

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098175.D
 Acq On : 31 Aug 2017 00:18
 Operator : SJ/JU
 Sample : I5008-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:50:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

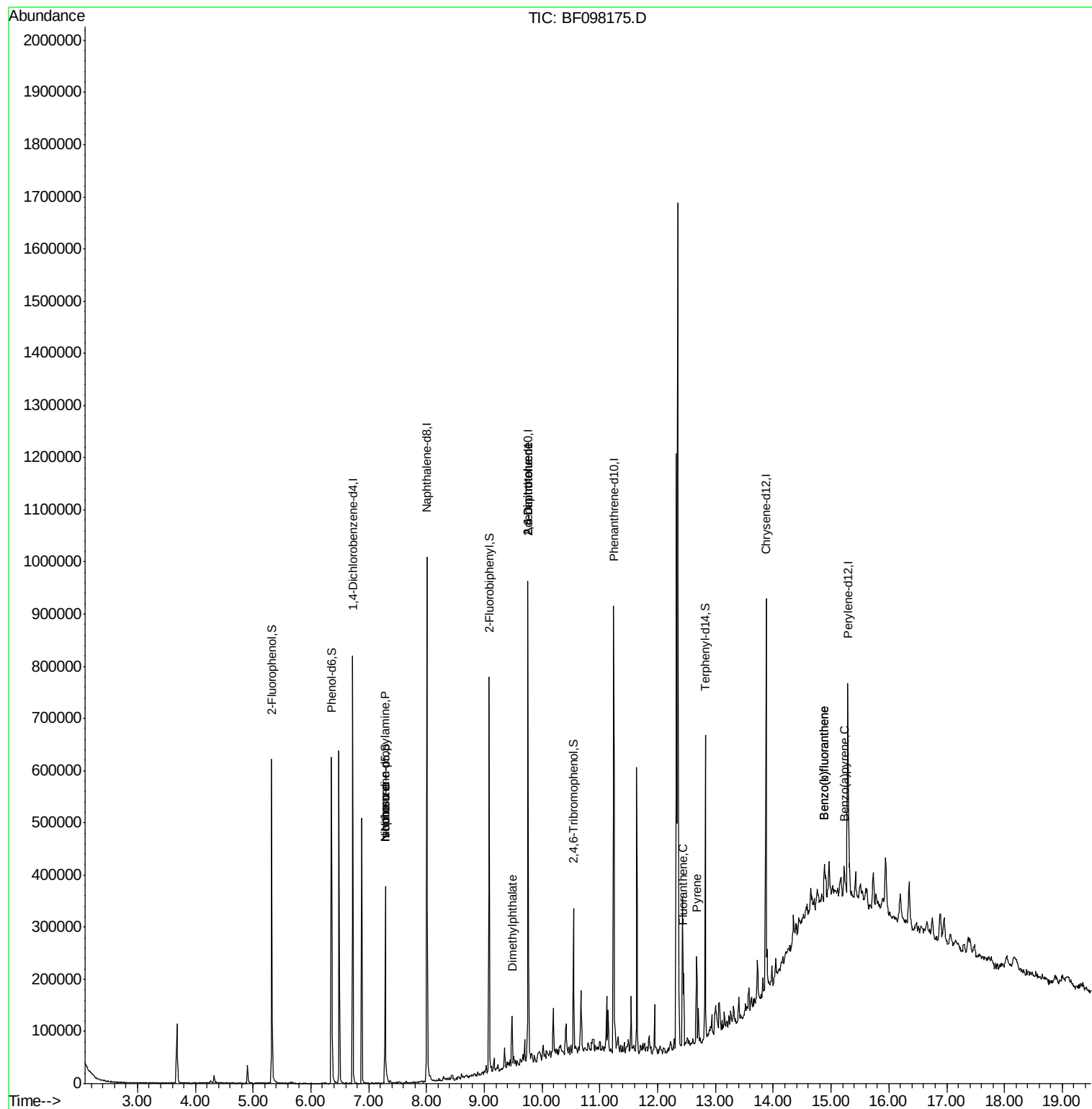
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	118605	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	445572	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	168472	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	276727	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	250492	20.00	ng	-0.02
86) Perylene-d12	15.29	264	180795	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	170732	21.90	ng	-0.03
7) Phenol-d6	6.36	99	229078	21.62	ng	-0.03
23) Nitrobenzene-d5	7.29	82	129905	15.84	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	26947	18.43	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	220186	19.20	ng	-0.03
78) Terphenyl-d14	12.82	244	151382	12.60	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	17544	2.419	ng	# 71
25) Isophorone	7.29	82	125444	7.355	ng	# 67
49) Dimethylphthalate	9.47	163	32680	2.654	ng	# 99
50) 2,6-Dinitrotoluene	9.76	165	22476	9.143	ng	# 34
56) 2,4-Dinitrotoluene	9.76	165	22476	7.286	ng	# 34
74) Fluoranthene	12.45	202	58338	3.790	ng	# 98
77) Pyrene	12.67	202	58719	2.866	ng	# 97
87) Benzo(b)fluoranthene	14.89	252	43185	3.789	ng	# 89
88) Benzo(k)fluoranthene	14.89	252	43185	4.033	ng	# 93
89) Benzo(a)pyrene	15.23	252	22392	2.220	ng	# 81

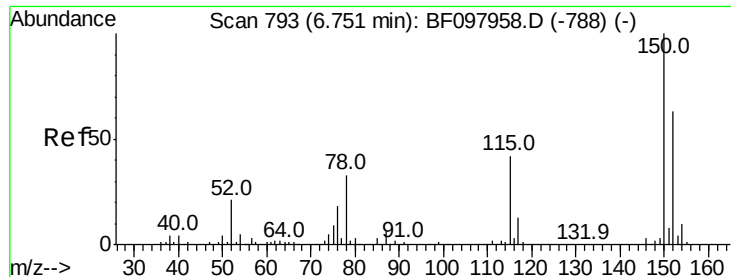
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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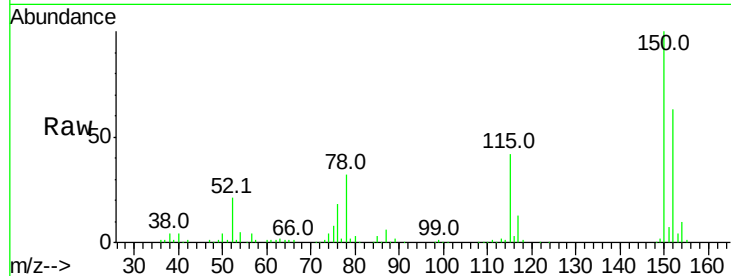


#1

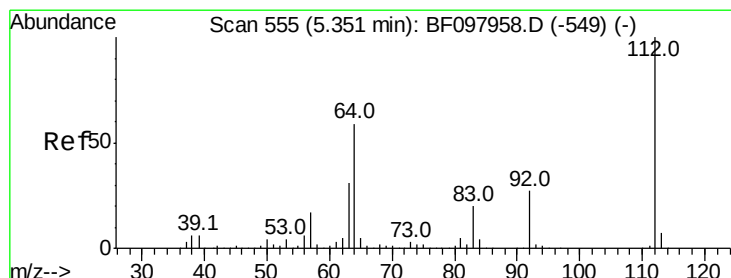
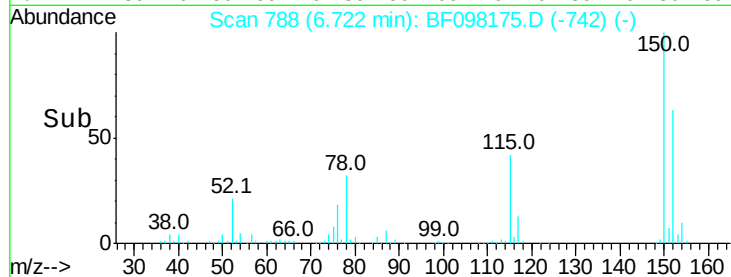
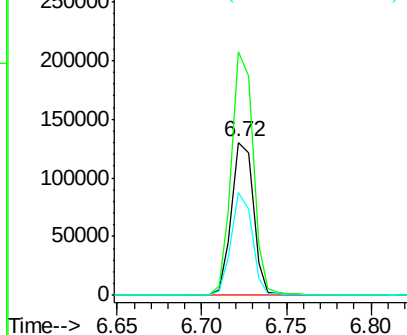
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118605
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 67.6 52.2 78.2



