

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096351.D
 Acq On : 30 Jun 2017 22:11
 Operator : SJ/MA
 Sample : I3908-05 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 30 23:17:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

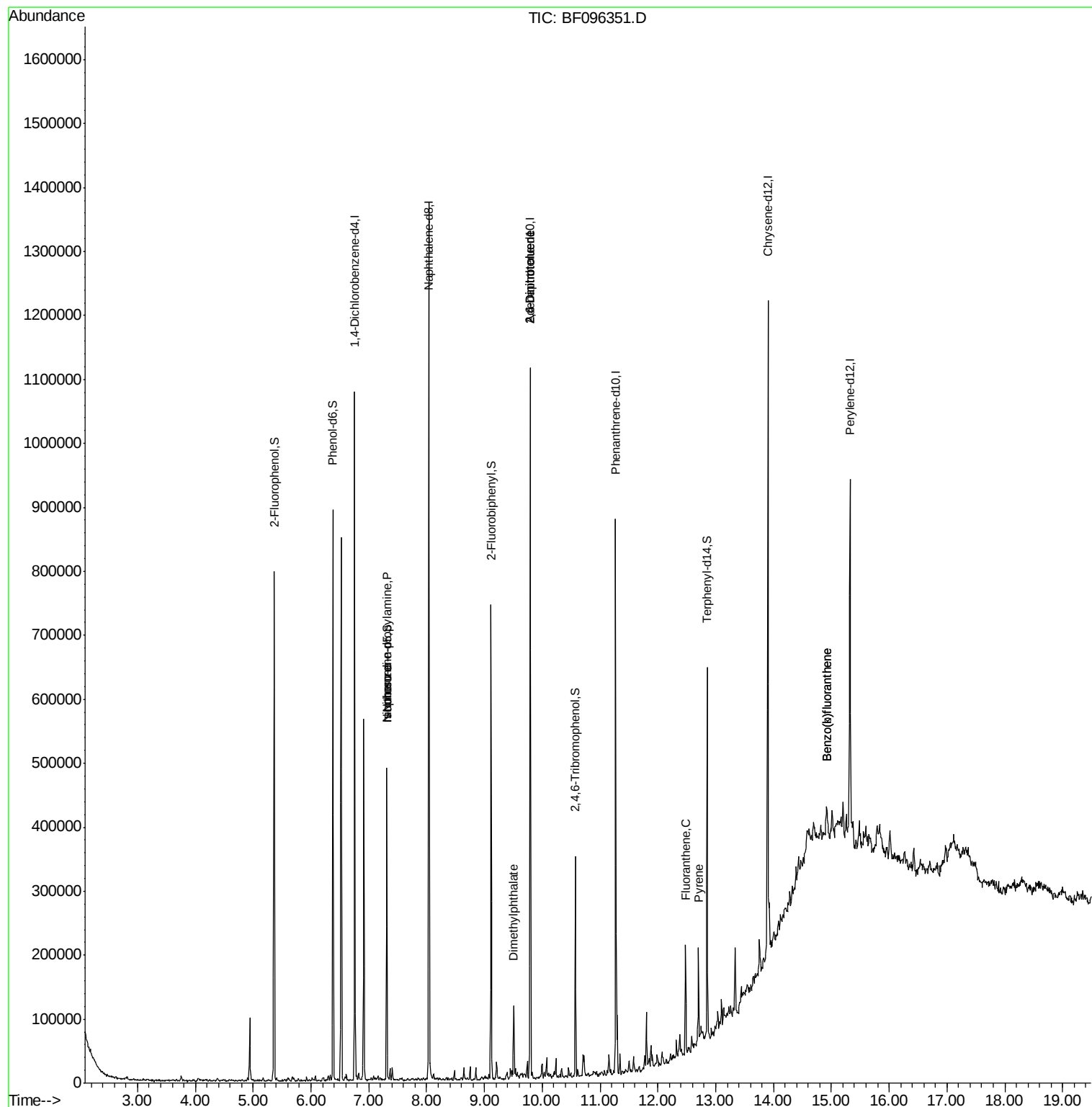
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	146881	20.00	ng	-0.02
21) Naphthalene-d8	8.04	136	570206	20.00	ng	-0.02
38) Acenaphthene-d10	9.79	164	207900	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	309487	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	340817	20.00	ng	-0.01
86) Perylene-d12	15.32	264	242045	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	201412	19.76	ng	-0.02
7) Phenol-d6	6.38	99	243401	19.72	ng	-0.01
23) Nitrobenzene-d5	7.31	82	125571	15.24	ng	-0.05
41) 2,4,6-Tribromophenol	10.57	330	37453	22.89	ng	-0.02
44) 2-Fluorobiphenyl	9.12	172	210761	18.57	ng	-0.03
78) Terphenyl-d14	12.85	244	157055	11.50	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.30	77	591	Below Cal	#	73
19) n-Nitroso-di-n-propylamine	7.31	70	15854	2.14 ng	#	88
25) Isophorone	7.31	82	125455	6.71 ng	#	67
49) Dimethylphthalate	9.51	163	45968	3.09 ng		99
50) 2,6-Dinitrotoluene	9.79	165	26571	8.59 ng	#	34
56) 2,4-Dinitrotoluene	9.79	165	26571	6.81 ng	#	33
57) Fluorene	10.34	166	2445	Below Cal	#	95
70) Phenanthrene	11.29	178	38227	Below Cal		98
74) Fluoranthene	12.48	202	58126	3.38 ng		97
77) Pyrene	12.70	202	56792	2.03 ng		98
87) Benzo(b)fluoranthene	14.92	252	38585	2.43 ng	#	80
88) Benzo(k)fluoranthene	14.92	252	38585	2.66 ng	#	84

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

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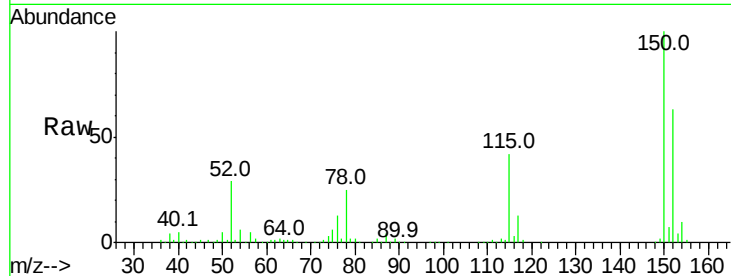


#1

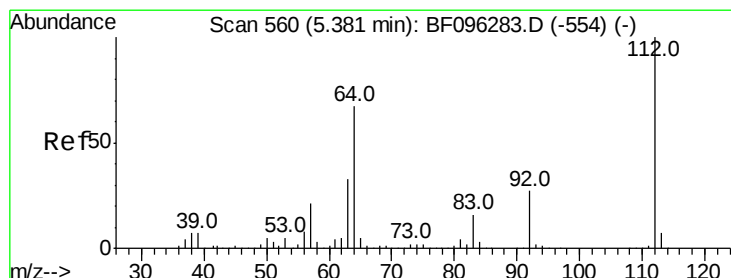
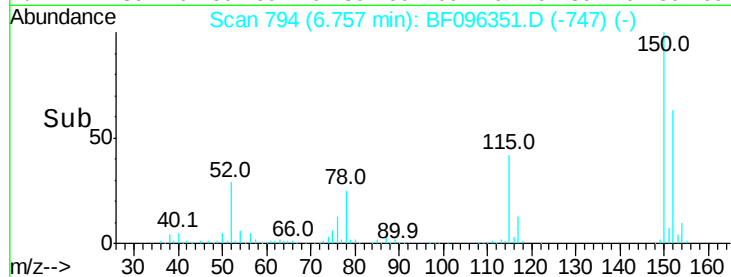
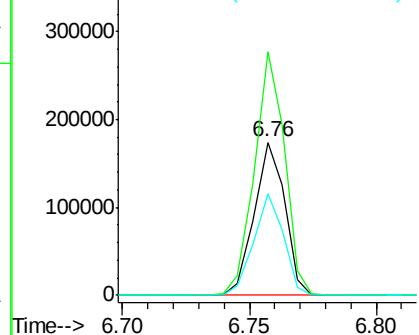
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 146881
Ion Ratio Lower Upper
152 100
150 159.2 126.2 189.2
115 66.6 52.2 78.2



