

Data Path : U:\HPCHEM1\BNA F\DATA\BF013018\
 Data File : BF102652.D
 Acq On : 30 Jan 2018 21:03
 Operator : SJ/JU
 Sample : J1362-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 22:21:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	158398	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	648793	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	265818	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	385444	20.00	ng	0.00
75) Chrysene-d12	13.87	240	285427	20.00	ng	0.00
86) Perylene-d12	15.32	264	238590	20.00	ng	0.01

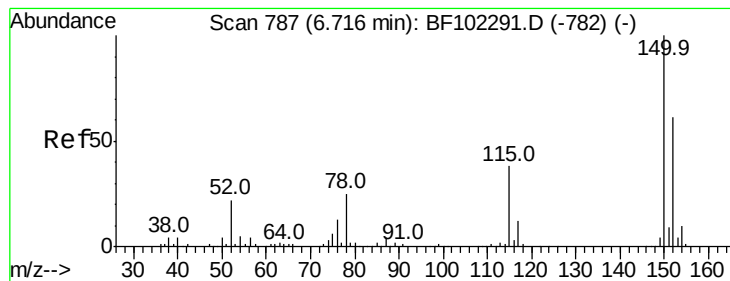
System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	1186468	113.57	ng	0.00
7) Phenol-d6	6.36	99	1417460	112.55	ng	0.00
23) Nitrobenzene-d5	7.28	82	872668	77.30	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	211931	80.46	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1253092	69.31	ng	0.00
78) Terphenyl-d14	12.82	244	834905	65.94	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.49	77	23462	2.691	ng	83
10) Phenol	6.37	94	48933	3.559	ng	87
19) n-Nitroso-di-n-propylamine	7.28	70	116345	15.095	ng	# 80
25) Isophorone	7.28	82	872657	43.357	ng	# 64
48) Acenaphthylene	9.61	152	77077	2.678	ng	98
49) Dimethylphthalate	9.47	163	132080	6.011	ng	97
66) 4-Bromophenyl-phenylether	10.54	248	14528	3.501	ng	# 1
70) Phenanthrene	11.26	178	165091	7.350	ng	99
71) Anthracene	11.31	178	71308	3.110	ng	97
74) Fluoranthene	12.45	202	260551	11.376	ng	99
77) Pyrene	12.67	202	268708	12.176	ng	99
80) Benzo(a)anthracene	13.87	228	125532	7.144	ng	92
82) Chrysene	13.87	228	125532	7.035	ng	96
83) Bis(2-ethylhexyl)phthalate	13.85	149	35270	2.390	ng	95
85) Indeno(1,2,3-cd)pyrene	16.73	276	56284	3.819	ng	98
87) Benzo(b)fluoranthene	14.90	252	212102	13.716	ng	# 84
88) Benzo(k)fluoranthene	14.90	252	212102	14.517	ng	# 87
89) Benzo(a)pyrene	15.26	252	126531	9.072	ng	# 90
91) Benzo(a,h,i)perylene	17.15	276	54373	4.874	ng	# 87

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

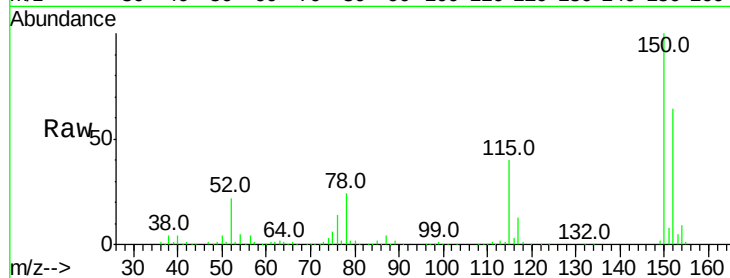


#1

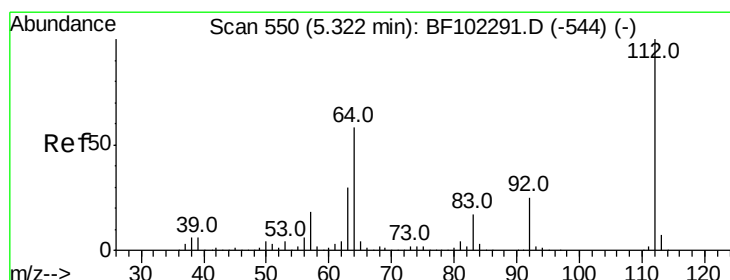
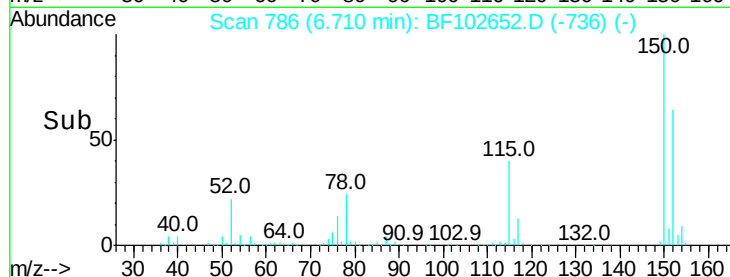
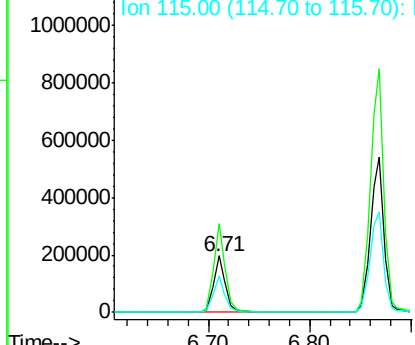
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 158398
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.6 186.8
 115 63.3 50.1 75.1



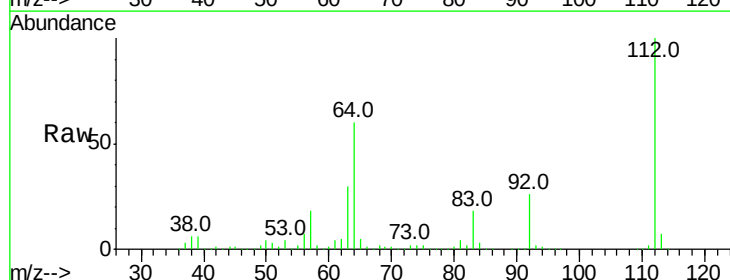
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



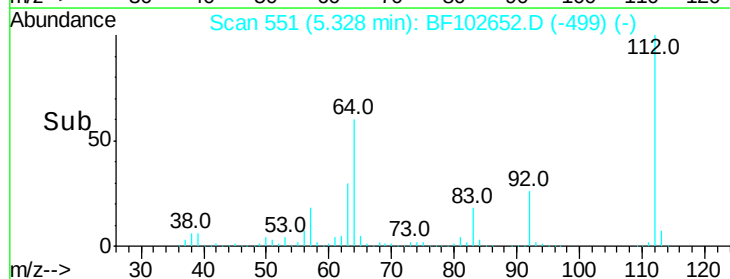
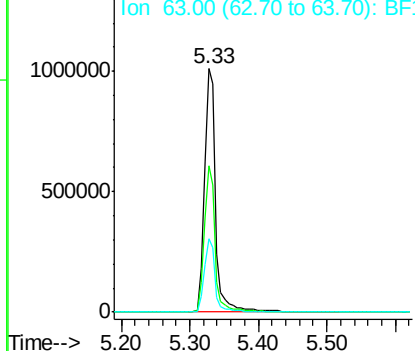
#5

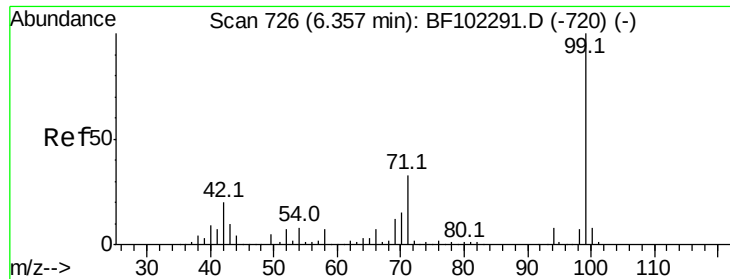
2-Fluorophenol
 Concen: 113.574 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Tgt Ion:112 Resp: 1186468
 Ion Ratio Lower Upper
 112 100
 64 60.3 47.9 71.9
 63 30.4 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: 112.547 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

ClientSampled :

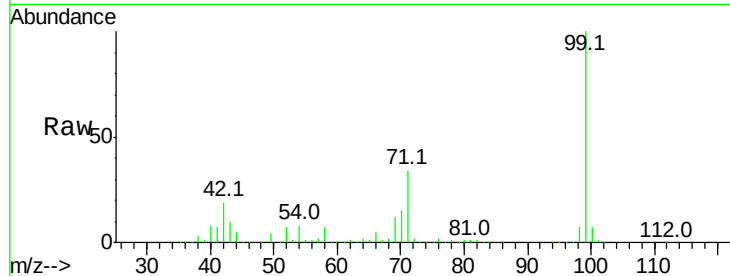
Tot Ion: 99 Resp: 1417460

Ion Ratio Lower Upper

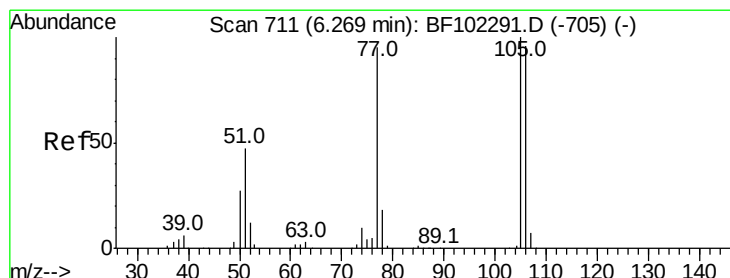
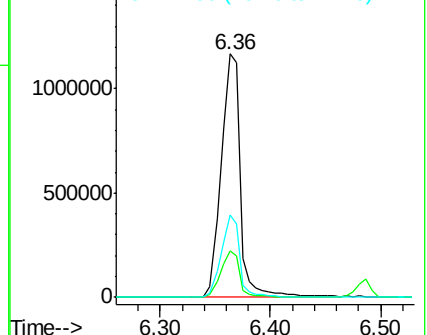
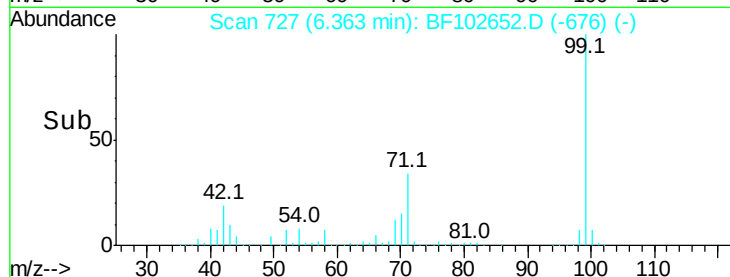
99 100

