

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070617\
 Data File : BF096526.D
 Acq On : 6 Jul 2017 12:04
 Operator : SJ/MA
 Sample : I4052-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

Quant Time: Jul 06 18:23:43 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	128360	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	524868	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	220803	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	348065	20.00	ng	0.00
75) Chrysene-d12	13.86	240	244366	20.00	ng	0.00
86) Perylene-d12	15.27	264	219435	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	856100	98.44	ng	0.00
7) Phenol-d6	6.35	99	1036865	96.98	ng	0.00
23) Nitrobenzene-d5	7.27	82	597403	68.40	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	161719	93.76	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1029323	79.70	ng	0.00
78) Terphenyl-d14	12.82	244	664885	58.14	ng	0.00

Target Compounds

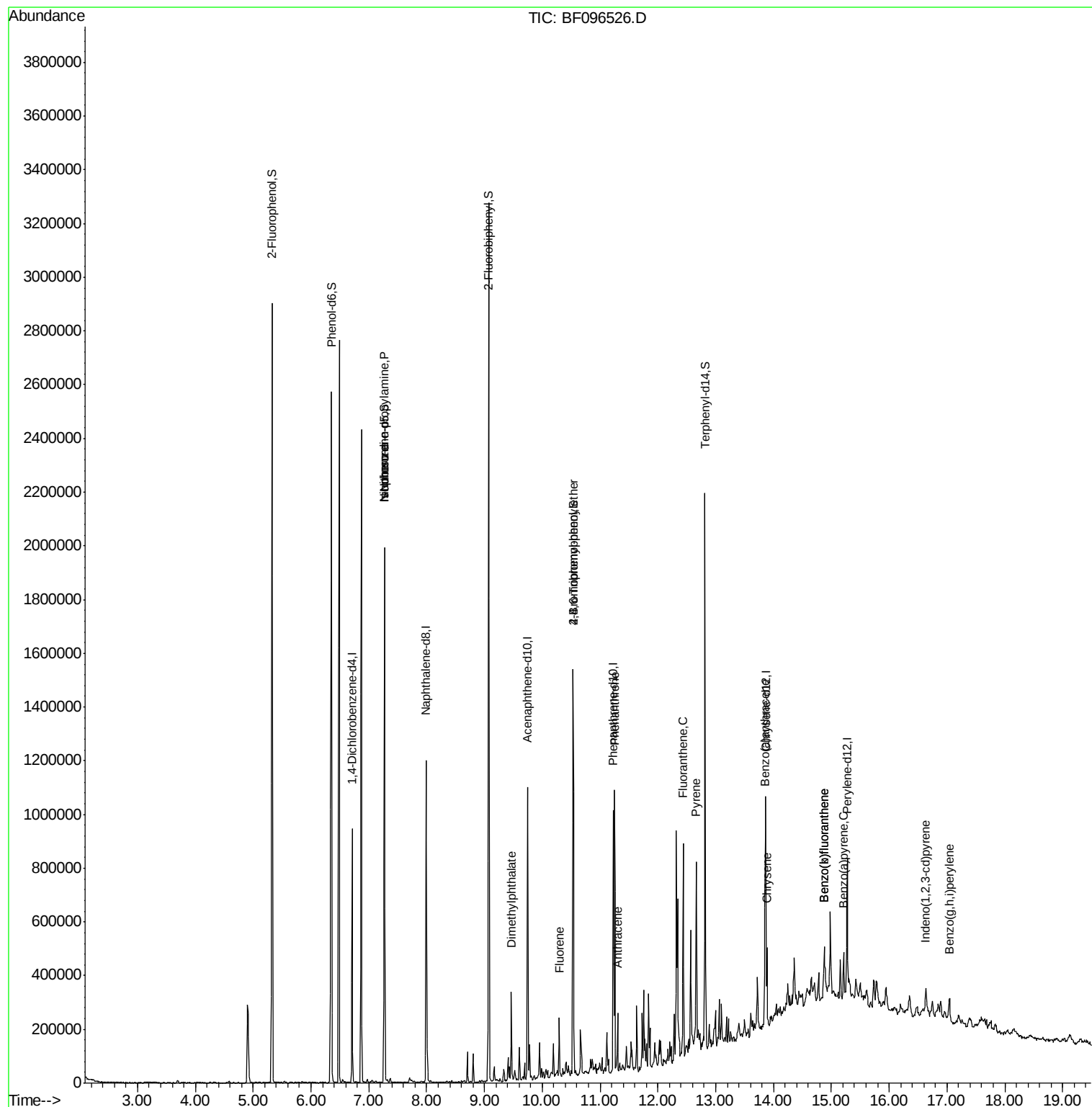
						Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	78766	12.367	ng	# 87
25) Isophorone	7.27	82	594944	35.130	ng	# 67
49) Dimethylphthalate	9.46	163	120435	7.307	ng	98
57) Fluorene	10.29	166	50743	3.952	ng	98
66) 4-Bromophenyl-phenylether	10.53	248	10941	3.229	ng	# 1
70) Phenanthrene	11.25	178	348689	18.532	ng	99
71) Anthracene	11.30	178	77212	4.027	ng	99
74) Fluoranthene	12.44	202	291996	15.828	ng	97
77) Pyrene	12.66	202	281873	14.371	ng	99
80) Benzo(a)anthracene	13.85	228	108941	7.699	ng	94
82) Chrysene	13.89	228	103153	6.961	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	44229	3.781	ng	94
87) Benzo(b)fluoranthene	14.87	252	133171	9.685	ng	# 96
88) Benzo(k)fluoranthene	14.87	252	133171	10.828	ng	100
89) Benzo(a)pyrene	15.22	252	81102	6.607	ng	# 95
91) Benzo(g,h,i)perylene	17.04	276	46494	4.646	ng	# 93

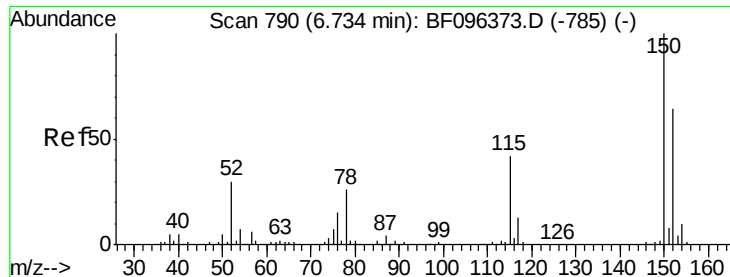
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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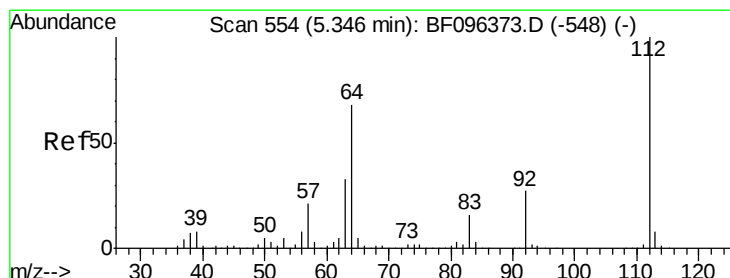
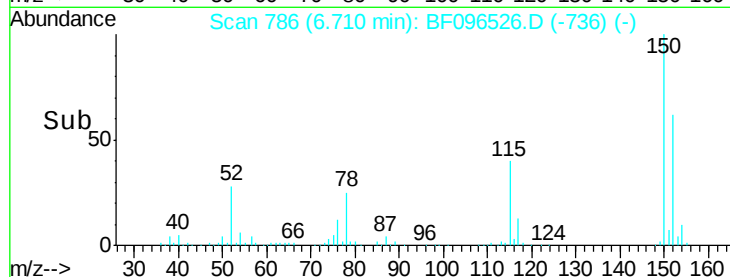
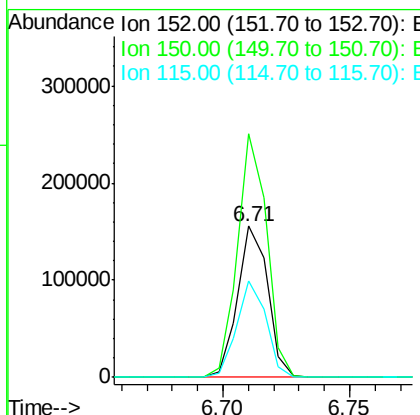
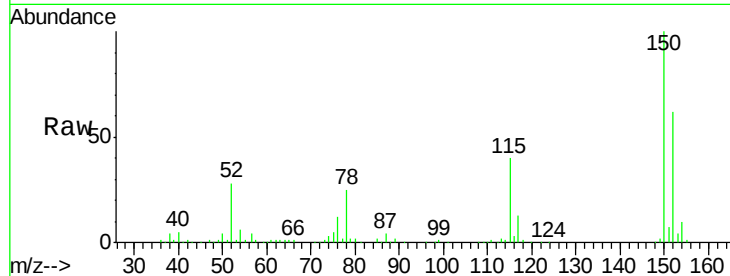




