

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096792.D
 Acq On : 15 Jul 2017 00:51
 Operator : SJ/JU
 Sample : I4187-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 15 01:38:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

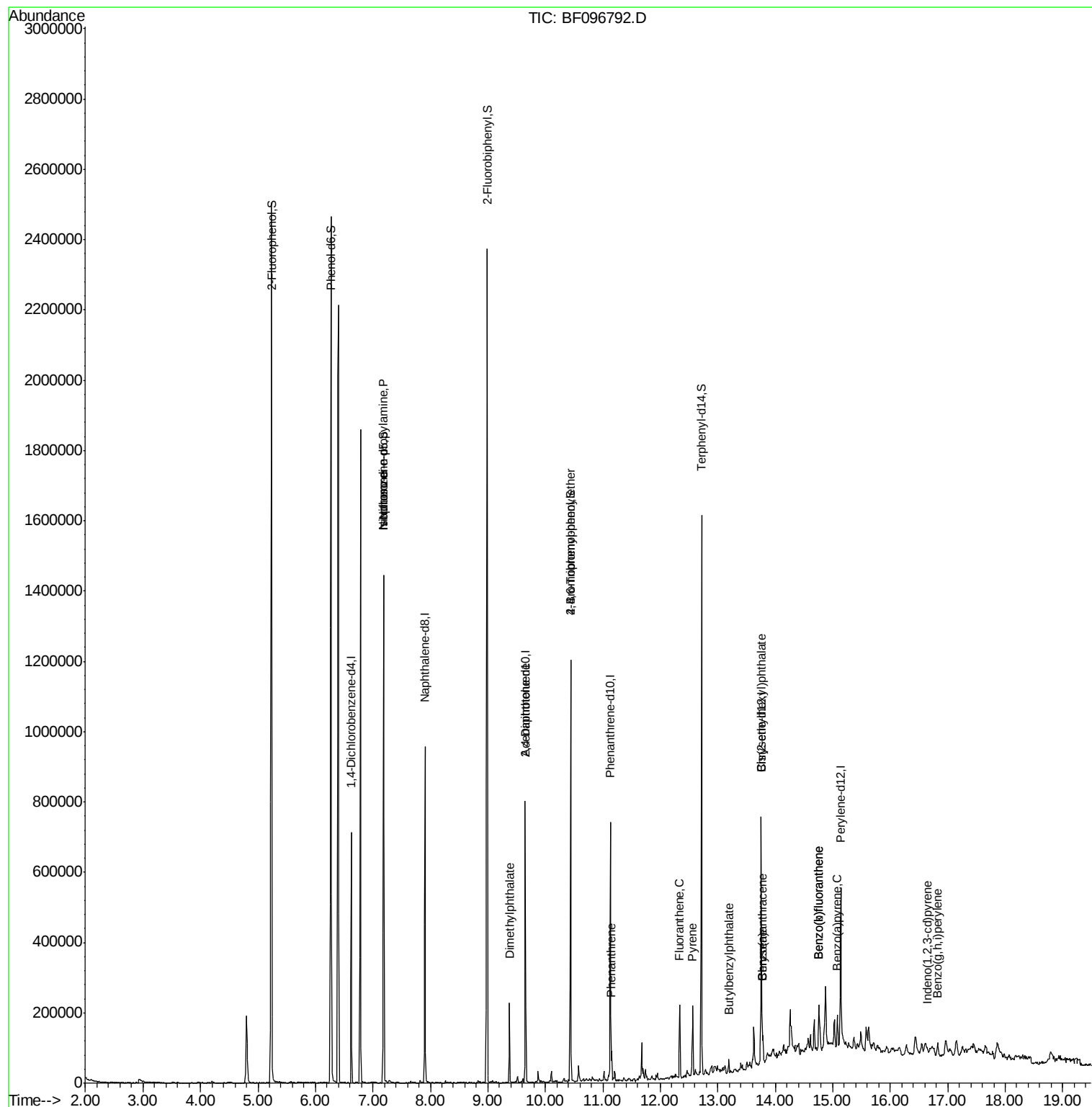
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	99025	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	399904	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	165283	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	267442	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	184656	20.00	ng	-0.02
86) Perylene-d12	15.14	264	184381	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	703225	106.78	ng	0.00
7) Phenol-d6	6.27	99	846716	107.13	ng	0.00
23) Nitrobenzene-d5	7.19	82	419721	65.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	128985	91.42	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	739033	70.64	ng	-0.01
78) Terphenyl-d14	12.72	244	459294	43.14	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	55548	11.67	ng	# 86
25) Isophorone	7.19	82	418892	34.88	ng	# 67
49) Dimethylphthalate	9.37	163	79609	6.40	ng	99
56) 2,4-Dinitrotoluene	9.65	165	21107	6.09	ng	# 32
66) 4-Bromophenyl-phenylether	10.44	248	8040	2.94	ng	# 1
70) Phenanthrene	11.15	178	37674	2.59	ng	94
74) Fluoranthene	12.34	202	83368	5.99	ng	97
77) Pyrene	12.56	202	71905	4.29	ng	98
79) Butylbenzylphthalate	13.19	149	8148	2.05	ng	# 83
80) Benzo(a)anthracene	13.78	228	37232	3.24	ng	94
82) Chrysene	13.78	228	37232	3.29	ng	97
83) Bis(2-ethylhexyl)phthalate	13.76	149	21776	2.25	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.65	276	2555	3.56	ng	96
87) Benzo(b)fluoranthene	14.76	252	77529	6.97	ng	97
88) Benzo(k)fluoranthene	14.76	252	77529	7.36	ng	95
89) Benzo(a)pyrene	15.08	252	37369	3.66	ng	# 94
91) Benzo(a,h,i)perylene	16.82	276	25385	2.53	ng	97

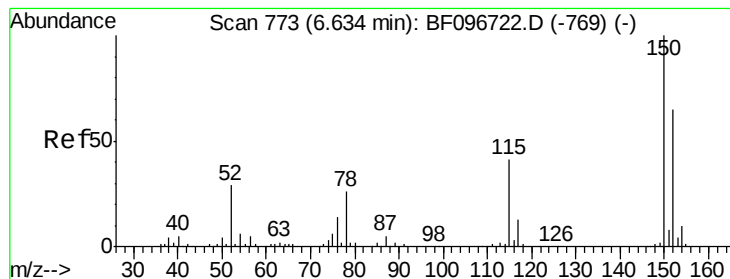
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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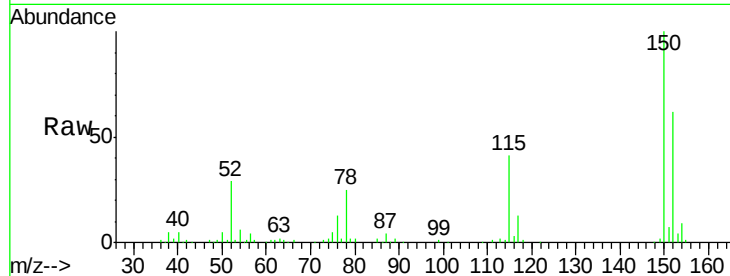


#1

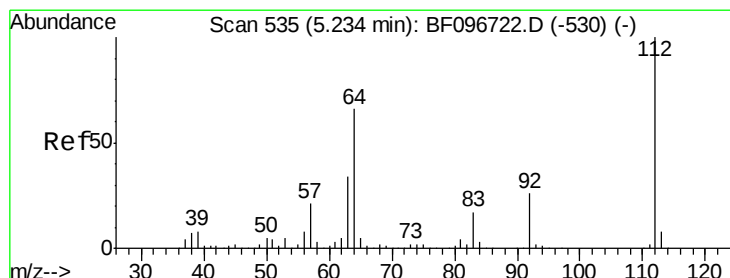
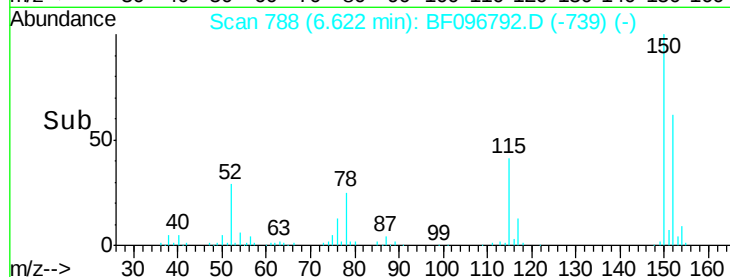
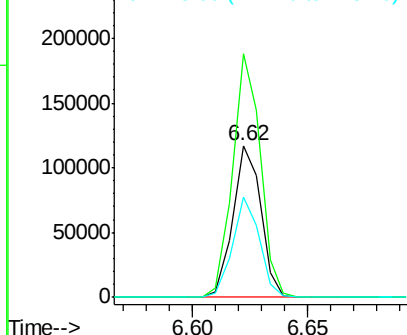
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096792.D
Acq: 15 Jul 2017 00:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 99025
Ion Ratio Lower Upper
152 100
150 160.8 126.2 189.2
115 65.8 52.2 78.2



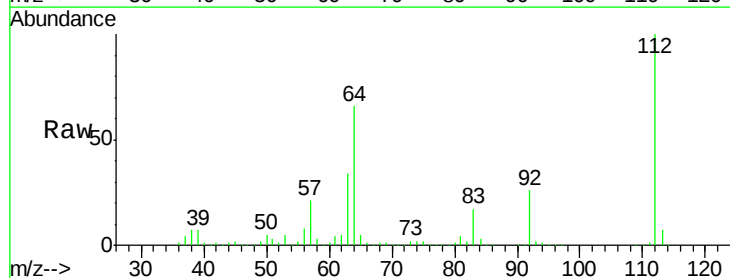
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



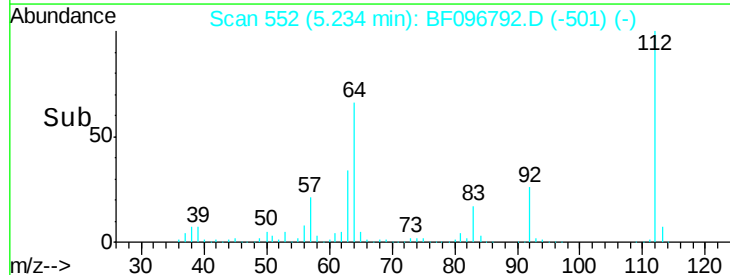
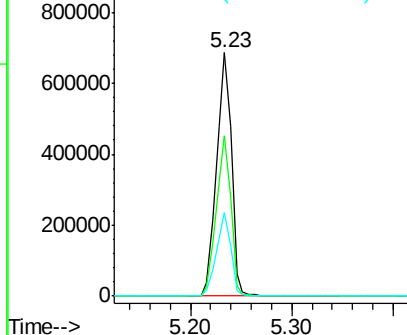
#5

