

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096882.D
 Acq On : 19 Jul 2017 20:56
 Operator : SJ/JU
 Sample : I4280-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 00:54:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

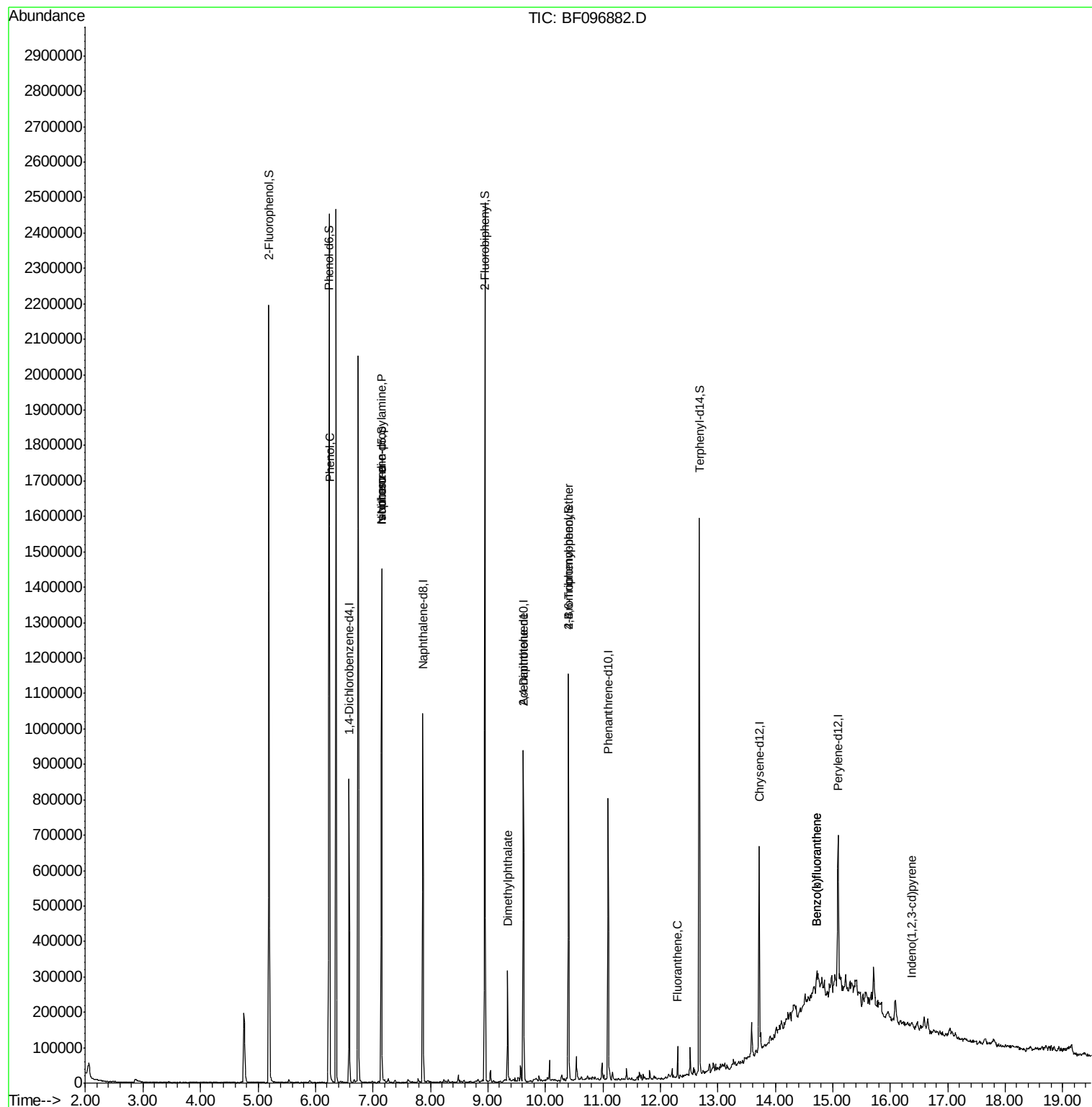
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	113362	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	423325	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	173751	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	258884	20.00	ng	-0.01
75) Chrysene-d12	13.72	240	197998	20.00	ng	-0.01
86) Perylene-d12	15.09	264	173597	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	687022	91.12	ng	0.00
7) Phenol-d6	6.24	99	894568	98.87	ng	-0.01
23) Nitrobenzene-d5	7.15	82	455737	66.68	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	127865	86.21	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	791447	71.97	ng	-0.01
78) Terphenyl-d14	12.68	244	499812	43.78	ng	-0.01
Target Compounds						
10) Phenol	6.25	94	36744	3.59	ng	Qvalue 93
19) n-Nitroso-di-n-propylamine	7.15	70	59687	10.95	ng	# 87
25) Isophorone	7.15	82	454925	35.78	ng	# 67
49) Dimethylphthalate	9.34	163	127034	9.71	ng	100
56) 2,4-Dinitrotoluene	9.62	165	21957	6.03	ng	# 32
66) 4-Bromophenyl-phenylether	10.40	248	7960	3.01	ng	# 1
74) Fluoranthene	12.30	202	32101	2.38	ng	96
85) Indeno(1,2,3-cd)pyrene	16.37	276	8190	4.03	ng	# 75
87) Benzo(b)fluoranthene	14.72	252	31991	3.06	ng	# 71
88) Benzo(k)fluoranthene	14.72	252	31991	3.23	ng	# 77

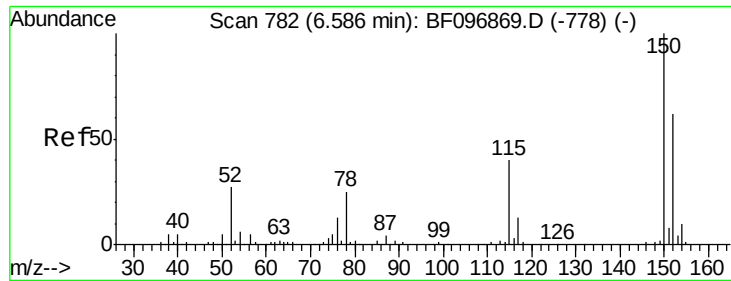
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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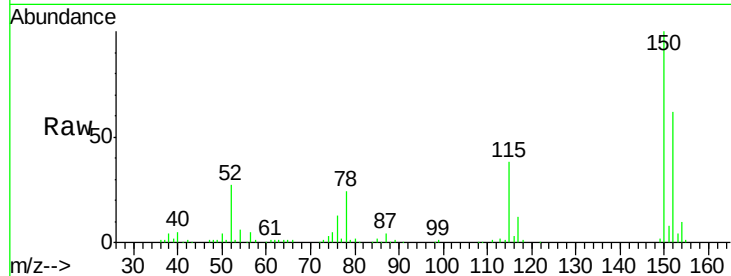


#1

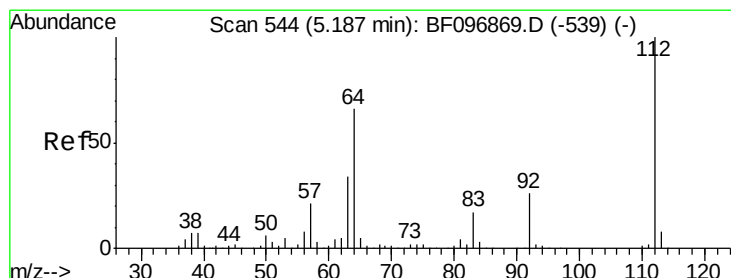
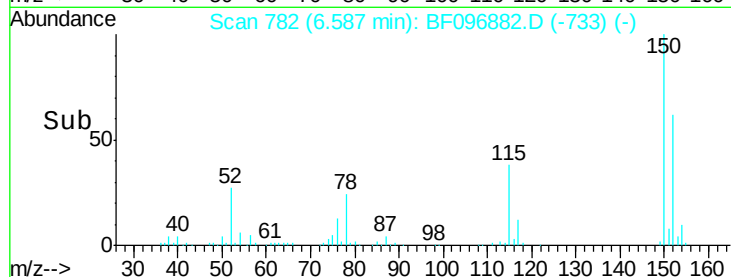
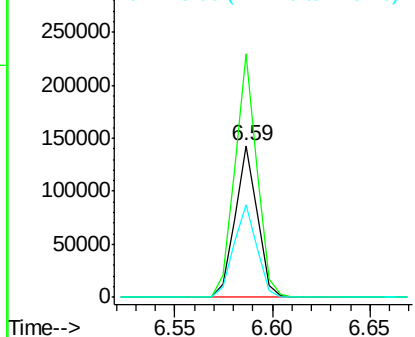
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096882.D
Acq: 19 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	61.1	52.2	78.2



