

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096501.D
 Acq On : 6 Jul 2017 00:07
 Operator : SJ/MA
 Sample : I3976-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B9-0-2

Quant Time: Jul 06 04:17:21 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

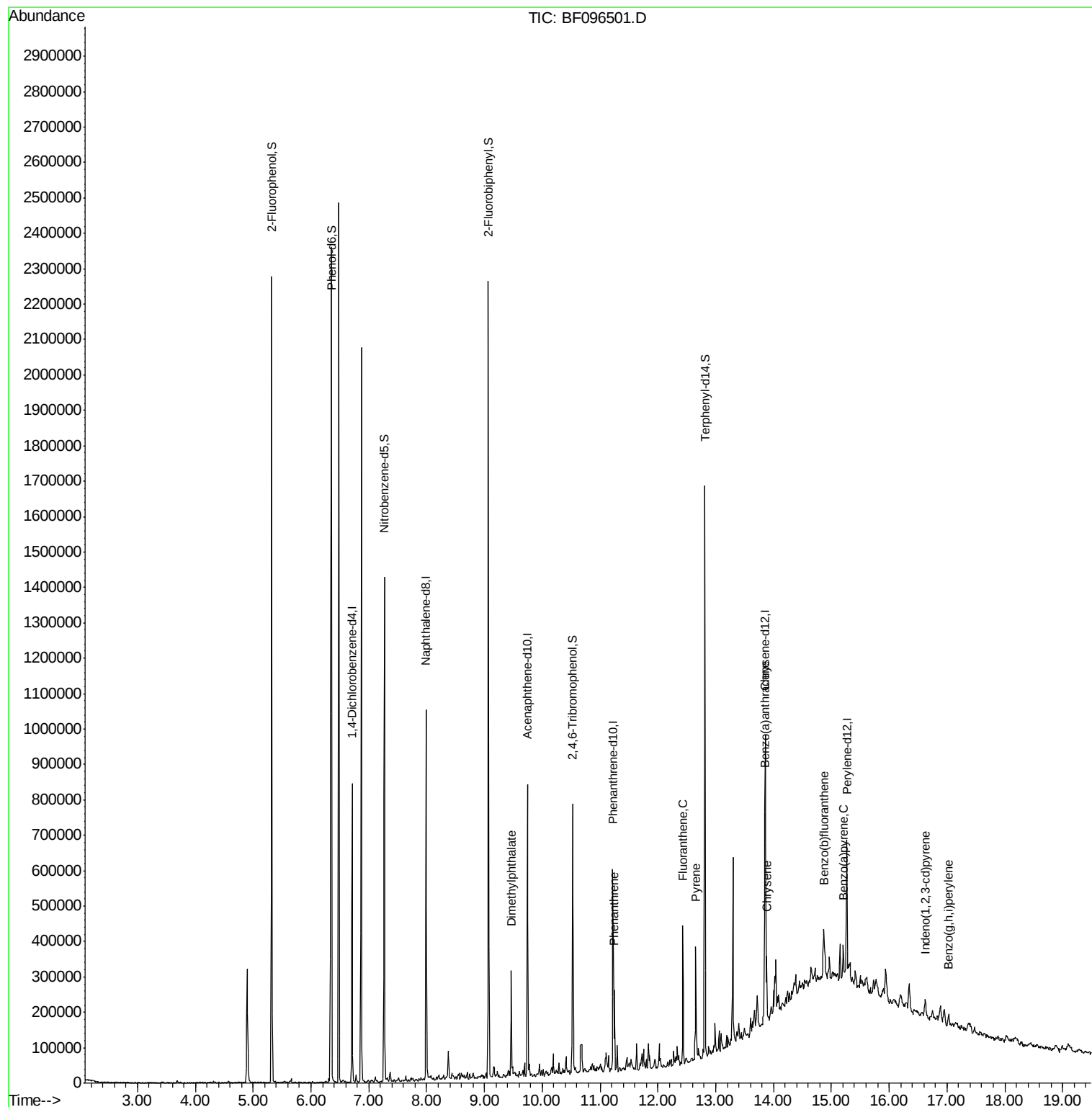
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	107901	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	417291	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	148458	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	207294	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	221805	20.00	ng	-0.01
86) Perylene-d12	15.27	264	171473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	633204	86.62	ng	0.00
7) Phenol-d6	6.35	99	770616	85.74	ng	0.00
23) Nitrobenzene-d5	7.27	82	441108	63.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	79394	68.46	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	730286	84.11	ng	0.00
78) Terphenyl-d14	12.81	244	492023	47.40	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.46	163	102827	9.28	ng	98
70) Phenanthrene	11.25	178	81975	7.32	ng	98
74) Fluoranthene	12.43	202	138352	12.59	ng	98
77) Pyrene	12.66	202	136336	7.66	ng	99
80) Benzo(a)anthracene	13.84	228	67696	5.27	ng	97
82) Chrysene	13.88	228	66710	4.96	ng	97
85) Indeno(1,2,3-cd)pyrene	16.62	276	21506	2.03	ng	97
87) Benzo(b)fluoranthene	14.87	252	73464m	6.84	ng	
89) Benzo(a)pyrene	15.20	252	44433	4.63	ng	# 86
91) Benzo(g,h,i)perylene	17.03	276	25411	3.25	ng	97

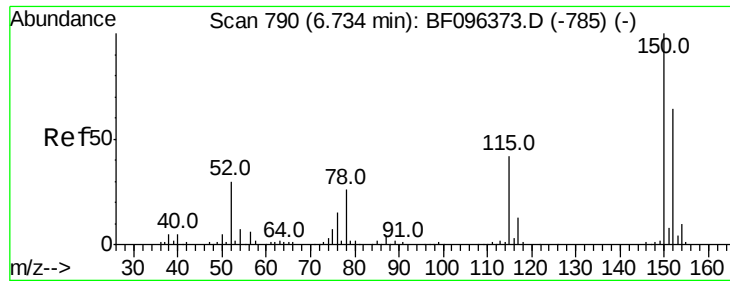
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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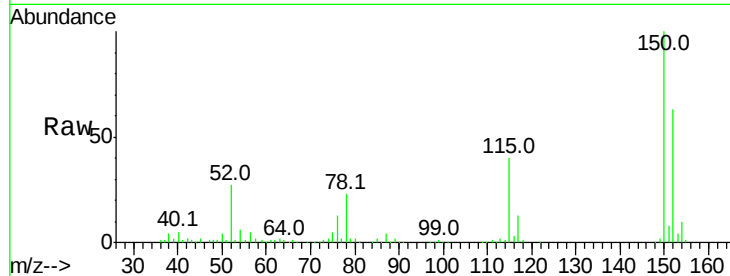


#1

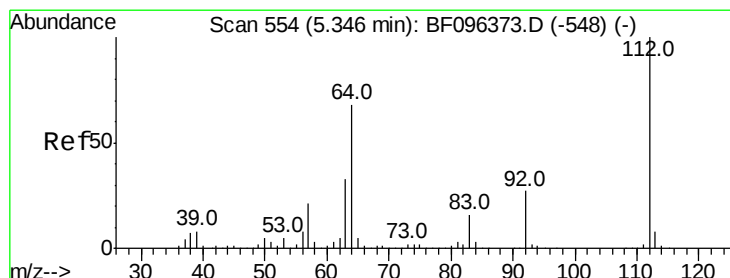
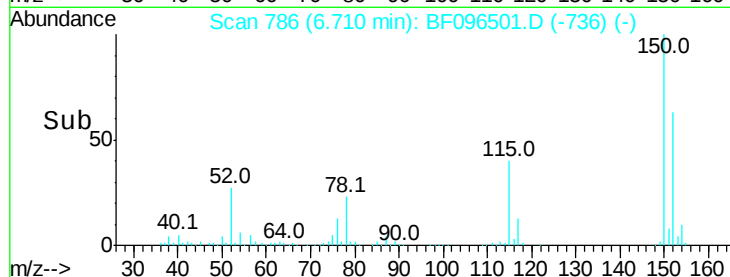
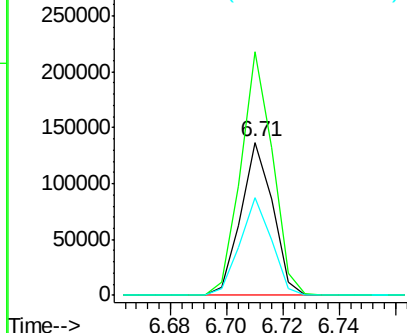
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Instrument :
BNA_F
ClientSampleId :
B9-0-2

