

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070318\
 Data File : BF107074.D
 Acq On : 3 Jul 2018 11:33
 Operator : JU/SJ
 Sample : J3600-02 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DOCUMENTATION-2

Quant Time: Jul 03 12:15:27 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	68369	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	263443	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	125175	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	215468	20.00	ng	0.00
75) Chrysene-d12	14.15	240	197870	20.00	ng	-0.01
86) Perylene-d12	15.70	264	169680	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	184763	45.76	ng	0.00
7) Phenol-d6	6.60	99	226539	44.93	ng	-0.01
23) Nitrobenzene-d5	7.52	82	137832	29.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	49895	34.39	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	280381	28.03	ng	-0.02
78) Terphenyl-d14	13.07	244	261488	32.01	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	17735	5.336	ng	# 76
25) Isophorone	7.52	82	137830	16.500	ng	# 64
32) Benzoic acid	8.00	122	2085	6.446	ng	# 75
48) Acenaphthylene	9.86	152	35043	2.827	ng	99
49) Dimethylphthalate	9.70	163	27963	2.979	ng	# 98
50) 2,6-Dinitrotoluene	10.00	165	16513	8.306	ng	# 24
70) Phenanthrene	11.52	178	128029	12.319	ng	98
71) Anthracene	11.57	178	43742	4.124	ng	99
74) Fluoranthene	12.71	202	257751	22.502	ng	95
77) Pyrene	12.95	202	251307	19.260	ng	99
80) Benzo(a)anthracene	14.14	228	151125	12.531	ng	95
82) Chrysene	14.18	228	133336	12.018	ng	97
83) Bis(2-ethylhexyl)phthalate	14.10	149	32023	4.669	ng	# 97
87) Benzo(b)fluoranthene	15.24	252	249618	23.682	ng	97
88) Benzo(k)fluoranthene	15.35	252	36858	3.672	ng	95
89) Benzo(a)pyrene	15.57	252	91127	9.725	ng	98
91) Benzo(g,h,i)perylene	17.78	276	72348	9.321	ng	# 87

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

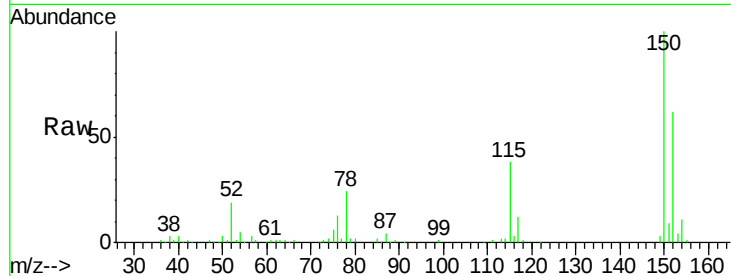


#1

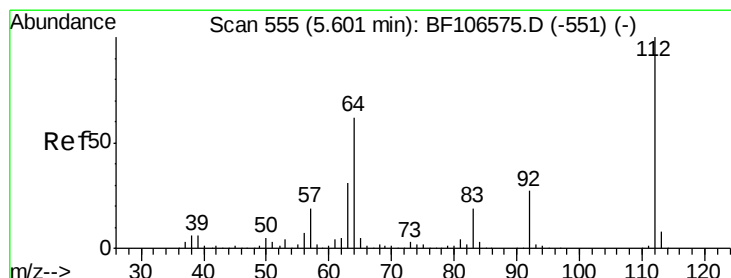
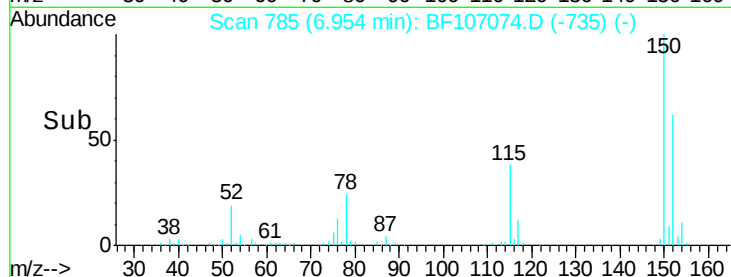
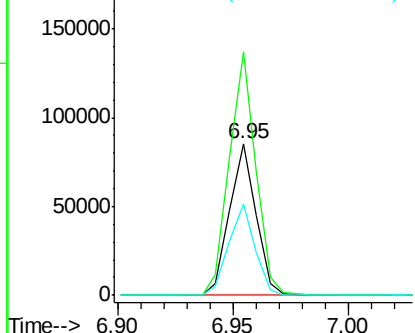
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Instrument :
BNA_G
ClientSampleId :
DOCUMENTATION-2

Tgt Ion:152 Resp: 68369
Ion Ratio Lower Upper
152 100
150 160.2 124.6 186.8
115 60.5 50.1 75.1



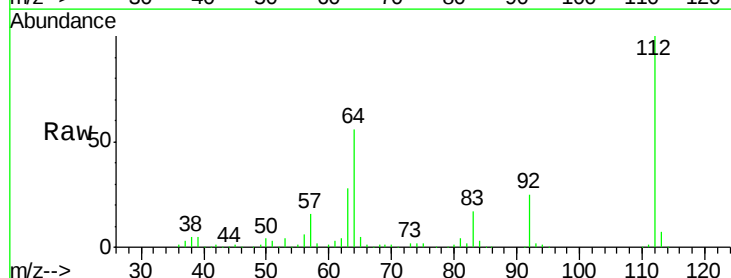
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



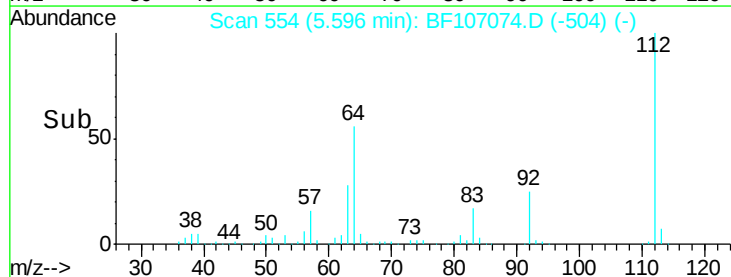
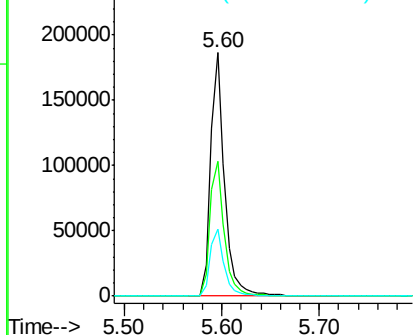
#5

2-Fluorophenol
Concen: 45.761 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion:112 Resp: 184763
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 27.6 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: 44.929 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

DOCUMENTATION-2

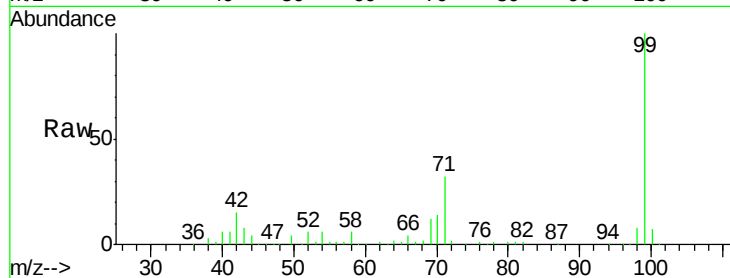
Tgt Ion: 99 Resp: 226539

Ion Ratio Lower Upper

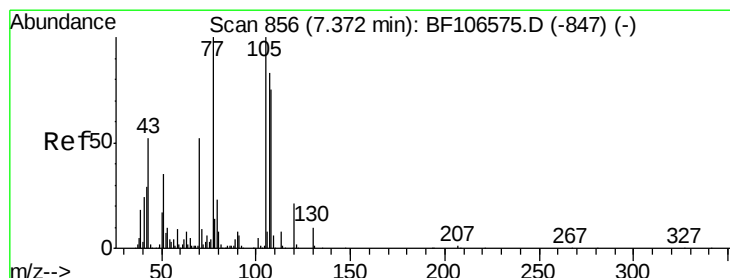
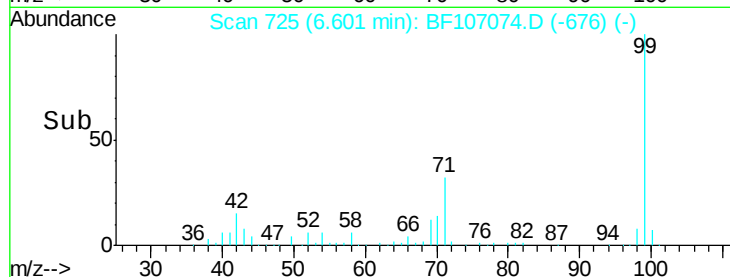
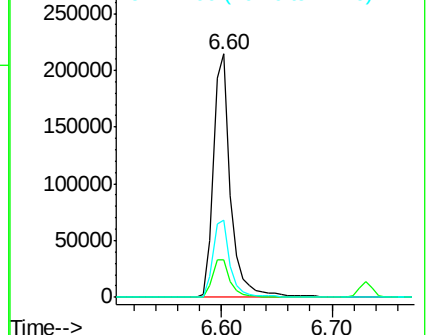
99 100

42 15.5 14.5 21.7

71 31.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.336 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Tgt Ion: 70 Resp: 17735

