

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
 Data File : BF102317.D
 Acq On : 22 Jan 2018 23:24
 Operator : SJ/JU
 Sample : J1238-12 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 00:12:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 22 13:38:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116703	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	417651	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	154257	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	269378	20.00	ng	0.00
75) Chrysene-d12	13.87	240	259601	20.00	ng	0.00
86) Perylene-d12	15.30	264	161159	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	186262	24.20	ng	0.00
7) Phenol-d6	6.36	99	208233	22.44	ng	0.00
23) Nitrobenzene-d5	7.28	82	109409	15.05	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	33264	21.76	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	202665	19.32	ng	0.00
78) Terphenyl-d14	12.82	244	189361	16.44	ng	0.00

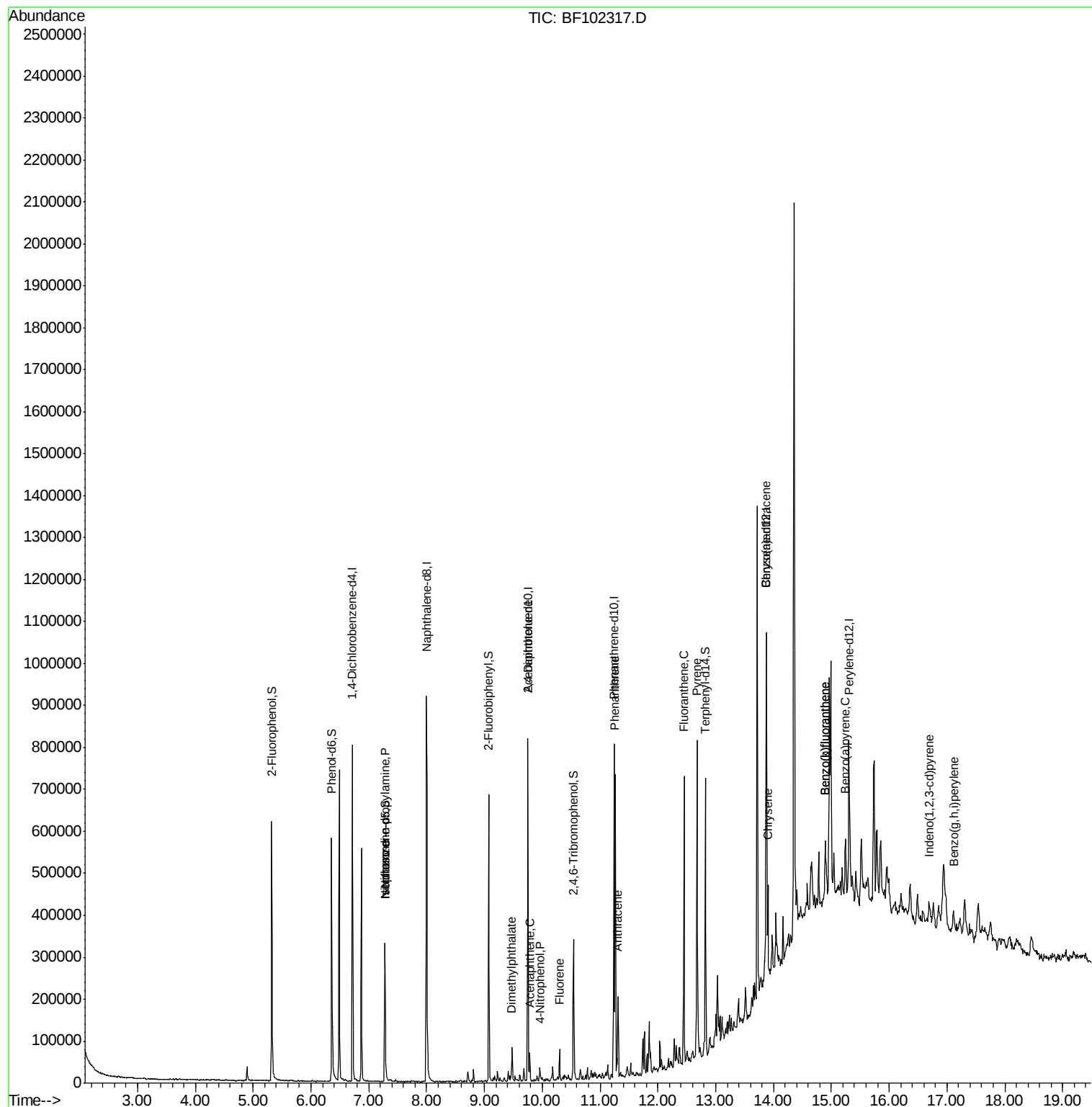
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.28	70	14290	2.516	ng	# 78
25) Isophorone	7.28	82	109407	8.444	ng	# 64
49) Dimethylphthalate	9.47	163	14105	1.106	ng	# 93
51) Acenaphthene	9.79	154	13862	1.421	ng	# 99
55) 4-Nitrophenol	9.96	139	3803	1.772	ng	# 9
56) 2,4-Dinitrotoluene	9.75	165	19590	5.795	ng	# 24
57) Fluorene	10.30	166	20441	1.954	ng	# 98
70) Phenanthrene	11.26	178	252255	16.070	ng	# 98
71) Anthracene	11.32	178	78569	4.904	ng	# 95
74) Fluoranthene	12.45	202	271985	16.991	ng	# 97
77) Pyrene	12.68	202	296539	14.774	ng	# 99
80) Benzo(a)anthracene	13.87	228	102304	6.401	ng	# 100
82) Chrysene	13.90	228	91312	5.626	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.69	276	26775	1.998	ng	# 93
87) Benzo(b)fluoranthene	14.90	252	92363	8.842	ng	# 90
88) Benzo(k)fluoranthene	14.90	252	92363	9.359	ng	# 92
89) Benzo(a)pyrene	15.24	252	56144	5.960	ng	# 93
91) Benzo(g,h,i)perylene	17.11	276	29228	3.879	ng	# 90

