

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062017\
 Data File : BF096050.D
 Acq On : 20 Jun 2017 18:03
 Operator : SJ/MA
 Sample : I3693-10 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-D

Quant Time: Jun 20 18:41:06 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	73880	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	282633	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	112858	20.00	ng	0.00
63) Phenanthrene-d10	14.53	188	172963	20.00	ng	0.00
75) Chrysene-d12	18.27	240	148265	20.00	ng	0.00
86) Perylene-d12	19.94	264	108278	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.22	112	73883	15.94	ng	0.04
7) Phenol-d6	6.90	99	87618	15.79	ng	0.03
23) Nitrobenzene-d5	8.23	82	57724	12.68	ng	0.00
41) 2,4,6-Tribromophenol	13.46	330	10489	10.50	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	127188	15.68	ng	0.00
78) Terphenyl-d14	16.92	244	84720	14.18	ng	-0.01

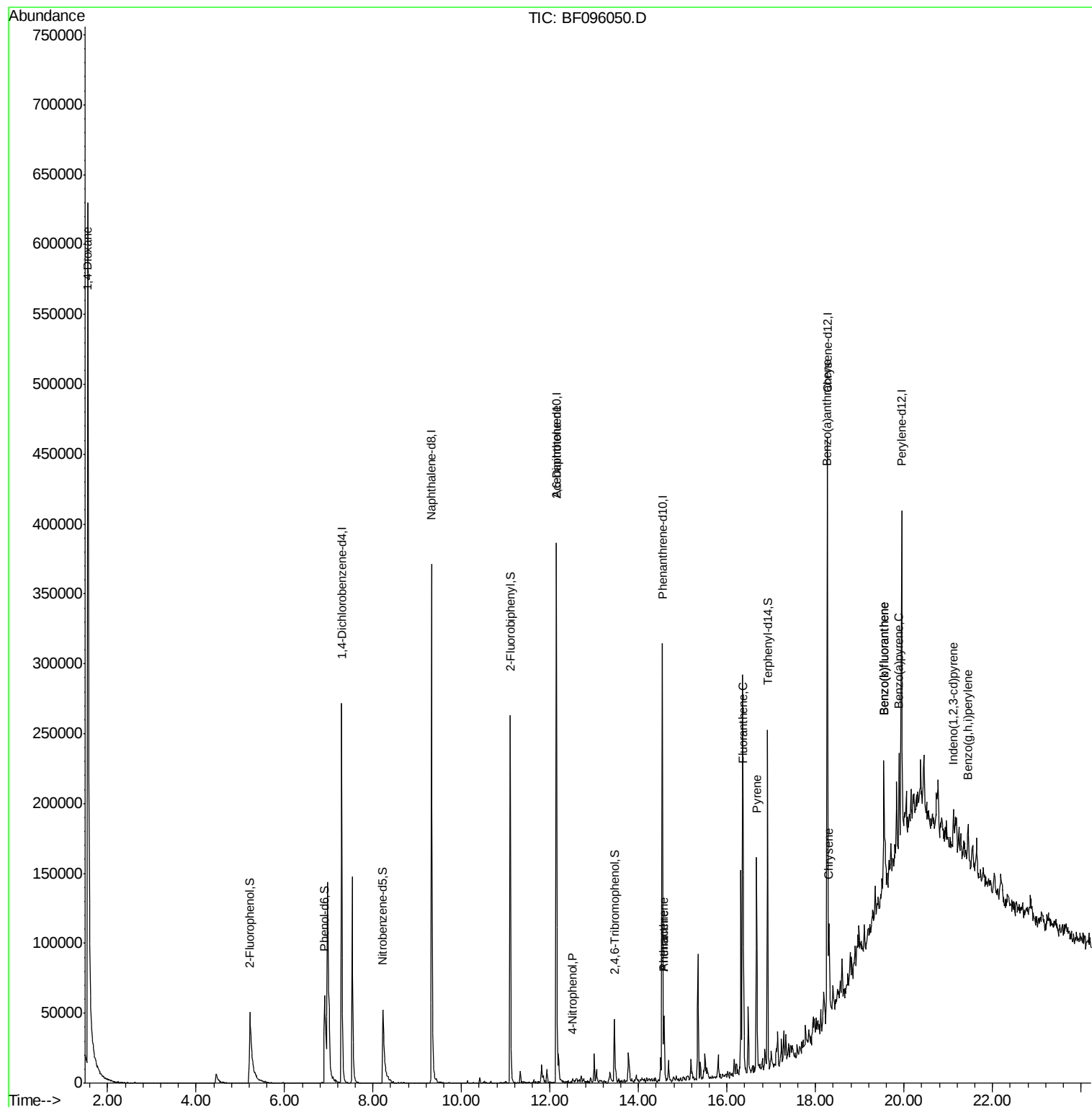
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.55	88	28647	12.988	ng	# 23
50) 2,6-Dinitrotoluene	12.14	165	14419	7.715	ng	# 31
55) 4-Nitrophenol	12.51	139	707	5.151	ng	# 25
70) Phenanthrene	14.58	178	33411	3.348	ng	95
71) Anthracene	14.58	178	33411	3.207	ng	96
74) Fluoranthene	16.37	202	72481	7.338	ng	97
77) Pyrene	16.67	202	70110	6.337	ng	97
80) Benzo(a)anthracene	18.26	228	39215	4.549	ng	97
82) Chrysene	18.30	228	35398	4.109	ng	98
85) Indeno(1,2,3-cd)pyrene	21.11	276	17849	2.422	ng	98
87) Benzo(b)fluoranthene	19.54	252	44485	6.561	ng	# 95
88) Benzo(k)fluoranthene	19.54	252	44485	6.864	ng	99
89) Benzo(a)pyrene	19.89	252	30006	4.815	ng	# 89
91) Benzo(g,h,i)perylene	21.45	276	17957	3.332	ng	93

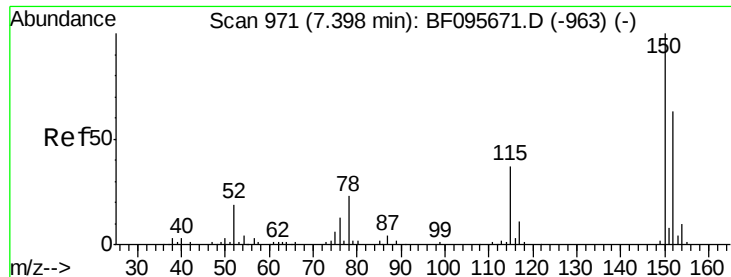
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\Data\BF062017\
Data File : BF096050.D
Acq On : 20 Jun 2017 18:03
Operator : SJ/MA
Sample : I3693-10 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-D

Quant Time: Jun 20 18:41:06 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 16:05:47 2017
Response via : Initial Calibration



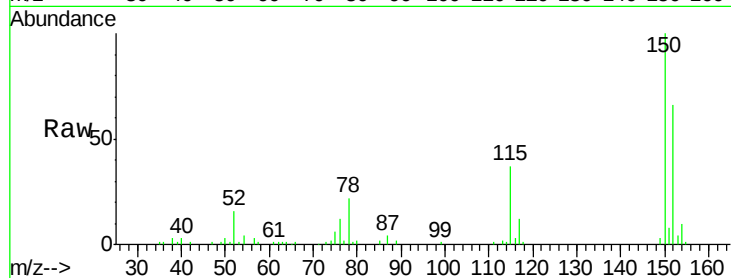


#1

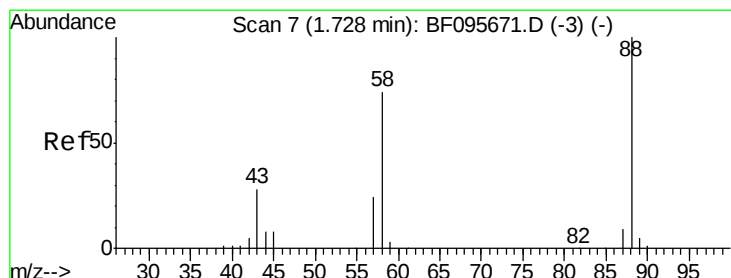
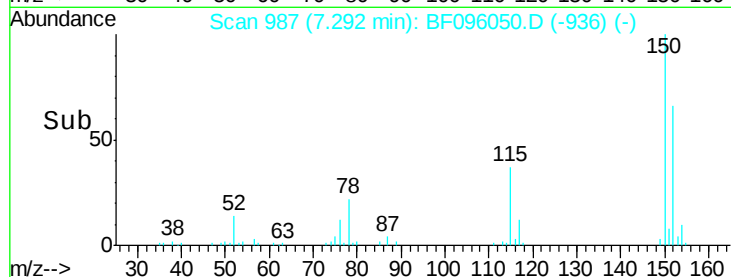
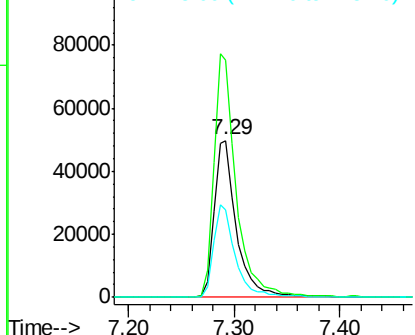
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096050.D
Acq: 20 Jun 2017 18:03

Instrument :
BNA_F
ClientSampleId :
PL-01-061417-D

Tgt Ion:152 Resp: 73880
Ion Ratio Lower Upper
152 100
150 151.0 126.2 189.2
115 55.3 52.2 78.2



