

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109094.D
 Acq On : 18 Sep 2018 14:39
 Operator : JU/SJ
 Sample : J4940-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 18 16:15:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	148619	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	559563	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	267759	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	497277	20.00	ng	0.00
75) Chrysene-d12	13.85	240	342667	20.00	ng	-0.01
86) Perylene-d12	15.25	264	377553	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	855200	95.57	ng	0.00
7) Phenol-d6	6.36	99	1086192	94.14	ng	0.00
23) Nitrobenzene-d5	7.28	82	699051	70.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	230523	79.33	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1199326	70.18	ng	0.00
78) Terphenyl-d14	12.81	244	1040285	71.96	ng	0.00

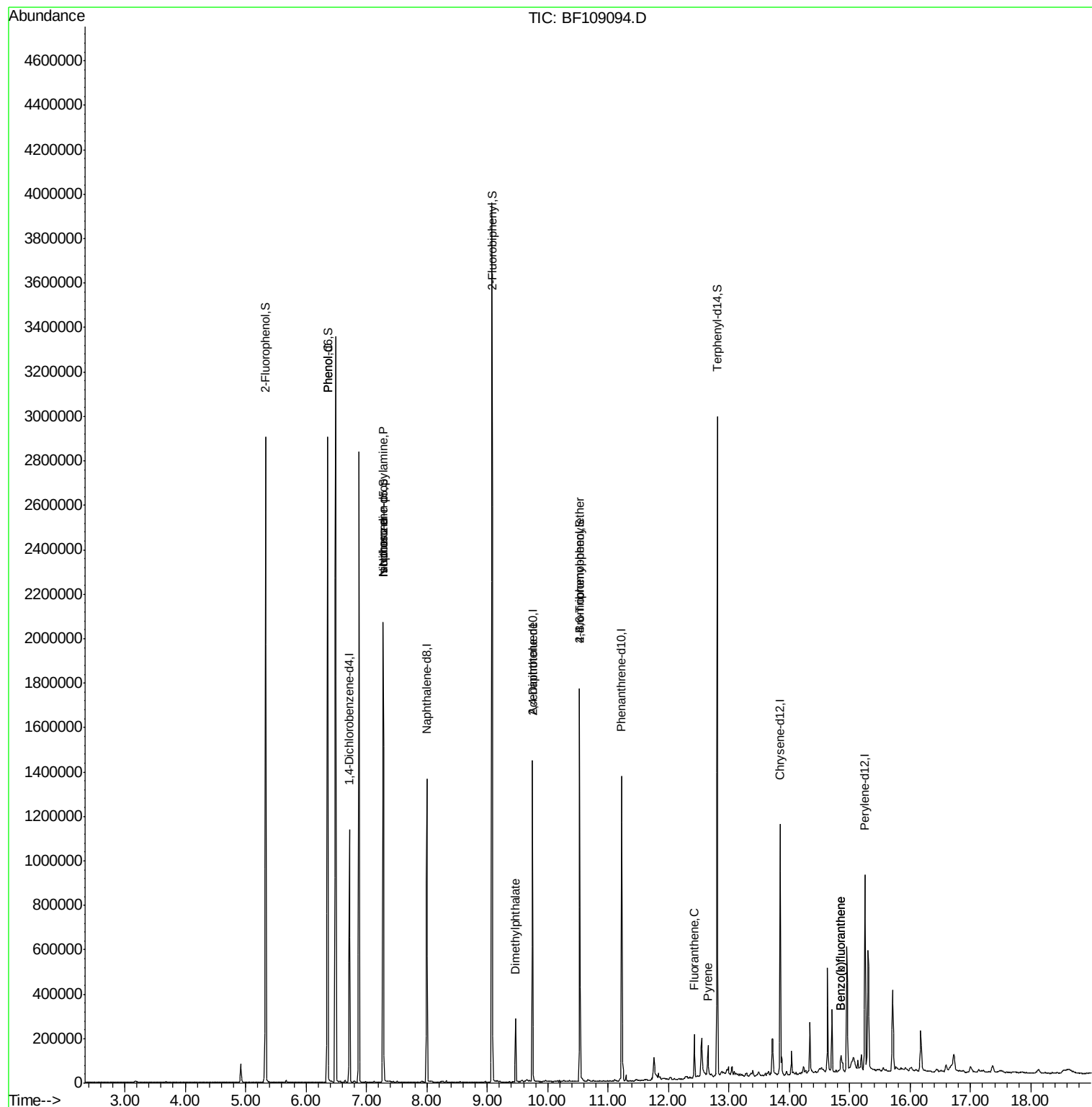
Target Compounds				Qvalue		
10) Phenol	6.37	94	27317	2.104	ng	86
19) n-Nitroso-di-n-propylamine	7.28	70	94057	12.332	ng	# 77
25) Isophorone	7.28	82	693928	40.464	ng	# 64
49) Dimethylphthalate	9.47	163	117589	6.144	ng	99
56) 2,4-Dinitrotoluene	9.75	165	34135	6.150	ng	# 23
66) 4-Bromophenyl-phenylether	10.54	248	14216	2.536	ng	# 1
74) Fluoranthene	12.43	202	66113	2.569	ng	99
77) Pyrene	12.66	202	55108	2.165	ng	98
87) Benzo(b)fluoranthene	14.85	252	51067	2.445	ng	96
88) Benzo(k)fluoranthene	14.85	252	51067	2.618	ng	99

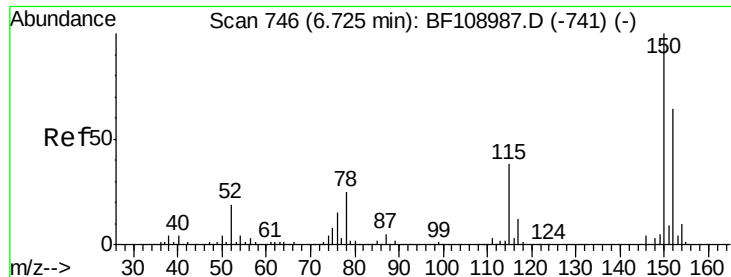
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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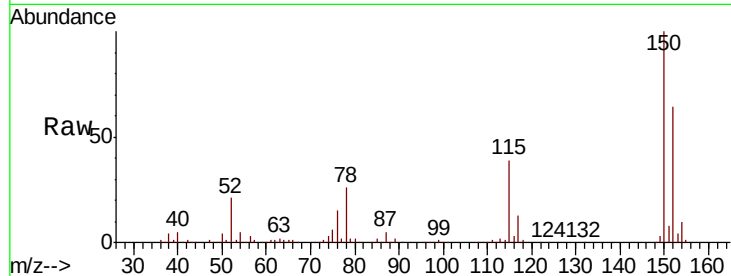


#1

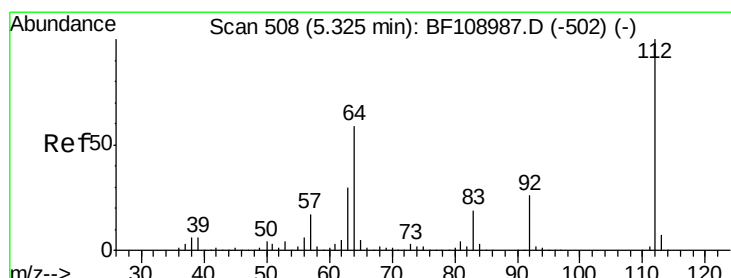
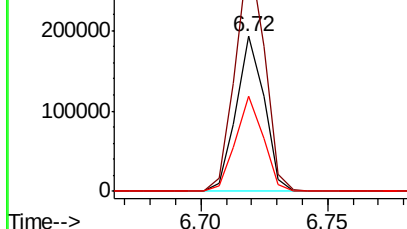
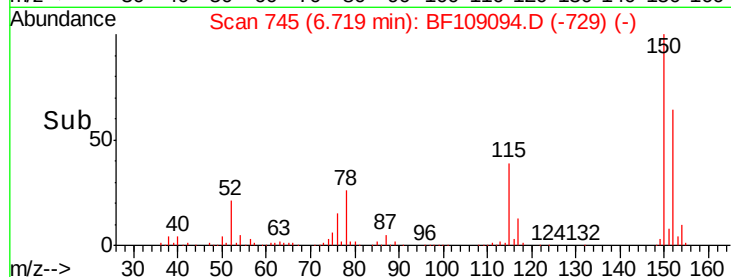
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: BF109094.D
 Acq: 18 Sep 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 148619
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.6 186.8
 115 61.8 50.1 75.1



