

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
 Data File : BF101611.D
 Acq On : 21 Dec 2017 17:12
 Operator : SJ/JU
 Sample : I6993-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-3

Quant Time: Dec 21 18:11:50 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	131502	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	467529	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	171041	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	276571	20.00	ng	0.00
75) Chrysene-d12	13.97	240	291035	20.00	ng	0.00
86) Perylene-d12	15.44	264	252549	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1037801	117.56	ng	0.01
7) Phenol-d6	6.45	99	1258198	114.52	ng	0.00
23) Nitrobenzene-d5	7.37	82	787666	93.78	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	183457	111.31	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1121545	101.72	ng	0.00
78) Terphenyl-d14	12.91	244	905403	75.00	ng	0.00

Target Compounds

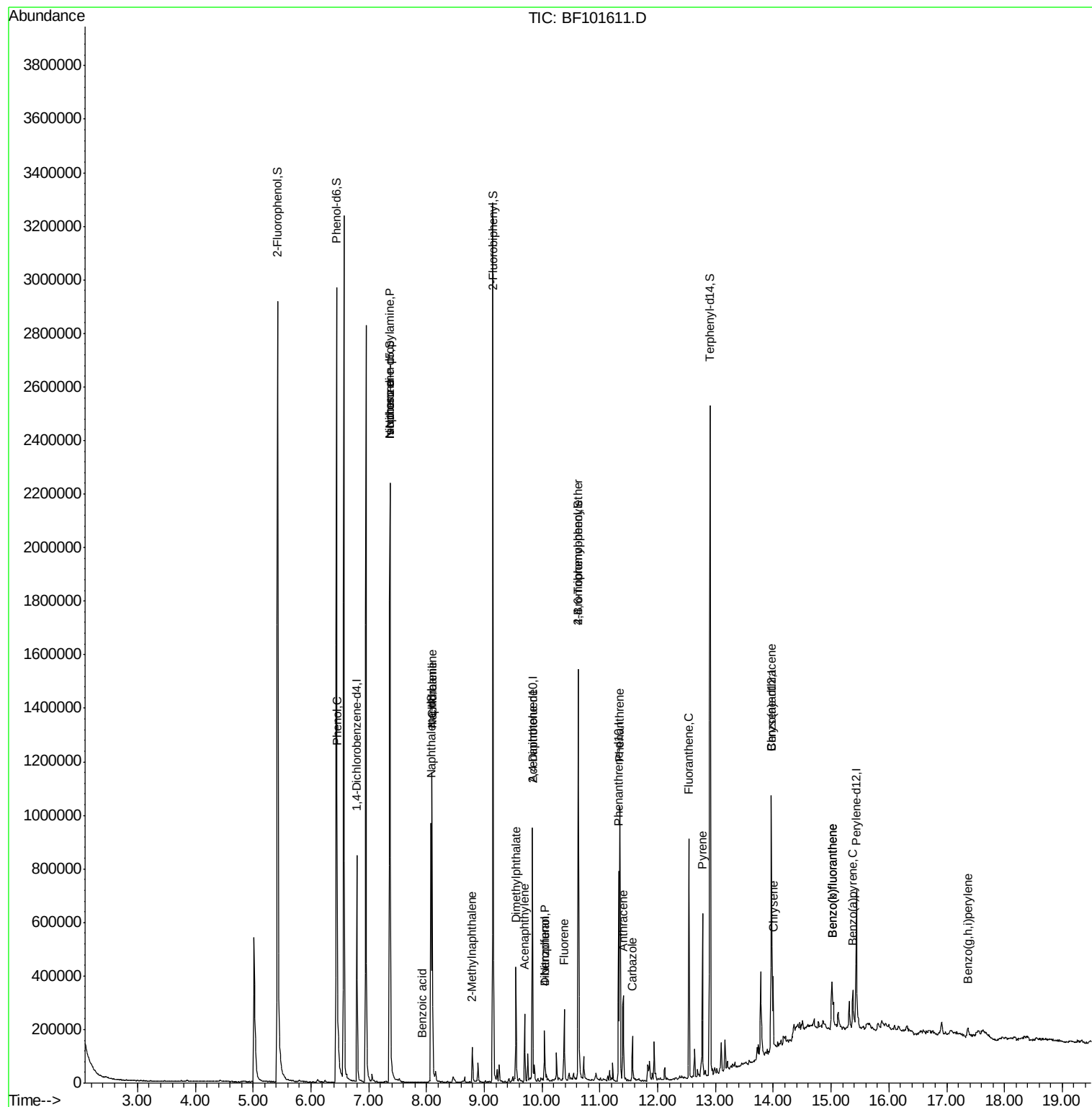
						Qvalue
10) Phenol	6.46	94	44827	3.580	ng	84
19) n-Nitroso-di-n-propylamine	7.37	70	105953	14.684	ng	# 83
25) Isophorone	7.37	82	787659	46.749	ng	# 64
31) Naphthalene	8.10	128	526865	22.384	ng	99
32) Benzoic acid	7.91	122	386	8.031	ng	# 1
33) 4-Chloroaniline	8.10	127	68236	6.670	ng	# 31
37) 2-Methylnaphthalene	8.79	142	39074	2.548	ng	99
48) Acenaphthylene	9.70	152	108439	5.915	ng	99
49) Dimethylphthalate	9.55	163	188528	13.703	ng	99
54) Dibenzofuran	10.04	168	74861	5.348	ng	100
55) 4-Nitrophenol	10.04	139	27443	18.053	ng	# 10
56) 2,4-Dinitrotoluene	9.83	165	22903	7.270	ng	# 24
57) Fluorene	10.38	166	84235	7.114	ng	98
66) 4-Bromophenyl-phenylether	10.63	248	11476	3.693	ng	# 1
70) Phenanthrene	11.35	178	401731	26.119	ng	98
71) Anthracene	11.40	178	133610	8.504	ng	99
72) Carbazole	11.56	167	67012	4.556	ng	99
74) Fluoranthene	12.54	202	340173	21.071	ng	98
77) Pyrene	12.77	202	254503	11.652	ng	98
80) Benzo(a)anthracene	13.96	228	125655	6.539	ng	95
82) Chrysene	14.00	228	98384	5.422	ng	99
87) Benzo(b)fluoranthene	15.02	252	137017	8.901	ng	# 97
88) Benzo(k)fluoranthene	15.02	252	137017	9.155	ng	97
89) Benzo(a)pyrene	15.37	252	71021	5.005	ng	# 95
91) Benzo(g,h,i)perylene	17.37	276	31857	2.641	ng	97

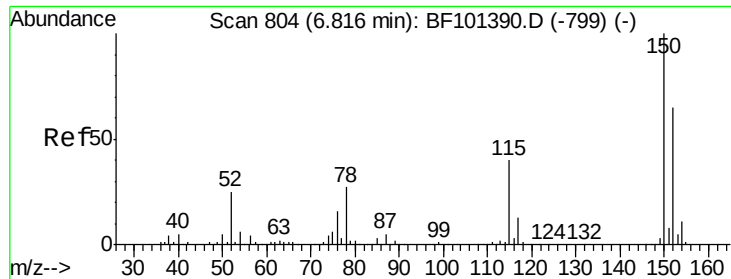
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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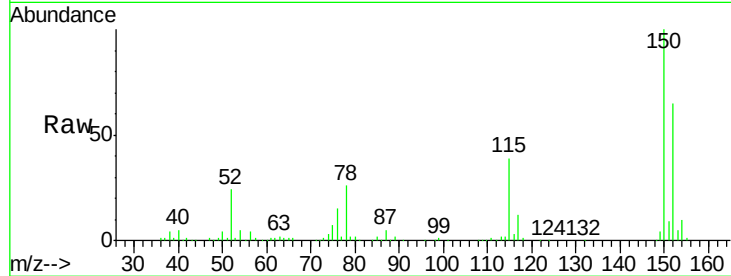


#1

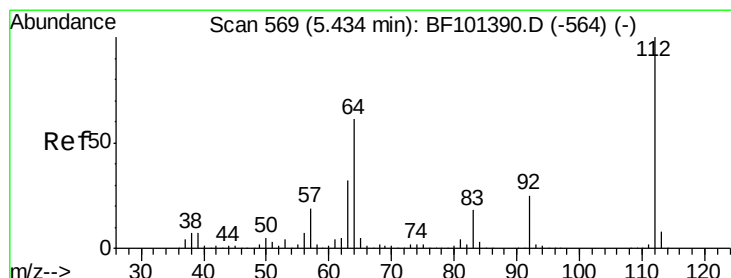
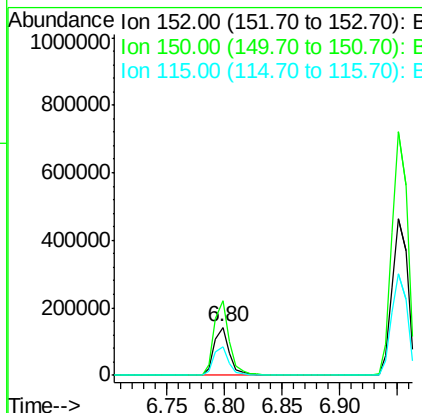
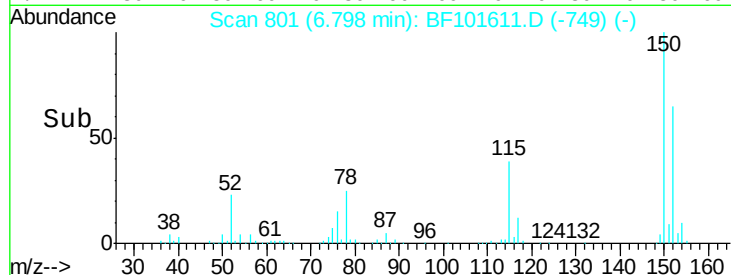
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tgt Ion:152 Resp: 131502
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 59.7 50.1 75.1



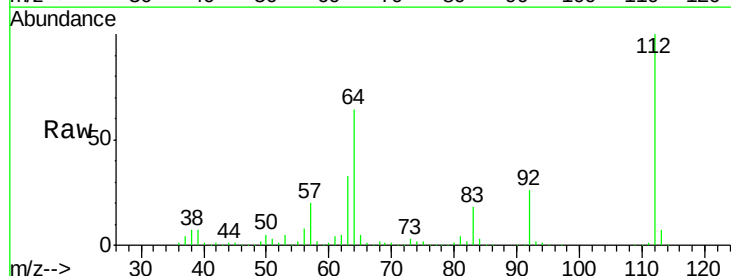
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



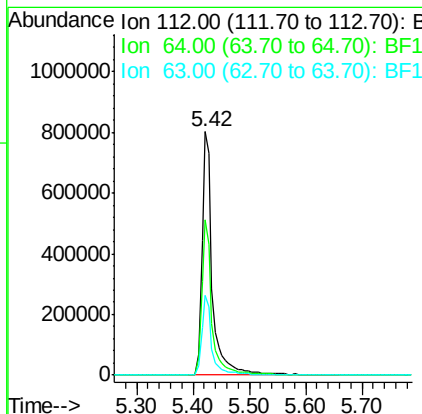
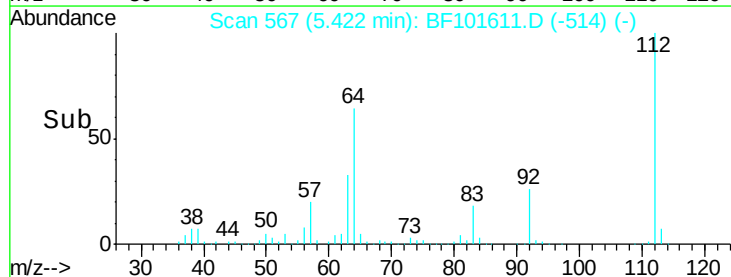
#5

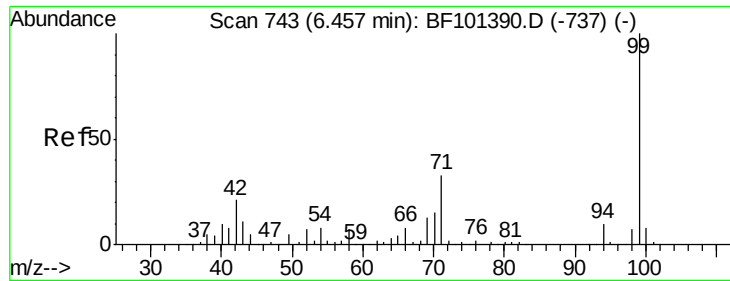
2-Fluorophenol
Concen: 117.556 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion:112 Resp: 1037801
Ion Ratio Lower Upper
112 100
64 64.0 47.9 71.9
63 33.0 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: 114.517 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-3

