

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120117\
 Data File : BF101066.D
 Acq On : 1 Dec 2017 16:37
 Operator : SJ/JU
 Sample : I6618-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-6(0-5)

Quant Time: Dec 01 21:50:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 15:52:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	54900	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	213493	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	95996	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	164725	20.00	ng	0.00
75) Chrysene-d12	14.02	240	128045	20.00	ng	0.00
86) Perylene-d12	15.50	264	119115	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	313388	94.33	ng	0.00
7) Phenol-d6	6.48	99	379955	94.20	ng	0.00
23) Nitrobenzene-d5	7.41	82	234754	65.59	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	72591	62.95	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	460448	65.63	ng	0.00
78) Terphenyl-d14	12.96	244	350284	59.84	ng	0.00

Target Compounds

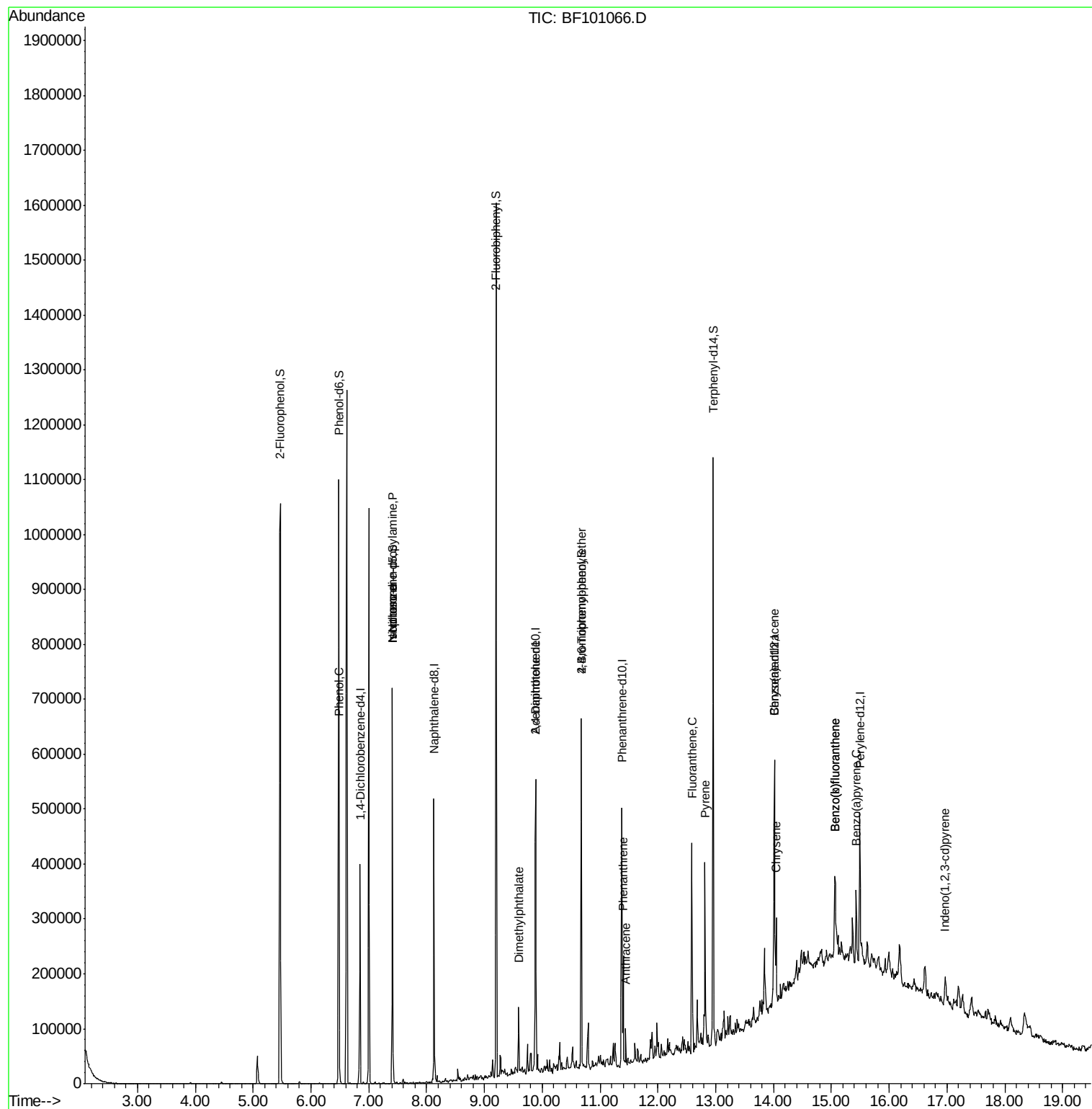
						Qvalue
10) Phenol	6.49	94	15716	3.504	ng	97
19) n-Nitroso-di-n-propylamine	7.41	70	30697	11.300	ng	# 83
25) Isophorone	7.41	82	234751	38.401	ng	# 64
49) Dimethylphthalate	9.59	163	23228	3.000	ng	# 96
56) 2,4-Dinitrotoluene	9.89	165	13261	6.068	ng	# 21
66) 4-Bromophenyl-phenylether	10.67	248	4842	2.626	ng	# 1
70) Phenanthrene	11.40	178	76023	8.381	ng	97
71) Anthracene	11.44	178	23488	2.558	ng	97
74) Fluoranthene	12.59	202	145204	14.440	ng	96
77) Pyrene	12.82	202	134079	15.175	ng	98
80) Benzo(a)anthracene	14.01	228	71383	8.830	ng	98
82) Chrysene	14.04	228	68778	9.160	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	30353	4.547	ng	95
87) Benzo(b)fluoranthene	15.06	252	108769	15.245	ng	# 93
88) Benzo(k)fluoranthene	15.06	252	108769	15.474	ng	95
89) Benzo(a)pyrene	15.43	252	57844	8.918	ng	95

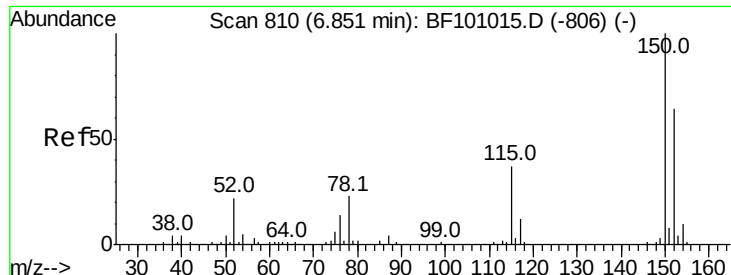
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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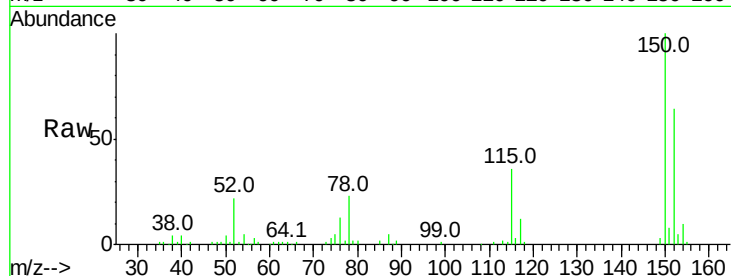


#1

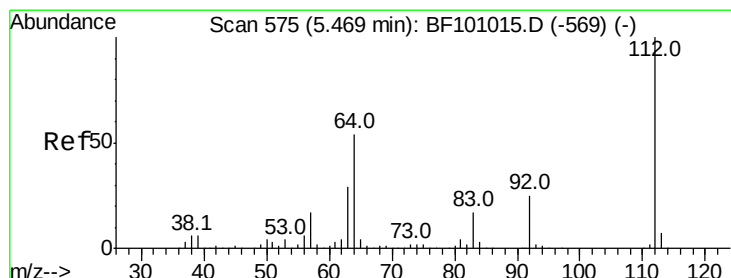
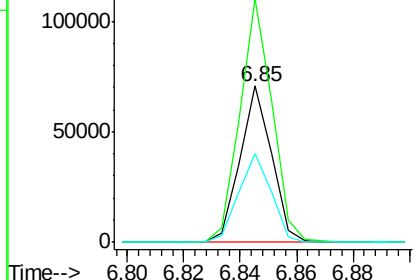
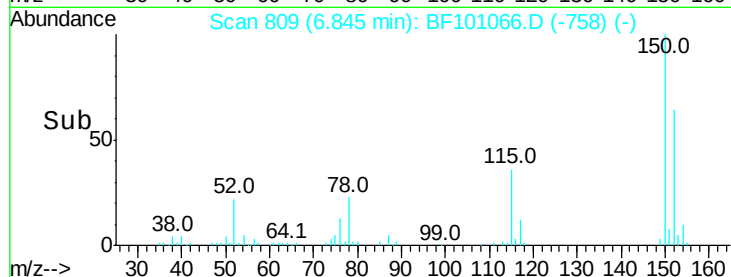
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101066.D
Acq: 1 Dec 2017 16:37

Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Tot Ion:152 Resp: 54900
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 56.8 50.1 75.1



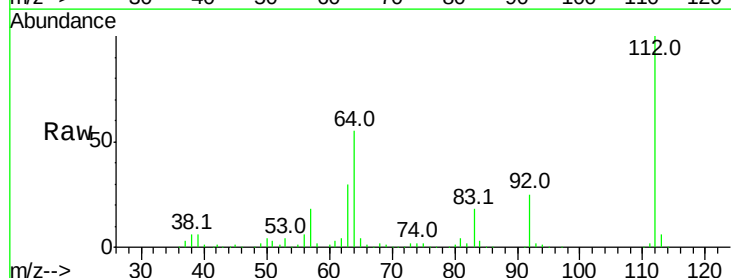
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