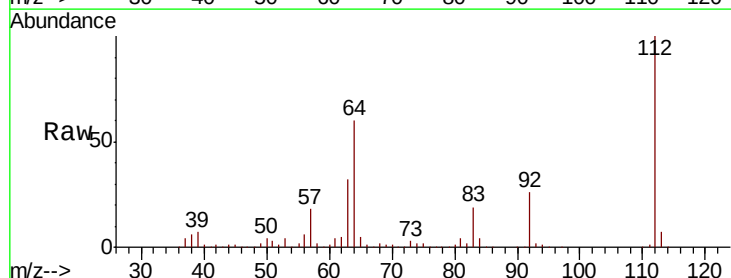
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



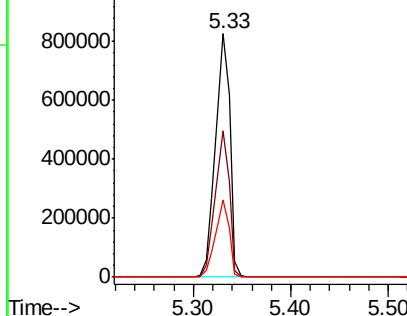
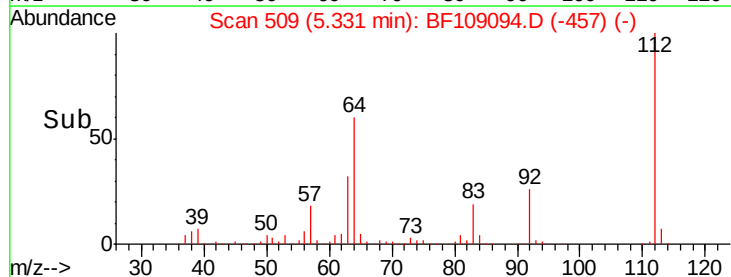
#5

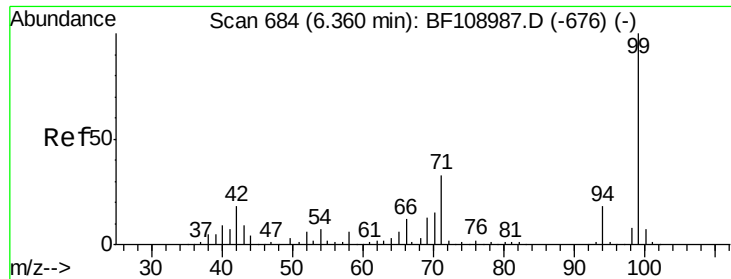
2-Fluorophenol
 Concen: 95.572 ng
 RT: 5.33 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: BF109094.D
 Acq: 18 Sep 2018 14:39

Tgt Ion:112 Resp: 855200
 Ion Ratio Lower Upper
 112 100
 64 60.2 47.9 71.9
 63 31.5 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.138 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF109094.D

Acq: 18 Sep 2018 14:39

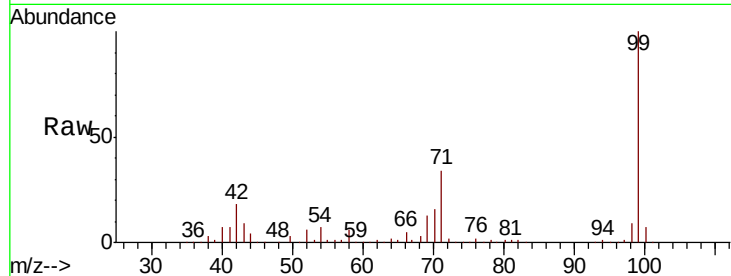
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1086192

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.5	21.7
71	33.8	25.4	38.0

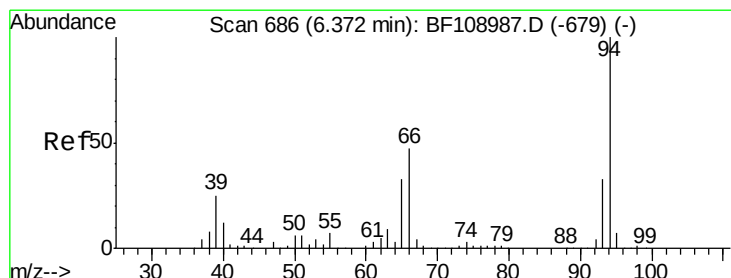
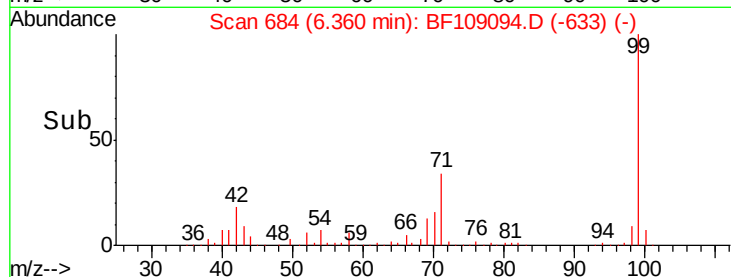
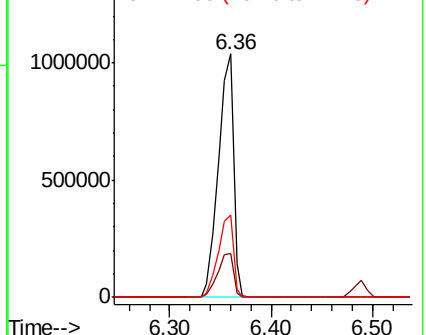


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.104 ng

RT: 6.37 min Scan# 685

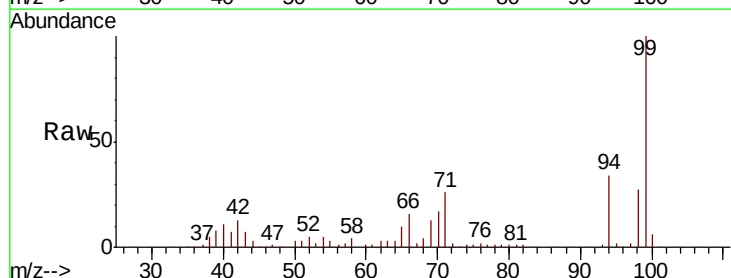
Delta R.T. -0.01 min

Lab File: BF109094.D

Acq: 18 Sep 2018 14:39

Tgt Ion: 94 Resp: 27317

Ion	Ratio	Lower	Upper
94	100		
65	30.9	7.9	47.9
66	48.3	16.2	56.2

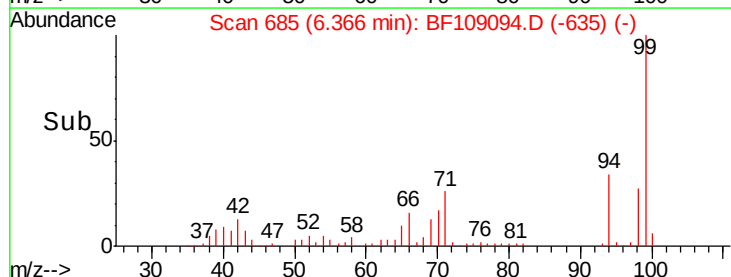
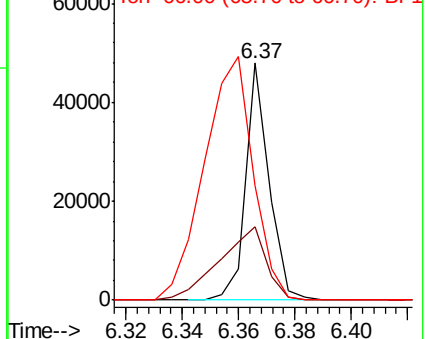


