

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101245.D
 Acq On : 8 Dec 2017 19:31
 Operator : SJ/JU
 Sample : I6684-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-120617

Quant Time: Dec 08 22:14:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

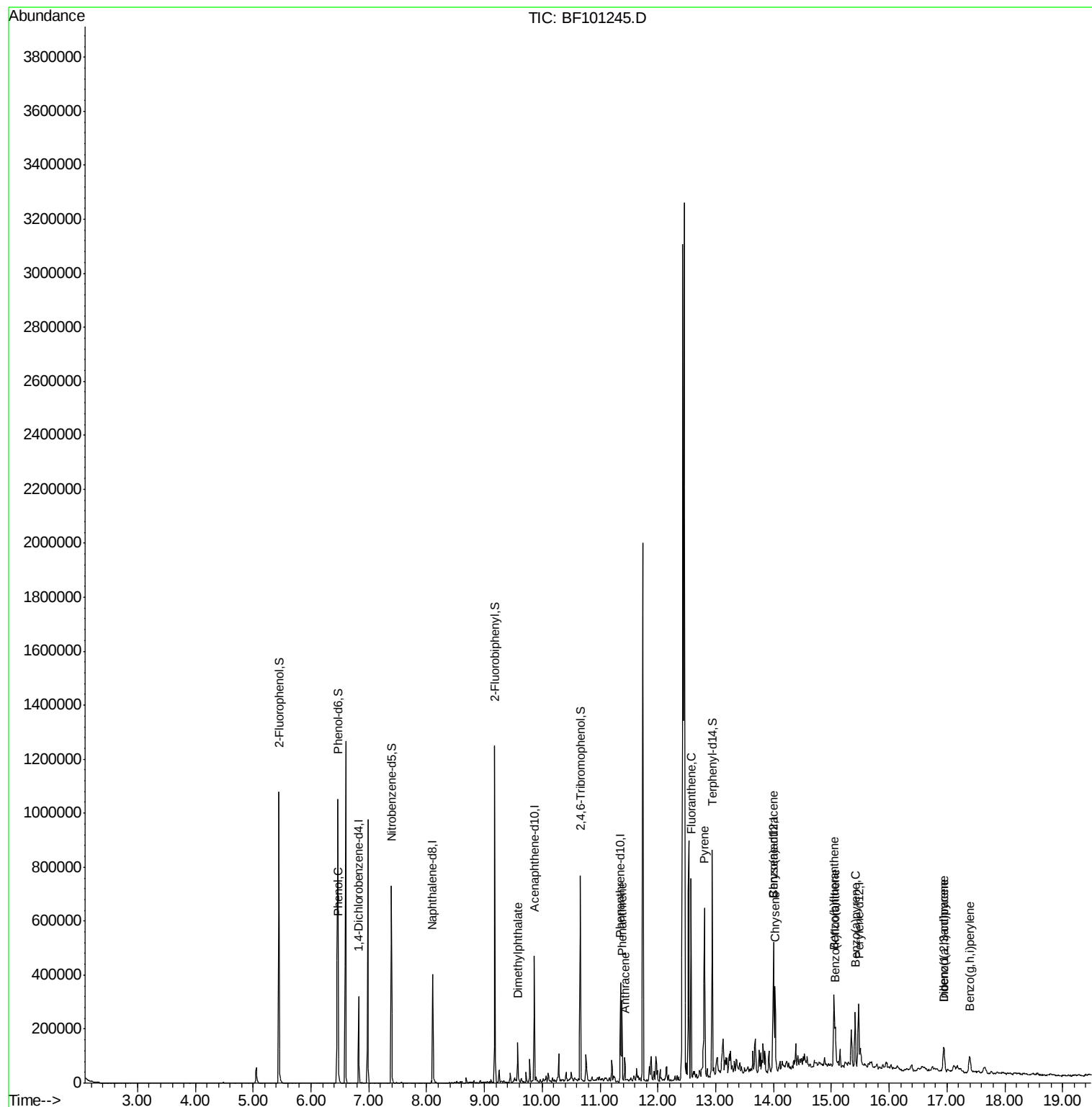
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	48482	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	190677	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	82511	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	139101	20.00	ng	0.00
75) Chrysene-d12	14.00	240	101952	20.00	ng	0.00
86) Perylene-d12	15.47	264	107389	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	303975	103.61	ng	0.00
7) Phenol-d6	6.46	99	363259	101.98	ng	0.00
23) Nitrobenzene-d5	7.39	82	219491	68.67	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	87477	88.25	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	377836	62.65	ng	0.00
78) Terphenyl-d14	12.94	244	274126	58.81	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.47	94	14157	3.574	ng	99
49) Dimethylphthalate	9.57	163	44748	6.725	ng	97
70) Phenanthrene	11.38	178	118337	15.448	ng	95
71) Anthracene	11.43	178	32359	4.174	ng	97
74) Fluoranthene	12.57	202	274587	32.338	ng	95
77) Pyrene	12.80	202	243735	34.646	ng	98
80) Benzo(a)anthracene	13.99	228	148460	23.063	ng	100
82) Chrysene	14.03	228	113064	18.913	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	52489	9.876	ng	# 91
87) Benzo(b)fluoranthene	15.04	252	151072m	23.486	ng	
88) Benzo(k)fluoranthene	15.07	252	41991m	6.626	ng	
89) Benzo(a)pyrene	15.41	252	94134m	16.097	ng	
90) Dibenzo(a,h)anthracene	16.95	278	17661m	3.426	ng	
91) Benzo(g,h,i)perylene	17.40	276	47887	9.856	ng	# 91

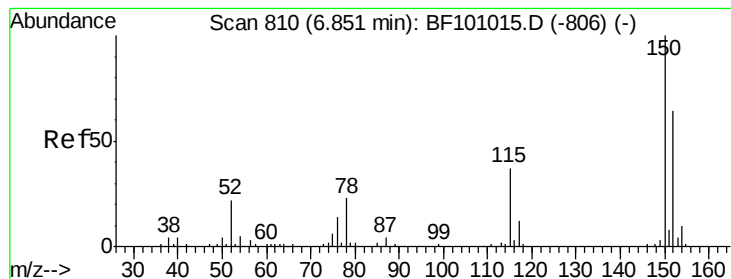
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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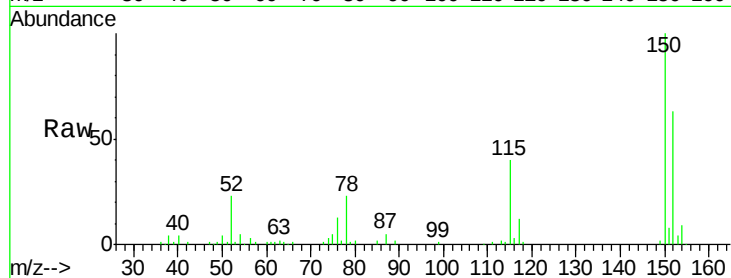


#1

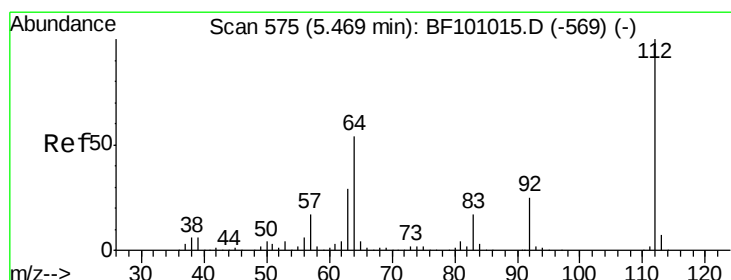
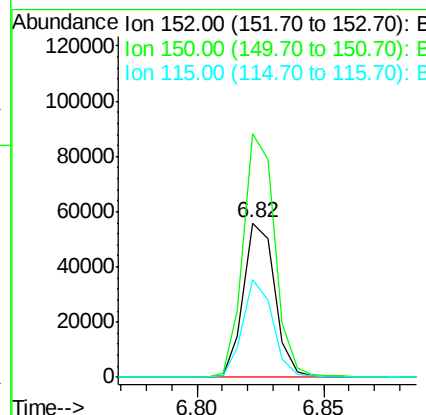
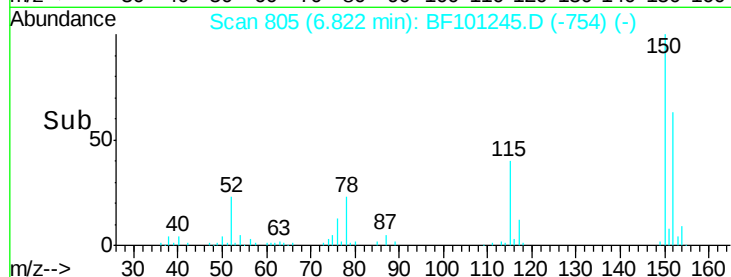
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Instrument :
BNA_F
ClientSampleId :
BU-01-120617

Tot Ion:152 Resp: 48482
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 63.4 50.1 75.1