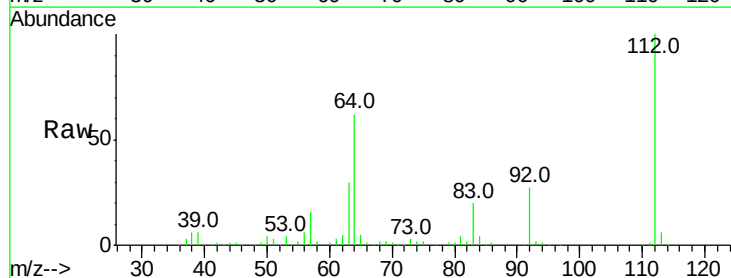
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



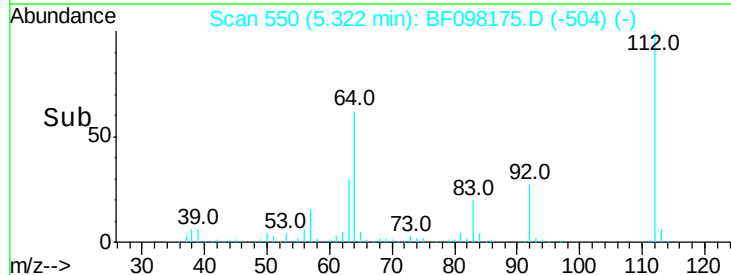
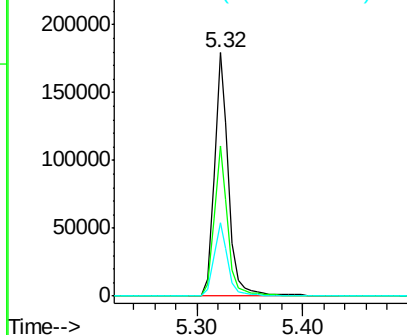
#5

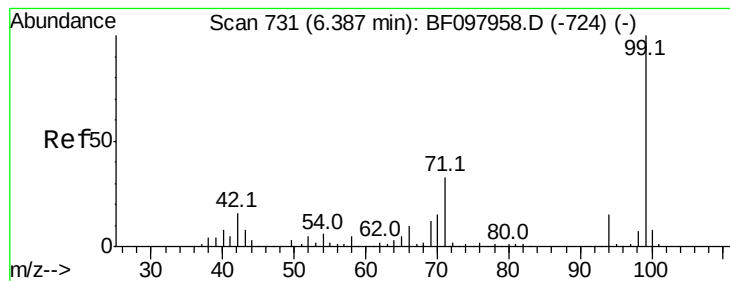
2-Fluorophenol
Concen: 21.896 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

Tgt Ion:112 Resp: 170732
Ion Ratio Lower Upper
112 100
64 61.9 46.0 69.0
63 30.3 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: 21.622 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098175.D

Acq: 31 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

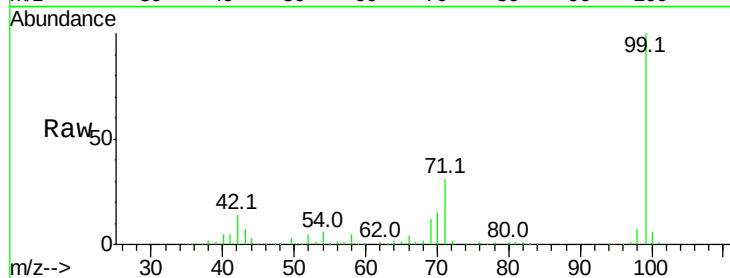
Tot Ion: 99 Resp: 229078

Ion Ratio Lower Upper

99 100

42 14.2 13.5 20.3

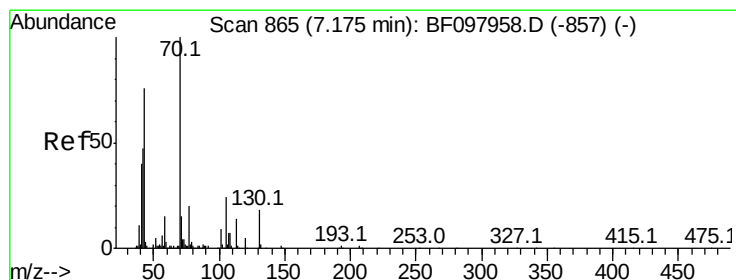
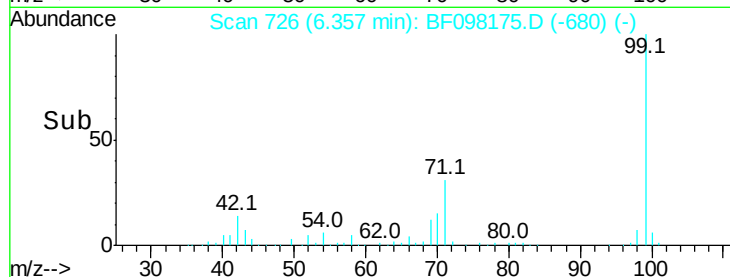
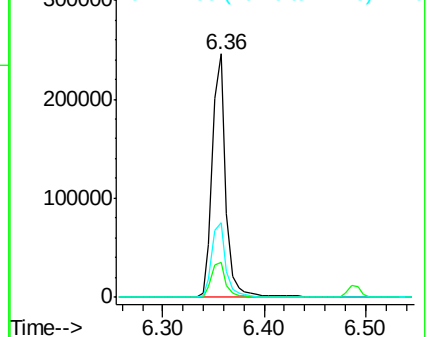
71 30.7 24.5 36.7



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: 2.419 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098175.D

Acq: 31 Aug 2017 00:18

Tgt Ion: 70 Resp: 17544

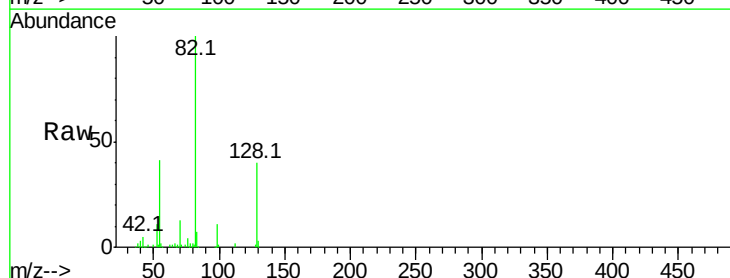
Ion Ratio Lower Upper

70 100

42 39.9 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

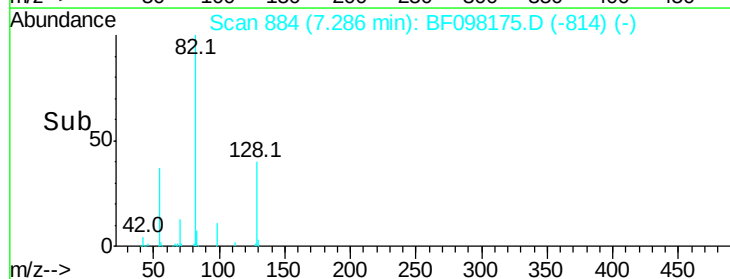
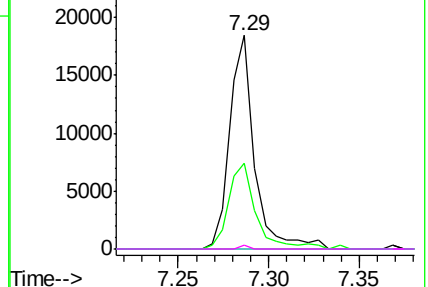