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

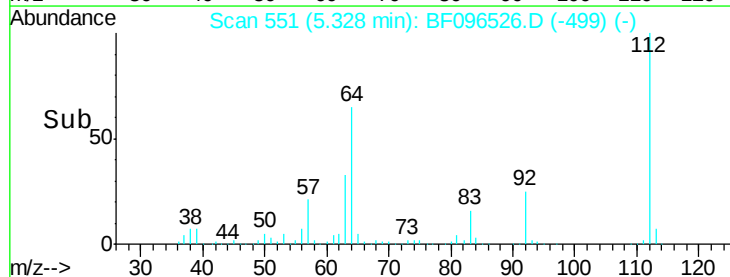
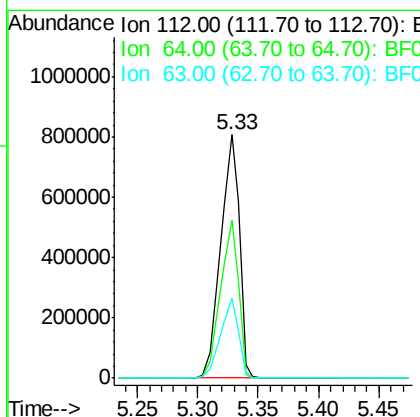
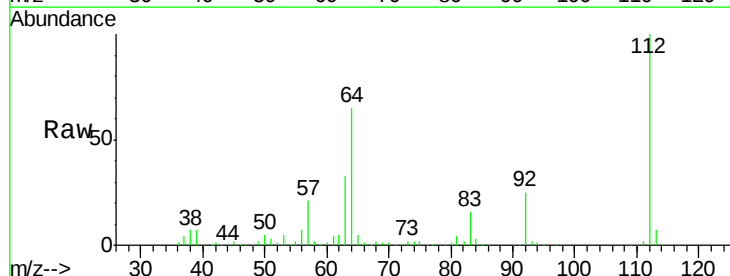
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

Tgt Ion:152 Resp: 128360
 Ion Ratio Lower Upper
 152 100
 150 161.1 126.2 189.2
 115 63.9 52.2 78.2



#5
 2-Fluorophenol
 Concen: 98.440 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Tgt Ion:112 Resp: 856100
 Ion Ratio Lower Upper
 112 100
 64 65.0 46.0 69.0
 63 32.7 23.4 35.0





#7

Phenol-d6

Concen: 96.981 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

ClientSampleId :

HR-03-070317-B

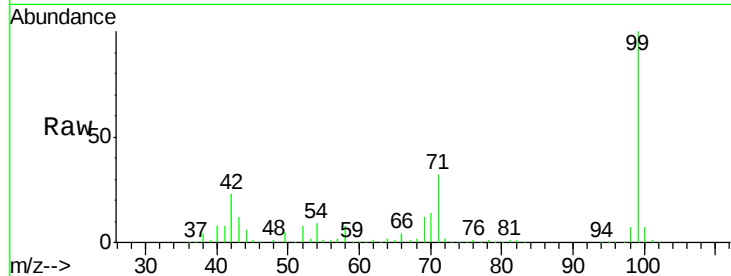
Tgt Ion: 99 Resp: 1036865

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

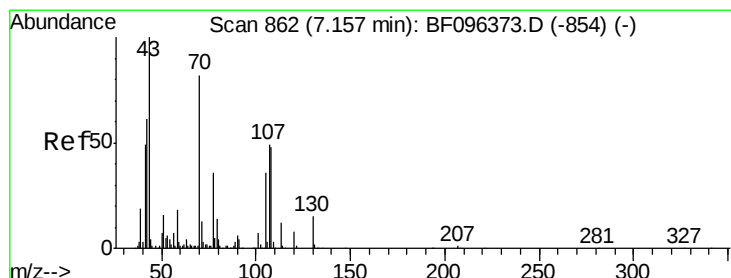
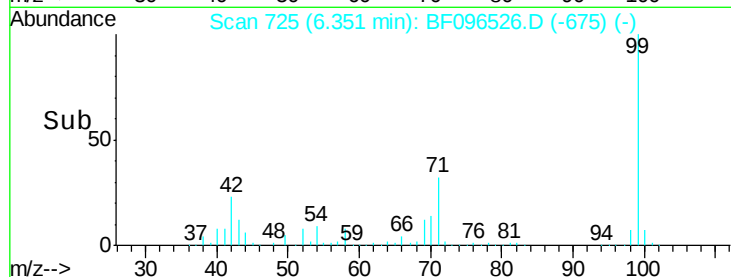
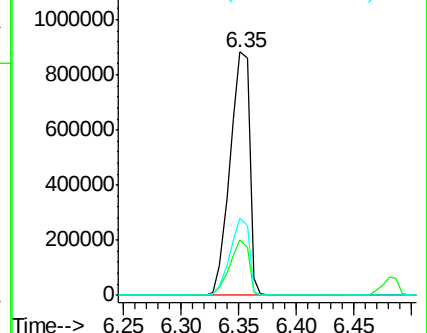
71 31.8 24.5 36.7



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: 12.367 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Tgt Ion: 70 Resp: 78766

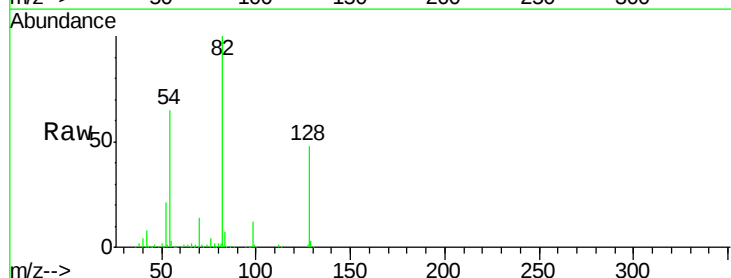
Ion Ratio Lower Upper

70 100

42 57.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

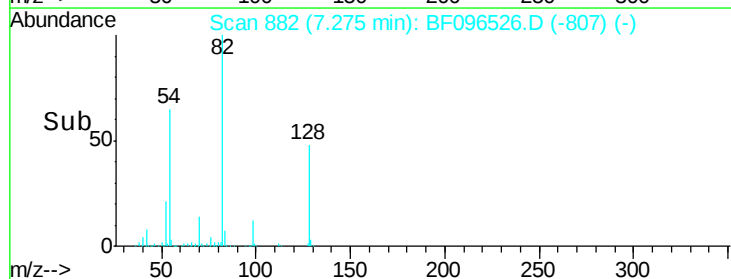
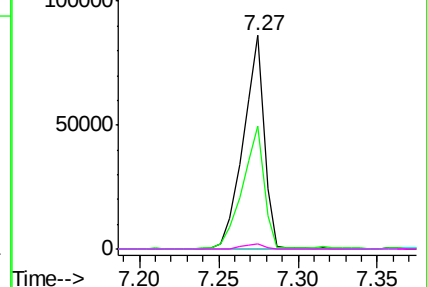


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

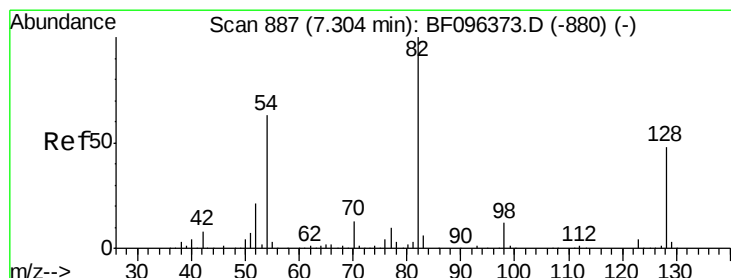
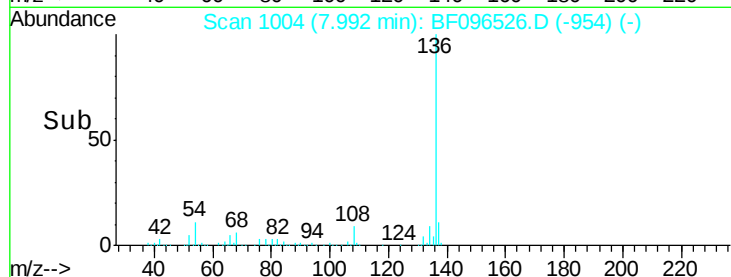
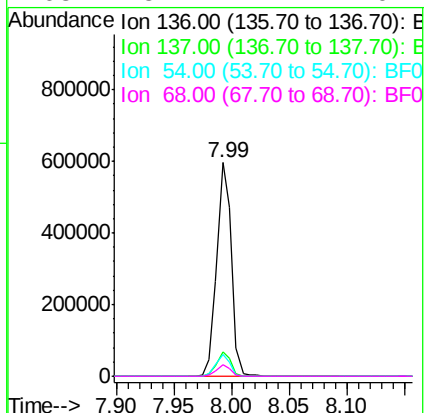
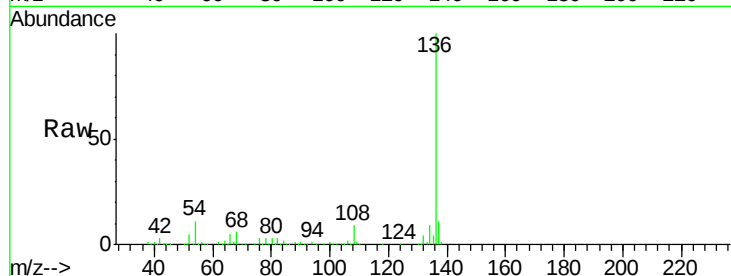




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

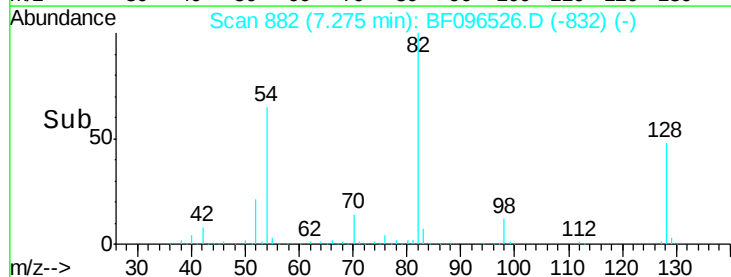
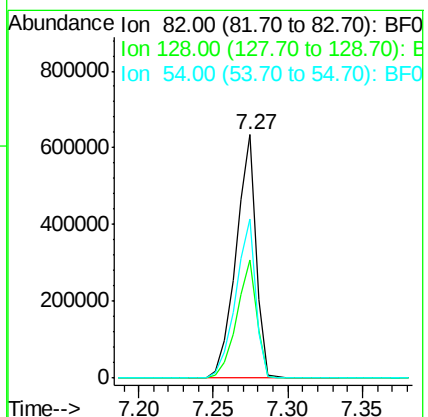
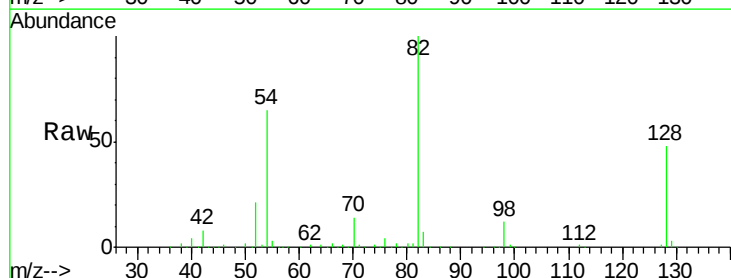
Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

