

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071217\
 Data File : BF096691.D
 Acq On : 12 Jul 2017 14:59
 Operator : SJ/JU
 Sample : I4132-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 15:54:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

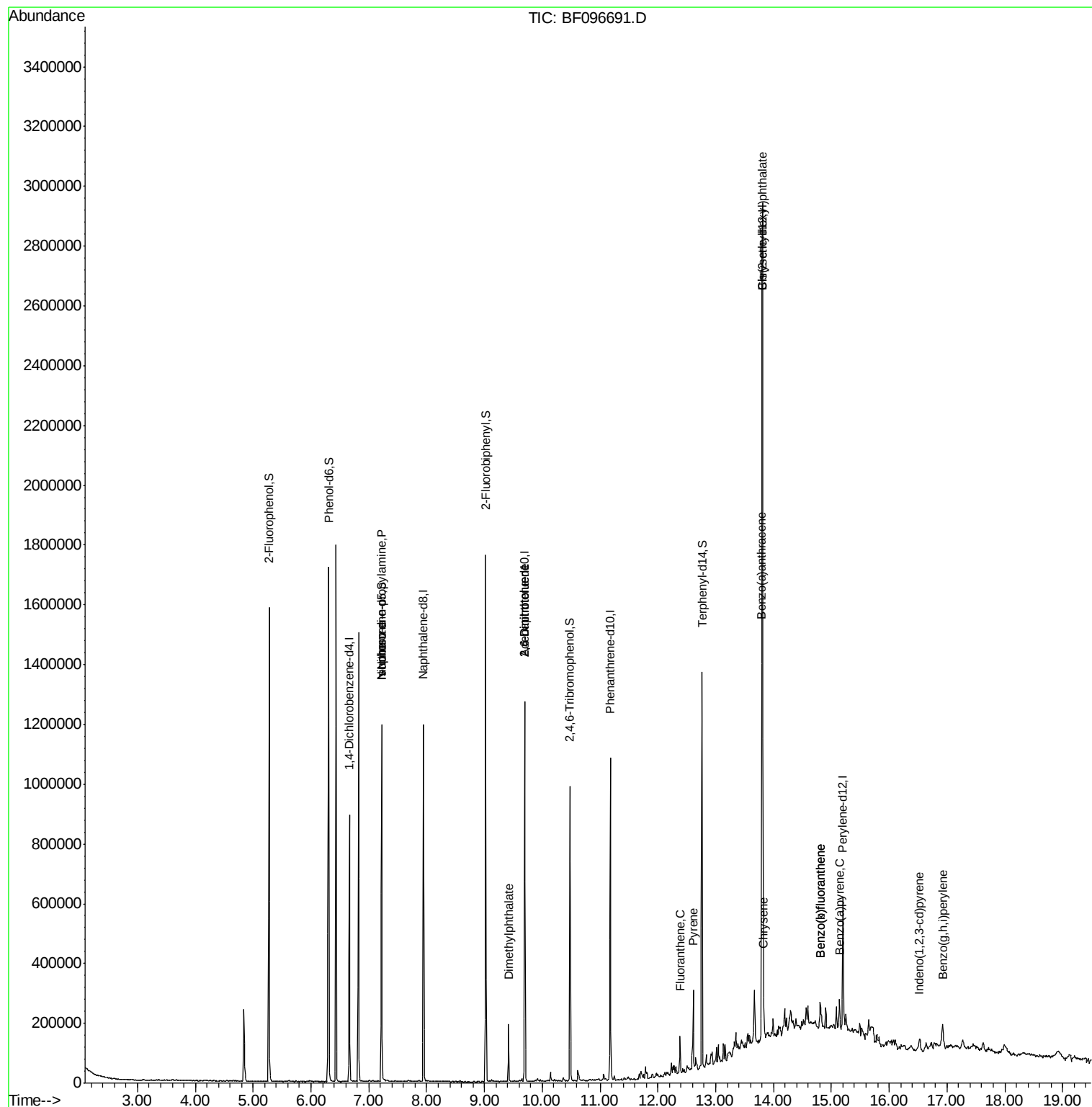
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	123979	20.00	ng	-0.04
21) Naphthalene-d8	7.95	136	541529	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	236031	20.00	ng	-0.04
63) Phenanthrene-d10	11.17	188	375540	20.00	ng	-0.04
75) Chrysene-d12	13.80	240	209190	20.00	ng	-0.04
86) Perylene-d12	15.20	264	195805	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	429182	51.09	ng	-0.04
7) Phenol-d6	6.30	99	530465	51.37	ng	-0.04
23) Nitrobenzene-d5	7.22	82	369041	40.95	ng	-0.05
41) 2,4,6-Tribromophenol	10.49	330	103564	56.17	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	594200	43.04	ng	-0.04
78) Terphenyl-d14	12.76	244	389484	39.79	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.22	70	49537	8.052	ng	# 85
25) Isophorone	7.22	82	364237	20.846	ng	# 67
49) Dimethylphthalate	9.42	163	71367	4.050	ng	98
50) 2,6-Dinitrotoluene	9.70	165	30201	7.751	ng	# 33
56) 2,4-Dinitrotoluene	9.70	165	30201	6.121	ng	# 33
74) Fluoranthene	12.38	202	44977	2.260	ng	99
77) Pyrene	12.61	202	103446	6.161	ng	96
80) Benzo(a)anthracene	13.79	228	44679	3.688	ng	95
82) Chrysene	13.83	228	49296	3.886	ng	96
83) Bis(2-ethylhexyl)phthalate	13.81	149	628763	66.270	ng	99
85) Indeno(1,2,3-cd)pyrene	16.53	276	21614	2.158	ng	# 89
87) Benzo(b)fluoranthene	14.81	252	51911	4.231	ng	# 91
88) Benzo(k)fluoranthene	14.81	252	51911	4.730	ng	95
89) Benzo(a)pyrene	15.14	252	40480	3.696	ng	# 94
91) Benzo(a,h,i)perylene	16.92	276	48829	5.468	ng	# 86

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

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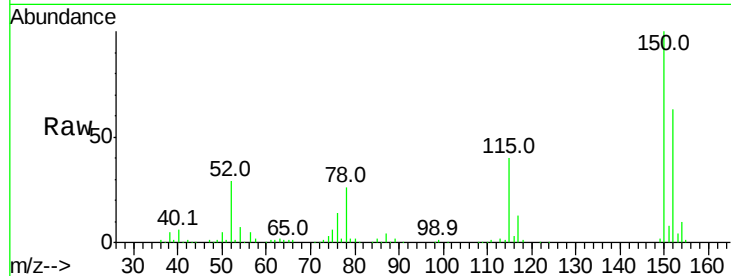


#1

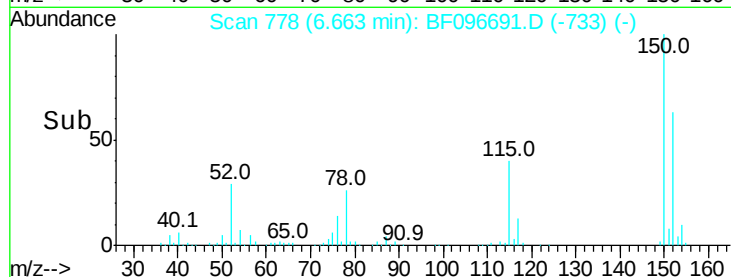
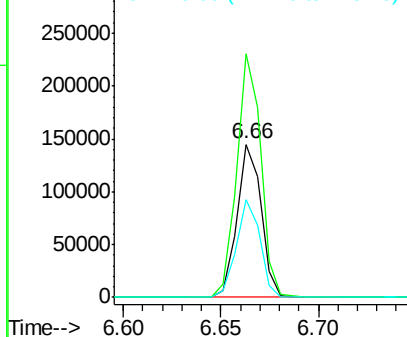
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 123979
Ion Ratio Lower Upper
152 100
150 159.1 126.2 189.2
115 63.8 52.2 78.2



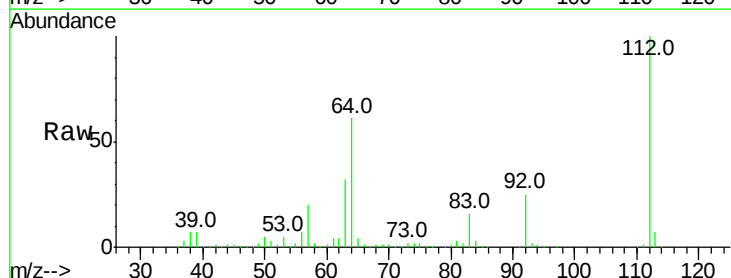
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



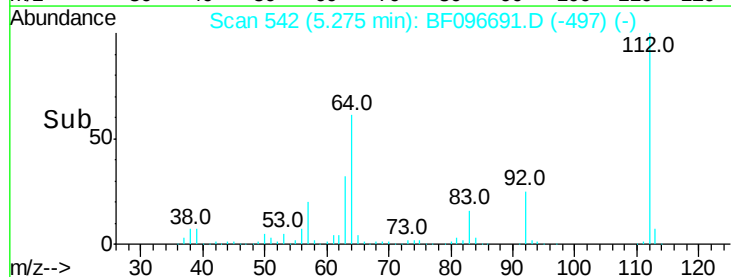
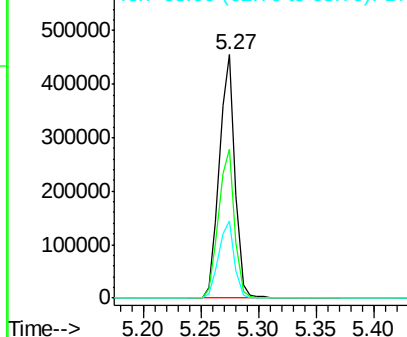
#5