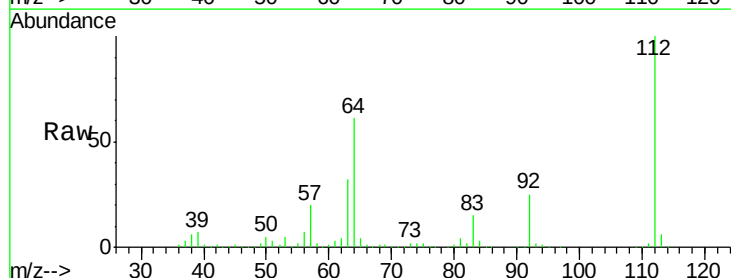
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



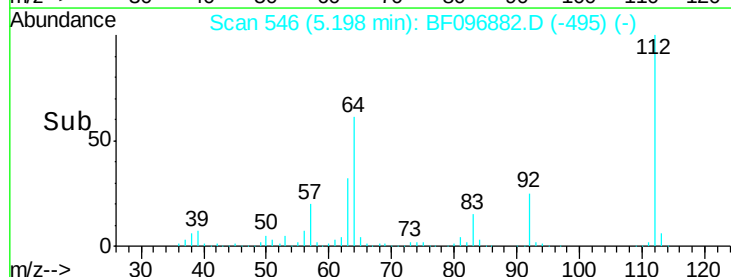
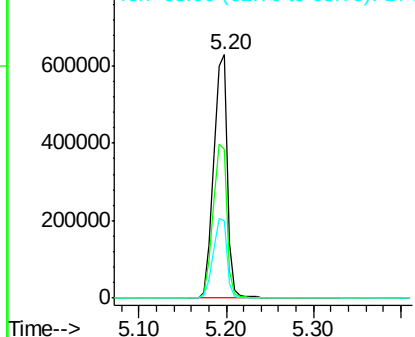
#5

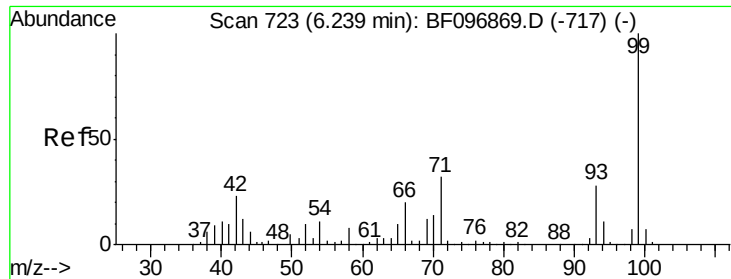
2-Fluorophenol
Concen: 91.12 ng
RT: 5.20 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF096882.D
Acq: 19 Jul 2017 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	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: 98.87 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF096882.D

Acq: 19 Jul 2017 20:56

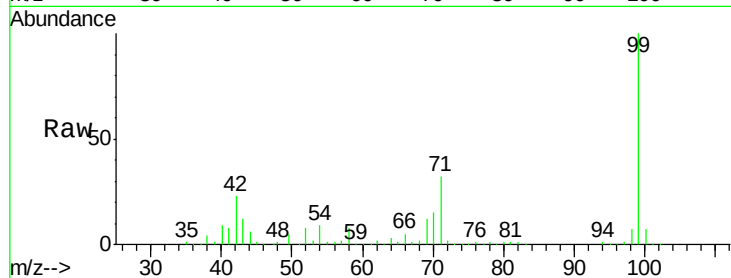
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 894568

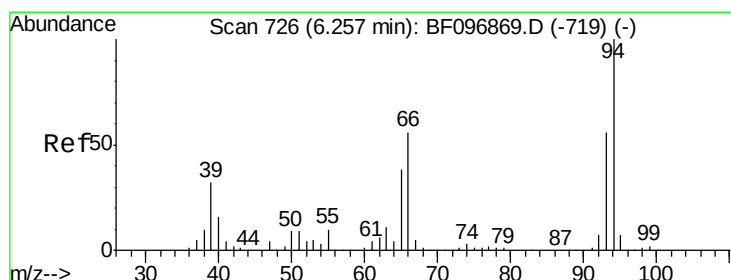
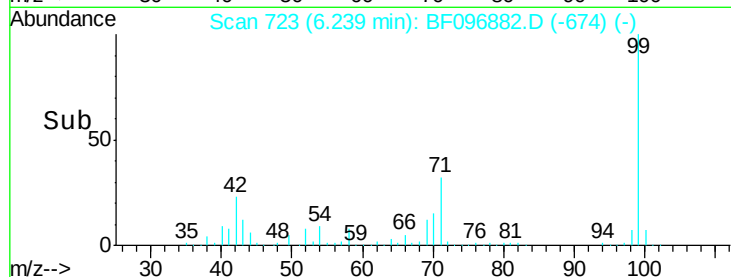
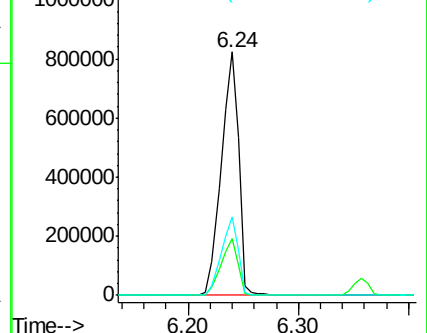
Ion	Ratio	Lower	Upper
99	100		
42	23.3	13.5	20.3#
71	32.2	24.5	36.7



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



#10

Phenol

Concen: 3.59 ng

RT: 6.25 min Scan# 725

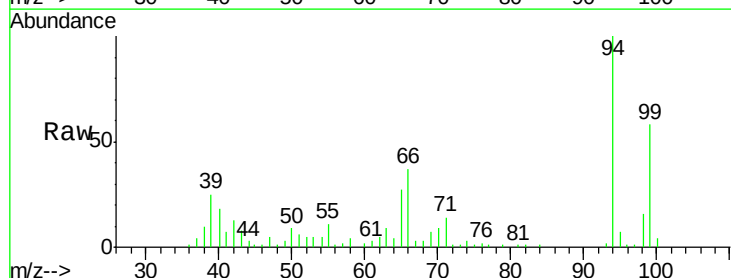
Delta R.T. -0.02 min

Lab File: BF096882.D

Acq: 19 Jul 2017 20:56

Tgt Ion: 94 Resp: 36744

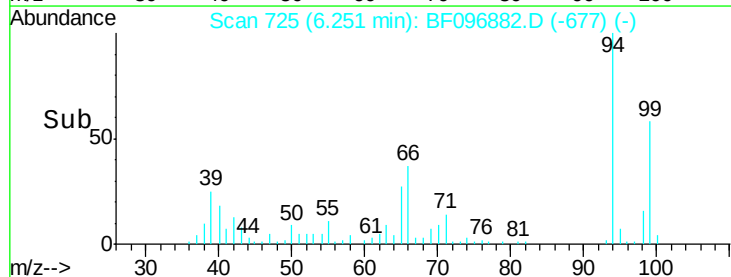
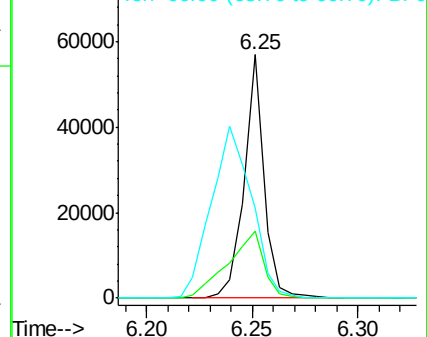
Ion	Ratio	Lower	Upper
94	100		
65	27.5	9.9	49.9
66	37.1	23.1	63.1