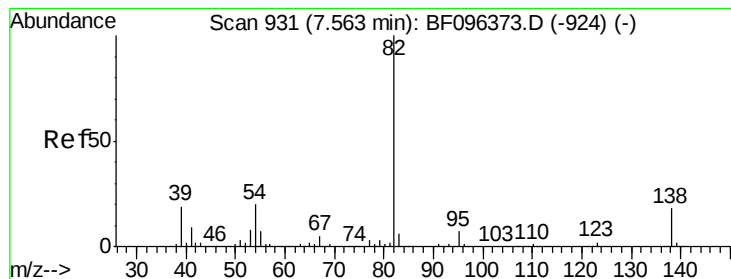
Tgt Ion:	136	Resp:	524868
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.5	4.9	7.3#
68	5.7	4.1	6.1



#23
Nitrobenzene-d5
Concen: 68.395 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion:	82	Resp:	597403
Ion	Ratio	Lower	Upper
82	100		
128	48.4	34.0	51.0
54	65.2	42.2	63.2#





#25

Isophorone

Concen: 35.130 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

ClientSampleId :

HR-03-070317-B

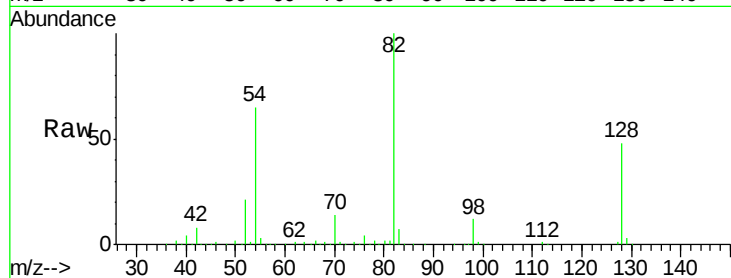
Tgt Ion: 82 Resp: 594944

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

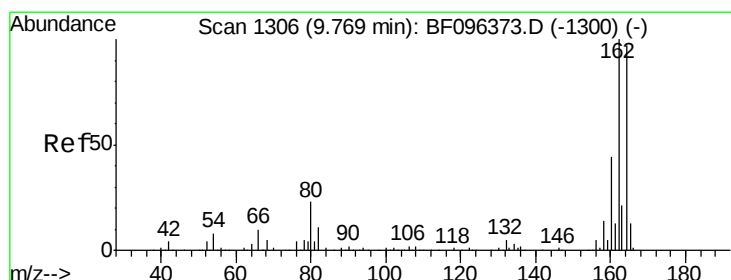
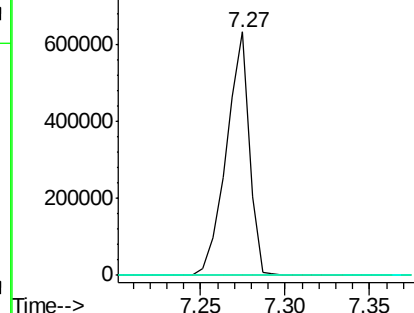
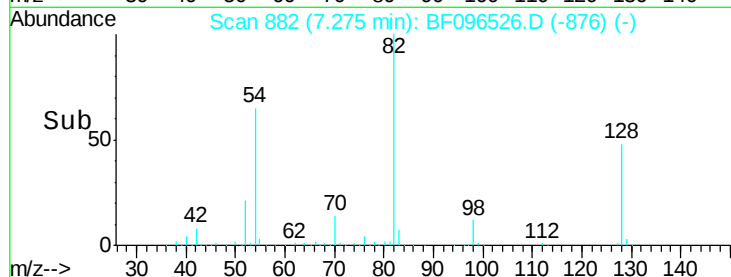
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

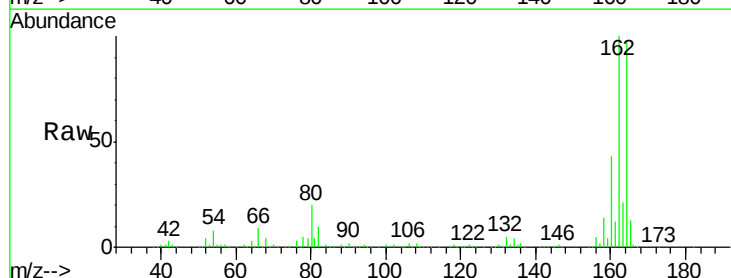
Tgt Ion: 164 Resp: 220803

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

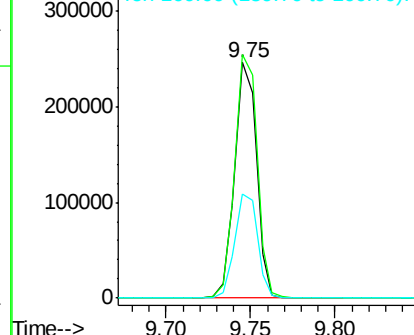
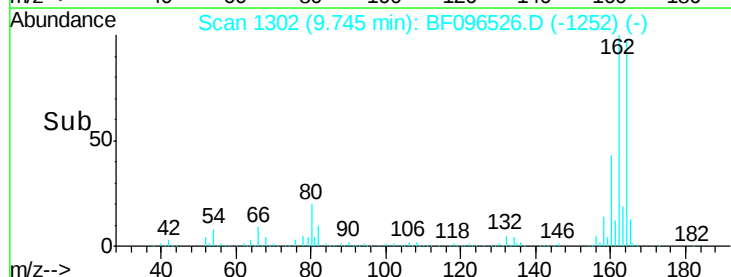
160 44.4 36.2 54.2

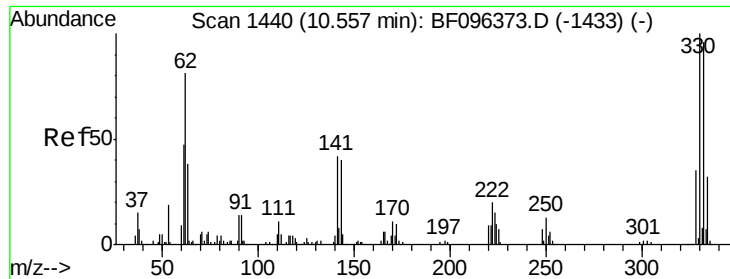


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

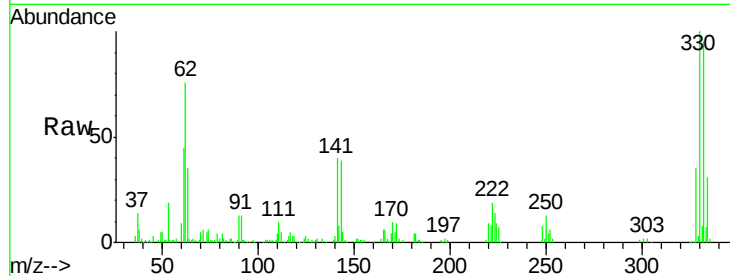




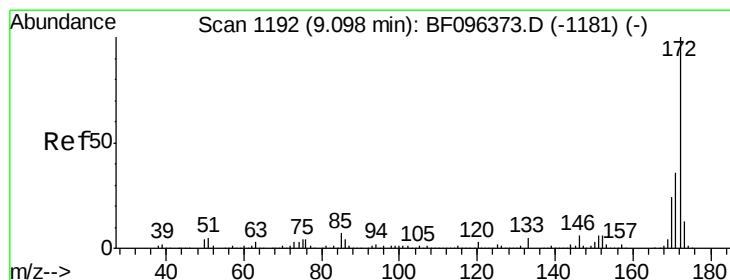
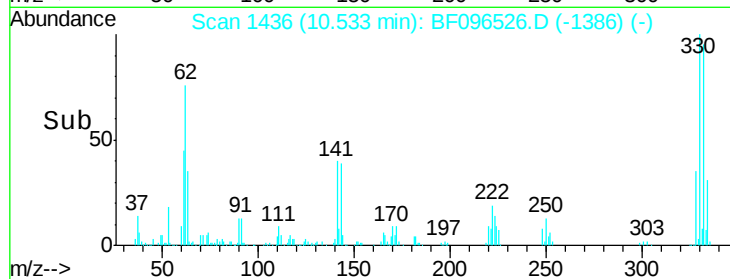
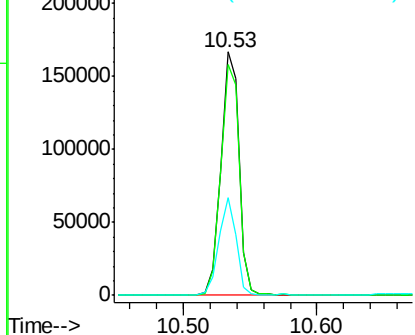
#41
 2,4,6-Tribromophenol
 Concen: 93.764 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

Tgt Ion:330 Resp: 161719
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 115.0
 141 37.3 31.4 47.2