42 19.1 14.5 21.7

71 33.7 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: 2.691 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

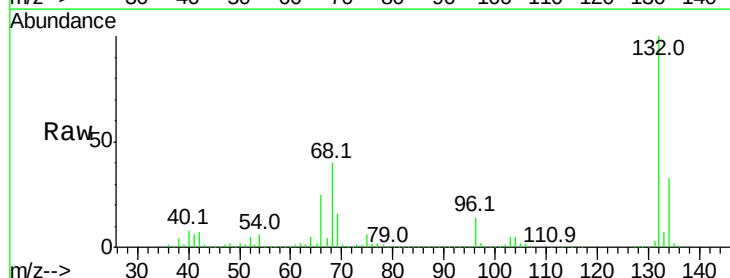
Tgt Ion: 77 Resp: 23462

Ion Ratio Lower Upper

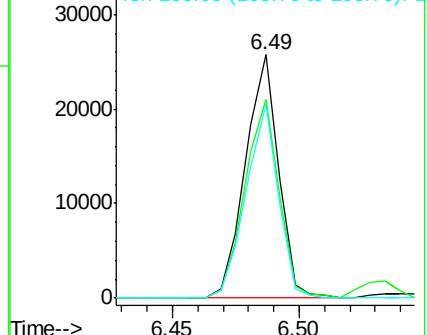
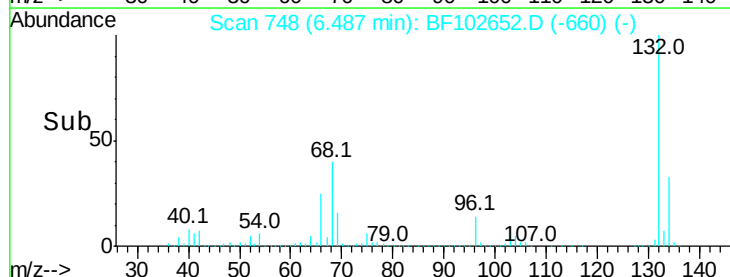
77 100

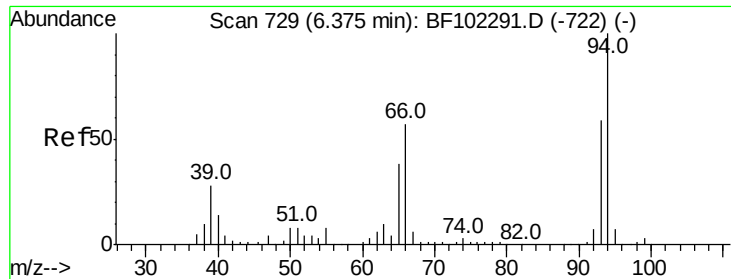
105 81.7 81.1 121.1

106 79.6 74.5 114.5



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

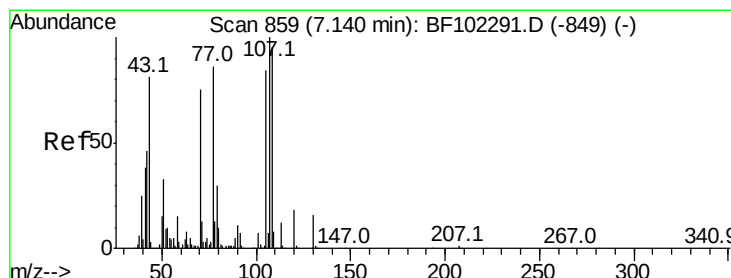
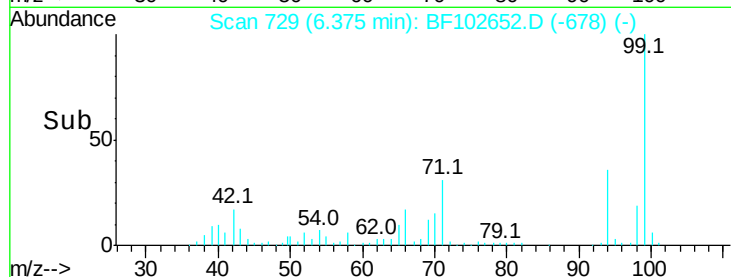
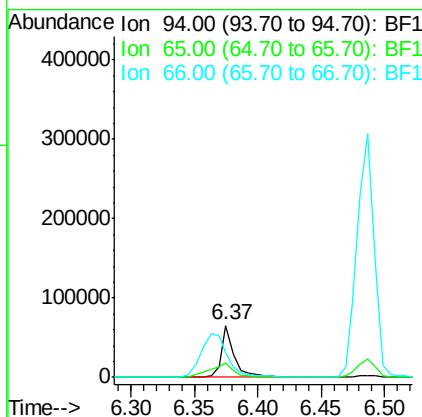
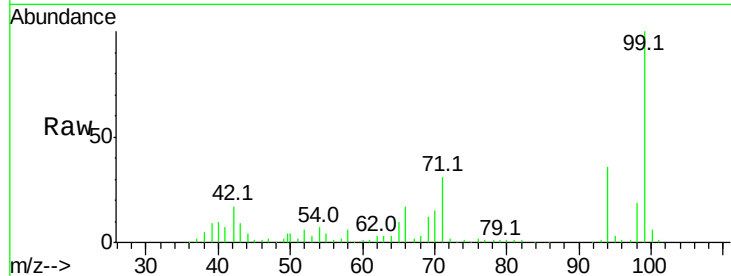




#10
Phenol
Concen: 3.559 ng
RT: 6.37 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

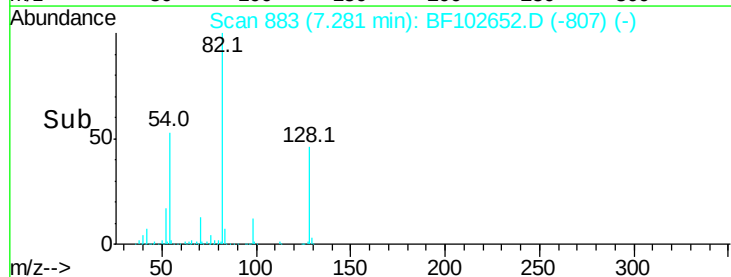
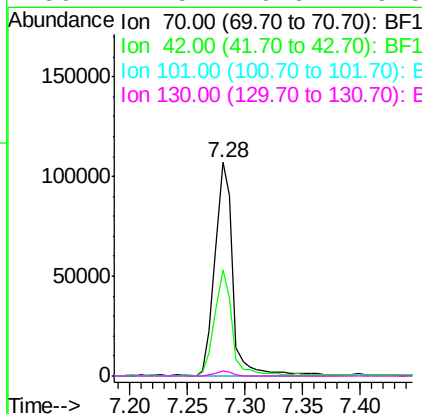
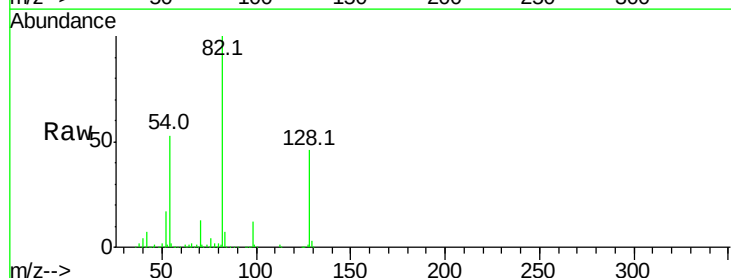
Instrument :
BNA_F
ClientSampled :

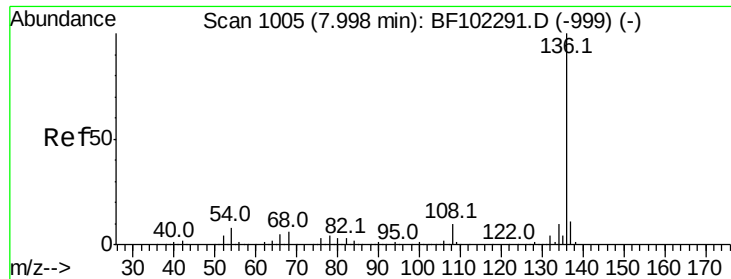
Tot Ion: 94 Resp: 48933
Ion Ratio Lower Upper
94 100
65 29.2 7.9 47.9
66 48.2 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.095 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.15 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion: 70 Resp: 116345
Ion Ratio Lower Upper
70 100
42 50.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

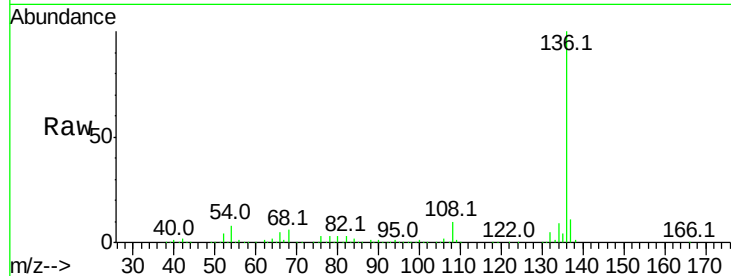




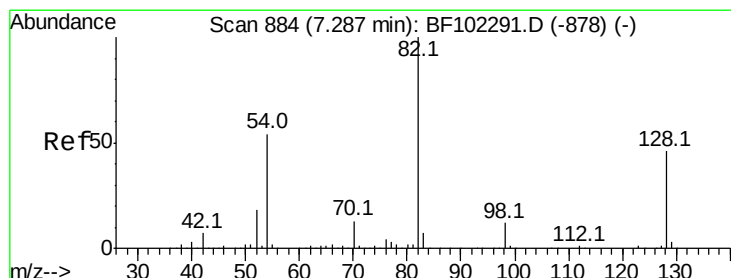
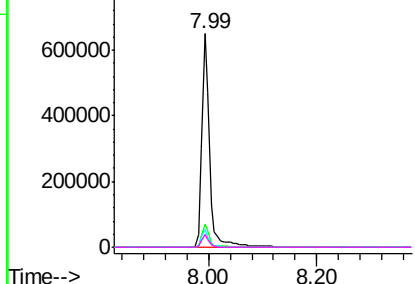
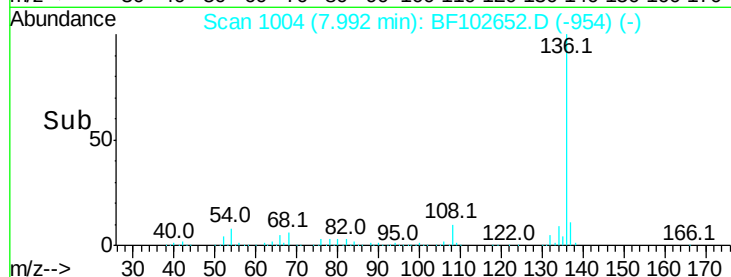
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	648793
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.5	6.6	9.8
68	6.1	5.0	7.4

