

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101884.D
 Acq On : 4 Jan 2018 3:59
 Operator : SJ/JU
 Sample : J1004-20 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 04 04:37:05 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

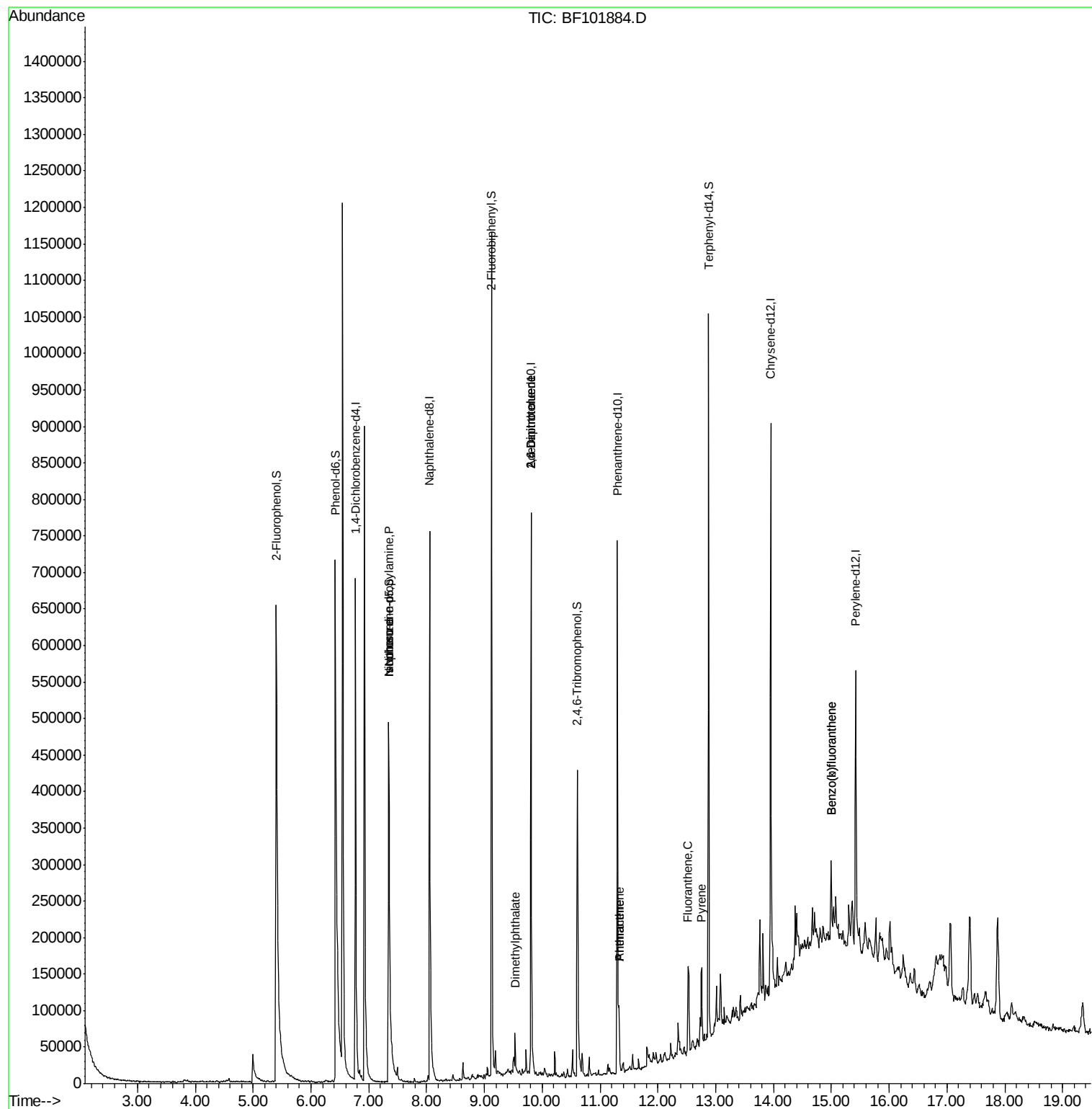
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	123286	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	437641	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	156371	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	273686	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	270933	20.00	ng	-0.02
86) Perylene-d12	15.42	264	202676	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	419237	50.65	ng	0.00
7) Phenol-d6	6.42	99	503496	48.88	ng	-0.01
23) Nitrobenzene-d5	7.35	82	281585	35.82	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	68705	45.60	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	369829	36.69	ng	-0.02
78) Terphenyl-d14	12.87	244	312410	27.80	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.35	70	36105	5.337	ng	# 81
25) Isophorone	7.35	82	281585	17.854	ng	# 64
49) Dimethylphthalate	9.53	163	27902	2.218	ng	# 95
50) 2,6-Dinitrotoluene	9.80	165	20712	8.102	ng	# 24
56) 2,4-Dinitrotoluene	9.80	165	20712	7.191	ng	# 21
70) Phenanthrene	11.33	178	31533	2.072	ng	97
71) Anthracene	11.33	178	31533	2.028	ng	97
74) Fluoranthene	12.52	202	50088	3.135	ng	98
77) Pyrene	12.76	202	45693	2.247	ng	98
87) Benzo(b)fluoranthene	15.00	252	35178	2.848	ng	# 83
88) Benzo(k)fluoranthene	15.00	252	35178	2.929	ng	# 86

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

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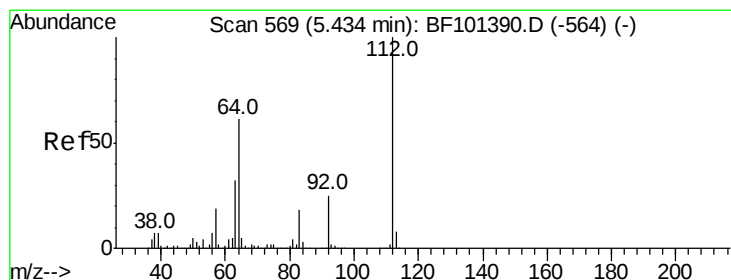
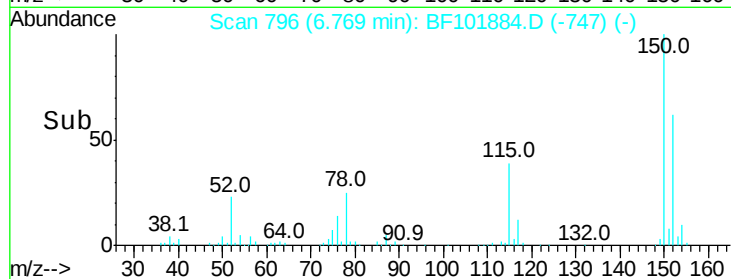
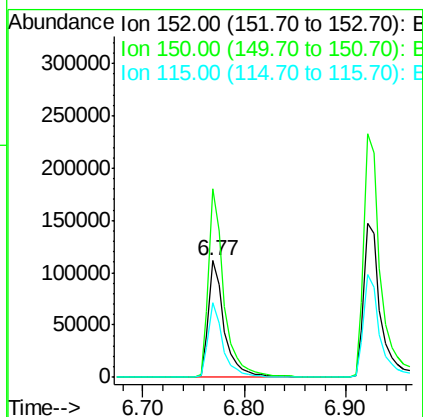
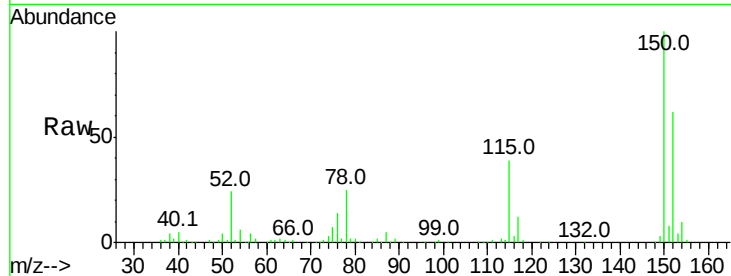


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101884.D
Acq: 4 Jan 2018 3:59

Instrument :
BNA_F
ClientSampleId :