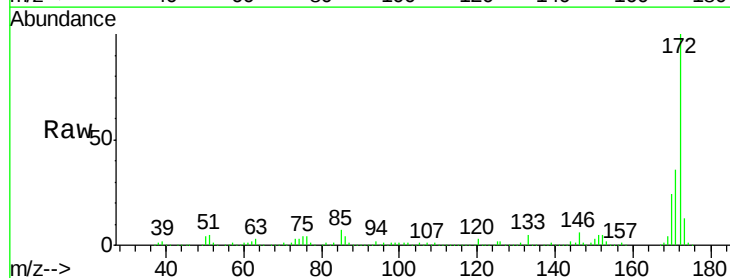


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

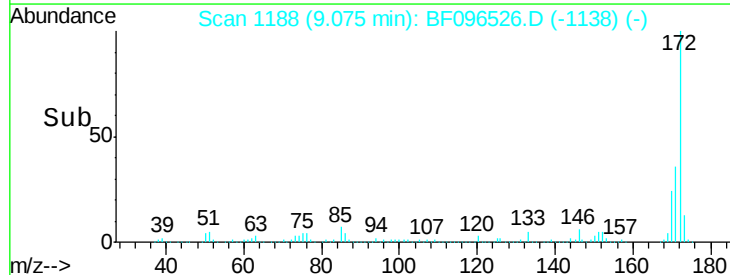
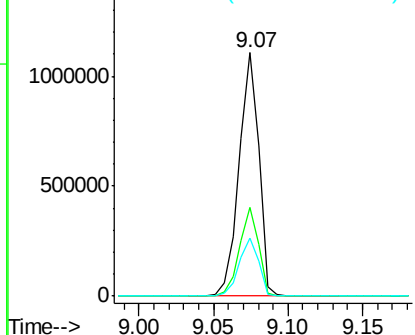


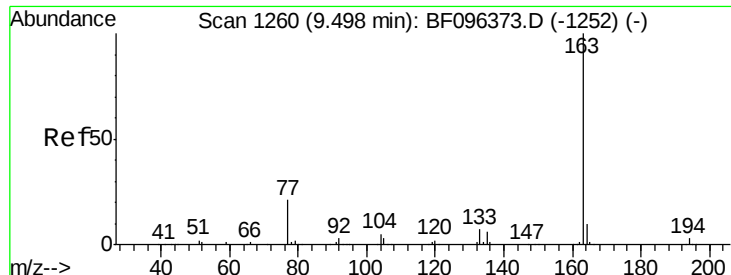
#44
 2-Fluorobiphenyl
 Concen: 79.705 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Tgt Ion:172 Resp: 1029323
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 24.1 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

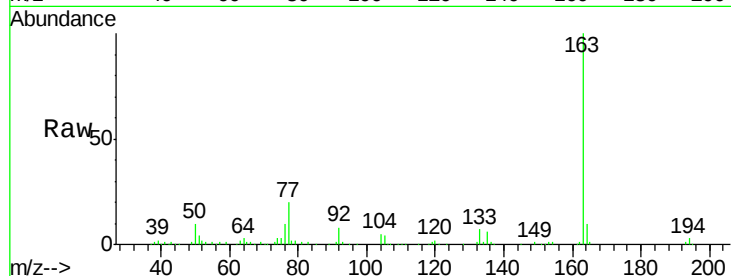




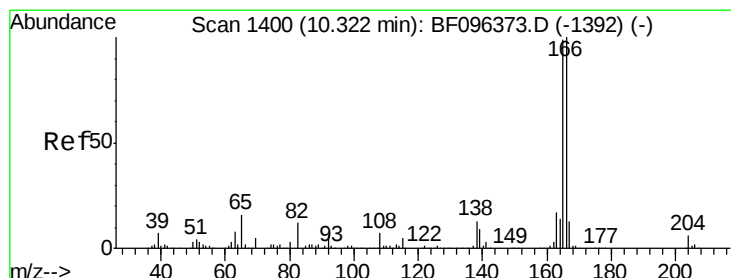
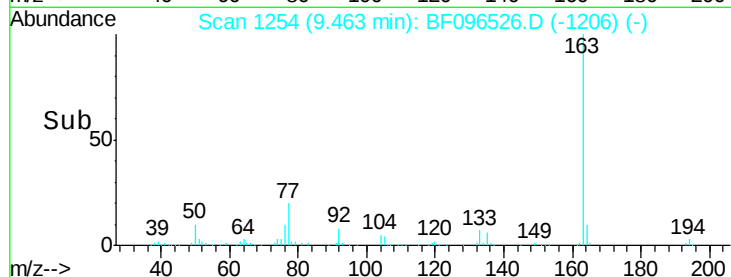
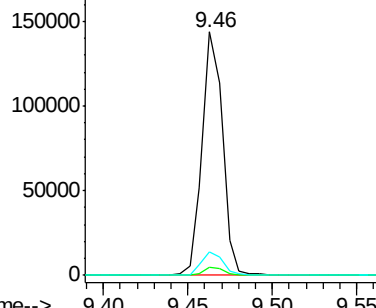
#49
Dimethylphthalate
Concen: 7.307 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

Tgt Ion:163 Resp: 120435
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.6 8.4 12.6

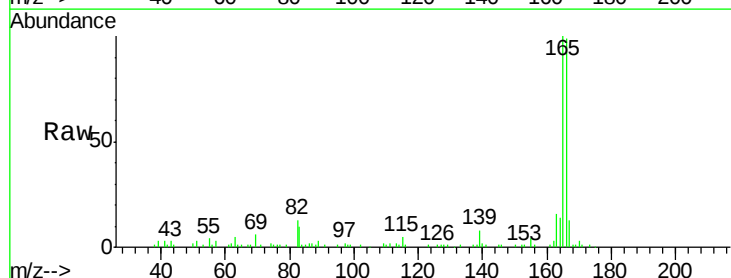


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

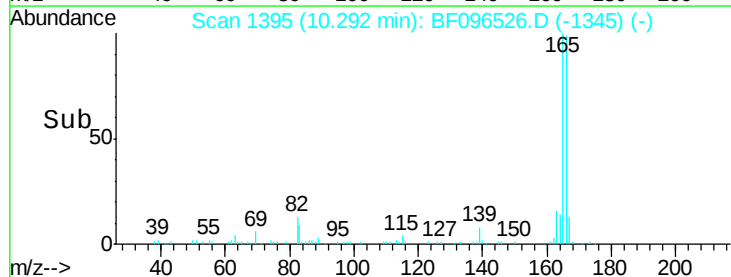
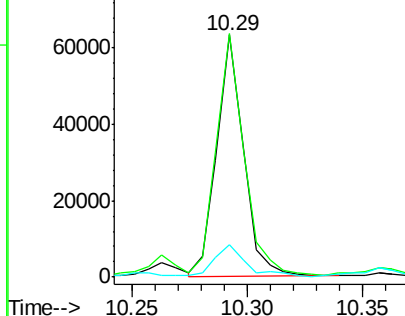


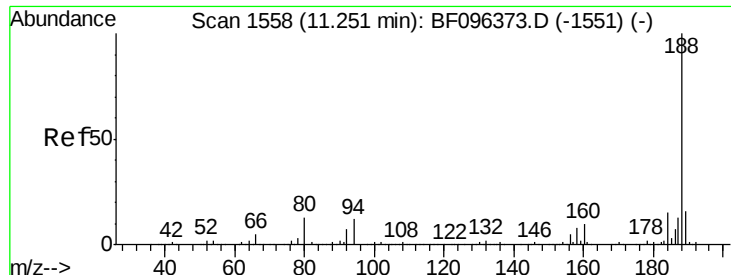
#57
Fluorene
Concen: 3.952 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion:166 Resp: 50743
Ion Ratio Lower Upper
166 100
165 100.6 78.8 118.2
167 13.2 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

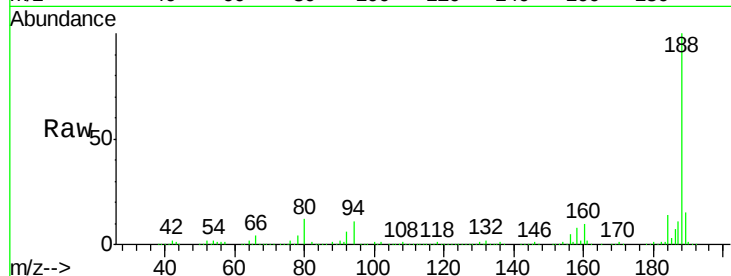




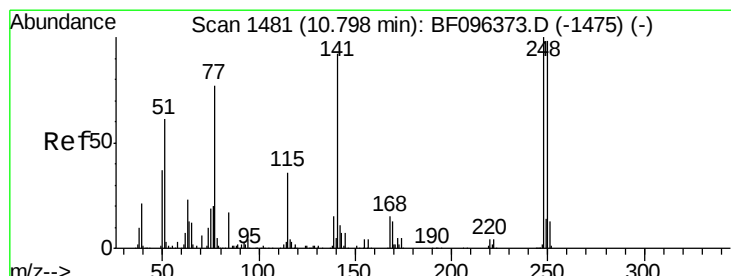
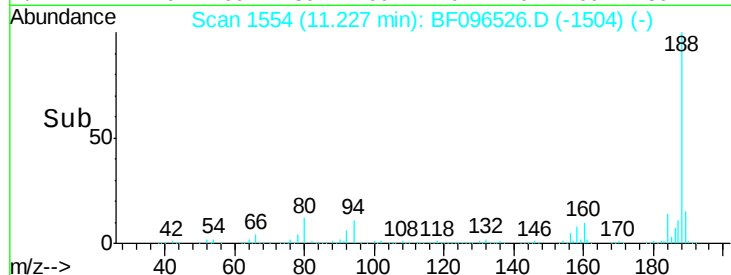
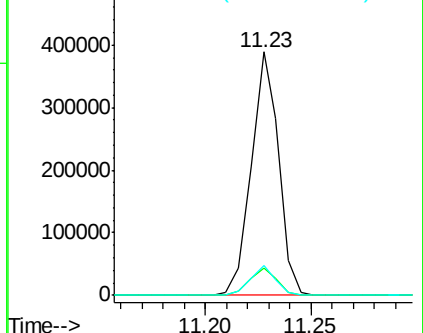
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