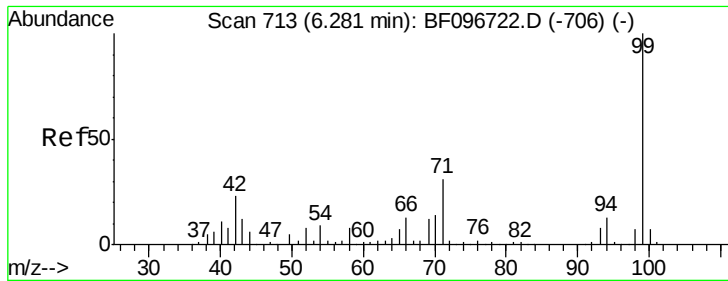
2-Fluorophenol
Concen: 106.78 ng
RT: 5.23 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF096792.D
Acq: 15 Jul 2017 00:51

Tgt Ion:112 Resp: 703225
Ion Ratio Lower Upper
112 100
64 66.1 46.0 69.0
63 34.4 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: 107.13 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampled :

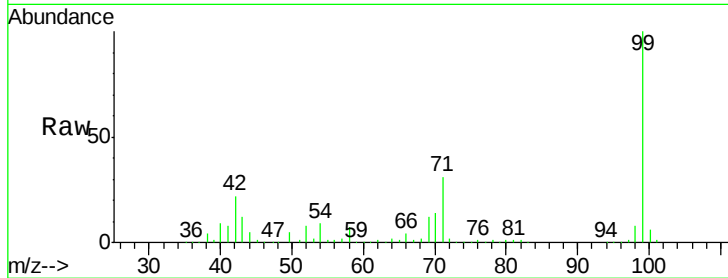
Tot Ion: 99 Resp: 846716

Ion Ratio Lower Upper

99 100

42 21.9 13.5 20.3#

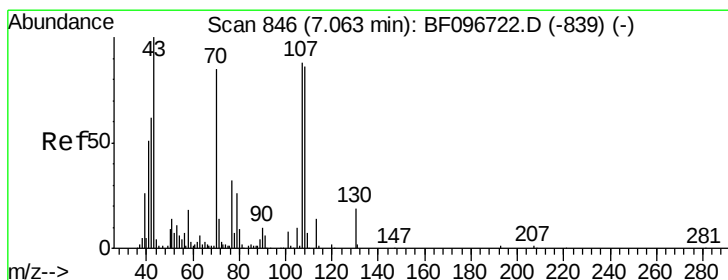
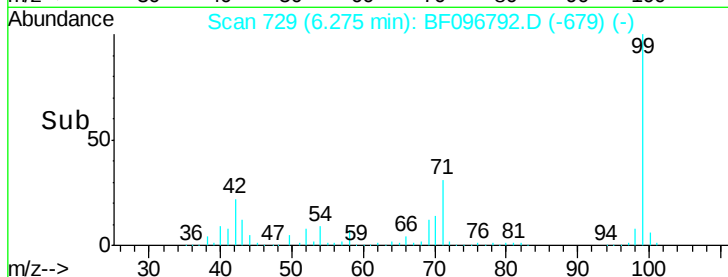
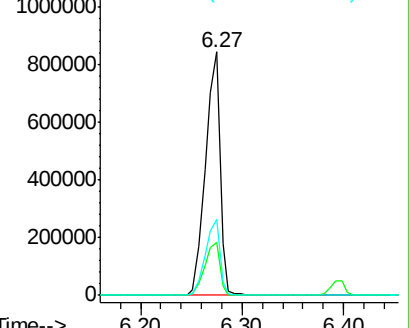
71 31.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.67 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Tgt Ion: 70 Resp: 55548

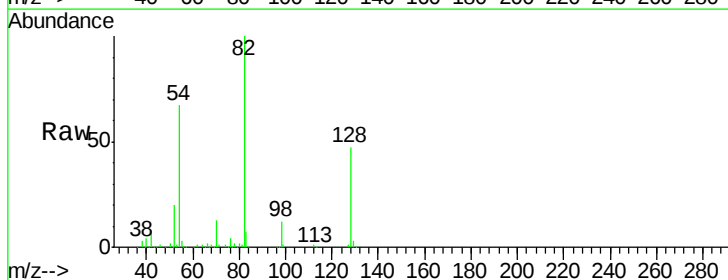
Ion Ratio Lower Upper

70 100

42 56.6 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

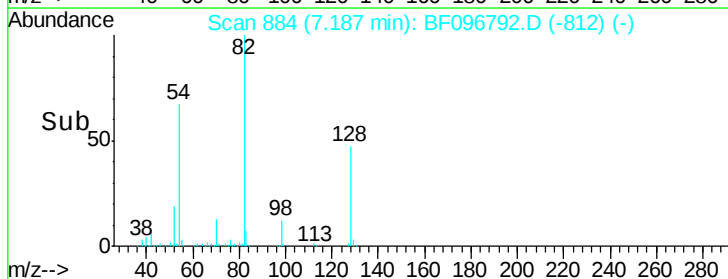
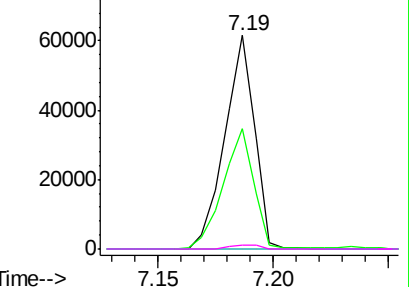


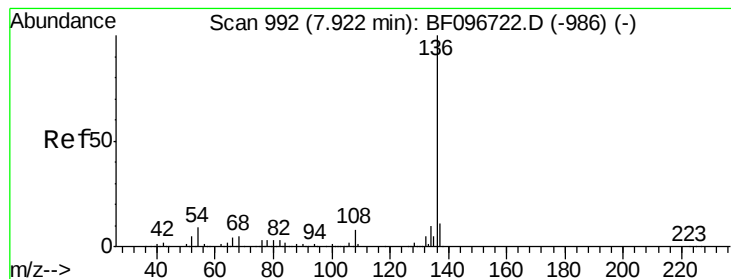
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 7.90 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 399904

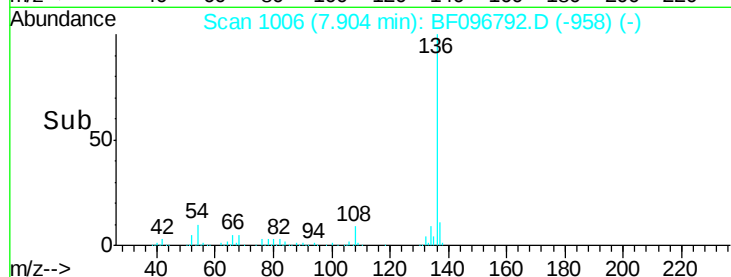
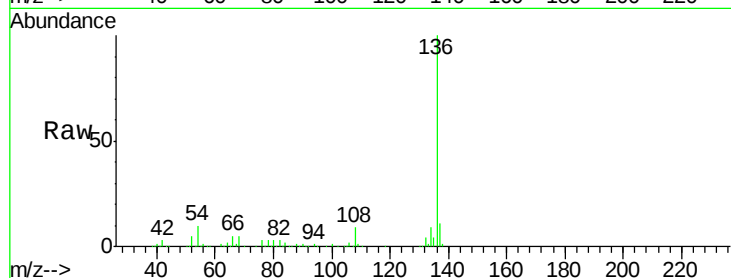
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 10.3 4.9 7.3#

68 5.2 4.1 6.1

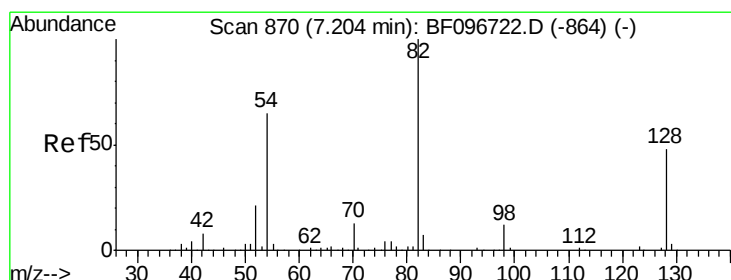
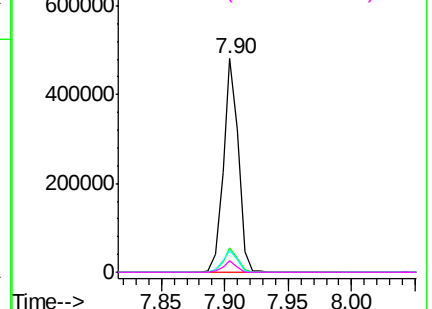


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.01 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

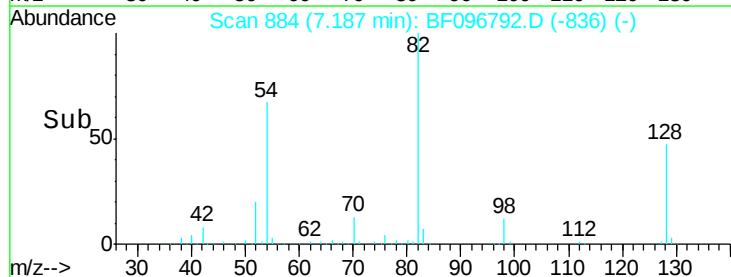
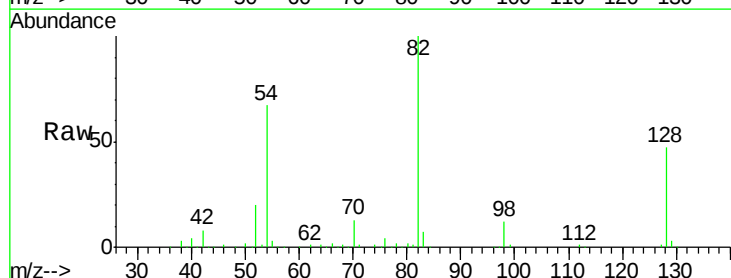
Tgt Ion: 82 Resp: 419721

