

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106676.D
 Acq On : 21 Jun 2018 22:16
 Operator : JU/SJ
 Sample : J3558-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 03:24:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	64787	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	235913	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	106461	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	182053	20.00	ng	0.00
75) Chrysene-d12	14.14	240	194185	20.00	ng	-0.01
86) Perylene-d12	15.68	264	149751	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	340977	89.12	ng	0.00
7) Phenol-d6	6.60	99	420923	88.10	ng	0.00
23) Nitrobenzene-d5	7.52	82	266652	62.81	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	106206	86.07	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	481235	74.73	ng	0.00
78) Terphenyl-d14	13.08	244	502201	62.65	ng	0.00

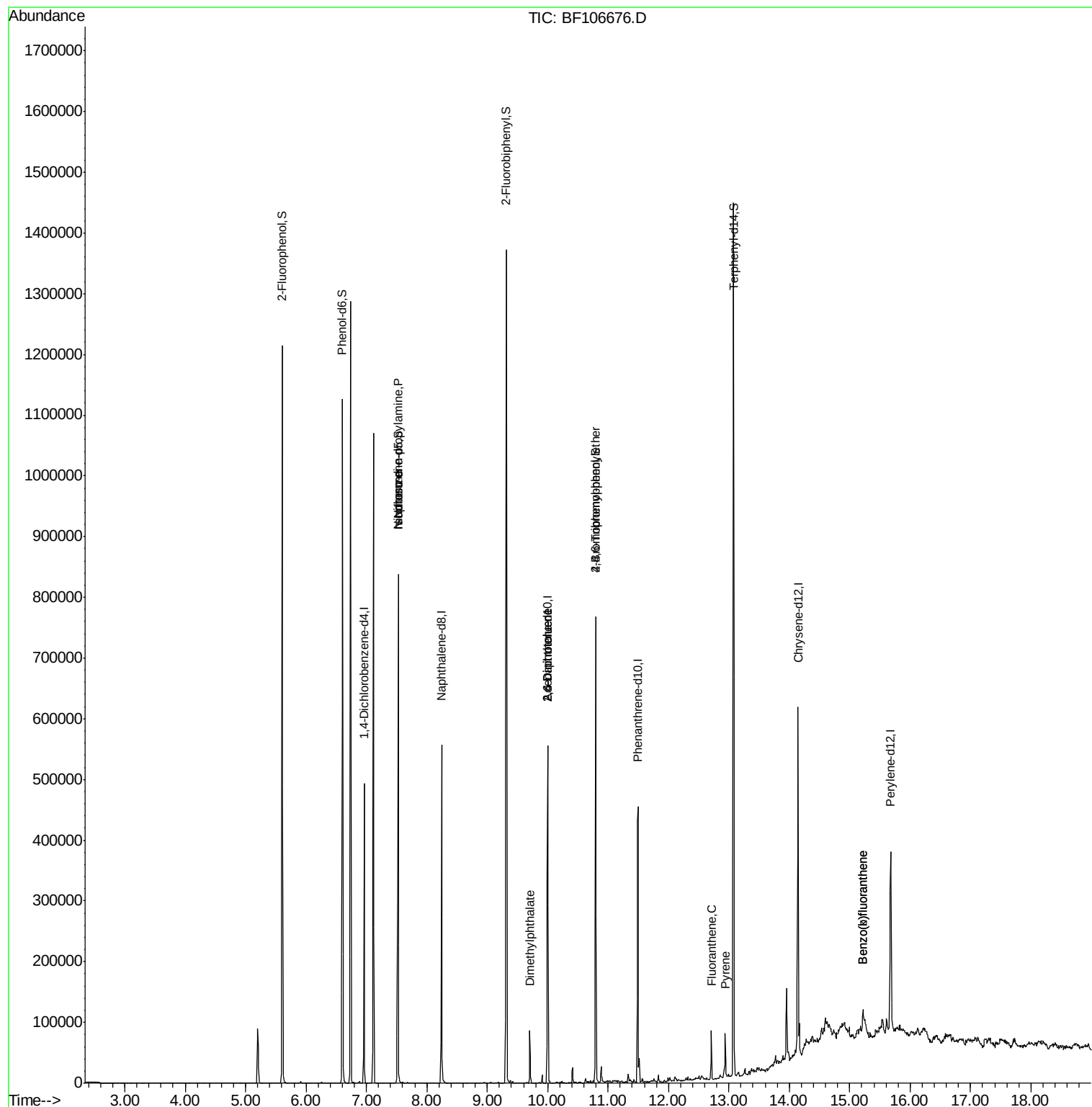
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	34868	11.071	ng	# 74
25) Isophorone	7.52	82	266647	35.646	ng	# 64
49) Dimethylphthalate	9.71	163	34681	4.343	ng	99
50) 2,6-Dinitrotoluene	10.00	165	13434	7.945	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	13434	6.087	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	6720	3.093	ng	# 1
74) Fluoranthene	12.71	202	31764	3.282	ng	98
77) Pyrene	12.94	202	30558	2.386	ng	98
87) Benzo(b)fluoranthene	15.22	252	28270	3.039	ng	# 92
88) Benzo(k)fluoranthene	15.22	252	28270	3.191	ng	95

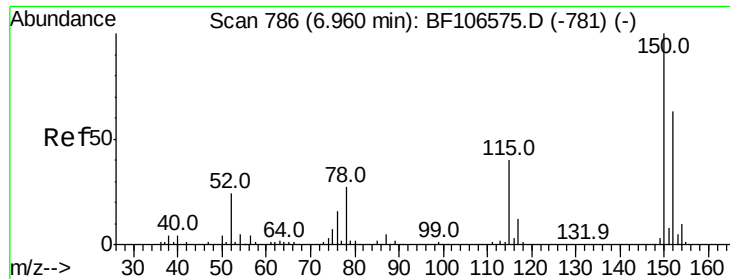
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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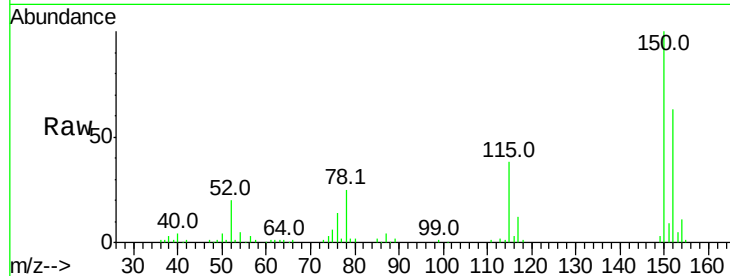


#1

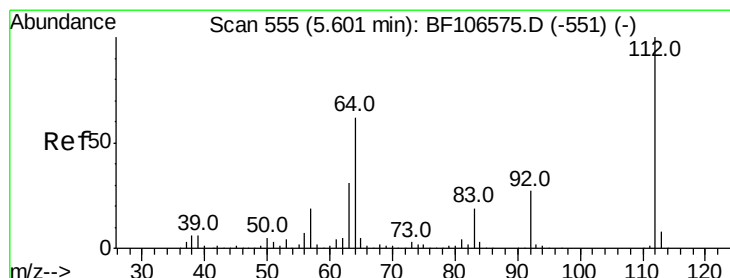
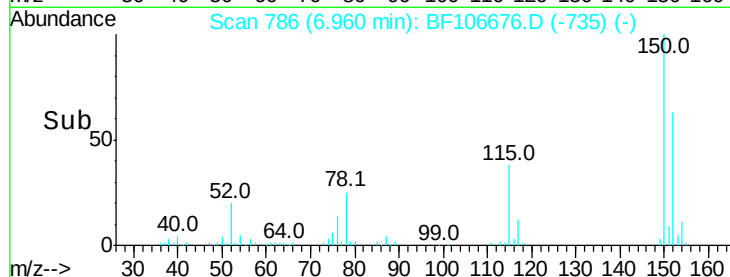
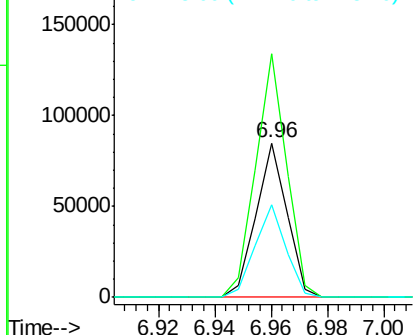
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106676.D
Acq: 21 Jun 2018 22:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64787
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 60.3 50.1 75.1



