

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF113017\
 Data File : BF101027.D
 Acq On : 30 Nov 2017 19:44
 Operator : SJ/JU
 Sample : I6610-17 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

Quant Time: Dec 05 01:34:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

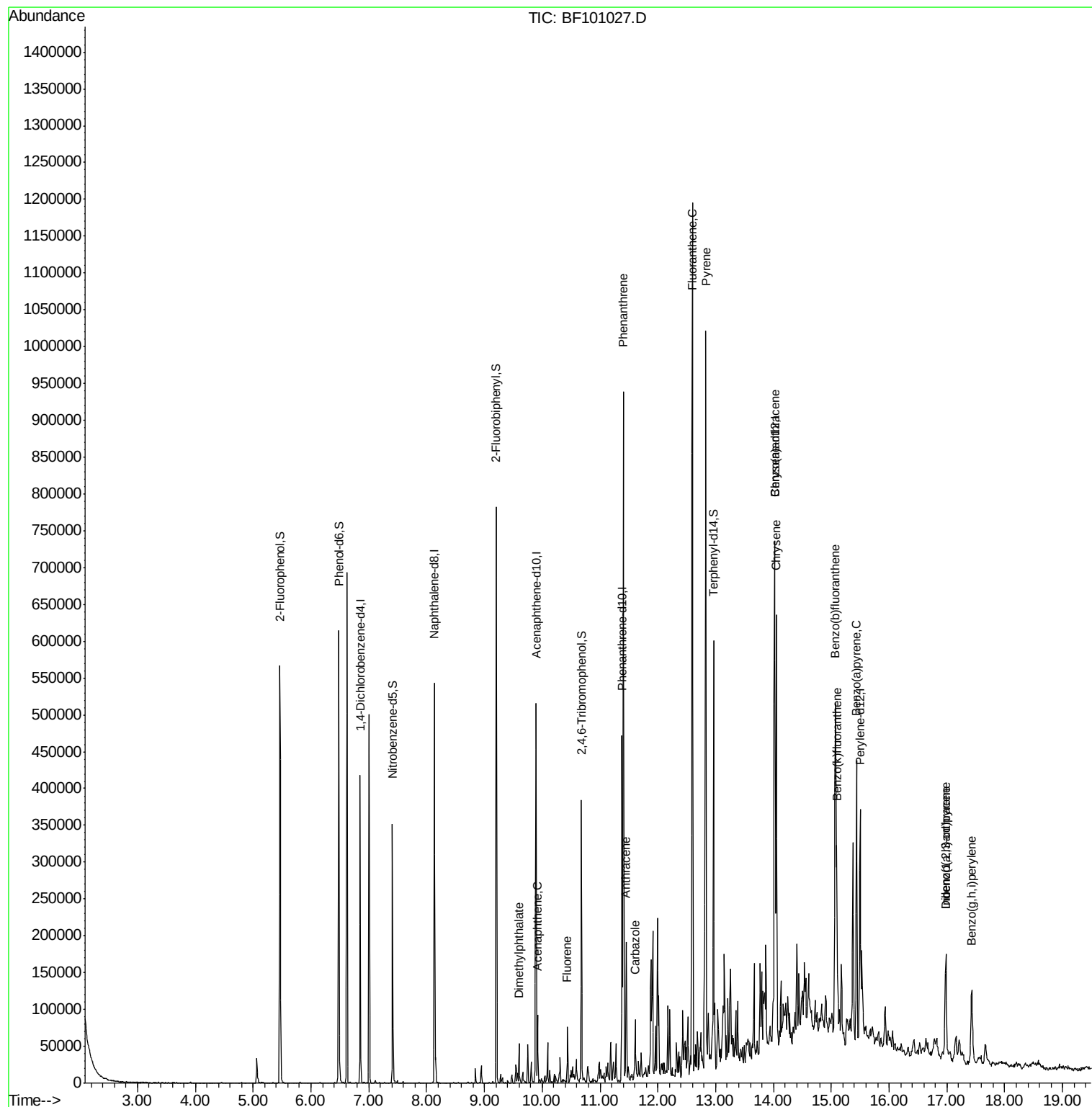
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	57460	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	222456	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	101287	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	166444	20.00	ng	0.00
75) Chrysene-d12	14.03	240	131773	20.00	ng	0.00
86) Perylene-d12	15.50	264	137589	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	153040	44.01	ng	0.00
7) Phenol-d6	6.48	99	185807	44.01	ng	0.00
23) Nitrobenzene-d5	7.41	82	114603	30.73	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	46935	38.57	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	244344	33.01	ng	0.00
78) Terphenyl-d14	12.96	244	185226	30.75	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.60	163	19499	2.387	ng	99
51) Acenaphthene	9.92	154	17724	2.733	ng	99
57) Fluorene	10.43	166	21545	2.836	ng	99
70) Phenanthrene	11.40	178	336896	36.755	ng	97
71) Anthracene	11.46	178	75013	8.086	ng	99
72) Carbazole	11.61	167	29492	3.479	ng	99
74) Fluoranthene	12.60	202	468263	46.087	ng	95
77) Pyrene	12.83	202	419068	46.088	ng	99
80) Benzo(a)anthracene	14.02	228	221749	26.653	ng	97
82) Chrysene	14.05	228	215835	27.933	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	90312m	13.147	ng	
87) Benzo(b)fluoranthene	15.07	252	258871m	31.412	ng	
88) Benzo(k)fluoranthene	15.09	252	83180m	10.245	ng	
89) Benzo(a)pyrene	15.44	252	177482	23.689	ng	97
90) Dibenzo(a,h)anthracene	16.99	278	26742m	4.049	ng	
91) Benzo(g,h,i)perylene	17.43	276	83153	13.358	ng	# 91

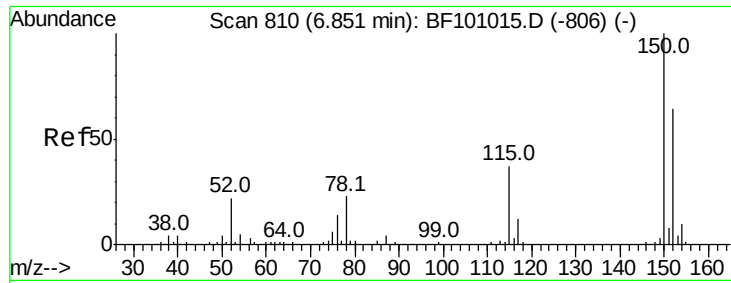
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF113017\
Data File : BF101027.D
Acq On : 30 Nov 2017 19:44
Operator : SJ/JU
Sample : I6610-17 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Quant Time: Dec 05 01:34:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 04 13:07:49 2017
Response via : Initial Calibration



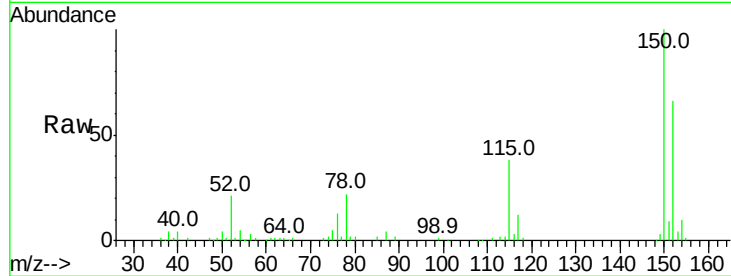


#1

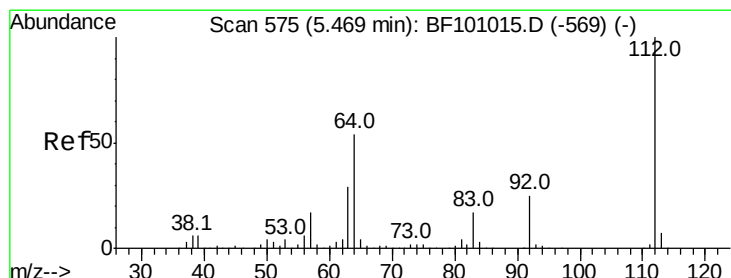
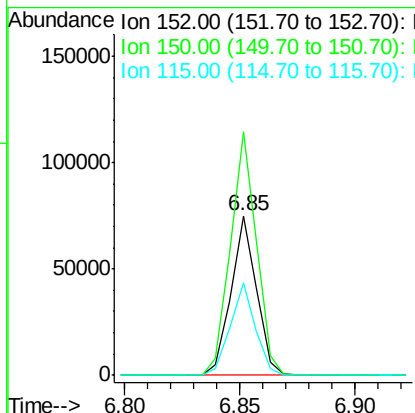
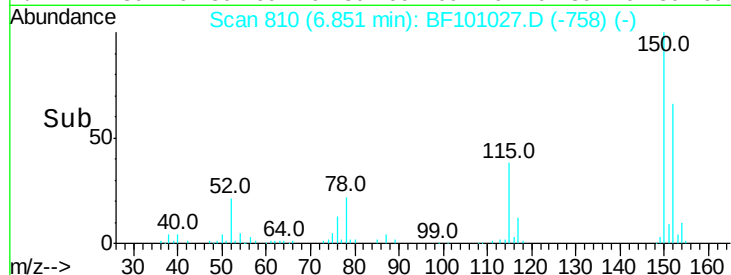
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.01 min
 Lab File: BF101027.D
 Acq: 30 Nov 2017 19:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

Tot Ion:152 Resp: 57460
 Ion Ratio Lower Upper
 152 100
 150 152.6 124.6 186.8
 115 57.9 50.1 75.1



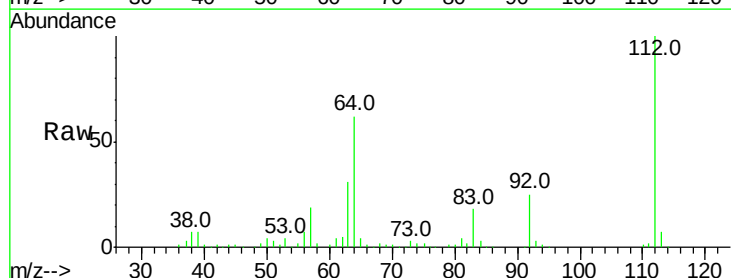
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