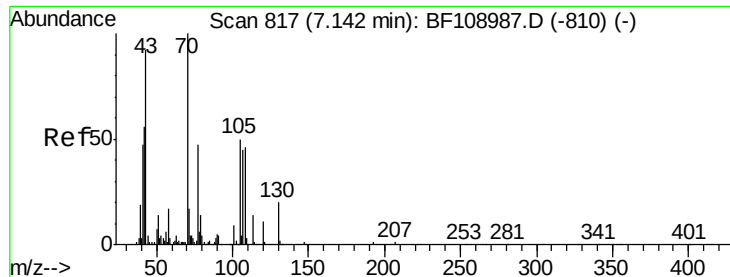
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

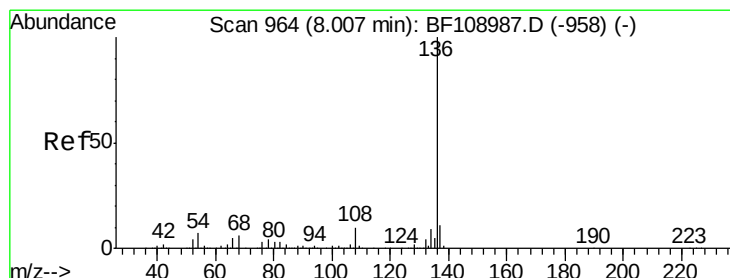
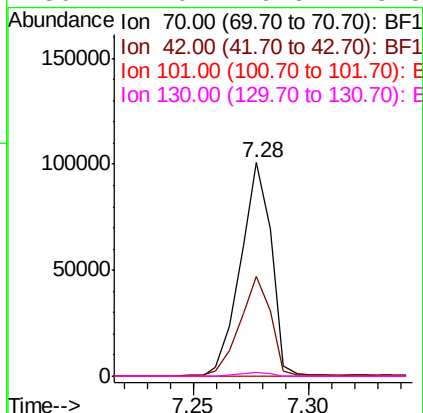
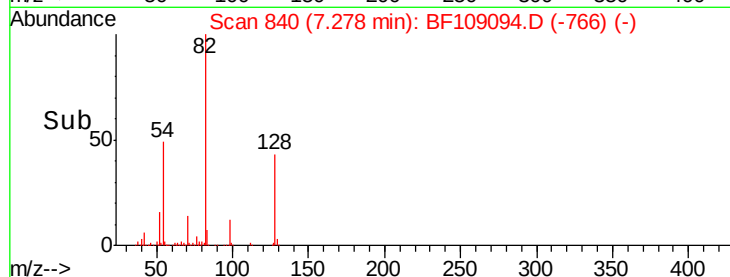
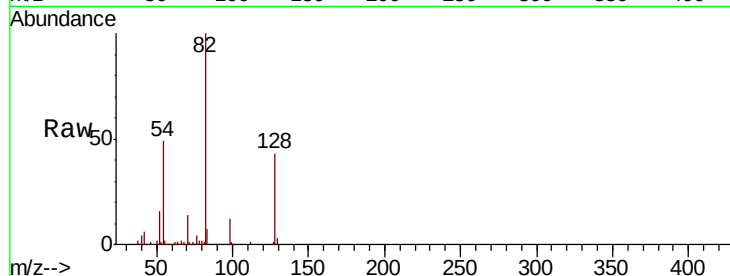




#19
n-Nitroso-di-n-propylamine
Concen: 12.332 ng
RT: 7.28 min Scan# 840
Delta R.T. 0.14 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

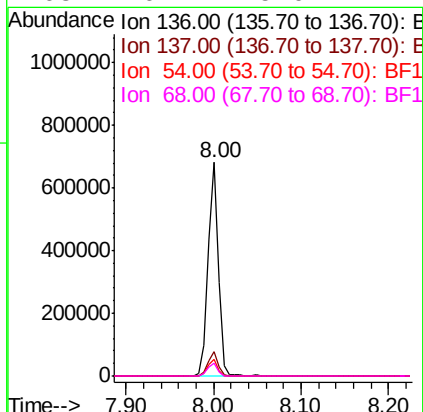
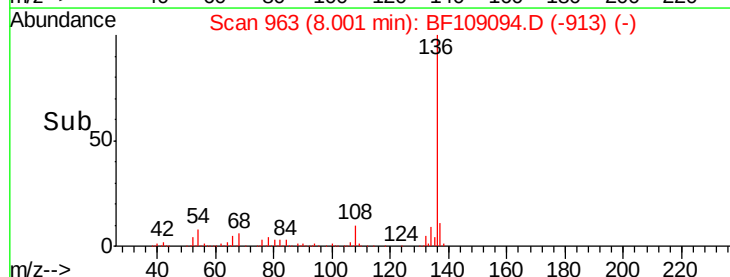
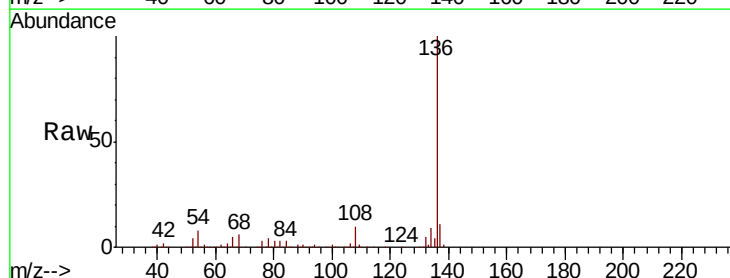
Instrument :
BNA_F
ClientSampleId :

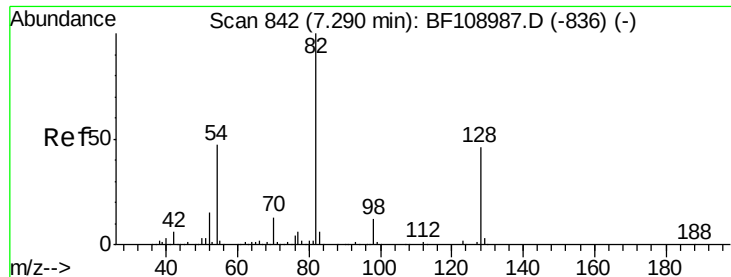
Tot Ion:	70	Resp:	94057
Ion	Ratio	Lower	Upper
70	100		
42	46.8	47.5	71.3#
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Tgt Ion:	136	Resp:	559563
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.5	6.6	9.8
68	6.1	5.0	7.4