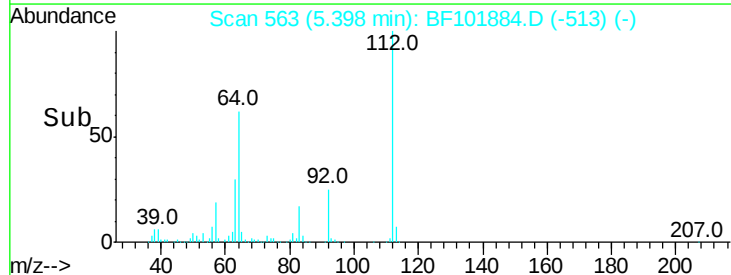
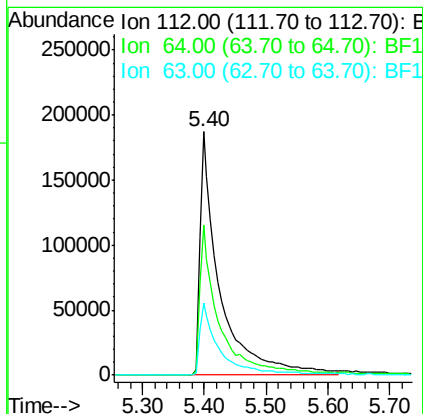
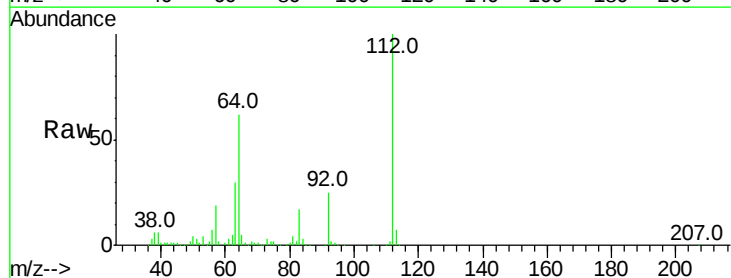
Tot Ion:152 Resp: 123286
Ion Ratio Lower Upper
152 100
150 161.7 124.6 186.8
115 63.5 50.1 75.1

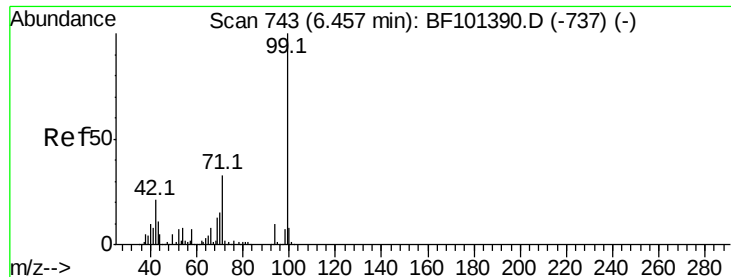


#5

2-Fluorophenol
Concen: 50.653 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101884.D
Acq: 4 Jan 2018 3:59

Tgt Ion:112 Resp: 419237
Ion Ratio Lower Upper
112 100
64 61.5 47.9 71.9
63 29.9 23.7 35.5





#7

Phenol-d6

Concen: 48.881 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

Instrument :

BNA_F

ClientSampleId :

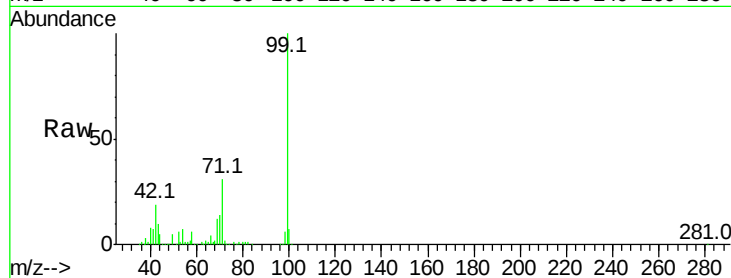
Tot Ion: 99 Resp: 503496

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

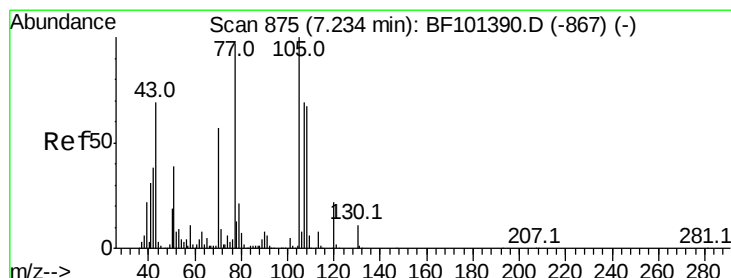
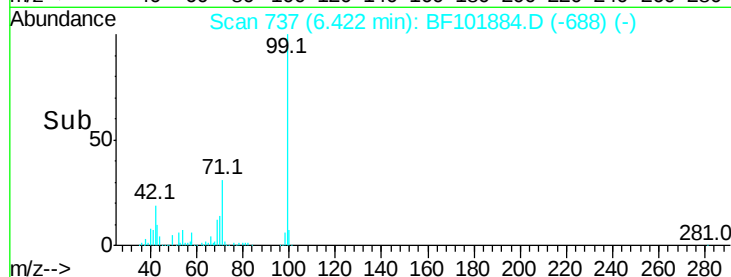
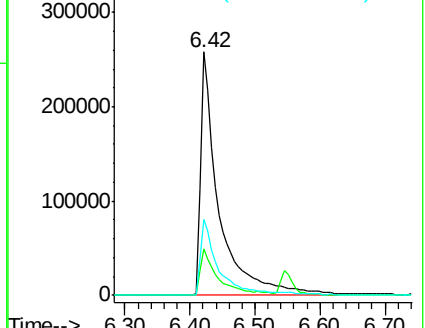
71 31.3 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.337 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

Tgt Ion: 70 Resp: 36105

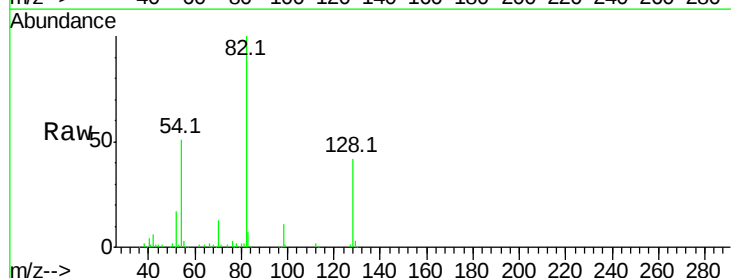
Ion Ratio Lower Upper

70 100

42 50.9 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

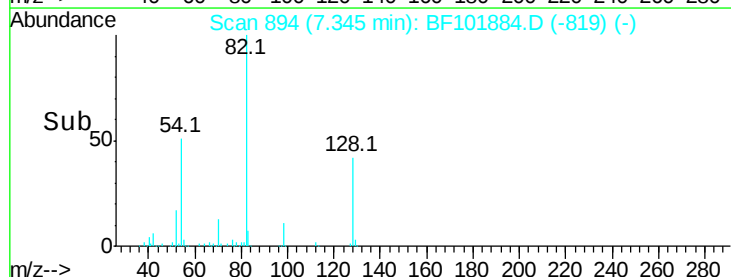
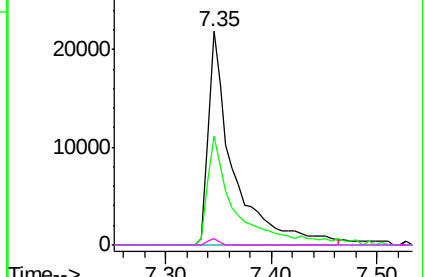