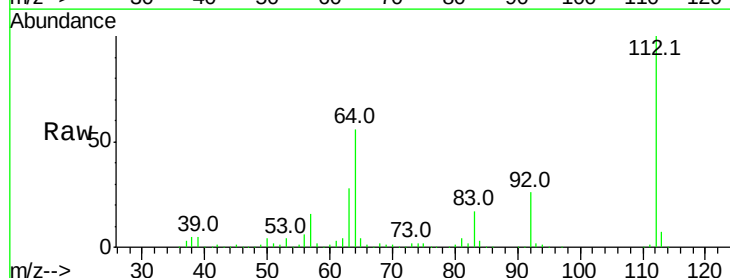
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



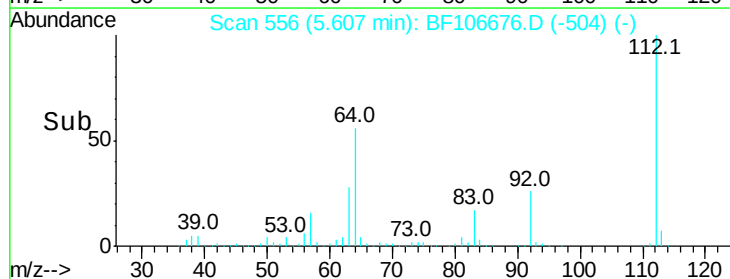
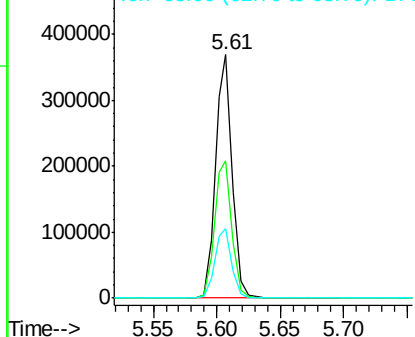
#5

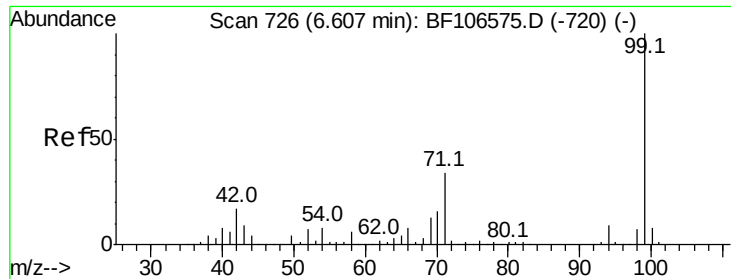
2-Fluorophenol
Concen: 89.120 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106676.D
Acq: 21 Jun 2018 22:16

Tgt Ion:112 Resp: 340977
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 28.5 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: 88.096 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106676.D

Acq: 21 Jun 2018 22:16

Instrument :

BNA_F

ClientSampled :

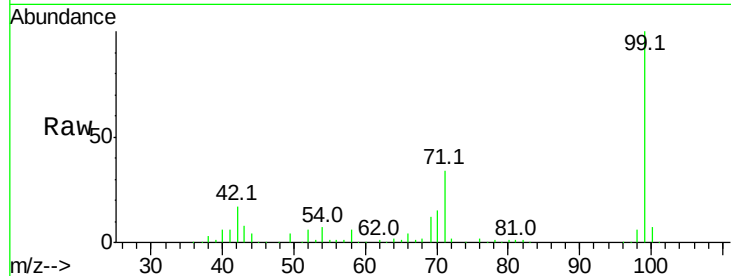
Tot Ion: 99 Resp: 420923

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

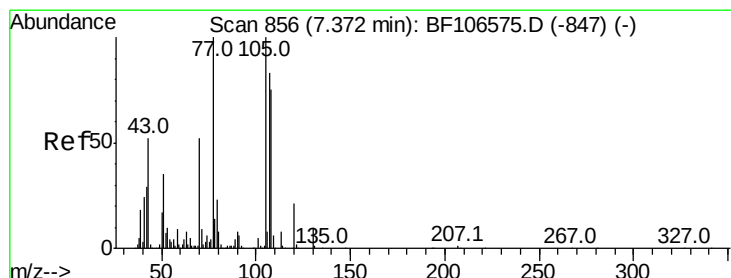
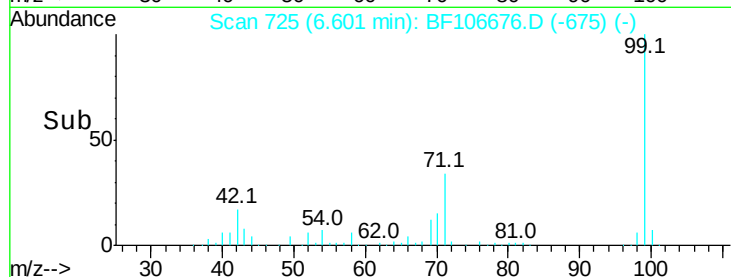
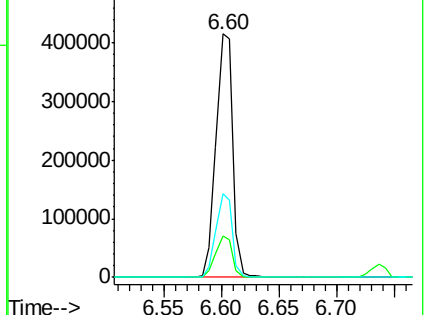
71 34.3 25.4 38.0



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: 11.071 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF106676.D

Acq: 21 Jun 2018 22:16

Tgt Ion: 70 Resp: 34868

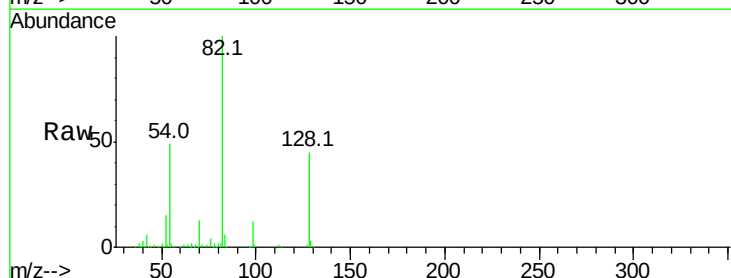
Ion Ratio Lower Upper

70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

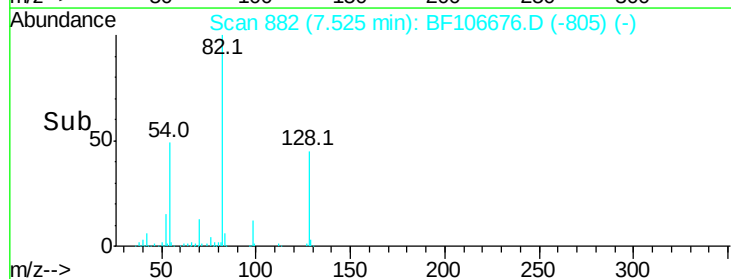
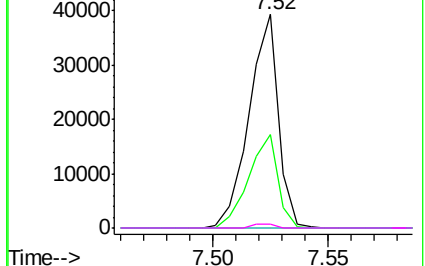


