

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107013.D
 Acq On : 30 Jun 2018 14:35
 Operator : JU/SJ
 Sample : J3600-02 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 04:05:15 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 29 14:38:29 2018
 Response via : Initial Calibration

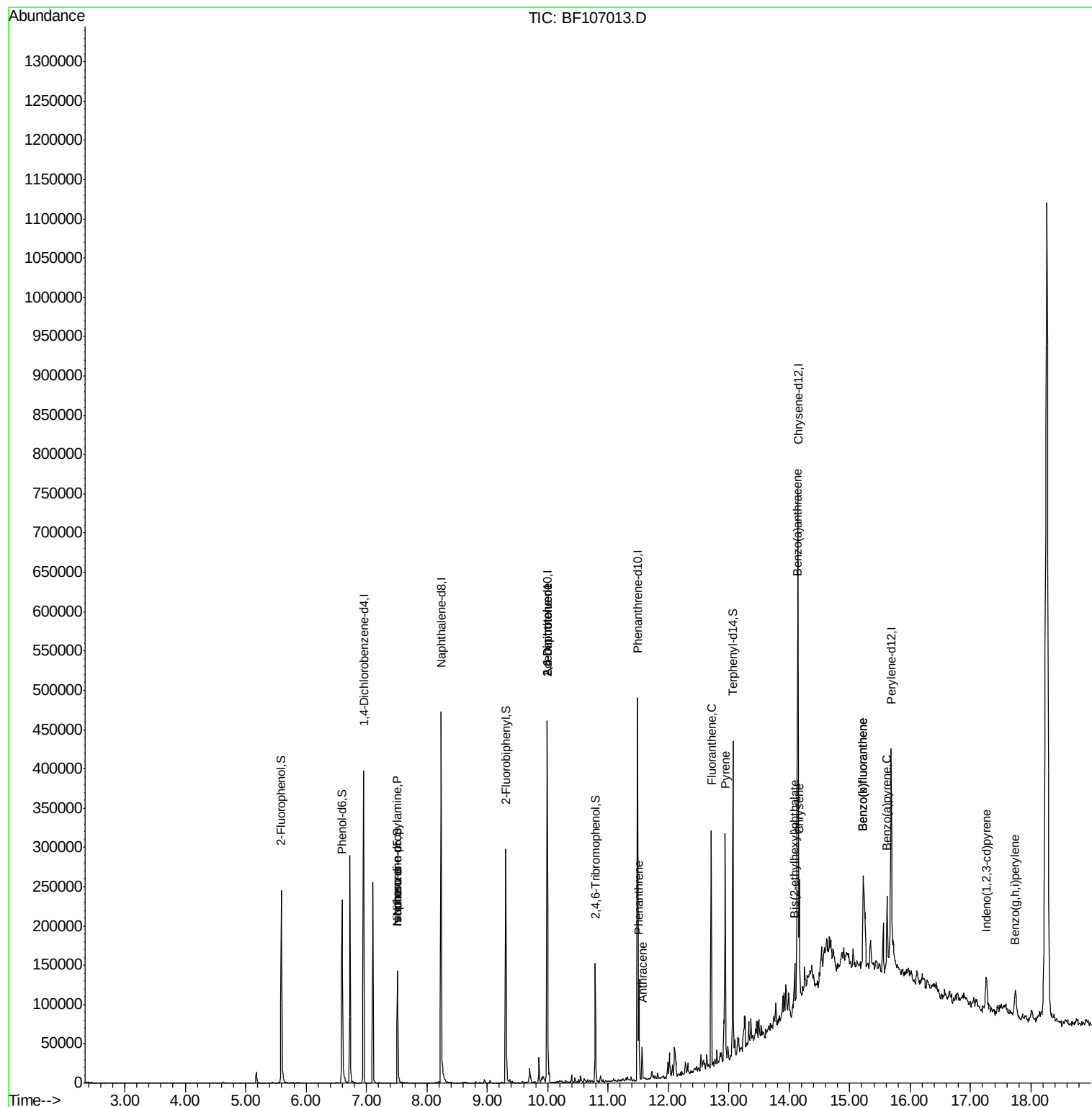
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	64230	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	232686	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	101448	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	193149	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	213547	20.00	ng	-0.02
86) Perylene-d12	15.69	264	147363	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	78486	20.69	ng	-0.01
7) Phenol-d6	6.60	99	93628	19.77	ng	-0.02
23) Nitrobenzene-d5	7.51	82	52603	12.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	21782	18.53	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	107838	3.92	ng	-0.02
78) Terphenyl-d14	13.07	244	127440	14.46	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	6684	2.141	ng	# 81
25) Isophorone	7.51	82	52603	7.130	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	12619	7.832	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	12619	6.000	ng	# 21
70) Phenanthrene	11.51	178	49055	5.266	ng	98
71) Anthracene	11.57	178	21433	2.254	ng	98
74) Fluoranthene	12.71	202	122707	11.950	ng	93
77) Pyrene	12.94	202	117843	8.368	ng	99
80) Benzo(a)anthracene	14.13	228	77117	5.925	ng	98
82) Chrysene	14.17	228	64720	5.405	ng	97
83) Bis(2-ethylhexyl)phthalate	14.09	149	16085	2.173	ng	95
85) Indeno(1,2,3-cd)pyrene	17.26	276	25723	2.531	ng	# 91
87) Benzo(b)fluoranthene	15.22	252	96177	10.506	ng	96
88) Benzo(k)fluoranthene	15.22	252	96177	11.033	ng	# 96
89) Benzo(a)pyrene	15.62	252	47417	5.827	ng	96
91) Benzo(g,h,i)perylene	17.74	276	29781	4.418	ng	# 87

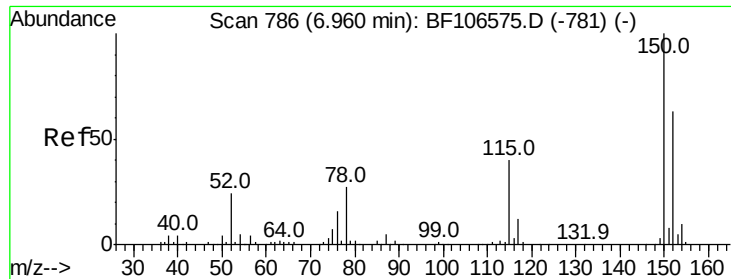
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
Data File : BF107013.D
Acq On : 30 Jun 2018 14:35
Operator : JU/SJ
Sample : J3600-02 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 02 04:05:15 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 29 14:38:29 2018
Response via : Initial Calibration



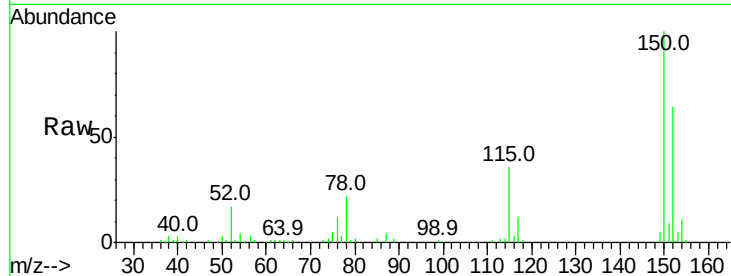


#1

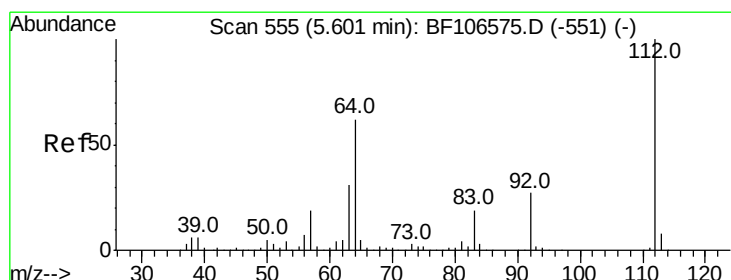
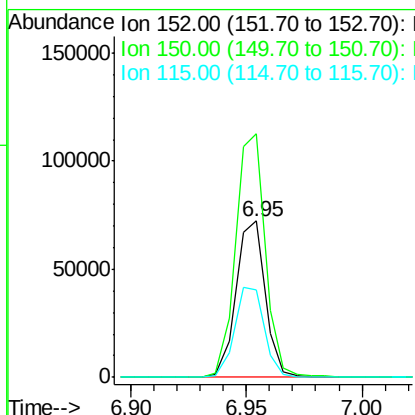
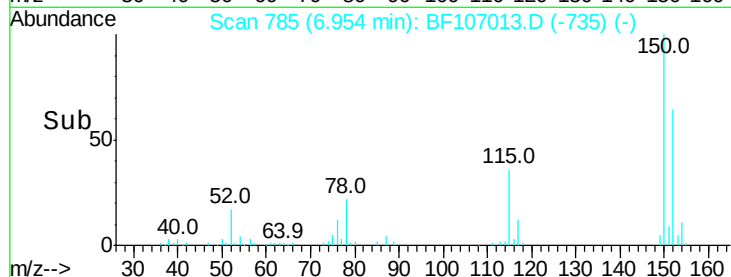
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 64230
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 56.0 50.1 75.1



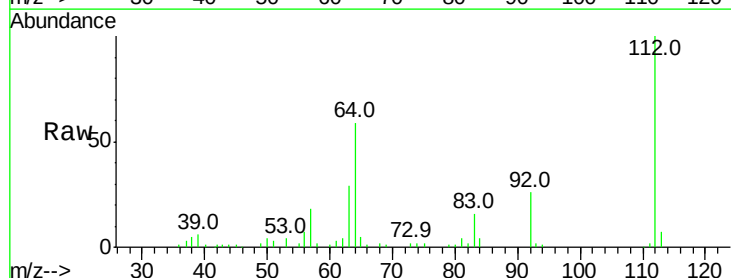
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