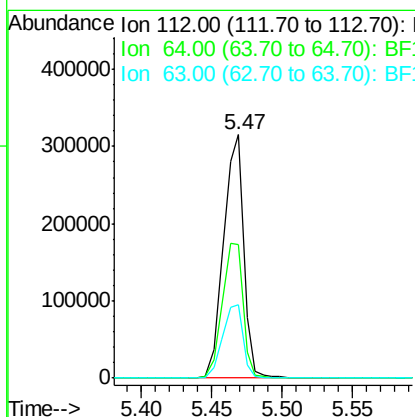
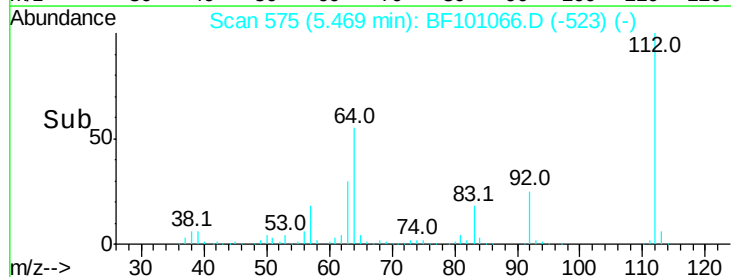
#5

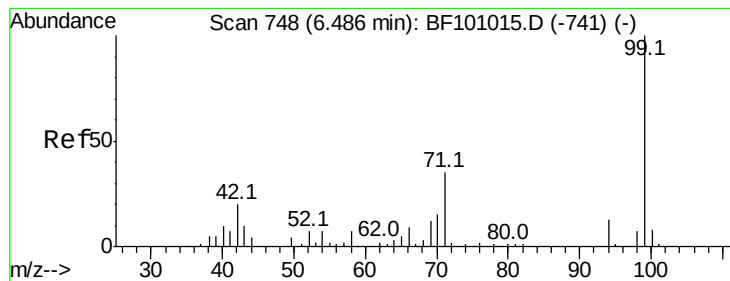
2-Fluorophenol
Concen: 94.327 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF101066.D
Acq: 1 Dec 2017 16:37

Tgt Ion:112 Resp: 313388
Ion Ratio Lower Upper
112 100
64 55.1 47.9 71.9
63 30.3 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: 94.196 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101066.D

Acq: 1 Dec 2017 16:37

Instrument :

BNA_F

ClientSampleId :

ENV-106-6(0-5)

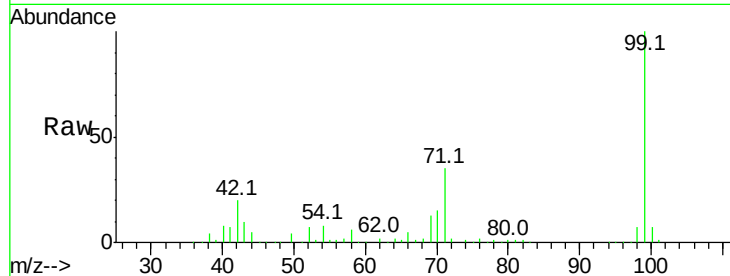
Tot Ion: 99 Resp: 379955

Ion Ratio Lower Upper

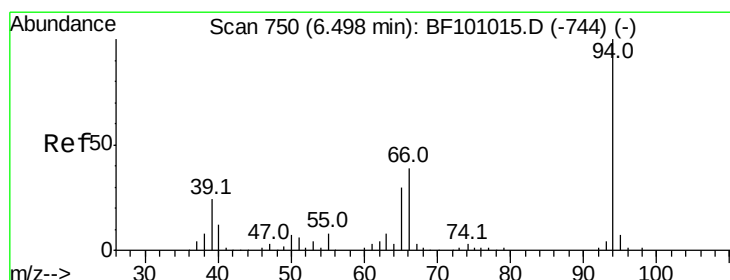
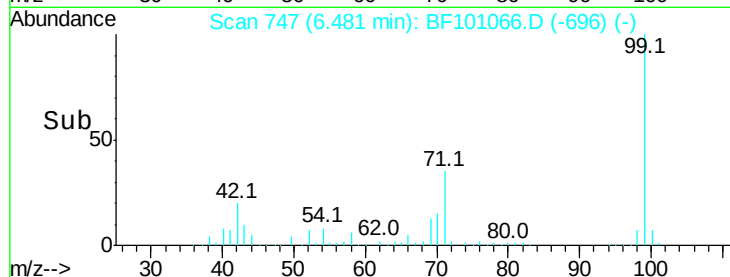
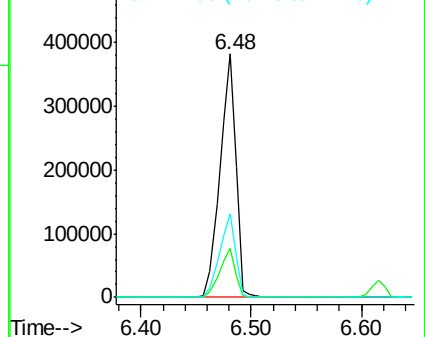
99 100

42 20.3 14.5 21.7

71 34.5 25.4 38.0



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



#10

Phenol

Concen: 3.504 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101066.D

Acq: 1 Dec 2017 16:37

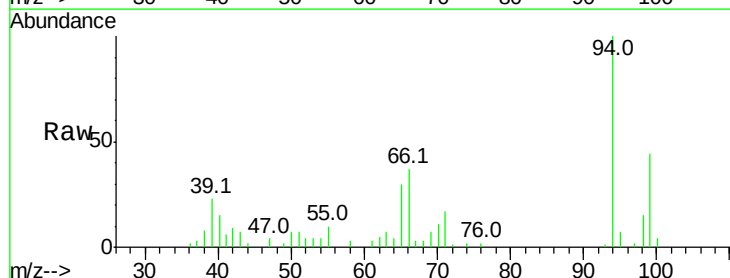
Tgt Ion: 94 Resp: 15716

Ion Ratio Lower Upper

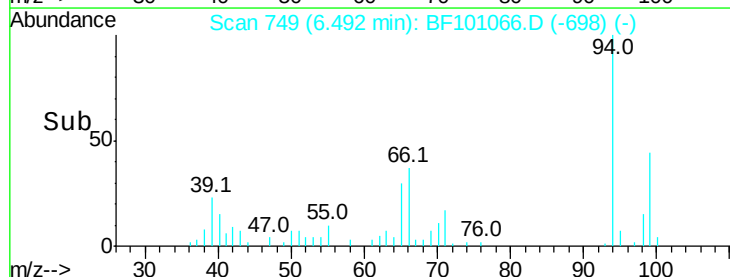
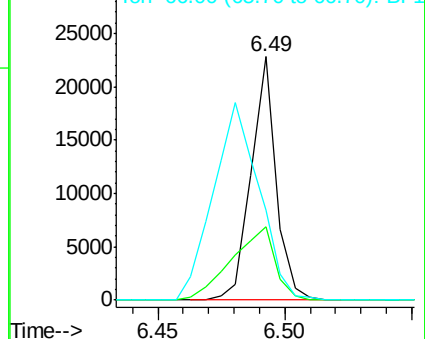
94 100

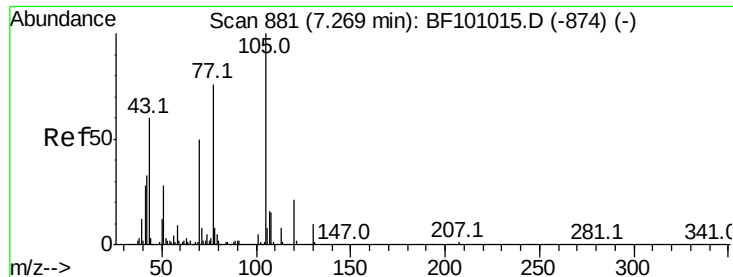
65 30.1 7.9 47.9

66 37.1 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

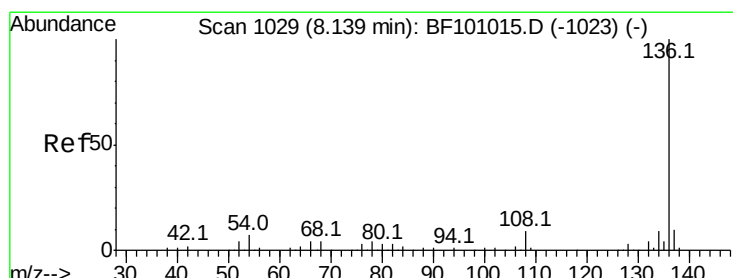
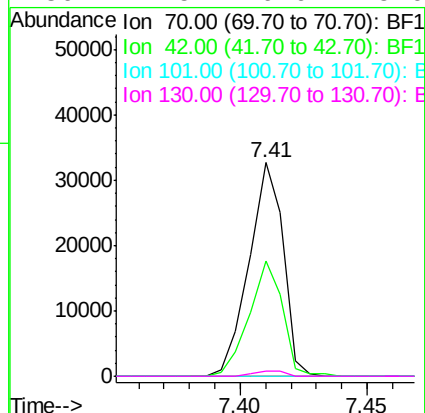
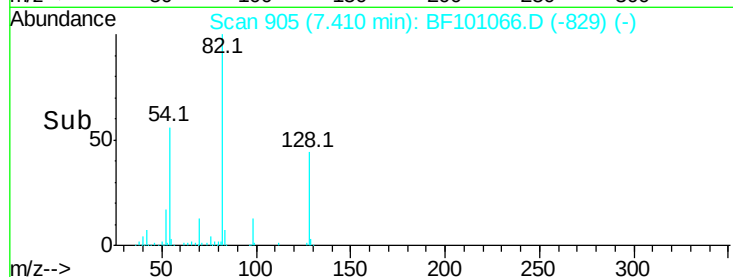
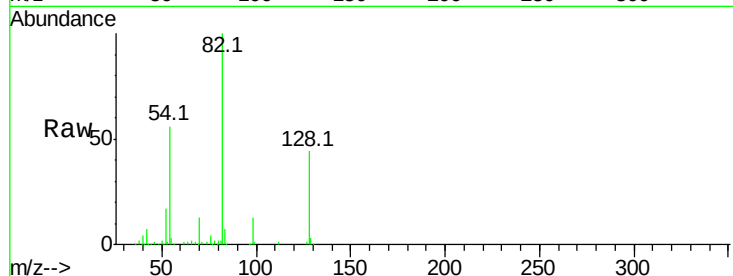




#19
n-Nitroso-di-n-propylamine
Concen: 11.300 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.15 min
Lab File: BF101066.D
Acq: 1 Dec 2017 16:37

