

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070918\
 Data File : BF107245.D
 Acq On : 9 Jul 2018 22:36
 Operator : JU/SJ
 Sample : J3880-13
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

Quant Time: Jul 10 05:08:28 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	29072	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	96402	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	44143	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	91878	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	65735	20.00	ng	-0.02
86) Perylene-d12	15.69	264	52104	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	186549	108.66	ng	0.00
7) Phenol-d6	6.60	99	218831	102.07	ng	-0.02
23) Nitrobenzene-d5	7.51	82	117884	67.96	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	56543	110.52	ng	0.00
44) 2-Fluorobiphenyl	9.30	172	224111	86.13	ng	-0.02
78) Terphenyl-d14	13.07	244	293685	108.22	ng	-0.01

Target Compounds

						Qvalue
9) Benzaldehyde	6.72	77	3746	2.084	ng	86
19) n-Nitroso-di-n-propylamine	7.51	70	15224	10.772	ng	# 75
25) Isophorone	7.51	82	117900	38.570	ng	# 64
49) Dimethylphthalate	9.70	163	53624	16.197	ng	98
55) 4-Nitrophenol	10.20	139	1203	2.136	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	5637	6.160	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	3414	3.114	ng	# 1
70) Phenanthrene	11.51	178	38913	8.781	ng	97
71) Anthracene	11.57	178	16375	3.620	ng	97
74) Fluoranthene	12.71	202	89568	18.338	ng	96
77) Pyrene	12.95	202	82612	19.058	ng	97
80) Benzo(a)anthracene	14.14	228	38887	9.706	ng	97
82) Chrysene	14.18	228	34364	9.323	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	17658	5.645	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	51996	16.065	ng	# 89
88) Benzo(k)fluoranthene	15.23	252	51996	16.869	ng	# 92
89) Benzo(a)pyrene	15.62	252	26162	9.092	ng	# 91
90) Dibenzo(a,h)anthracene	17.28	278	5487	2.250	ng	# 63
91) Benzo(g,h,i)perylene	17.79	276	17835	7.483	ng	# 90

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

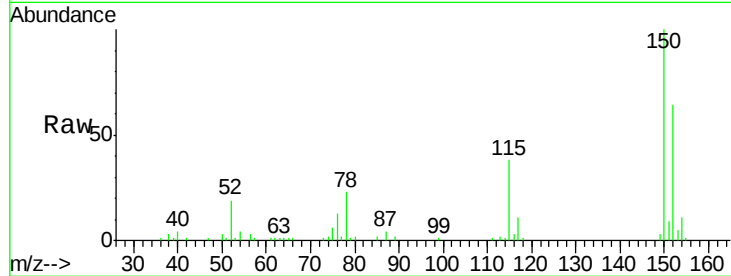


#1

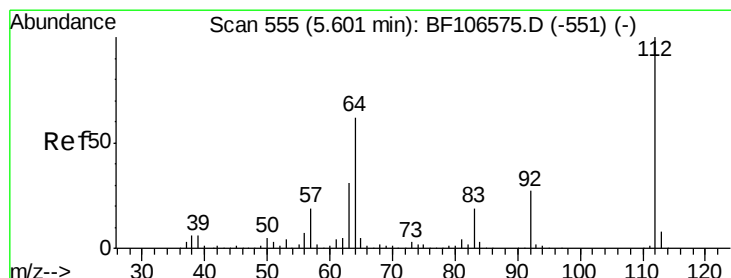
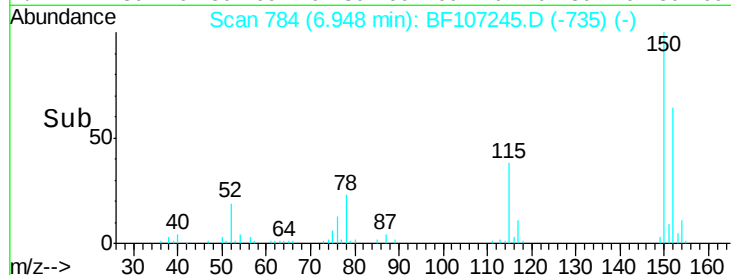
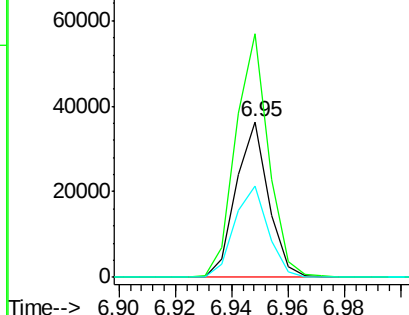
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:152 Resp: 29072
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 58.6 50.1 75.1



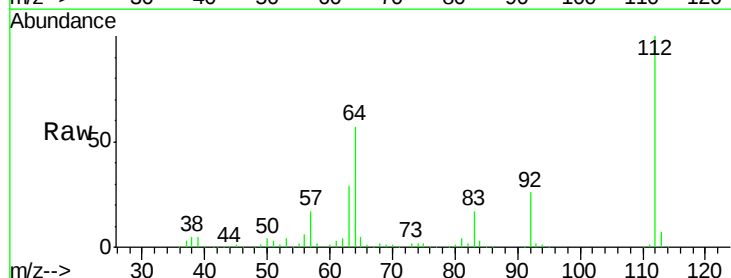
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



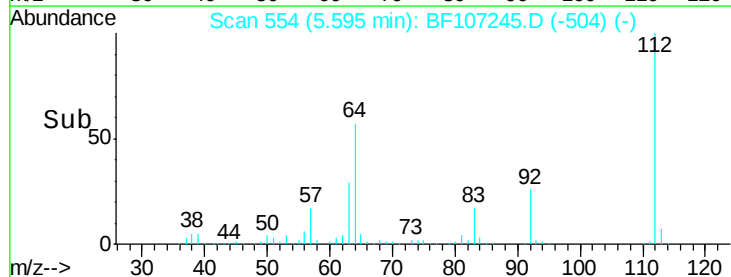
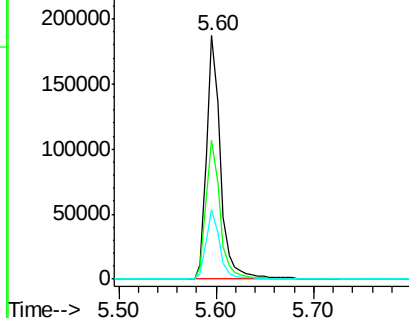
#5

2-Fluorophenol
Concen: 108.657 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion:112 Resp: 186549
Ion Ratio Lower Upper
112 100
64 57.1 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: 102.065 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

ClientSampleId :

DFTPP

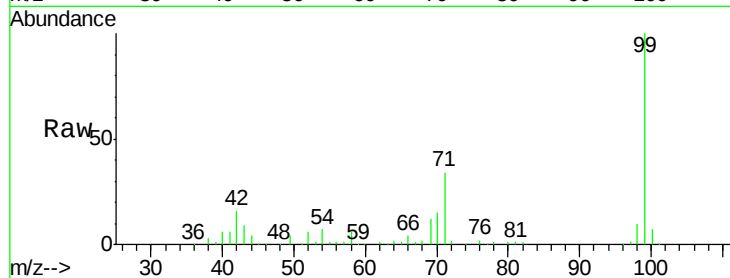
Tgt Ion: 99 Resp: 218831

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

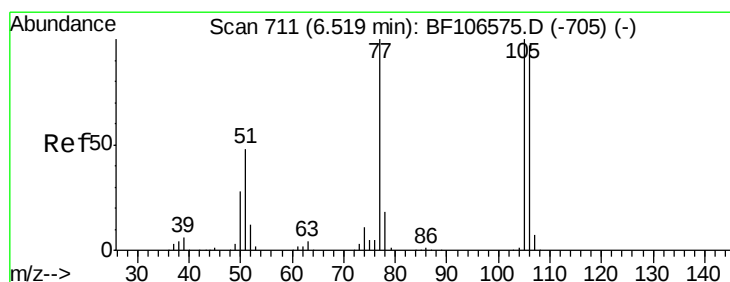
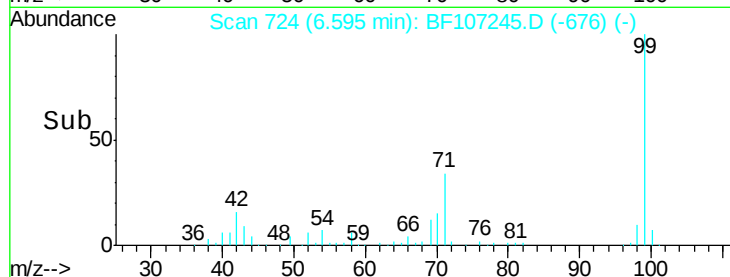
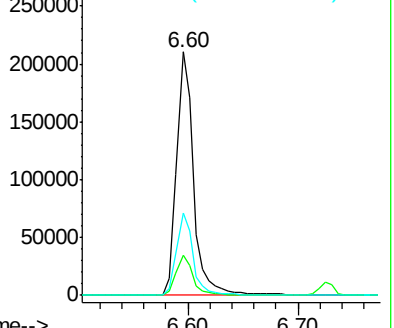
71 33.9 25.4 38.0



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: 2.084 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.21 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

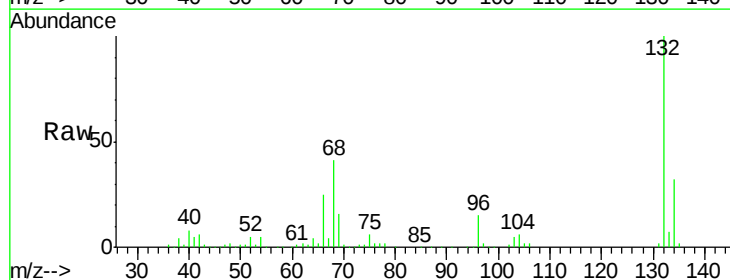
Tgt Ion: 77 Resp: 3746

Ion Ratio Lower Upper

77 100

105 83.0 81.1 121.1

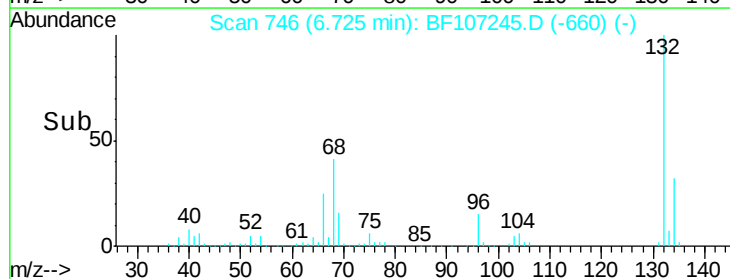
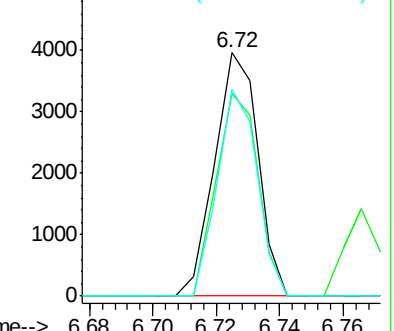
106 85.0 74.5 114.5