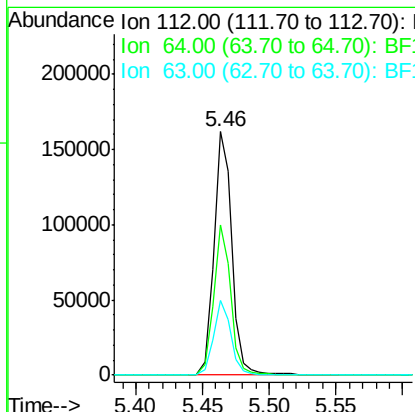
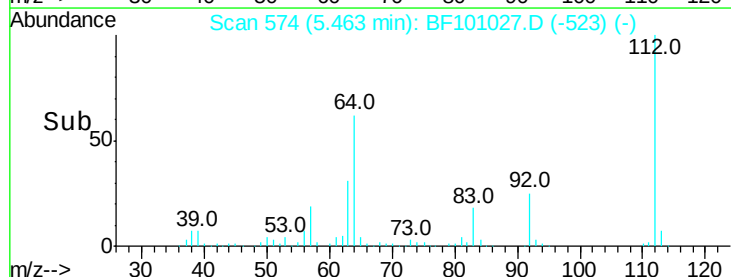
#5

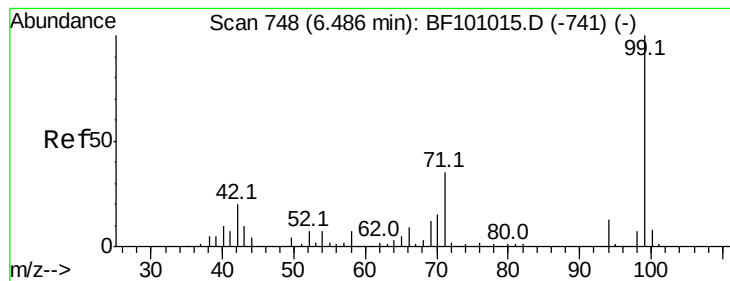
2-Fluorophenol
 Concen: 44.011 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF101027.D
 Acq: 30 Nov 2017 19:44

Tgt Ion:112 Resp: 153040
 Ion Ratio Lower Upper
 112 100
 64 61.6 47.9 71.9
 63 30.9 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: 44.012 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)-20171127

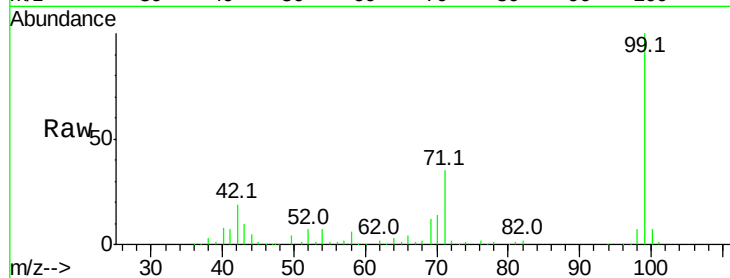
Tot Ion: 99 Resp: 185807

Ion Ratio Lower Upper

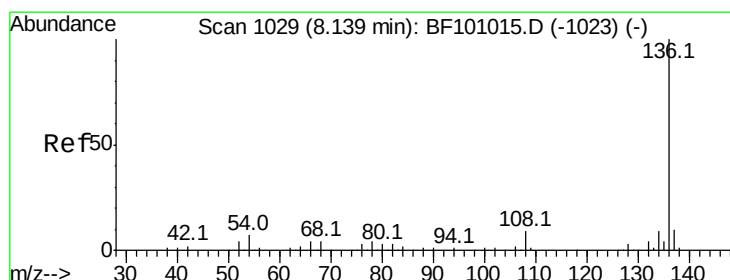
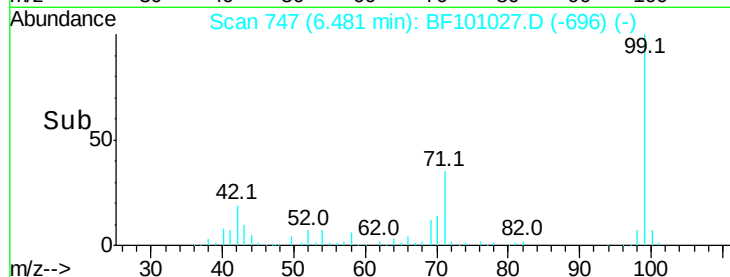
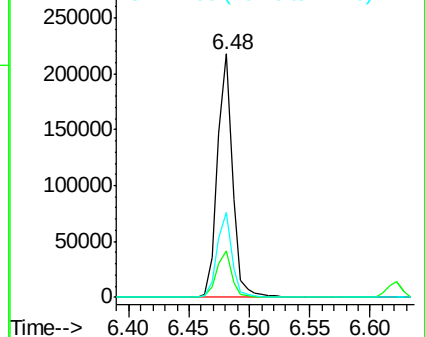
99 100

42 19.3 14.5 21.7

71 34.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Tgt Ion: 136 Resp: 222456

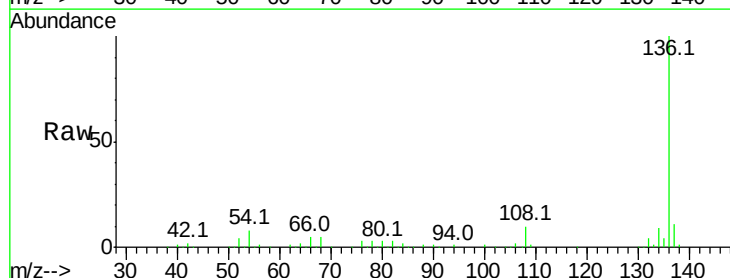
Ion Ratio Lower Upper

136 100

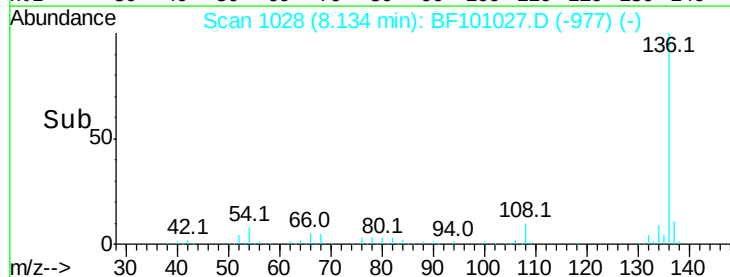
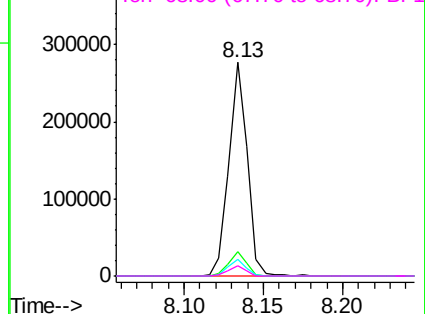
137 11.4 8.9 13.3

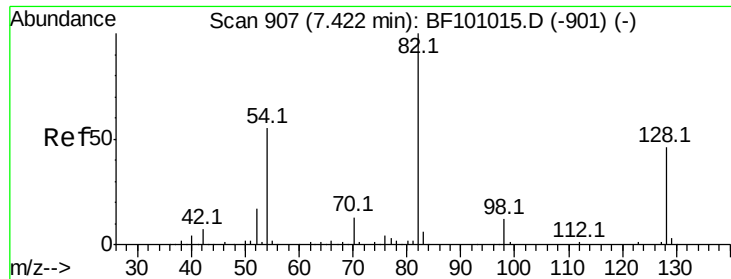
54 7.7 6.6 9.8

68 5.0 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

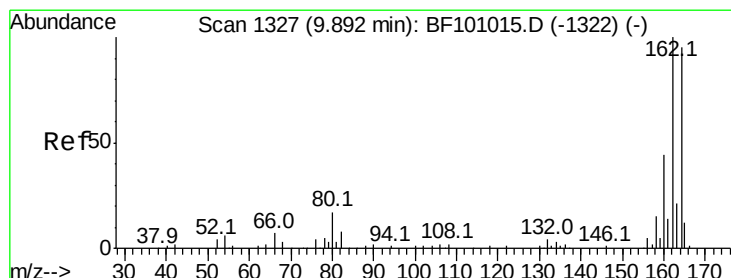
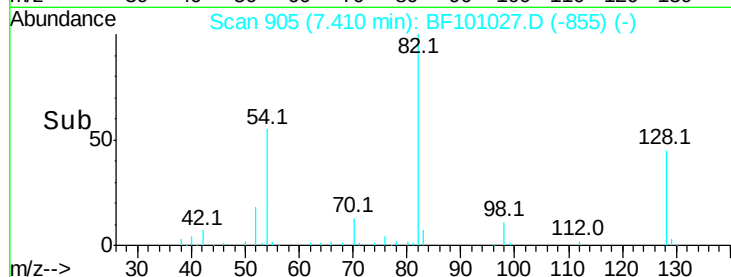
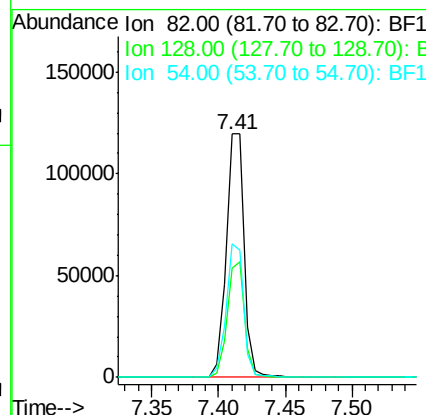
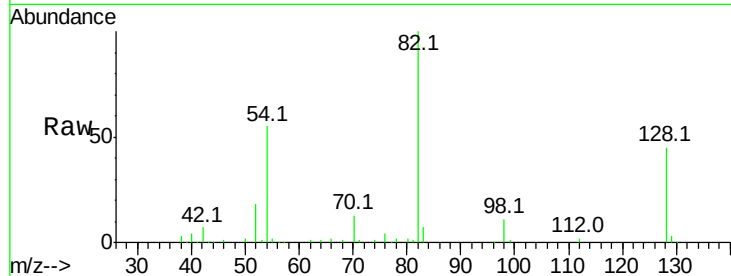