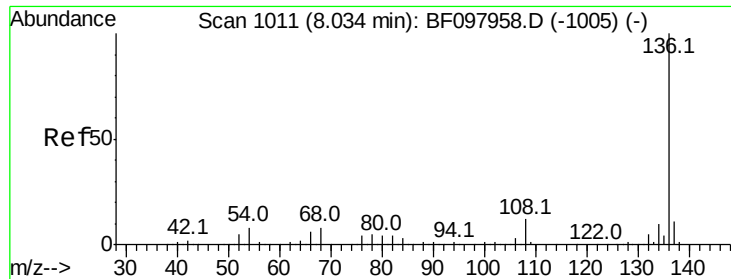
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

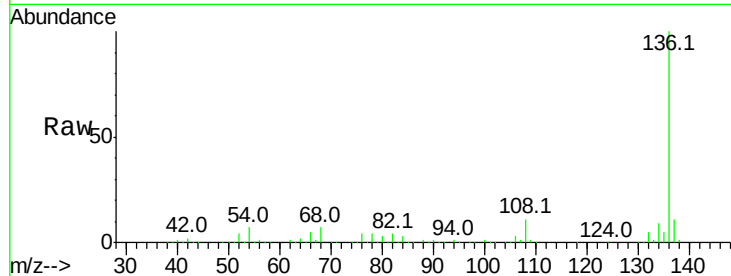




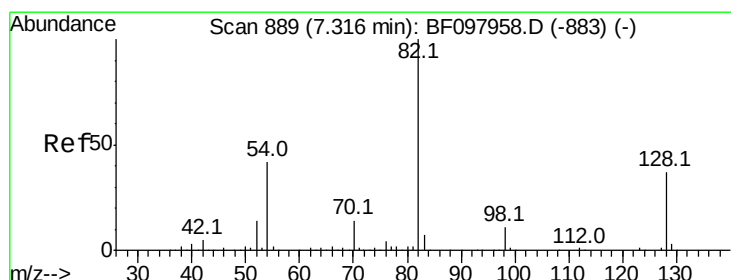
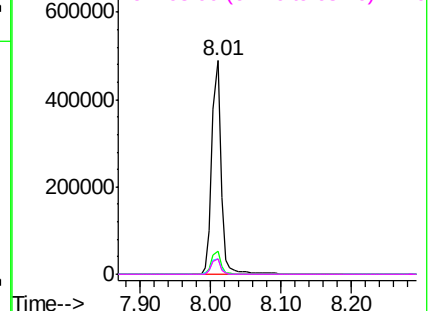
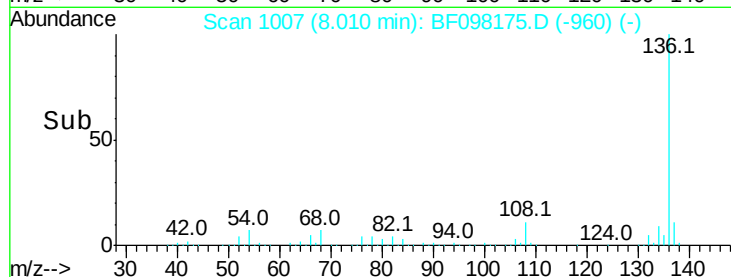
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	445572
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.2	4.9	7.3
68	7.2	4.1	6.1#

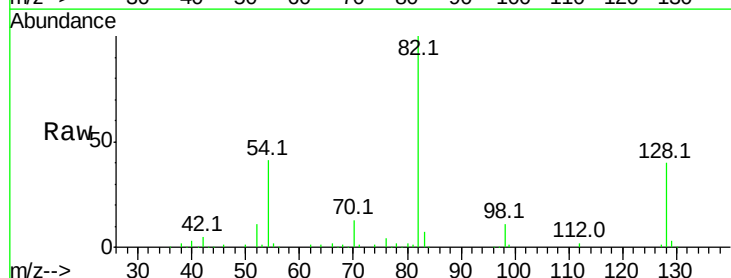


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

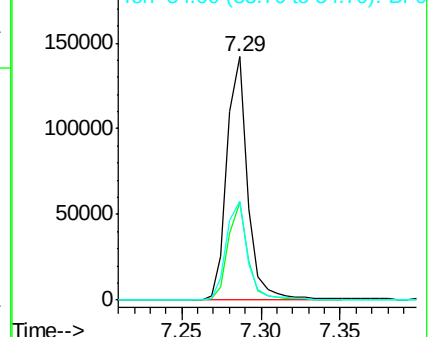
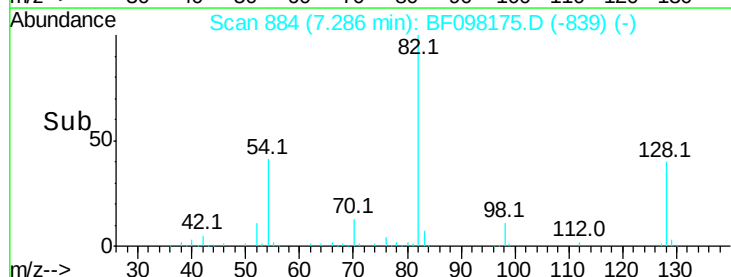


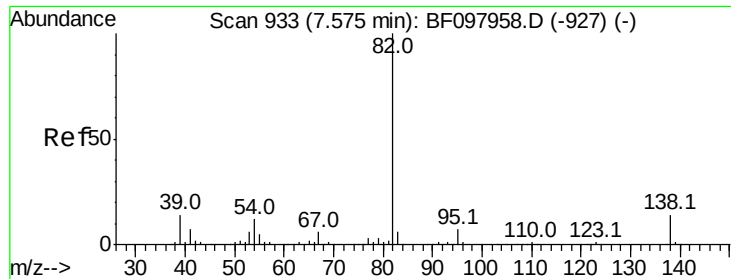
#23
Nitrobenzene-d5
Concen: 15.838 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

Tgt Ion:	82	Resp:	129905
Ion	Ratio	Lower	Upper
82	100		
128	40.1	34.0	51.0
54	40.6	42.2	63.2#



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





#25

Isophorone

Concen: 7.355 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098175.D

Acq: 31 Aug 2017 00:18

Instrument :

BNA_F

ClientSampled :

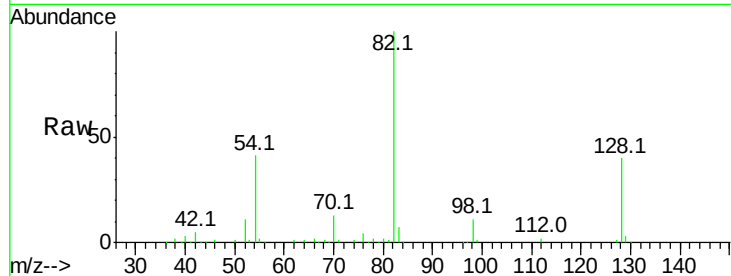
Tot Ion: 82 Resp: 125444

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

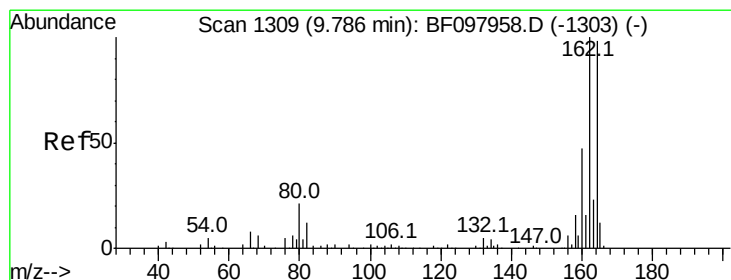
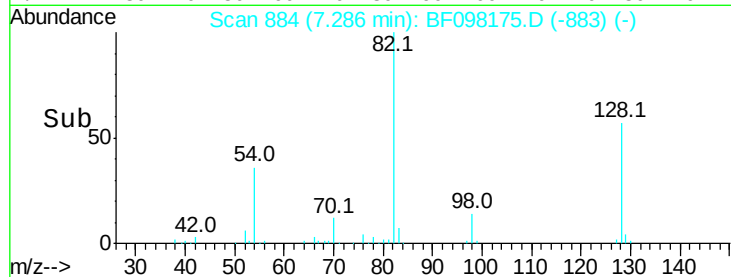
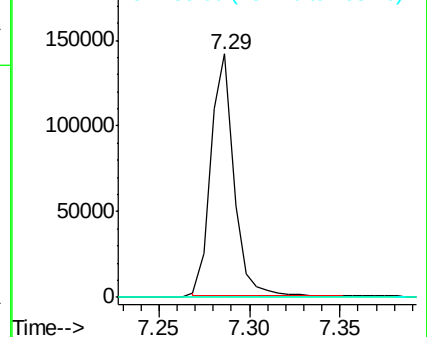
138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098175.D

