

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096797.D
 Acq On : 15 Jul 2017 3:10
 Operator : SJ/JU
 Sample : I4187-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 15 04:07:32 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

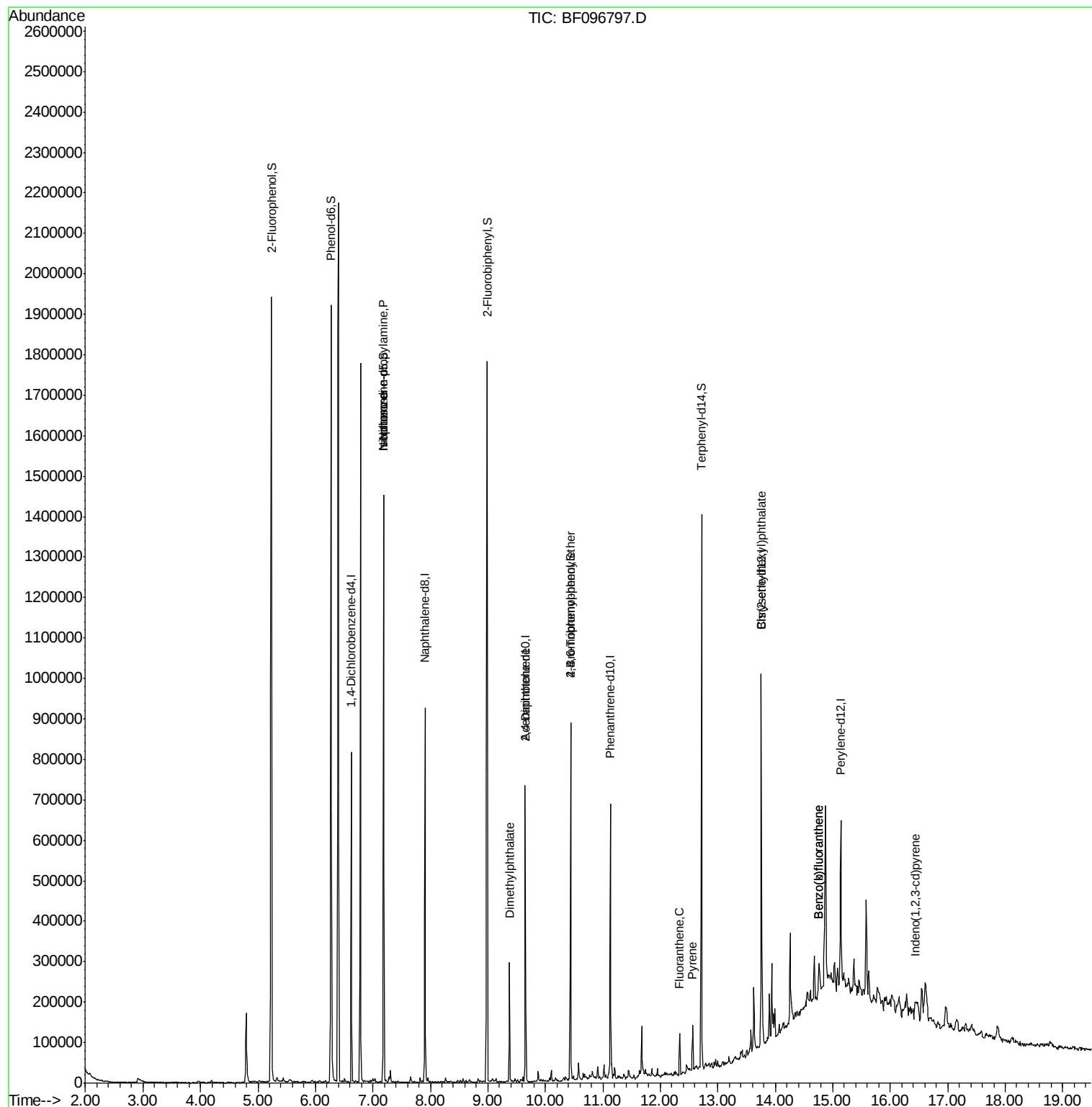
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	117908	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	397203	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	148471	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	245591	20.00	ng	-0.02
75) Chrysene-d12	13.76	240	209166	20.00	ng	-0.02
86) Perylene-d12	15.14	264	178622	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	565533	72.12	ng	0.00
7) Phenol-d6	6.27	99	610503	64.88	ng	0.00
23) Nitrobenzene-d5	7.19	82	383538	59.81	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	91445	72.16	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	583749	62.12	ng	-0.01
78) Terphenyl-d14	12.72	244	398787	33.06	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	50549	8.92	ng	# 86
25) Isophorone	7.19	82	383130	32.12	ng	# 67
49) Dimethylphthalate	9.37	163	110159	9.85	ng	100
56) 2,4-Dinitrotoluene	9.65	165	18408	5.92	ng	# 32
66) 4-Bromophenyl-phenylether	10.44	248	6093	2.43	ng	# 1
74) Fluoranthene	12.33	202	40051	3.13	ng	98
77) Pyrene	12.56	202	39806	2.10	ng	99
83) Bis(2-ethylhexyl)phthalate	13.76	149	77691	7.07	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.44	276	11718	4.28	ng	# 92
87) Benzo(b)fluoranthene	14.76	252	39791	3.69	ng	# 87
88) Benzo(k)fluoranthene	14.76	252	39791	3.90	ng	# 91

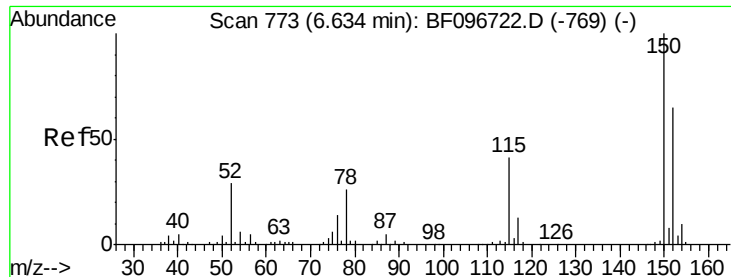
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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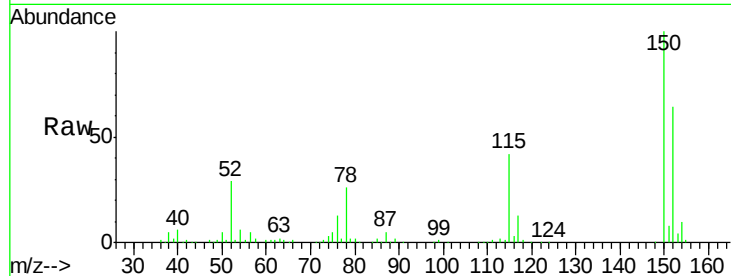


#1

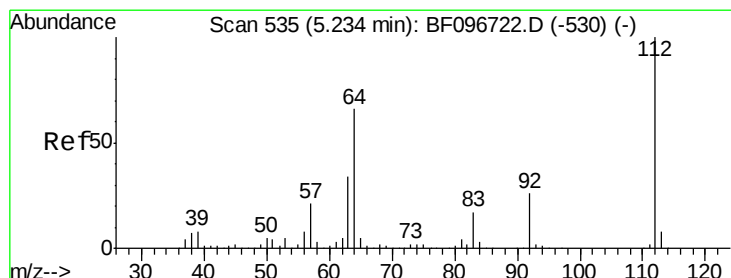
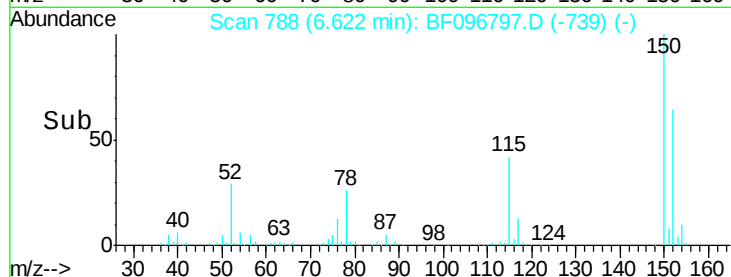
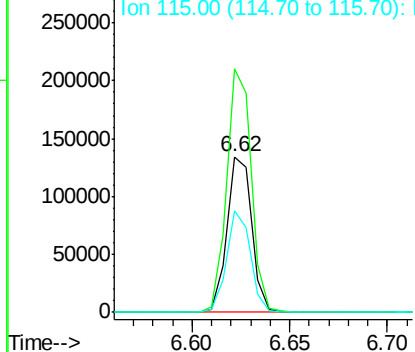
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096797.D
Acq: 15 Jul 2017 3:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117908
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 65.0 52.2 78.2



