

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
 Data File : BF106704.D
 Acq On : 22 Jun 2018 13:03
 Operator : JU/SJ
 Sample : J3603-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 14:04:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 22 11:34:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	61203	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	238719	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	124904	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	244846	20.00	ng	0.00
75) Chrysene-d12	14.15	240	181383	20.00	ng	0.00
86) Perylene-d12	15.69	264	192680	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	366012	101.27	ng	0.00
7) Phenol-d6	6.60	99	472146	104.60	ng	0.00
23) Nitrobenzene-d5	7.52	82	299987	69.84	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	160093	110.59	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	454825	56.73	ng	-0.01
78) Terphenyl-d14	13.08	244	497352	66.42	ng	0.00

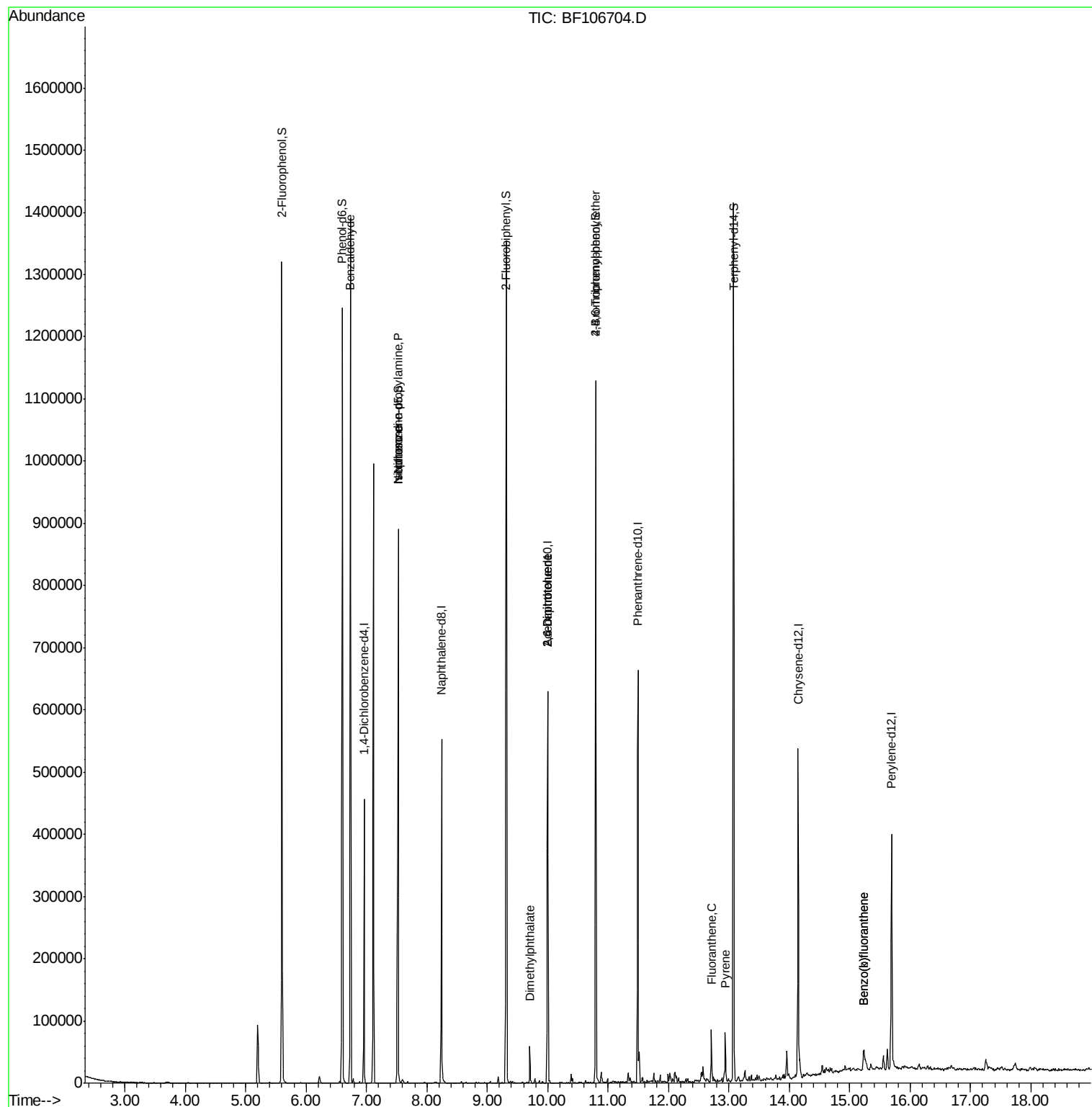
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	8196	2.163	ng	84
19) n-Nitroso-di-n-propylamine	7.52	70	39045	13.123	ng	# 73
25) Isophorone	7.52	82	299979	39.631	ng	# 64
49) Dimethylphthalate	9.71	163	23819	2.543	ng	100
50) 2,6-Dinitrotoluene	10.00	165	15832	7.981	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	15832	6.114	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	9563	3.273	ng	# 1
74) Fluoranthene	12.71	202	33890	2.604	ng	97
77) Pyrene	12.94	202	32862	2.747	ng	98
87) Benzo(b)fluoranthene	15.24	252	28250	2.360	ng	97
88) Benzo(k)fluoranthene	15.24	252	28250	2.478	ng	# 97

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

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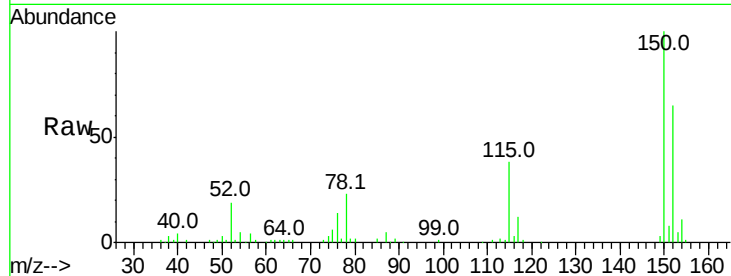


#1

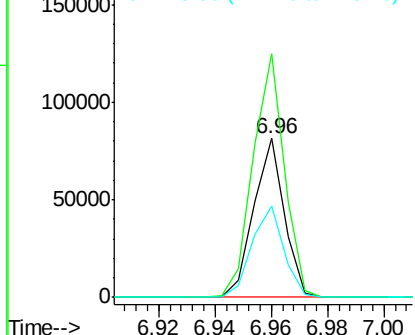
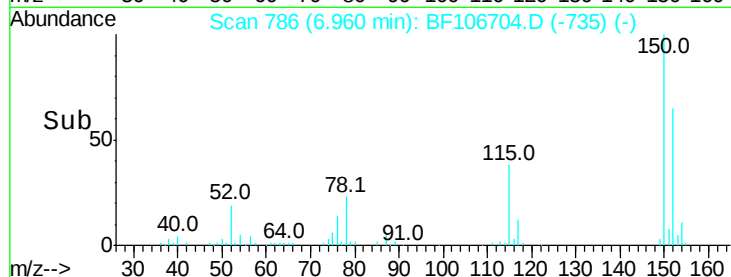
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF106704.D
Acq: 22 Jun 2018 13:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 61203
Ion Ratio Lower Upper
152 100
150 153.3 124.6 186.8
115 57.8 50.1 75.1



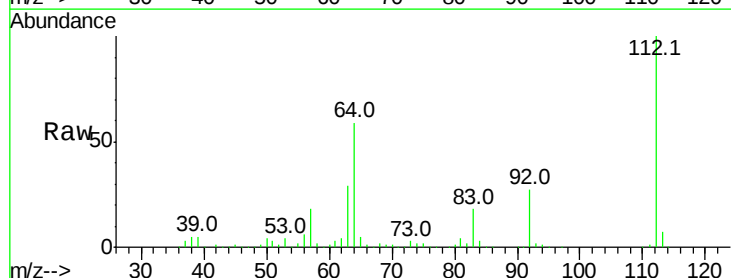
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



