

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071417\
 Data File : BF096793.D
 Acq On : 15 Jul 2017 1:19
 Operator : SJ/JU
 Sample : I4187-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 15 02:28:48 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

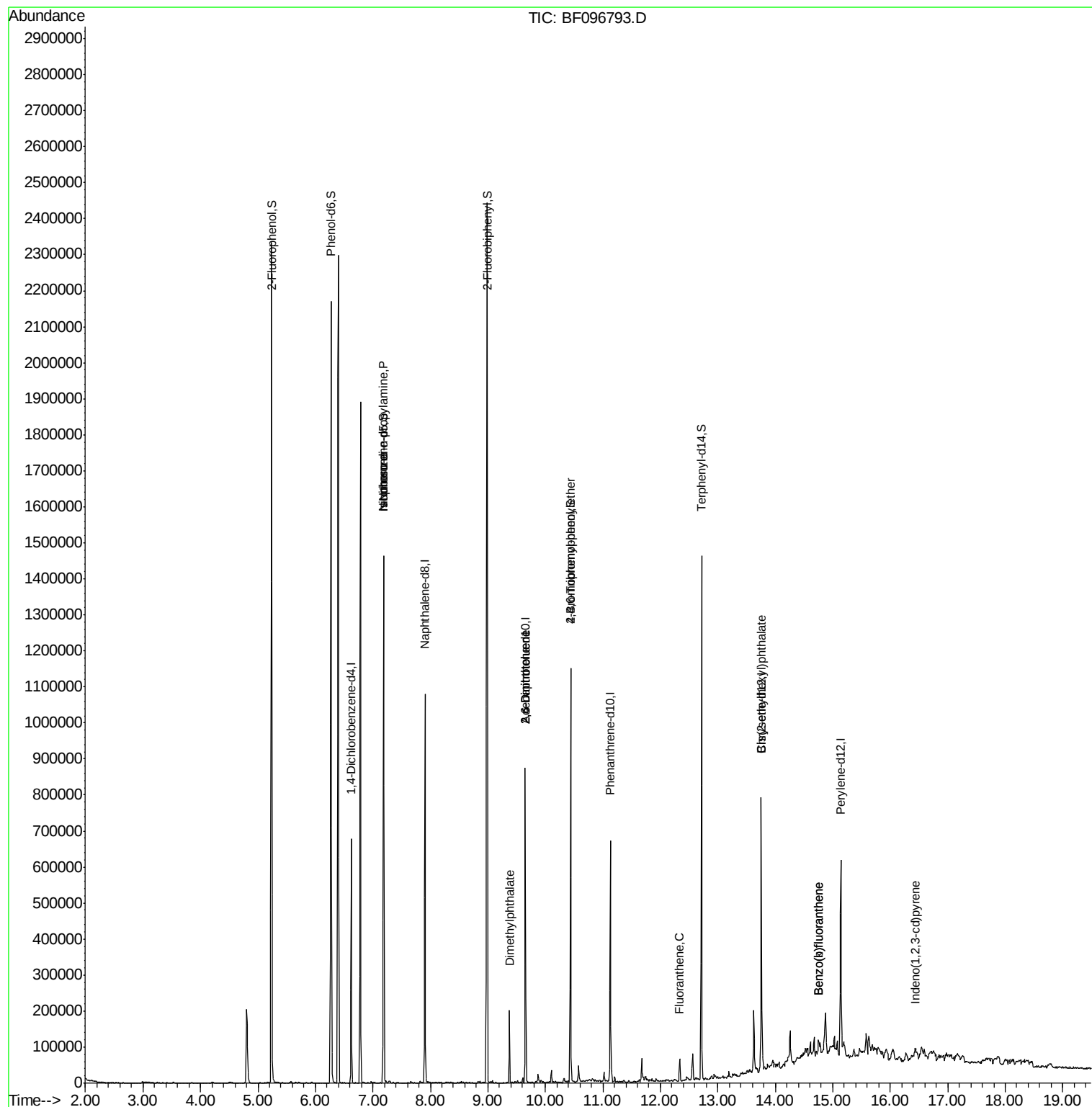
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	96177	20.00	ng	-0.01
21) Naphthalene-d8	7.90	136	453086	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	177678	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	243120	20.00	ng	-0.02
75) Chrysene-d12	13.76	240	206723	20.00	ng	-0.02
86) Perylene-d12	15.14	264	209800	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	711077	111.17	ng	0.00
7) Phenol-d6	6.27	99	728598	94.92	ng	0.00
23) Nitrobenzene-d5	7.19	82	436354	59.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	120387	79.38	ng	-0.02
44) 2-Fluorobiphenyl	8.99	172	808519	71.89	ng	-0.01
78) Terphenyl-d14	12.72	244	421709	35.38	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	59088	12.78	ng	# 88
25) Isophorone	7.19	82	435648	32.02	ng	# 67
49) Dimethylphthalate	9.37	163	71984	5.38	ng	99
50) 2,6-Dinitrotoluene	9.65	165	23018	7.94	ng	# 32
56) 2,4-Dinitrotoluene	9.65	165	23018	6.18	ng	# 32
66) 4-Bromophenyl-phenylether	10.44	248	7648	3.08	ng	# 1
74) Fluoranthene	12.34	202	25572	2.02	ng	97
83) Bis(2-ethylhexyl)phthalate	13.76	149	26870	2.48	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.43	276	11192	4.25	ng	# 88
87) Benzo(b)fluoranthene	14.76	252	30986	2.45	ng	# 92
88) Benzo(k)fluoranthene	14.76	252	30986	2.59	ng	96

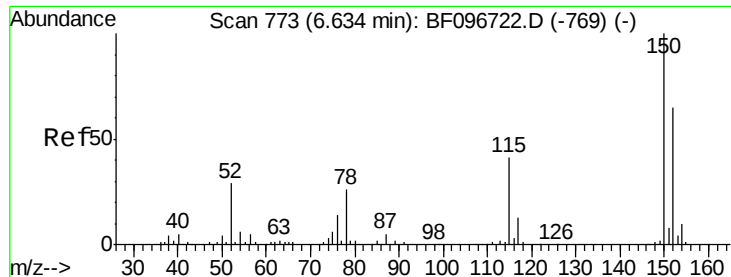
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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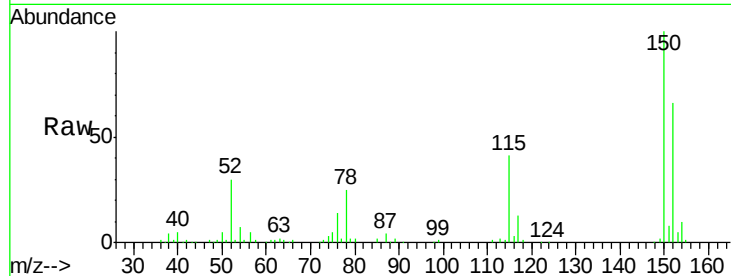


#1

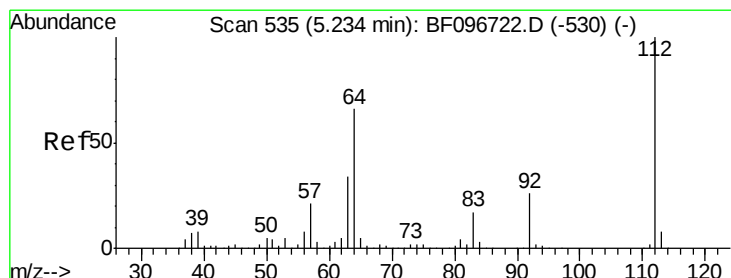
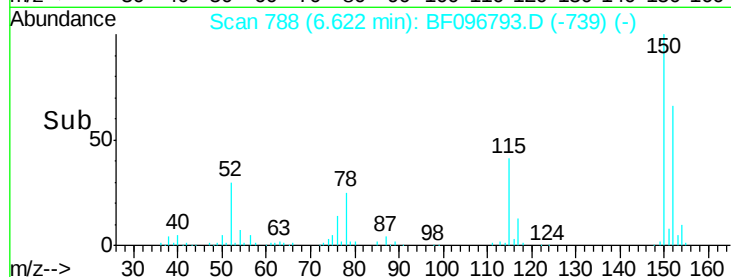
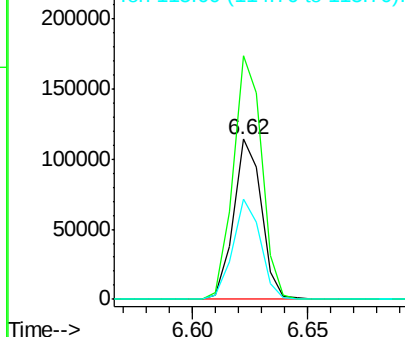
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.62 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096793.D
Acq: 15 Jul 2017 1:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 96177
Ion Ratio Lower Upper
152 100
150 151.8 126.2 189.2
115 62.6 52.2 78.2