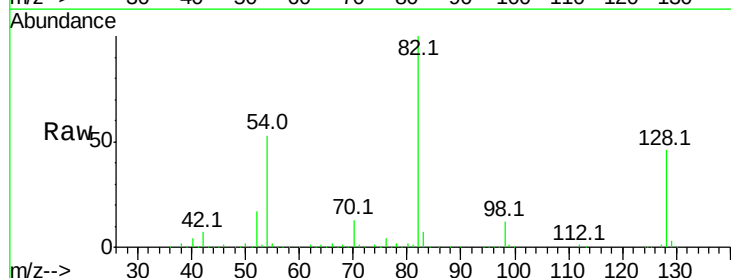


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

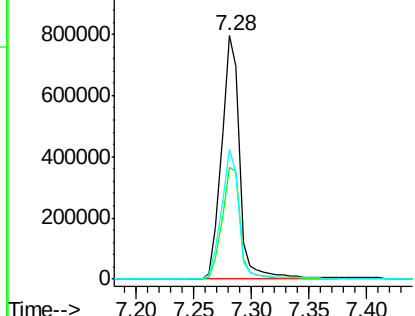
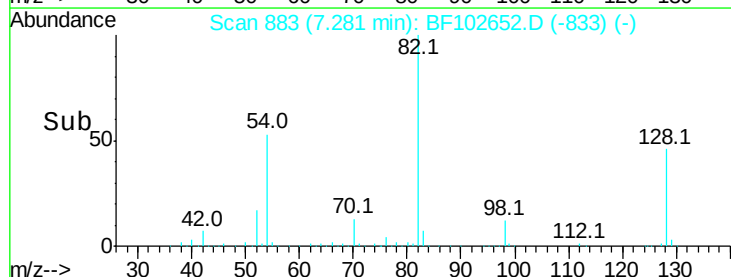


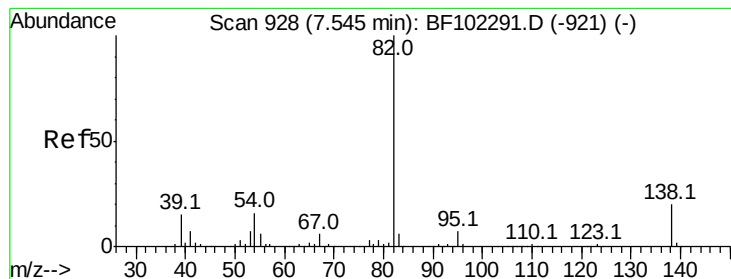
#23
Nitrobenzene-d5
Concen: 77.297 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion:	82	Resp:	872668
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	53.2	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: 43.357 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

ClientSampleId :

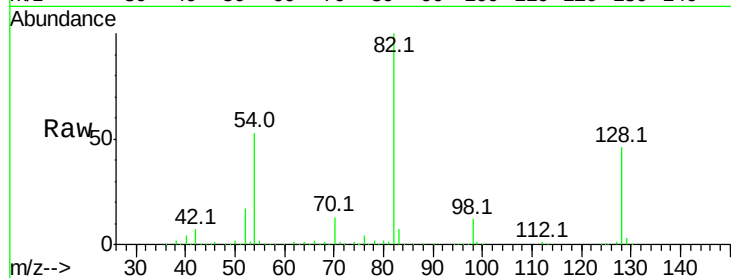
Tot Ion: 82 Resp: 872657

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

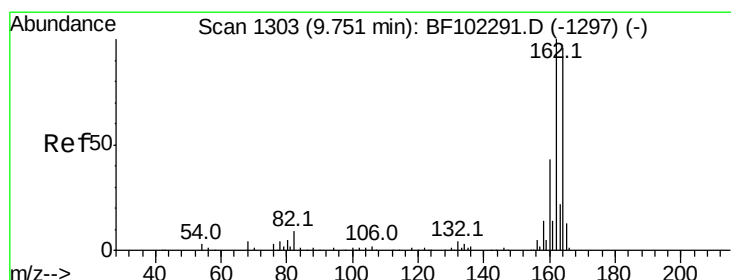
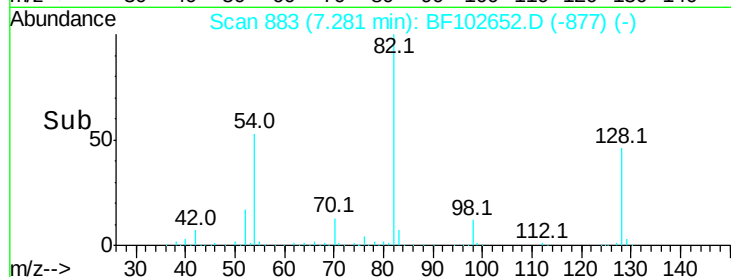
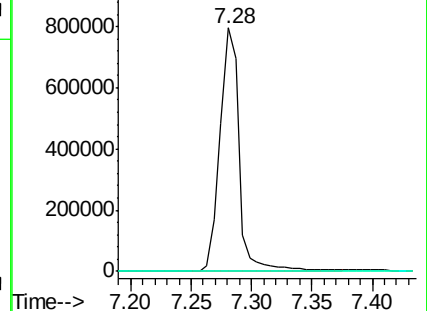
138 0.0 14.9 22.3#



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: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

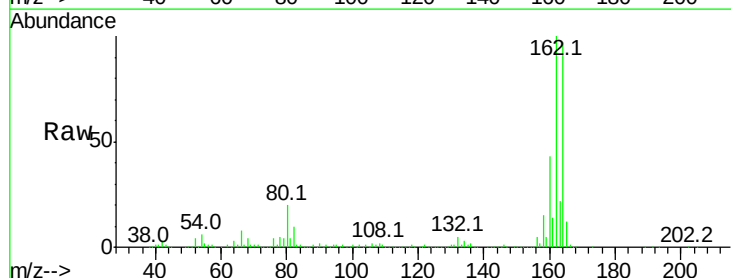
Tgt Ion:164 Resp: 265818

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

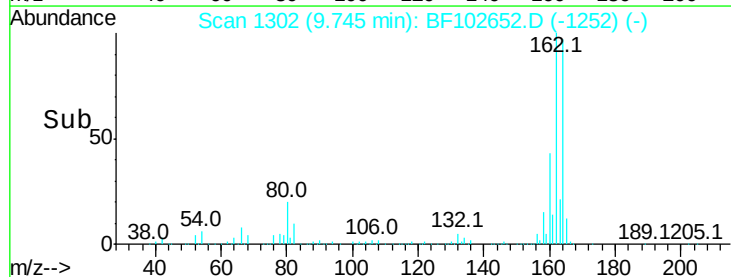
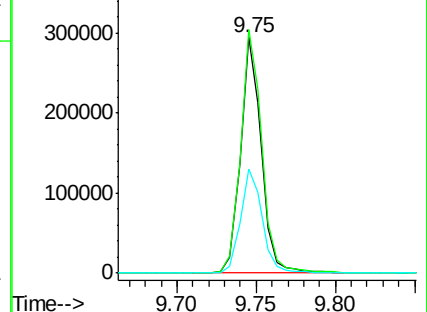
160 44.1 38.3 57.5

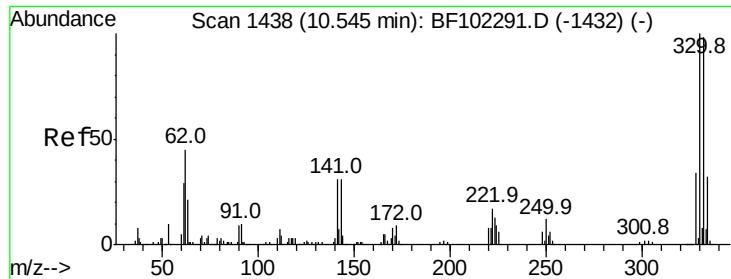


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

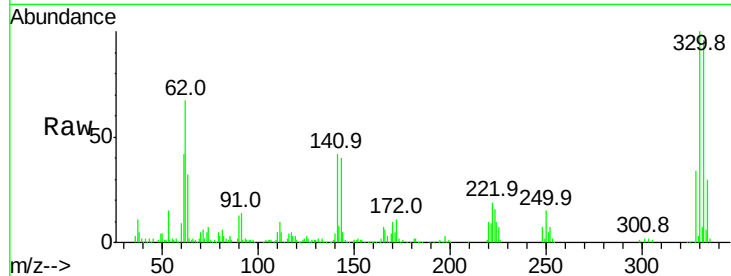




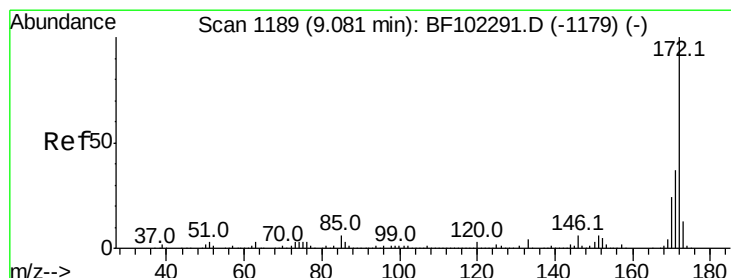
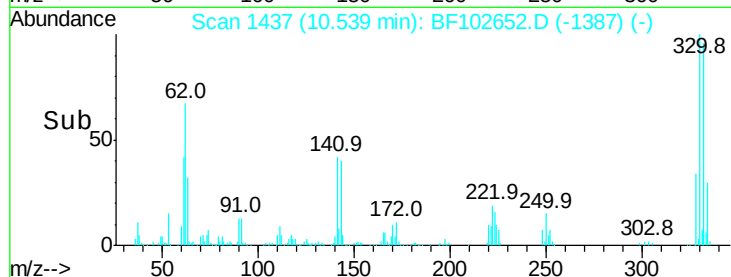
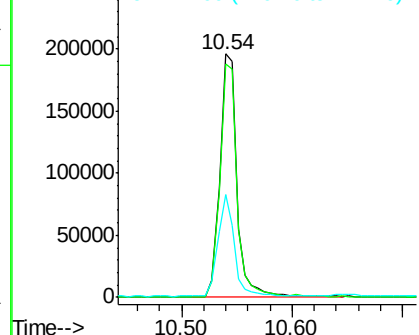
#41
 2,4,6-Tribromophenol
 Concen: 80.464 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	39.4	29.9	44.9