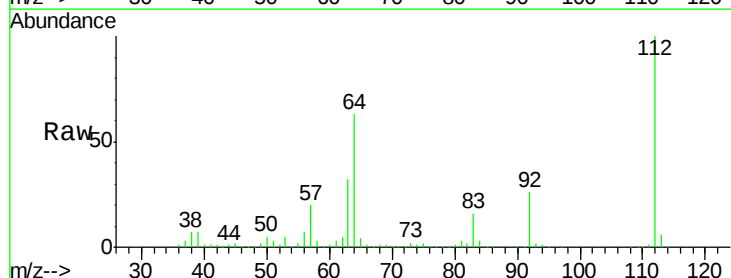
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



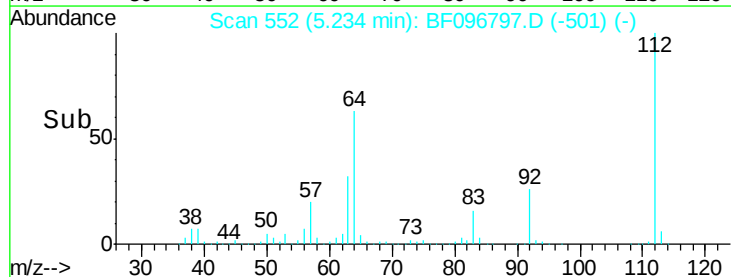
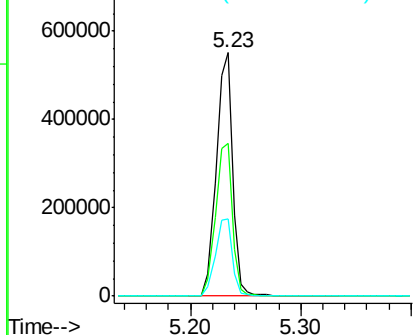
#5

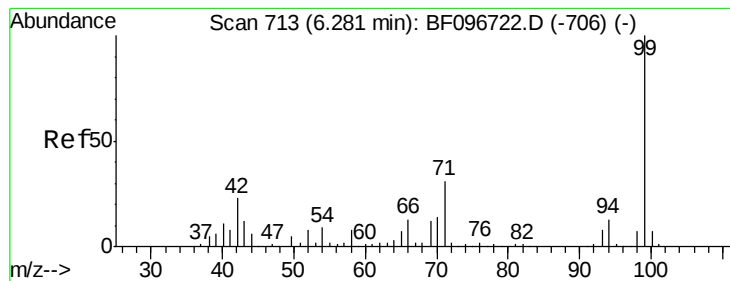
2-Fluorophenol
Concen: 72.12 ng
RT: 5.23 min Scan# 552
Delta R.T. 0.00 min
Lab File: BF096797.D
Acq: 15 Jul 2017 3:10

Tgt Ion:112 Resp: 565533
Ion Ratio Lower Upper
112 100
64 63.0 46.0 69.0
63 31.7 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: 64.88 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

Instrument :

BNA_F

ClientSampleId :

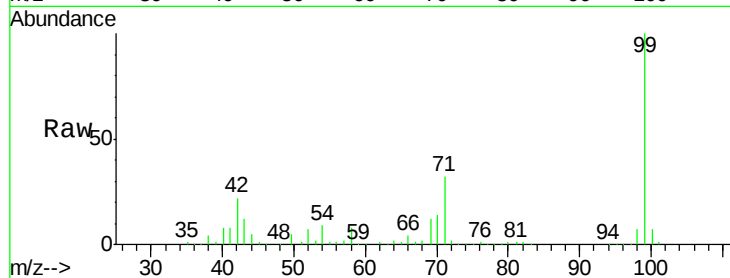
Tot Ion: 99 Resp: 610503

Ion Ratio Lower Upper

99 100

42 22.2 13.5 20.3#

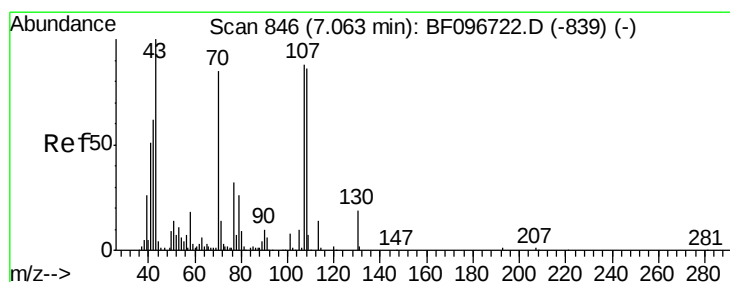
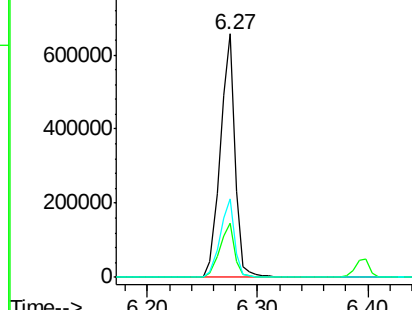
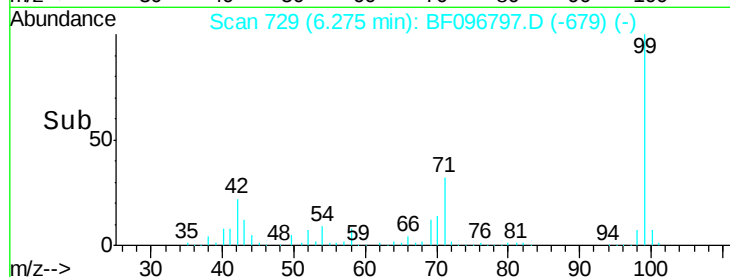
71 32.1 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.92 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

Tgt Ion: 70 Resp: 50549

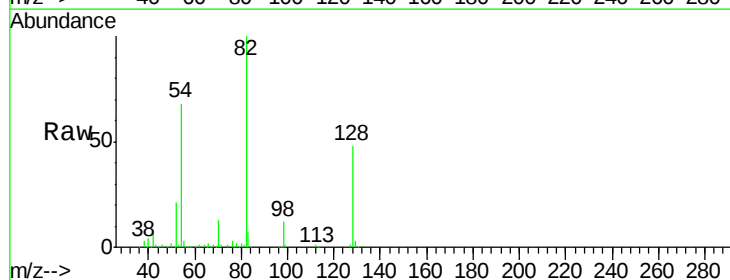
Ion Ratio Lower Upper

70 100

42 62.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

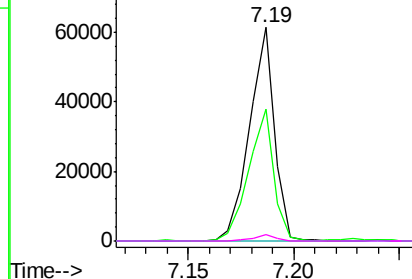
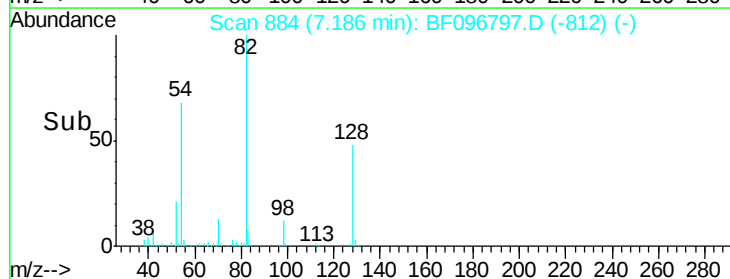


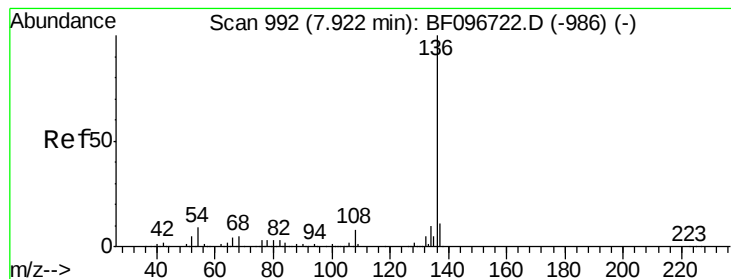
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF096797.D