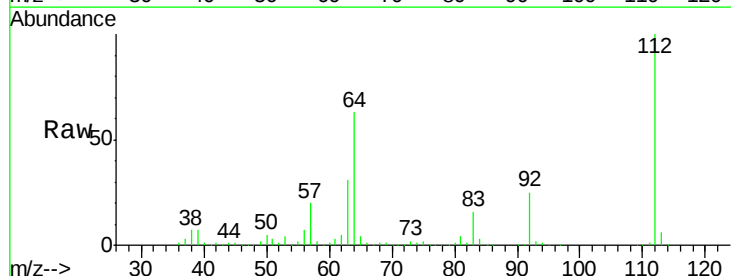
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



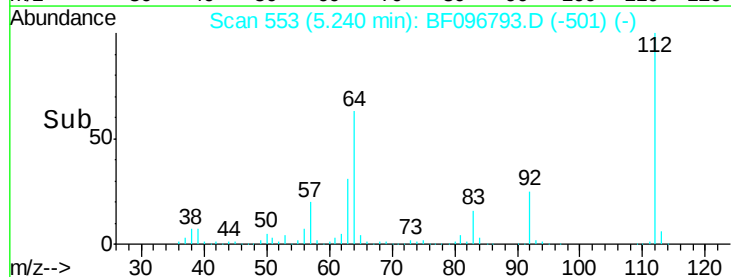
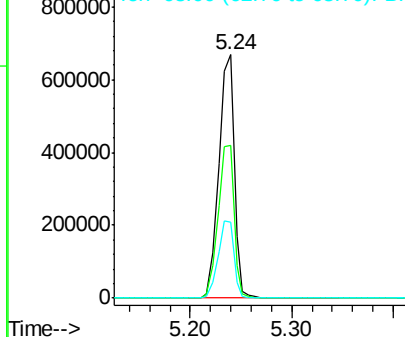
#5

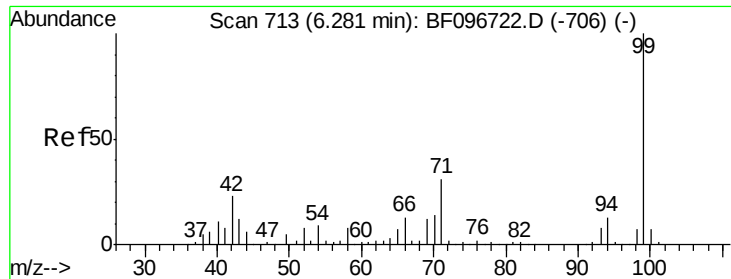
2-Fluorophenol
Concen: 111.17 ng
RT: 5.24 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF096793.D
Acq: 15 Jul 2017 1:19

Tgt Ion:112 Resp: 711077
Ion Ratio Lower Upper
112 100
64 62.9 46.0 69.0
63 31.2 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: 94.92 ng

RT: 6.27 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

Instrument :

BNA_F

ClientSampleId :

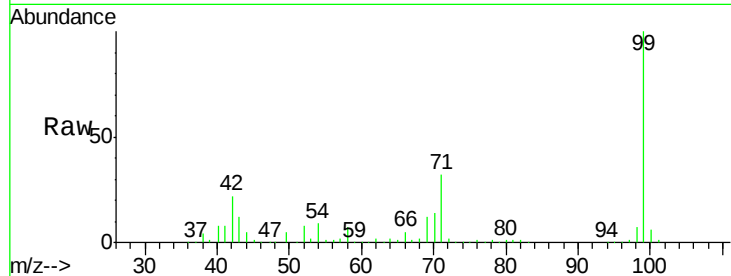
Tot Ion: 99 Resp: 728598

Ion Ratio Lower Upper

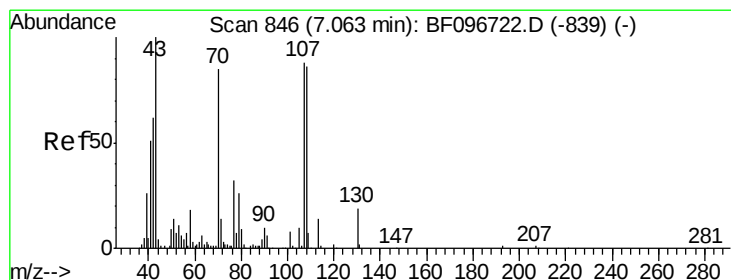
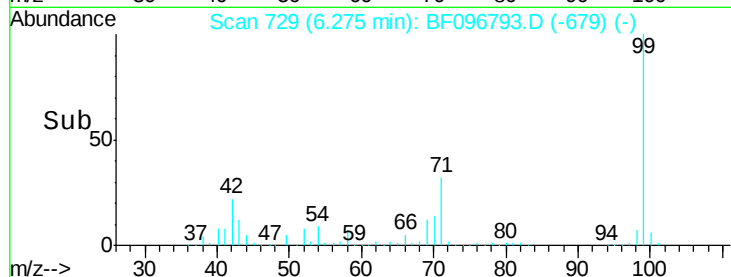
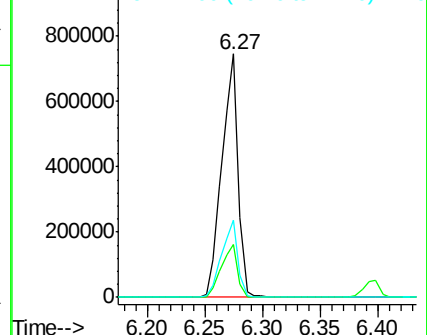
99 100

42 21.8 13.5 20.3#

71 31.8 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: 12.78 ng

RT: 7.19 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

Tgt Ion: 70 Resp: 59088

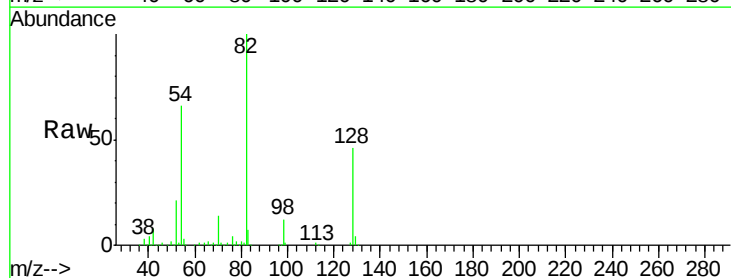
Ion Ratio Lower Upper

70 100

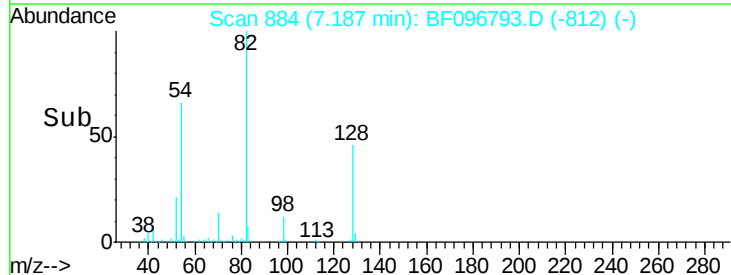
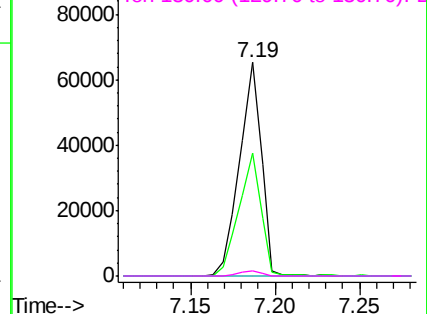
42 57.7 47.2 70.8