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

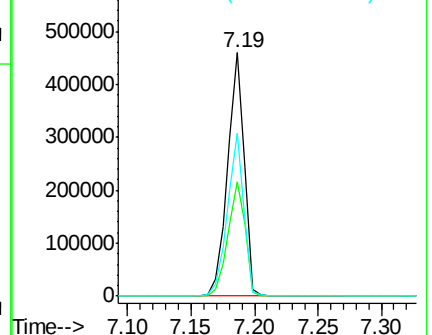
54 67.2 42.2 63.2#

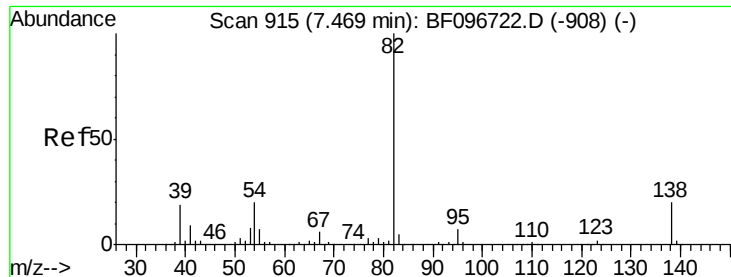


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 34.88 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampleId :

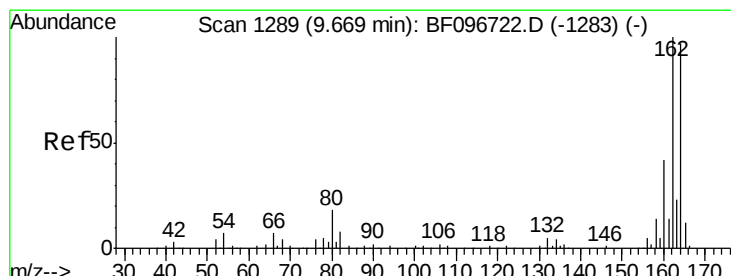
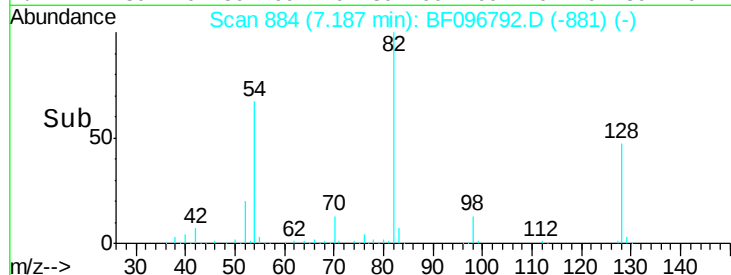
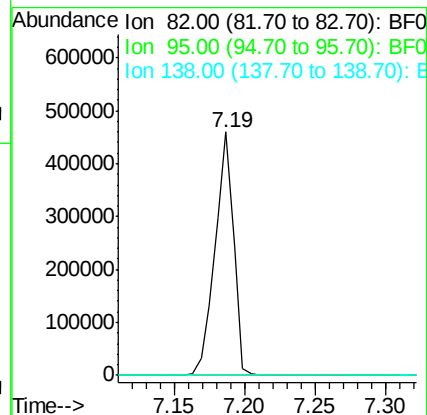
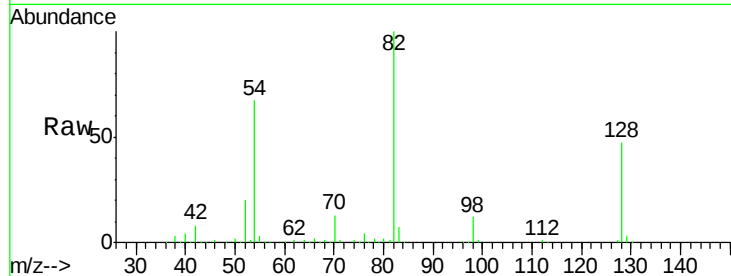
Tot Ion: 82 Resp: 418892

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

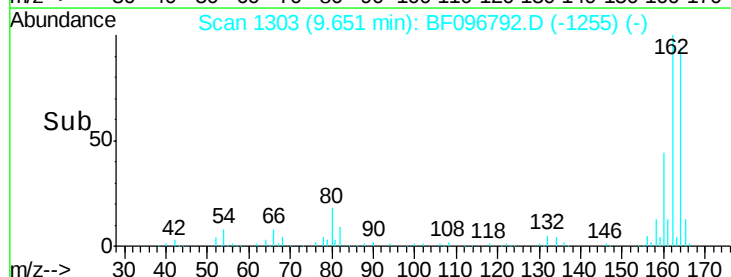
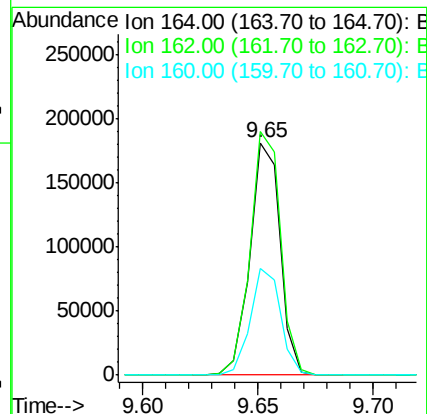
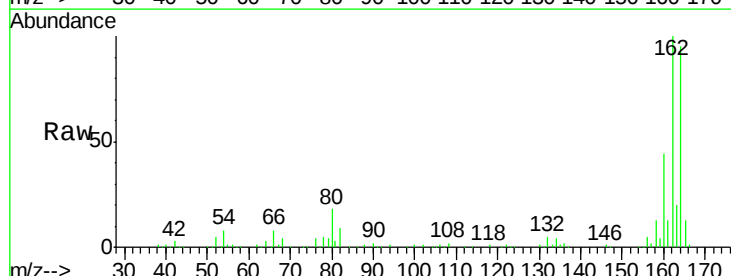
Tgt Ion: 164 Resp: 165283

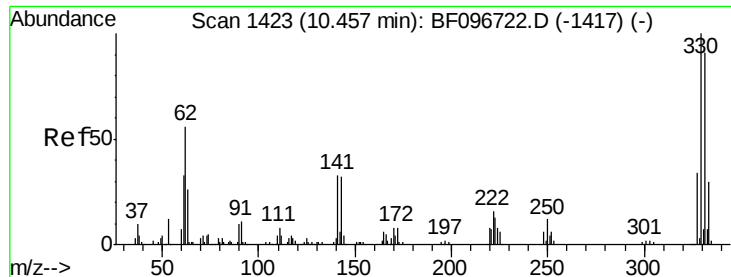
Ion Ratio Lower Upper

164 100

162 104.9 82.6 123.8

160 45.9 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 91.42 ng

RT: 10.44 min Scan# 1437

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampleId :

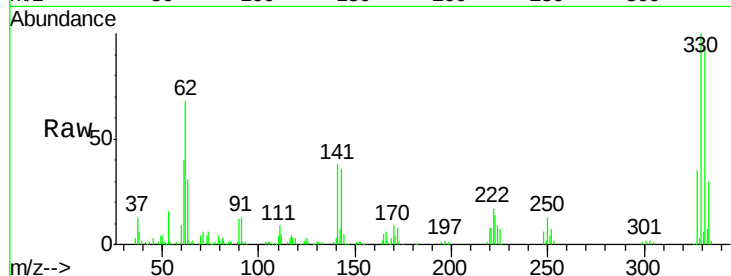
Tot Ion:330 Resp: 128985

Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

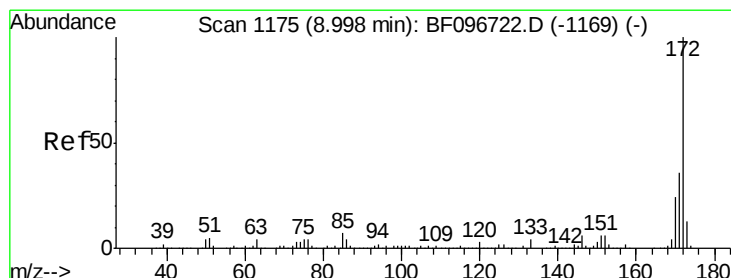
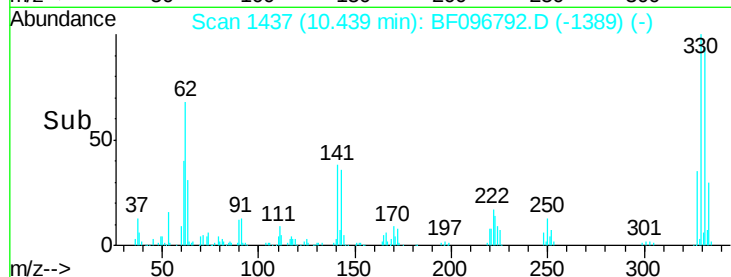
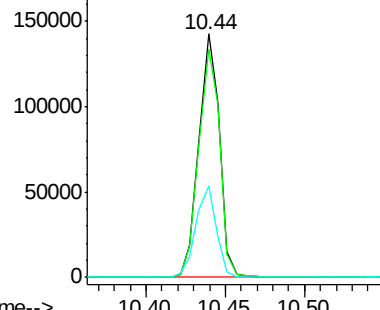
141 37.3 31.4 47.2



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: 70.64 ng

RT: 8.99 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

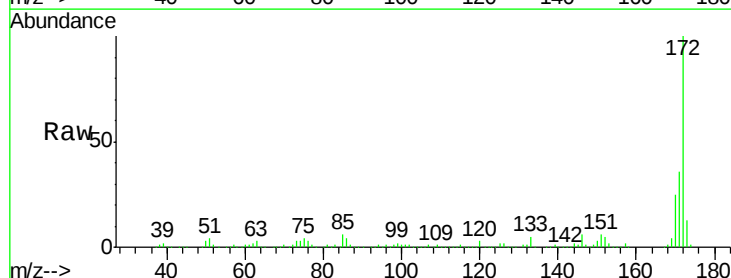
Tgt Ion:172 Resp: 739033

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

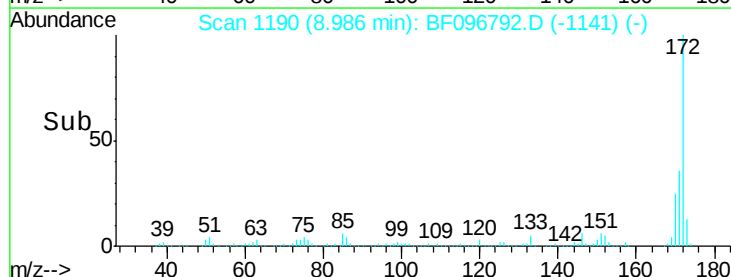
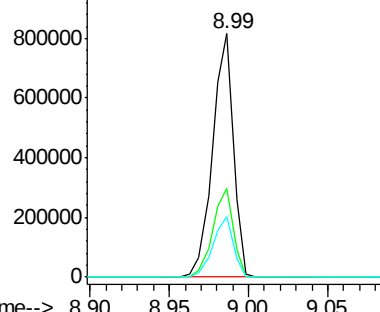
170 24.7 19.8 29.8