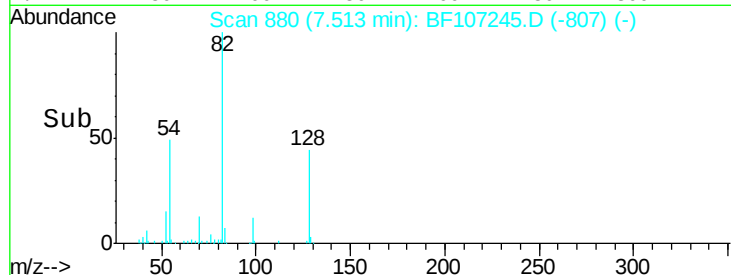
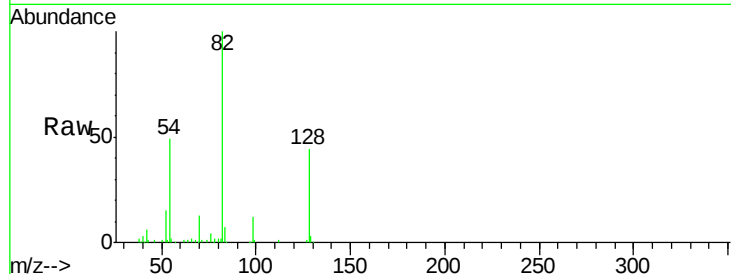


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

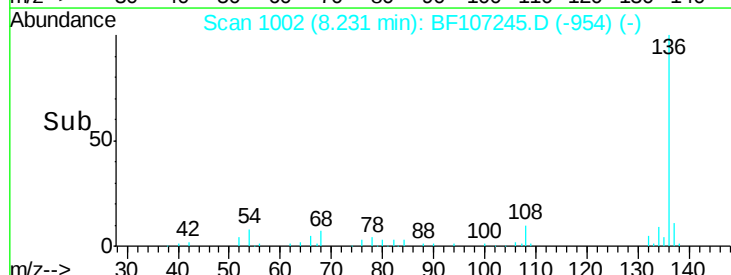
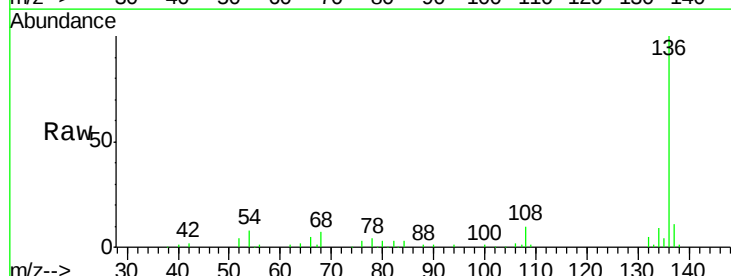
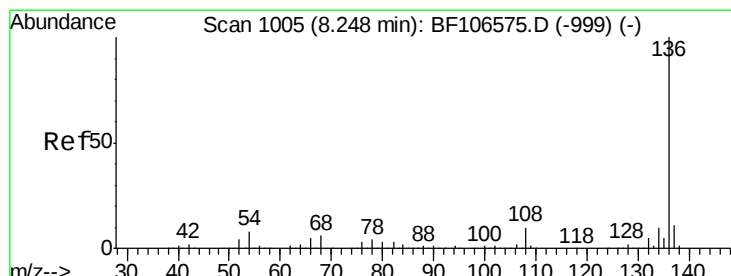
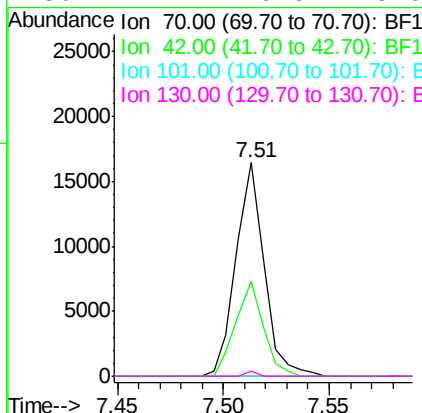




#19
n-Nitroso-di-n-propylamine
Concen: 10.772 ng
RT: 7.51 min Scan# 880
Delta R.T. 0.13 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

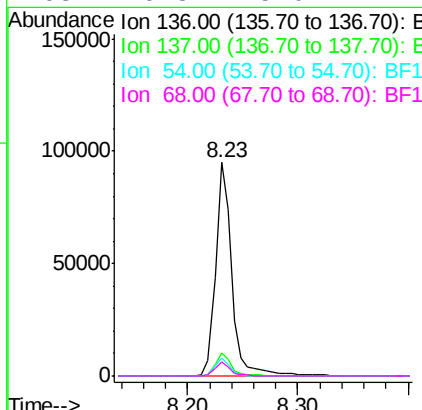
Instrument :
BNA_F
ClientSampleId :
DFTPP

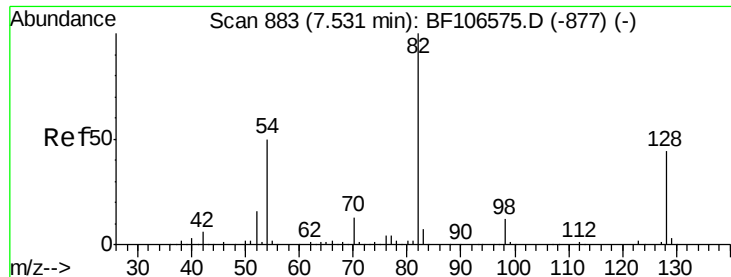
Tgt Ion: 70 Resp: 15224
Ion Ratio Lower Upper
70 100
42 44.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion: 136 Resp: 96402
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.4 6.6 9.8
68 6.8 5.0 7.4

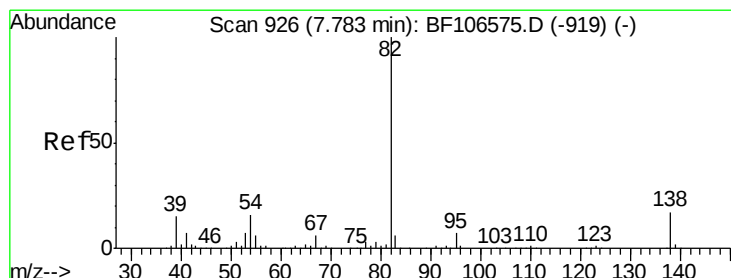
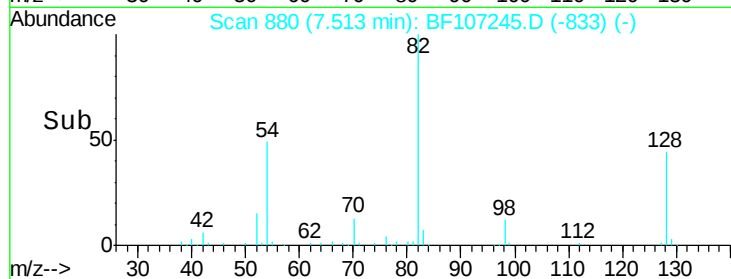
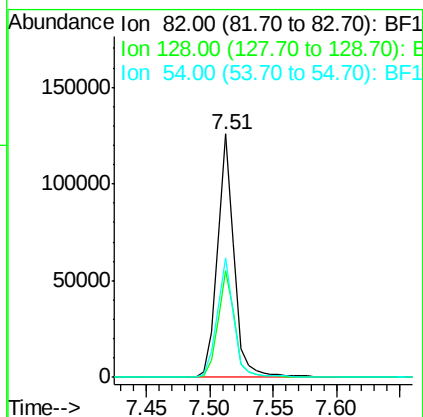
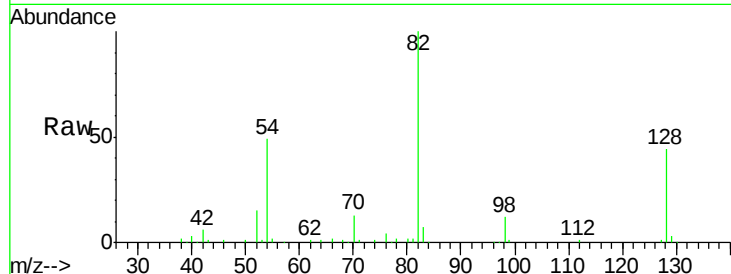




#23
 Nitrobenzene-d5
 Concen: 67.957 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107245.D
 Acq: 9 Jul 2018 22:36

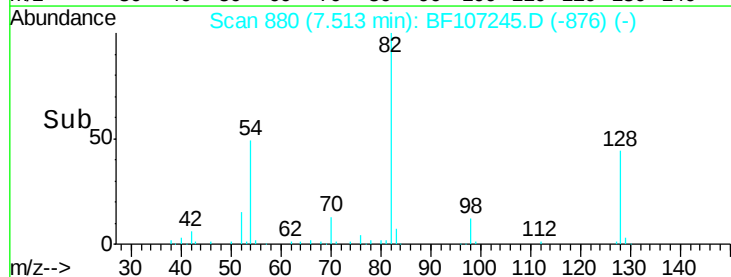
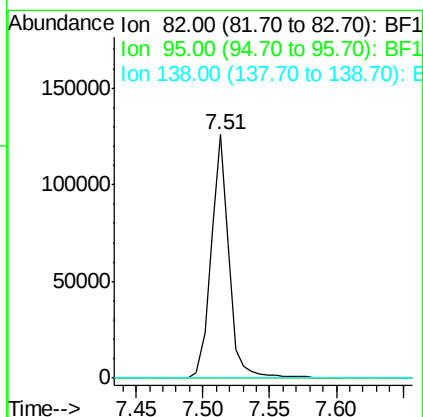
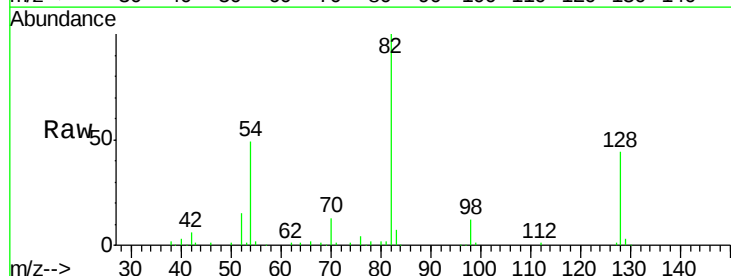
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