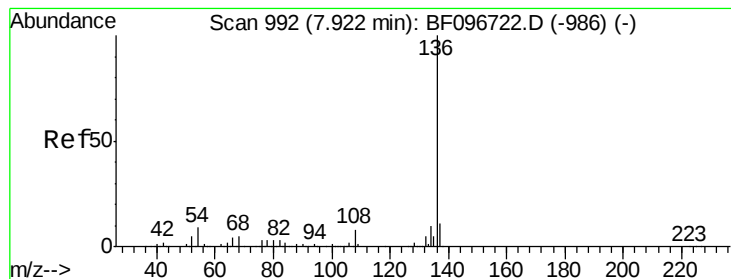
101 0.0 7.2 10.8#

130 2.2 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 453086

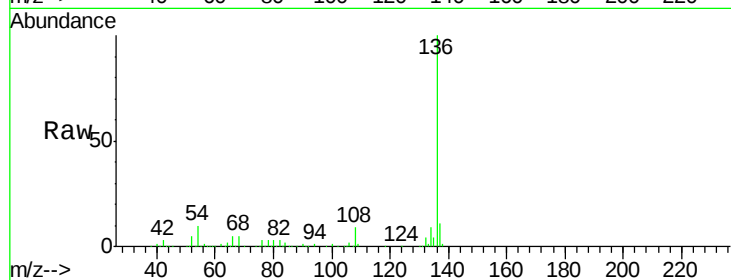
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.2 4.9 7.3#

68 5.2 4.1 6.1

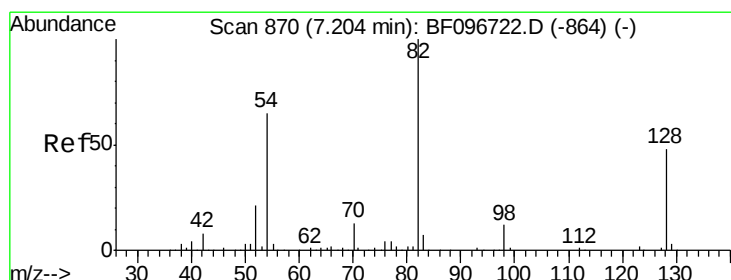
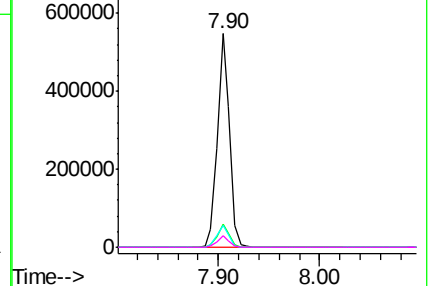
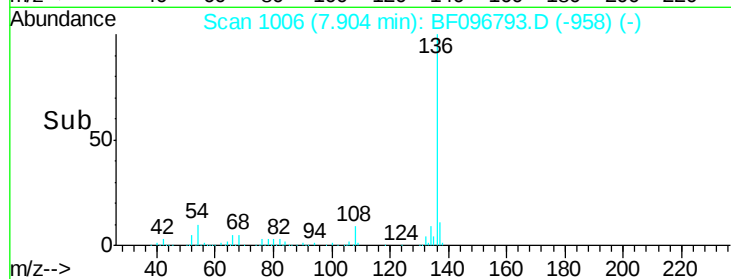


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.65 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.02 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

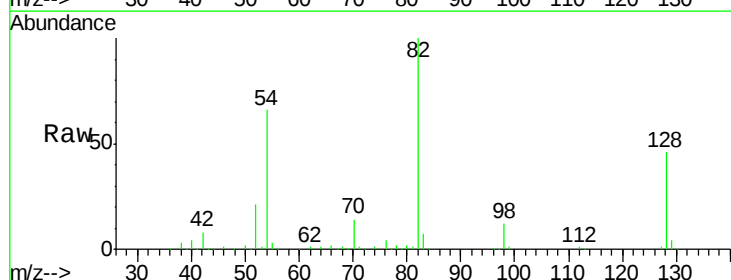
Tgt Ion: 82 Resp: 436354

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

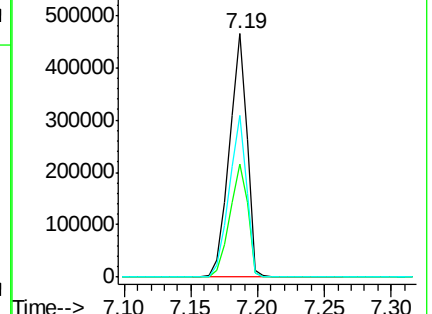
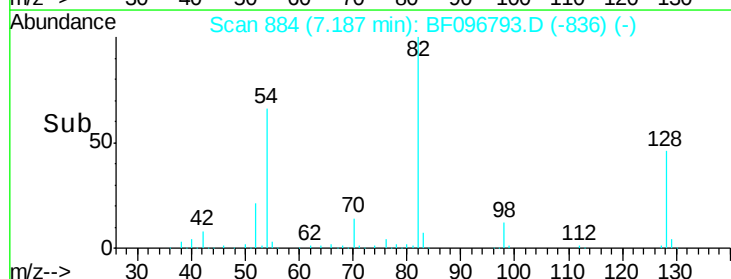
54 66.3 42.2 63.2#

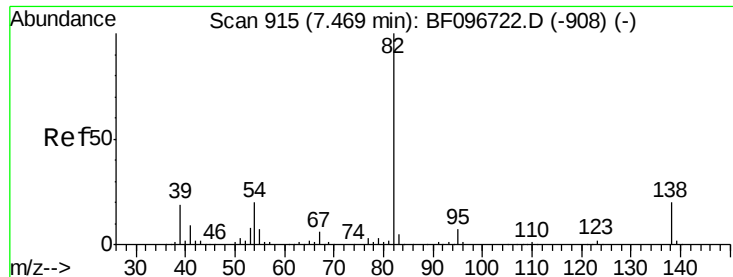


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 32.02 ng

RT: 7.19 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

Instrument :

BNA_F

ClientSampleId :

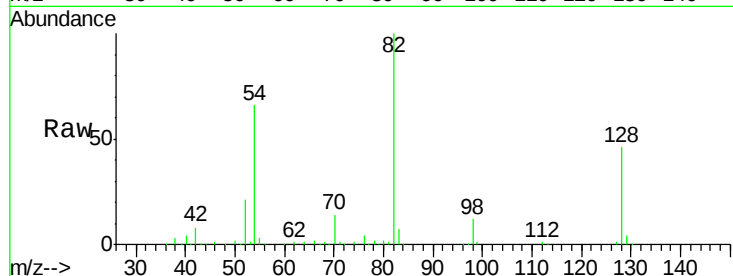
Tot Ion: 82 Resp: 435648

Ion Ratio Lower Upper

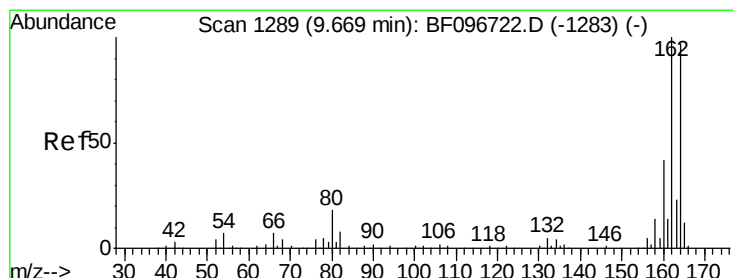
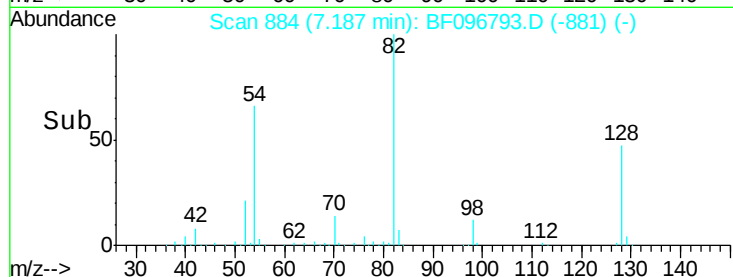
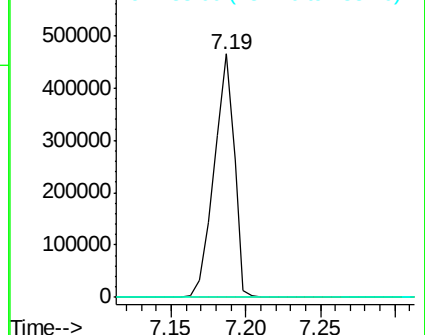
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