Tot Ion:152 Resp: 107901
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 63.8 52.2 78.2



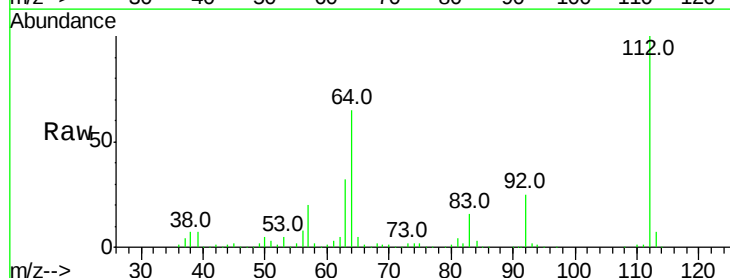
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



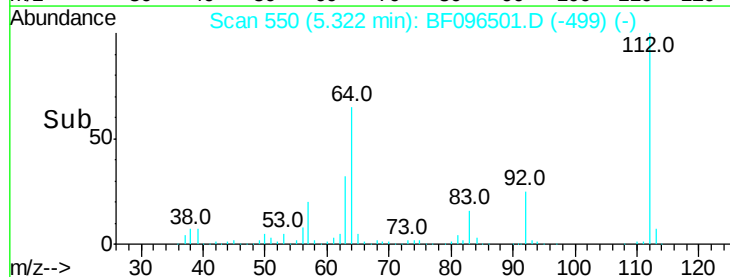
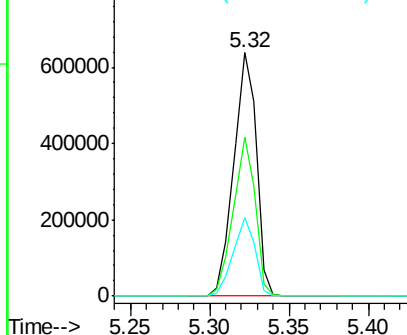
#5

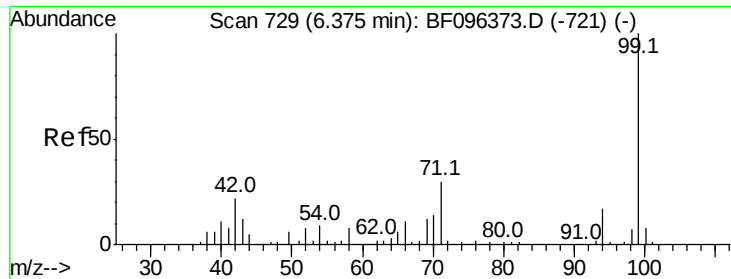
2-Fluorophenol
Concen: 86.62 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Tgt Ion:112 Resp: 633204
Ion Ratio Lower Upper
112 100
64 65.2 46.0 69.0
63 32.3 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: 85.74 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :

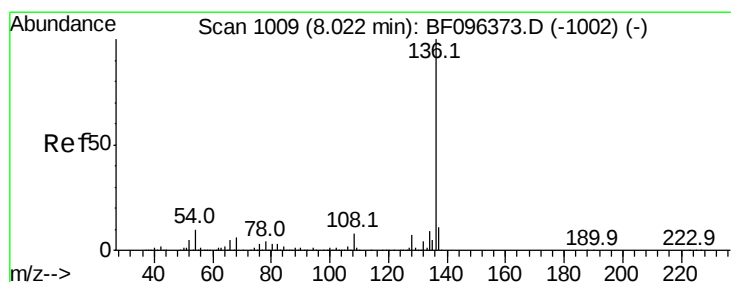
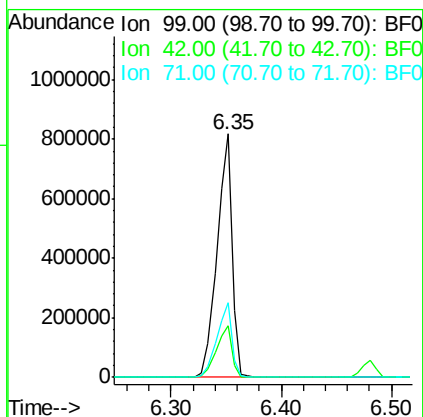
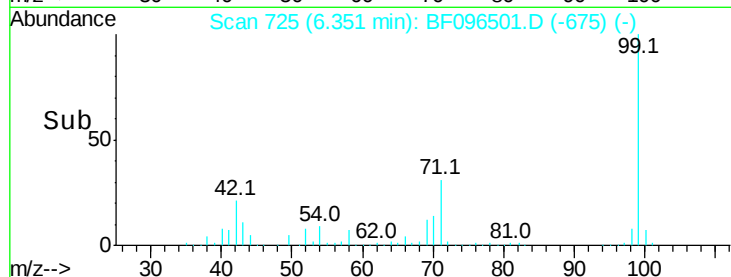
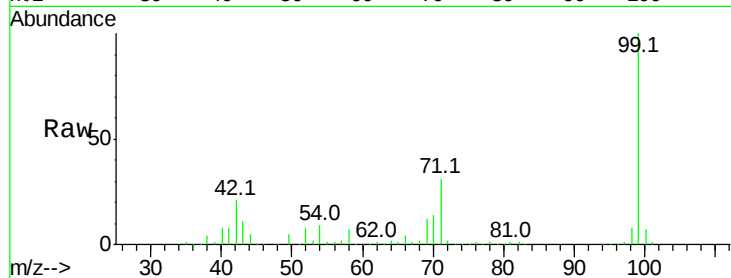
BNA_F

ClientSampleId :

B9-0-2

Tot Ion: 99 Resp: 770616

Ion	Ratio	Lower	Upper
99	100		
42	21.4	13.5	20.3#
71	30.9	24.5	36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.99 min Scan# 1004

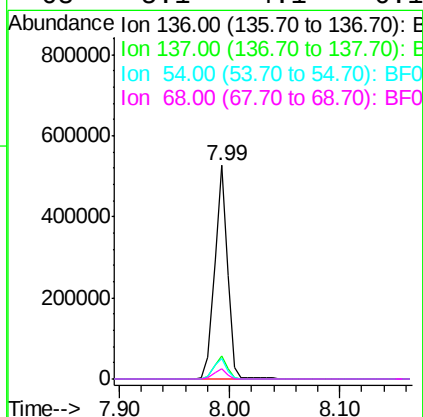
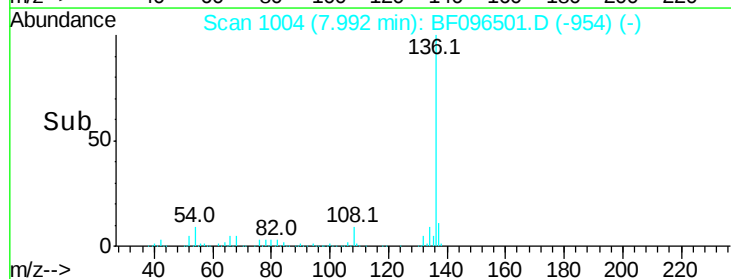
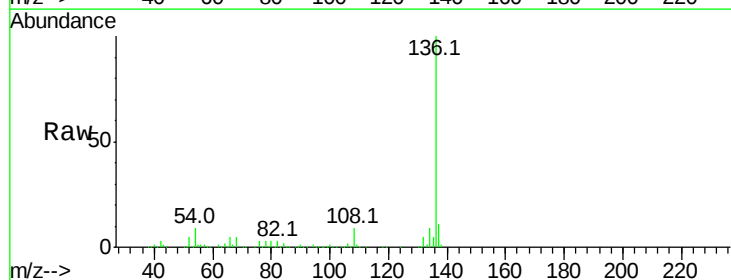
Delta R.T. -0.01 min