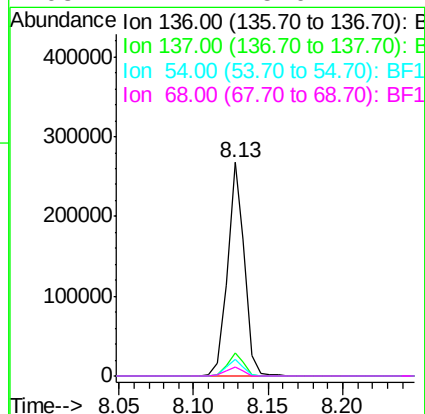
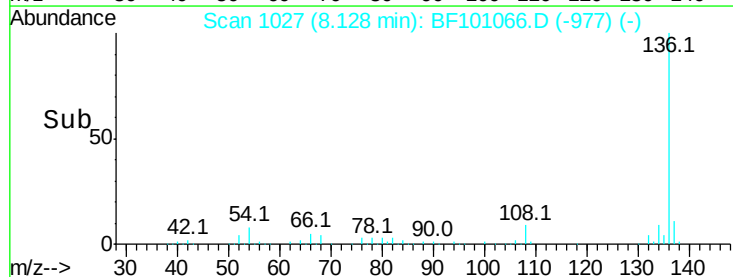
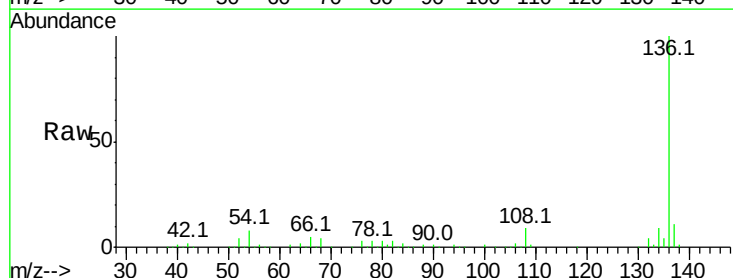
Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

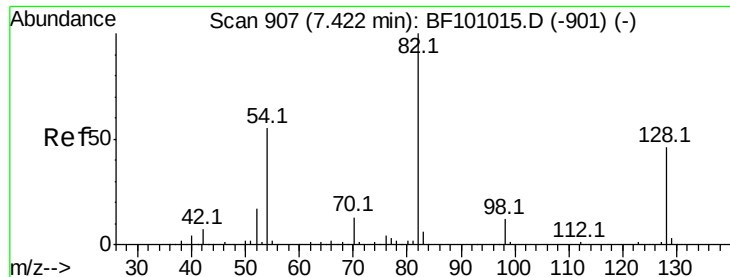
Tot Ion: 70 Resp: 30697
Ion Ratio Lower Upper
70 100
42 53.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101066.D
Acq: 1 Dec 2017 16:37

Tgt Ion:136 Resp: 213493
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.1 6.6 9.8
68 4.4 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 65.594 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF101066.D

Acq: 1 Dec 2017 16:37

Instrument :

BNA_F

ClientSampleId :

ENV-106-6(0-5)

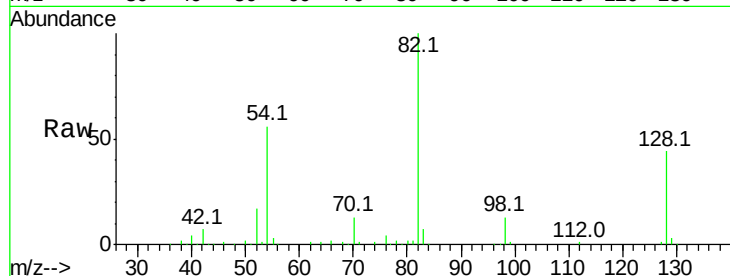
Tot Ion: 82 Resp: 234754

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

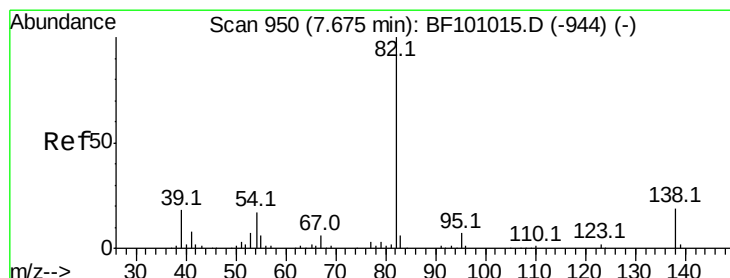
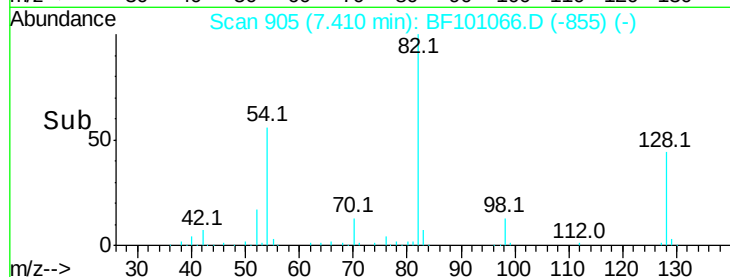
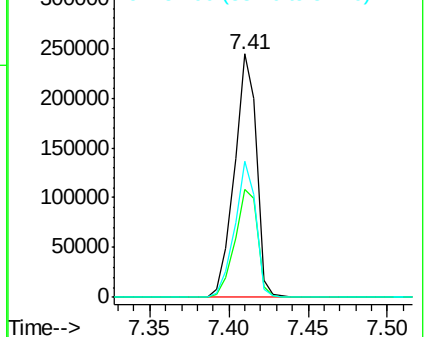
54 55.7 41.4 62.2



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: 38.401 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101066.D

Acq: 1 Dec 2017 16:37

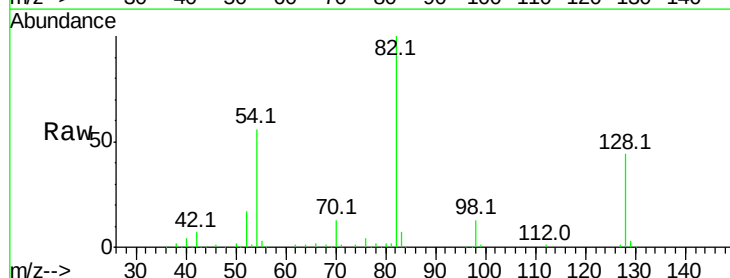
Tgt Ion: 82 Resp: 234751

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

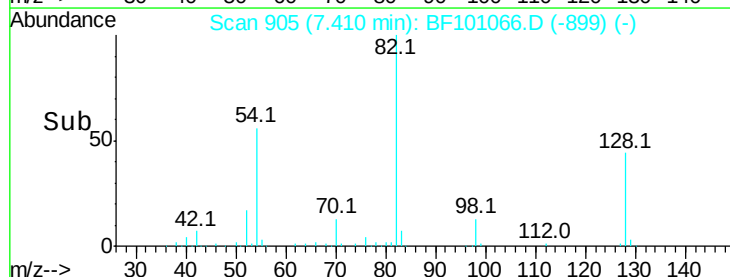
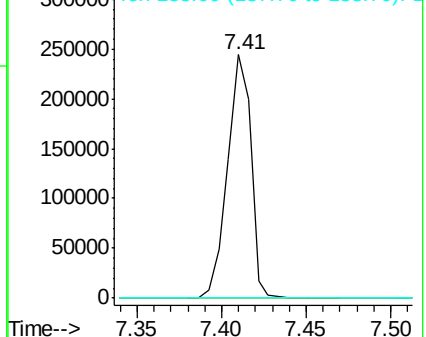
138 0.0 14.9 22.3#

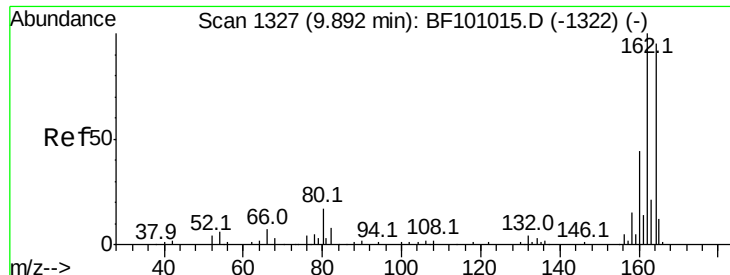


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

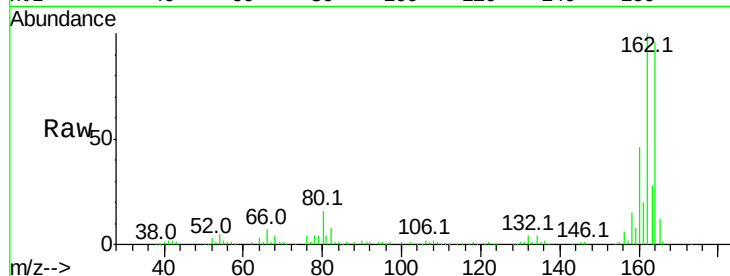




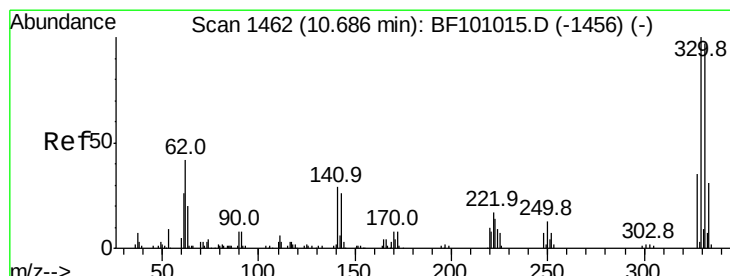
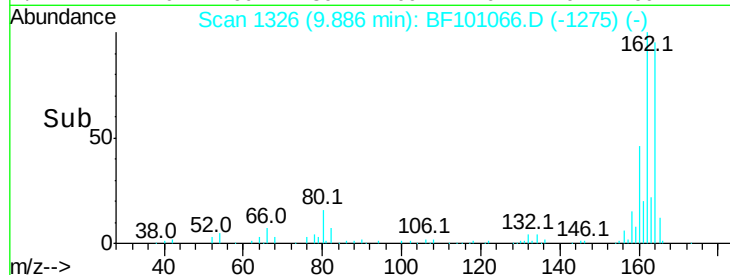
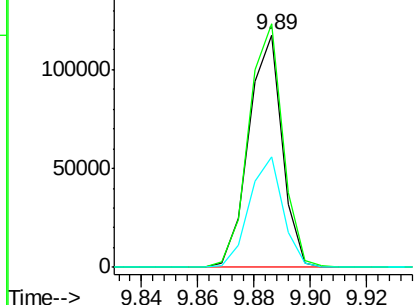
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-6(0-5)