#23
 Nitrobenzene-d5
 Concen: 30.732 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101027.D
 Acq: 30 Nov 2017 19:44

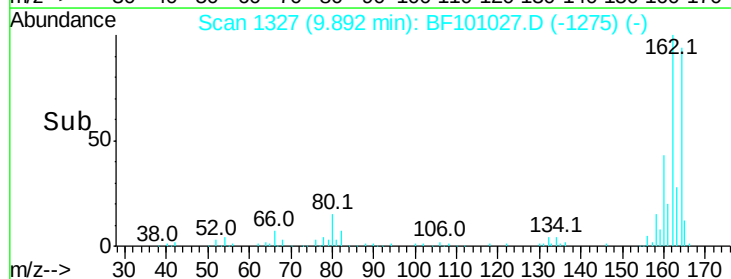
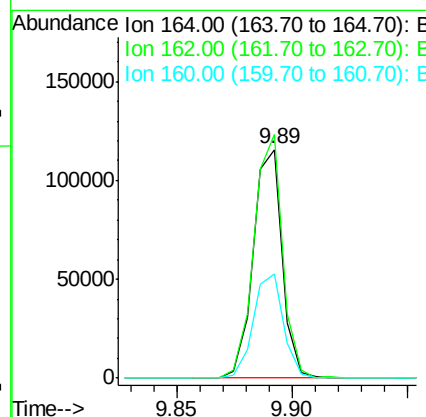
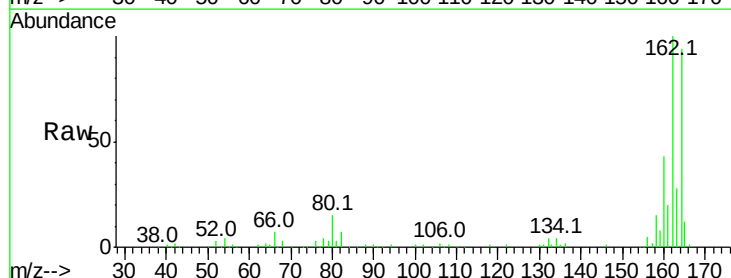
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

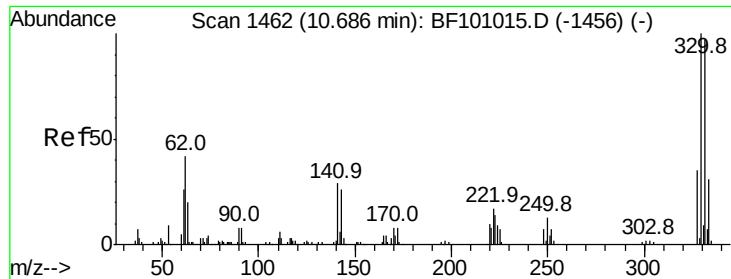
Tot Ion	82	Resp	114603
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	55.1	41.4	62.2



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.01 min
 Lab File: BF101027.D
 Acq: 30 Nov 2017 19:44

Tgt Ion	164	Resp	101287
Ion Ratio	100		
Lower	86.1		
Upper	129.1		
162	106.6	38.3	57.5
160	45.4		

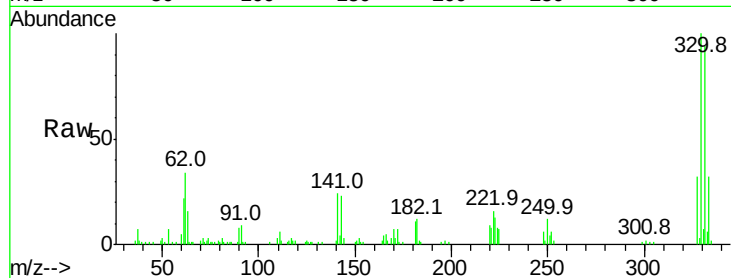




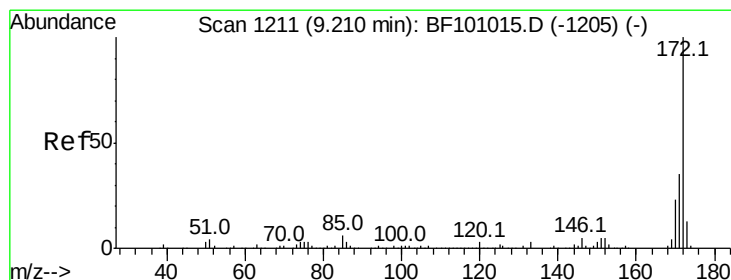
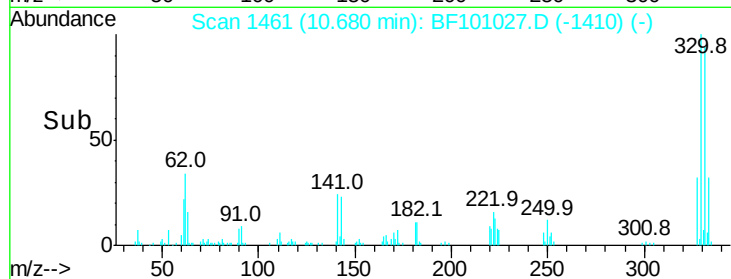
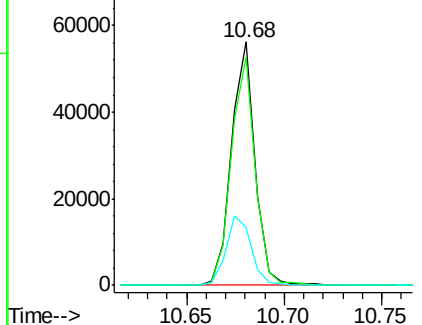
#41
 2,4,6-Tribromophenol
 Concen: 38.574 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF101027.D
 Acq: 30 Nov 2017 19:44

Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.0	115.6
141	30.9	29.9	44.9

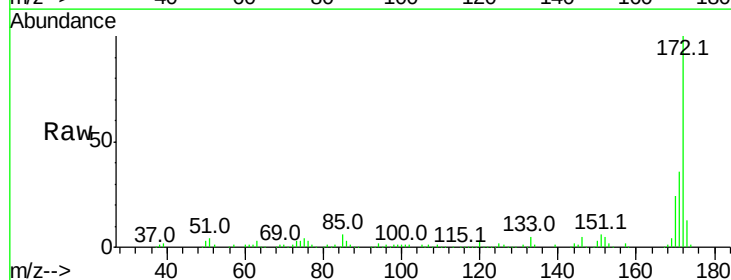


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

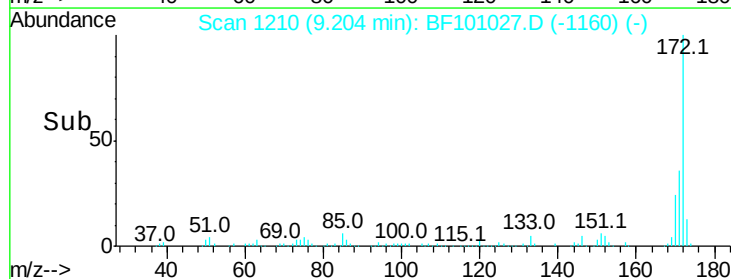
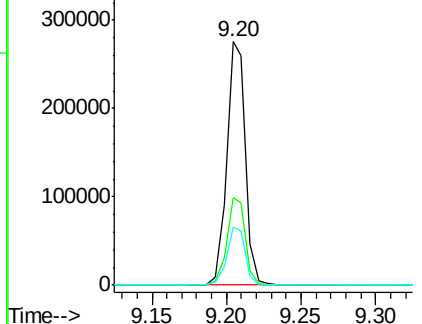


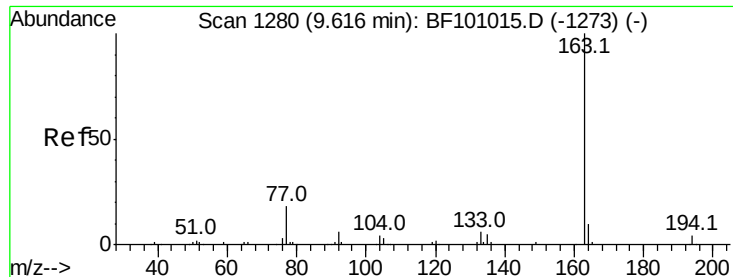
#44
 2-Fluorobiphenyl
 Concen: 33.006 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF101027.D
 Acq: 30 Nov 2017 19:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.6	19.6	29.4



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

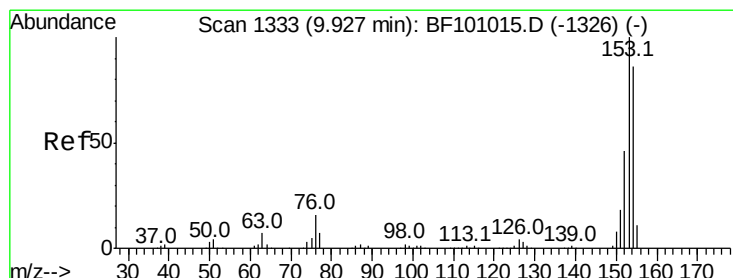
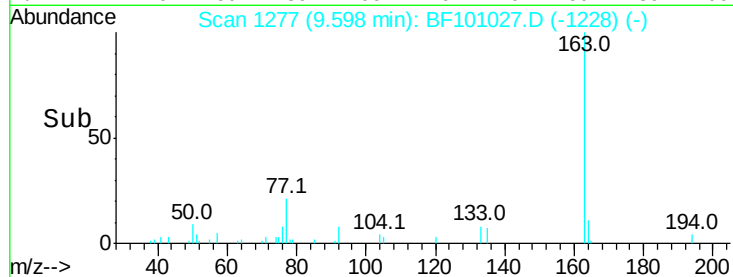
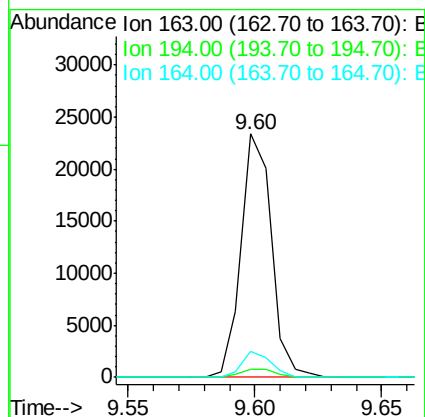
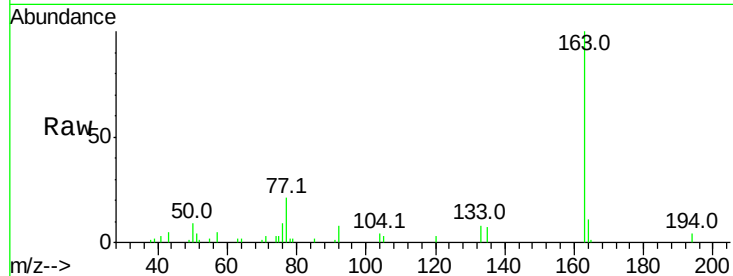