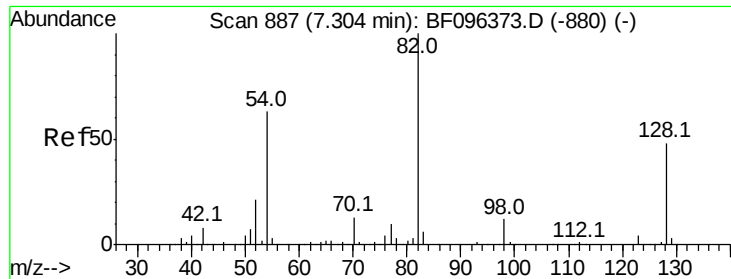
Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Tgt Ion: 136 Resp: 417291

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	9.4	4.9	7.3#
68	5.1	4.1	6.1

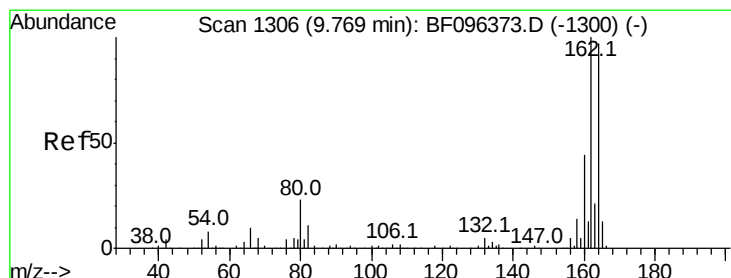
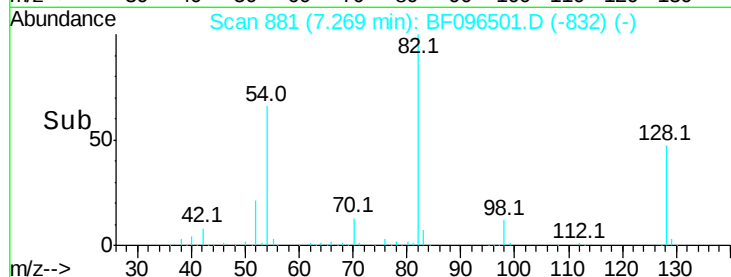
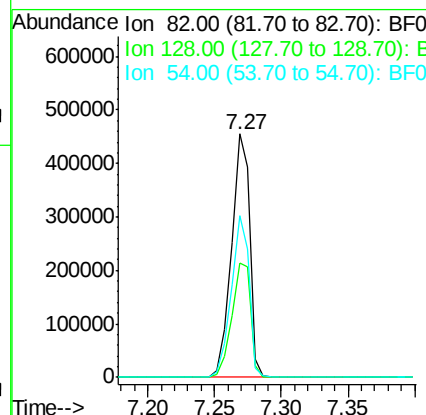
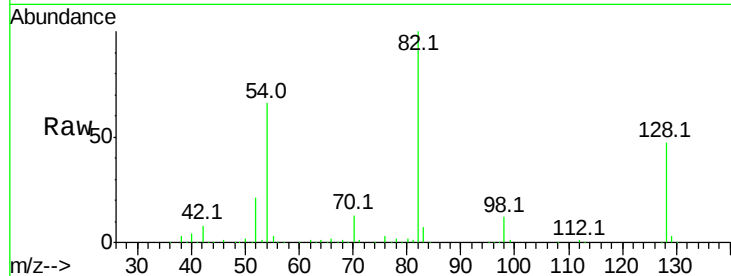




#23
 Nitrobenzene-d5
 Concen: 63.52 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

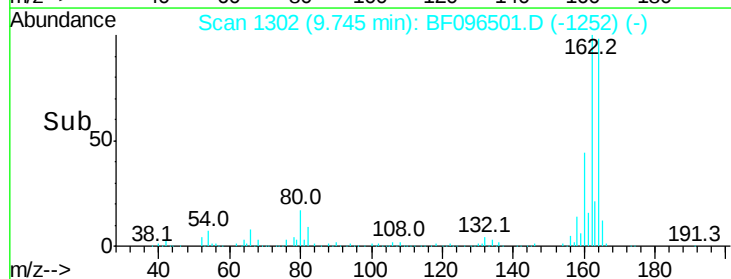
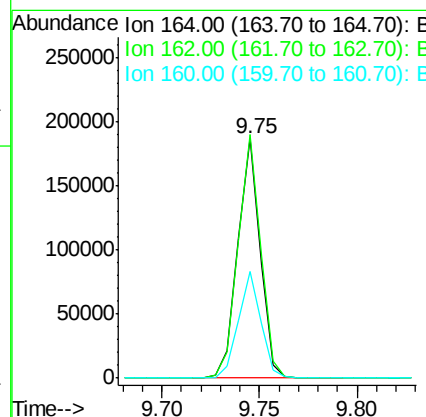
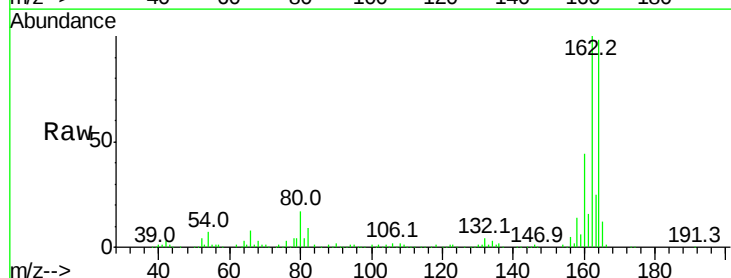
Instrument :
 BNA_F
 ClientSampleId :
 B9-0-2

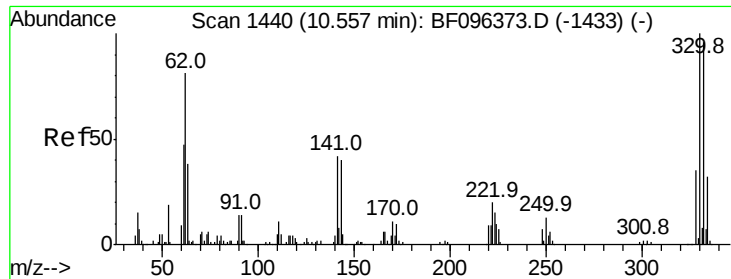
Tot Ion: 82 Resp: 441108
 Ion Ratio Lower Upper
 82 100
 128 46.9 34.0 51.0
 54 66.3 42.2 63.2#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

Tgt Ion:164 Resp: 148458
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.6 123.8
 160 44.3 36.2 54.2