Acq: 15 Jul 2017 3:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 397203

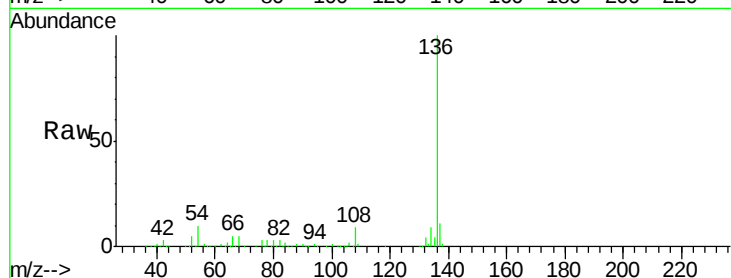
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.1 4.9 7.3#

68 4.8 4.1 6.1

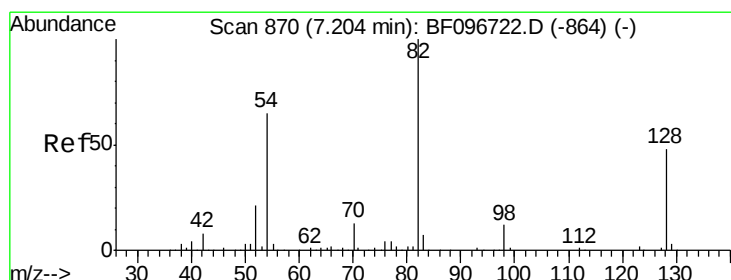
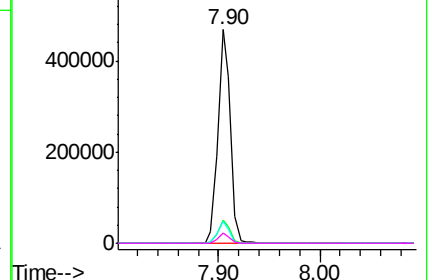
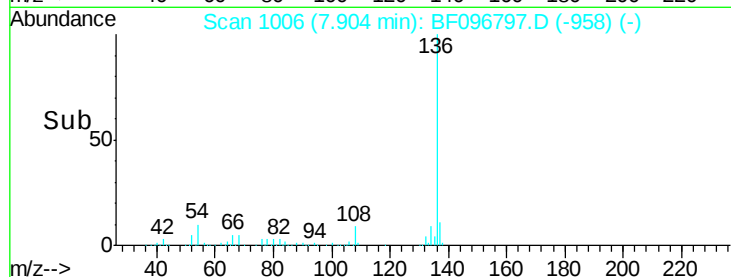


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.81 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

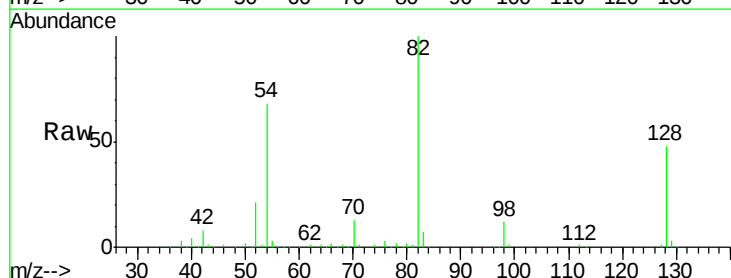
Tgt Ion: 82 Resp: 383538

Ion Ratio Lower Upper

82 100

128 47.9 34.0 51.0

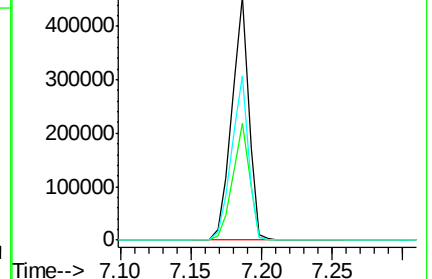
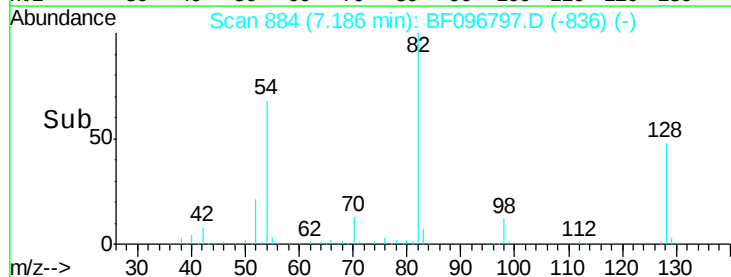
54 67.7 42.2 63.2#

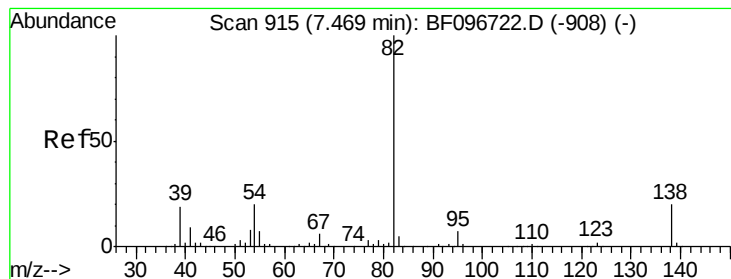


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.12 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

Instrument :

BNA_F

ClientSampleId :

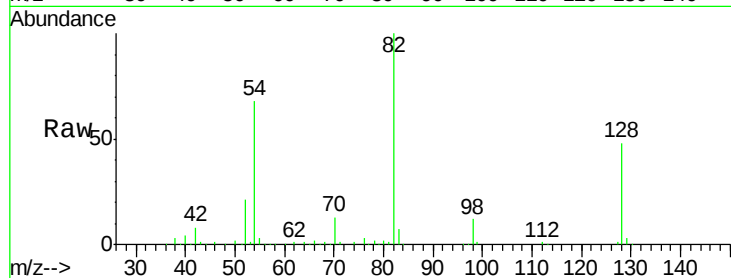
Tot Ion: 82 Resp: 383130

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

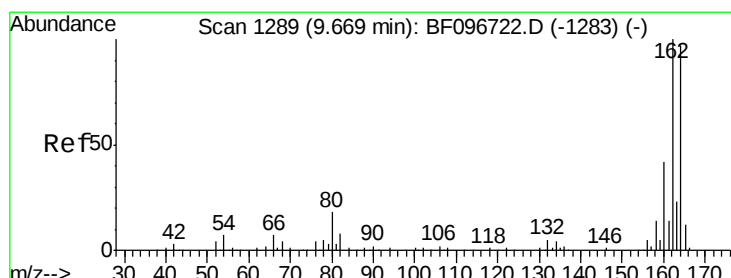
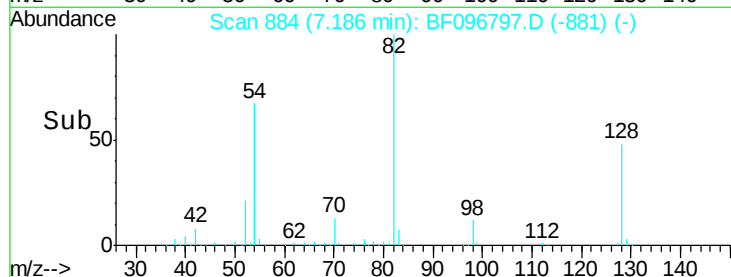
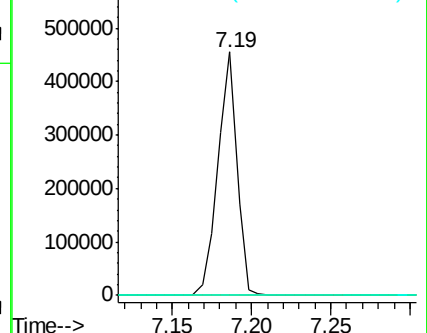
138 0.0 13.1 19.7#



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: 20.00 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