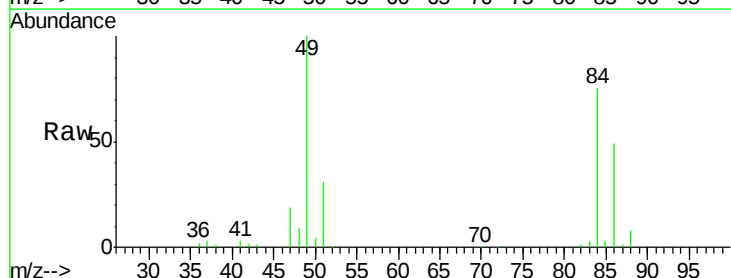
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



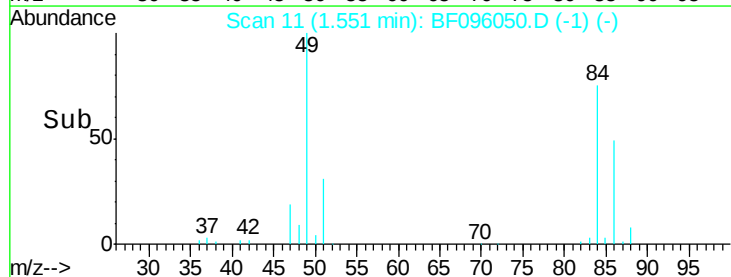
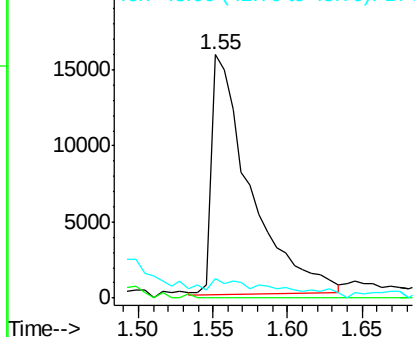
#2

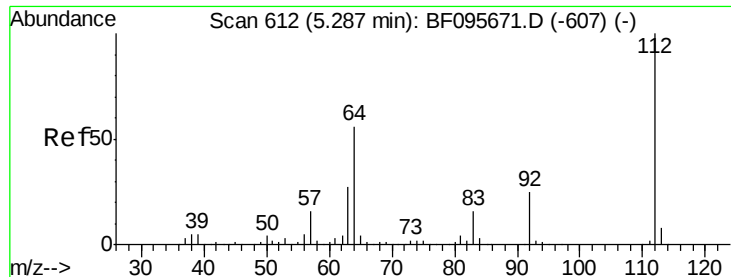
1,4-Dioxane
Concen: 12.988 ng
RT: 1.55 min Scan# 11
Delta R.T. -0.06 min
Lab File: BF096050.D
Acq: 20 Jun 2017 18:03

Tgt Ion: 88 Resp: 28647
Ion Ratio Lower Upper
88 100
58 0.4 61.4 92.0#
43 4.6 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 15.935 ng

RT: 5.22 min Scan# 635

Delta R.T. 0.04 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-D

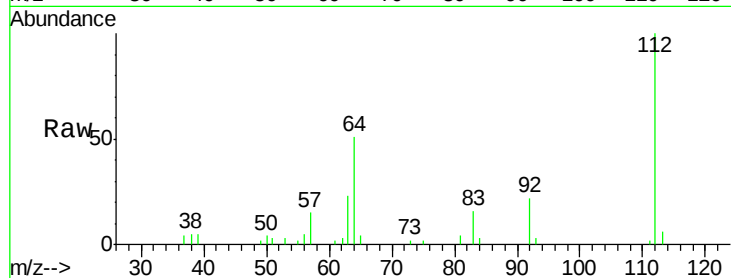
Tgt Ion: 112 Resp: 73883

Ion Ratio Lower Upper

112 100

64 51.2 46.0 69.0

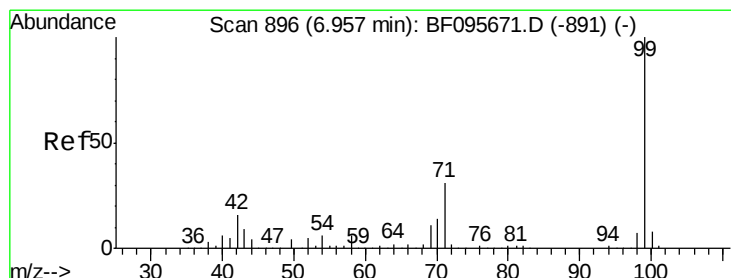
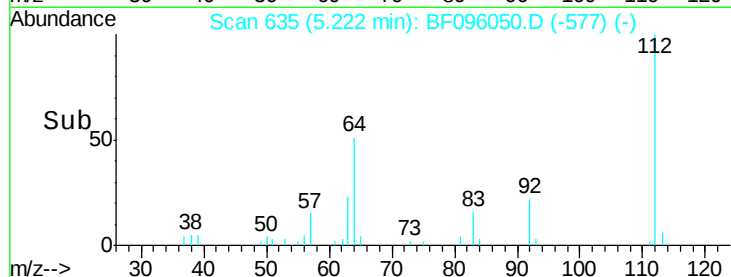
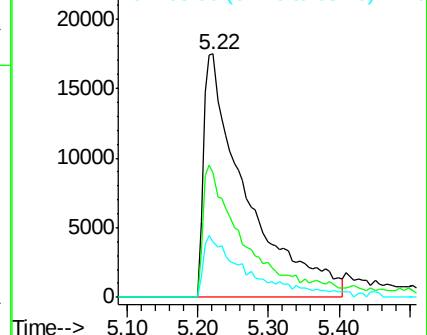
63 22.7 23.4 35.0#



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: 15.785 ng

RT: 6.90 min Scan# 921

Delta R.T. 0.03 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

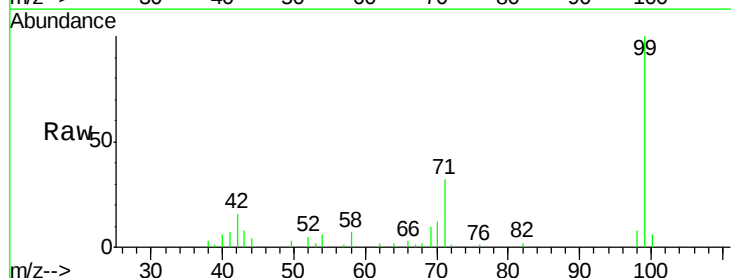
Tgt Ion: 99 Resp: 87618

Ion Ratio Lower Upper

99 100

42 16.4 13.5 20.3

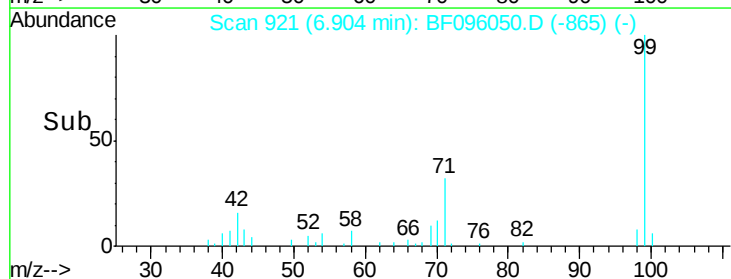
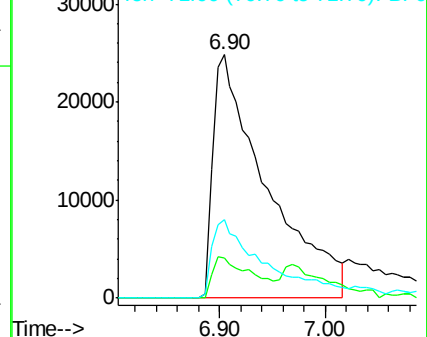
71 32.1 24.5 36.7

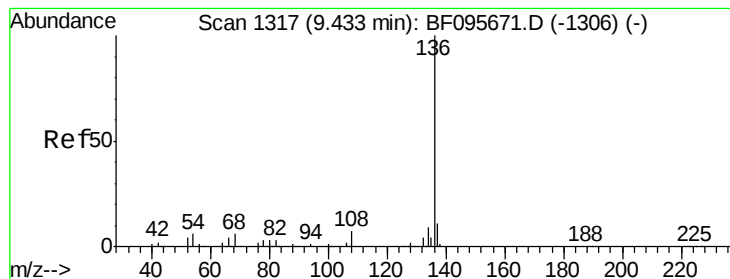


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-D

Tgt Ion:136 Resp: 282633

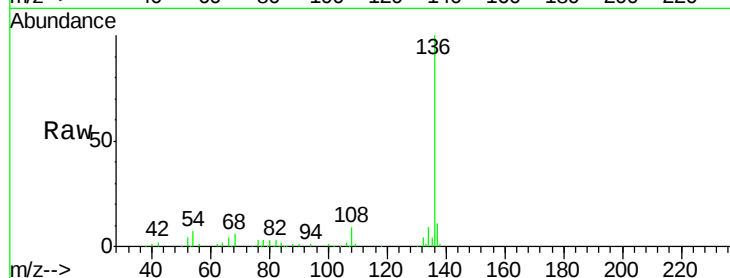
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.0 4.9 7.3