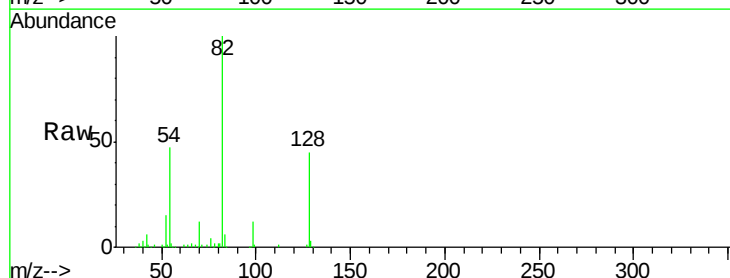
Ion Ratio Lower Upper

70 100

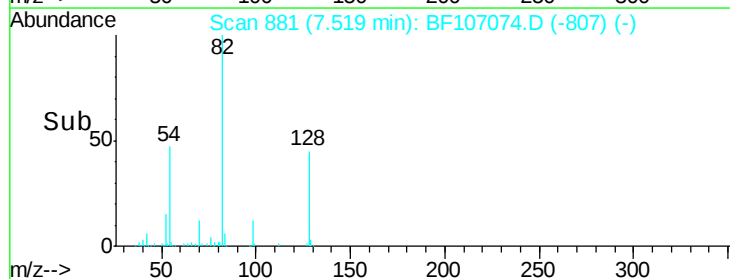
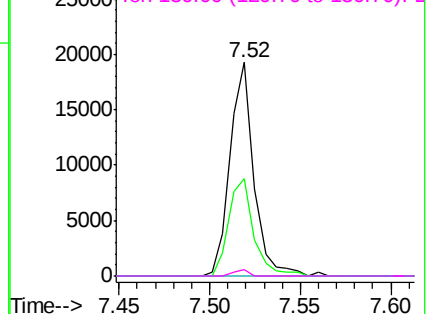
42 45.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 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

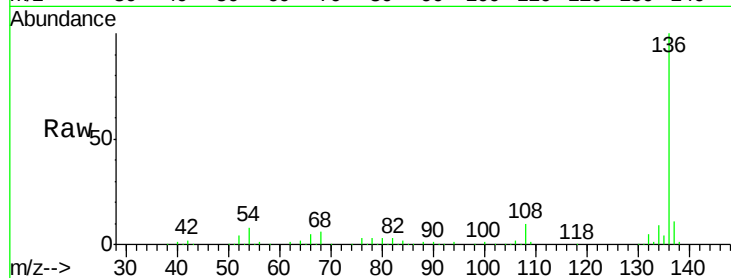




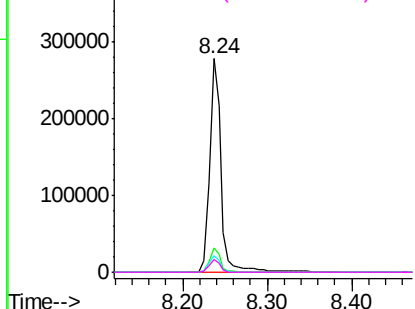
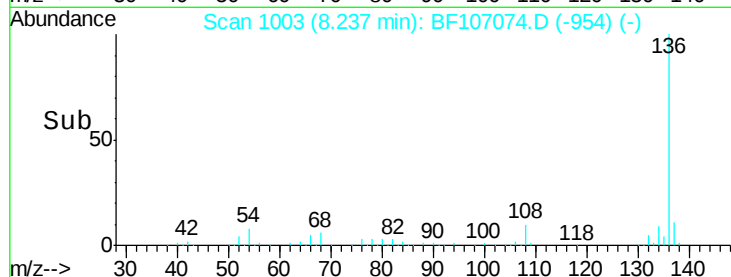
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Instrument :
BNA_G
ClientSampleId :
DOCUMENTATION-2

Tgt Ion: 136 Resp: 263443
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.0 6.6 9.8
68 6.2 5.0 7.4

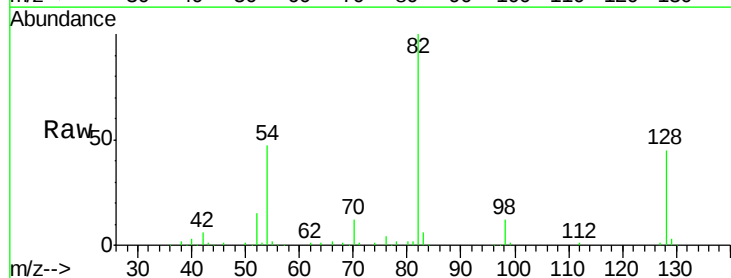


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

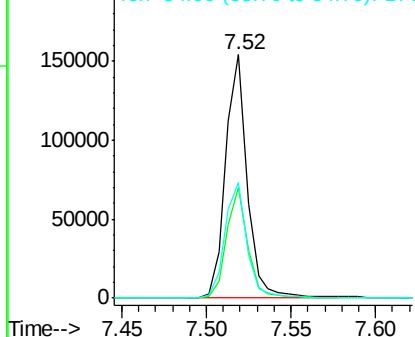
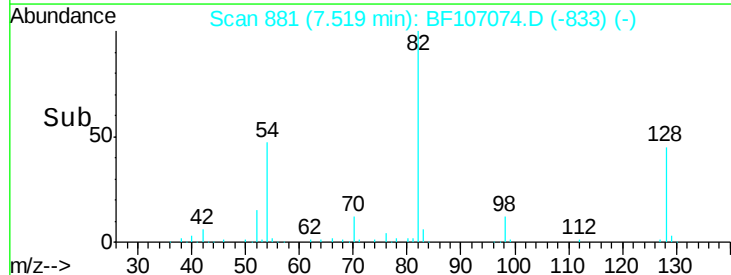


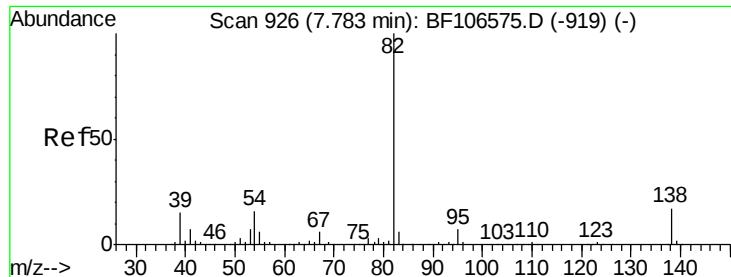
#23
Nitrobenzene-d5
Concen: 29.076 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion: 82 Resp: 137832
Ion Ratio Lower Upper
82 100
128 45.2 36.1 54.1
54 47.4 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: 16.500 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

DOCUMENTATION-2

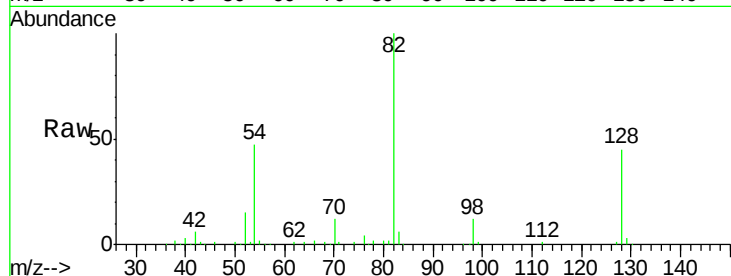
Tgt Ion: 82 Resp: 137830

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

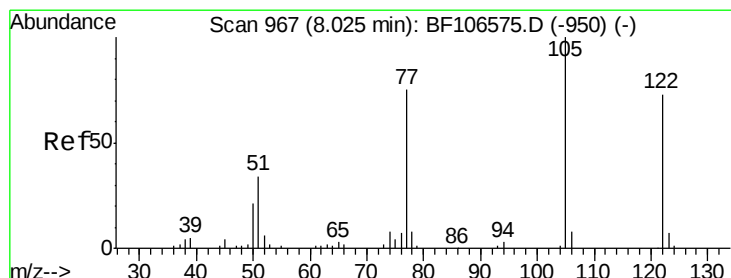
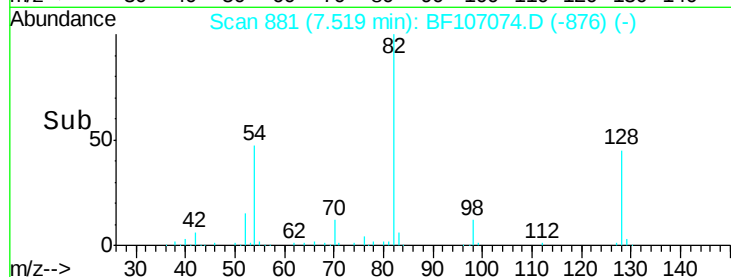
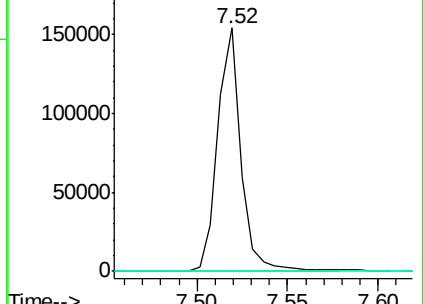
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.446 ng