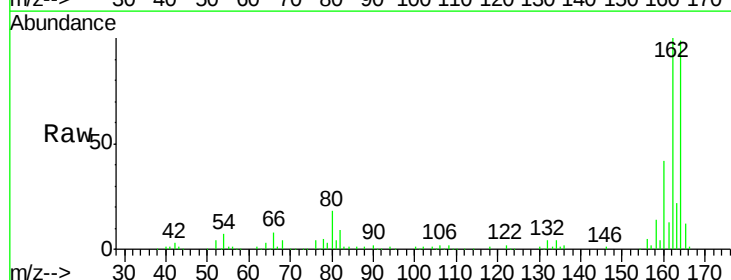
Tgt Ion:164 Resp: 148471

Ion Ratio Lower Upper

164 100

162 101.3 82.6 123.8

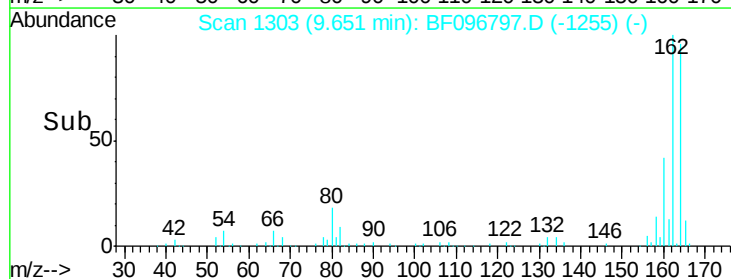
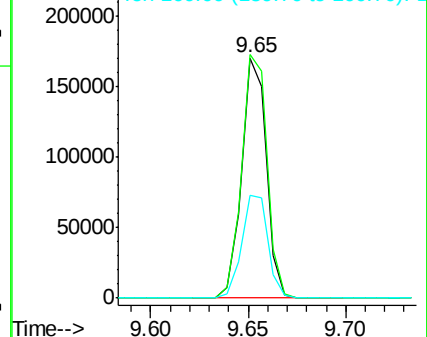
160 42.9 36.2 54.2

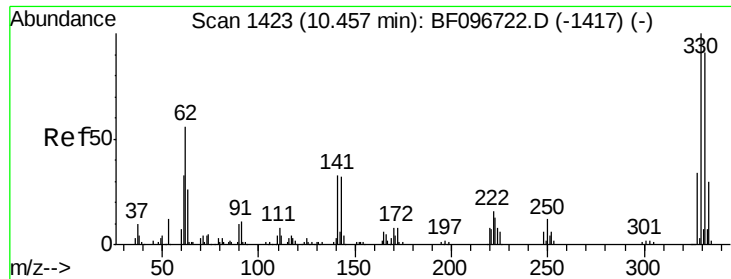


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

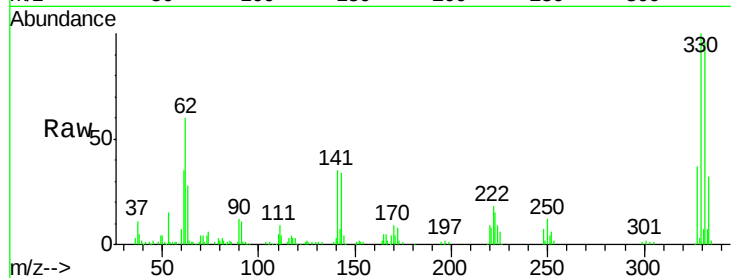




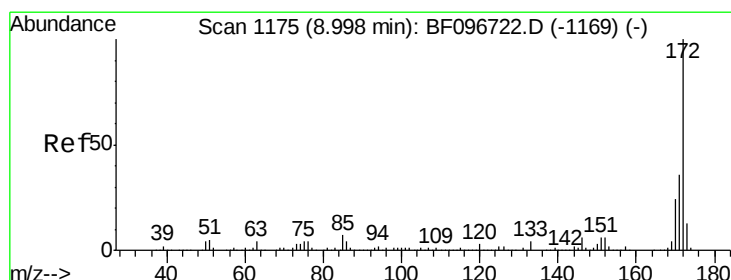
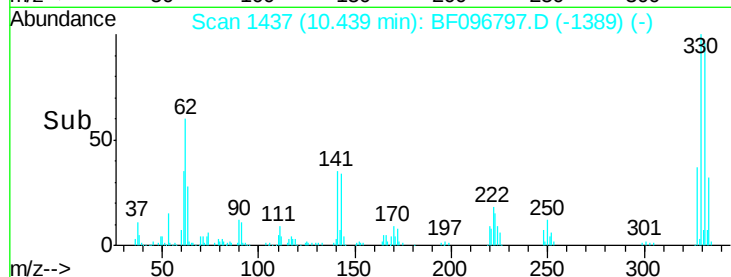
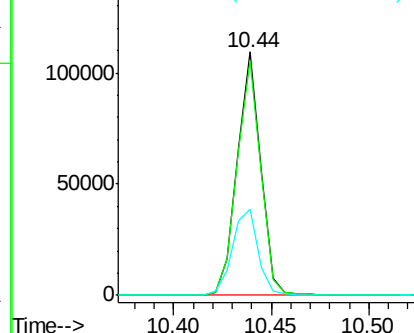
#41
 2,4,6-Tribromophenol
 Concen: 72.16 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096797.D
 Acq: 15 Jul 2017 3:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	115.0
141	38.4	31.4	47.2

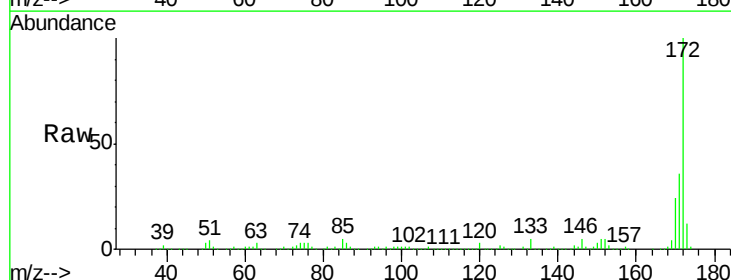


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

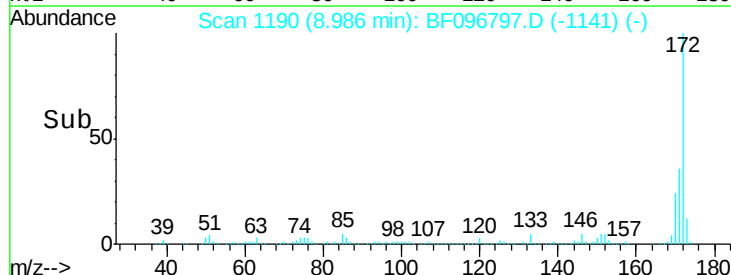
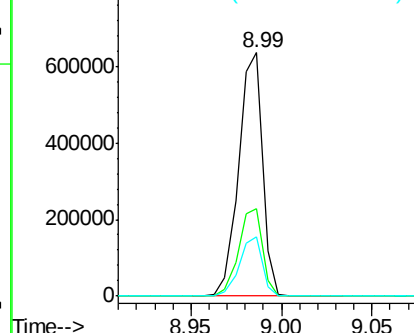


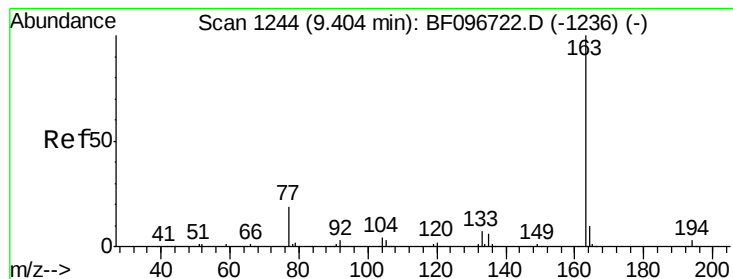
#44
 2-Fluorobiphenyl
 Concen: 62.12 ng
 RT: 8.99 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096797.D
 Acq: 15 Jul 2017 3:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.4	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: 9.85 ng

RT: 9.37 min Scan# 1256

Delta R.T. -0.03 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

Instrument :

BNA_F

ClientSampleId :