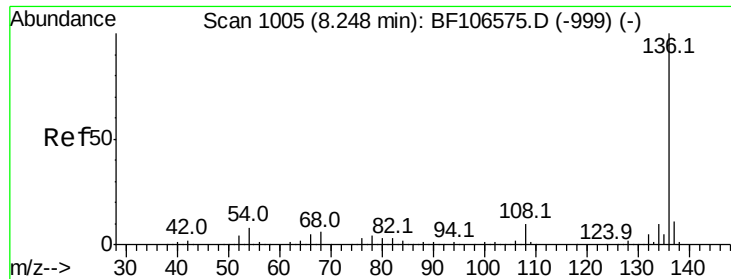
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

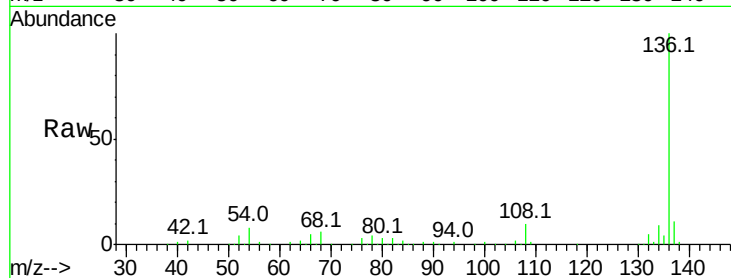




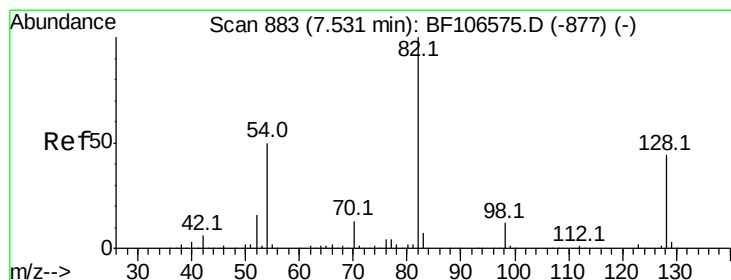
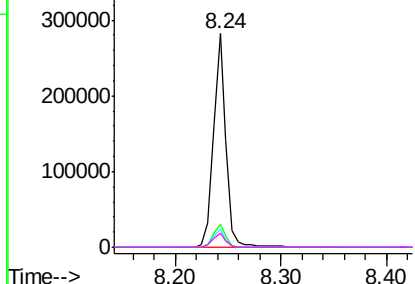
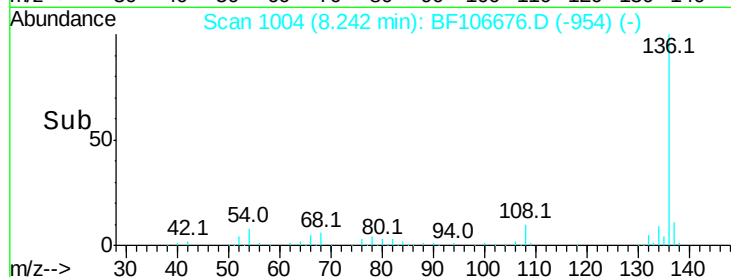
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106676.D
Acq: 21 Jun 2018 22:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	235913
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	8.2	6.6	9.8
68	6.5	5.0	7.4

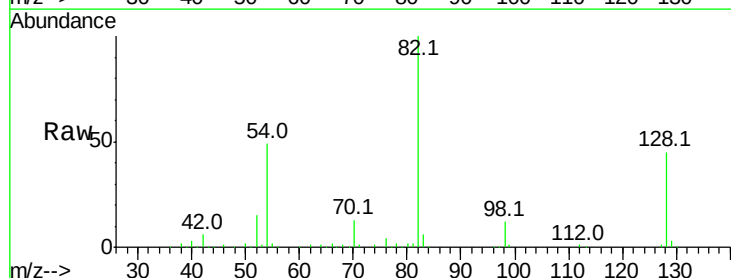


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

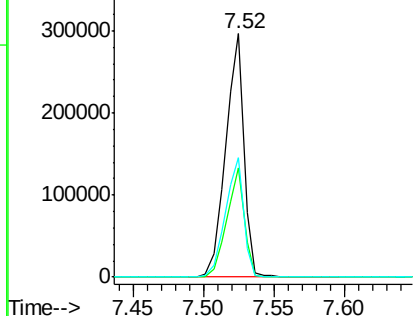
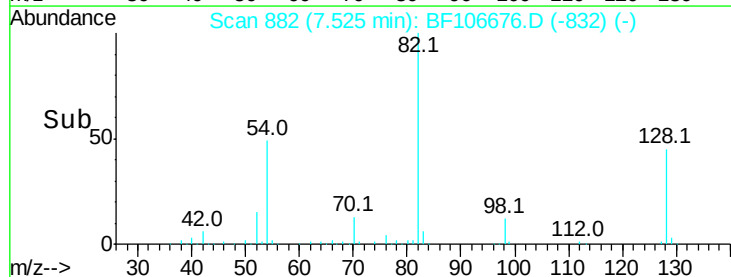


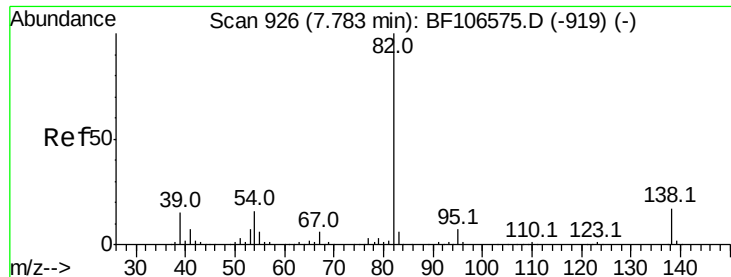
#23
Nitrobenzene-d5
Concen: 62.815 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106676.D
Acq: 21 Jun 2018 22:16

Tgt Ion:	82	Resp:	266652
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	49.0	41.4	62.2



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





#25

Isophorone

Concen: 35.646 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106676.D

Acq: 21 Jun 2018 22:16

Instrument :
BNA_F
ClientSampleId :

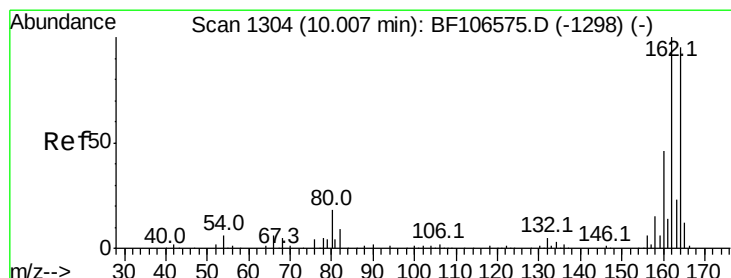
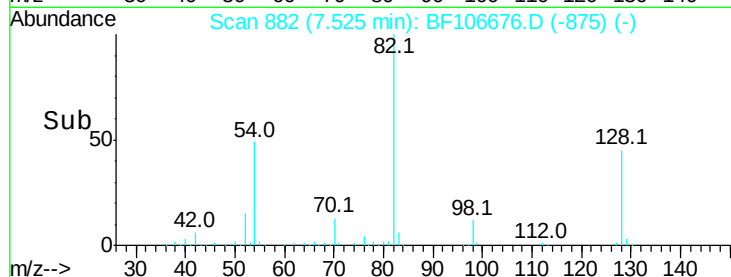
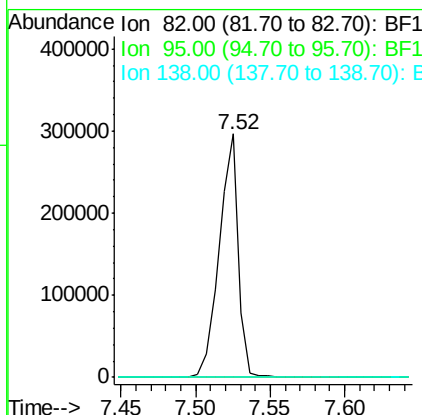
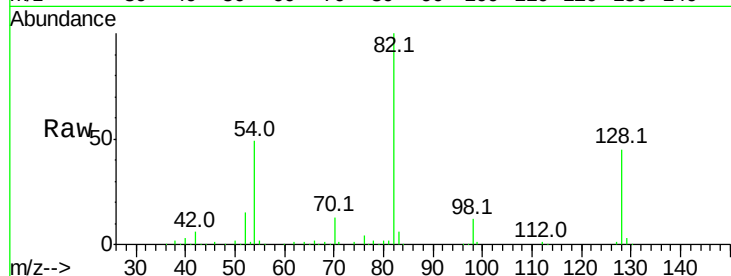
Tot Ion: 82 Resp: 266647