Tgt Ion:188 Resp: 348065
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.0 10.2 15.2

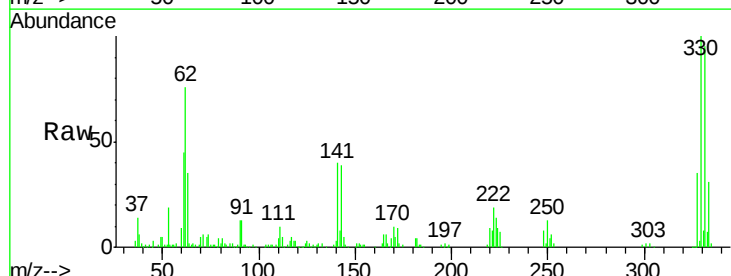


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

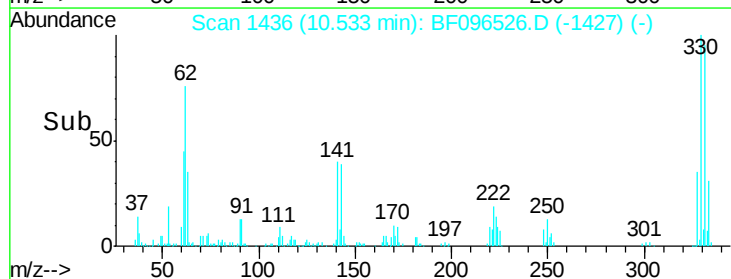
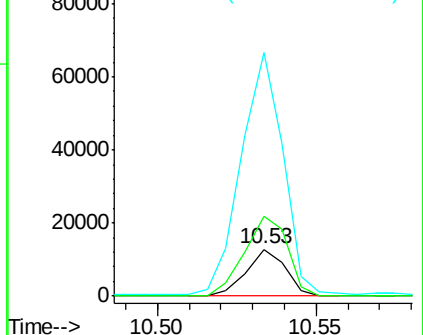


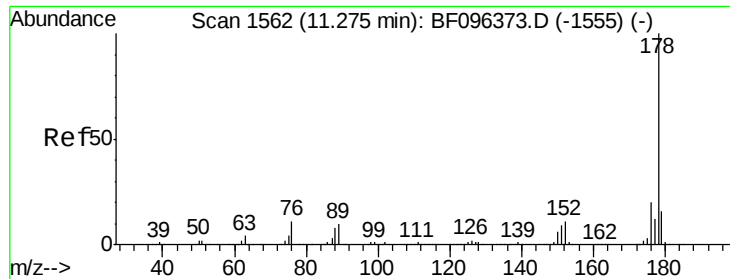
#66
4-Bromophenyl-phenylether
Concen: 3.229 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.25 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion:248 Resp: 10941
Ion Ratio Lower Upper
248 100
250 170.0 76.8 115.2#
141 522.5 68.6 103.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

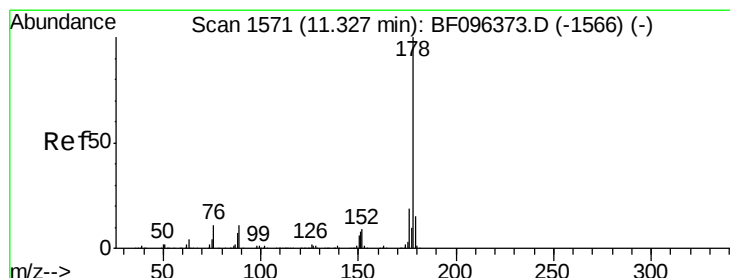
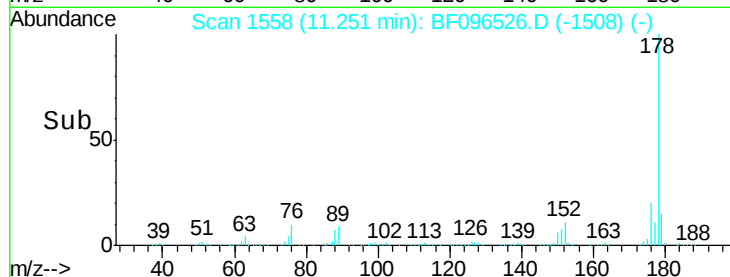
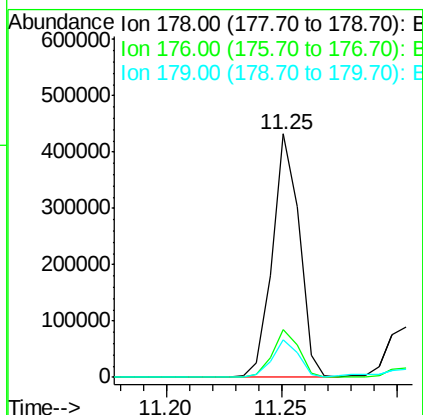
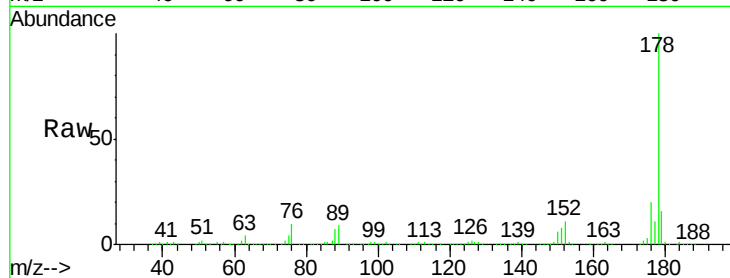




#70
Phenanthrene
Concen: 18.532 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

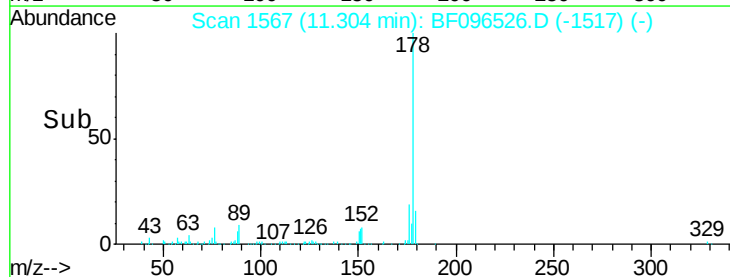
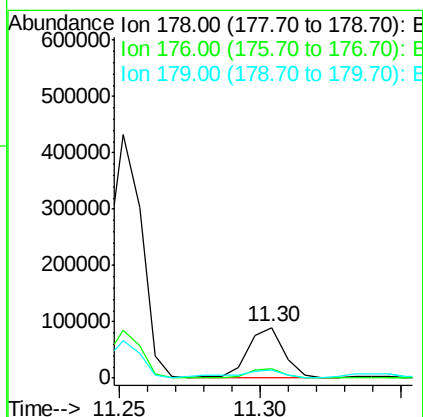
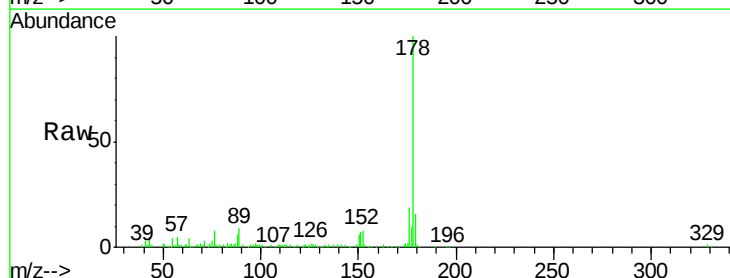
Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

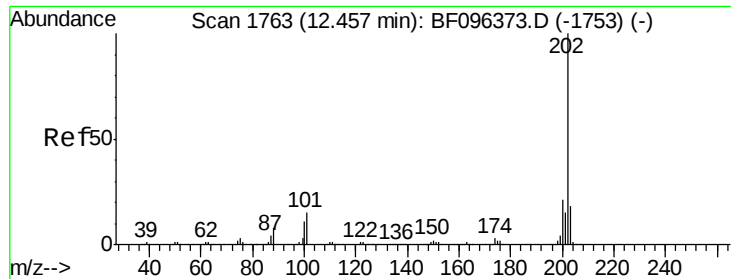
Tgt Ion:178 Resp: 348689
Ion Ratio Lower Upper
178 100
176 19.7 16.2 24.4
179 15.6 12.6 19.0



#71
Anthracene
Concen: 4.027 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion:178 Resp: 77212
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 16.2 12.7 19.1