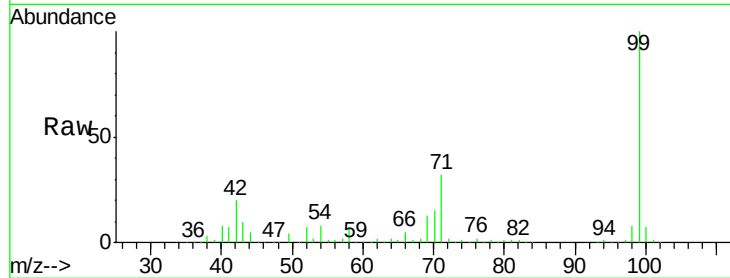
Tgt Ion: 99 Resp: 1258198

Ion Ratio Lower Upper

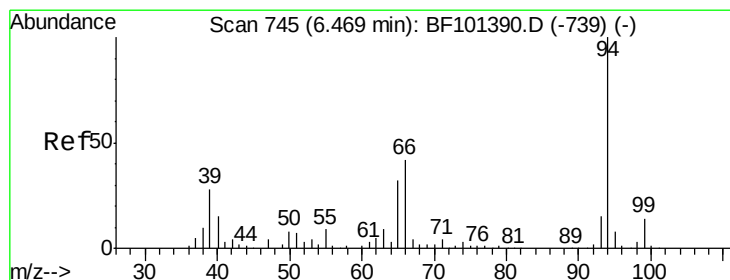
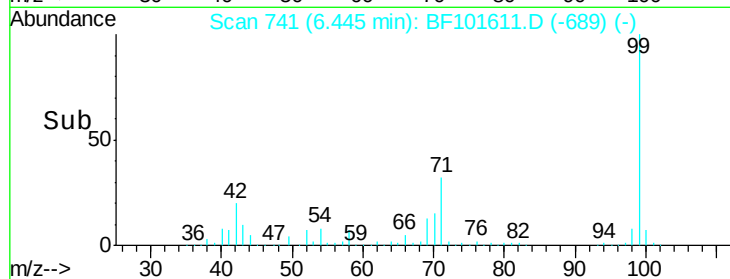
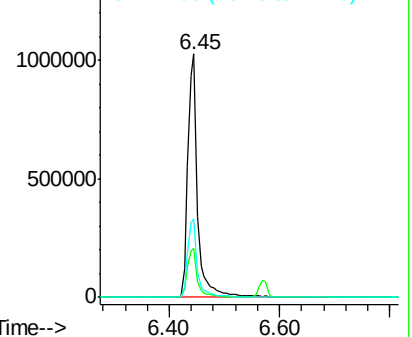
99 100

42 20.3 14.5 21.7

71 32.4 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



#10

Phenol

Concen: 3.580 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

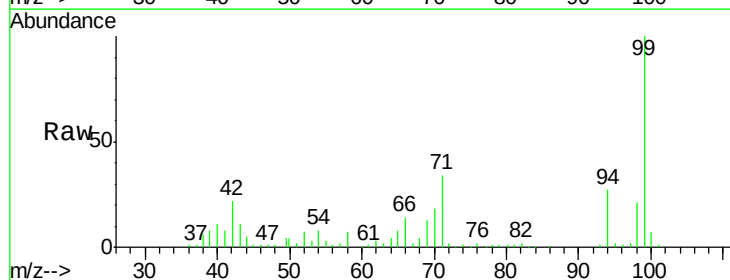
Tgt Ion: 94 Resp: 44827

Ion Ratio Lower Upper

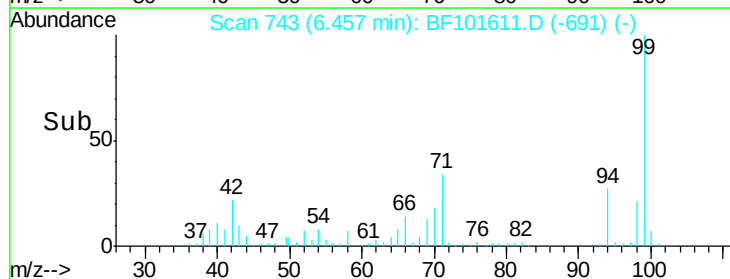
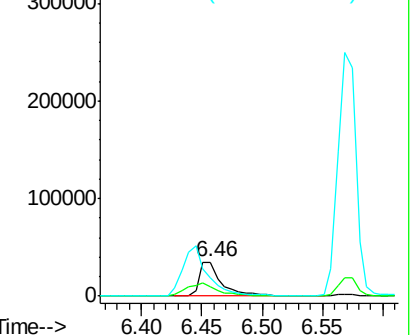
94 100

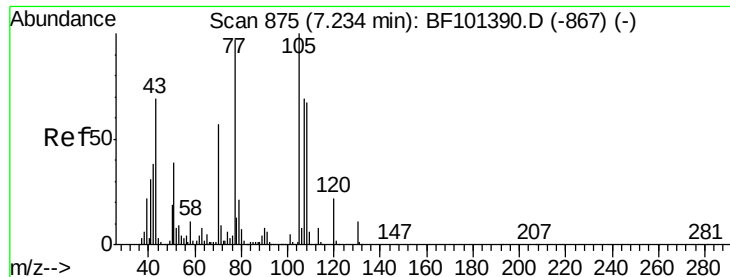
65 27.9 7.9 47.9

66 53.1 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

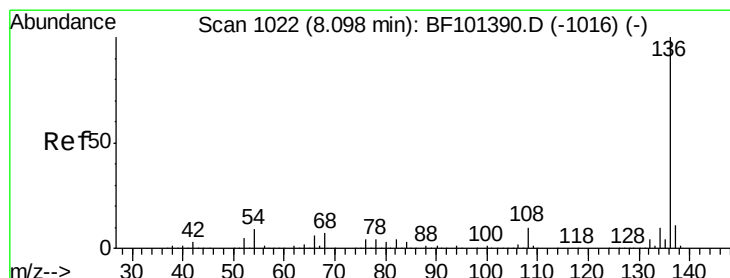
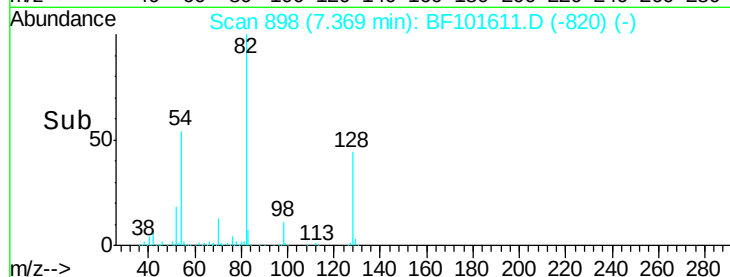
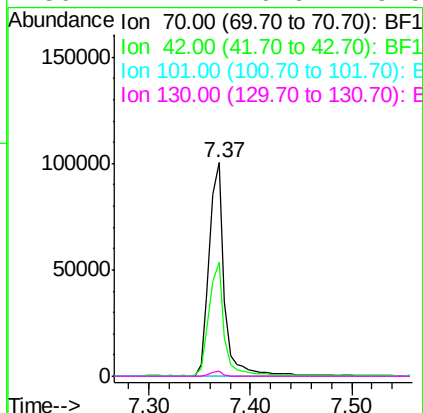
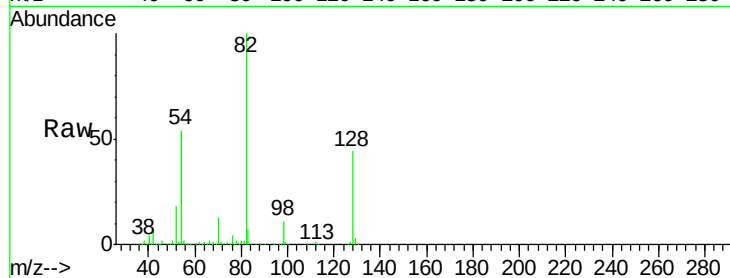




#19
n-Nitroso-di-n-propylamine
Concen: 14.684 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.16 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

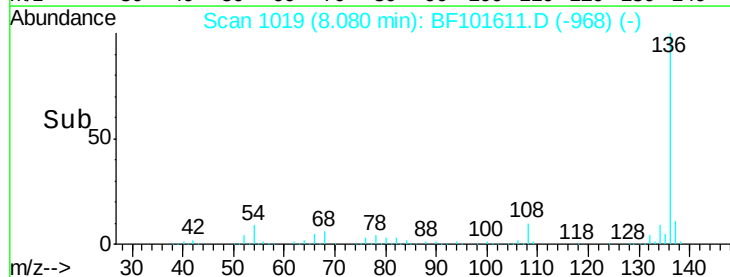
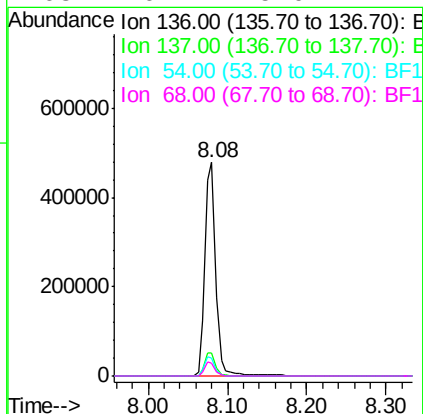
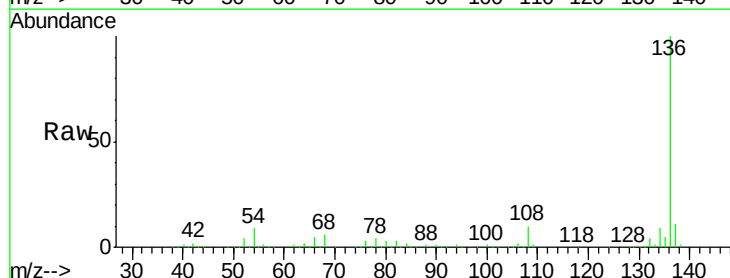
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

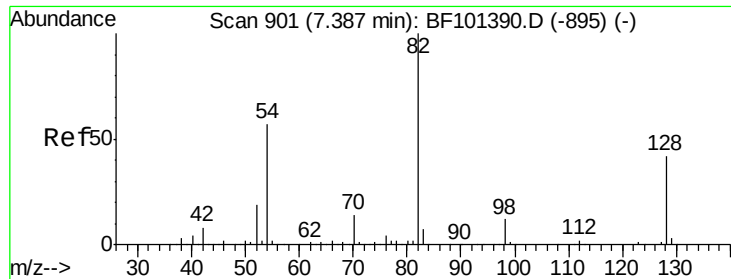
Tgt Ion: 70 Resp: 105953
Ion Ratio Lower Upper
70 100
42 53.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion: 136 Resp: 467529
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.6 6.6 9.8
68 6.2 5.0 7.4

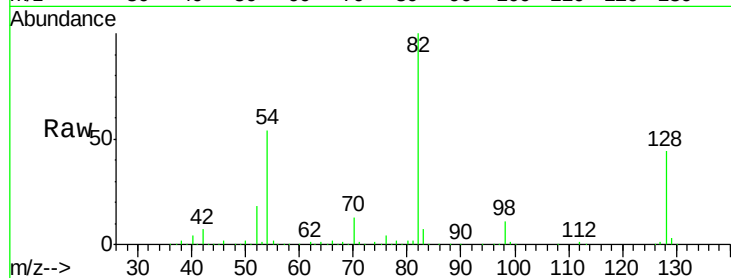




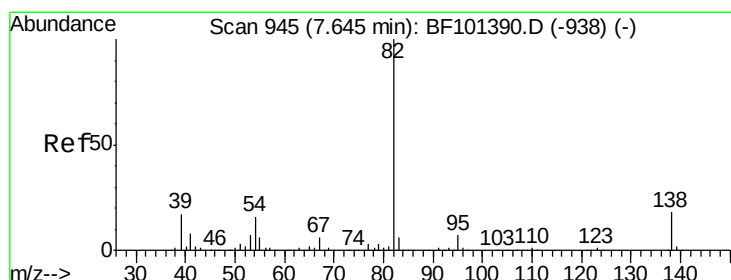
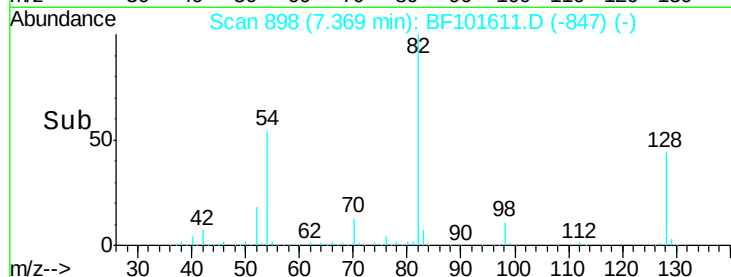
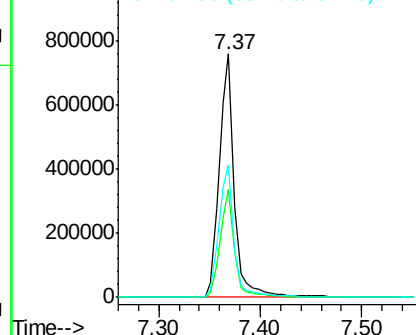
#23
Nitrobenzene-d5
Concen: 93.783 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tgt Ion: 82 Resp: 787666
Ion Ratio Lower Upper
82 100
128 44.1 36.1 54.1
54 54.4 41.4 62.2

