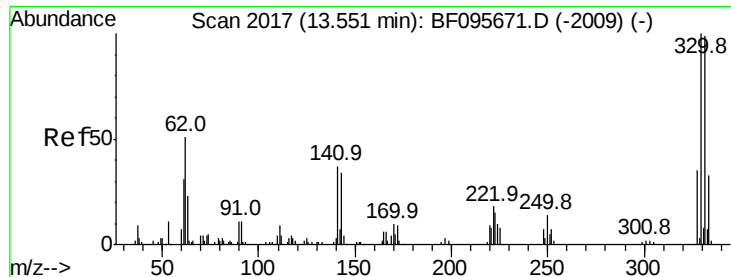
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. -0.04 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Tgt Ion	164	Resp	113558
Ion Ratio	Lower	Upper	
164	100		
162	100.9	82.6	123.8
160	41.3	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

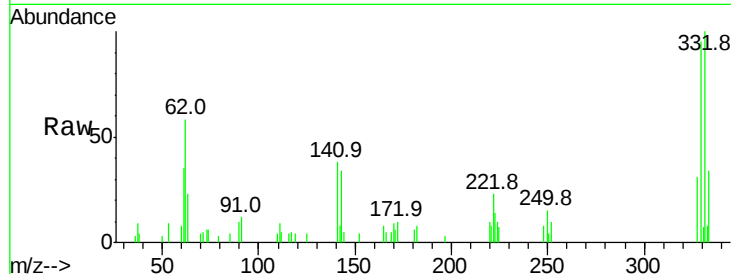




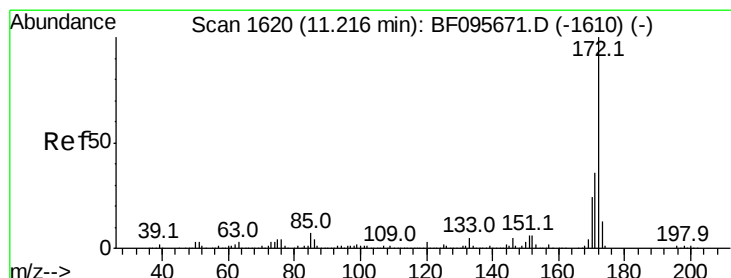
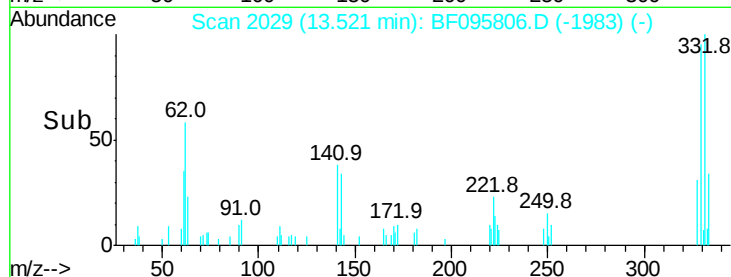
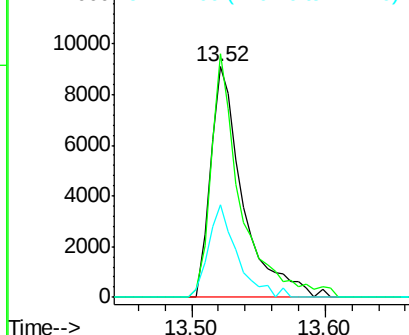
#41
 2,4,6-Tribromophenol
 Concen: 15.34 ng
 RT: 13.52 min Scan# 2029
 Delta R.T. -0.03 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 15410
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.6 115.0
 141 35.7 31.4 47.2

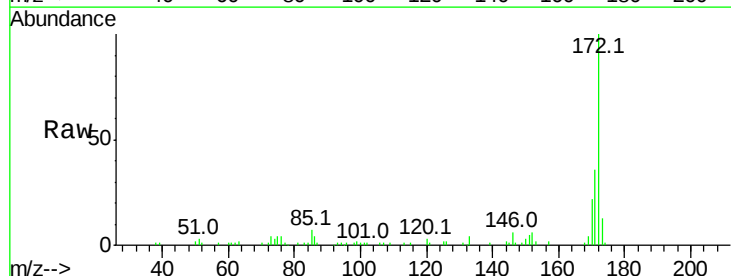


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

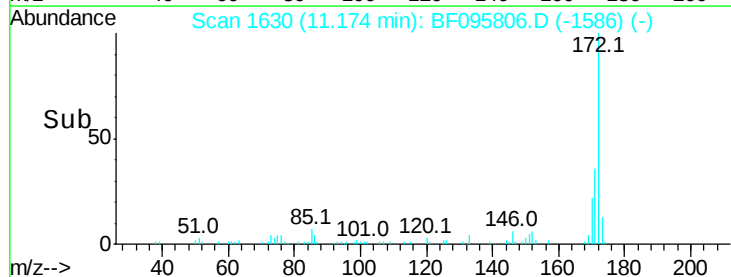
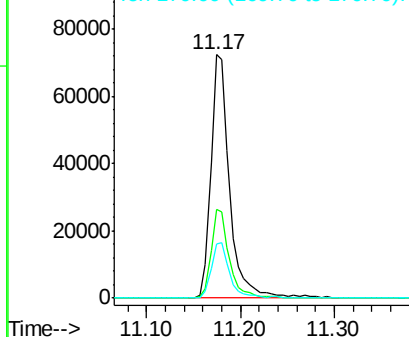


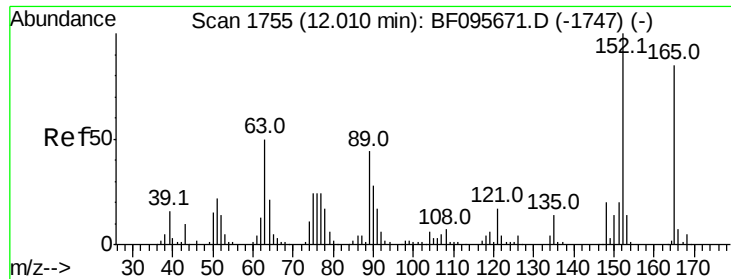
#44
 2-Fluorobiphenyl
 Concen: 12.47 ng
 RT: 11.17 min Scan# 1630
 Delta R.T. -0.04 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Tgt Ion:172 Resp: 101756
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 22.2 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