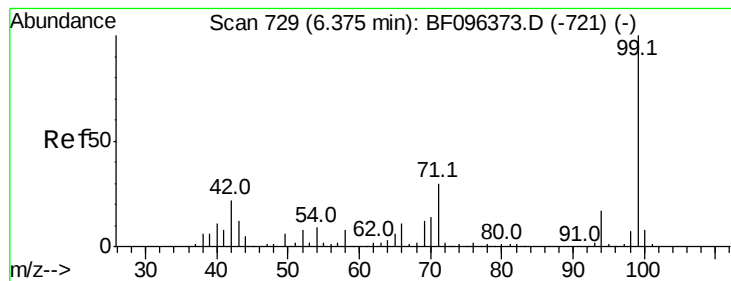
2-Fluorophenol
Concen: 51.094 ng
RT: 5.27 min Scan# 542
Delta R.T. -0.04 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

Tgt Ion:112 Resp: 429182
Ion Ratio Lower Upper
112 100
64 61.3 46.0 69.0
63 31.9 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: 51.369 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.04 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

Instrument :

BNA_F

ClientSampleId :

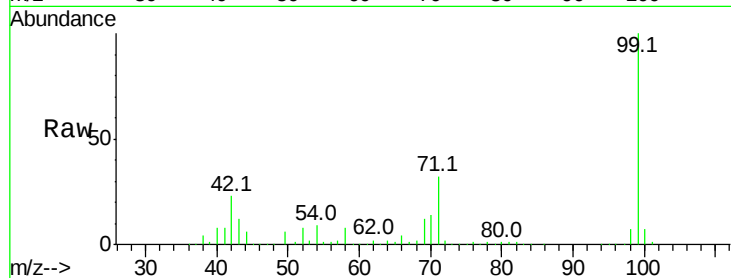
Tot Ion: 99 Resp: 530465

Ion Ratio Lower Upper

99 100

42 22.9 13.5 20.3#

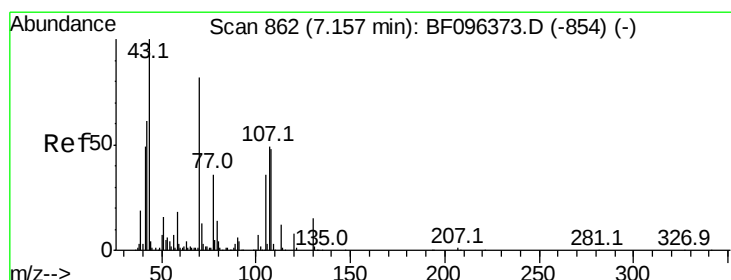
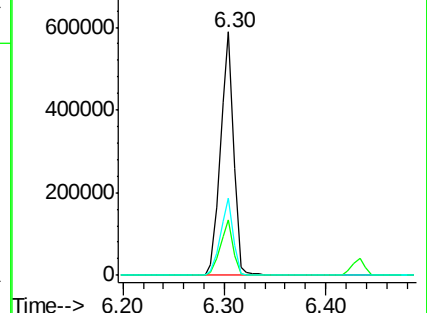
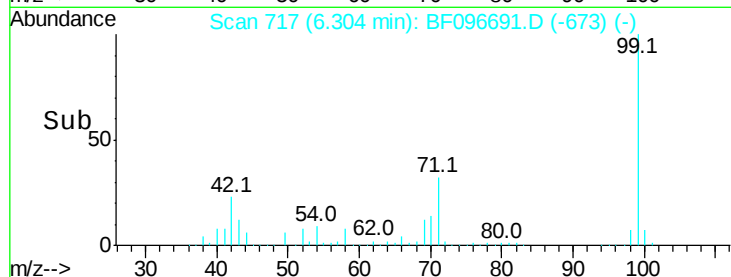
71 31.6 24.5 36.7



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: 8.052 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.09 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

Tgt Ion: 70 Resp: 49537

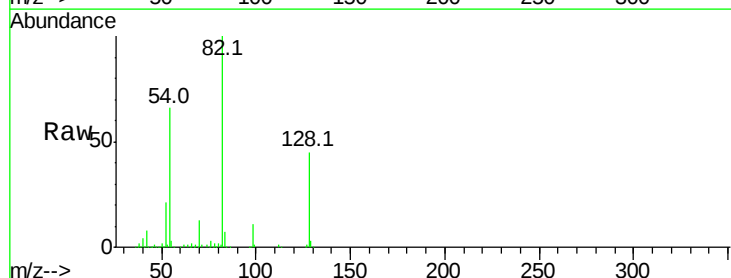
Ion Ratio Lower Upper

70 100

42 63.5 47.2 70.8

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

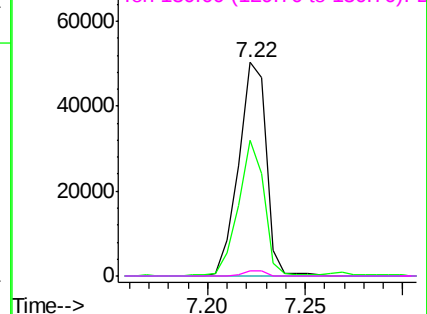
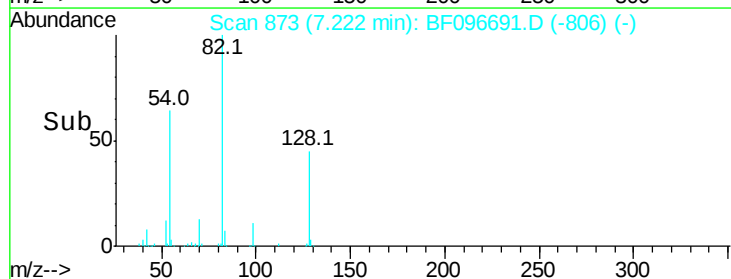


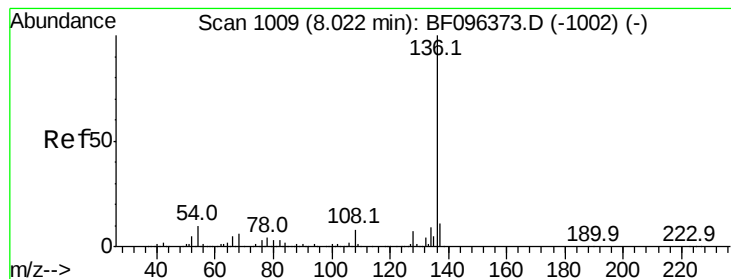
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.95 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

Instrument :

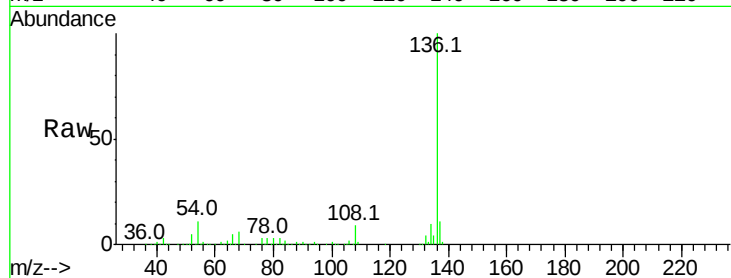
BNA_F

ClientSampleId :

Tot Ion:136 Resp: 541529

Ion Ratio Lower Upper

136	100		
137	11.3	8.5	12.7
54	11.5	4.9	7.3#
68	6.0	4.1	6.1

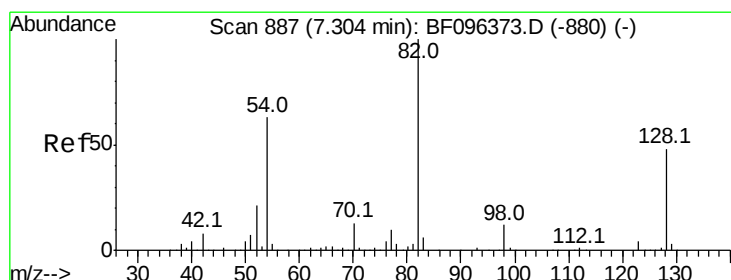
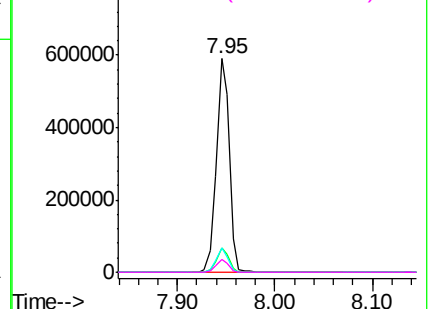
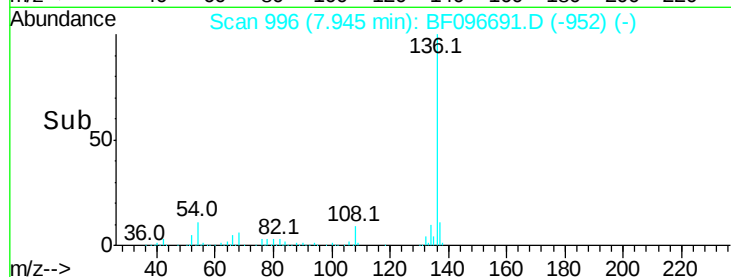


Abundance Ion 136.00 (135.70 to 136.70): E

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: 40.951 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.05 min