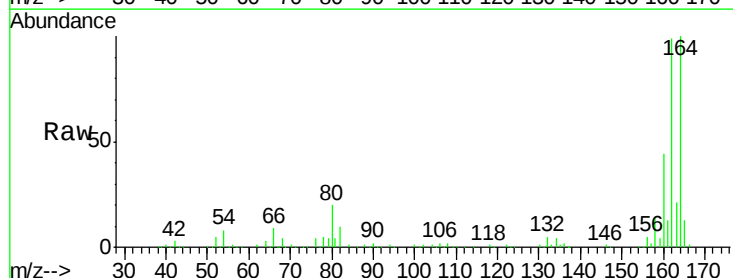
Tgt Ion: 164 Resp: 177678

Ion Ratio Lower Upper

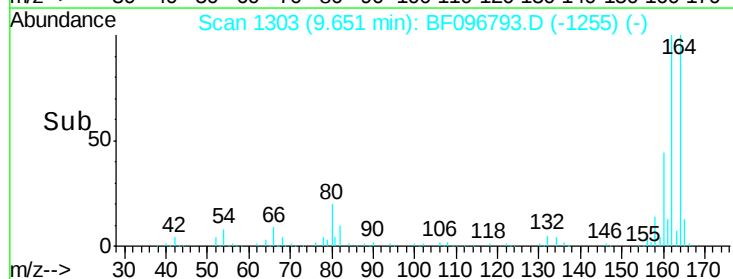
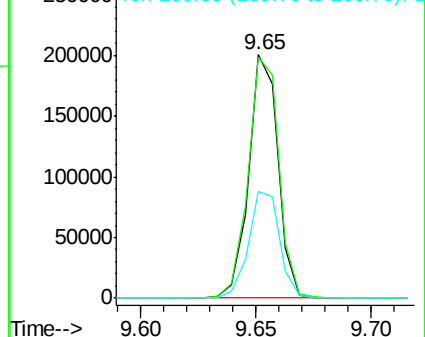
164 100

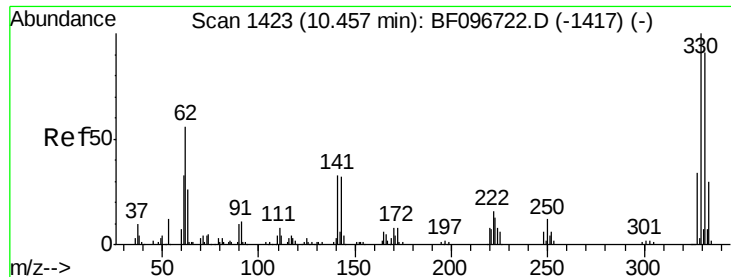
162 99.0 82.6 123.8

160 44.0 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

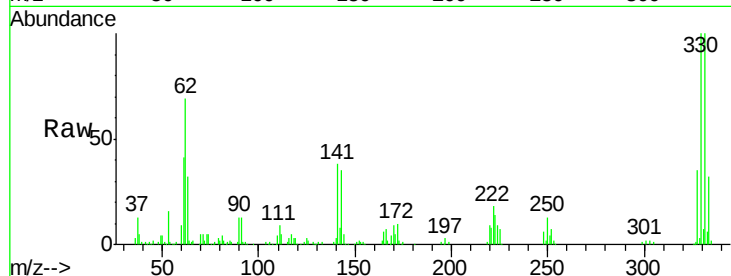




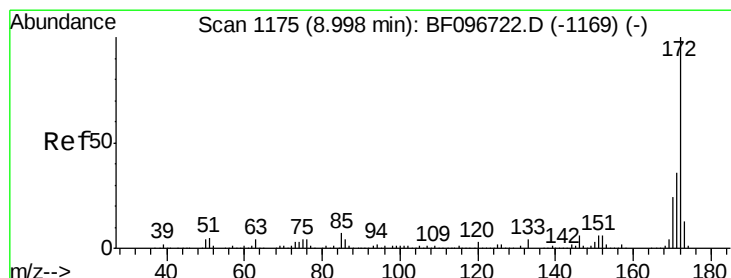
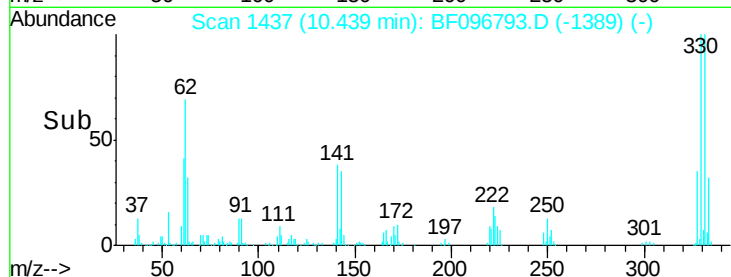
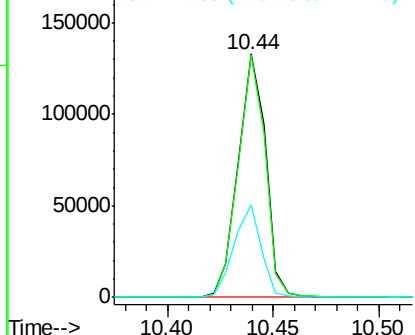
#41
 2,4,6-Tribromophenol
 Concen: 79.38 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096793.D
 Acq: 15 Jul 2017 1:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	37.4	31.4	47.2

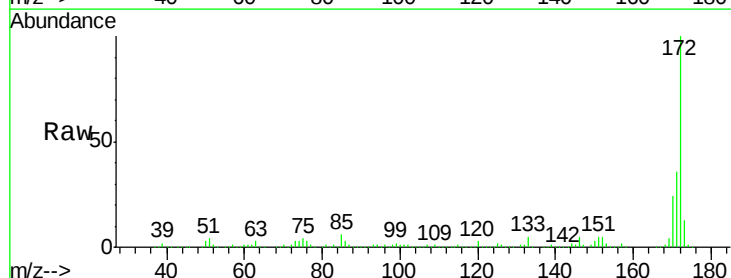


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

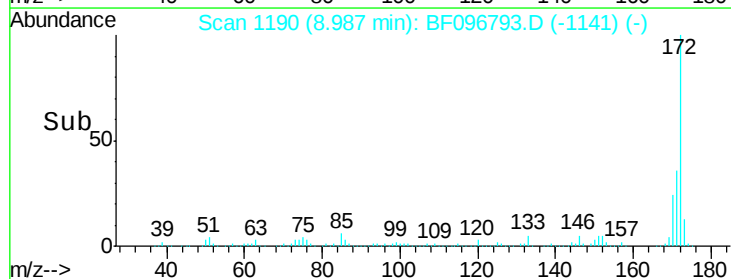
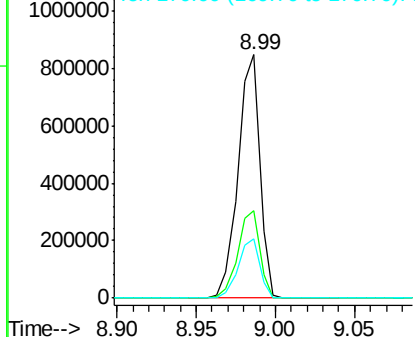


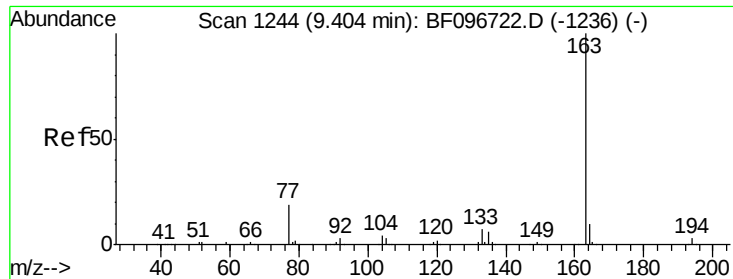
#44
 2-Fluorobiphenyl
 Concen: 71.89 ng
 RT: 8.99 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF096793.D
 Acq: 15 Jul 2017 1:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	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