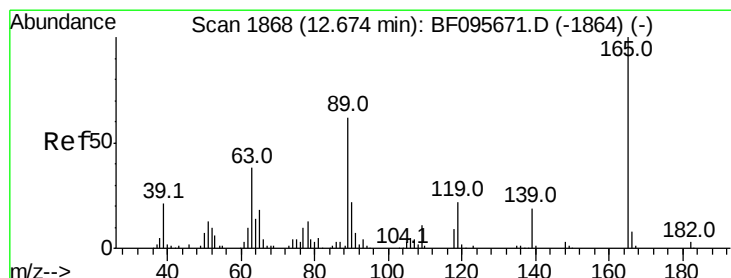
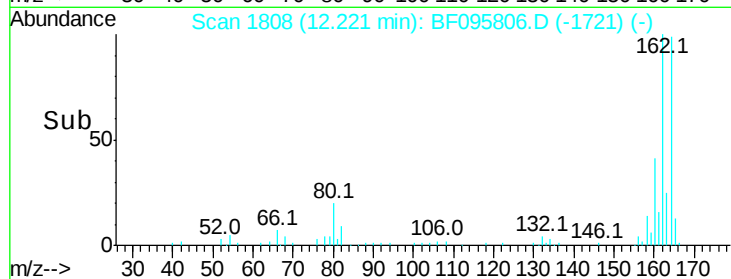
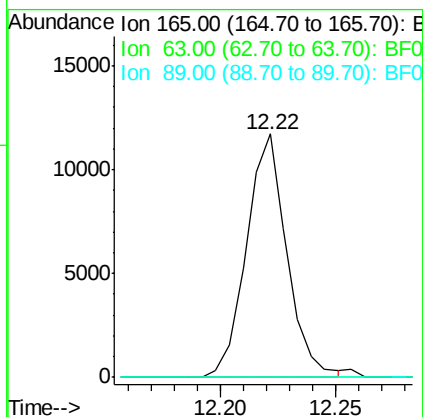
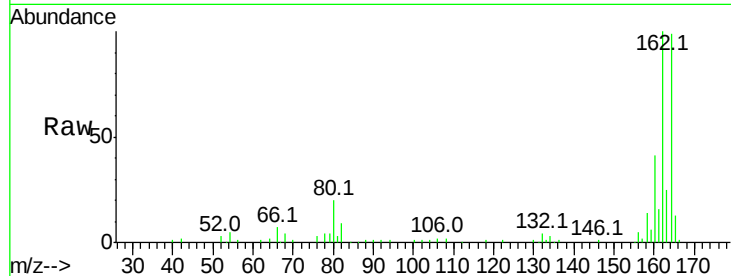




#50
 2,6-Dinitrotoluene
 Concen: 7.58 ng
 RT: 12.22 min Scan# 1808
 Delta R.T. 0.21 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

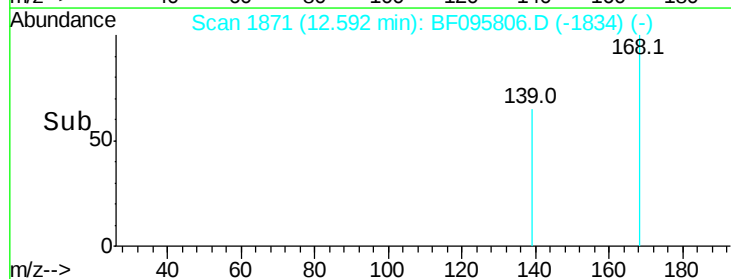
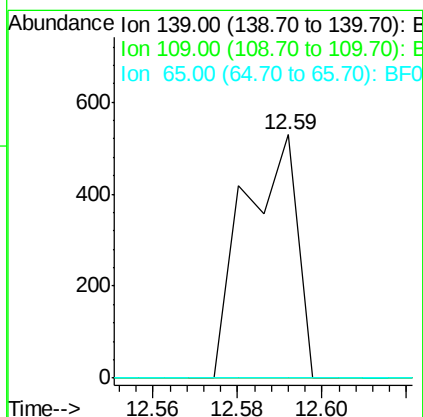
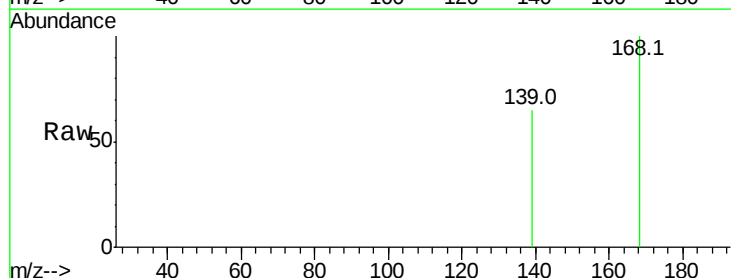
Instrument :
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 ClientSampleId :

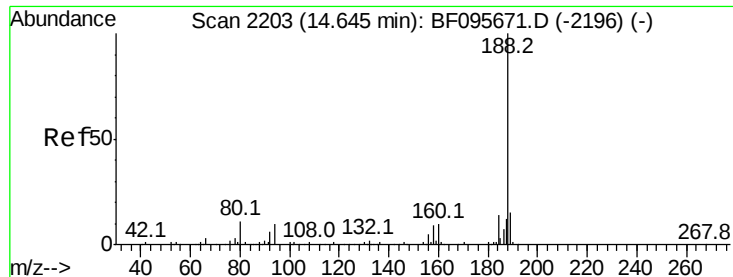
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.3	51.5#
89	0.0	37.1	55.7#



#55
 4-Nitrophenol
 Concen: 4.97 ng
 RT: 12.59 min Scan# 1871
 Delta R.T. -0.08 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	0.0	31.4	71.4#