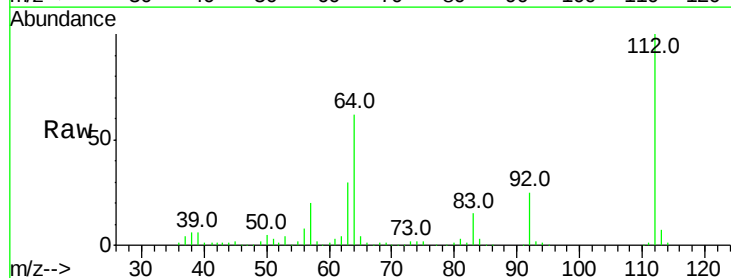
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



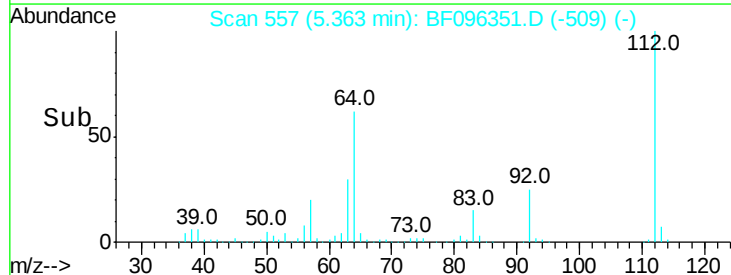
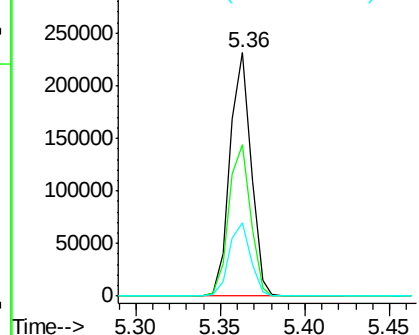
#5

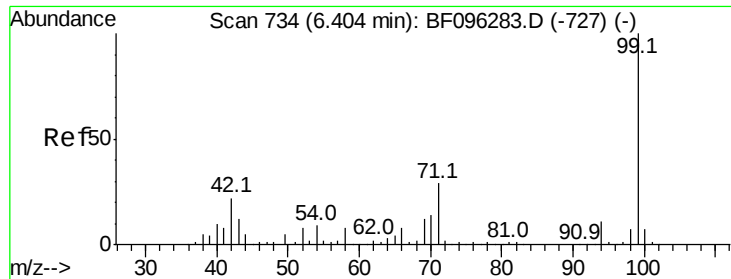
2-Fluorophenol
Concen: 19.76 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.02 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Tgt Ion:112 Resp: 201412
Ion Ratio Lower Upper
112 100
64 62.0 46.0 69.0
63 30.1 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: 19.72 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

Instrument :

BNA_F

ClientSampleId :

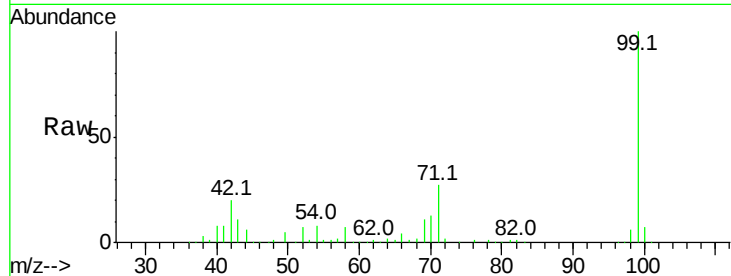
Tot Ion: 99 Resp: 243401

Ion Ratio Lower Upper

99 100

42 20.0 13.5 20.3

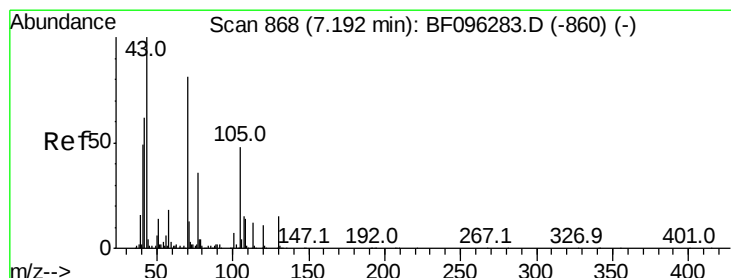
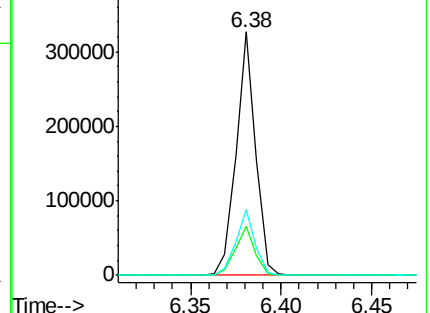
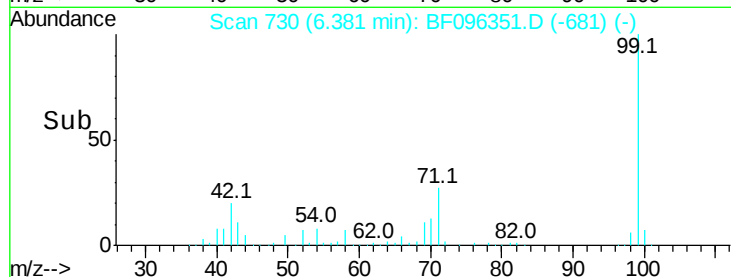
71 27.2 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 2.14 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

Tgt Ion: 70 Resp: 15854

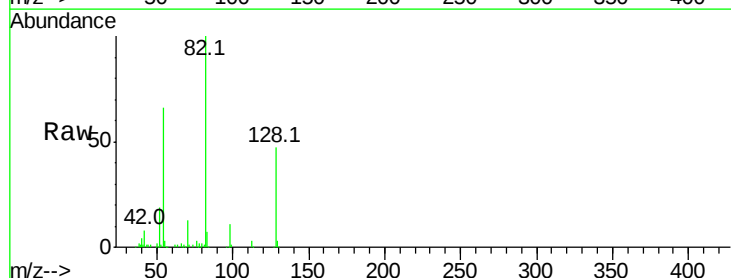
Ion Ratio Lower Upper

70 100

42 58.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

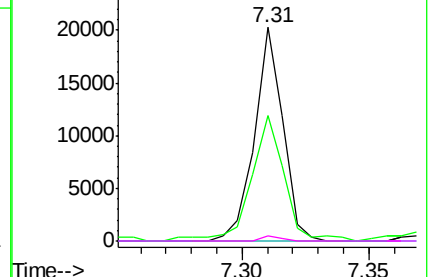
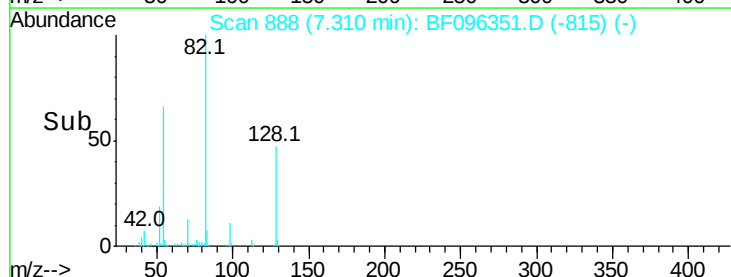


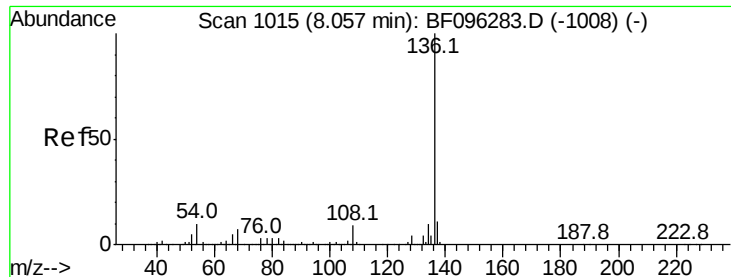
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