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

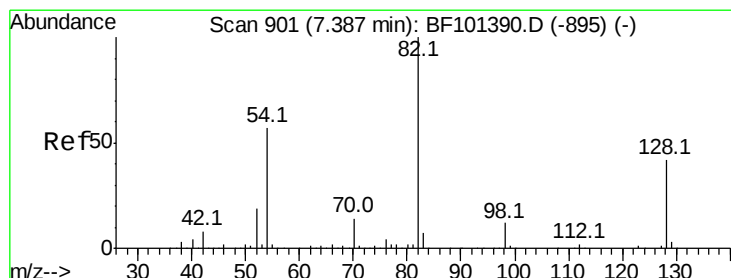
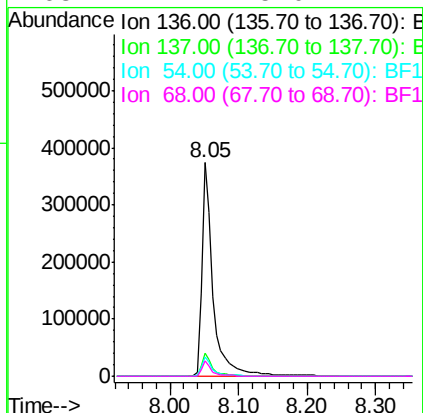
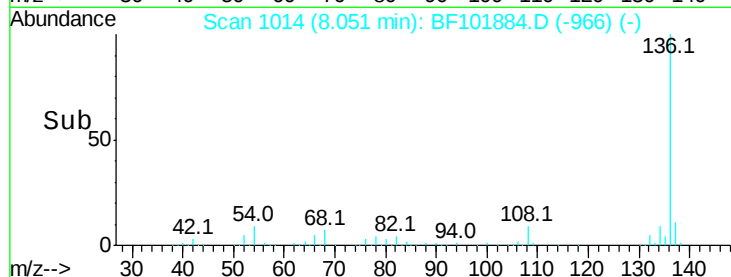
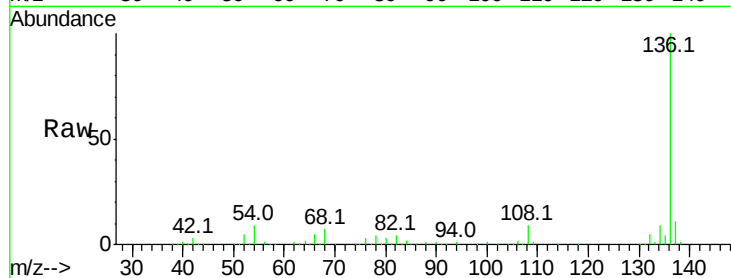




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BF101884.D
Acq: 4 Jan 2018 3:59

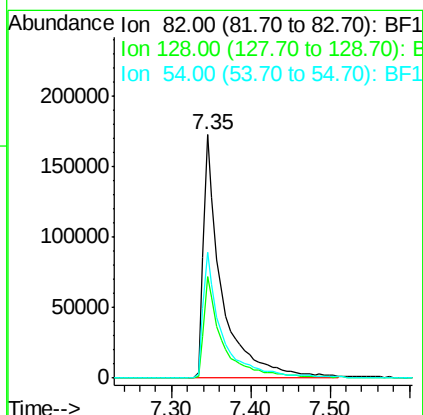
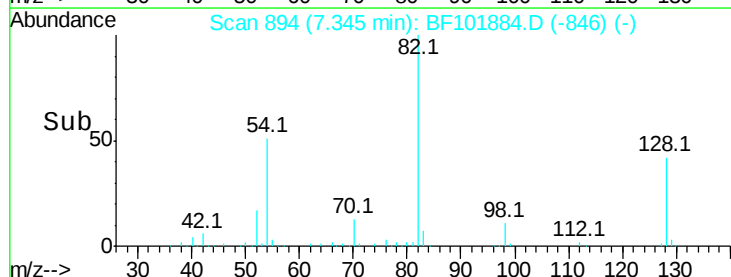
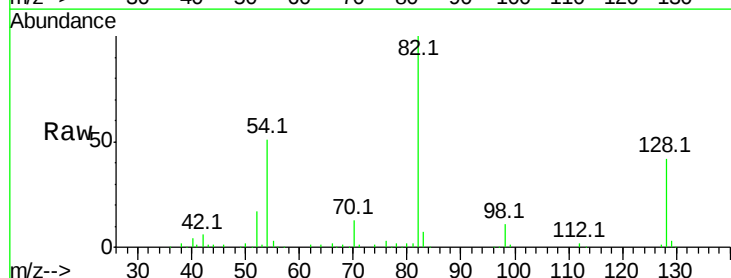
Instrument :
BNA_F
ClientSampleId :

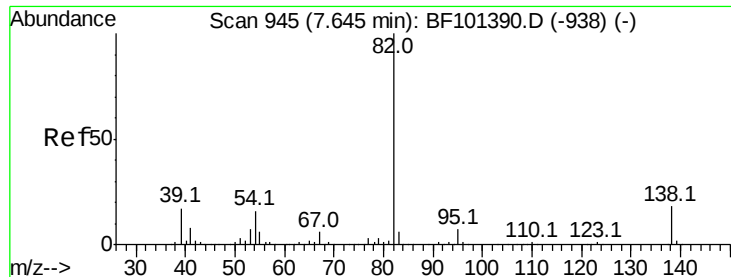
Tot Ion:	136	Resp:	437641
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.8	6.6	9.8
68	7.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 35.816 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101884.D
Acq: 4 Jan 2018 3:59

Tgt Ion:	82	Resp:	281585
Ion	Ratio	Lower	Upper
82	100		
128	41.9	36.1	54.1
54	51.5	41.4	62.2





#25

Isophorone

Concen: 17.854 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

Instrument :

BNA_F

ClientSampled :

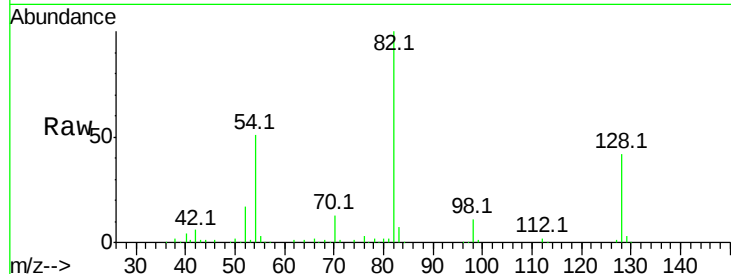
Tot Ion: 82 Resp: 281585

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

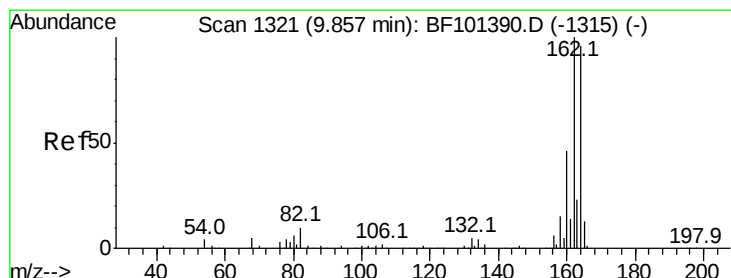
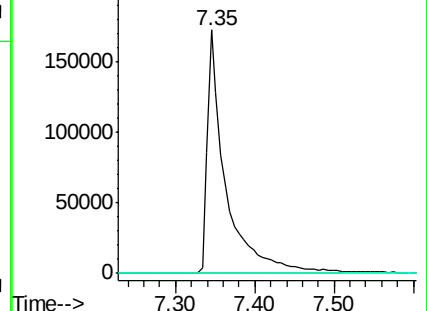
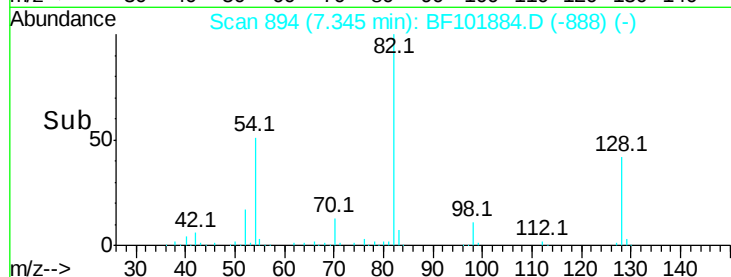
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