RT: 8.00 min Scan# 962

Delta R.T. -0.05 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

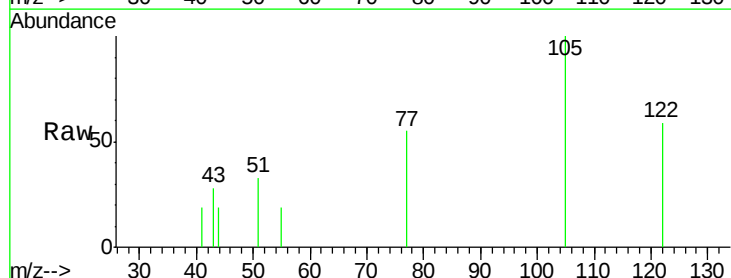
Tgt Ion: 122 Resp: 2085

Ion Ratio Lower Upper

122 100

105 168.8 101.1 141.1#

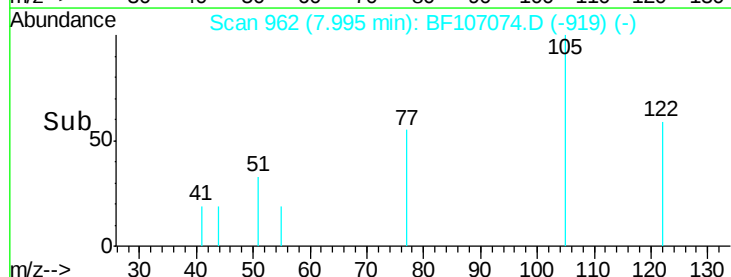
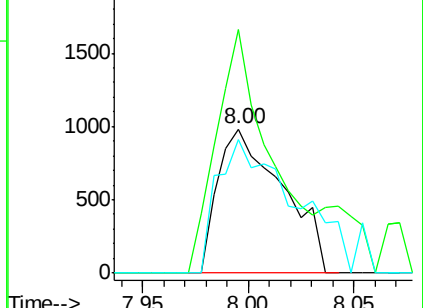
77 92.8 70.7 110.7

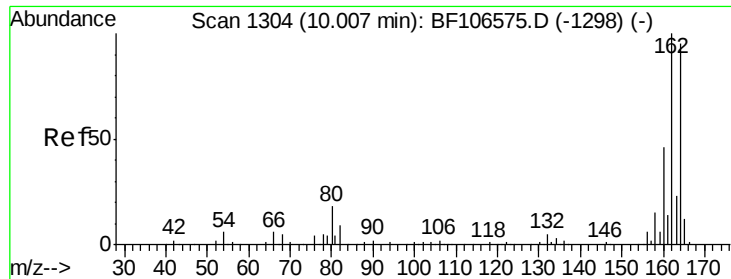


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

DOCUMENTATION-2

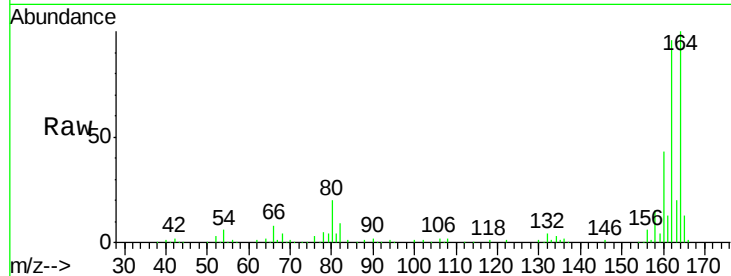
Tgt Ion:164 Resp: 125175

Ion Ratio Lower Upper

164 100

162 96.0 86.1 129.1

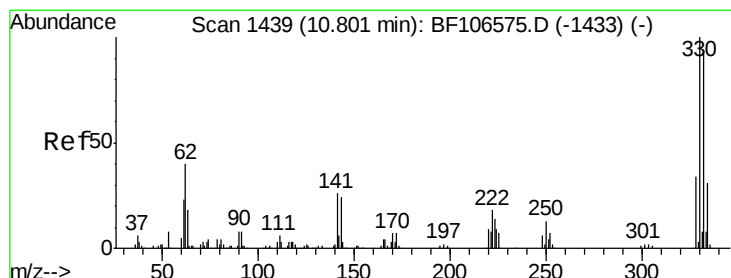
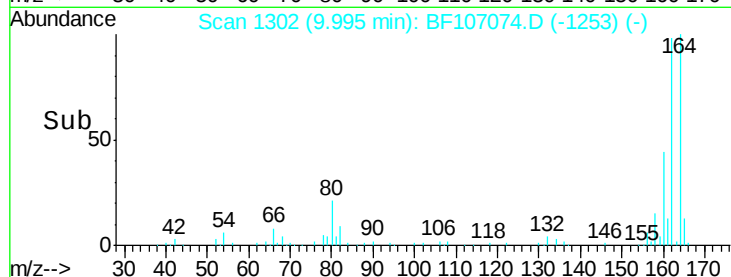
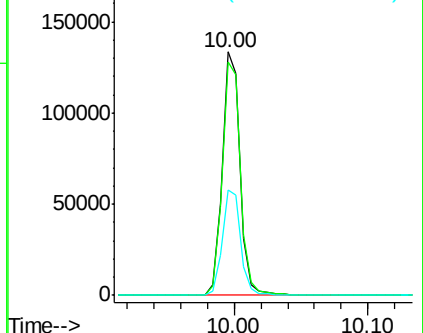
160 43.2 38.3 57.5



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: 34.391 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

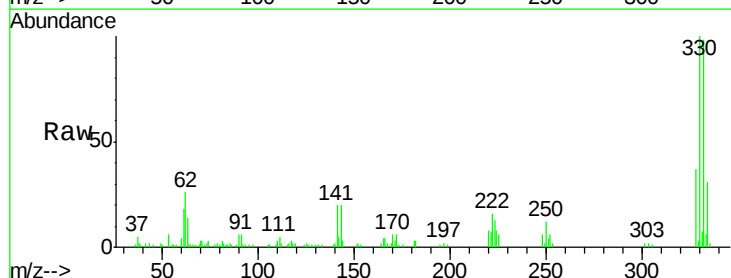
Tgt Ion:330 Resp: 49895

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

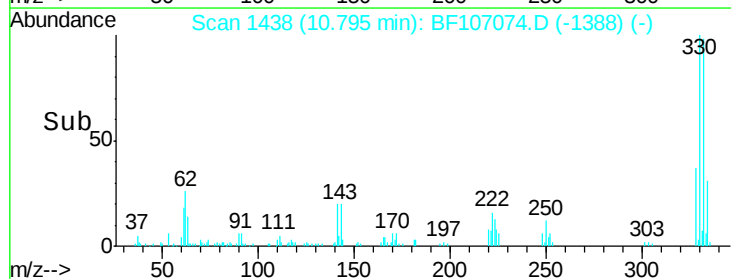
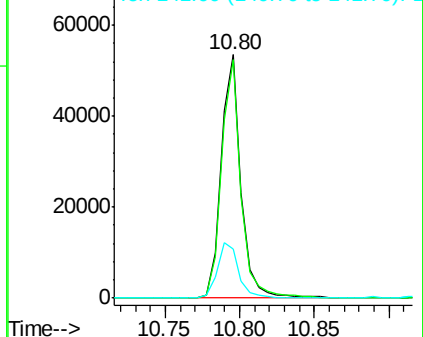
141 24.2 29.9 44.9#



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

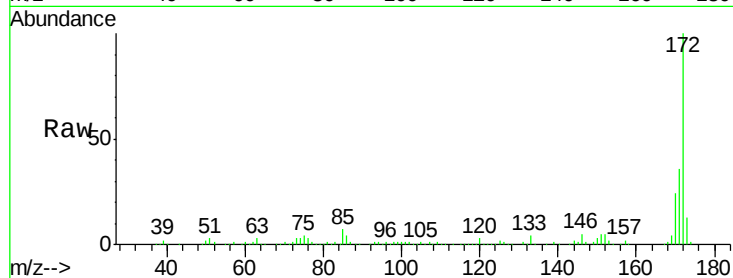




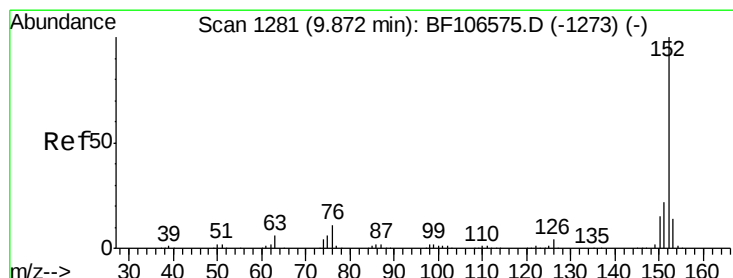
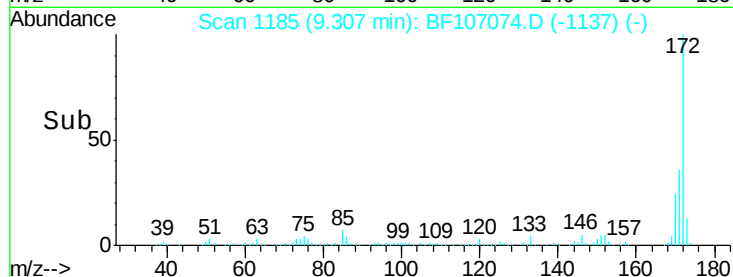
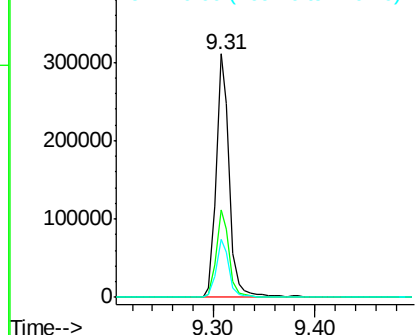
#44
 2-Fluorobiphenyl
 Concen: 28.026 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Instrument :
 BNA_G
 ClientSampleId :
 DOCUMENTATION-2