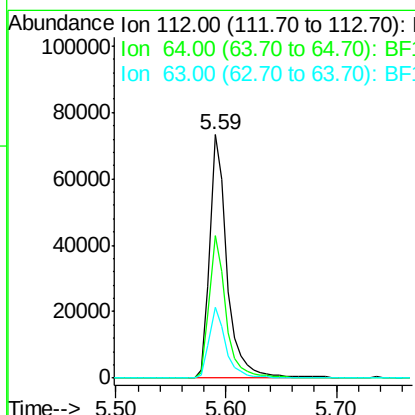
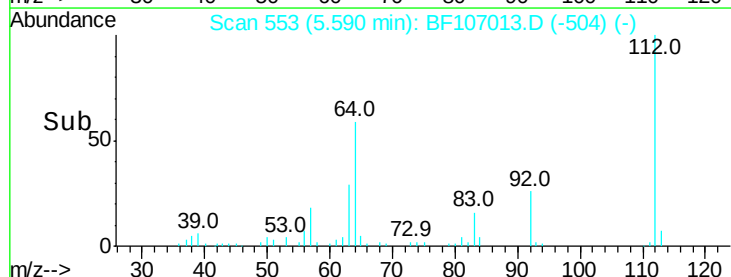
#5

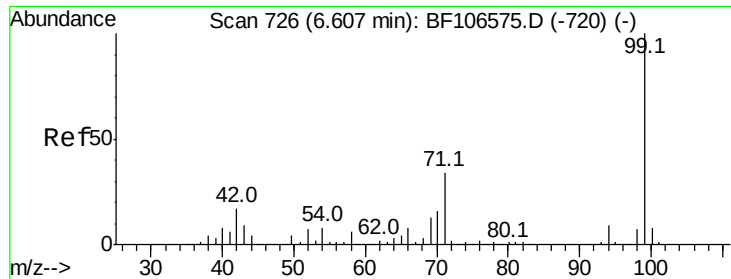
2-Fluorophenol
Concen: 20.692 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Tgt Ion:112 Resp: 78486
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 29.2 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: 19.766 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

ClientSampled :

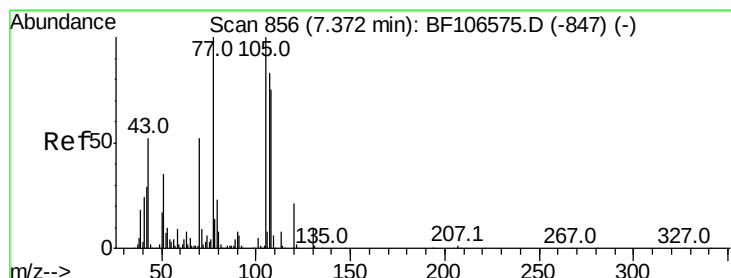
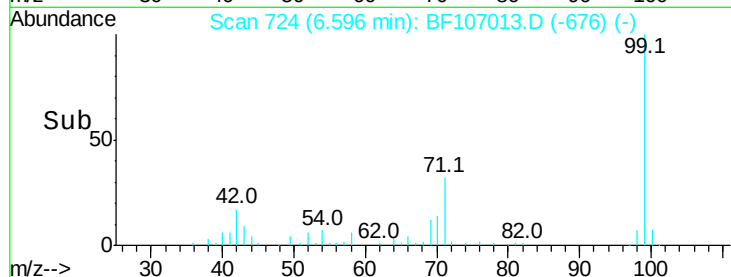
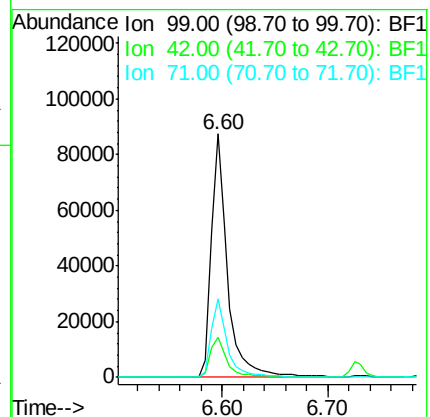
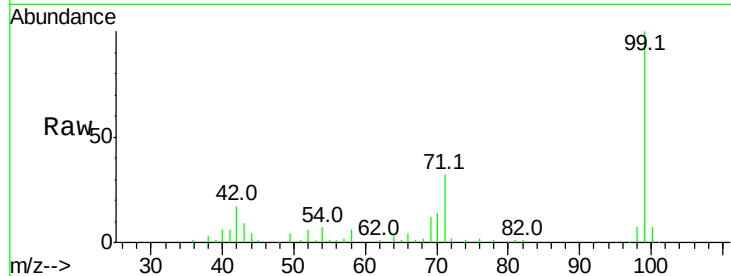
Tot Ion: 99 Resp: 93628

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

71 32.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.141 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Tgt Ion: 70 Resp: 6684

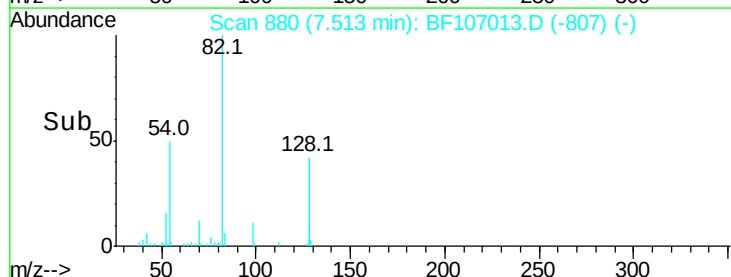
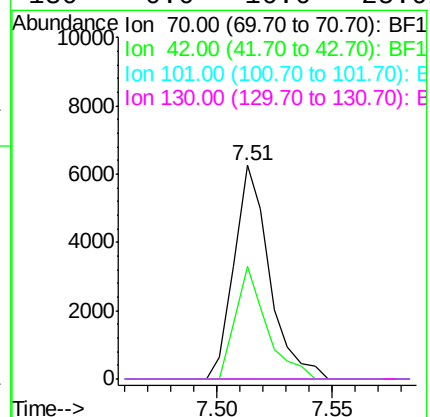
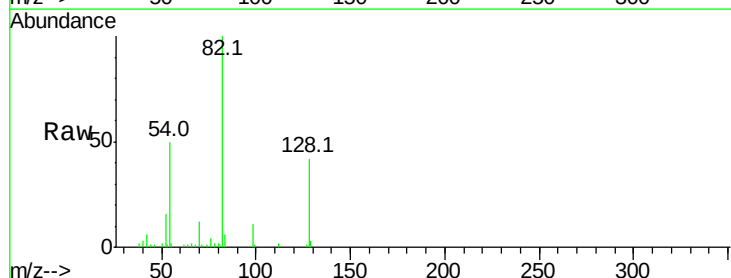
Ion Ratio Lower Upper

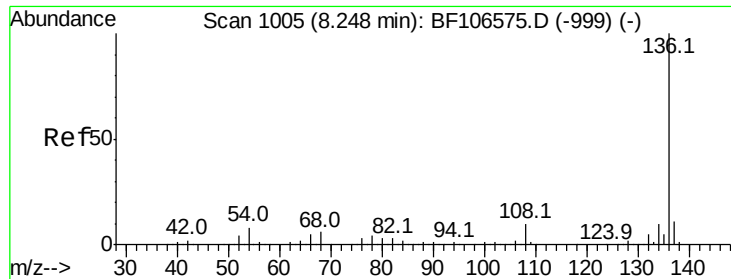
70 100

42 52.5 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

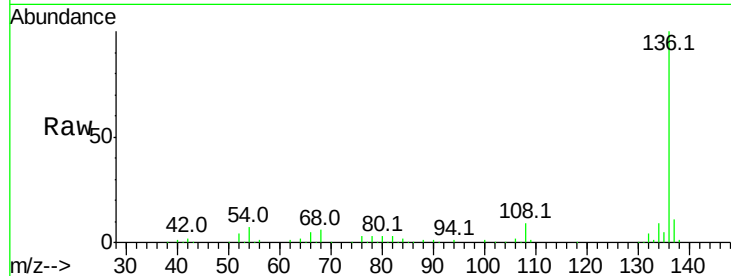




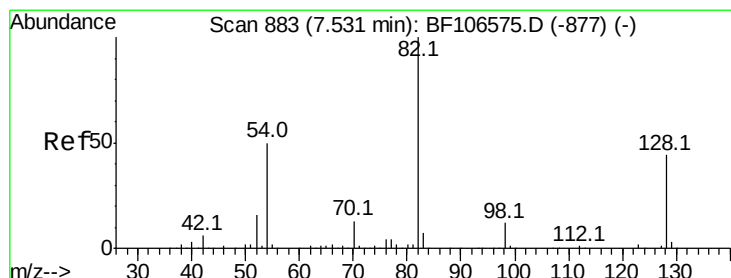
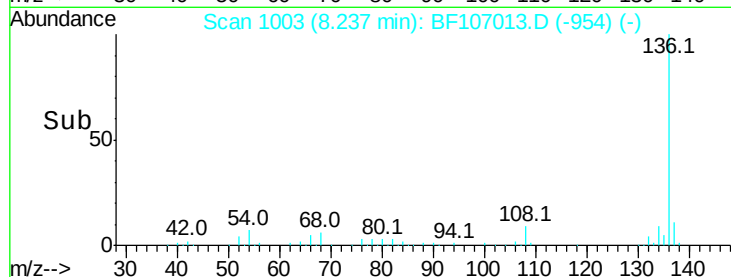
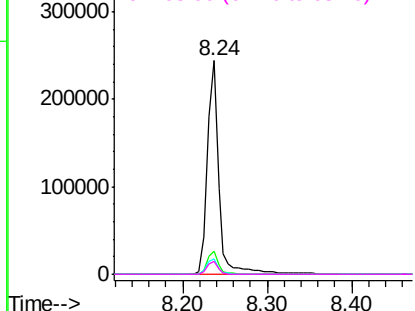
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	232686
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.3	6.6	9.8
68	5.7	5.0	7.4