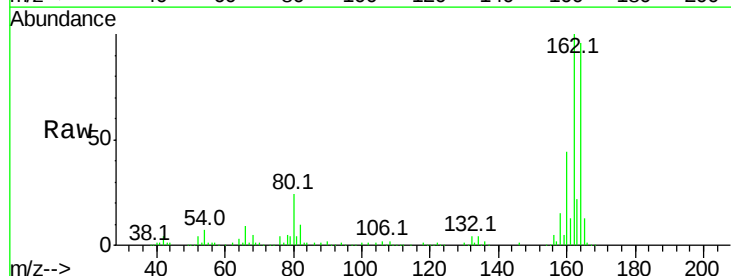
Tgt Ion:164 Resp: 156371

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

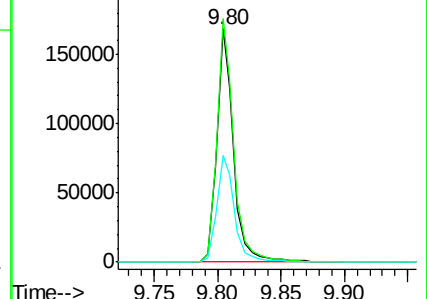
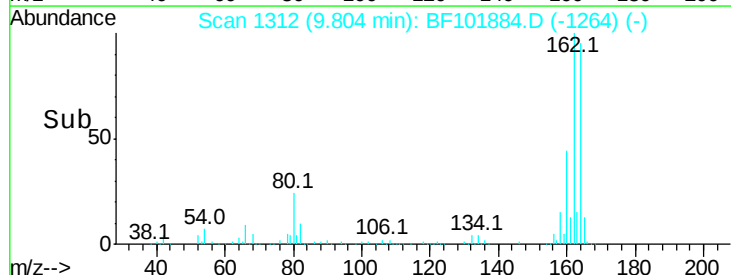
160 45.6 38.3 57.5



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

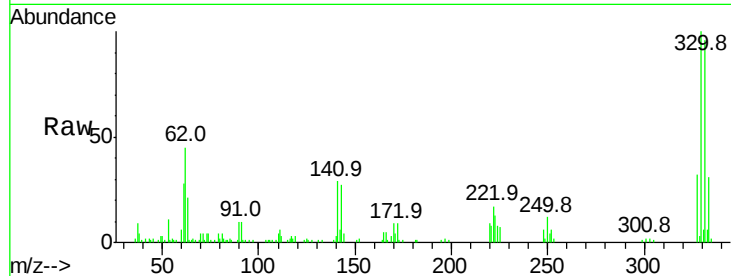




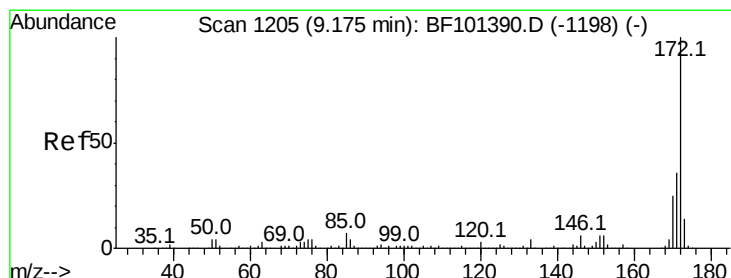
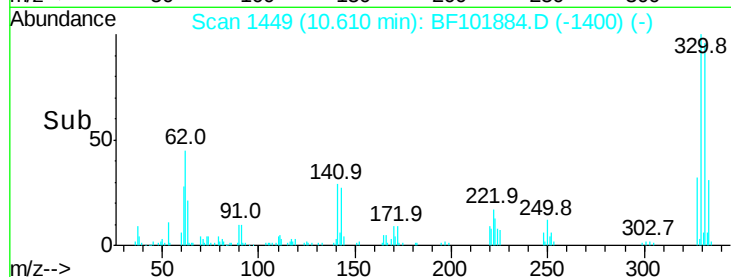
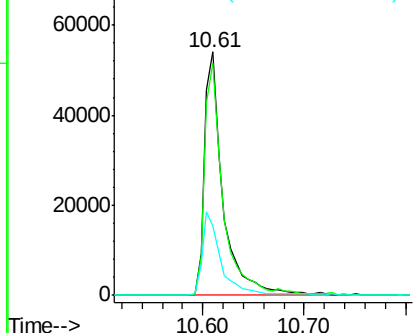
#41
 2,4,6-Tribromophenol
 Concen: 45.598 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF101884.D
 Acq: 4 Jan 2018 3:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 68705
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.0 115.6
 141 34.2 29.9 44.9

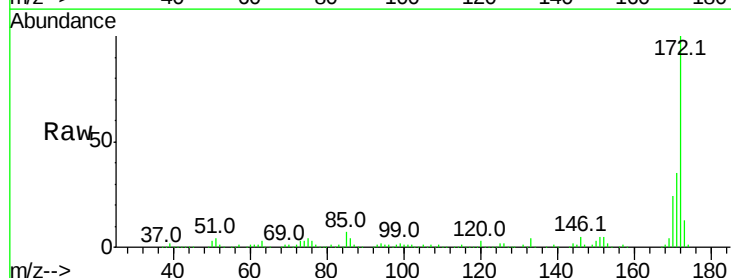


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

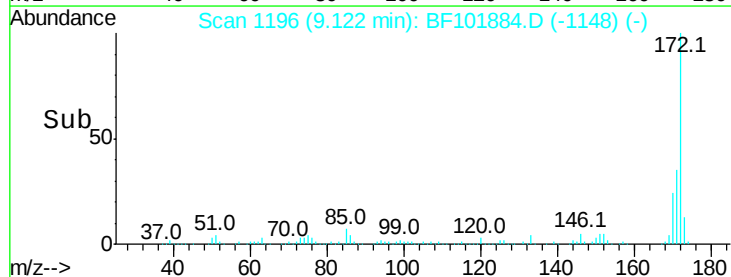
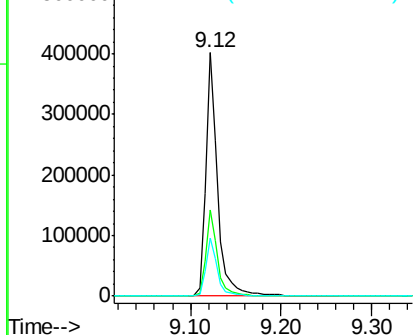


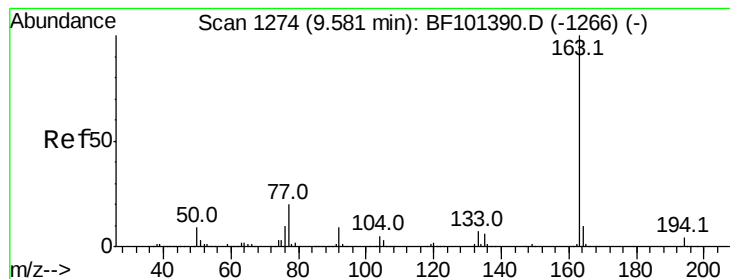
#44
 2-Fluorobiphenyl
 Concen: 36.688 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.02 min
 Lab File: BF101884.D
 Acq: 4 Jan 2018 3:59

Tgt Ion:172 Resp: 369829
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.7 44.5
 170 24.1 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: 2.218 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

Instrument :

BNA_F

ClientSampleId :