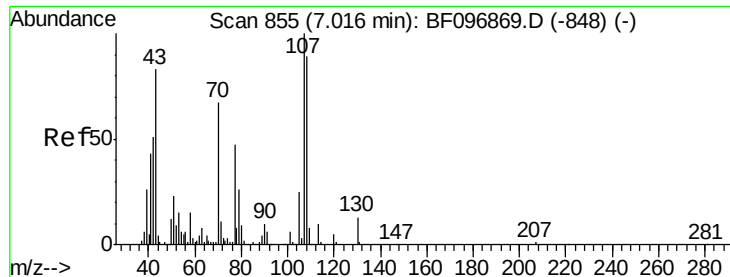


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

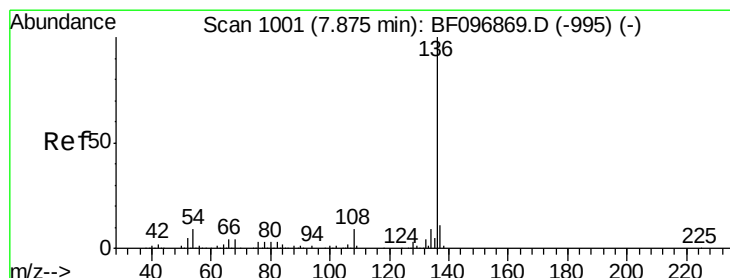
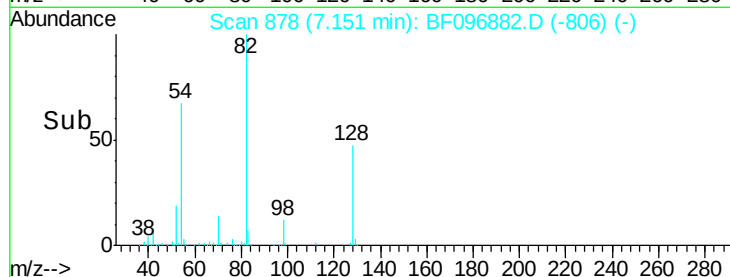
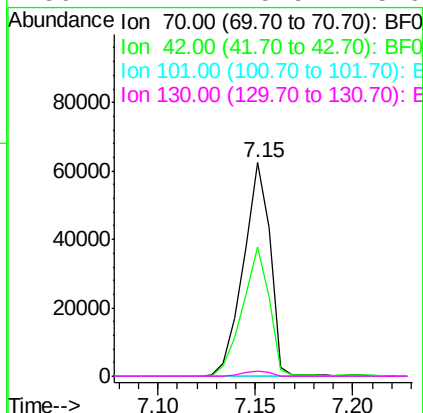
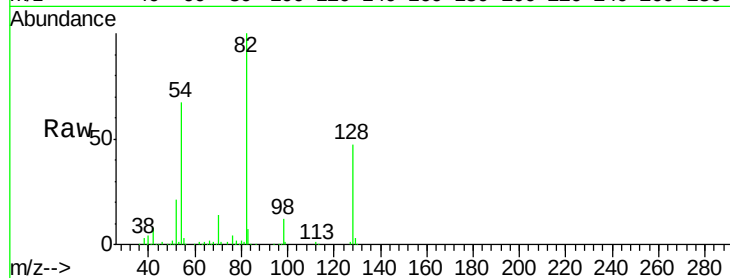




#19
 n-Nitroso-di-n-propylamine
 Concen: 10.95 ng
 RT: 7.15 min Scan# 878
 Delta R.T. 0.12 min
 Lab File: BF096882.D
 Acq: 19 Jul 2017 20:56

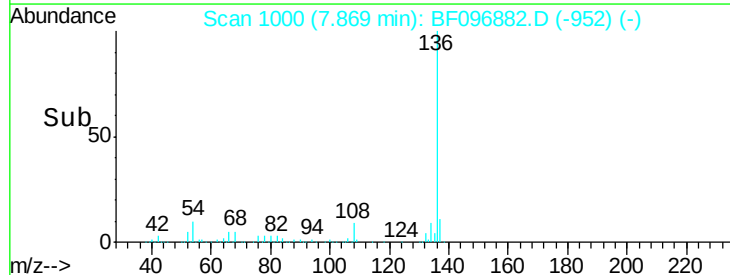
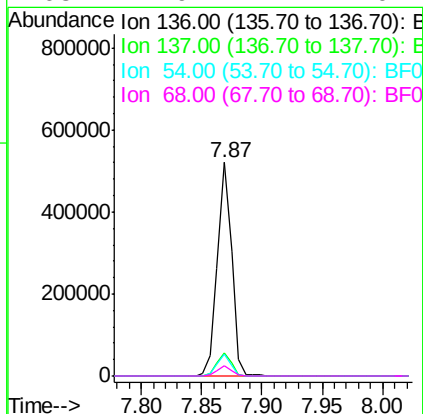
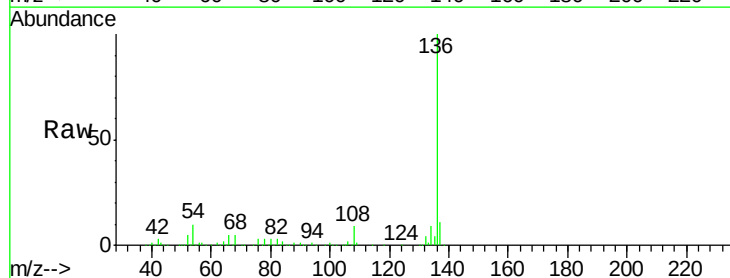
Instrument :
 BNA_F
 ClientSampleId :

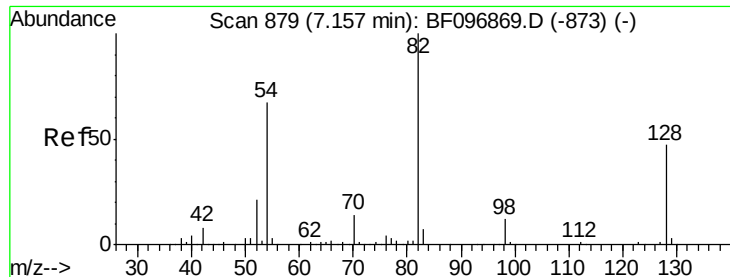
Tot Ion	Ratio	Lower	Upper
70	100		
42	60.5	47.2	70.8
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.87 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: BF096882.D
 Acq: 19 Jul 2017 20:56