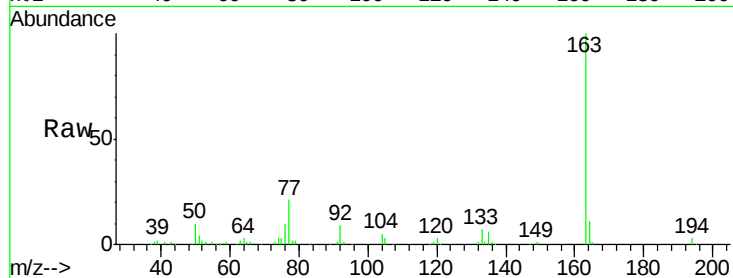
Tot Ion:163 Resp: 110159

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

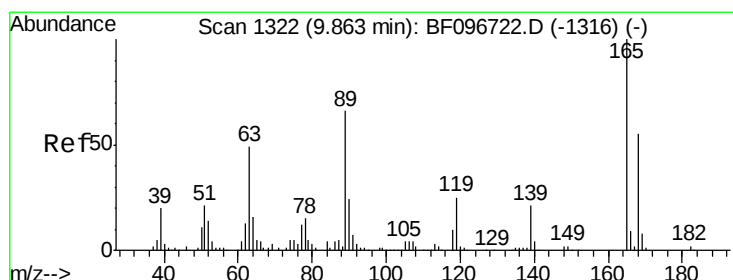
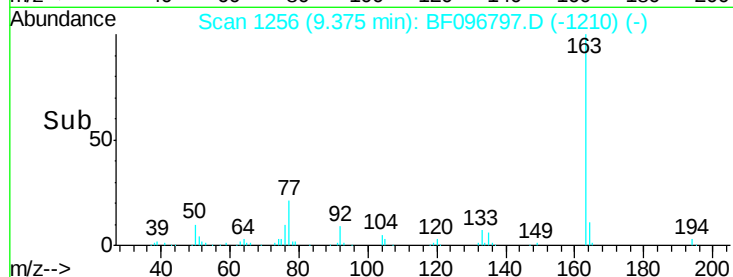
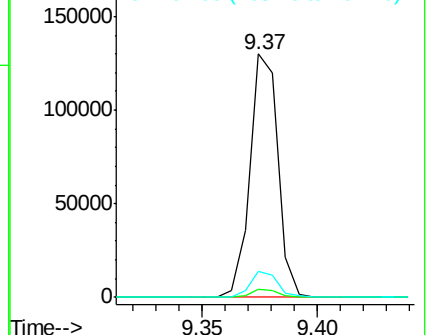
164 10.7 8.4 12.6



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: 5.92 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

Tgt Ion:165 Resp: 18408

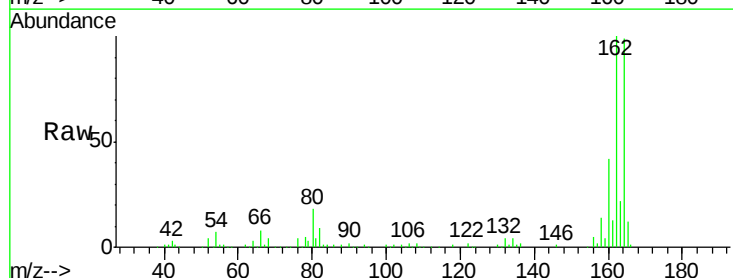
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

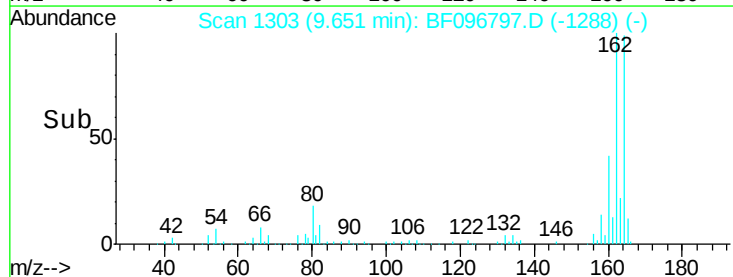
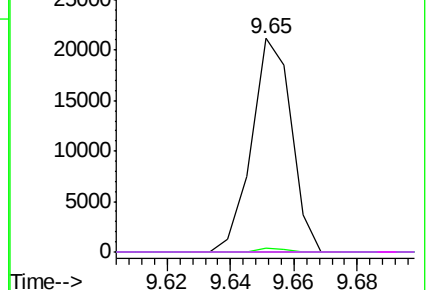


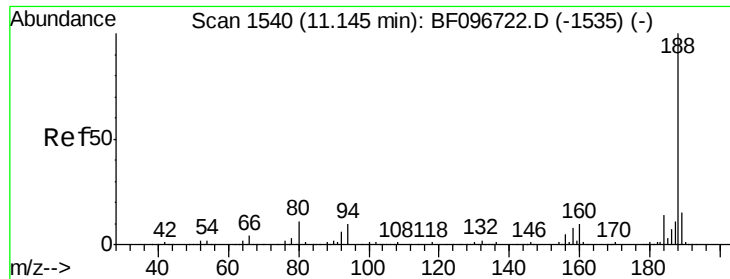
Abundance Ion 165.00 (164.70 to 165.70): E

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

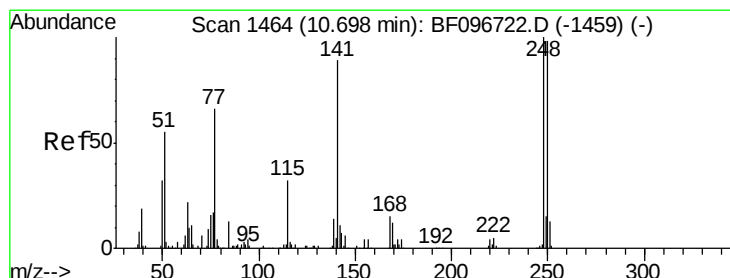
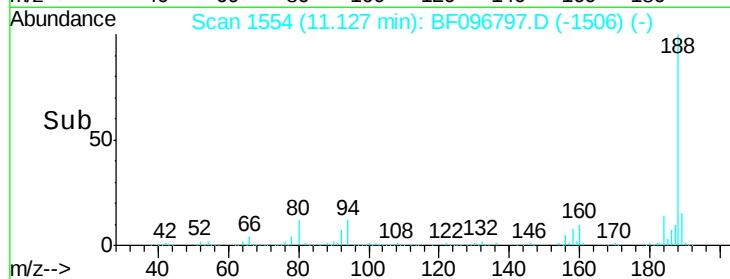
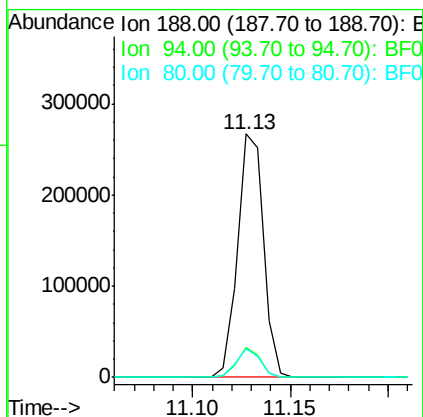
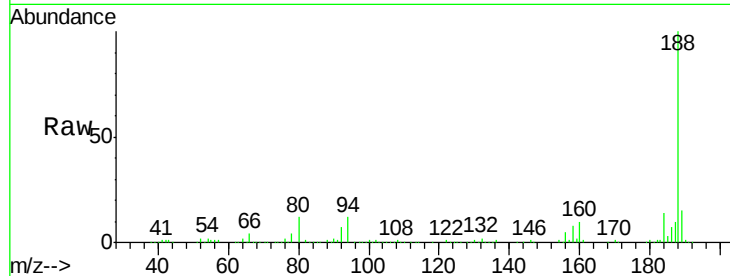




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF096797.D
 Acq: 15 Jul 2017 3:10