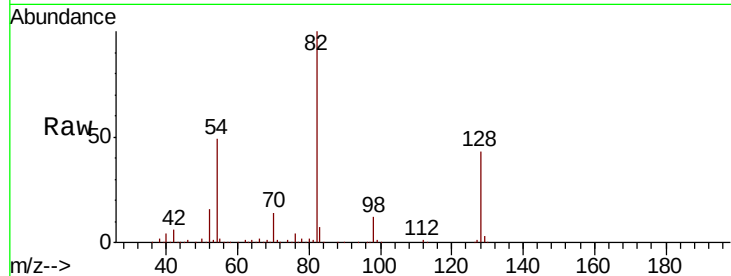




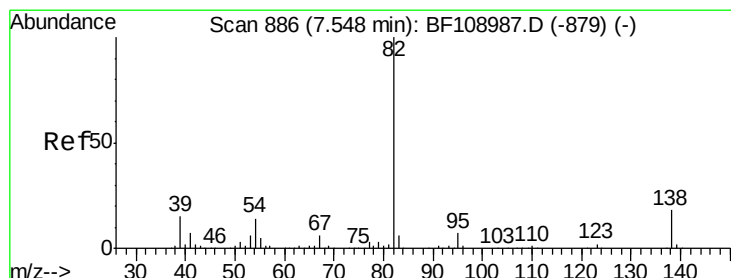
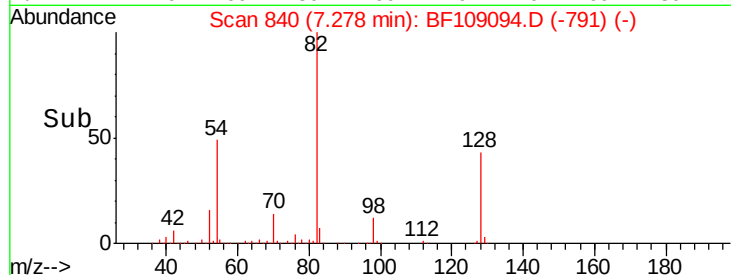
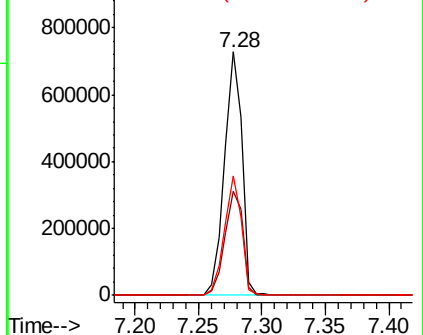
#23
Nitrobenzene-d5
Concen: 70.070 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	699051
Ion Ratio	100	Lower	Upper
128	42.8	36.1	54.1
54	49.0	41.4	62.2

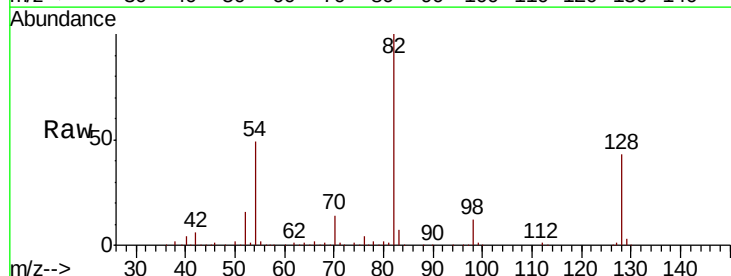


Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

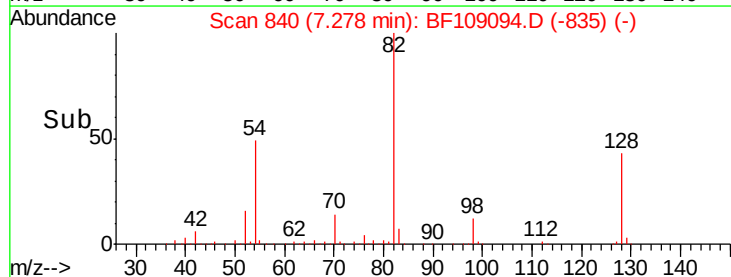
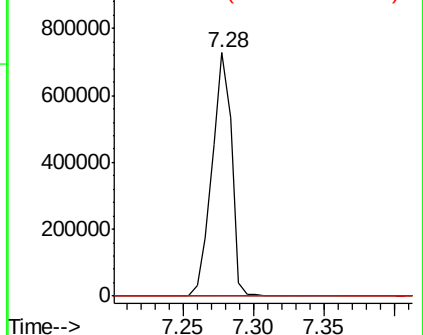


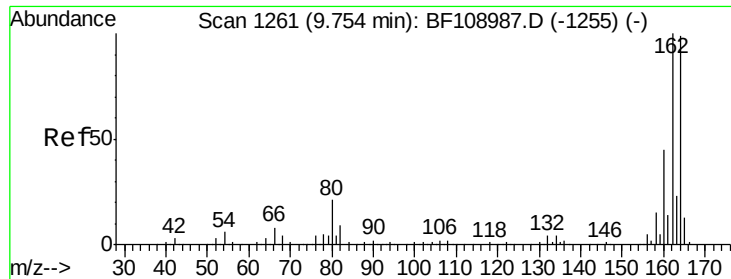
#25
Isophorone
Concen: 40.464 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.27 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Tgt Ion	82	Resp	693928
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

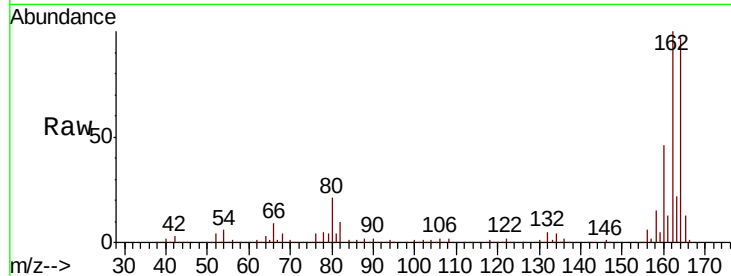




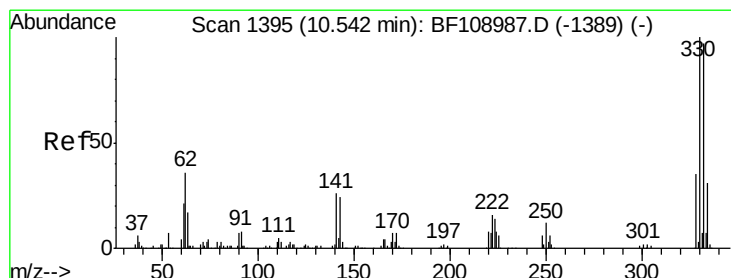
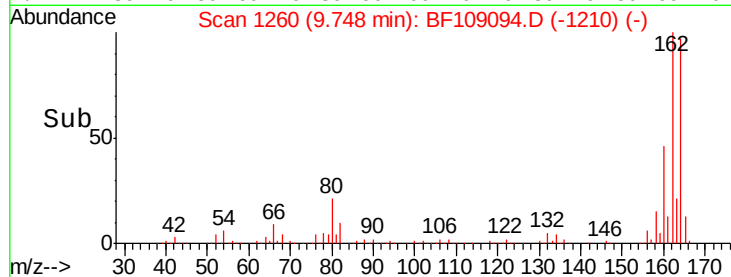
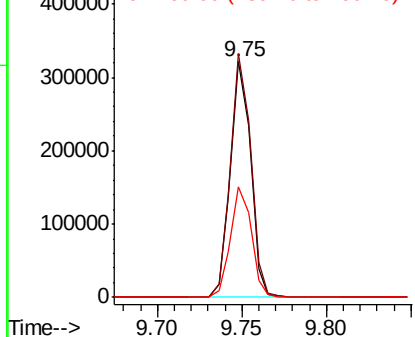
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 267759
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 47.2 38.3 57.5

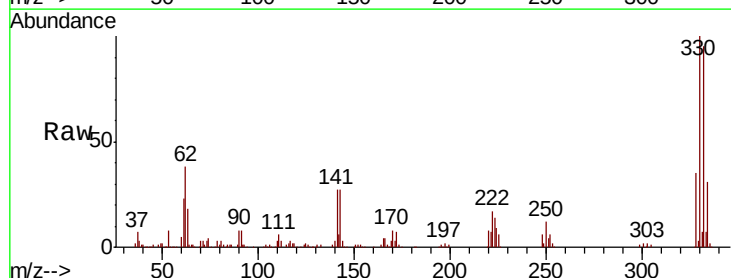


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

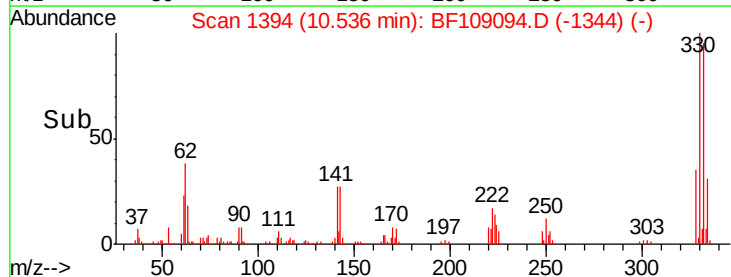
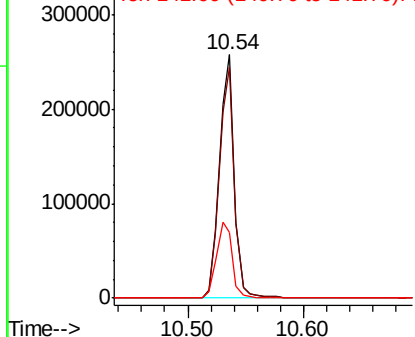