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.3	4.9	7.3#
68	4.9	4.1	6.1

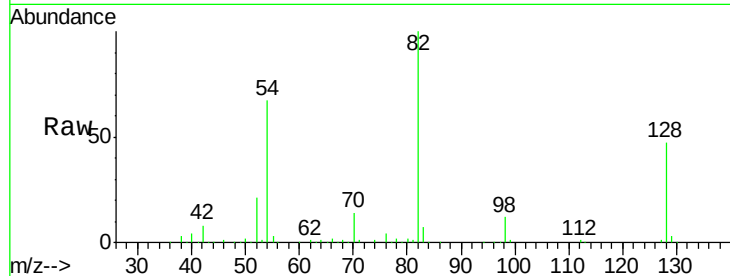




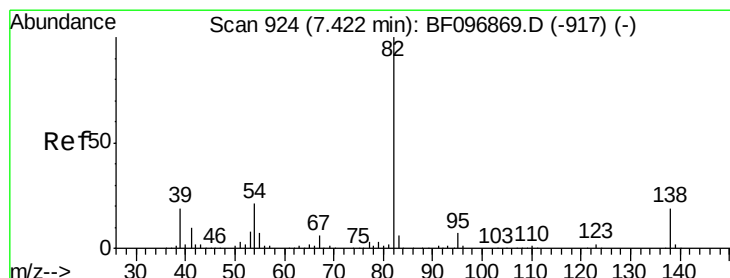
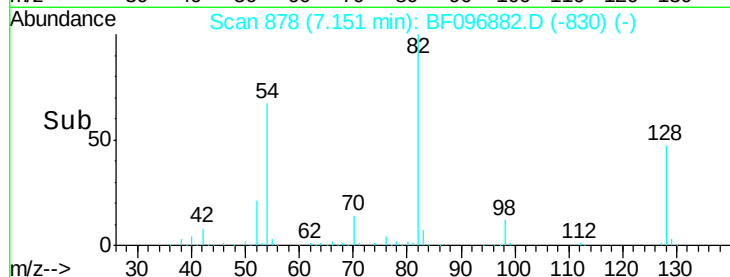
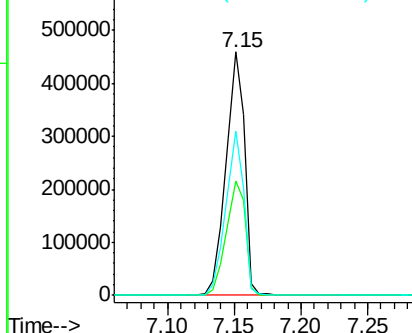
#23
Nitrobenzene-d5
Concen: 66.68 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF096882.D
Acq: 19 Jul 2017 20:56

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 455737
Ion Ratio Lower Upper
82 100
128 46.9 34.0 51.0
54 67.3 42.2 63.2#

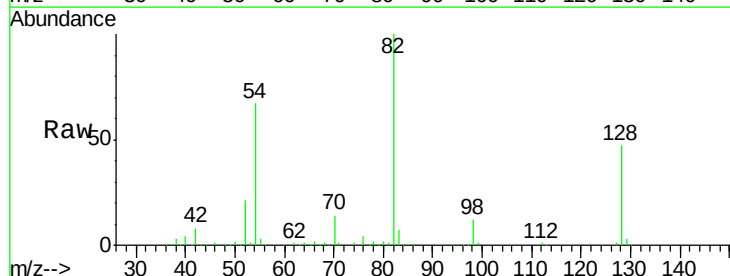


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

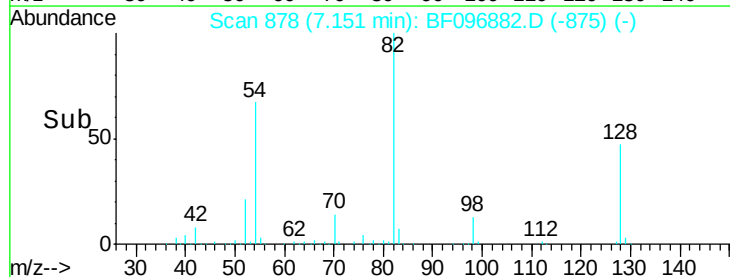
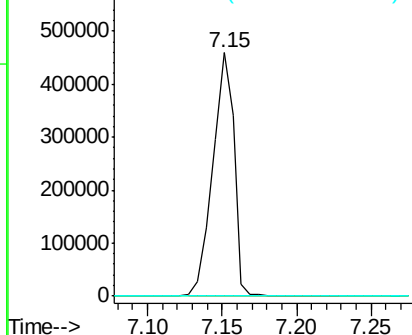


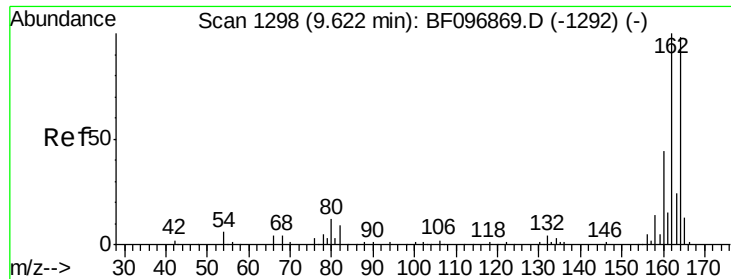
#25
Isophorone
Concen: 35.78 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.28 min
Lab File: BF096882.D
Acq: 19 Jul 2017 20:56

Tgt Ion: 82 Resp: 454925
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: 9.62 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF096882.D

Acq: 19 Jul 2017 20:56

Instrument :

BNA_F

ClientSampleId :

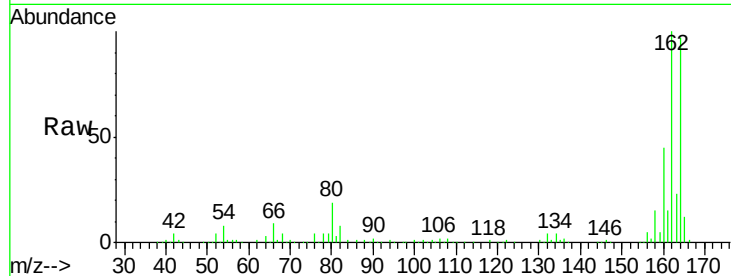
Tot Ion:164 Resp: 173751

Ion Ratio Lower Upper

164 100

162 103.0 82.6 123.8

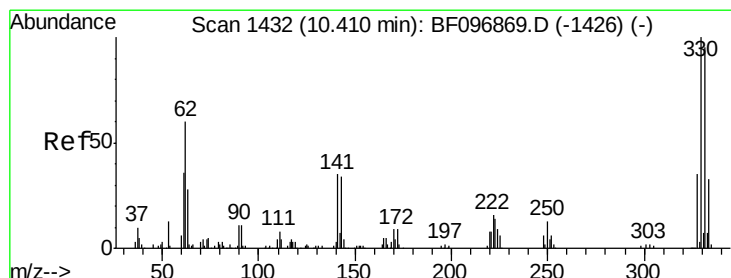
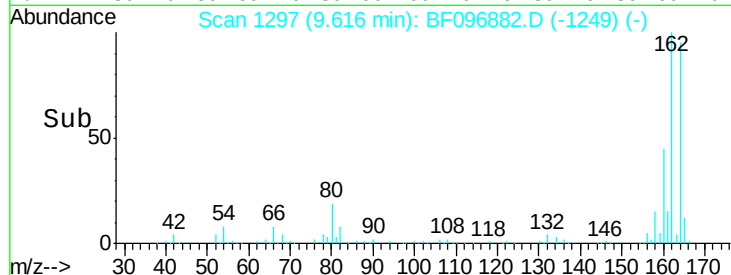
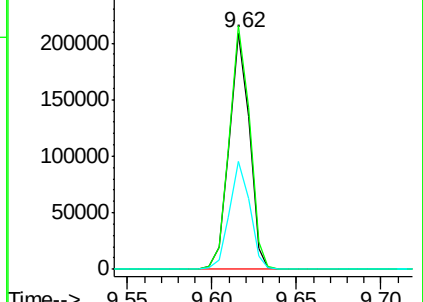
160 45.9 36.2 54.2



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: 86.21 ng

RT: 10.40 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF096882.D

Acq: 19 Jul 2017 20:56

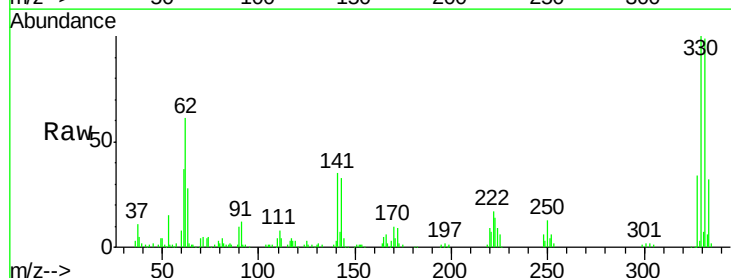
Tgt Ion:330 Resp: 127865

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

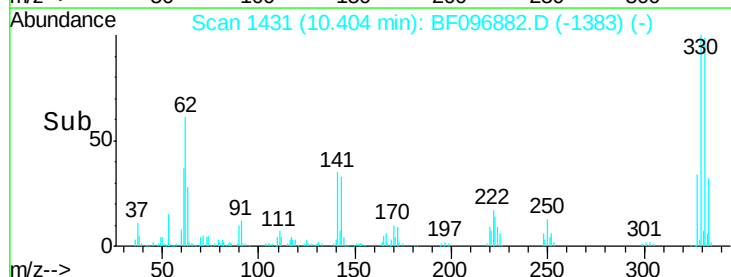
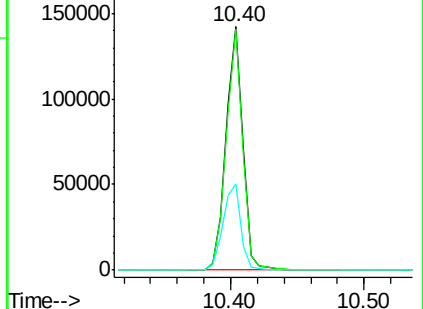
141 37.1 31.4 47.2