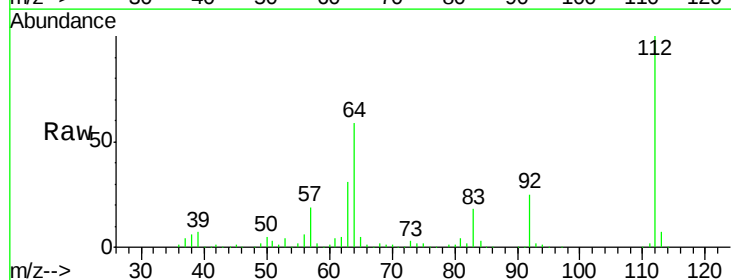
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



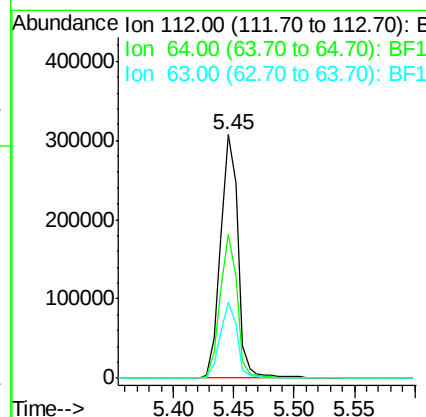
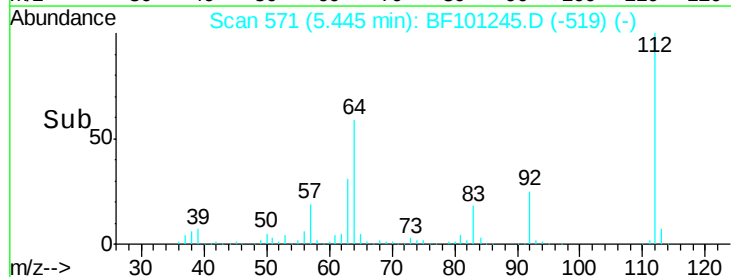
#5

2-Fluorophenol
Concen: 103.606 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Tgt Ion:112 Resp: 303975
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 31.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.979 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

BU-01-120617

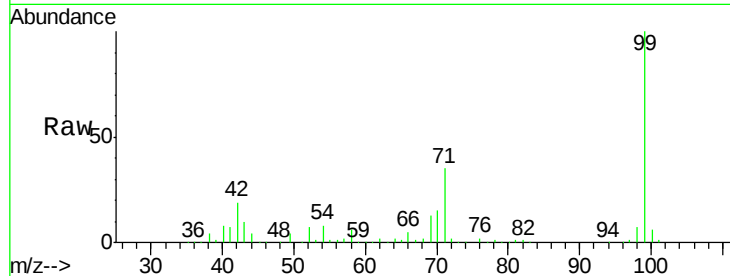
Tot Ion: 99 Resp: 363259

Ion Ratio Lower Upper

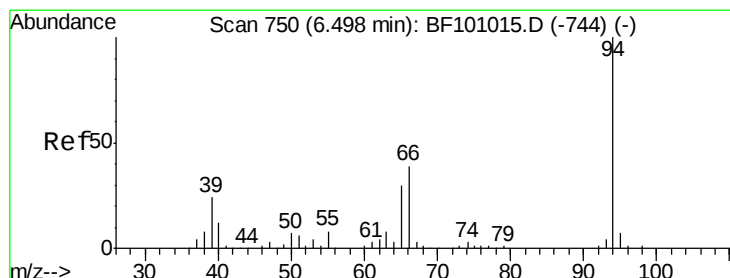
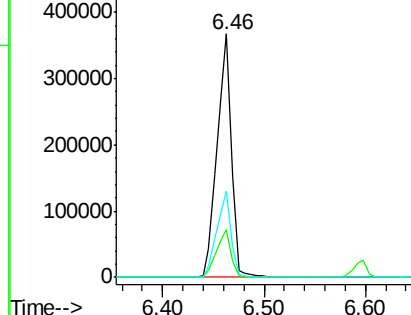
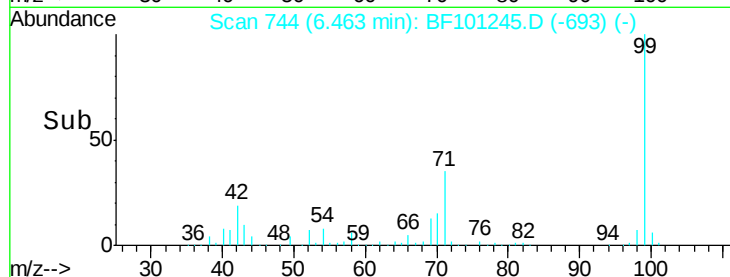
99 100

42 19.5 14.5 21.7

71 35.3 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: 3.574 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

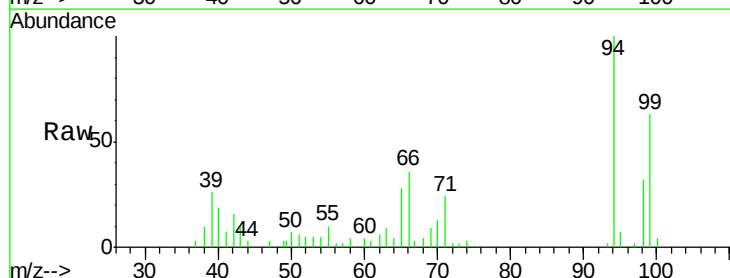
Tgt Ion: 94 Resp: 14157

Ion Ratio Lower Upper

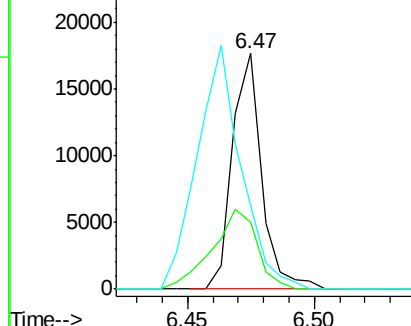
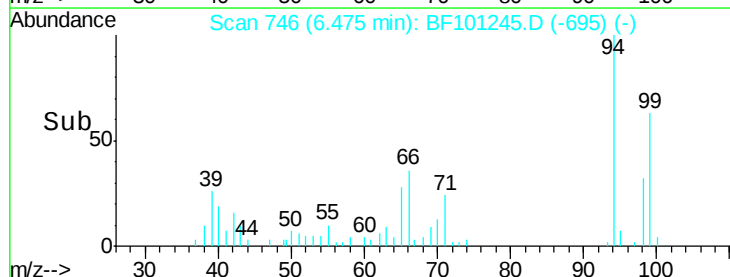
94 100

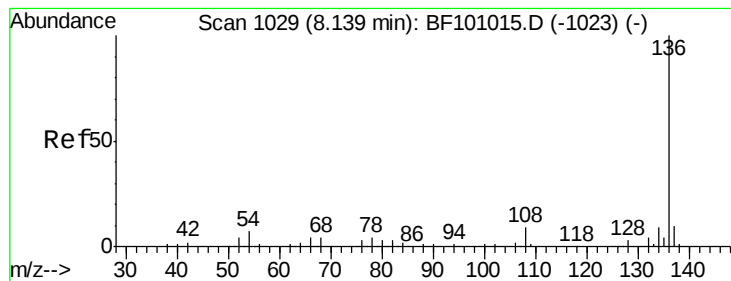
65 28.4 7.9 47.9

66 35.6 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

BU-01-120617

Tot Ion:136 Resp: 190677

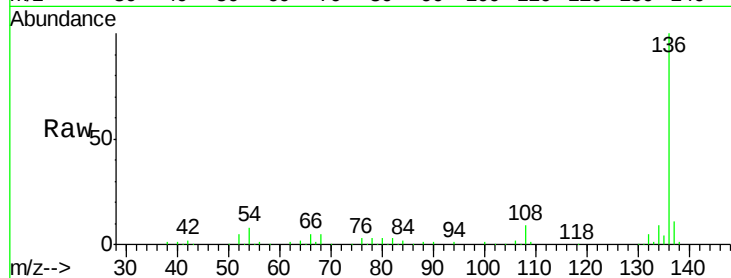
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.0 6.6 9.8

68 4.9 5.0 7.4#

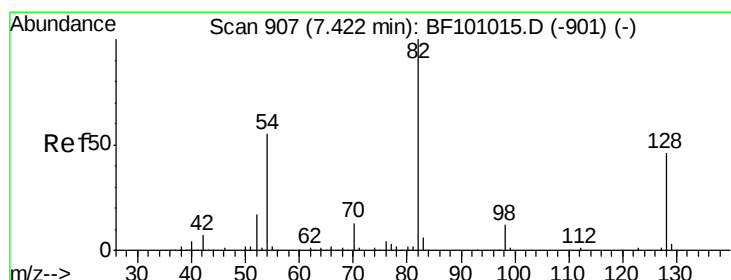
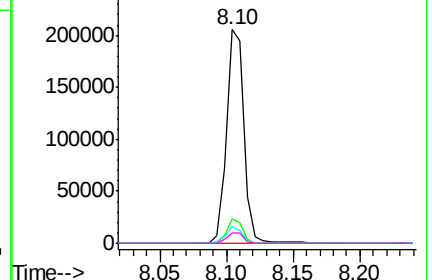
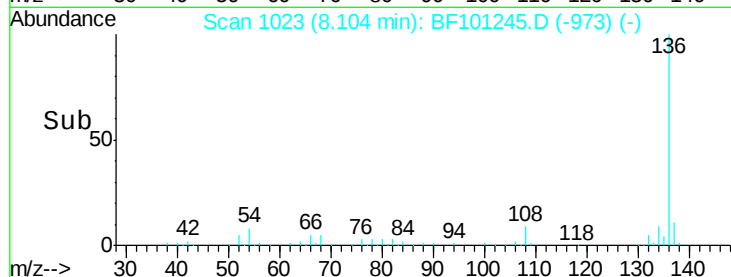