68 5.7 4.1 6.1

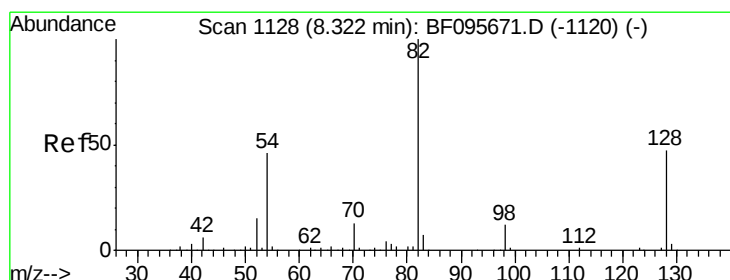
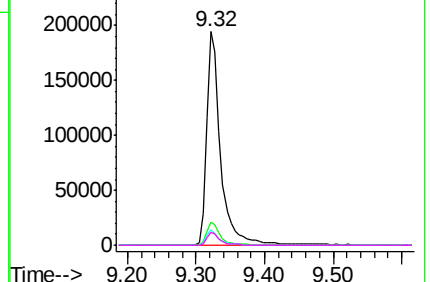
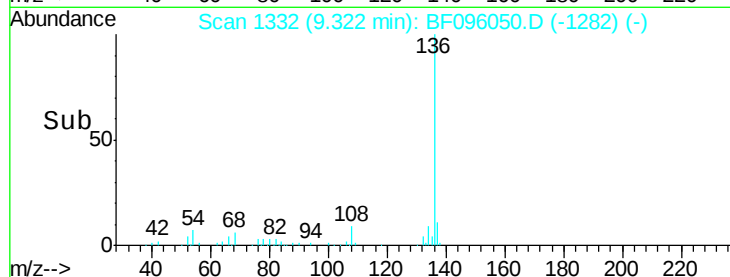


Abundance Ion 136.00 (135.70 to 136.70): E

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: 12.684 ng

RT: 8.23 min Scan# 1146

Delta R.T. 0.01 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

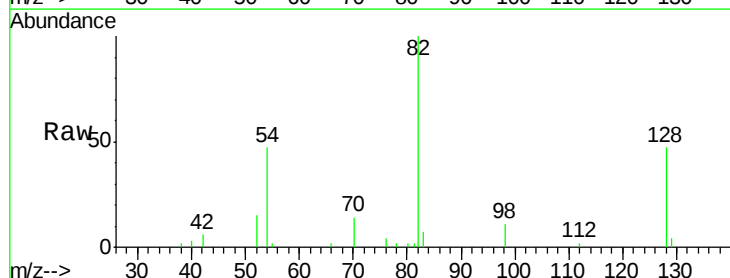
Tgt Ion: 82 Resp: 57724

Ion Ratio Lower Upper

82 100

128 46.9 34.0 51.0

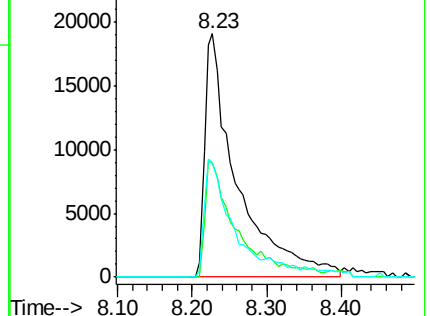
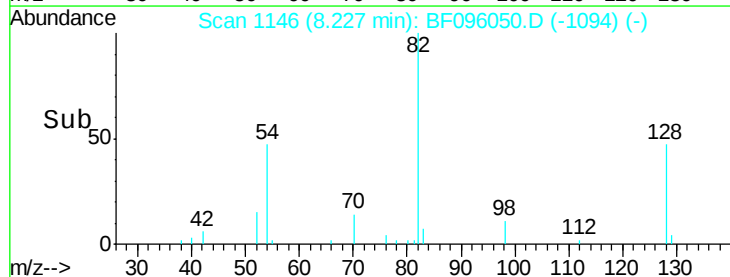
54 47.2 42.2 63.2

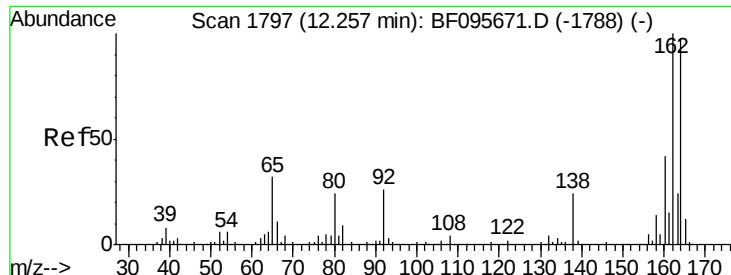


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 12.14 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-D

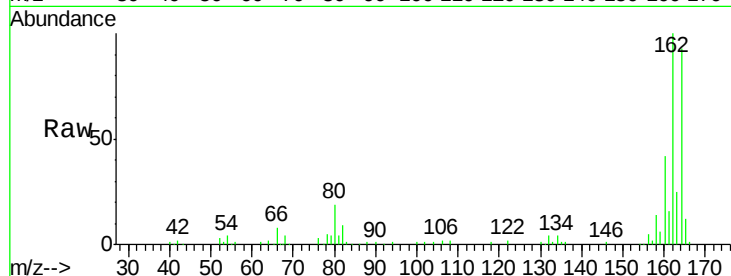
Tgt Ion:164 Resp: 112858

Ion Ratio Lower Upper

164 100

162 107.4 82.6 123.8

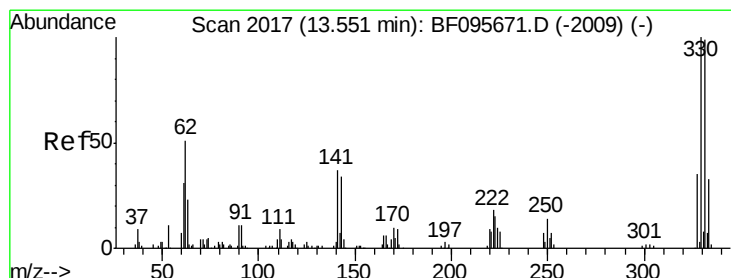
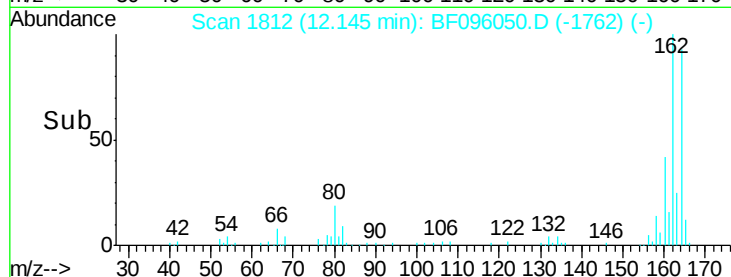
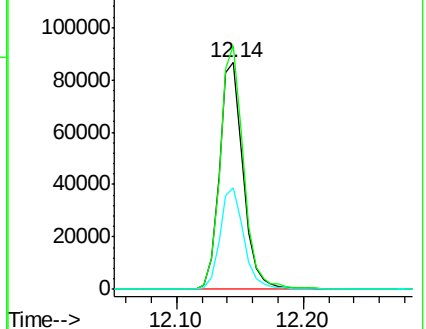
160 45.0 36.2 54.2



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: 10.504 ng

RT: 13.46 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

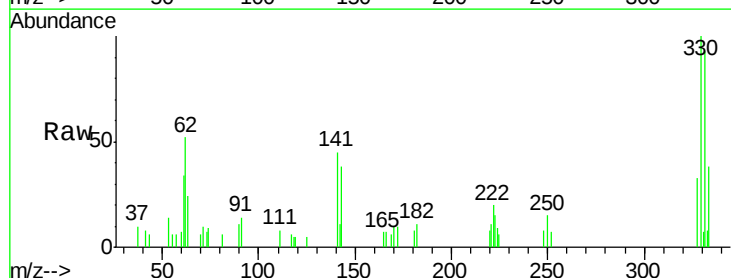
Tgt Ion:330 Resp: 10489

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

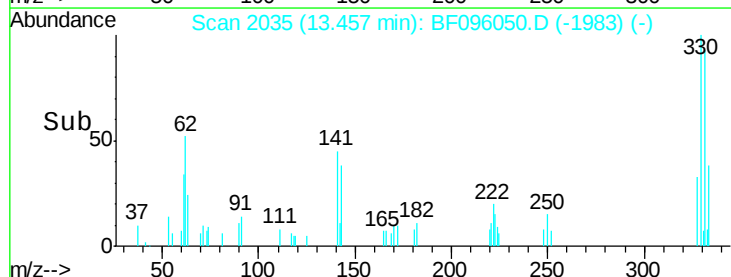
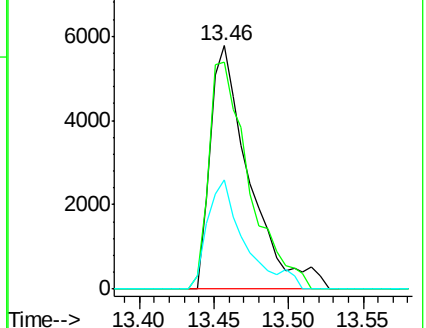
141 43.0 31.4 47.2