Tgt Ion:172 Resp: 280381
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.8 19.6 29.4

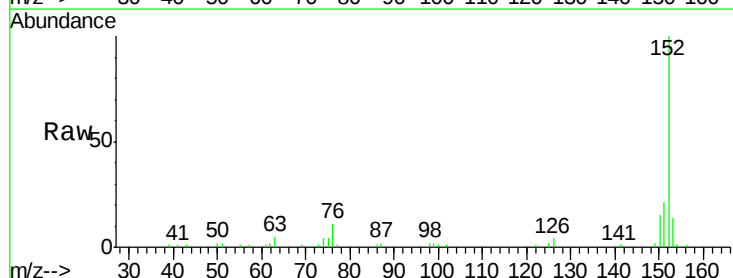


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

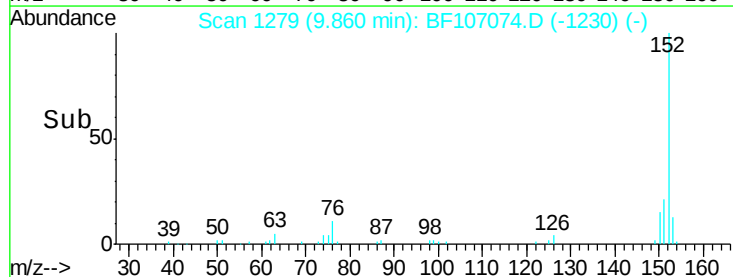
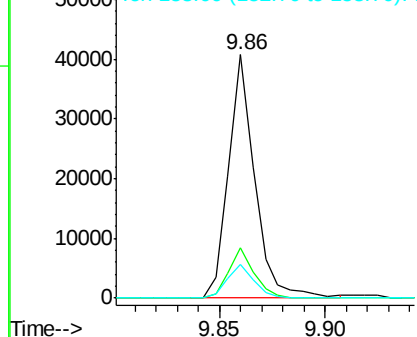


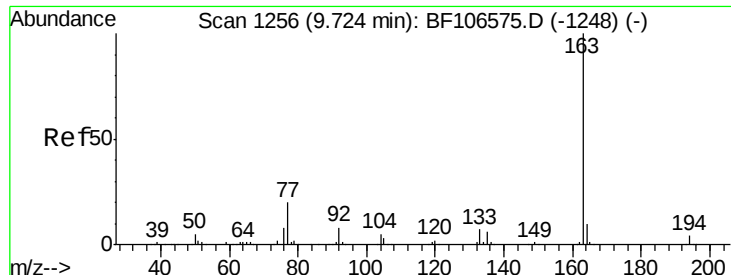
#48
 Acenaphthylene
 Concen: 2.827 ng
 RT: 9.86 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Tgt Ion:152 Resp: 35043
 Ion Ratio Lower Upper
 152 100
 151 20.7 16.3 24.5
 153 13.9 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

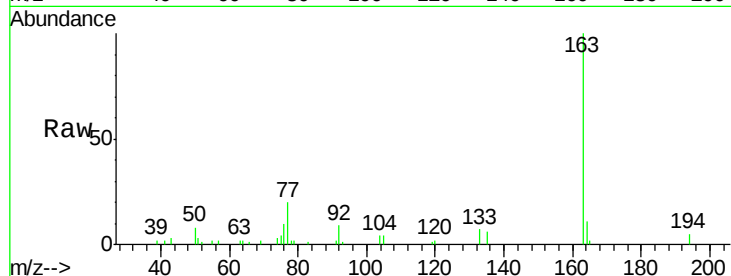




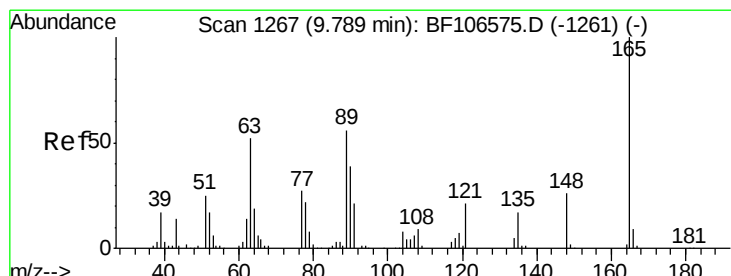
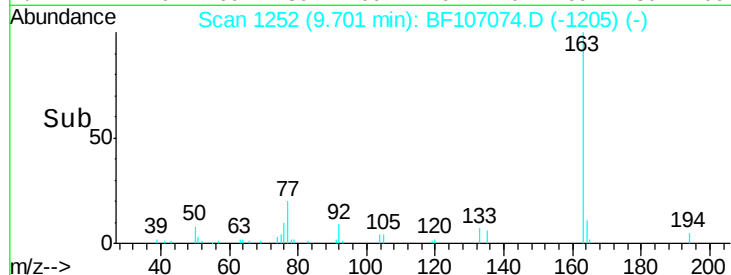
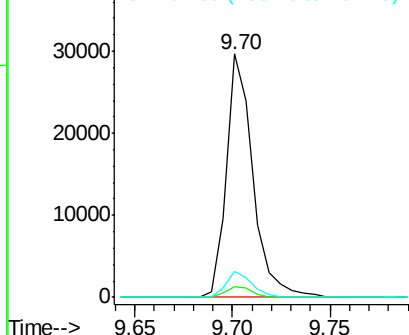
#49
 Dimethylphthalate
 Concen: 2.979 ng
 RT: 9.70 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Instrument :
 BNA_G
 ClientSampleId :
 DOCUMENTATION-2

Tgt Ion:163 Resp: 27963
 Ion Ratio Lower Upper
 163 100
 194 4.5 2.7 4.1#
 164 10.8 8.2 12.2

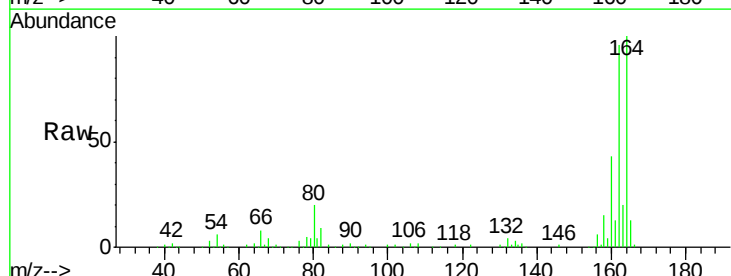


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

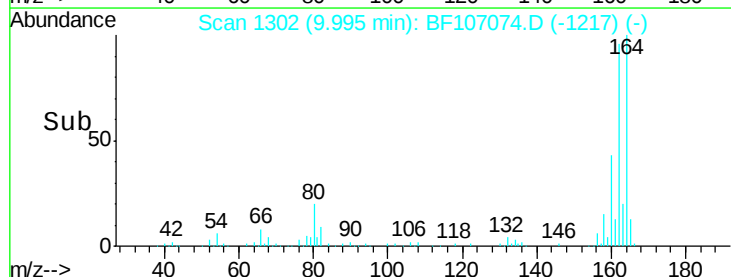
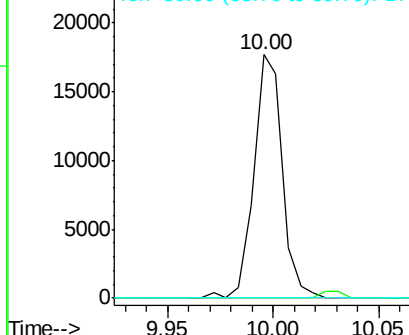


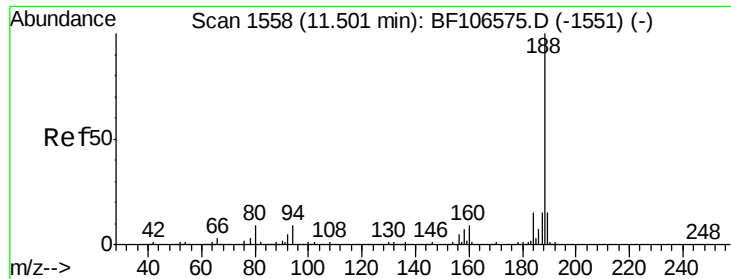
#50
 2,6-Dinitrotoluene
 Concen: 8.306 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Tgt Ion:165 Resp: 16513
 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