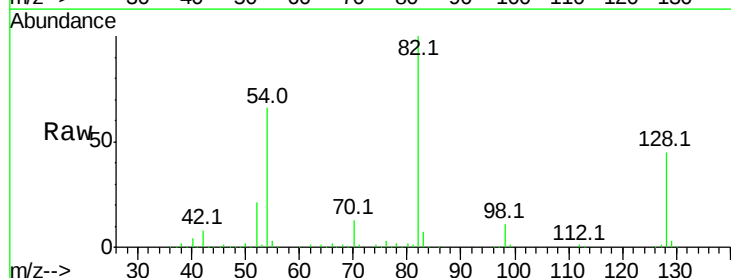
Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

Tgt Ion: 82 Resp: 369041

Ion Ratio Lower Upper

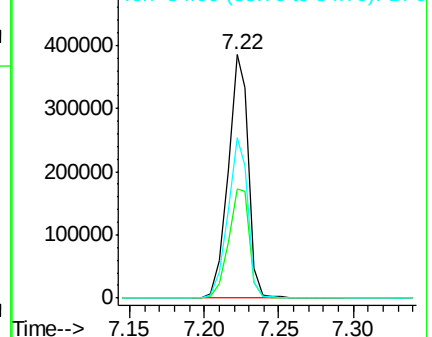
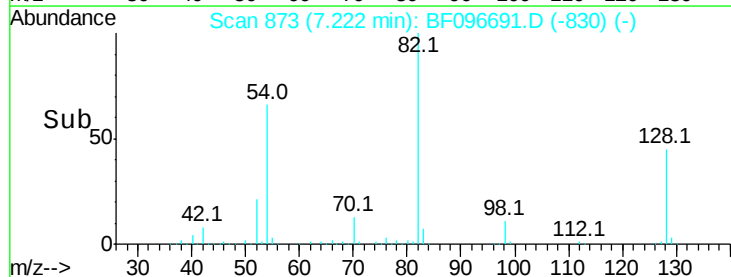
82	100		
128	45.0	34.0	51.0
54	65.9	42.2	63.2#

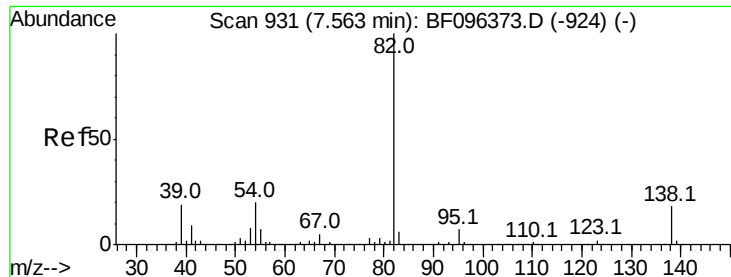


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 20.846 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.31 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

Instrument :

BNA_F

ClientSampleId :

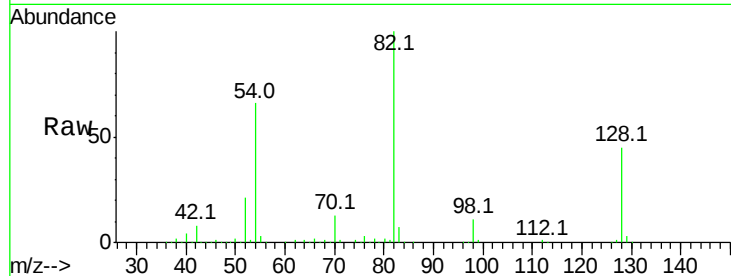
Tot Ion: 82 Resp: 364237

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

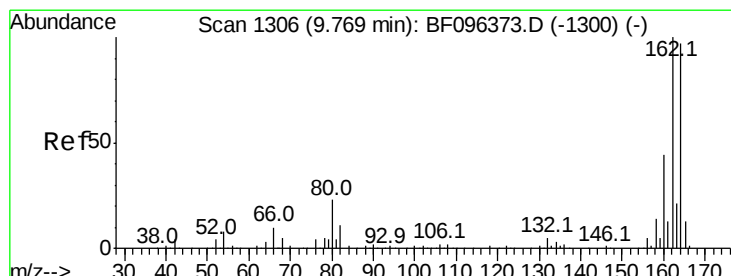
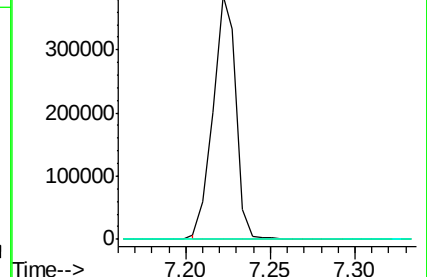
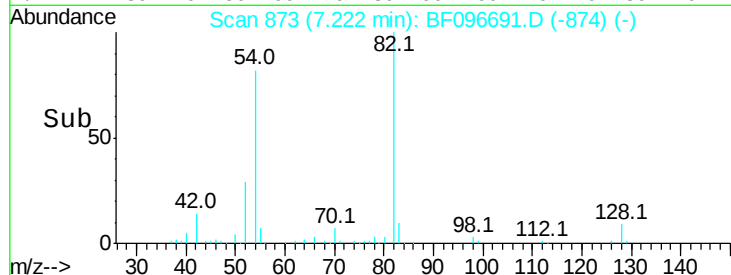
138 0.0 13.1 19.7#



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: 9.70 min Scan# 1294

Delta R.T. -0.04 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

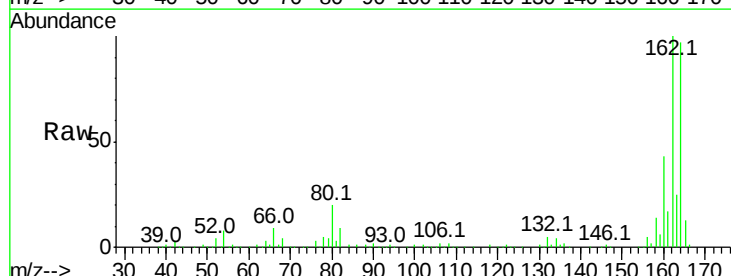
Tgt Ion:164 Resp: 236031

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

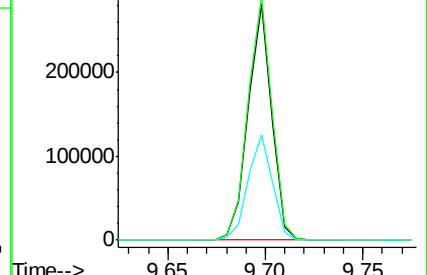
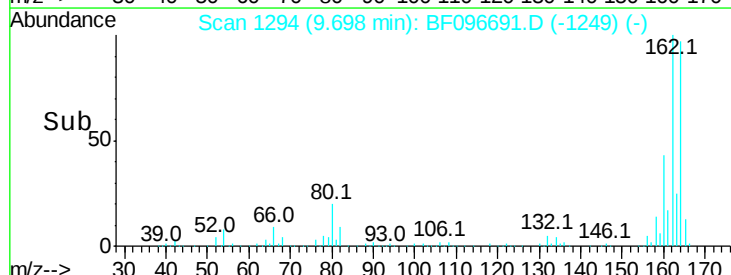
160 44.6 36.2 54.2

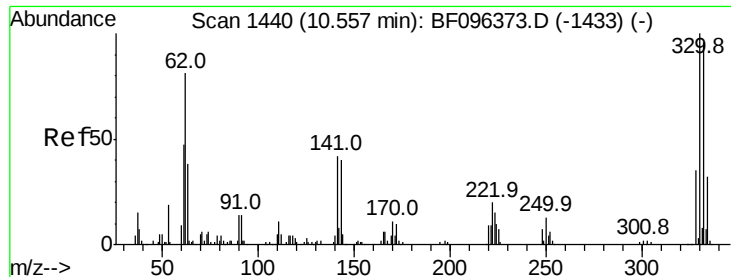


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

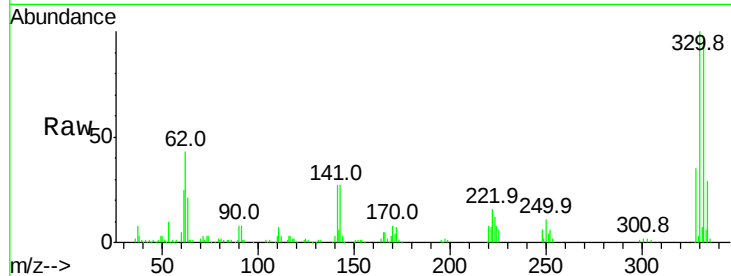




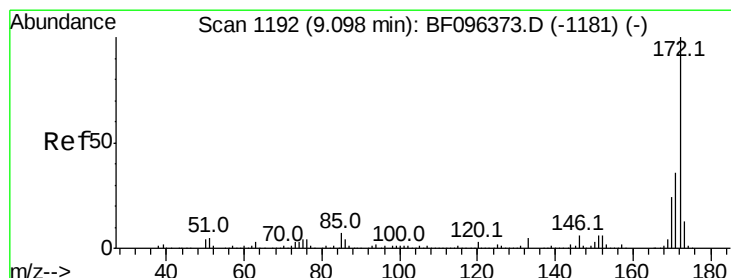
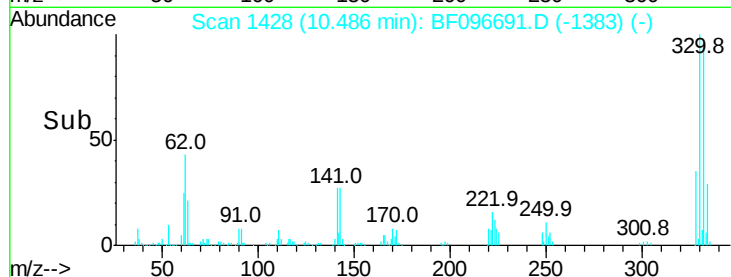
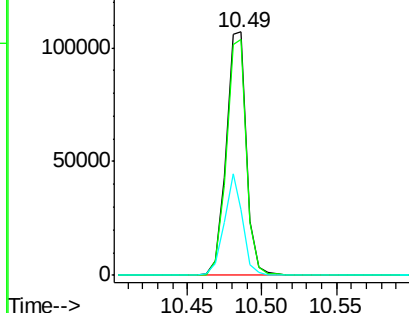
#41
 2,4,6-Tribromophenol
 Concen: 56.172 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096691.D
 Acq: 12 Jul 2017 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 103564
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 37.1 31.4 47.2