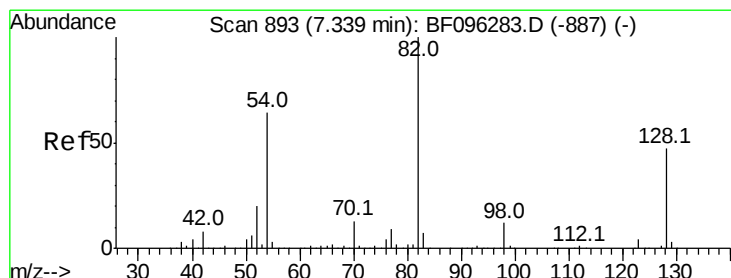
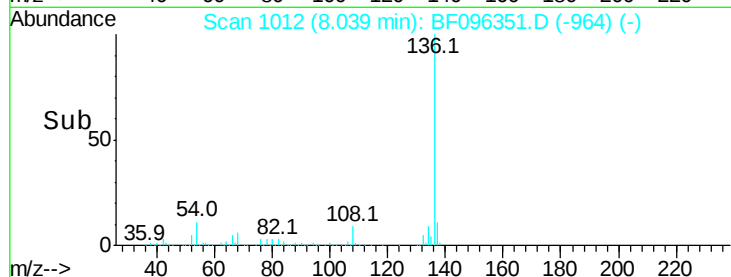
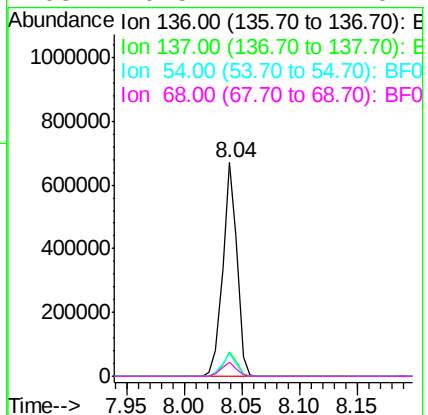
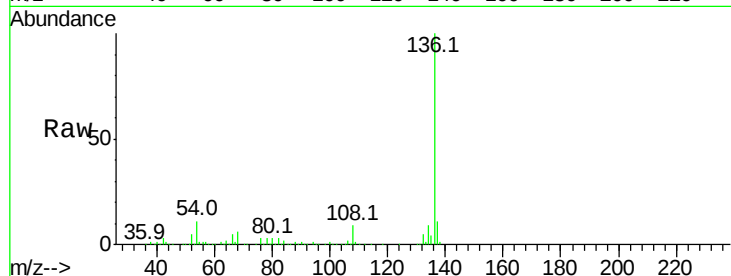




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

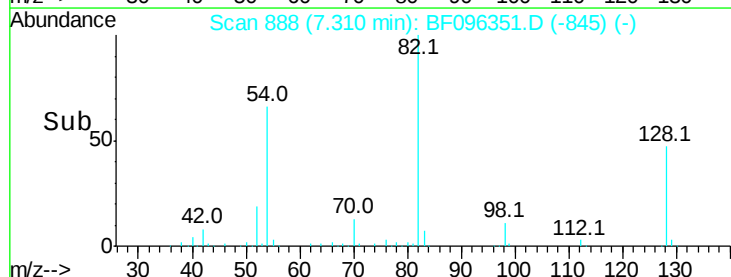
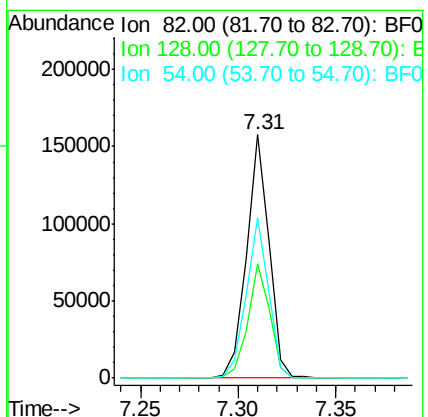
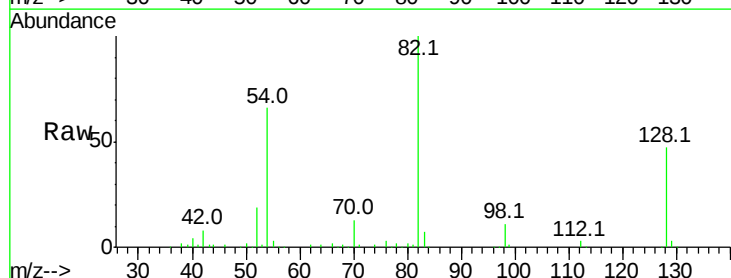
Instrument :
BNA_F
ClientSampled :

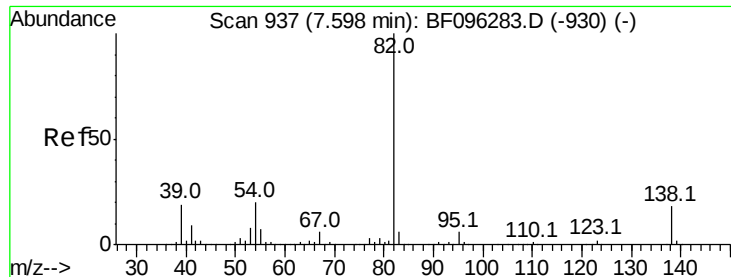
Tot Ion:136	Resp:	570206
Ion Ratio	Lower	Upper
136 100		
137 11.1	8.5	12.7
54 11.1	4.9	7.3#
68 6.5	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 15.24 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.05 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Tgt Ion: 82	Resp:	125571
Ion Ratio	Lower	Upper
82 100		
128 47.0	34.0	51.0
54 65.7	42.2	63.2#





#25

Isophorone

Concen: 6.71 ng

RT: 7.31 min Scan# 888

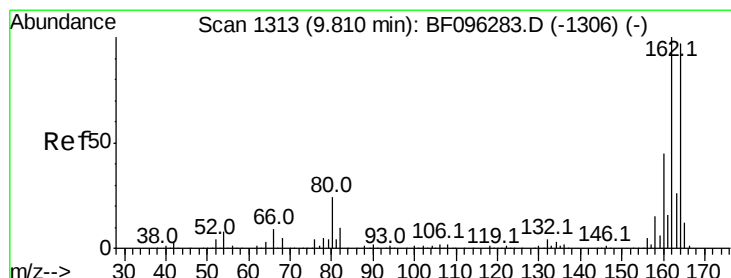
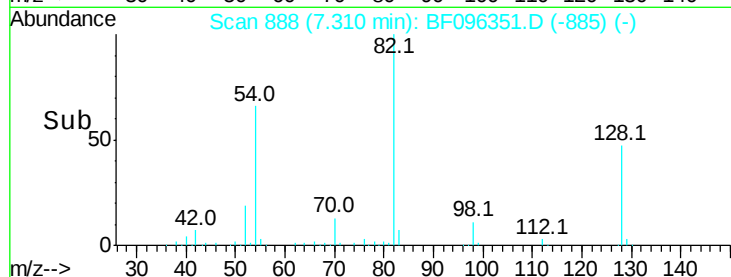
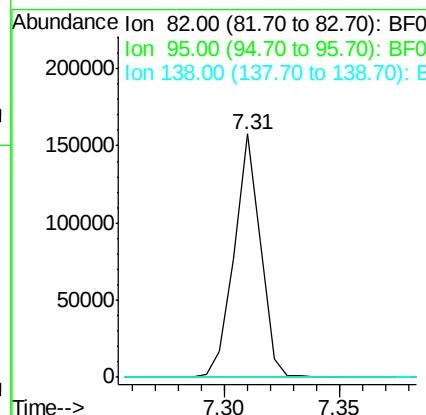
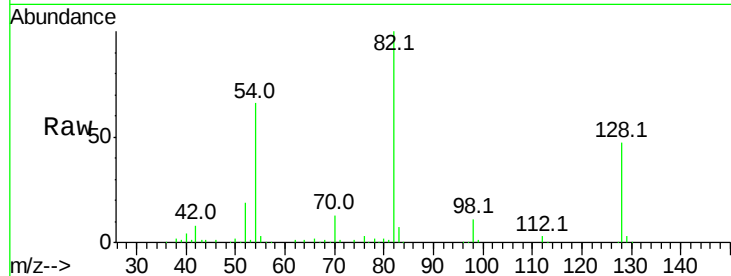
Delta R.T. -0.28 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	82	Resp:	125455
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