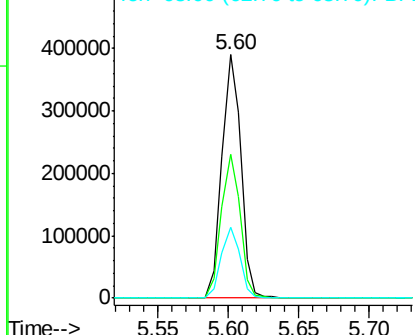
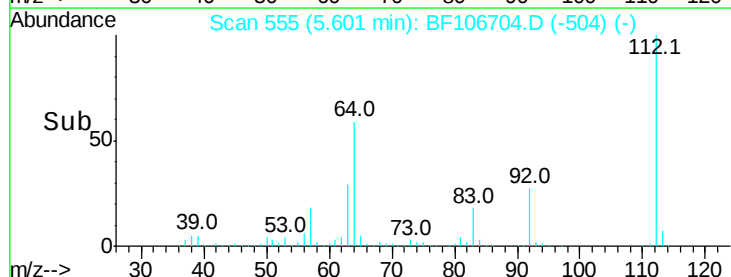
#5

2-Fluorophenol
Concen: 101.265 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106704.D
Acq: 22 Jun 2018 13:03

Tgt Ion:112 Resp: 366012
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 29.1 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: 104.604 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106704.D

Acq: 22 Jun 2018 13:03

Instrument :

BNA_F

ClientSampleId :

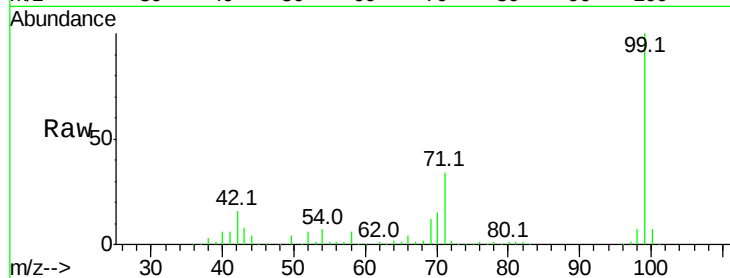
Tot Ion: 99 Resp: 472146

Ion Ratio Lower Upper

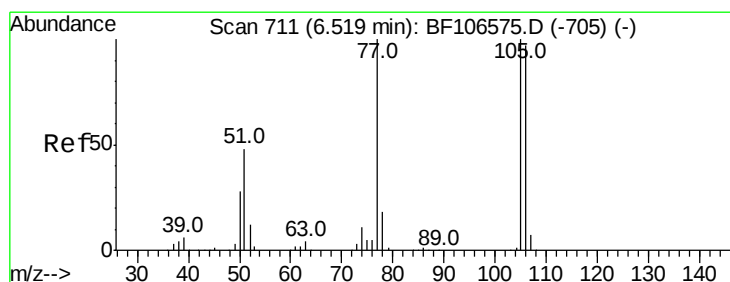
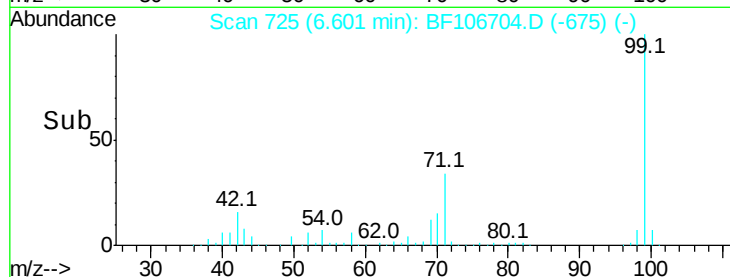
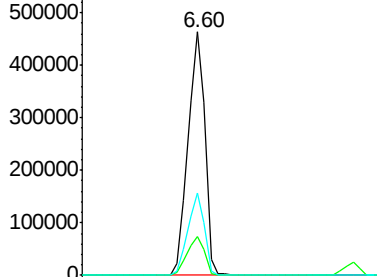
99 100

42 16.1 14.5 21.7

71 33.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.163 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF106704.D

Acq: 22 Jun 2018 13:03

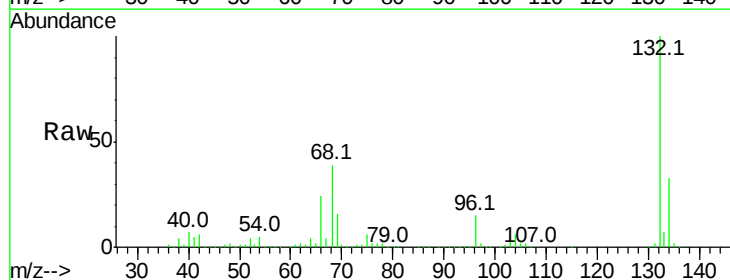
Tgt Ion: 77 Resp: 8196

Ion Ratio Lower Upper

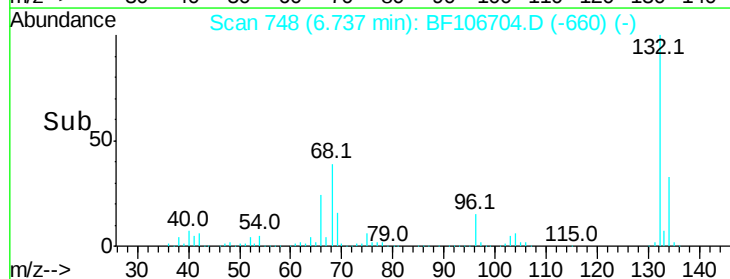
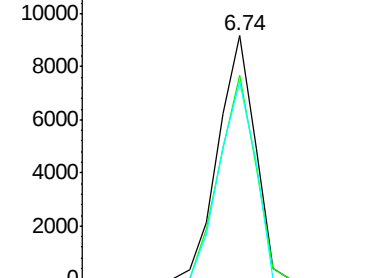
77 100

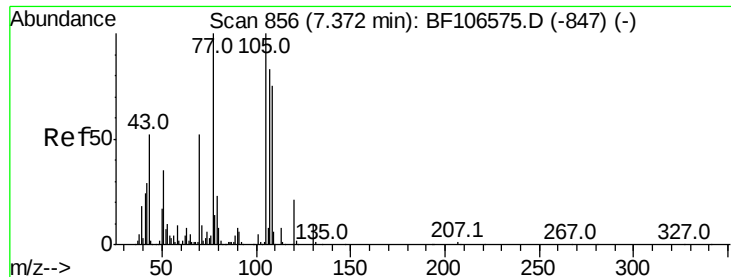
105 84.0 81.1 121.1

106 81.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

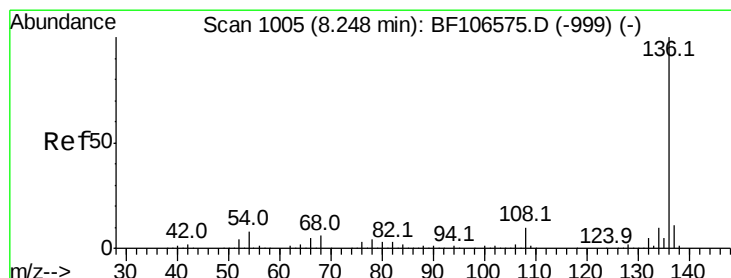
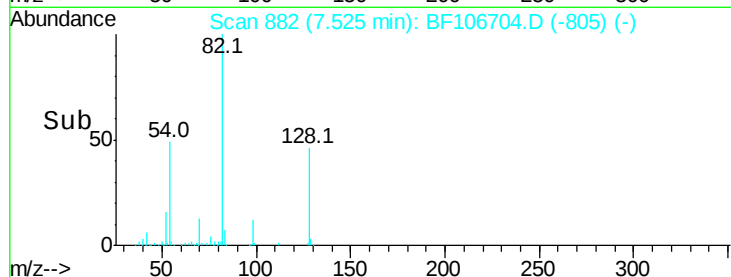
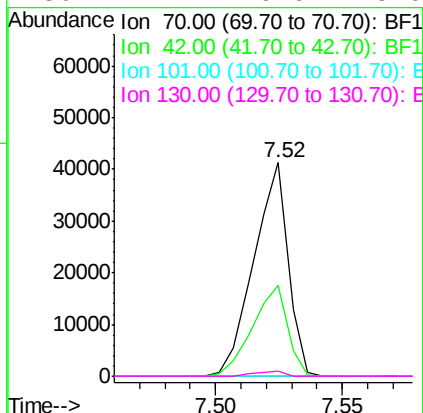
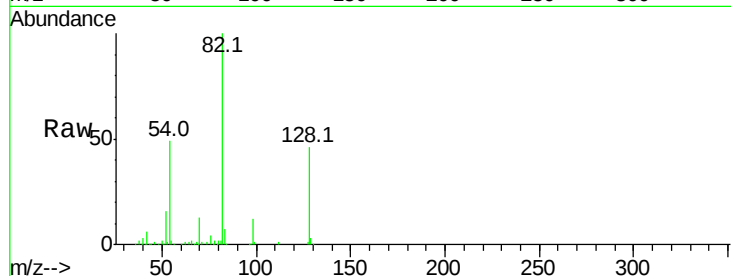