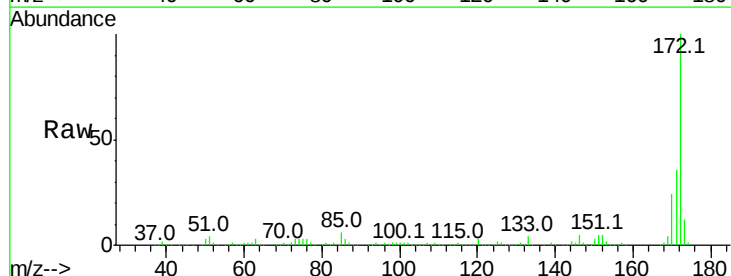


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

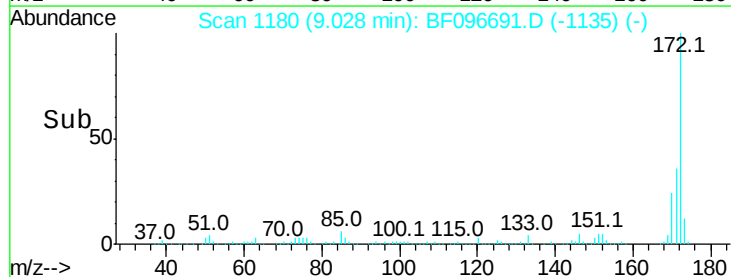
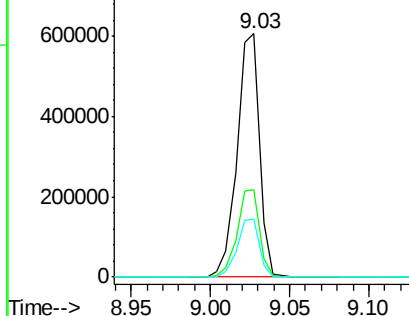


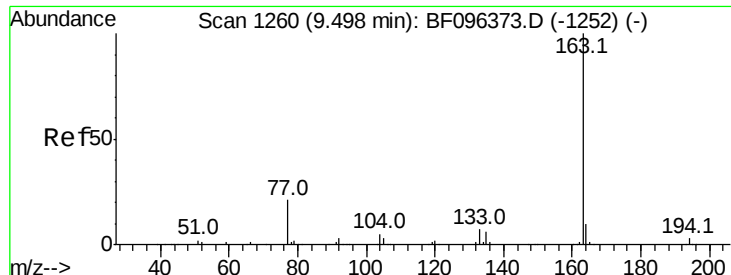
#44
 2-Fluorobiphenyl
 Concen: 43.043 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096691.D
 Acq: 12 Jul 2017 14:59

Tgt Ion:172 Resp: 594200
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.7 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: 4.050 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.05 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

Instrument :
BNA_F
ClientSampled :

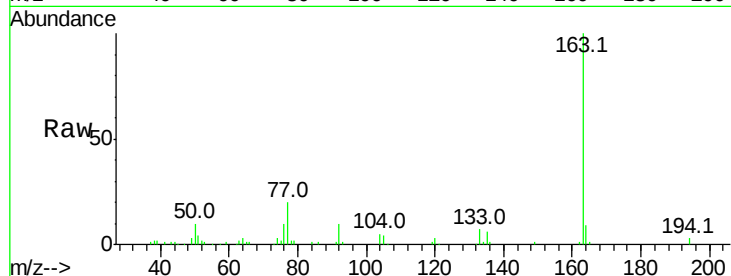
Tot Ion:163 Resp: 71367

Ion Ratio Lower Upper

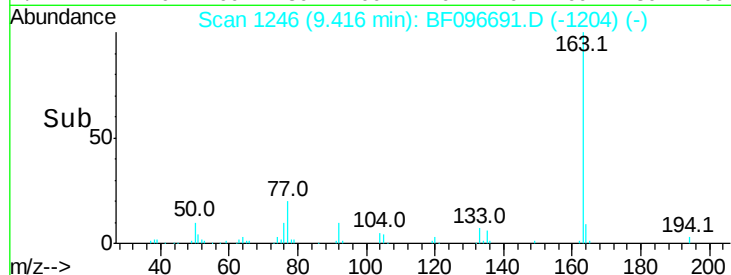
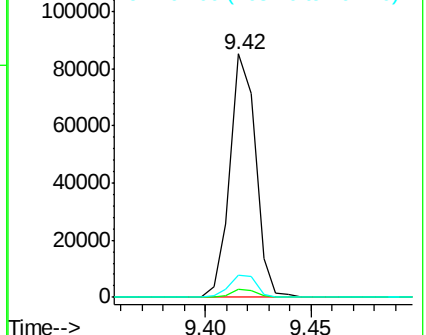
163 100

194 3.2 2.6 4.0

164 9.4 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.751 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.18 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

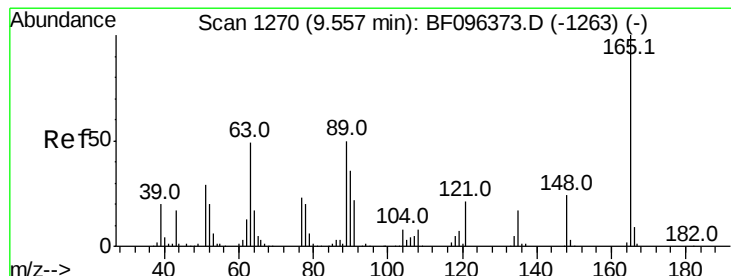
Tgt Ion:165 Resp: 30201

Ion Ratio Lower Upper

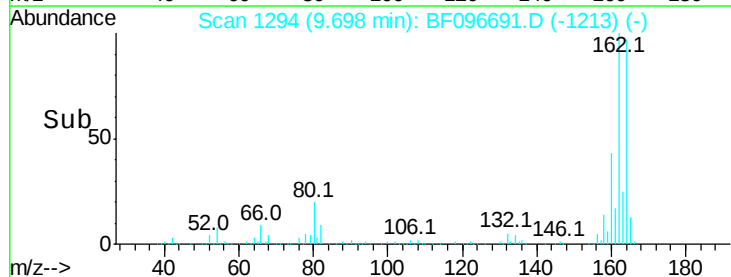
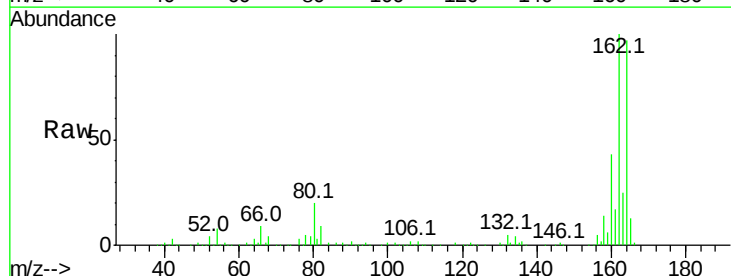
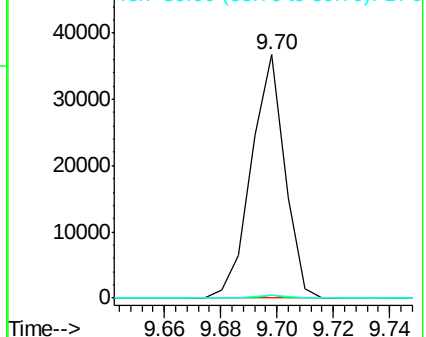
165 100