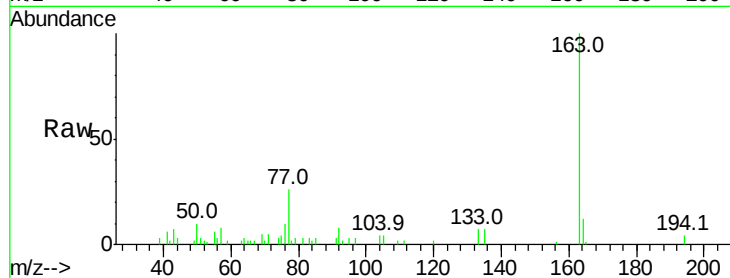
Tot Ion:163 Resp: 27902

Ion Ratio Lower Upper

163 100

194 4.4 2.7 4.1#

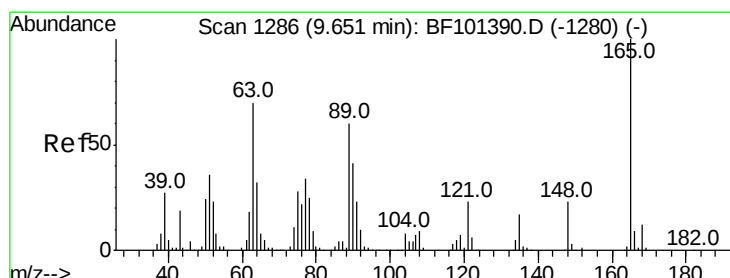
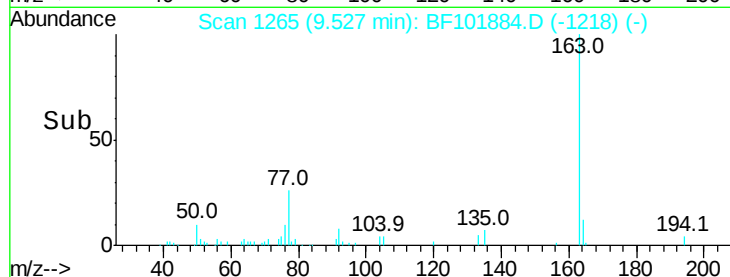
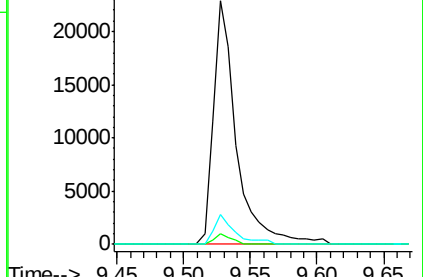
164 12.3 8.2 12.2#



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



#50

2,6-Dinitrotoluene

Concen: 8.102 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.18 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

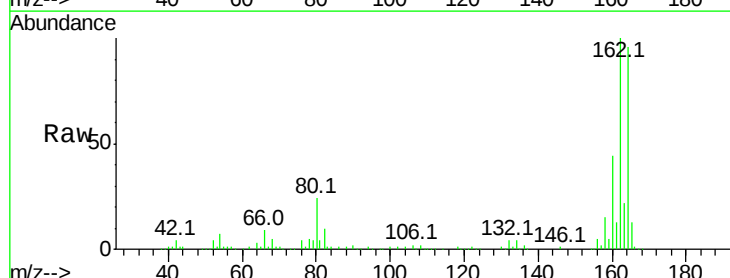
Tgt Ion:165 Resp: 20712

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

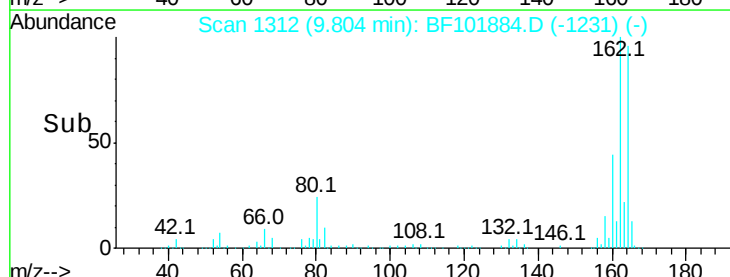
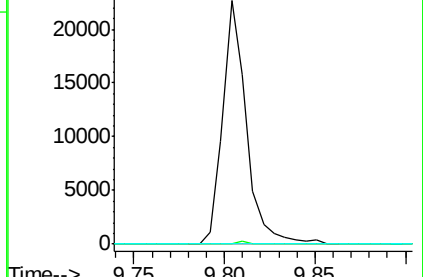
89 0.0 44.0 66.0#

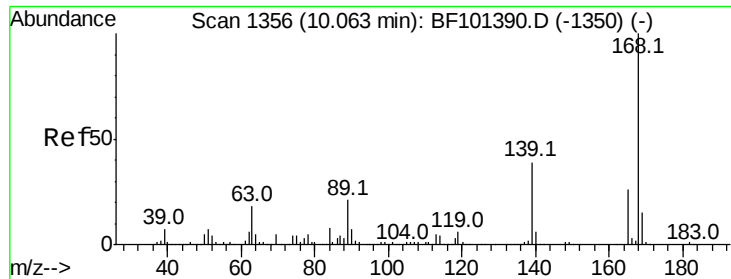


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

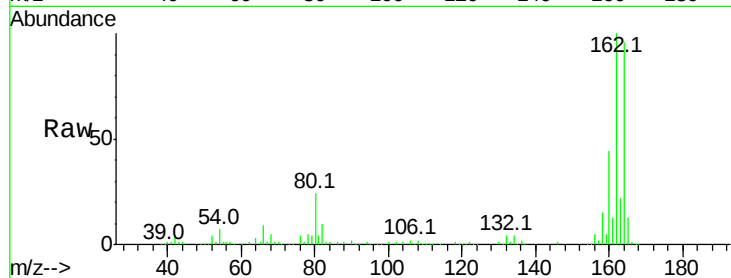




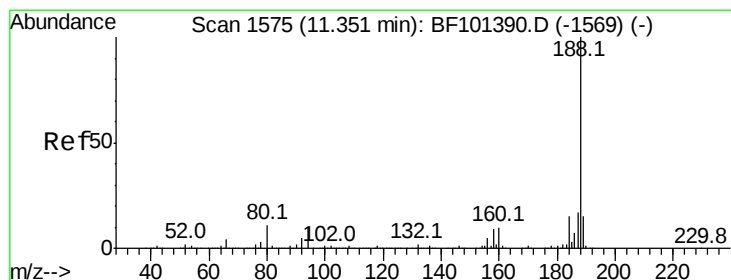
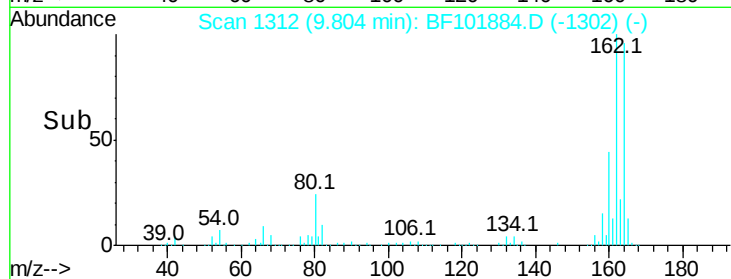
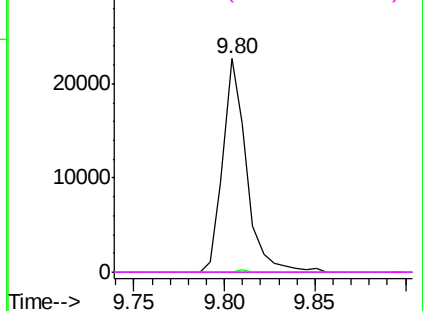
#56
 2,4-Dinitrotoluene
 Concen: 7.191 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.24 min
 Lab File: BF101884.D
 Acq: 4 Jan 2018 3:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 20712
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

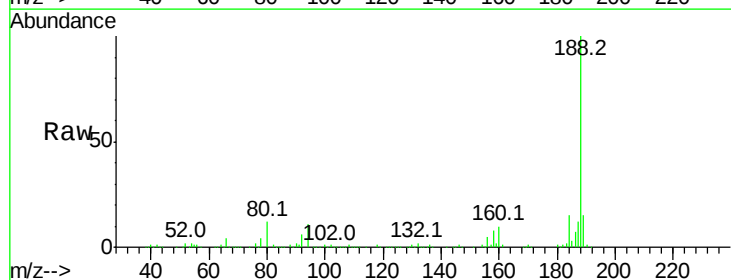


Abundance Ion 165.00 (164.70 to 165.70): E

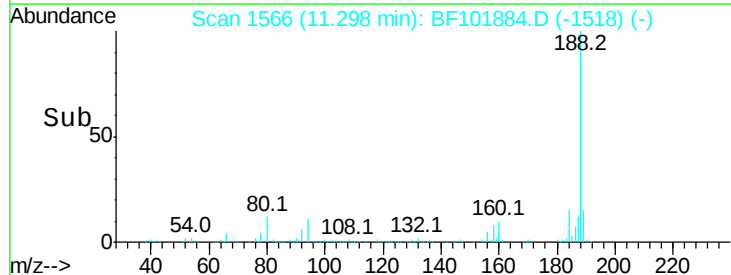
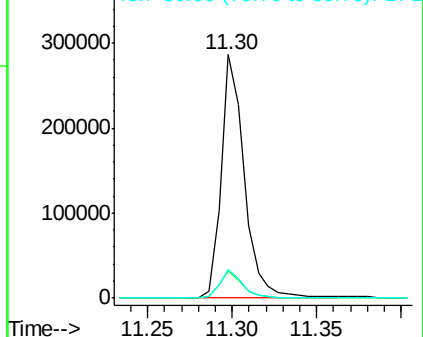