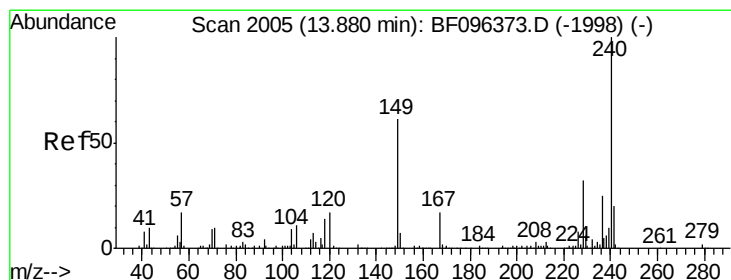
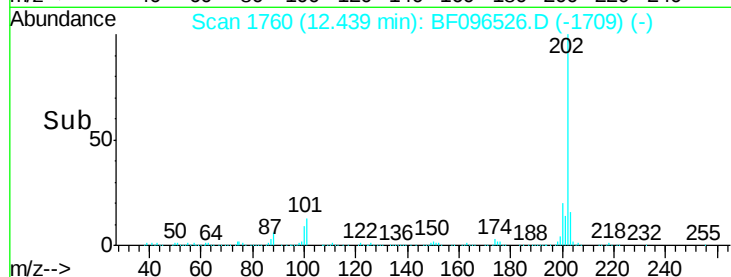
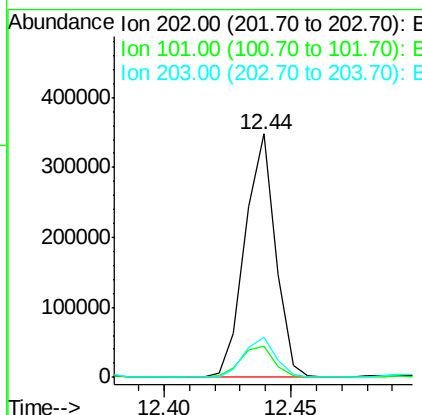
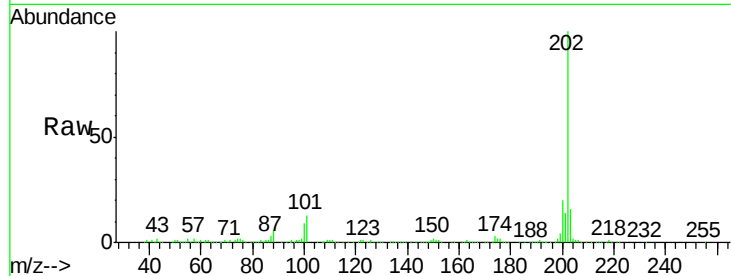




#74
 Fluoranthene
 Concen: 15.828 ng
 RT: 12.44 min Scan# 1760
 Delta R.T. -0.00 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

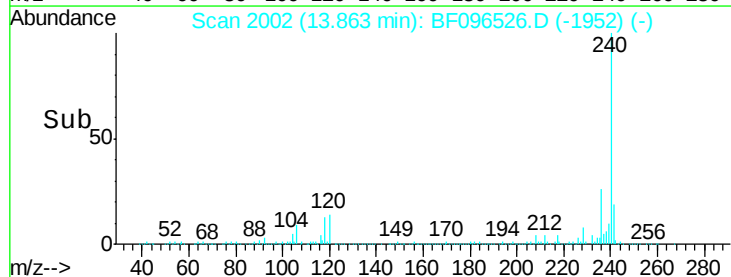
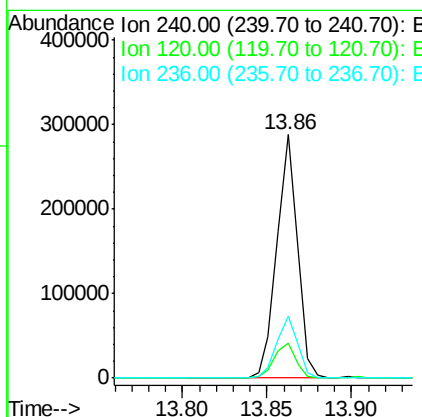
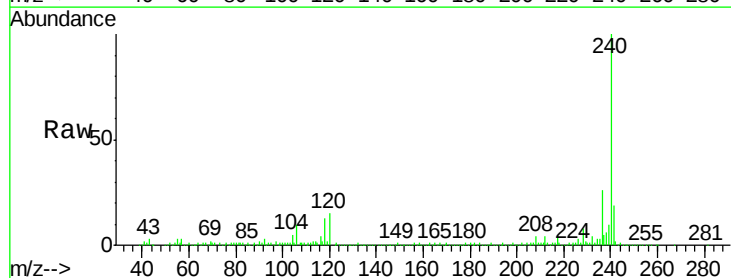
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

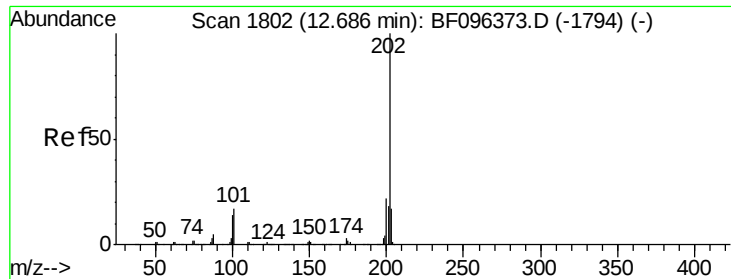
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	16.3	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	25.6	20.5	30.7





#77

Pyrene

Concen: 14.371 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

Instrument :

BNA_F

ClientSampleId :

HR-03-070317-B

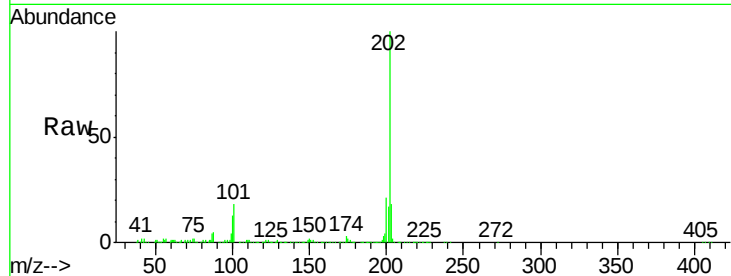
Tgt Ion:202 Resp: 281873

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

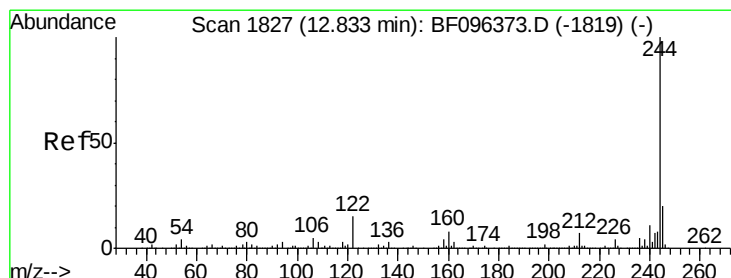
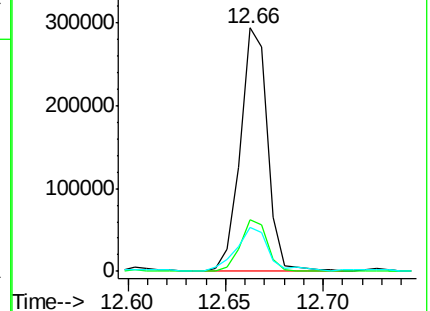
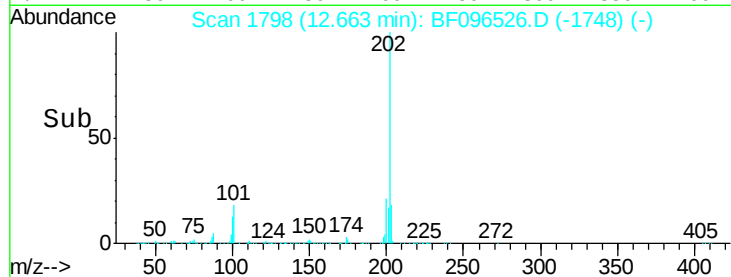
203 18.2 14.4 21.6



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: 58.140 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF096526.D

Acq: 6 Jul 2017 12:04

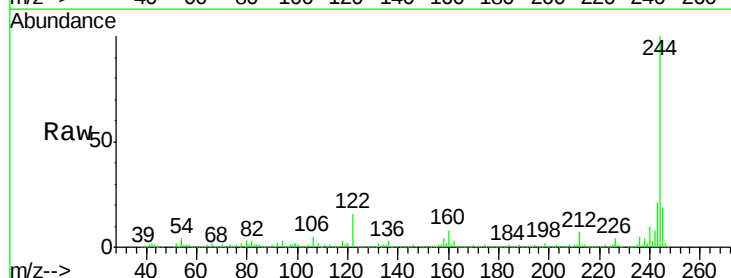
Tgt Ion:244 Resp: 664885

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

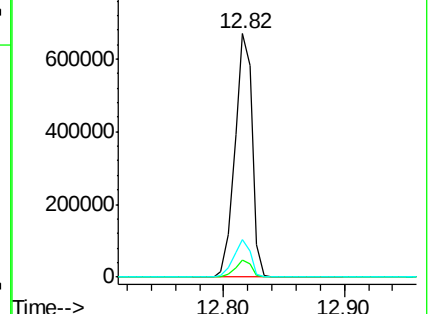
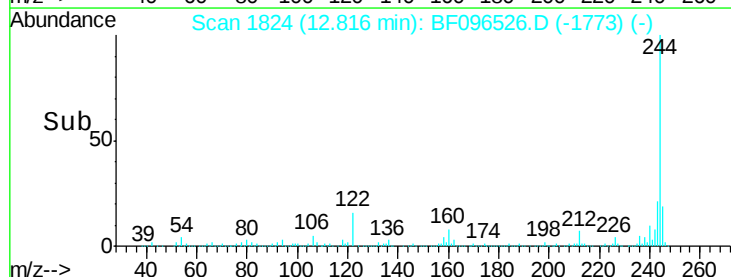
122 15.6 10.3 15.5#