Tot Ion:164 Resp: 95996
 Ion Ratio Lower Upper
 164 100
 162 104.7 86.1 129.1
 160 47.7 38.3 57.5

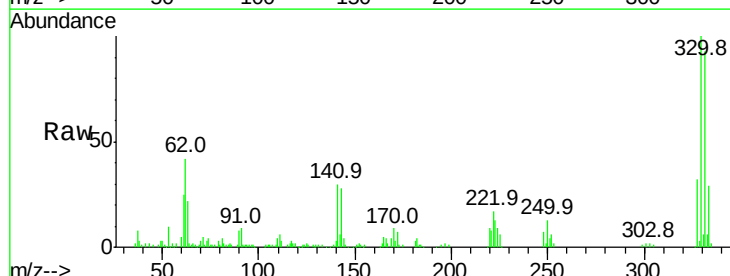


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

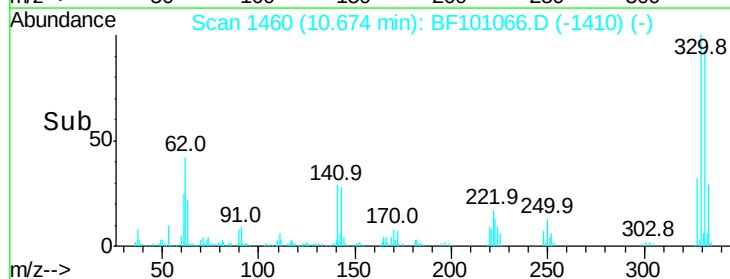
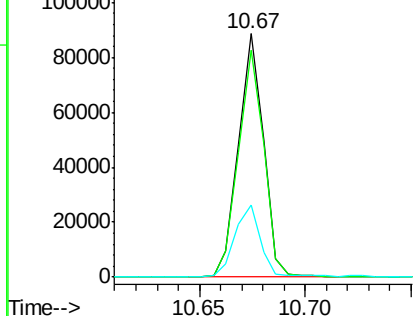


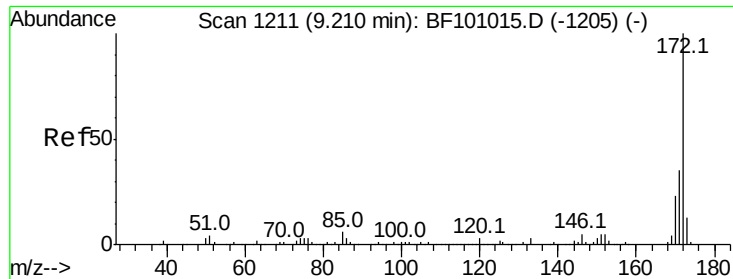
#41
 2,4,6-Tribromophenol
 Concen: 62.948 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Tgt Ion:330 Resp: 72591
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 31.1 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

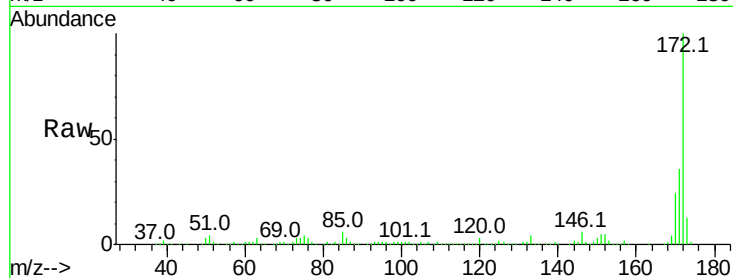




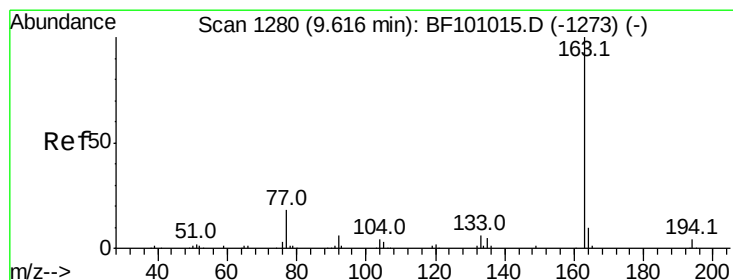
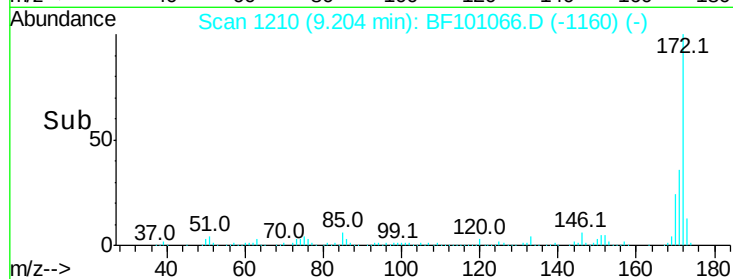
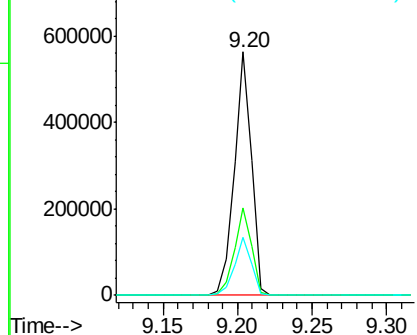
#44
 2-Fluorobiphenyl
 Concen: 65.626 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-6(0-5)

Tot Ion:172 Resp: 460448
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 24.0 19.6 29.4

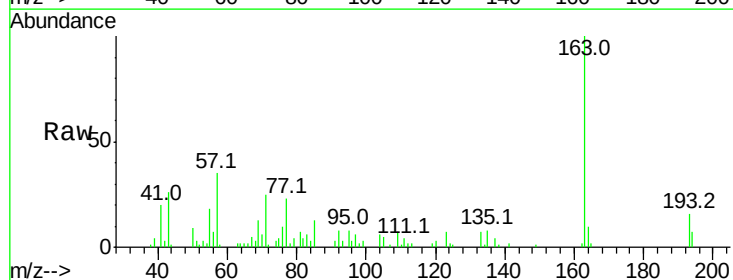


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

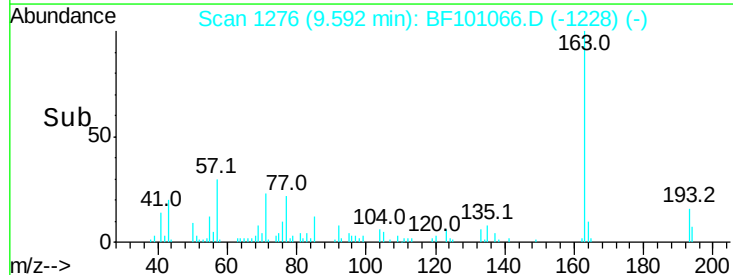
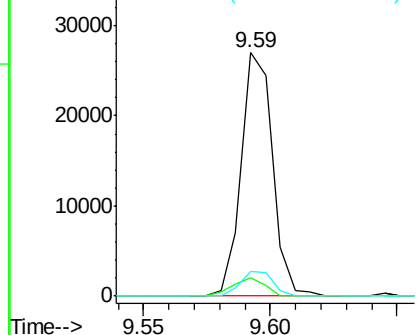


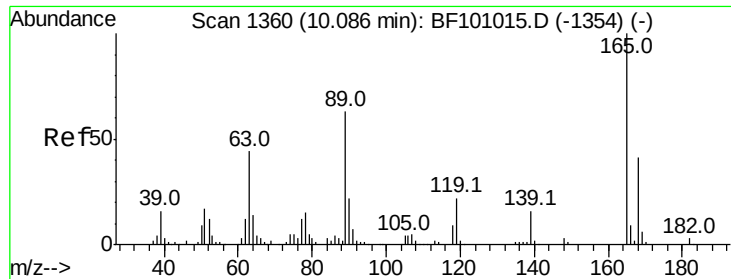
#49
 Dimethylphthalate
 Concen: 3.000 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Tgt Ion:163 Resp: 23228
 Ion Ratio Lower Upper
 163 100
 194 7.3 2.7 4.1#
 164 9.9 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

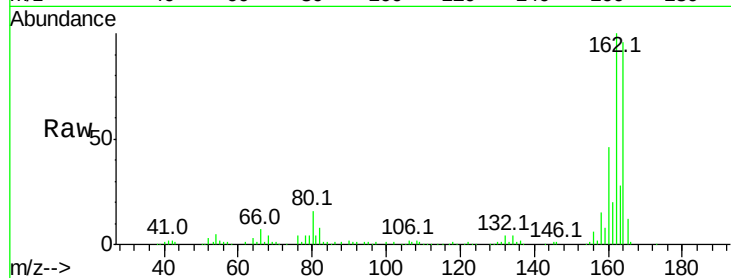




#56
 2,4-Dinitrotoluene
 Concen: 6.068 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.19 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-6(0-5)