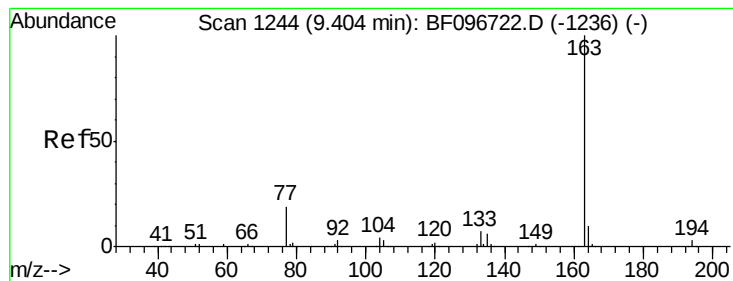


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 6.40 ng

RT: 9.37 min Scan# 1256

Delta R.T. -0.03 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampled :

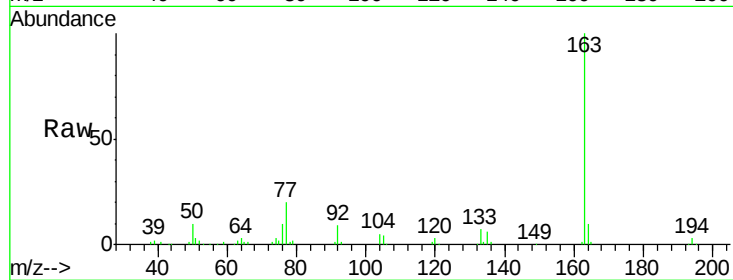
Tot Ion:163 Resp: 79609

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

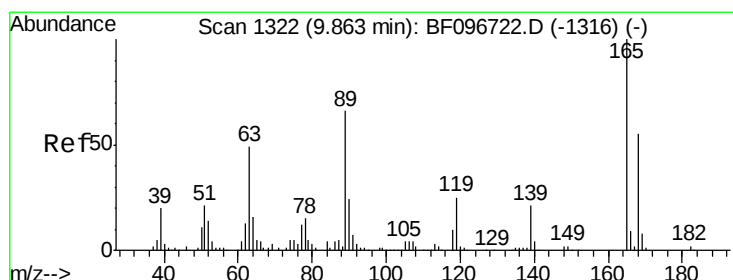
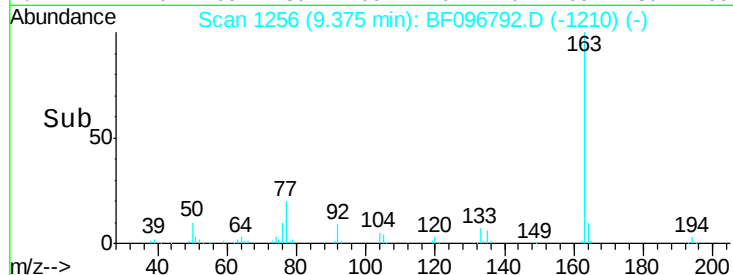
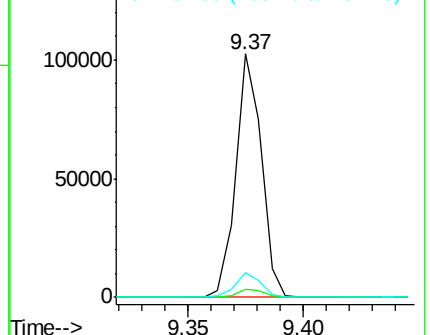
164 10.2 8.4 12.6



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



#56

2,4-Dinitrotoluene

Concen: 6.09 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Tgt Ion:165 Resp: 21107

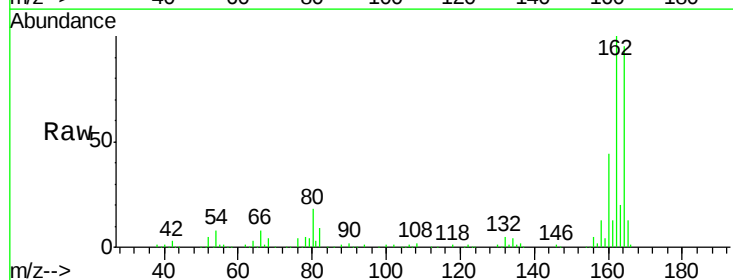
Ion Ratio Lower Upper

165 100

63 2.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

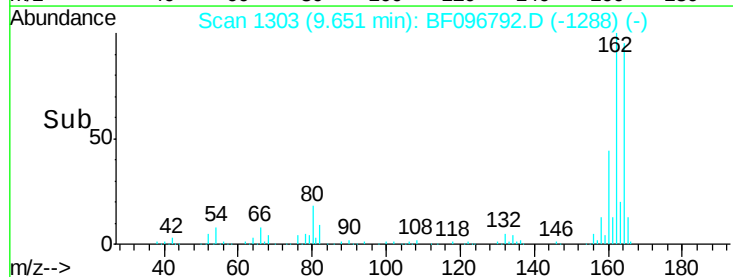
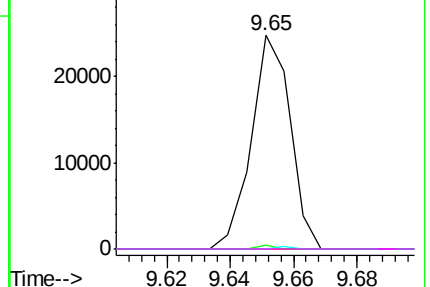


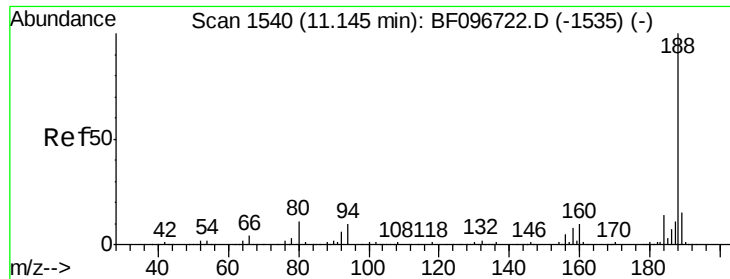
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

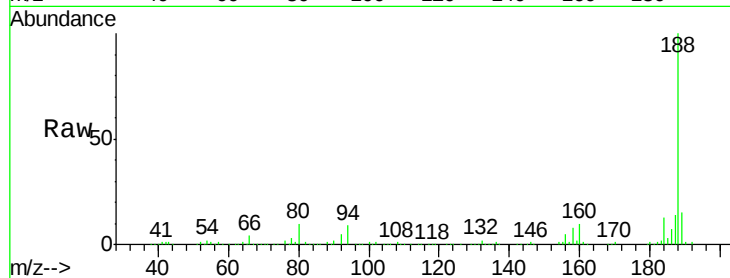




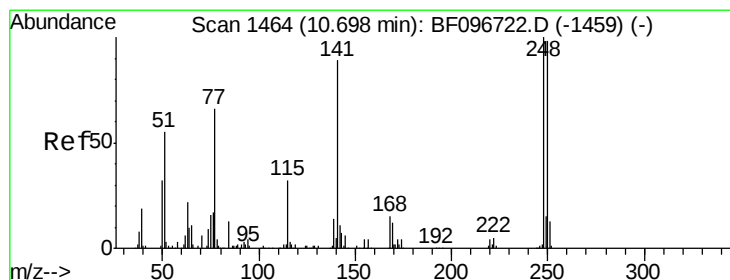
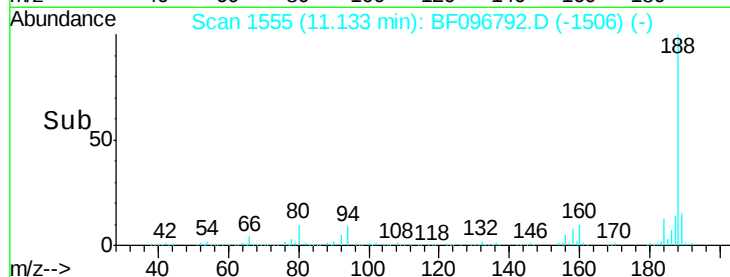
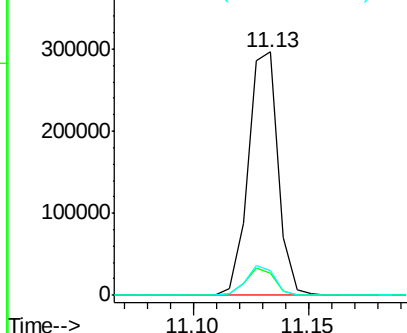
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF096792.D
 Acq: 15 Jul 2017 00:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 267442
 Ion Ratio Lower Upper
 188 100
 94 9.3 9.4 14.2#
 80 9.9 10.2 15.2#

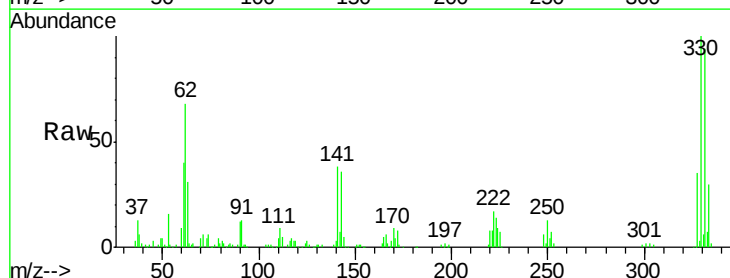


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

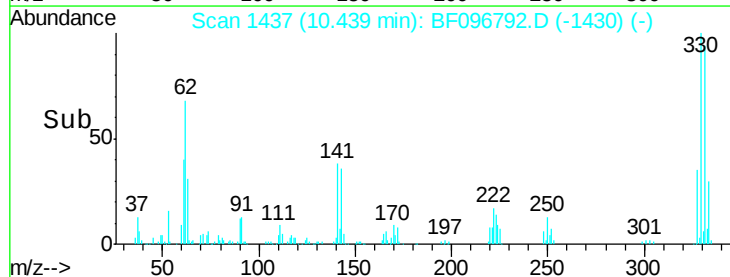
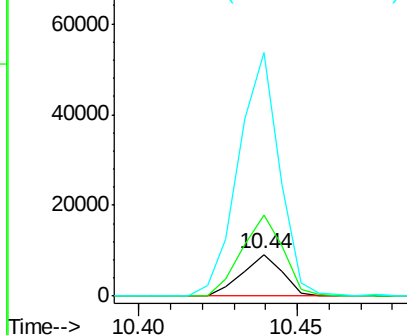