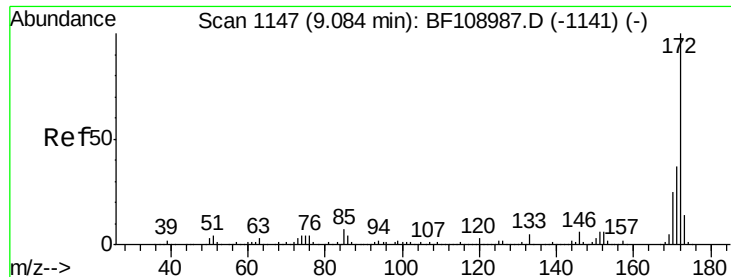
#41
2,4,6-Tribromophenol
Concen: 79.329 ng
RT: 10.54 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Tgt Ion:330 Resp: 230523
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 32.8 29.9 44.9



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

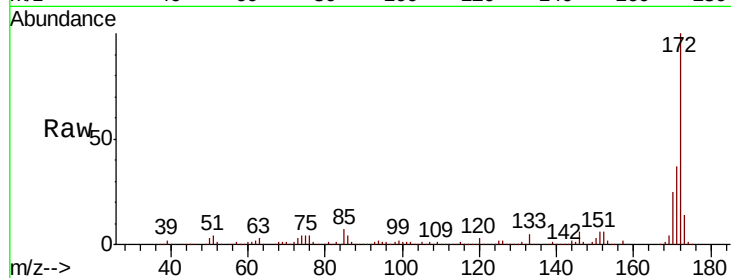




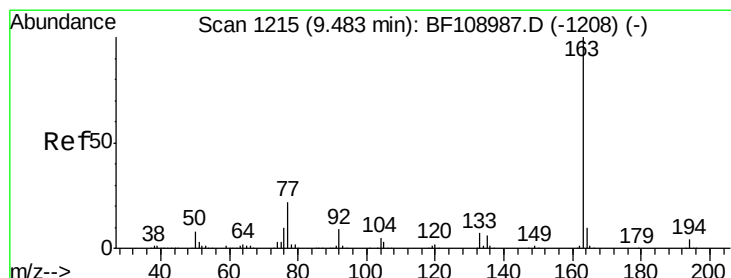
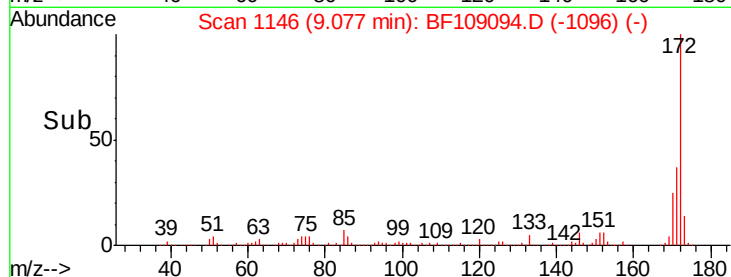
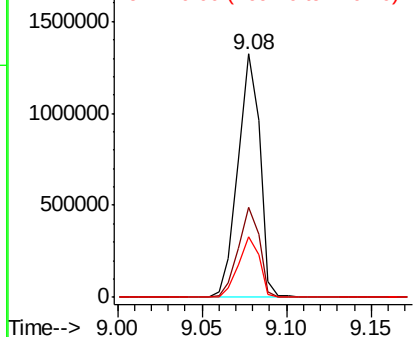
#44
2-Fluorobiphenyl
Concen: 70.176 ng
RT: 9.08 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1199326
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.7 19.6 29.4

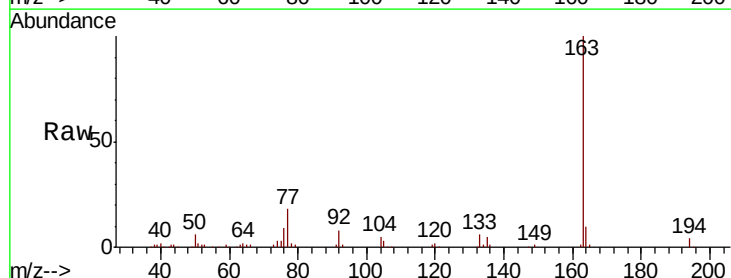


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

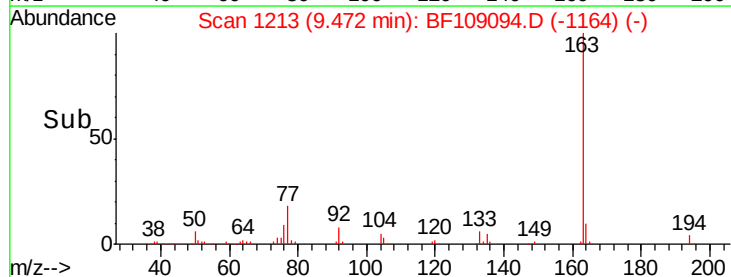
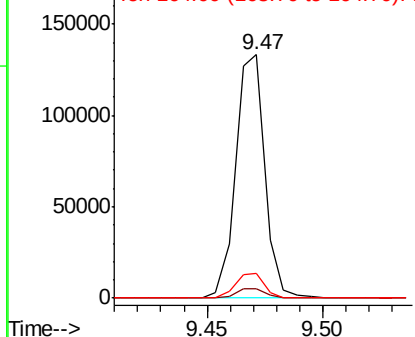


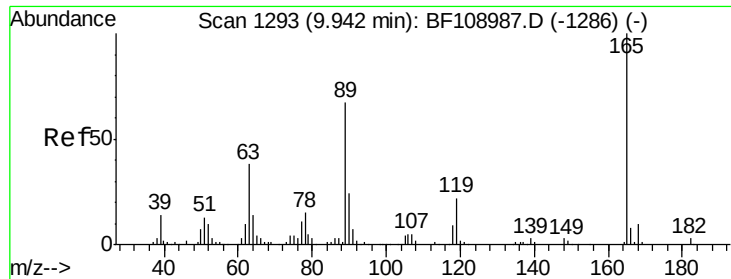
#49
Dimethylphthalate
Concen: 6.144 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Tgt Ion:163 Resp: 117589
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 10.0 8.2 12.2



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

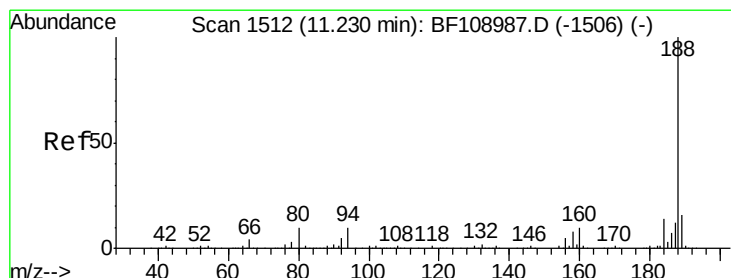
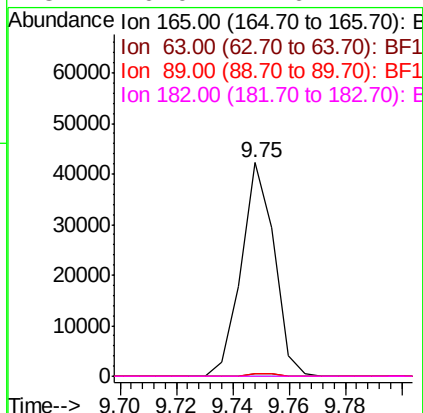
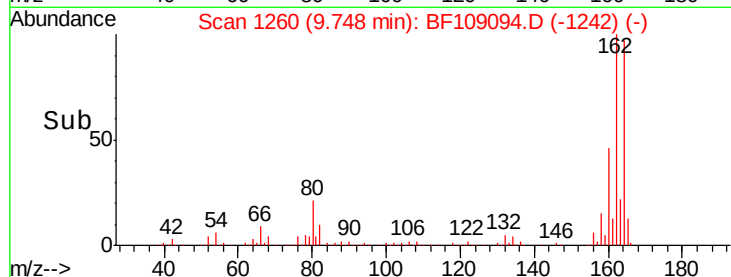
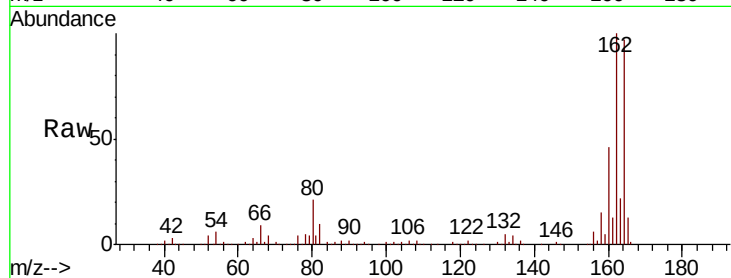