Acq: 31 Aug 2017 00:18

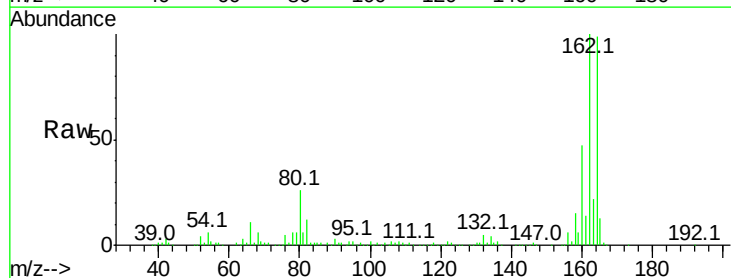
Tgt Ion:164 Resp: 168472

Ion Ratio Lower Upper

164 100

162 101.5 82.6 123.8

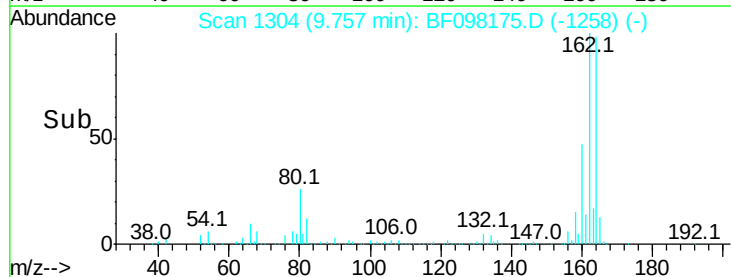
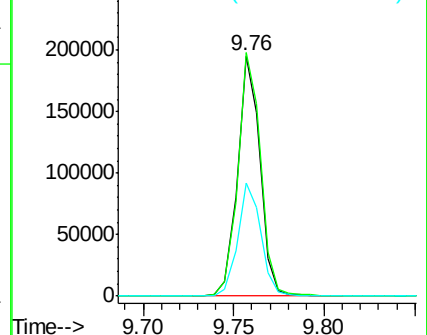
160 47.3 36.2 54.2

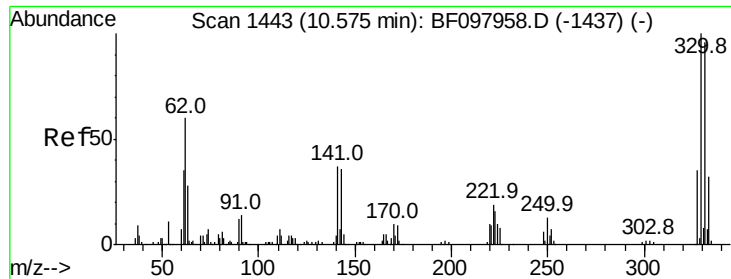


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

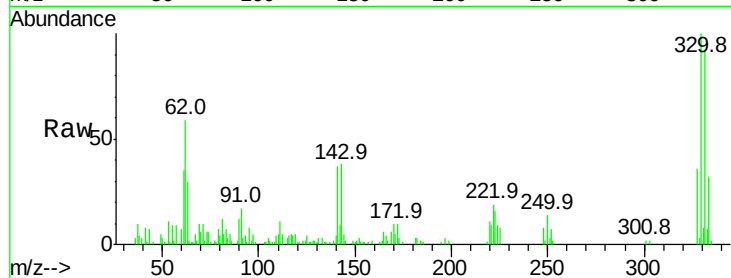




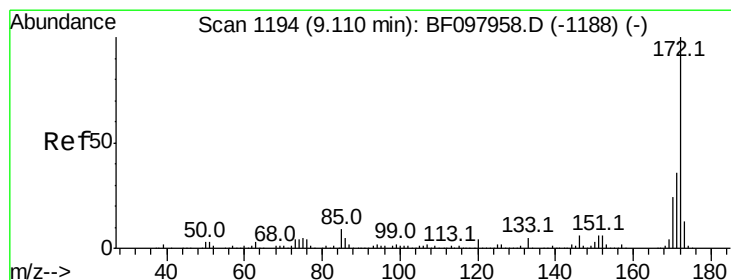
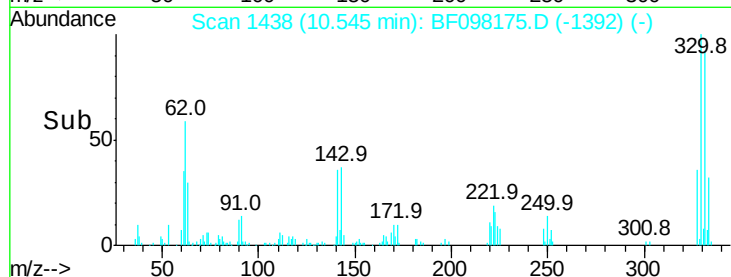
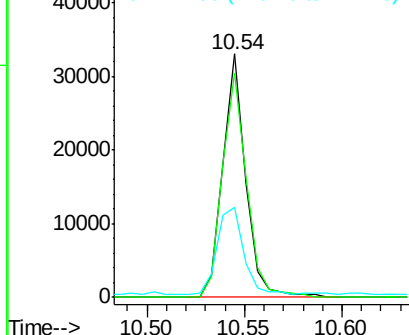
#41
 2,4,6-Tribromophenol
 Concen: 18.435 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098175.D
 Acq: 31 Aug 2017 00:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 26947
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 42.7 31.4 47.2

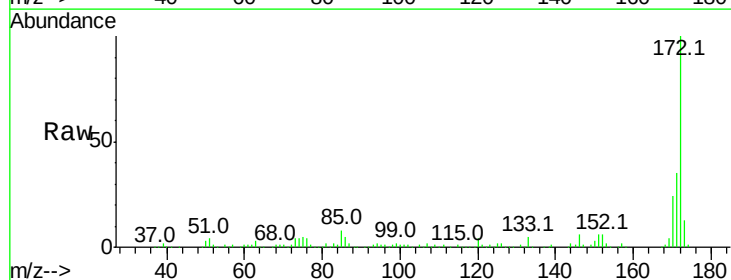


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

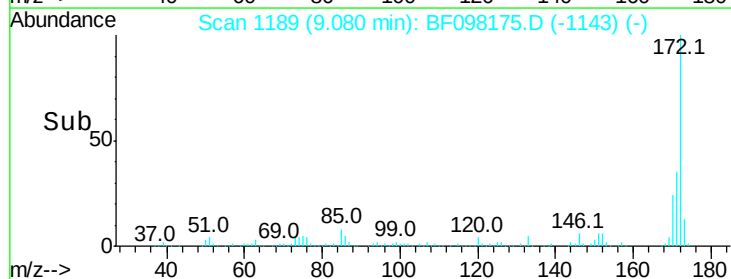
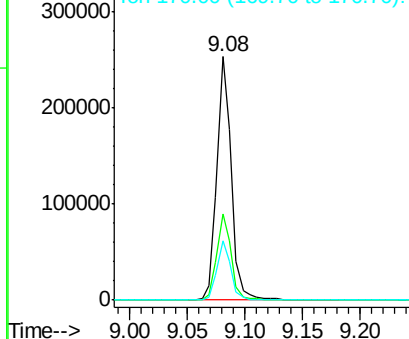