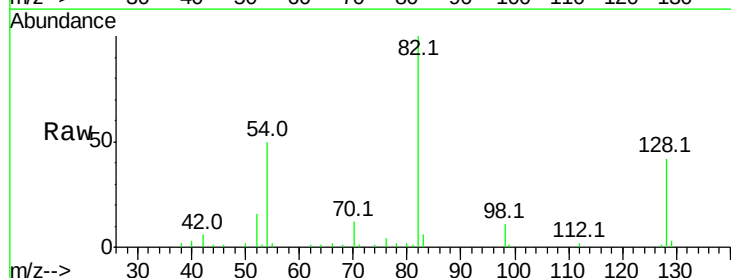


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

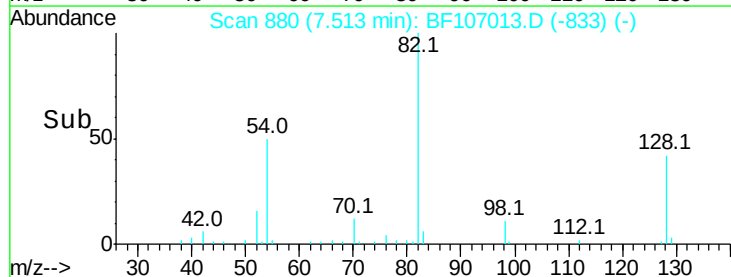
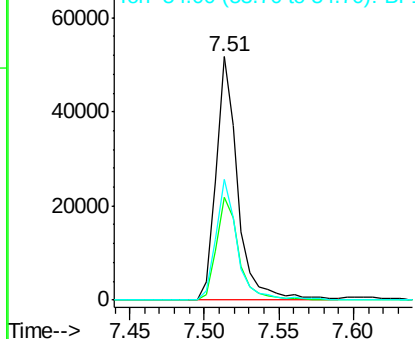


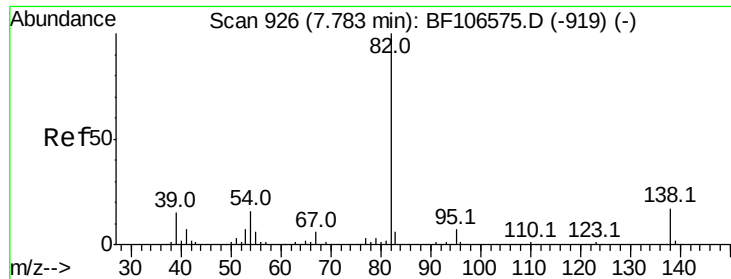
#23
Nitrobenzene-d5
Concen: 12.563 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107013.D
Acq: 30 Jun 2018 14:35

Tgt Ion:	82	Resp:	52603
Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.1	54.1
54	49.8	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: 7.130 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

ClientSampleId :

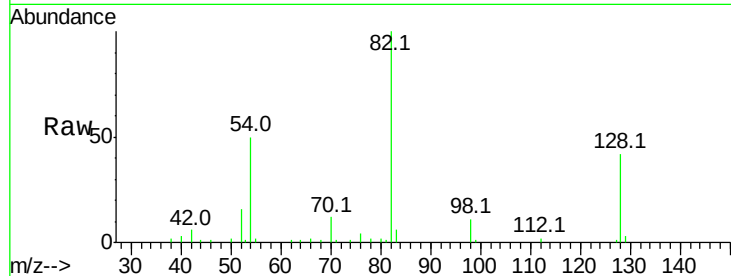
Tot Ion: 82 Resp: 52603

Ion Ratio Lower Upper

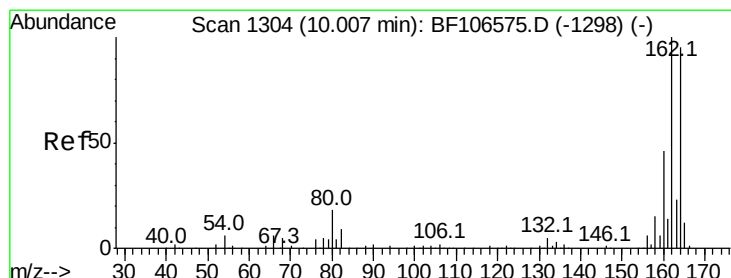
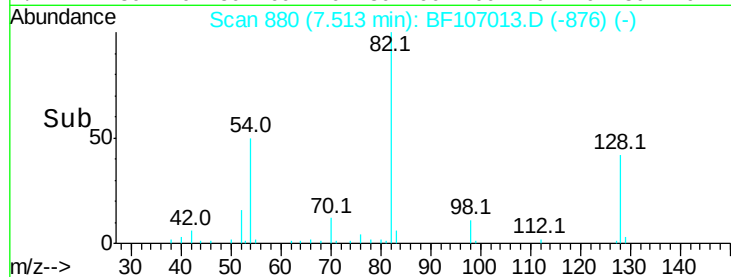
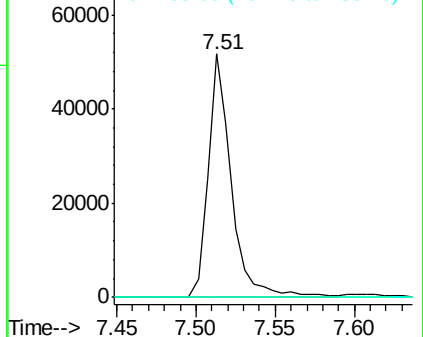
82 100

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# 1302

Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

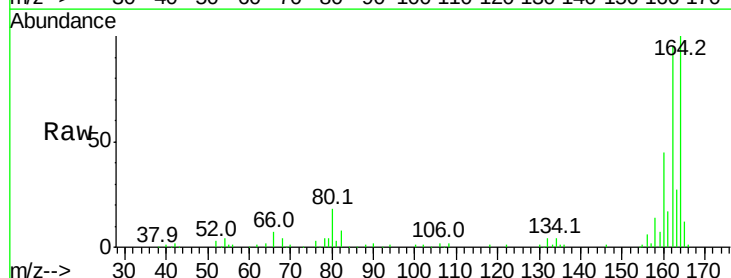
Tgt Ion:164 Resp: 101448

Ion Ratio Lower Upper

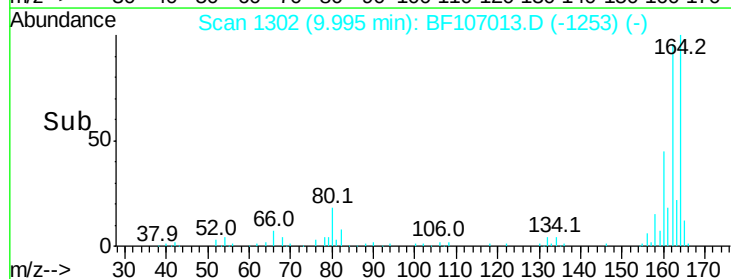
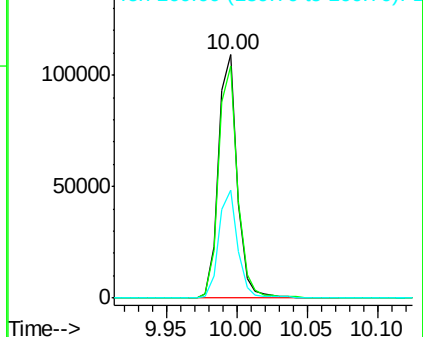
164 100

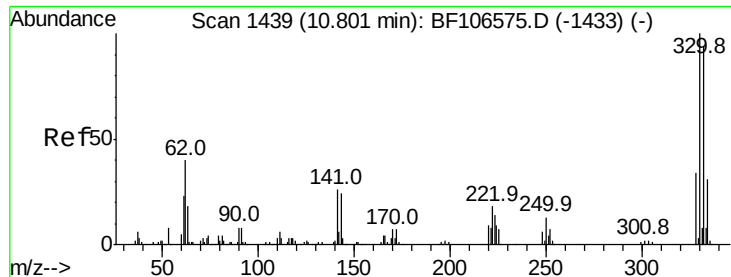
162 95.1 86.1 129.1

160 44.5 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

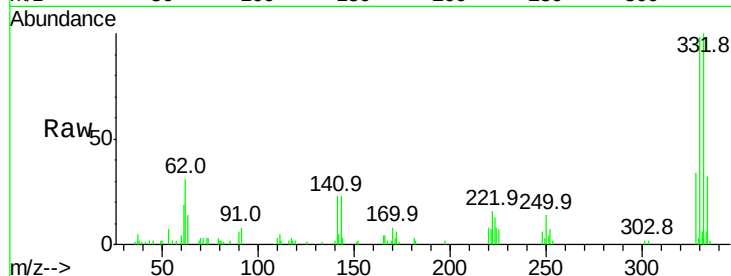




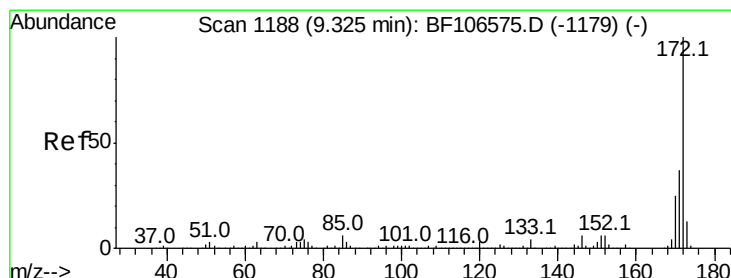
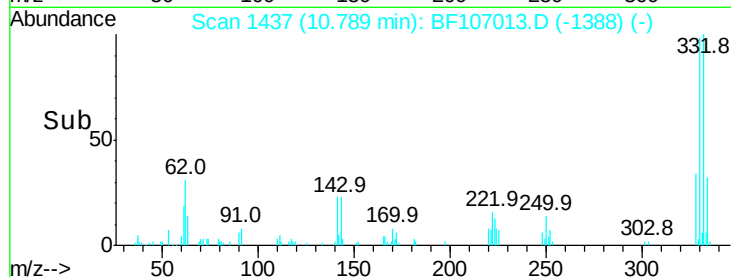
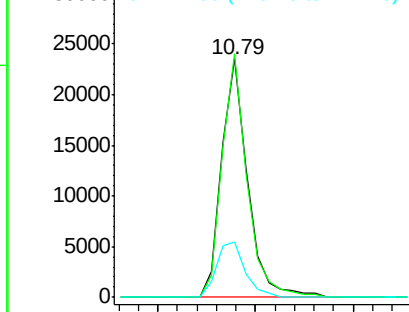
#41
 2,4,6-Tribromophenol
 Concen: 18.525 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 21782
 Ion Ratio Lower Upper
 330 100
 332 98.3 77.0 115.6
 141 25.4 29.9 44.9#