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

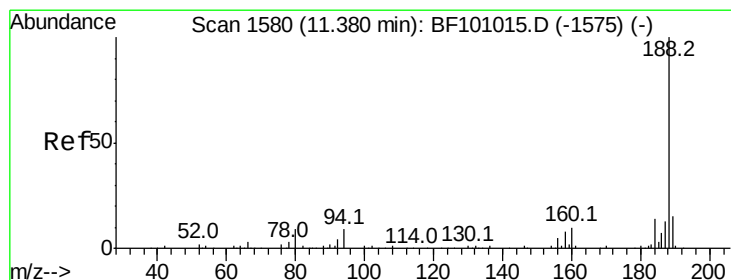
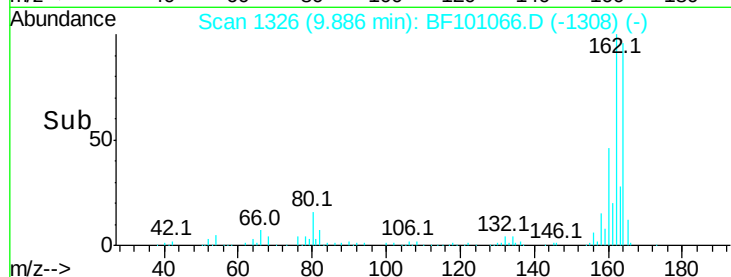
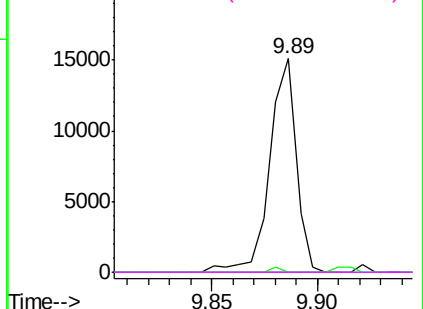


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

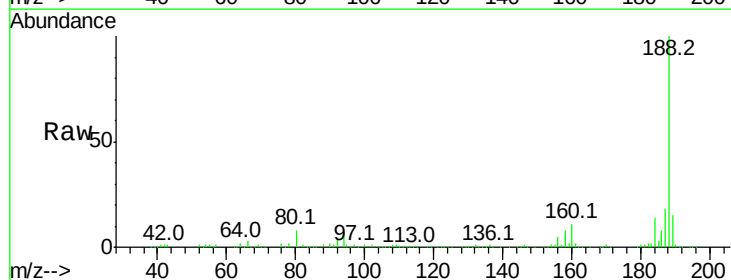
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

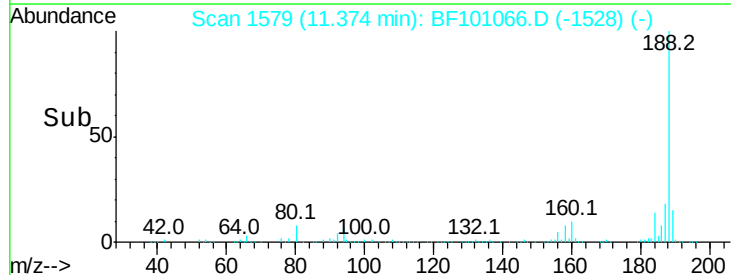
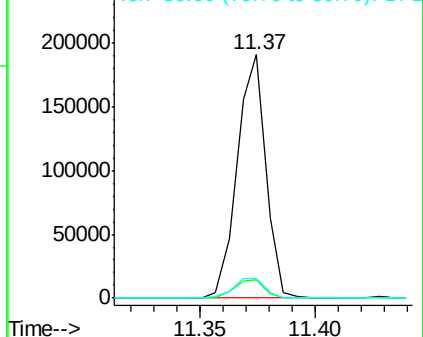
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	8.5	12.7#
80	8.0	9.2	13.8#

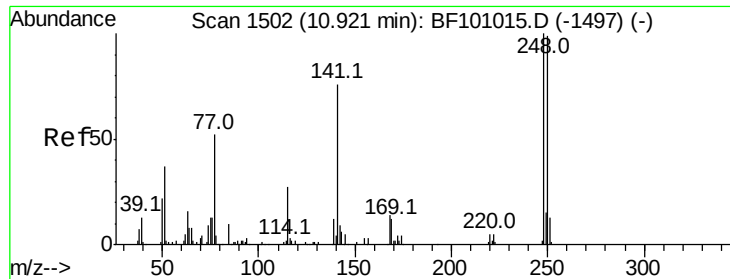


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

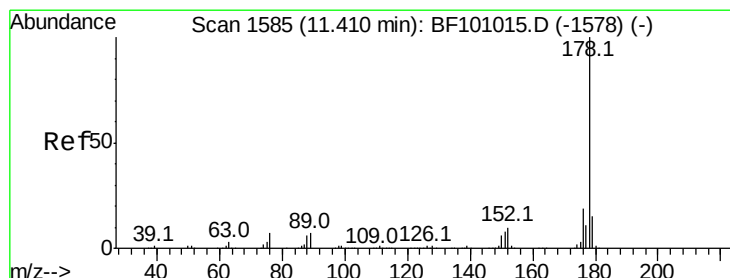
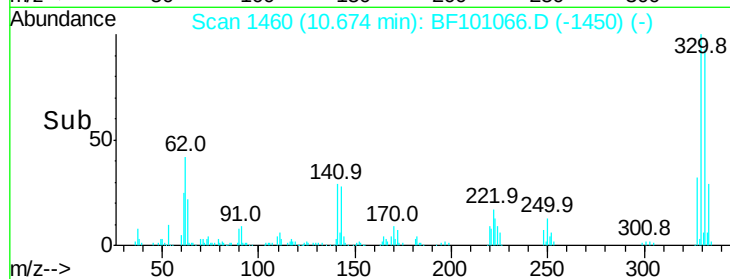
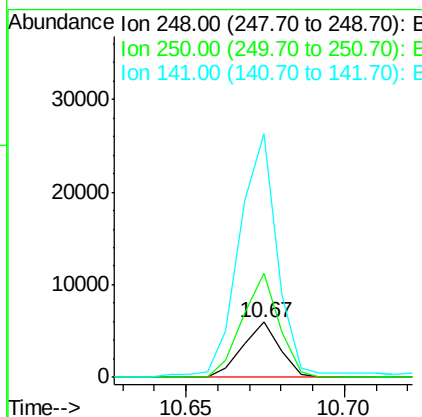
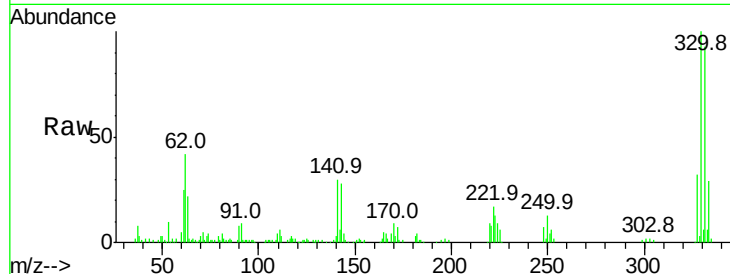




#66
 4-Bromophenyl-phenylether
 Concen: 2.626 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.24 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

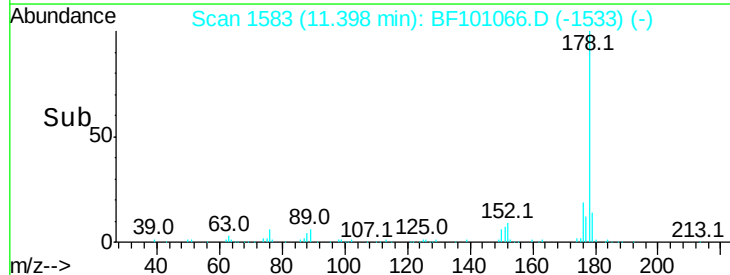
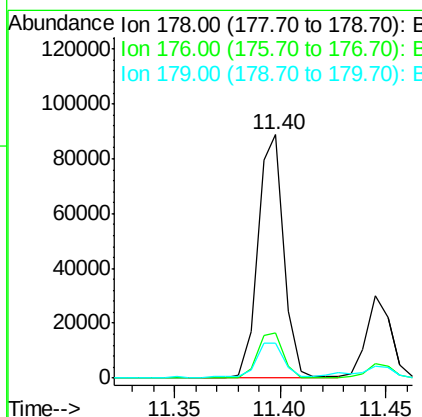
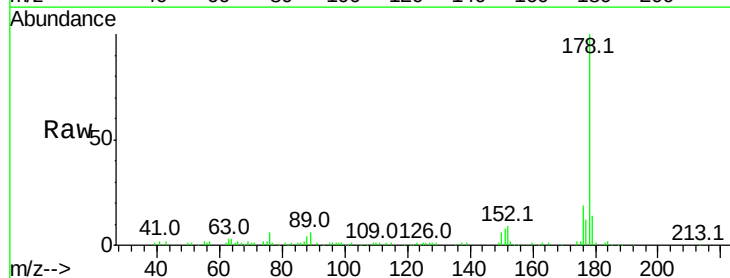
Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-6(0-5)

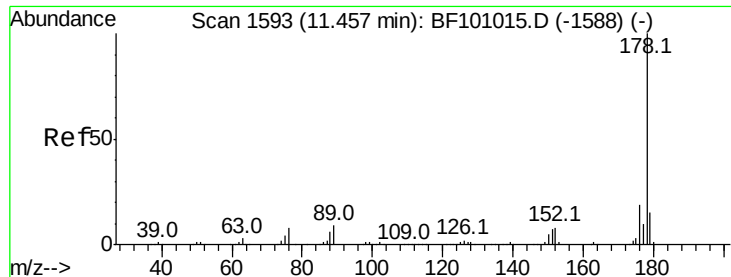
Tot Ion:248 Resp: 4842
 Ion Ratio Lower Upper
 248 100
 250 189.9 76.9 115.3#
 141 441.7 74.4 111.6#



#70
 Phenanthrene
 Concen: 8.381 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Tgt Ion:178 Resp: 76023
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 14.2 13.0 19.6