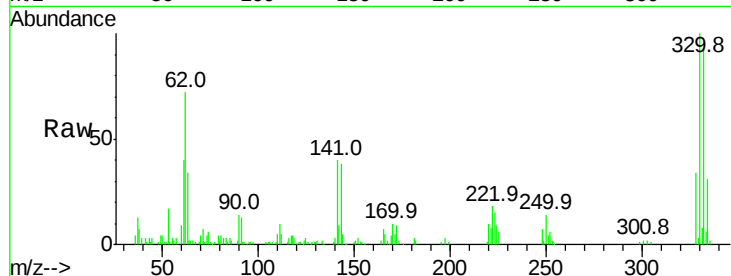




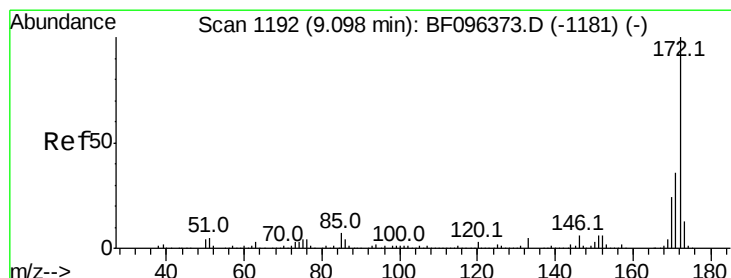
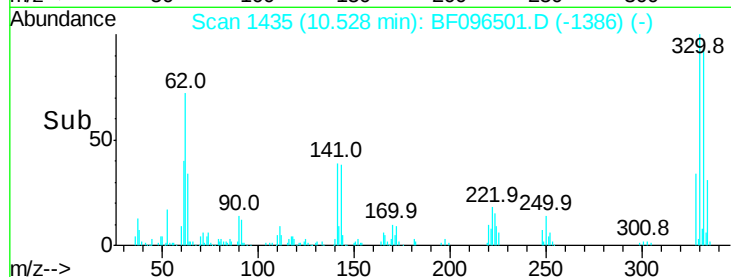
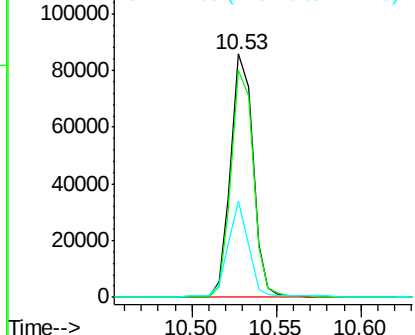
#41
 2,4,6-Tribromophenol
 Concen: 68.46 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 B9-0-2

Tot Ion:330 Resp: 79394
 Ion Ratio Lower Upper
 330 100
 332 93.6 76.6 115.0
 141 37.9 31.4 47.2

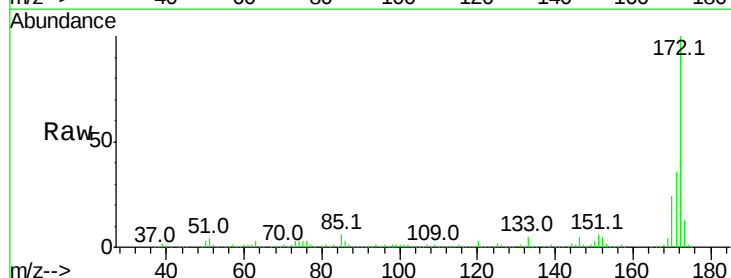


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

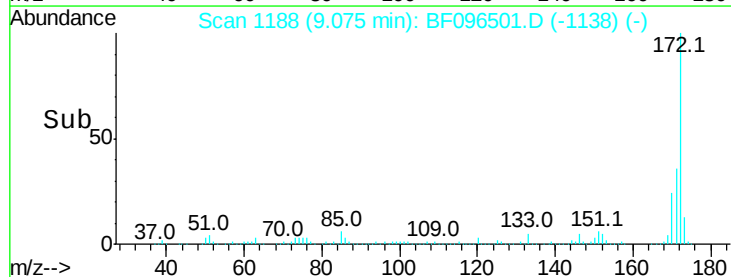
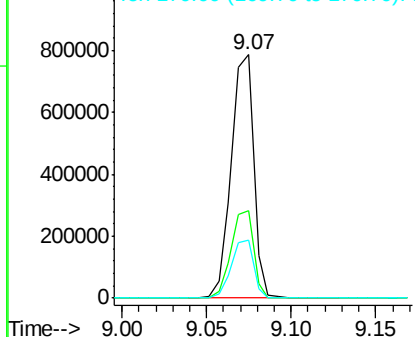


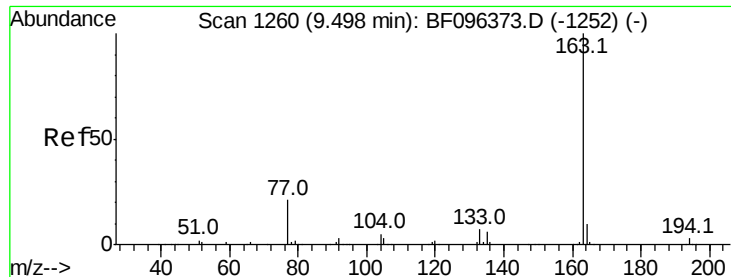
#44
 2-Fluorobiphenyl
 Concen: 84.11 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096501.D
 Acq: 6 Jul 2017 00:07

Tgt Ion:172 Resp: 730286
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 24.0 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

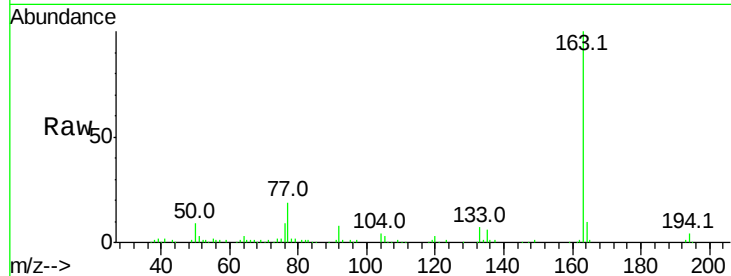




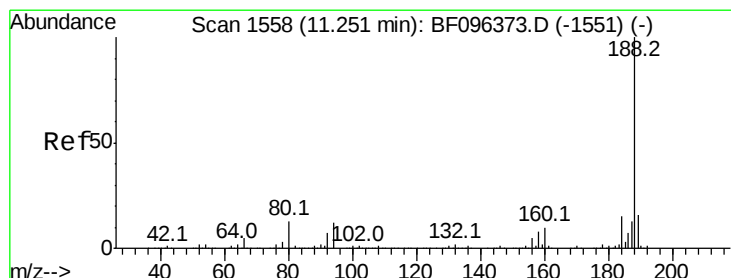
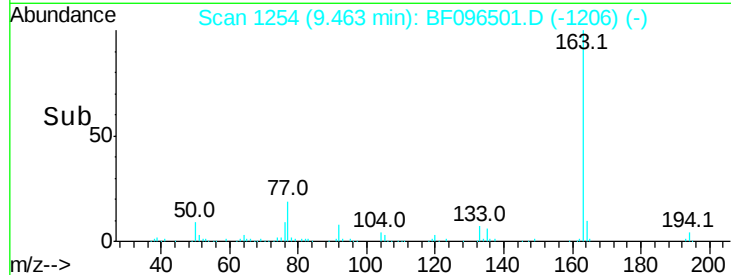
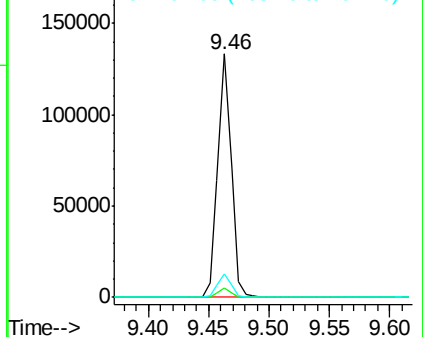
#49
Dimethylphthalate
Concen: 9.28 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

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B9-0-2

Tot Ion:163 Resp: 102827
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.8 8.4 12.6

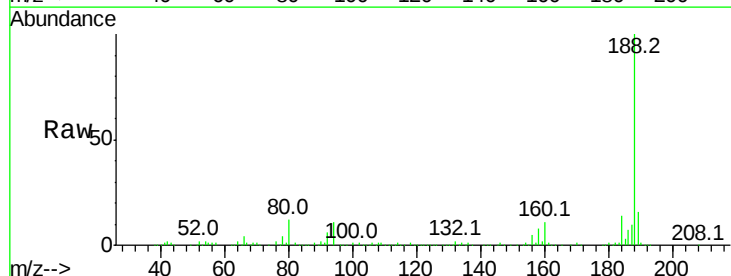


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

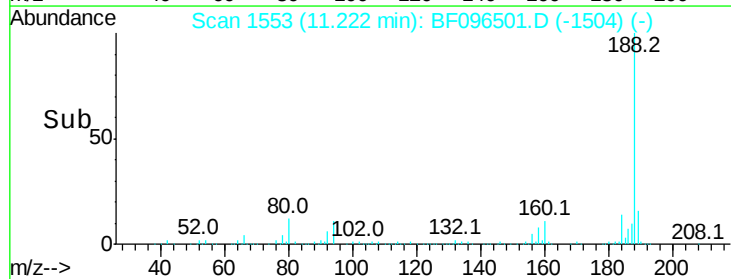
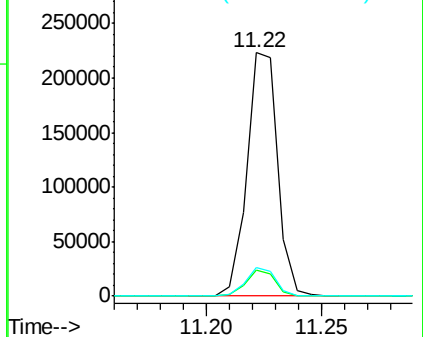