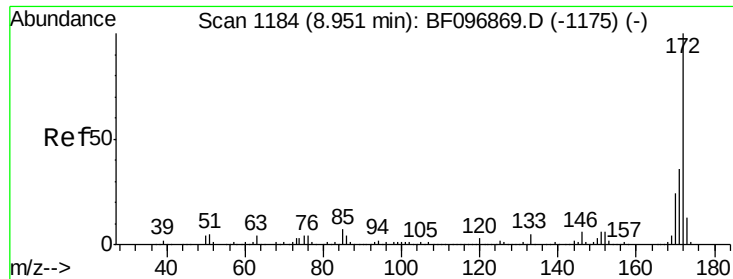


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

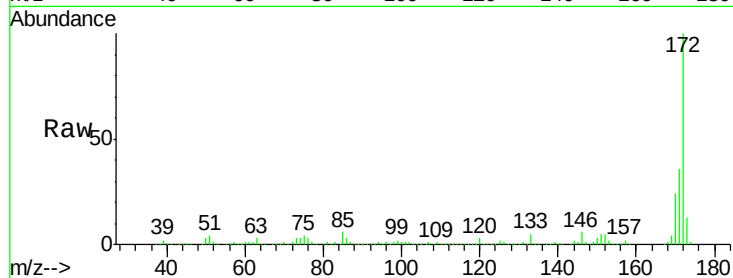




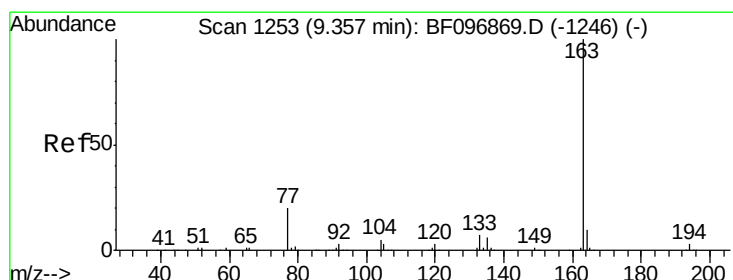
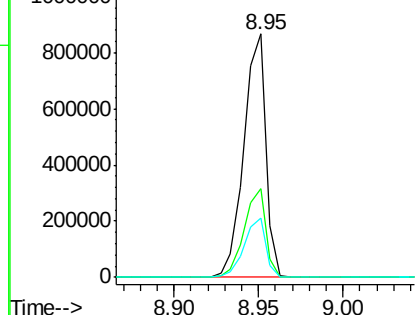
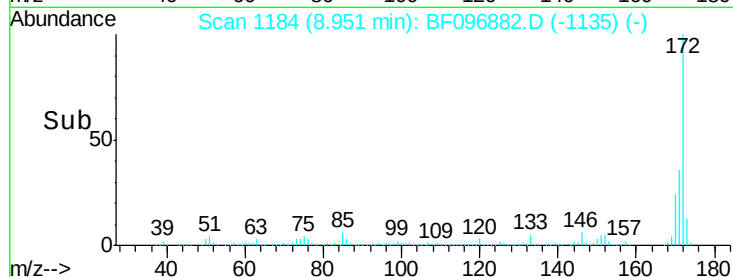
#44
2-Fluorobiphenyl
Concen: 71.97 ng
RT: 8.95 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF096882.D
Acq: 19 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.4	19.8	29.8

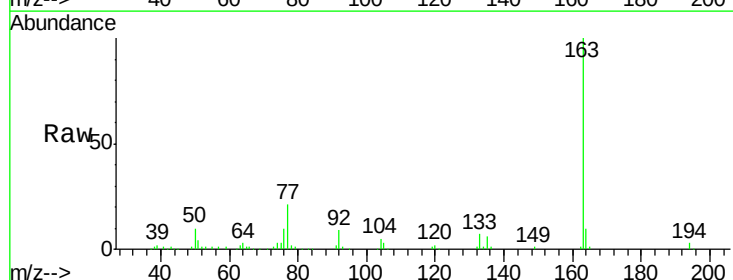


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

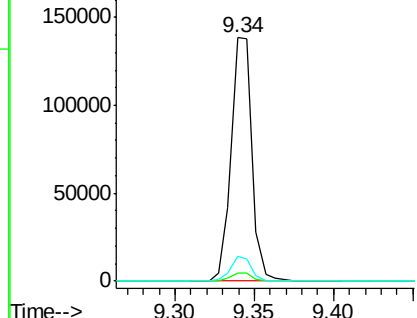
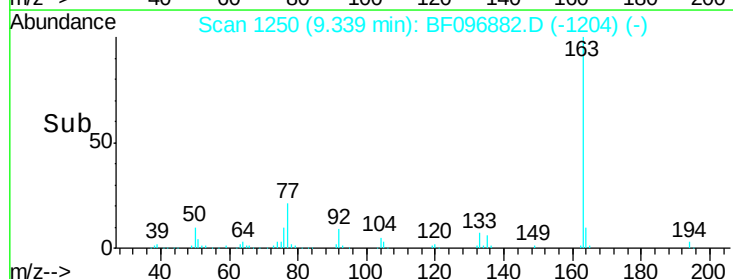


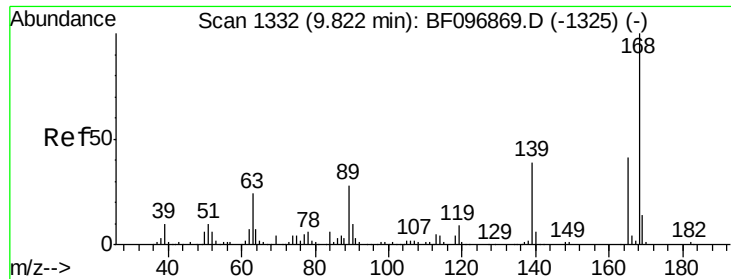
#49
Dimethylphthalate
Concen: 9.71 ng
RT: 9.34 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096882.D
Acq: 19 Jul 2017 20:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.4	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

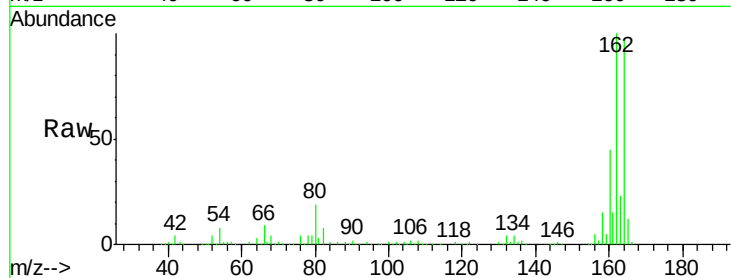




#56
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.62 min Scan# 1297
Delta R.T. -0.21 min
Lab File: BF096882.D
Acq: 19 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#