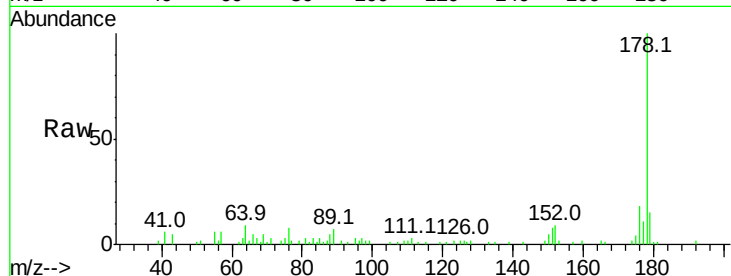




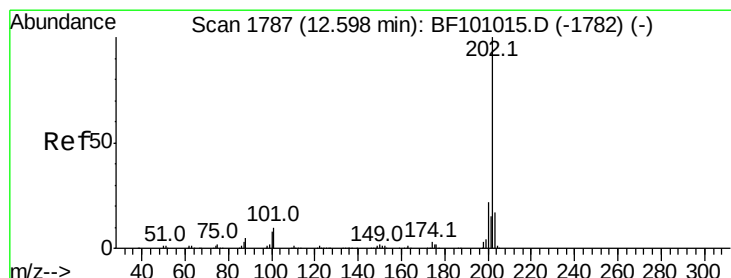
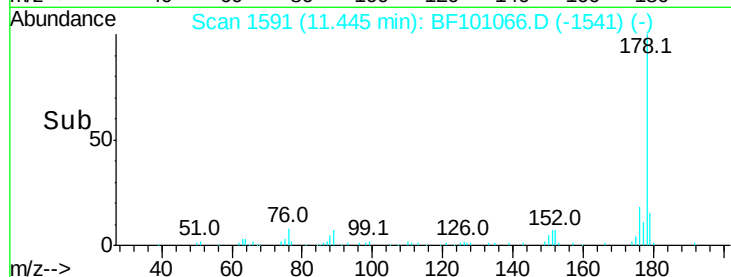
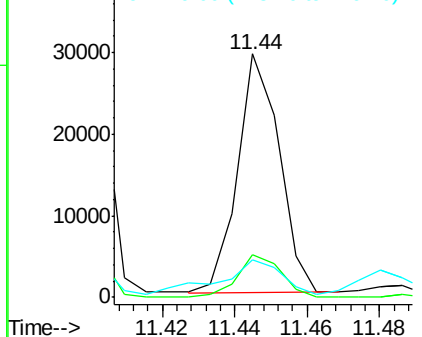
#71
 Anthracene
 Concen: 2.558 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-6(0-5)

Tot Ion:178 Resp: 23488
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 15.3 12.6 19.0

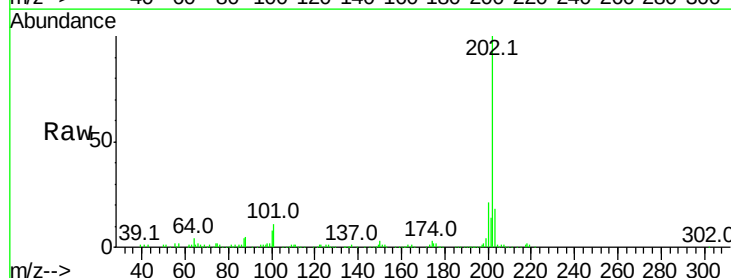


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

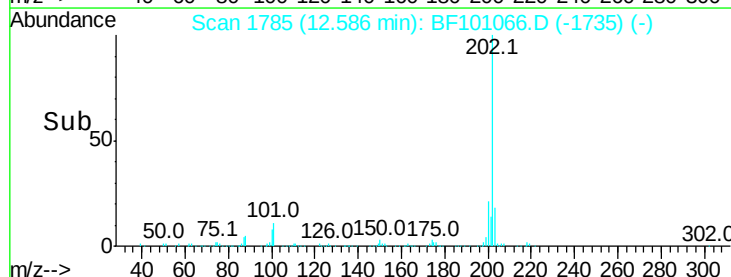
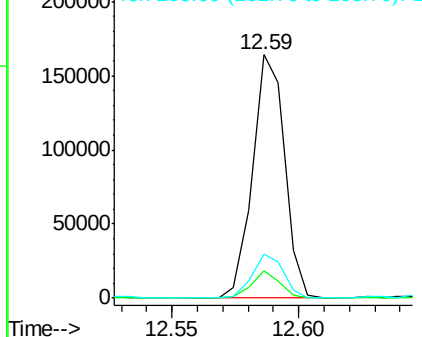


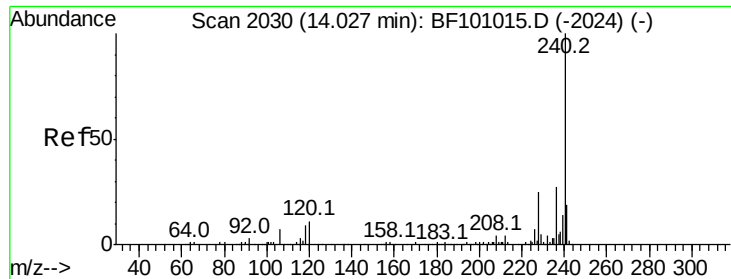
#74
 Fluoranthene
 Concen: 14.440 ng
 RT: 12.59 min Scan# 1785
 Delta R.T. -0.01 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Tgt Ion:202 Resp: 145204
 Ion Ratio Lower Upper
 202 100
 101 11.1 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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF101066.D

Acq: 1 Dec 2017 16:37

Instrument :

BNA_F

ClientSampleId :

ENV-106-6(0-5)

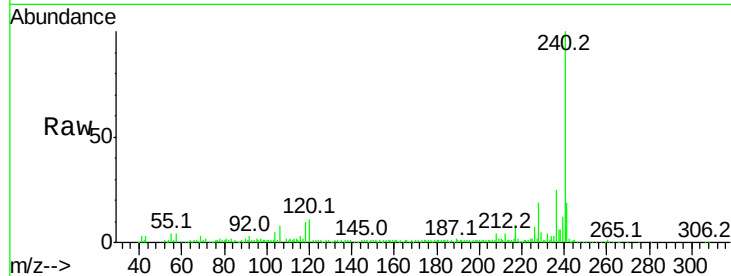
Tot Ion:240 Resp: 128045

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

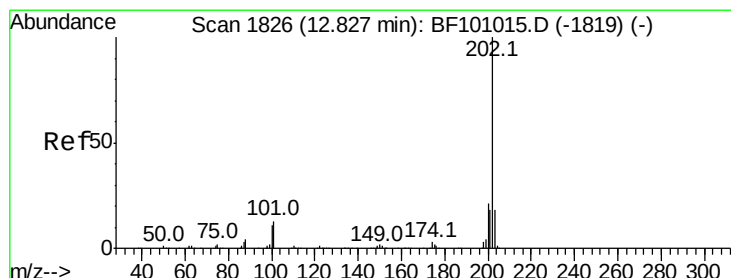
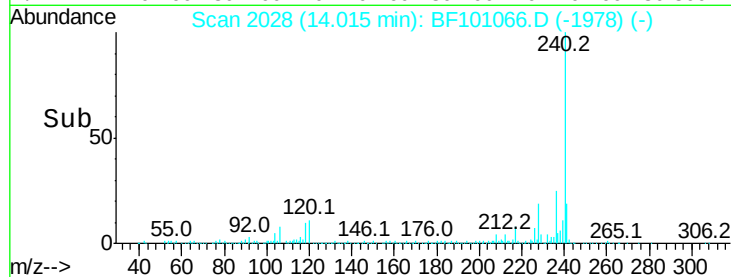
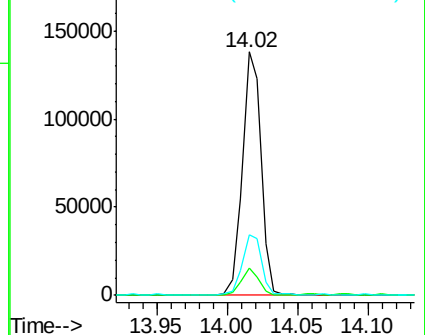
236 25.0 20.7 31.1



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: 15.175 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF101066.D

Acq: 1 Dec 2017 16:37

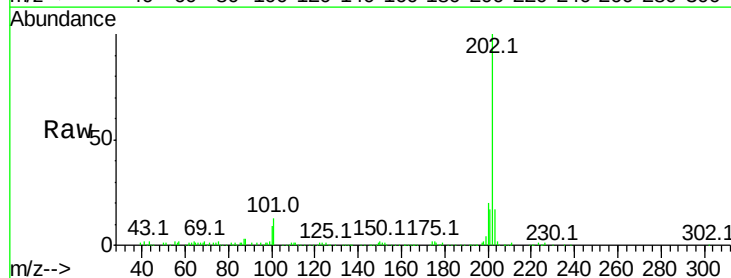
Tgt Ion:202 Resp: 134079

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

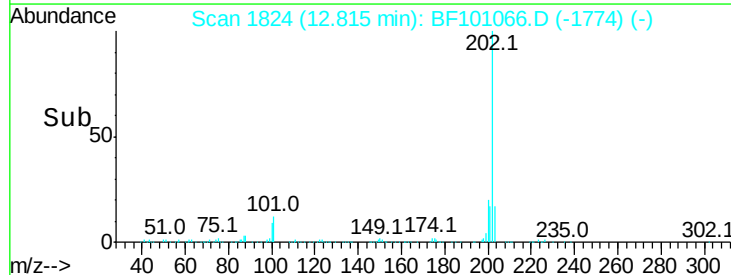
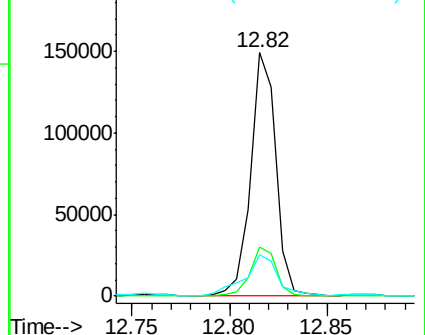
203 17.1 14.3 21.5