#38

Acenaphthene-d10

Concen: 20.00 ng

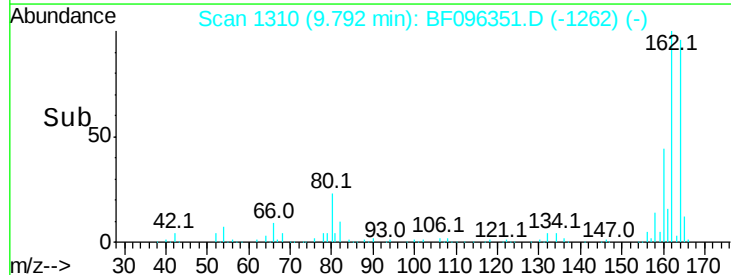
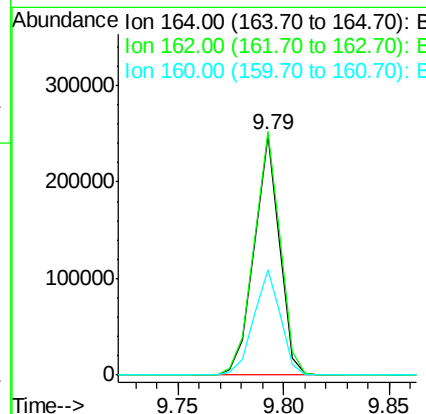
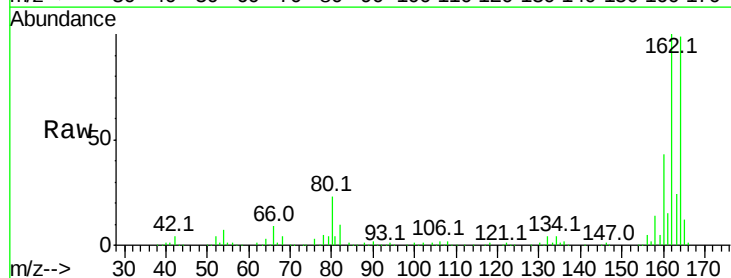
RT: 9.79 min Scan# 1310

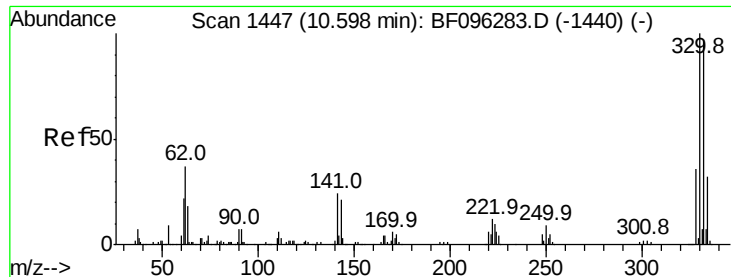
Delta R.T. -0.02 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

Tgt Ion:	164	Resp:	207900
Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.6	123.8
160	44.1	36.2	54.2

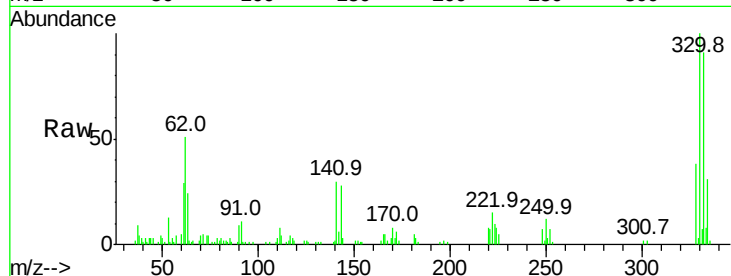




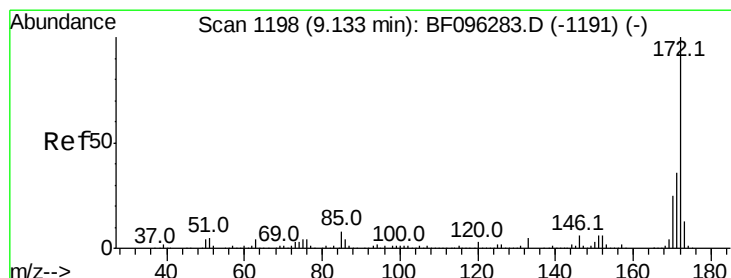
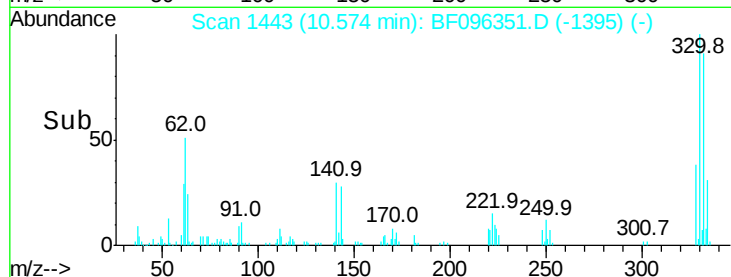
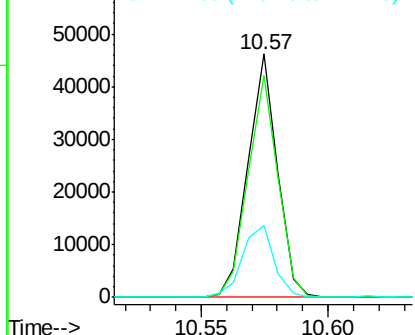
#41
 2,4,6-Tribromophenol
 Concen: 22.89 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.02 min
 Lab File: BF096351.D
 Acq: 30 Jun 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 37453
 Ion Ratio Lower Upper
 330 100
 332 92.9 76.6 115.0
 141 31.9 31.4 47.2

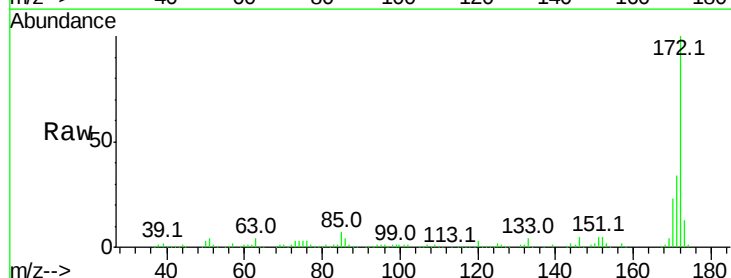


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

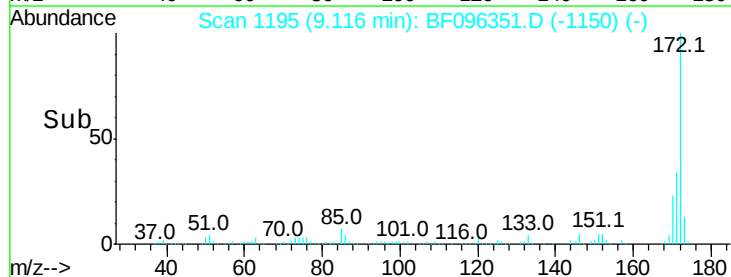
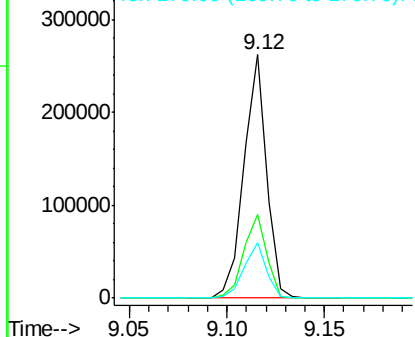


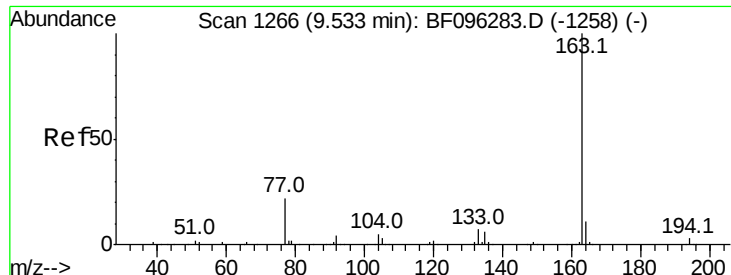
#44
 2-Fluorobiphenyl
 Concen: 18.57 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF096351.D
 Acq: 30 Jun 2017 22:11

Tgt Ion:172 Resp: 210761
 Ion Ratio Lower Upper
 172 100
 171 34.2 29.6 44.4
 170 22.7 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