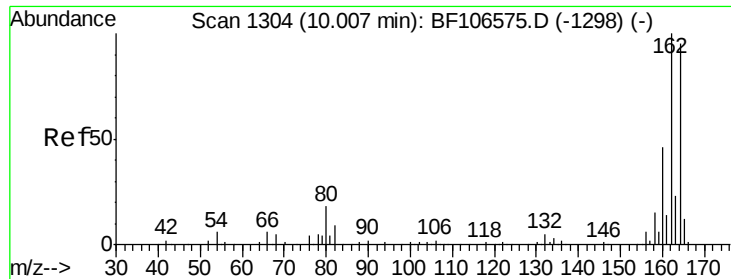
Tgt Ion: 82 Resp: 117884
 Ion Ratio Lower Upper
 82 100
 128 43.6 36.1 54.1
 54 49.0 41.4 62.2



#25
 Isophorone
 Concen: 38.570 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF107245.D
 Acq: 9 Jul 2018 22:36

Tgt Ion: 82 Resp: 117900
 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# 1302

Delta R.T. -0.01 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

ClientSampleId :

DFTPP

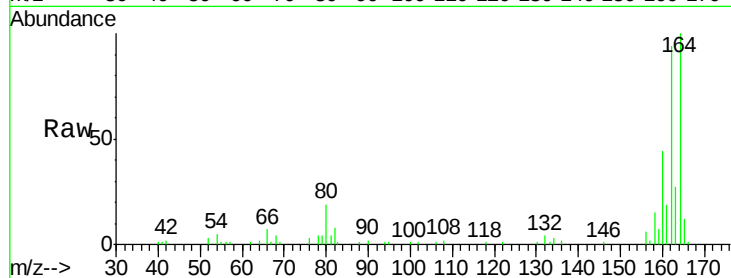
Tgt Ion:164 Resp: 44143

Ion Ratio Lower Upper

164 100

162 93.6 86.1 129.1

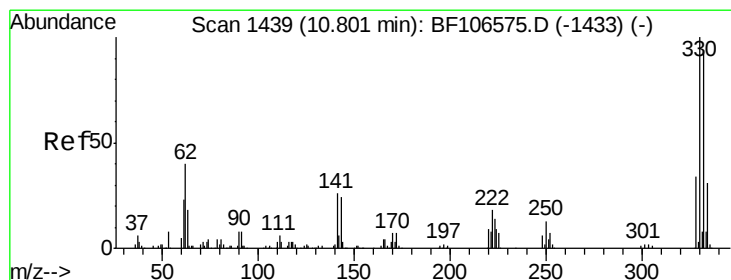
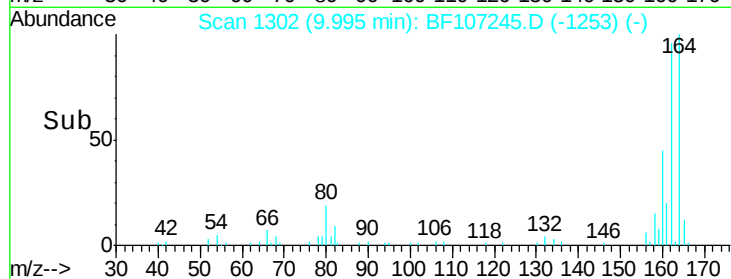
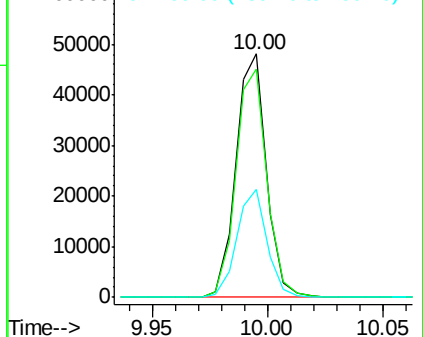
160 44.2 38.3 57.5



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: 110.516 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

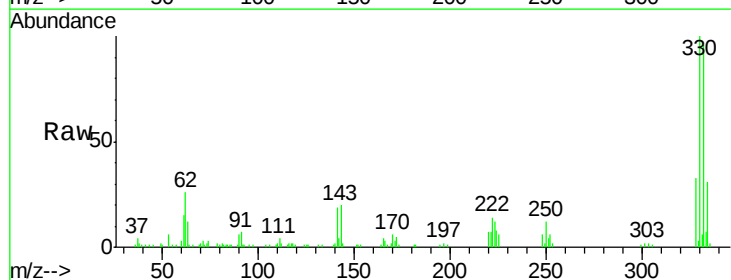
Tgt Ion:330 Resp: 56543

Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

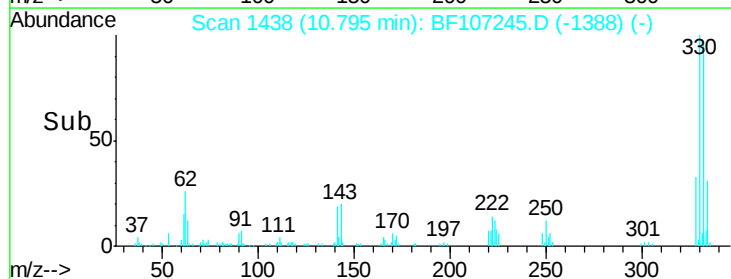
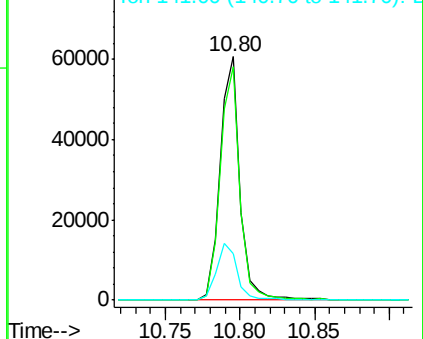
141 24.0 29.9 44.9#



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

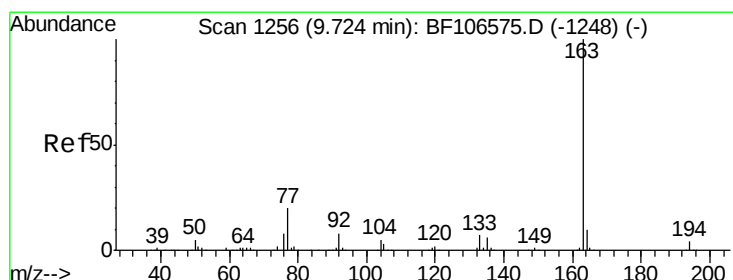
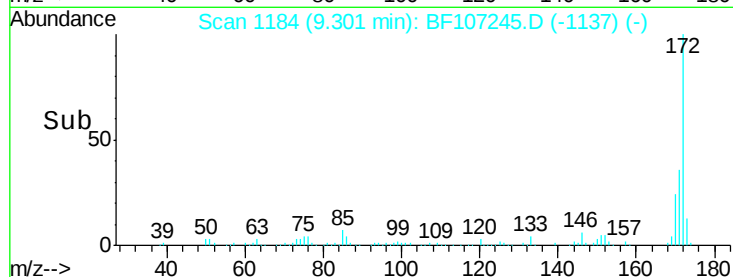
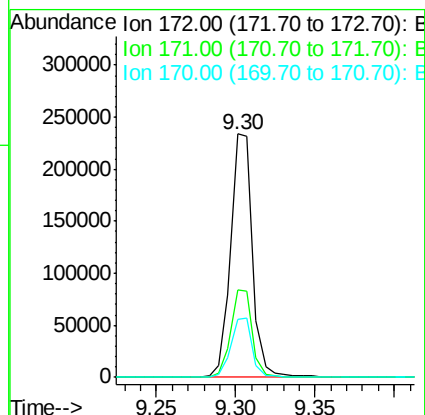
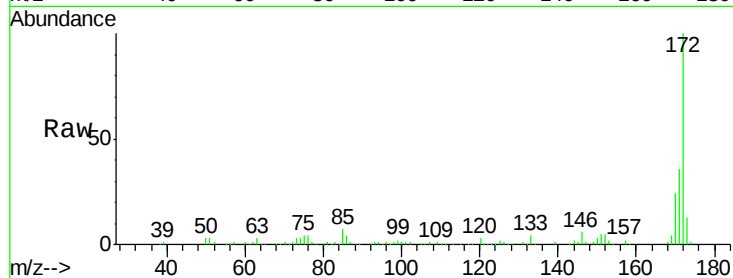




#44
2-Fluorobiphenyl
Concen: 86.129 ng
RT: 9.30 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