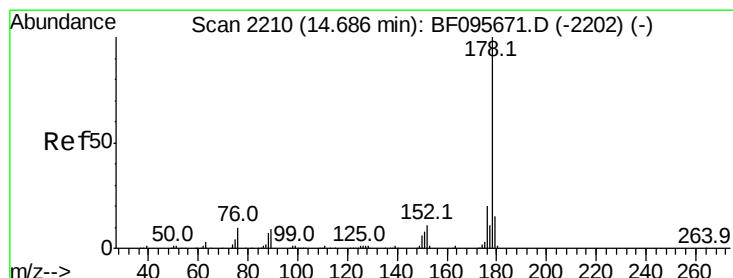
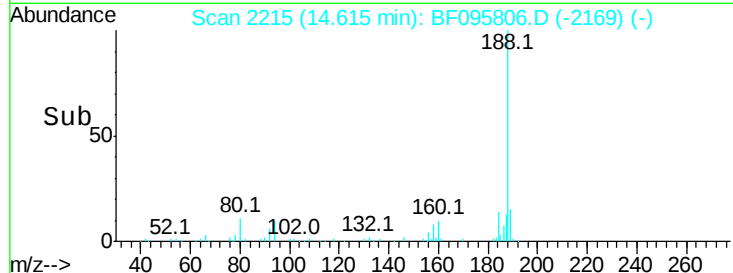
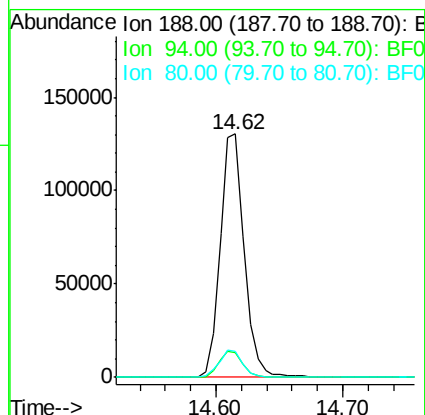
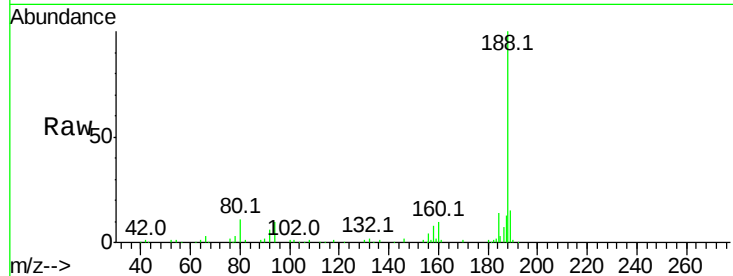




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.03 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

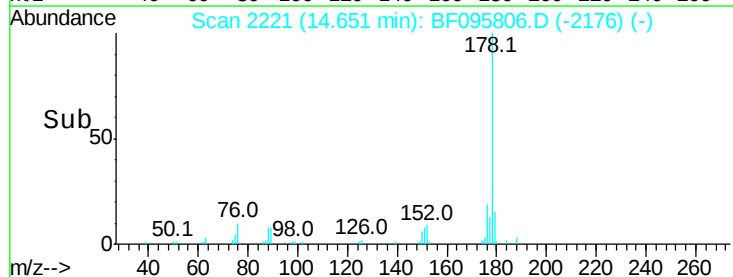
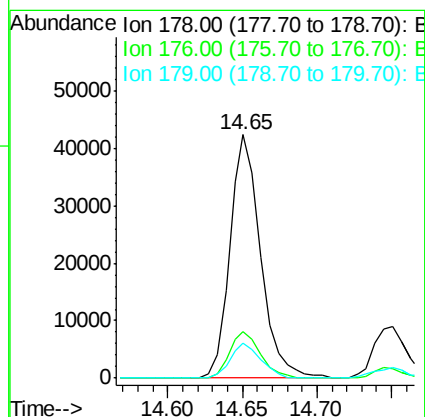
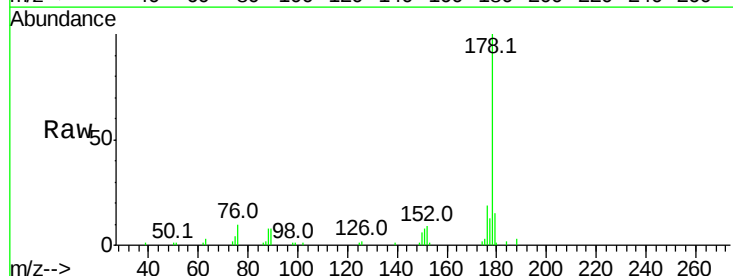
Instrument :
BNA_F
ClientSampleId :

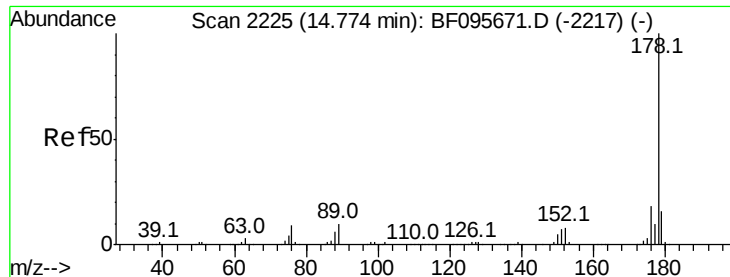
Tot Ion:188 Resp: 171821
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.2
80 10.9 10.2 15.2



#70
Phenanthrene
Concen: 6.14 ng
RT: 14.65 min Scan# 2221
Delta R.T. -0.04 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion:178 Resp: 60846
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 14.5 12.6 19.0

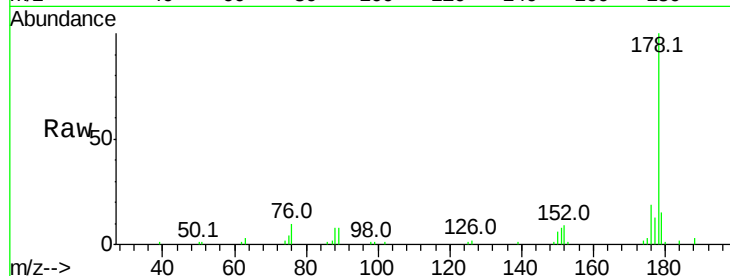




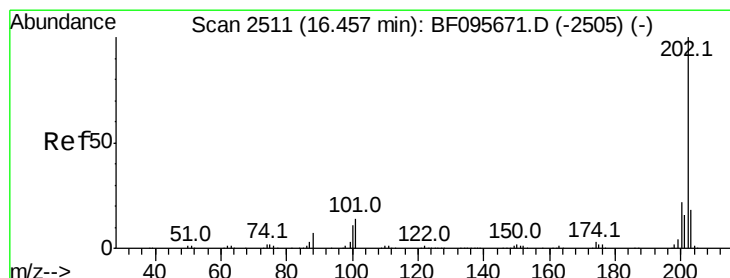
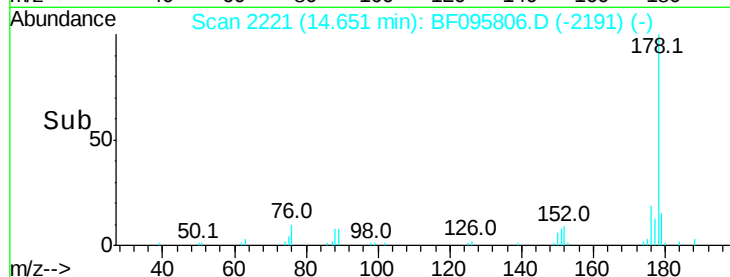
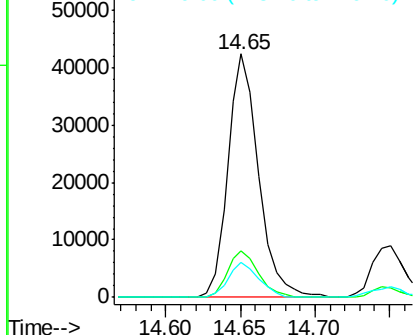
#71
 Anthracene
 Concen: 5.88 ng
 RT: 14.65 min Scan# 2221
 Delta R.T. -0.12 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 60846
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.5 12.7 19.1