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106676.D

Acq: 21 Jun 2018 22:16

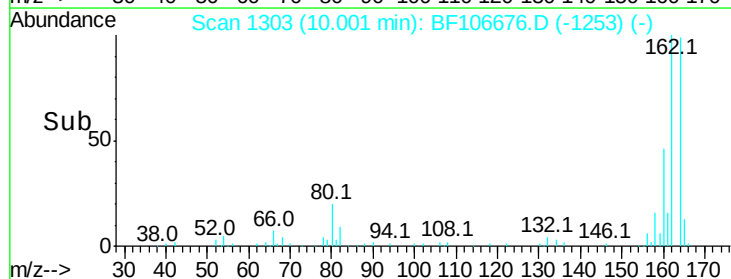
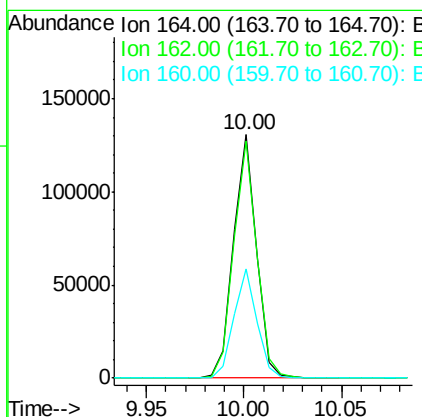
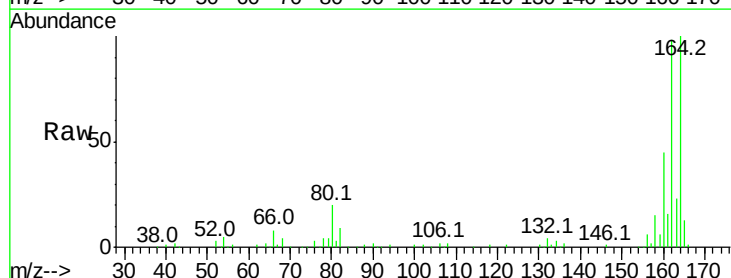
Tgt Ion:164 Resp: 106461

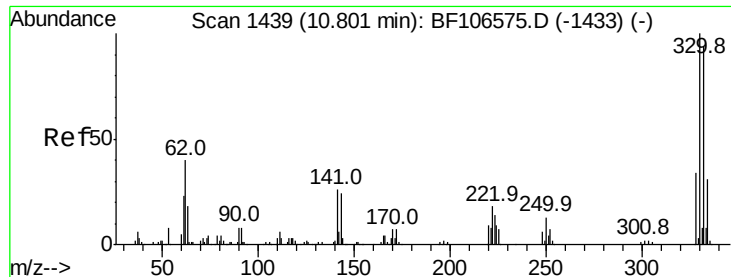
Ion Ratio Lower Upper

164 100

162 97.6 86.1 129.1

160 44.8 38.3 57.5

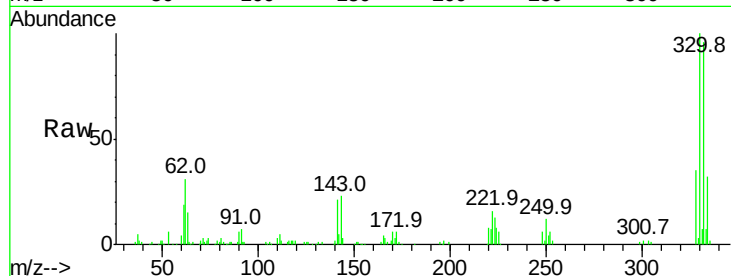




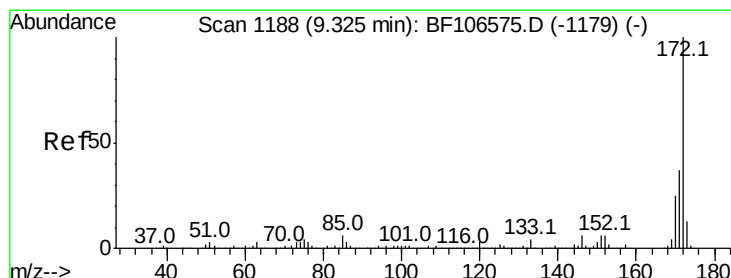
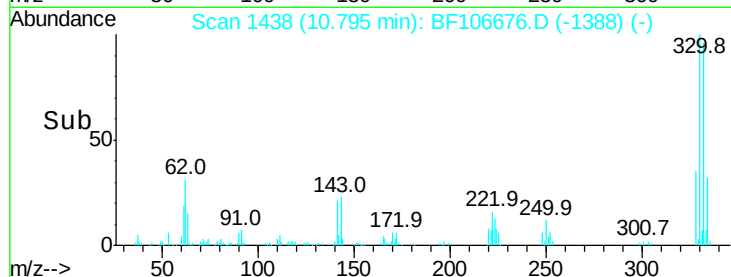
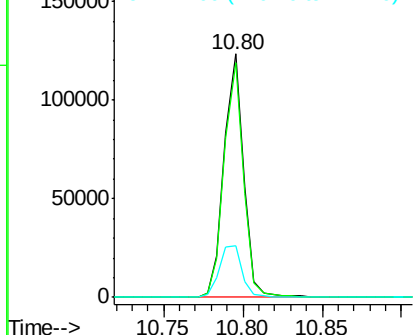
#41
 2,4,6-Tribromophenol
 Concen: 86.073 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106676.D
 Acq: 21 Jun 2018 22:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	24.2	29.9	44.9#

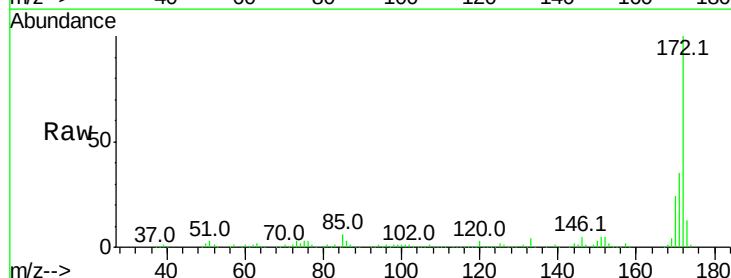


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

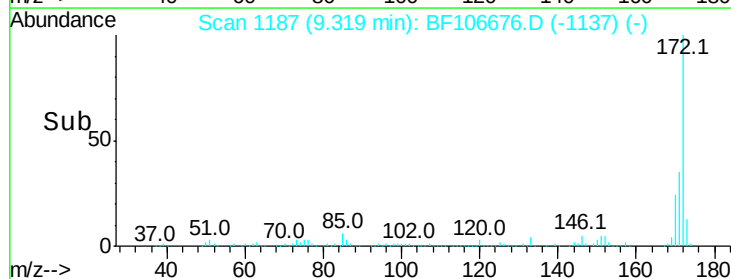
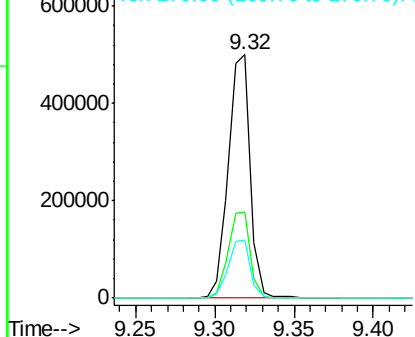