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.668 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

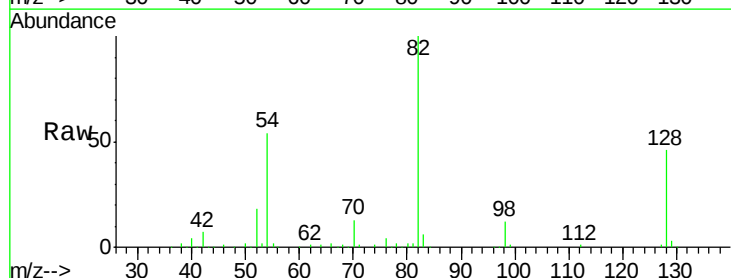
Tgt Ion: 82 Resp: 219491

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

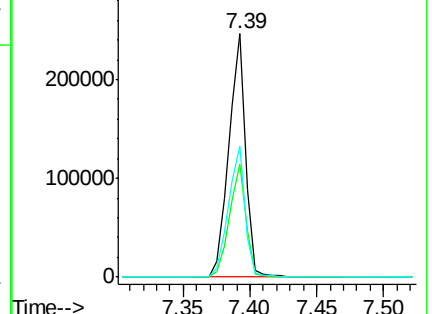
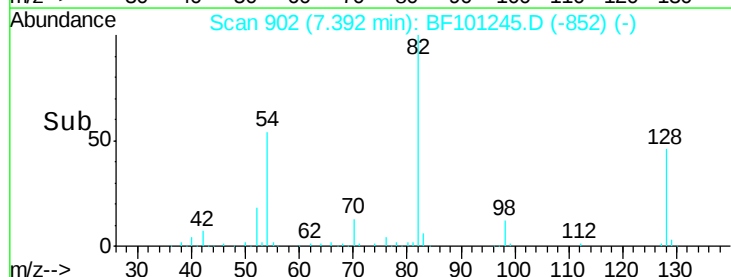
54 53.8 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

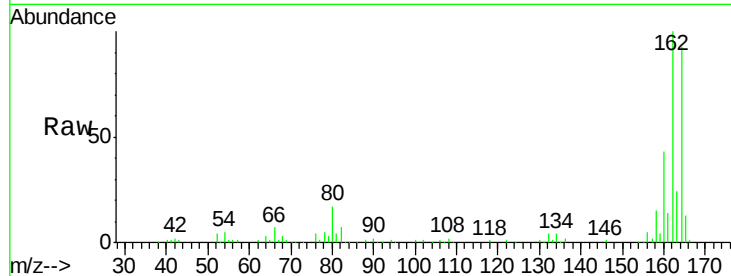




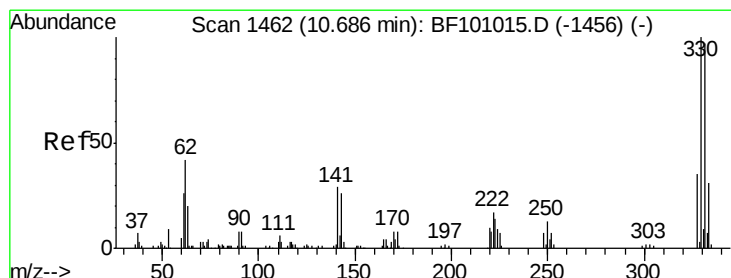
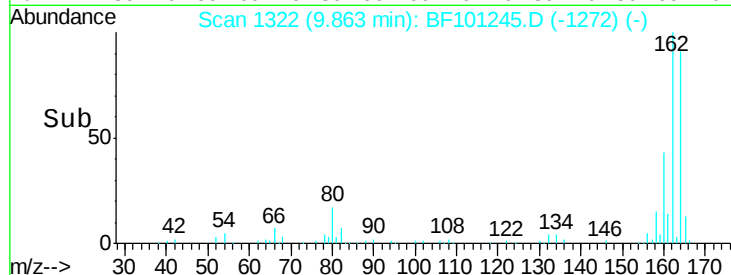
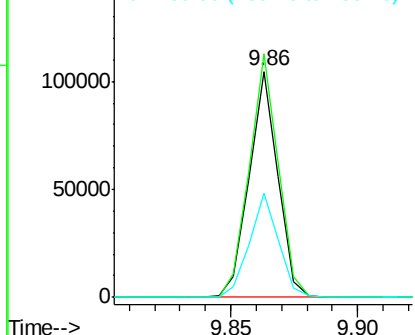
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Instrument :
BNA_F
ClientSampleId :
BU-01-120617

Tot Ion:164 Resp: 82511
Ion Ratio Lower Upper
164 100
162 107.7 86.1 129.1
160 46.3 38.3 57.5

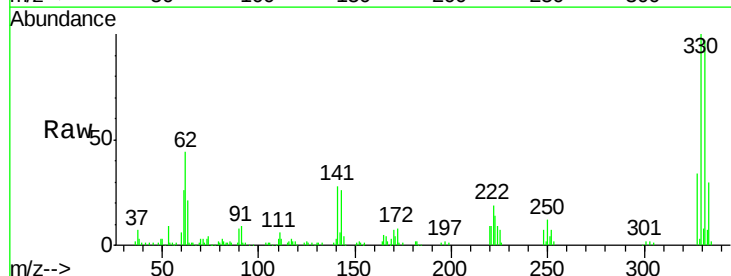


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

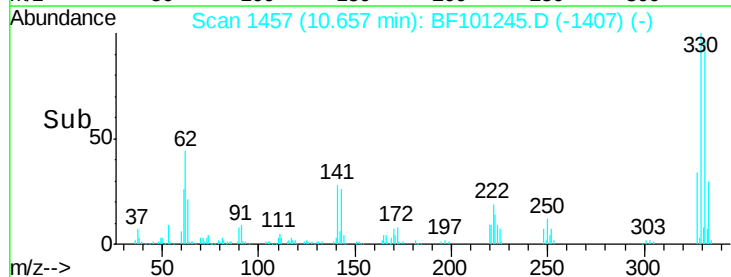
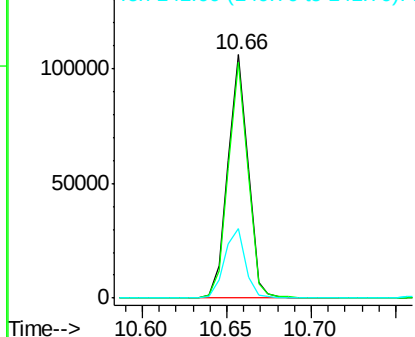


#41
2,4,6-Tribromophenol
Concen: 88.254 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Tgt Ion:330 Resp: 87477
Ion Ratio Lower Upper
330 100
332 94.9 77.0 115.6
141 30.3 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

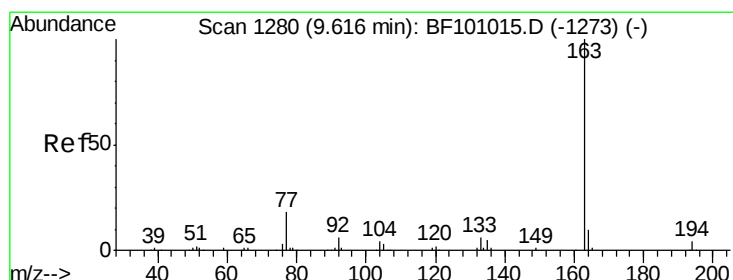
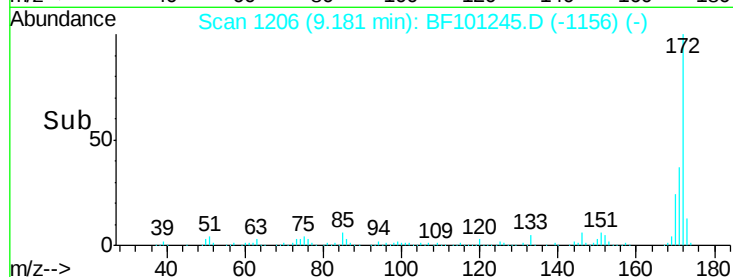
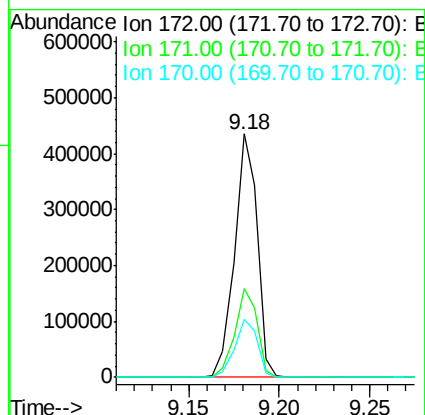
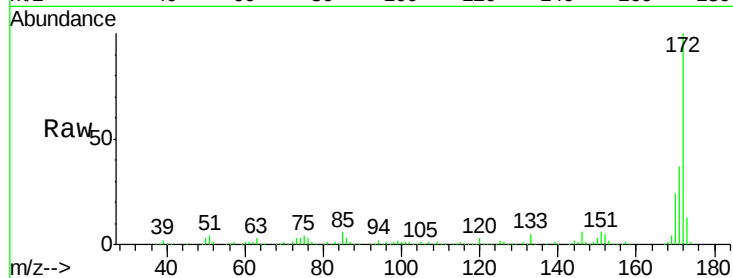




