

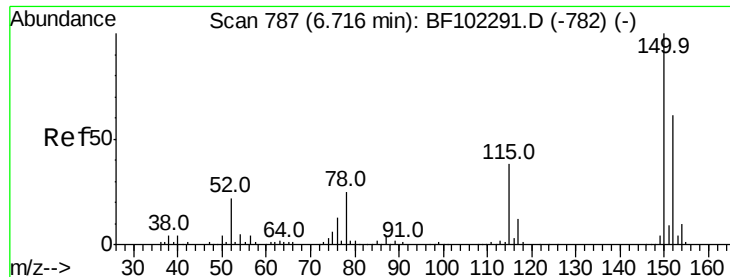
Data Path : U:\HPCHEM1\BNA F\DATA\BF013118\
 Data File : BF102663.D
 Acq On : 31 Jan 2018 19:10
 Operator : SJ/JU
 Sample : J1015-20 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 01 00:00:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 18:38:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	138548	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	592746	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	258935	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	410428	20.00	ng	0.00
75) Chrysene-d12	13.86	240	248177	20.00	ng	-0.01
86) Perylene-d12	15.28	264	269134	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	10580	1.16	ng	0.02
7) Phenol-d6	6.39	99	19237	1.75	ng	0.03
23) Nitrobenzene-d5	7.29	82	12473	1.21	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	4153	1.62	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	31967	1.82	ng	0.00
78) Terphenyl-d14	12.80	244	23588	2.14	ng	-0.01
Target Compounds						
50) 2,6-Dinitrotoluene	9.73	165	32228	6.984	ng	# 24
56) 2,4-Dinitrotoluene	9.73	165	32228	5.679	ng	# 22
74) Fluoranthene	12.43	202	65248	2.675	ng	99
77) Pyrene	12.66	202	52023	2.711	ng	99
87) Benzo(b)fluoranthene	14.88	252	40203	2.305	ng	# 82
88) Benzo(k)fluoranthene	14.88	252	40203	2.439	ng	# 85

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

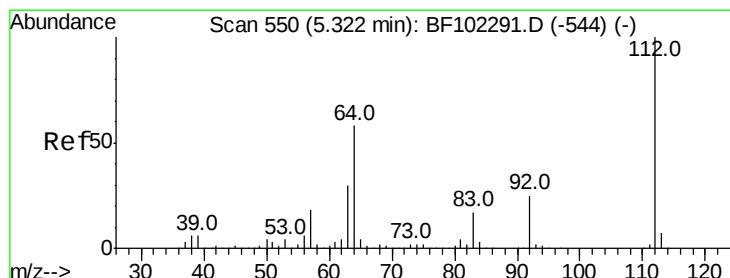
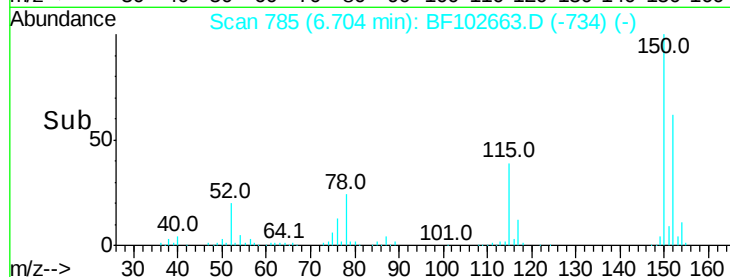
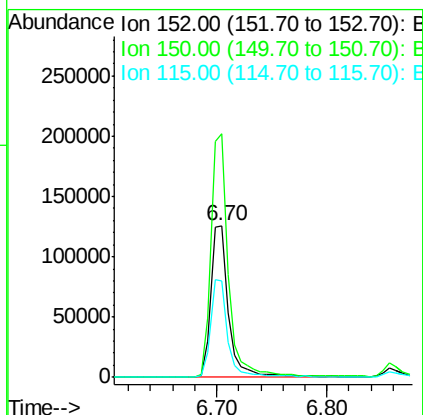
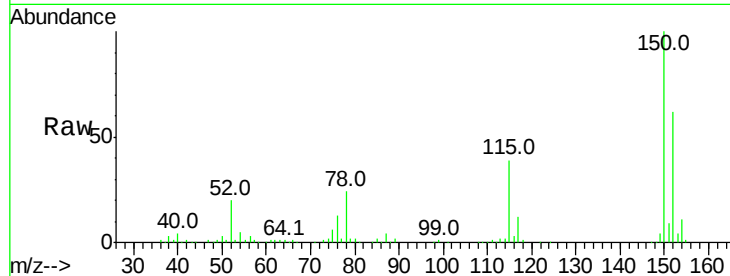


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF102663.D
Acq: 31 Jan 2018 19:10

Instrument :
BNA_F
ClientSampleId :

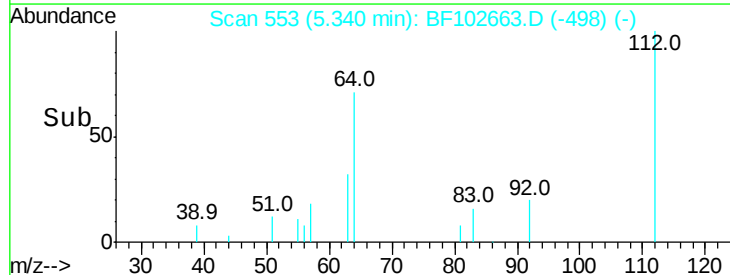
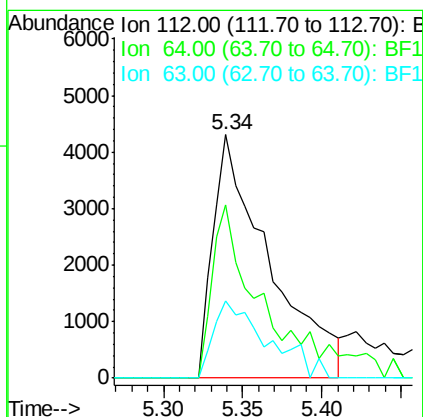
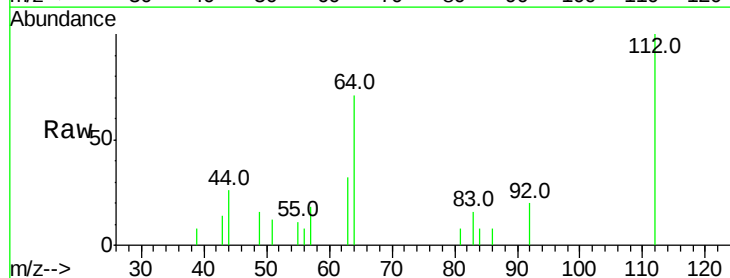
Tot Ion:152 Resp: 138548
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 63.4 50.1 75.1

