

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
 Data File : BF097807.D
 Acq On : 18 Aug 2017 1:09
 Operator : SJ/JU
 Sample : I4761-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RUSB-06

Quant Time: Aug 18 02:31:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

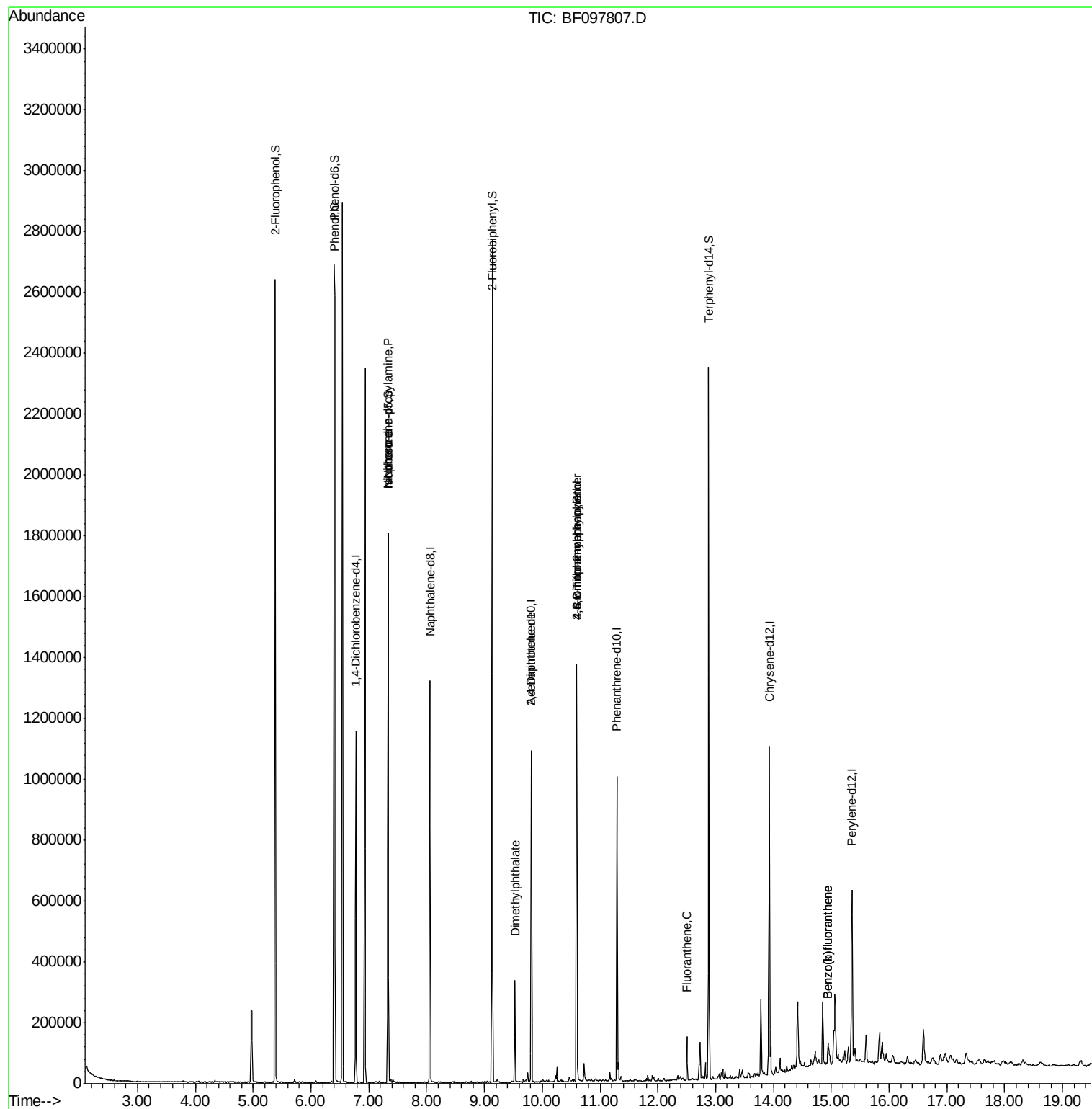
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	142142	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	511329	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	192273	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	327665	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	321005	20.00	ng	-0.01
86) Perylene-d12	15.36	264	239415	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	799670	85.57	ng	0.00
7) Phenol-d6	6.40	99	1064174	83.81	ng	0.00
23) Nitrobenzene-d5	7.34	82	622117	66.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	134471	80.60	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	862096	65.87	ng	-0.01
78) Terphenyl-d14	12.88	244	661766	42.99	ng	-0.01
Target Compounds						
10) Phenol	6.42	94	36571	2.46	ng	97
19) n-Nitroso-di-n-propylamine	7.34	70	84715	9.75	ng	# 72
25) Isophorone	7.34	82	622110	31.79	ng	# 67
49) Dimethylphthalate	9.53	163	103670	7.38	ng	98
56) 2,4-Dinitrotoluene	9.81	165	24023	6.82	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.60	198	367	8.52	ng	# 7
66) 4-Bromophenyl-phenylether	10.60	248	9791	2.88	ng	# 1
74) Fluoranthene	12.50	202	49543	2.72	ng	97
87) Benzo(b)fluoranthene	14.94	252	44557	2.95	ng	94
88) Benzo(k)fluoranthene	14.94	252	44557	3.14	ng	96

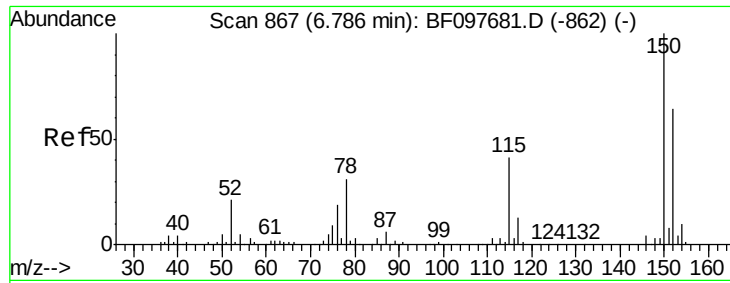
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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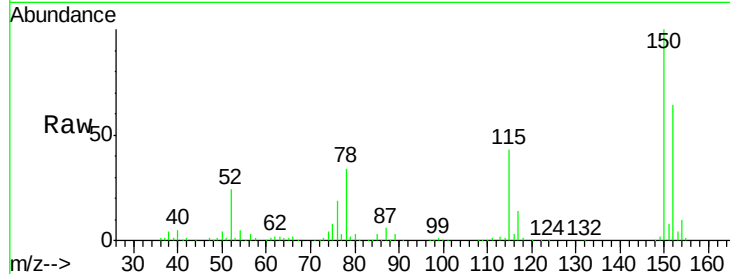


#1

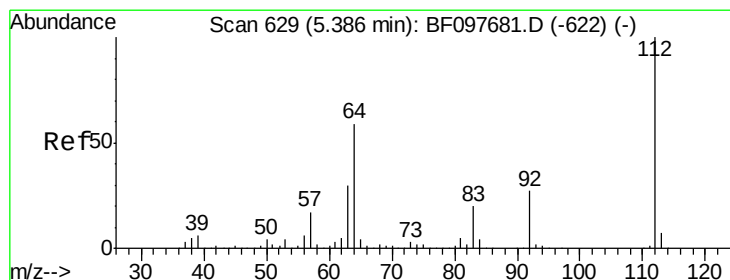
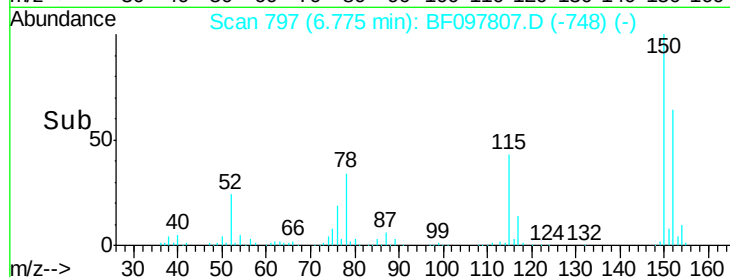
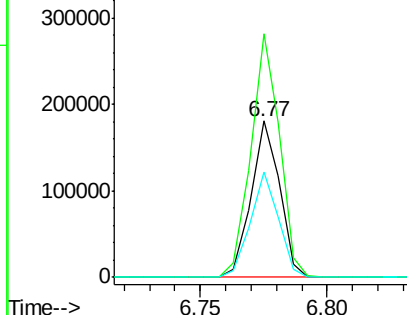
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097807.D
Acq: 18 Aug 2017 1:09