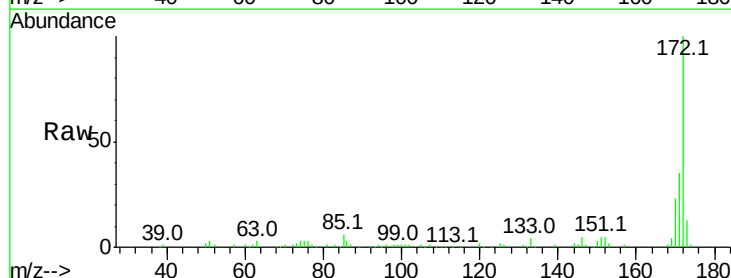


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

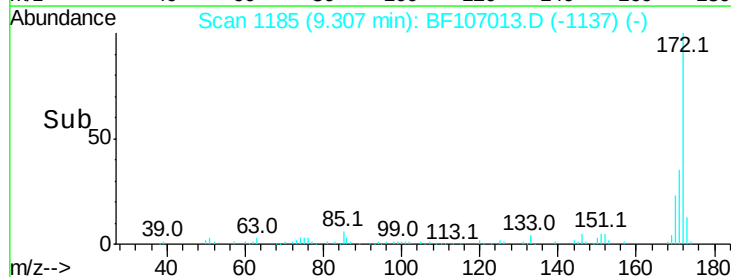
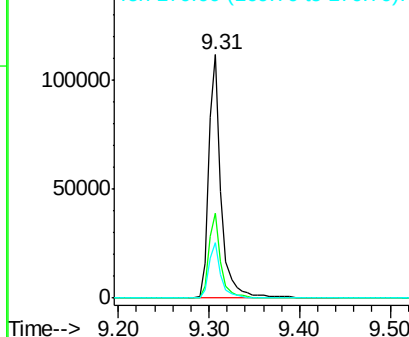


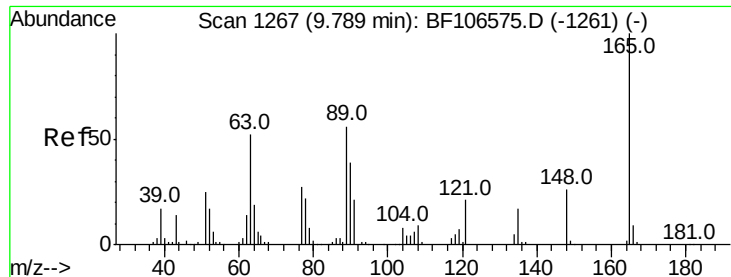
#44
 2-Fluorobiphenyl
 Concen: 3.922 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Tgt Ion:172 Resp: 107838
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 22.9 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

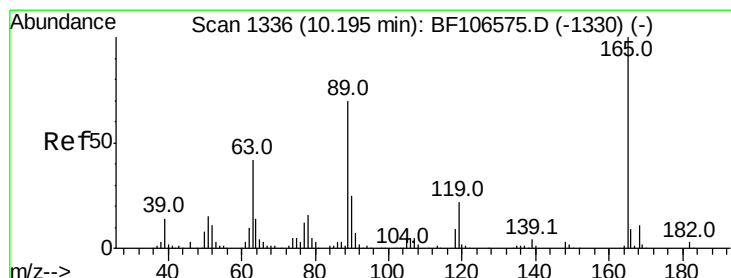
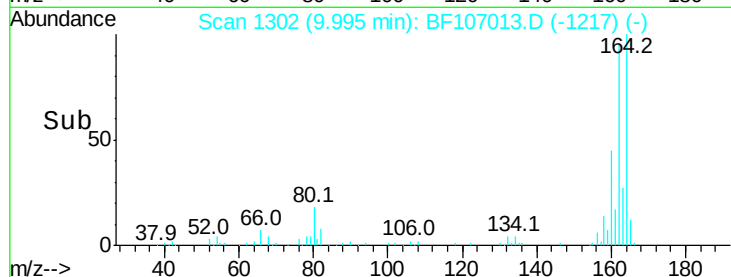
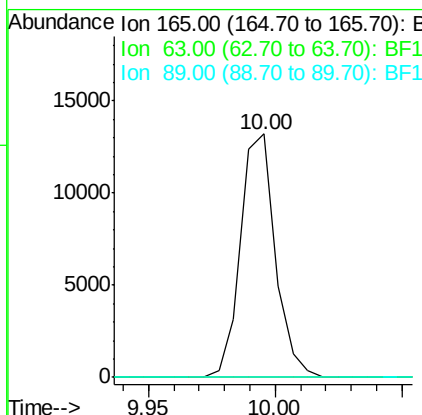
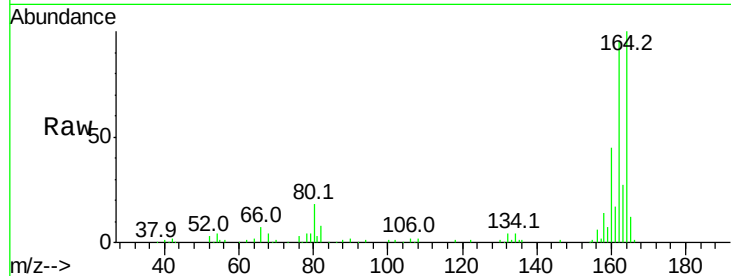




#50
 2,6-Dinitrotoluene
 Concen: 7.832 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

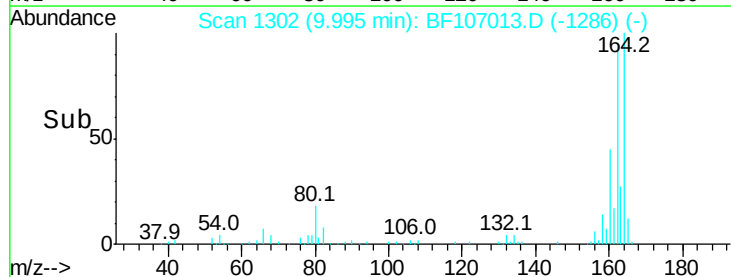
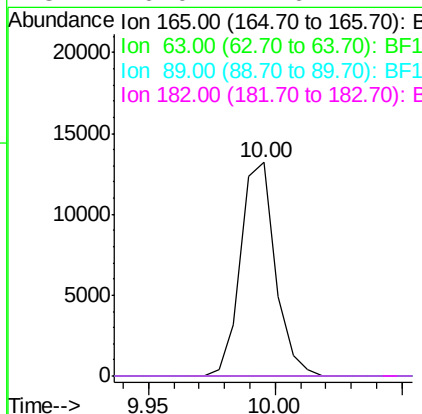
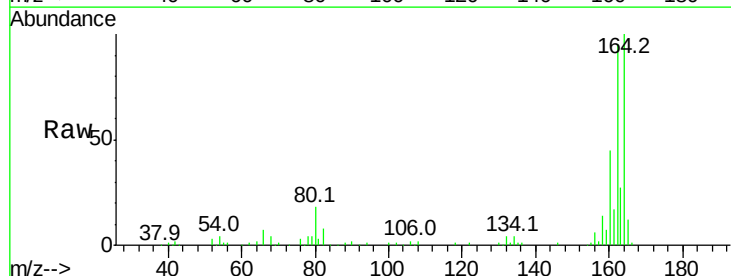
Instrument :
 BNA_F
 ClientSampleId :

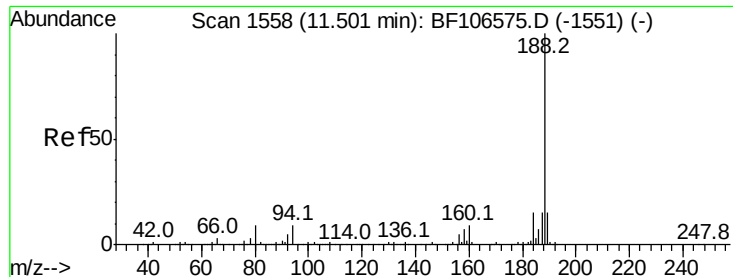
Tot Ion:	165	Resp:	12619
Ion Ratio	Lower	Upper	
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Tgt Ion:	165	Resp:	12619
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: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

ClientSampled :

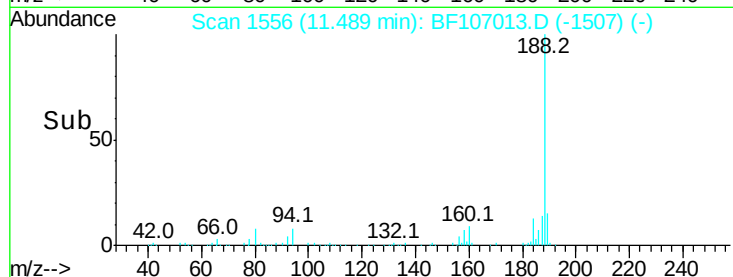
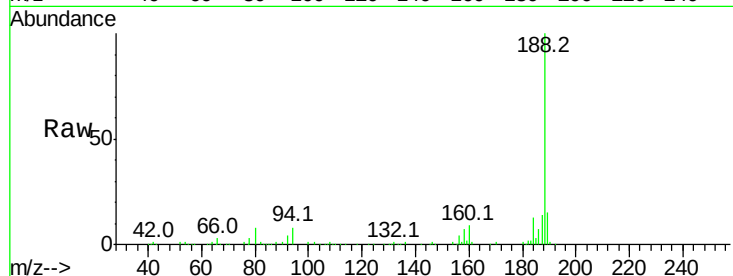
Tot Ion:188 Resp: 193149