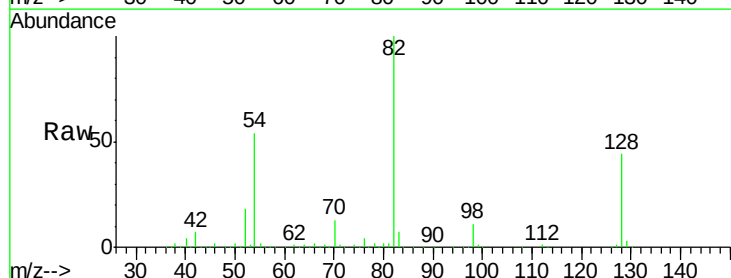


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

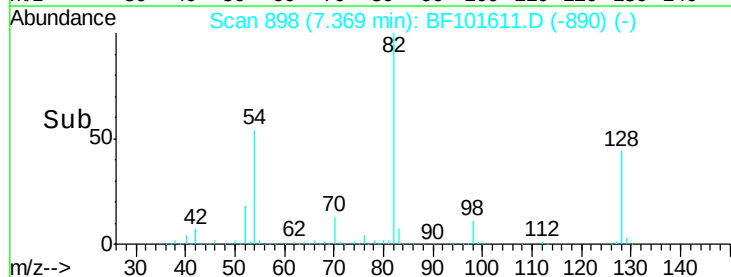
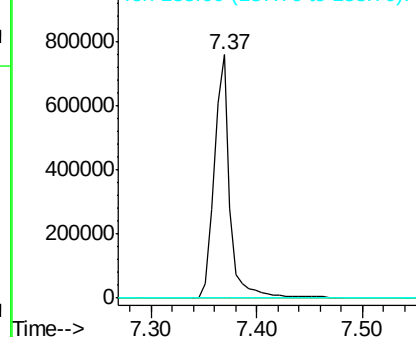


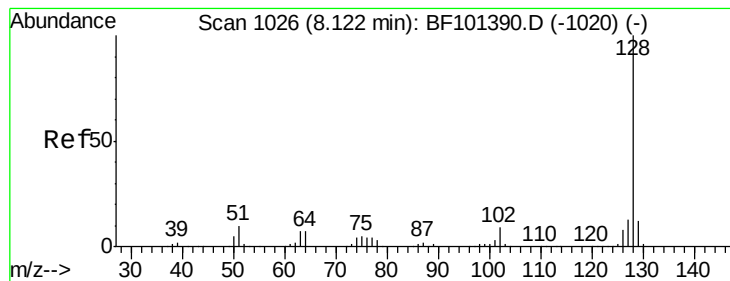
#25
Isophorone
Concen: 46.749 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.25 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion: 82 Resp: 787659
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





#31

Naphthalene

Concen: 22.384 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-3

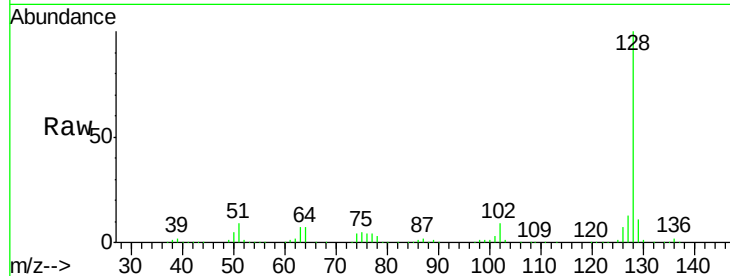
Tgt Ion:128 Resp: 526865

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

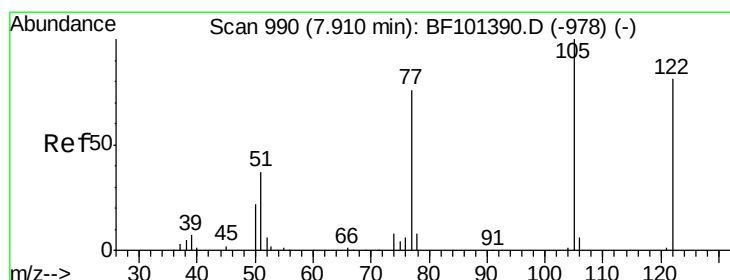
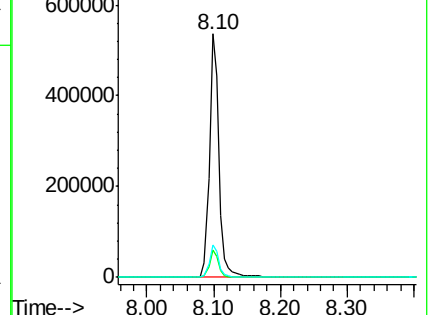
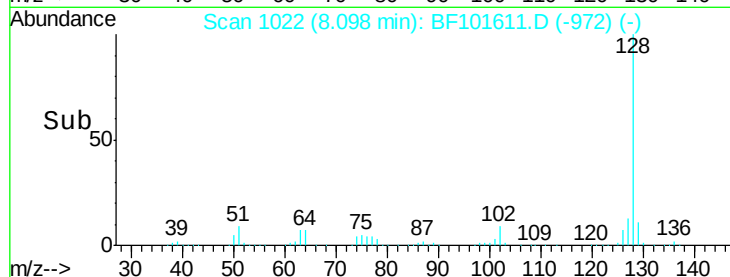
127 13.3 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 8.031 ng

RT: 7.91 min Scan# 990

Delta R.T. 0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

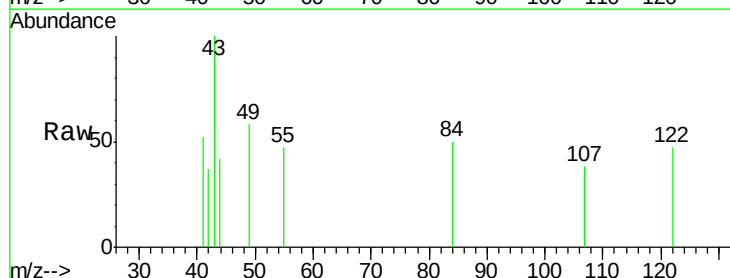
Tgt Ion:122 Resp: 386

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

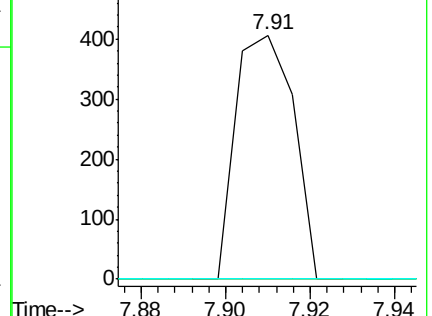
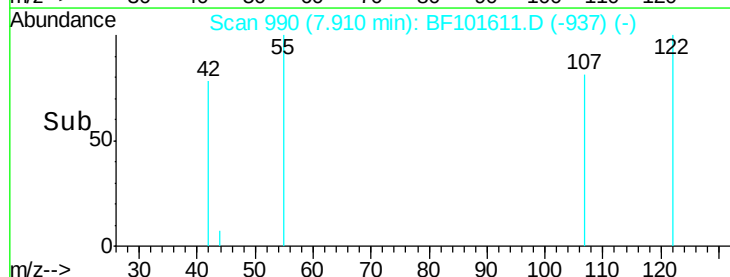
77 0.0 70.7 110.7#

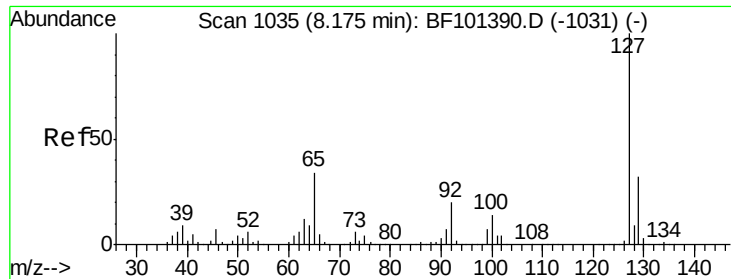


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

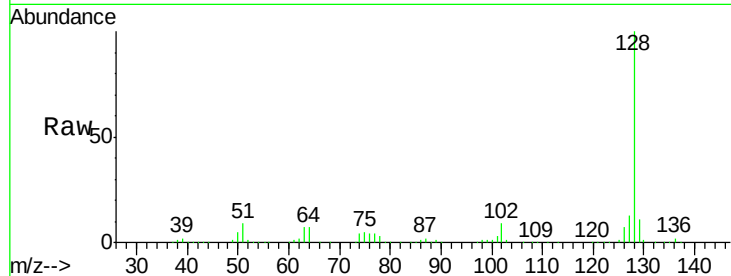




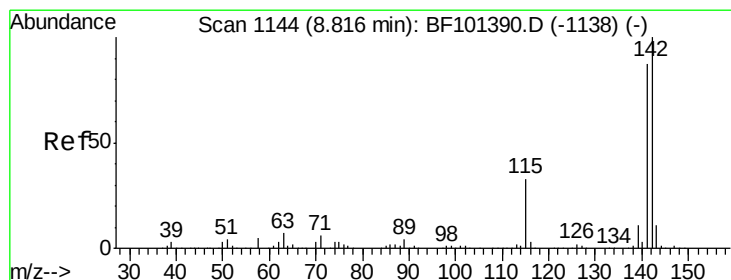
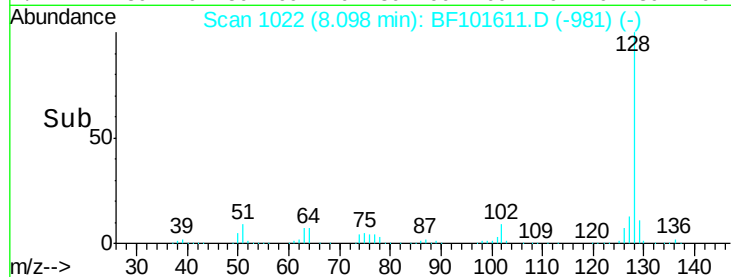
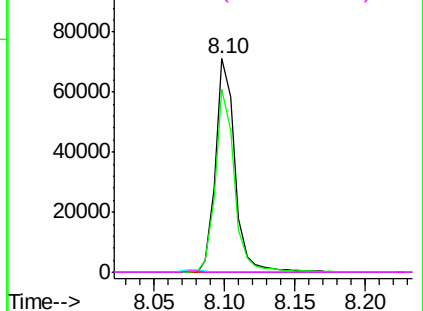
#33
4-Chloroaniline
Concen: 6.670 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tgt Ion	Ratio	Lower	Upper
127	100		
129	86.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

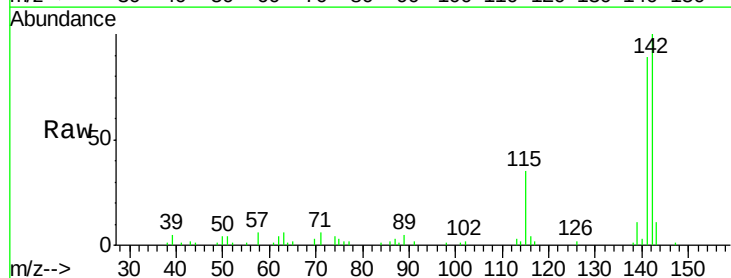


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

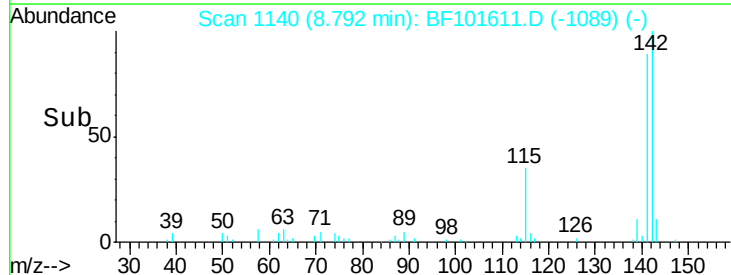
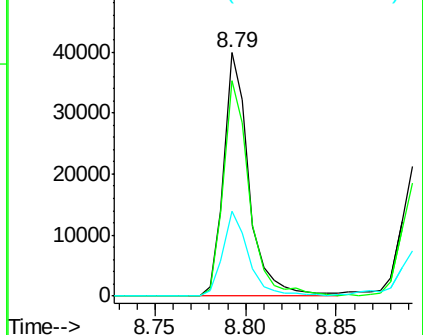


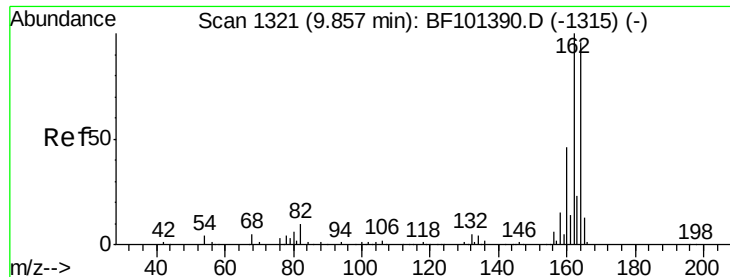
#37
2-Methylnaphthalene
Concen: 2.548 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2
115	35.0	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-3