Instrument :
BNA_F
ClientSampleId :
RUSB-06

Tot Ion:152 Resp: 142142
Ion Ratio Lower Upper
152 100
150 156.0 126.2 189.2
115 67.1 52.2 78.2



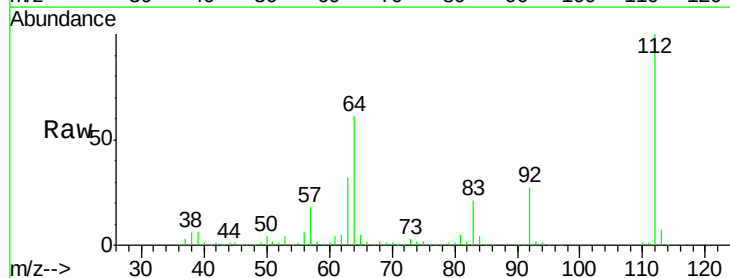
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



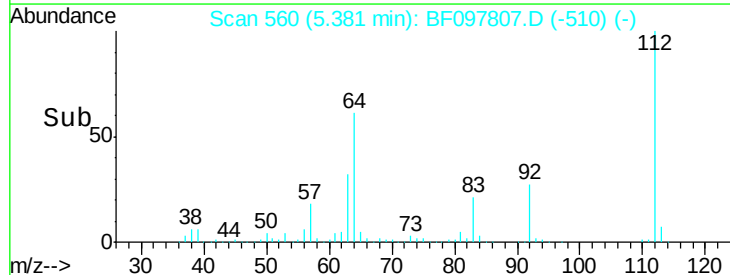
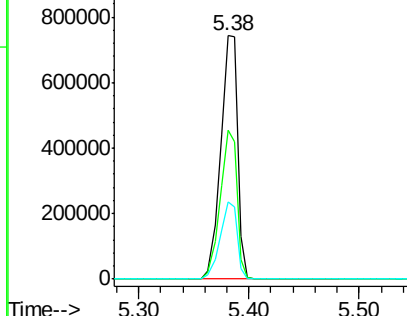
#5

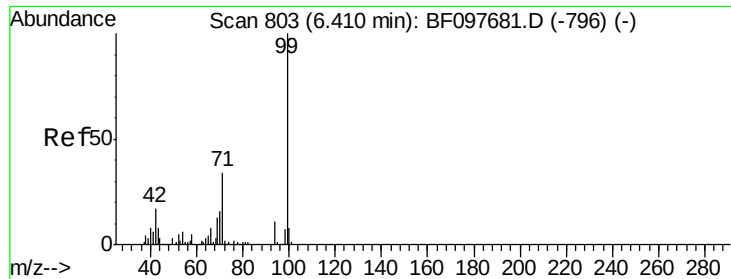
2-Fluorophenol
Concen: 85.57 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097807.D
Acq: 18 Aug 2017 1:09

Tgt Ion:112 Resp: 799670
Ion Ratio Lower Upper
112 100
64 61.3 46.0 69.0
63 31.8 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: 83.81 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097807.D

Acq: 18 Aug 2017 1:09

Instrument :

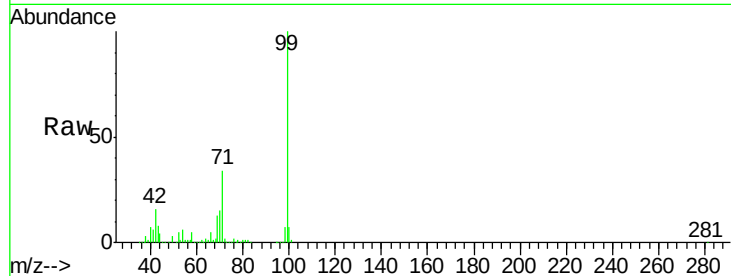
BNA_F

ClientSampleId :

RUSB-06

Tot Ion: 99 Resp: 1064174

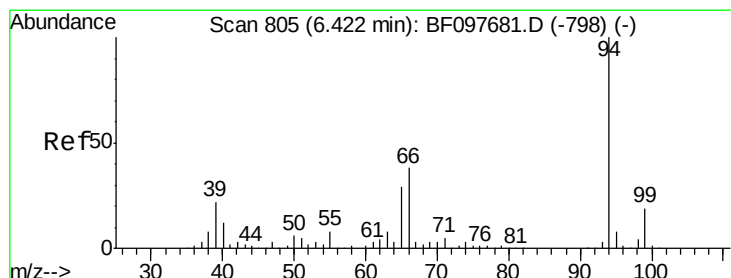
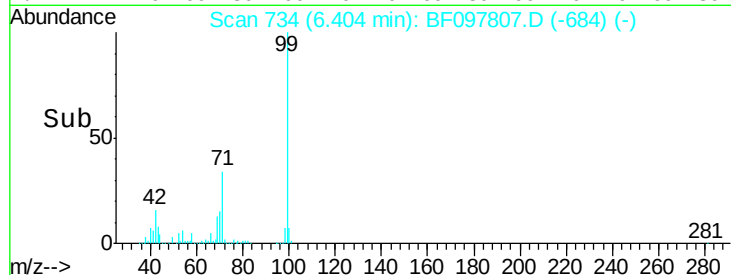
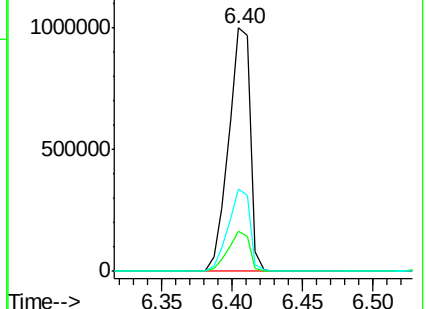
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.5	20.3
71	33.9	24.5	36.7



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: 2.46 ng

RT: 6.42 min Scan# 736

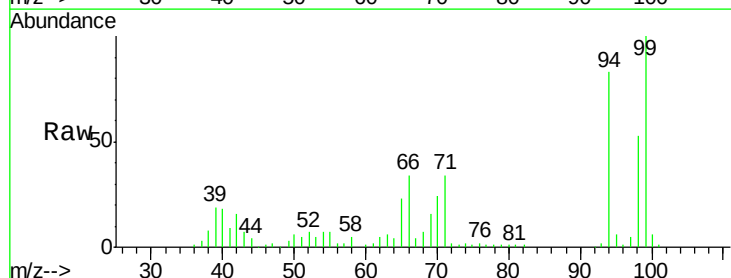
Delta R.T. -0.01 min

Lab File: BF097807.D

Acq: 18 Aug 2017 1:09

Tgt Ion: 94 Resp: 36571

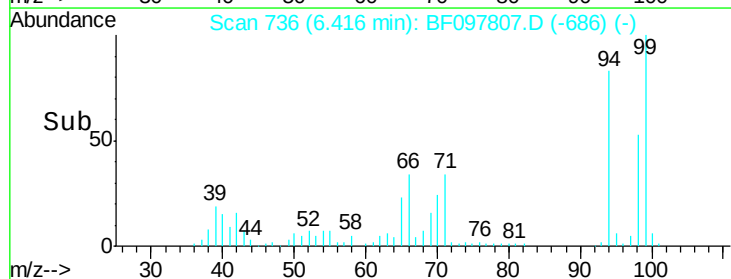
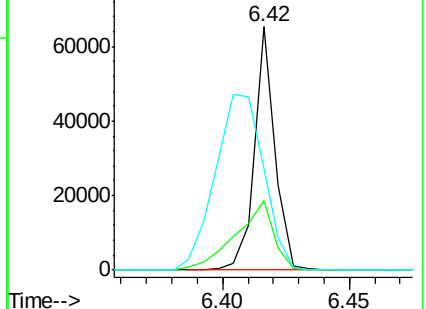
Ion	Ratio	Lower	Upper
94	100		
65	28.3	9.9	49.9
66	41.5	23.1	63.1