Ion Ratio Lower Upper

188 100

94 7.8 8.5 12.7#

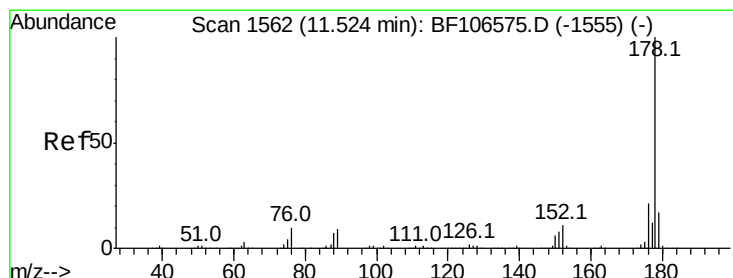
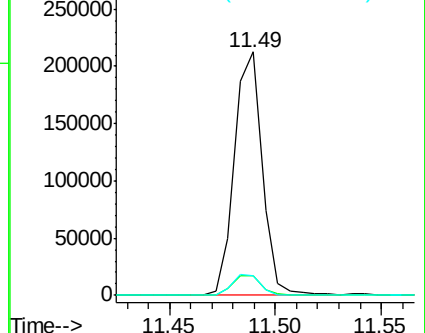
80 8.0 9.2 13.8#



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



#70

Phenanthrene

Concen: 5.266 ng

RT: 11.51 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

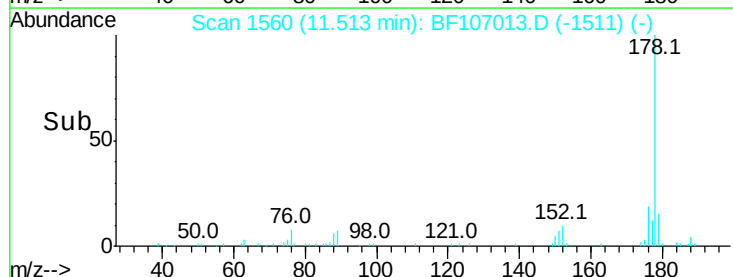
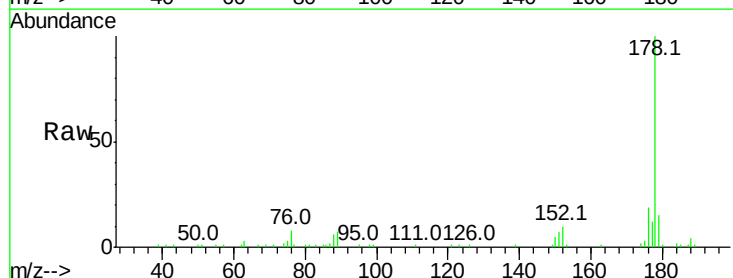
Tgt Ion:178 Resp: 49055

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

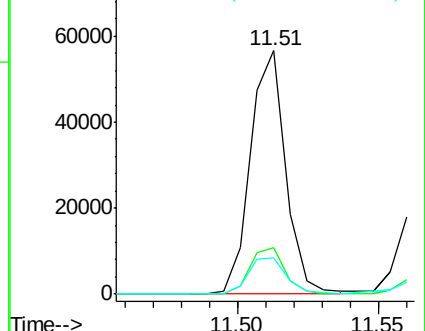
179 15.0 13.0 19.6

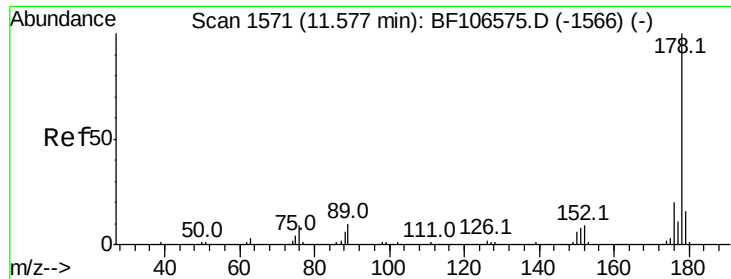


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.254 ng

RT: 11.57 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

ClientSampleId :

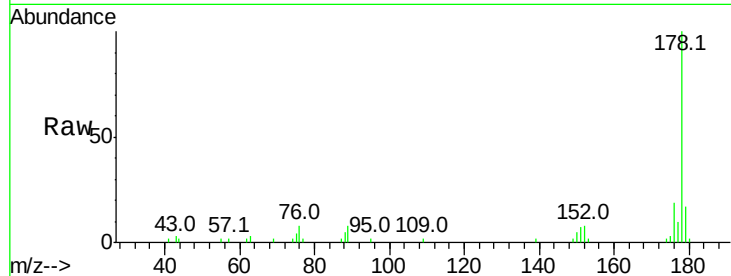
Tot Ion:178 Resp: 21433

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

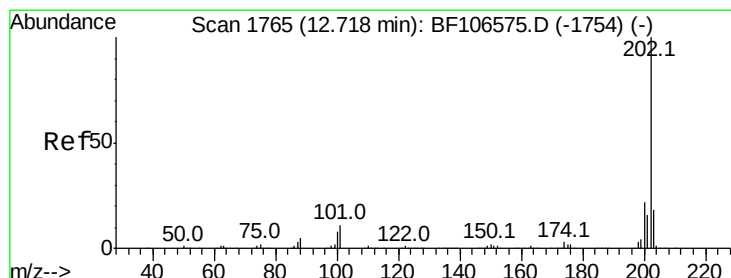
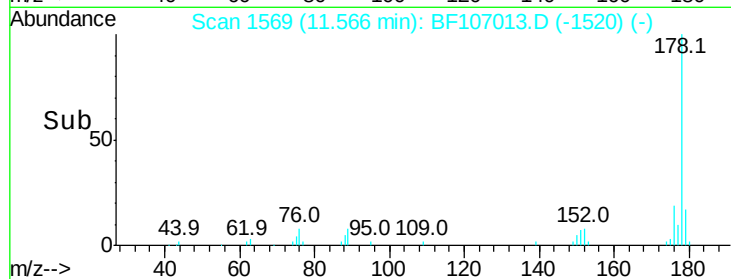
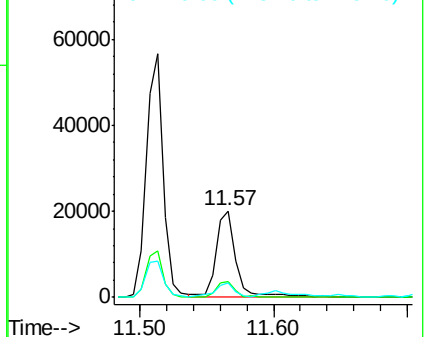
179 17.0 12.6 19.0



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: 11.950 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

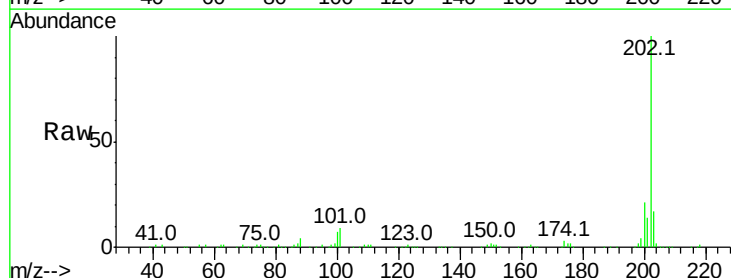
Tgt Ion:202 Resp: 122707

Ion Ratio Lower Upper

202 100

101 9.4 0.0 34.1

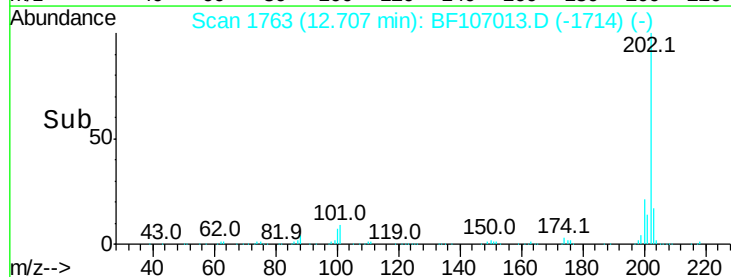
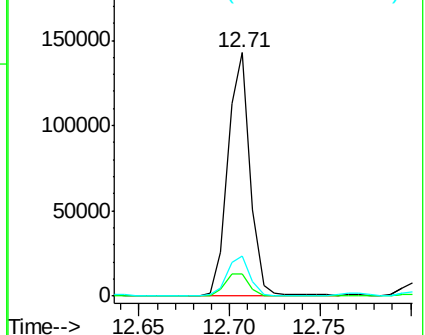
203 16.7 0.0 38.1

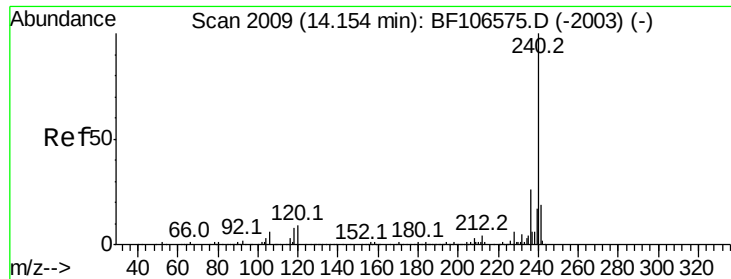


Abundance Ion 202.00 (201.70 to 202.70): E

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. -0.02 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