#49
Dimethylphthalate
Concen: 2.387 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101027.D
Acq: 30 Nov 2017 19:44

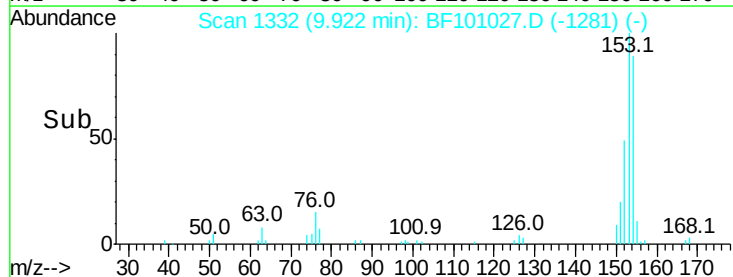
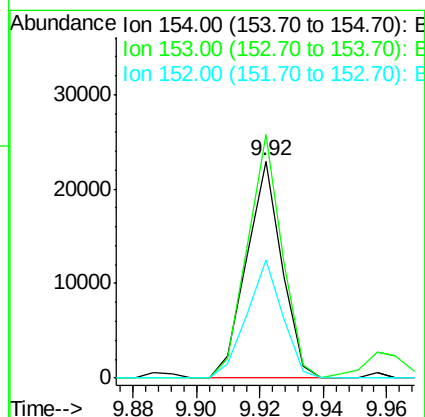
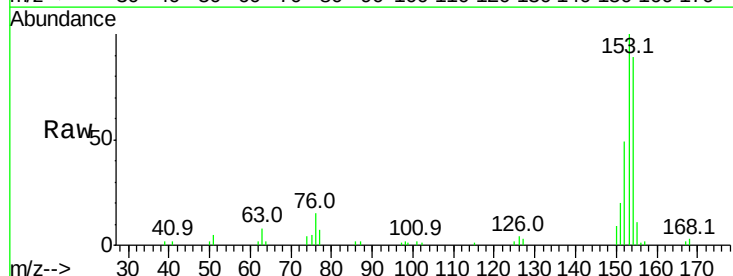
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

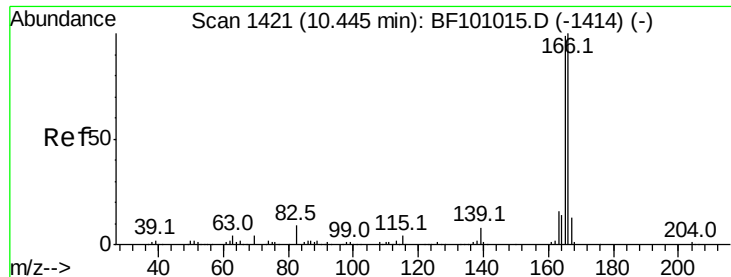
Tot Ion:163 Resp: 19499
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.5 8.2 12.2



#51
Acenaphthene
Concen: 2.733 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF101027.D
Acq: 30 Nov 2017 19:44

Tgt Ion:154 Resp: 17724
Ion Ratio Lower Upper
154 100
153 112.1 91.2 136.8
152 54.4 43.8 65.8

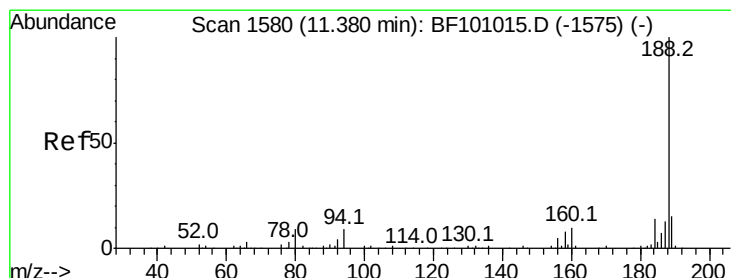
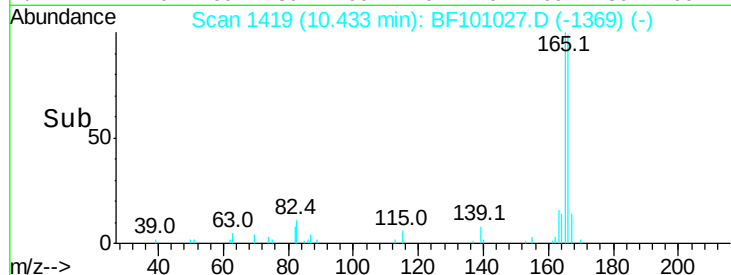
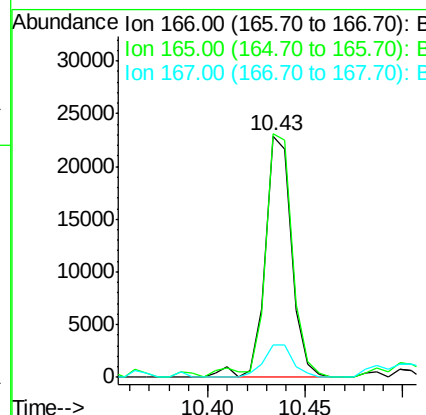
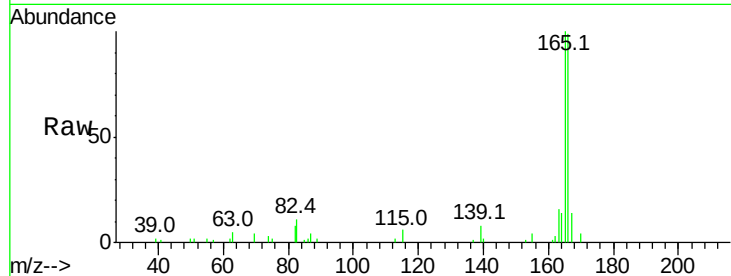




#57
Fluorene
 Concen: 2.836 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF101027.D
 Acq: 30 Nov 2017 19:44

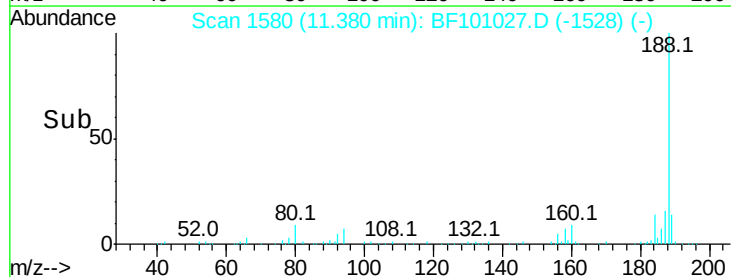
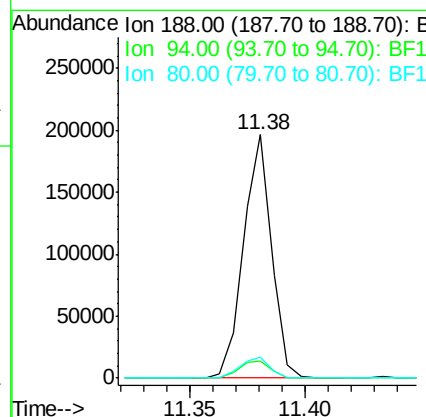
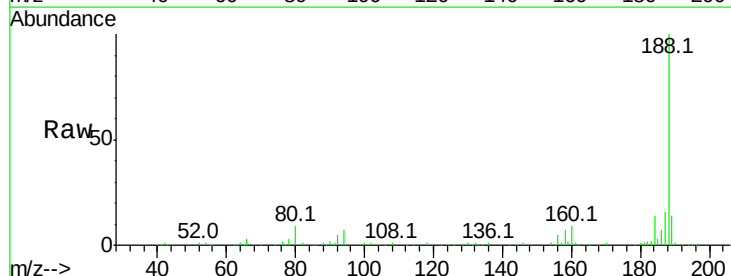
Instrument :
 BNA_F
 ClientSampleId :
 SB-12(0-2)-20171127

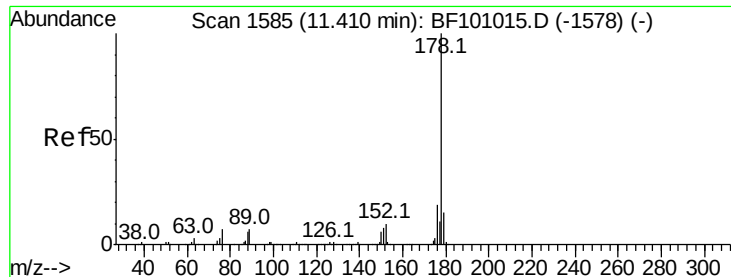
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	13.7	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: BF101027.D
 Acq: 30 Nov 2017 19:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.2	8.5	12.7#
80	8.6	9.2	13.8#