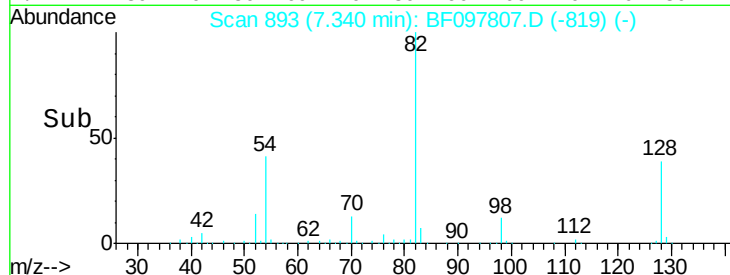
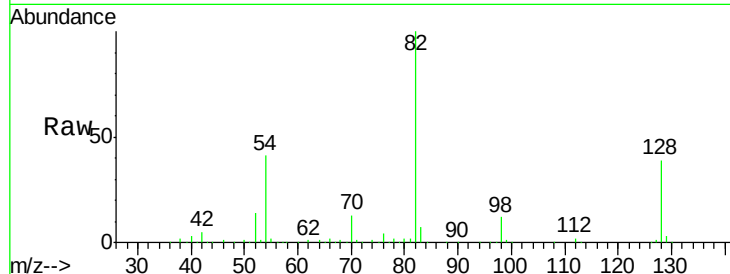
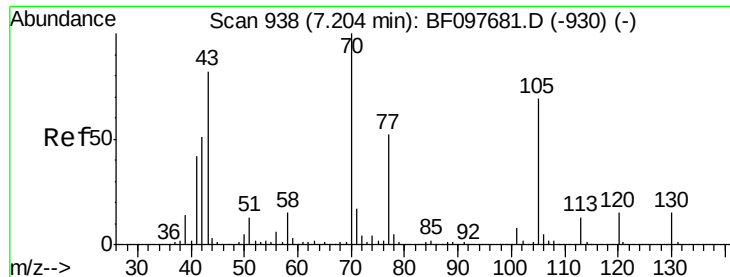


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

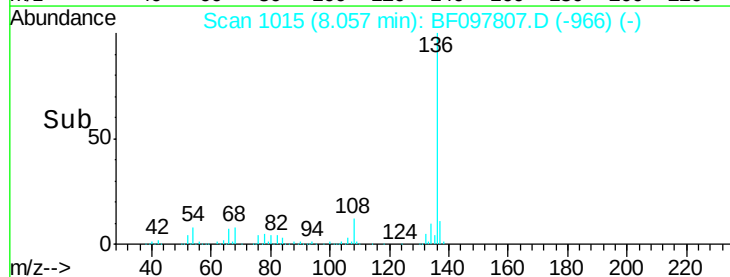
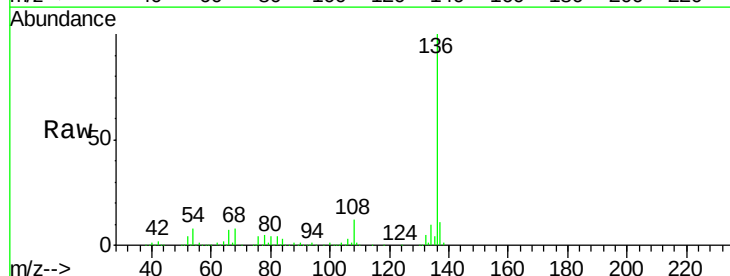
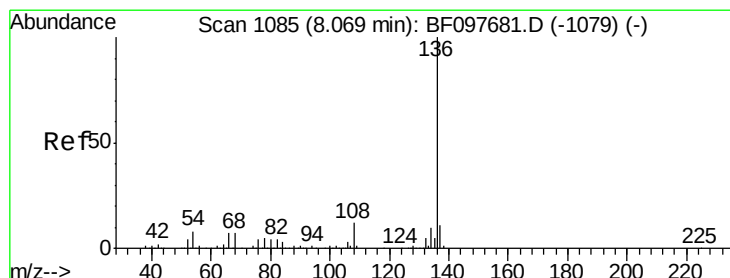
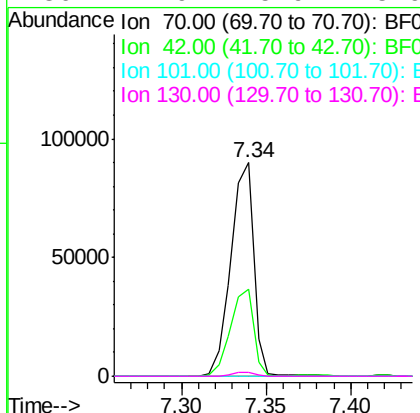




#19
n-Nitroso-di-n-propylamine
Concen: 9.75 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.14 min
Lab File: BF097807.D
Acq: 18 Aug 2017 1:09

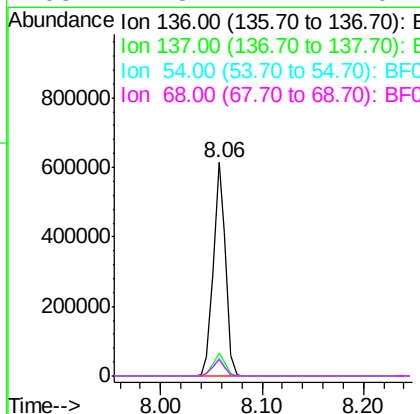
Instrument :
BNA_F
ClientSampleId :
RUSB-06

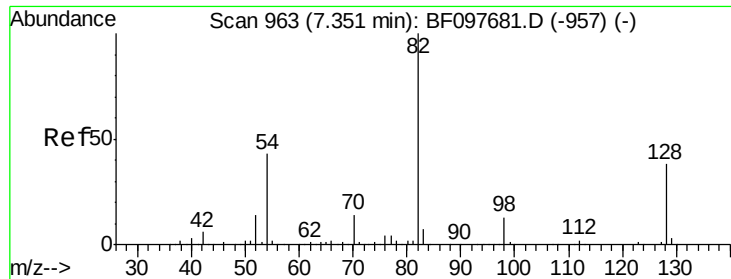
Tot Ion: 70 Resp: 84715
Ion Ratio Lower Upper
70 100
42 40.9 47.2 70.8#
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF097807.D
Acq: 18 Aug 2017 1:09

Tgt Ion: 136 Resp: 511329
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 8.2 4.9 7.3#
68 7.8 4.1 6.1#

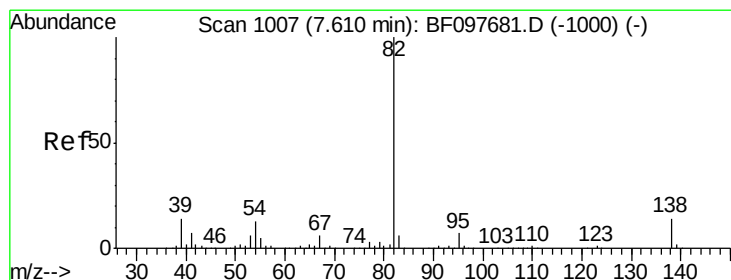
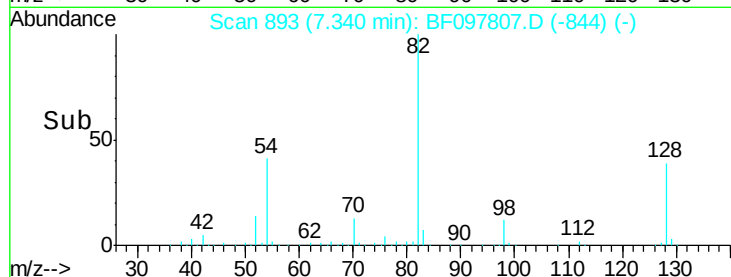
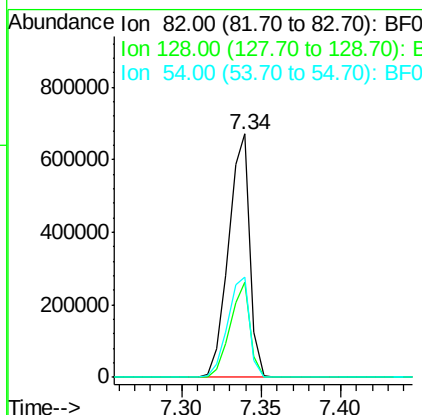
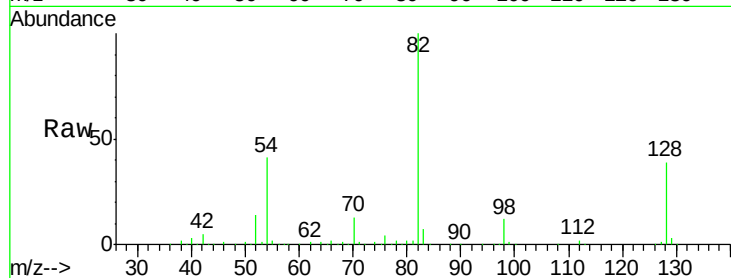