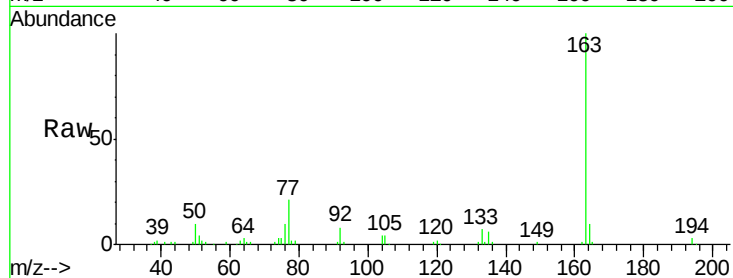




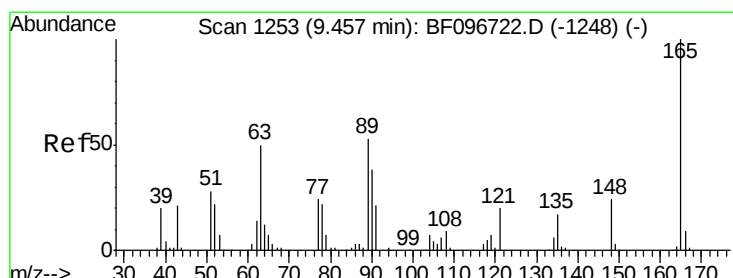
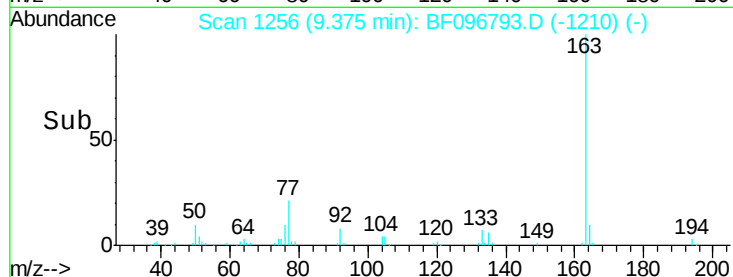
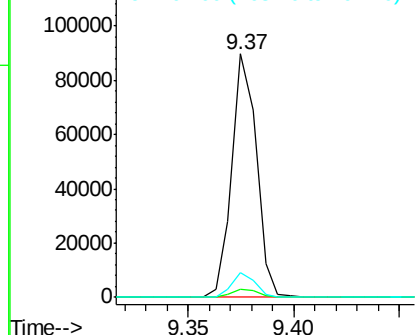
#49
Dimethylphthalate
Concen: 5.38 ng
RT: 9.37 min Scan# 1256
Delta R.T. -0.03 min
Lab File: BF096793.D
Acq: 15 Jul 2017 1:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 71984
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.0 8.4 12.6

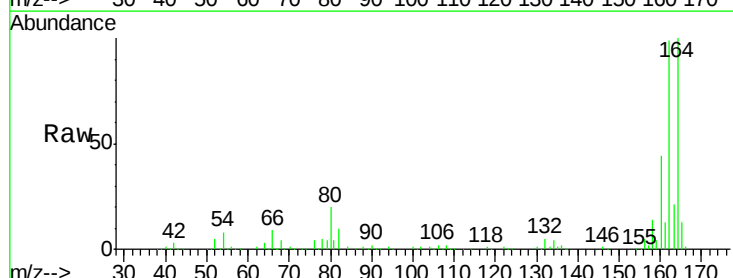


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

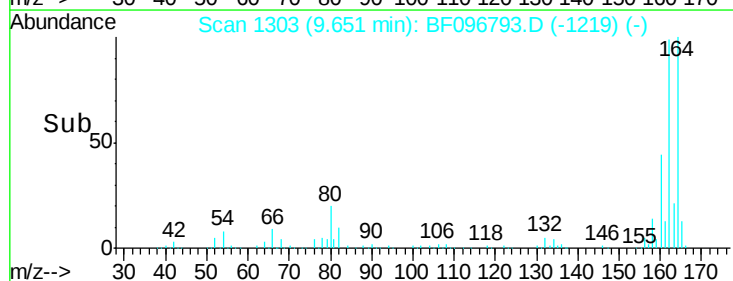
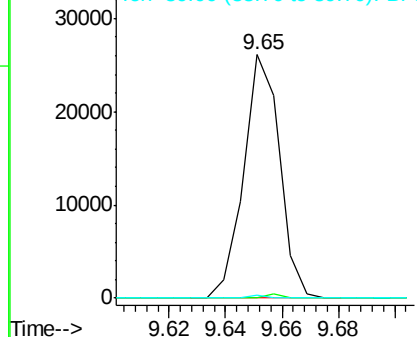


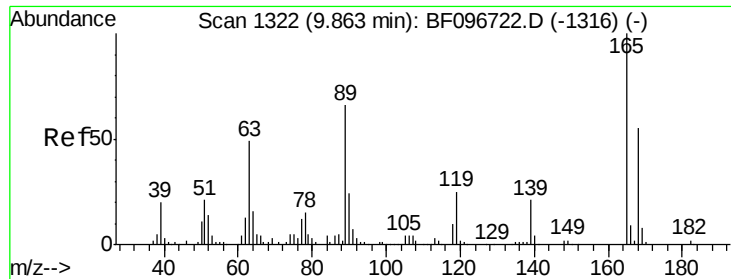
#50
2,6-Dinitrotoluene
Concen: 7.94 ng
RT: 9.65 min Scan# 1303
Delta R.T. 0.19 min
Lab File: BF096793.D
Acq: 15 Jul 2017 1:19

Tgt Ion:165 Resp: 23018
Ion Ratio Lower Upper
165 100
63 0.0 34.3 51.5#
89 1.4 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

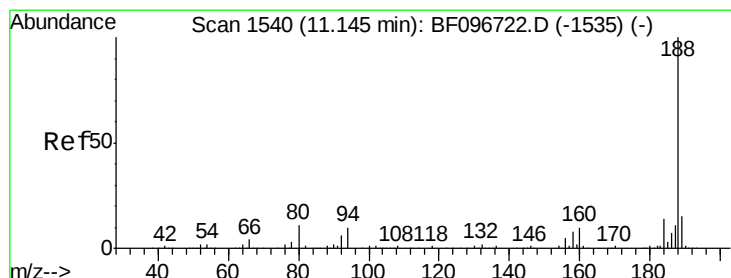
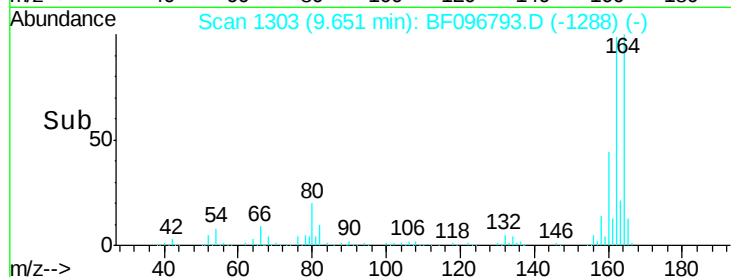
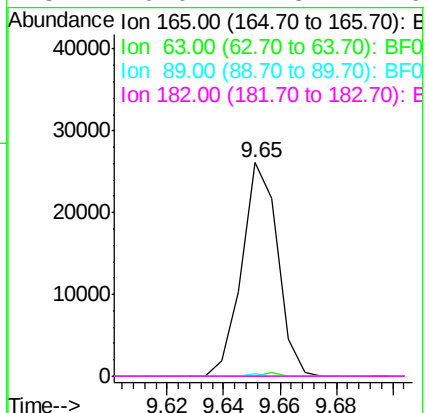
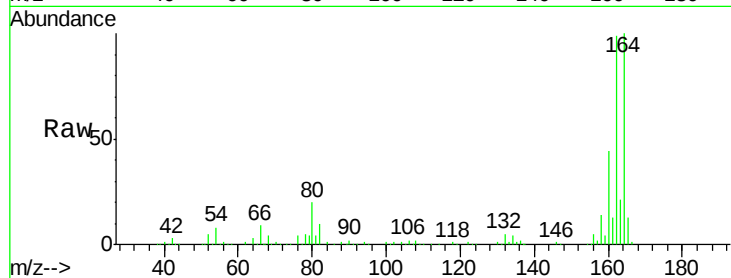




#56
 2,4-Dinitrotoluene
 Concen: 6.18 ng
 RT: 9.65 min Scan# 1303
 Delta R.T. -0.21 min
 Lab File: BF096793.D
 Acq: 15 Jul 2017 1:19