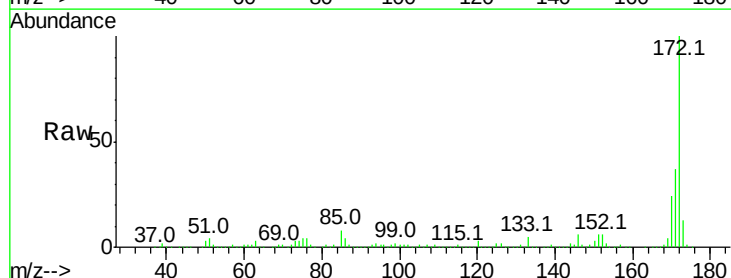


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

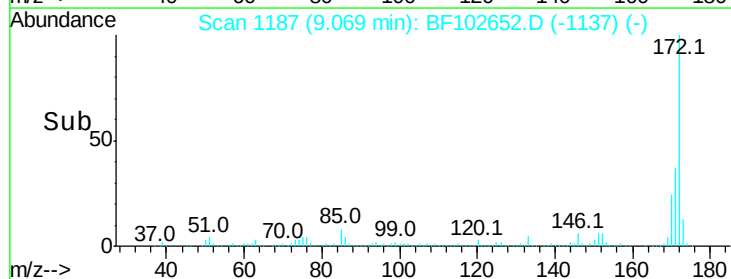
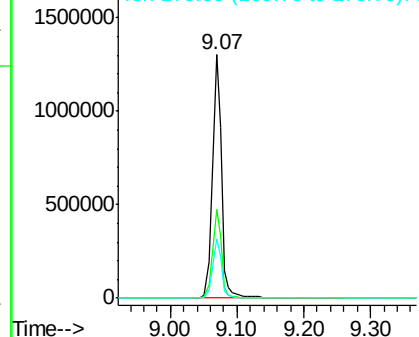


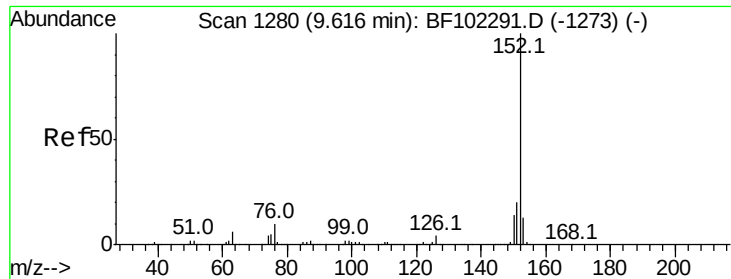
#44
 2-Fluorobiphenyl
 Concen: 69.314 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.3	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

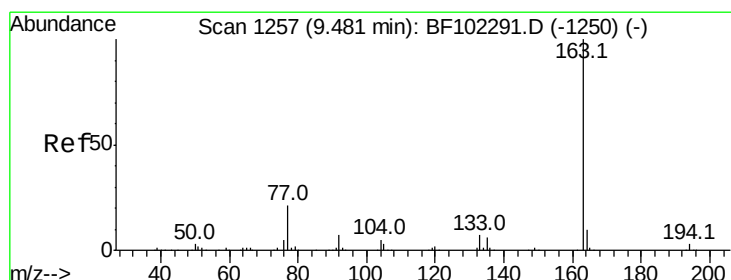
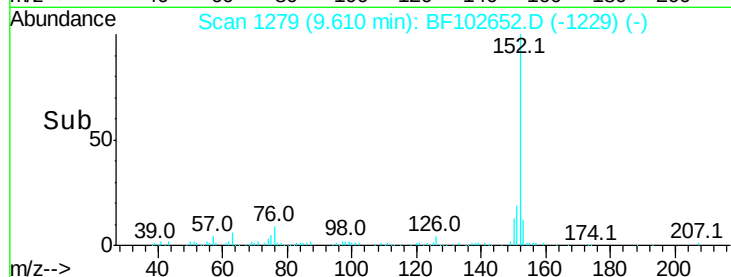
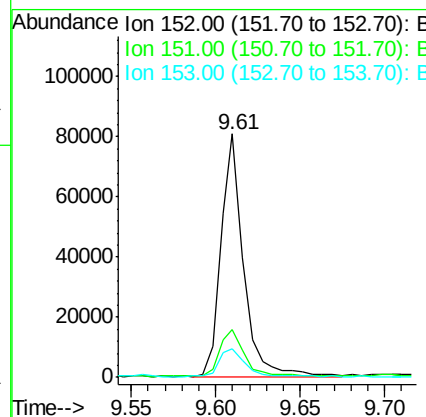
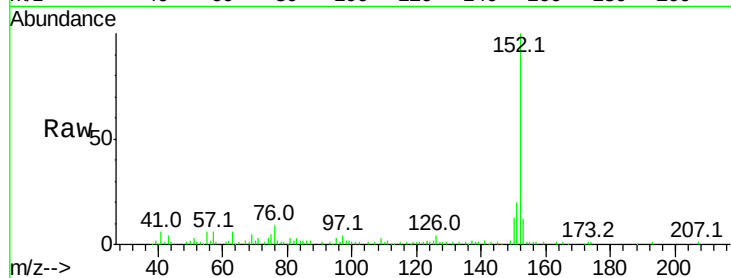




#48
Acenaphthylene
Concen: 2.678 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

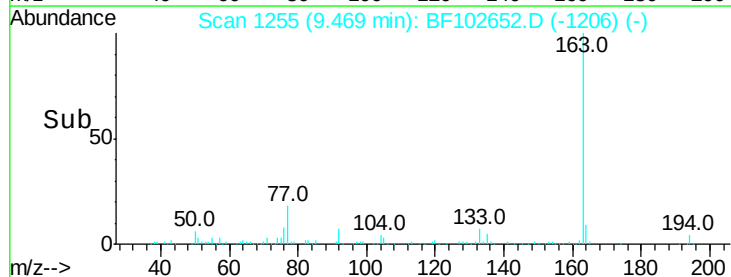
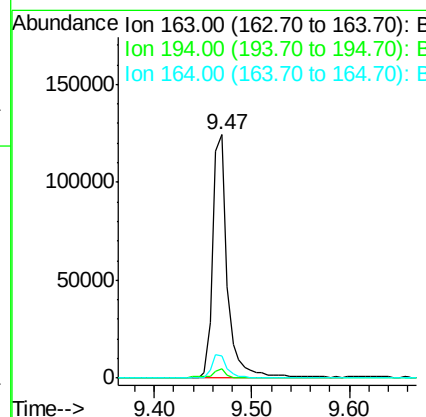
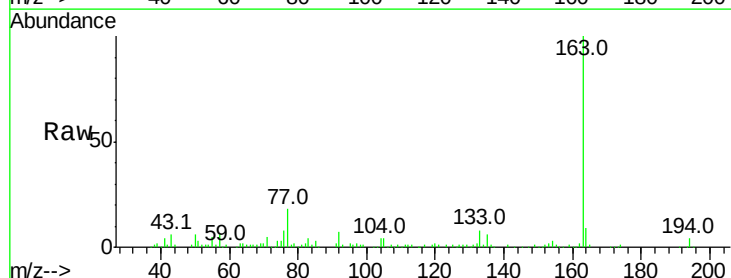
Instrument :
BNA_F
ClientSampleId :

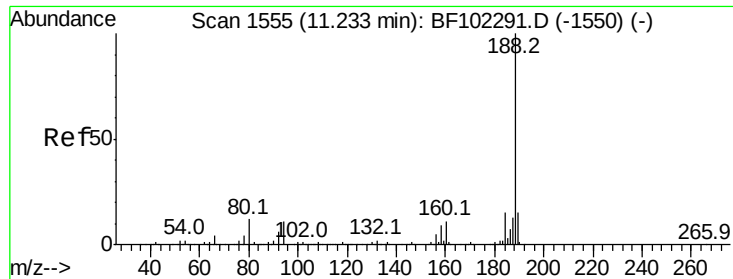
Tot Ion:152 Resp: 77077
Ion Ratio Lower Upper
152 100
151 19.7 16.3 24.5
153 12.0 10.7 16.1



#49
Dimethylphthalate
Concen: 6.011 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion:163 Resp: 132080
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.0 8.2 12.2

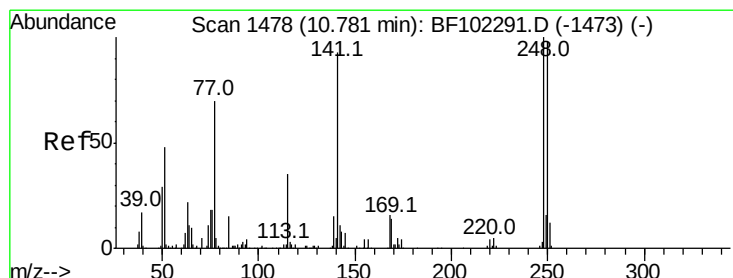
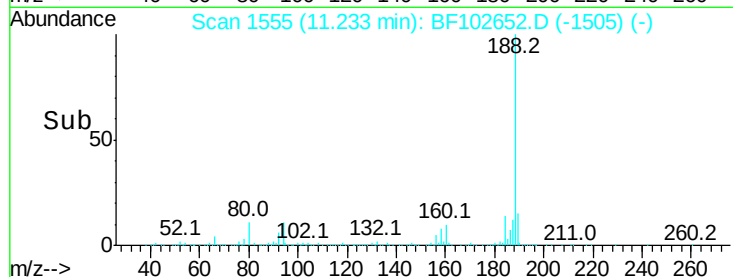
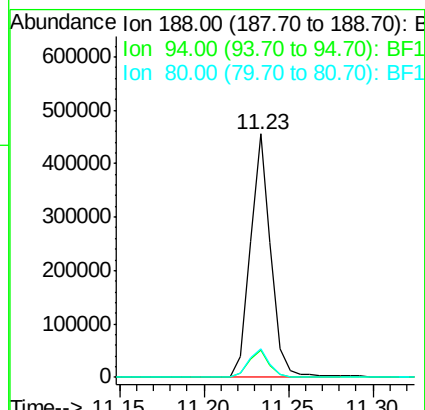
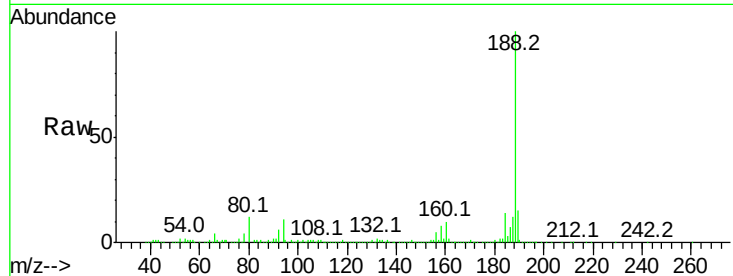