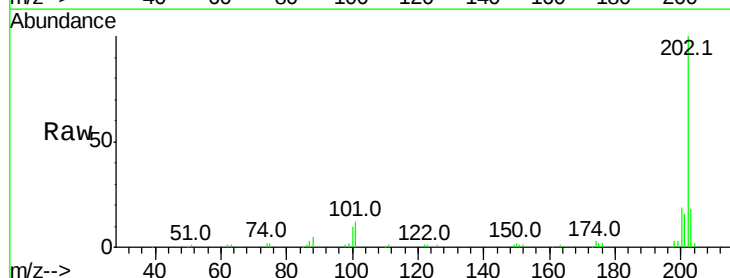


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

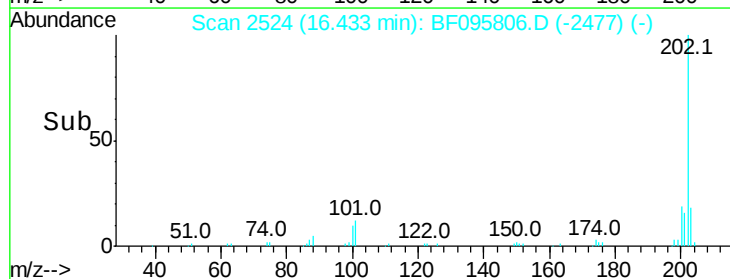
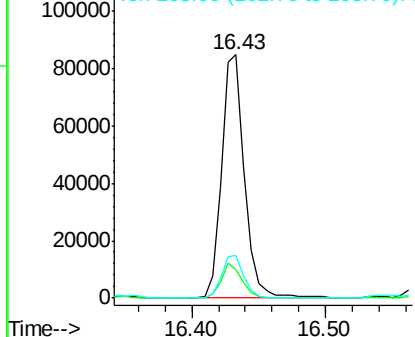


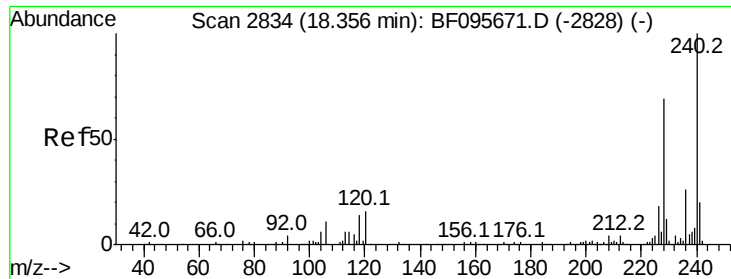
#74
 Fluoranthene
 Concen: 10.38 ng
 RT: 16.43 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Tgt Ion:202 Resp: 101833
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 33.2
 203 17.7 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

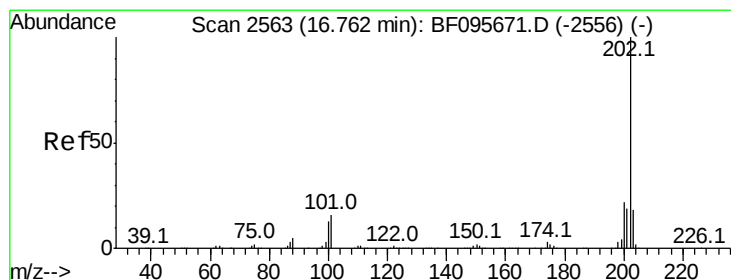
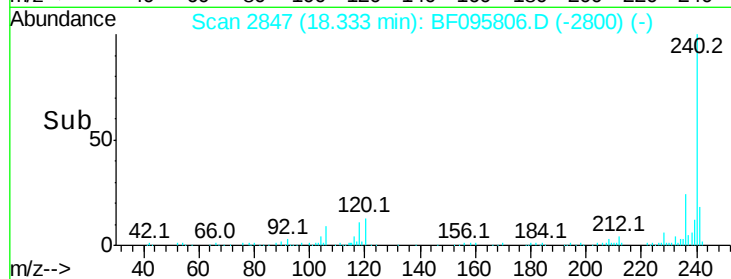
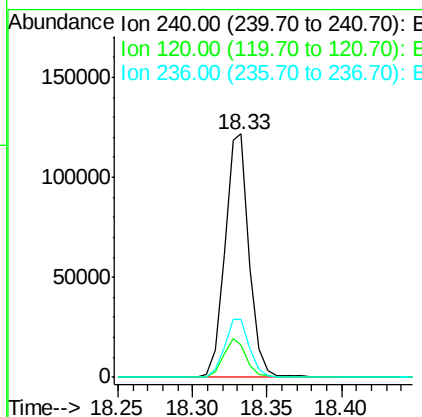
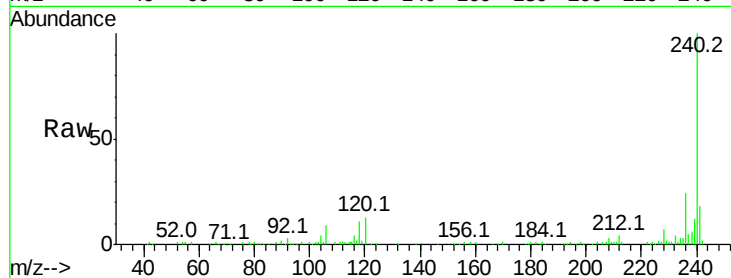




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.33 min Scan# 2847
 Delta R.T. -0.02 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