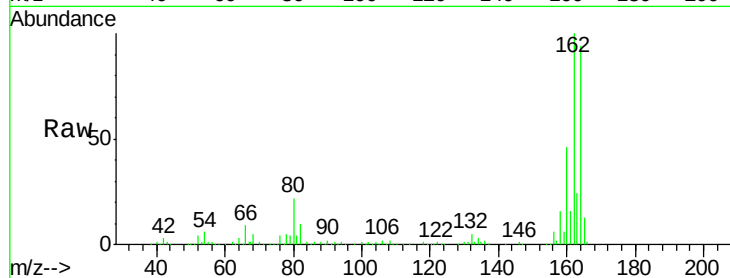
Tgt Ion:164 Resp: 171041

Ion Ratio Lower Upper

164 100

162 106.7 86.1 129.1

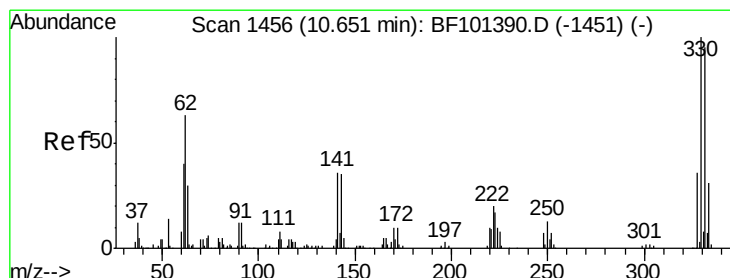
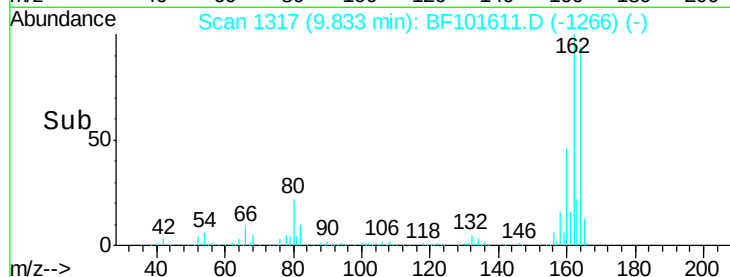
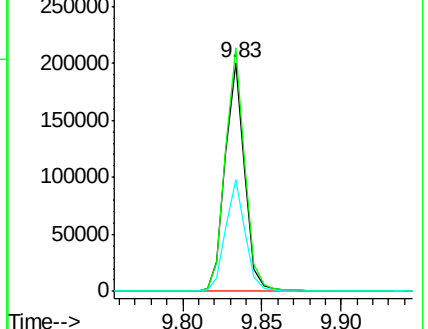
160 49.1 38.3 57.5



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: 111.313 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

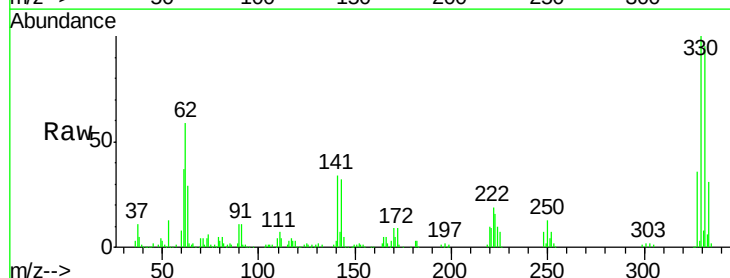
Tgt Ion:330 Resp: 183457

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

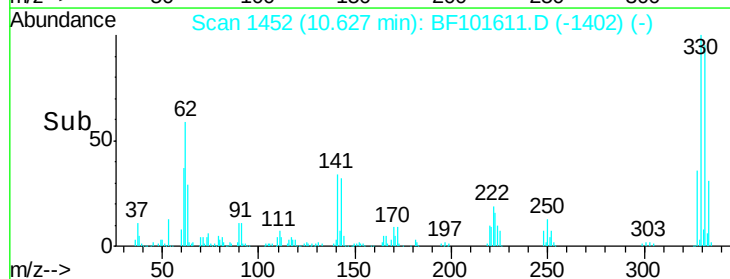
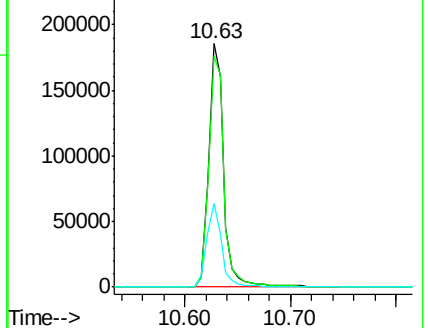
141 34.4 29.9 44.9

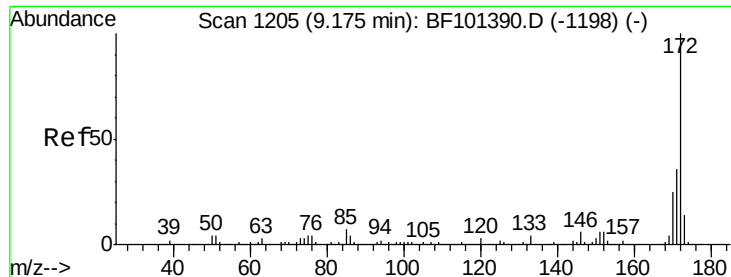


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

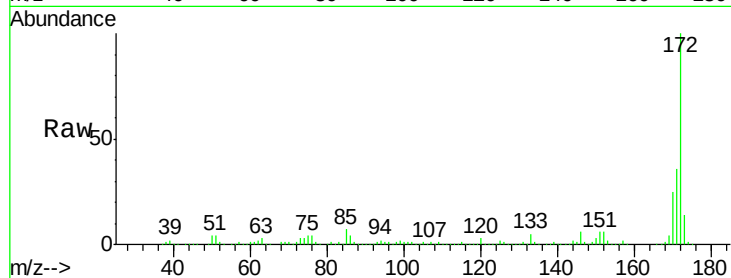




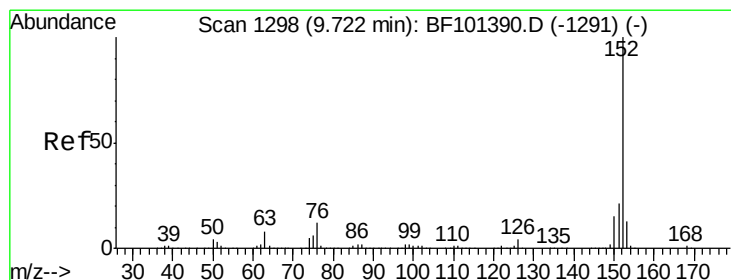
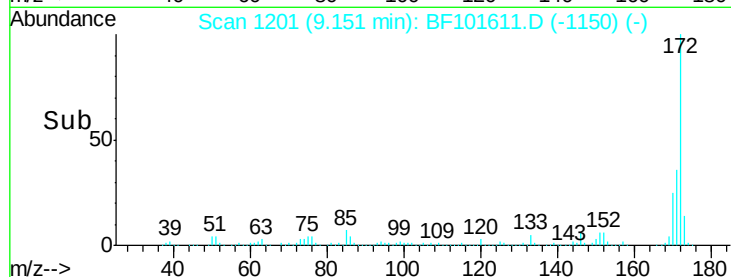
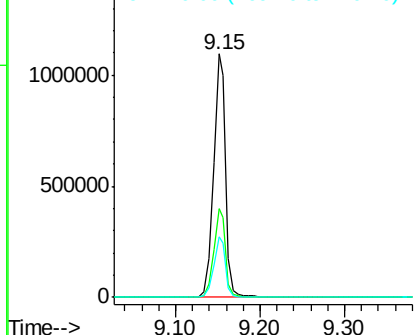
#44
2-Fluorobiphenyl
Concen: 101.718 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tgt Ion:172 Resp: 1121545
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.9 19.6 29.4

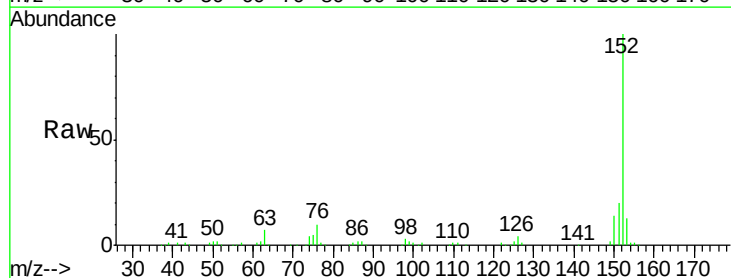


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

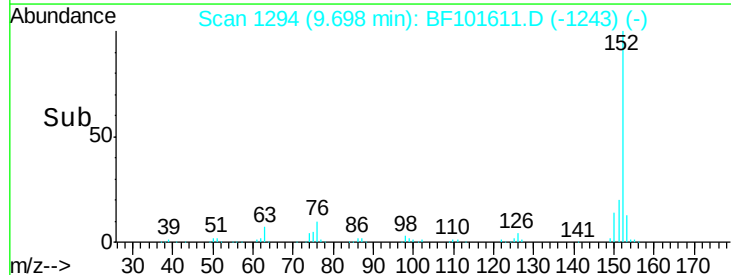
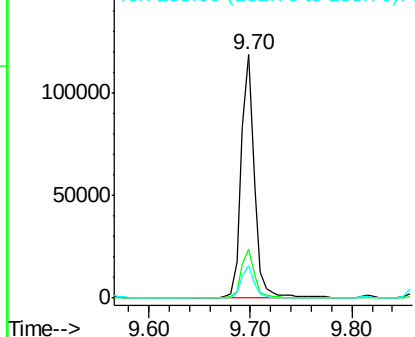


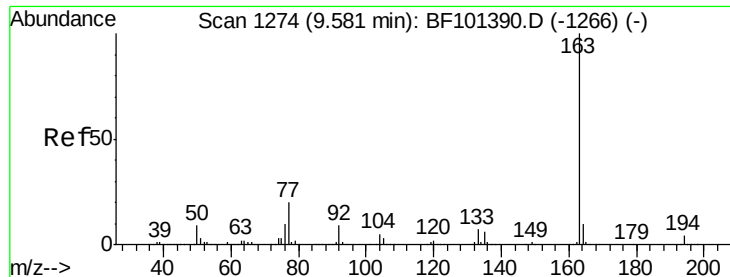
#48
Acenaphthylene
Concen: 5.915 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion:152 Resp: 108439
Ion Ratio Lower Upper
152 100
151 20.2 16.3 24.5
153 13.2 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

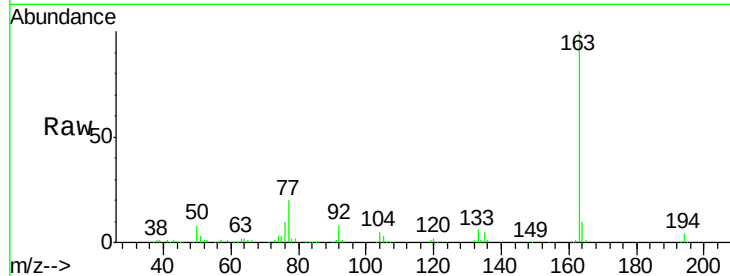




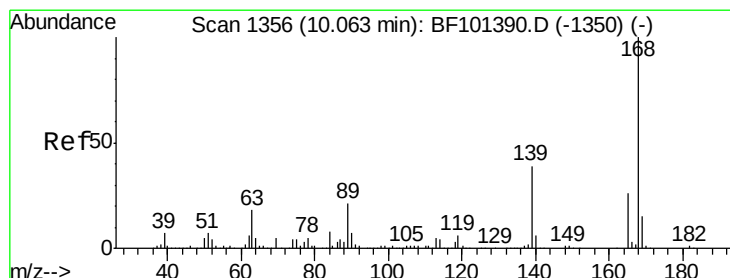
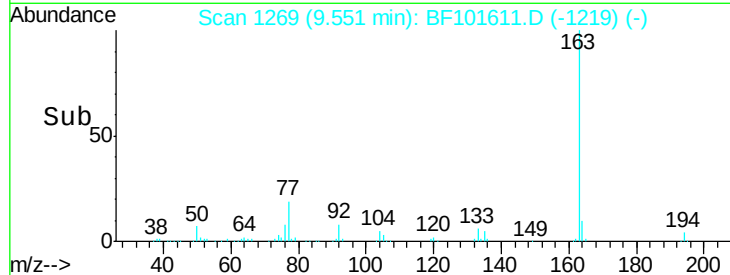
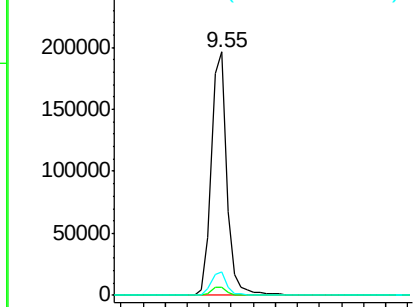
#49
Dimethylphthalate
Concen: 13.703 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