#23
 Nitrobenzene-d5
 Concen: 66.09 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

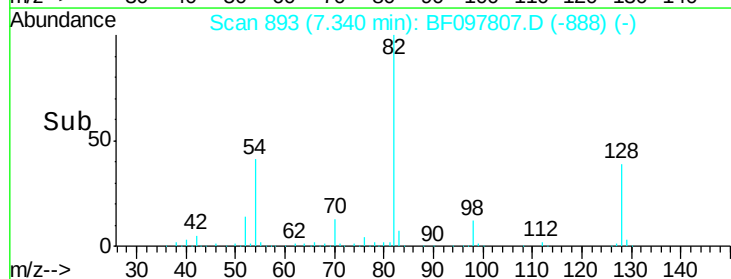
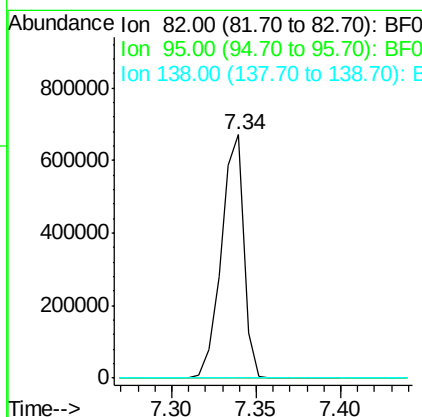
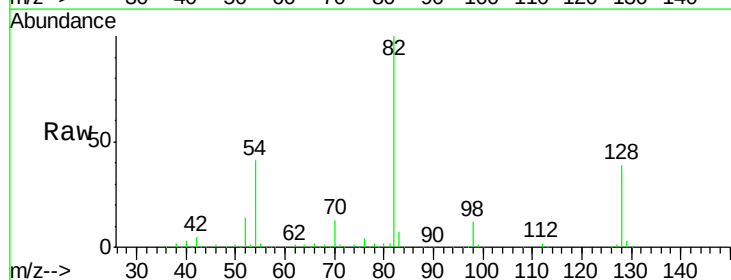
Instrument :
 BNA_F
 ClientSampleId :
 RUSB-06

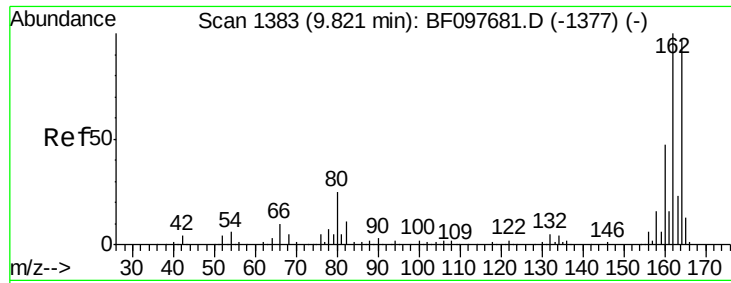
Tot Ion	82	Resp	622117
Ion Ratio	100	Lower	Upper
128	38.8	34.0	51.0
54	41.0	42.2	63.2#



#25
 Isophorone
 Concen: 31.79 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.27 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

Tgt Ion	82	Resp	622110
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

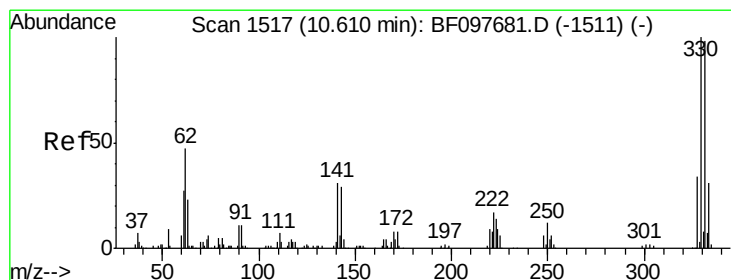
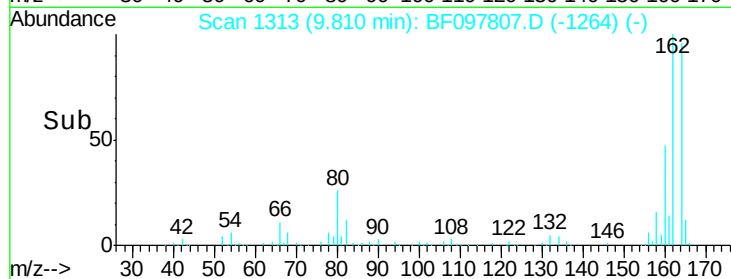
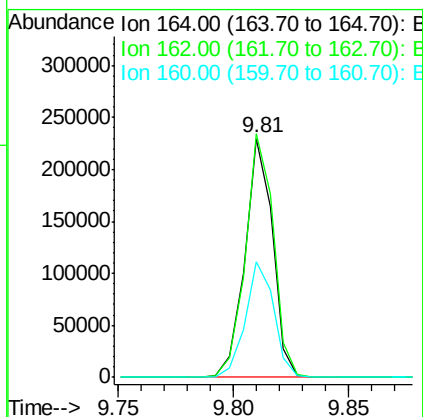
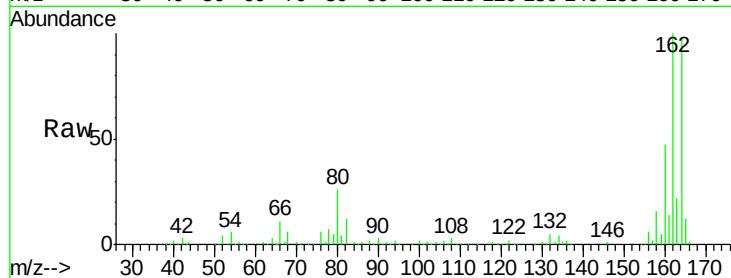




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

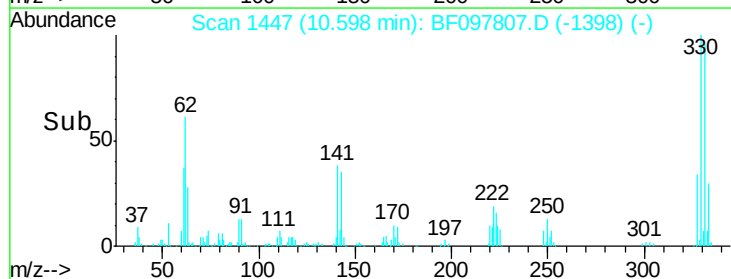
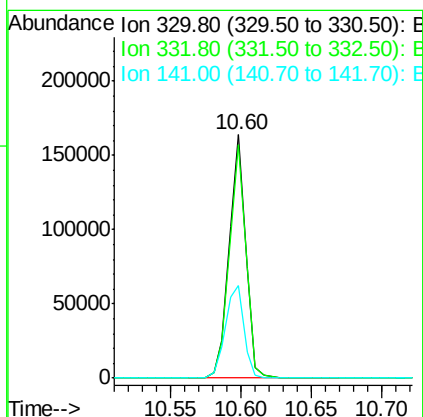
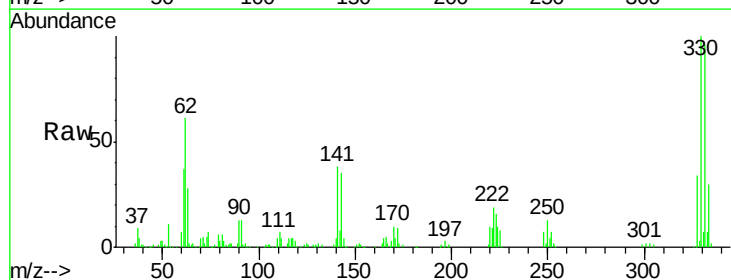
Instrument :
 BNA_F
 ClientSampleId :
 RUSB-06