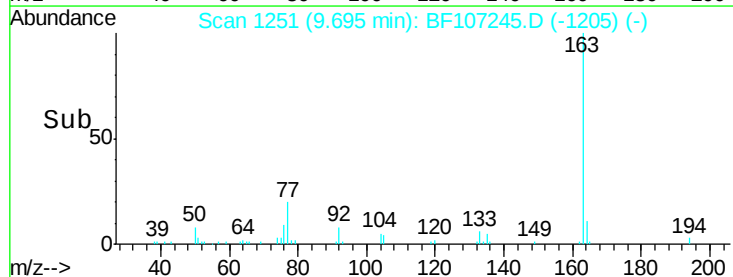
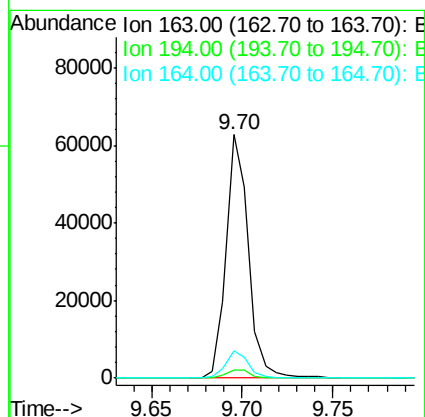
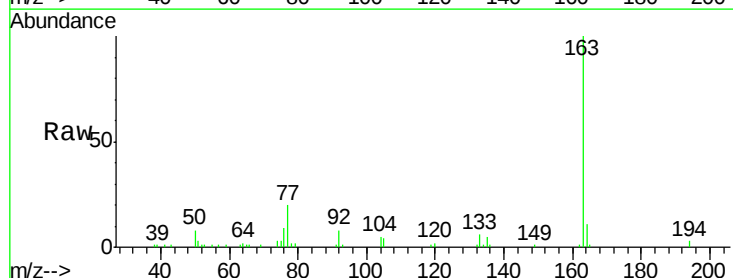
Instrument :
BNA_F
ClientSampleId :
DFTPP

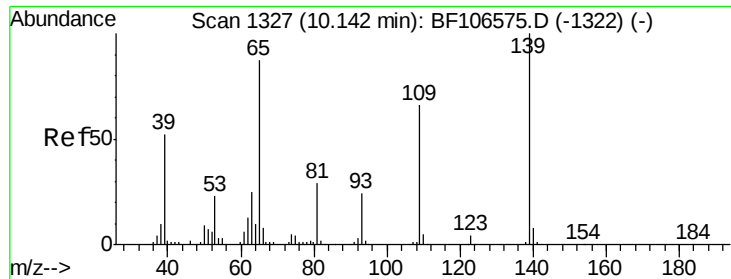
Tgt Ion:172 Resp: 224111
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.8 19.6 29.4



#49
Dimethylphthalate
Concen: 16.197 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion:163 Resp: 53624
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 11.1 8.2 12.2

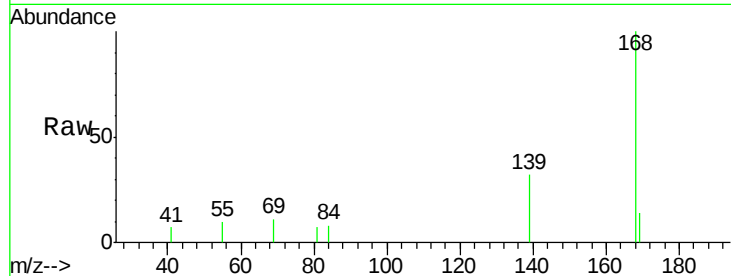




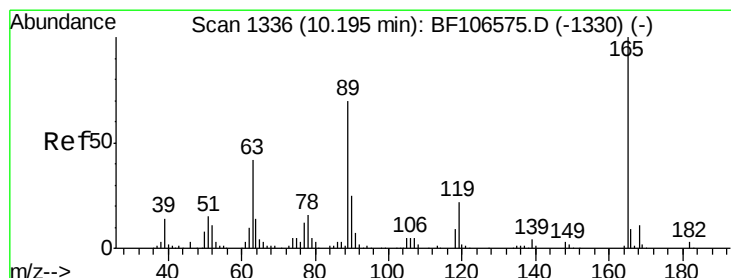
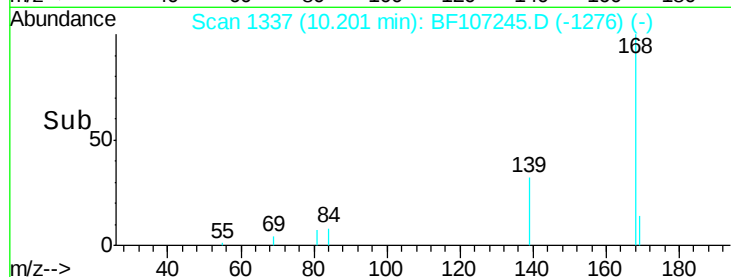
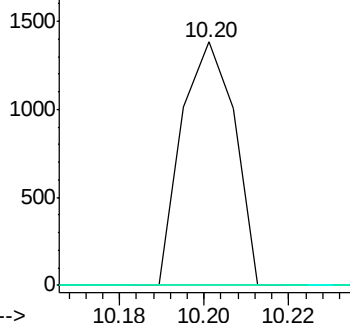
#55
4-Nitrophenol
Concen: 2.136 ng
RT: 10.20 min Scan# 1337
Delta R.T. 0.06 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:139 Resp: 1203
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#

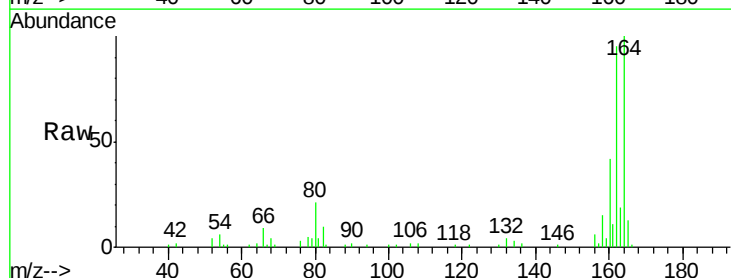


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

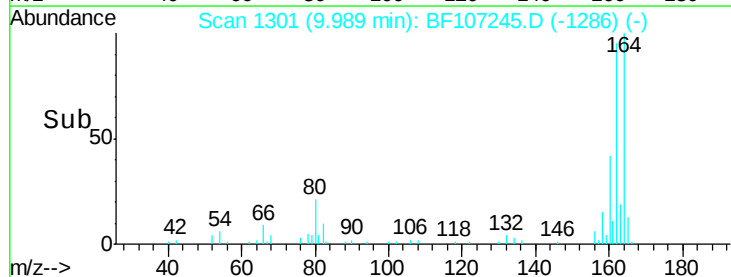
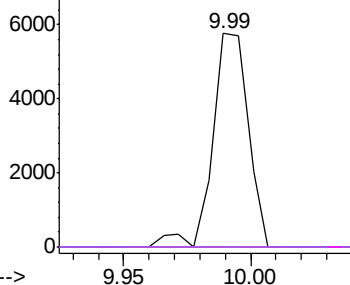


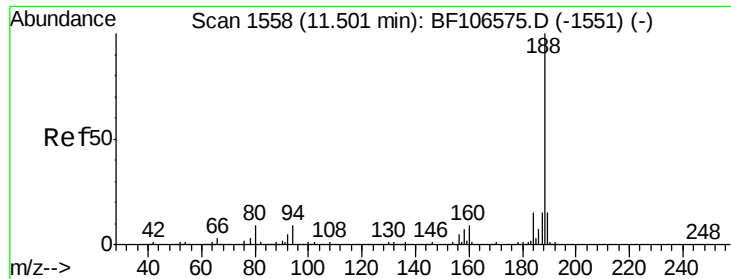
#56
2,4-Dinitrotoluene
Concen: 6.160 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion:165 Resp: 5637
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

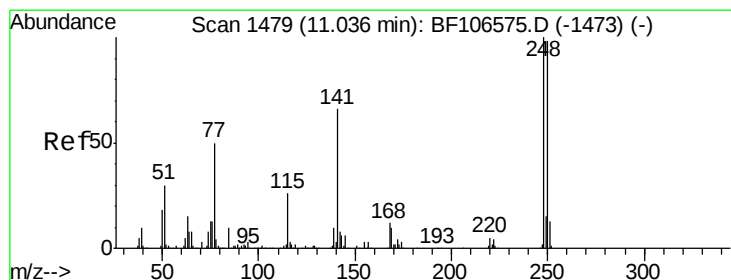
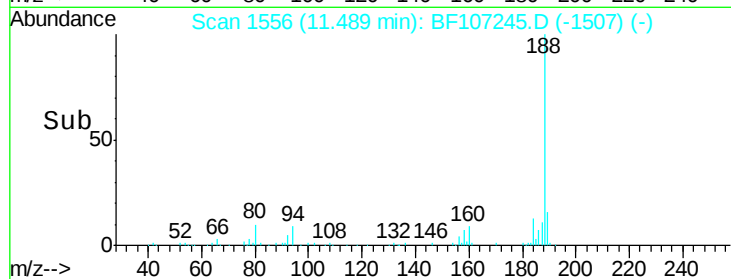
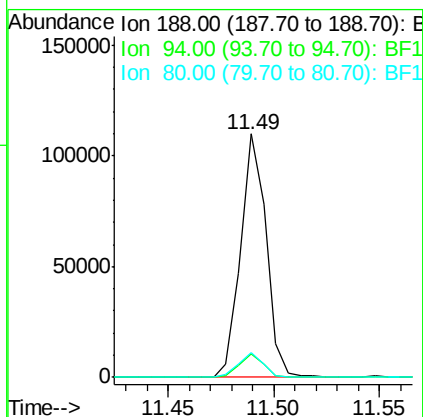
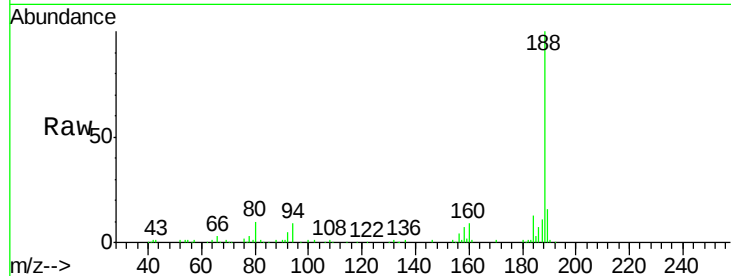