Tgt Ion:163 Resp: 188528
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.6 8.2 12.2

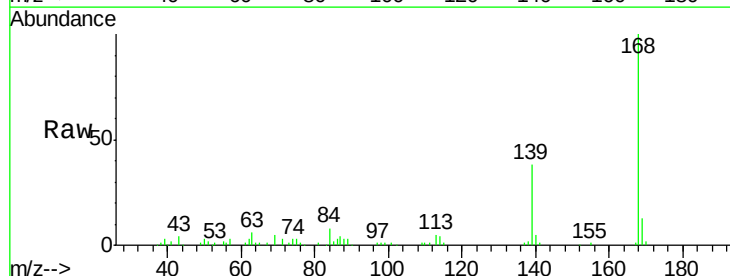


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

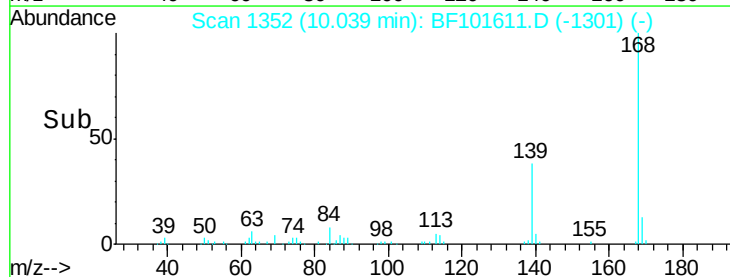
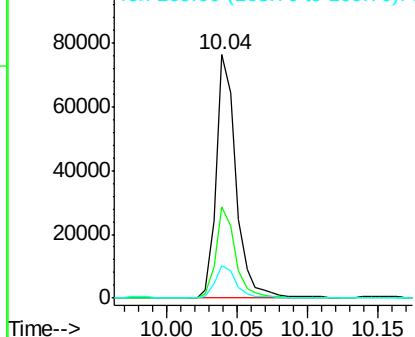


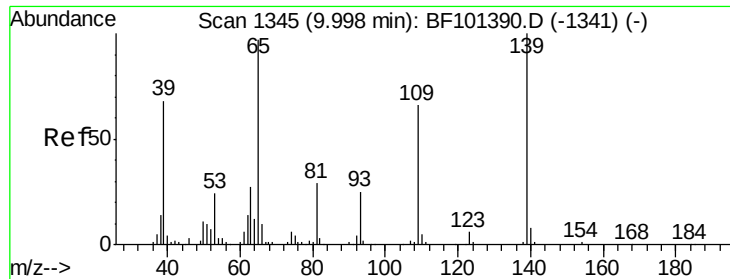
#54
Dibenzofuran
Concen: 5.348 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion:168 Resp: 74861
Ion Ratio Lower Upper
168 100
139 37.7 30.1 45.1
169 13.1 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

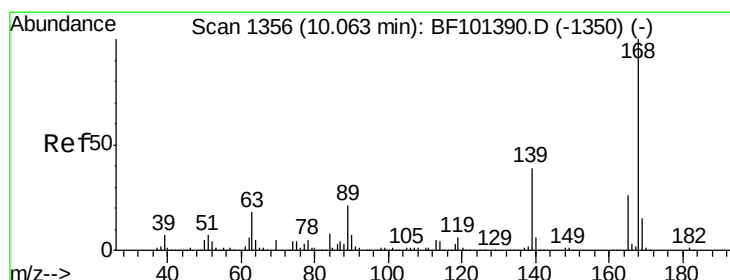
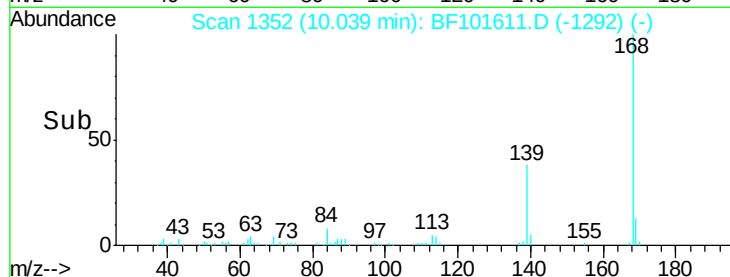
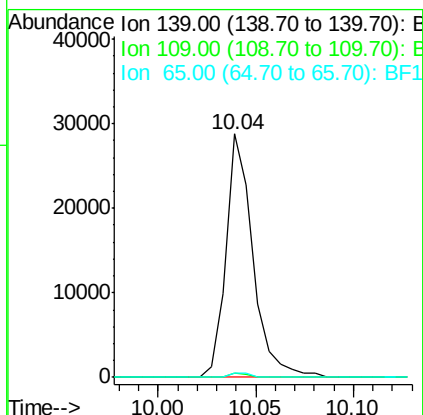
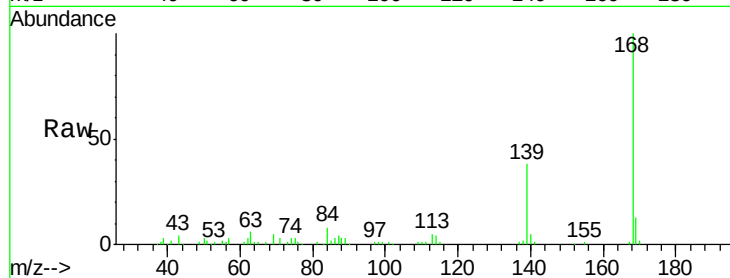




#55
4-Nitrophenol
Concen: 18.053 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.05 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

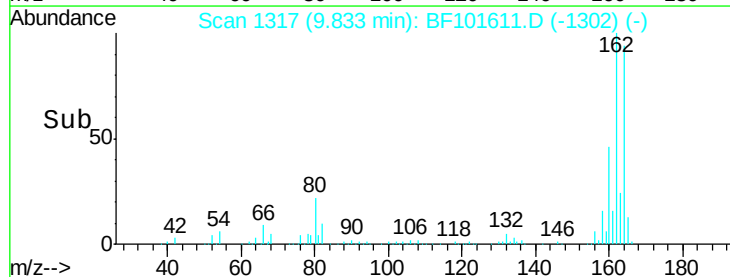
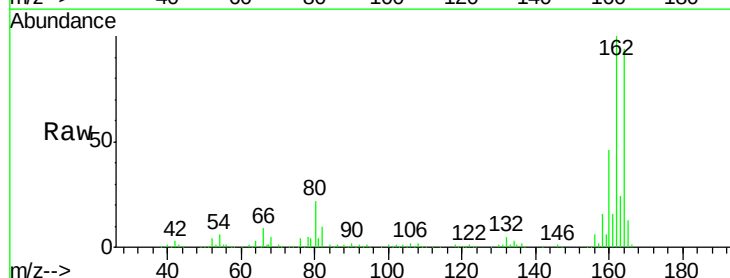
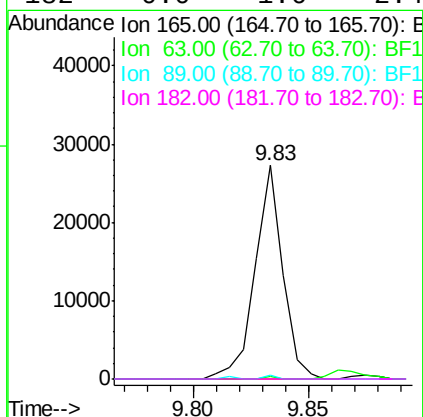
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

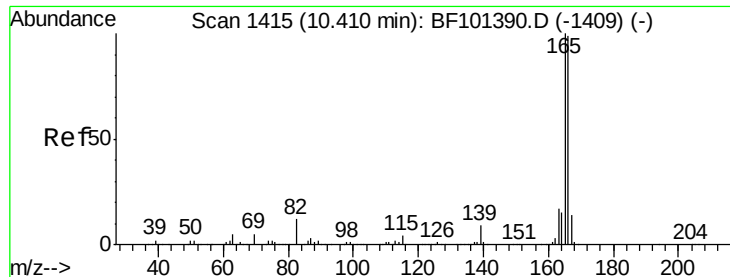
Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.5	48.4	88.4#
65	2.0	72.6	112.6#



#56
2,4-Dinitrotoluene
Concen: 7.270 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.21 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

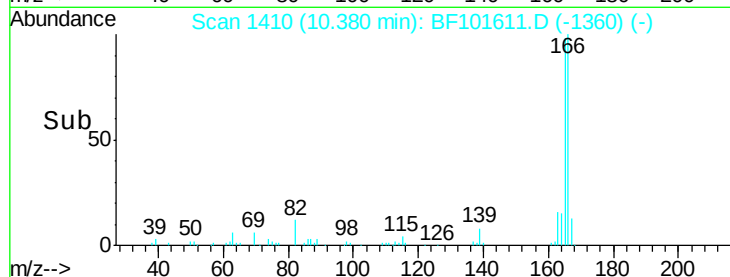
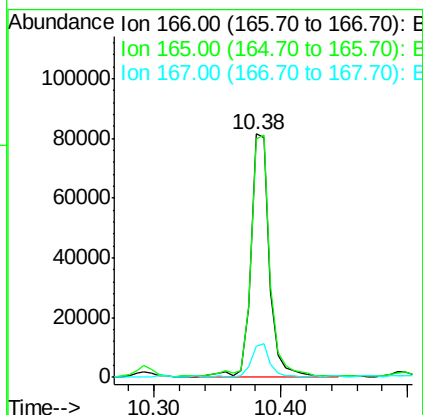
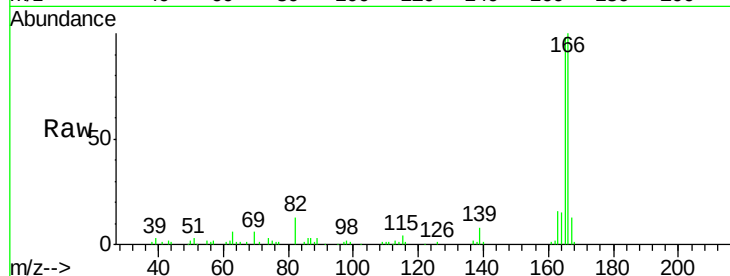




#57
 Fluorene
 Concen: 7.114 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

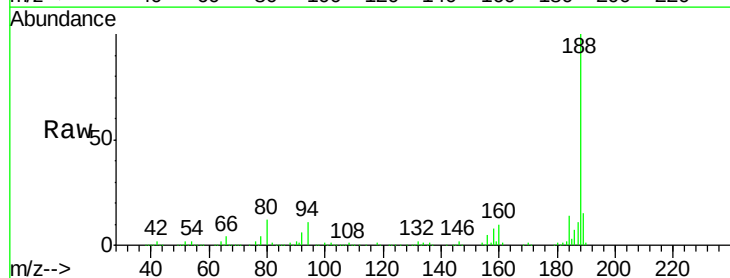
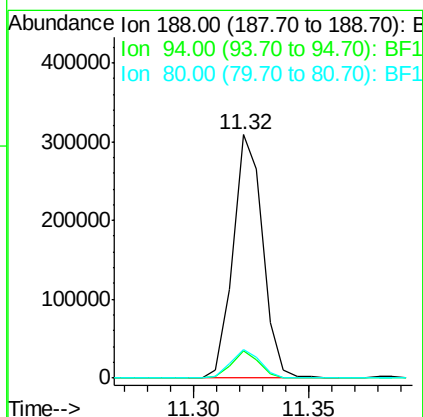
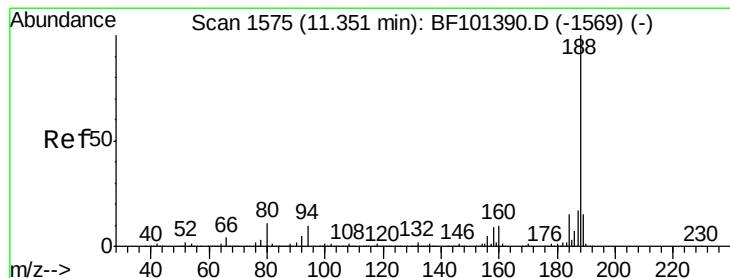
Instrument :
 BNA_F
 ClientSampled :
 ROLL-OFF-3

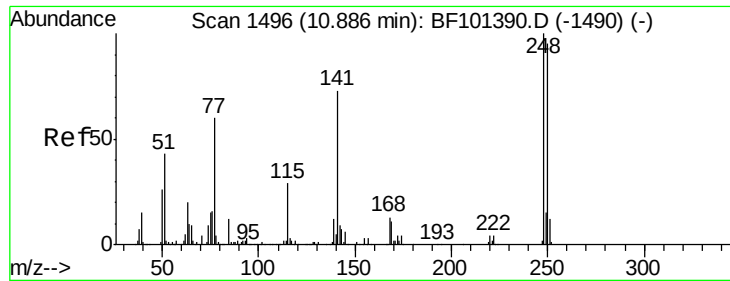
Tgt Ion:166 Resp: 84235
 Ion Ratio Lower Upper
 166 100
 165 97.9 79.8 119.8
 167 12.6 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Tgt Ion:188 Resp: 276571
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.5 12.7
 80 11.8 9.2 13.8