#70

Phenanthrene

Concen: 36.755 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)-20171127

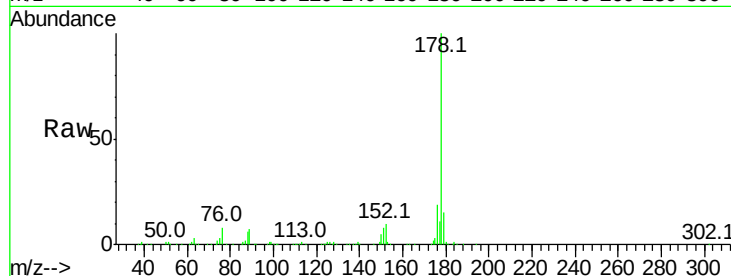
Tot Ion:178 Resp: 336896

Ion Ratio Lower Upper

178 100

176 18.8 15.8 23.8

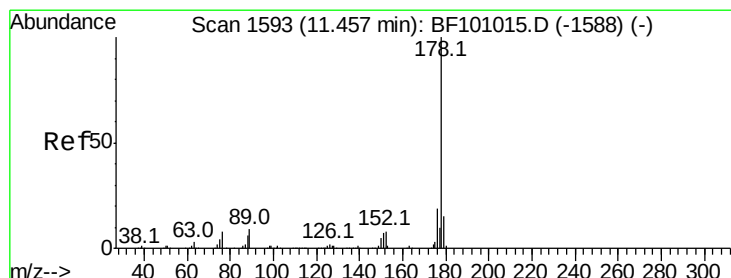
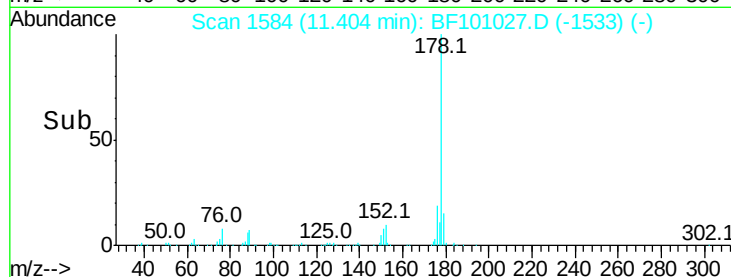
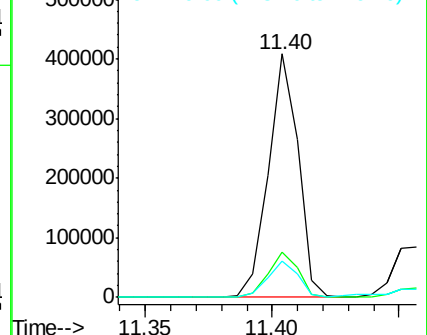
179 15.1 13.0 19.6



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: 8.086 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

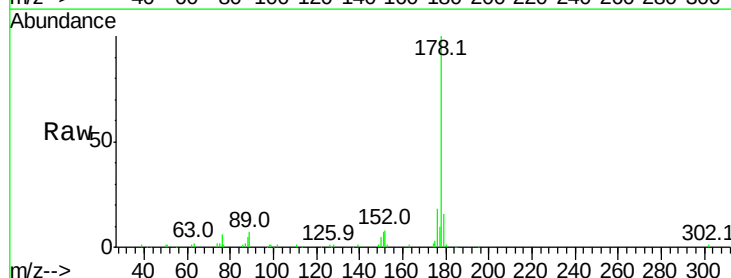
Tgt Ion:178 Resp: 75013

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

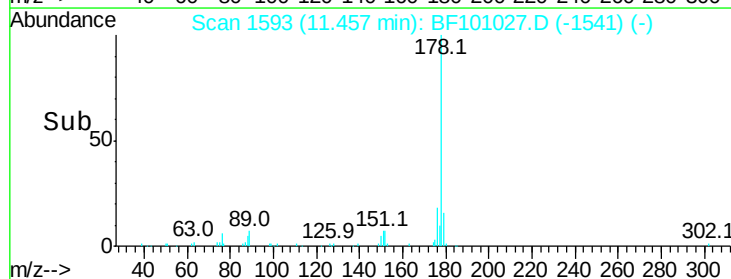
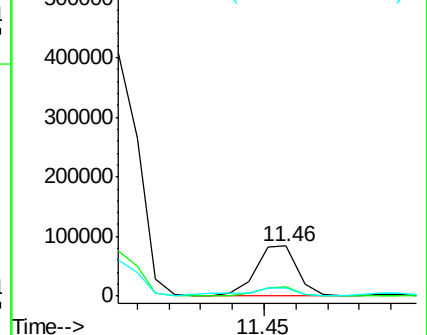
179 15.6 12.6 19.0

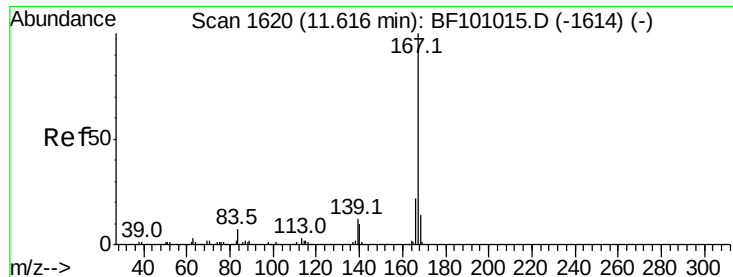


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.479 ng

RT: 11.61 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)-20171127

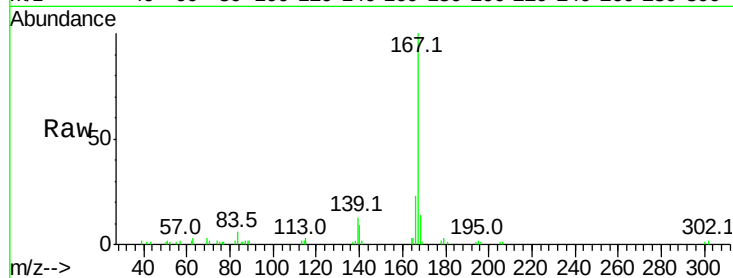
Tot Ion:167 Resp: 29492

Ion Ratio Lower Upper

167 100

166 22.8 17.6 26.4

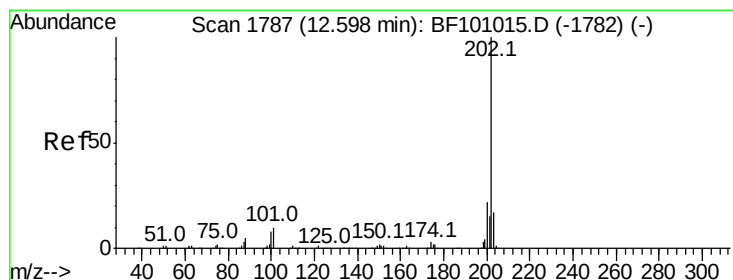
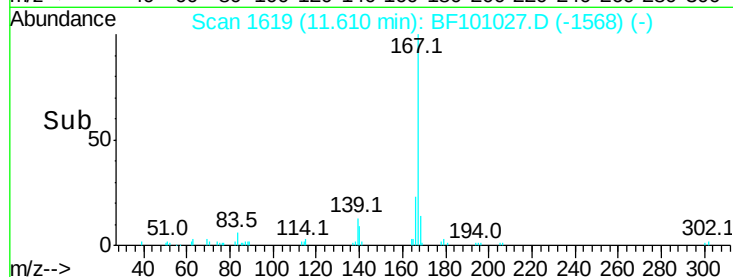
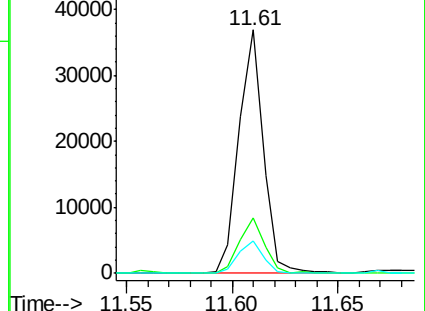
139 13.3 10.9 16.3



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: 46.087 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

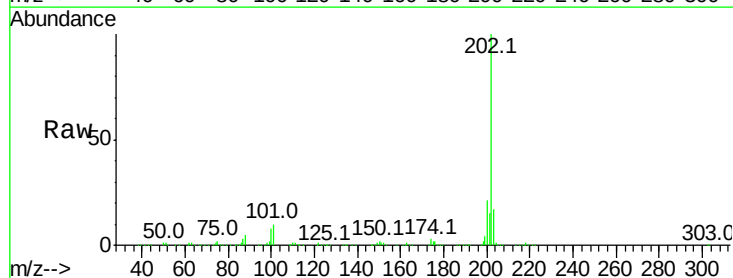
Tgt Ion:202 Resp: 468263

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.1

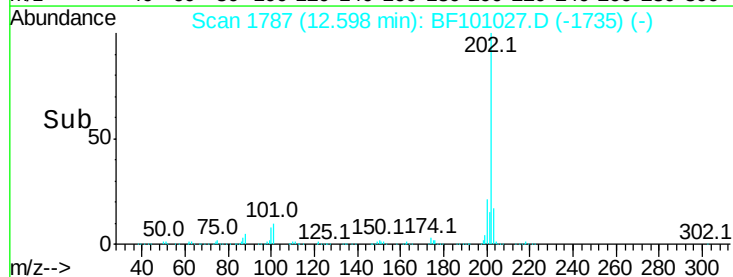
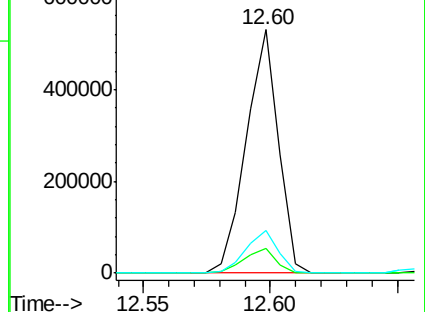
203 17.5 0.0 38.1