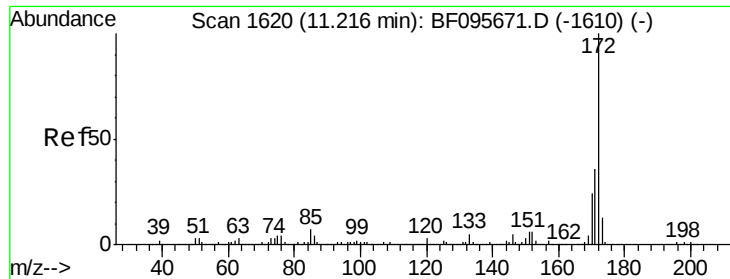


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

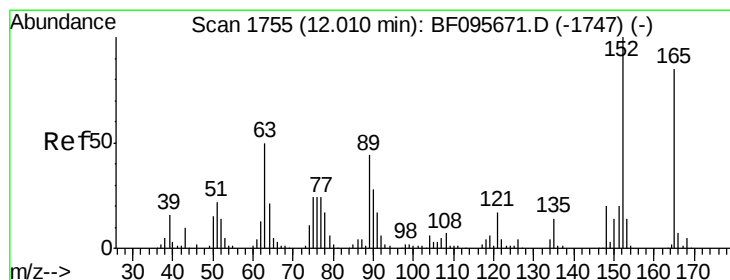
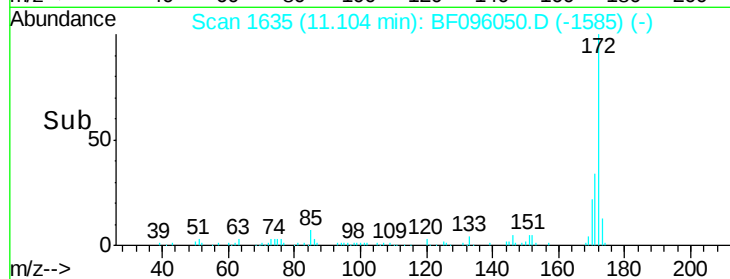
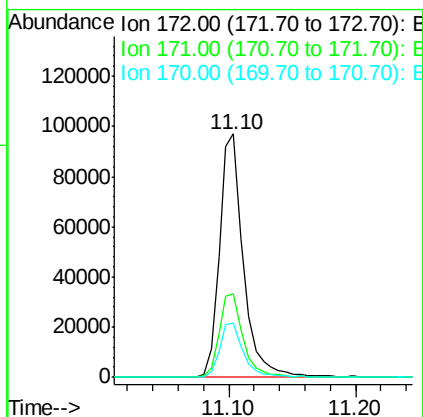
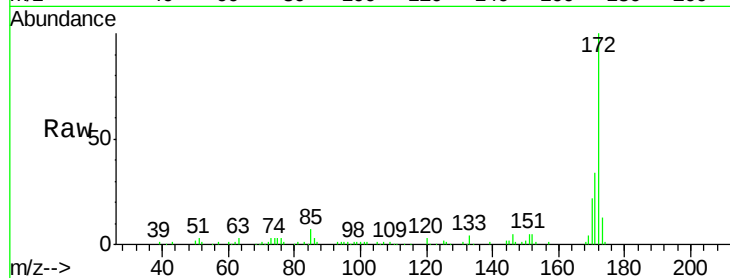




#44
 2-Fluorobiphenyl
 Concen: 15.683 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096050.D
 Acq: 20 Jun 2017 18:03

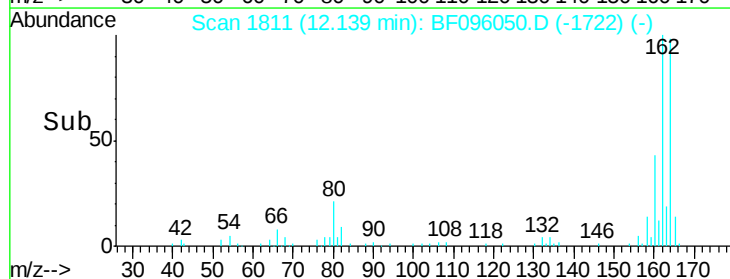
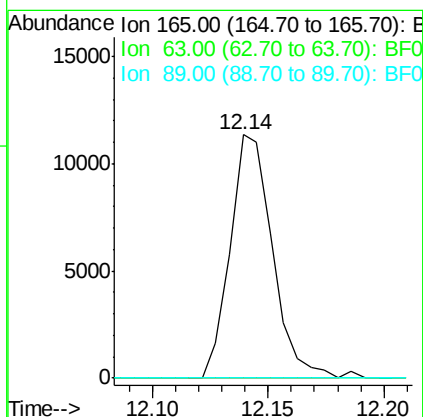
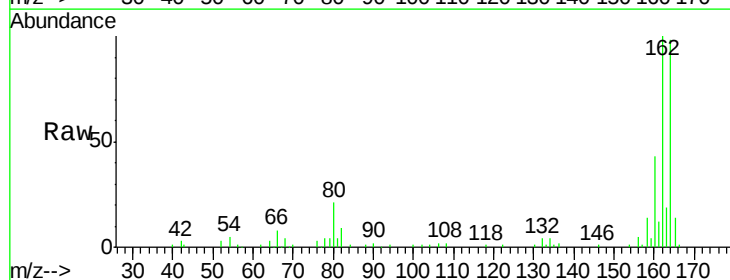
Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-D

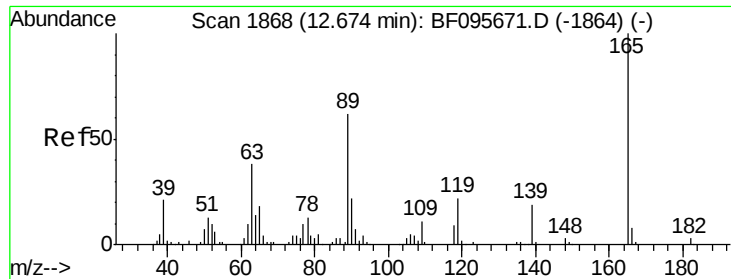
Tgt Ion:172 Resp: 127188
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.6 44.4
 170 22.1 19.8 29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.715 ng
 RT: 12.14 min Scan# 1811
 Delta R.T. 0.22 min
 Lab File: BF096050.D
 Acq: 20 Jun 2017 18:03

Tgt Ion:165 Resp: 14419
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 0.0 37.1 55.7#

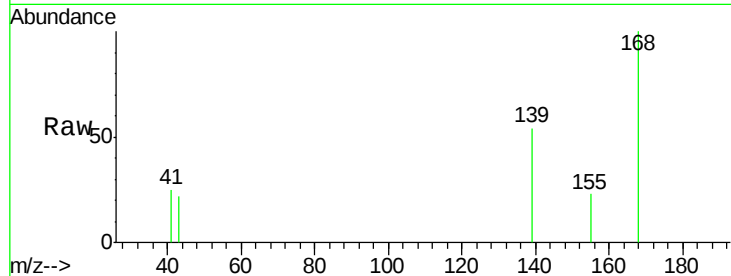




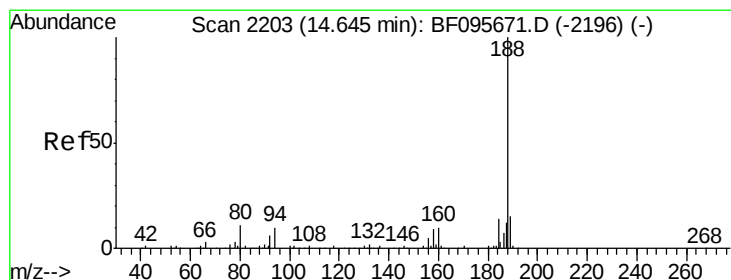
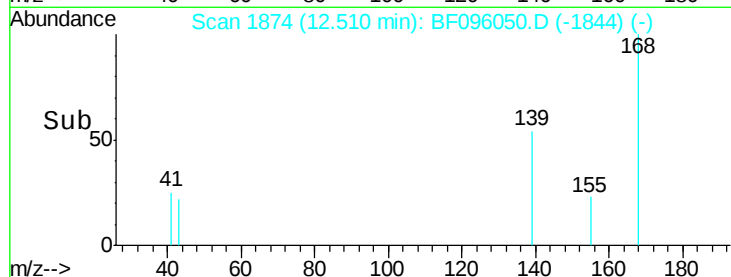
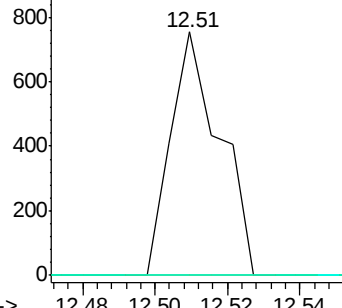
#55
 4-Nitrophenol
 Concen: 5.151 ng
 RT: 12.51 min Scan# 1874
 Delta R.T. -0.12 min
 Lab File: BF096050.D
 Acq: 20 Jun 2017 18:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-D

Tgt Ion:139 Resp: 707
 Ion Ratio Lower Upper
 139 100
 109 0.0 34.1 74.1#
 65 0.0 31.4 71.4#

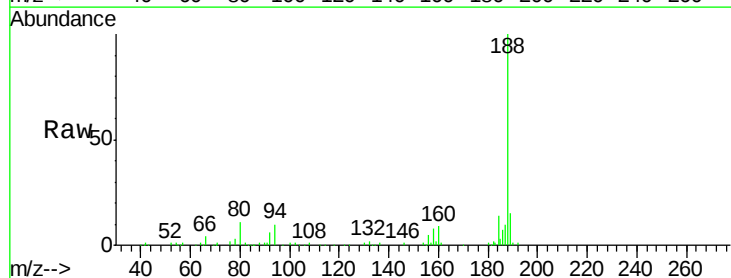


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF0

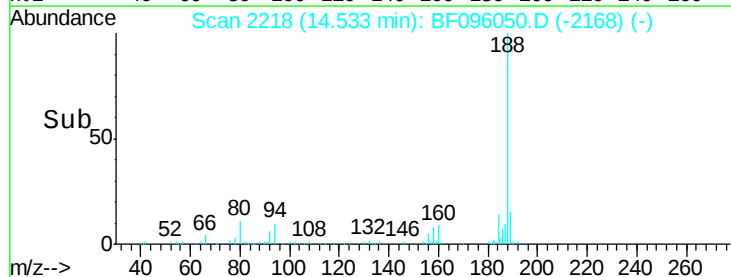
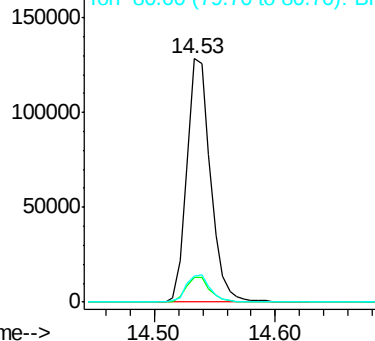