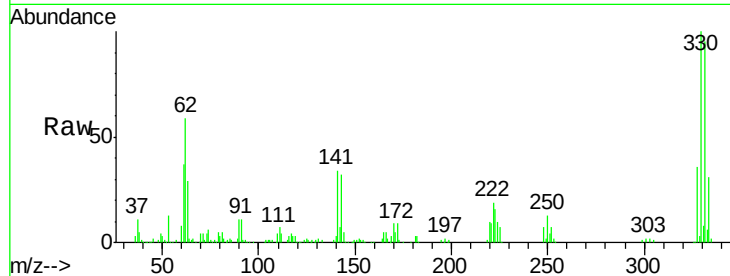




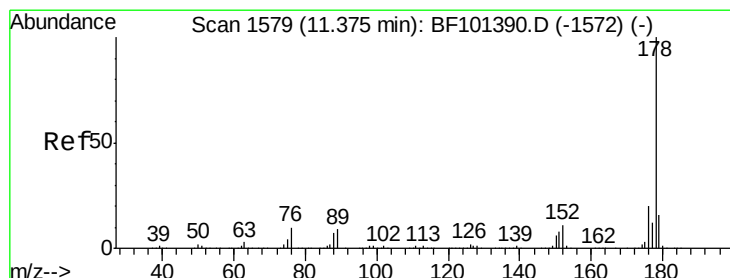
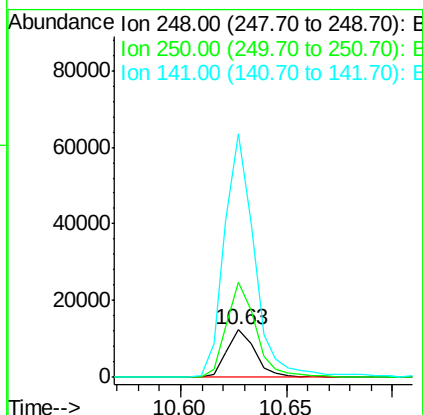
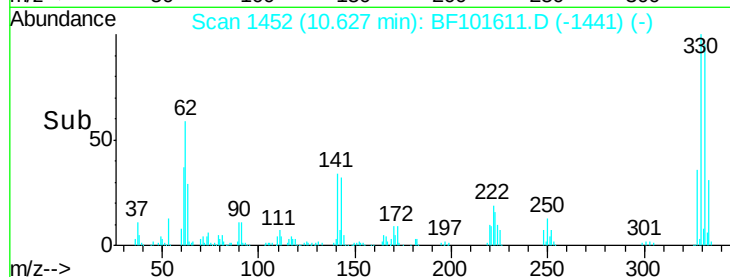
#66
 4-Bromophenyl-phenylether
 Concen: 3.693 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-3

Tgt Ion:248 Resp: 11476
 Ion Ratio Lower Upper
 248 100
 250 200.8 76.9 115.3#
 141 513.9 74.4 111.6#

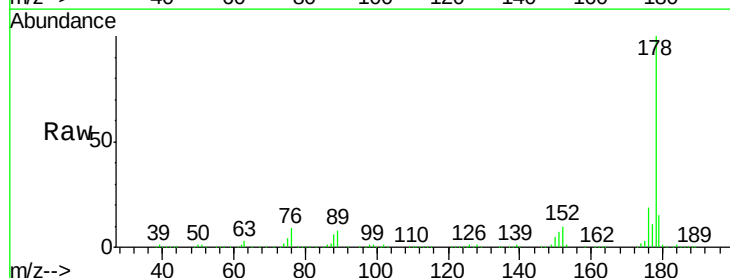


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

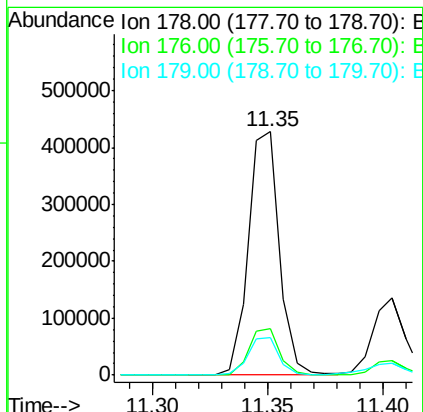
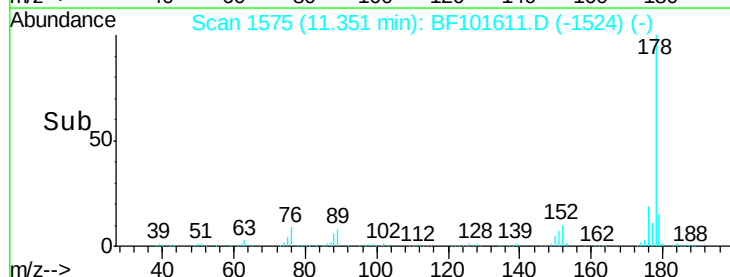


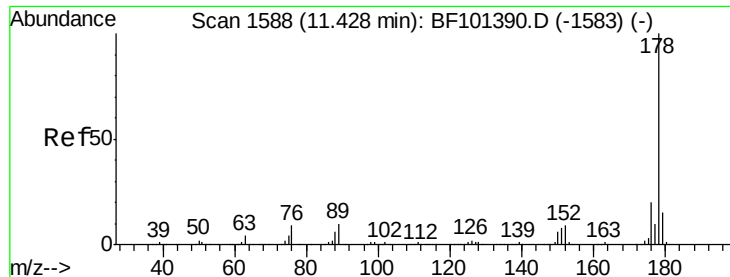
#70
 Phenanthrene
 Concen: 26.119 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Tgt Ion:178 Resp: 401731
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 15.2 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: 8.504 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-3

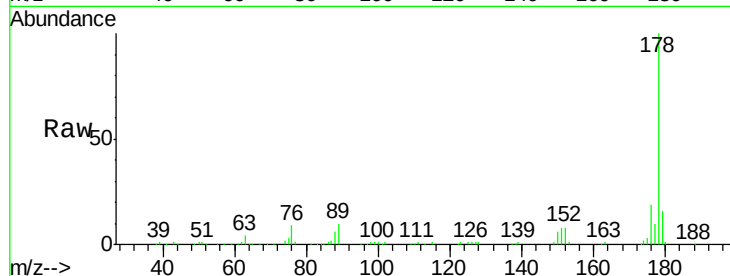
Tgt Ion:178 Resp: 133610

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

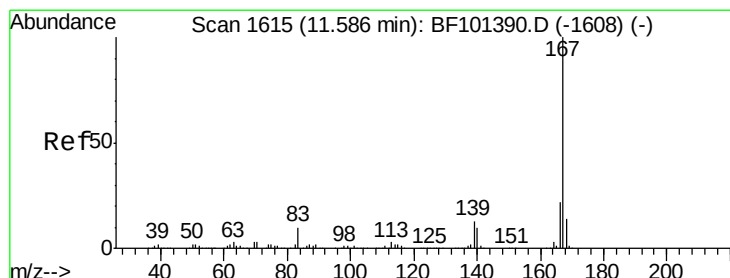
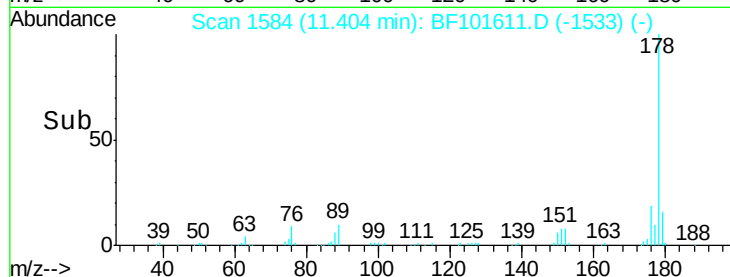
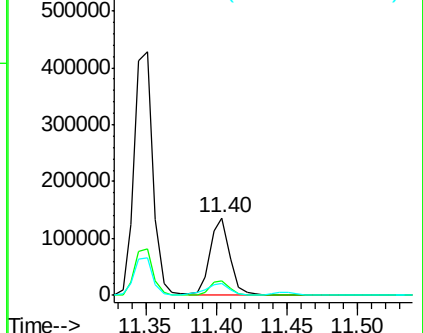
179 16.2 12.6 19.0



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



#72

Carbazole

Concen: 4.556 ng

RT: 11.56 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

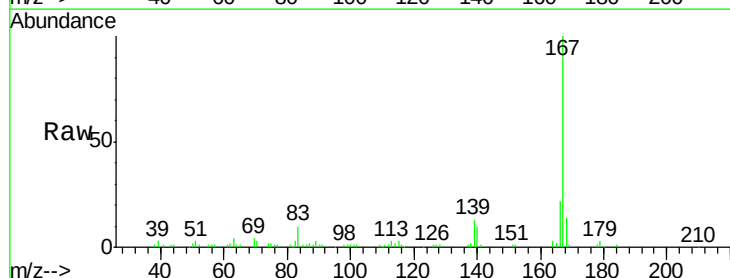
Tgt Ion:167 Resp: 67012

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

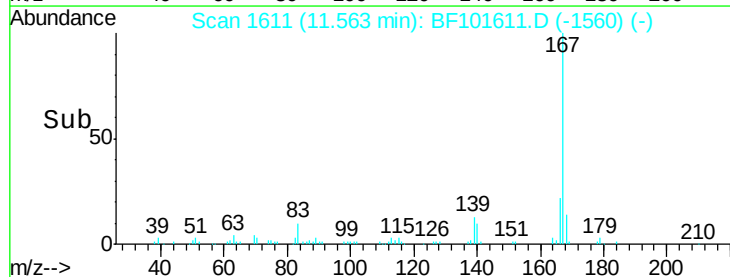
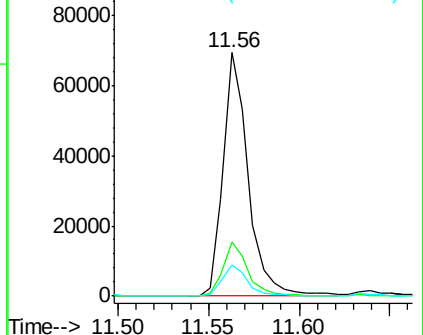
139 12.7 10.9 16.3

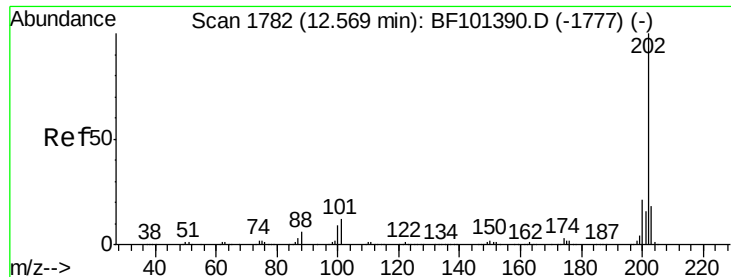


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 21.071 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-3

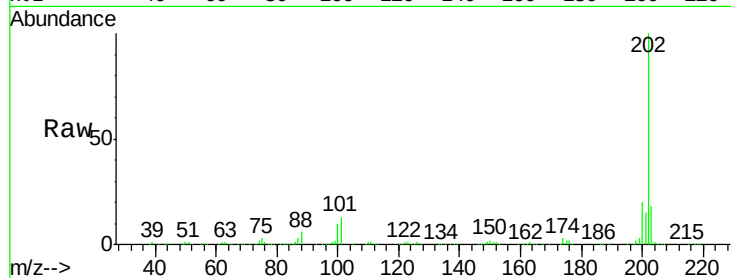
Tgt Ion: 202 Resp: 340173

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

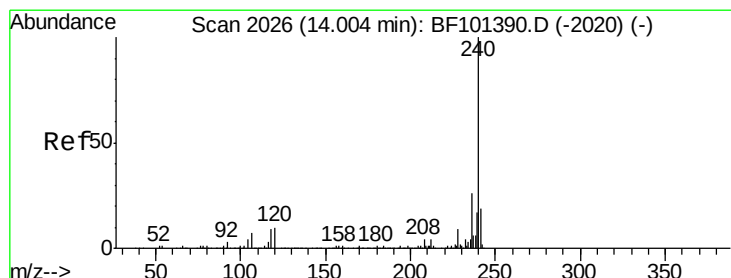
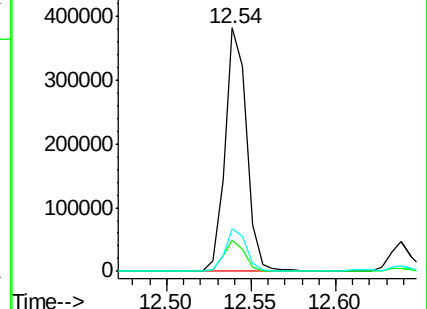
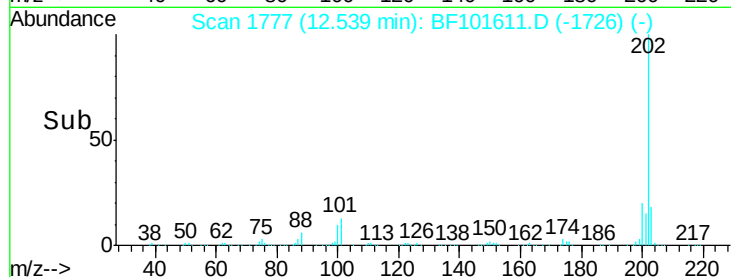
203 17.7 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