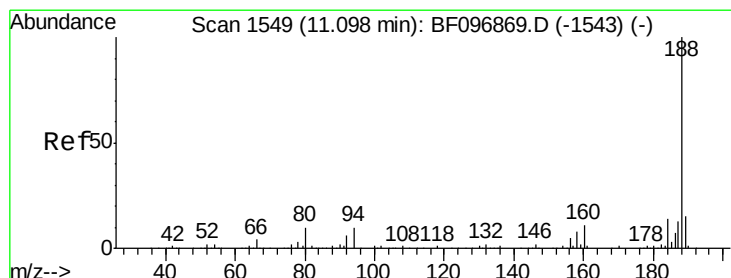
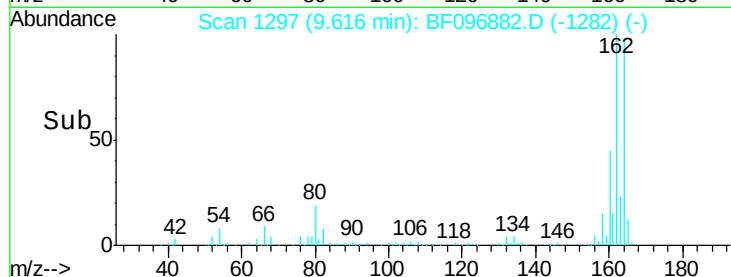
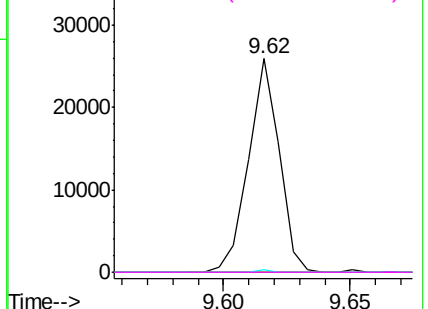


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

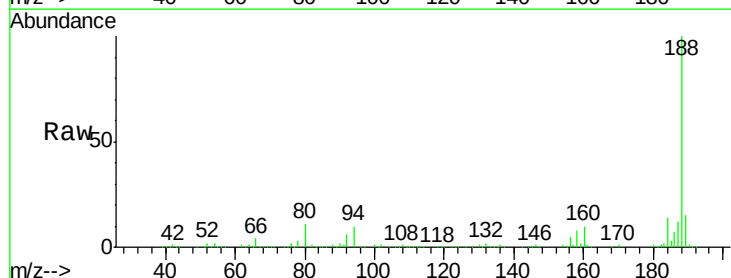
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF096882.D
Acq: 19 Jul 2017 20:56

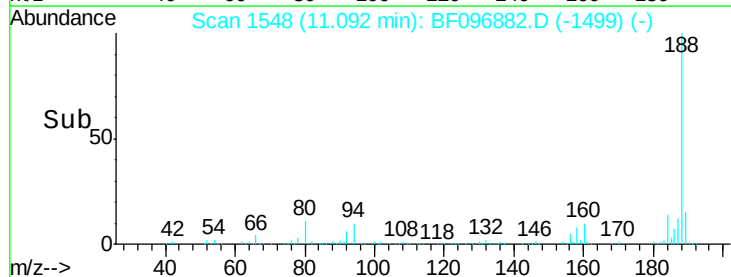
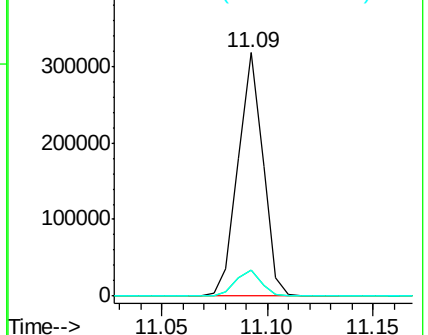
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	9.4	14.2
80	10.8	10.2	15.2

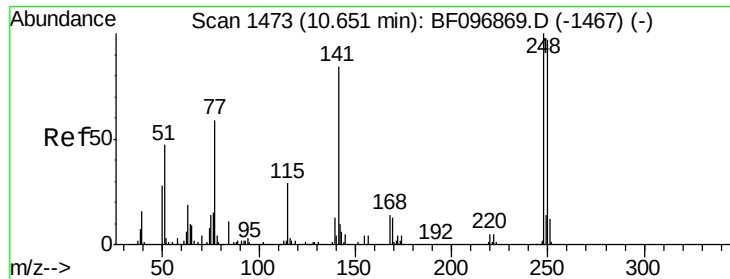


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

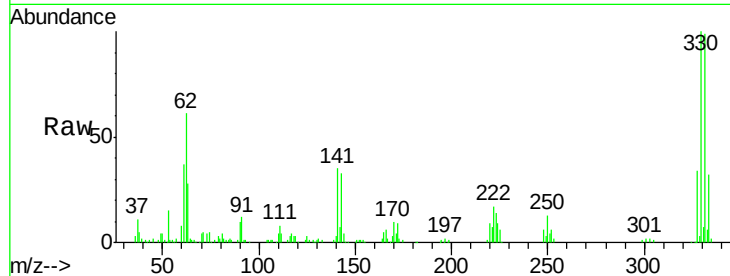




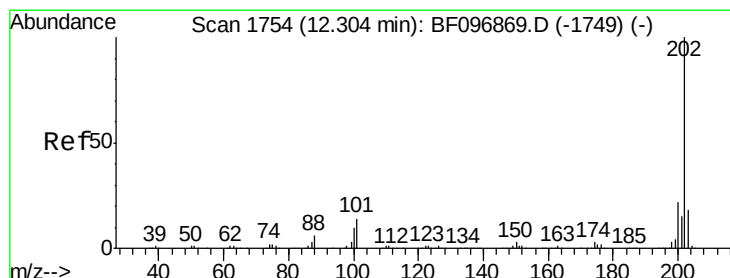
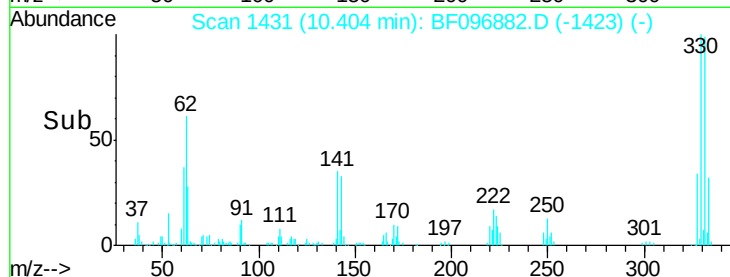
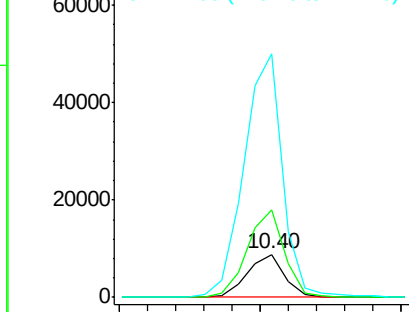
#66
 4-Bromophenyl-phenylether
 Concen: 3.01 ng
 RT: 10.40 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF096882.D
 Acq: 19 Jul 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7960
 Ion Ratio Lower Upper
 248 100
 250 201.3 76.8 115.2#
 141 562.5 68.6 103.0#

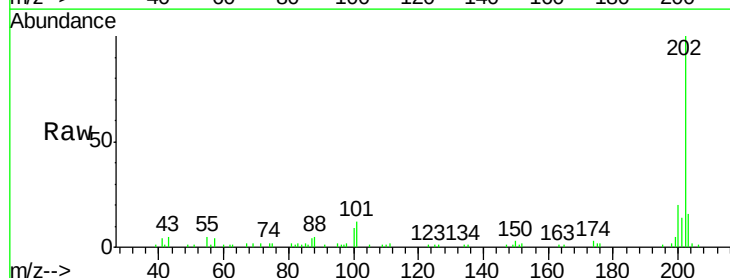


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

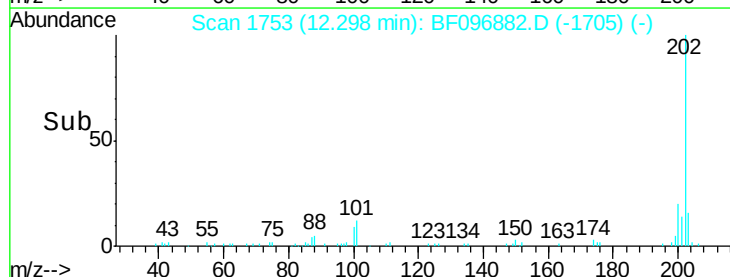
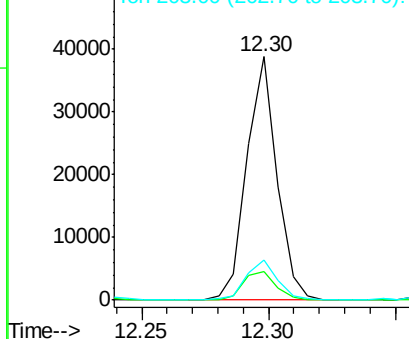