#44
2-Fluorobiphenyl
Concen: 62.653 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

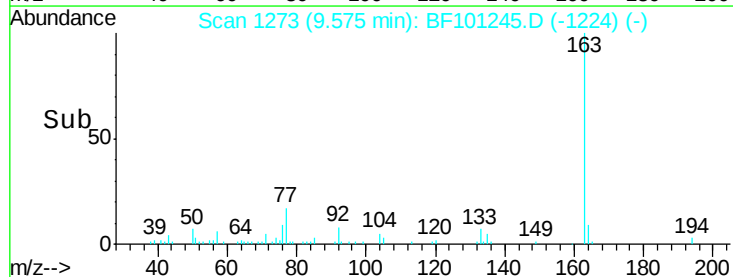
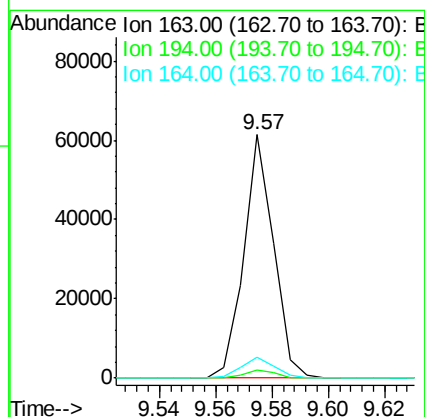
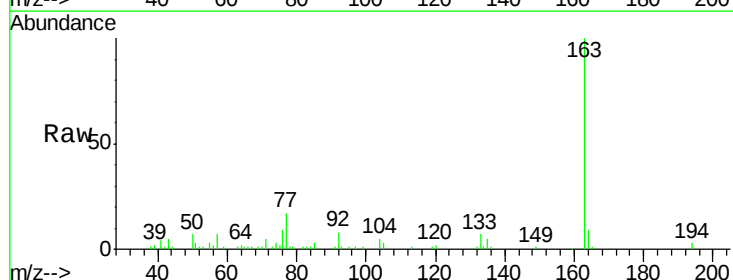
Instrument :
BNA_F
ClientSampleId :
BU-01-120617

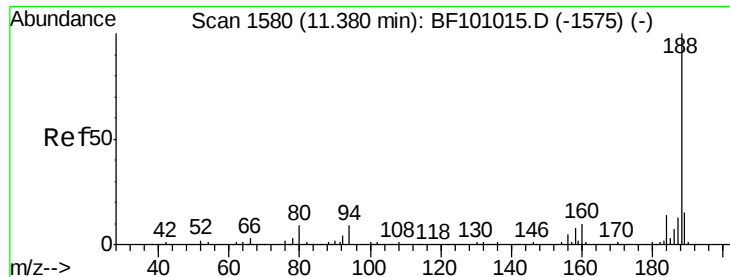
Tot Ion:172 Resp: 377836
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.1 19.6 29.4



#49
Dimethylphthalate
Concen: 6.725 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Tgt Ion:163 Resp: 44748
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 8.6 8.2 12.2

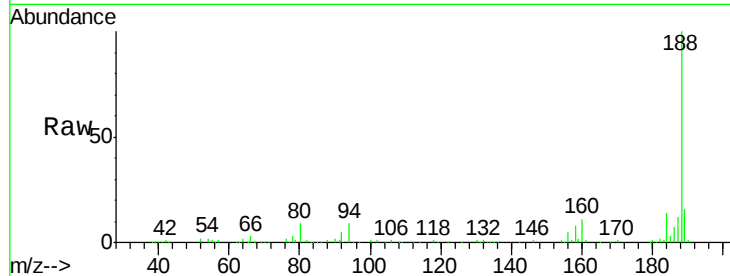




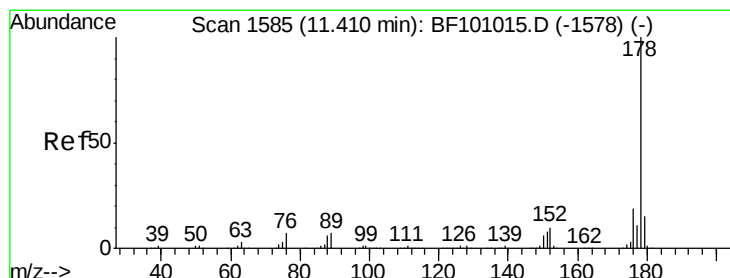
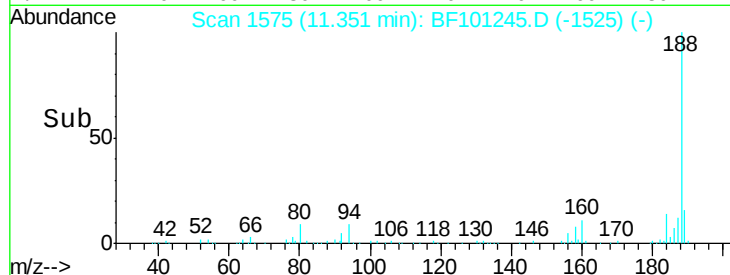
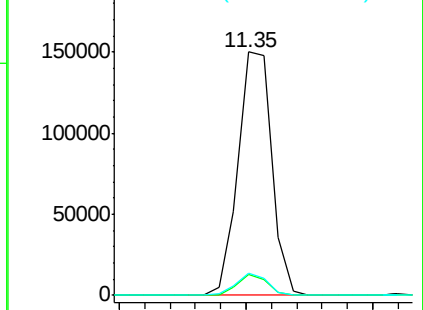
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-120617

Tot Ion:188 Resp: 139101
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.5 12.7
 80 9.4 9.2 13.8

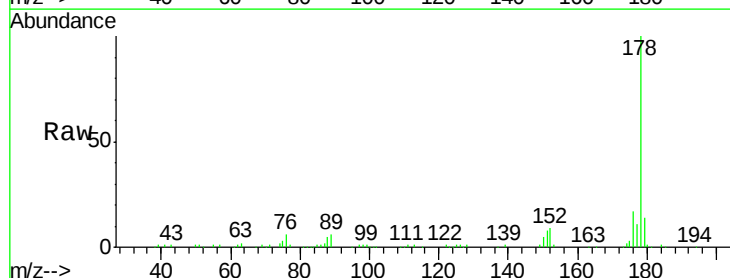


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

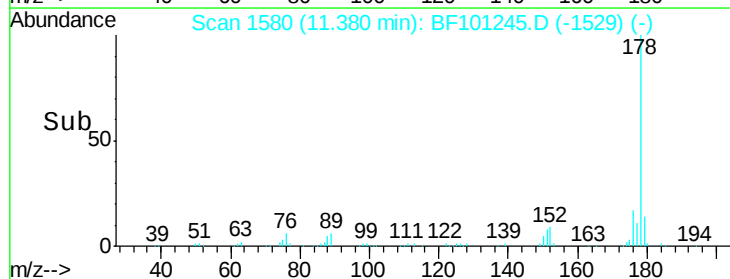
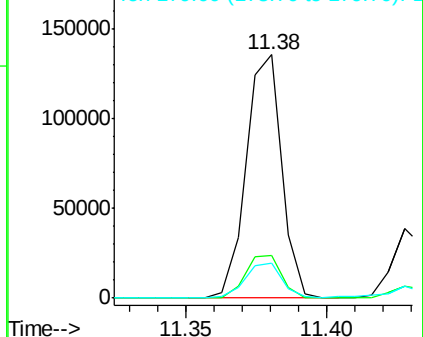


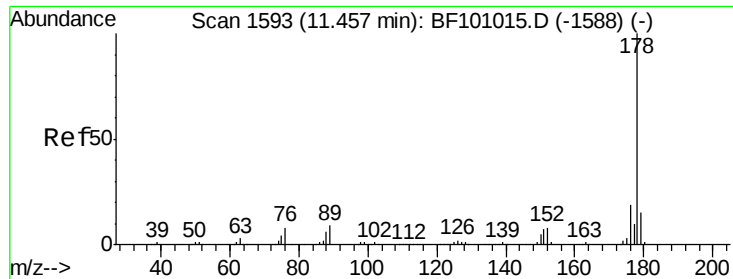
#70
 Phenanthrene
 Concen: 15.448 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Tgt Ion:178 Resp: 118337
 Ion Ratio Lower Upper
 178 100
 176 17.4 15.8 23.8
 179 14.4 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