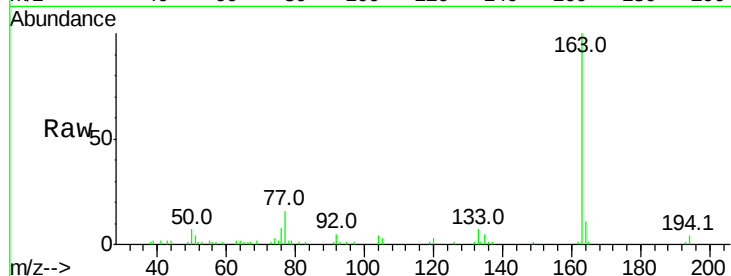




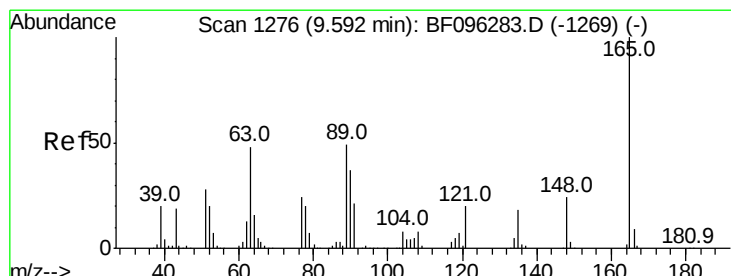
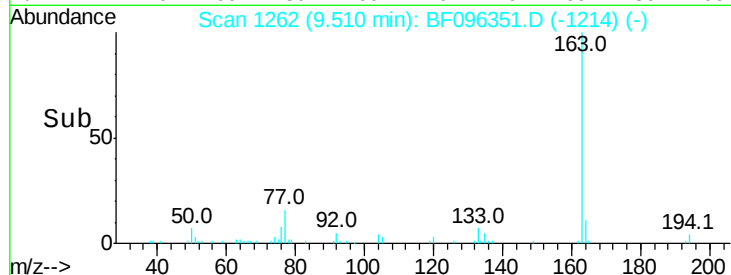
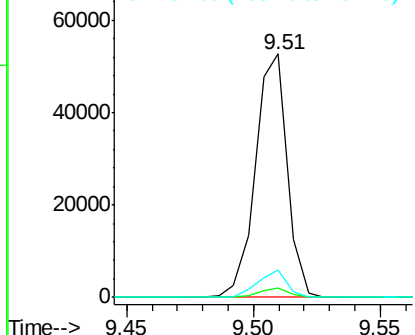
#49
Dimethylphthalate
Concen: 3.09 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 45968
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 11.0 8.4 12.6

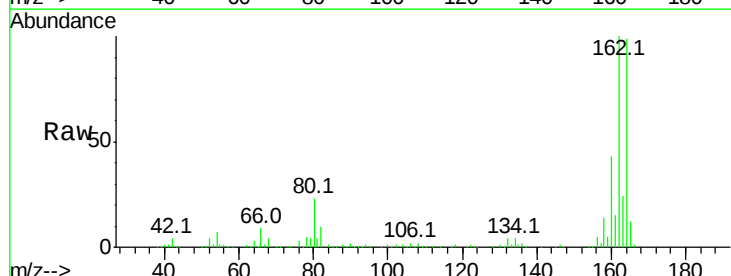


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

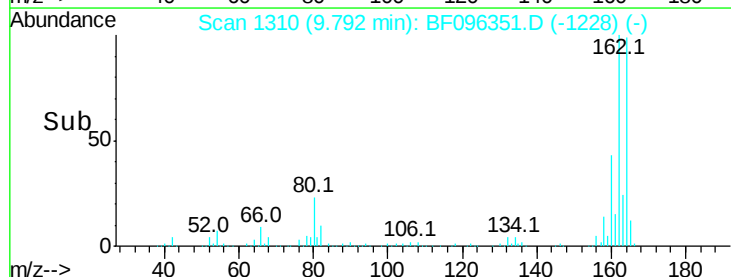
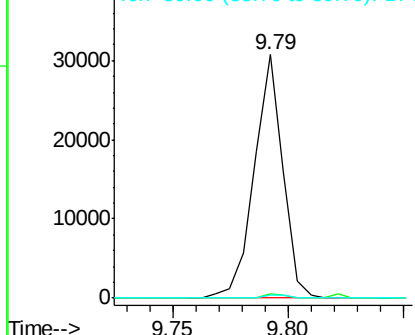


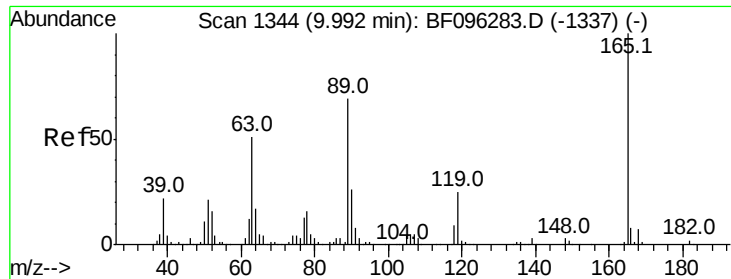
#50
2,6-Dinitrotoluene
Concen: 8.59 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.18 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Tgt Ion:165 Resp: 26571
Ion Ratio Lower Upper
165 100
63 1.9 34.3 51.5#
89 1.4 37.1 55.7#



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

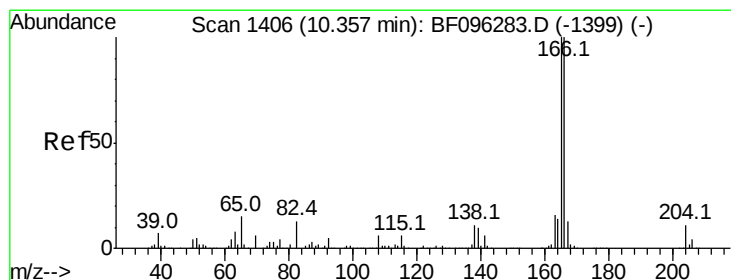
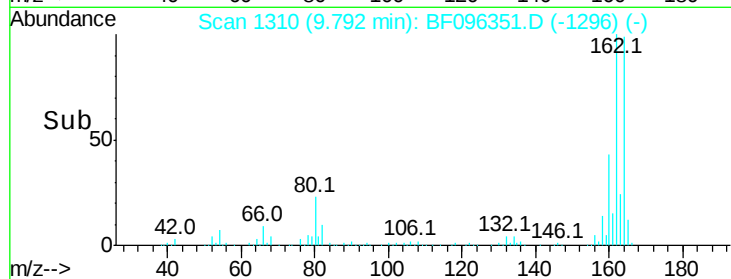
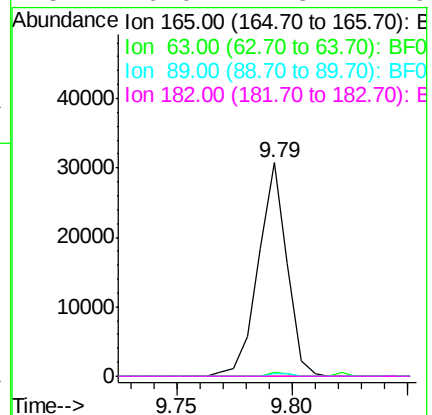
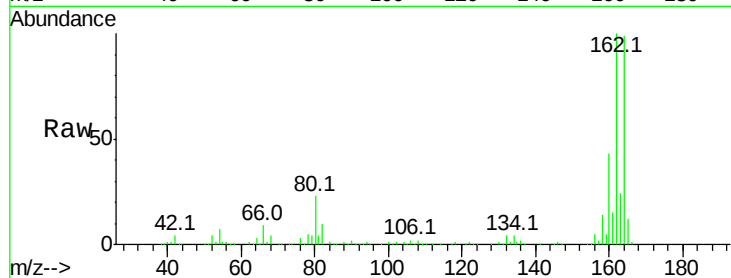




#56
2,4-Dinitrotoluene
Concen: 6.81 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.22 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