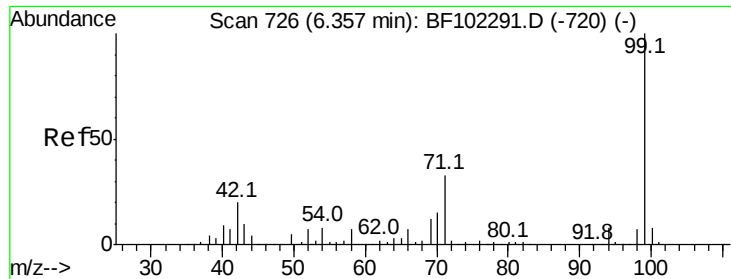


#5

2-Fluorophenol
Concen: 1.158 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102663.D
Acq: 31 Jan 2018 19:10

Tgt Ion:112 Resp: 10580
Ion Ratio Lower Upper
112 100
64 71.4 47.9 71.9
63 31.8 23.7 35.5





#7

Phenol-d6

Concen: 1.746 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.03 min

Lab File: BF102663.D

Acq: 31 Jan 2018 19:10

Instrument :

BNA_F

ClientSampleId :

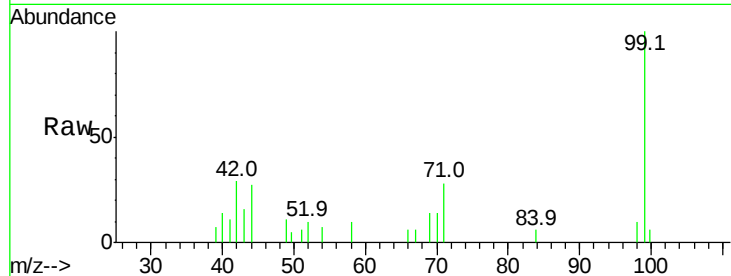
Tot Ion: 99 Resp: 19237

Ion Ratio Lower Upper

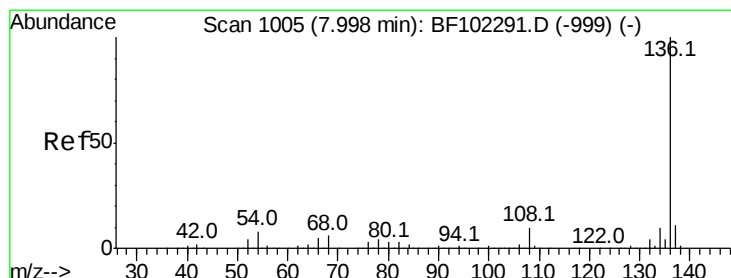
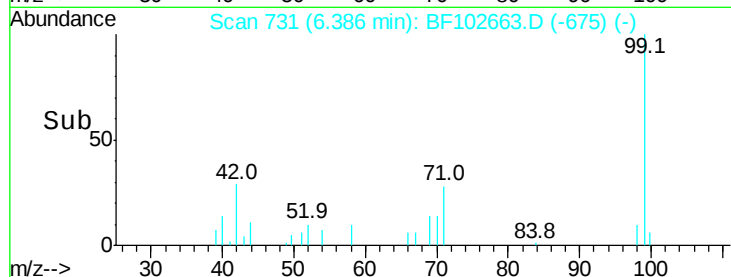
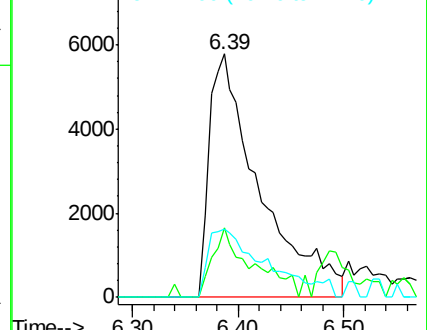
99 100

42 28.6 14.5 21.7#

71 28.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF102663.D

Acq: 31 Jan 2018 19:10

Tgt Ion: 136 Resp: 592746

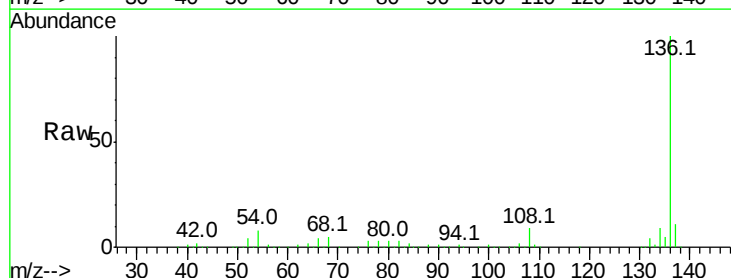
Ion Ratio Lower Upper

136 100

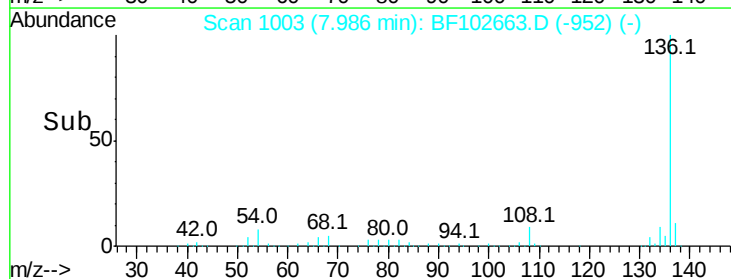
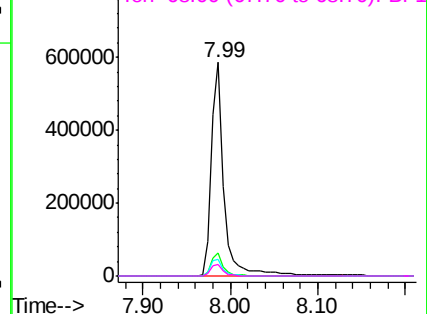
137 11.1 8.9 13.3