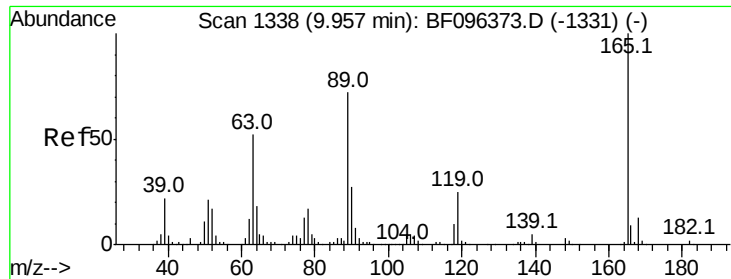
63 1.3 34.3 51.5#

89 1.3 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

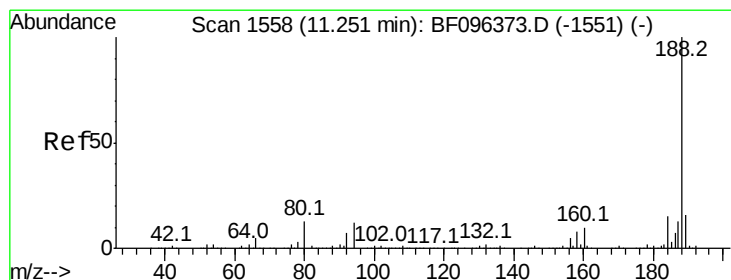
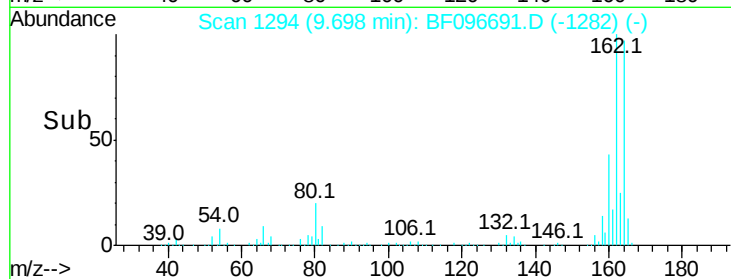
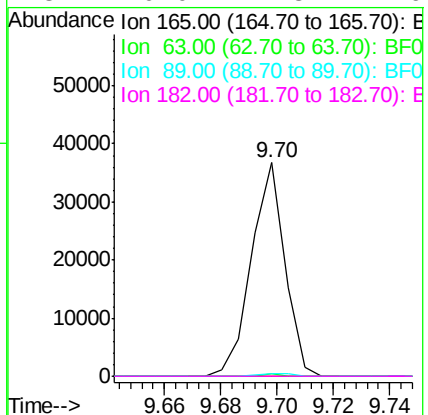
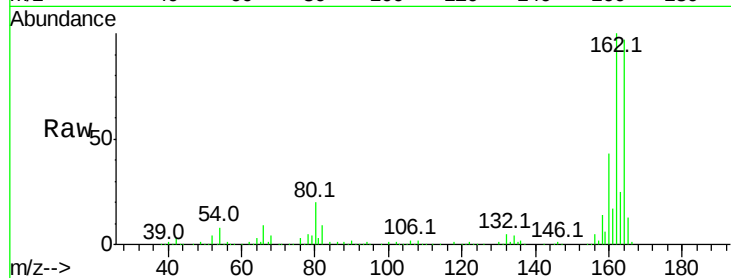




#56
2,4-Dinitrotoluene
Concen: 6.121 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.23 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

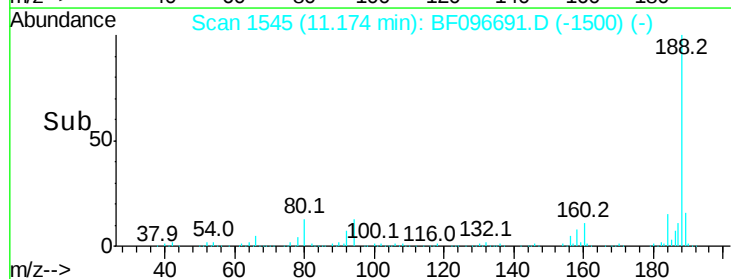
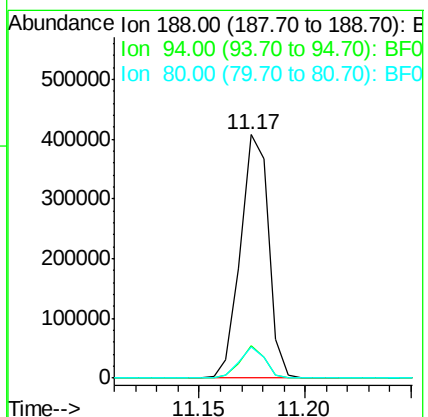
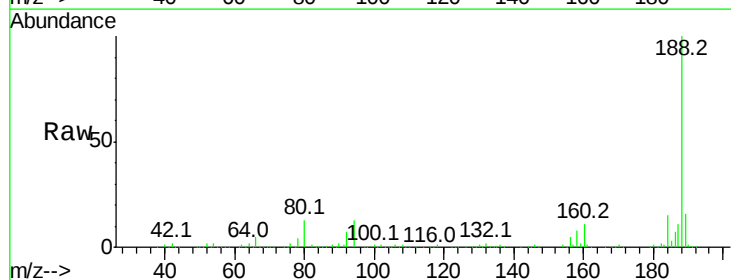
Instrument :
BNA_F
ClientSampleId :

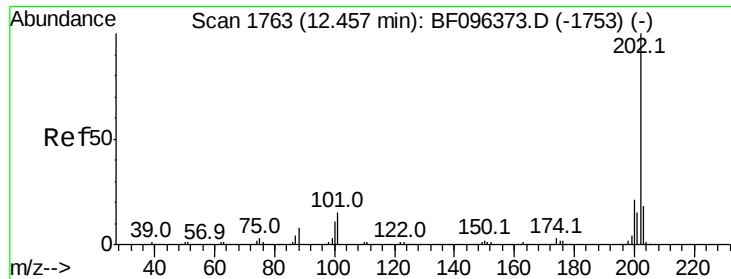
Tot Ion:165 Resp: 30201
Ion Ratio Lower Upper
165 100
63 1.3 25.4 38.0#
89 1.3 46.4 69.6#
182 0.0 1.8 2.6#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.04 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

Tgt Ion:188 Resp: 375540
Ion Ratio Lower Upper
188 100
94 13.5 9.4 14.2
80 12.9 10.2 15.2

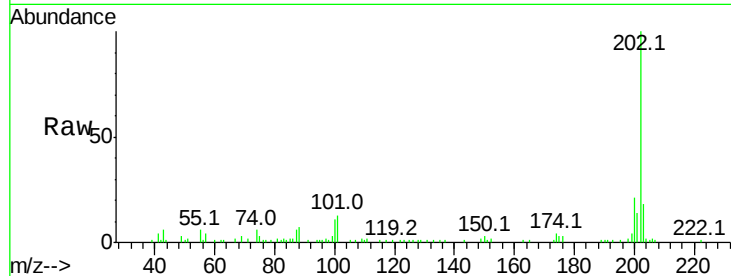




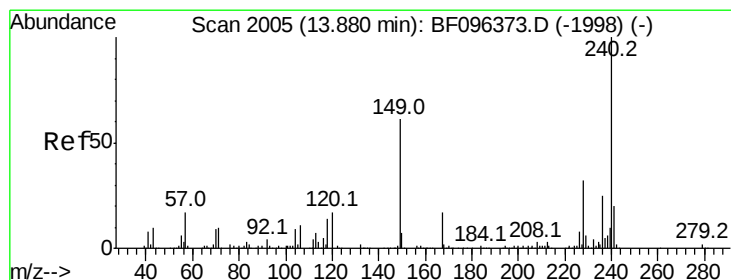
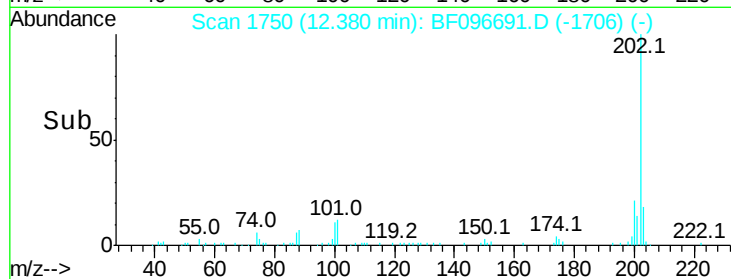
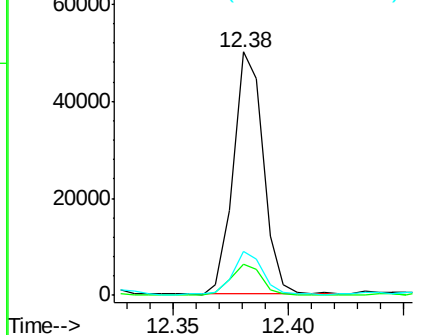
#74
 Fluoranthene
 Concen: 2.260 ng
 RT: 12.38 min Scan# 1750
 Delta R.T. -0.04 min
 Lab File: BF096691.D
 Acq: 12 Jul 2017 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.8	0.0	38.1

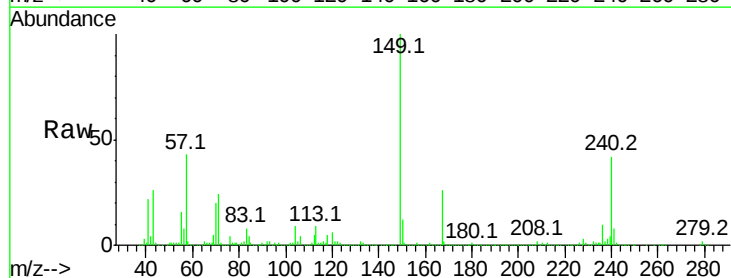


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

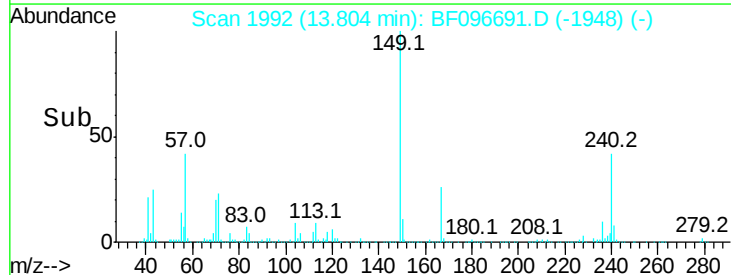
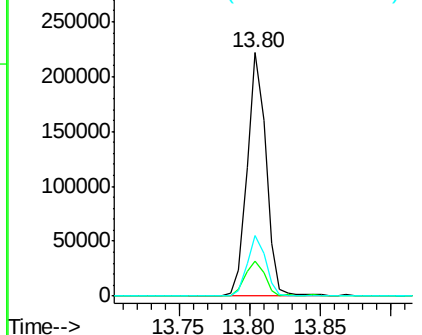