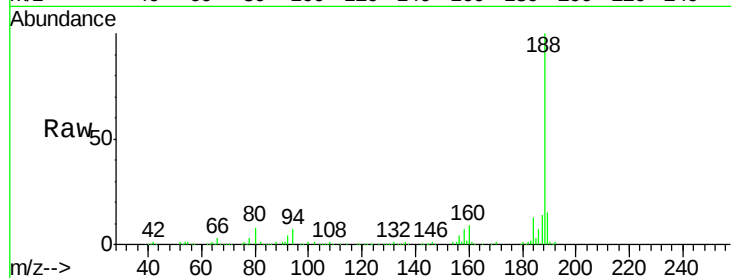




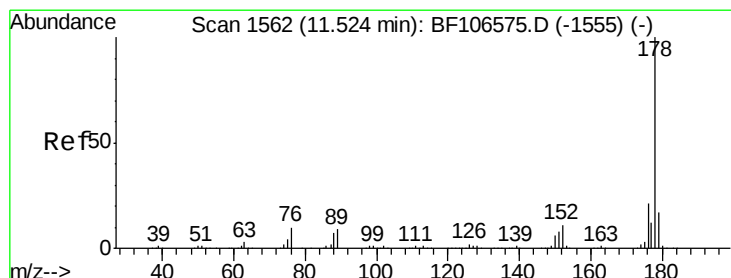
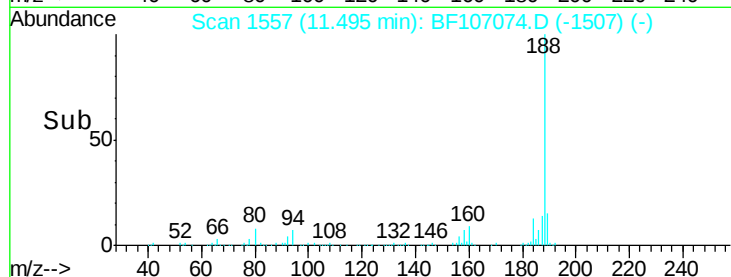
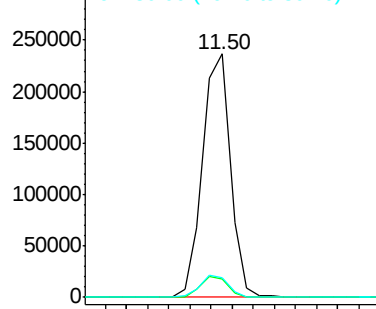
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Instrument :
BNA_G
ClientSampleId :
DOCUMENTATION-2

Tgt Ion:188 Resp: 215468
Ion Ratio Lower Upper
188 100
94 7.4 8.5 12.7#
80 8.3 9.2 13.8#

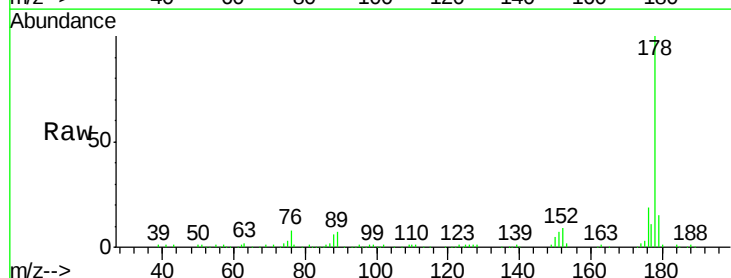


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

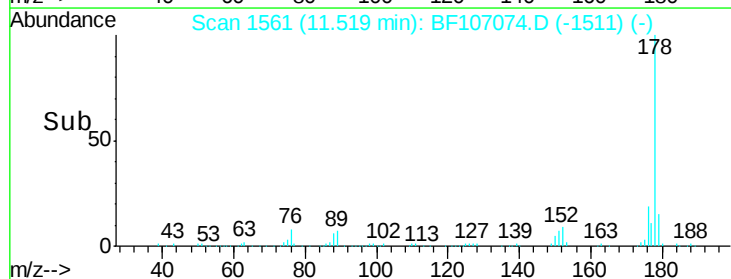
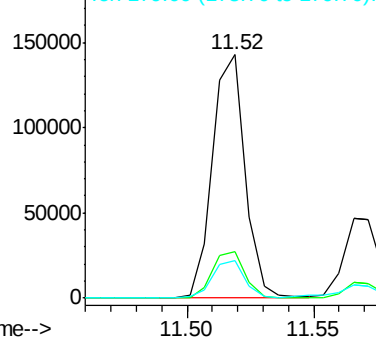


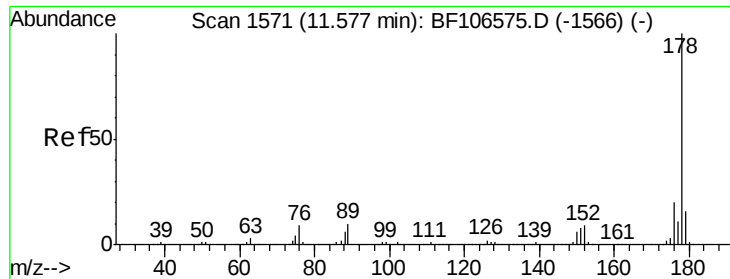
#70
Phenanthrene
Concen: 12.319 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion:178 Resp: 128029
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.4 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

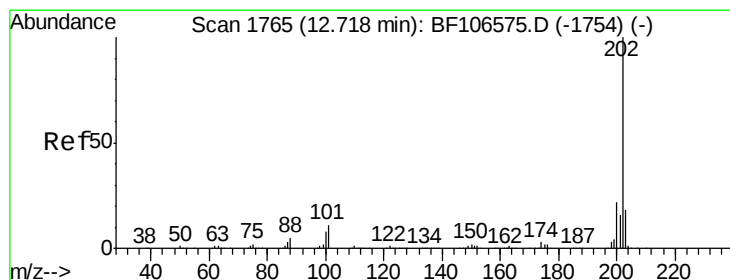
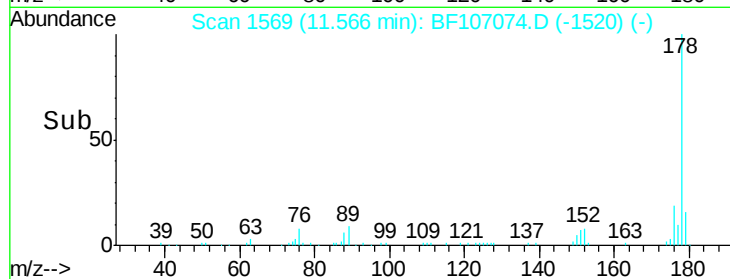
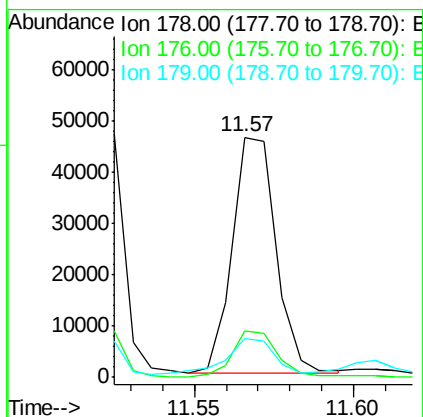
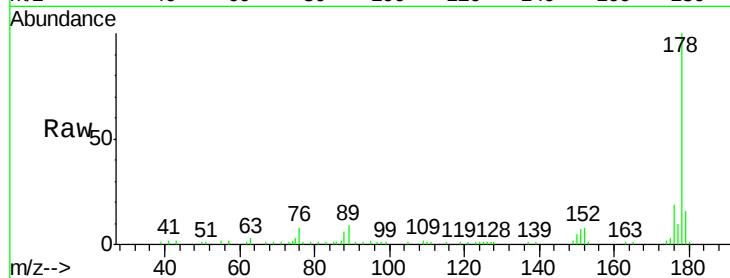




#71
 Anthracene
 Concen: 4.124 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

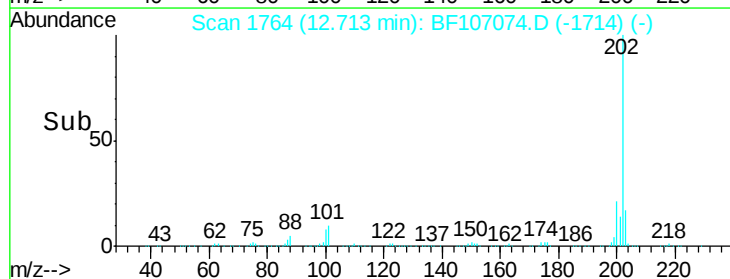
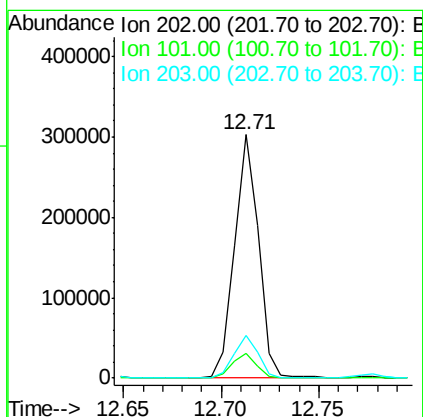
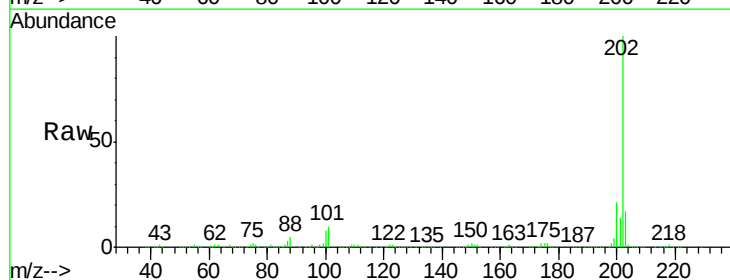
Instrument :
 BNA_G
 ClientSampleId :
 DOCUMENTATION-2