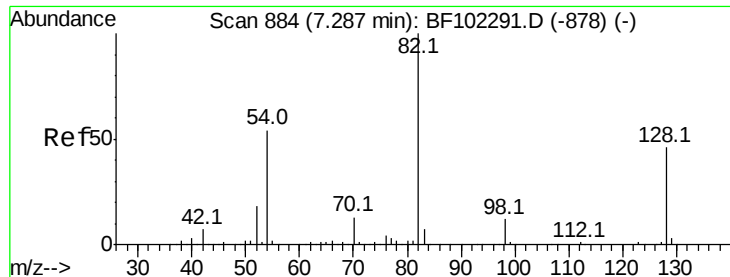
54 7.9 6.6 9.8

68 5.2 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: 1.209 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.01 min

Lab File: BF102663.D

Acq: 31 Jan 2018 19:10

Instrument :

BNA_F

ClientSampled :

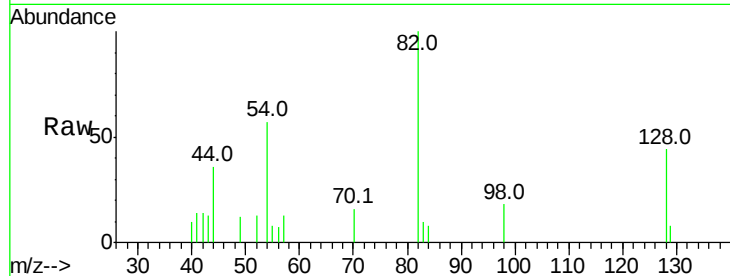
Tot Ion: 82 Resp: 12473

Ion Ratio Lower Upper

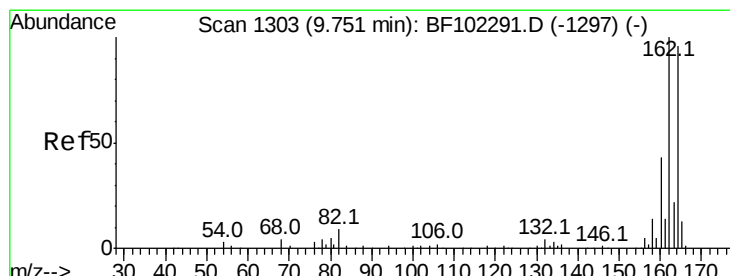
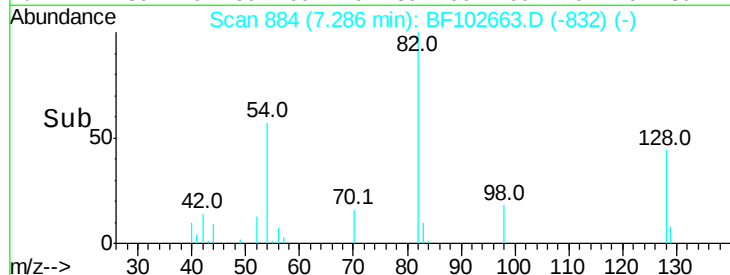
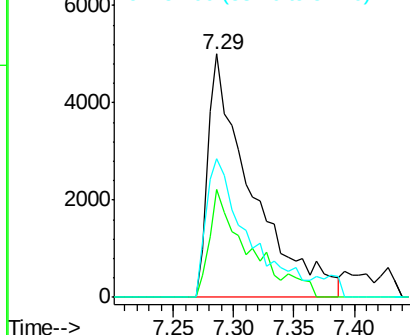
82 100

128 44.4 36.1 54.1

54 57.1 41.4 62.2



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF102663.D

Acq: 31 Jan 2018 19:10

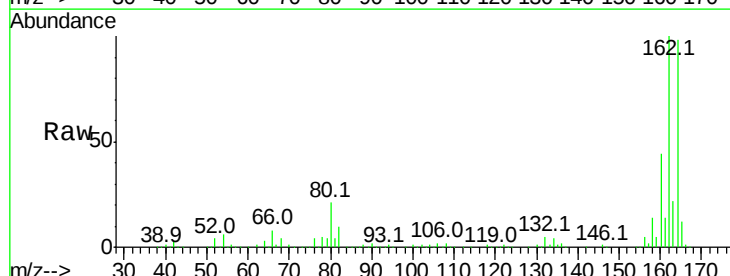
Tgt Ion: 164 Resp: 258935

Ion Ratio Lower Upper

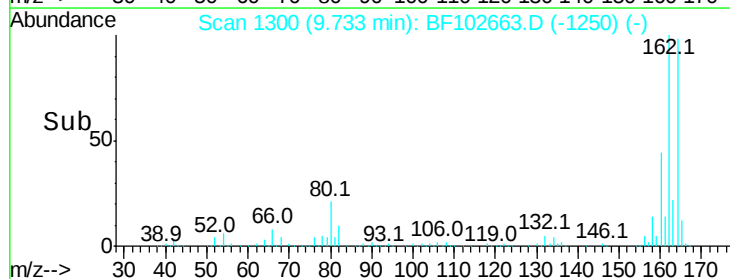
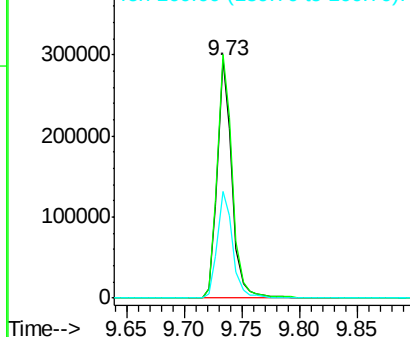
164 100