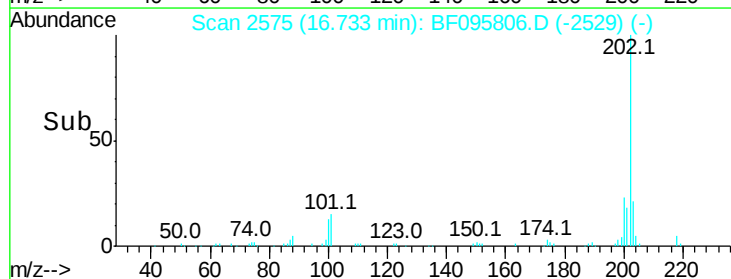
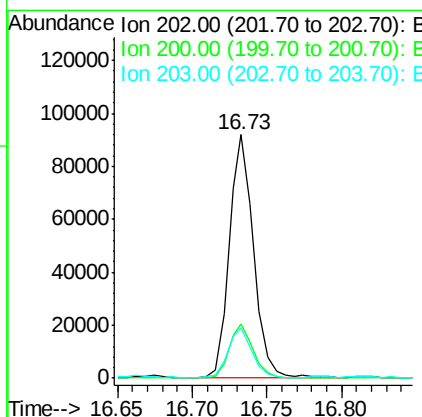
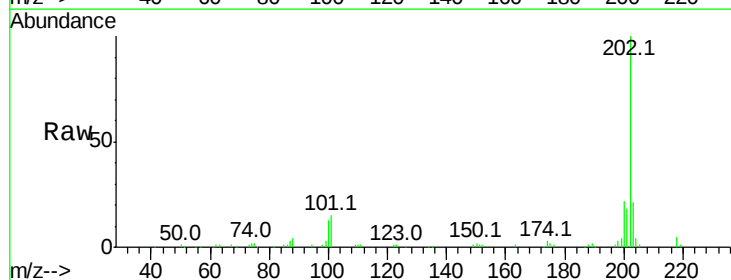
Instrument :
 BNA_F
 ClientSampleId :

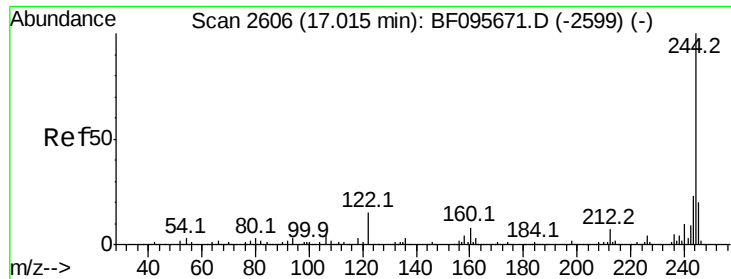
Tot Ion:240 Resp: 138400
 Ion Ratio Lower Upper
 240 100
 120 13.3 5.8 8.8#
 236 23.9 20.5 30.7



#77
 Pyrene
 Concen: 10.21 ng
 RT: 16.73 min Scan# 2575
 Delta R.T. -0.03 min
 Lab File: BF095806.D
 Acq: 9 Jun 2017 3:27

Tgt Ion:202 Resp: 105401
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.6 26.4
 203 20.8 14.4 21.6





#78

Terphenyl-d14

Concen: 11.52 ng

RT: 16.99 min Scan# 2618

Delta R.T. -0.03 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Instrument :

BNA_F

ClientSampleId :

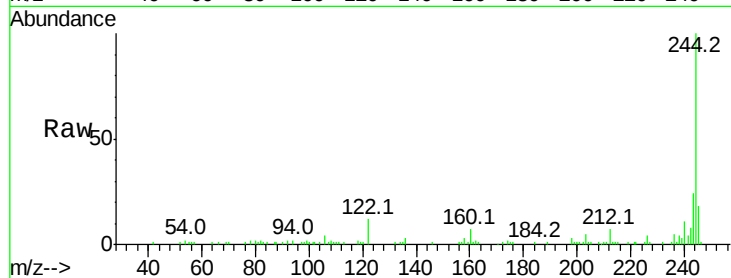
Tot Ion:244 Resp: 64246

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

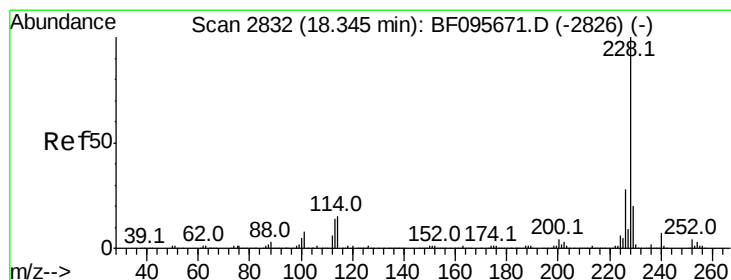
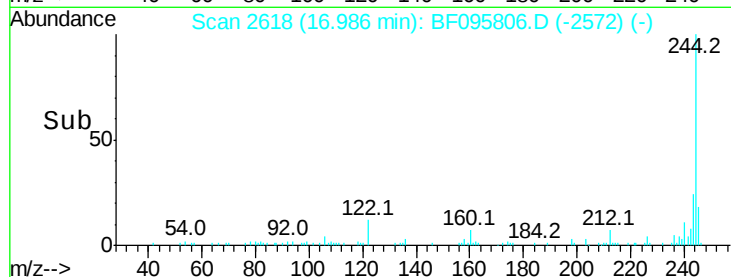
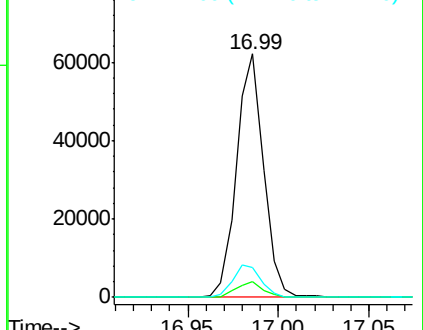
122 12.4 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 5.75 ng