#19
n-Nitroso-di-n-propylamine
Concen: 13.123 ng
RT: 7.52 min Scan# 882
Delta R.T. 0.15 min
Lab File: BF106704.D
Acq: 22 Jun 2018 13:03

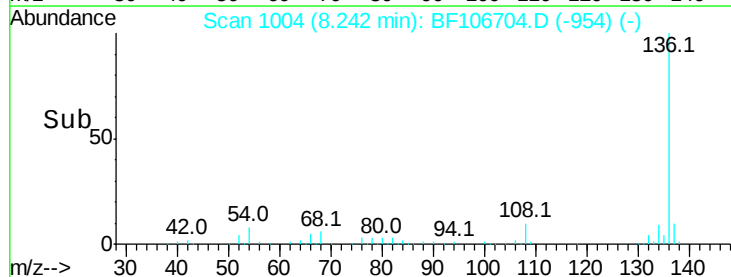
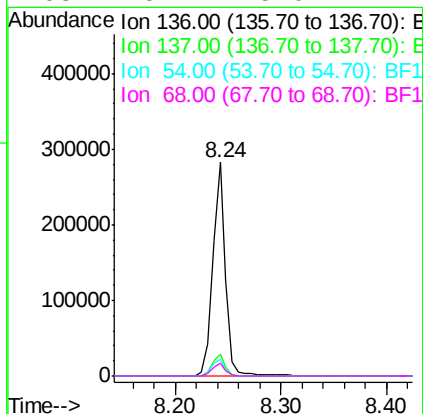
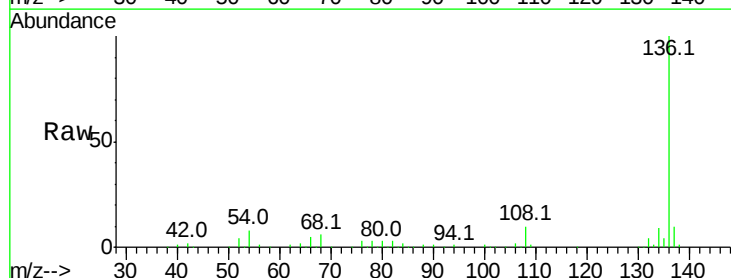
Instrument :
BNA_F
ClientSampleId :

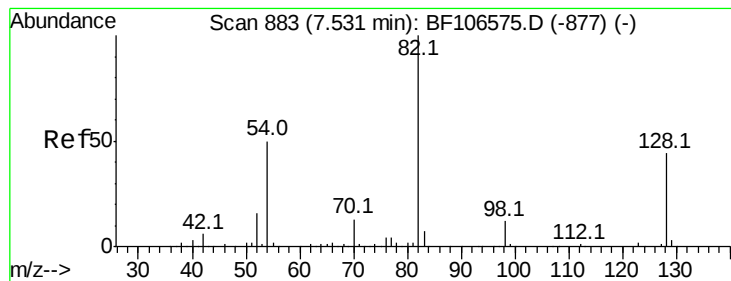
Tot Ion: 70 Resp: 39045
Ion Ratio Lower Upper
70 100
42 42.5 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF106704.D
Acq: 22 Jun 2018 13:03

Tgt Ion: 136 Resp: 238719
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 7.9 6.6 9.8
68 6.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 69.837 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106704.D

Acq: 22 Jun 2018 13:03

Instrument :

BNA_F

ClientSampleId :

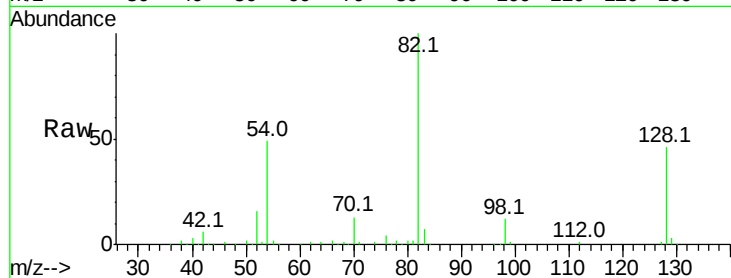
Tot Ion: 82 Resp: 299987

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

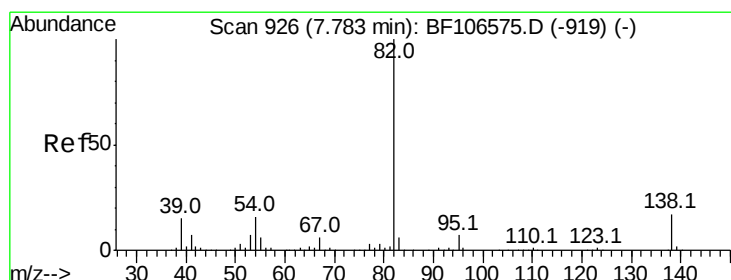
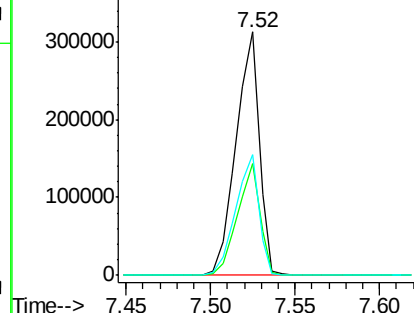
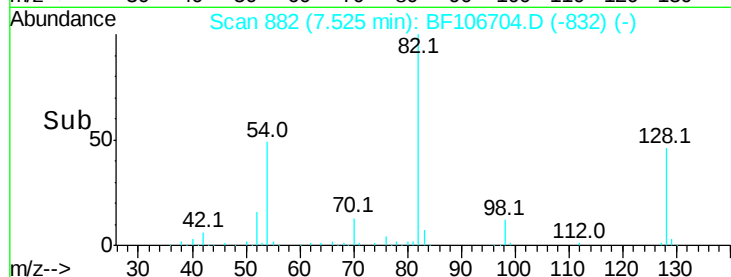
54 49.4 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 39.631 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106704.D

Acq: 22 Jun 2018 13:03

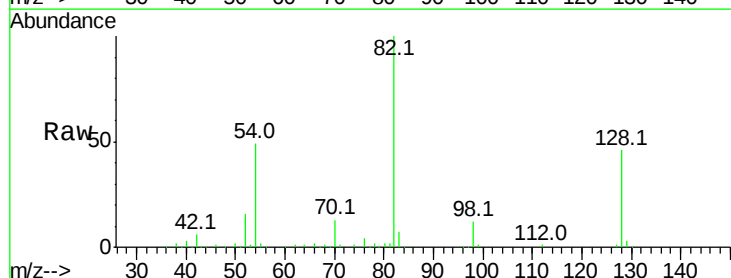
Tgt Ion: 82 Resp: 299979

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

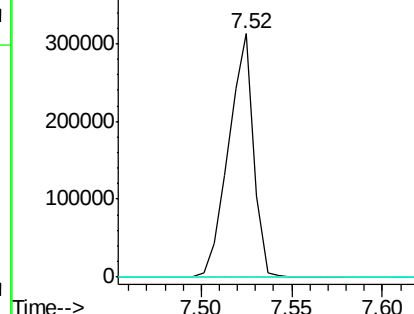
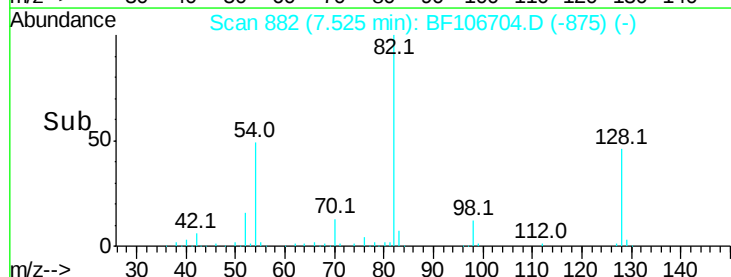
138 0.0 14.9 22.3#