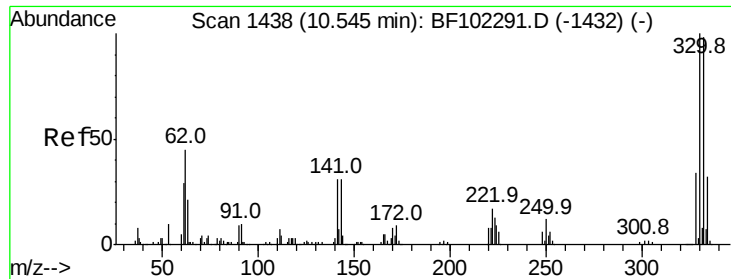
162 102.3 86.1 129.1

160 45.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

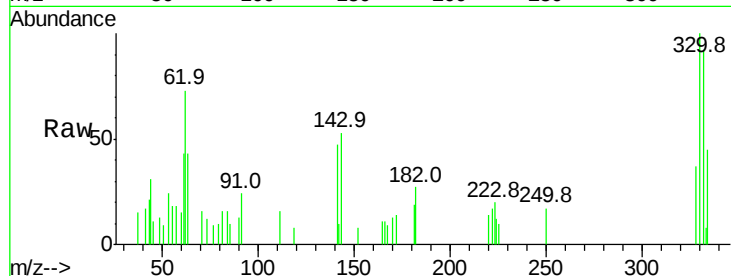




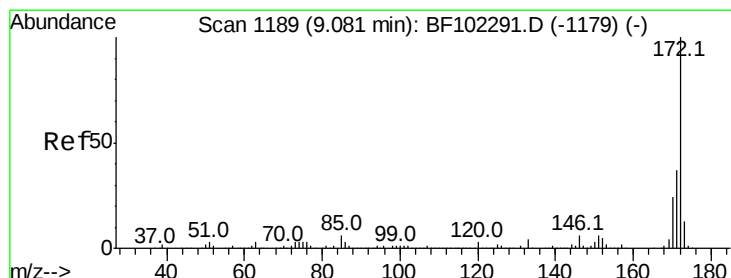
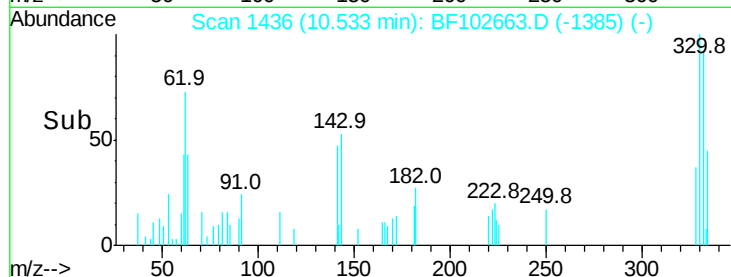
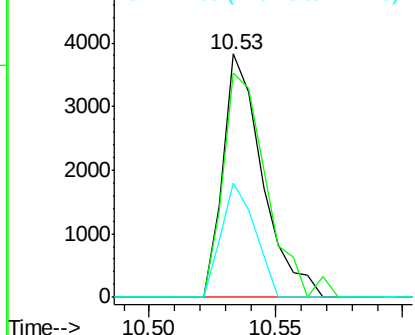
#41
 2,4,6-Tribromophenol
 Concen: 1.619 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. 0.00 min
 Lab File: BF102663.D
 Acq: 31 Jan 2018 19:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 4153
 Ion Ratio Lower Upper
 330 100
 332 101.3 77.0 115.6
 141 40.1 29.9 44.9

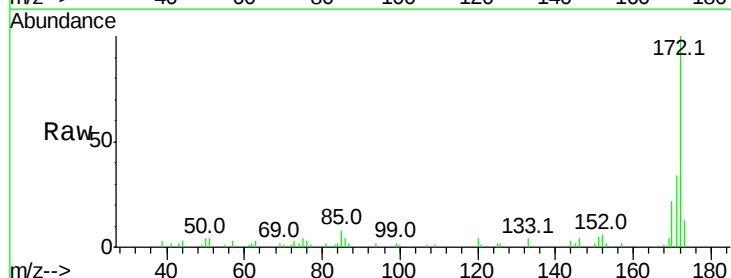


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

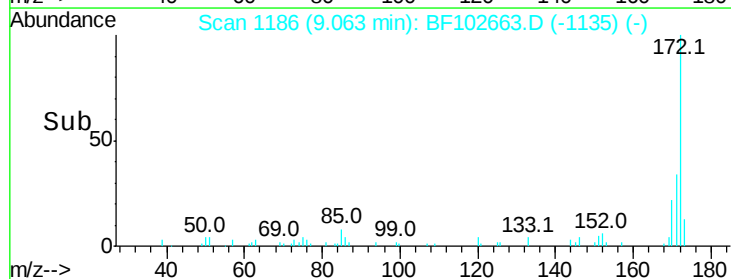
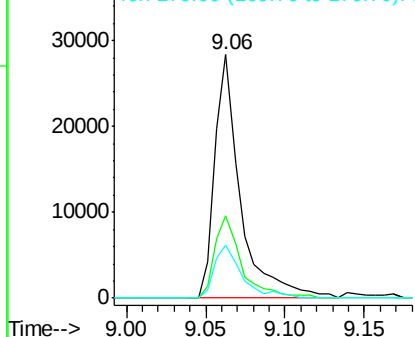


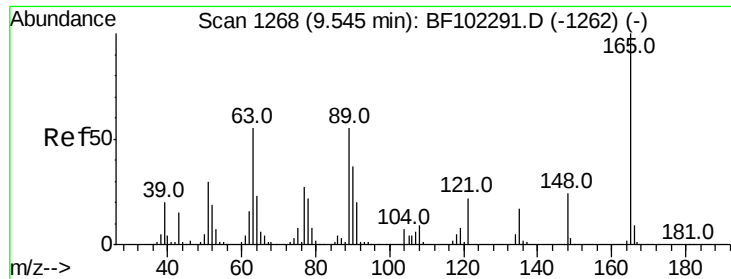
#44
 2-Fluorobiphenyl
 Concen: 1.815 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF102663.D
 Acq: 31 Jan 2018 19:10

Tgt Ion:172 Resp: 31967
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.7 44.5
 170 21.6 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