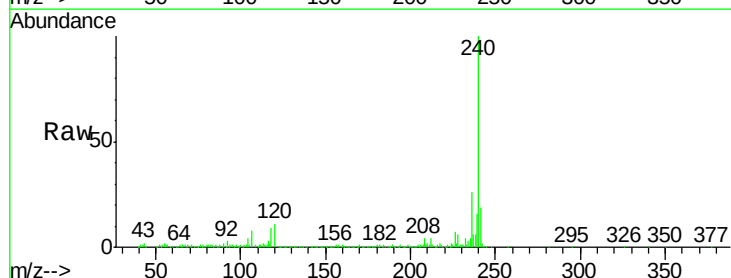
Tgt Ion: 240 Resp: 291035

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

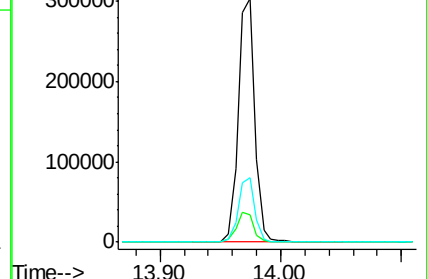
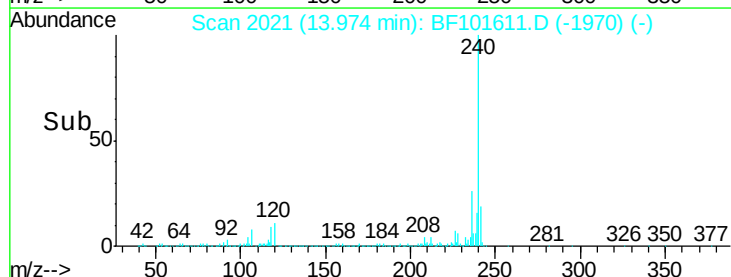
236 26.2 20.7 31.1

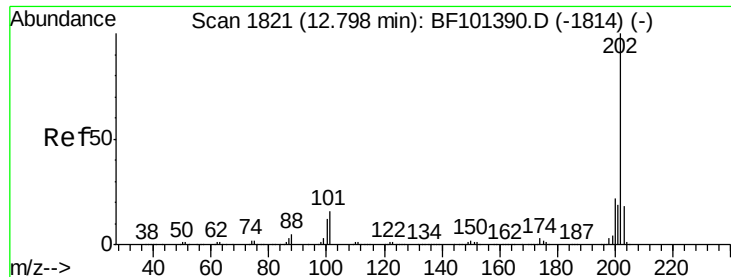


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

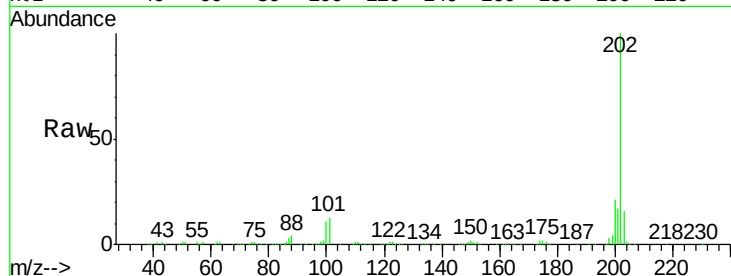




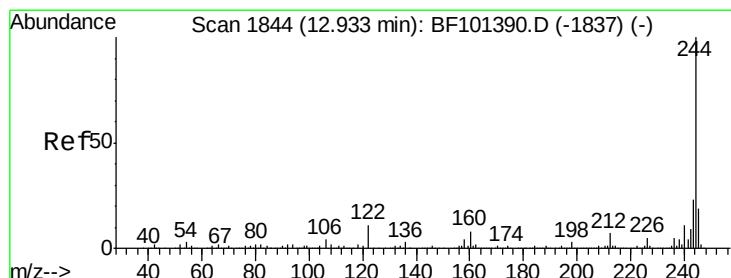
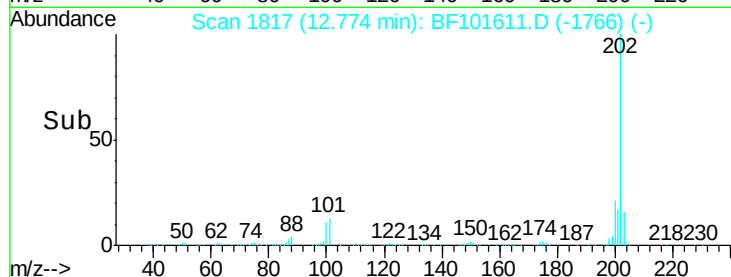
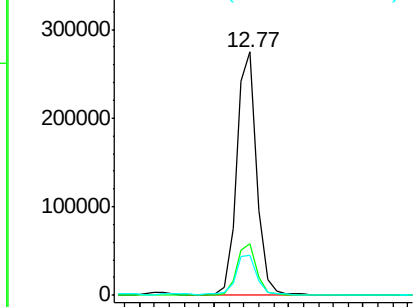
#77
 Pyrene
 Concen: 11.652 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-3

Tgt Ion: 202 Resp: 254503
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.4 26.2
 203 16.4 14.3 21.5

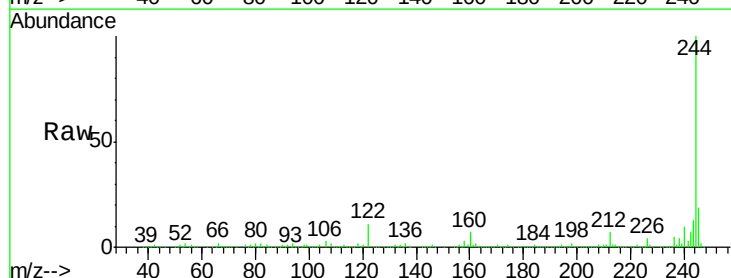


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

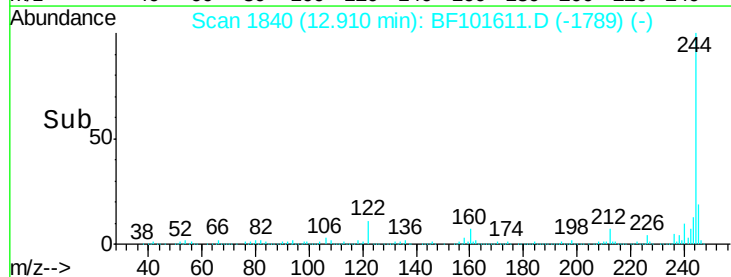
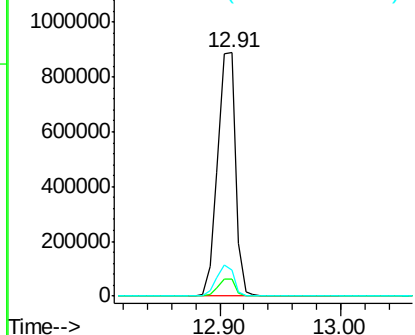


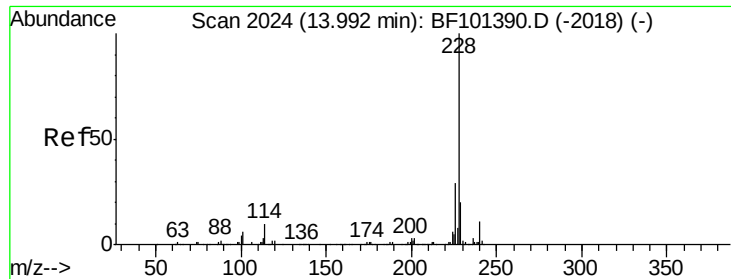
#78
 Terphenyl-d14
 Concen: 74.998 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF101611.D
 Acq: 21 Dec 2017 17:12

Tgt Ion: 244 Resp: 905403
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.6 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: 6.539 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-3

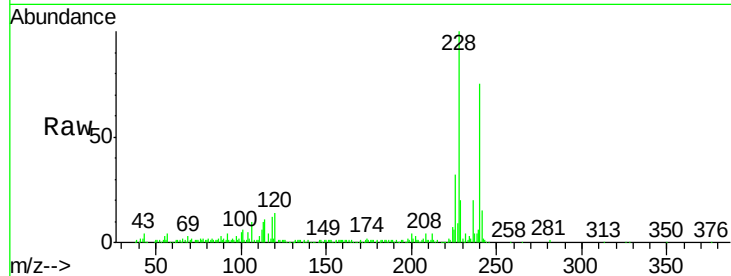
Tgt Ion:228 Resp: 125655

Ion Ratio Lower Upper

228 100

226 32.0 22.6 33.8

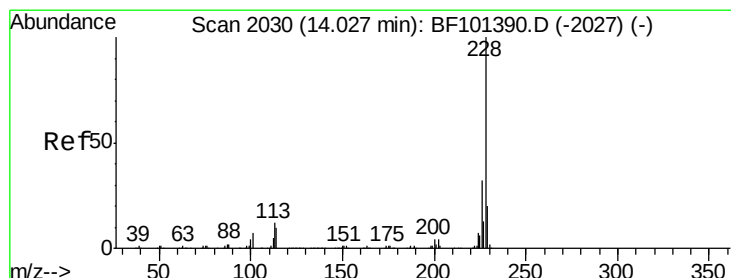
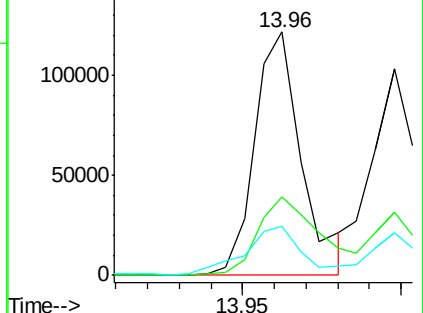
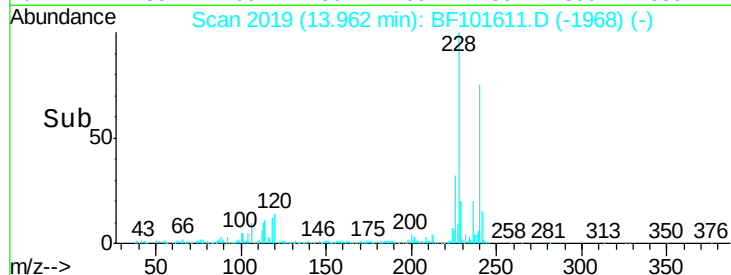
229 20.3 15.8 23.6



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: 5.422 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

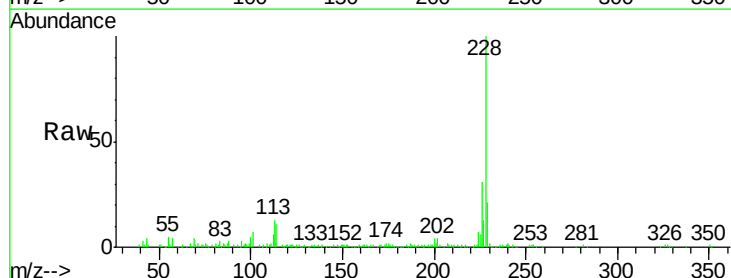
Tgt Ion:228 Resp: 98384

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

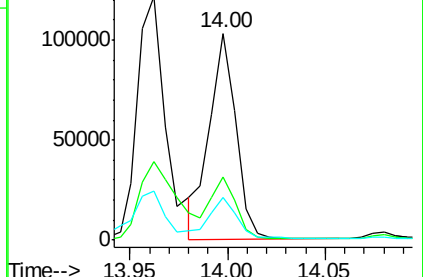
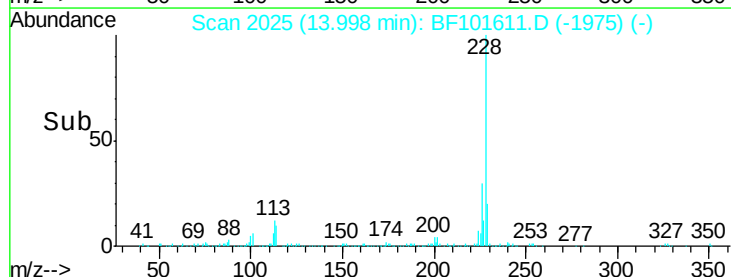
229 20.8 16.2 24.4