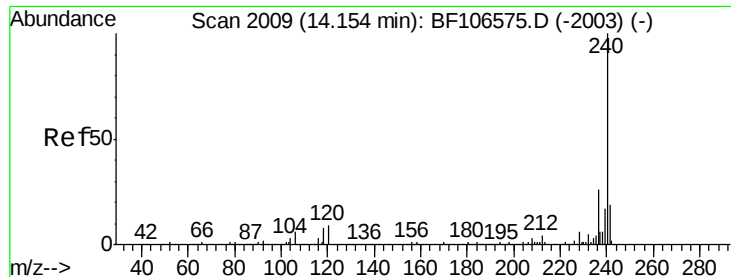
Tgt Ion:178 Resp: 43742
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 16.3 12.6 19.0



#74
 Fluoranthene
 Concen: 22.502 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Tgt Ion:202 Resp: 257751
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 34.1
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

DOCUMENTATION-2

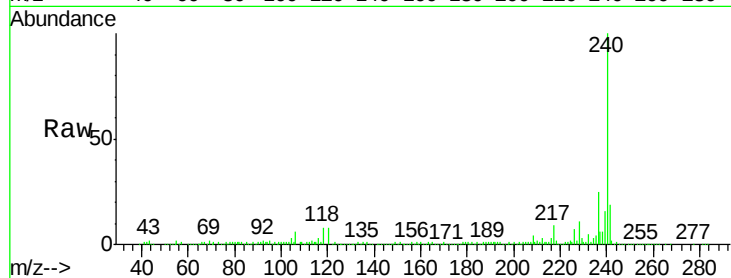
Tgt Ion:240 Resp: 197870

Ion Ratio Lower Upper

240 100

120 8.2 9.5 14.3#

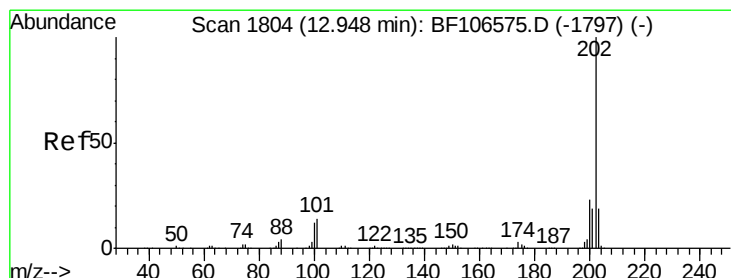
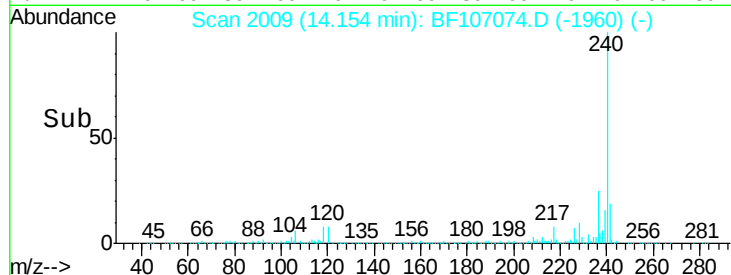
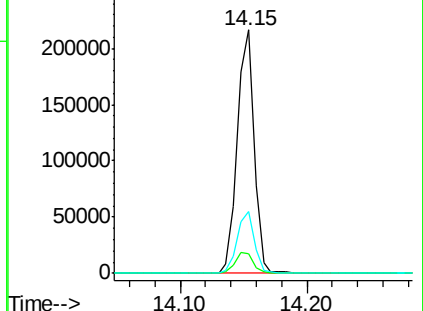
236 25.3 20.7 31.1



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: 19.260 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

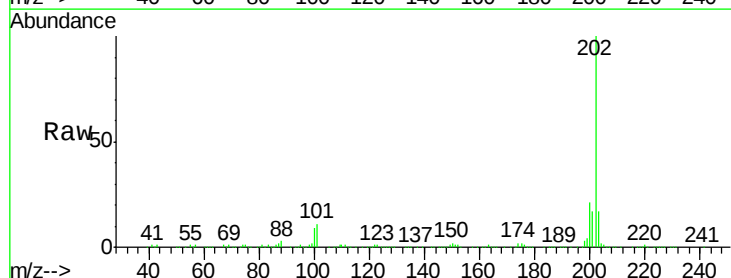
Tgt Ion:202 Resp: 251307

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

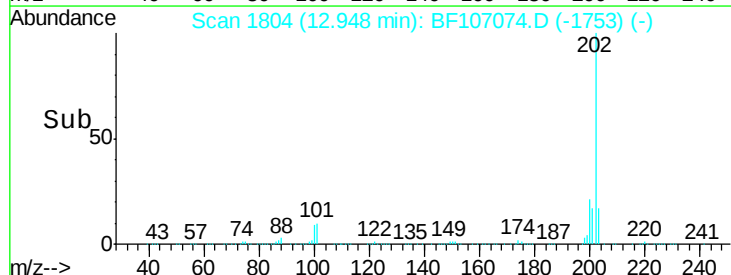
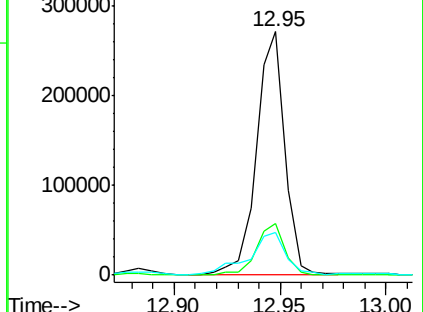
203 17.3 14.3 21.5

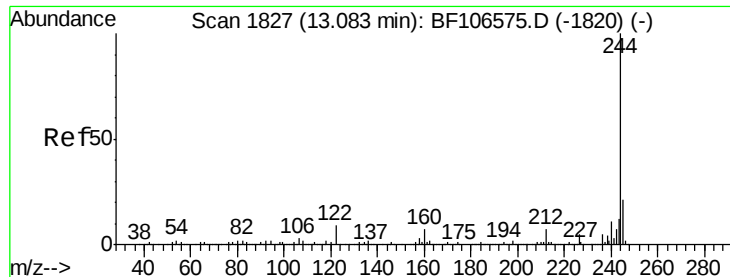


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 32.011 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

DOCUMENTATION-2

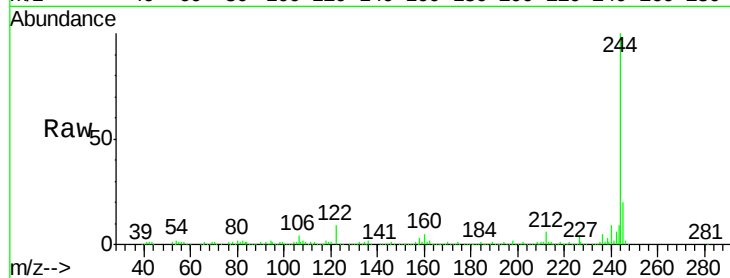
Tgt Ion:244 Resp: 261488

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 9.5 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

300000

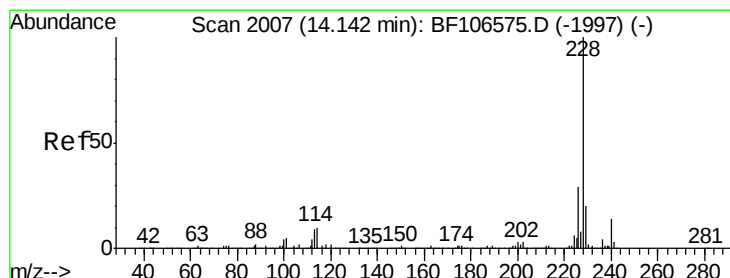
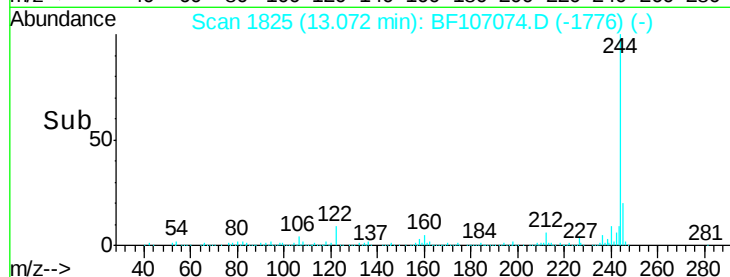
13.07