RT: 18.32 min Scan# 2845

Delta R.T. -0.02 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

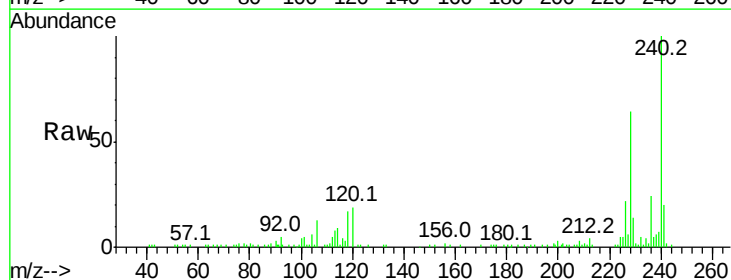
Tgt Ion:228 Resp: 46290

Ion Ratio Lower Upper

228 100

226 33.5 22.6 33.8

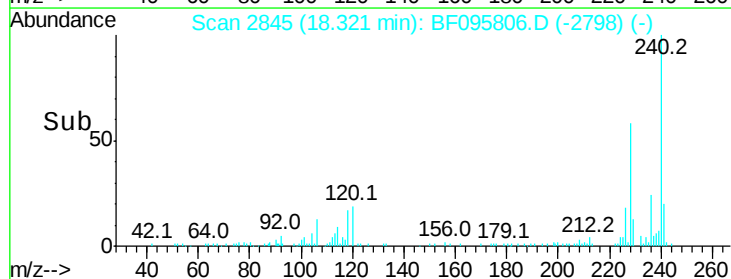
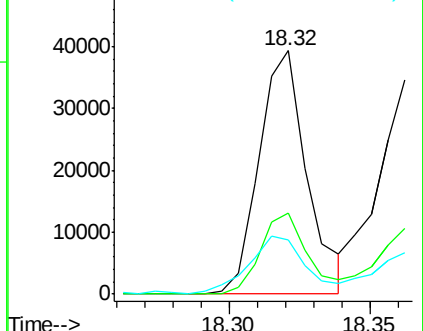
229 22.4 16.3 24.5

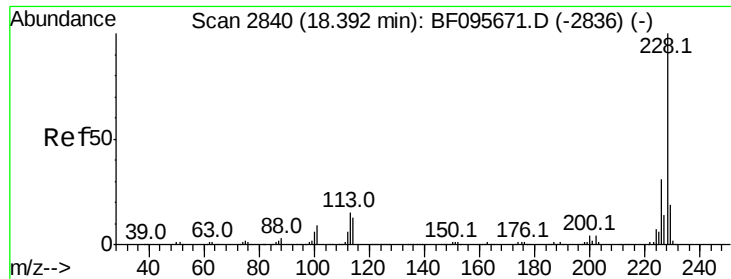


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

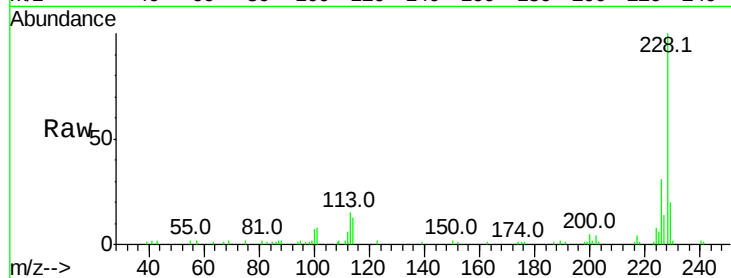




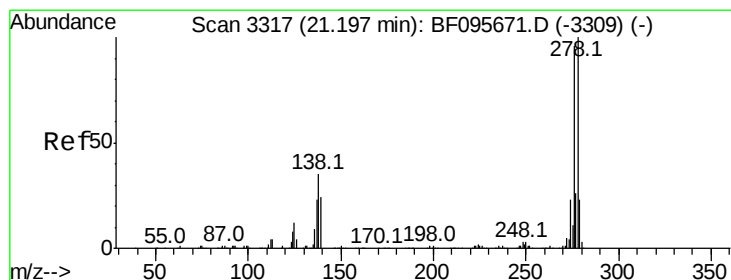
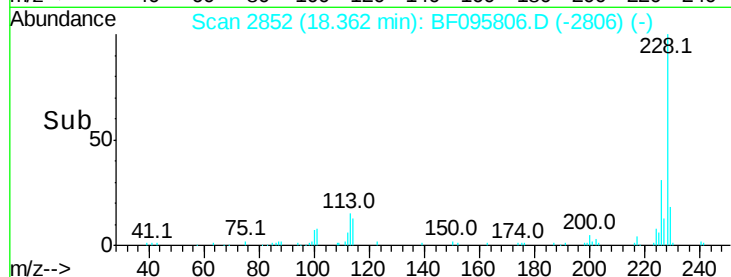
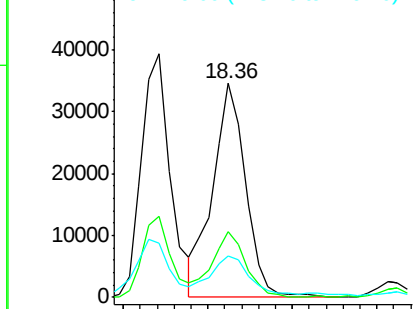
#82
Chrysene
Concen: 5.88 ng
RT: 18.36 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 47298
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 19.6 15.8 23.6

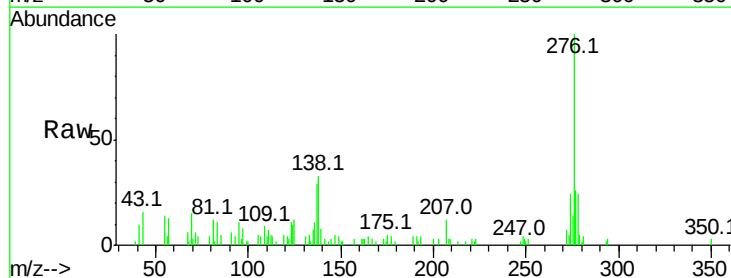


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

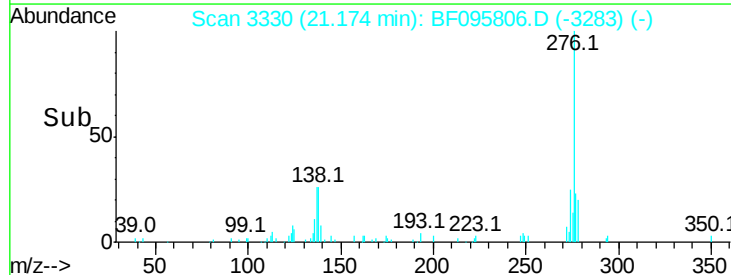
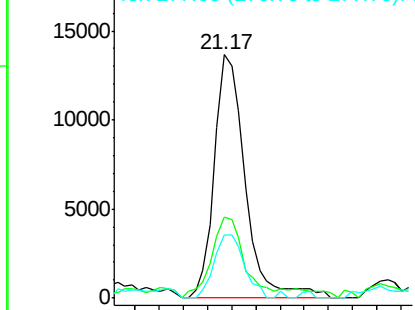