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

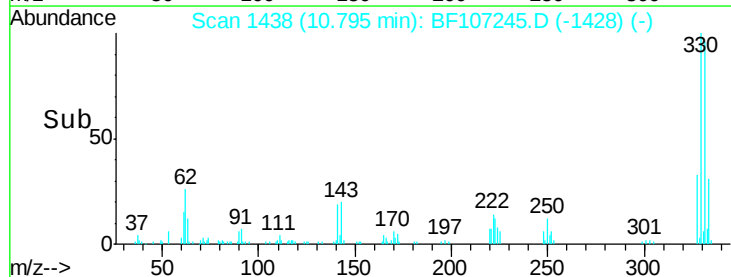
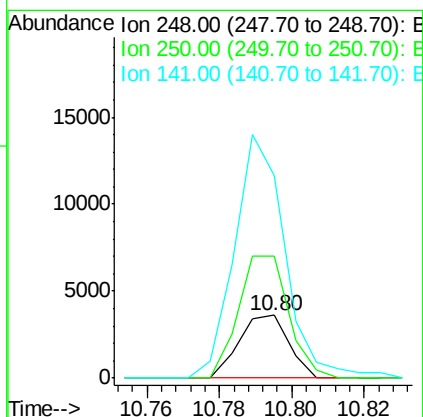
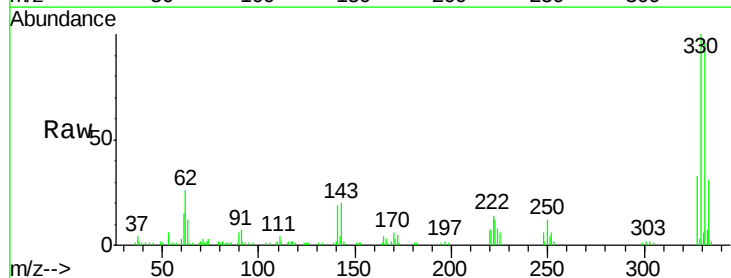
Instrument :
BNA_F
ClientSampleId :
DFTPP

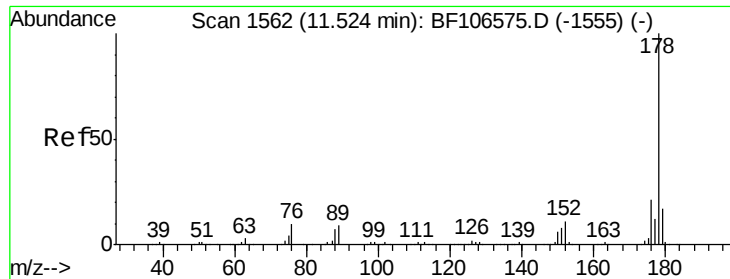
Tgt Ion:188 Resp: 91878
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 10.4 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.114 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion:248 Resp: 3414
Ion Ratio Lower Upper
248 100
250 194.2 76.9 115.3#
141 323.4 74.4 111.6#

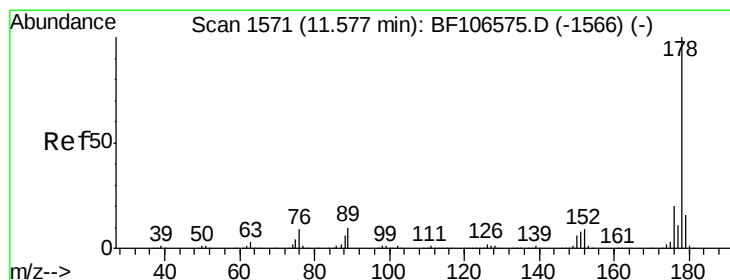
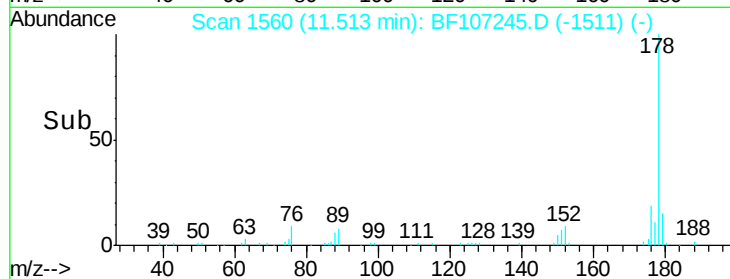
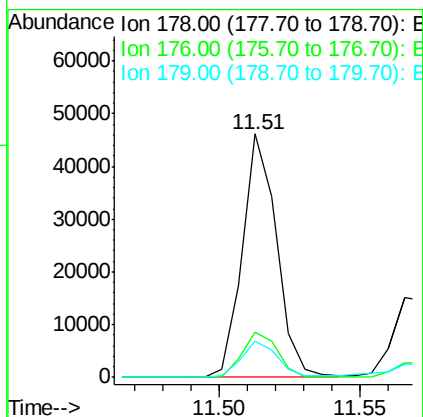
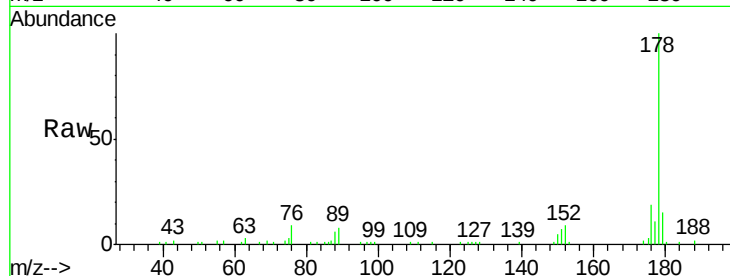




#70
Phenanthrene
Concen: 8.781 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

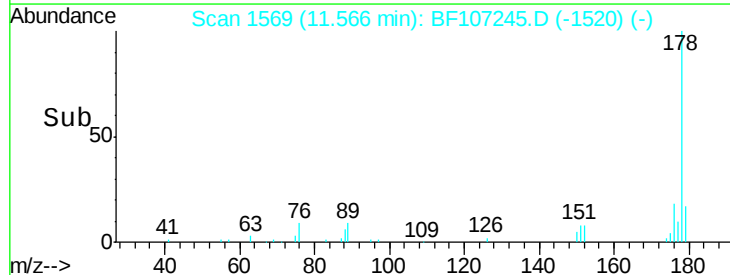
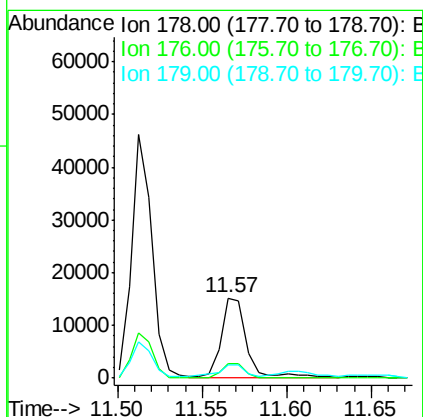
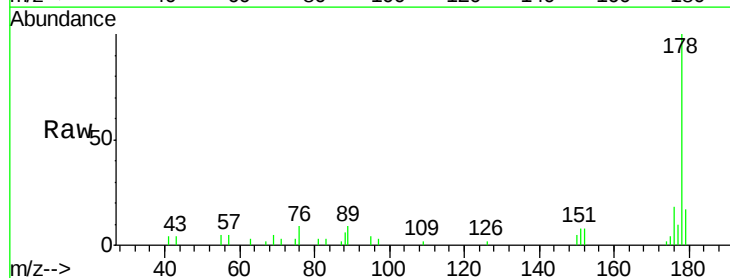
Instrument :
BNA_F
ClientSampleId :
DFTPP

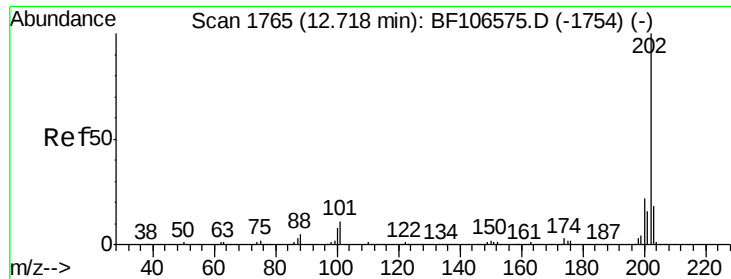
Tgt Ion:178 Resp: 38913
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.1 13.0 19.6



#71
Anthracene
Concen: 3.620 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion:178 Resp: 16375
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 16.7 12.6 19.0





#74

Fluoranthene

Concen: 18.338 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

ClientSampleId :

DFTPP

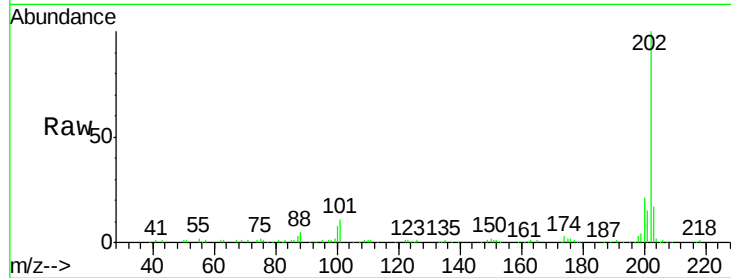
Tgt Ion:202 Resp: 89568

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

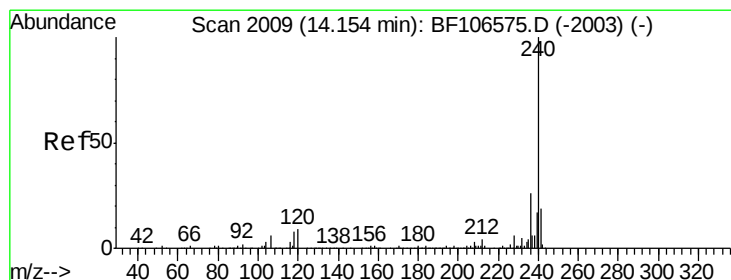
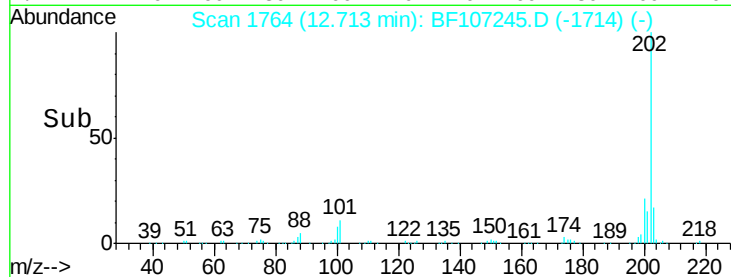
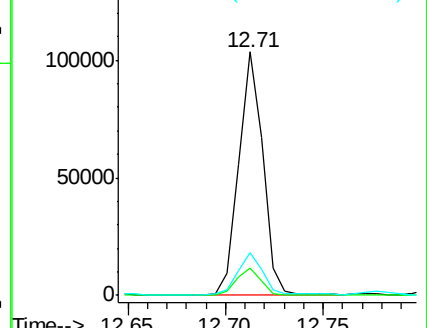
203 17.5 0.0 38.1