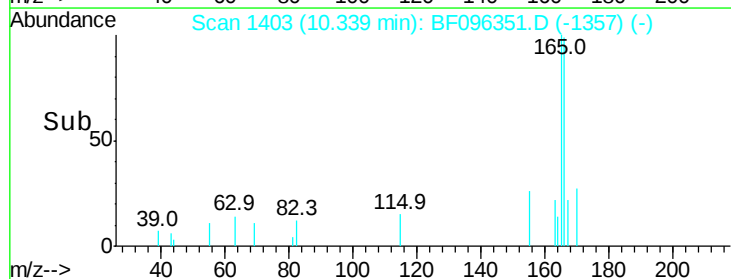
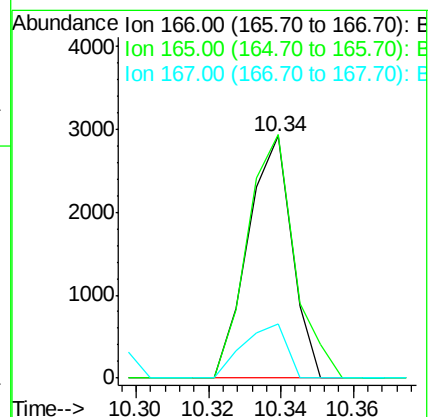
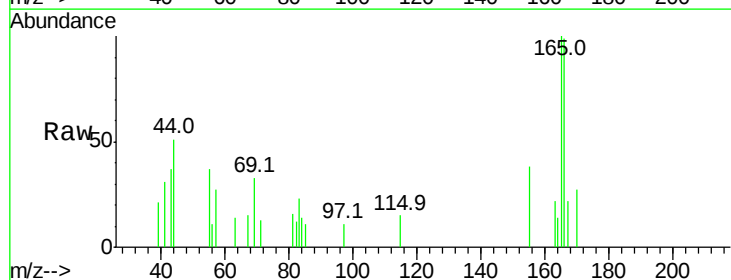
Instrument :
BNA_F
ClientSampleId :

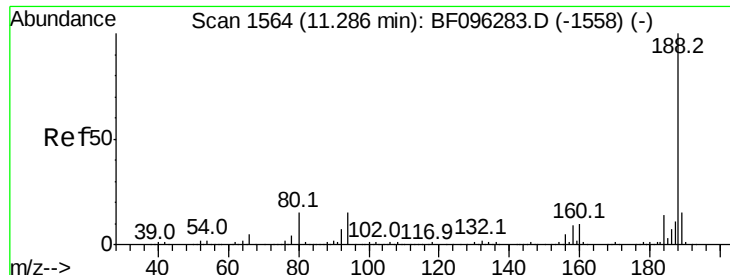
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



#57
Fluorene
Concen: Below Cal
RT: 10.34 min Scan# 1403
Delta R.T. -0.03 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.8	118.2
167	22.6	10.6	16.0#

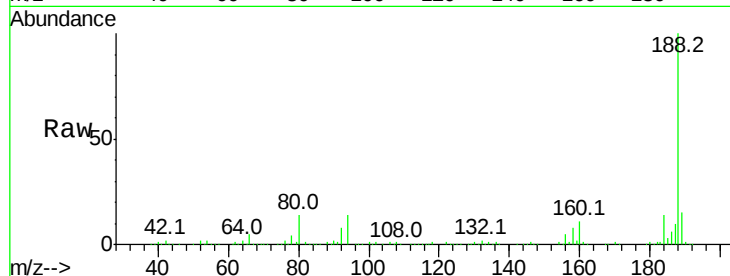




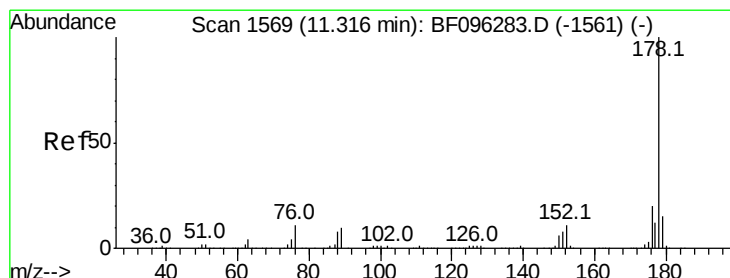
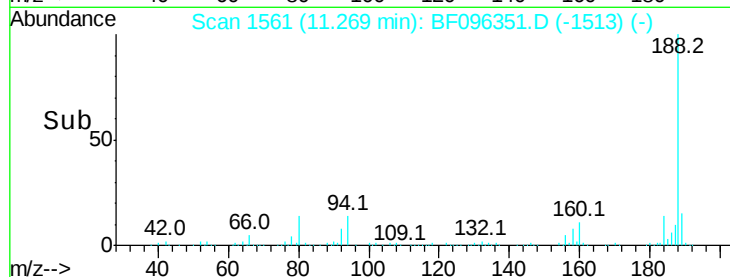
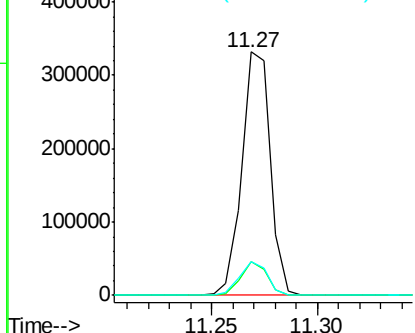
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 309487
Ion Ratio Lower Upper
188 100
94 14.0 9.4 14.2
80 14.0 10.2 15.2

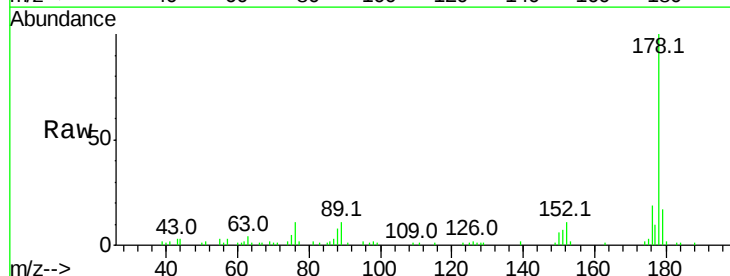


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

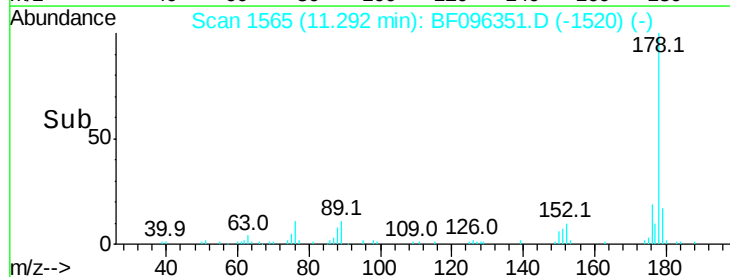
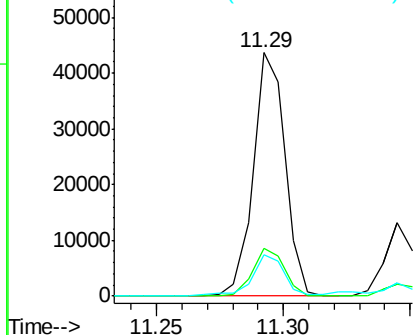


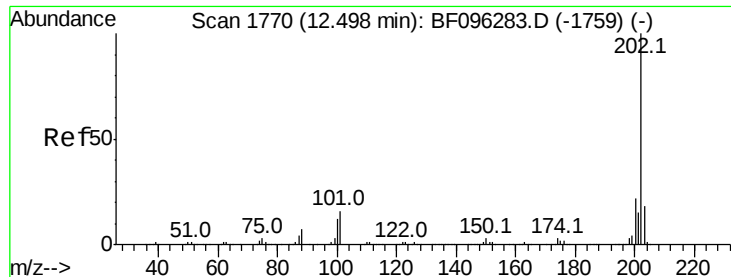
#70
Phenanthrene
Concen: Below Cal
RT: 11.29 min Scan# 1565
Delta R.T. -0.03 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Tgt Ion:178 Resp: 38227
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 16.9 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: 3.38 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

Instrument :

BNA_F

ClientSampleId :