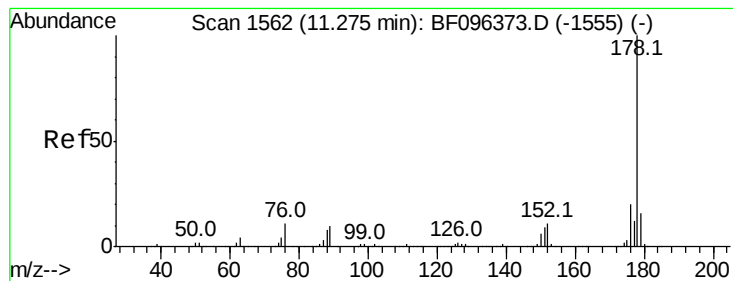
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Tgt Ion:188 Resp: 207294
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.8 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: 7.32 ng

RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

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BNA_F

ClientSampleId :

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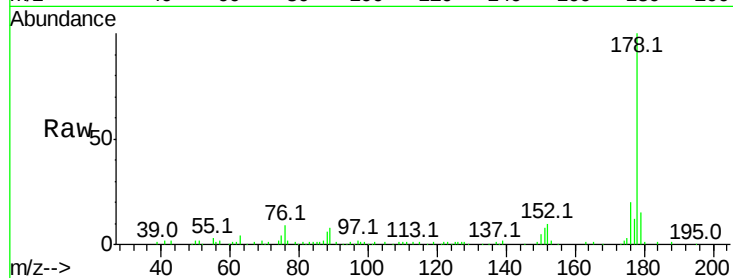
Tot Ion:178 Resp: 81975

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

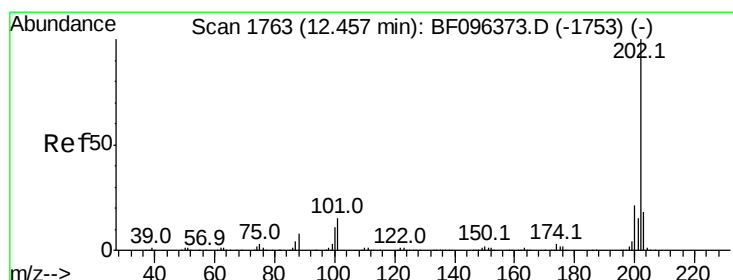
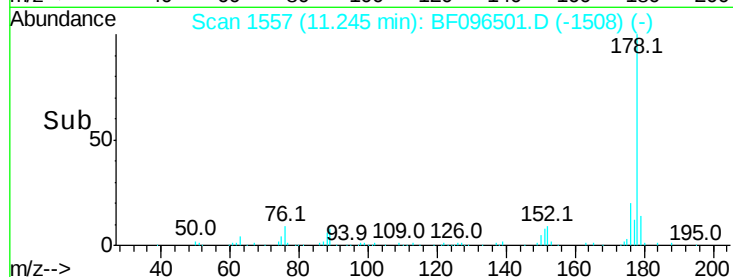
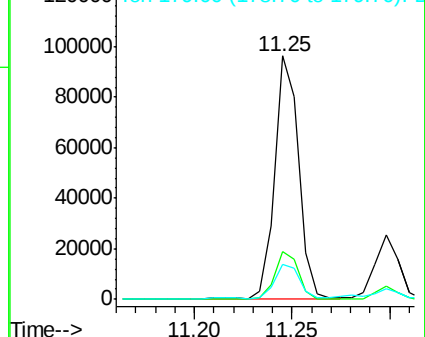
179 14.5 12.6 19.0



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: 12.59 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

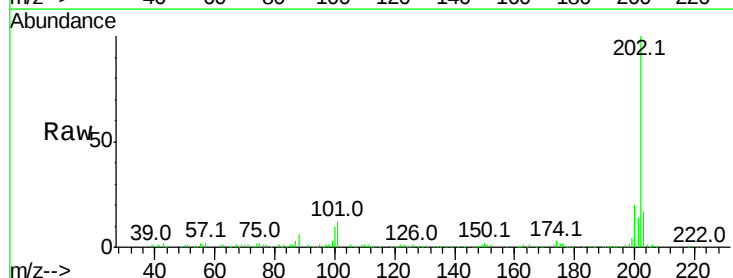
Tgt Ion:202 Resp: 138352

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

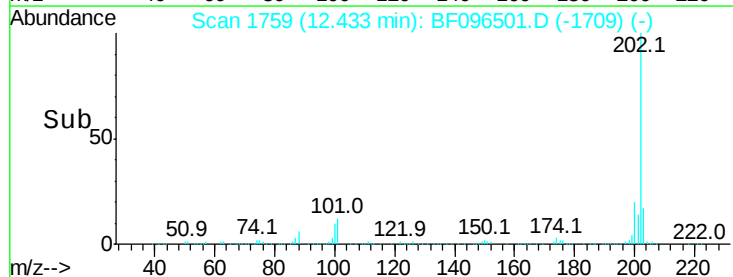
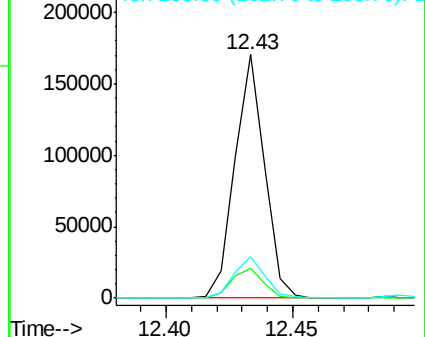
203 17.2 0.0 38.1