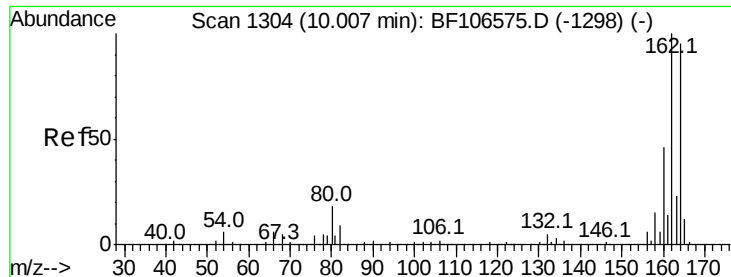


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

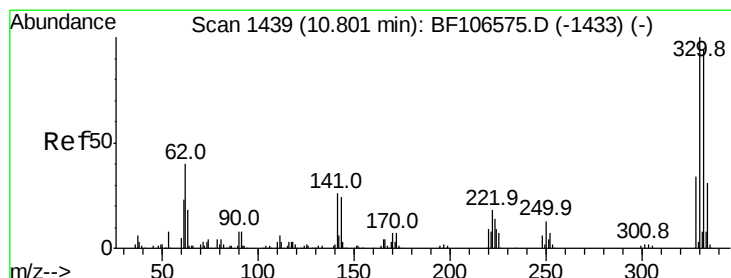
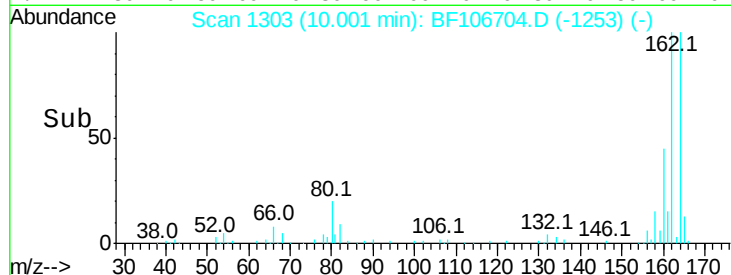
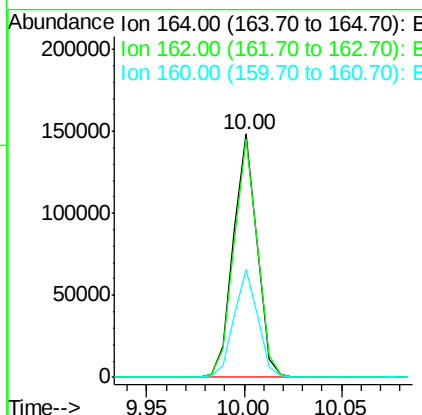
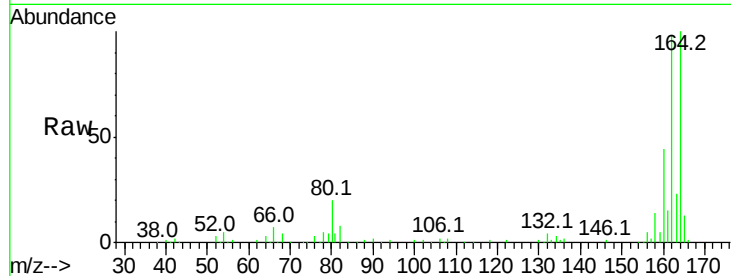




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF106704.D
 Acq: 22 Jun 2018 13:03

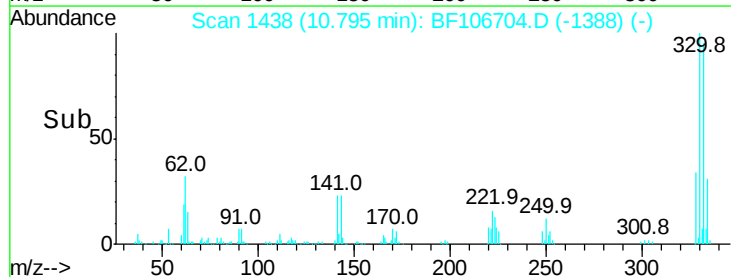
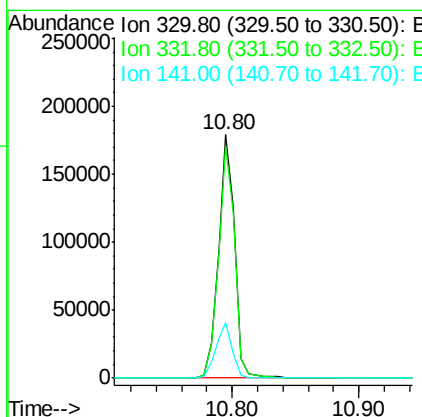
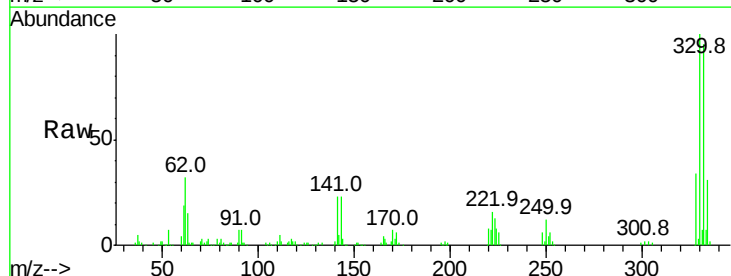
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 124904
 Ion Ratio Lower Upper
 164 100
 162 98.1 86.1 129.1
 160 44.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 110.587 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106704.D
 Acq: 22 Jun 2018 13:03

Tgt Ion:330 Resp: 160093
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 22.8 29.9 44.9#



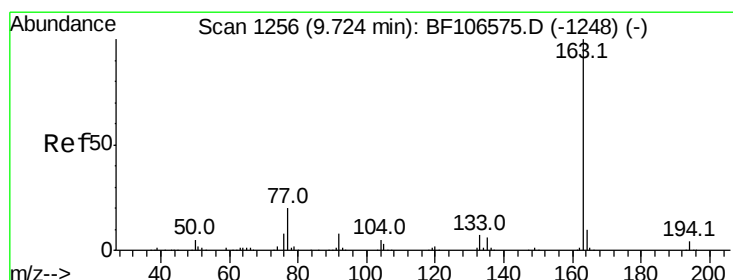
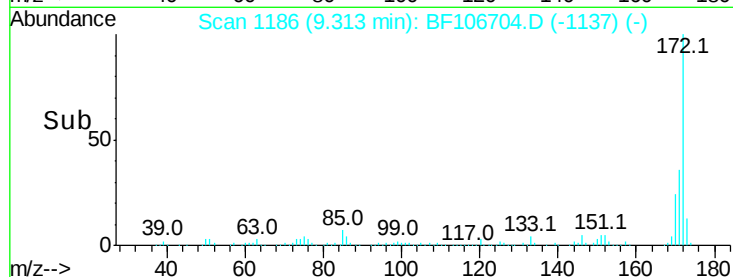
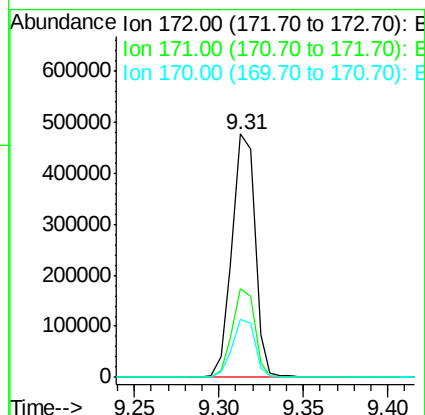
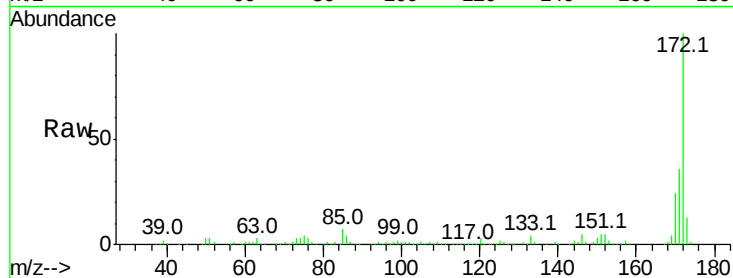