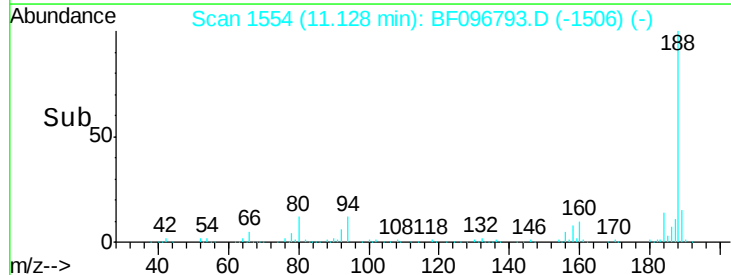
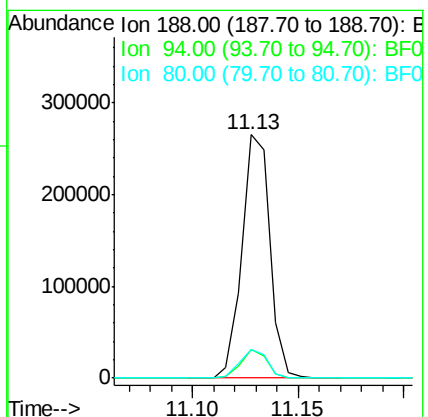
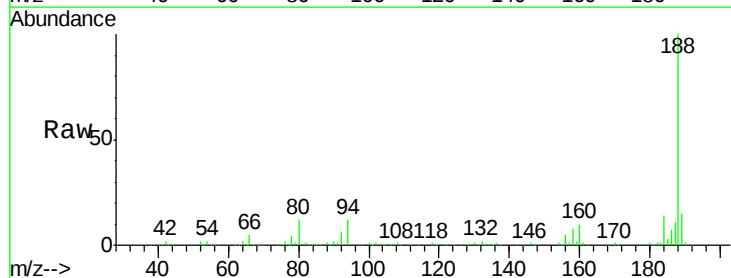
Instrument :
 BNA_F
 ClientSampleId :

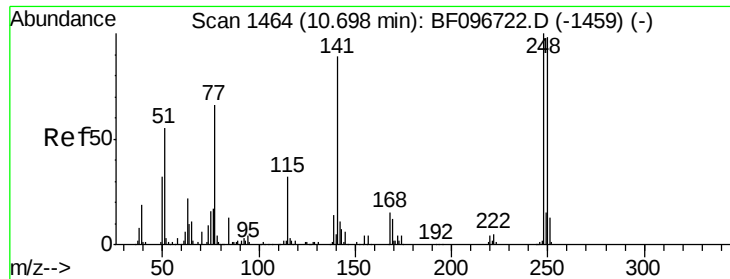
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 1554
 Delta R.T. -0.02 min
 Lab File: BF096793.D
 Acq: 15 Jul 2017 1:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.0	9.4	14.2
80	11.7	10.2	15.2

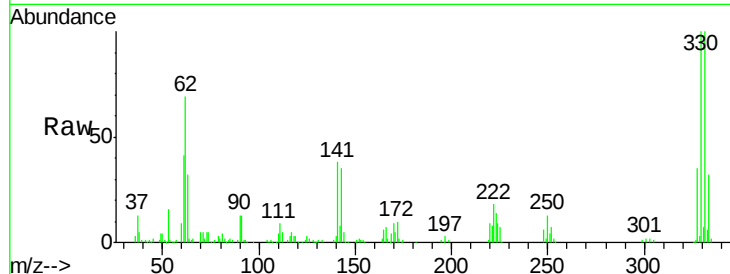




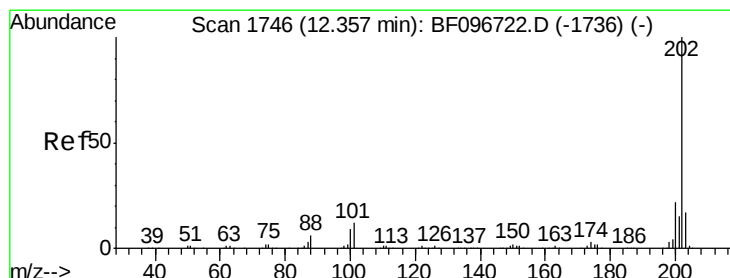
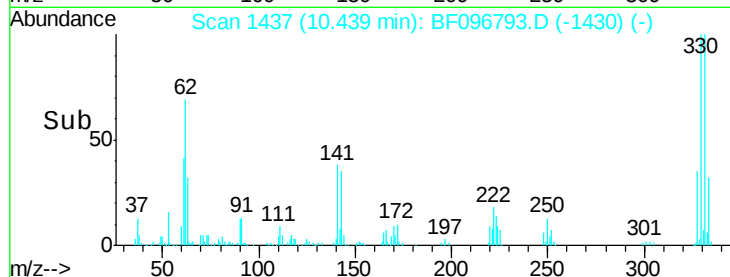
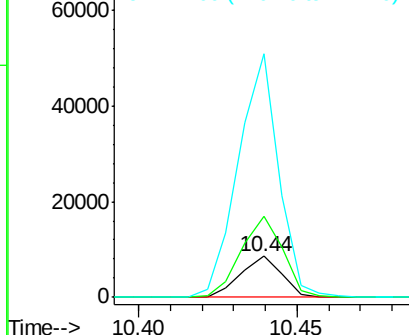
#66
 4-Bromophenyl-phenylether
 Concen: 3.08 ng
 RT: 10.44 min Scan# 1437
 Delta R.T. -0.26 min
 Lab File: BF096793.D
 Acq: 15 Jul 2017 1:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.1	76.8	115.2#
141	594.5	68.6	103.0#

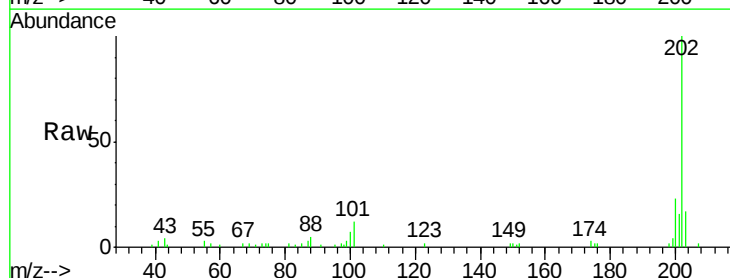


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

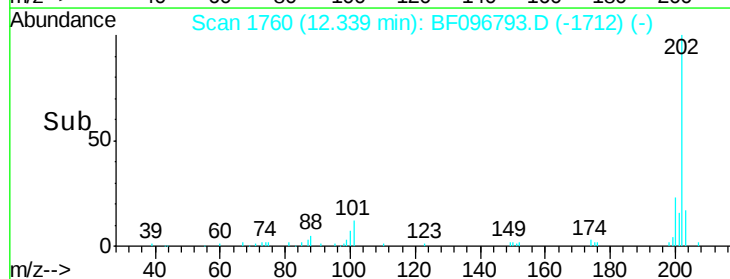
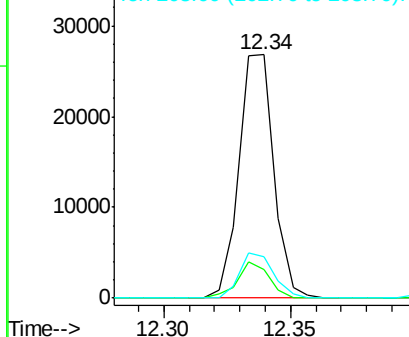


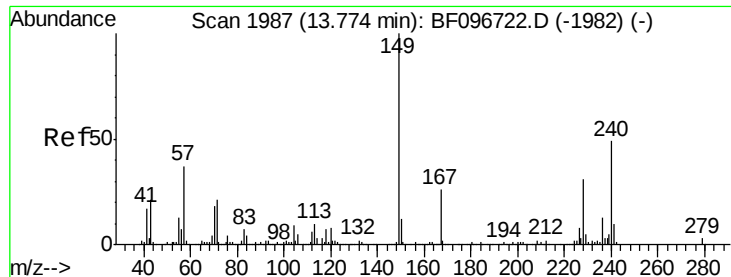
#74
 Fluoranthene
 Concen: 2.02 ng
 RT: 12.34 min Scan# 1760
 Delta R.T. -0.02 min
 Lab File: BF096793.D
 Acq: 15 Jul 2017 1:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.2
203	16.9	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: BF096793.D