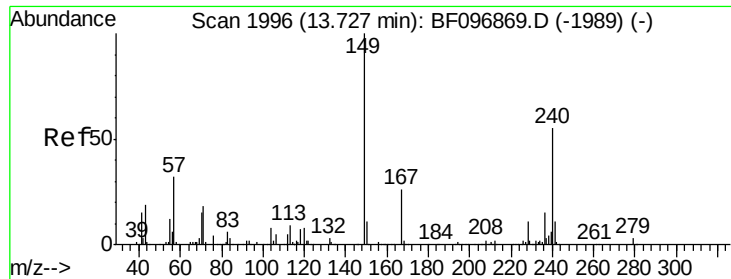
#74
 Fluoranthene
 Concen: 2.38 ng
 RT: 12.30 min Scan# 1753
 Delta R.T. -0.02 min
 Lab File: BF096882.D
 Acq: 19 Jul 2017 20:56

Tgt Ion:202 Resp: 32101
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 33.2
 203 16.4 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: 13.72 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF096882.D

Acq: 19 Jul 2017 20:56

Instrument :

BNA_F

ClientSampleId :

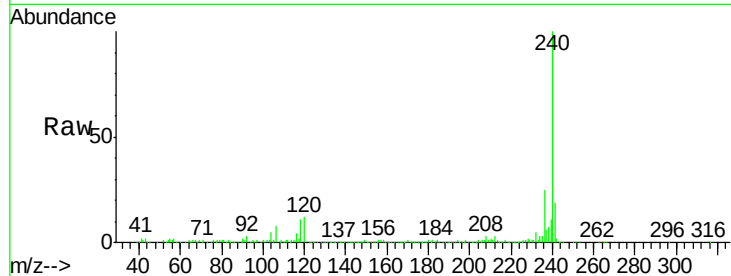
Tot Ion:240 Resp: 197998

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

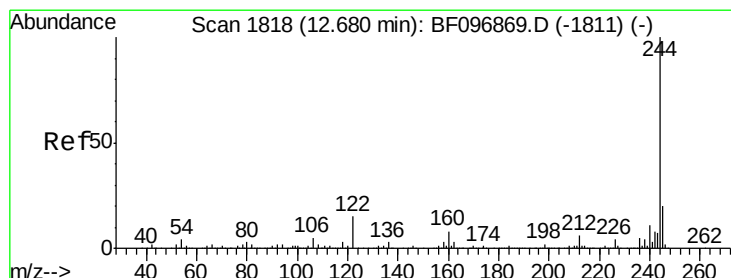
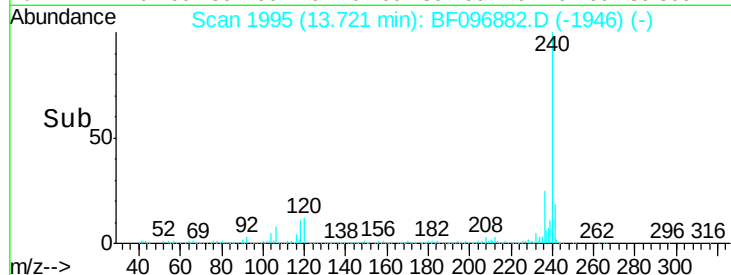
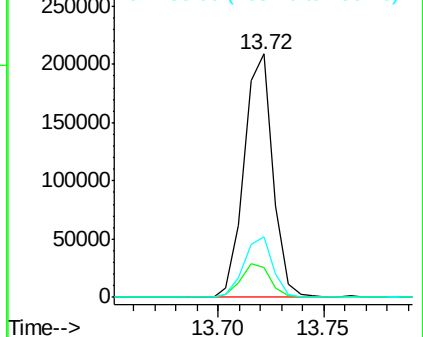
236 24.9 20.5 30.7



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: 43.78 ng

RT: 12.68 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF096882.D

Acq: 19 Jul 2017 20:56

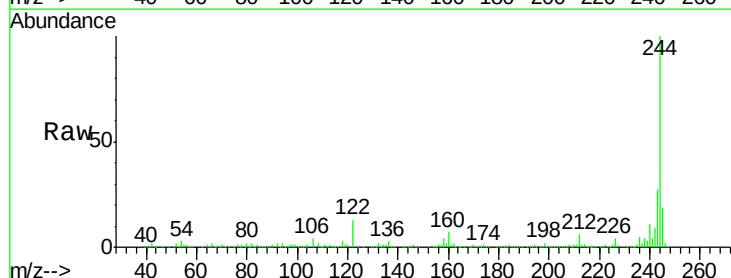
Tgt Ion:244 Resp: 499812

Ion Ratio Lower Upper

244 100

212 6.3 6.0 9.0

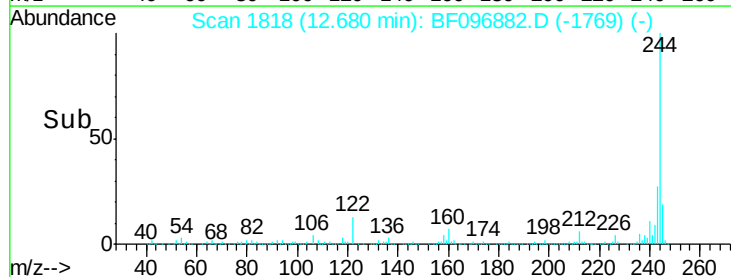
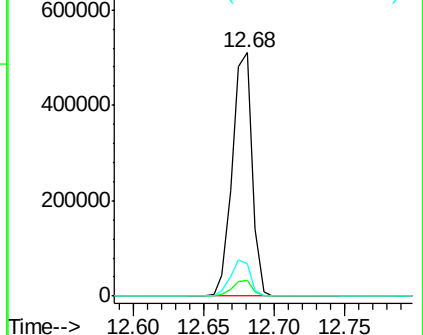
122 13.3 10.3 15.5