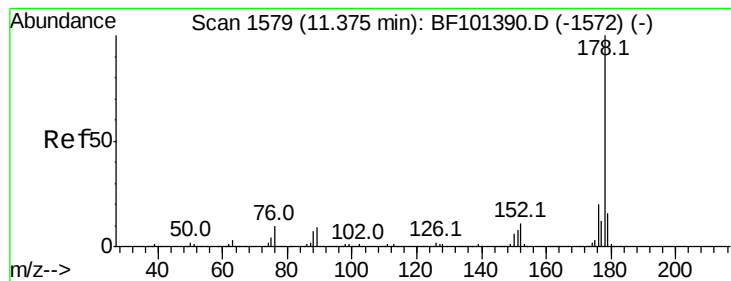
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: BF101884.D
 Acq: 4 Jan 2018 3:59

Tgt Ion:188 Resp: 273686
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 12.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E





#70

Phenanthrene

Concen: 2.072 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

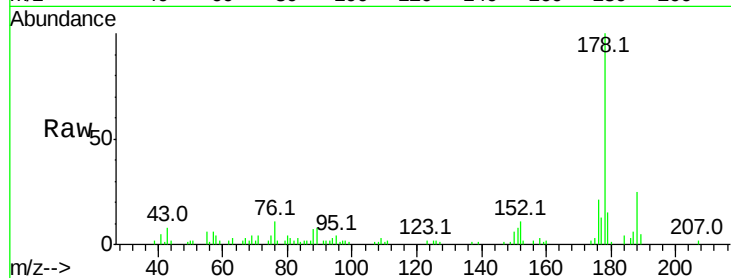
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 31533

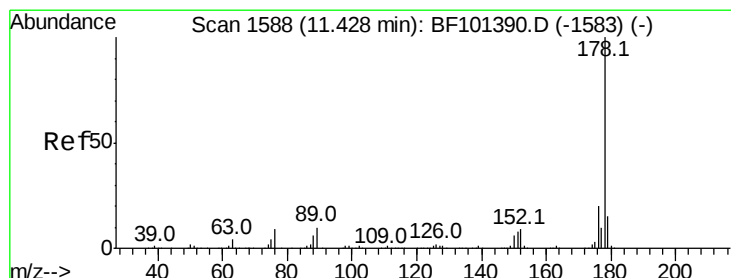
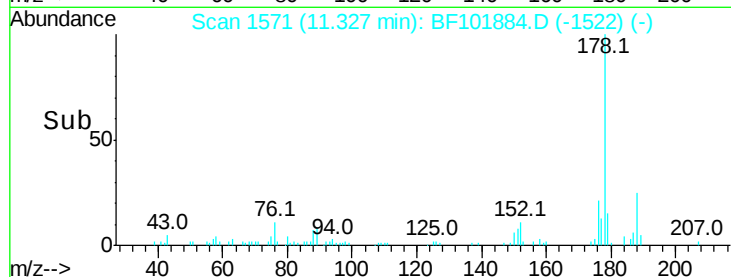
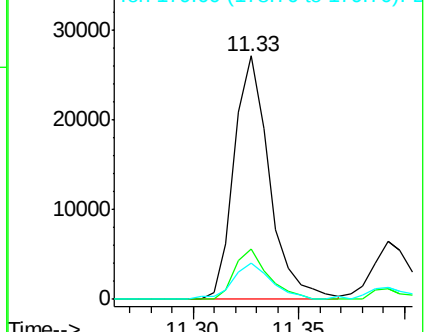
Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.8	23.8
179	15.0	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.028 ng

RT: 11.33 min Scan# 1571

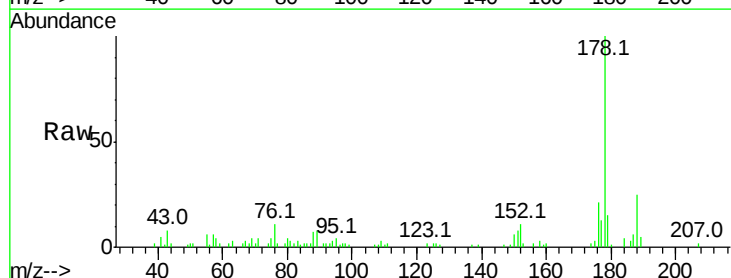
Delta R.T. -0.06 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

Tgt Ion:178 Resp: 31533

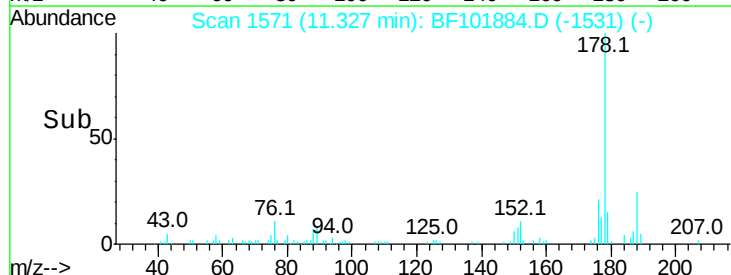
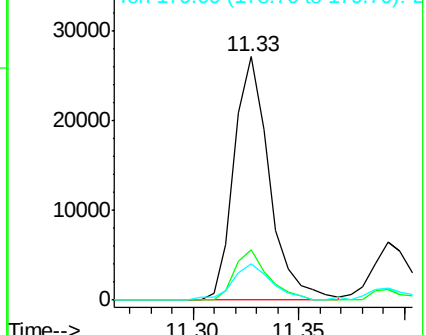
Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.4	23.2
179	15.0	12.6	19.0

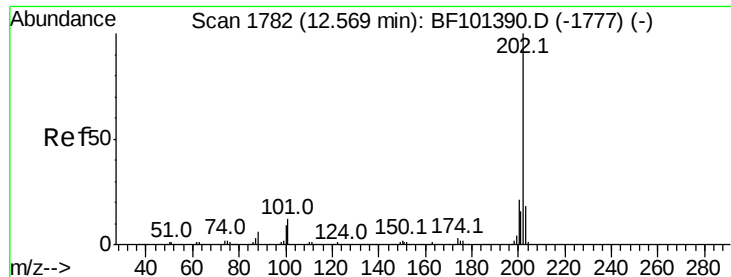


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 3.135 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.01 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

Instrument :

BNA_F

ClientSampleId :