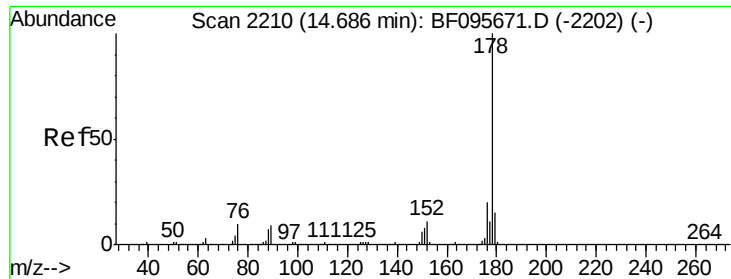
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 14.53 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BF096050.D
 Acq: 20 Jun 2017 18:03

Tgt Ion:188 Resp: 172963
 Ion Ratio Lower Upper
 188 100
 94 10.2 9.4 14.2
 80 10.6 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: 3.348 ng

RT: 14.58 min Scan# 2226

Delta R.T. 0.00 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-D

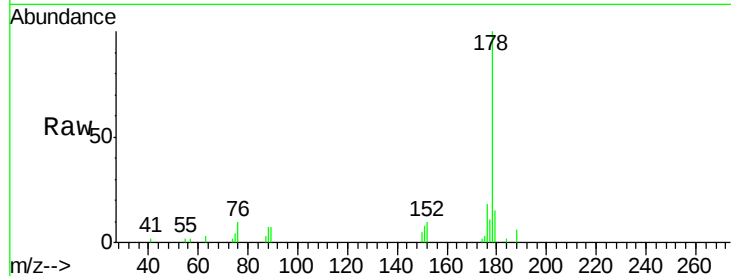
Tgt Ion:178 Resp: 33411

Ion Ratio Lower Upper

178 100

176 17.5 16.2 24.4

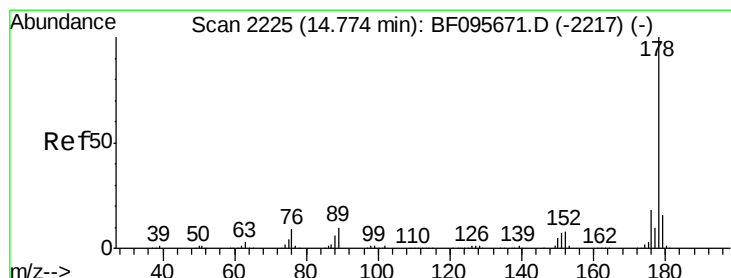
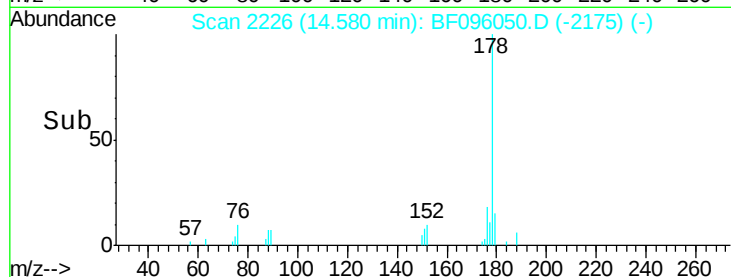
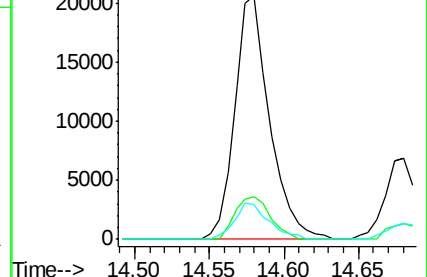
179 14.6 12.6 19.0



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



#71

Anthracene

Concen: 3.207 ng

RT: 14.58 min Scan# 2226

Delta R.T. -0.09 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

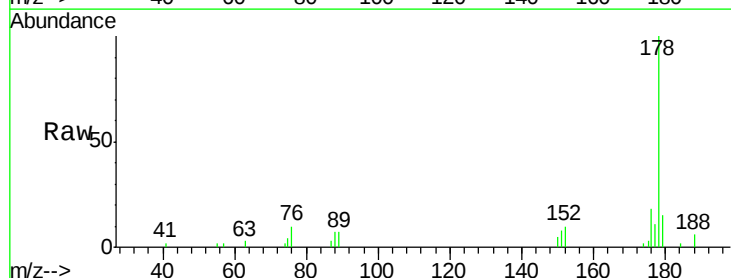
Tgt Ion:178 Resp: 33411

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

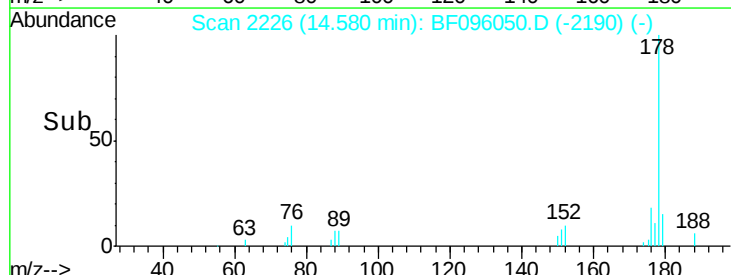
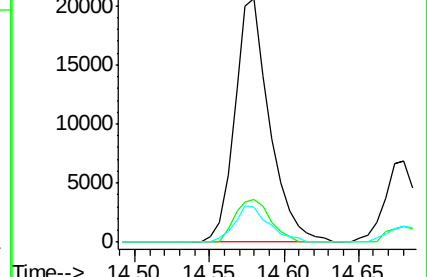
179 14.6 12.7 19.1

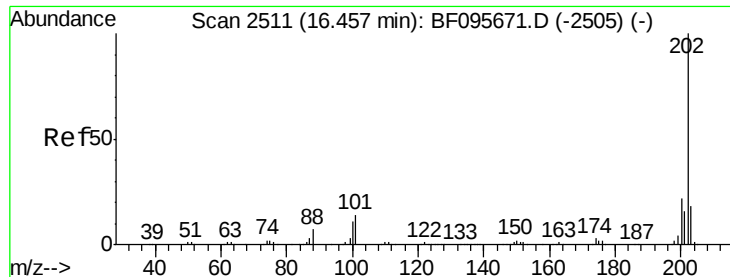


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

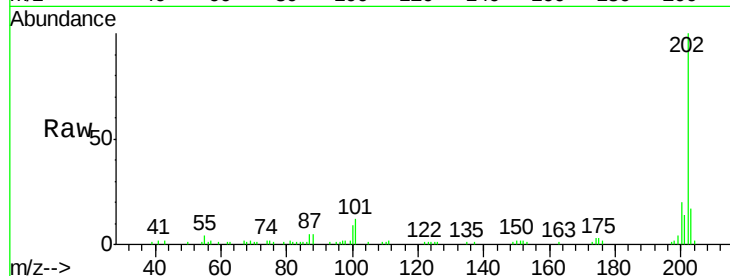




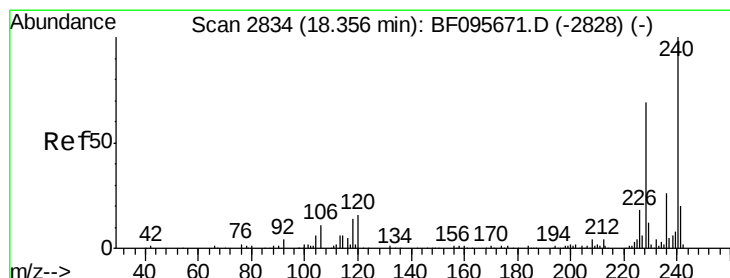
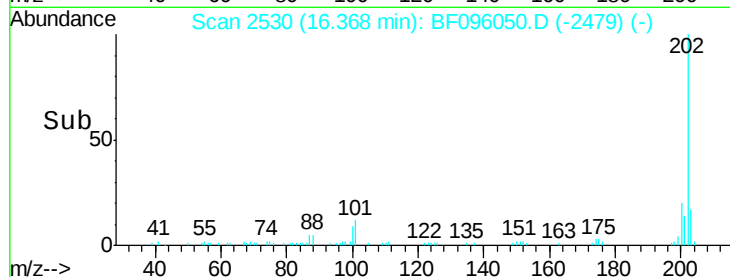
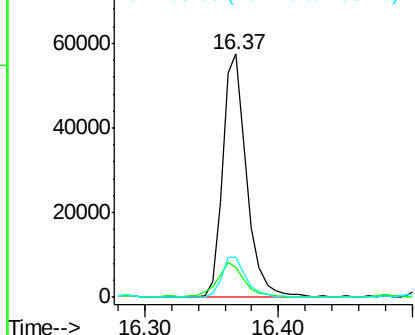
#74
 Fluoranthene
 Concen: 7.338 ng
 RT: 16.37 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: BF096050.D
 Acq: 20 Jun 2017 18:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-D