ClientSampleId :

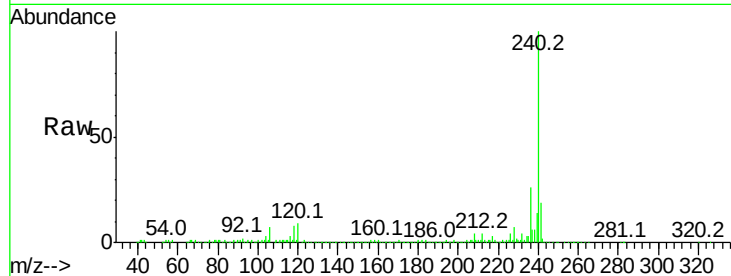
Tot Ion:240 Resp: 213547

Ion Ratio Lower Upper

240 100

120 9.0 9.5 14.3#

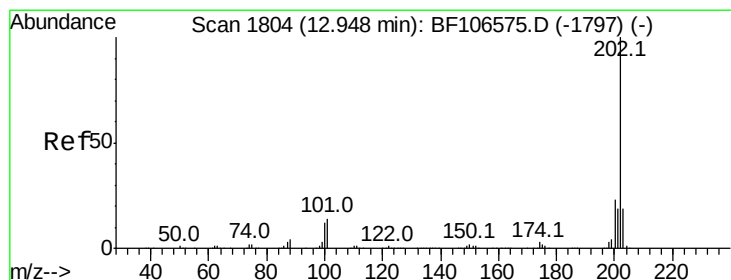
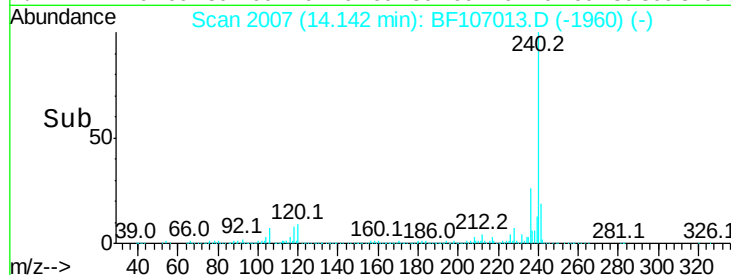
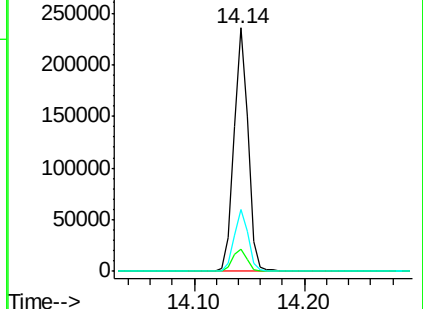
236 25.6 20.7 31.1



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: 8.368 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

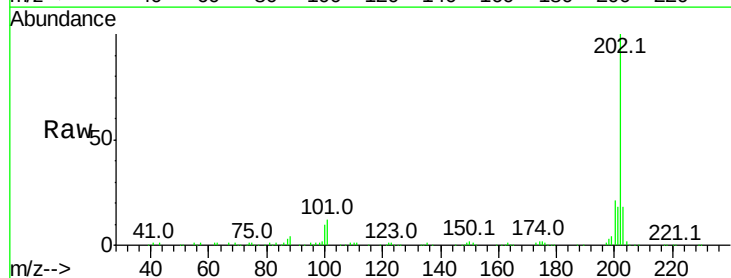
Tgt Ion:202 Resp: 117843

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

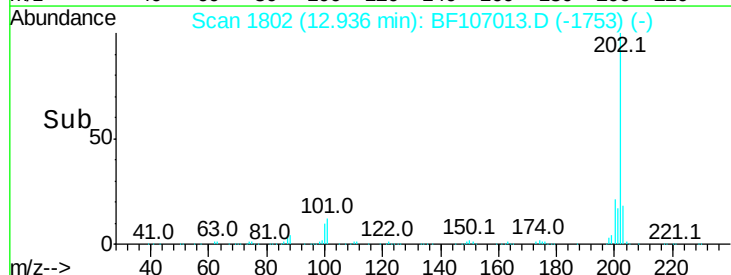
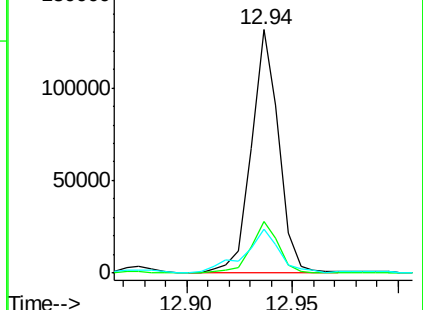
203 18.2 14.3 21.5

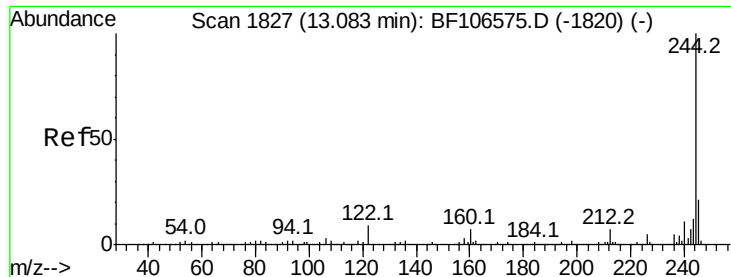


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

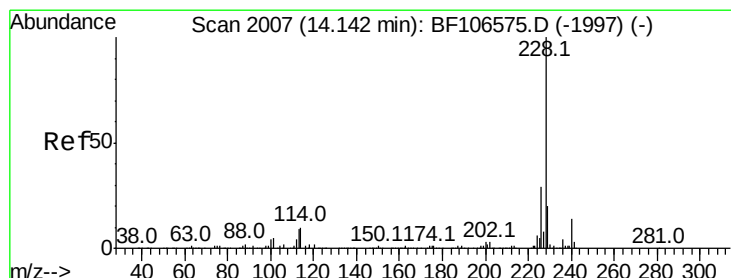
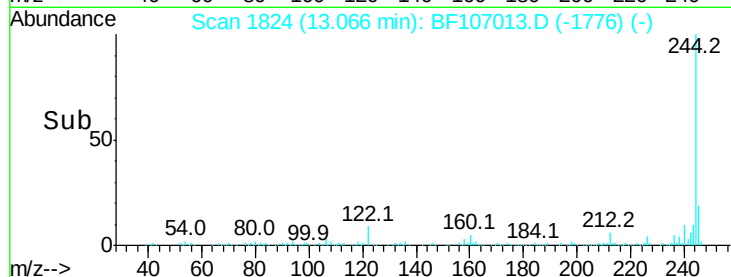
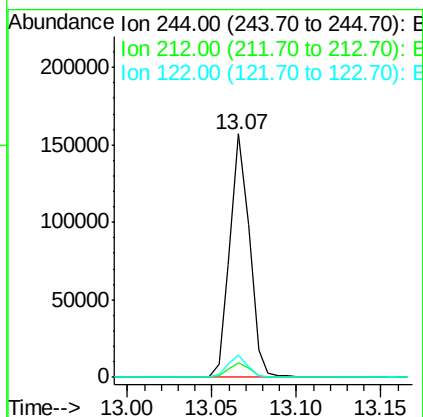
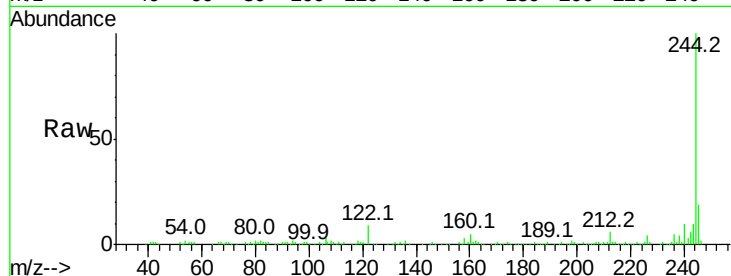




#78
 Terphenyl-d14
 Concen: 14.456 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

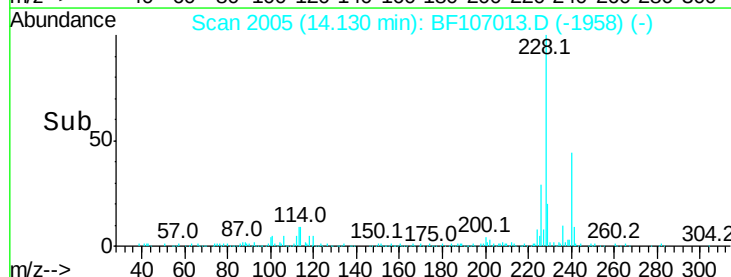
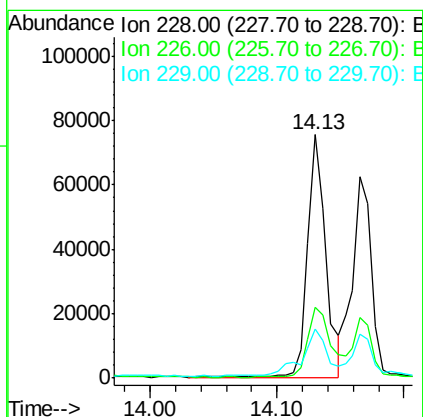
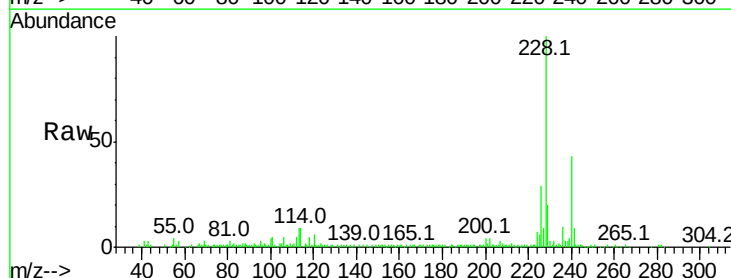
Instrument :
 BNA_F
 ClientSampleId :