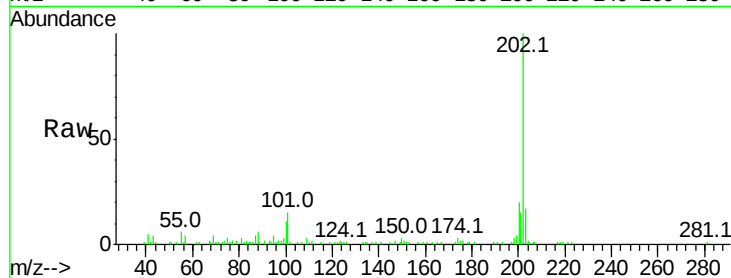
Tot Ion:202 Resp: 50088

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

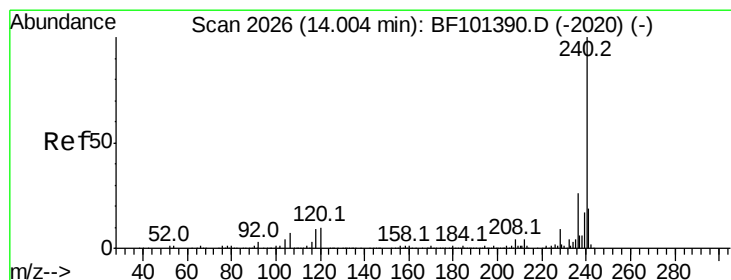
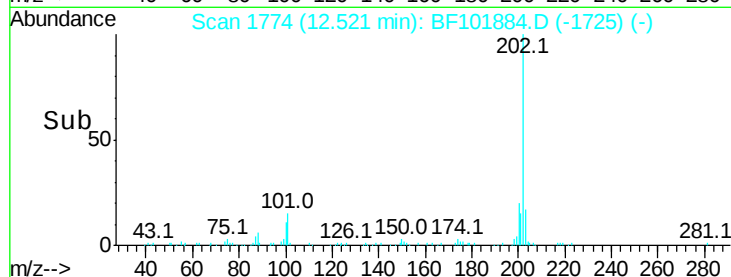
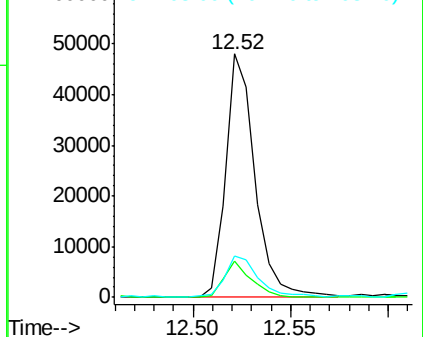
203 17.0 0.0 38.1



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: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

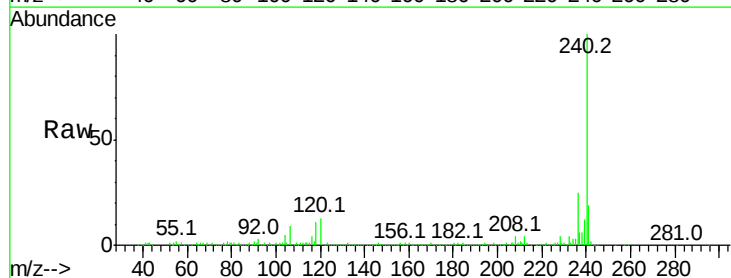
Tgt Ion:240 Resp: 270933

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

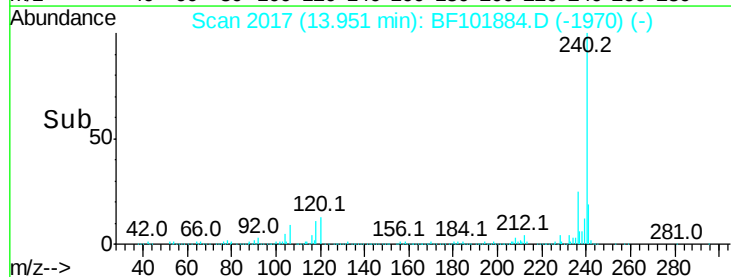
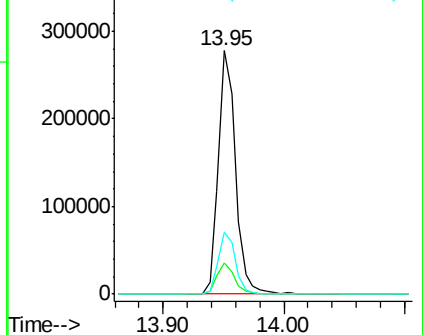
236 25.2 20.7 31.1

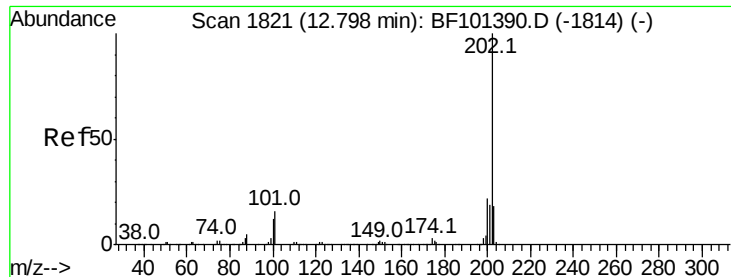


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.247 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

Instrument :

BNA_F

ClientSampled :

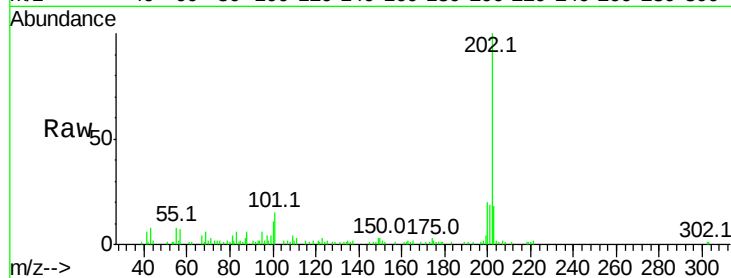
Tot Ion:202 Resp: 45693

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

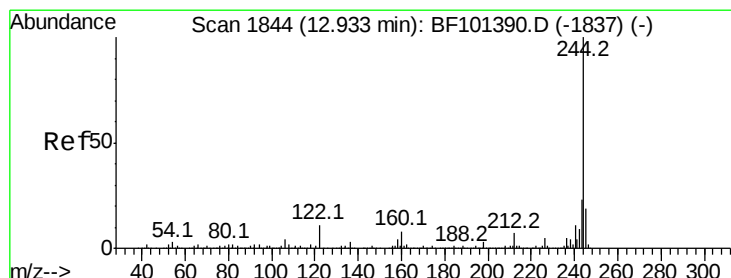
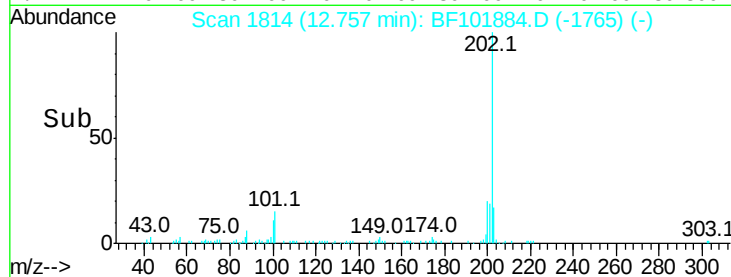
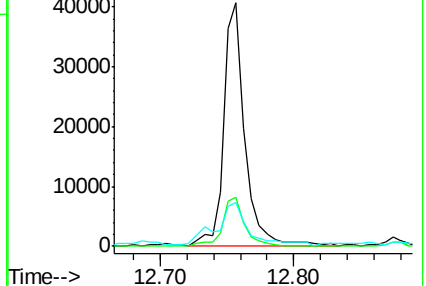
203 18.2 14.3 21.5



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: 27.798 ng

RT: 12.87 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

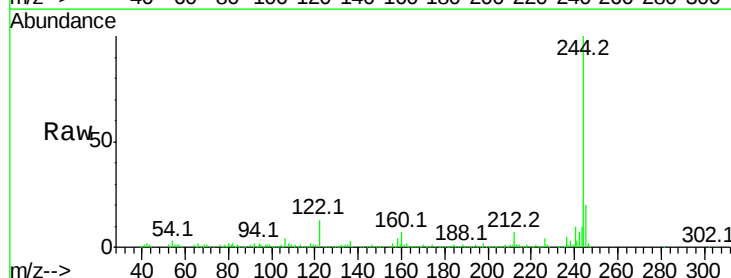
Tgt Ion:244 Resp: 312410

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

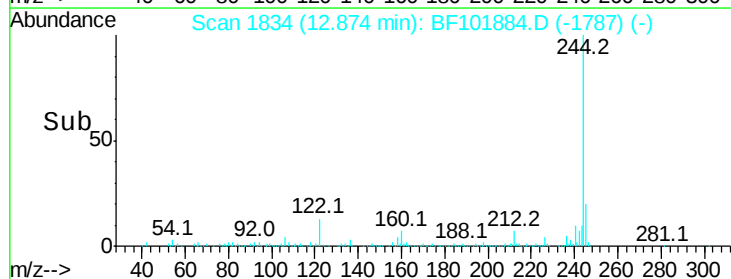
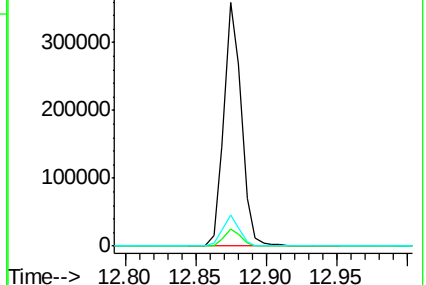
122 12.9 11.0 16.4