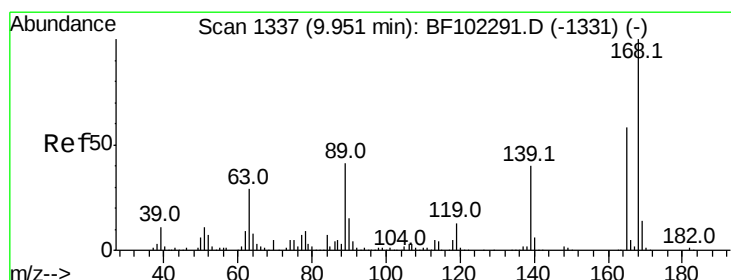
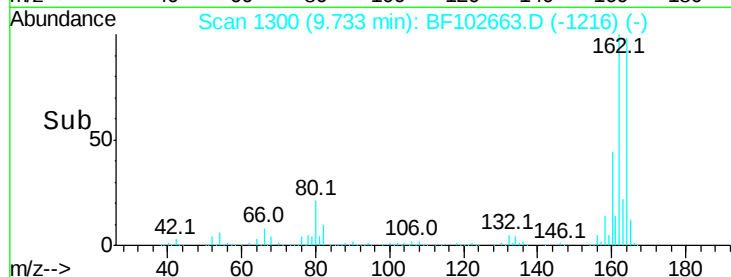
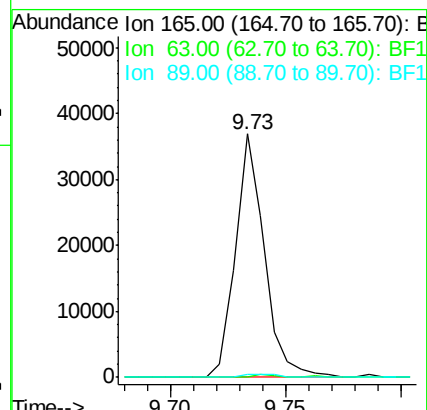
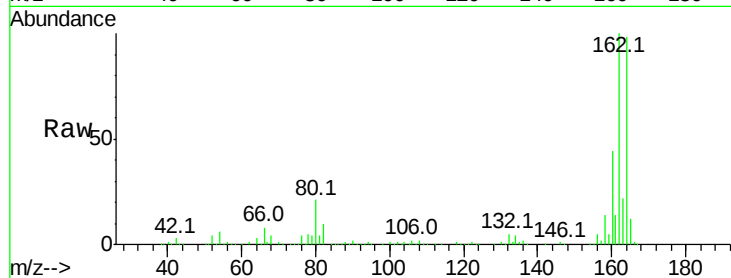




#50
 2,6-Dinitrotoluene
 Concen: 6.984 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.19 min
 Lab File: BF102663.D
 Acq: 31 Jan 2018 19:10

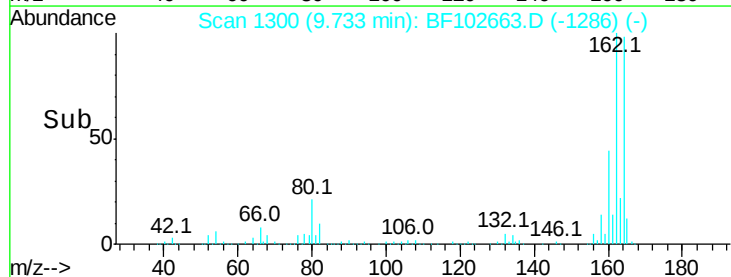
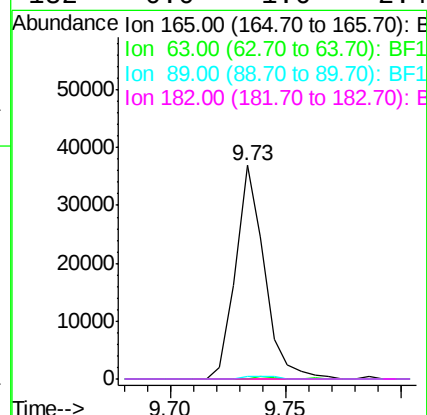
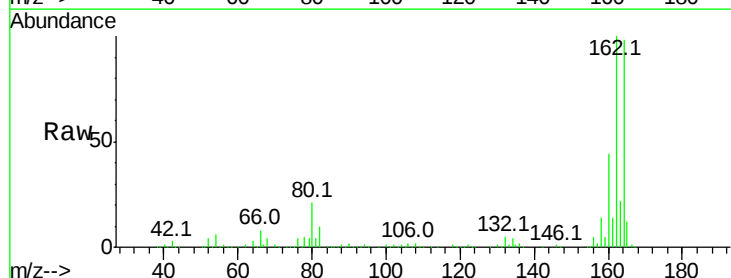
Instrument :
 BNA_F
 ClientSampleId :

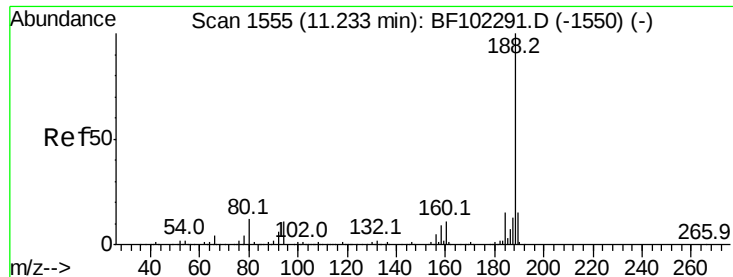
Tot Ion:165 Resp: 32228
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.2 44.0 66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.679 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.22 min
 Lab File: BF102663.D
 Acq: 31 Jan 2018 19:10

Tgt Ion:165 Resp: 32228
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 1.2 57.8 86.6#
 182 0.0 1.6 2.4#