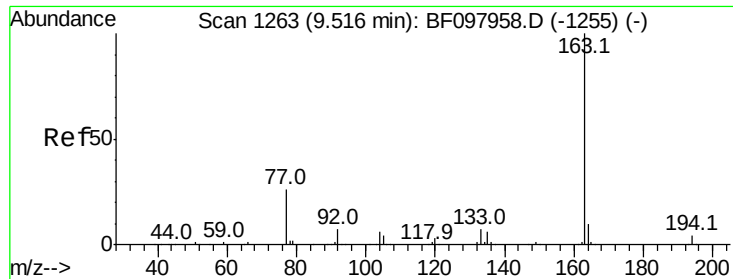
#44
 2-Fluorobiphenyl
 Concen: 19.202 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098175.D
 Acq: 31 Aug 2017 00:18

Tgt Ion:172 Resp: 220186
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.6 44.4
 170 24.2 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

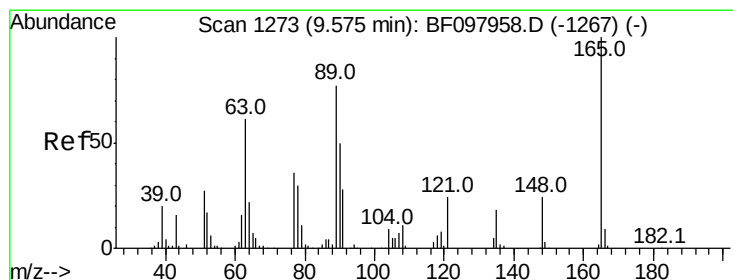
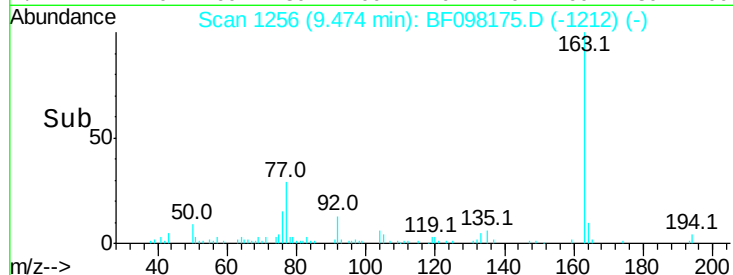
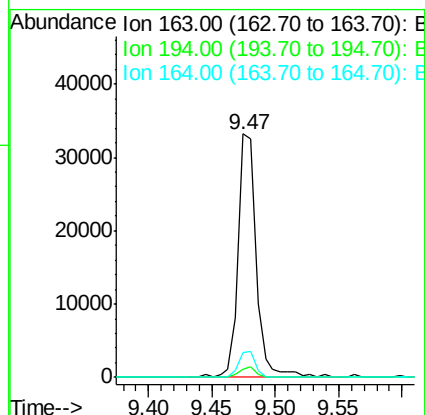
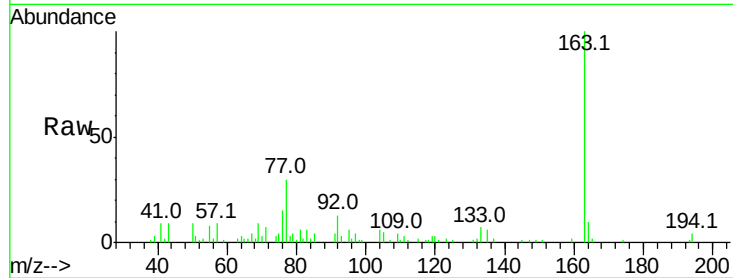




#49
Dimethylphthalate
Concen: 2.654 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.04 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

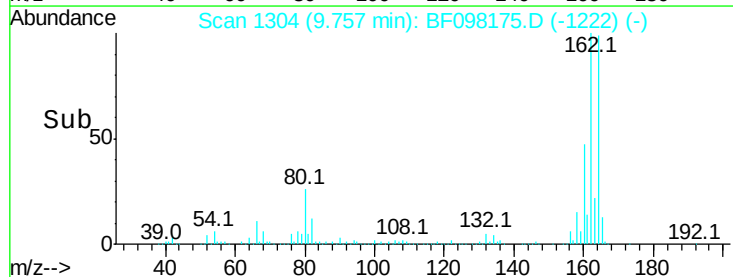
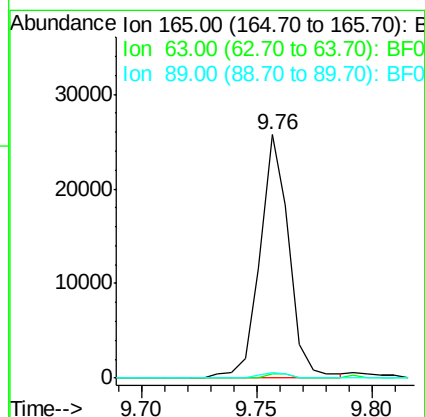
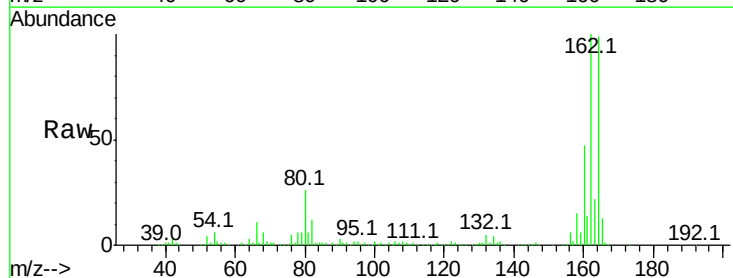
Instrument :
BNA_F
ClientSampleId :

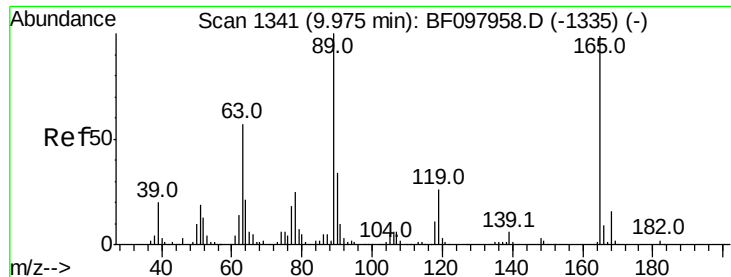
Tot Ion:163 Resp: 32680
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.9 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 9.143 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.18 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

Tgt Ion:165 Resp: 22476
Ion Ratio Lower Upper
165 100
63 1.6 34.3 51.5#
89 2.2 37.1 55.7#