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. -0.02 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

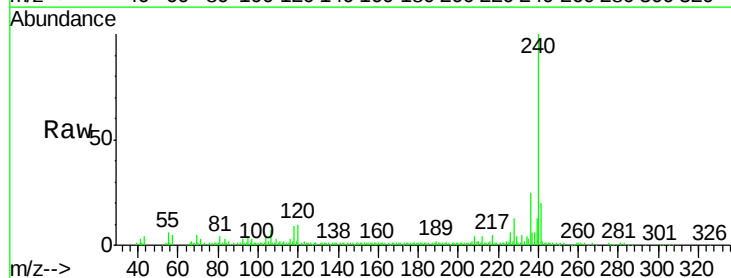
Tgt Ion:240 Resp: 65735

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

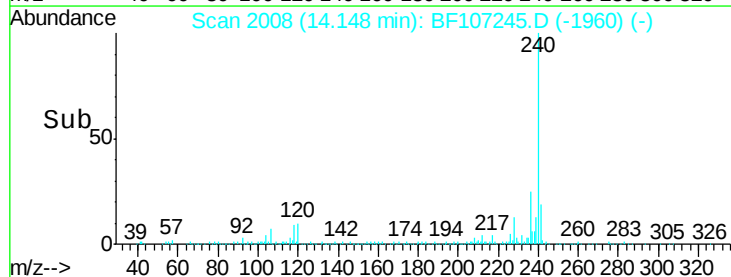
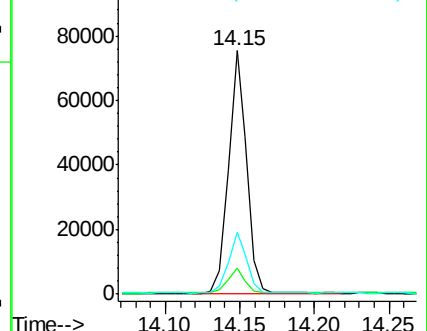
236 25.3 20.7 31.1

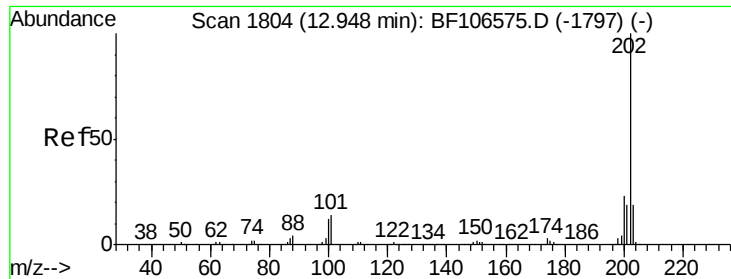


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 19.058 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

ClientSampleId :

DFTPP

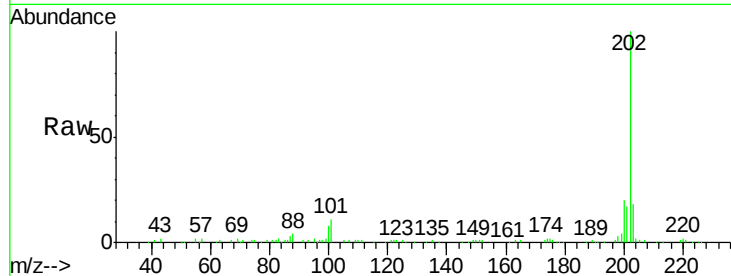
Tgt Ion: 202 Resp: 82612

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

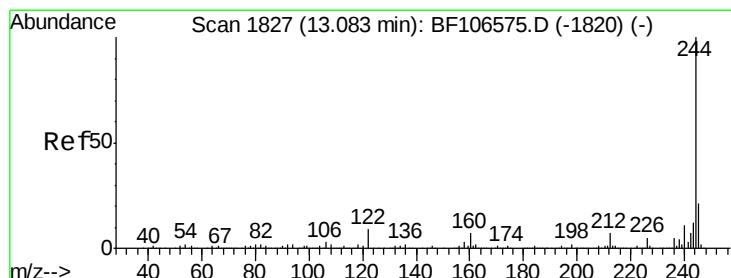
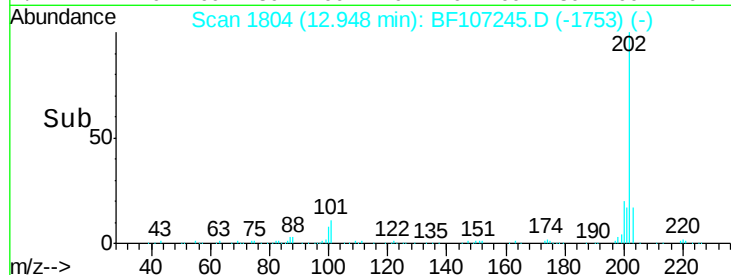
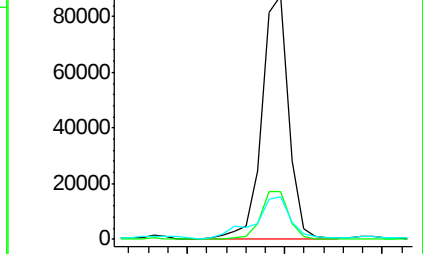
203 17.8 14.3 21.5



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: 108.221 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

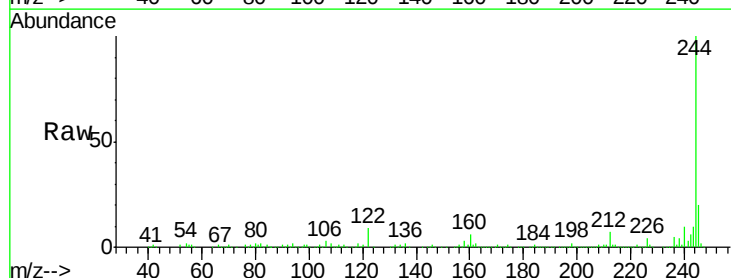
Tgt Ion: 244 Resp: 293685

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

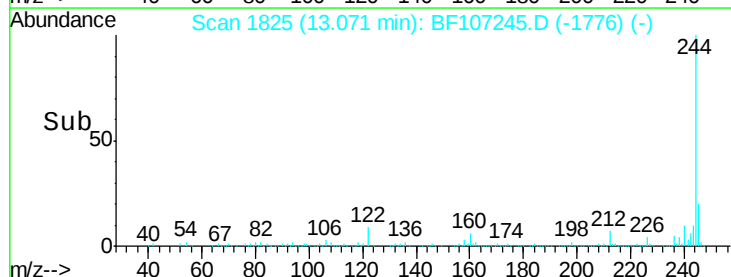
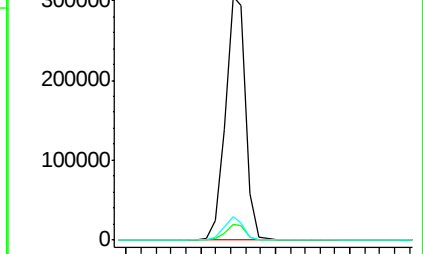
122 9.4 11.0 16.4#

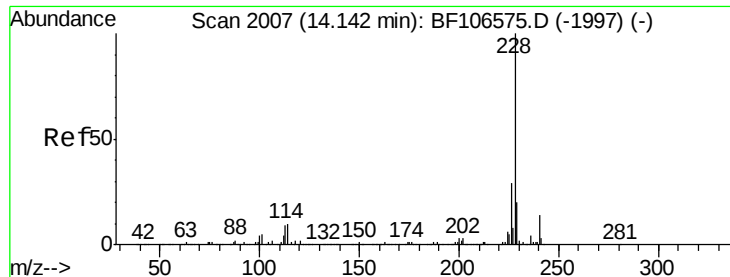


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

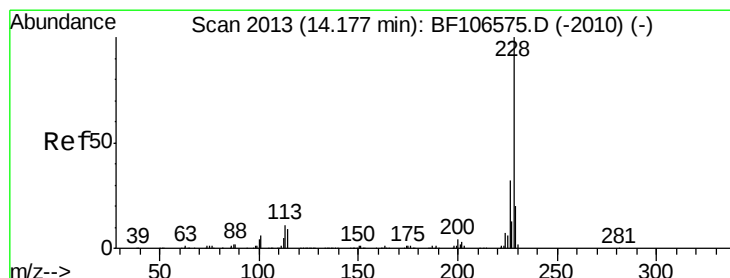
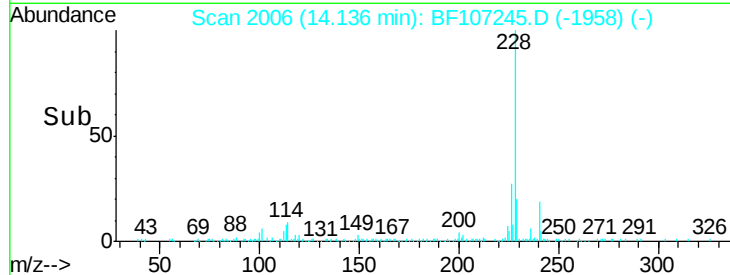
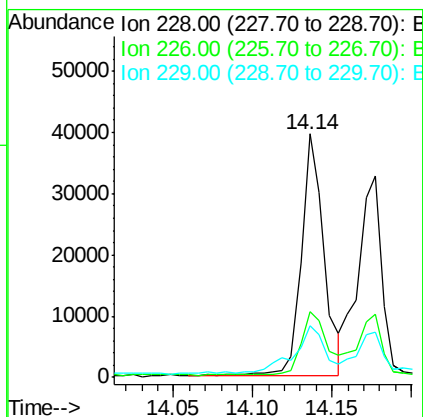
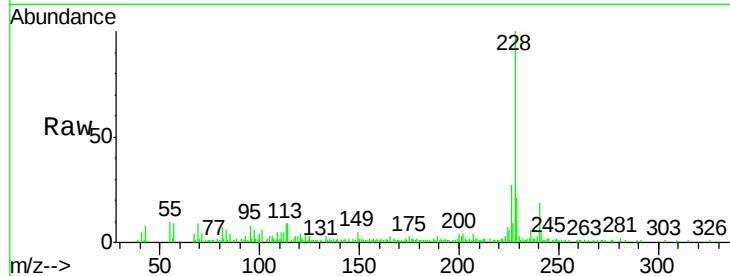