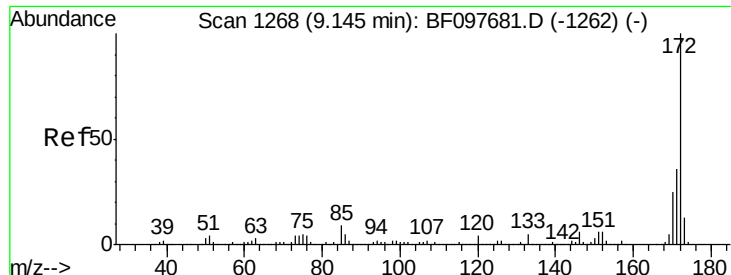
Tot Ion:164 Resp: 192273
 Ion Ratio Lower Upper
 164 100
 162 102.0 82.6 123.8
 160 48.2 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 80.60 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

Tgt Ion:330 Resp: 134471
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 43.0 31.4 47.2

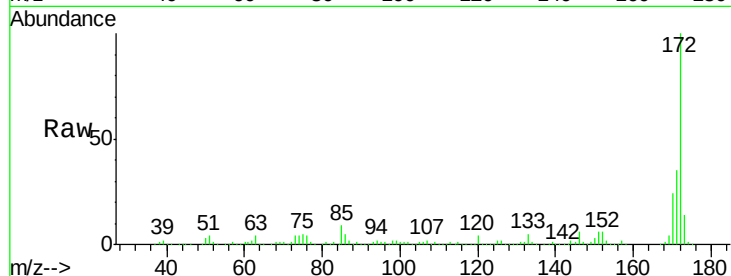




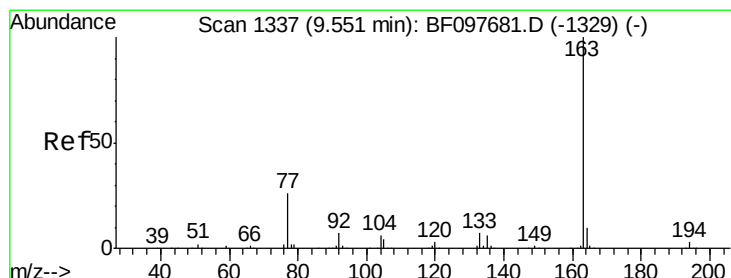
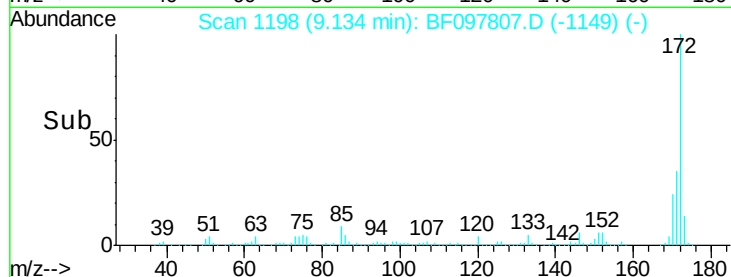
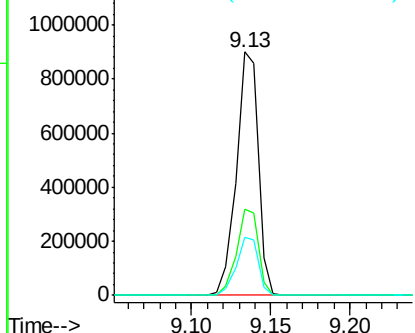
#44
 2-Fluorobiphenyl
 Concen: 65.87 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

Instrument :
 BNA_F
 ClientSampled :
 RUSB-06

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.8	19.8	29.8

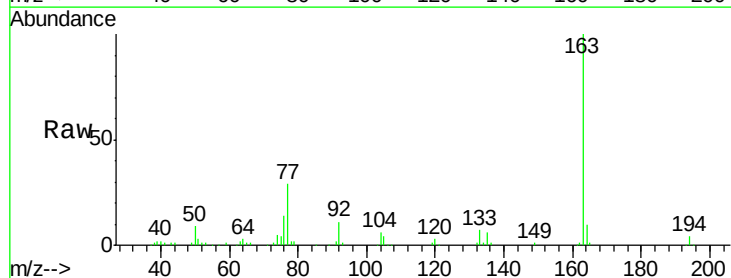


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

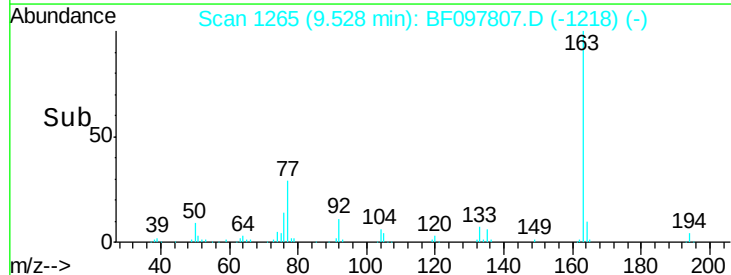
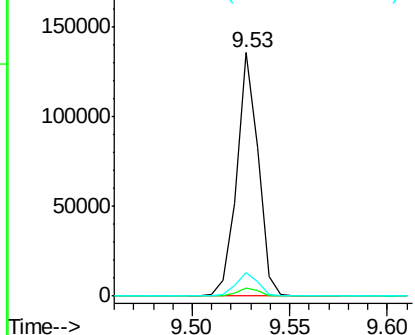


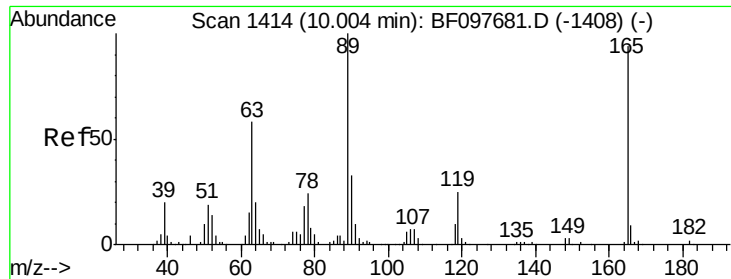
#49
 Dimethylphthalate
 Concen: 7.38 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.7	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

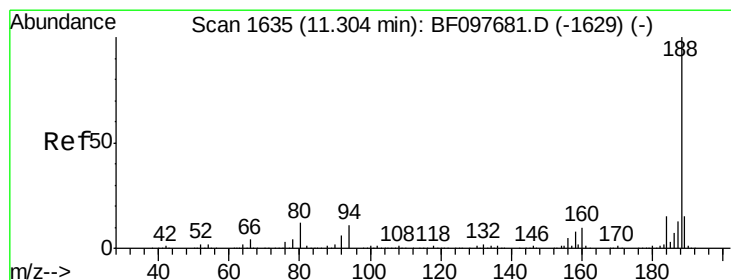
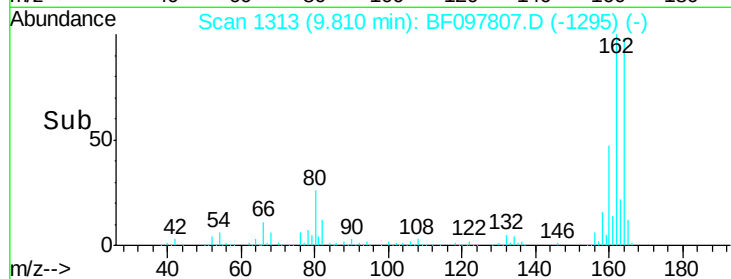
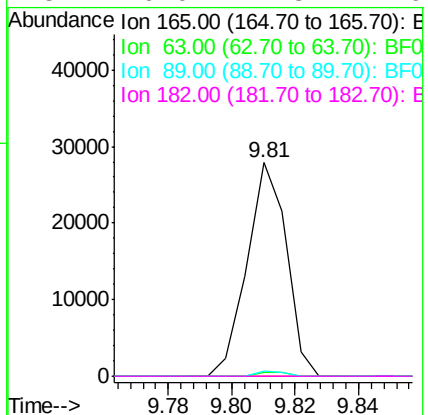
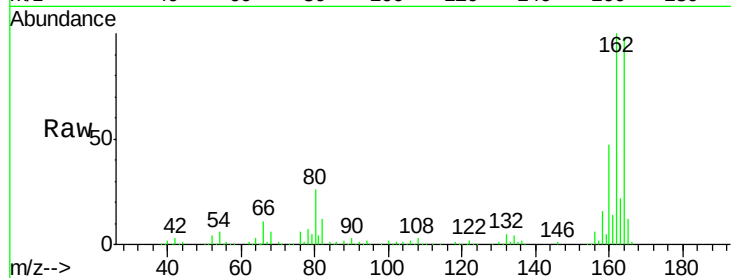