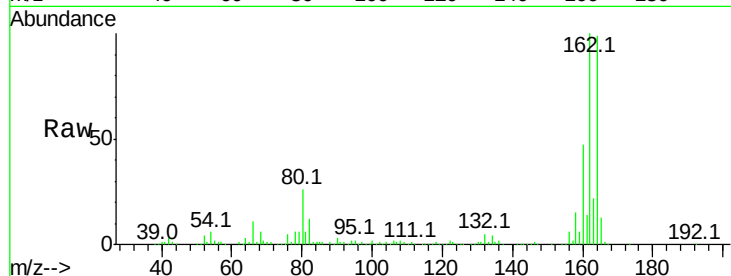




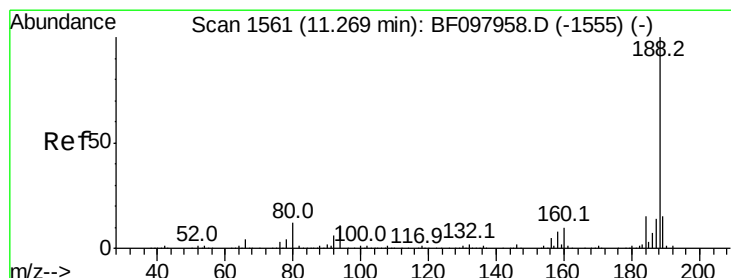
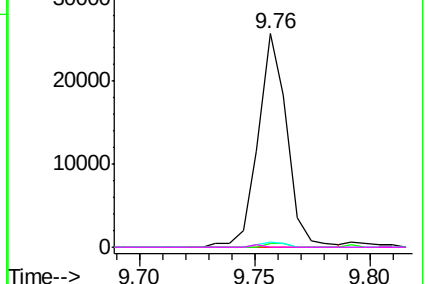
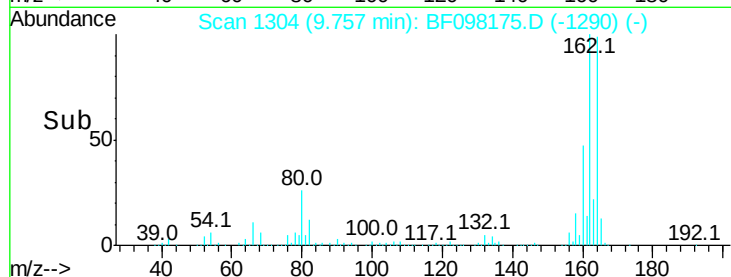
#56
 2,4-Dinitrotoluene
 Concen: 7.286 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF098175.D
 Acq: 31 Aug 2017 00:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 22476
 Ion Ratio Lower Upper
 165 100
 63 1.6 25.4 38.0#
 89 2.2 46.4 69.6#
 182 0.0 1.8 2.6#

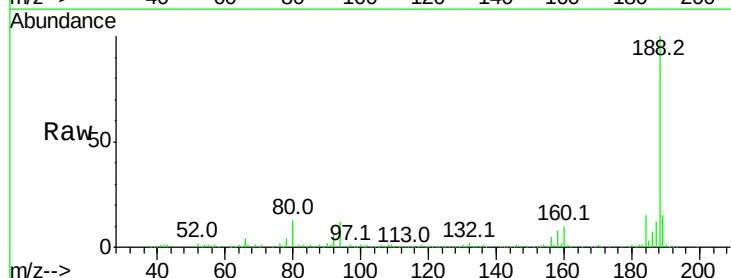


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

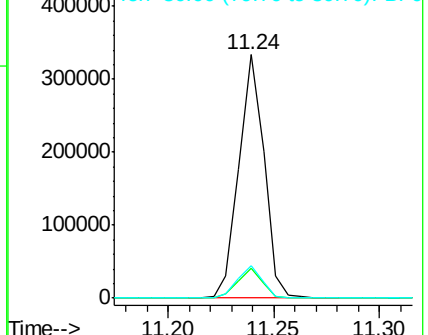
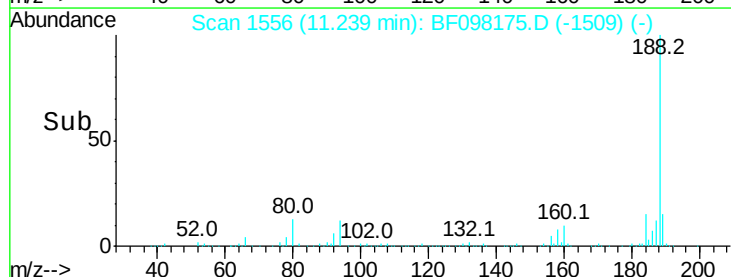


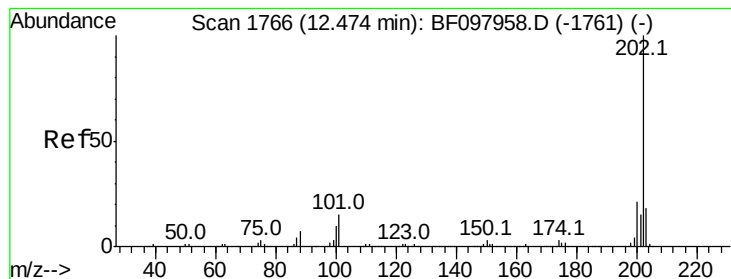
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098175.D
 Acq: 31 Aug 2017 00:18

Tgt Ion:188 Resp: 276727
 Ion Ratio Lower Upper
 188 100
 94 12.2 9.4 14.2
 80 13.1 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





#74

Fluoranthene

Concen: 3.790 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098175.D

Acq: 31 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

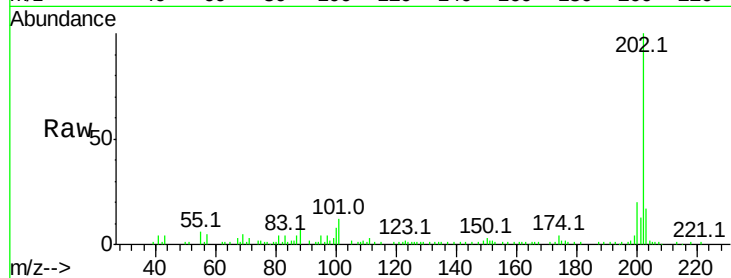
Tot Ion:202 Resp: 58338

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.2

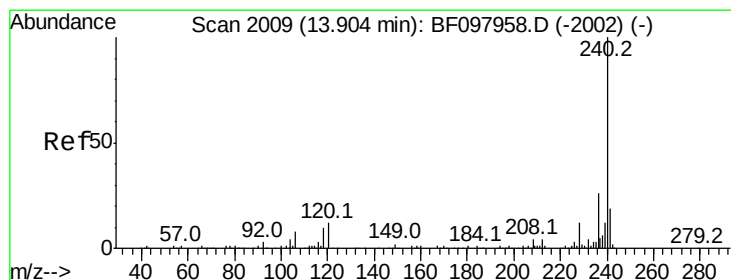
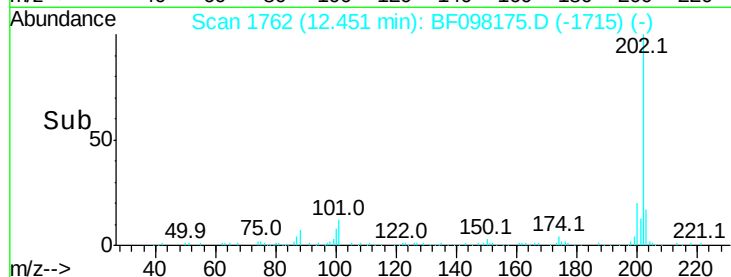
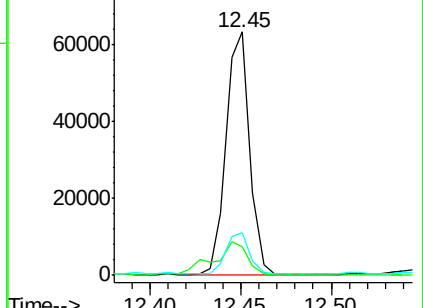
203 17.4 0.0 38.1



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: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098175.D