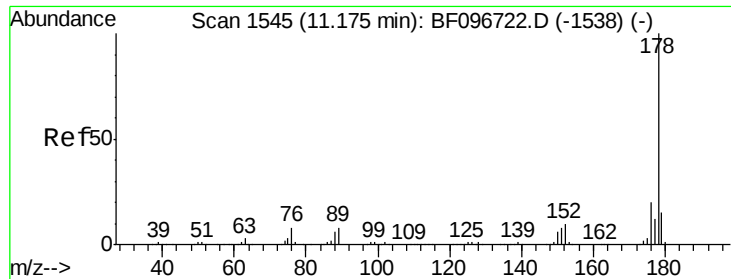
#66
 4-Bromophenyl-phenylether
 Concen: 2.94 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.26 min
 Lab File: BF096792.D
 Acq: 15 Jul 2017 00:51

Tgt Ion:248 Resp: 8040
 Ion Ratio Lower Upper
 248 100
 250 195.0 76.8 115.2#
 141 582.9 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: 2.59 ng

RT: 11.15 min Scan# 1558

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampleId :

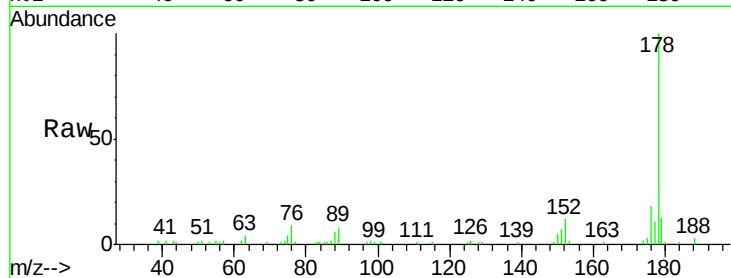
Tot Ion:178 Resp: 37674

Ion Ratio Lower Upper

178 100

176 18.2 16.2 24.4

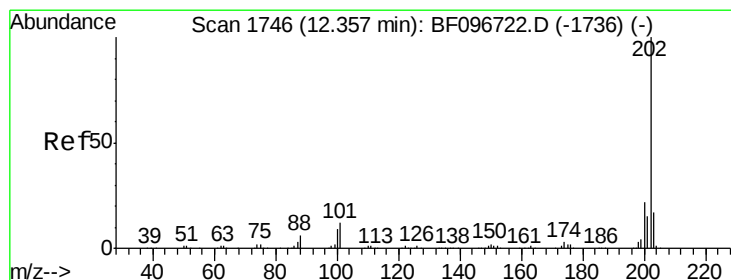
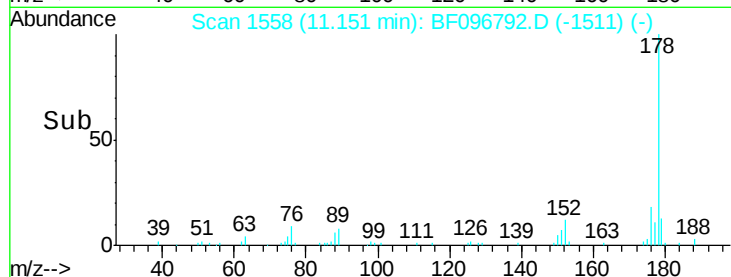
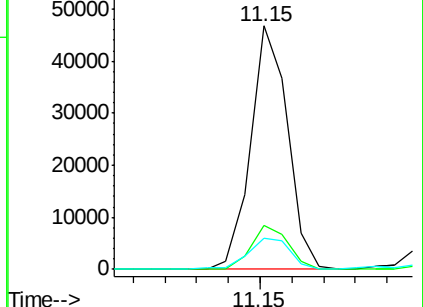
179 12.7 12.6 19.0



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: 5.99 ng

RT: 12.34 min Scan# 1760

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

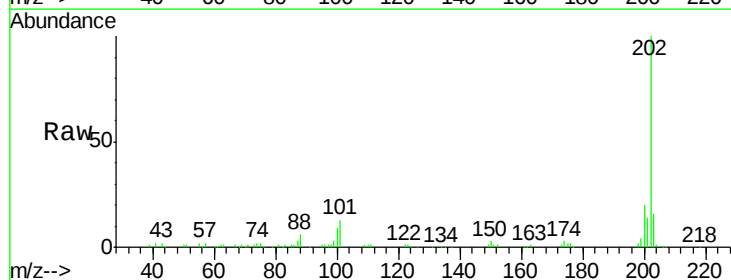
Tgt Ion:202 Resp: 83368

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

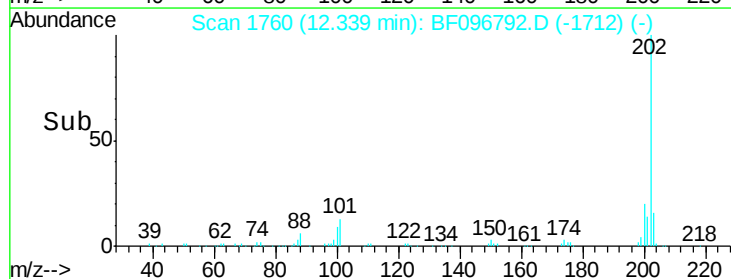
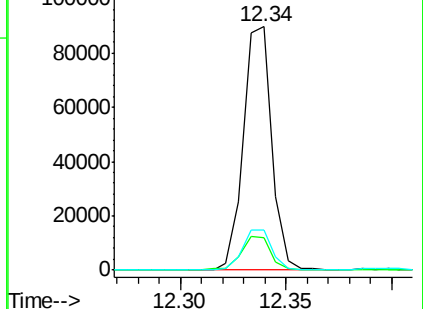
203 16.3 0.0 38.1

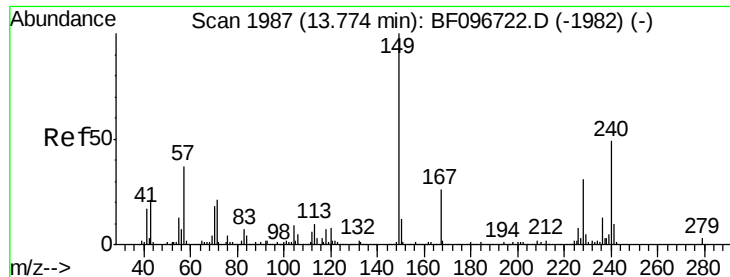


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.76 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampled :

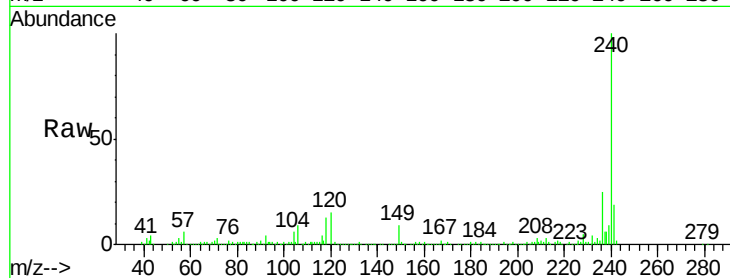
Tot Ion:240 Resp: 184656

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

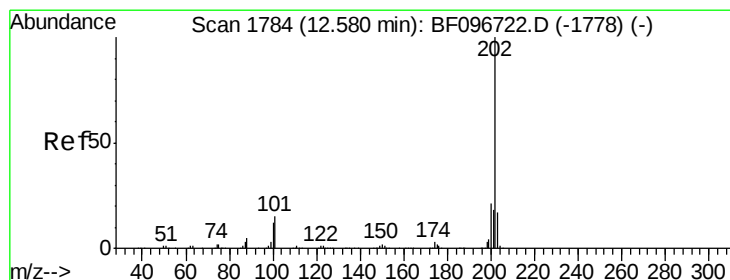
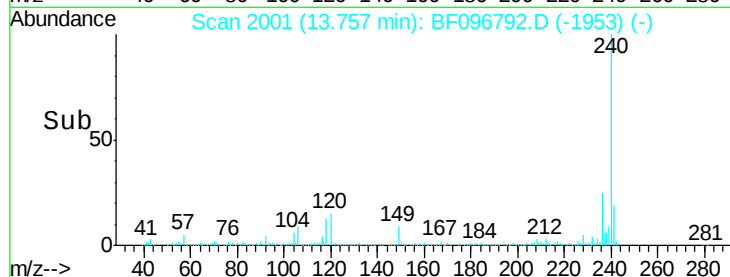
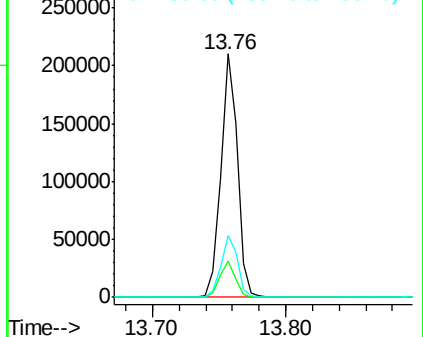
236 25.3 20.5 30.7