200000

100000

0

Time--> 13.00 13.10



#80

Benzo(a)anthracene

Concen: 12.531 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

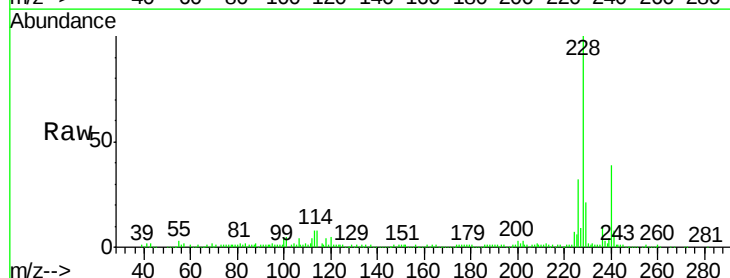
Tgt Ion:228 Resp: 151125

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

229 20.6 15.8 23.6



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

200000

14.14

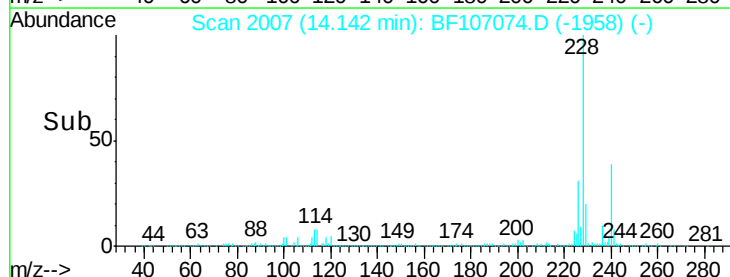
150000

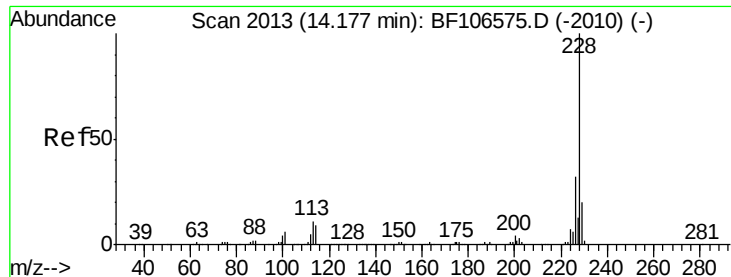
100000

50000

0

Time--> 14.05 14.10 14.15





#82

Chrysene

Concen: 12.018 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

Instrument :

BNA_G

ClientSampleId :

DOCUMENTATION-2

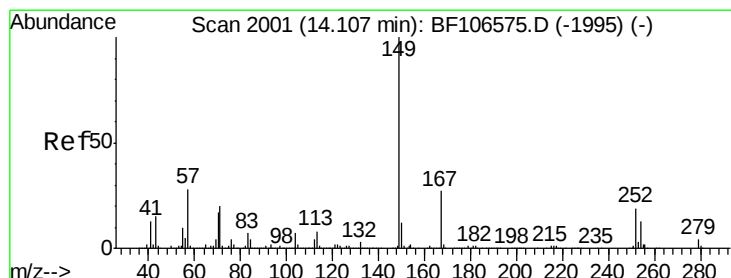
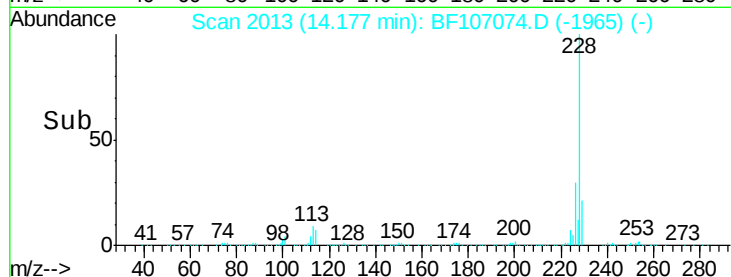
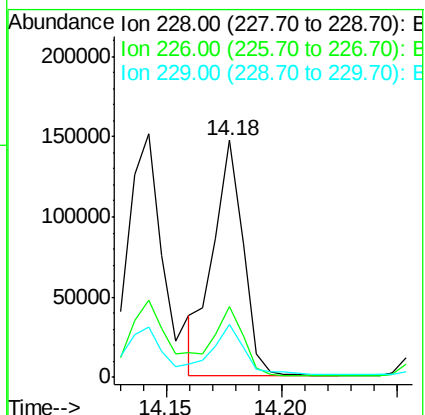
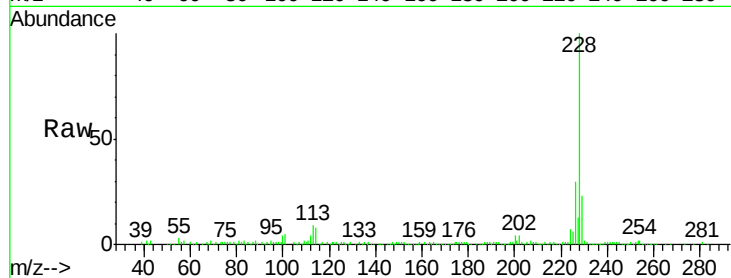
Tgt Ion: 228 Resp: 133336

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

229 22.5 16.2 24.4



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.669 ng

RT: 14.10 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF107074.D

Acq: 3 Jul 2018 11:33

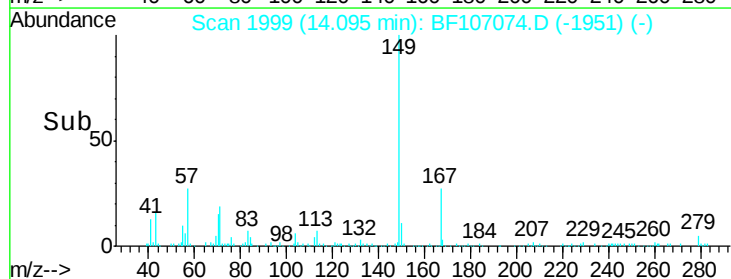
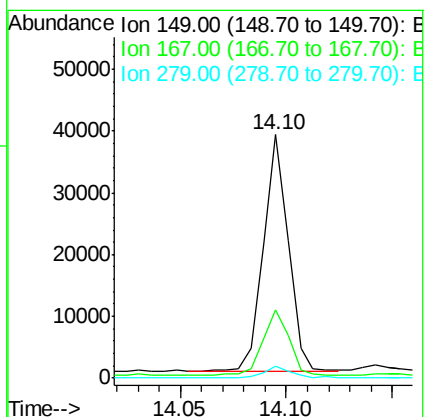
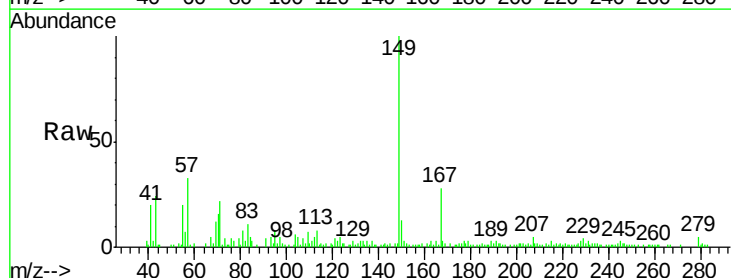
Tgt Ion: 149 Resp: 32023

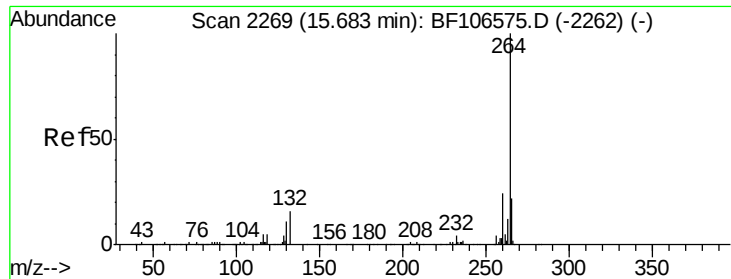
Ion Ratio Lower Upper

149 100

167 28.0 21.3 31.9

279 4.8 3.0 4.4#

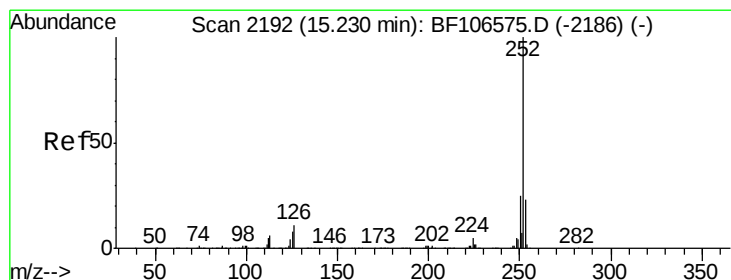
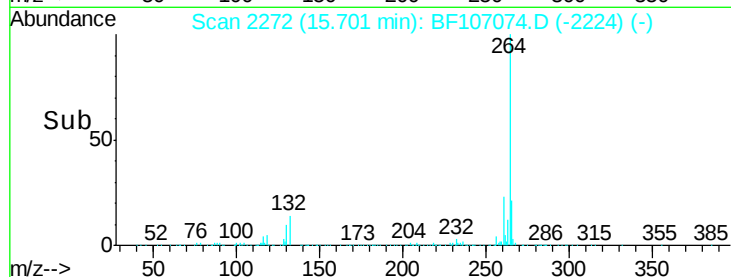
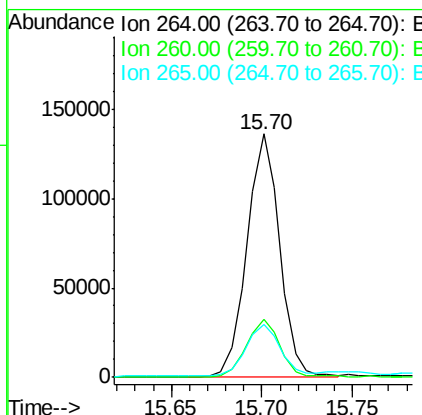
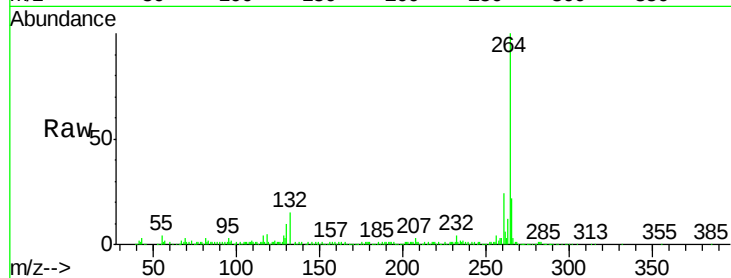