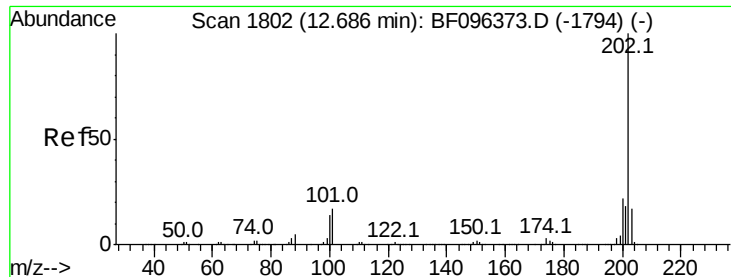
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.04 min
 Lab File: BF096691.D
 Acq: 12 Jul 2017 14:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	24.6	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

Pvrene

Concen: 6.161 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.04 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

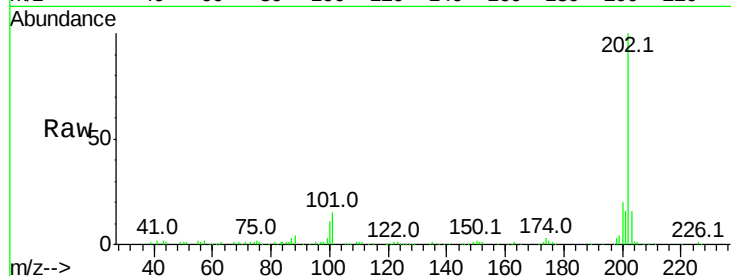
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 103446

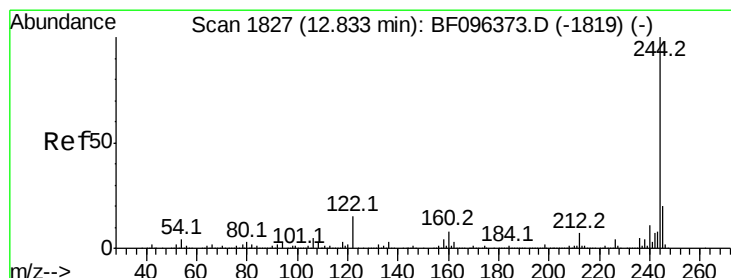
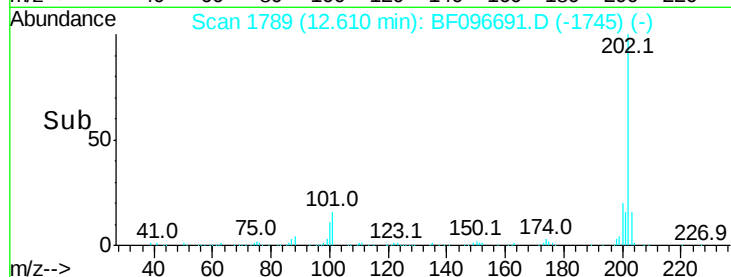
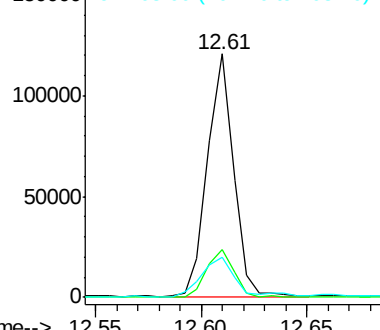
Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.6	26.4
203	16.4	14.4	21.6



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: 39.785 ng

RT: 12.76 min Scan# 1815

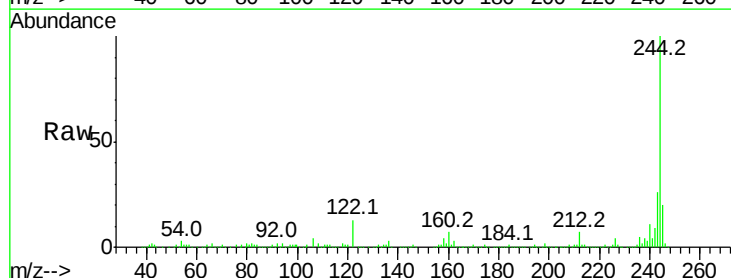
Delta R.T. -0.04 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

Tgt Ion:244 Resp: 389484

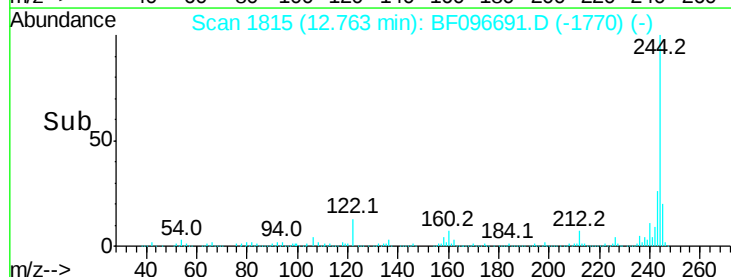
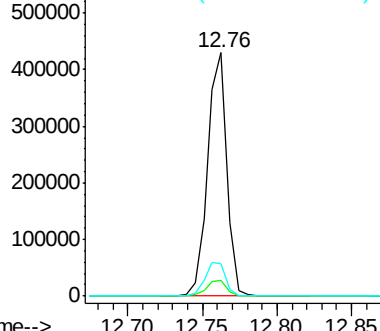
Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.3	10.3	15.5

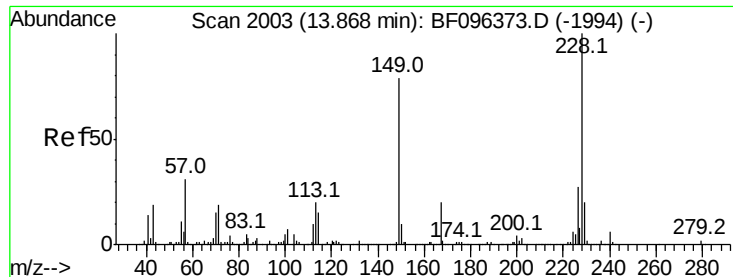


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

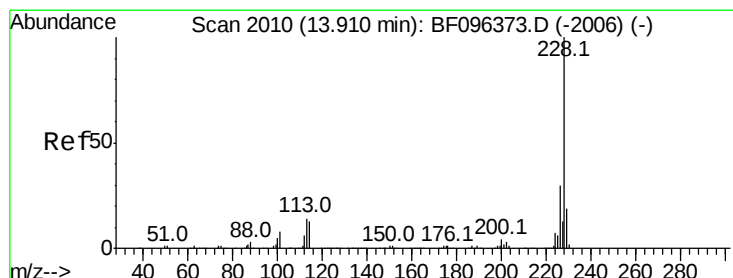
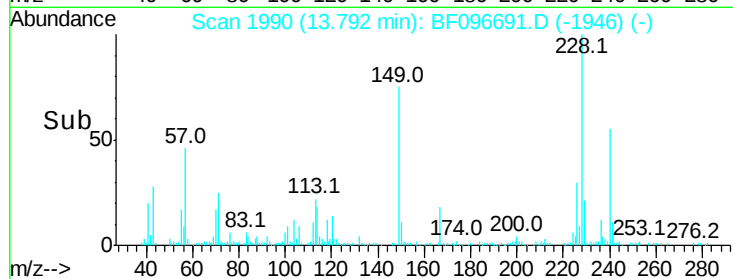
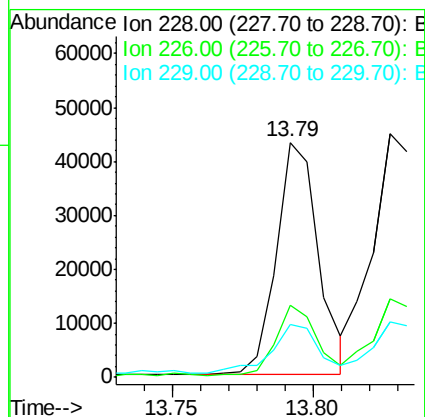
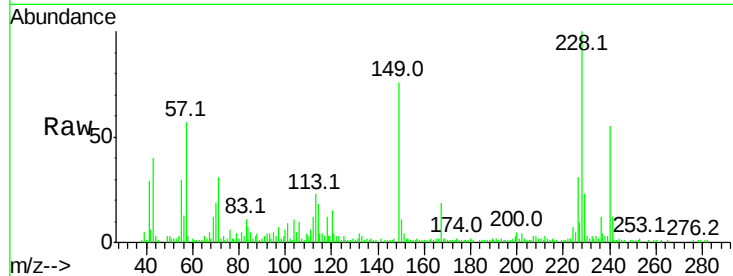




#80
Benzo(a)anthracene
Concen: 3.688 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.04 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