#44
 2-Fluorobiphenyl
 Concen: 56.729 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF106704.D
 Acq: 22 Jun 2018 13:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 454825

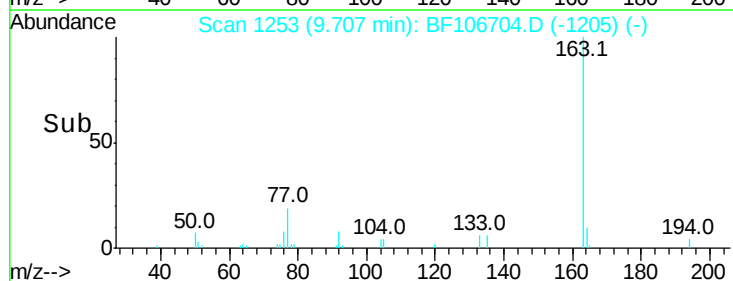
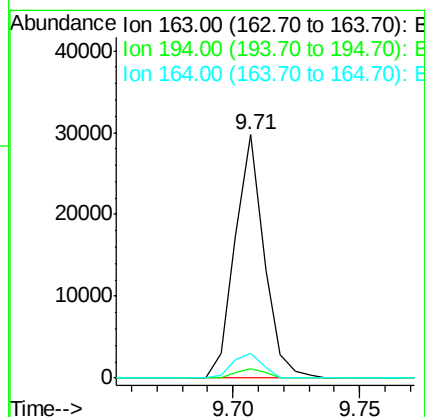
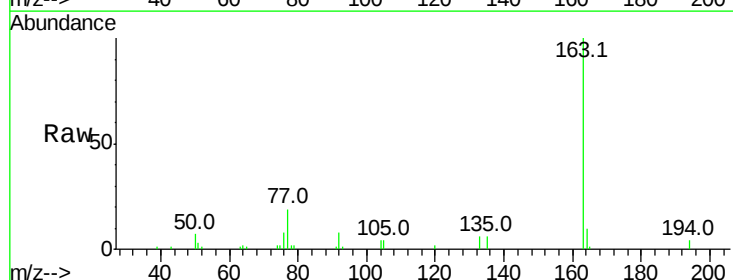
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	23.8	19.6	29.4

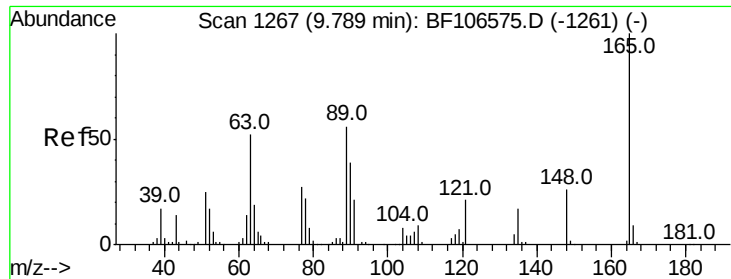


#49
 Dimethylphthalate
 Concen: 2.543 ng
 RT: 9.71 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF106704.D
 Acq: 22 Jun 2018 13:03

Tgt Ion:163 Resp: 23819

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.3	8.2	12.2

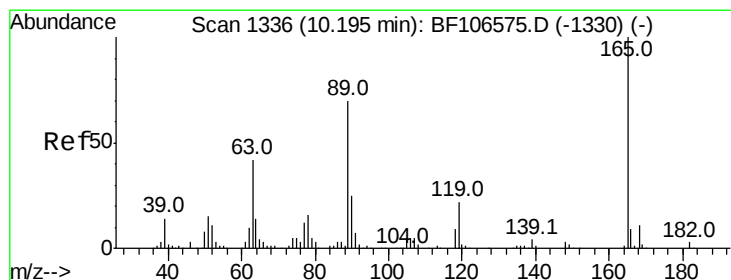
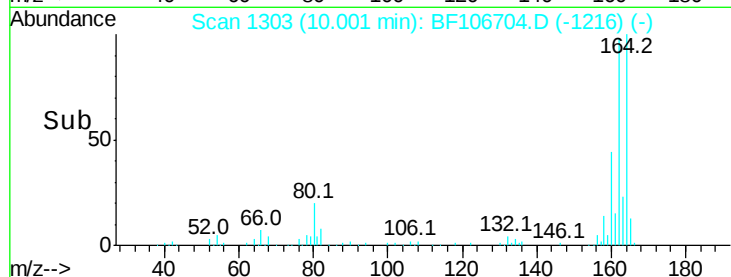
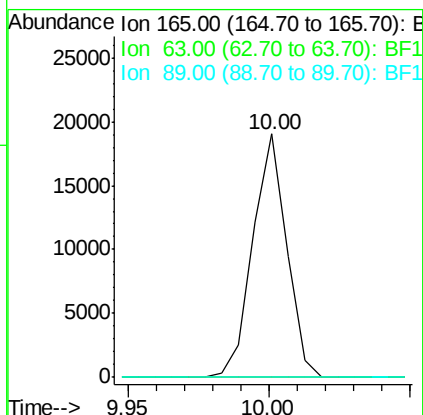
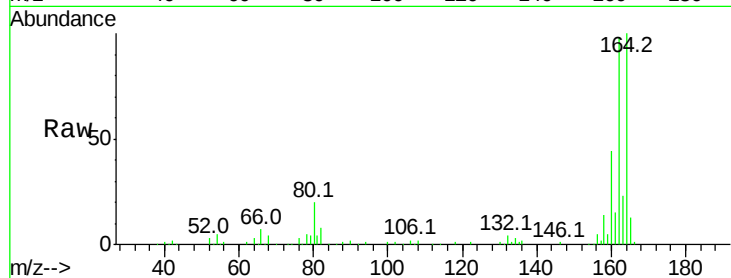




#50
 2,6-Dinitrotoluene
 Concen: 7.981 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF106704.D
 Acq: 22 Jun 2018 13:03

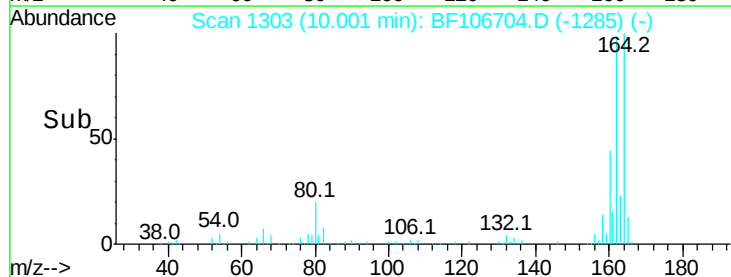
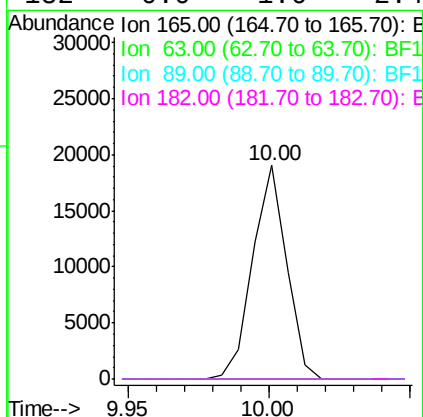
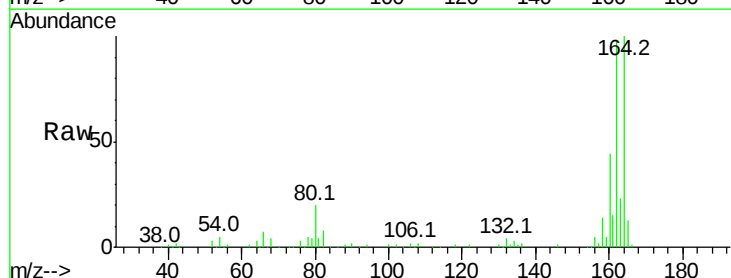
Instrument :
 BNA_F
 ClientSampleId :