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

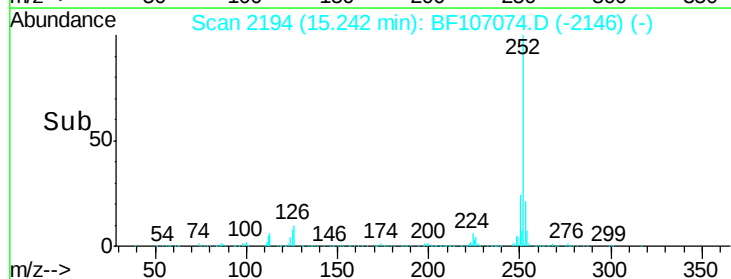
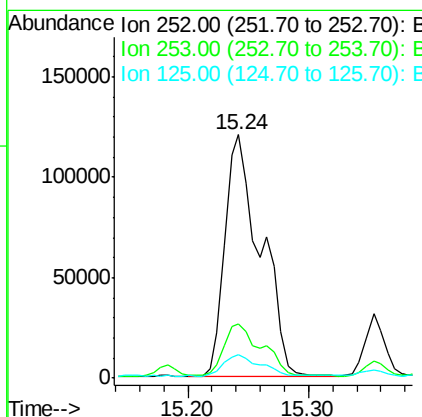
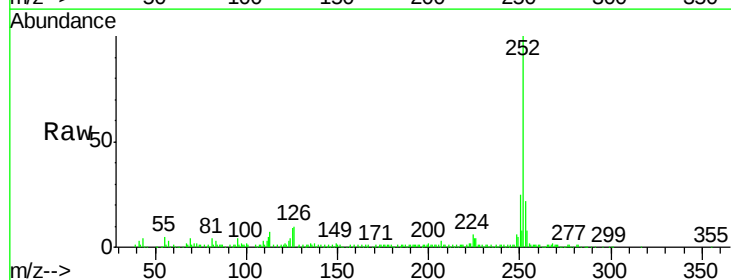
Instrument :
BNA_G
ClientSampleId :
DOCUMENTATION-2

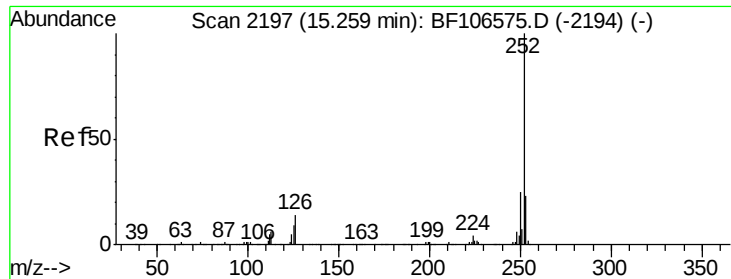
Tgt Ion:264 Resp: 169680
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 23.682 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion:252 Resp: 249618
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 9.4 9.0 13.6

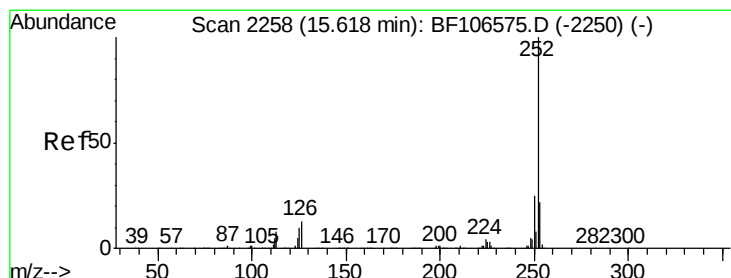
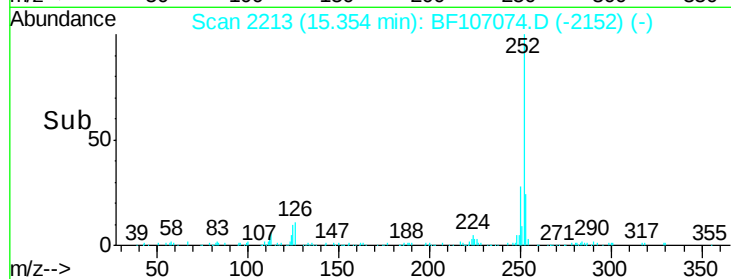
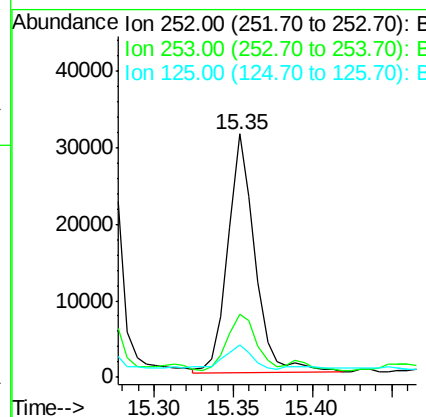
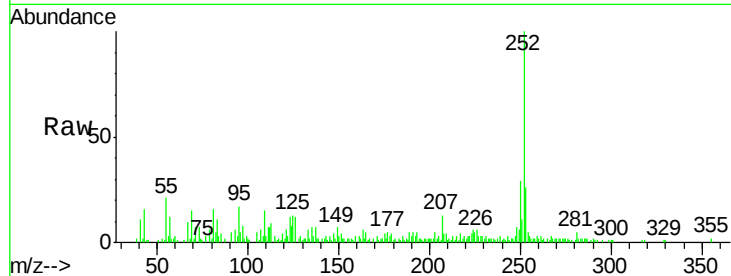




#88
Benzo(k)fluoranthene
Concen: 3.672 ng
RT: 15.35 min Scan# 2213
Delta R.T. 0.06 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

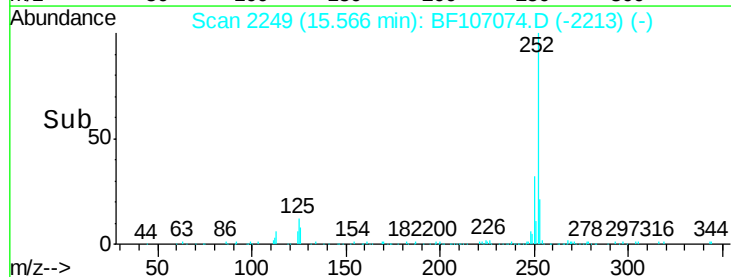
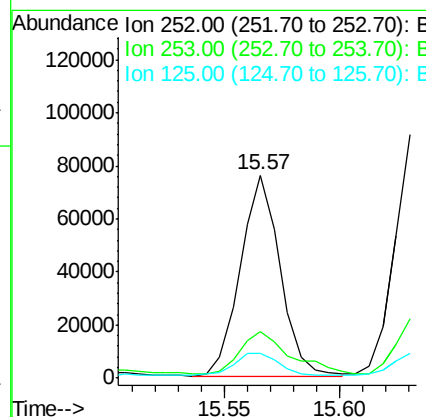
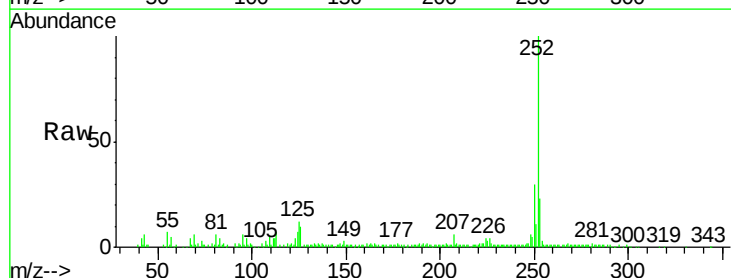
Instrument :
BNA_G
ClientSampleId :
DOCUMENTATION-2

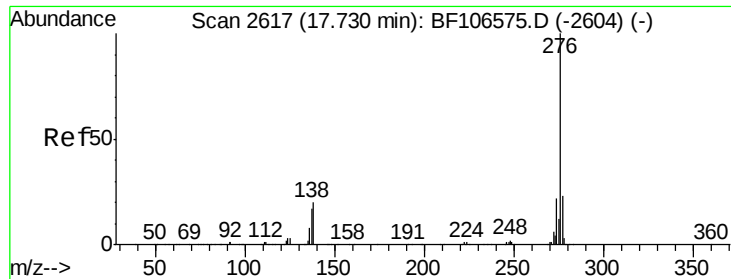
Tgt Ion:252 Resp: 36858
Ion Ratio Lower Upper
252 100
253 25.9 17.9 26.9
125 13.3 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.725 ng
RT: 15.57 min Scan# 2249
Delta R.T. -0.09 min
Lab File: BF107074.D
Acq: 3 Jul 2018 11:33

Tgt Ion:252 Resp: 91127
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 12.4 9.8 14.6





#91
 Benzo(g,h,i)perylene
 Concen: 9.321 ng
 RT: 17.78 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: BF107074.D
 Acq: 3 Jul 2018 11:33

Instrument :
 BNA_G
 ClientSampleId :
 DOCUMENTATION-2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	17.9	26.9
138	18.5	21.8	32.8