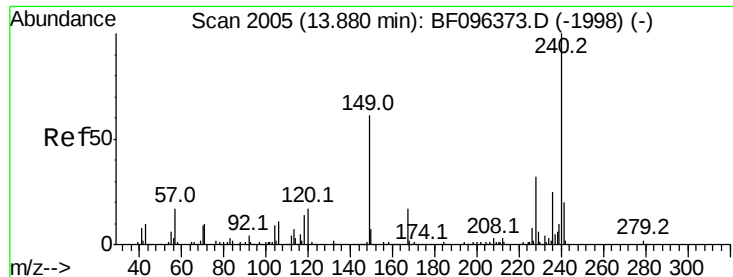


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

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B9-0-2

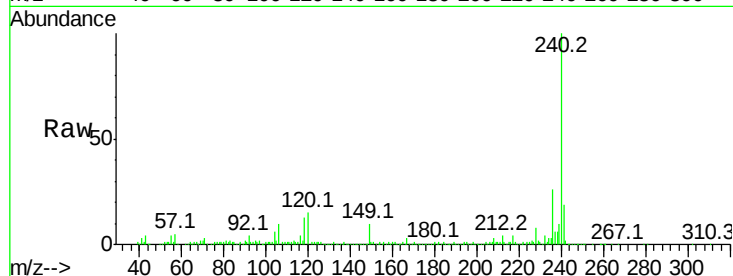
Tot Ion:240 Resp: 221805

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

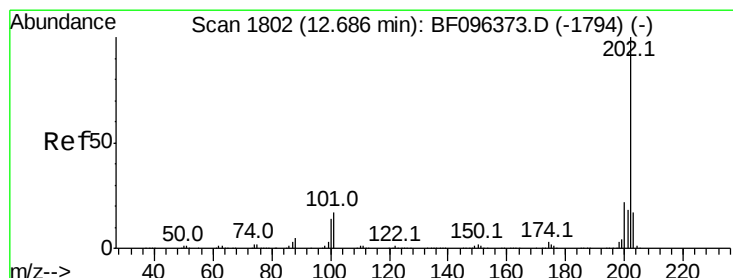
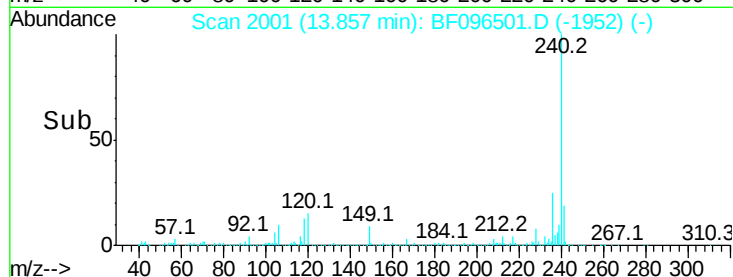
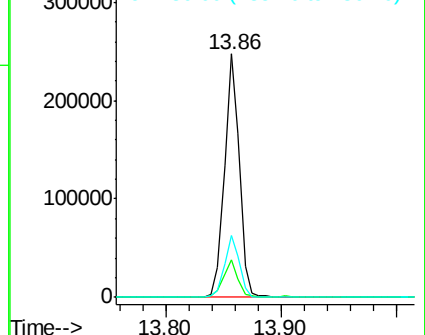
236 25.6 20.5 30.7



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: 7.66 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

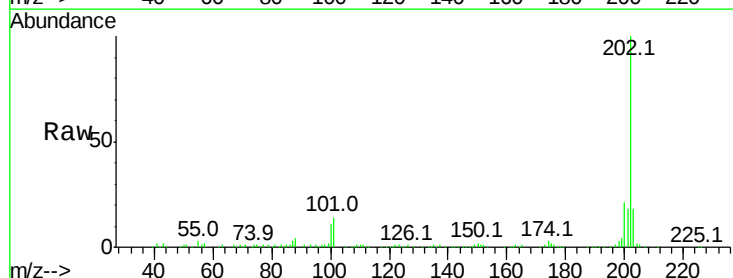
Tgt Ion:202 Resp: 136336

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

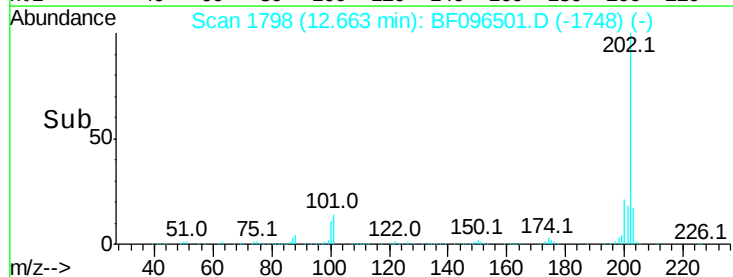
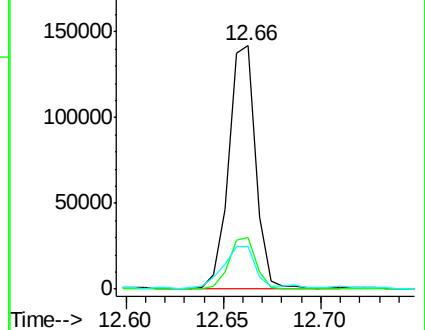
203 17.5 14.4 21.6

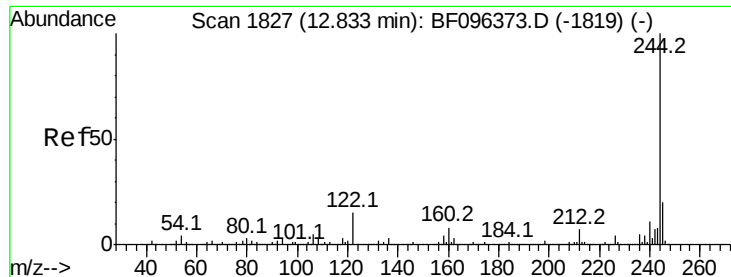


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.40 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :

BNA_F

ClientSampleId :

B9-0-2

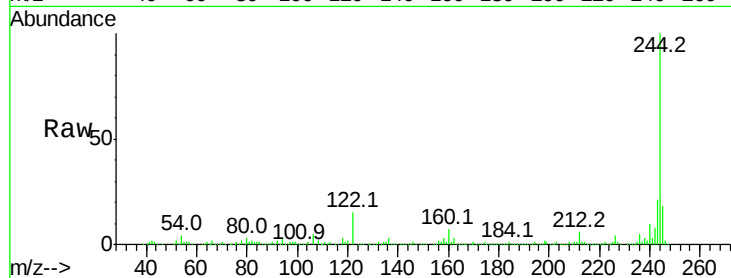
Tot Ion:244 Resp: 492023

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

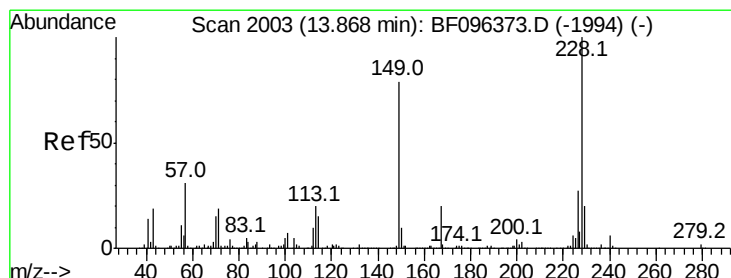
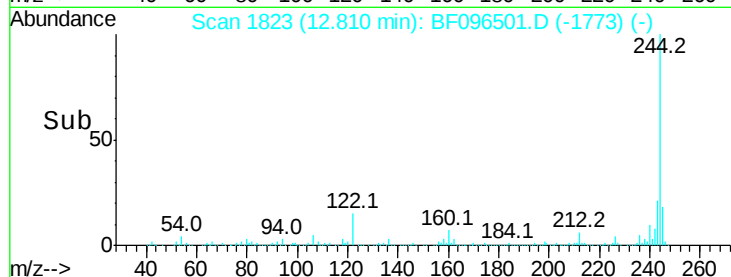
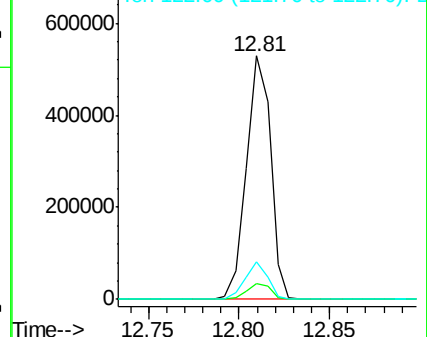
122 15.4 10.3 15.5



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: 5.27 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

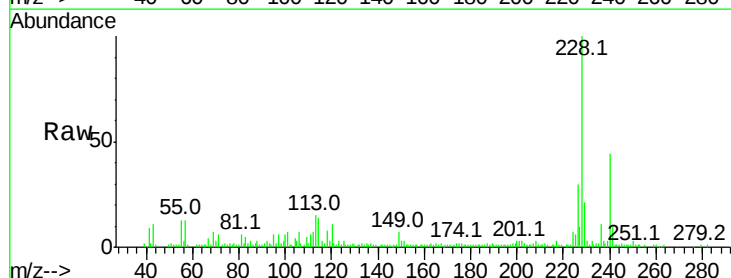
Tgt Ion:228 Resp: 67696

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

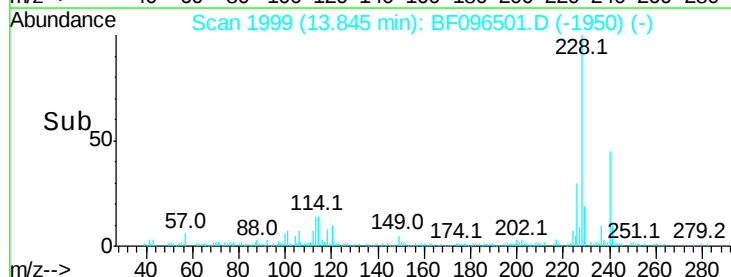
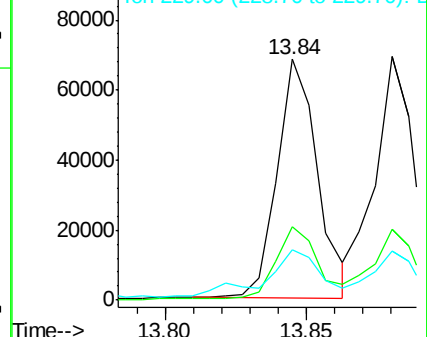
229 20.9 16.3 24.5