#80
Benzo(a)anthracene
Concen: 9.706 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

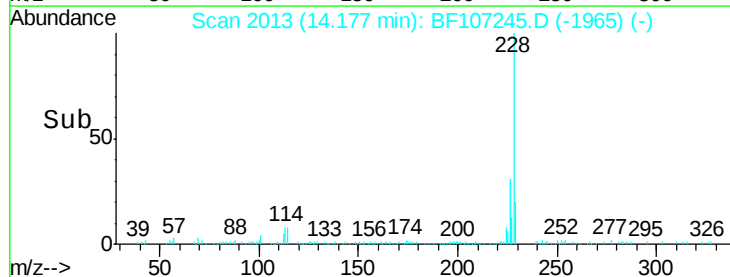
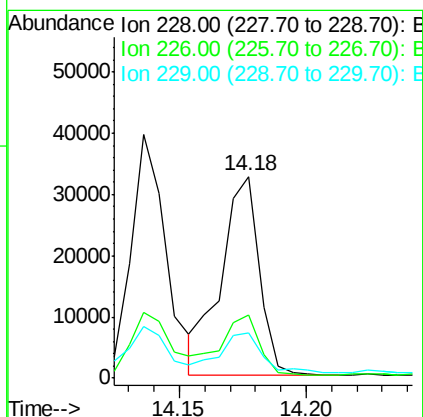
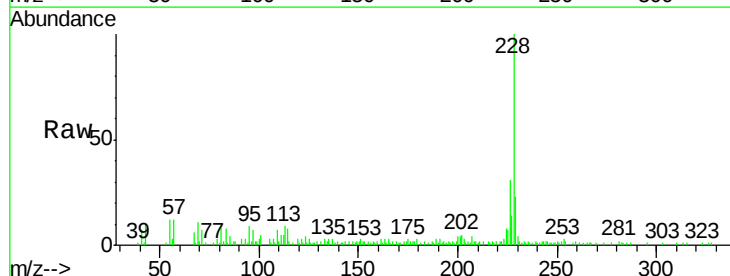
Instrument :
BNA_F
ClientSampled :
DFTPP

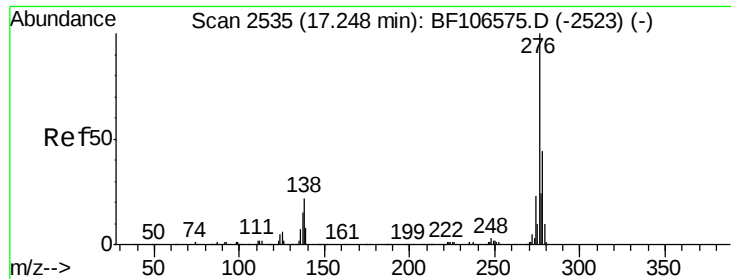
Tgt Ion:228 Resp: 38887
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 21.3 15.8 23.6



#82
Chrysene
Concen: 9.323 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion:228 Resp: 34364
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 22.6 16.2 24.4

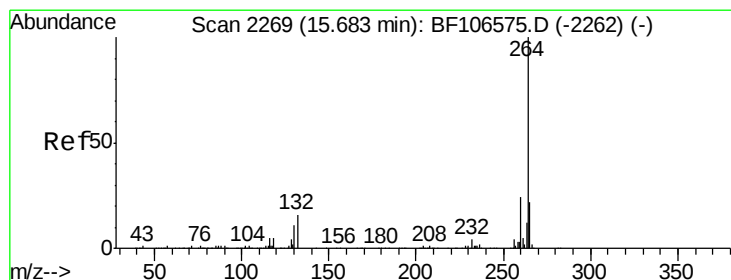
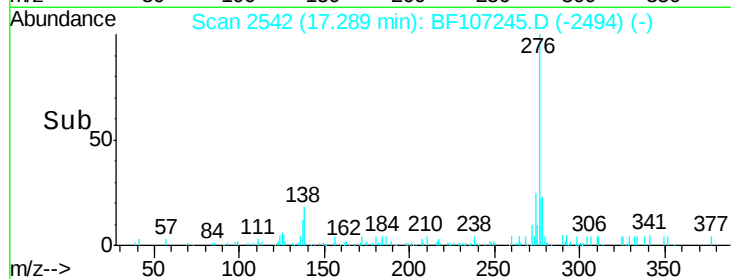
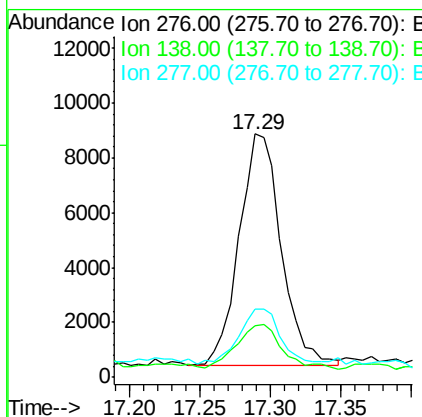
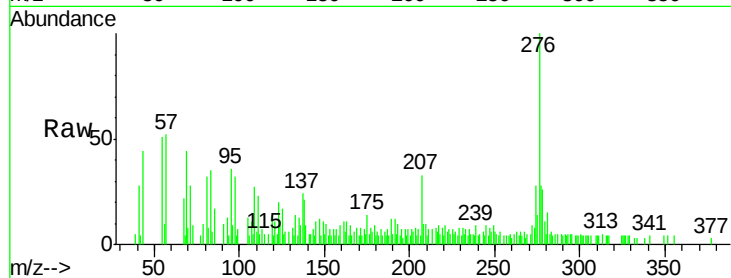




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.645 ng
 RT: 17.29 min Scan# 2542
 Delta R.T. -0.02 min
 Lab File: BF107245.D
 Acq: 9 Jul 2018 22:36

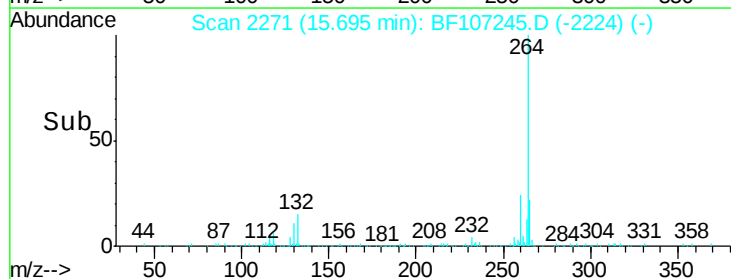
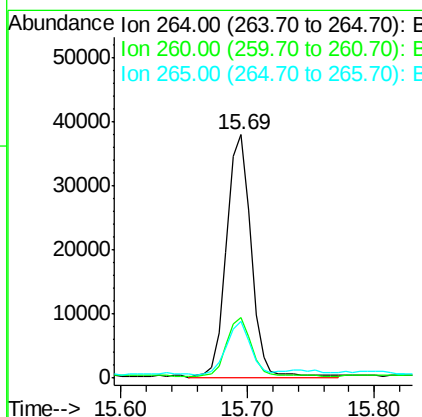
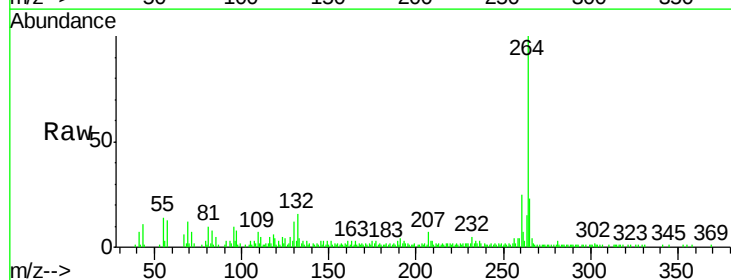
Instrument :
 BNA_F
 ClientSampleId :
 DFTPP

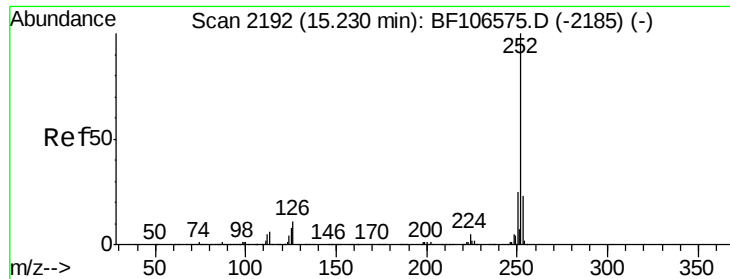
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	25.0	37.6#
277	23.0	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF107245.D
 Acq: 9 Jul 2018 22:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.2	17.5	26.3

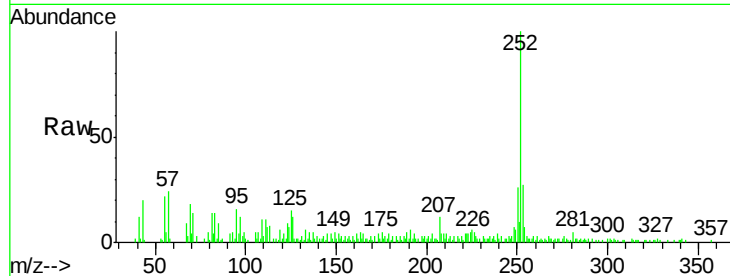




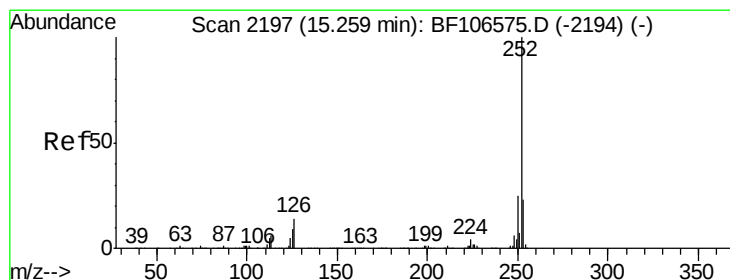
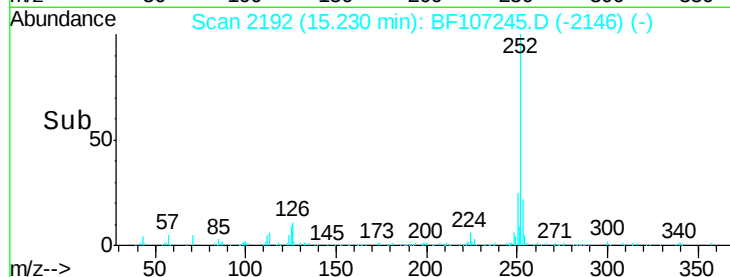
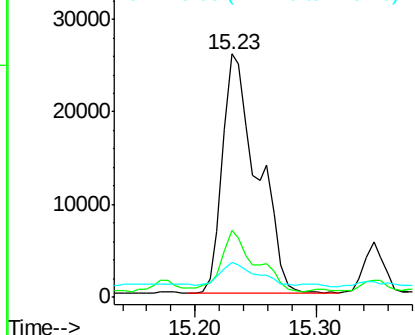
#87
Benzo(b)fluoranthene
Concen: 16.065 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Instrument :
BNA_F
ClientSampleId :
DFTPP