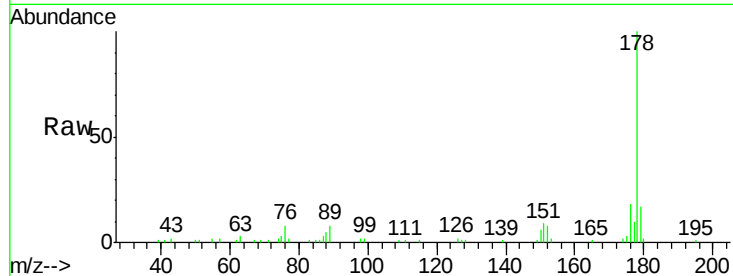




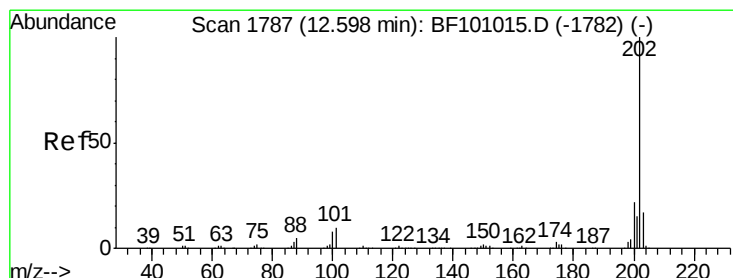
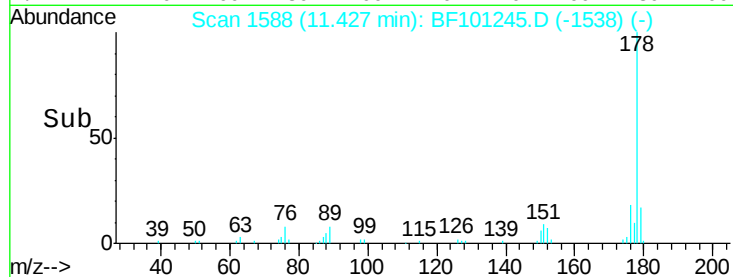
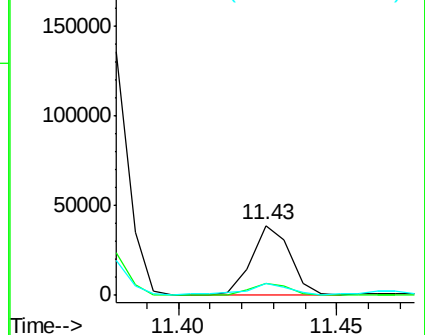
#71
 Anthracene
 Concen: 4.174 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Instrument :
 BNA_F
 ClientSampleId :
 BU-01-120617

Tot Ion:178 Resp: 32359
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 16.8 12.6 19.0

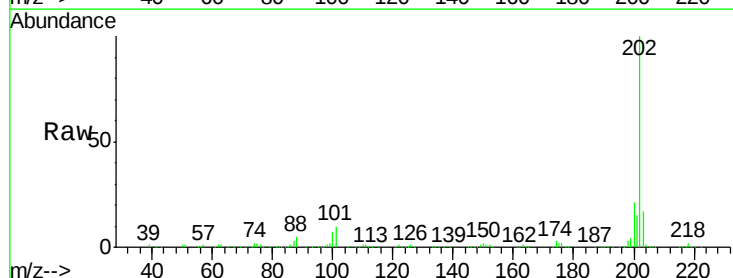


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

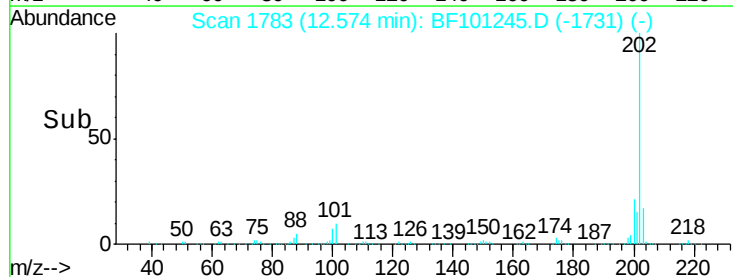
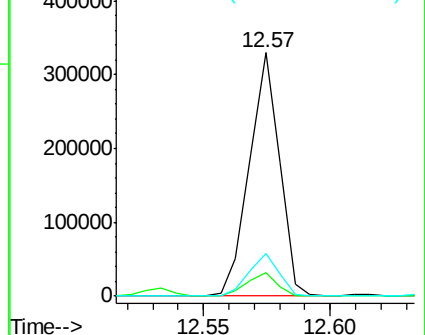


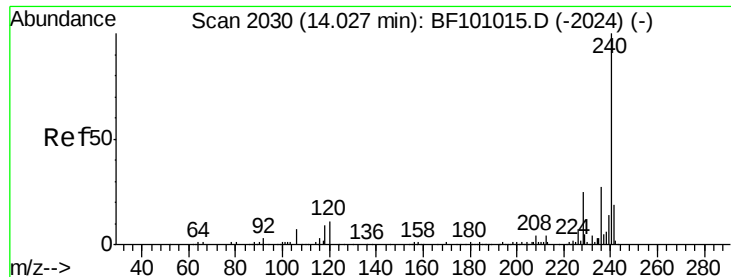
#74
 Fluoranthene
 Concen: 32.338 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Tgt Ion:202 Resp: 274587
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 34.1
 203 17.4 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: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

BU-01-120617

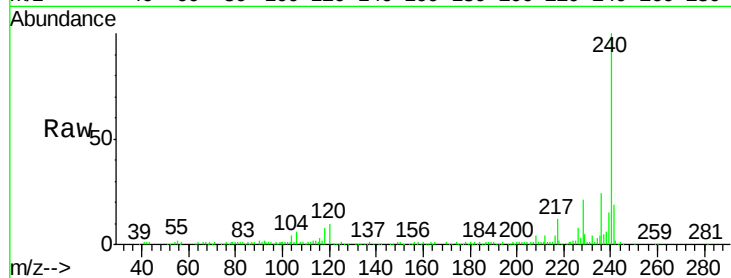
Tot Ion:240 Resp: 101952

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

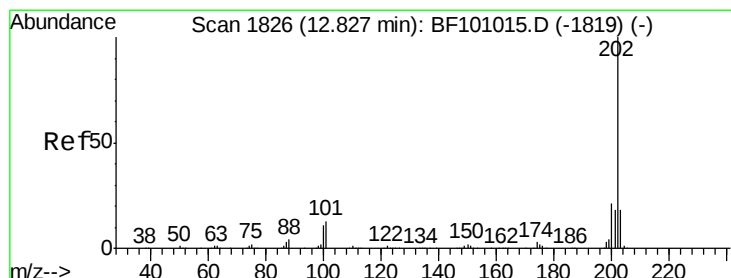
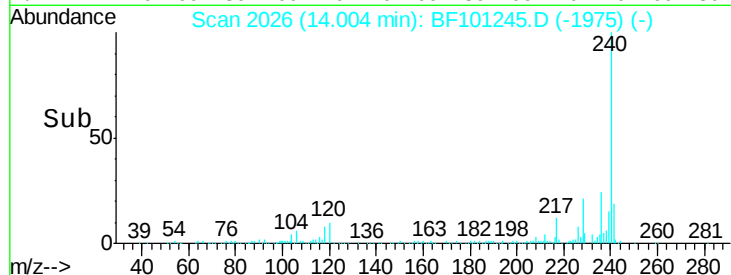
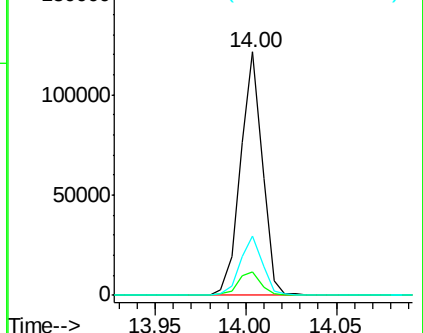
236 24.2 20.7 31.1



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: 34.646 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