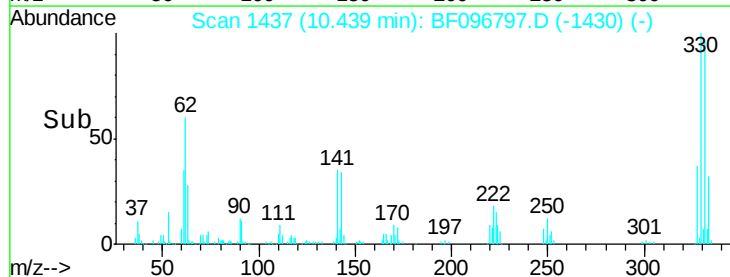
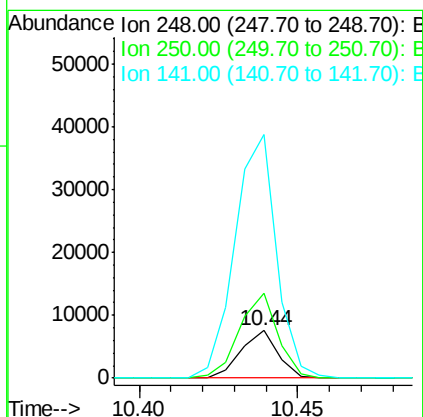
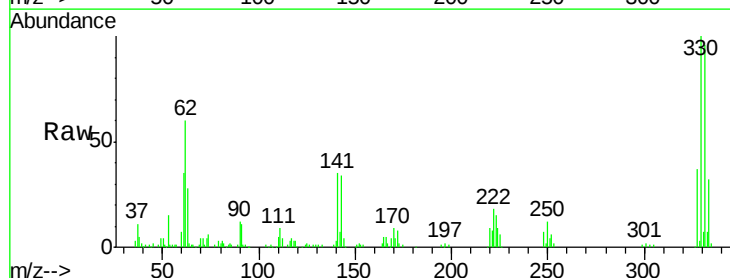
Instrument :
 BNA_F
 ClientSampleId :

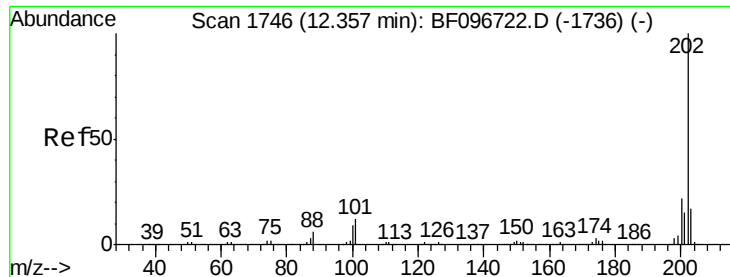
Tot Ion:188 Resp: 245591
 Ion Ratio Lower Upper
 188 100
 94 12.3 9.4 14.2
 80 11.7 10.2 15.2



#66
 4-Bromophenyl-phenylether
 Concen: 2.43 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.26 min
 Lab File: BF096797.D
 Acq: 15 Jul 2017 3:10

Tgt Ion:248 Resp: 6093
 Ion Ratio Lower Upper
 248 100
 250 177.9 76.8 115.2#
 141 510.1 68.6 103.0#

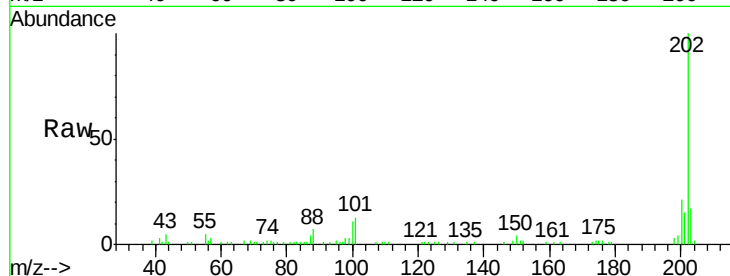




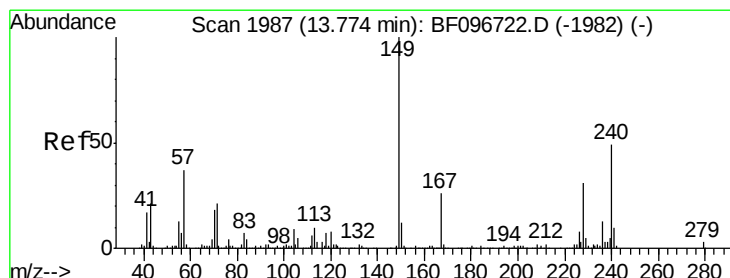
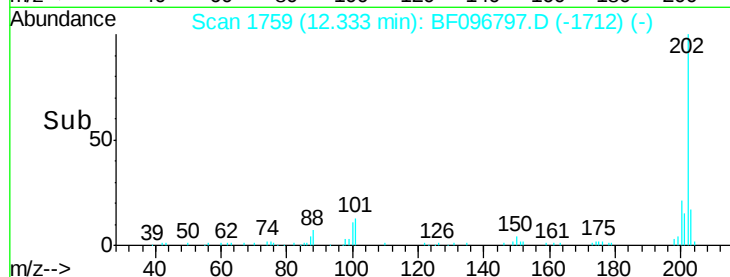
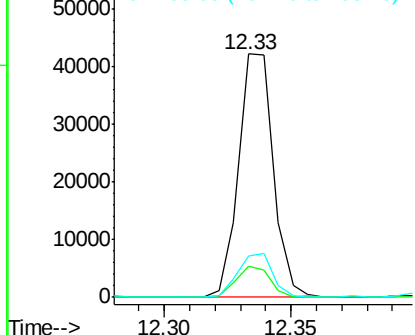
#74
 Fluoranthene
 Concen: 3.13 ng
 RT: 12.33 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BF096797.D
 Acq: 15 Jul 2017 3:10

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.0	0.0	38.1

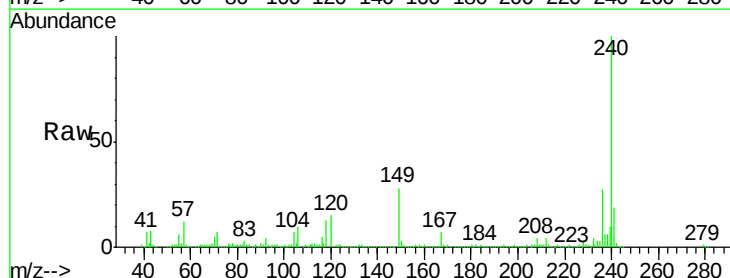


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

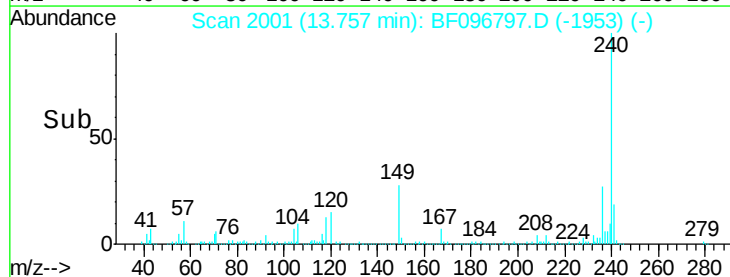
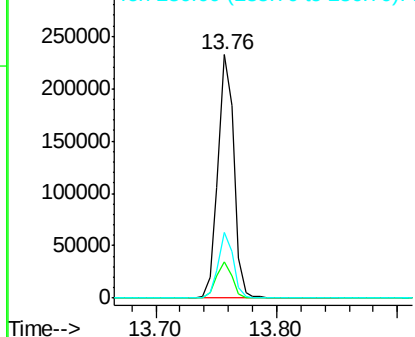


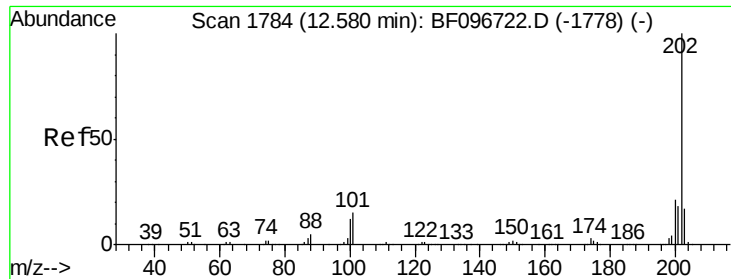
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.76 min Scan# 2001
 Delta R.T. -0.02 min
 Lab File: BF096797.D
 Acq: 15 Jul 2017 3:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	26.8	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