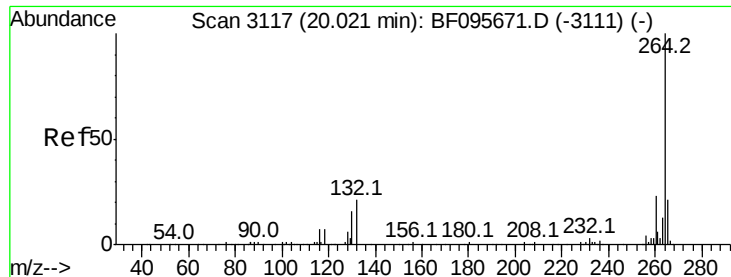
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.52 ng
RT: 21.17 min Scan# 3330
Delta R.T. -0.02 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion:276 Resp: 24247
Ion Ratio Lower Upper
276 100
138 34.7 27.8 41.6
277 25.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



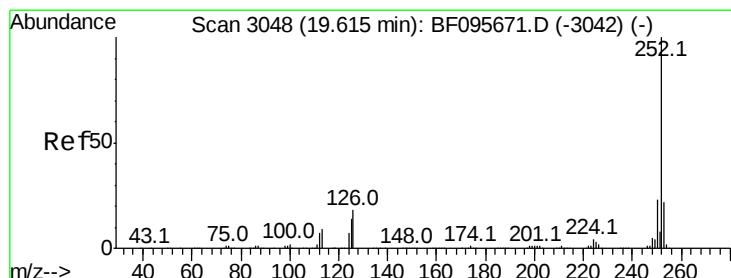
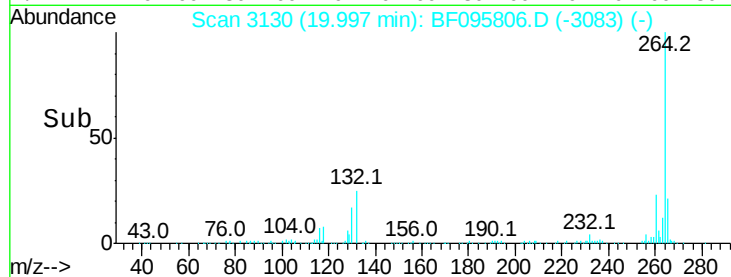
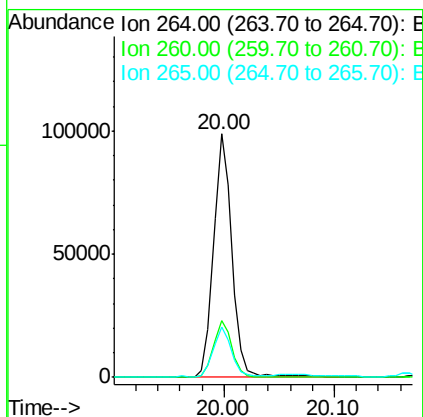
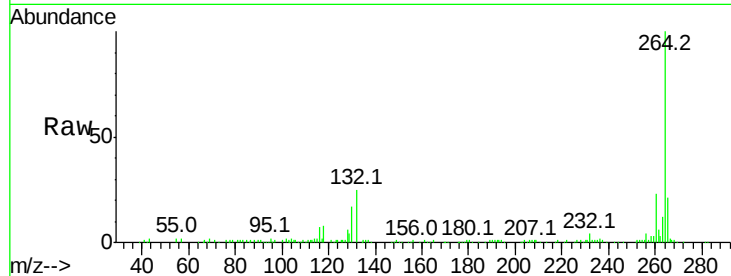


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.00 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 113156

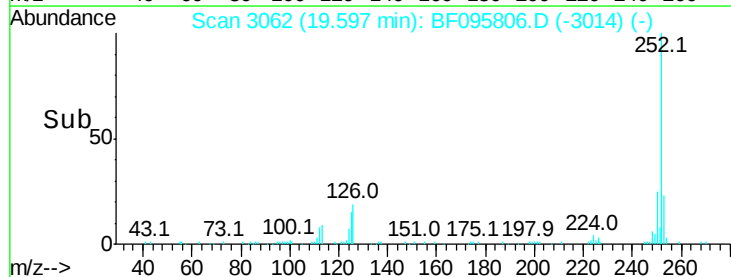
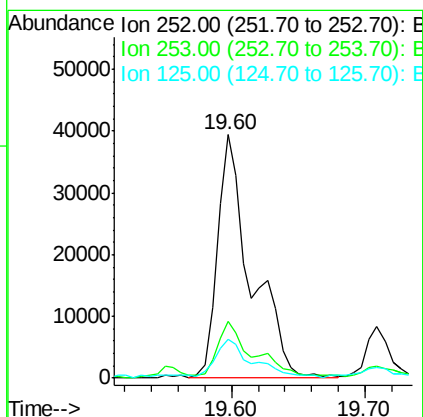
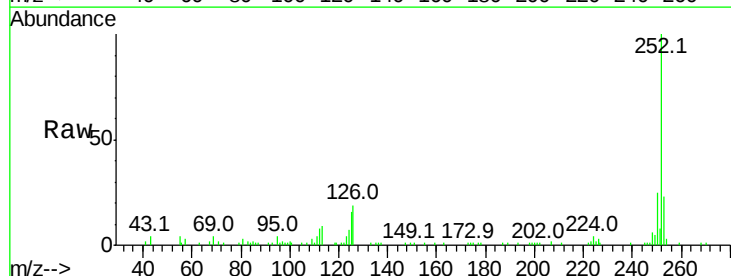
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.7	17.2	25.8

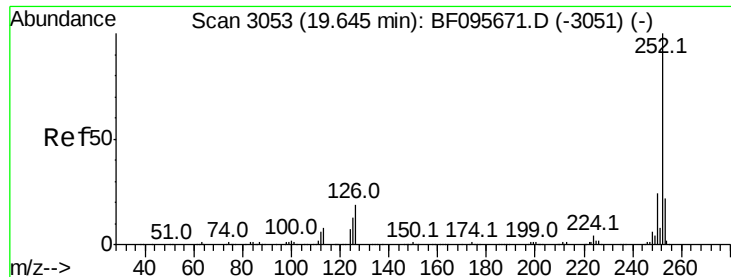


#87
Benzo(b)fluoranthene
Concen: 9.82 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095806.D
Acq: 9 Jun 2017 3:27

Tgt Ion:252 Resp: 69564

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	15.9	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 10.27 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.05 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Instrument :