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: 4.29 ng

RT: 12.56 min Scan# 1798

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

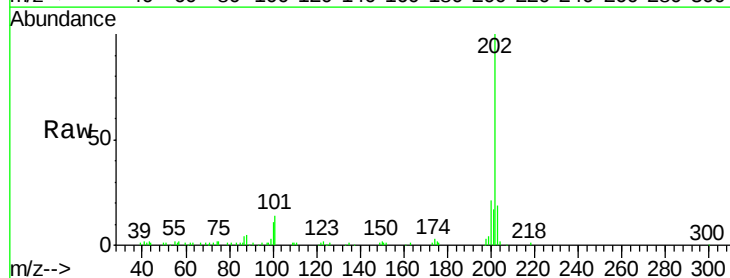
Tgt Ion:202 Resp: 71905

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

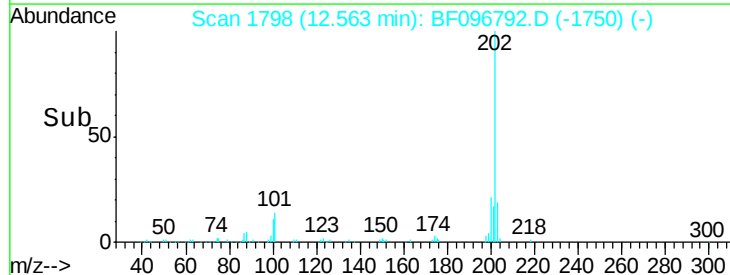
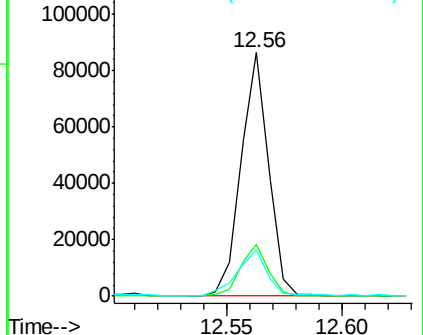
203 19.0 14.4 21.6

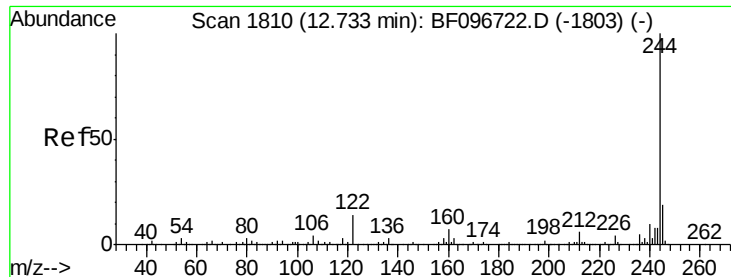


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.14 ng

RT: 12.72 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampleId :

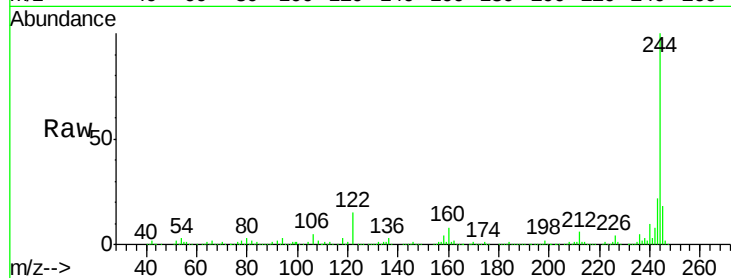
Tot Ion:244 Resp: 459294

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

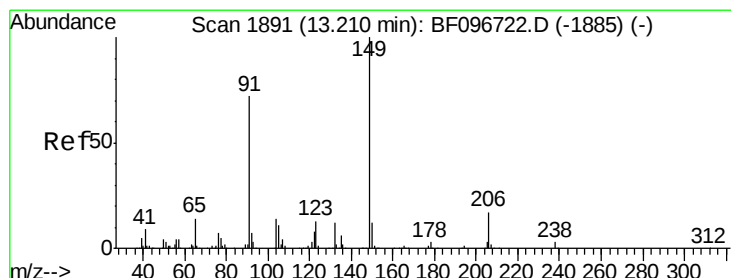
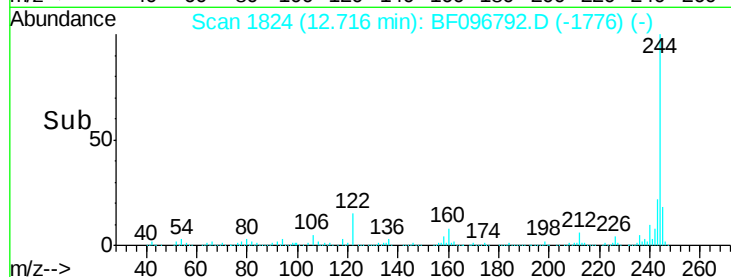
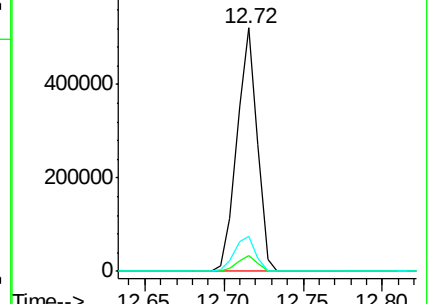
122 14.6 10.3 15.5



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



#79

Butylbenzylphthalate

Concen: 2.05 ng

RT: 13.19 min Scan# 1905

Delta R.T. -0.02 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

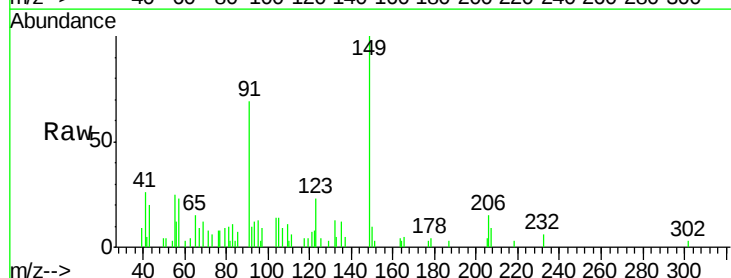
Tgt Ion:149 Resp: 8148

Ion Ratio Lower Upper

149 100

91 69.3 45.0 67.4#

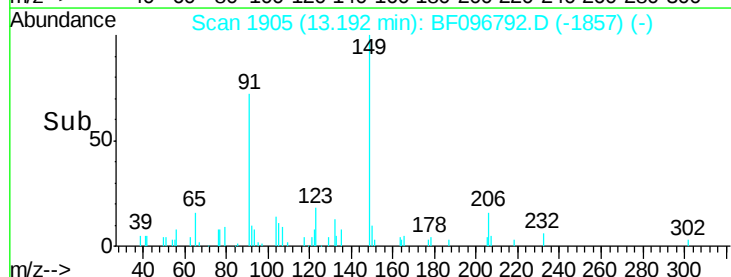
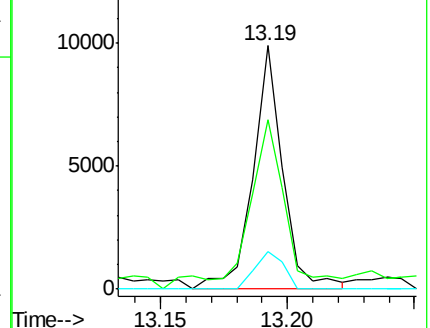
206 15.2 17.0 25.6#

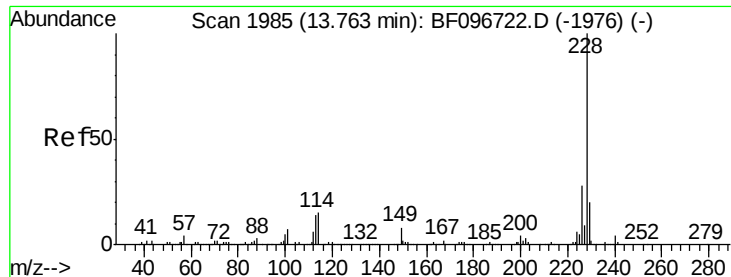


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

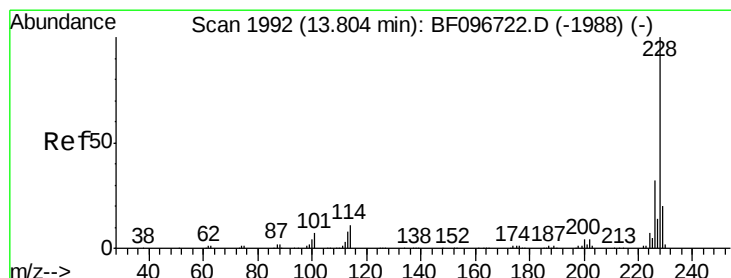
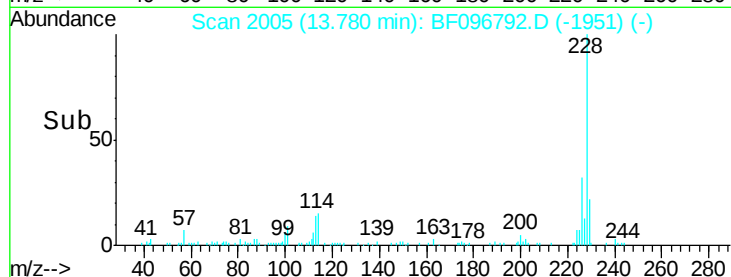
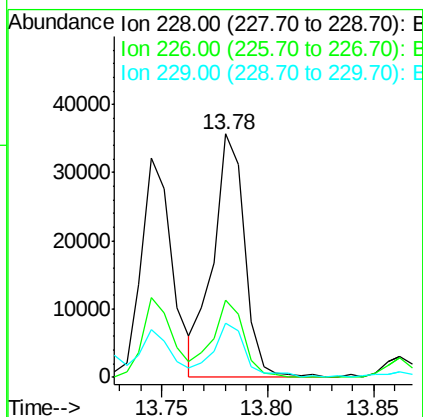
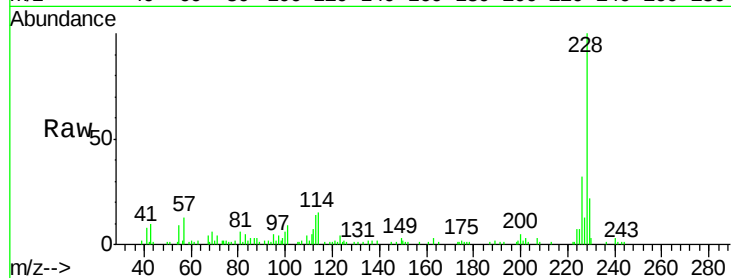




#80
Benzo(a)anthracene
Concen: 3.24 ng
RT: 13.78 min Scan# 2005
Delta R.T. 0.02 min
Lab File: BF096792.D
Acq: 15 Jul 2017 00:51