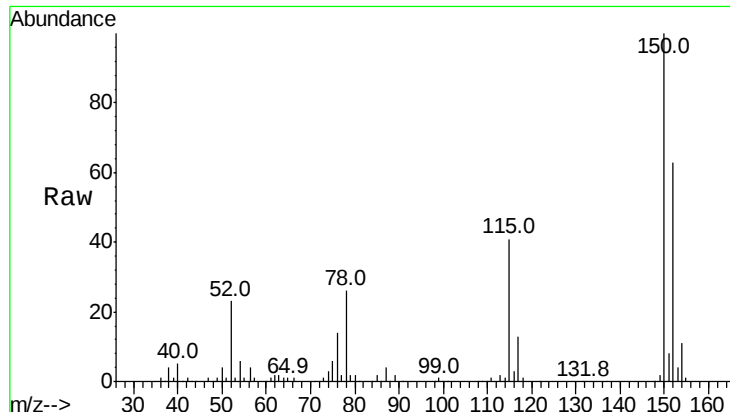
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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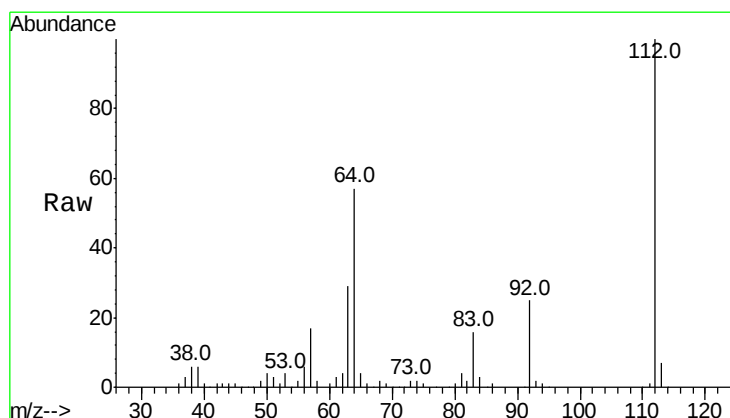
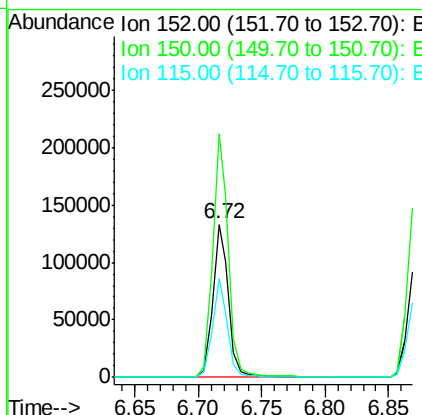
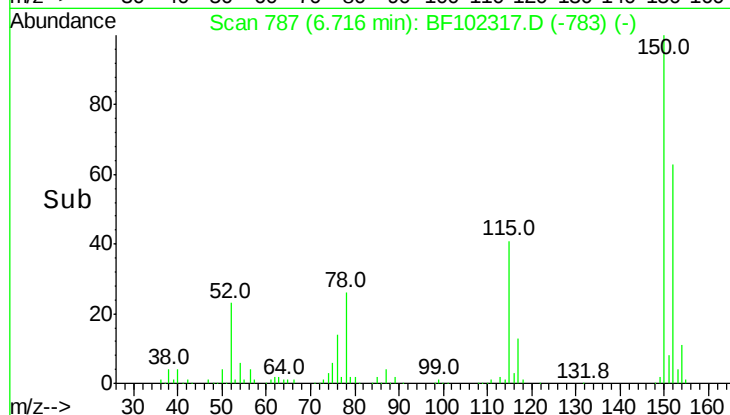