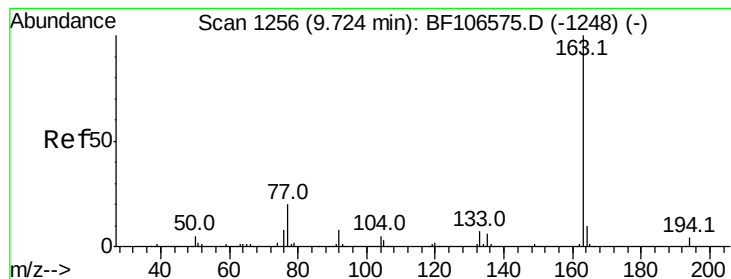
#44
 2-Fluorobiphenyl
 Concen: 74.729 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106676.D
 Acq: 21 Jun 2018 22:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.0	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: 4.343 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106676.D

Acq: 21 Jun 2018 22:16

Instrument :

BNA_F

ClientSampleId :

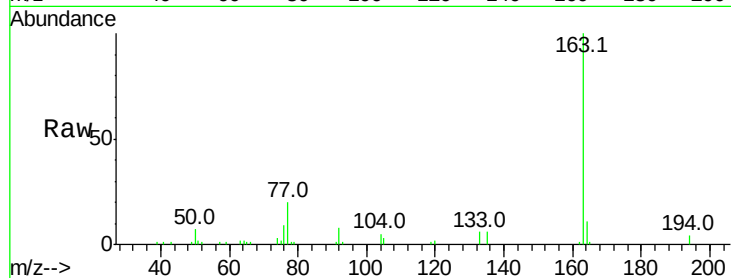
Tot Ion:163 Resp: 34681

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

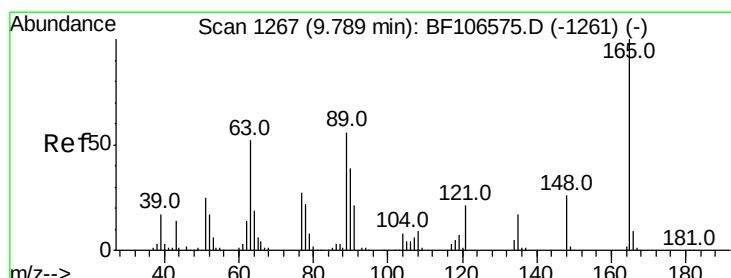
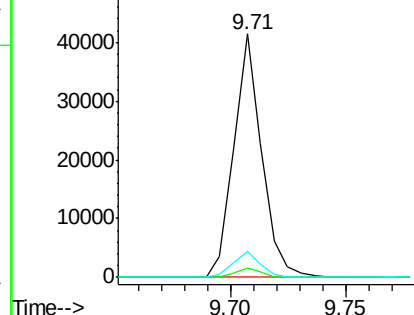
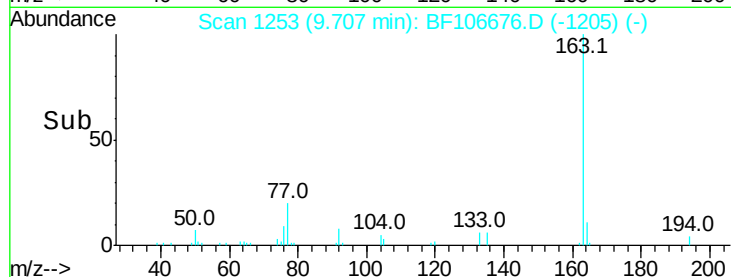
164 10.6 8.2 12.2



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: 7.945 ng

RT: 10.00 min Scan# 1303

Delta R.T. 0.21 min

Lab File: BF106676.D

Acq: 21 Jun 2018 22:16

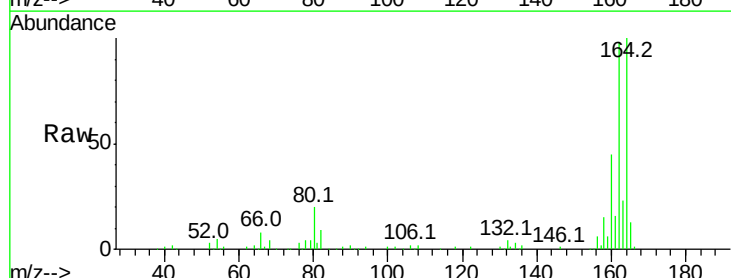
Tgt Ion:165 Resp: 13434

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

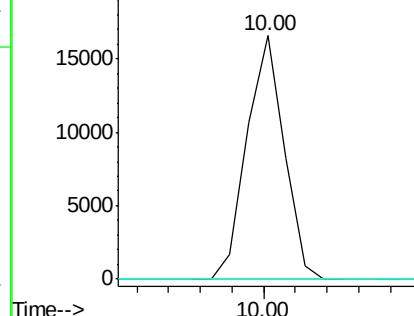
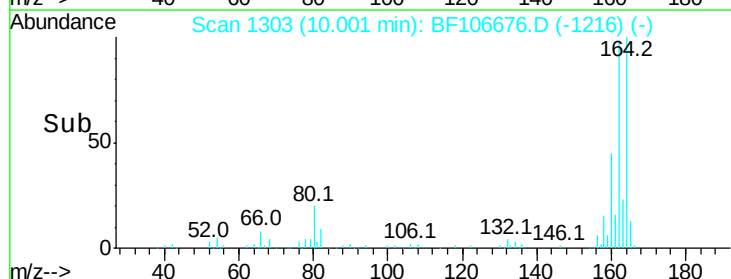
89 0.0 44.0 66.0#

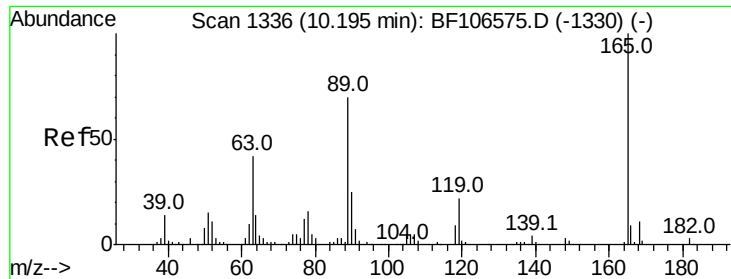


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

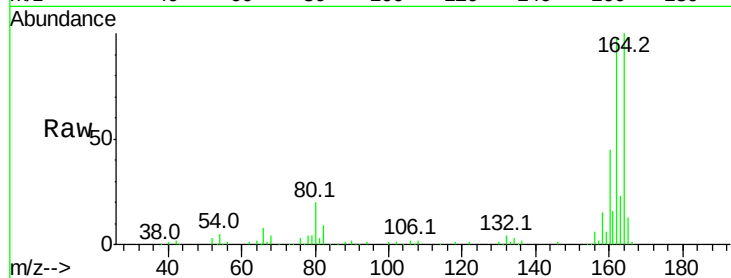




#56
 2,4-Dinitrotoluene
 Concen: 6.087 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106676.D
 Acq: 21 Jun 2018 22:16

Instrument :
 BNA_F
 ClientSampleId :