Acq: 31 Aug 2017 00:18

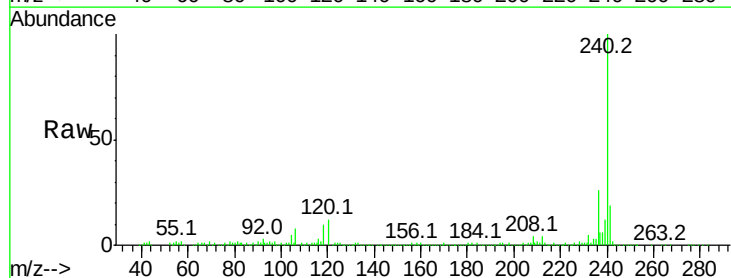
Tgt Ion:240 Resp: 250492

Ion Ratio Lower Upper

240 100

120 12.1 5.8 8.8#

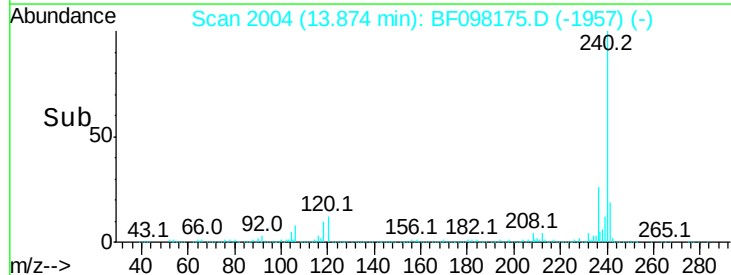
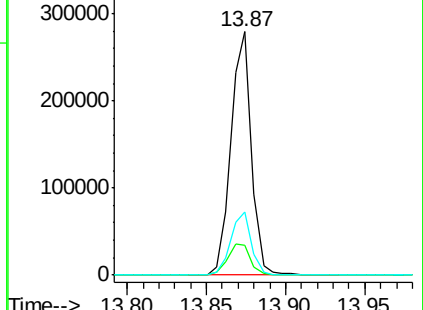
236 26.0 20.5 30.7

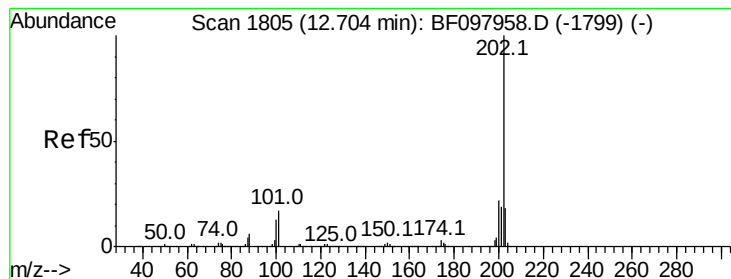


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.866 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.03 min

Lab File: BF098175.D

Acq: 31 Aug 2017 00:18

Instrument :

BNA_F

ClientSampleId :

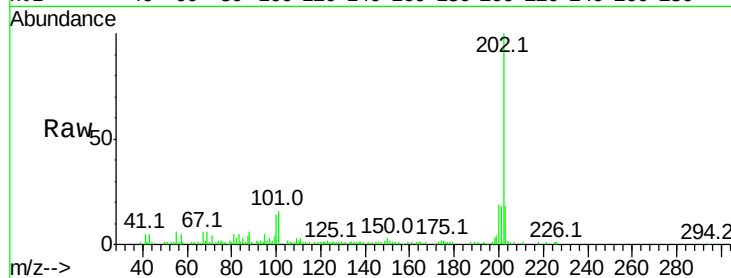
Tot Ion:202 Resp: 58719

Ion Ratio Lower Upper

202 100

200 19.2 17.6 26.4

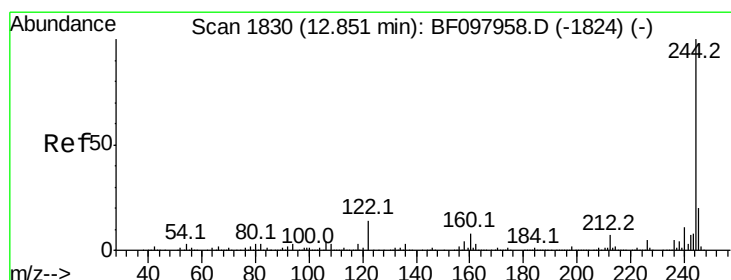
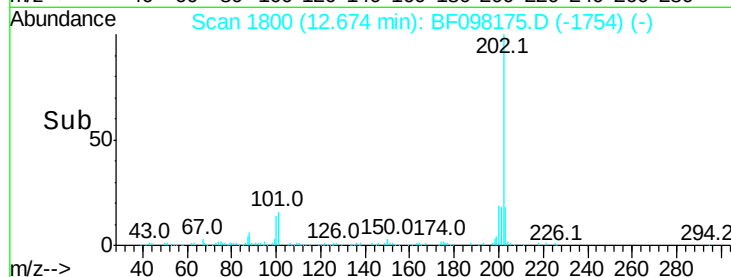
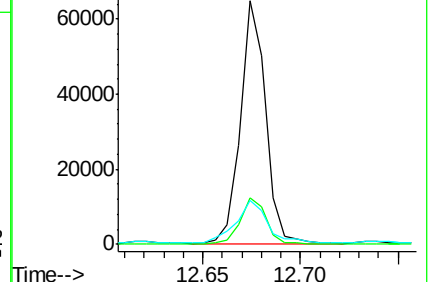
203 18.2 14.4 21.6



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: 12.602 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098175.D

Acq: 31 Aug 2017 00:18

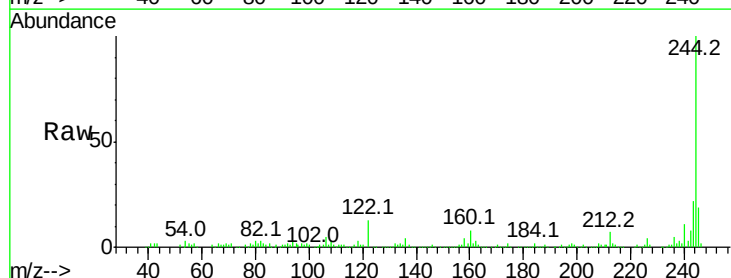
Tgt Ion:244 Resp: 151382

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

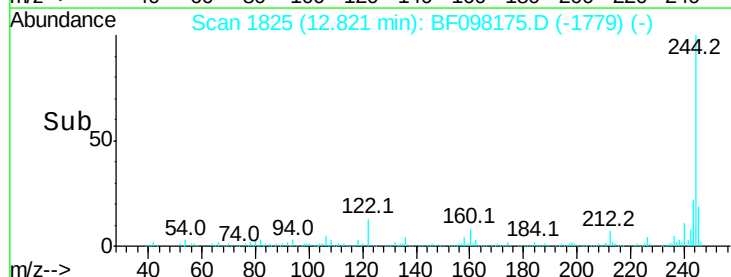
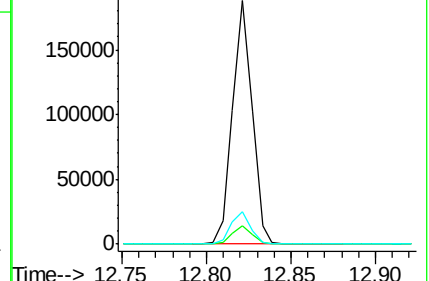
122 13.4 10.3 15.5