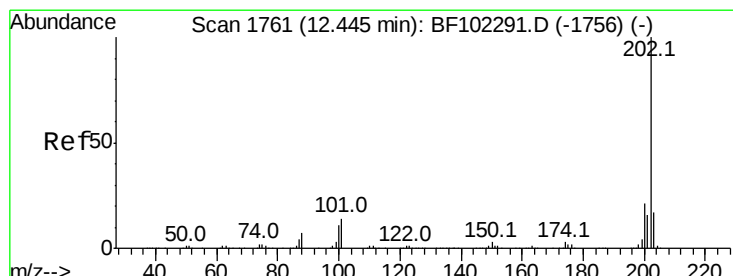
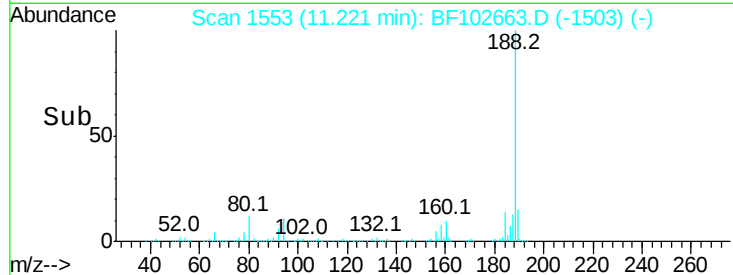
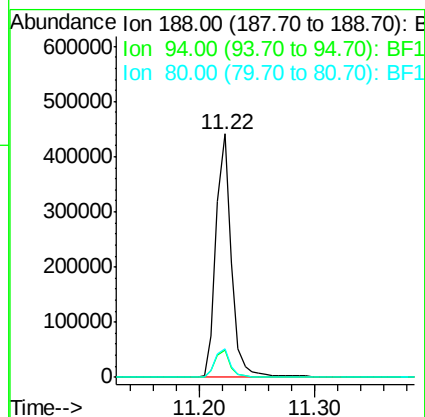
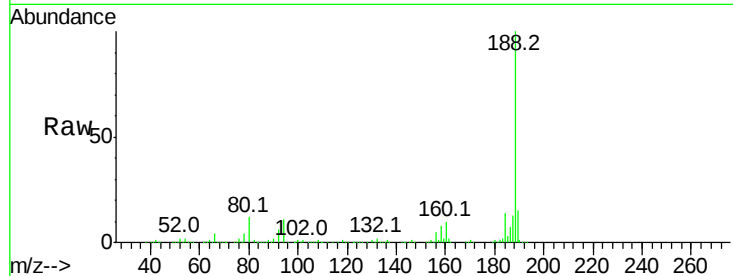




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF102663.D
Acq: 31 Jan 2018 19:10

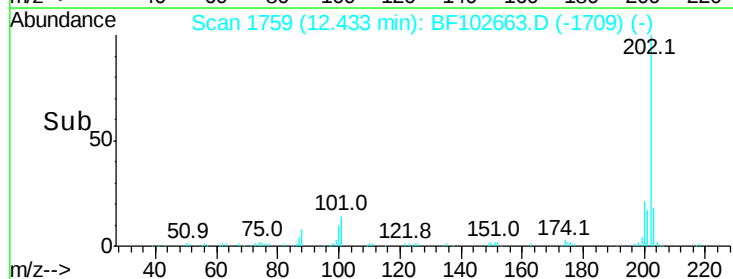
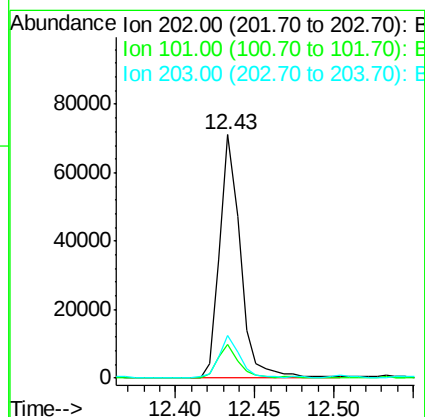
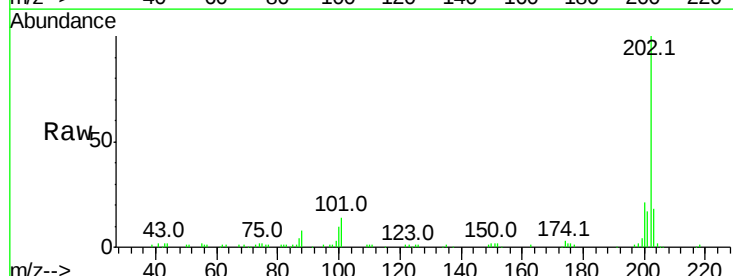
Instrument :
BNA_F
ClientSampled :

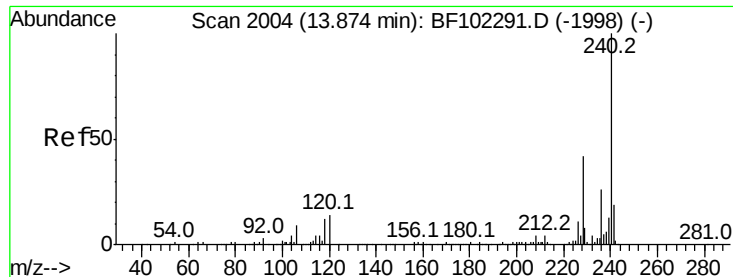
Tot Ion:188 Resp: 410428
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 11.7 9.2 13.8



#74
Fluoranthene
Concen: 2.675 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BF102663.D
Acq: 31 Jan 2018 19:10

Tgt Ion:202 Resp: 65248
Ion Ratio Lower Upper
202 100
101 14.1 0.0 34.1
203 17.7 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF102663.D

Acq: 31 Jan 2018 19:10

Instrument :

BNA_F

ClientSampleId :