Tot 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#

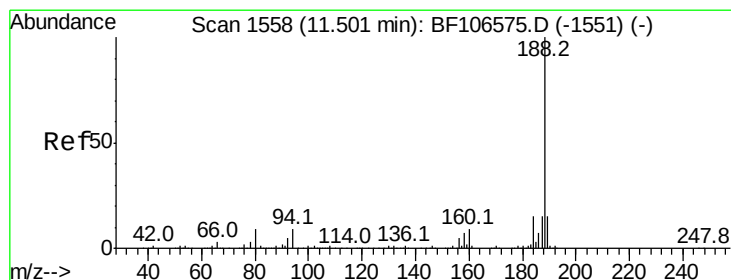
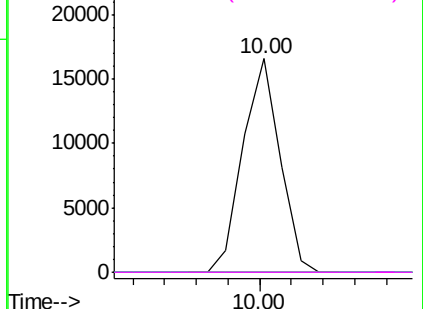
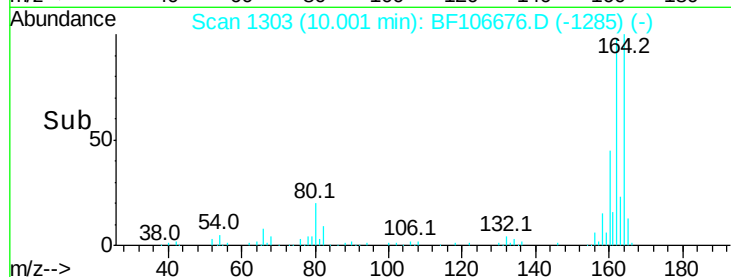


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

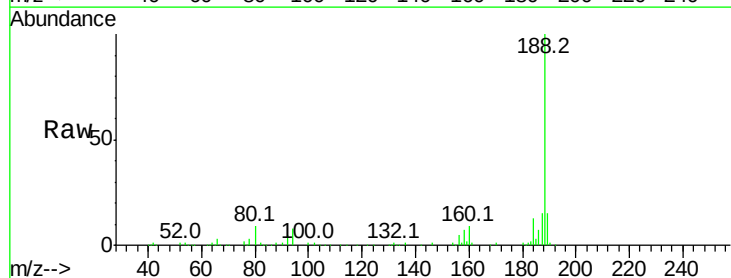
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106676.D
 Acq: 21 Jun 2018 22:16

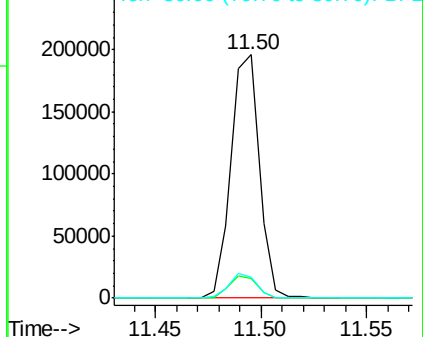
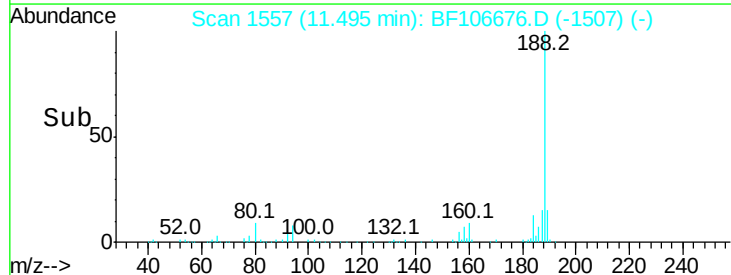
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	8.7	9.2	13.8#

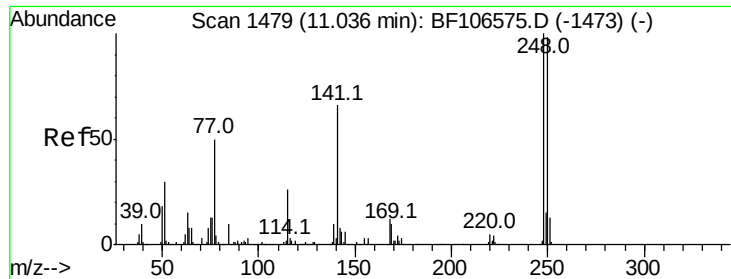


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

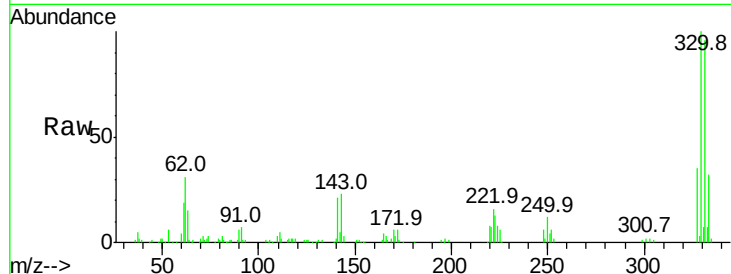




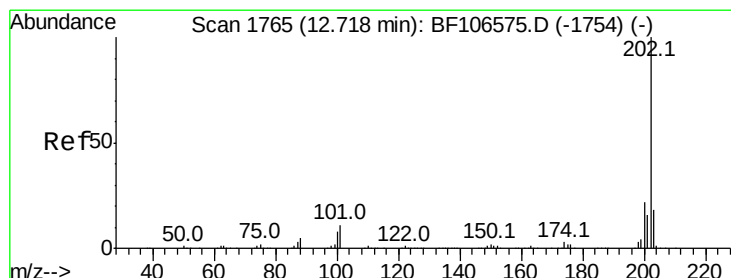
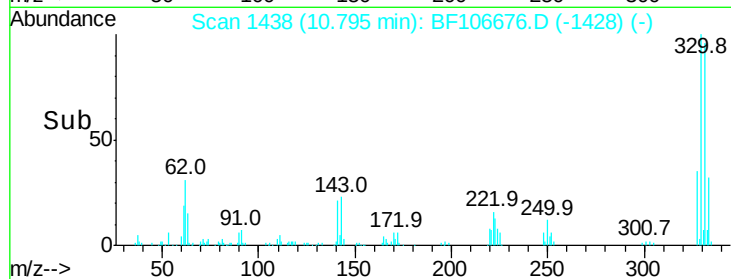
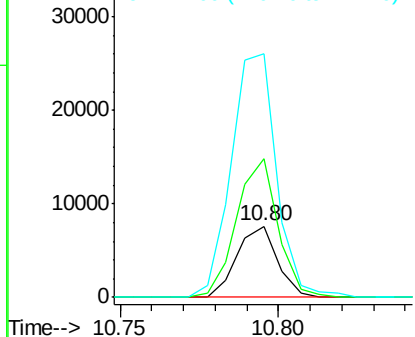
#66
4-Bromophenyl-phenylether
Concen: 3.093 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF106676.D
Acq: 21 Jun 2018 22:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6720
Ion Ratio Lower Upper
248 100
250 194.7 76.9 115.3#
141 341.4 74.4 111.6#