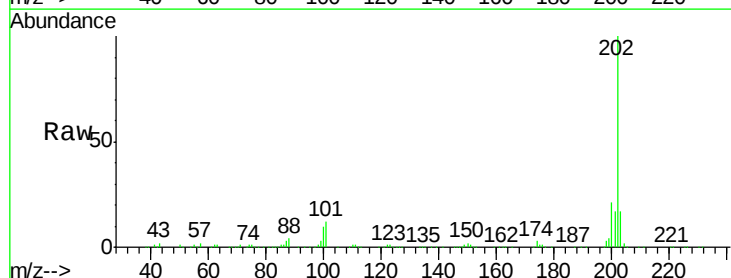
Tgt Ion:202 Resp: 243735

Ion Ratio Lower Upper

202 100

200 21.0 17.4 26.2

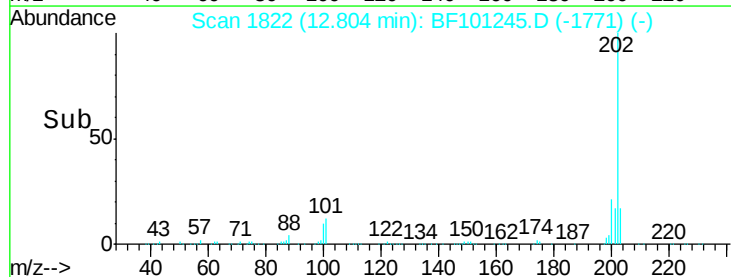
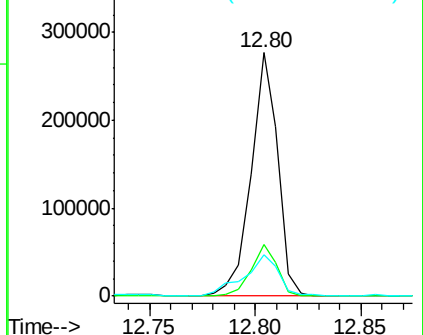
203 17.1 14.3 21.5

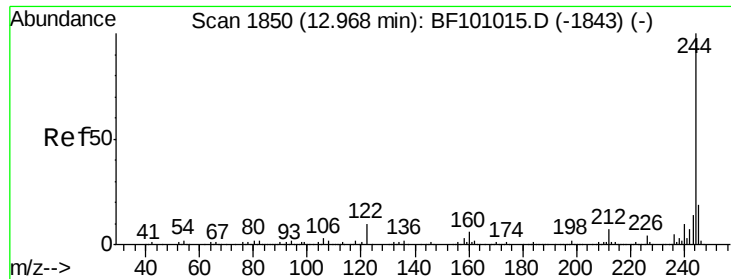


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

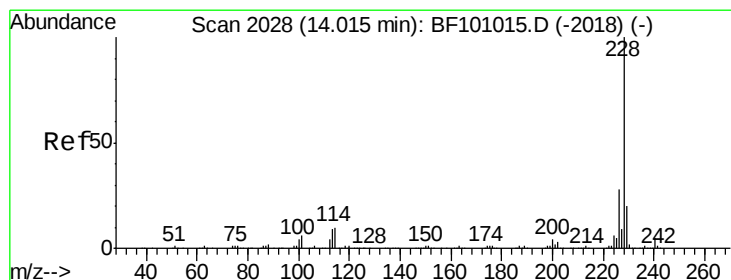
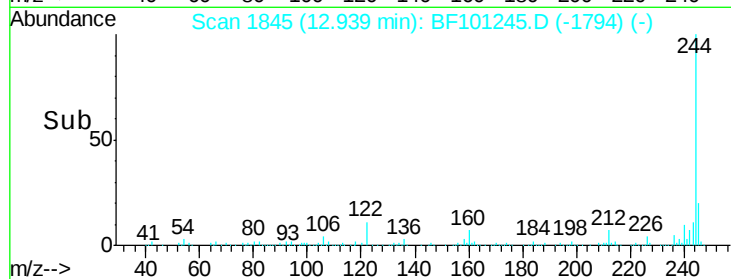
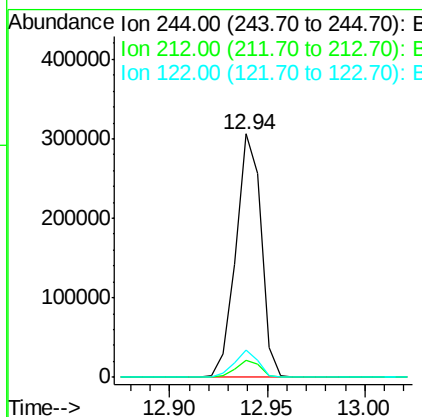
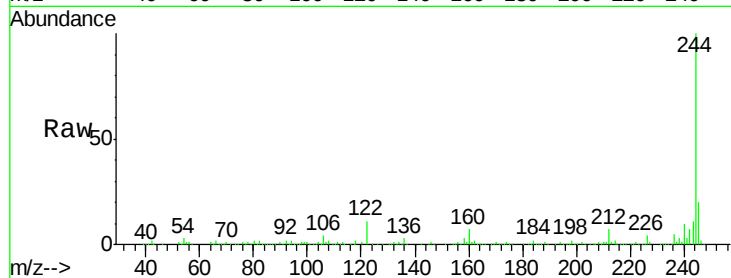




#78
 Terphenyl-d14
 Concen: 58.811 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

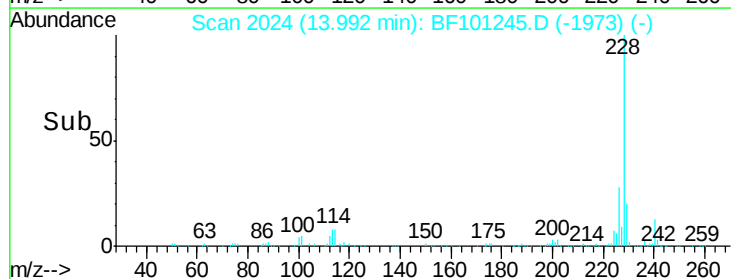
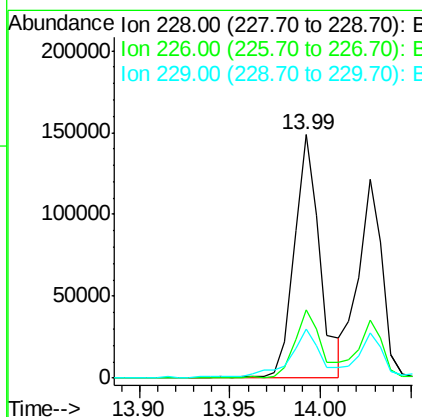
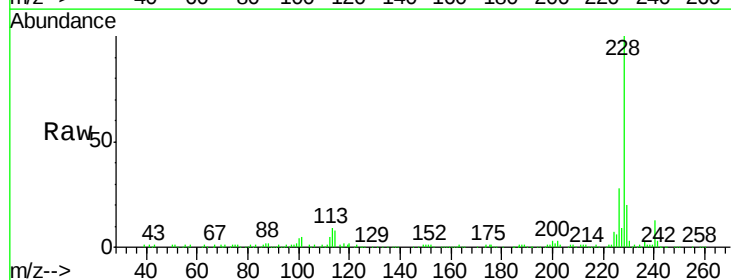
Instrument :
 BNA_F
 ClientSampleId :
 BU-01-120617

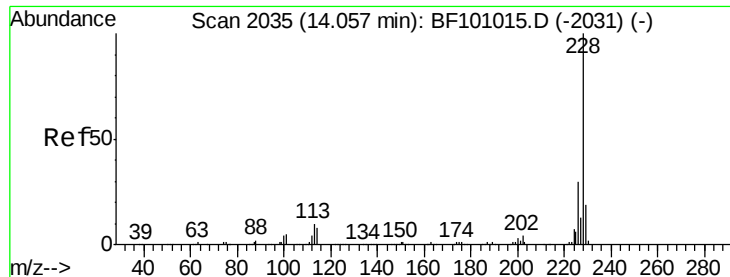
Tot Ion:244 Resp: 274126
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 23.063 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.00 min
 Lab File: BF101245.D
 Acq: 8 Dec 2017 19:31

Tgt Ion:228 Resp: 148460
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 20.0 15.8 23.6





#82

Chrysene

Concen: 18.913 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

BU-01-120617

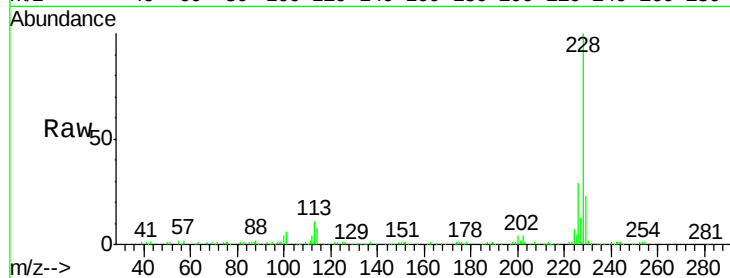
Tot Ion:228 Resp: 113064

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

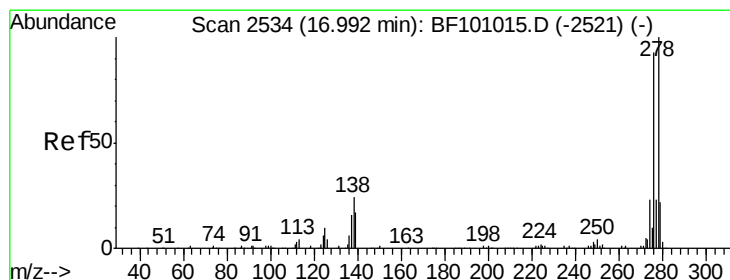
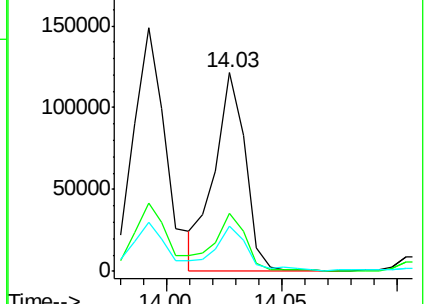
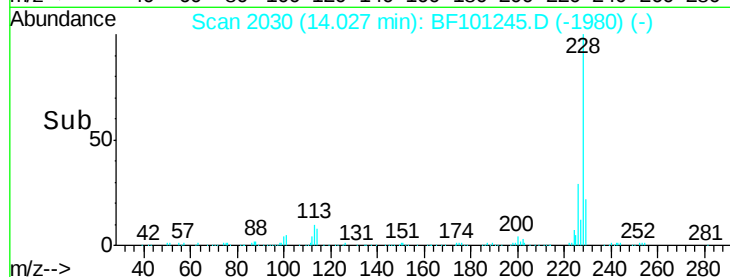
229 22.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 9.876 ng