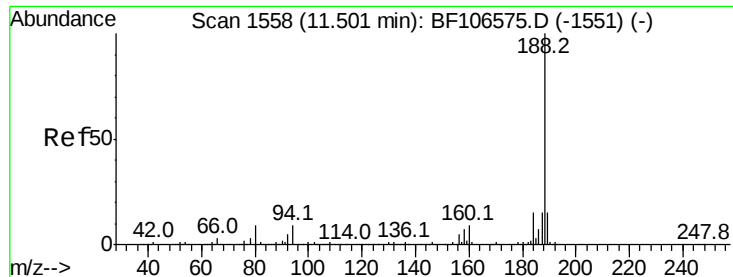
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.114 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.19 min
 Lab File: BF106704.D
 Acq: 22 Jun 2018 13:03

Tgt 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#

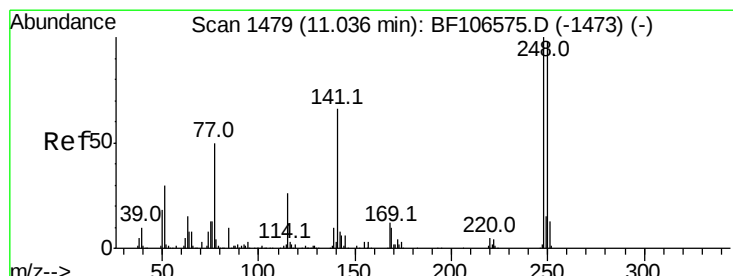
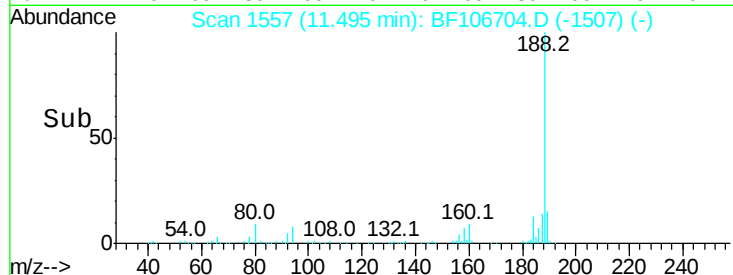
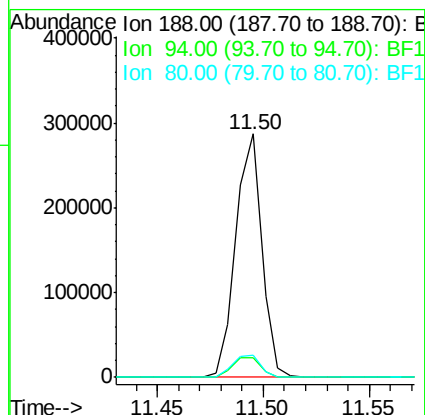
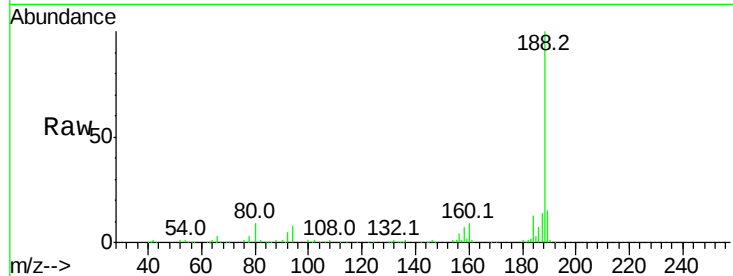




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106704.D
Acq: 22 Jun 2018 13:03

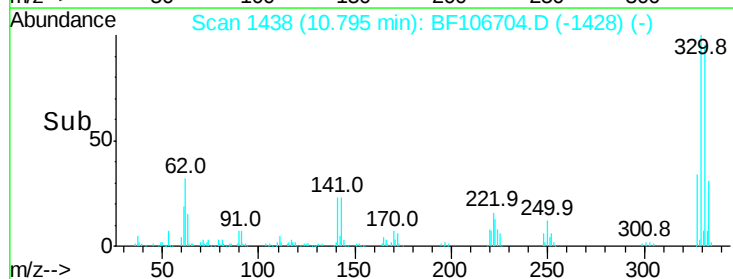
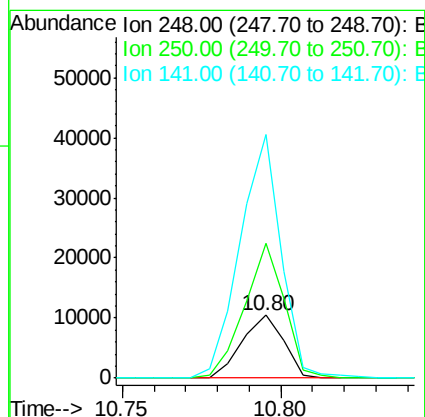
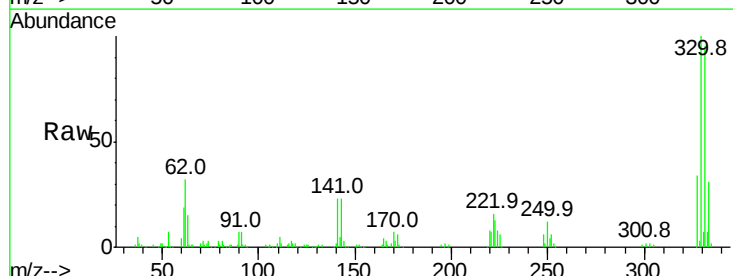
Instrument :
BNA_F
ClientSampleId :

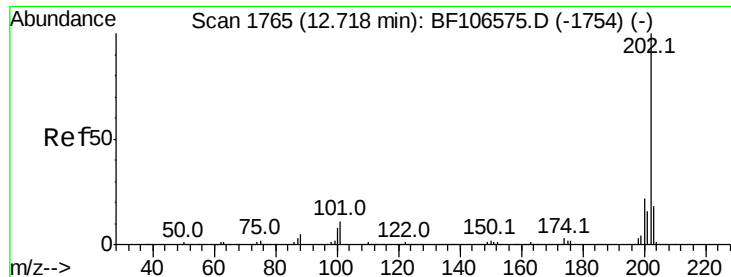
Tot Ion:188 Resp: 244846
Ion Ratio Lower Upper
188 100
94 8.3 8.5 12.7#
80 9.2 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.273 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF106704.D
Acq: 22 Jun 2018 13:03

Tgt Ion:248 Resp: 9563
Ion Ratio Lower Upper
248 100
250 213.4 76.9 115.3#
141 386.6 74.4 111.6#





#74

Fluoranthene

Concen: 2.604 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106704.D

Acq: 22 Jun 2018 13:03

Instrument :

BNA_F

ClientSampleId :