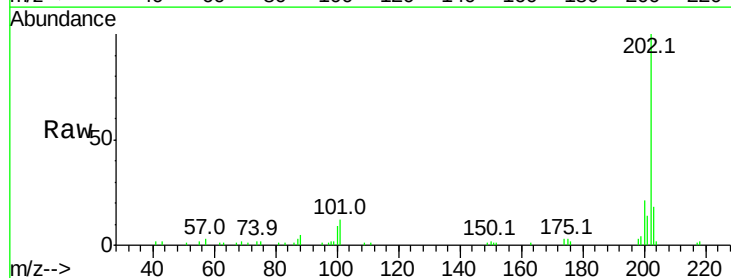


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

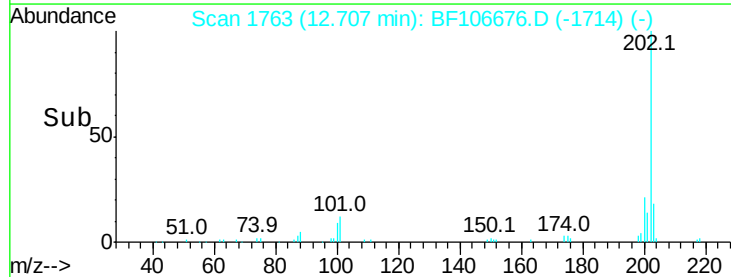
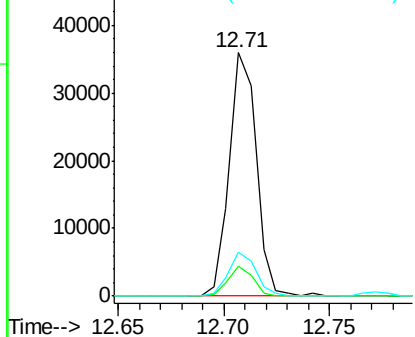


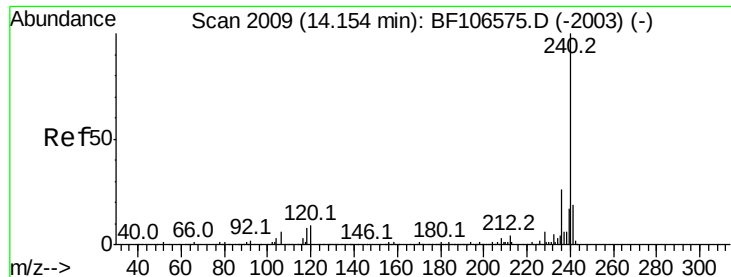
#74
Fluoranthene
Concen: 3.282 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF106676.D
Acq: 21 Jun 2018 22:16

Tgt Ion:202 Resp: 31764
Ion Ratio Lower Upper
202 100
101 12.1 0.0 34.1
203 18.0 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: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106676.D

Acq: 21 Jun 2018 22:16

Instrument :

BNA_F

ClientSampleId :

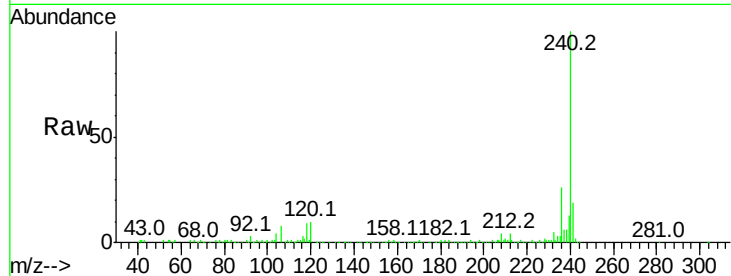
Tot Ion:240 Resp: 194185

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

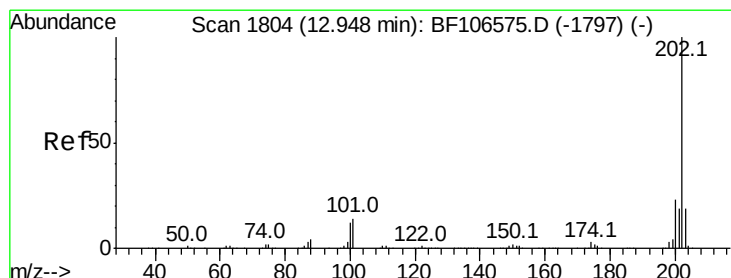
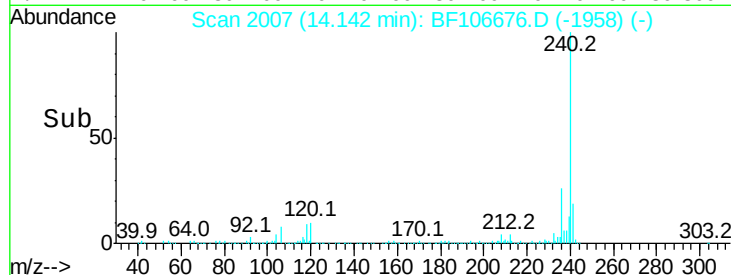
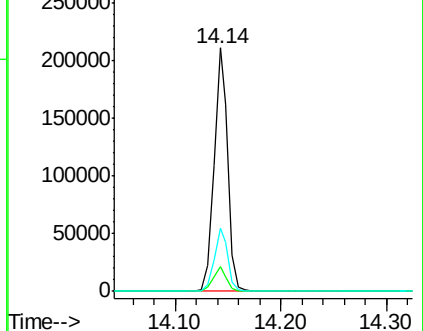
236 25.8 20.7 31.1



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: 2.386 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106676.D

Acq: 21 Jun 2018 22:16

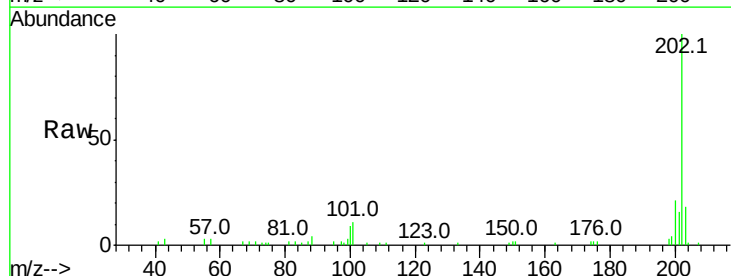
Tgt Ion:202 Resp: 30558

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

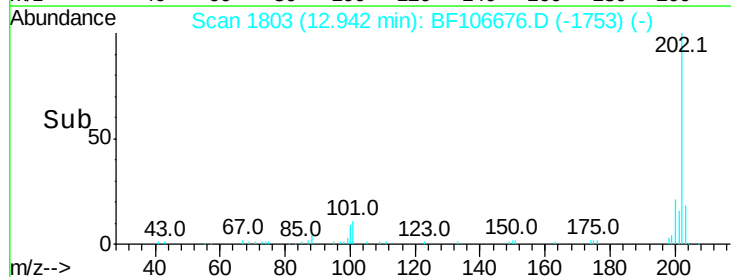
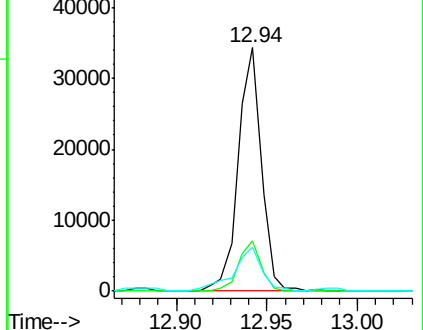
203 17.8 14.3 21.5