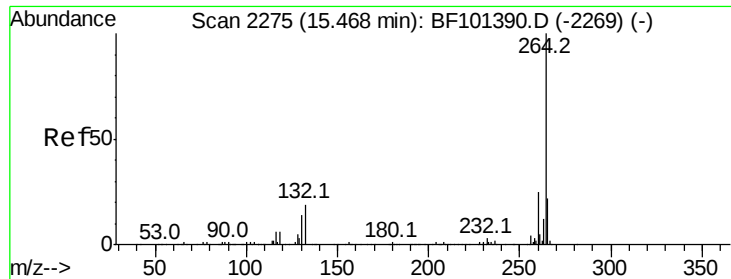


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

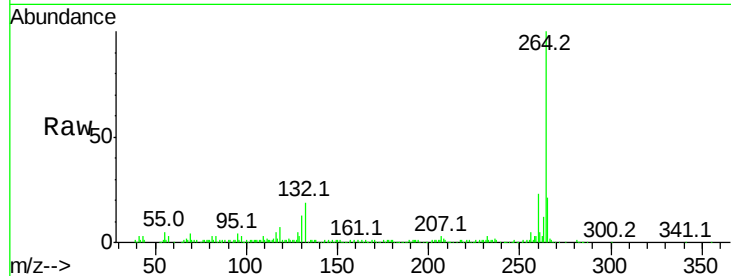




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF101884.D
Acq: 4 Jan 2018 3:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.3	17.5	26.3

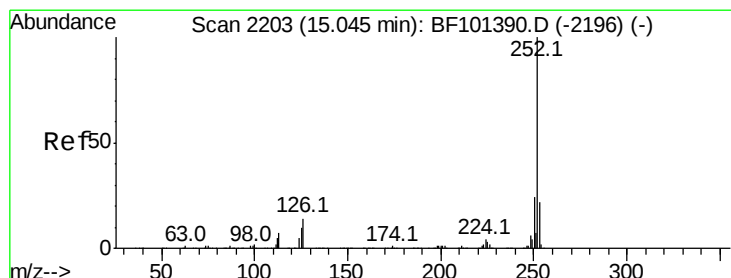
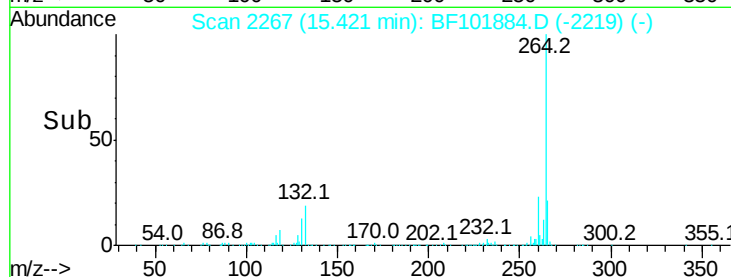
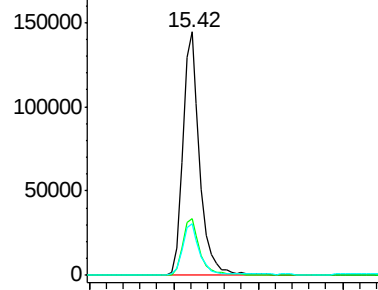


Abundance

Ion 264.00 (263.70 to 264.70): E

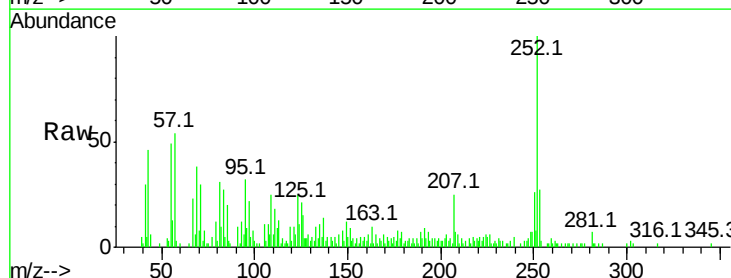
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 2.848 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF101884.D
Acq: 4 Jan 2018 3:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.0	25.6#
125	21.0	9.0	13.6#

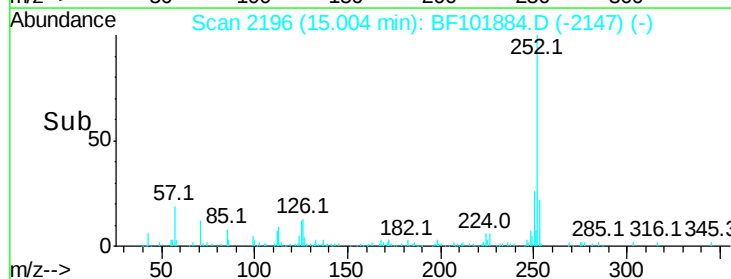
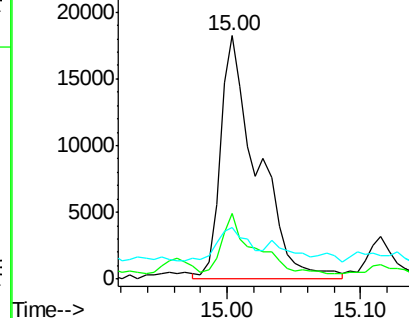


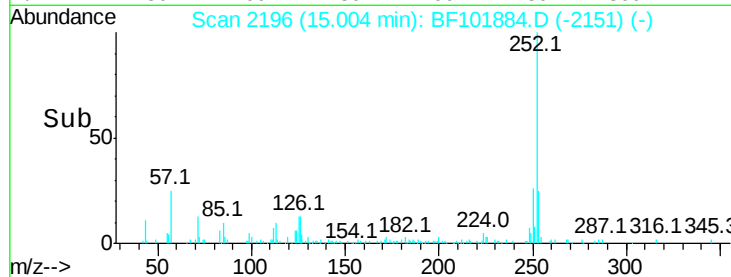
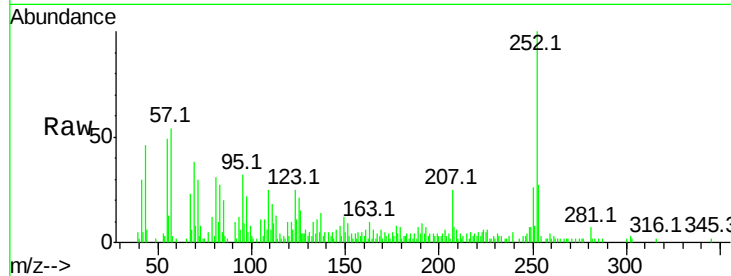
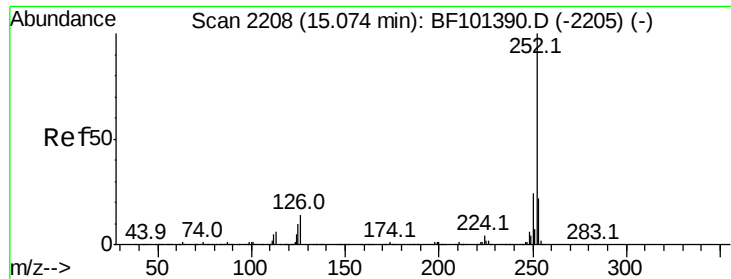
Abundance

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: 2.929 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF101884.D

Acq: 4 Jan 2018 3:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 35178

Ion Ratio Lower Upper

252 100

253 27.0 17.9 26.9#

125 21.0 10.2 15.2#