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	16.6	0.0	38.1

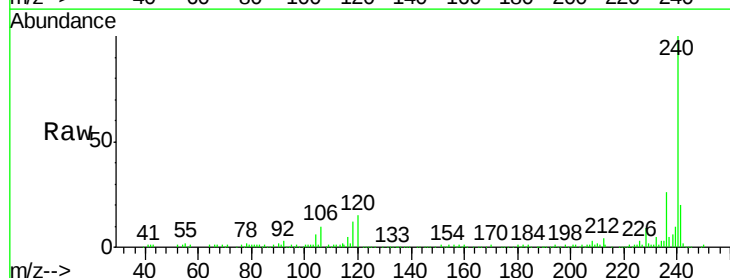


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

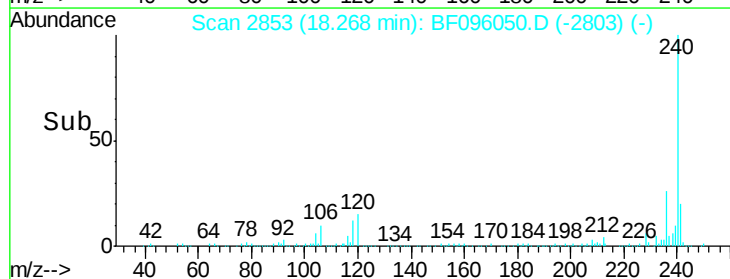
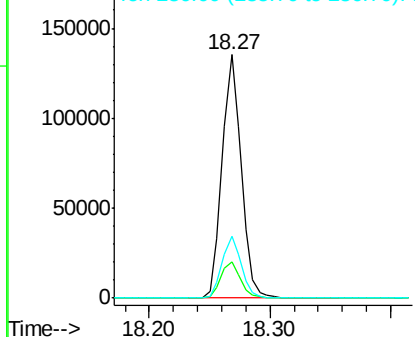


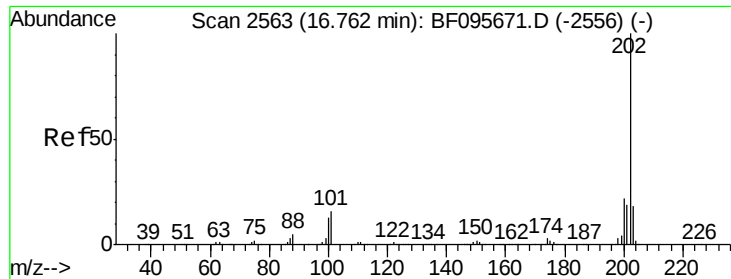
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.27 min Scan# 2853
 Delta R.T. -0.01 min
 Lab File: BF096050.D
 Acq: 20 Jun 2017 18:03

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	25.6	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: 6.337 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-D

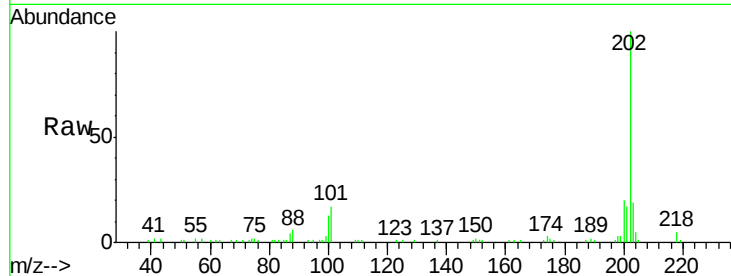
Tgt Ion:202 Resp: 70110

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

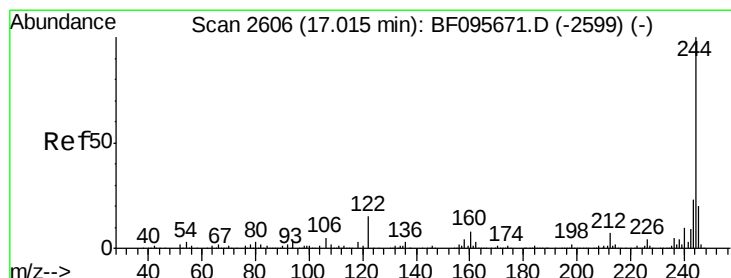
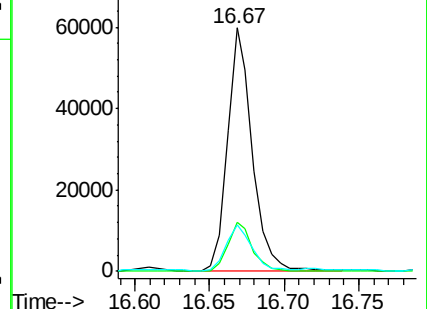
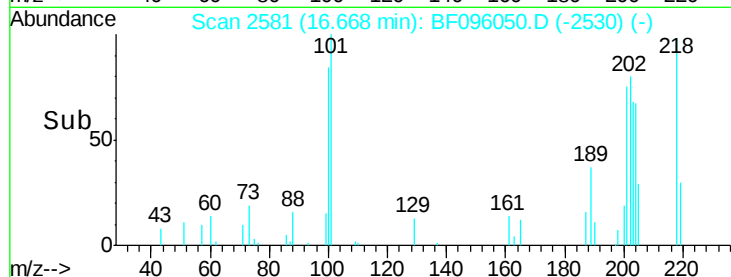
203 19.3 14.4 21.6



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: 14.181 ng

RT: 16.92 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

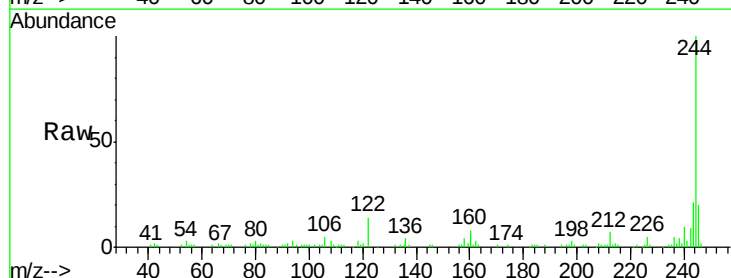
Tgt Ion:244 Resp: 84720

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

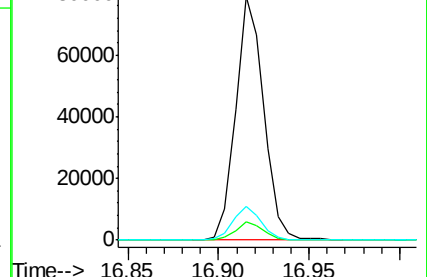
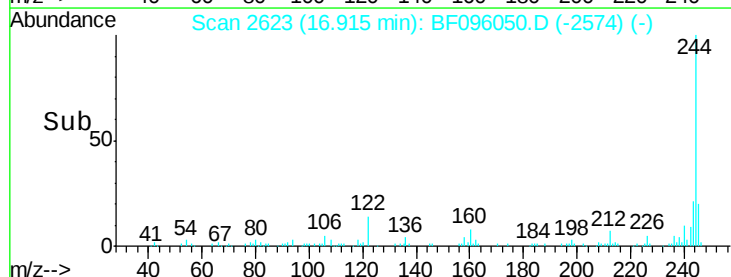
122 14.1 10.3 15.5

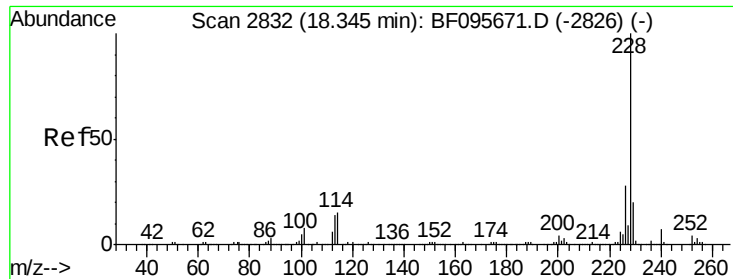


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

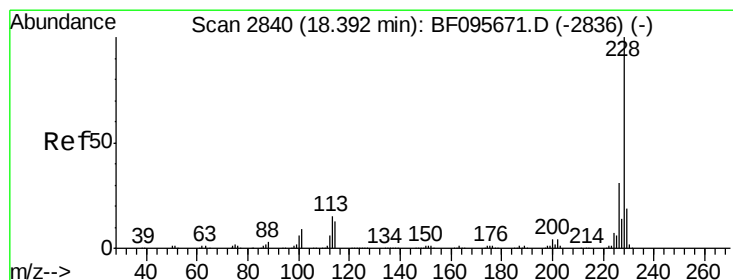
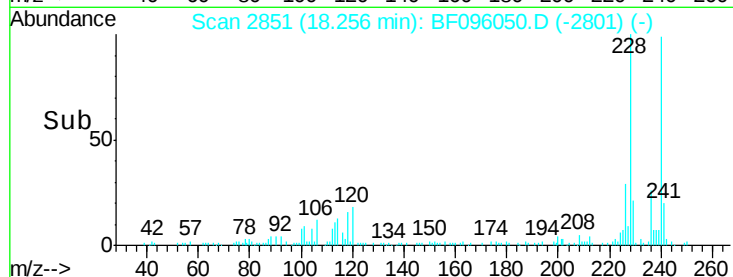
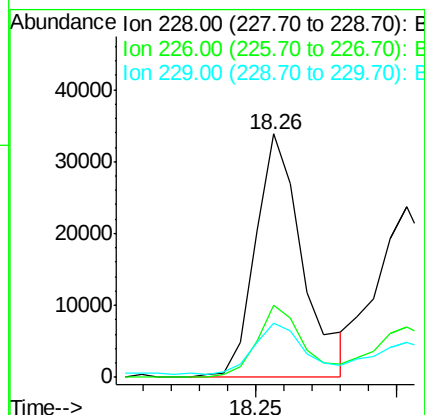
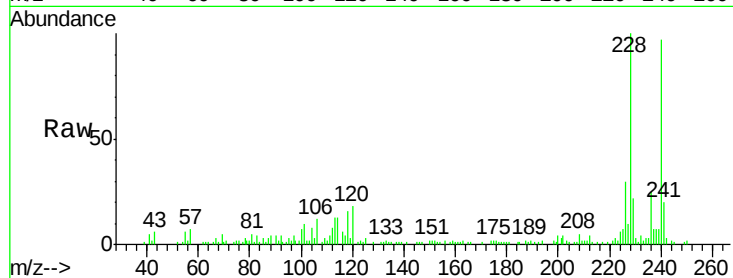