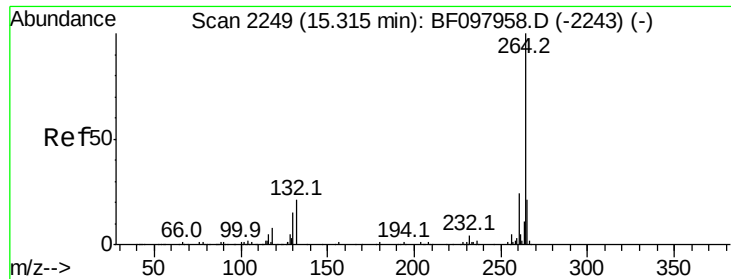


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

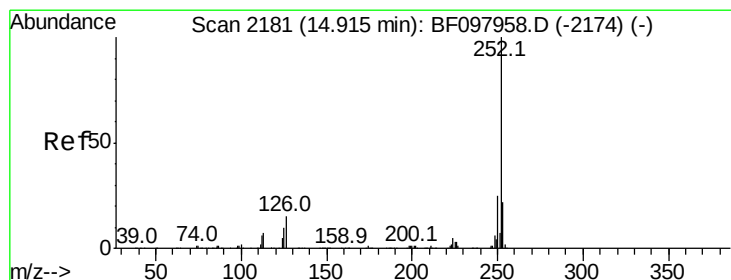
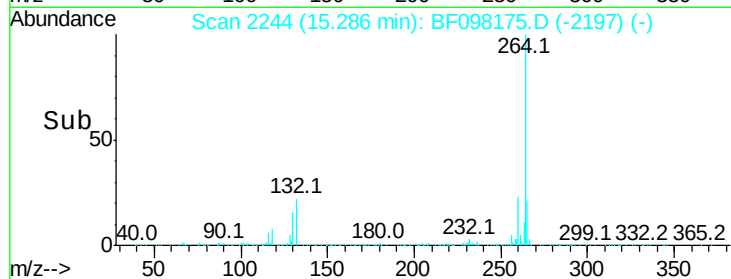
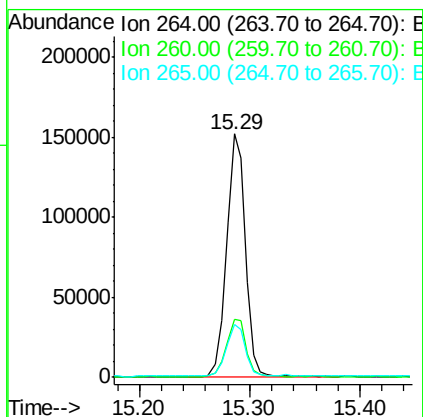
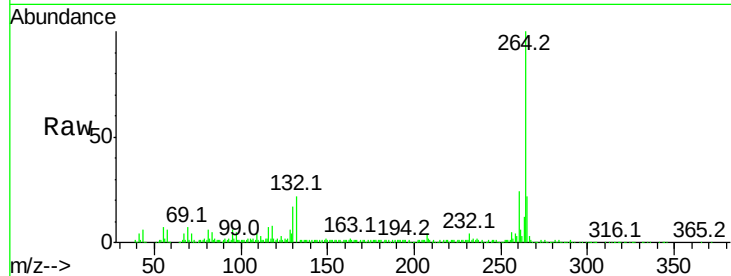




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

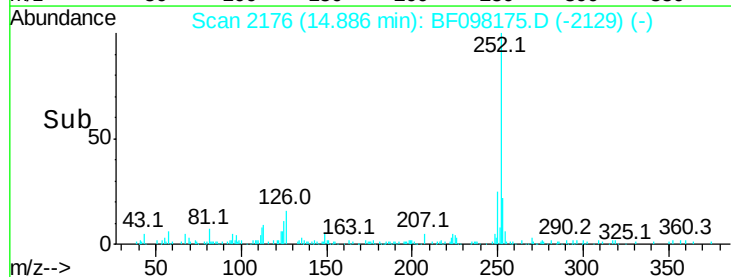
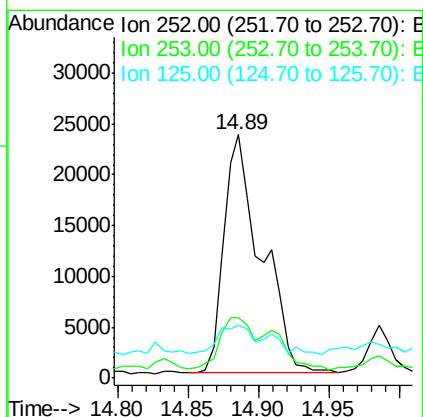
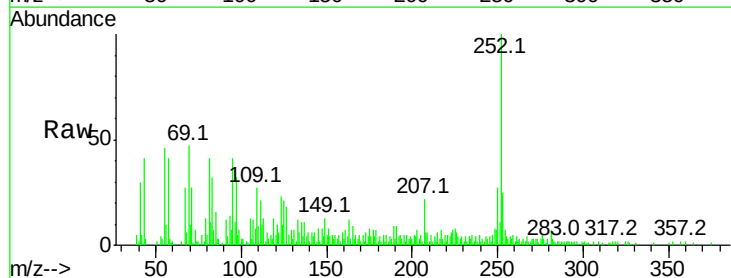
Instrument :
BNA_F
ClientSampleId :

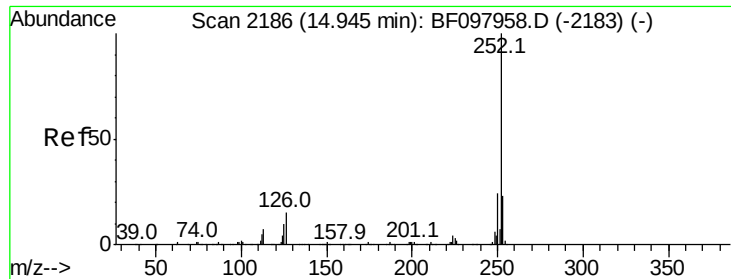
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	21.9	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.789 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	21.5	9.8	14.8#

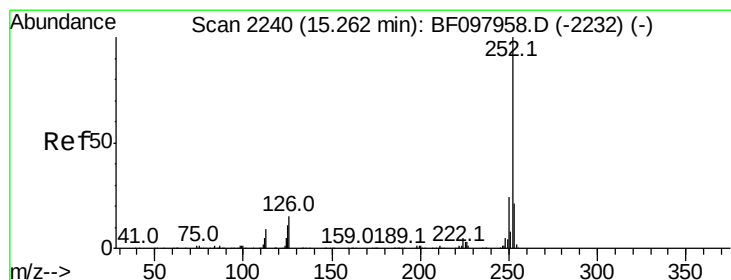
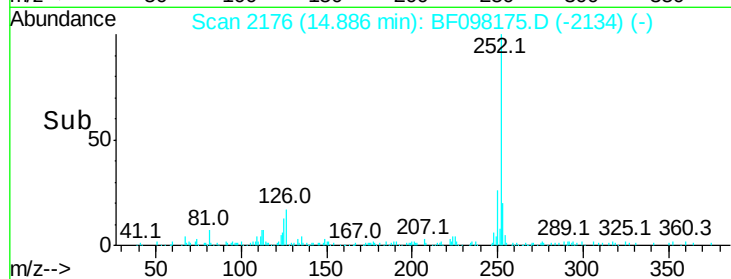
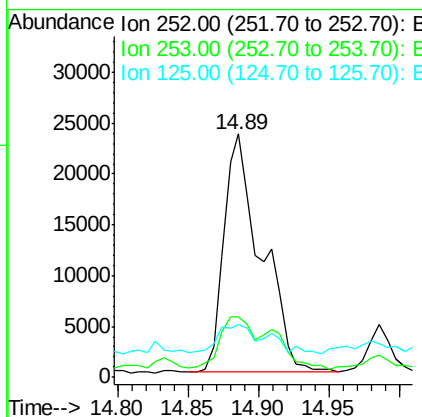
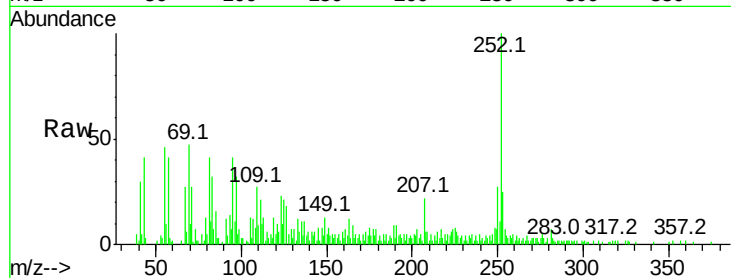




#88
Benzo(k)fluoranthene
Concen: 4.033 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.05 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.4	27.6
125	21.5	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.220 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.03 min
Lab File: BF098175.D
Acq: 31 Aug 2017 00:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.5	26.3
125	27.3	11.0	16.4