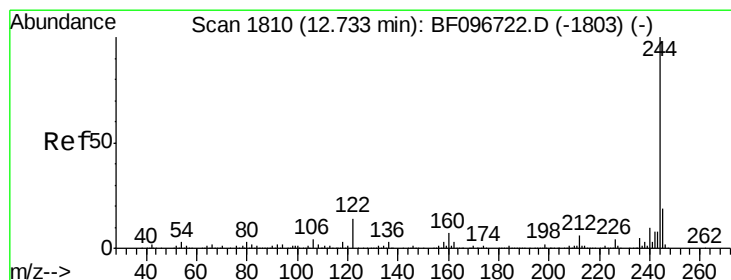
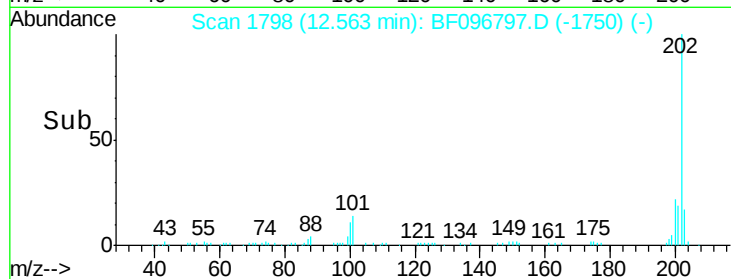
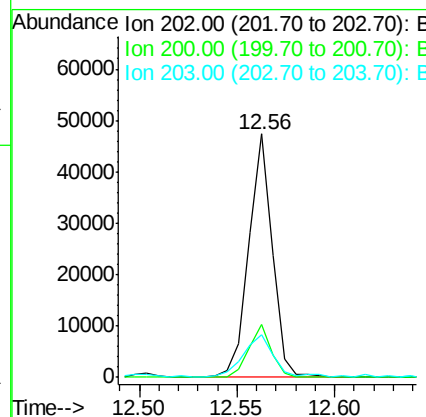
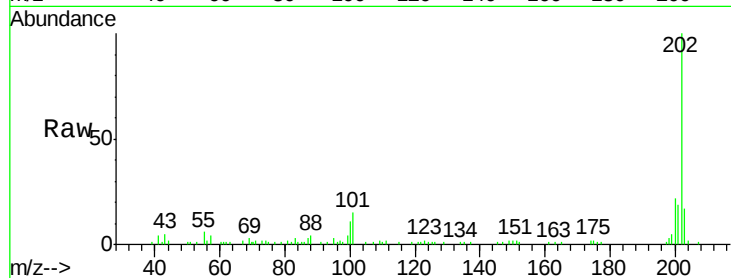




#77
Pvrene
Concen: 2.10 ng
RT: 12.56 min Scan# 1798
Delta R.T. -0.02 min
Lab File: BF096797.D
Acq: 15 Jul 2017 3:10

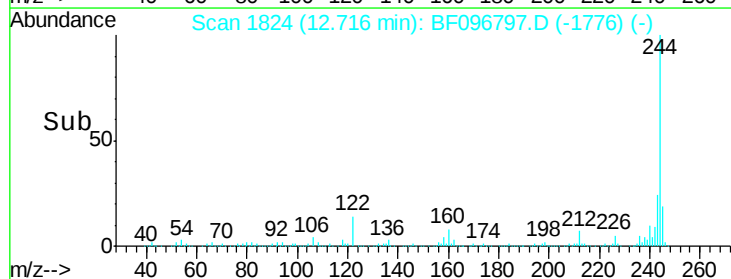
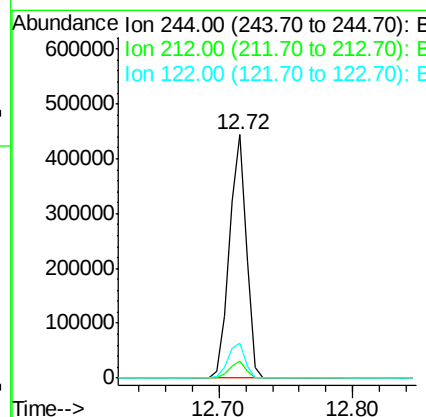
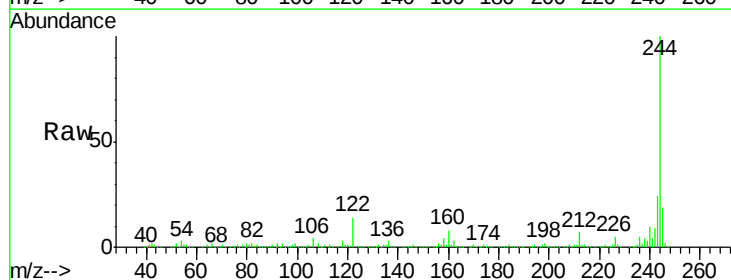
Instrument :
BNA_F
ClientSampleId :

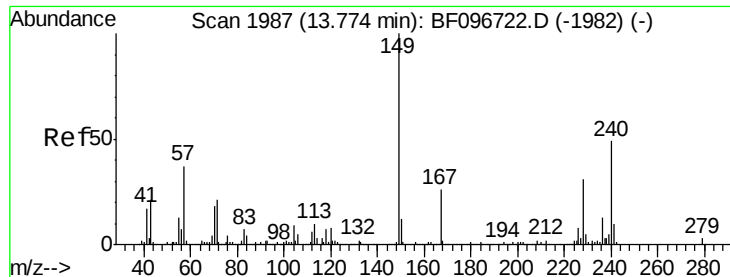
Tot Ion:202 Resp: 39806
Ion Ratio Lower Upper
202 100
200 21.9 17.6 26.4
203 17.5 14.4 21.6



#78
Terphenyl-d14
Concen: 33.06 ng
RT: 12.72 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF096797.D
Acq: 15 Jul 2017 3:10

Tgt Ion:244 Resp: 398787
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 14.3 10.3 15.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 7.07 ng

RT: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

Instrument :

BNA_F

ClientSampleId :

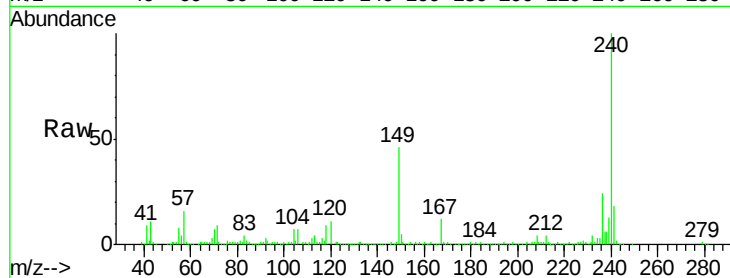
Tot Ion:149 Resp: 77691

Ion Ratio Lower Upper

149 100

167 26.3 21.0 31.4

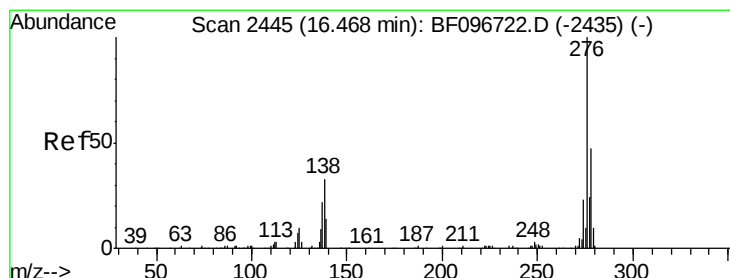
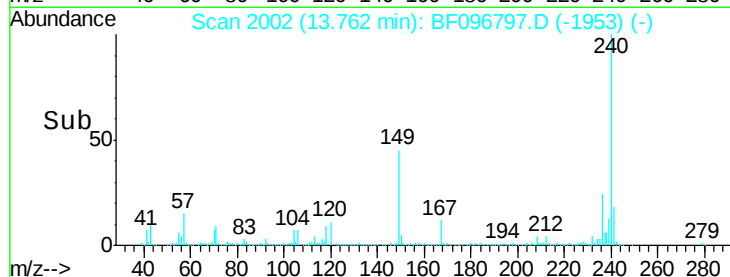
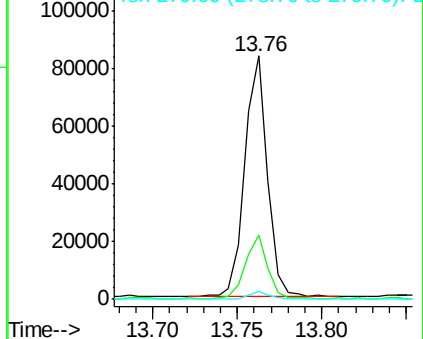
279 3.2 1.9 2.9#