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

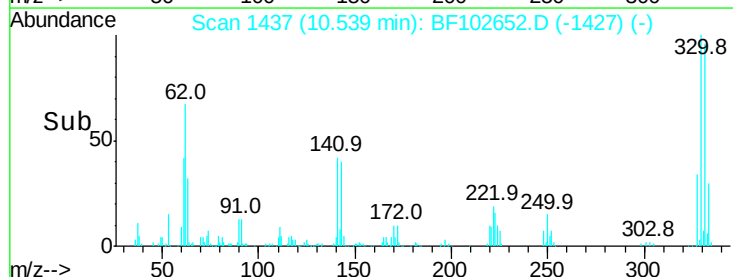
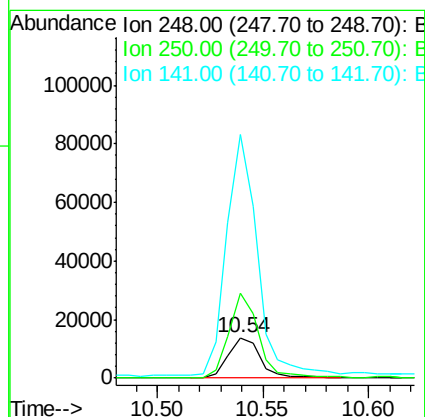
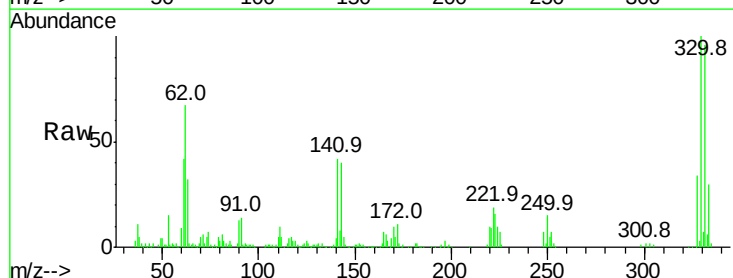
Instrument :
BNA_F
ClientSampleId :

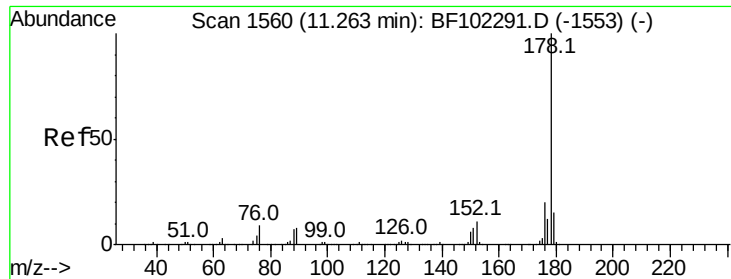
Tot Ion:188 Resp: 385444
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.5 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 3.501 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.24 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion:248 Resp: 14528
Ion Ratio Lower Upper
248 100
250 207.6 76.9 115.3#
141 599.4 74.4 111.6#





#70

Phenanthrene

Concen: 7.350 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

ClientSampled :

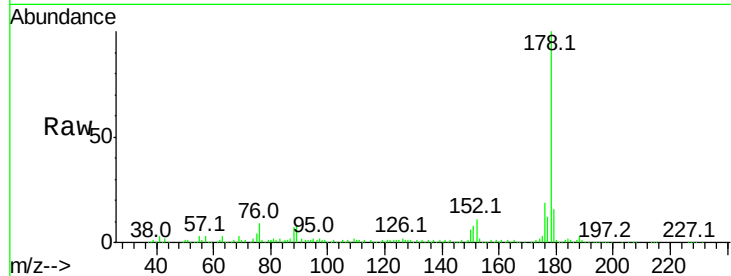
Tot Ion:178 Resp: 165091

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

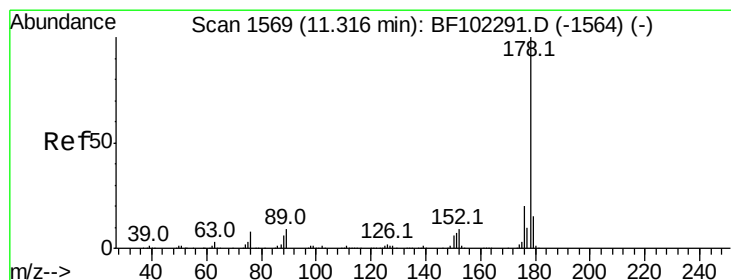
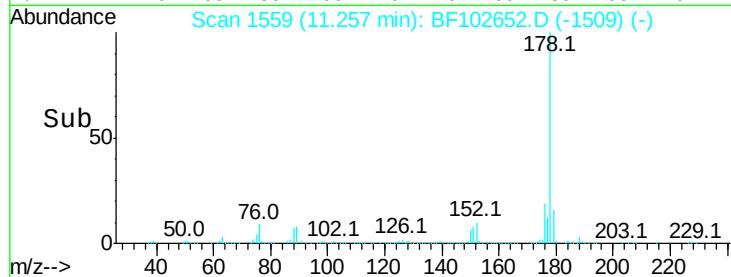
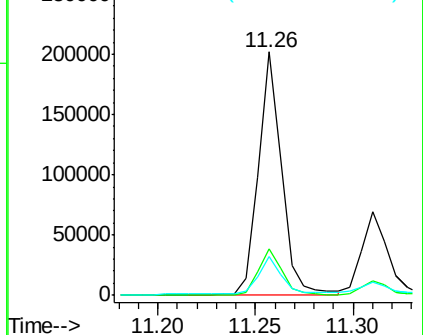
179 16.1 13.0 19.6



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: 3.110 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

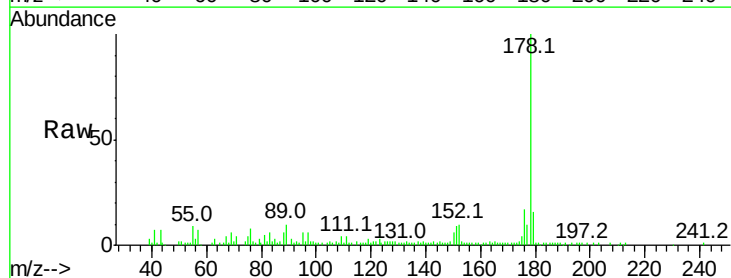
Tgt Ion:178 Resp: 71308

Ion Ratio Lower Upper

178 100

176 17.0 15.4 23.2

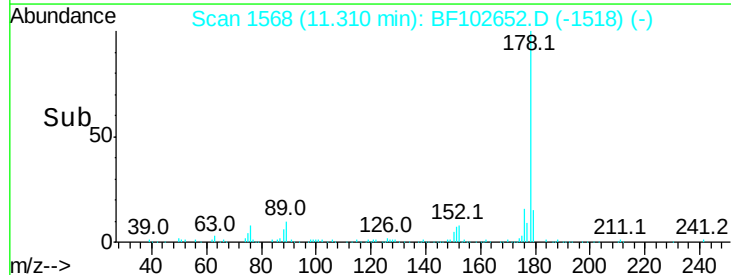
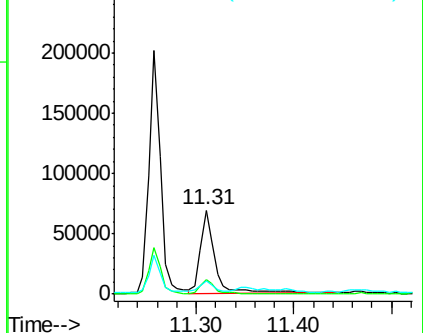
179 16.4 12.6 19.0

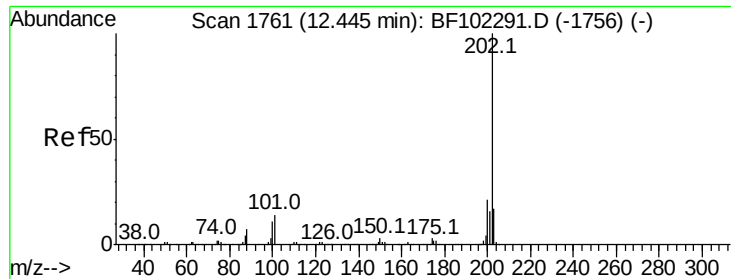


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.376 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

ClientSampleId :

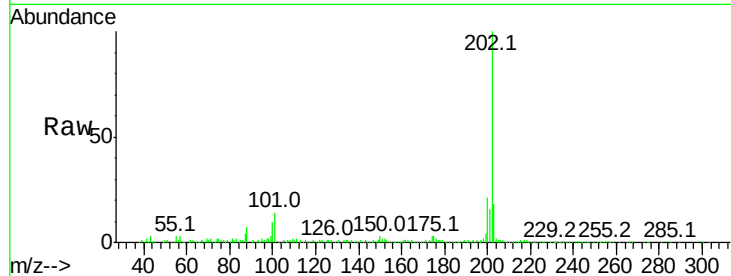
Tot Ion:202 Resp: 260551

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.1

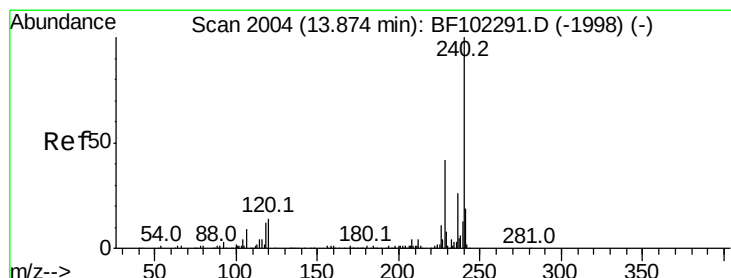
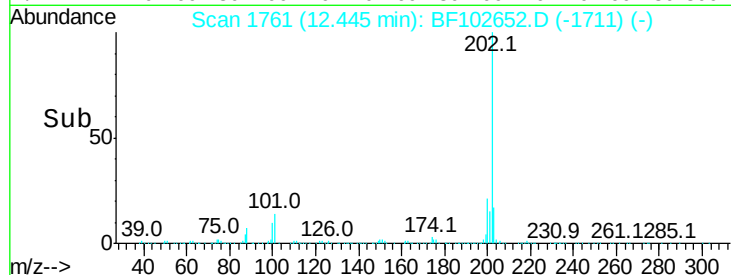
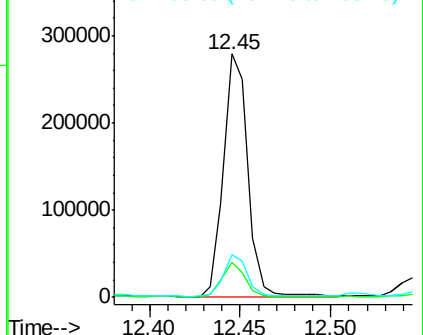
203 17.8 0.0 38.1