#56
 2,4-Dinitrotoluene
 Concen: 6.150 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.19 min
 Lab File: BF109094.D
 Acq: 18 Sep 2018 14:39

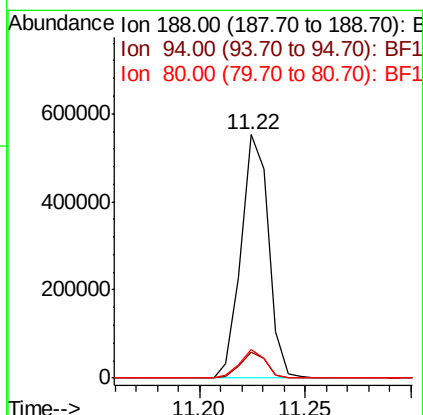
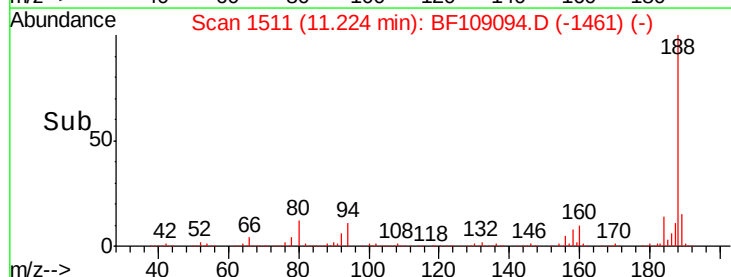
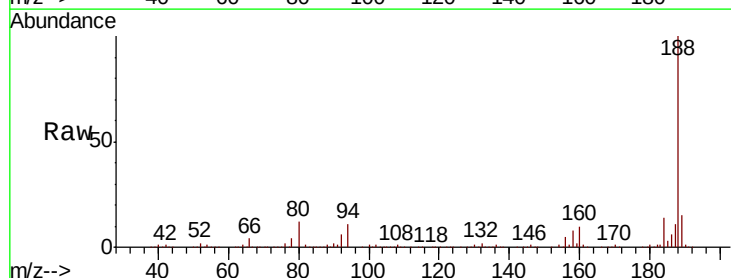
Instrument :
 BNA_F
 ClientSampleId :

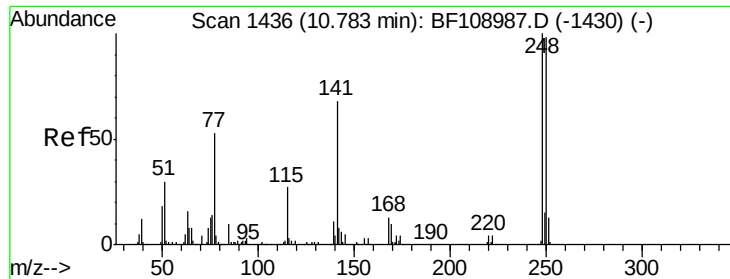
Tot Ion:	165	Resp:	34135
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF109094.D
 Acq: 18 Sep 2018 14:39

Tgt Ion:	188	Resp:	497277
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.5	9.2	13.8

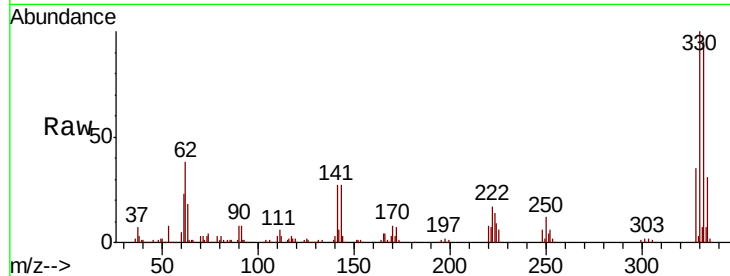




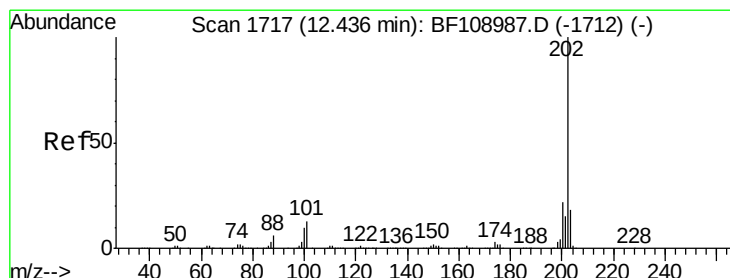
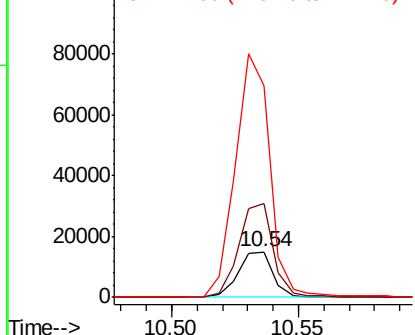
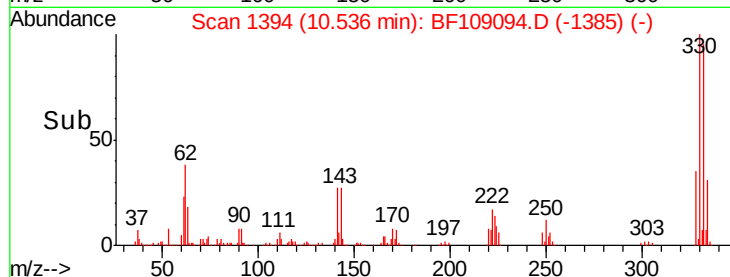
#66
 4-Bromophenyl-phenylether
 Concen: 2.536 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.25 min
 Lab File: BF109094.D
 Acq: 18 Sep 2018 14:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14216
 Ion Ratio Lower Upper
 248 100
 250 205.5 76.9 115.3#
 141 463.5 74.4 111.6#