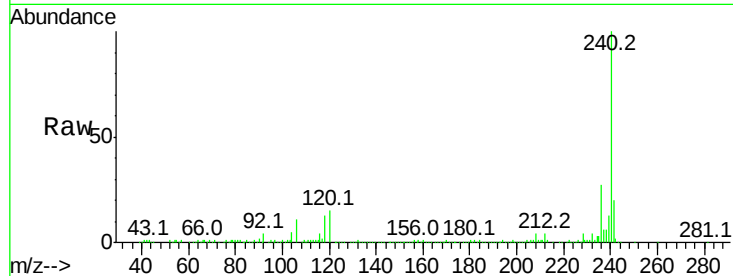
Tot Ion:240 Resp: 248177

Ion Ratio Lower Upper

240 100

120 14.8 9.5 14.3#

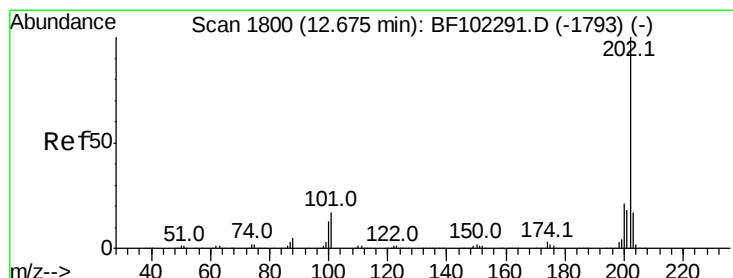
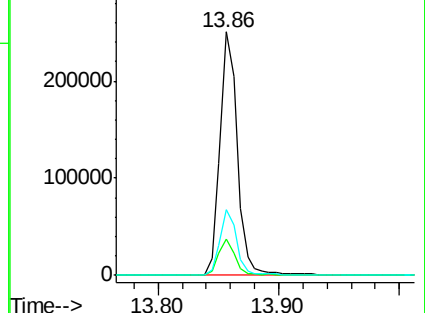
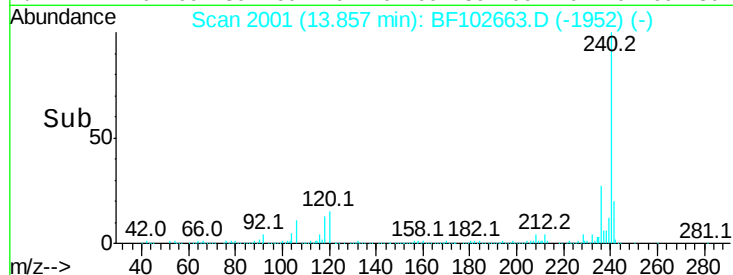
236 27.1 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.711 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF102663.D

Acq: 31 Jan 2018 19:10

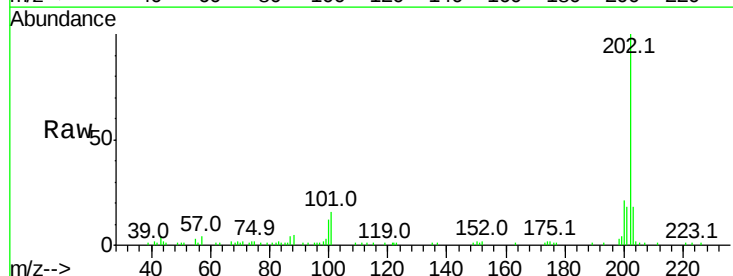
Tgt Ion:202 Resp: 52023

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

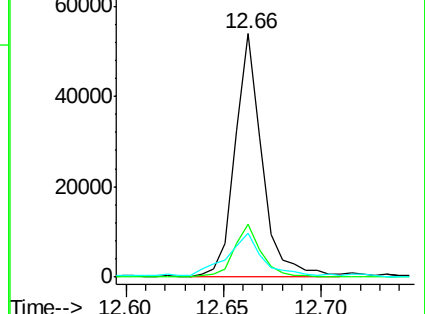
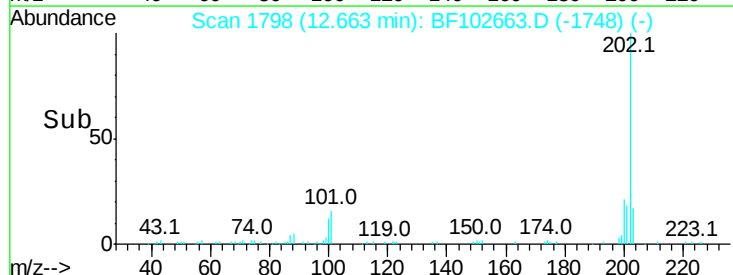
203 18.2 14.3 21.5

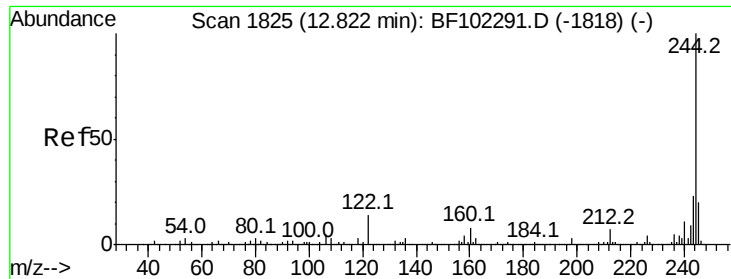


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

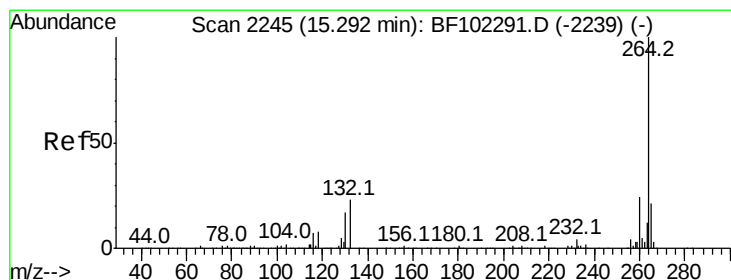
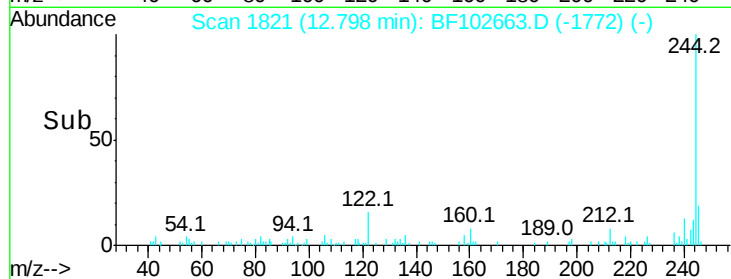
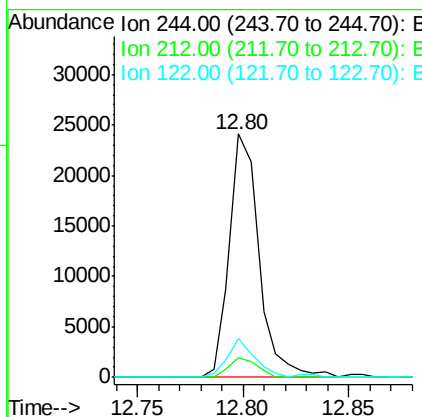
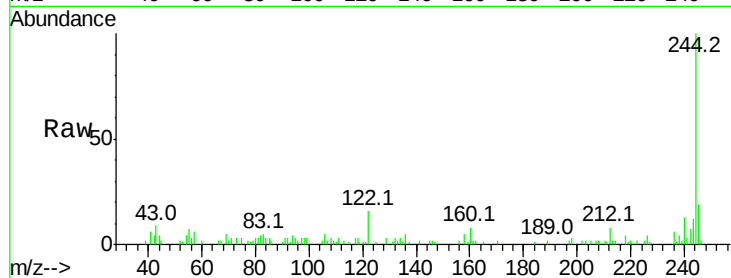