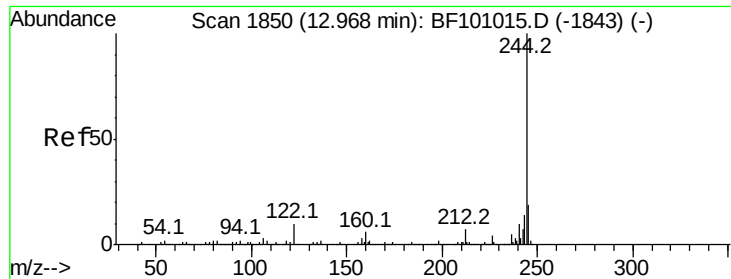


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

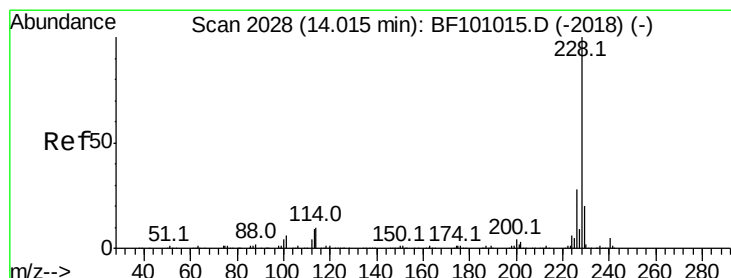
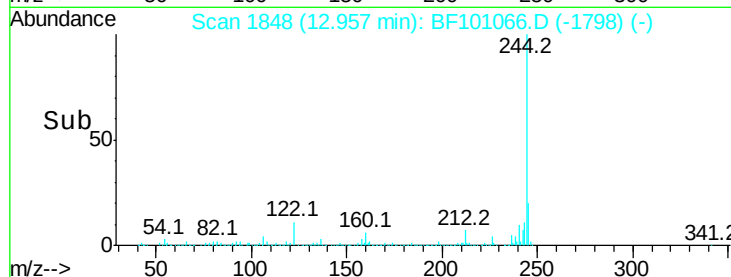
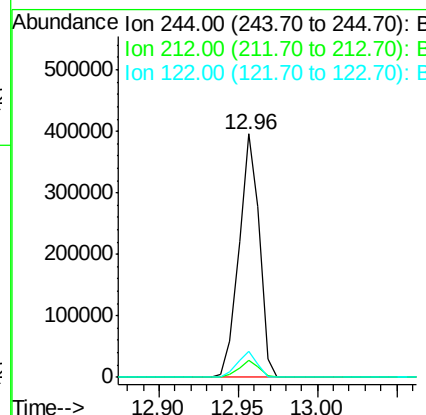
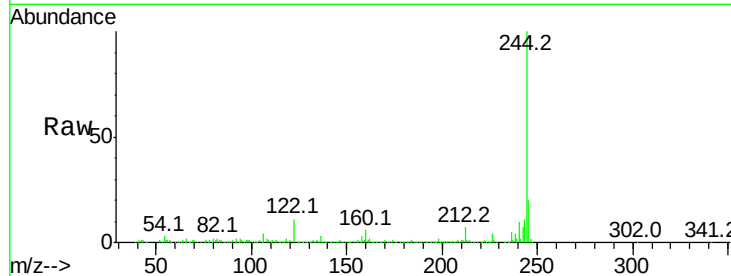




#78
 Terphenyl-d14
 Concen: 59.835 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

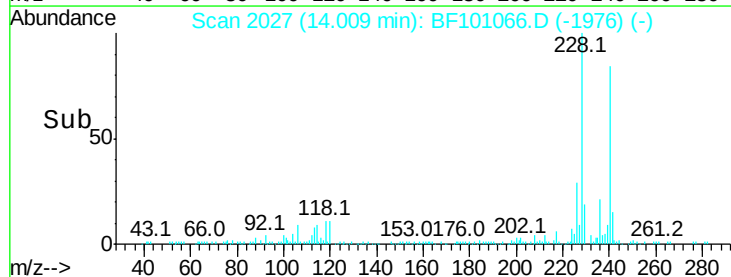
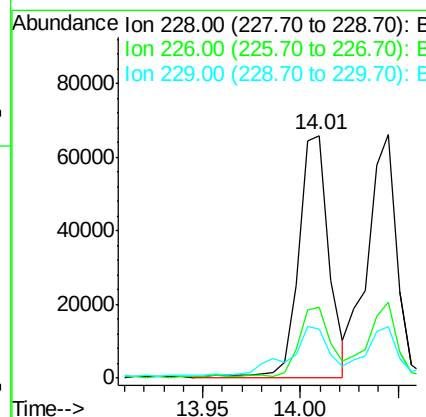
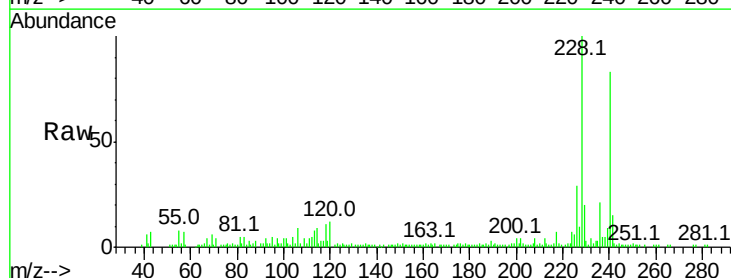
Instrument :
 BNA_F
 ClientSampleId :
 ENV-106-6(0-5)

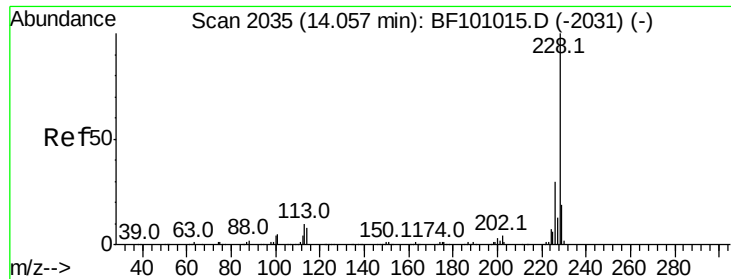
Tot Ion:244 Resp: 350284
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.9 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 8.830 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101066.D
 Acq: 1 Dec 2017 16:37

Tgt Ion:228 Resp: 71383
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.6 33.8
 229 20.3 15.8 23.6





#82

Chrysene

Concen: 9.160 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101066.D

Acq: 1 Dec 2017 16:37

Instrument :

BNA_F

ClientSampleId :

ENV-106-6(0-5)

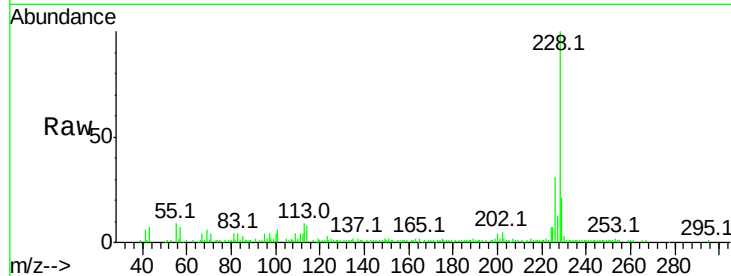
Tot Ion:228 Resp: 68778

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

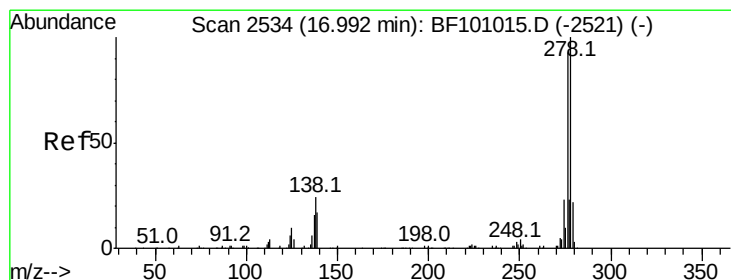
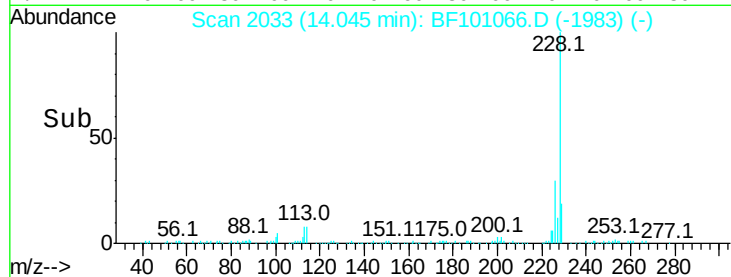
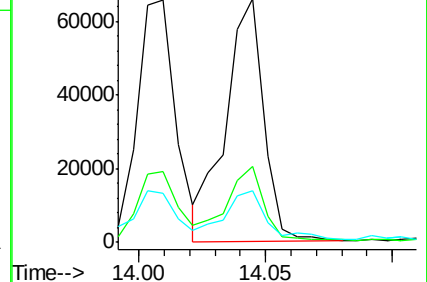
229 21.0 16.2 24.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.547 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.00 min

Lab File: BF101066.D

Acq: 1 Dec 2017 16:37

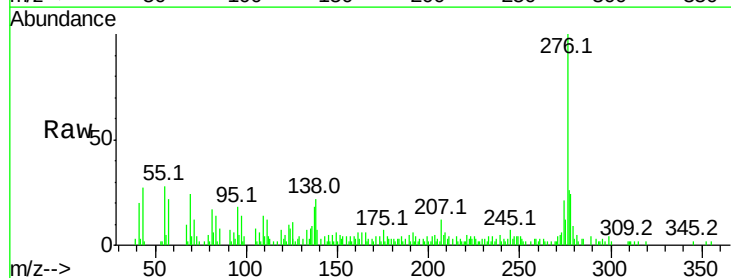
Tgt Ion:276 Resp: 30353

Ion Ratio Lower Upper

276 100

138 26.8 25.0 37.6

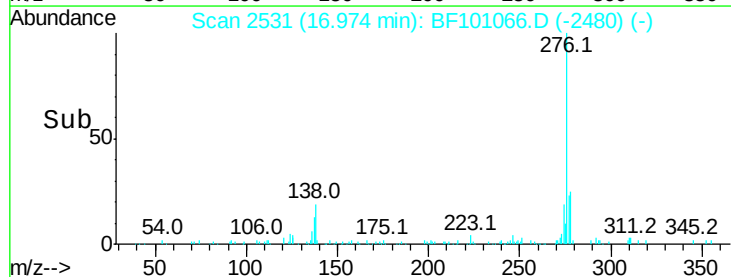
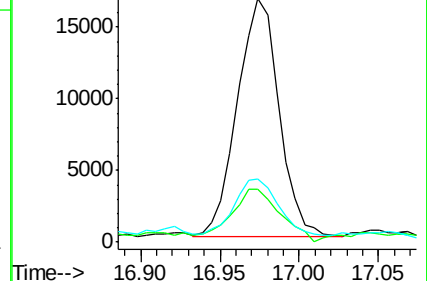
277 24.6 20.1 30.1