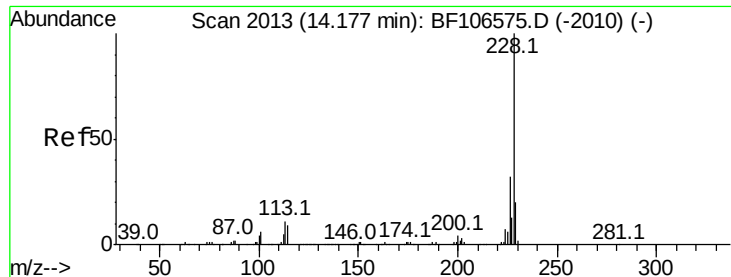
Tot Ion:244 Resp: 127440
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.4 8.0
 122 8.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.925 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Tgt Ion:228 Resp: 77117
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 33.8
 229 20.3 15.8 23.6





#82

Chrysene

Concen: 5.405 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

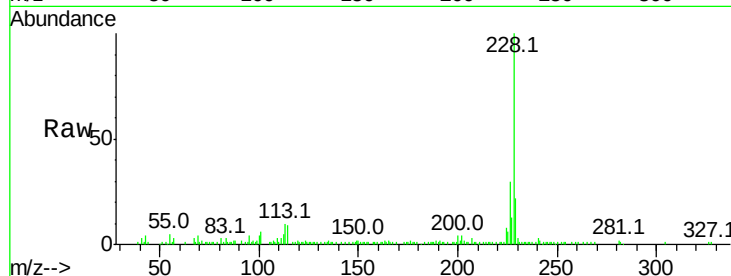
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 64720

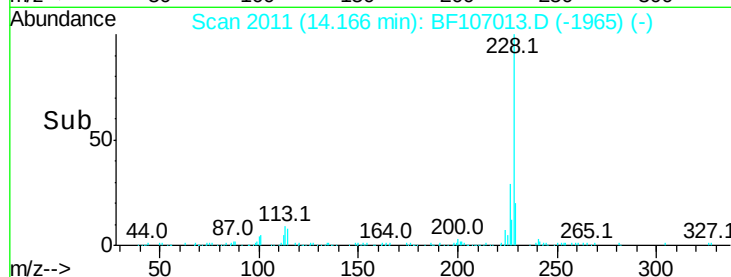
Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.1	16.2	24.4



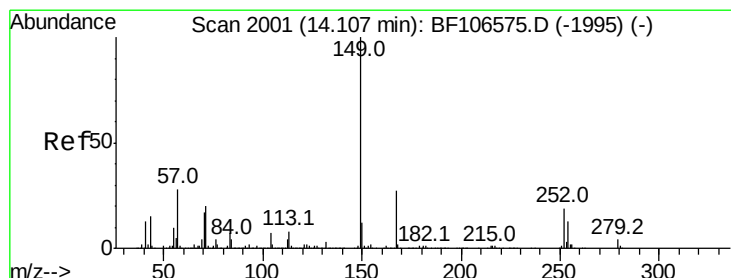
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.173 ng

RT: 14.09 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

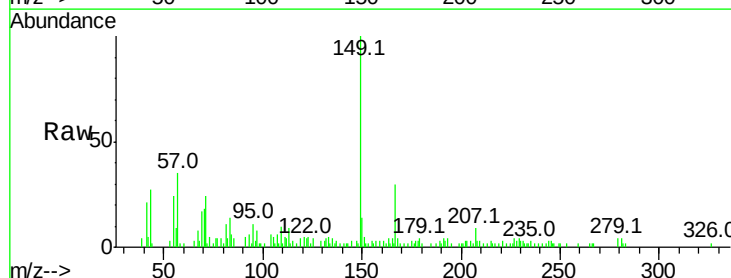
Tgt Ion:149 Resp: 16085

Ion	Ratio	Lower	Upper
149	100		
167	29.6	21.3	31.9
279	4.0	3.0	4.4

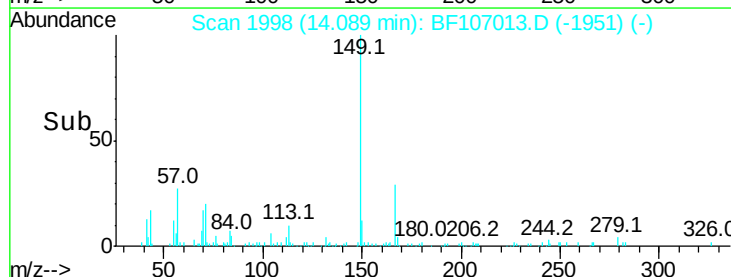
Abundance Ion 149.00 (148.70 to 149.70): E

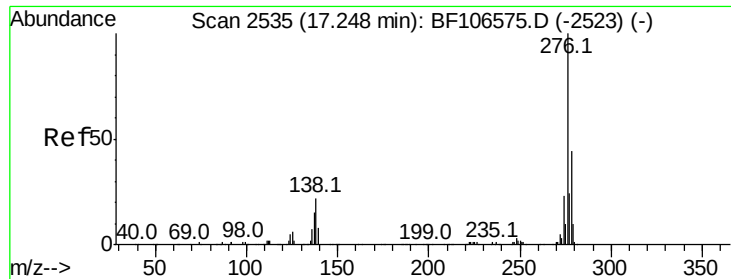
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

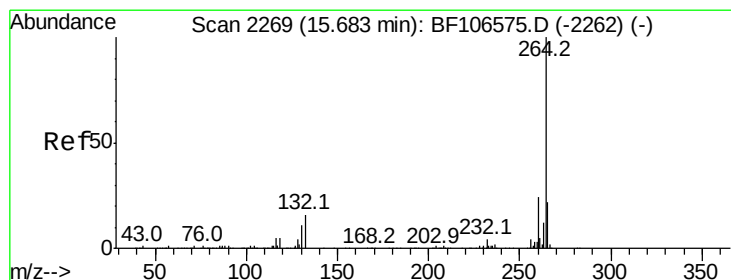
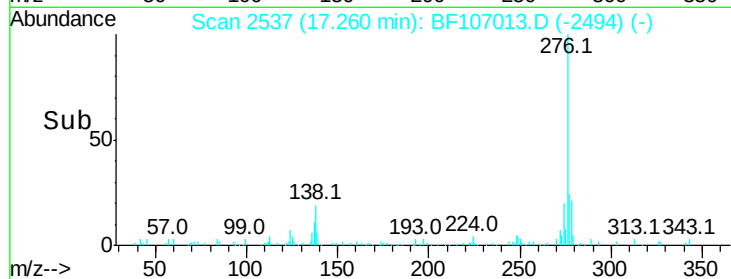
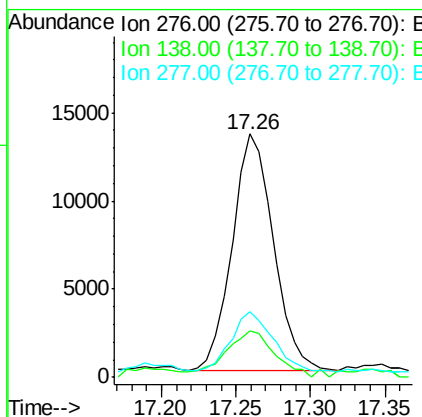
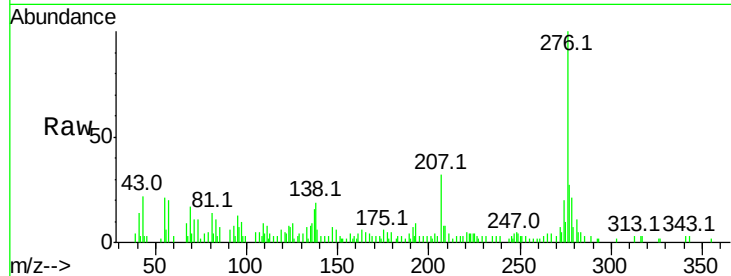




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.531 ng
 RT: 17.26 min Scan# 2537
 Delta R.T. -0.05 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

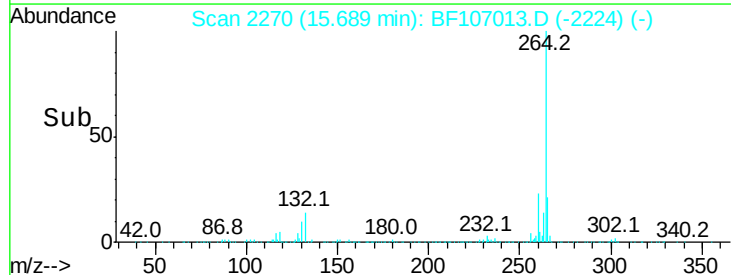
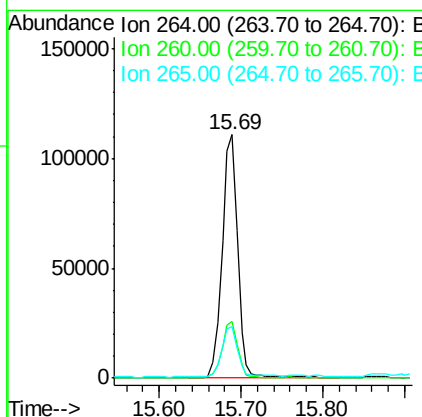
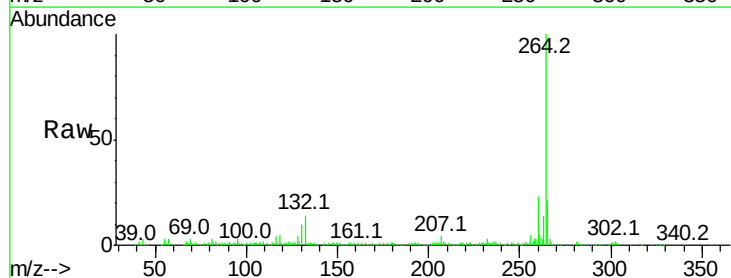
Instrument :
 BNA_F
 ClientSampleId :