RT: 16.94 min Scan# 2526

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

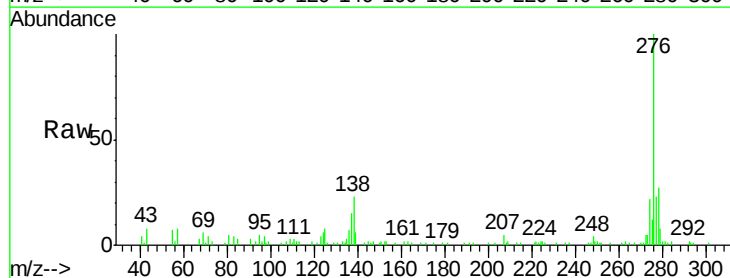
Tgt Ion:276 Resp: 52489

Ion Ratio Lower Upper

276 100

138 23.0 25.0 37.6#

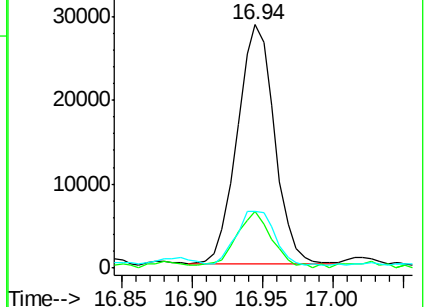
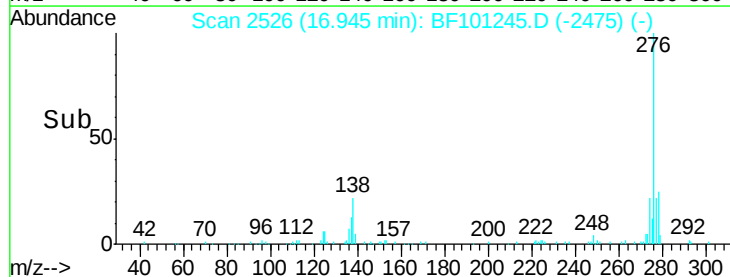
277 24.0 20.1 30.1

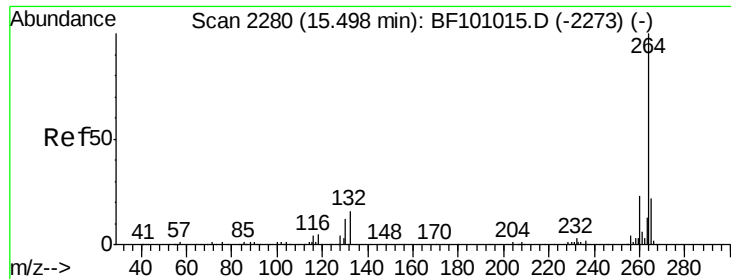


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

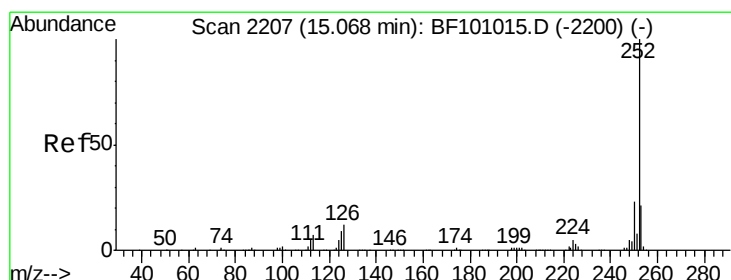
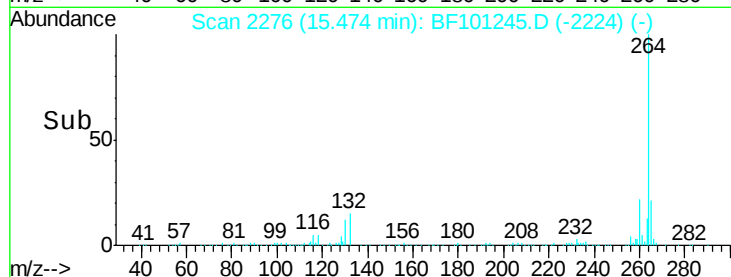
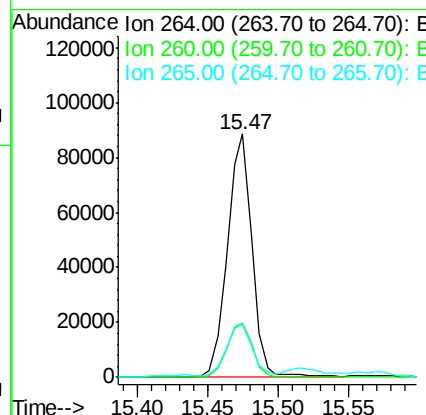
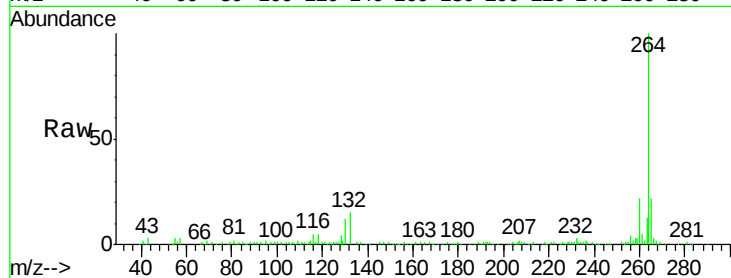




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

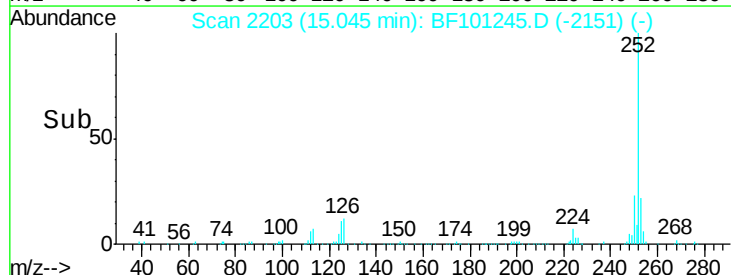
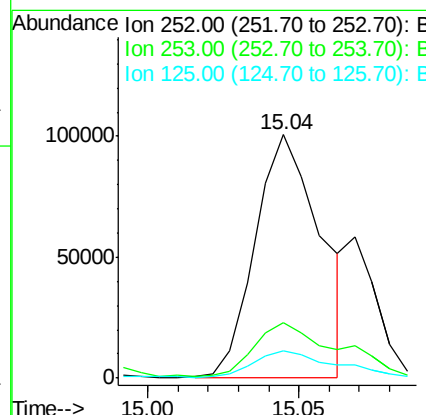
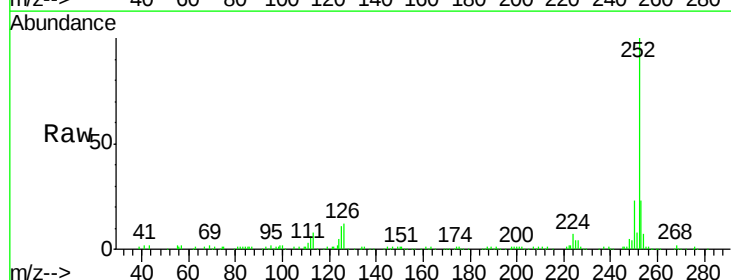
Instrument :
BNA_F
ClientSampleId :
BU-01-120617

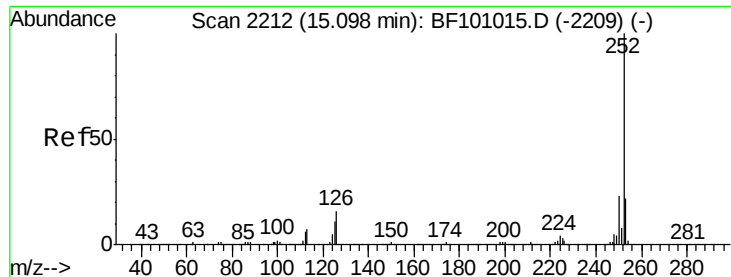
Tot Ion:264 Resp: 107389
Ion Ratio Lower Upper
264 100
260 22.2 19.2 28.8
265 21.8 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 23.486 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101245.D
Acq: 8 Dec 2017 19:31