BNA_F

ClientSampleId :

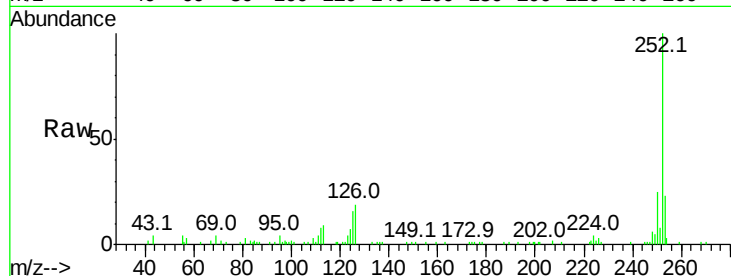
Tot Ion:252 Resp: 69564

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

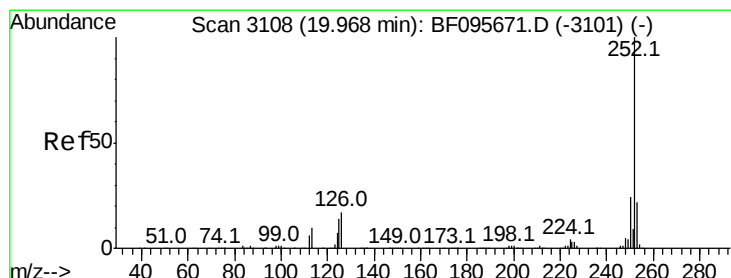
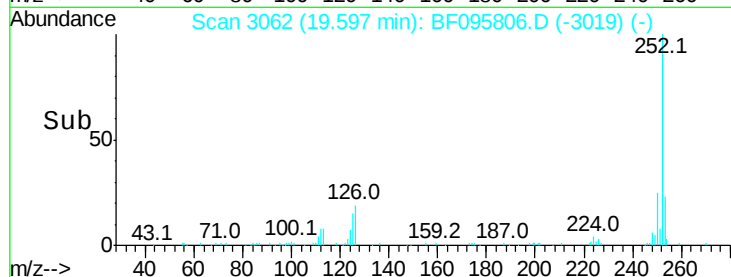
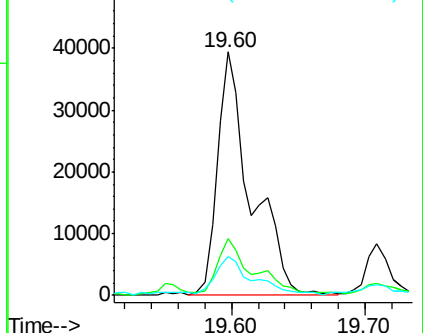
125 15.9 13.1 19.7



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: 5.81 ng

RT: 19.94 min Scan# 3121

Delta R.T. -0.02 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

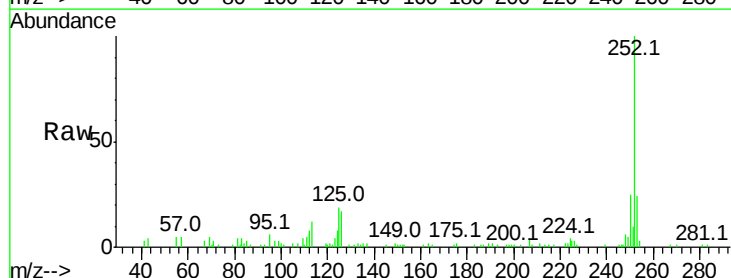
Tgt Ion:252 Resp: 37858

Ion Ratio Lower Upper

252 100

253 23.9 17.5 26.3

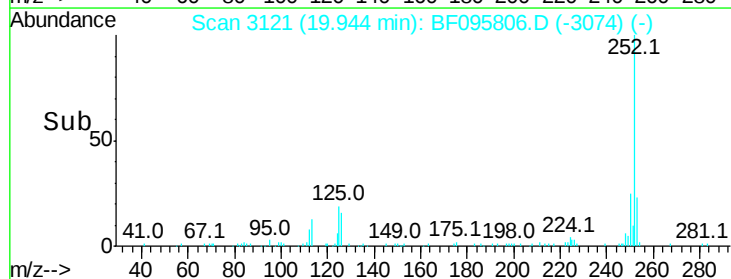
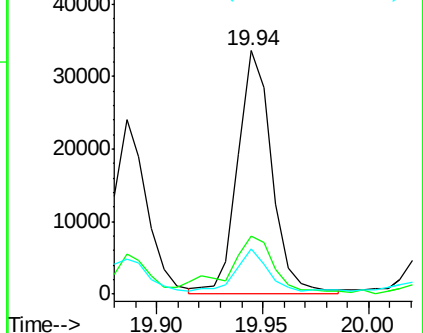
125 18.7 11.0 16.4#

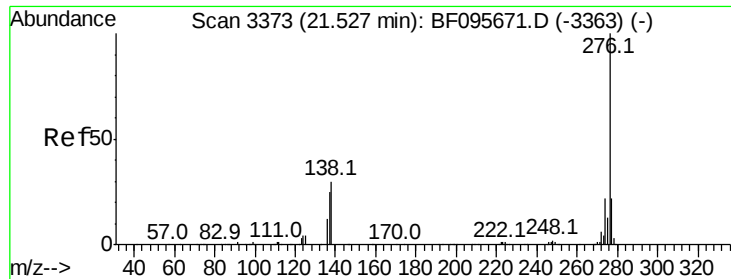


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.20 ng

RT: 21.51 min Scan# 3388

Delta R.T. -0.01 min

Lab File: BF095806.D

Acq: 9 Jun 2017 3:27

Instrument :

BNA_F

ClientSampleId :

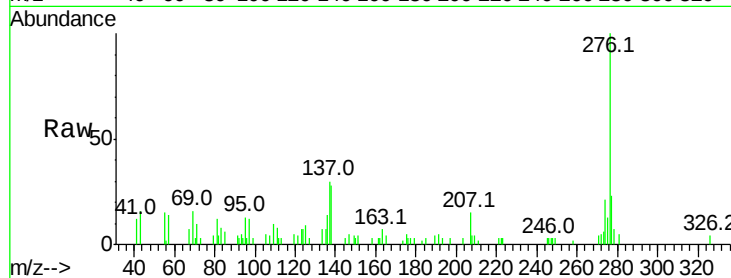
Tot Ion:276 Resp: 23675

Ion Ratio Lower Upper

276 100

277 23.0 18.6 28.0

138 28.5 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