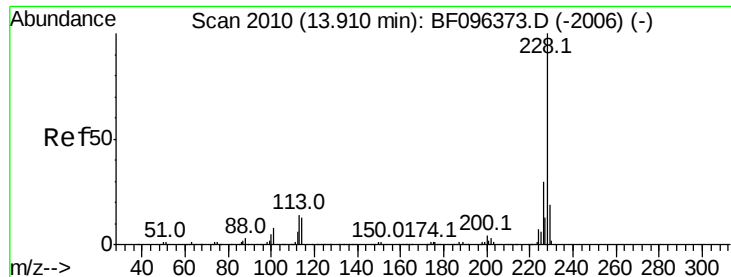


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.96 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Instrument :

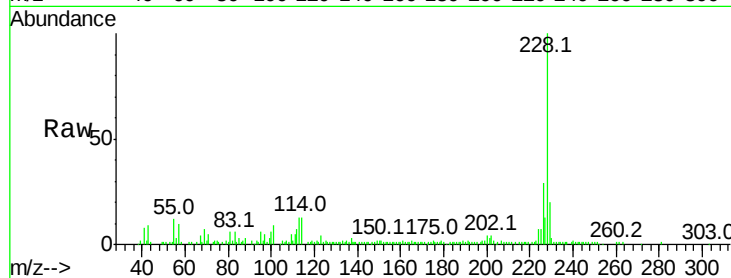
BNA_F

ClientSampleId :

B9-0-2

Tot Ion:228 Resp: 66710

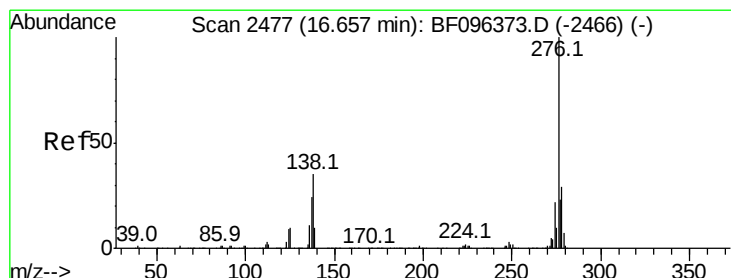
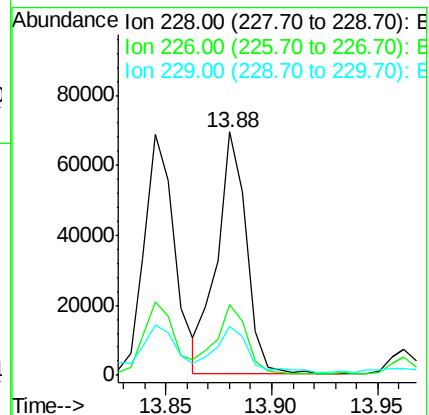
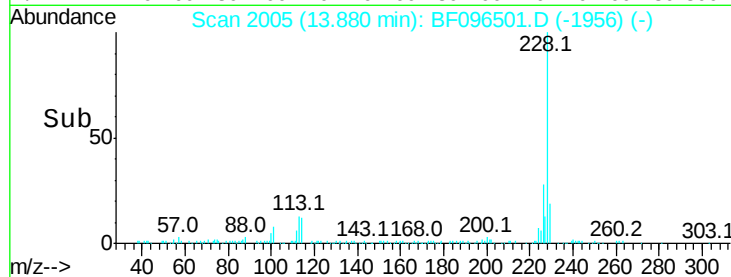
Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.9	37.3
229	20.3	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.03 ng

RT: 16.62 min Scan# 2471

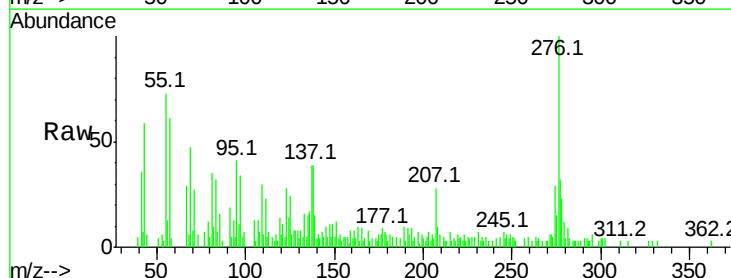
Delta R.T. -0.02 min

Lab File: BF096501.D

Acq: 6 Jul 2017 00:07

Tgt Ion:276 Resp: 21506

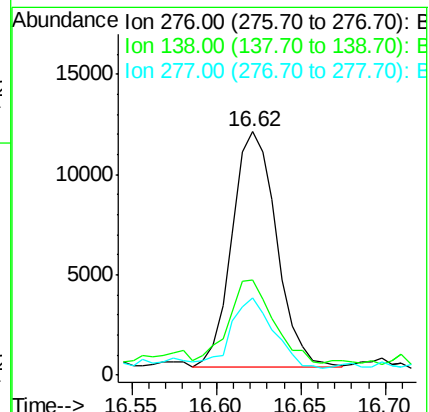
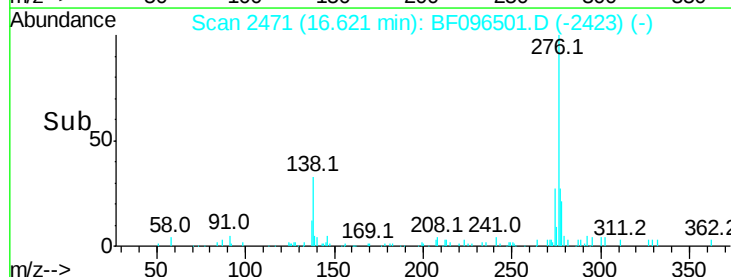
Ion	Ratio	Lower	Upper
276	100		
138	35.3	27.8	41.6
277	28.5	20.2	30.4