Tgt Ion:252 Resp: 151072
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.4 9.0 13.6





#88

Benzo(k)fluoranthene

Concen: 6.626 ng m

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

BU-01-120617

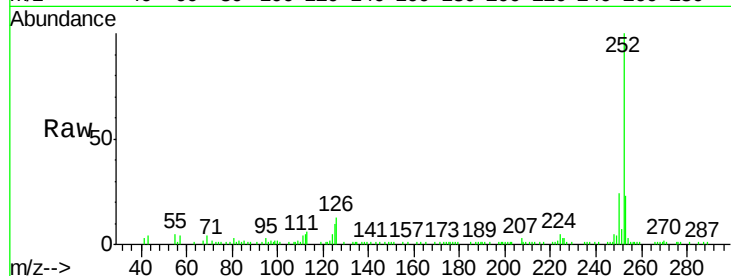
Tot Ion:252 Resp: 41991

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

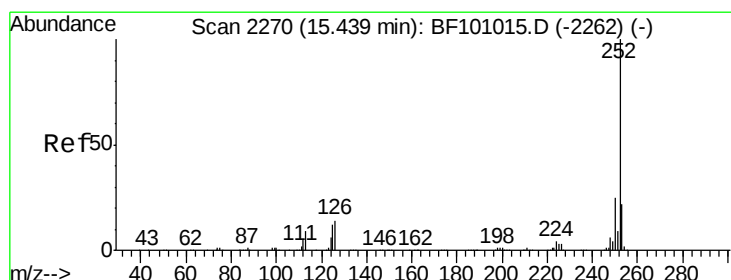
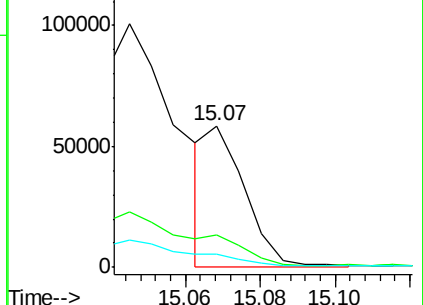
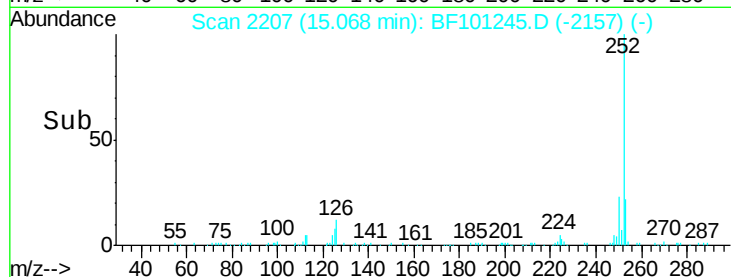
125 9.6 10.2 15.2#



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: 16.097 ng m

RT: 15.41 min Scan# 2265

Delta R.T. 0.00 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

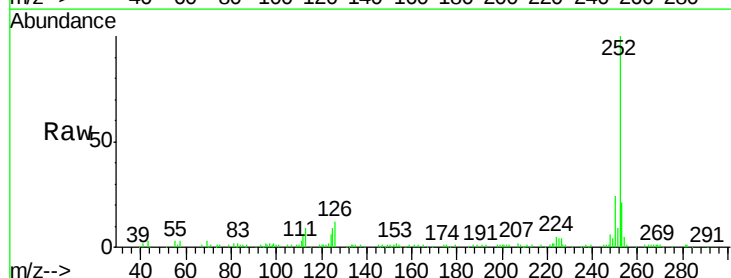
Tgt Ion:252 Resp: 94134

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

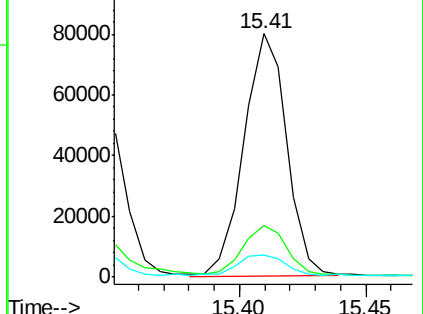
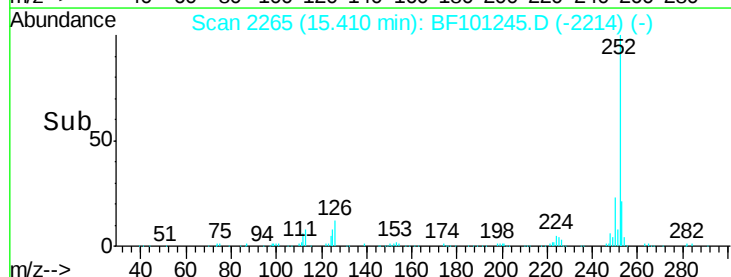
125 8.9 9.8 14.6#

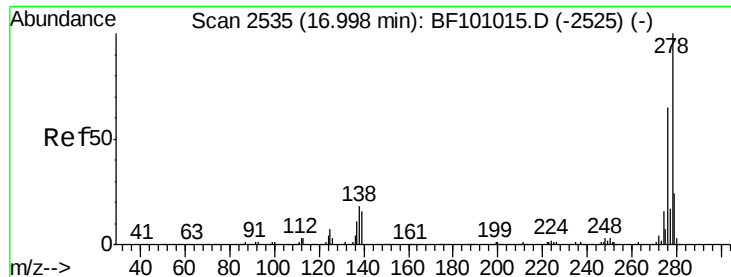


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 3.426 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

Instrument :

BNA_F

ClientSampleId :

BU-01-120617

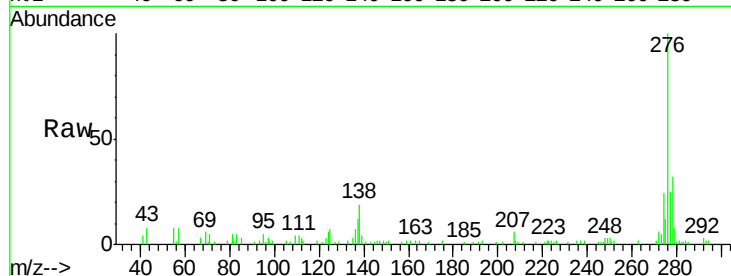
Tot Ion:278 Resp: 17661

Ion Ratio Lower Upper

278 100

139 12.6 15.9 23.9#

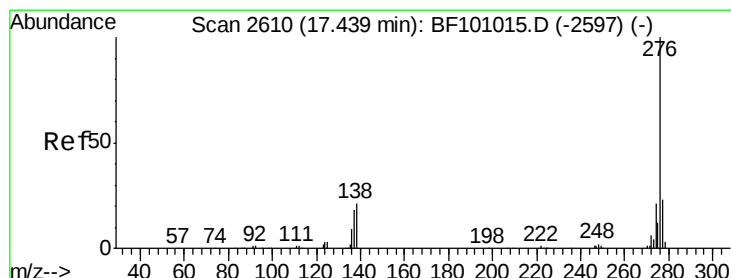
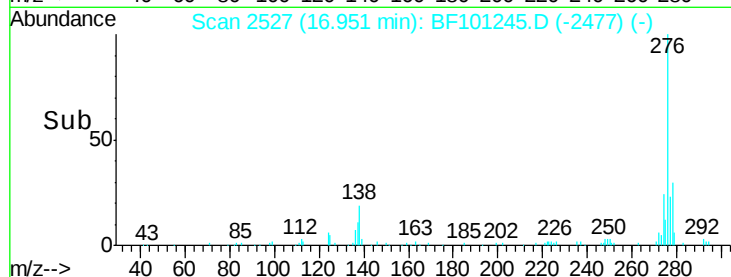
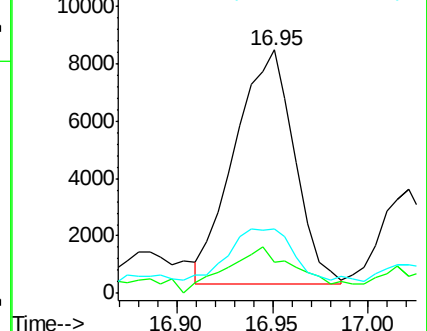
279 26.4 19.0 28.4



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: 9.856 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BF101245.D

Acq: 8 Dec 2017 19:31

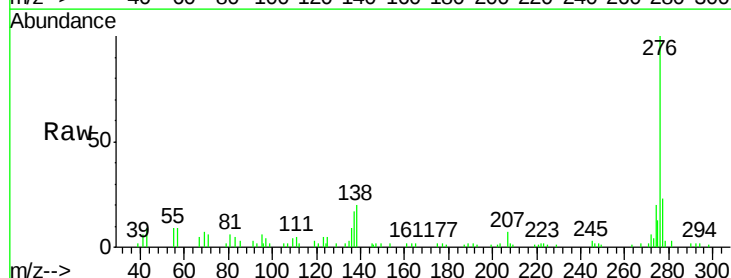
Tgt Ion:276 Resp: 47887

Ion Ratio Lower Upper

276 100

277 22.9 17.9 26.9

138 19.5 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