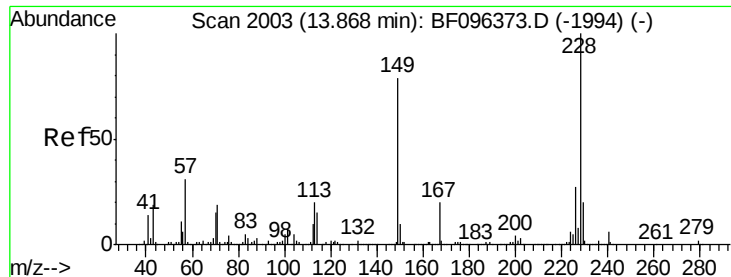


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

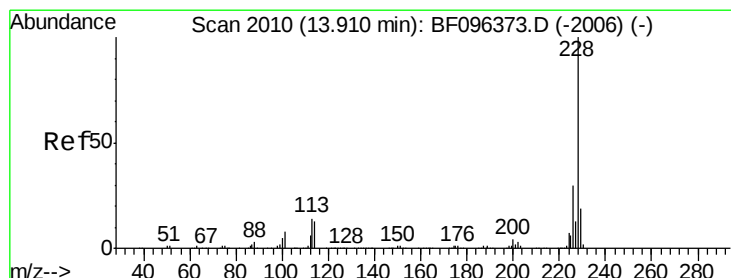
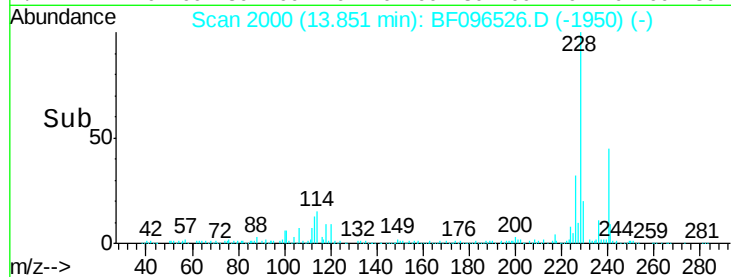
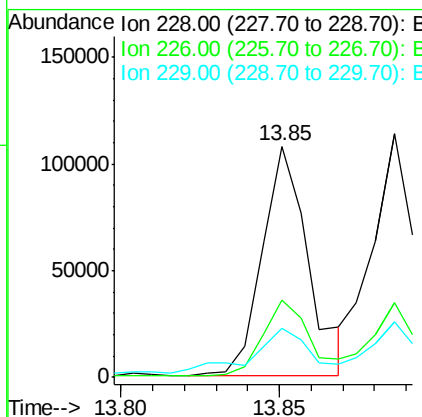
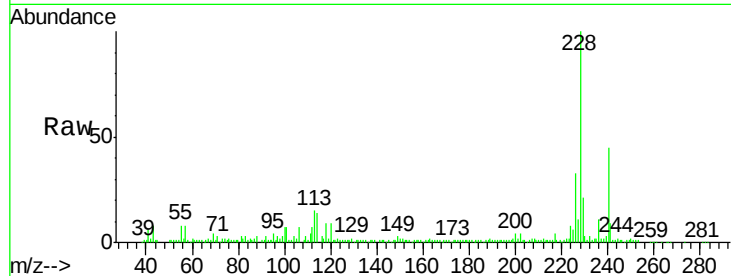




#80
Benzo(a)anthracene
Concen: 7.699 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

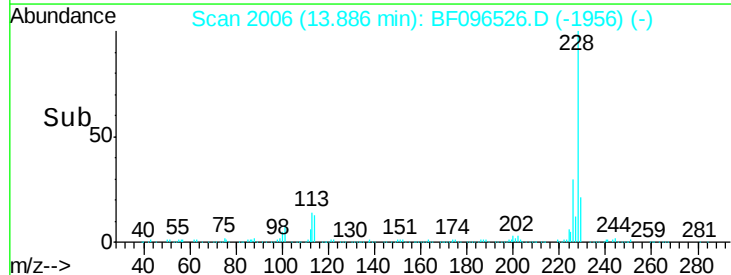
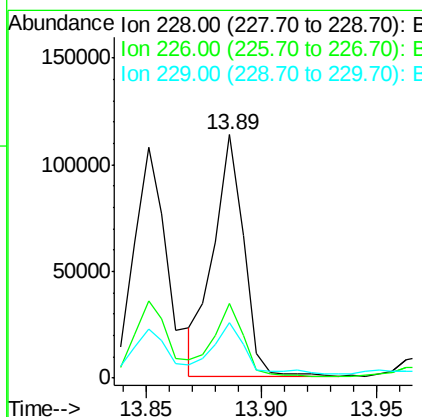
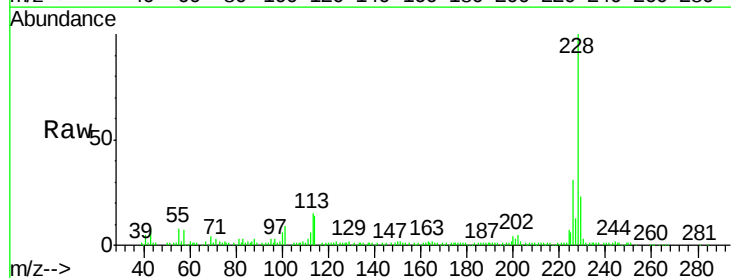
Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

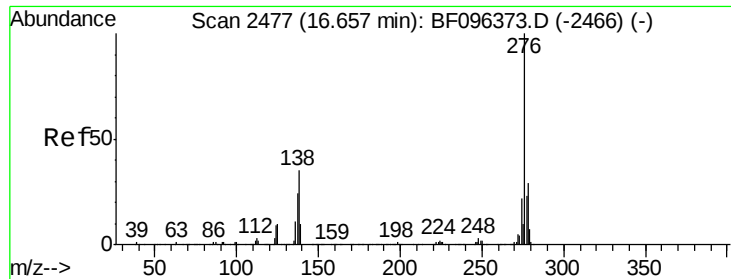
Tgt Ion:228 Resp: 108941
Ion Ratio Lower Upper
228 100
226 33.2 22.6 33.8
229 21.2 16.3 24.5



#82
Chrysene
Concen: 6.961 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion:228 Resp: 103153
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.8 15.8 23.6

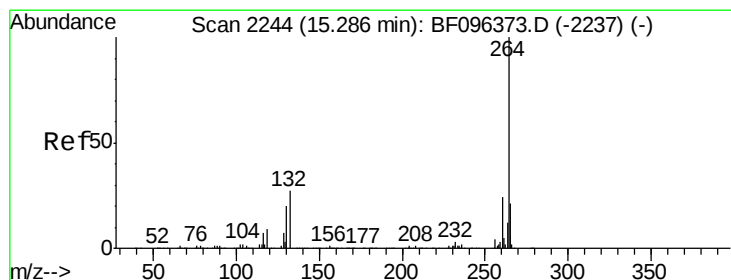
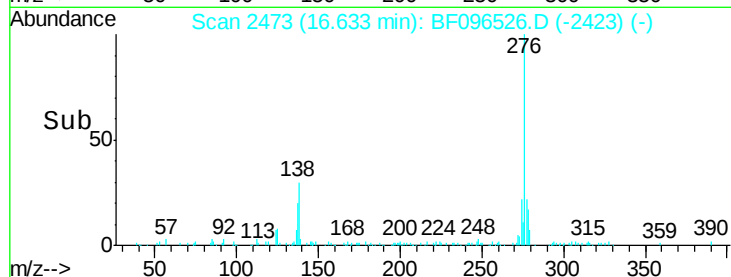
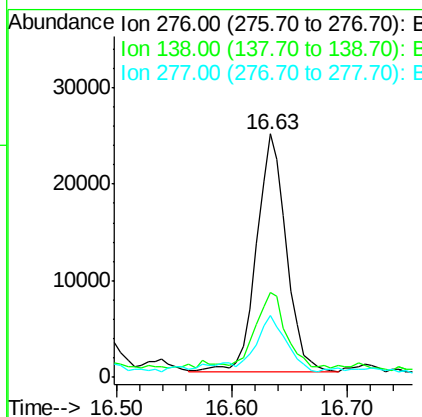
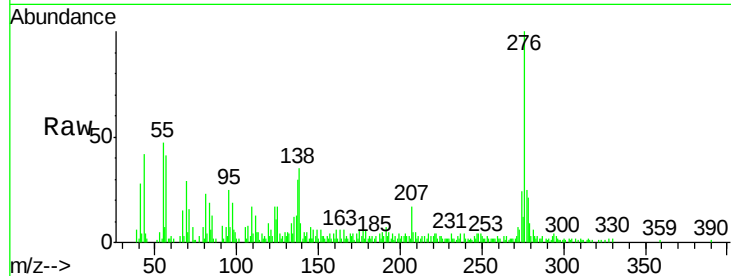




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.781 ng
 RT: 16.63 min Scan# 2473
 Delta R.T. -0.01 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

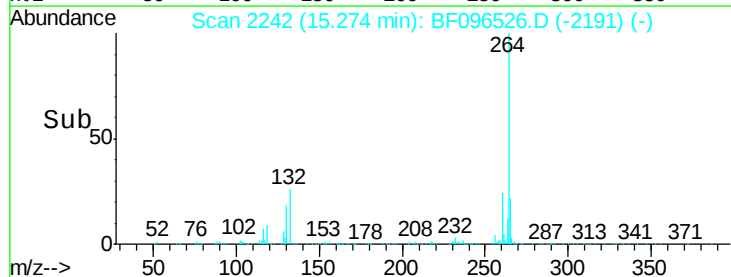
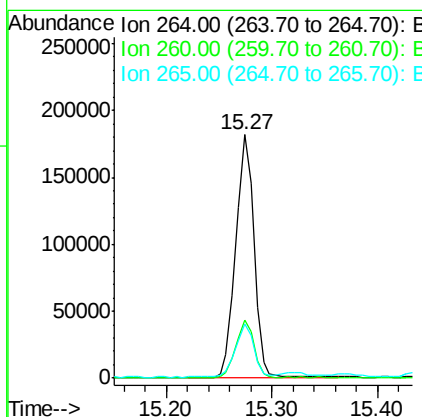
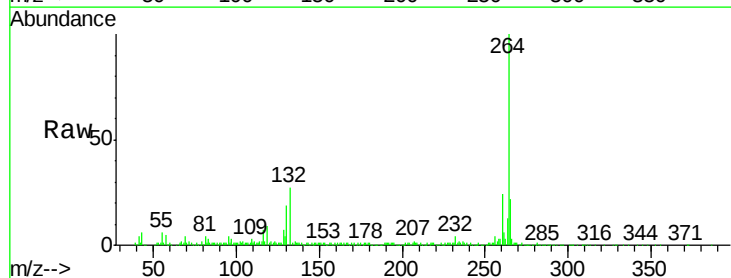
Instrument :
 BNA_F
 ClientSampleId :
 HR-03-070317-B