Acq: 15 Jul 2017 1:19

Instrument :

BNA_F

ClientSampleId :

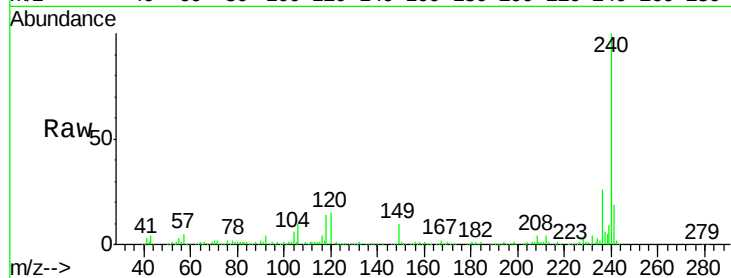
Tot Ion:240 Resp: 206723

Ion Ratio Lower Upper

240 100

120 15.3 5.8 8.8#

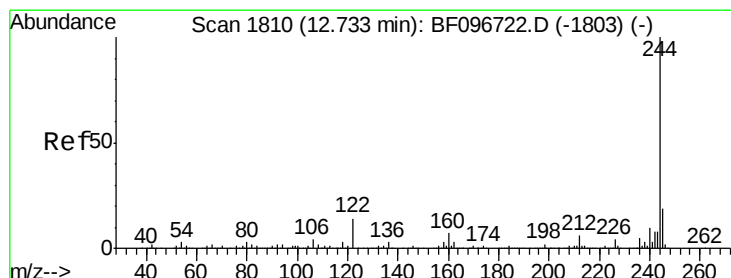
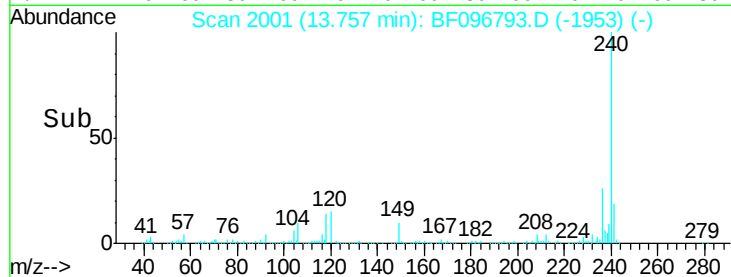
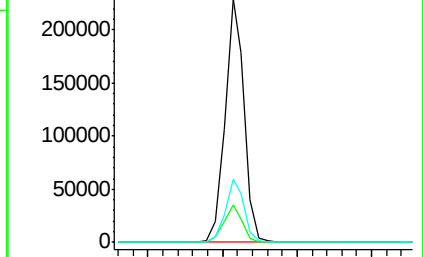
236 25.9 20.5 30.7



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



#78

Terphenyl-d14

Concen: 35.38 ng

RT: 12.72 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

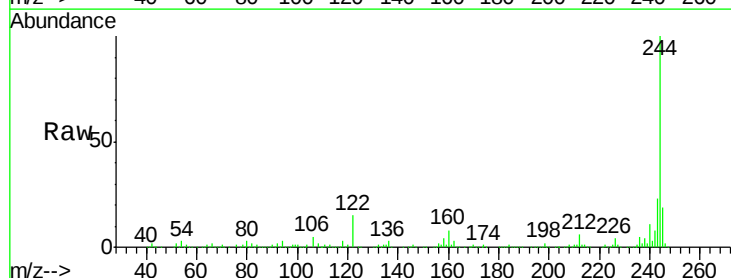
Tgt Ion:244 Resp: 421709

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

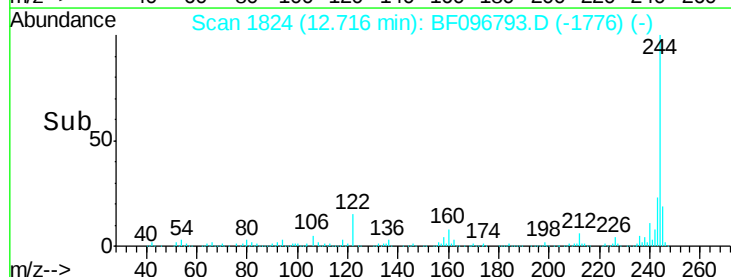
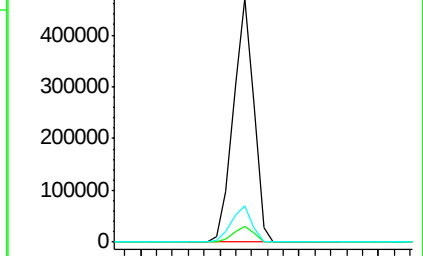
122 14.7 10.3 15.5

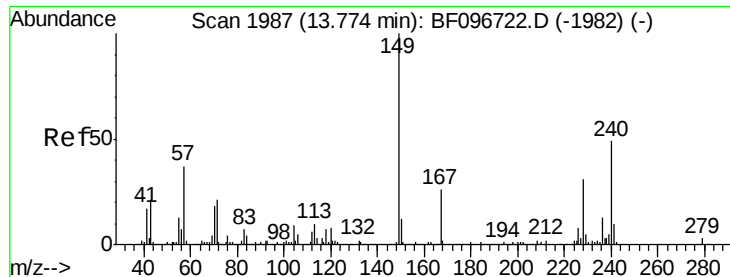


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.48 ng

RT: 13.76 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

Instrument :

BNA_F

ClientSampleId :

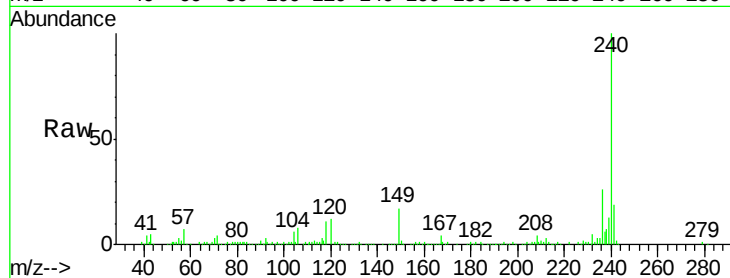
Tot Ion:149 Resp: 26870

Ion Ratio Lower Upper

149 100

167 25.8 21.0 31.4

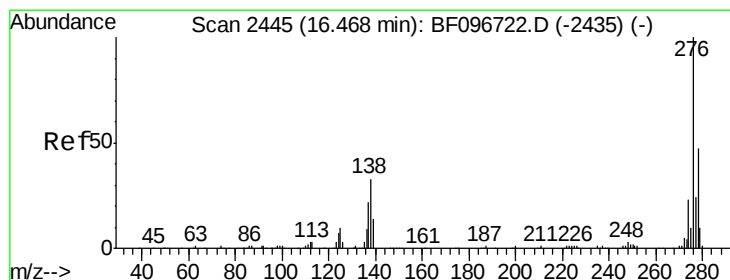
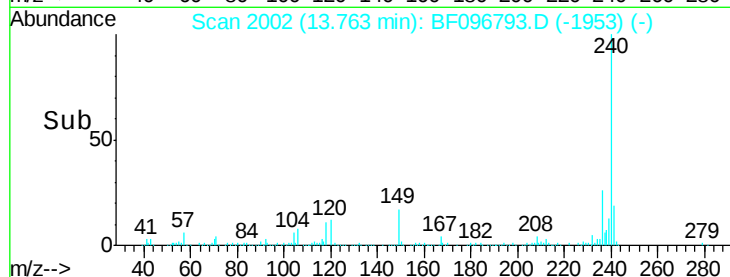
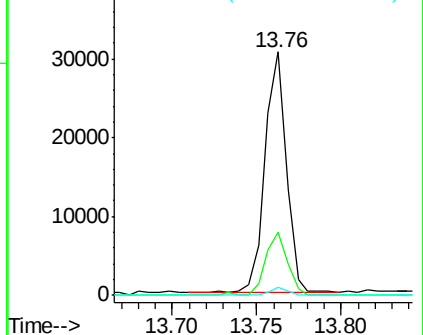
279 3.4 1.9 2.9#