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: 13.87 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

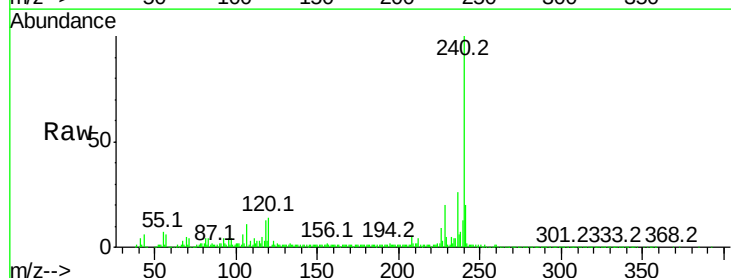
Tgt Ion:240 Resp: 285427

Ion Ratio Lower Upper

240 100

120 14.4 9.5 14.3#

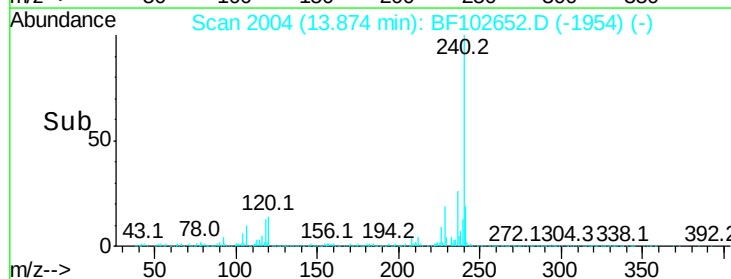
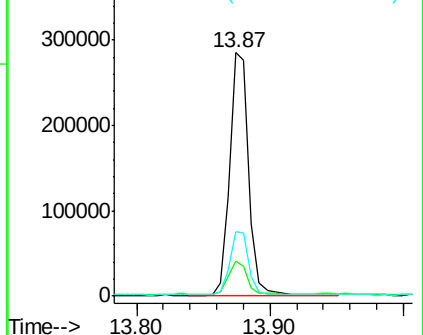
236 26.5 20.7 31.1

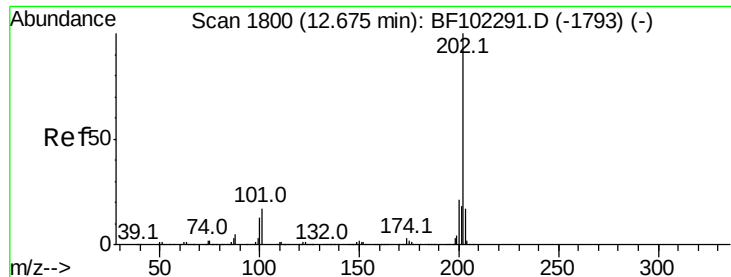


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 12.176 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

ClientSampleId :

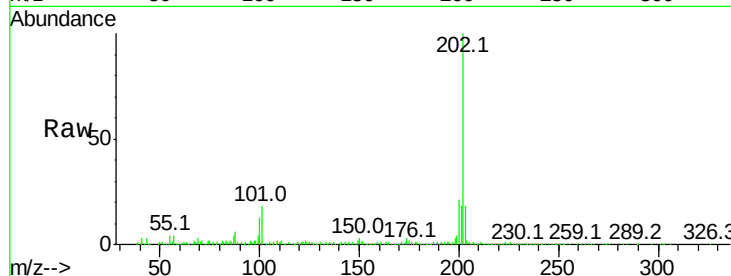
Tot Ion:202 Resp: 268708

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

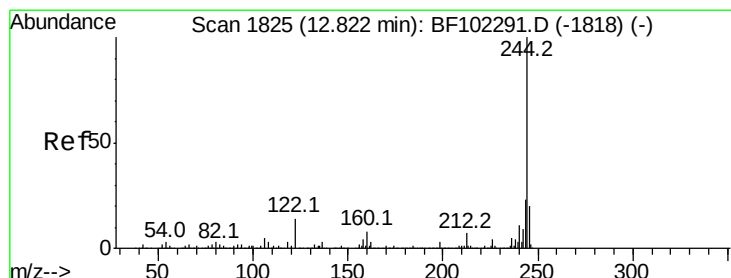
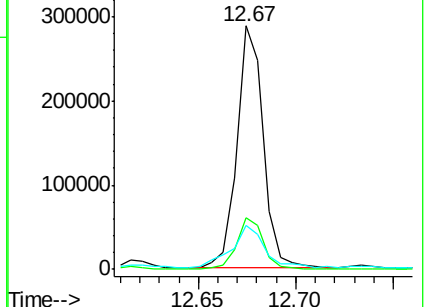
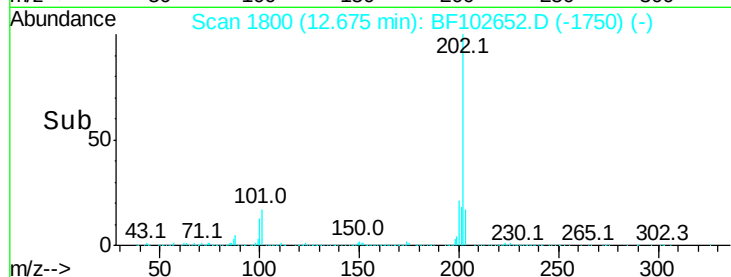
203 18.2 14.3 21.5



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: 65.942 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

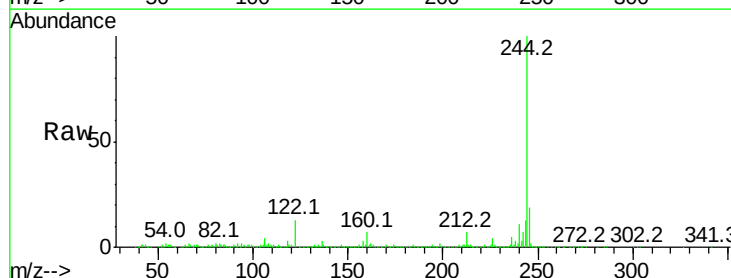
Tgt Ion:244 Resp: 834905

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

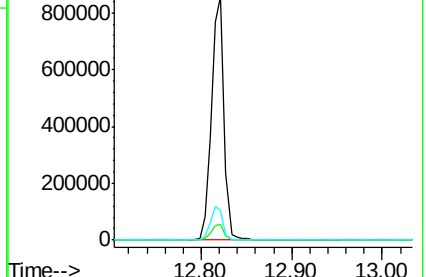
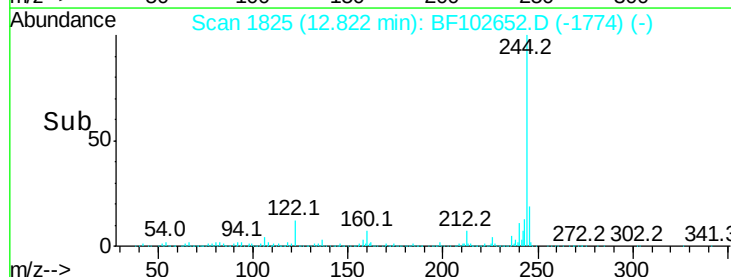
122 12.5 11.0 16.4

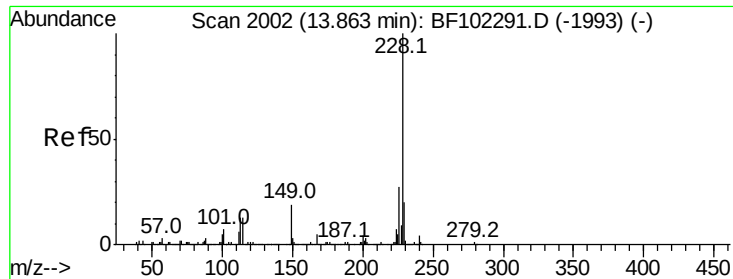


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.144 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

ClientSampleId :

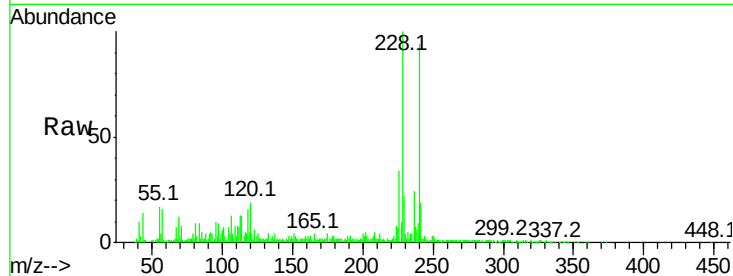
Tot Ion:228 Resp: 125532

Ion Ratio Lower Upper

228 100

226 33.5 22.6 33.8

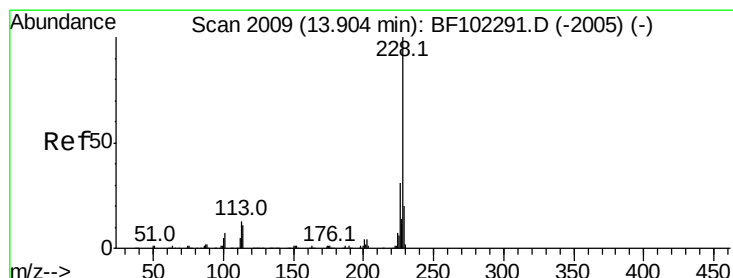
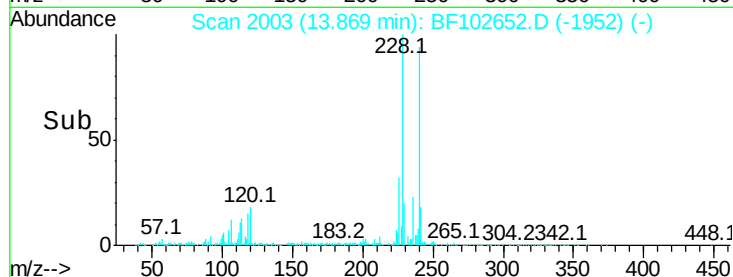
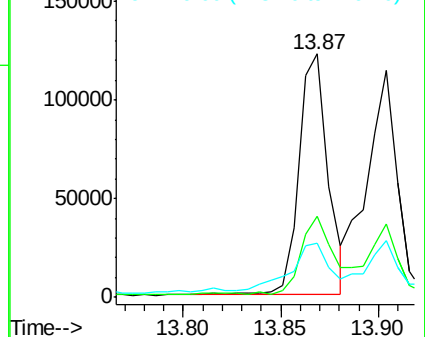
229 22.5 15.8 23.6