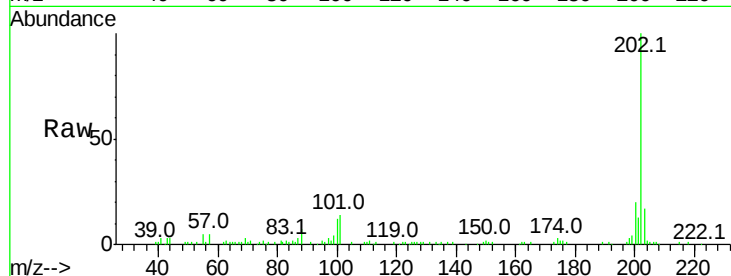
Tot Ion:202 Resp: 58126

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

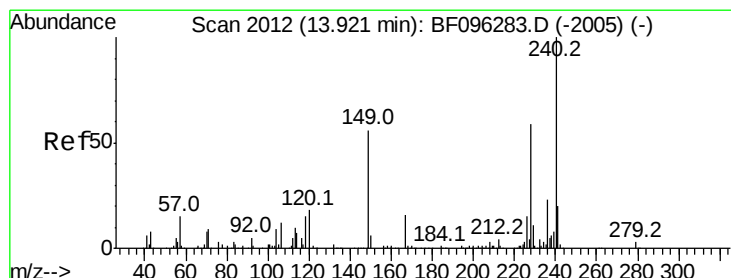
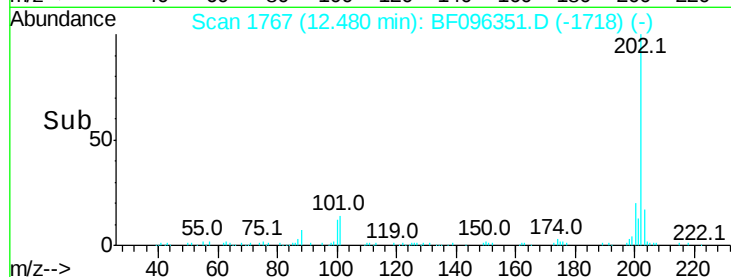
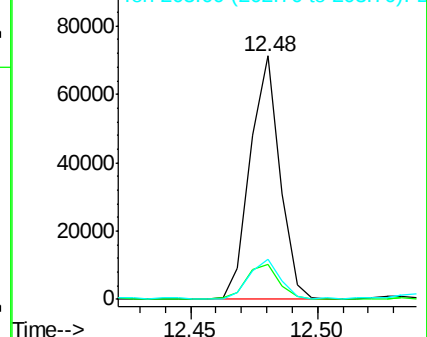
203 16.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

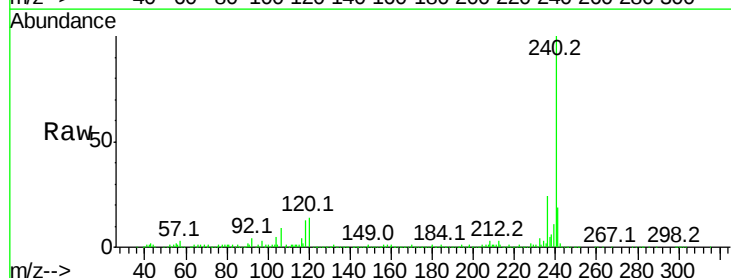
Tgt Ion:240 Resp: 340817

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

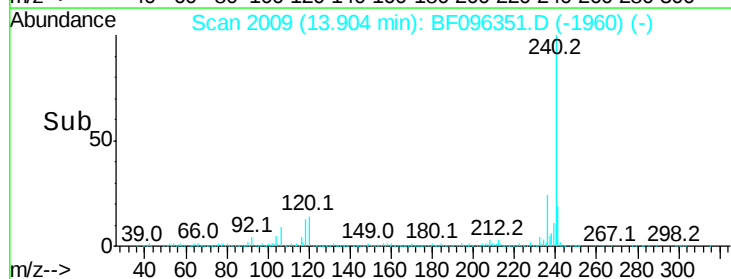
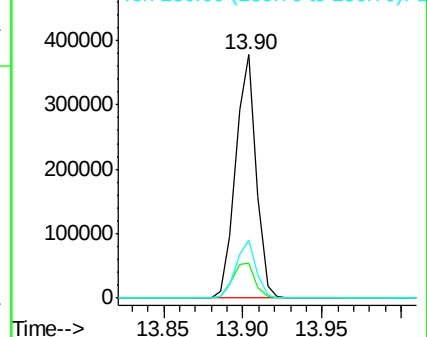
236 23.9 20.5 30.7

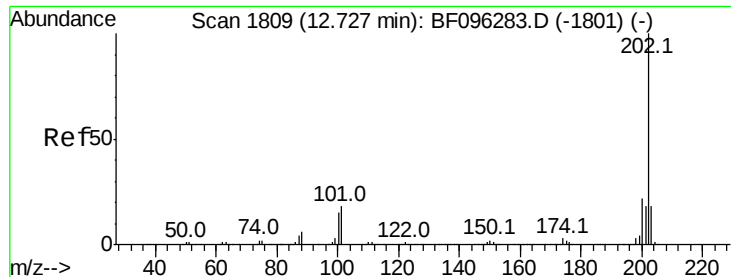


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.03 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.02 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

Instrument :

BNA_F

ClientSampleId :

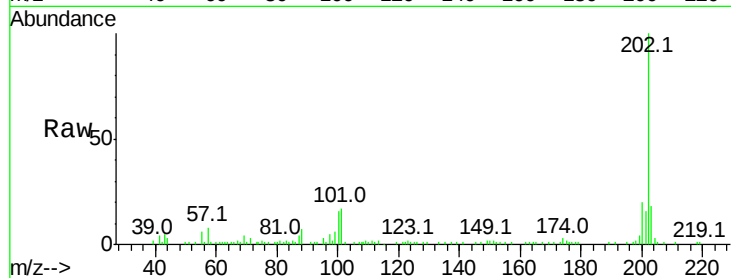
Tot Ion:202 Resp: 56792

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

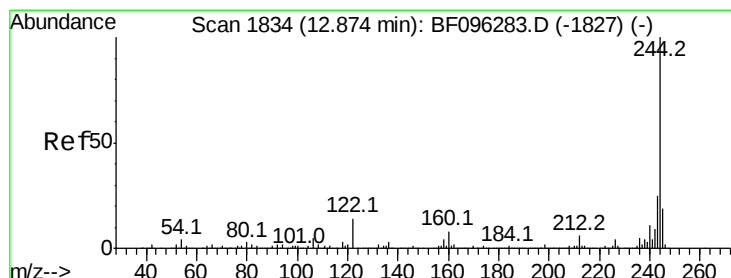
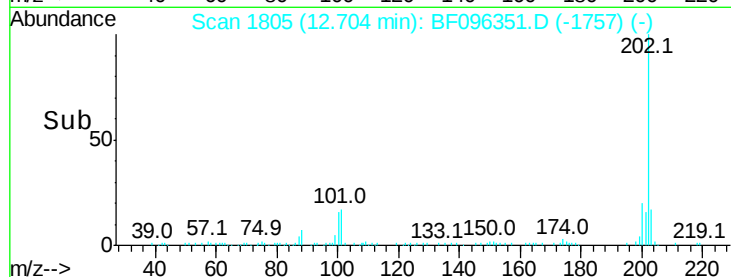
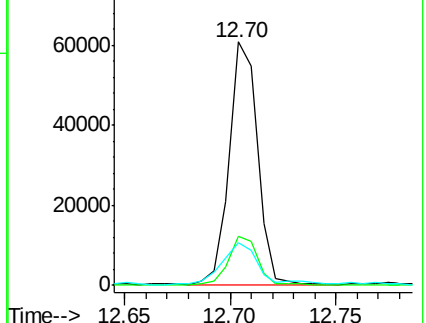
203 17.7 14.4 21.6



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: 11.50 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.02 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

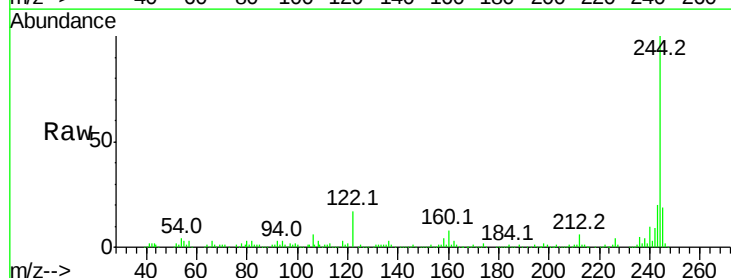
Tgt Ion:244 Resp: 157055

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

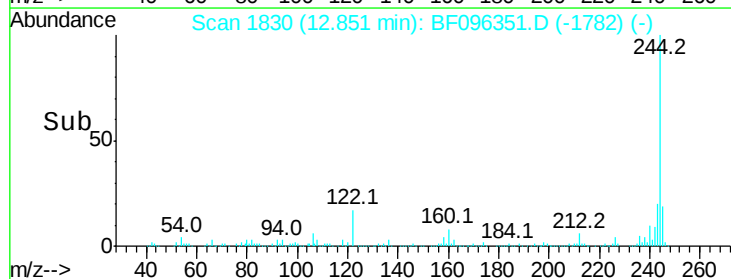
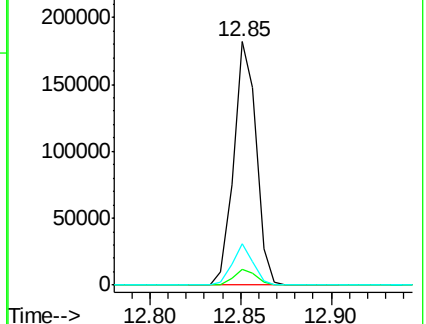
122 17.1 10.3 15.5#