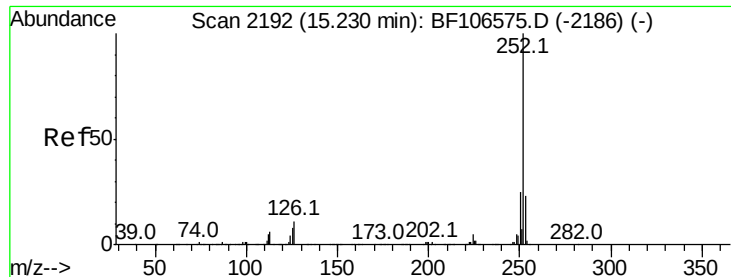
Tot Ion:276 Resp: 25723
 Ion Ratio Lower Upper
 276 100
 138 23.5 25.0 37.6#
 277 25.9 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2270
 Delta R.T. -0.03 min
 Lab File: BF107013.D
 Acq: 30 Jun 2018 14:35

Tgt Ion:264 Resp: 147363
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 10.506 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

ClientSampleId :

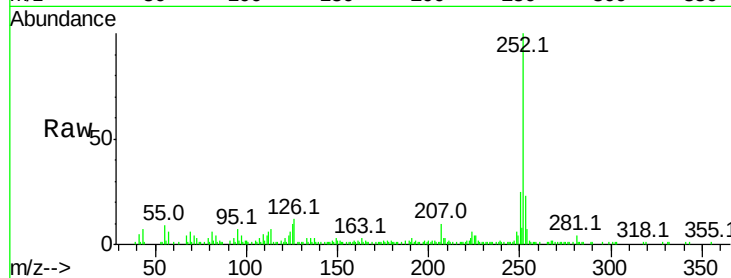
Tot Ion:252 Resp: 96177

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

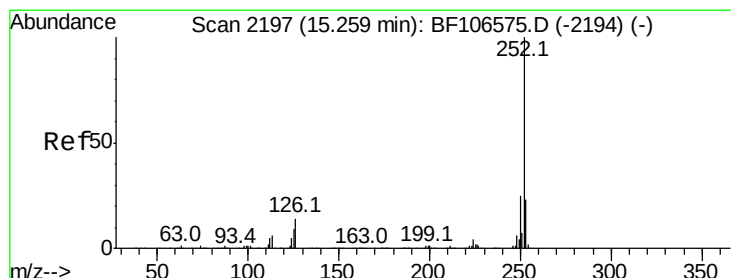
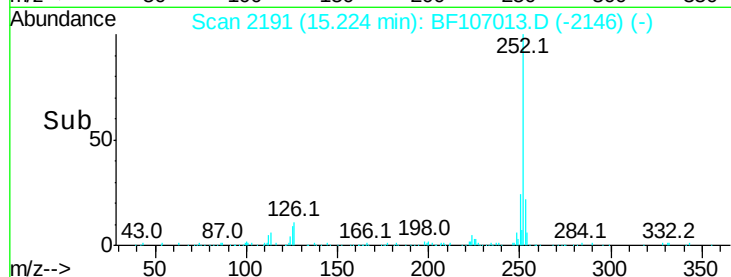
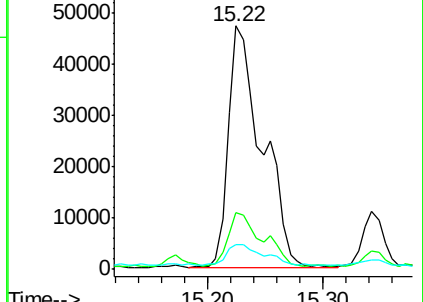
125 10.1 9.0 13.6



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: 11.033 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.07 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

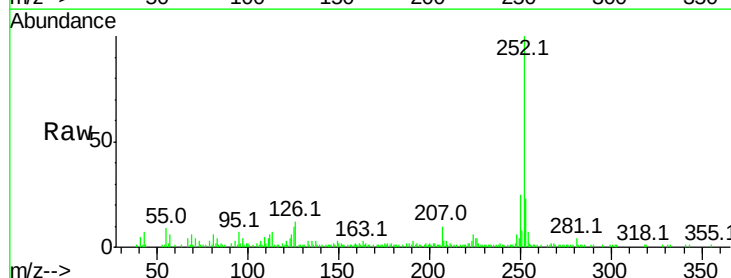
Tgt Ion:252 Resp: 96177

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

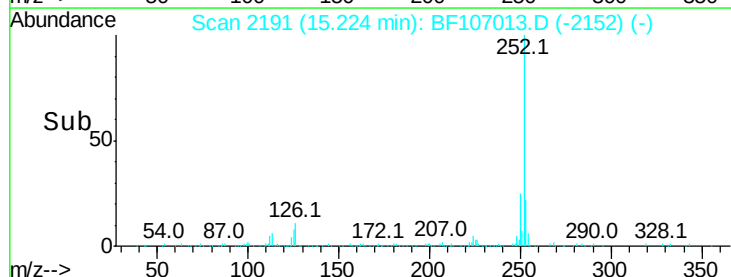
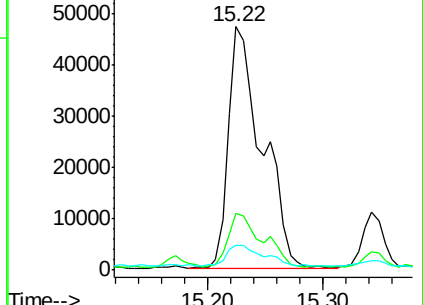
125 10.1 10.2 15.2#

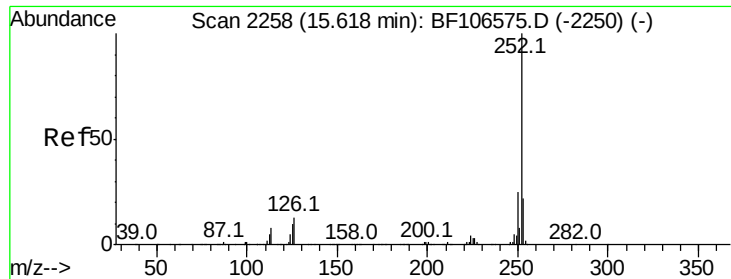


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.827 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.04 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

Instrument :

BNA_F

ClientSampleId :

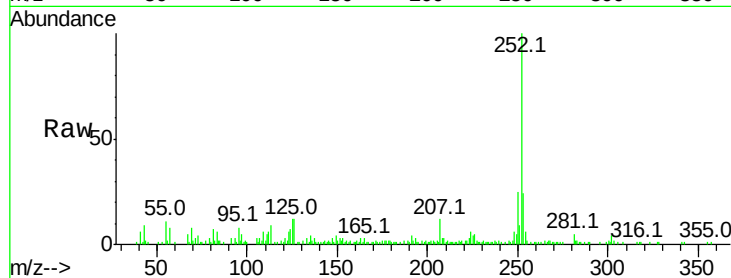
Tot Ion:252 Resp: 47417

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

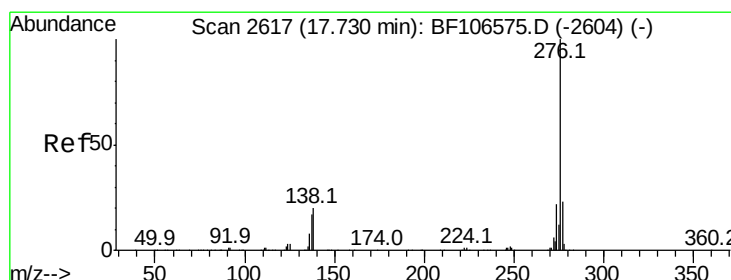
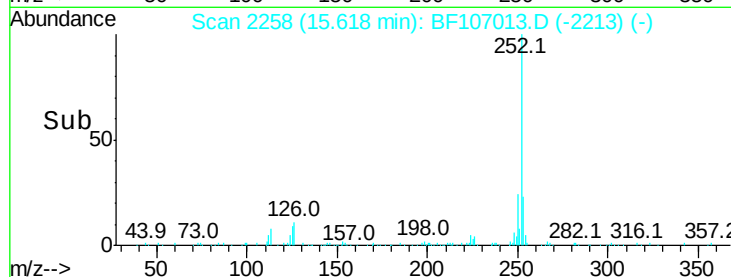
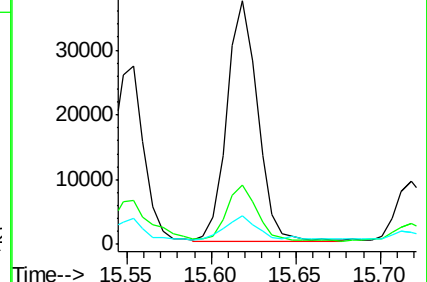
125 11.7 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 4.418 ng

RT: 17.74 min Scan# 2619

Delta R.T. -0.05 min

Lab File: BF107013.D

Acq: 30 Jun 2018 14:35

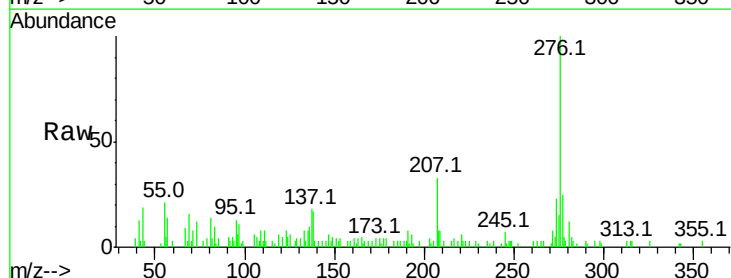
Tgt Ion:276 Resp: 29781

Ion Ratio Lower Upper

276 100

277 24.9 17.9 26.9

138 16.7 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