#80
Benzo(a)anthracene
Concen: 4.549 ng
RT: 18.26 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF096050.D
Acq: 20 Jun 2017 18:03

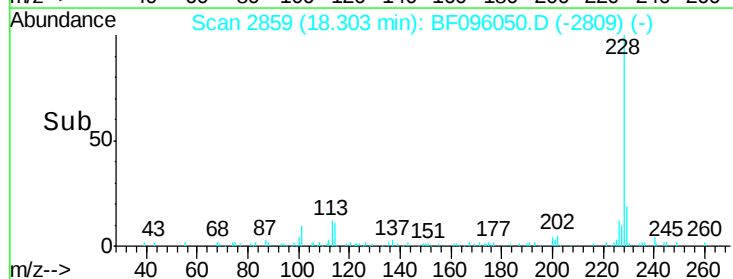
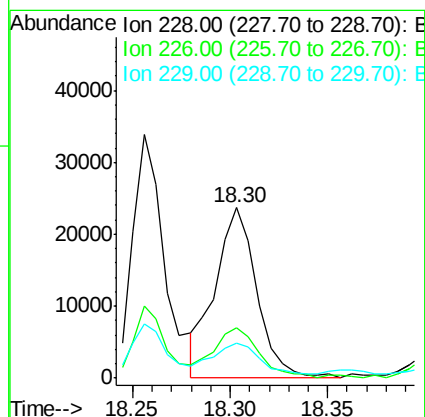
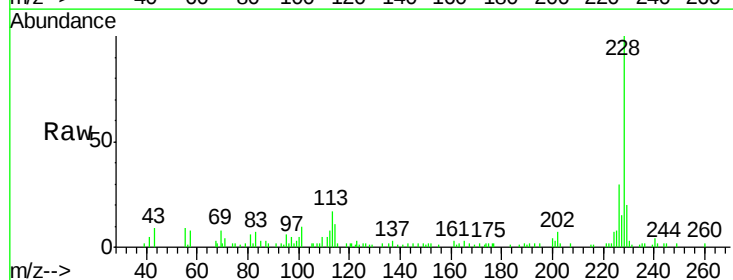
Instrument :
BNA_F
ClientSampleId :
PL-01-061417-D

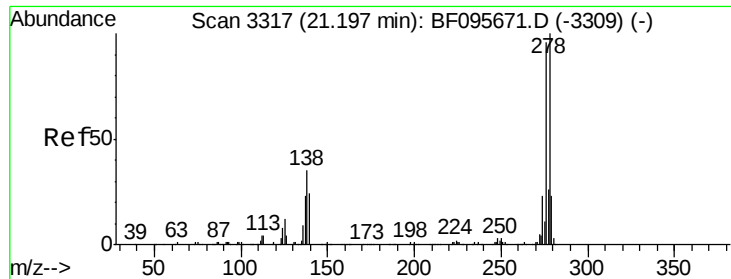
Tgt Ion:228 Resp: 39215
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 22.5 16.3 24.5



#82
Chrysene
Concen: 4.109 ng
RT: 18.30 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BF096050.D
Acq: 20 Jun 2017 18:03

Tgt Ion:228 Resp: 35398
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 20.4 15.8 23.6

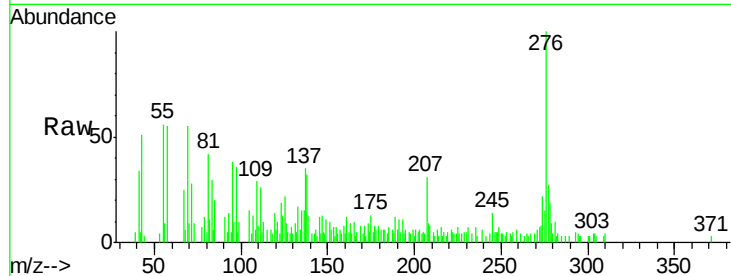




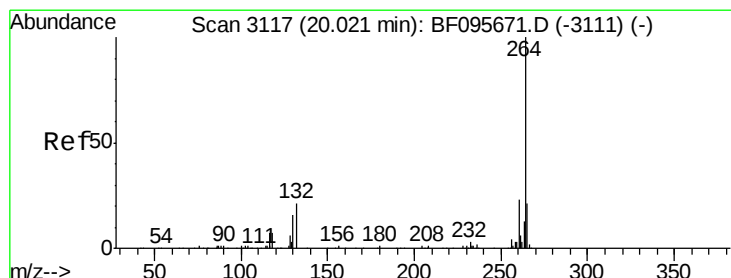
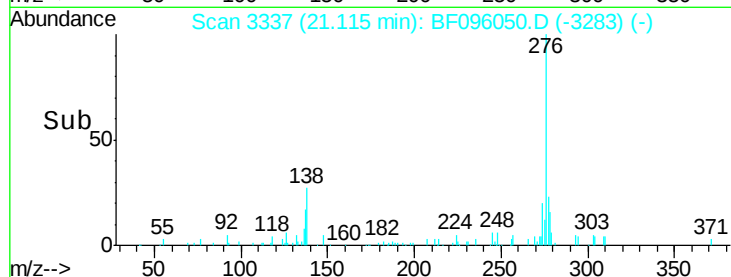
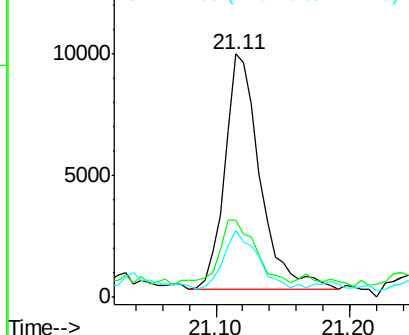
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.422 ng
 RT: 21.11 min Scan# 3337
 Delta R.T. 0.02 min
 Lab File: BF096050.D
 Acq: 20 Jun 2017 18:03

Instrument :
 BNA_F
 ClientSampleId :
 PL-01-061417-D

Tgt Ion: 276 Resp: 17849
 Ion Ratio Lower Upper
 276 100
 138 33.5 27.8 41.6
 277 24.2 20.2 30.4

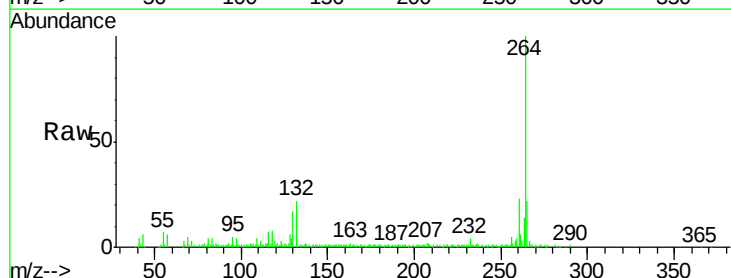


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

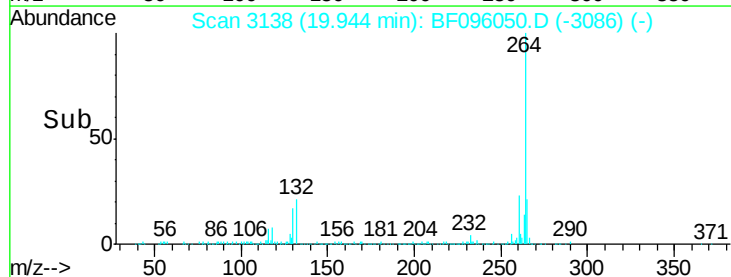
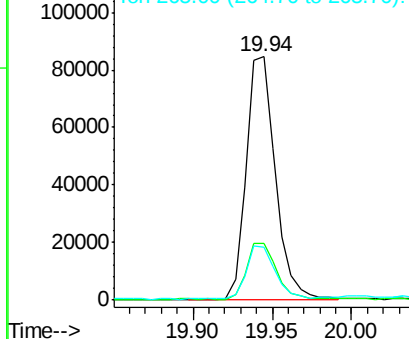


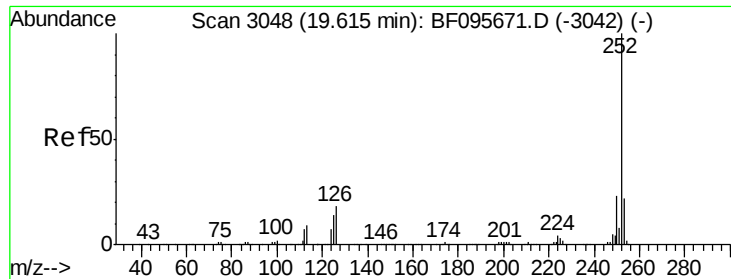
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 19.94 min Scan# 3138
 Delta R.T. 0.01 min
 Lab File: BF096050.D
 Acq: 20 Jun 2017 18:03