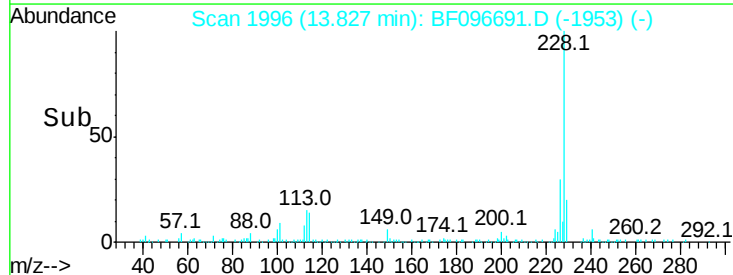
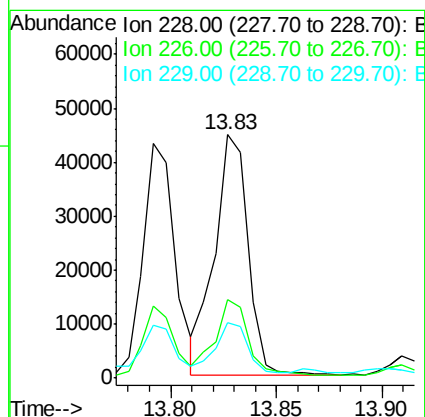
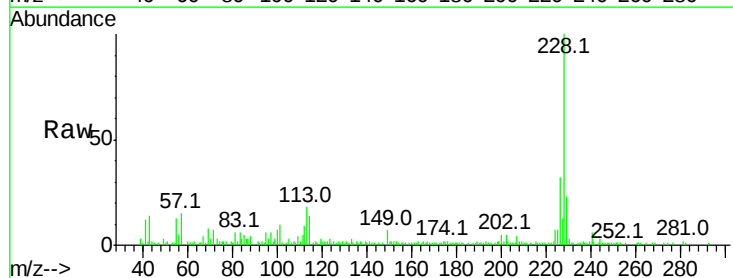
Instrument :
BNA_F
ClientSampled :

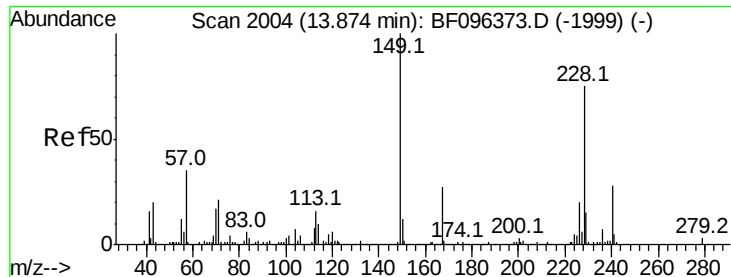
Tot Ion:228 Resp: 44679
Ion Ratio Lower Upper
228 100
226 30.9 22.6 33.8
229 22.7 16.3 24.5



#82
Chrysene
Concen: 3.886 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.05 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

Tgt Ion:228 Resp: 49296
Ion Ratio Lower Upper
228 100
226 32.2 24.9 37.3
229 22.8 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 66.270 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.03 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

Instrument :

BNA_F

ClientSampleId :

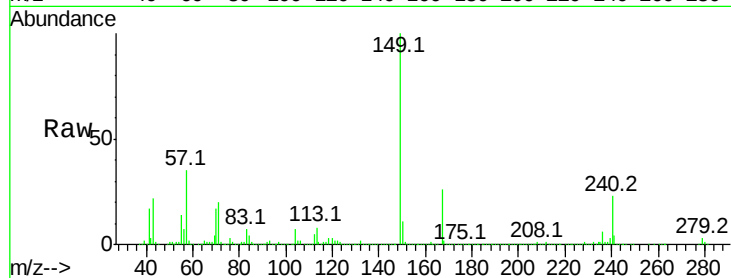
Tot Ion:149 Resp: 628763

Ion Ratio Lower Upper

149 100

167 25.8 21.0 31.4

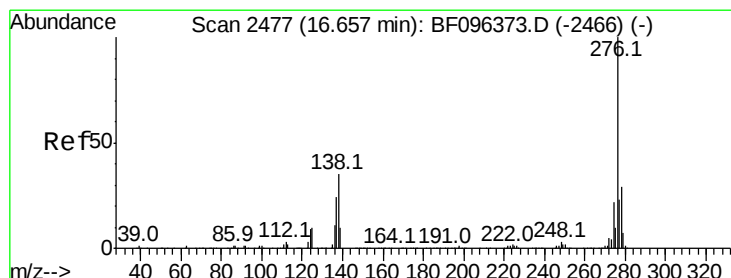
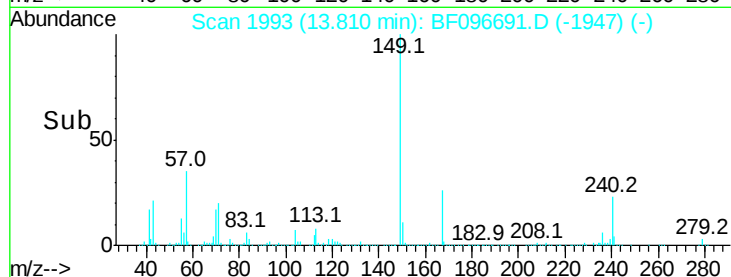
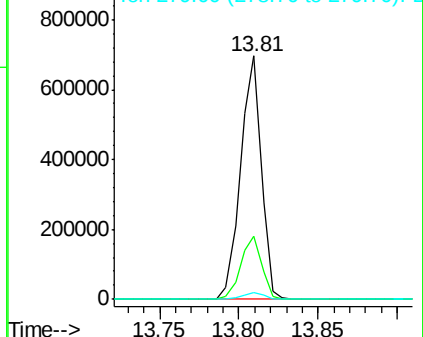
279 2.8 1.9 2.9



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.158 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.08 min

Lab File: BF096691.D

Acq: 12 Jul 2017 14:59

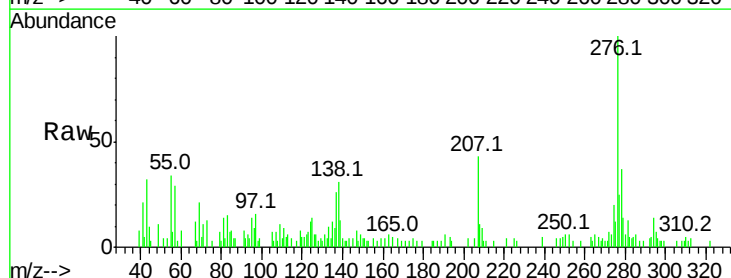
Tgt Ion:276 Resp: 21614

Ion Ratio Lower Upper

276 100

138 44.0 27.8 41.6#

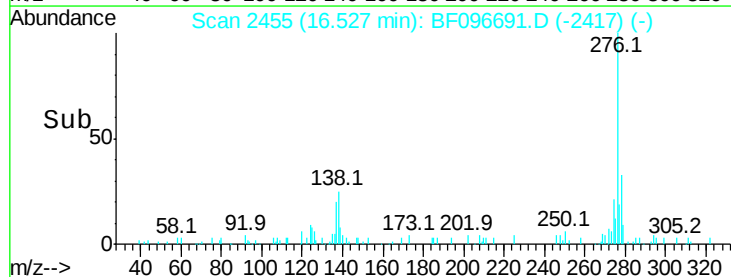
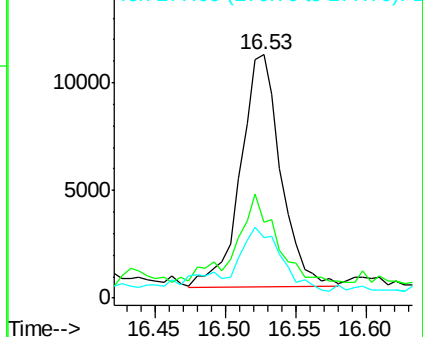
277 26.7 20.2 30.4

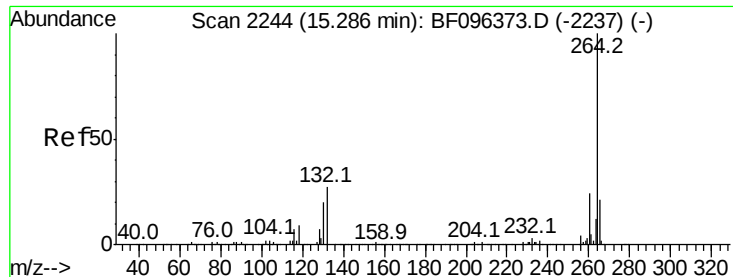


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

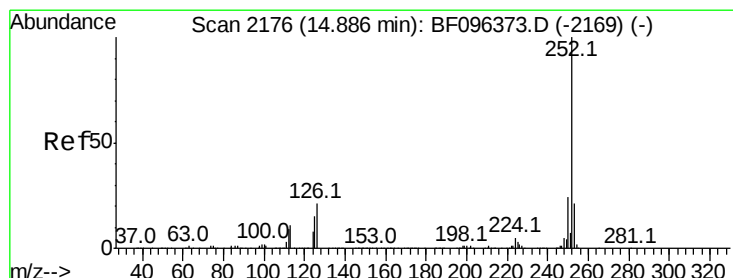
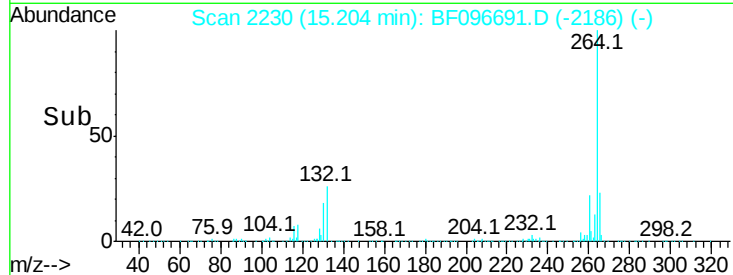
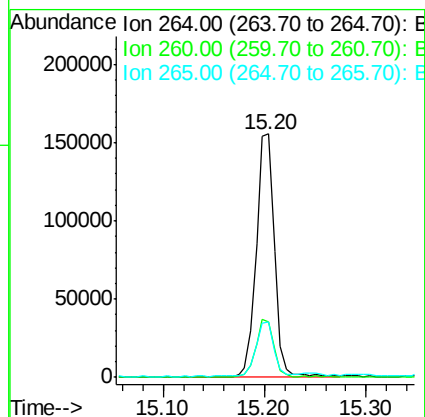
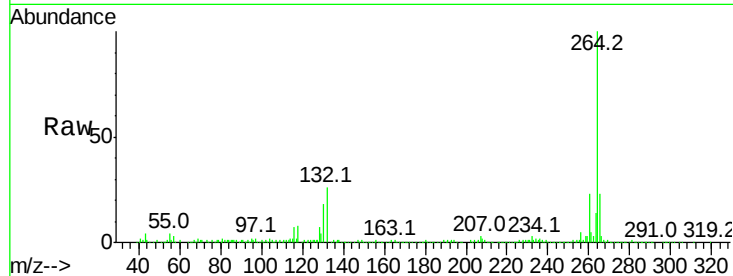