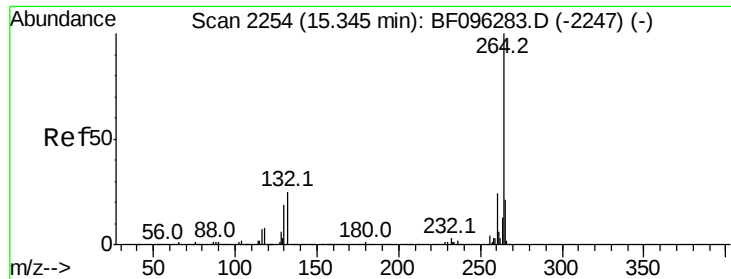


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

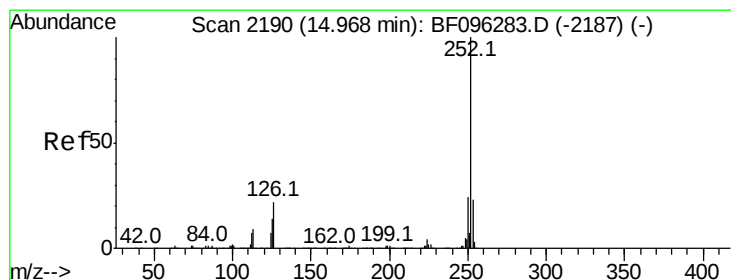
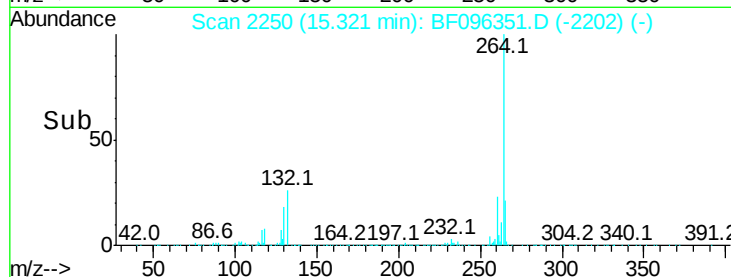
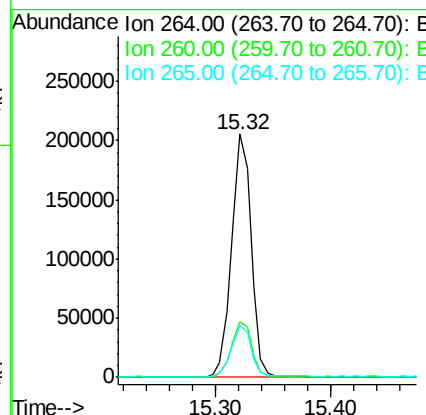
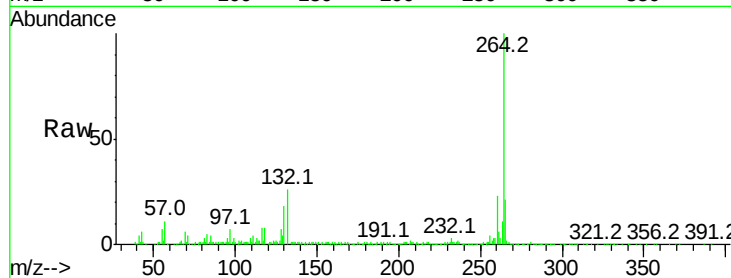




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.02 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

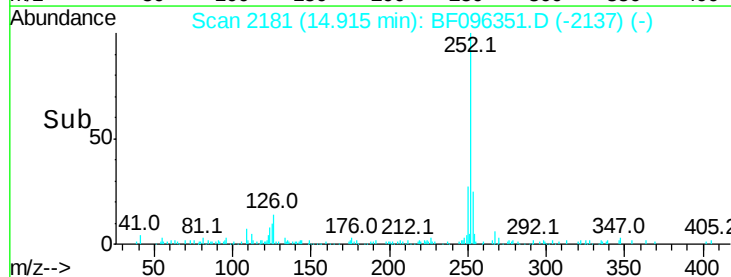
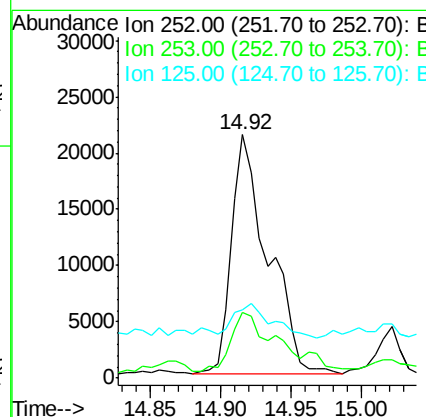
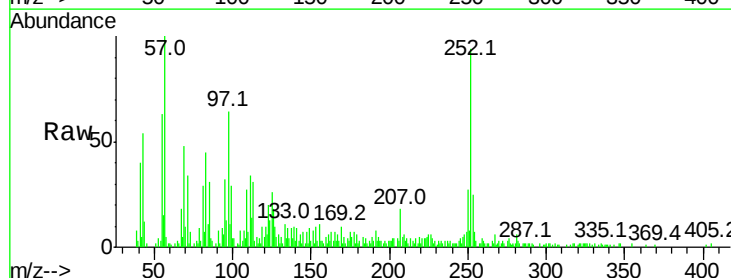
Instrument :
BNA_F
ClientSampled :

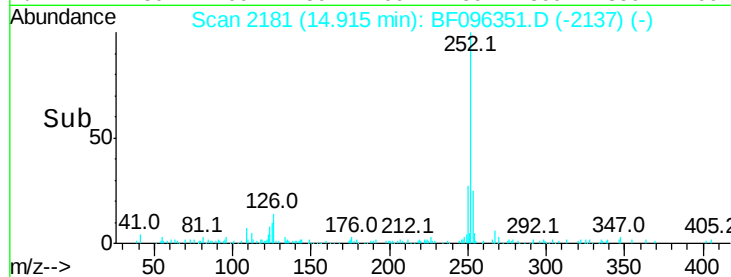
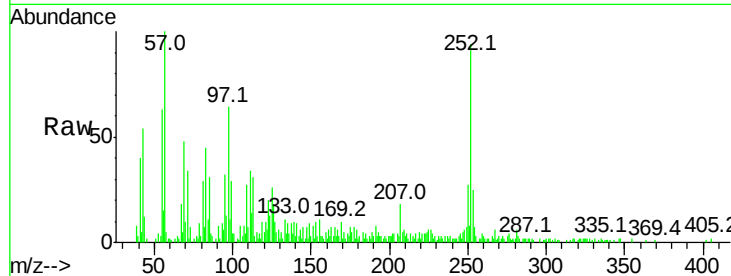
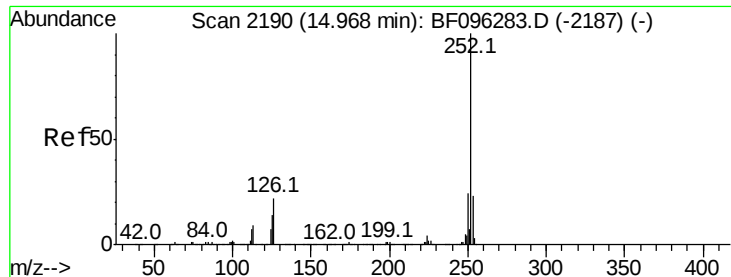
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.0	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.43 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.04 min
Lab File: BF096351.D
Acq: 30 Jun 2017 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.1	27.1#
125	27.9	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.66 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.04 min

Lab File: BF096351.D

Acq: 30 Jun 2017 22:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 38585

Ion Ratio Lower Upper

252 100

253 27.2 18.4 27.6

125 27.9 13.1 19.7#