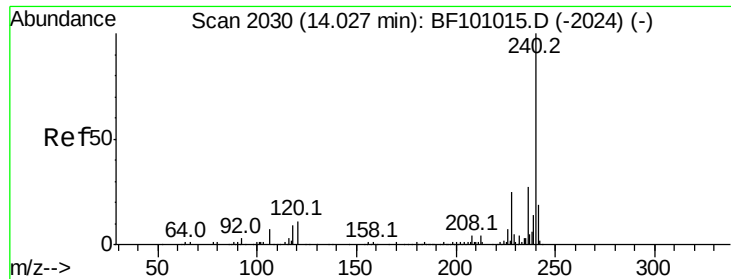


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)-20171127

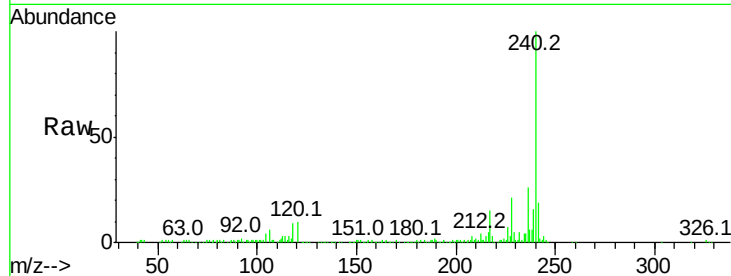
Tot Ion:240 Resp: 131773

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

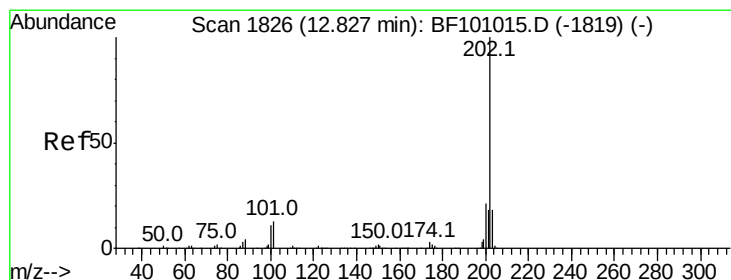
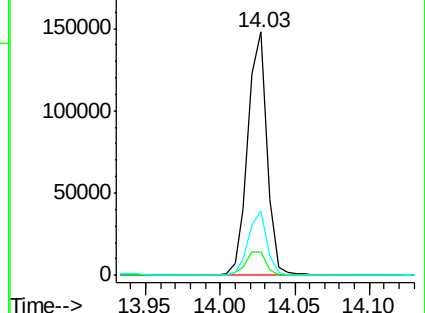
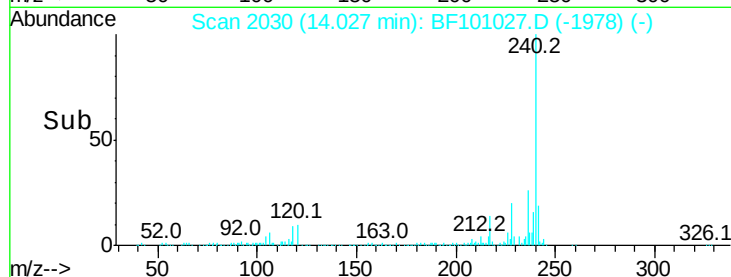
236 26.2 20.7 31.1



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: 46.088 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

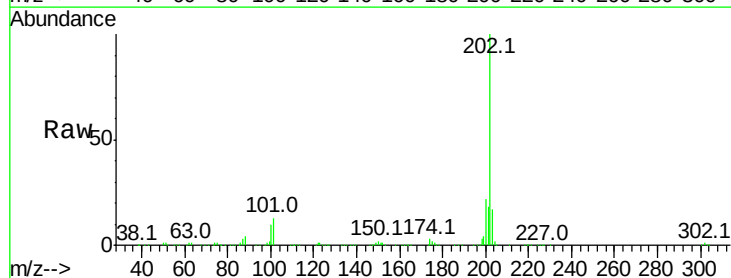
Tgt Ion:202 Resp: 419068

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

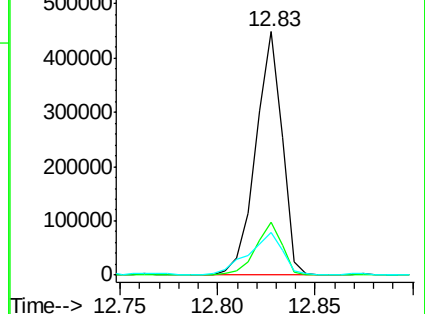
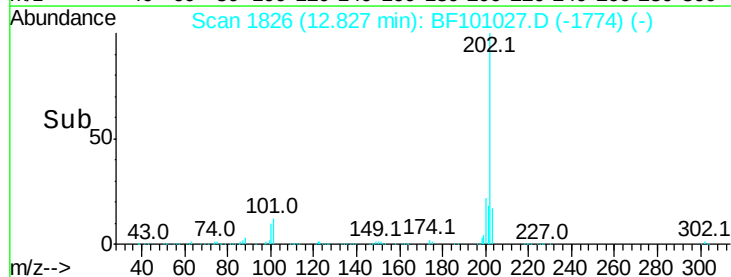
203 17.5 14.3 21.5

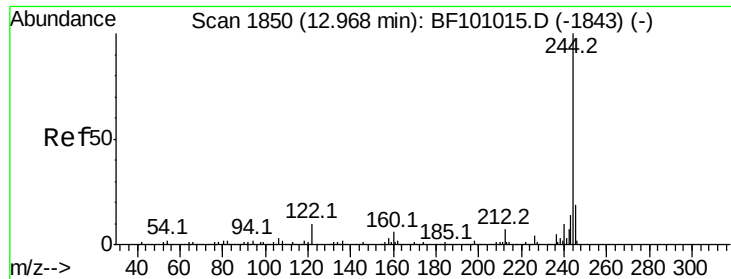


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 30.745 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)-20171127

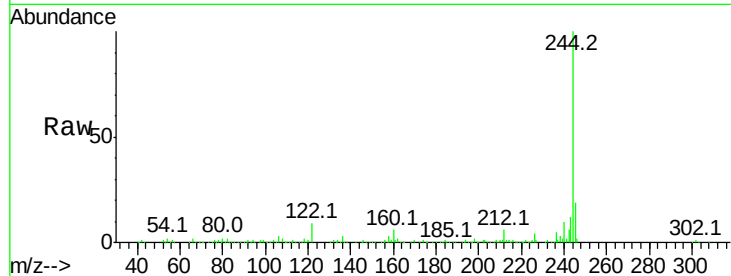
Tot Ion:244 Resp: 185226

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

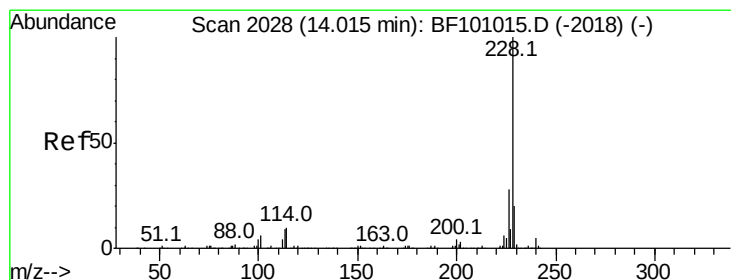
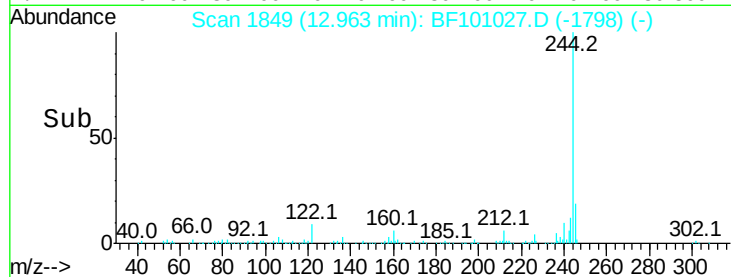
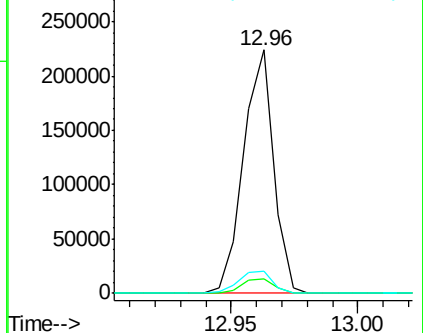
122 8.9 11.0 16.4#



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: 26.653 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

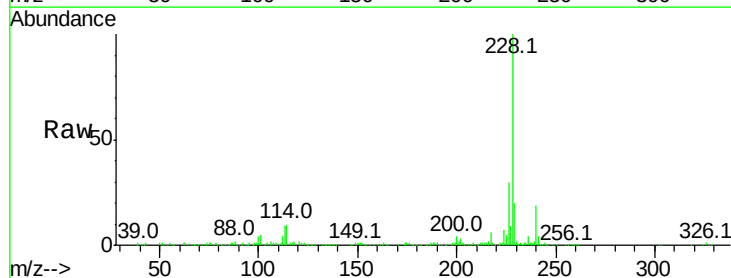
Tgt Ion:228 Resp: 221749

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

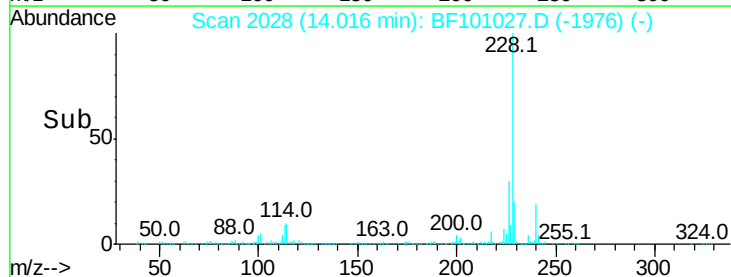
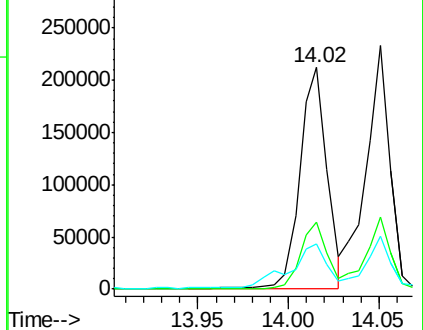
229 20.4 15.8 23.6