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



#82

Chrysene

Concen: 7.035 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.04 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

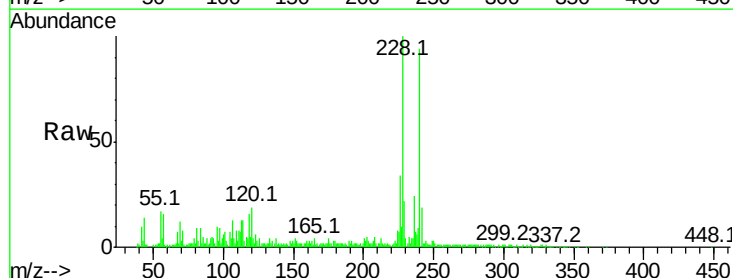
Tgt Ion:228 Resp: 125532

Ion Ratio Lower Upper

228 100

226 33.5 25.0 37.6

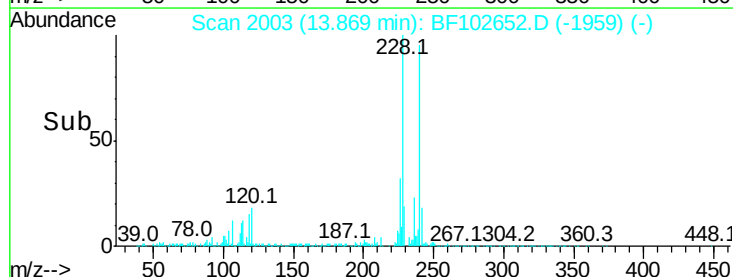
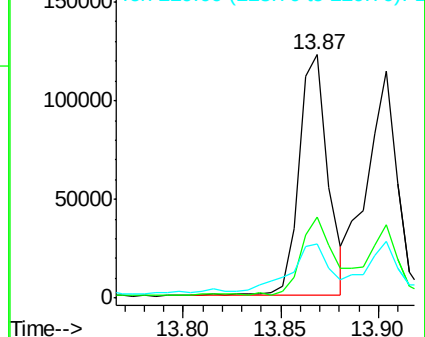
229 22.5 16.2 24.4

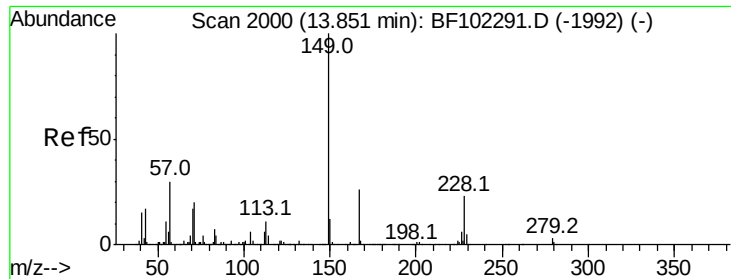


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

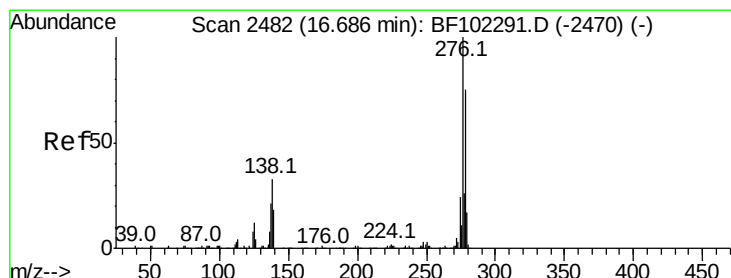
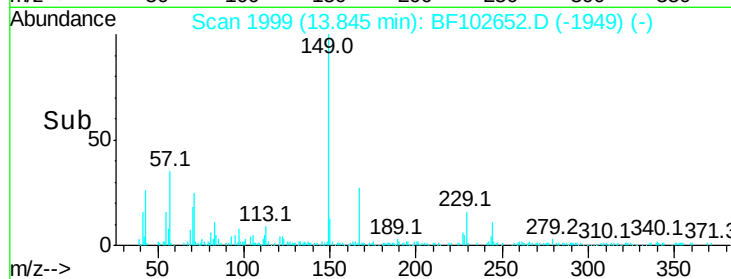
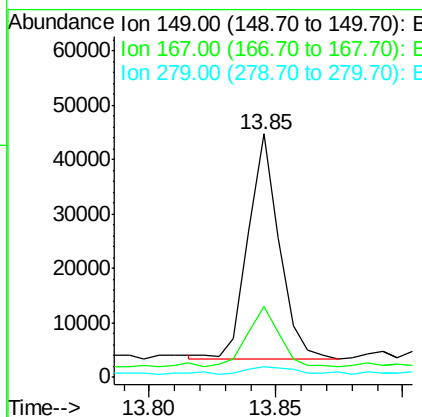
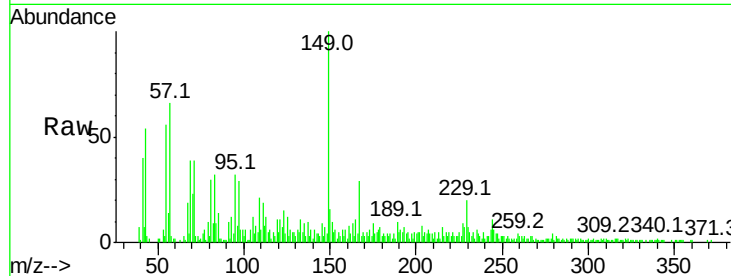




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.390 ng
 RT: 13.85 min Scan# 1999
 Delta R.T. -0.01 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

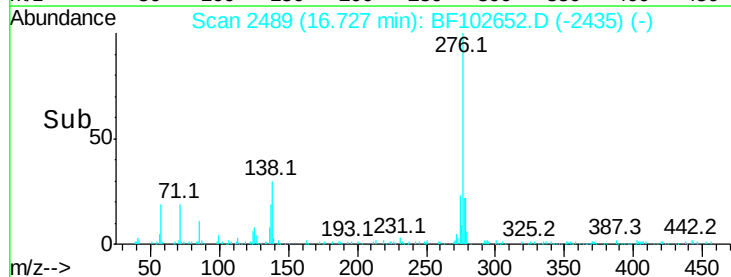
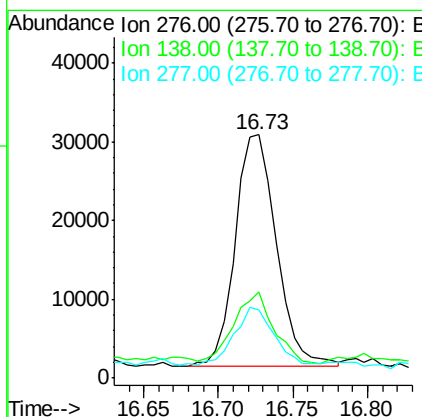
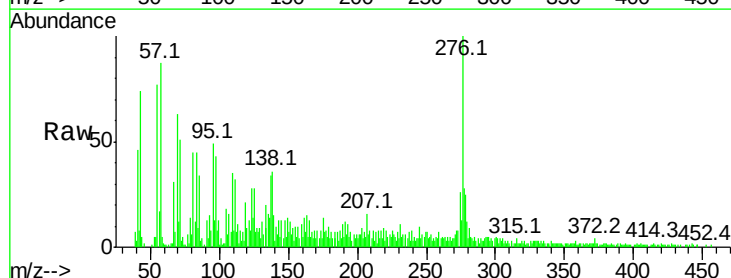
Instrument :
 BNA_F
 ClientSampleId :

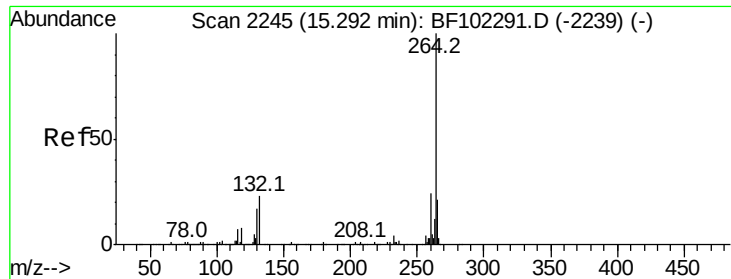
Tot Ion:149 Resp: 35270
 Ion Ratio Lower Upper
 149 100
 167 29.2 21.3 31.9
 279 4.4 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.819 ng
 RT: 16.73 min Scan# 2489
 Delta R.T. 0.02 min
 Lab File: BF102652.D
 Acq: 30 Jan 2018 21:03

Tgt Ion:276 Resp: 56284
 Ion Ratio Lower Upper
 276 100
 138 30.1 25.0 37.6
 277 23.8 20.1 30.1