Tgt Ion: 264 Resp: 108278
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 21.6 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

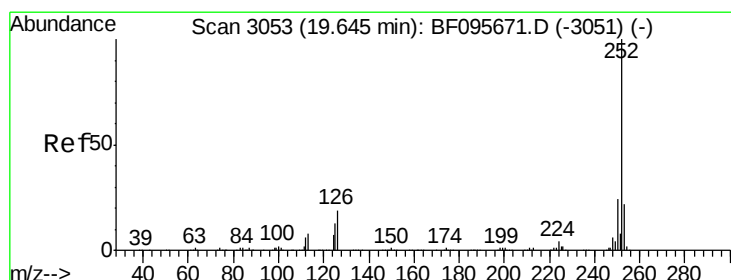
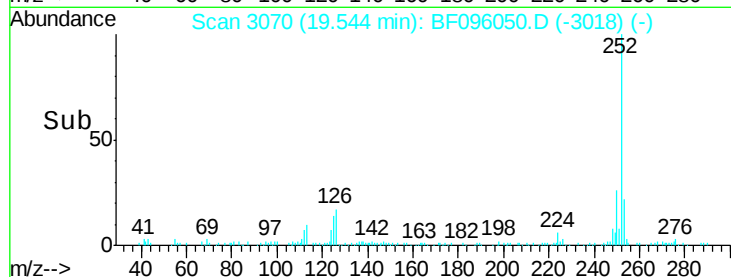
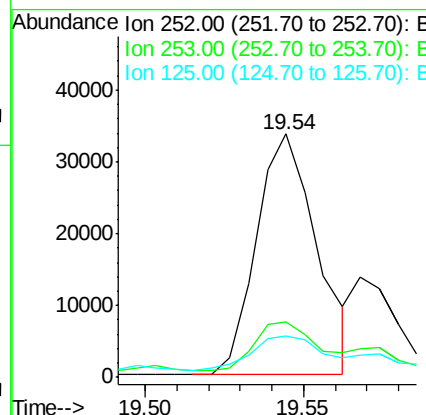
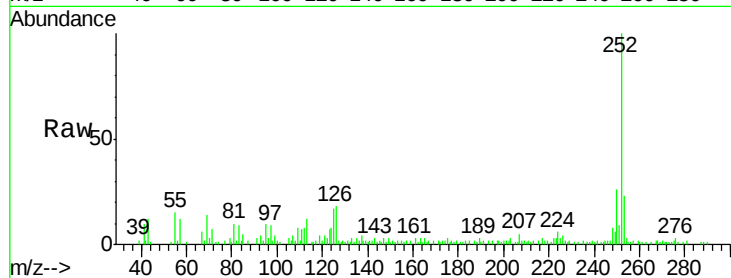




#87
Benzo(b)fluoranthene
Concen: 6.561 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096050.D
Acq: 20 Jun 2017 18:03

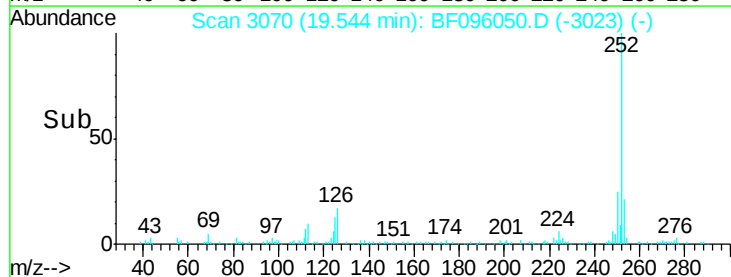
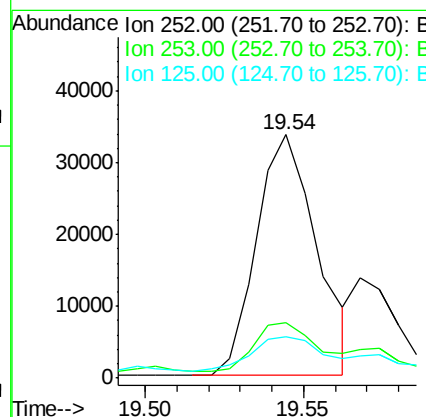
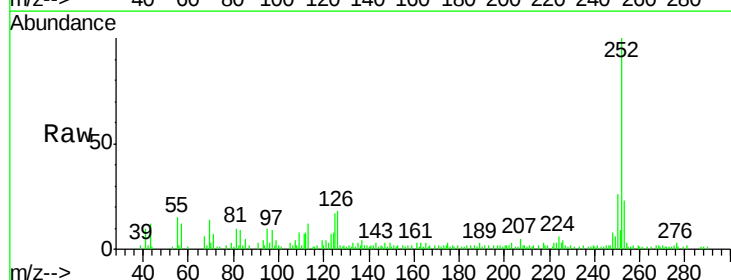
Instrument :
BNA_F
ClientSampleId :
PL-01-061417-D

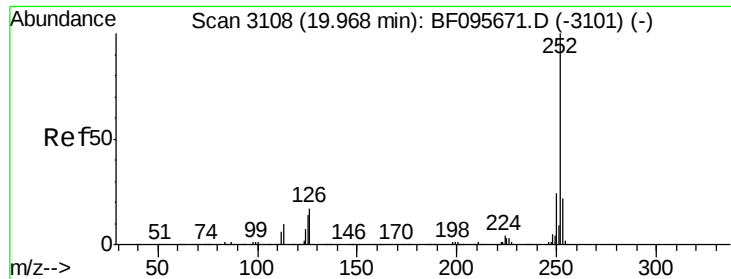
Tgt Ion:252 Resp: 44485
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 16.9 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 6.864 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096050.D
Acq: 20 Jun 2017 18:03

Tgt Ion:252 Resp: 44485
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 16.9 13.1 19.7





#89

Benzo(a)pyrene

Concen: 4.815 ng

RT: 19.89 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

Instrument :

BNA_F

ClientSampleId :

PL-01-061417-D

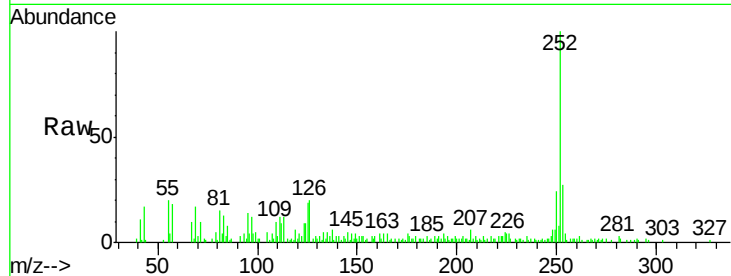
Tgt Ion:252 Resp: 30006

Ion Ratio Lower Upper

252 100

253 26.9 17.5 26.3#

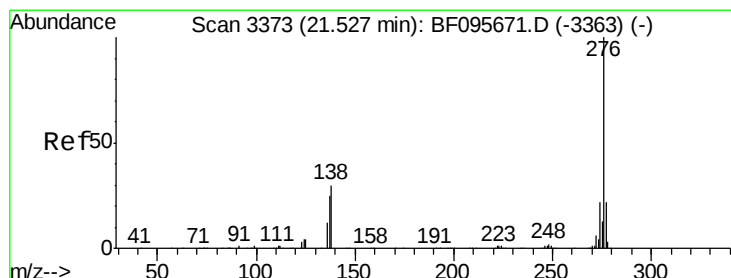
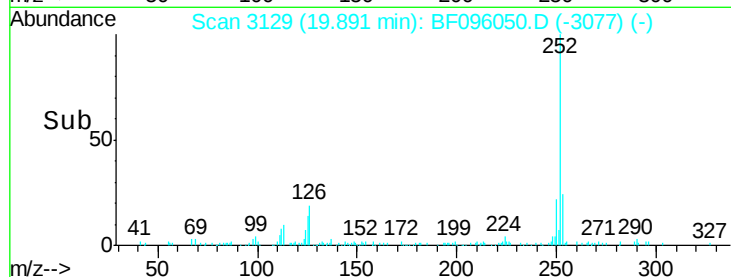
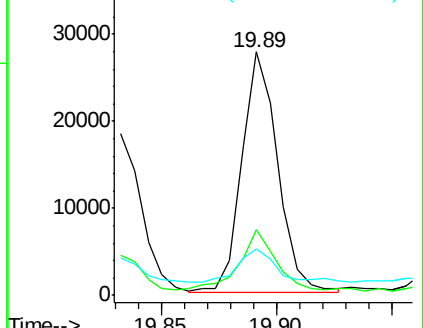
125 18.9 11.0 16.4#



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: 3.332 ng

RT: 21.45 min Scan# 3394

Delta R.T. 0.03 min

Lab File: BF096050.D

Acq: 20 Jun 2017 18:03

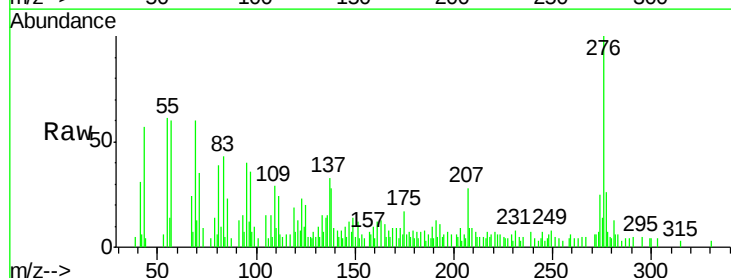
Tgt Ion:276 Resp: 17957

Ion Ratio Lower Upper

276 100

277 26.0 18.6 28.0

138 27.7 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