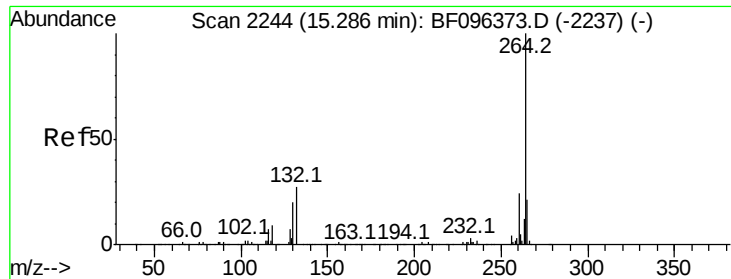


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

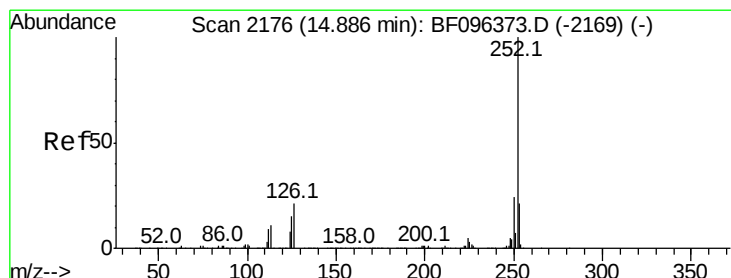
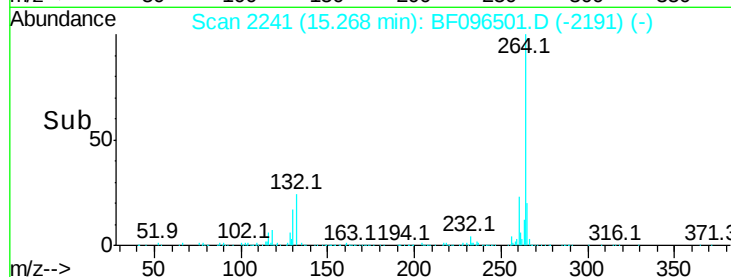
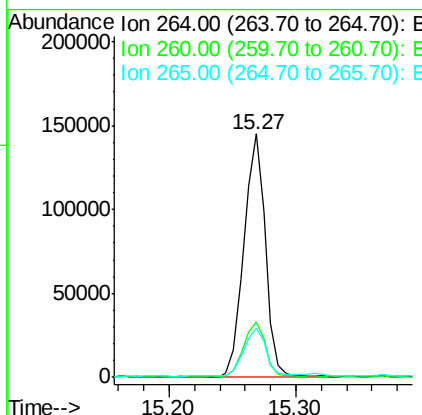
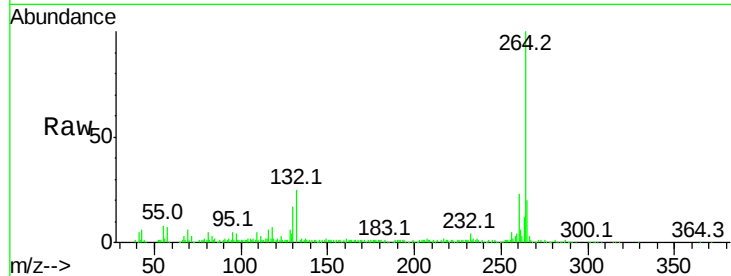




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

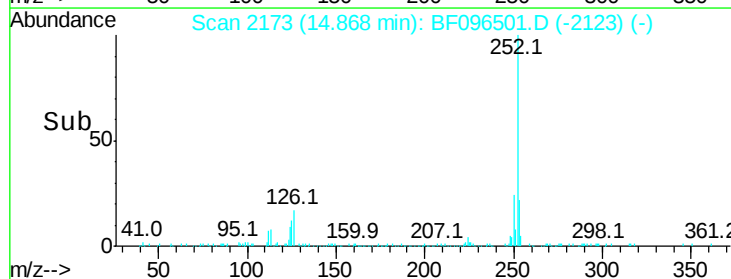
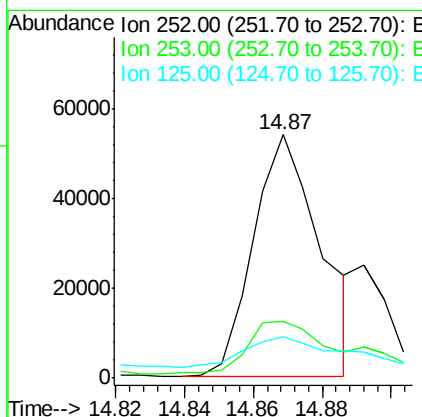
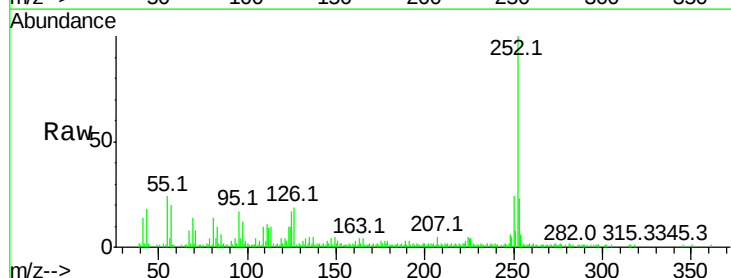
Instrument :
BNA_F
ClientSampleId :
B9-0-2

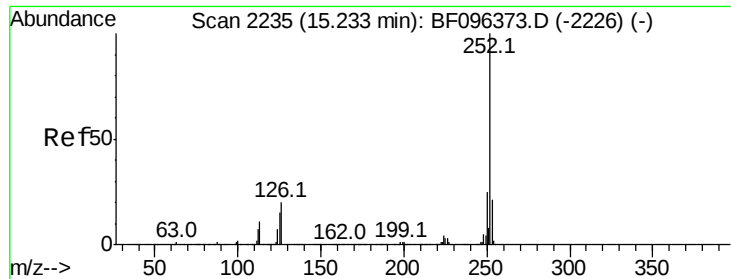
Tot Ion:264 Resp: 171473
Ion Ratio Lower Upper
264 100
260 22.9 19.5 29.3
265 20.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.84 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Tgt Ion:252 Resp: 73464
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 16.8 9.8 14.8#

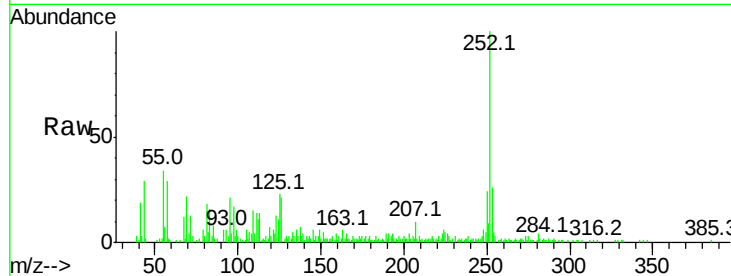




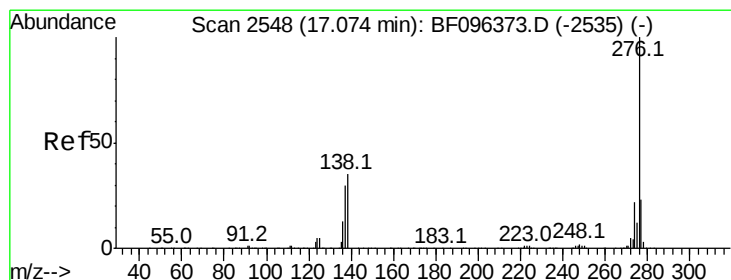
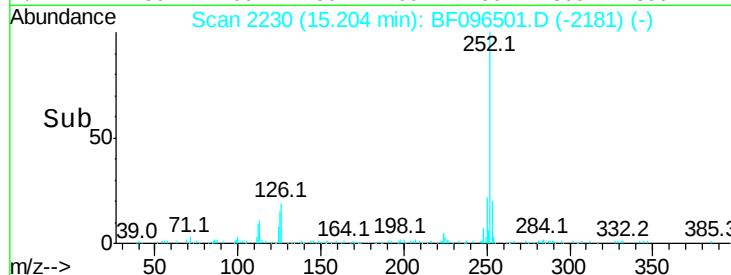
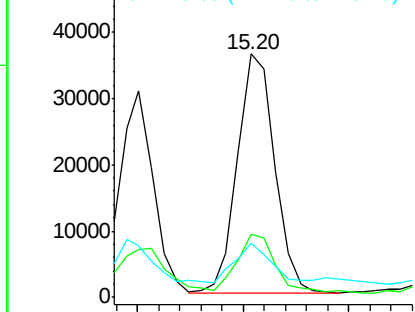
#89
Benzo(a)pyrene
Concen: 4.63 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Instrument :
BNA_F
ClientSampled :
B9-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	22.5	11.0	16.4

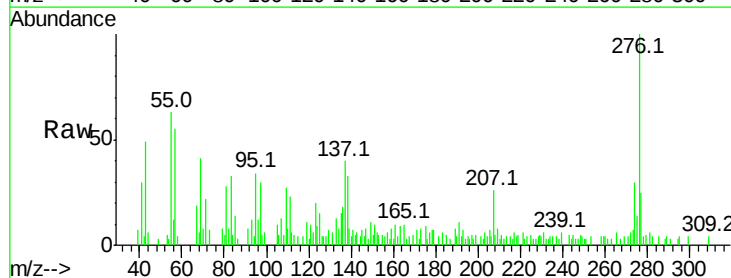


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.25 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF096501.D
Acq: 6 Jul 2017 00:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	33.1	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