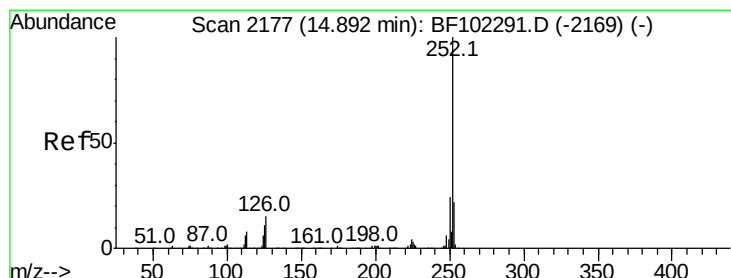
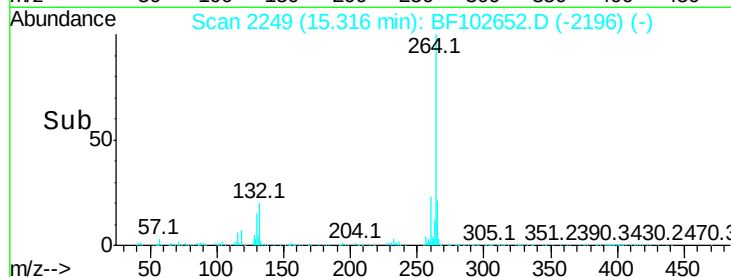
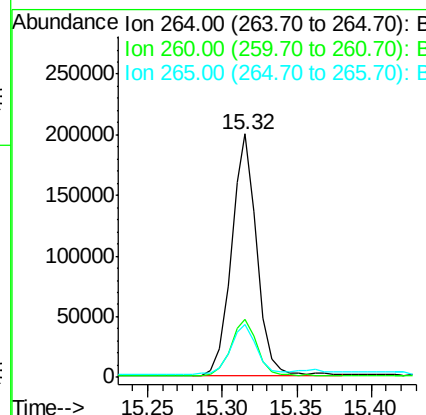
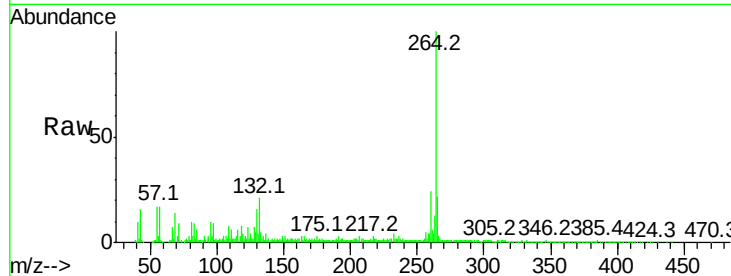




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

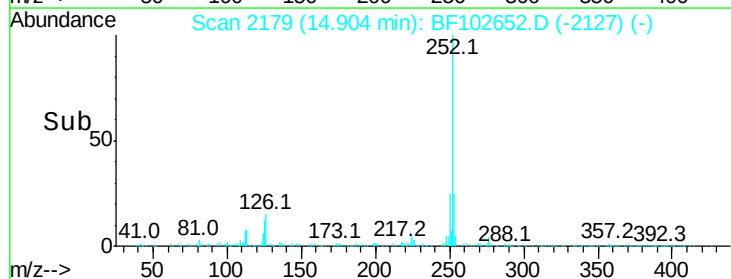
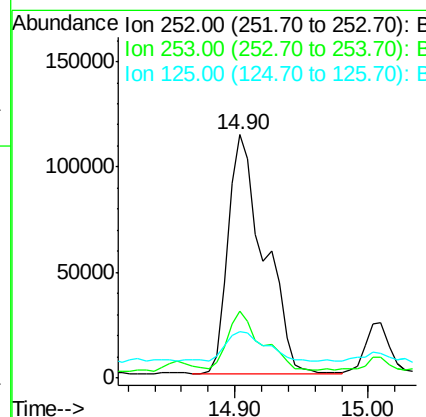
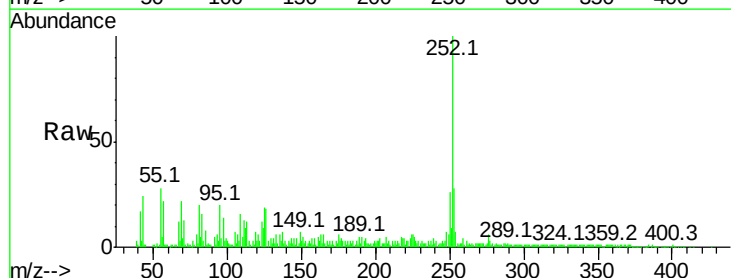
Instrument :
BNA_F
ClientSampleId :

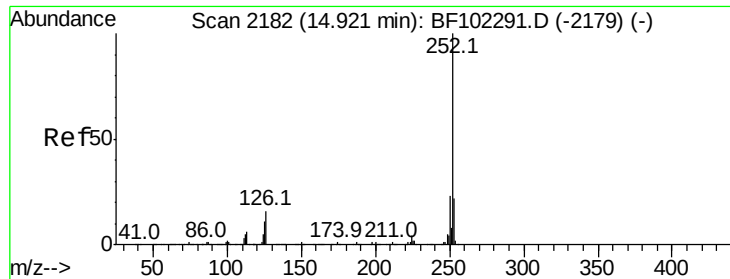
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 13.716 ng
RT: 14.90 min Scan# 2179
Delta R.T. 0.01 min
Lab File: BF102652.D
Acq: 30 Jan 2018 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.0	25.6#
125	19.3	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 14.517 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.02 min

Lab File: BF102652.D

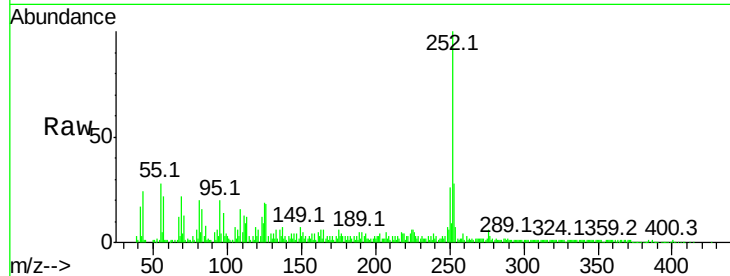
Acq: 30 Jan 2018 21:03

Instrument :

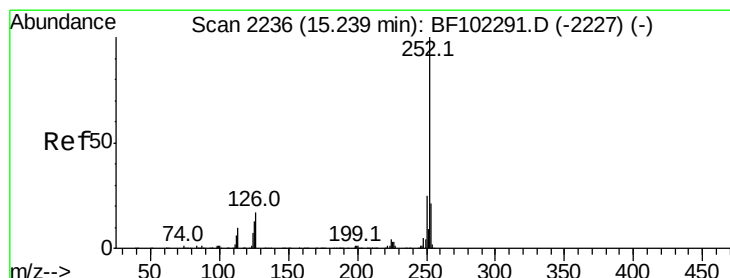
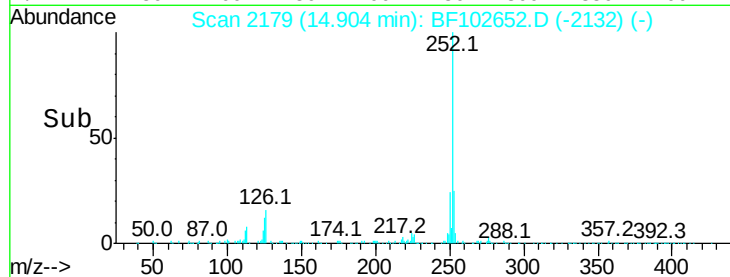
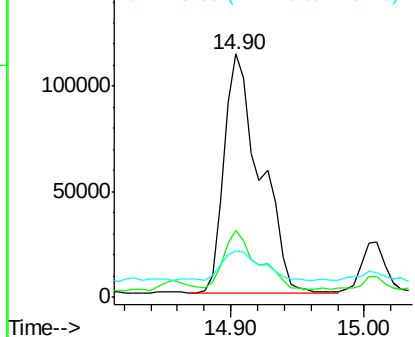
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	212102
Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.9	26.9#
125	19.3	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: 9.072 ng

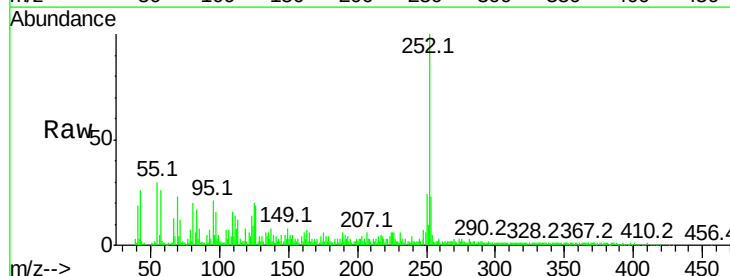
RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

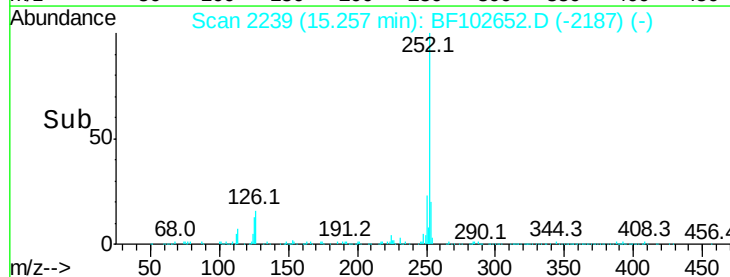
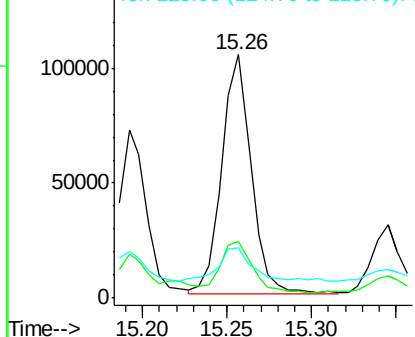
Lab File: BF102652.D

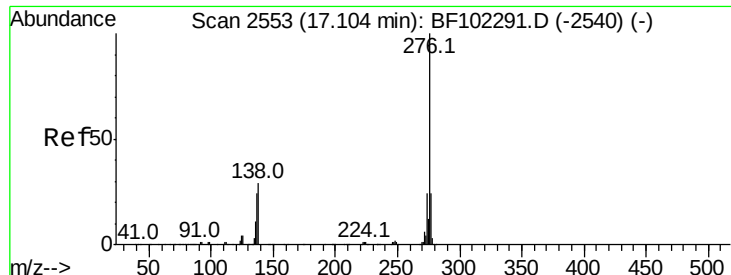
Acq: 30 Jan 2018 21:03

Tgt Ion:	252	Resp:	126531
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	20.5	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(a,h,i)perylene

Concen: 4.874 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BF102652.D

Acq: 30 Jan 2018 21:03

Instrument :

BNA_F

ClientSampleId :

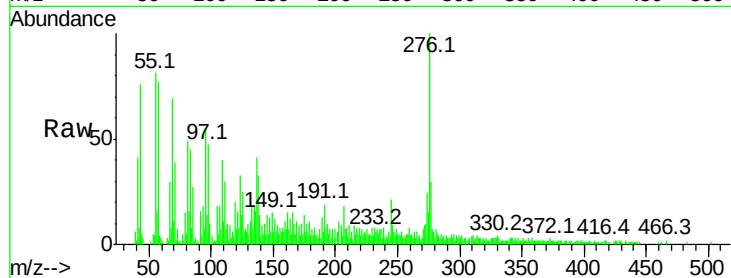
Tot Ion:276 Resp: 54373

Ion Ratio Lower Upper

276 100

277 29.7 17.9 26.9#

138 32.8 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