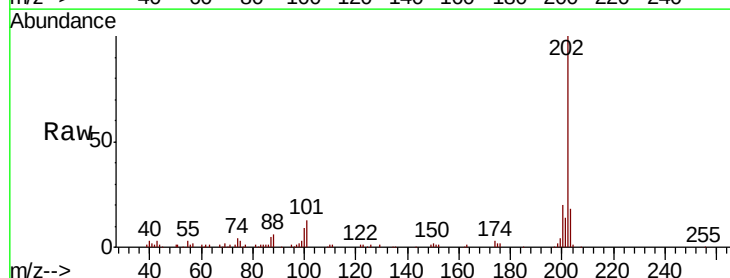


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

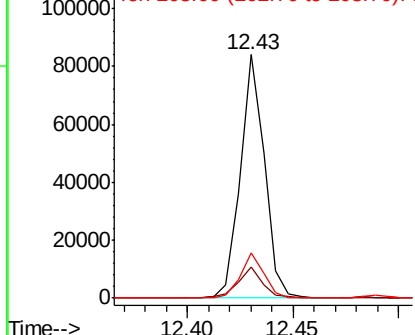
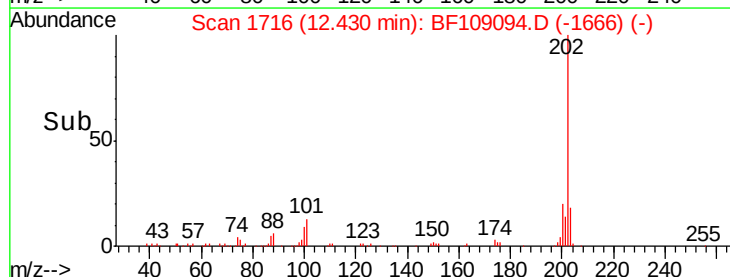


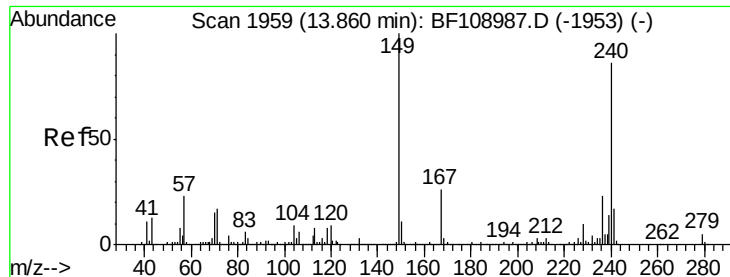
#74
 Fluoranthene
 Concen: 2.569 ng
 RT: 12.43 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BF109094.D
 Acq: 18 Sep 2018 14:39

Tgt Ion:202 Resp: 66113
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 34.1
 203 18.4 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: 20.000 ng

RT: 13.85 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF109094.D

Acq: 18 Sep 2018 14:39

Instrument :

BNA_F

ClientSampled :

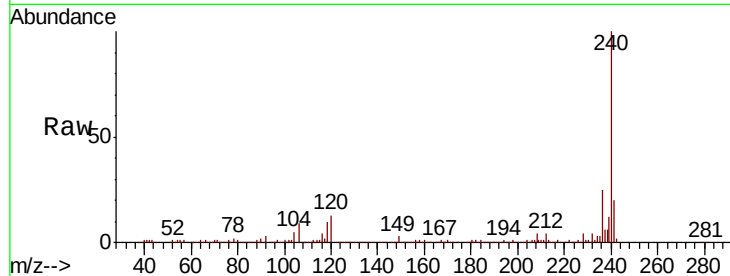
Tot Ion:240 Resp: 342667

Ion Ratio Lower Upper

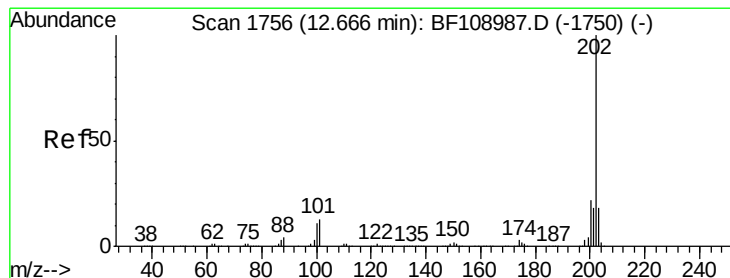
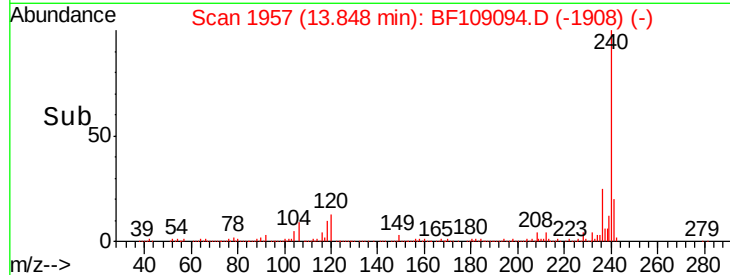
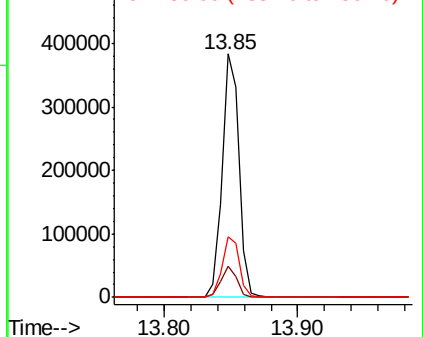
240 100

120 12.8 9.5 14.3

236 24.9 20.7 31.1



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



#77

Pyrene

Concen: 2.165 ng

RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF109094.D

Acq: 18 Sep 2018 14:39

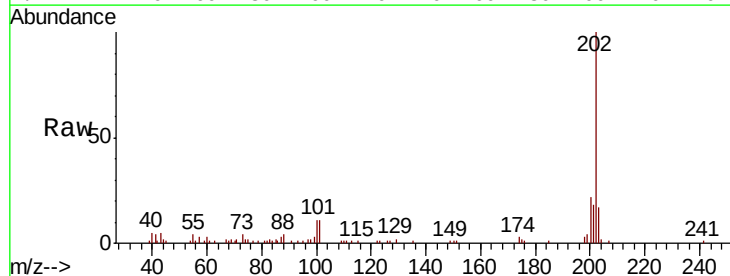
Tgt Ion:202 Resp: 55108

Ion Ratio Lower Upper

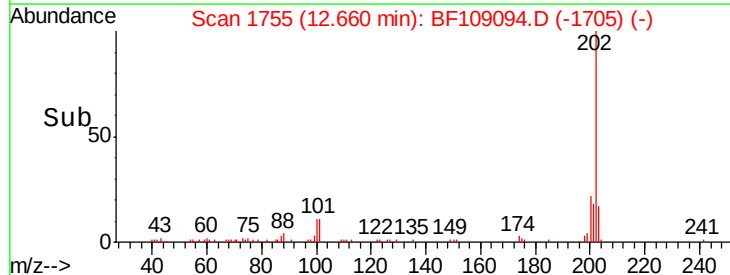
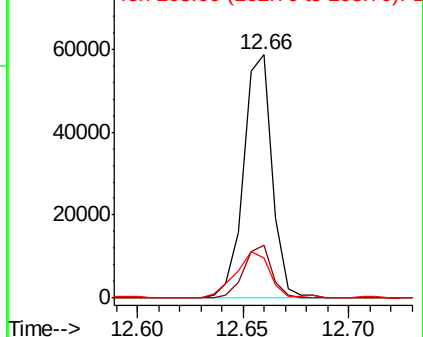
202 100