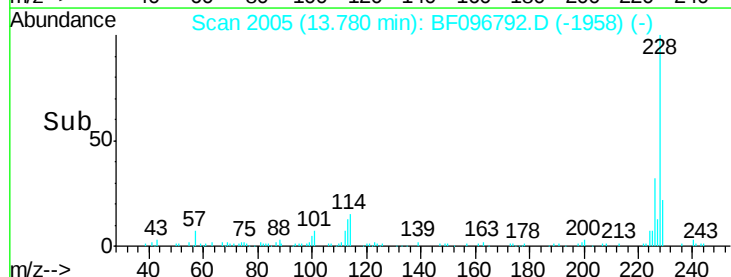
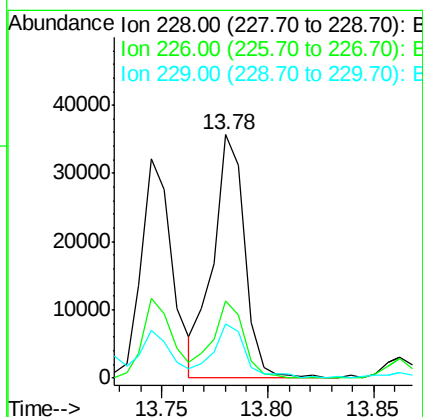
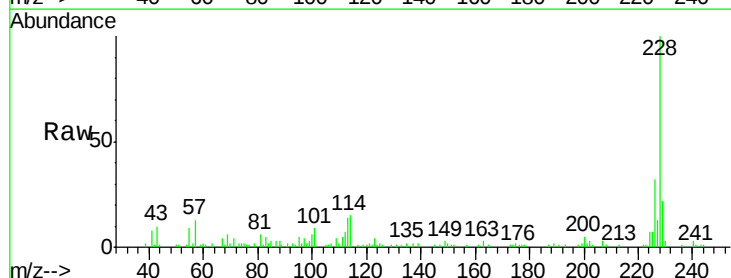
Instrument :
BNA_F
ClientSampled :

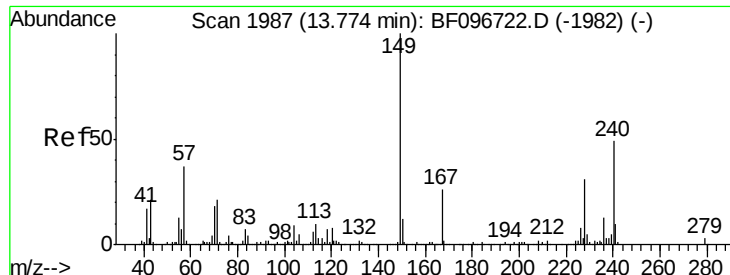
Tot Ion:228 Resp: 37232
Ion Ratio Lower Upper
228 100
226 31.9 22.6 33.8
229 22.0 16.3 24.5



#82
Chrysene
Concen: 3.29 ng
RT: 13.78 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF096792.D
Acq: 15 Jul 2017 00:51

Tgt Ion:228 Resp: 37232
Ion Ratio Lower Upper
228 100
226 31.9 24.9 37.3
229 22.0 15.8 23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.25 ng

RT: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

Instrument :

BNA_F

ClientSampleId :

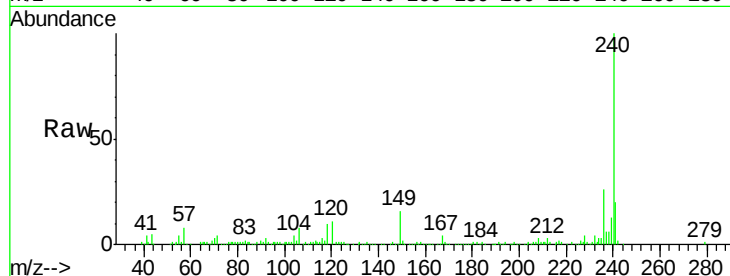
Tot Ion:149 Resp: 21776

Ion Ratio Lower Upper

149 100

167 24.9 21.0 31.4

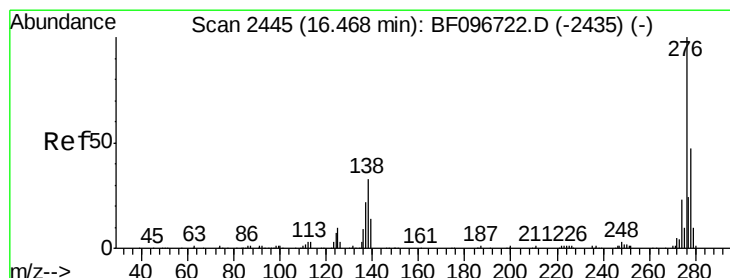
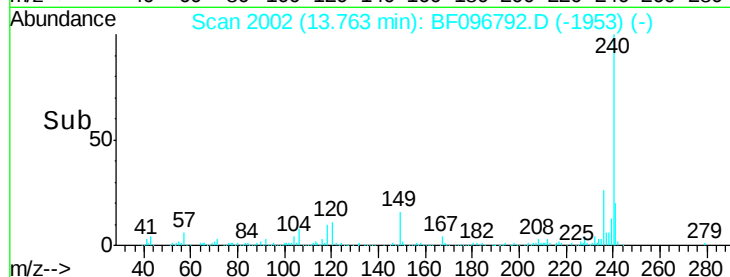
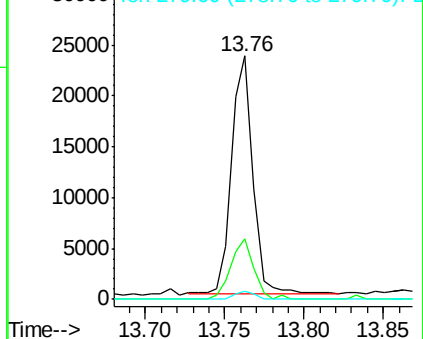
279 3.2 1.9 2.9#



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: 3.56 ng

RT: 16.65 min Scan# 2493

Delta R.T. 0.18 min

Lab File: BF096792.D

Acq: 15 Jul 2017 00:51

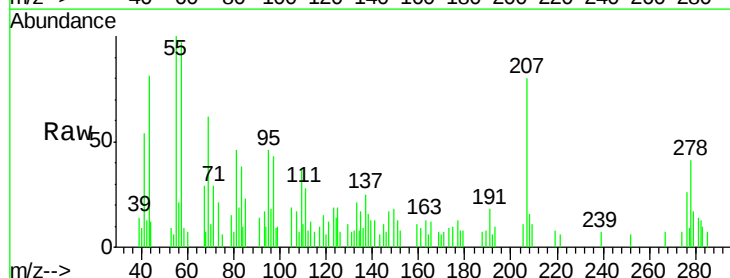
Tgt Ion:276 Resp: 2555

Ion Ratio Lower Upper

276 100

138 33.5 27.8 41.6

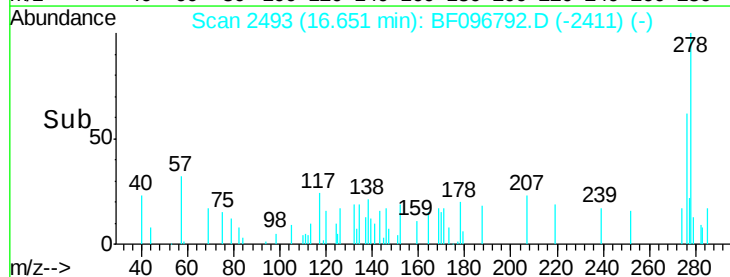
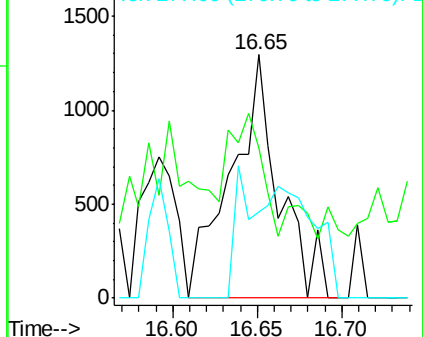
277 21.8 20.2 30.4

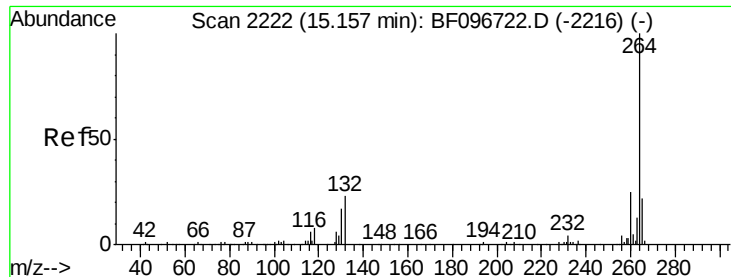


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

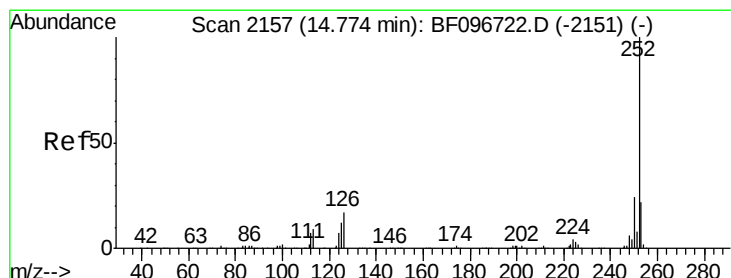
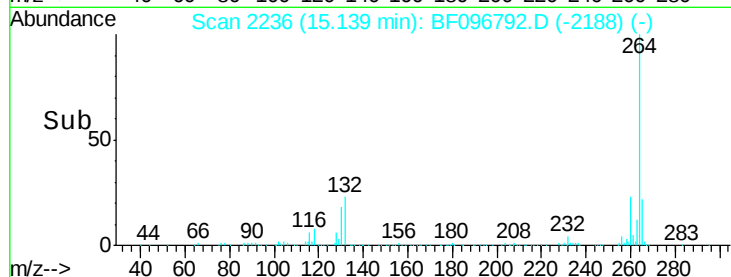
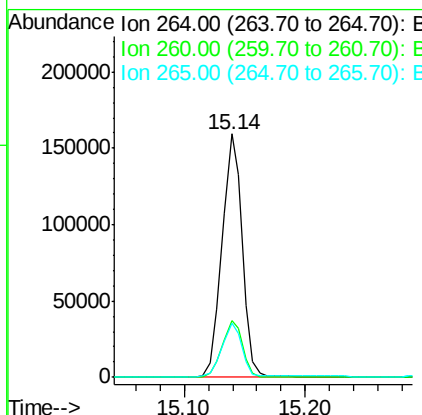
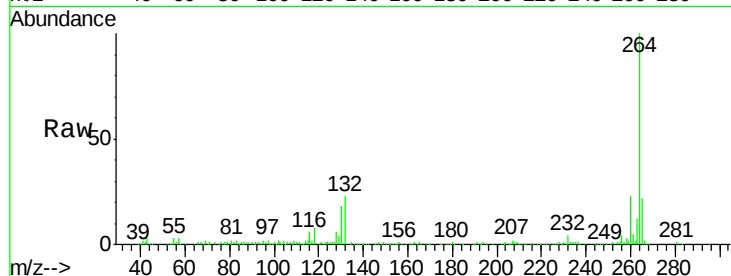