#56
 2,4-Dinitrotoluene
 Concen: 6.82 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

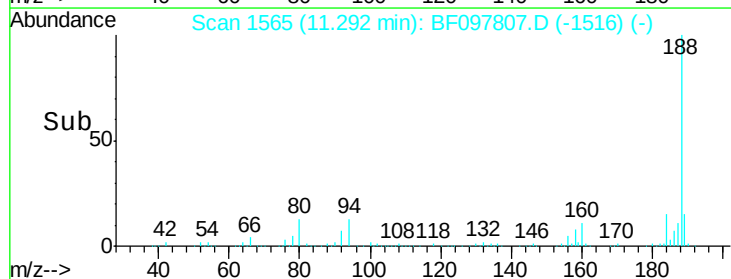
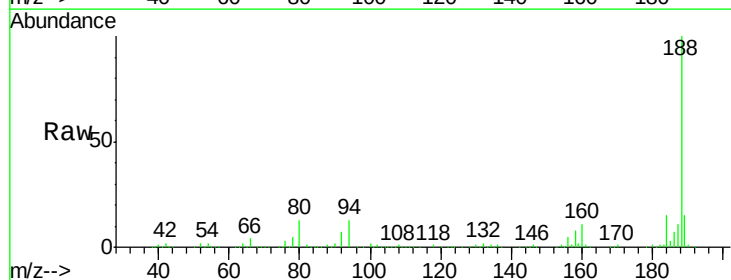
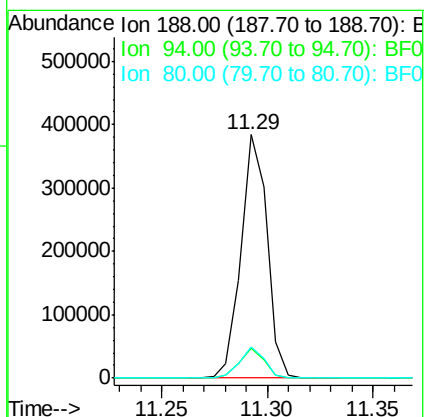
Instrument :
 BNA_F
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 RUSB-06

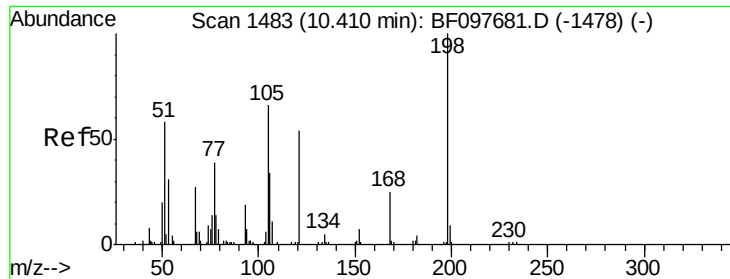
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	9.4	14.2
80	13.0	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.52 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.19 min

Lab File: BF097807.D

Acq: 18 Aug 2017 1:09

Instrument :

BNA_F

ClientSampleId :

RUSB-06

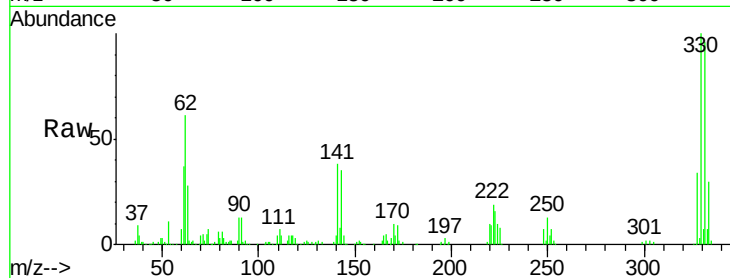
Tot Ion:198 Resp: 367

Ion Ratio Lower Upper

198 100

51 141.8 53.2 93.2#

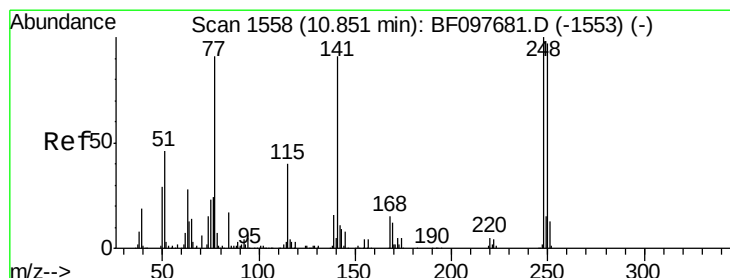
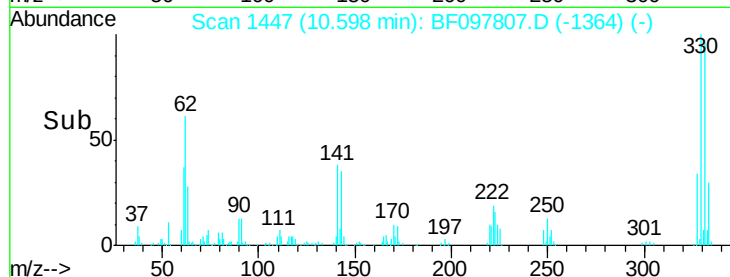
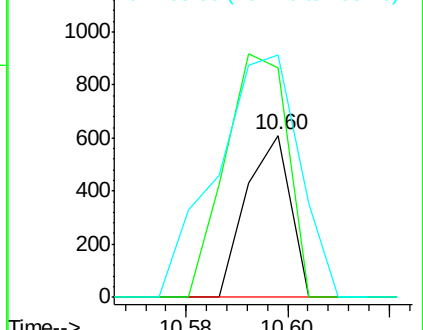
105 149.5 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 2.88 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.25 min

Lab File: BF097807.D

Acq: 18 Aug 2017 1:09

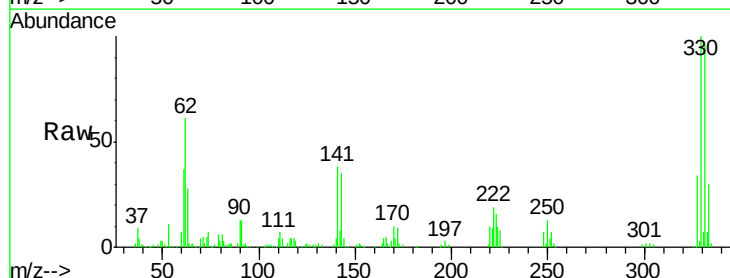
Tgt Ion:248 Resp: 9791

Ion Ratio Lower Upper

248 100

250 188.5 76.8 115.2#

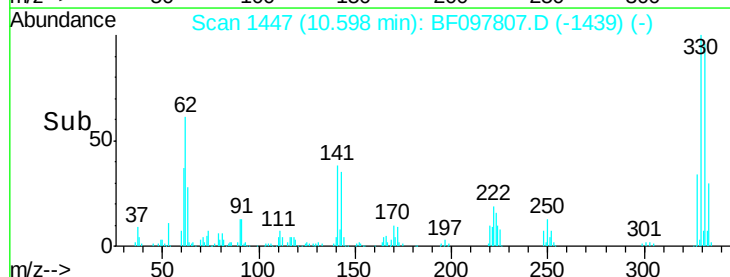
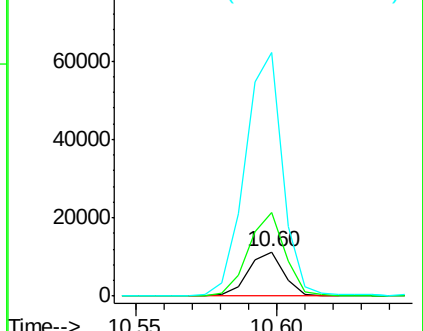
141 547.1 68.6 103.0#