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: 4.25 ng

RT: 16.43 min Scan# 2456

Delta R.T. -0.03 min

Lab File: BF096793.D

Acq: 15 Jul 2017 1:19

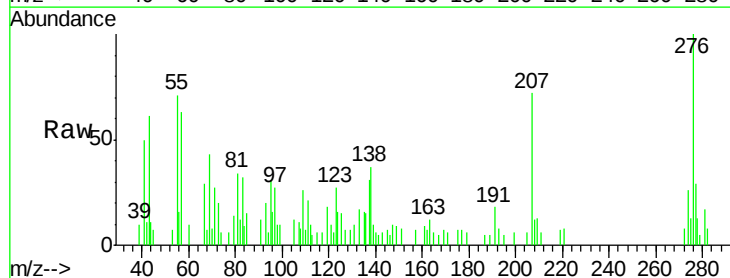
Tgt Ion:276 Resp: 11192

Ion Ratio Lower Upper

276 100

138 44.6 27.8 41.6#

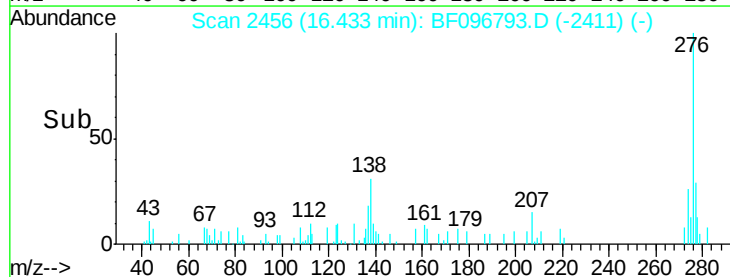
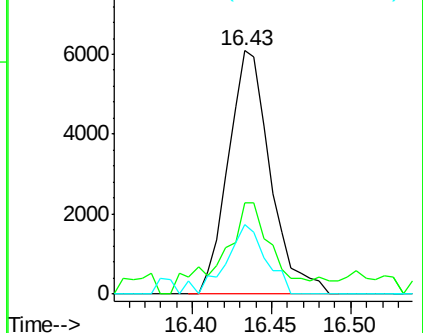
277 27.2 20.2 30.4

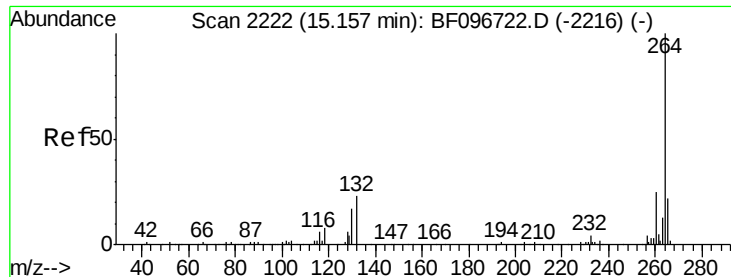


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

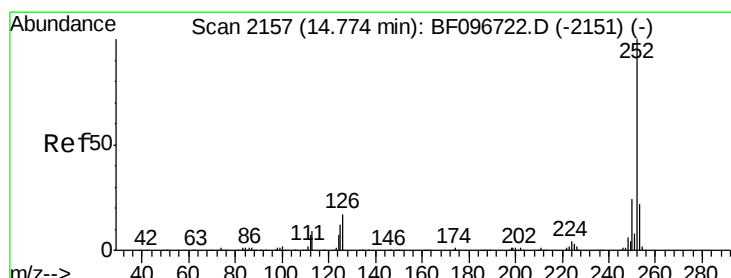
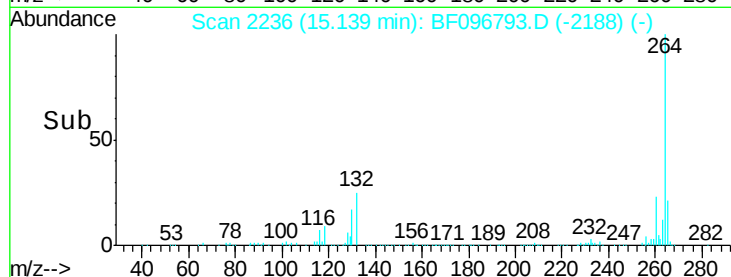
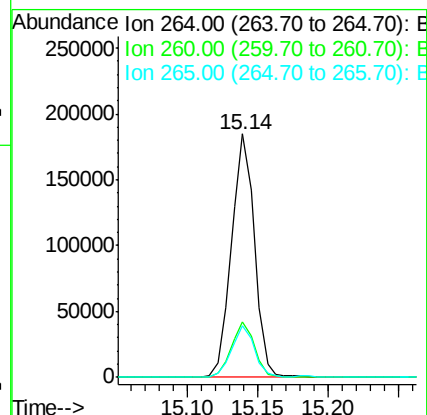
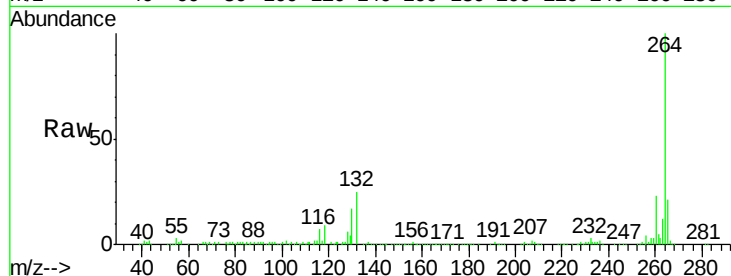




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF096793.D
Acq: 15 Jul 2017 1:19

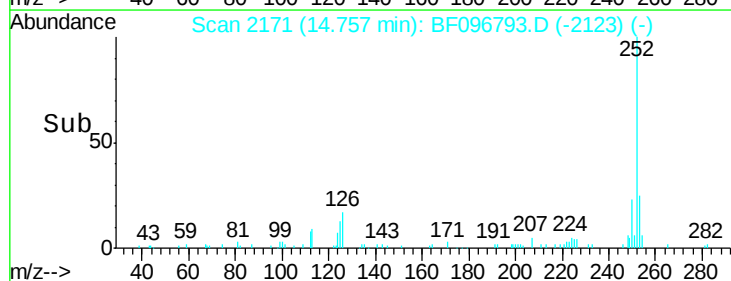
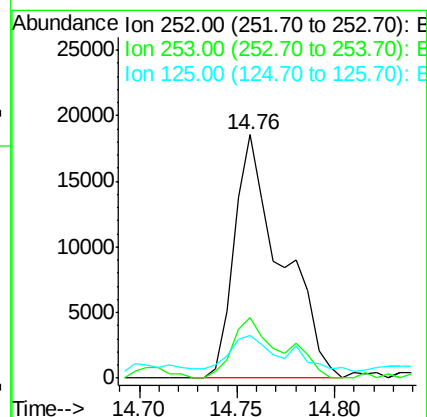
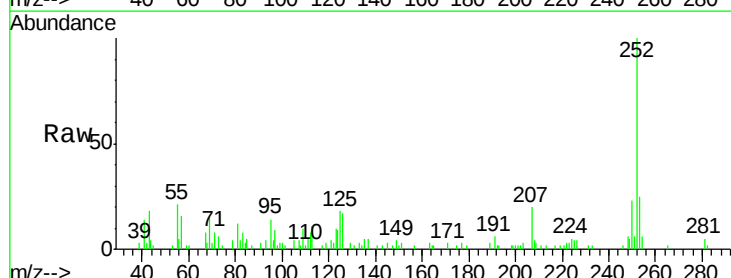
Instrument :
BNA_F
ClientSampleId :

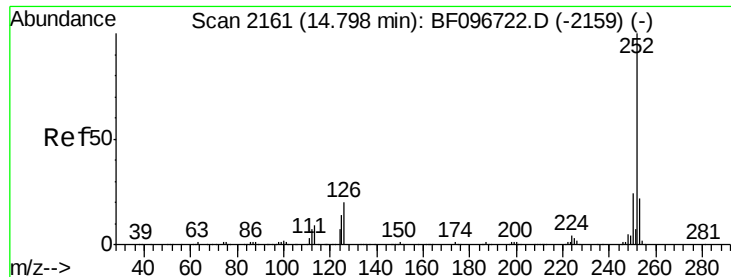
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.0	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.45 ng
RT: 14.76 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096793.D
Acq: 15 Jul 2017 1:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	17.8	9.8	14.8





#88
 Benzo(k)fluoranthene
 Concen: 2.59 ng
 RT: 14.76 min Scan# 2171
 Delta R.T. -0.04 min
 Lab File: BF096793.D
 Acq: 15 Jul 2017 1:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	17.8	13.1	19.7