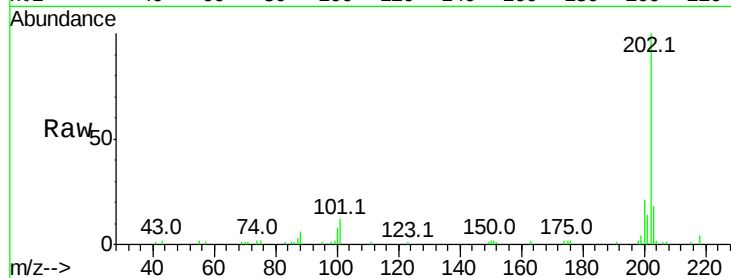
Tot Ion:202 Resp: 33890

Ion Ratio Lower Upper

202 100

101 11.5 0.0 34.1

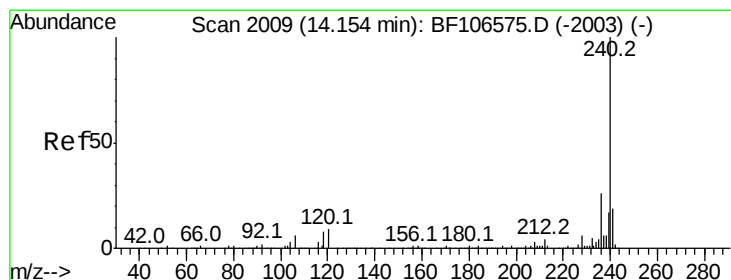
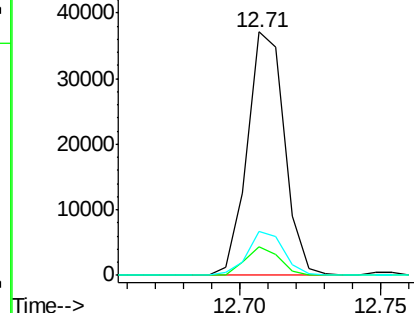
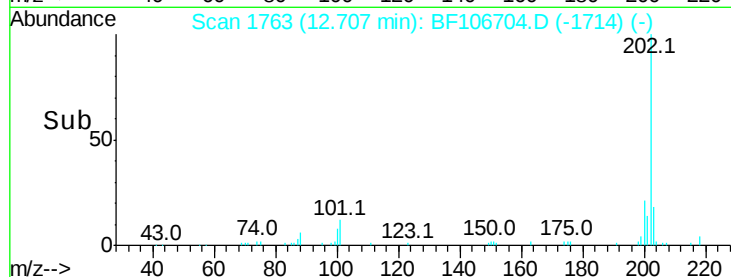
203 18.2 0.0 38.1



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: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106704.D

Acq: 22 Jun 2018 13:03

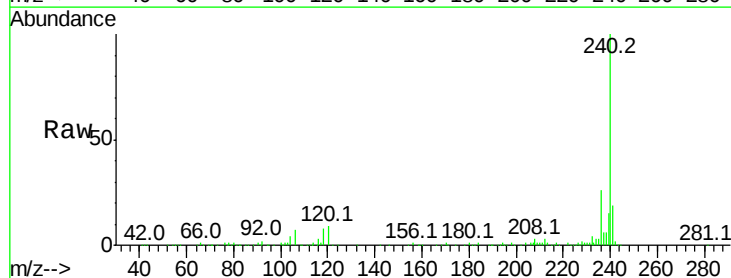
Tgt Ion:240 Resp: 181383

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

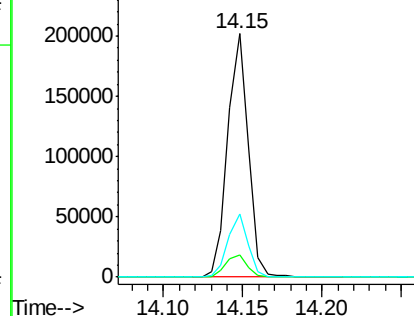
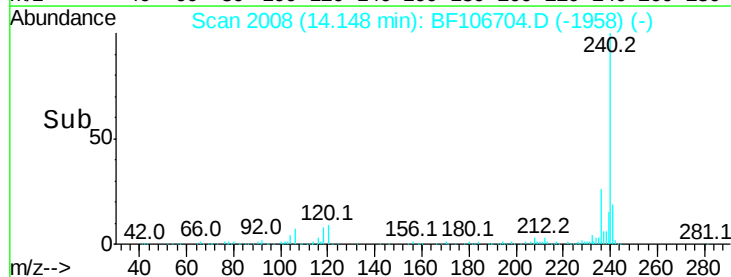
236 26.0 20.7 31.1

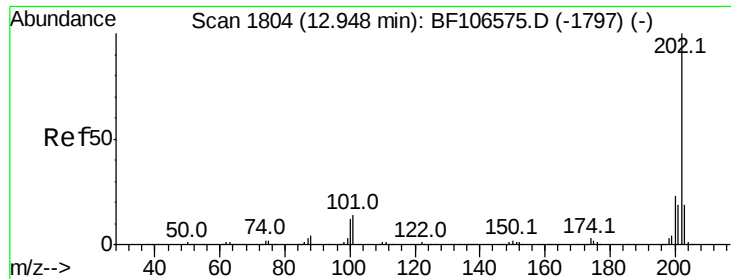


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

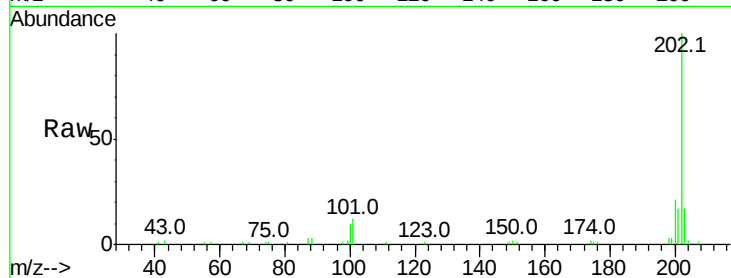




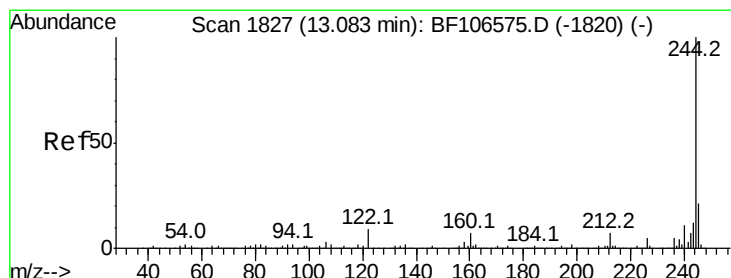
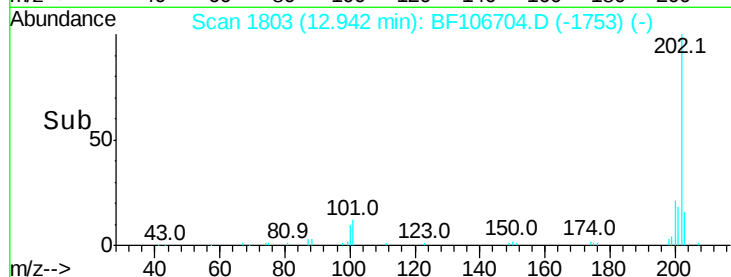
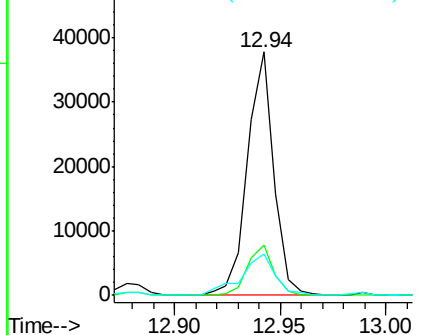
#77
 Pvrene
 Concen: 2.747 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: BF106704.D
 Acq: 22 Jun 2018 13:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 32862
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.4 26.2
 203 17.0 14.3 21.5