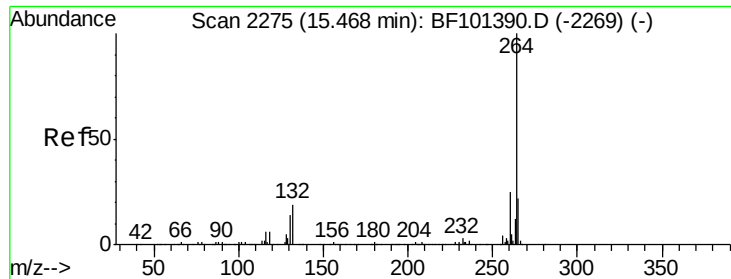


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

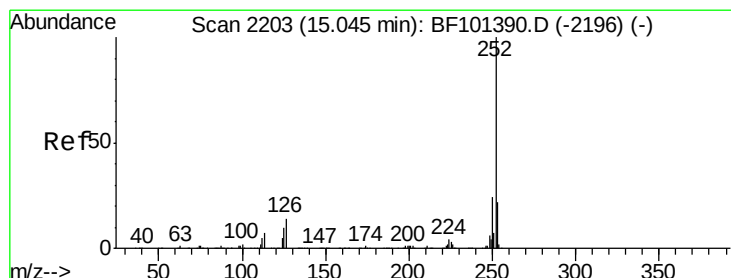
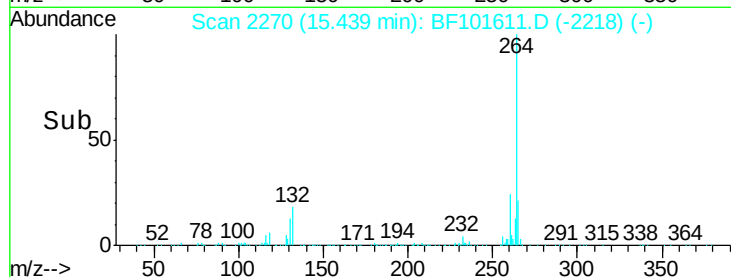
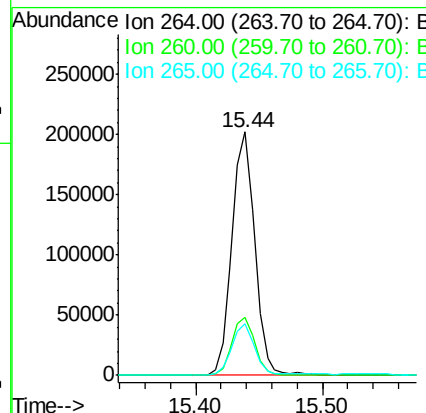
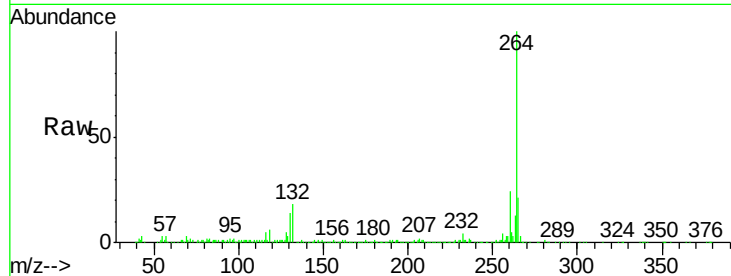




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

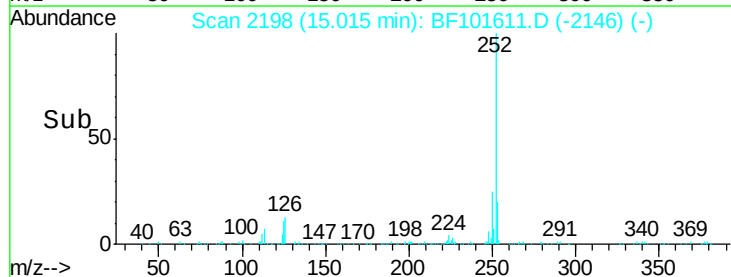
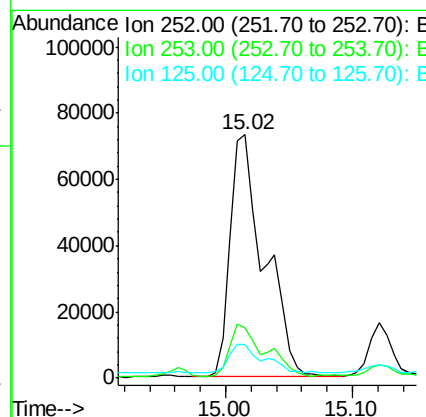
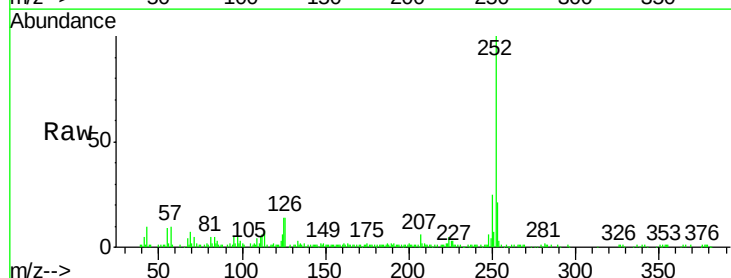
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-3

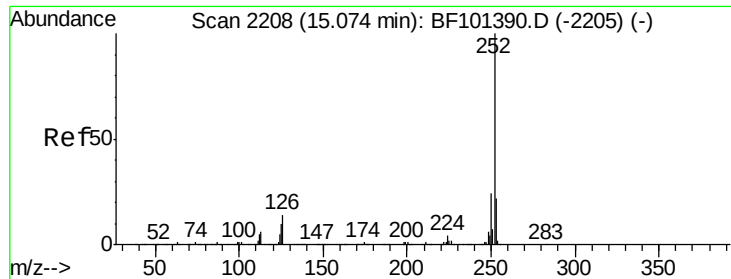
Tgt Ion:264 Resp: 252549
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.1 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.901 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101611.D
Acq: 21 Dec 2017 17:12

Tgt Ion:252 Resp: 137017
Ion Ratio Lower Upper
252 100
253 20.8 17.0 25.6
125 13.6 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 9.155 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

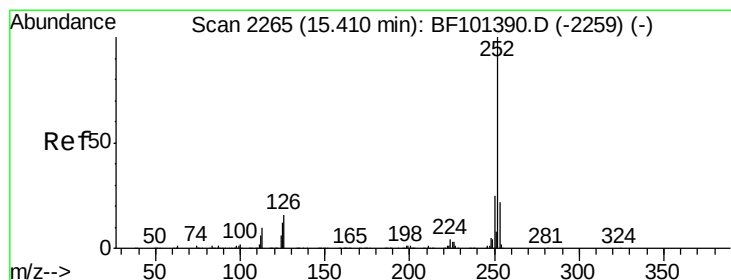
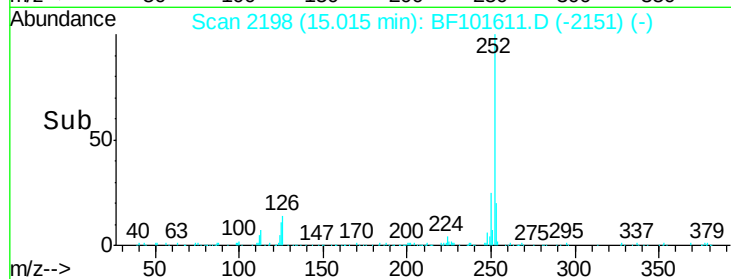
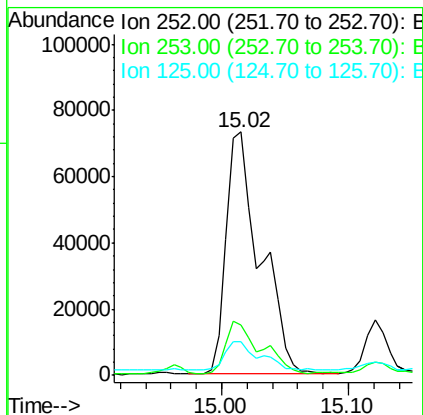
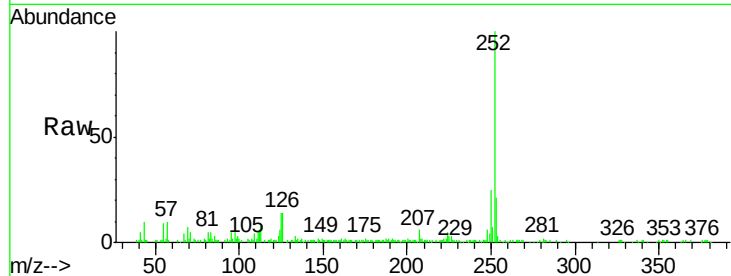
Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-3

Tgt Ion:	252	Resp:	137017
Ion Ratio		Lower	Upper
252	100		
253	20.8	17.9	26.9
125	13.6	10.2	15.2



#89

Benzo(a)pyrene

Concen: 5.005 ng

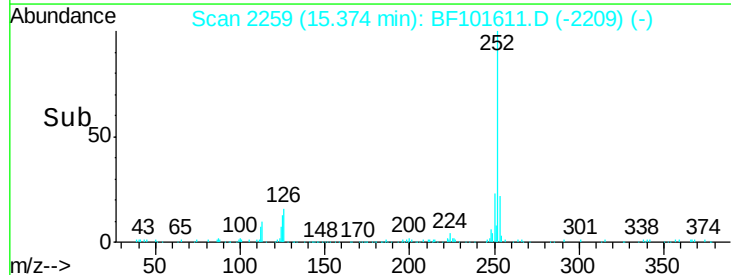
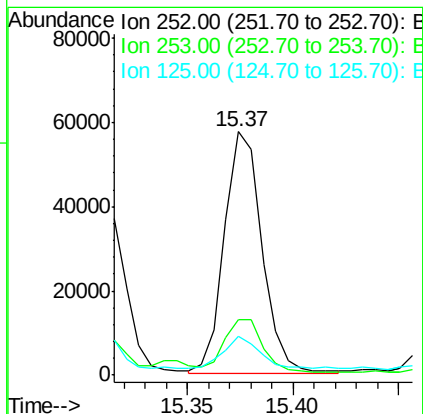
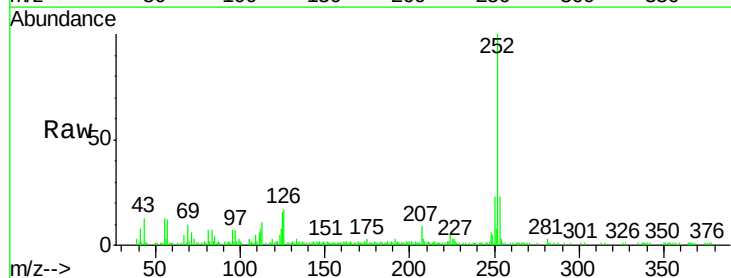
RT: 15.37 min Scan# 2259

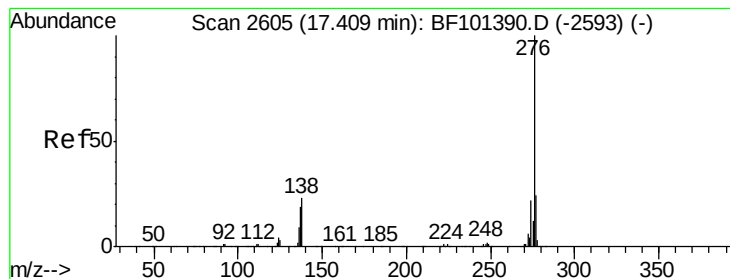
Delta R.T. -0.01 min

Lab File: BF101611.D

Acq: 21 Dec 2017 17:12

Tgt Ion:	252	Resp:	71021
Ion Ratio		Lower	Upper
252	100		
253	22.9	17.1	25.7
125	15.9	9.8	14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.641 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.02 min

Lab File: BF101611.D

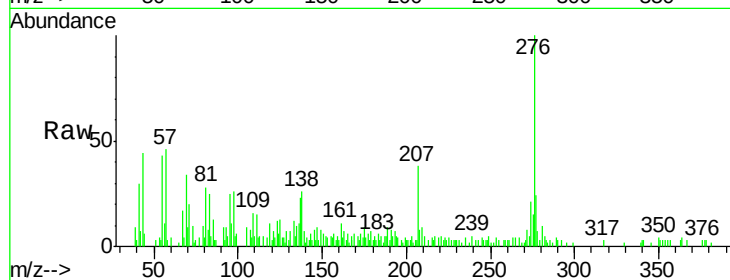
Acq: 21 Dec 2017 17:12

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-3



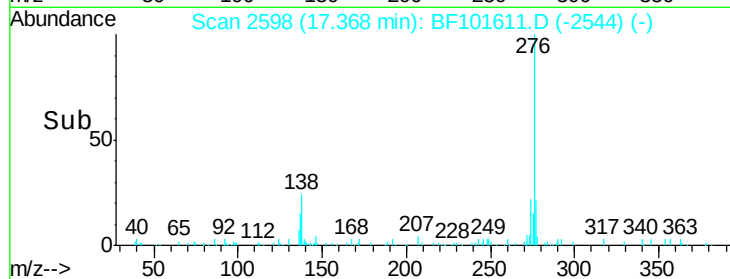
Tgt Ion: 276 Resp: 31857

Ion Ratio Lower Upper

276 100

277 24.1 17.9 26.9

138 26.2 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