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: 4.28 ng

RT: 16.44 min Scan# 2457

Delta R.T. -0.03 min

Lab File: BF096797.D

Acq: 15 Jul 2017 3:10

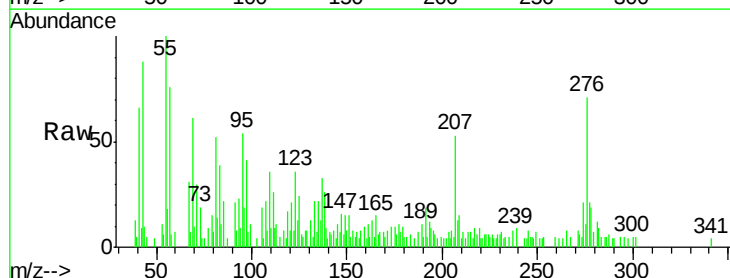
Tgt Ion:276 Resp: 11718

Ion Ratio Lower Upper

276 100

138 36.2 27.8 41.6

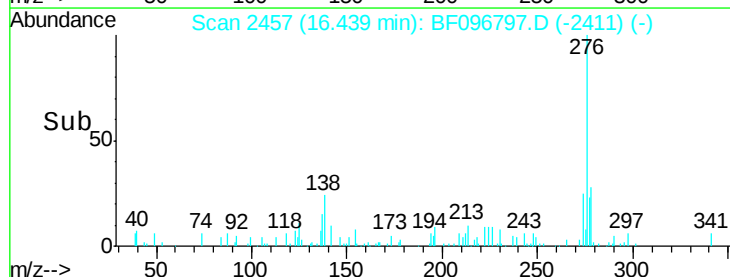
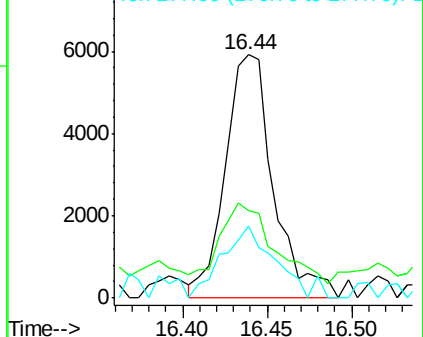
277 32.9 20.2 30.4#

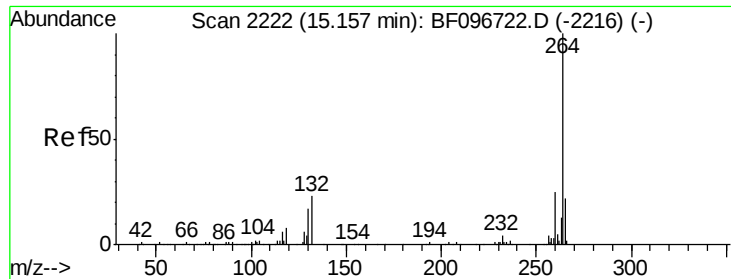


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

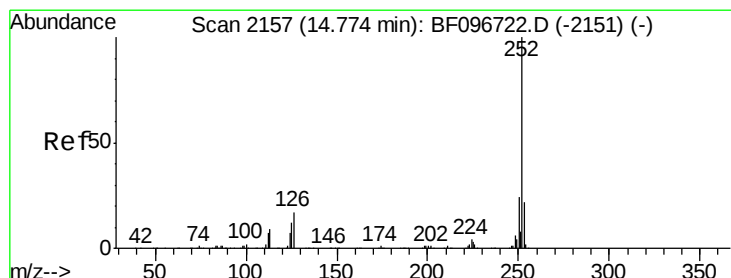
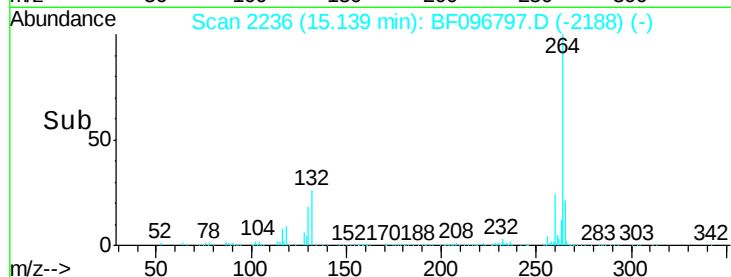
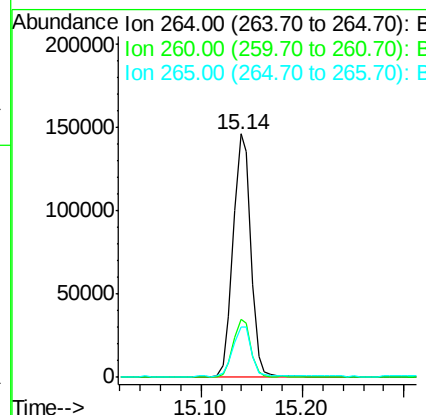
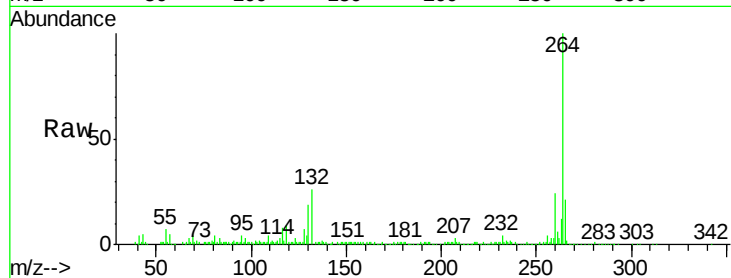




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF096797.D
Acq: 15 Jul 2017 3:10

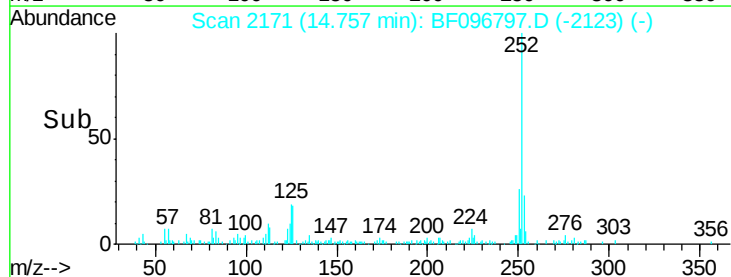
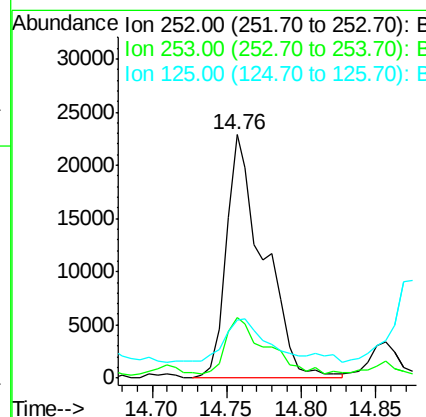
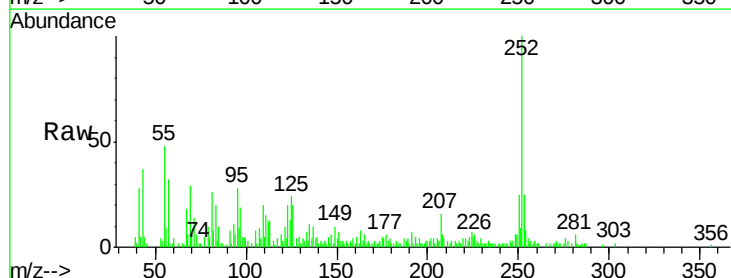
Instrument :
BNA_F
ClientSampleId :

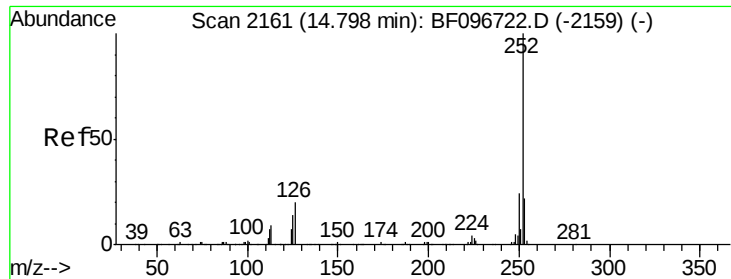
Tot Ion:264 Resp: 178622
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 20.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.69 ng
RT: 14.76 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096797.D
Acq: 15 Jul 2017 3:10

Tgt Ion:252 Resp: 39791
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 23.6 9.8 14.8#





#88
 Benzo(k)fluoranthene
 Concen: 3.90 ng
 RT: 14.76 min Scan# 2171
 Delta R.T. -0.04 min
 Lab File: BF096797.D
 Acq: 15 Jul 2017 3:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	23.6	13.1	19.7