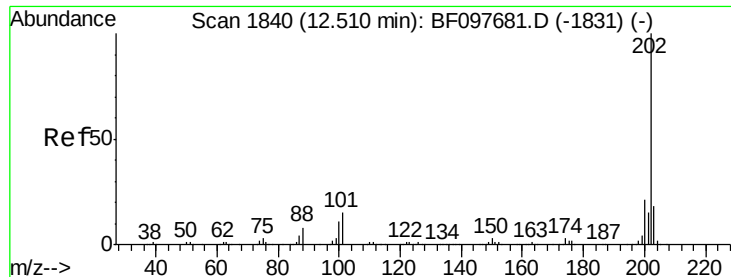


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

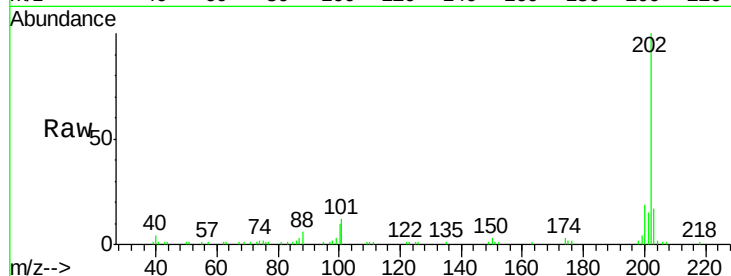




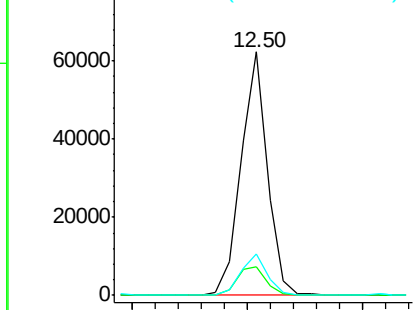
#74
Fluoranthene
Concen: 2.72 ng
RT: 12.50 min Scan# 1771
Delta R.T. -0.01 min
Lab File: BF097807.D
Acq: 18 Aug 2017 1:09

Instrument :
BNA_F
ClientSampleId :
RUSB-06

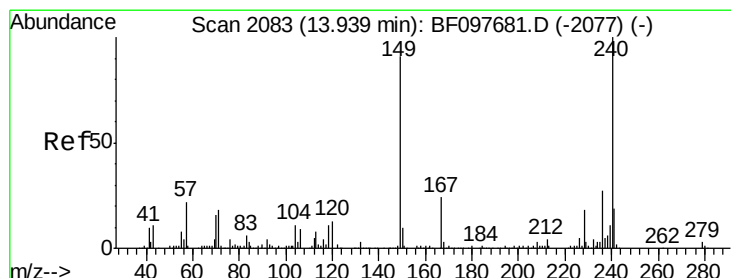
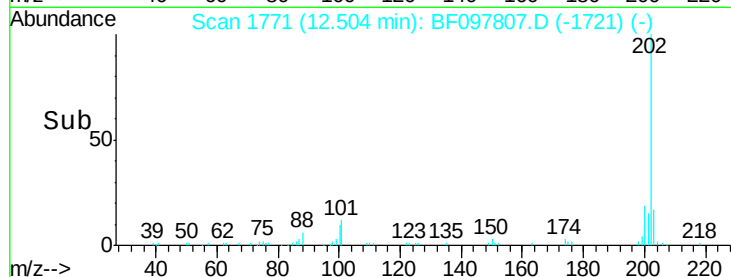
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	16.8	0.0	38.1



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

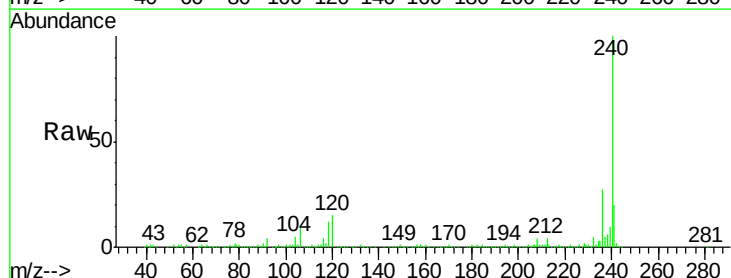


Time--> 12.45 12.50 12.55

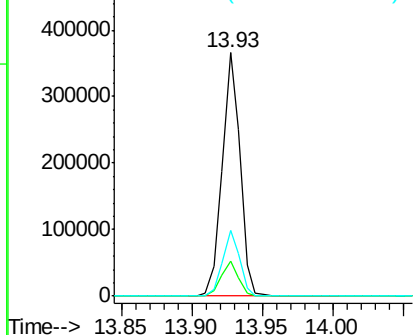


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF097807.D
Acq: 18 Aug 2017 1:09

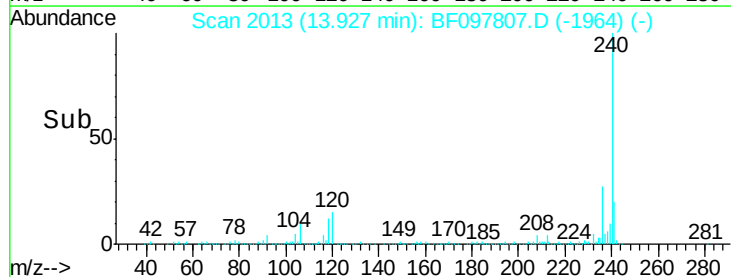
Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	27.0	20.5	30.7