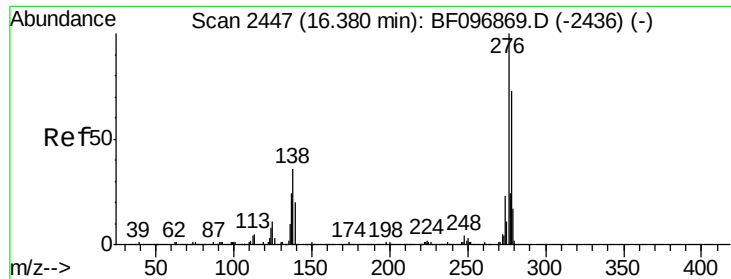


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

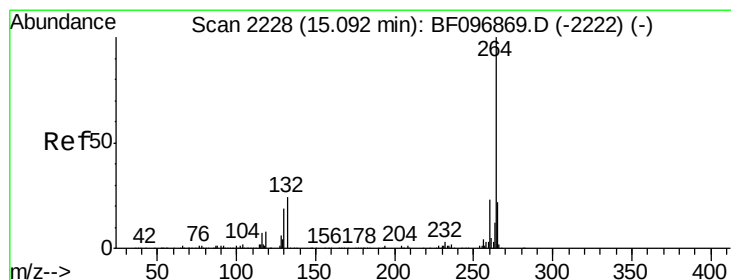
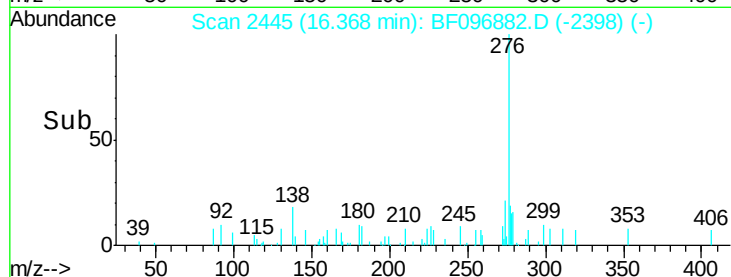
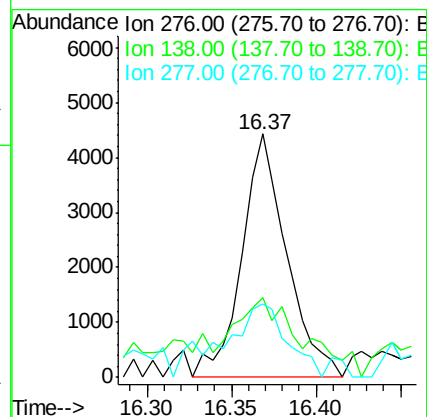
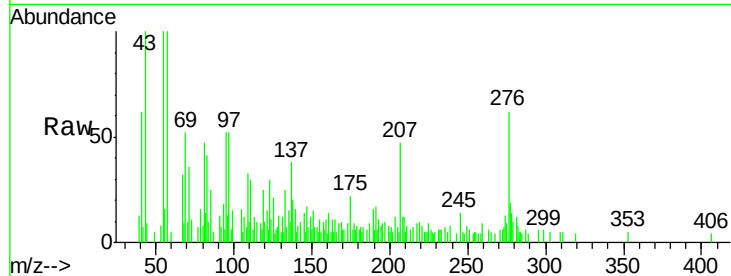




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.03 ng
 RT: 16.37 min Scan# 2445
 Delta R.T. -0.02 min
 Lab File: BF096882.D
 Acq: 19 Jul 2017 20:56

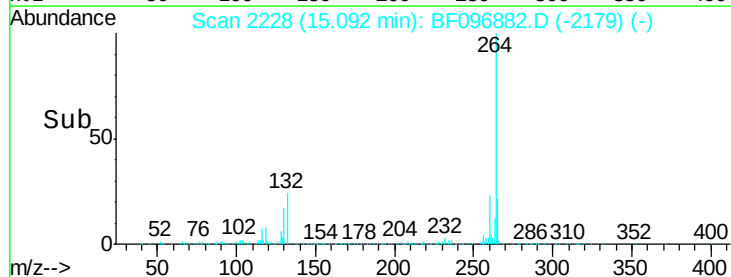
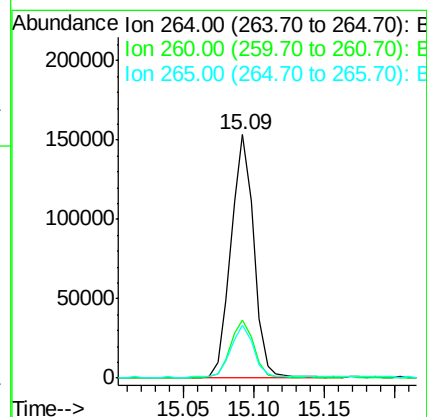
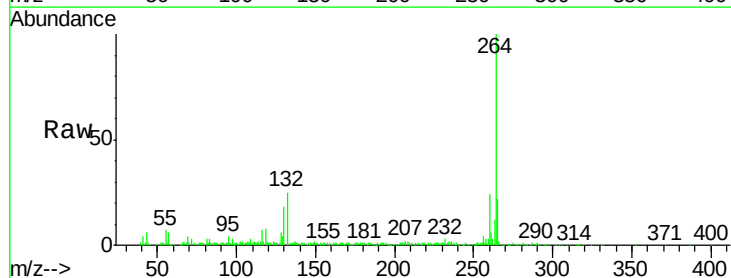
Instrument :
 BNA_F
 ClientSampleId :

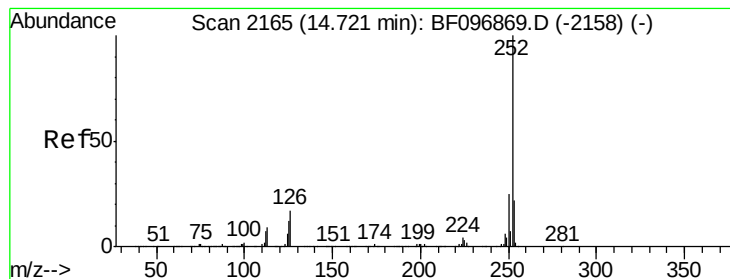
Tot Ion:276 Resp: 8190
 Ion Ratio Lower Upper
 276 100
 138 49.7 27.8 41.6#
 277 37.0 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.09 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BF096882.D
 Acq: 19 Jul 2017 20:56

Tgt Ion:264 Resp: 173597
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 21.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 3.06 ng

RT: 14.72 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF096882.D

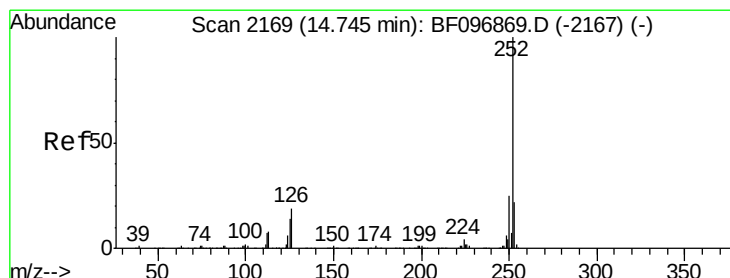
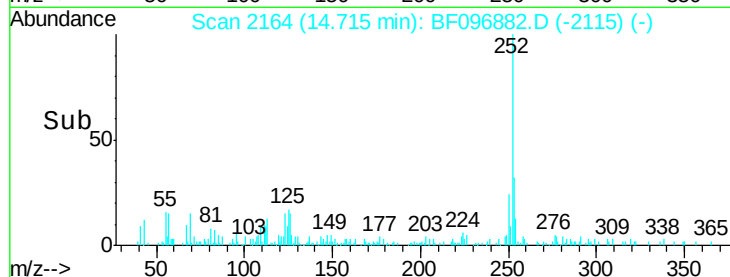
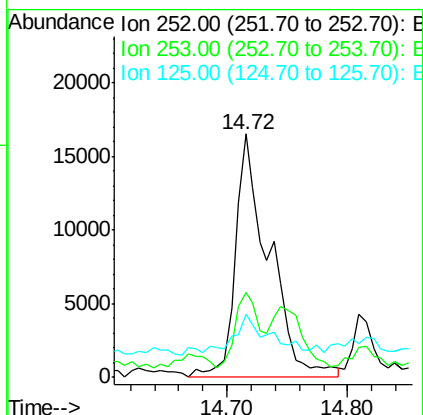
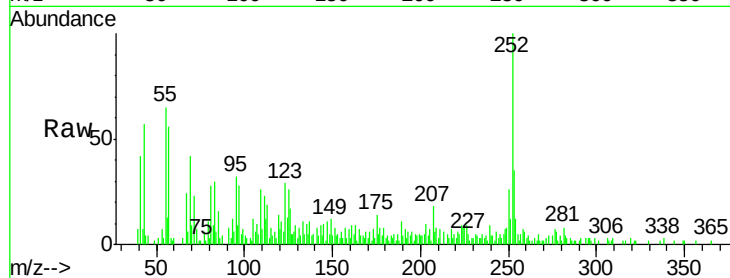
Acq: 19 Jul 2017 20:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	31991
Ion Ratio	Lower	Upper
252	100	
253	34.7	18.1 27.1#
125	25.9	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 3.23 ng

RT: 14.72 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF096882.D

Acq: 19 Jul 2017 20:56

Tgt Ion:252	Resp:	31991
Ion Ratio	Lower	Upper
252	100	
253	34.7	18.4 27.6#
125	25.9	13.1 19.7#