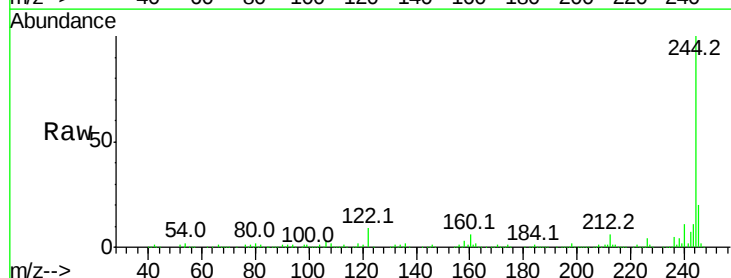


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

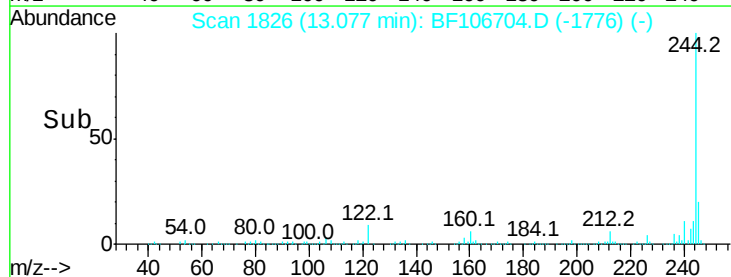
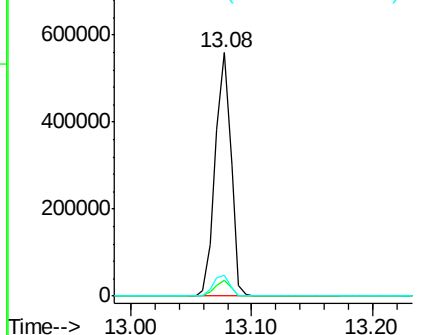


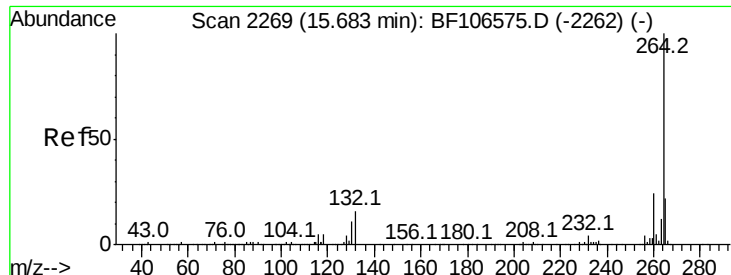
#78
 Terphenyl-d14
 Concen: 66.419 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106704.D
 Acq: 22 Jun 2018 13:03

Tgt Ion:244 Resp: 497352
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 8.8 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

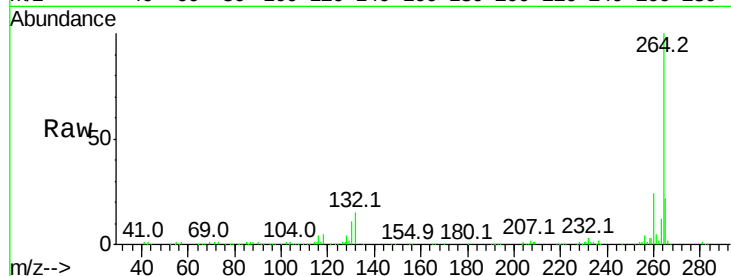




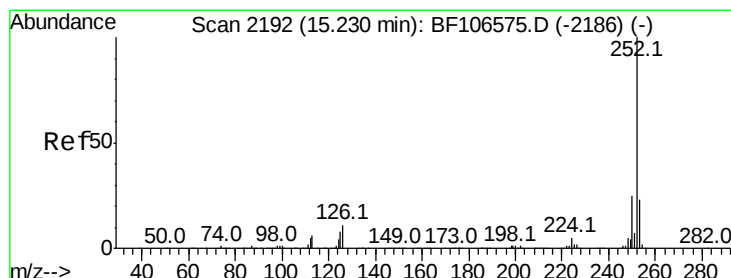
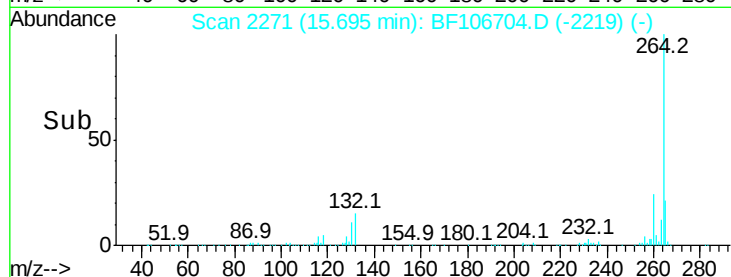
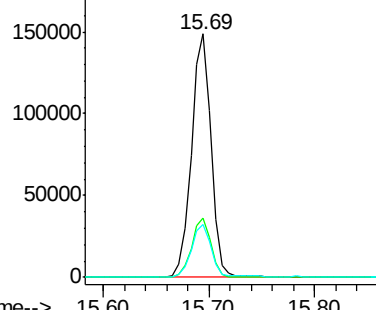
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF106704.D
Acq: 22 Jun 2018 13:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 192680
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.7 17.5 26.3

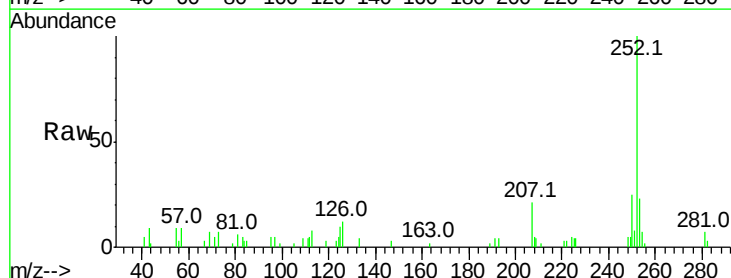


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

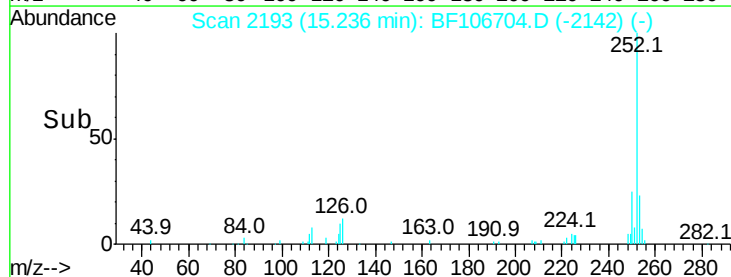
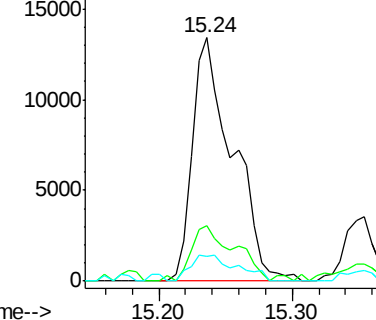


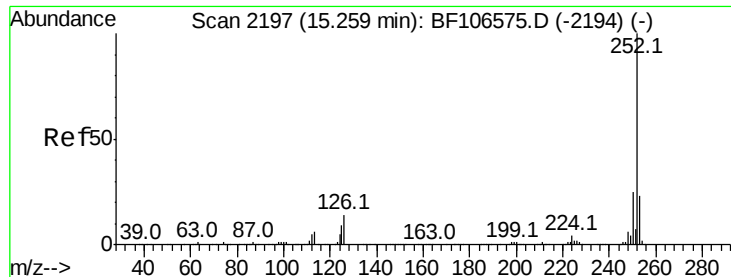
#87
Benzo(b)fluoranthene
Concen: 2.360 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.00 min
Lab File: BF106704.D
Acq: 22 Jun 2018 13:03

Tgt Ion:252 Resp: 28250
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.1 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: 2.478 ng

RT: 15.24 min Scan# 2193

Delta R.T. -0.03 min

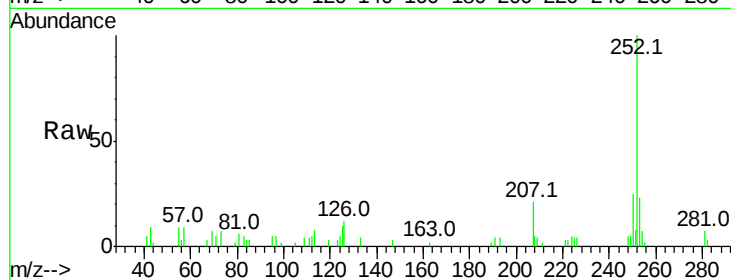
Lab File: BF106704.D

Acq: 22 Jun 2018 13:03

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	28250
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	10.1	10.2	15.2#