Tgt Ion:252 Resp: 51996
Ion Ratio Lower Upper
252 100
253 27.2 17.0 25.6#
125 14.6 9.0 13.6#

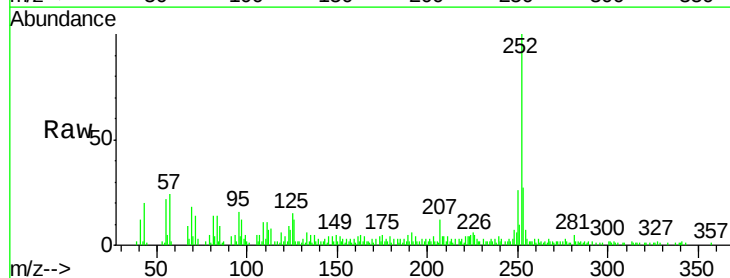


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

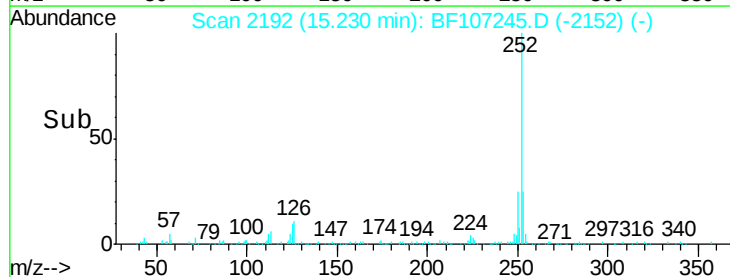
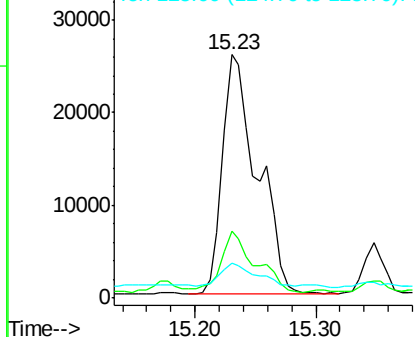


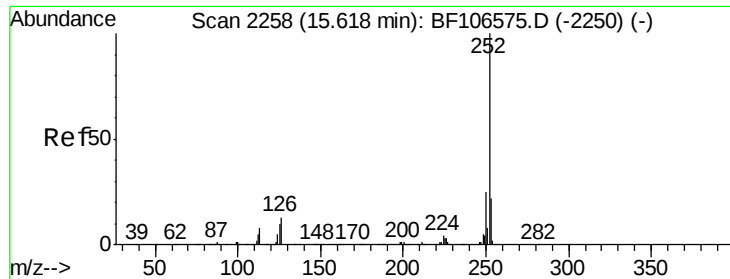
#88
Benzo(k)fluoranthene
Concen: 16.869 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF107245.D
Acq: 9 Jul 2018 22:36

Tgt Ion:252 Resp: 51996
Ion Ratio Lower Upper
252 100
253 27.2 17.9 26.9#
125 14.6 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: 9.092 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.03 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

ClientSampleId :

DFTPP

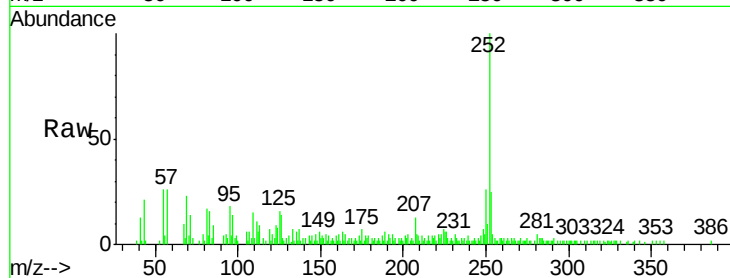
Tgt Ion:252 Resp: 26162

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

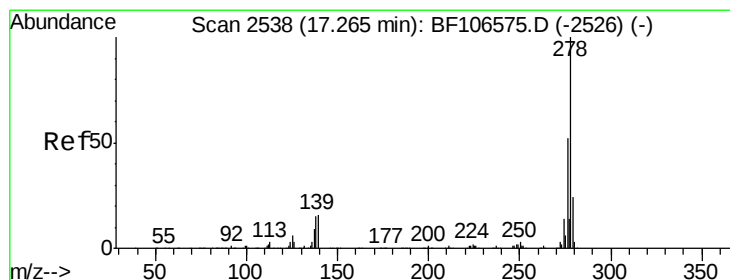
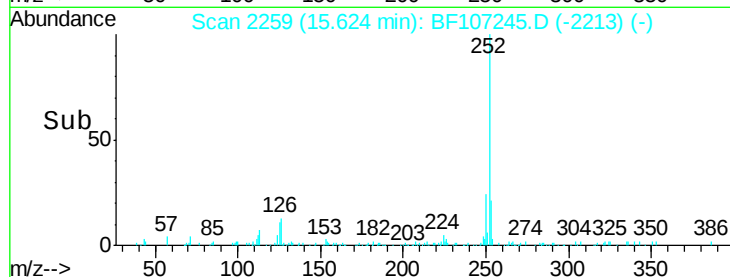
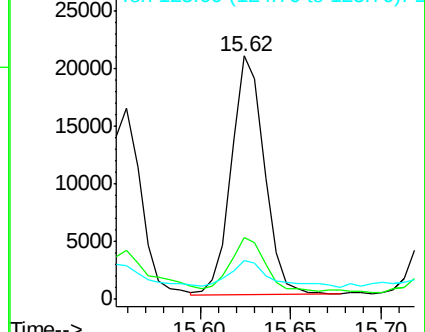
125 15.7 9.8 14.6#



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



#90

Dibenzo(a,h)anthracene

Concen: 2.250 ng

RT: 17.28 min Scan# 2541

Delta R.T. -0.04 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

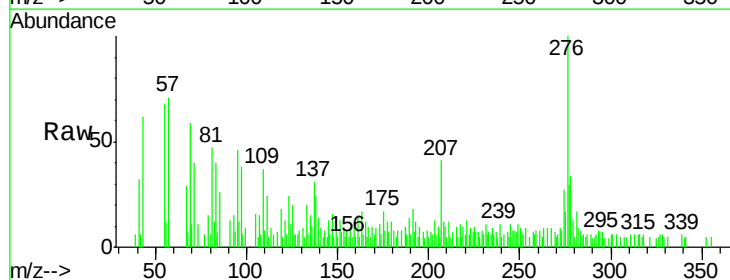
Tgt Ion:278 Resp: 5487

Ion Ratio Lower Upper

278 100

139 40.2 15.9 23.9#

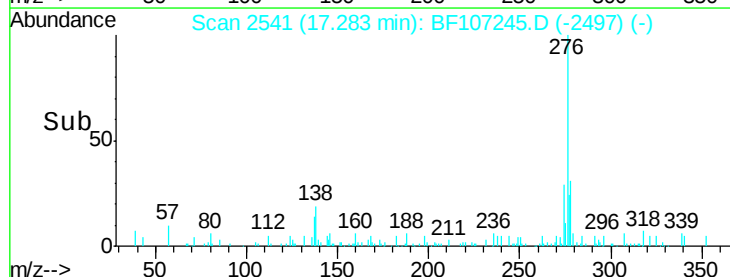
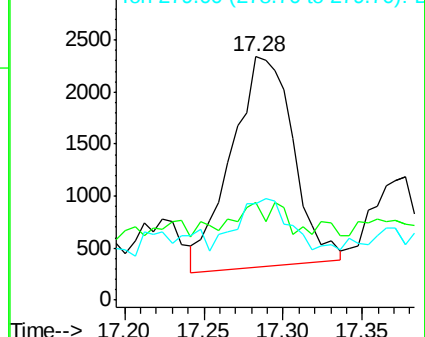
279 39.3 19.0 28.4#

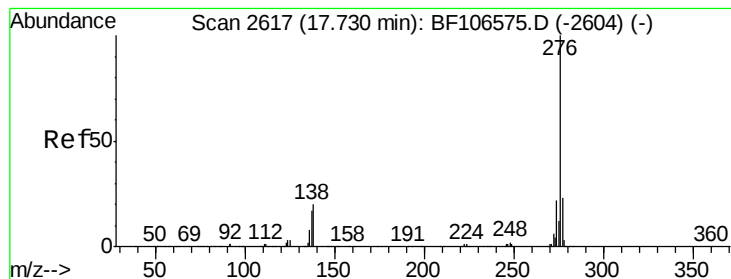


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 7.483 ng

RT: 17.79 min Scan# 2627

Delta R.T. -0.00 min

Lab File: BF107245.D

Acq: 9 Jul 2018 22:36

Instrument :

BNA_F

ClientSampleId :

DFTPP

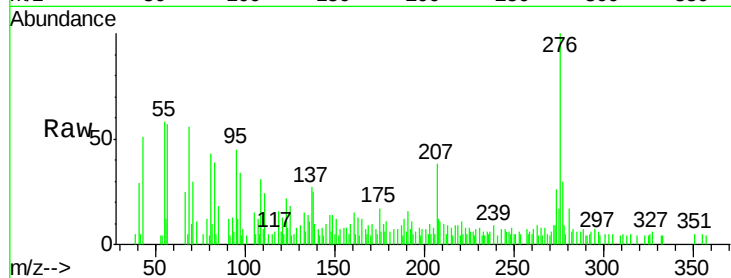
Tgt Ion: 276 Resp: 17835

Ion Ratio Lower Upper

276 100

277 30.1 17.9 26.9#

138 24.9 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