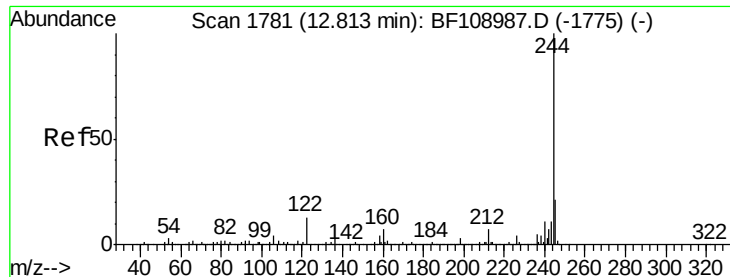
200 21.5 17.4 26.2

203 16.7 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



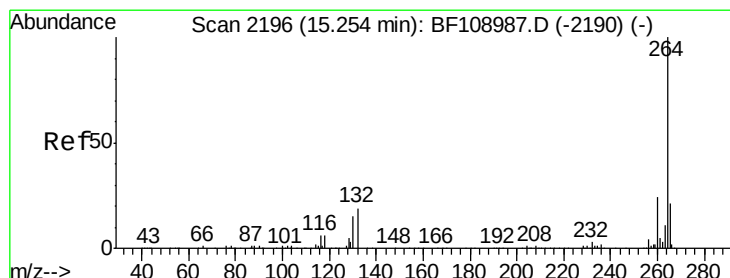
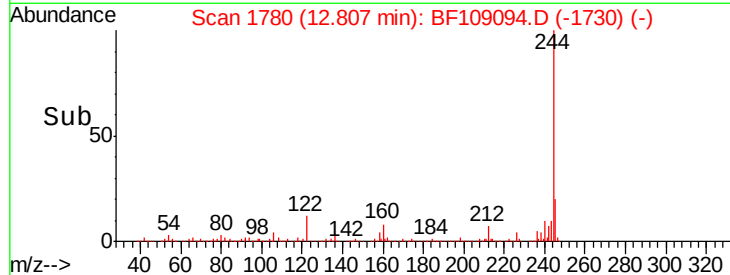
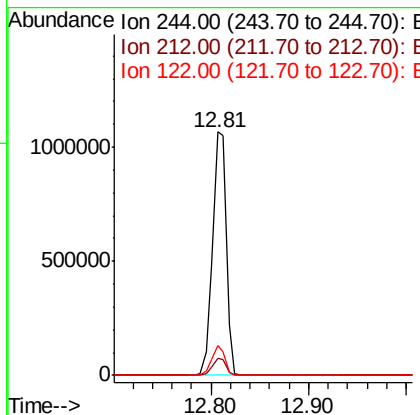
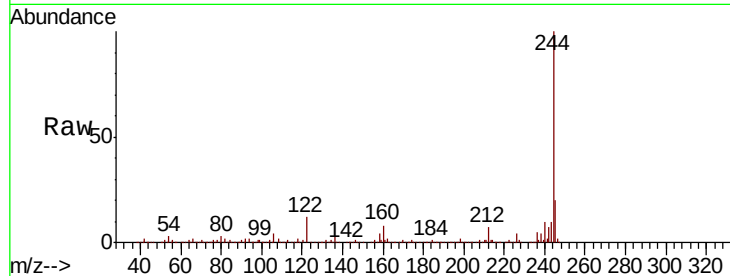


#78
 Terphenyl-d14
 Concen: 71.958 ng
 RT: 12.81 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF109094.D
 Acq: 18 Sep 2018 14:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1040285

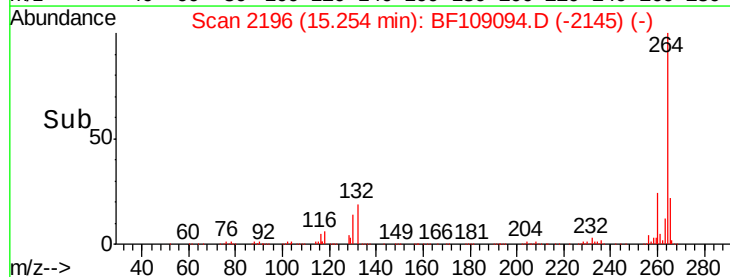
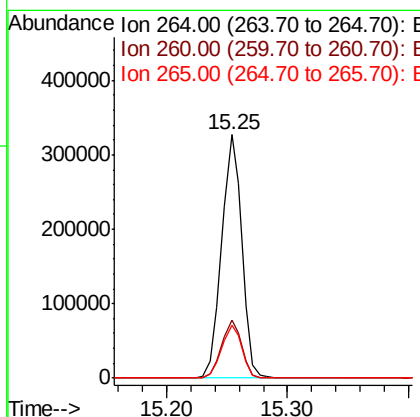
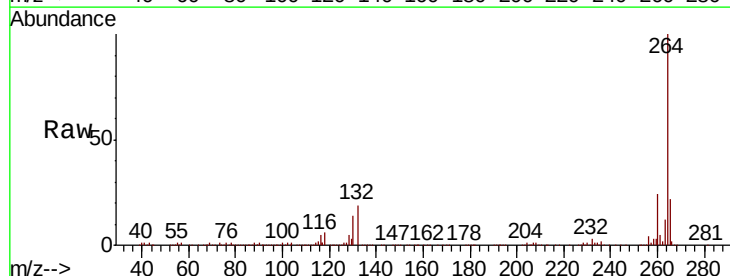
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.3	11.0	16.4

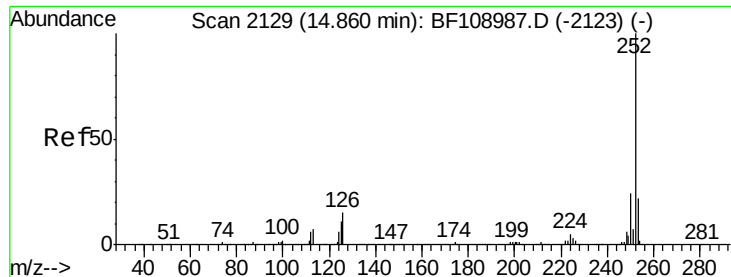


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.25 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: BF109094.D
 Acq: 18 Sep 2018 14:39

Tgt Ion:264 Resp: 377553

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.0	17.5	26.3

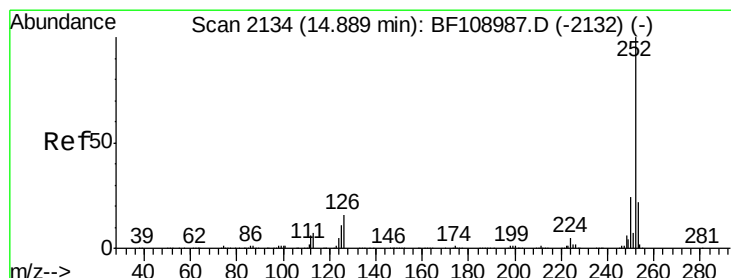
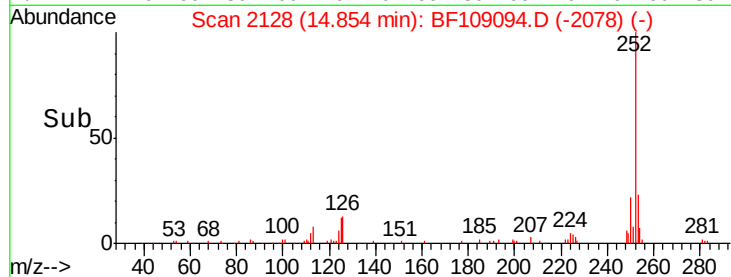
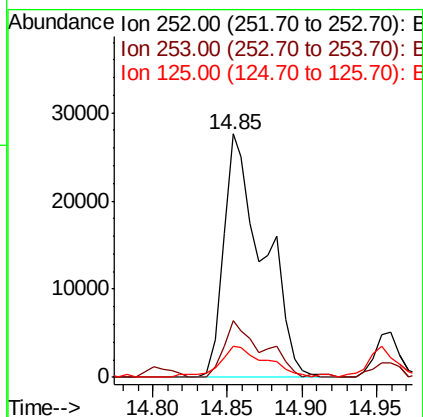
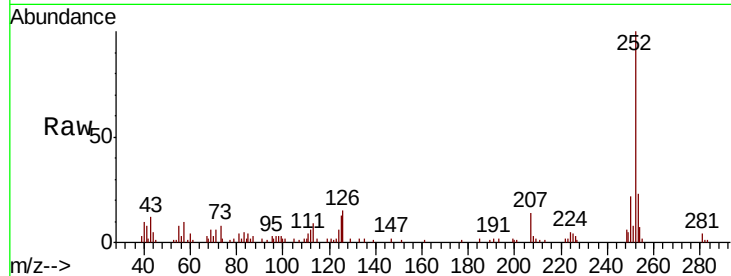




#87
Benzo(b)fluoranthene
Concen: 2.445 ng
RT: 14.85 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.8	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 2.618 ng
RT: 14.85 min Scan# 2128
Delta R.T. -0.04 min
Lab File: BF109094.D
Acq: 18 Sep 2018 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.8	10.2	15.2