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

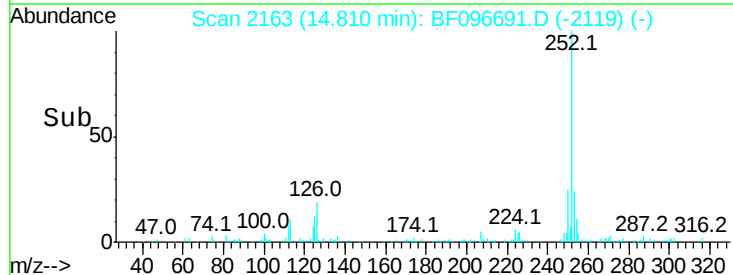
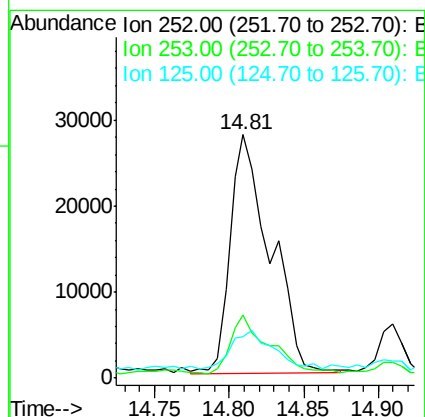
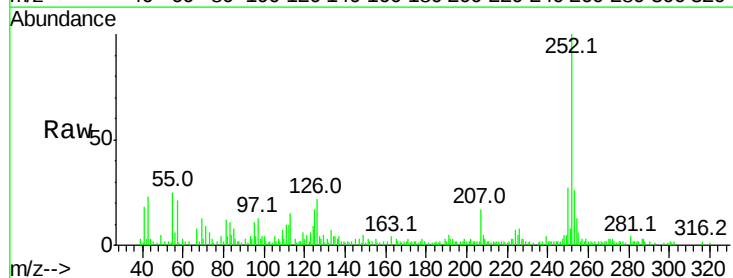
Instrument :
BNA_F
ClientSampleId :

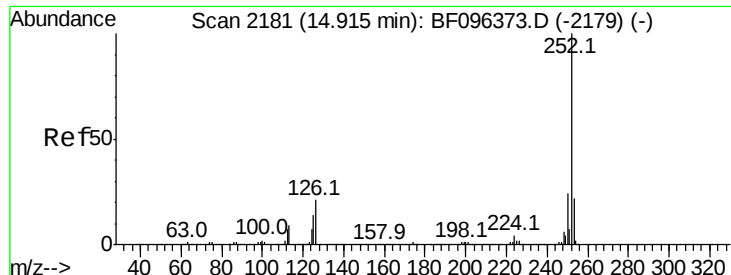
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	23.0	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 4.231 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.1	27.1
125	17.2	9.8	14.8#

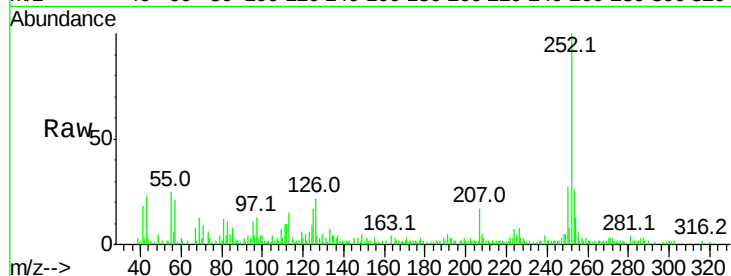




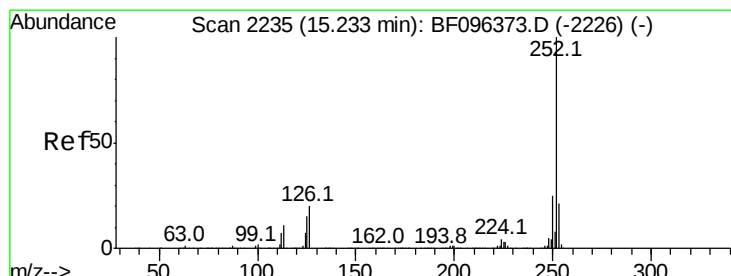
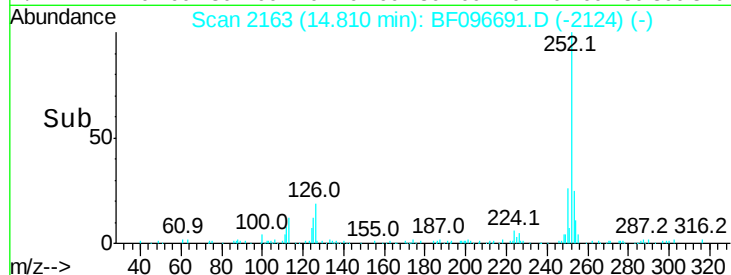
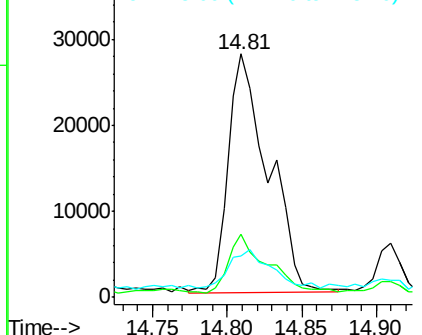
#88
Benzo(k)fluoranthene
Concen: 4.730 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.07 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 51911
Ion Ratio Lower Upper
252 100
253 26.1 18.4 27.6
125 17.2 13.1 19.7

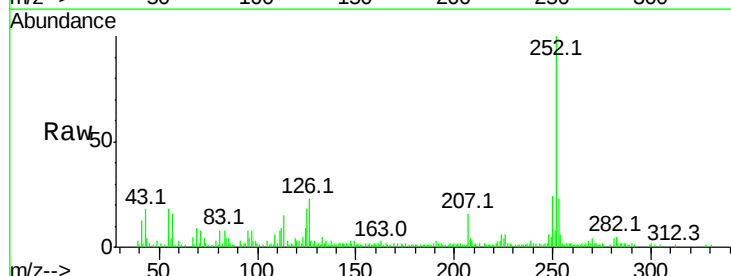


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

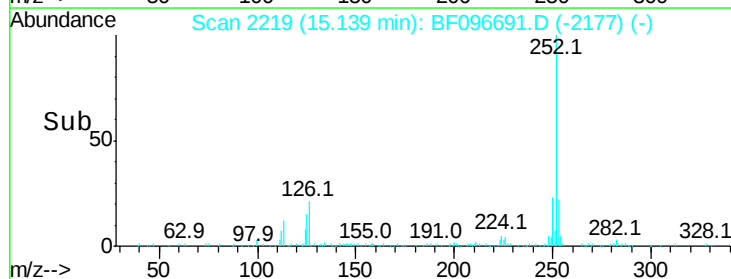
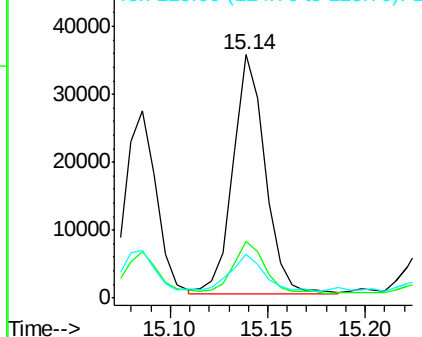


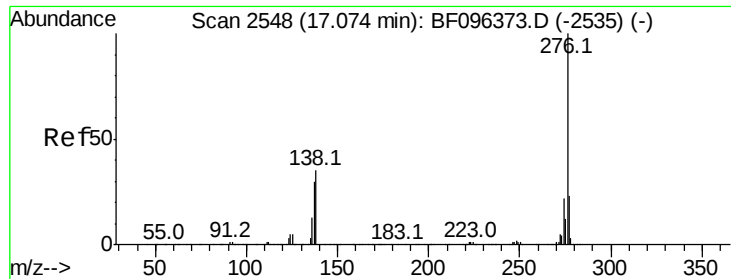
#89
Benzo(a)pyrene
Concen: 3.696 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.05 min
Lab File: BF096691.D
Acq: 12 Jul 2017 14:59

Tgt Ion:252 Resp: 40480
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 18.0 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: 5.468 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. -0.08 min
 Lab File: BF096691.D
 Acq: 12 Jul 2017 14:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 48829
 Ion Ratio Lower Upper
 276 100
 277 25.9 18.6 28.0
 138 43.0 25.4 38.0#