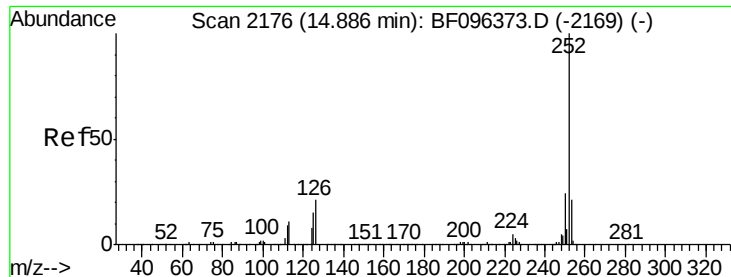
Tgt Ion:276 Resp: 44229
 Ion Ratio Lower Upper
 276 100
 138 30.6 27.8 41.6
 277 27.2 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF096526.D
 Acq: 6 Jul 2017 12:04

Tgt Ion:264 Resp: 219435
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.2 17.2 25.8

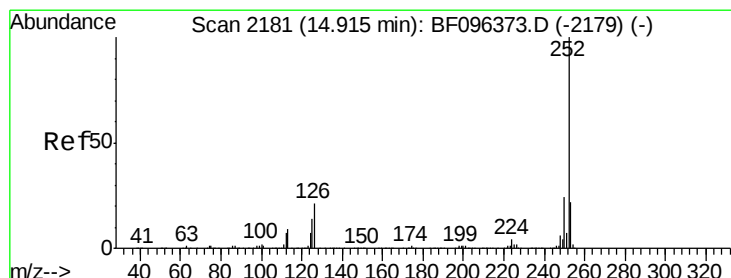
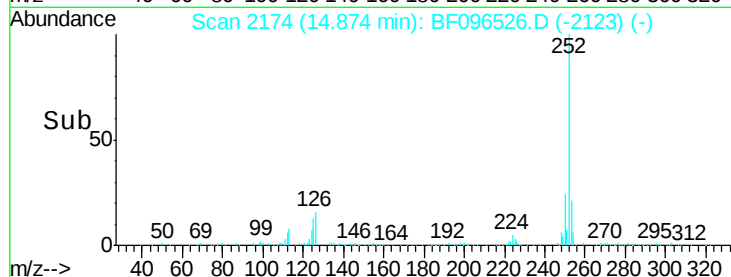
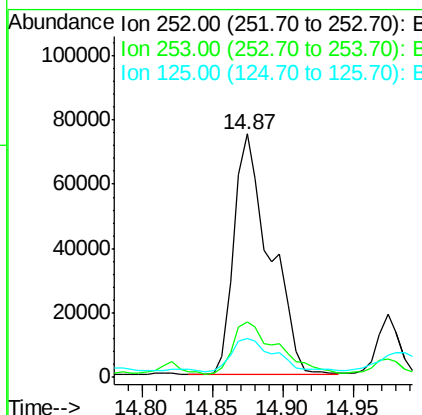
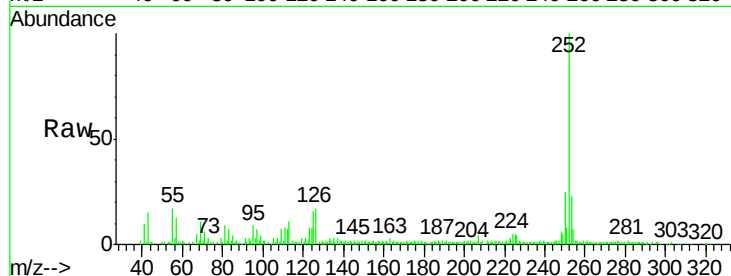




#87
Benzo(b)fluoranthene
Concen: 9.685 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

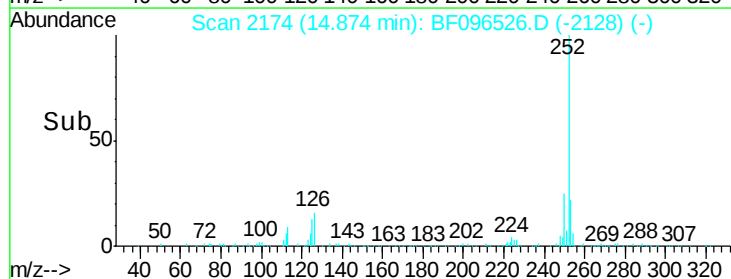
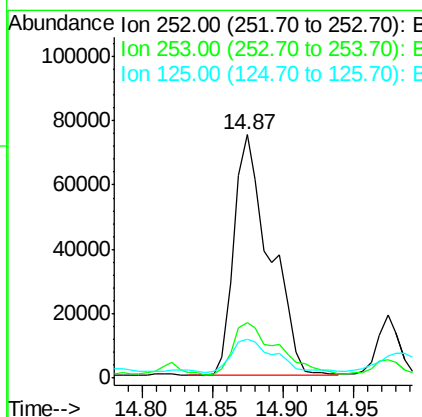
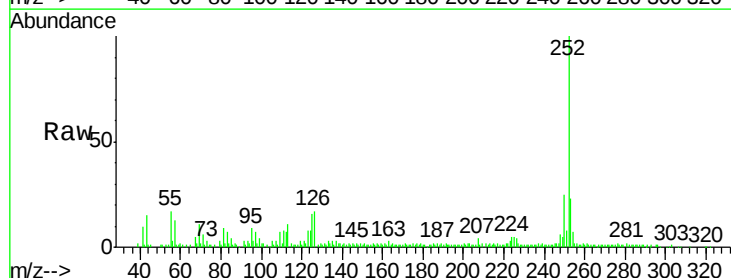
Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

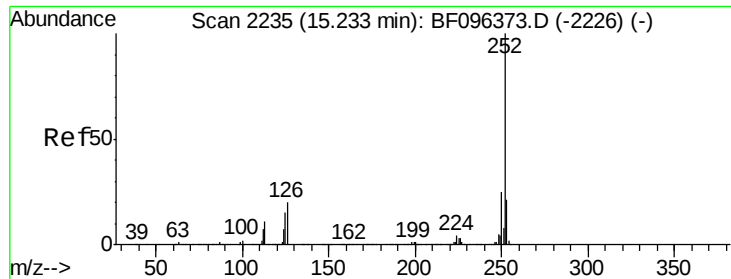
Tgt Ion:252 Resp: 133171
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 15.9 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 10.828 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion:252 Resp: 133171
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 15.9 13.1 19.7

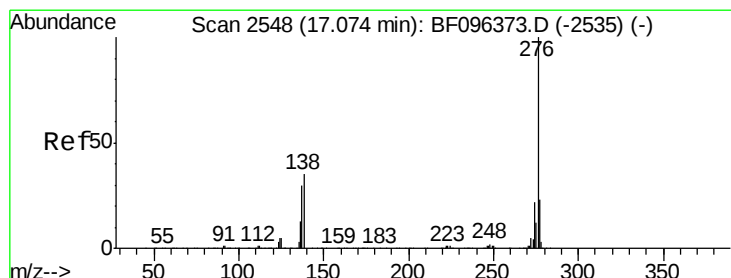
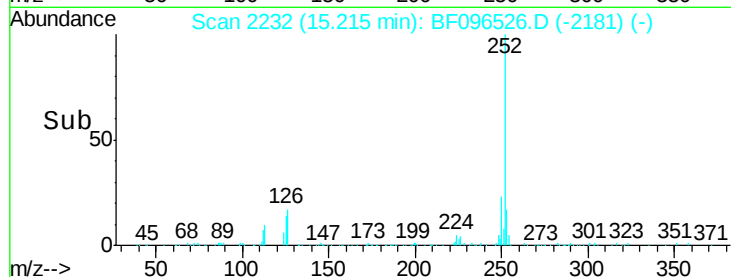
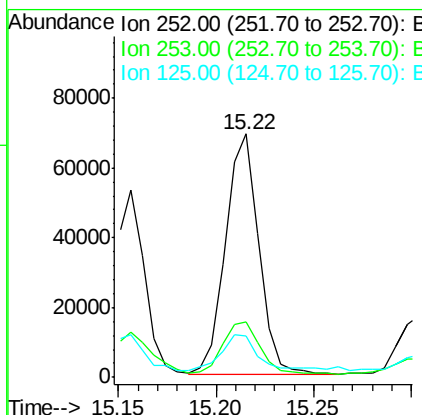
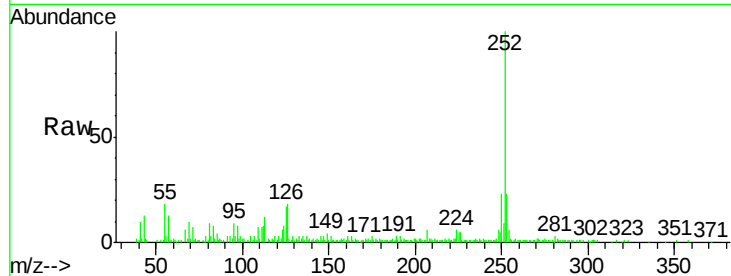




#89
Benzo(a)pyrene
Concen: 6.607 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Instrument :
BNA_F
ClientSampleId :
HR-03-070317-B

Tgt Ion:252 Resp: 81102
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 16.9 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 4.646 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF096526.D
Acq: 6 Jul 2017 12:04

Tgt Ion:276 Resp: 46494
Ion Ratio Lower Upper
276 100
277 28.1 18.6 28.0#
138 34.8 25.4 38.0