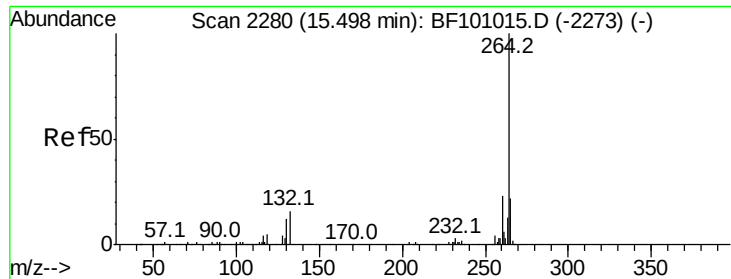


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

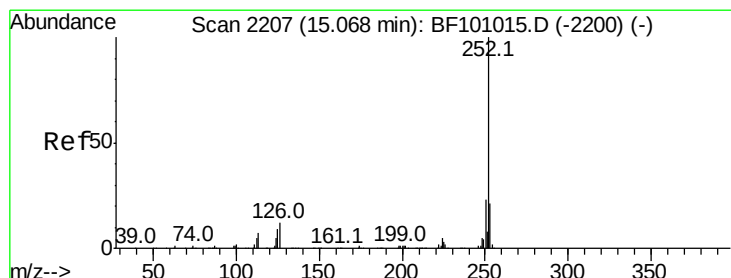
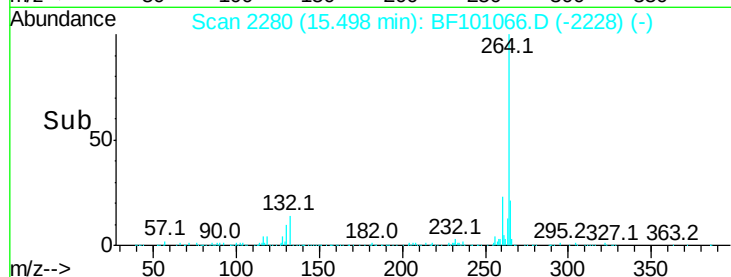
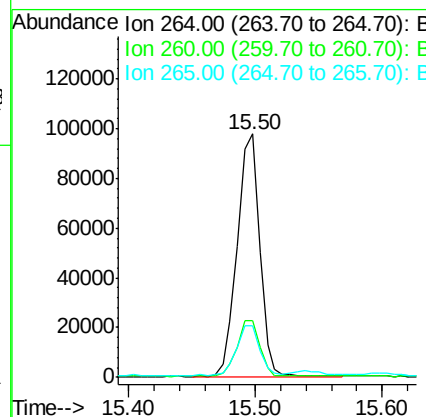
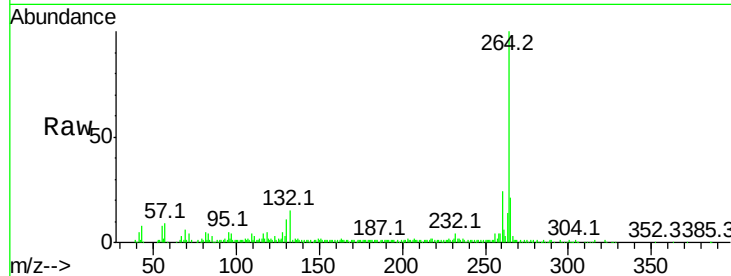




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101066.D
Acq: 1 Dec 2017 16:37

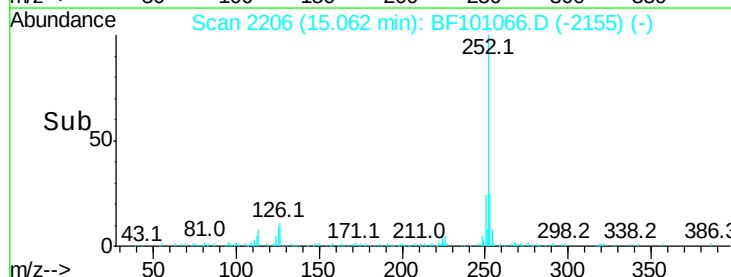
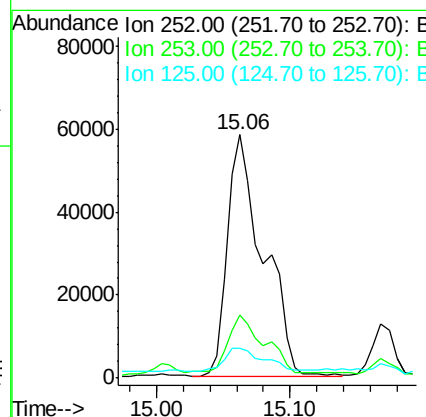
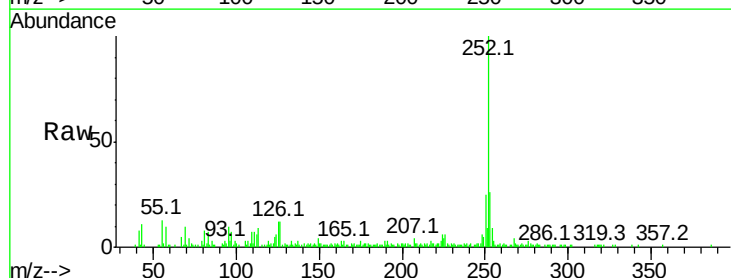
Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

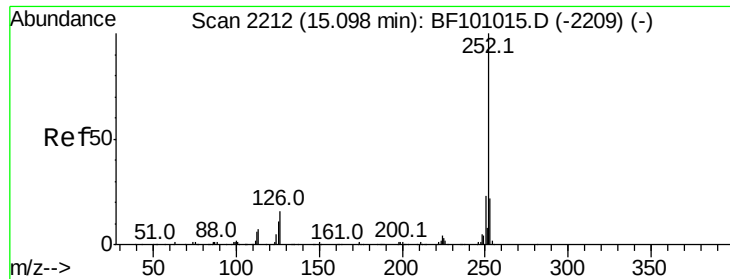
Tot Ion:264 Resp: 119115
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 15.245 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101066.D
Acq: 1 Dec 2017 16:37

Tgt Ion:252 Resp: 108769
Ion Ratio Lower Upper
252 100
253 25.9 17.0 25.6#
125 12.1 9.0 13.6

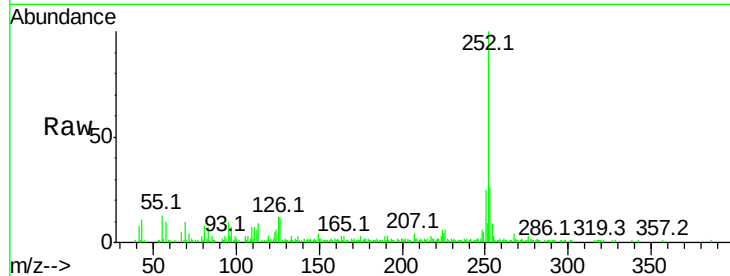




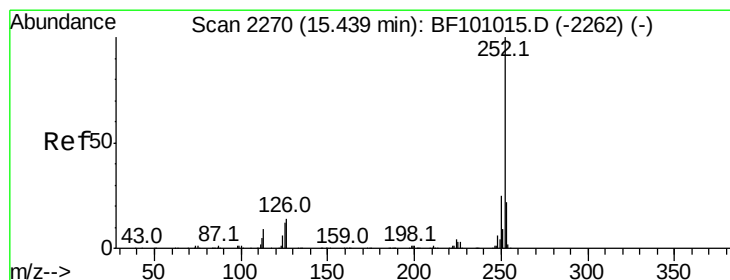
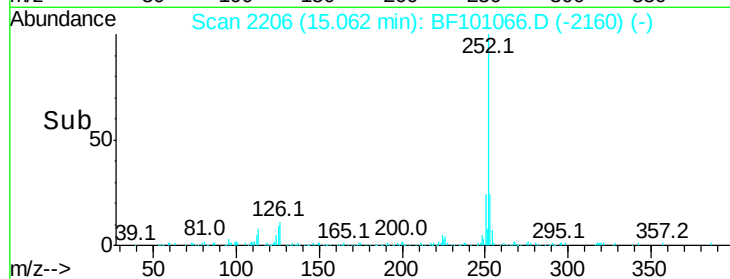
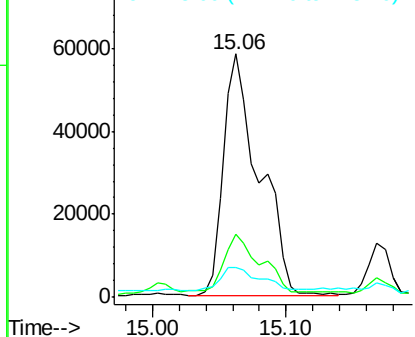
#88
Benzo(k)fluoranthene
Concen: 15.474 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF101066.D
Acq: 1 Dec 2017 16:37

Instrument :
BNA_F
ClientSampleId :
ENV-106-6(0-5)

Tot Ion:252	Resp:	108769
Ion Ratio	Lower	Upper
252	100	
253	25.9	17.9 26.9
125	12.1	10.2 15.2

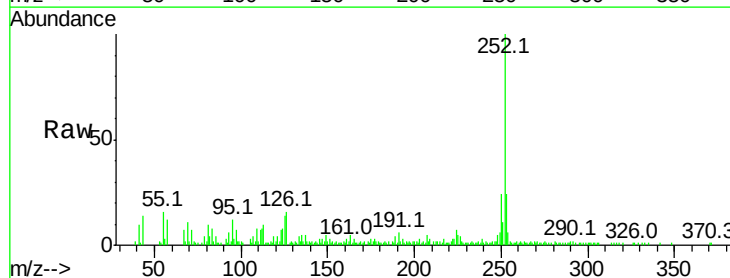


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 8.918 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101066.D
Acq: 1 Dec 2017 16:37

Tgt Ion:252	Resp:	57844
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.1 25.7
125	14.0	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