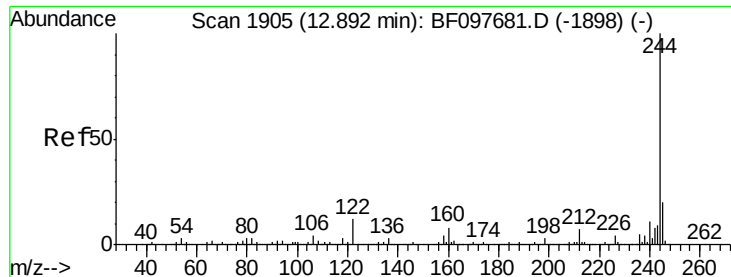


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 13.85 13.90 13.95 14.00

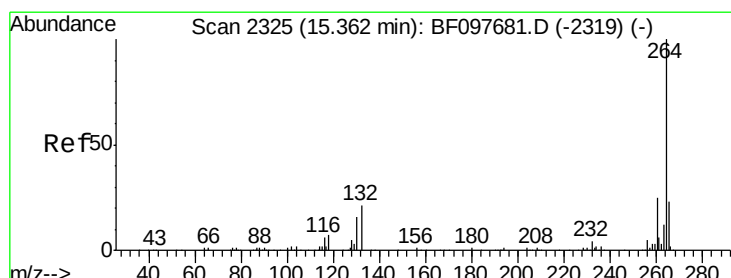
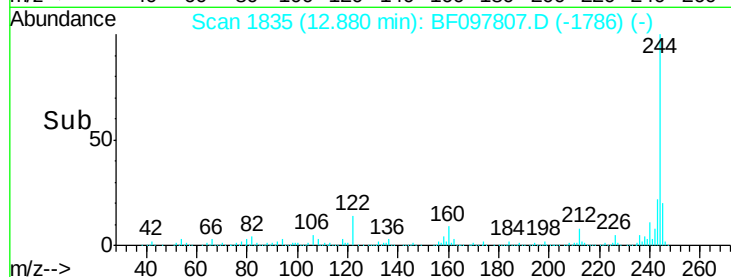
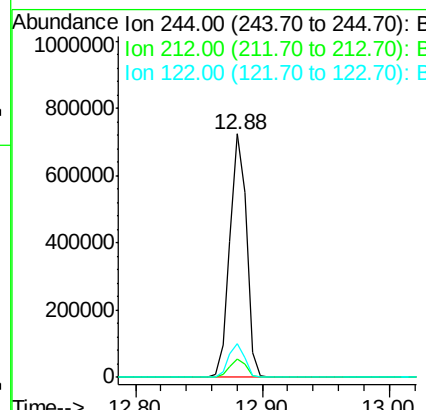
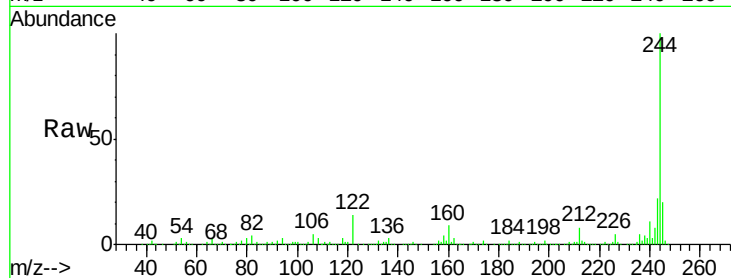




#78
 Terphenyl-d14
 Concen: 42.99 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

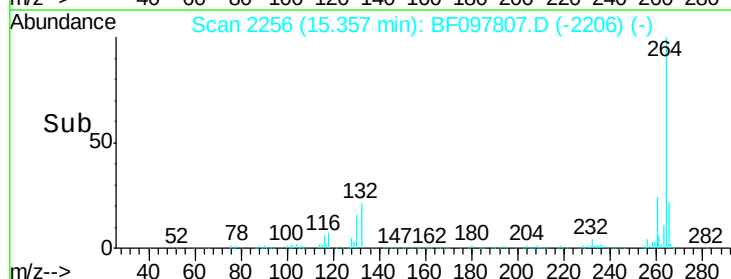
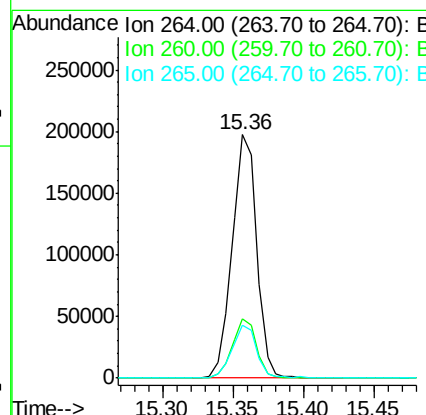
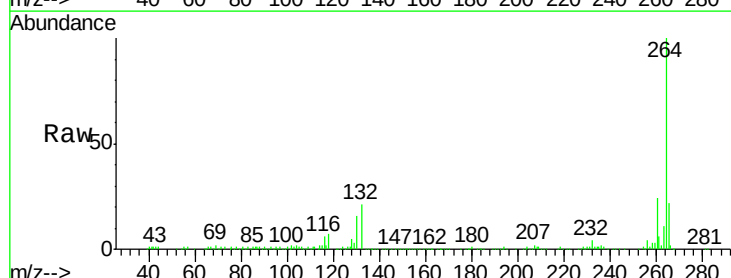
Instrument :
 BNA_F
 ClientSampleId :
 RUSB-06

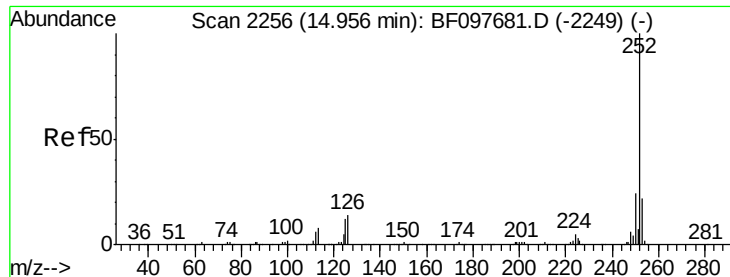
Tot Ion:244 Resp: 661766
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.0 9.0
 122 14.0 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 2256
 Delta R.T. -0.01 min
 Lab File: BF097807.D
 Acq: 18 Aug 2017 1:09

Tgt Ion:264 Resp: 239415
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 21.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.95 ng

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF097807.D

Acq: 18 Aug 2017 1:09

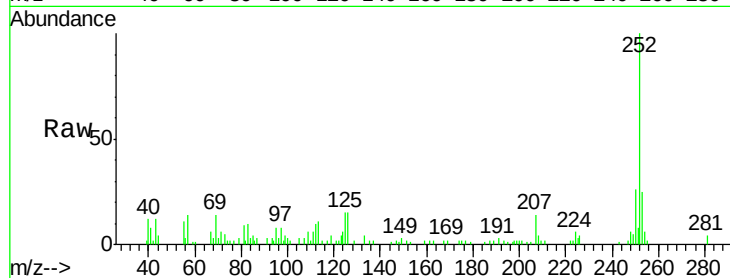
Instrument :

BNA_F

ClientSampleId :

RUSB-06

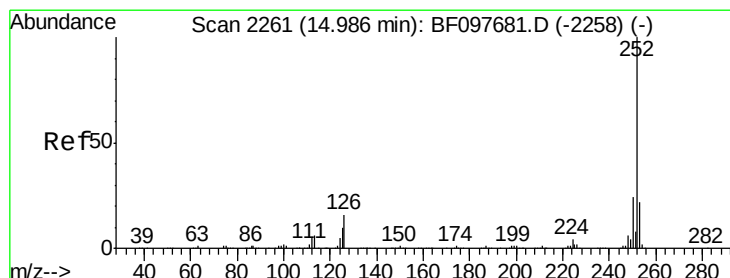
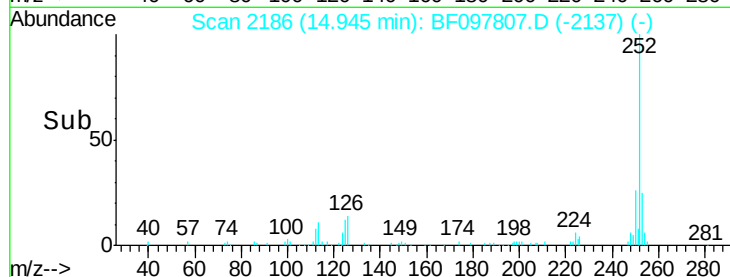
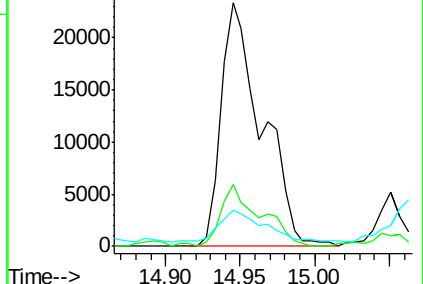
Tot Ion:252	Resp:	44557
Ion Ratio	Lower	Upper
252	100	
253	25.1	18.1 27.1
125	14.7	9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.14 ng

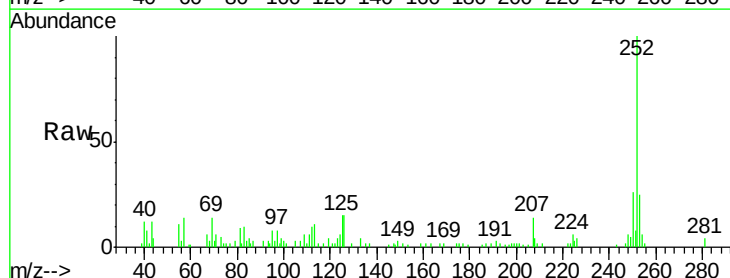
RT: 14.94 min Scan# 2186

Delta R.T. -0.04 min

Lab File: BF097807.D

Acq: 18 Aug 2017 1:09

Tgt Ion:252	Resp:	44557
Ion Ratio	Lower	Upper
252	100	
253	25.1	18.4 27.6
125	14.7	13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