#78
 Terphenyl-d14
 Concen: 2.143 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF102663.D
 Acq: 31 Jan 2018 19:10

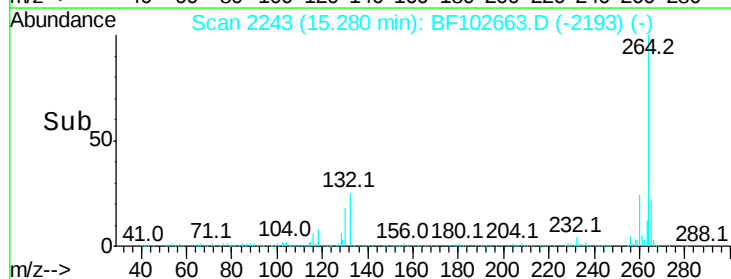
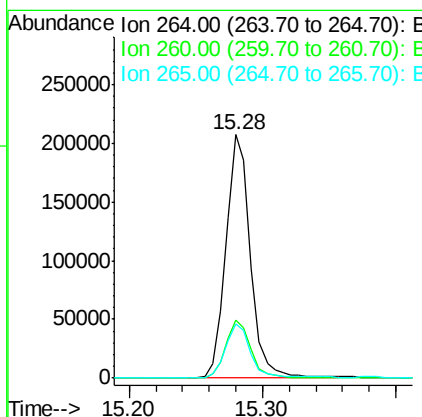
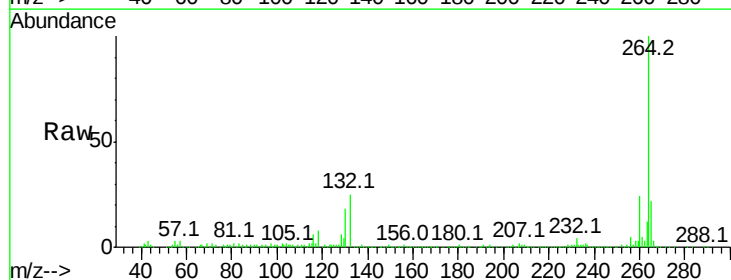
Instrument :
 BNA_F
 ClientSampleId :

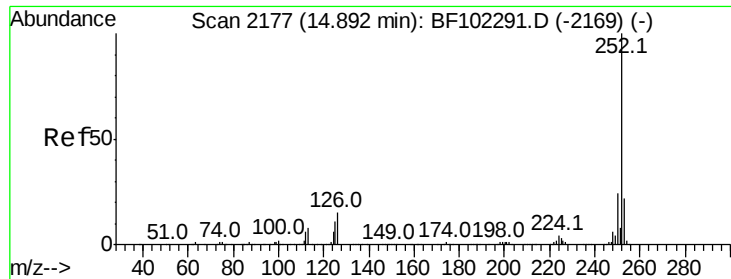
Tot Ion:244 Resp: 23588
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.4 8.0#
 122 15.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF102663.D
 Acq: 31 Jan 2018 19:10

Tgt Ion:264 Resp: 269134
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.0 17.5 26.3

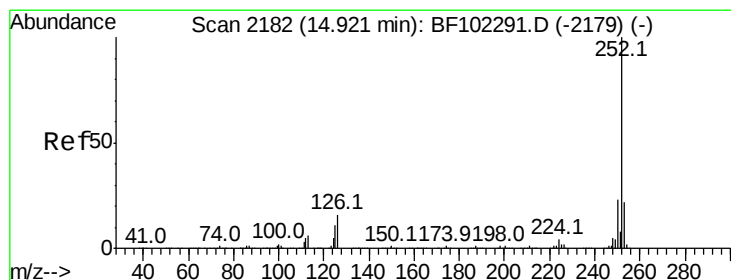
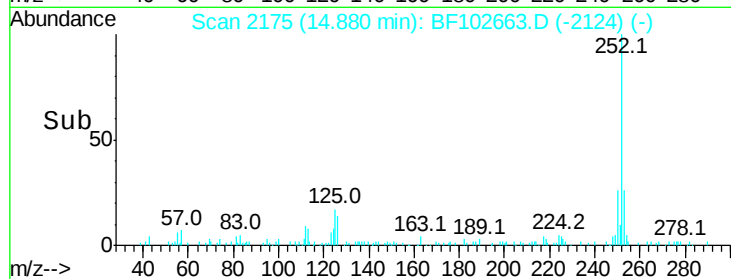
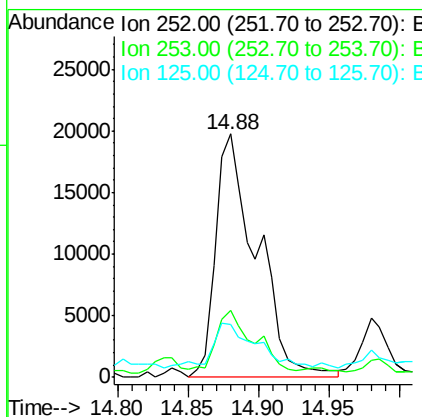
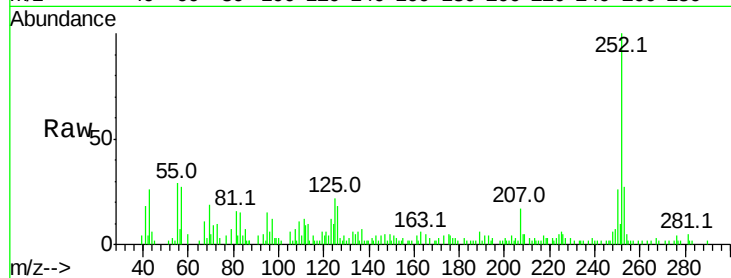




#87
Benzo(b)fluoranthene
Concen: 2.305 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BF102663.D
Acq: 31 Jan 2018 19:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 40203
Ion Ratio Lower Upper
252 100
253 27.5 17.0 25.6#
125 21.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.439 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.03 min
Lab File: BF102663.D
Acq: 31 Jan 2018 19:10

Tgt Ion:252 Resp: 40203
Ion Ratio Lower Upper
252 100
253 27.5 17.9 26.9#
125 21.5 10.2 15.2#