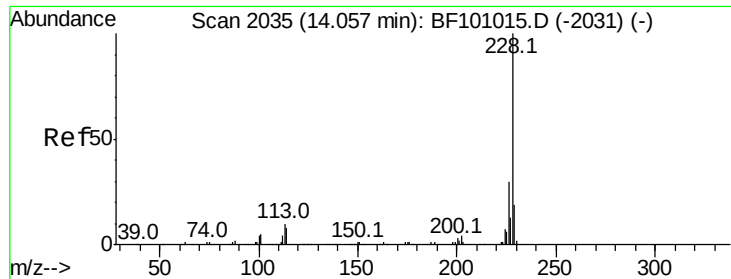


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

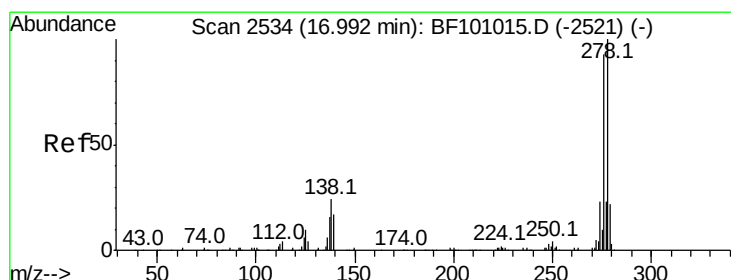
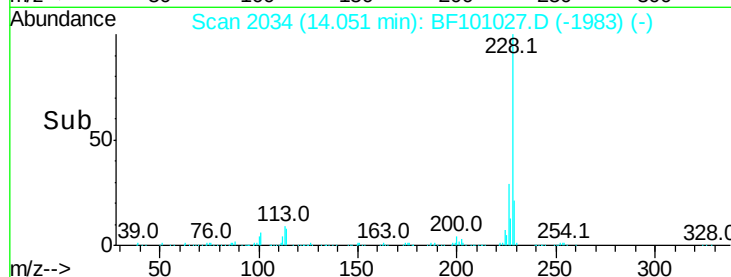
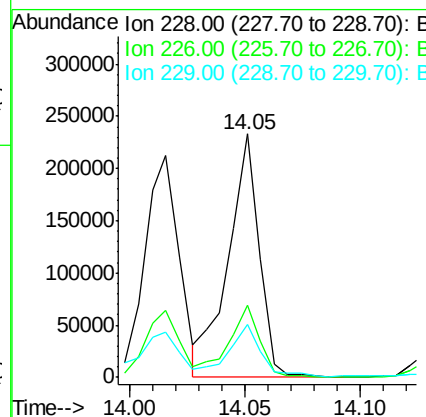
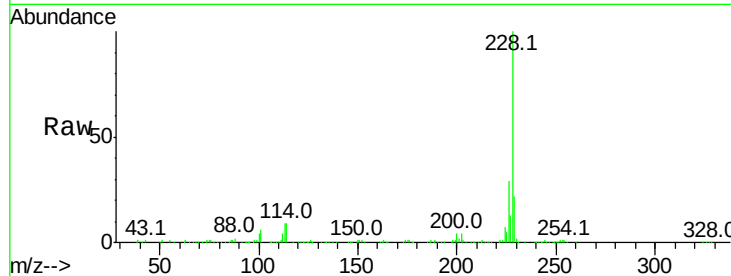




#82
Chrysene
Concen: 27.933 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF101027.D
Acq: 30 Nov 2017 19:44

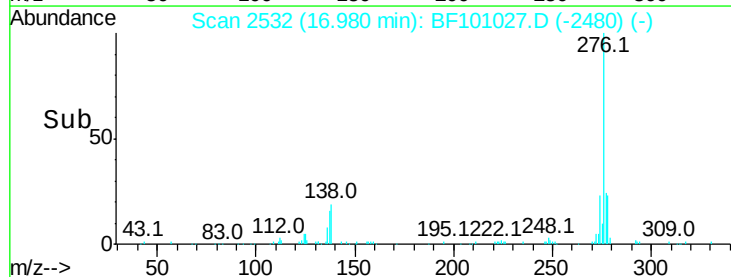
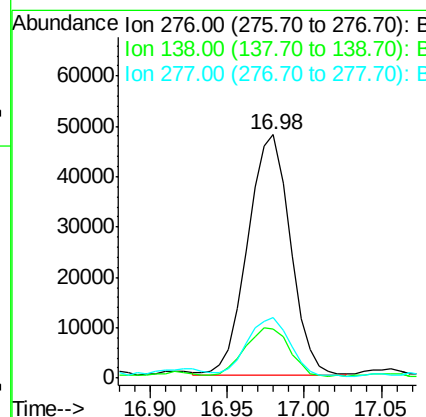
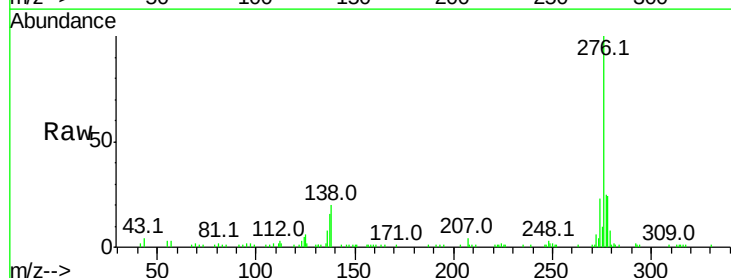
Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

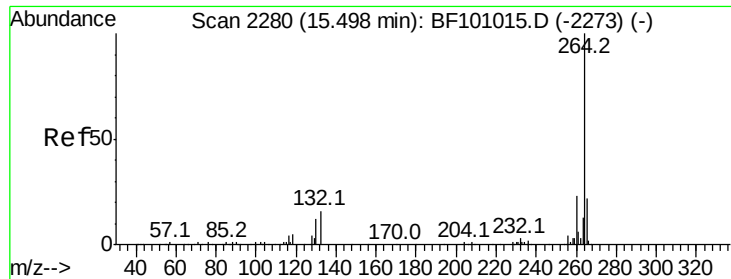
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	21.6	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 13.147 ng m
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF101027.D
Acq: 30 Nov 2017 19:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.0	25.0	37.6#
277	5.4	20.1	30.1#

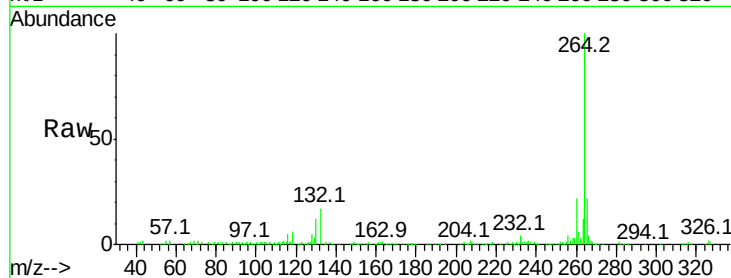




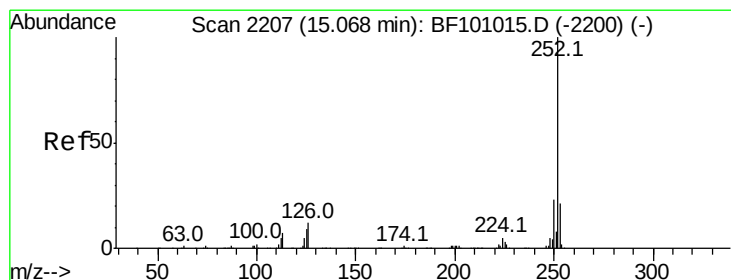
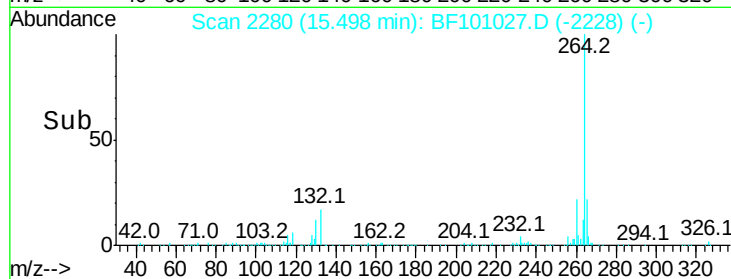
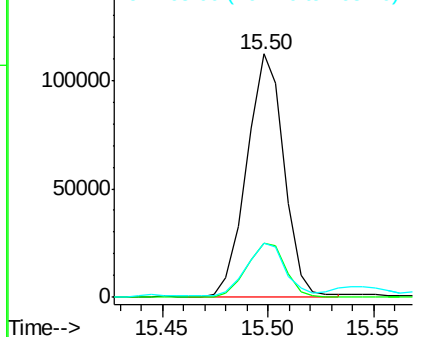
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101027.D
Acq: 30 Nov 2017 19:44

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	22.3	17.5	26.3

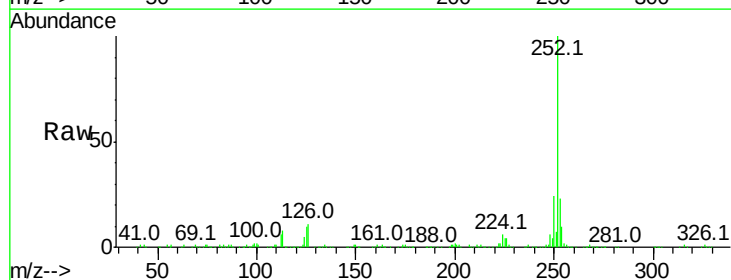


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

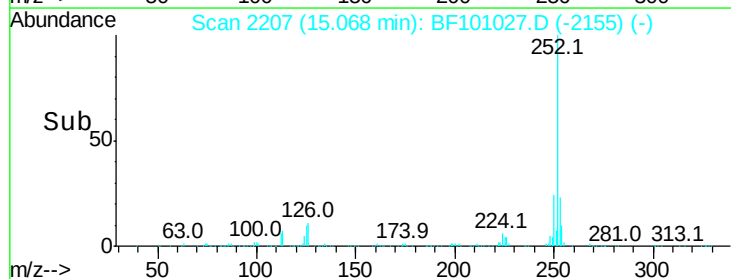
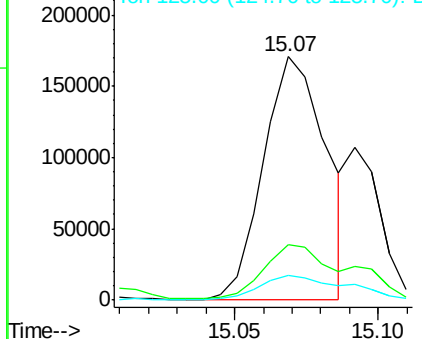