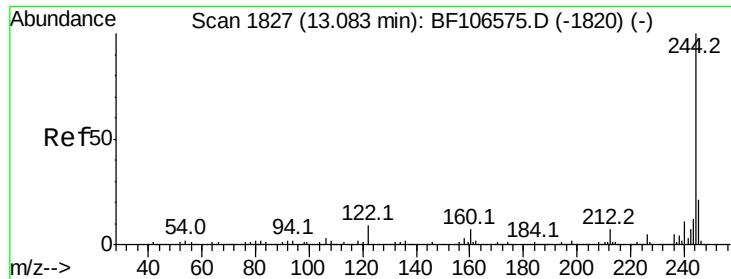


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

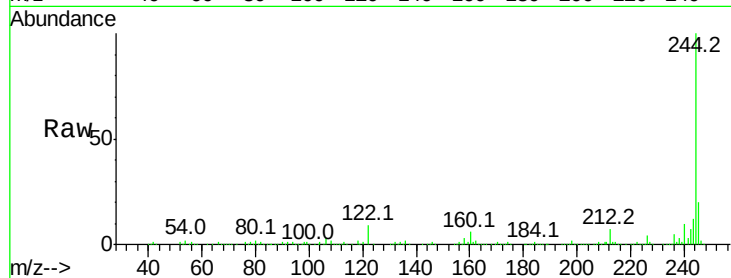




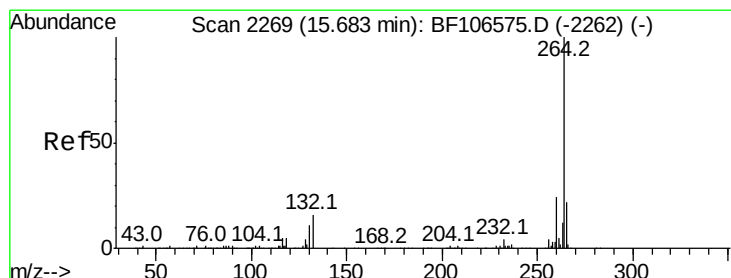
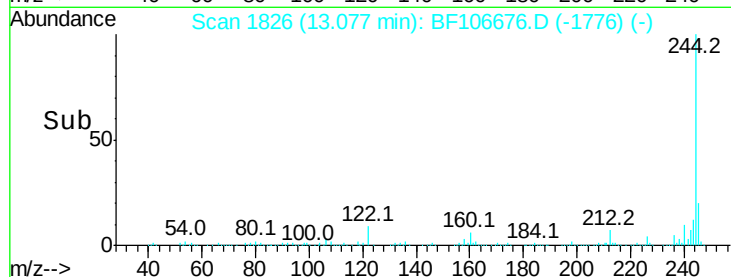
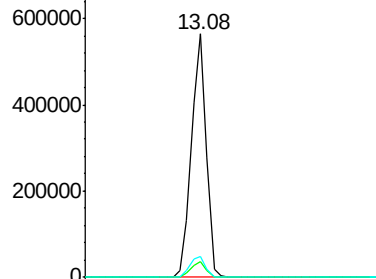
#78
 Terphenyl-d14
 Concen: 62.645 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106676.D
 Acq: 21 Jun 2018 22:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 502201
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 8.7 11.0 16.4#

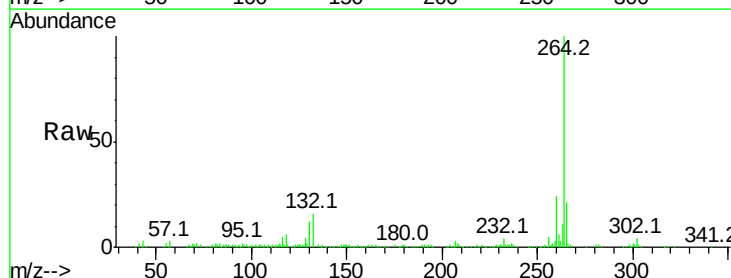


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

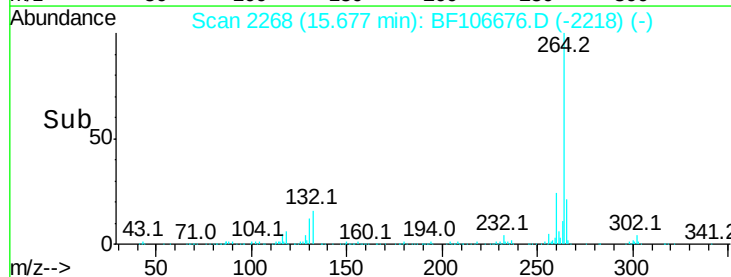
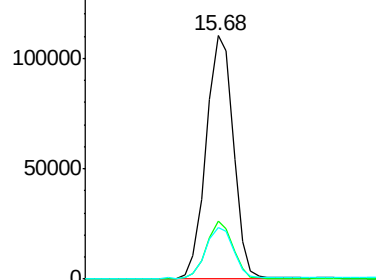


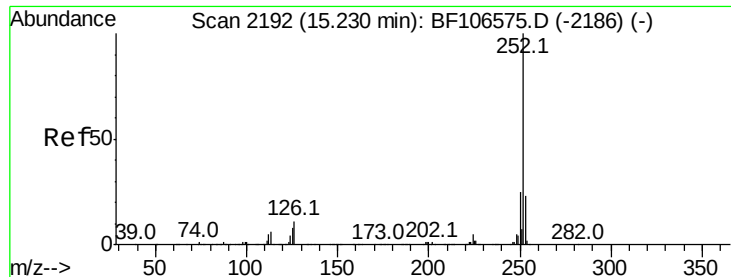
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF106676.D
 Acq: 21 Jun 2018 22:16

Tgt Ion:264 Resp: 149751
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.4 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

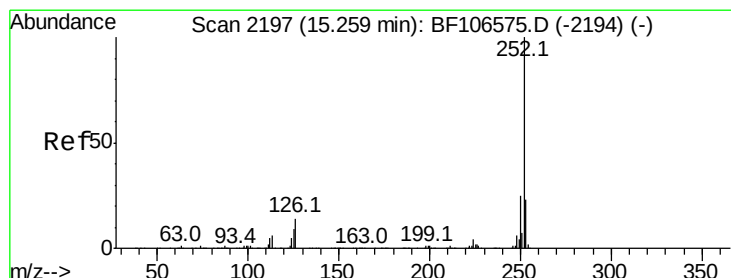
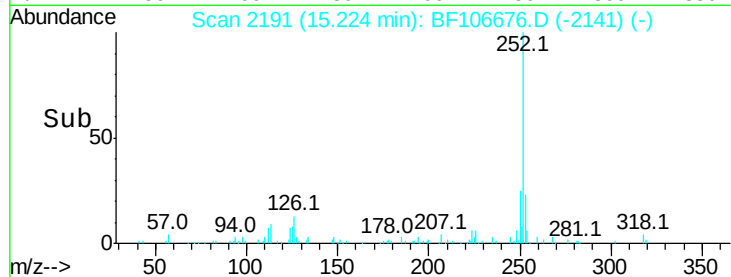
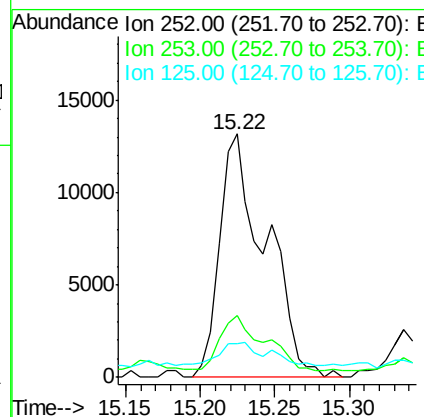
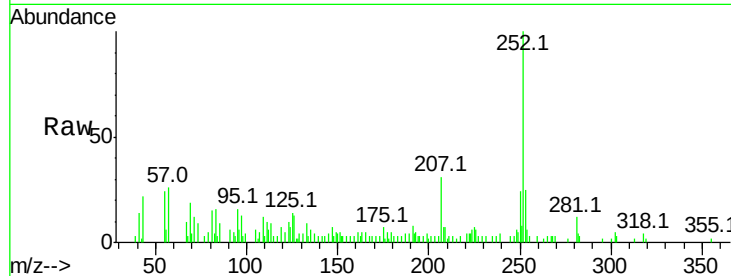




#87
Benzo(b)fluoranthene
Concen: 3.039 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF106676.D
Acq: 21 Jun 2018 22:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 28270
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 13.6 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 3.191 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF106676.D
Acq: 21 Jun 2018 22:16

Tgt Ion:252 Resp: 28270
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 13.6 10.2 15.2