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF096792.D
Acq: 15 Jul 2017 00:51

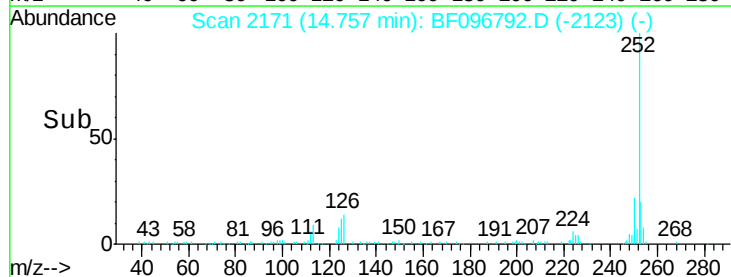
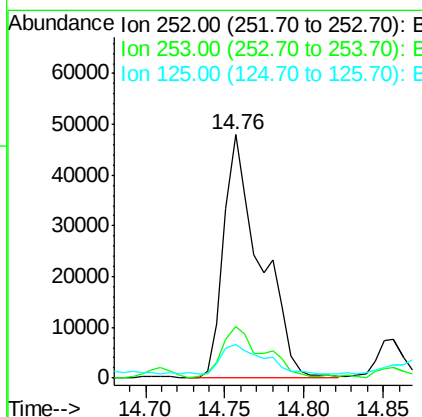
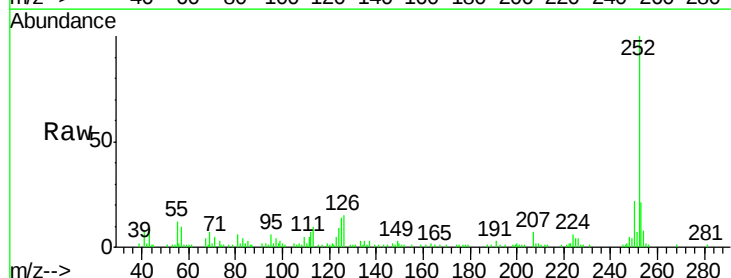
Instrument :
BNA_F
ClientSampleId :

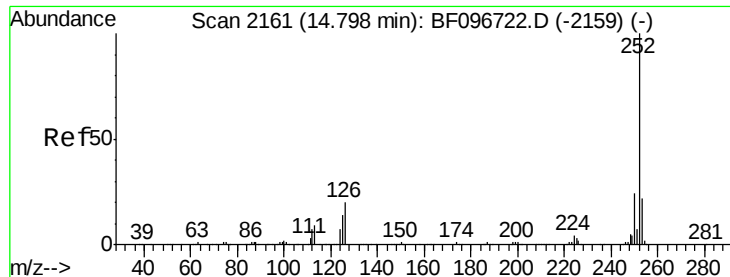
Tot Ion:264 Resp: 184381
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 22.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 6.97 ng
RT: 14.76 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096792.D
Acq: 15 Jul 2017 00:51

Tgt Ion:252 Resp: 77529
Ion Ratio Lower Upper
252 100
253 21.1 18.1 27.1
125 13.8 9.8 14.8

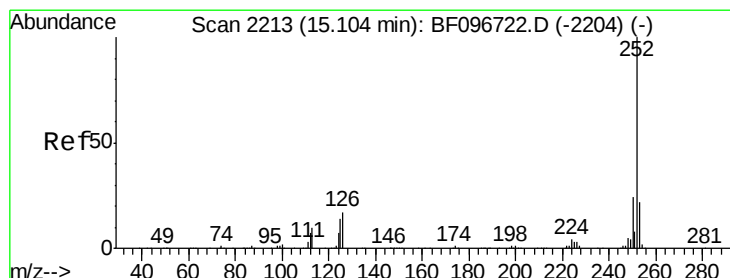
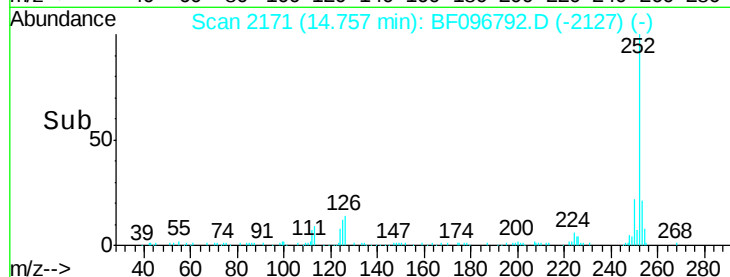
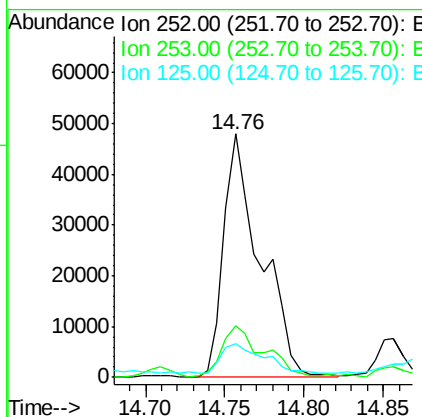
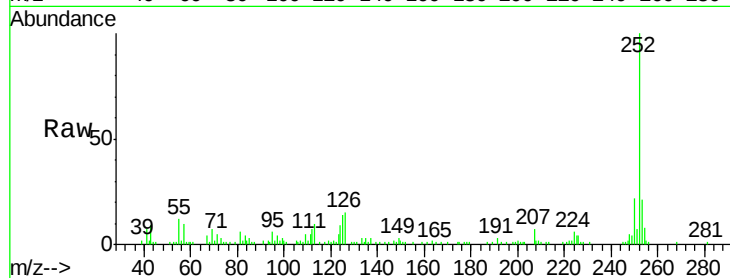




#88
Benzo(k)fluoranthene
Concen: 7.36 ng
RT: 14.76 min Scan# 2171
Delta R.T. -0.04 min
Lab File: BF096792.D
Acq: 15 Jul 2017 00:51

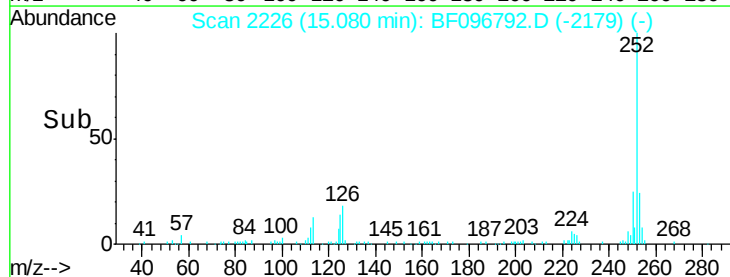
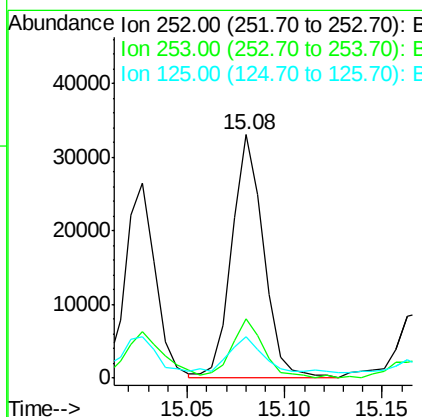
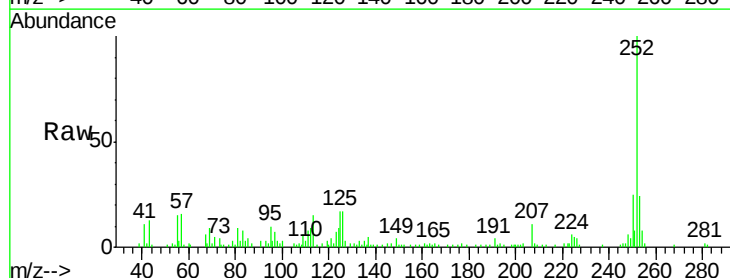
Instrument :
BNA_F
ClientSampleId :

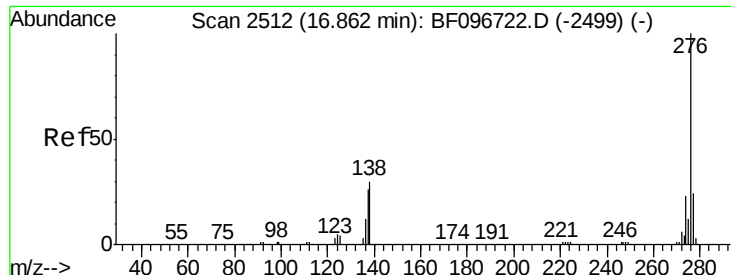
Tot Ion:252 Resp: 77529
Ion Ratio Lower Upper
252 100
253 21.1 18.4 27.6
125 13.8 13.1 19.7



#89
Benzo(a)pyrene
Concen: 3.66 ng
RT: 15.08 min Scan# 2226
Delta R.T. -0.02 min
Lab File: BF096792.D
Acq: 15 Jul 2017 00:51

Tgt Ion:252 Resp: 37369
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 16.9 11.0 16.4#

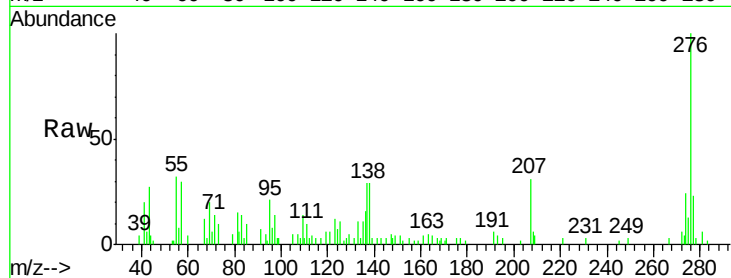




#91
 Benzo(a,h,i)perylene
 Concen: 2.53 ng
 RT: 16.82 min Scan# 2522
 Delta R.T. -0.04 min
 Lab File: BF096792.D
 Acq: 15 Jul 2017 00:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	29.2	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