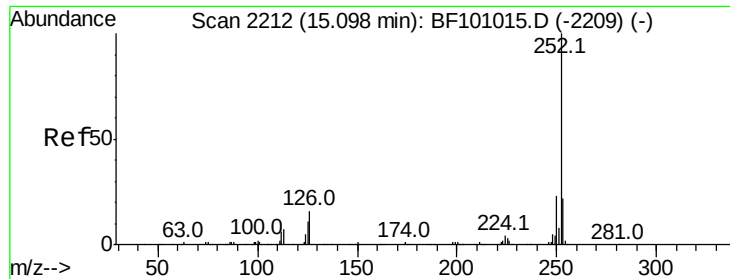
#87
Benzo(b)fluoranthene
Concen: 31.412 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101027.D
Acq: 30 Nov 2017 19:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.1	9.0	13.6



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

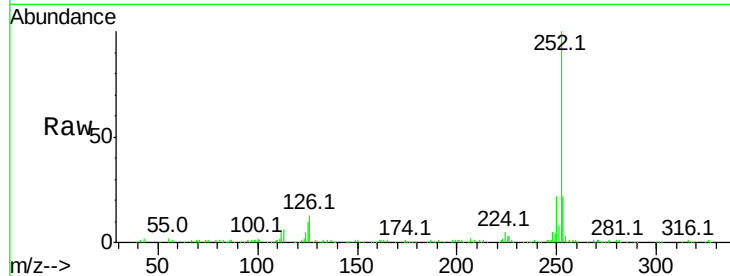




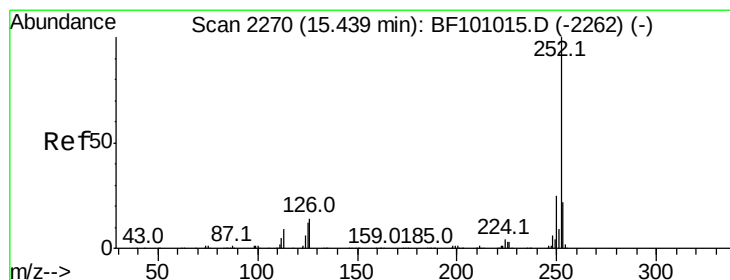
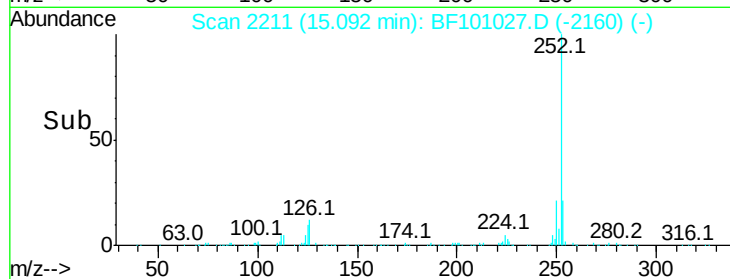
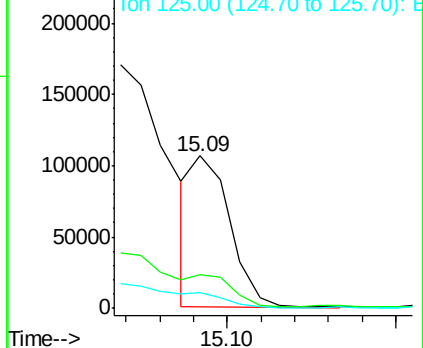
#88
Benzo(k)fluoranthene
Concen: 10.245 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF101027.D
Acq: 30 Nov 2017 19:44

Instrument :
BNA_F
ClientSampleId :
SB-12(0-2)-20171127

Tot Ion:252 Resp: 83180
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 10.2 10.2 15.2

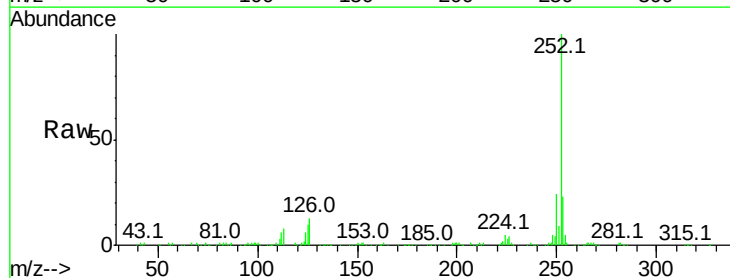


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

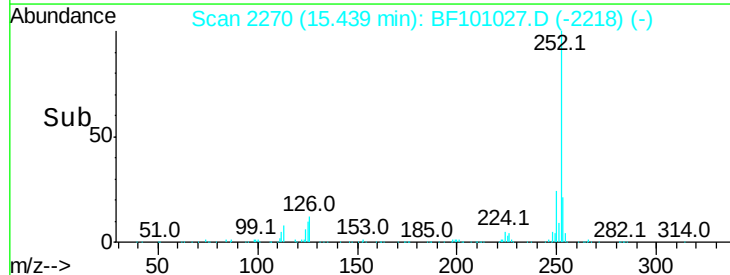
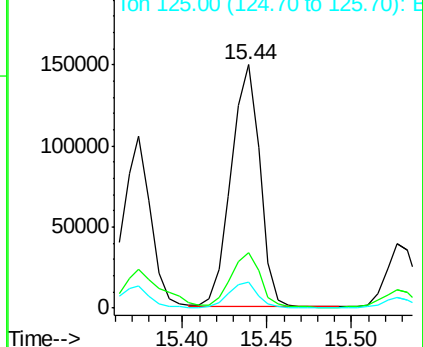


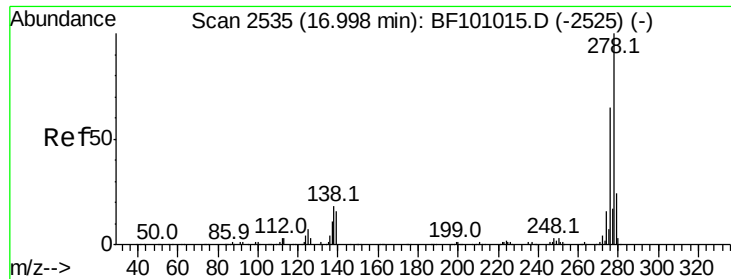
#89
Benzo(a)pyrene
Concen: 23.689 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101027.D
Acq: 30 Nov 2017 19:44

Tgt Ion:252 Resp: 177482
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 10.4 9.8 14.6



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





#90

Dibenzo(a,h)anthracene

Concen: 4.049 ng/mL

RT: 16.99 min Scan# 2533

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

Instrument :

BNA_F

ClientSampleId :

SB-12(0-2)-20171127

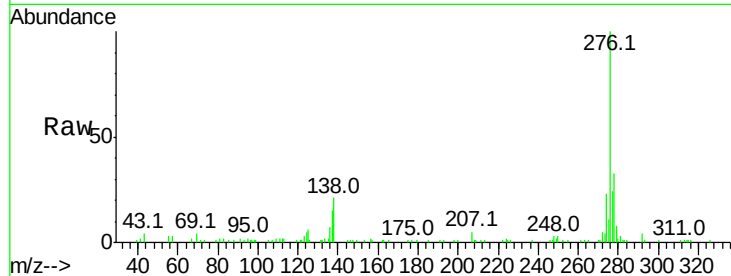
Tot Ion:278 Resp: 26742

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

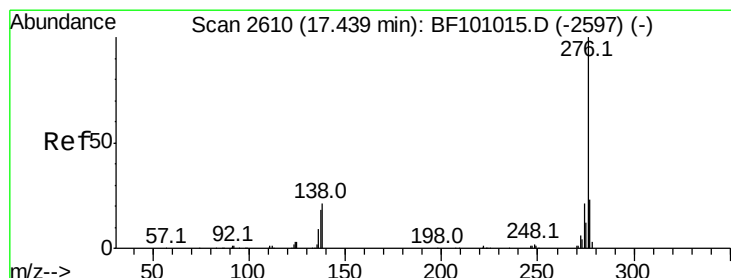
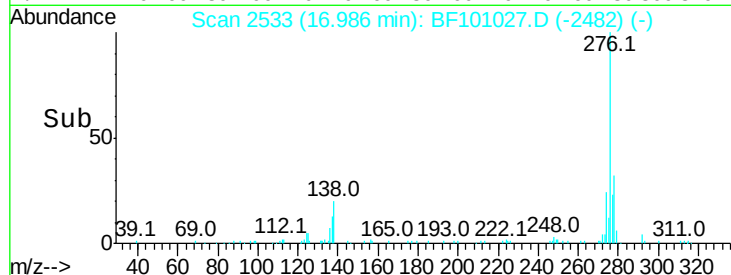
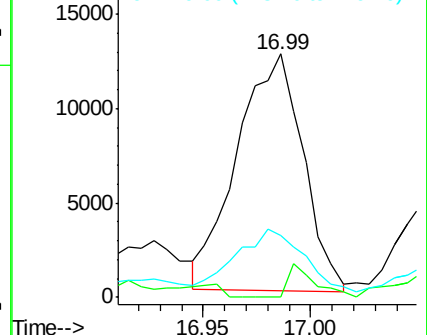
279 25.4 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 13.358 ng/mL

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF101027.D

Acq: 30 Nov 2017 19:44

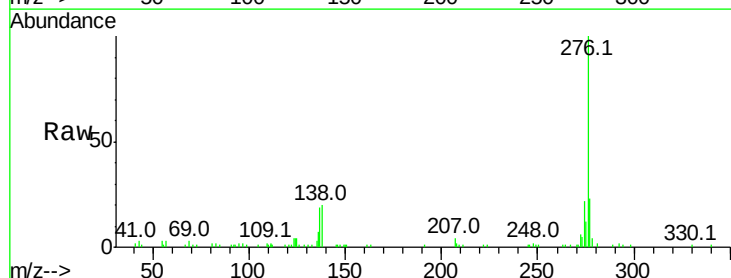
Tgt Ion:276 Resp: 83153

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 20.1 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