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 116703

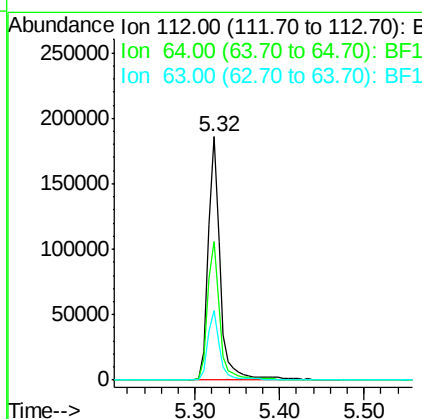
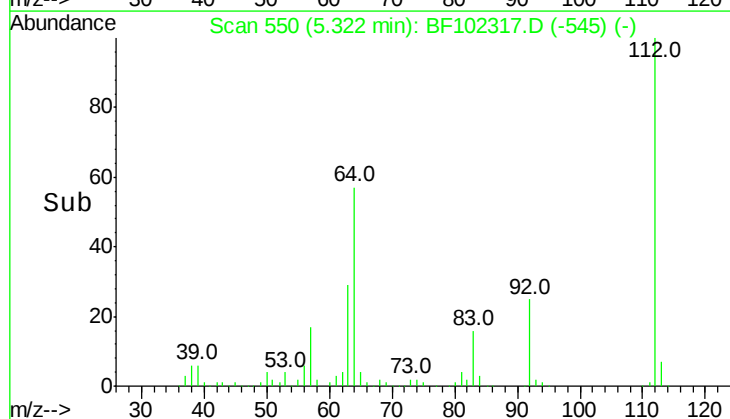
Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	64.8	50.1	75.1

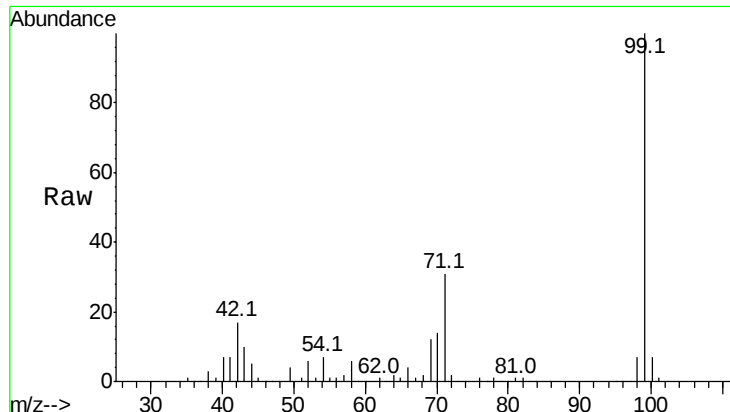


#5
 2-Fluorophenol
 Concen: 24.200 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.00 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Tgt Ion:112 Resp: 186262

Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.7	23.7	35.5





#7

Phenol-d6

Concen: 22.441 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

ClientSampled :

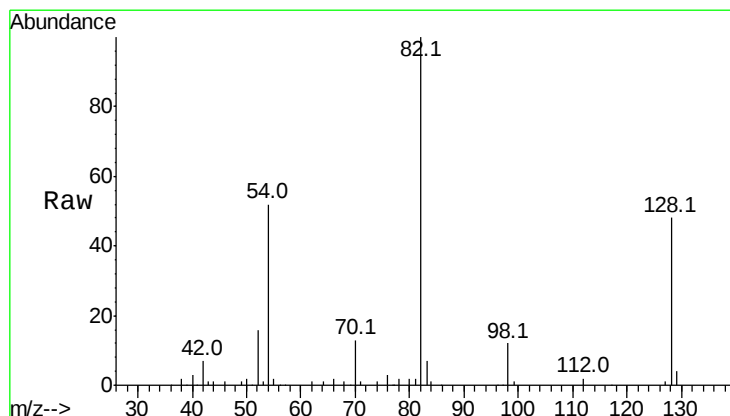
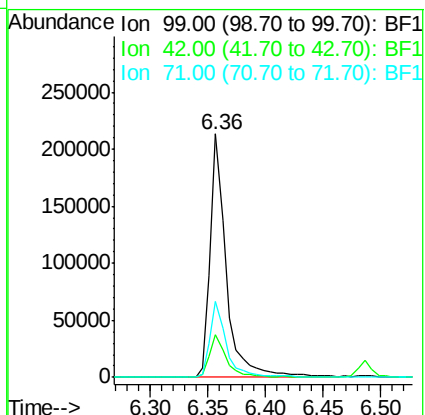
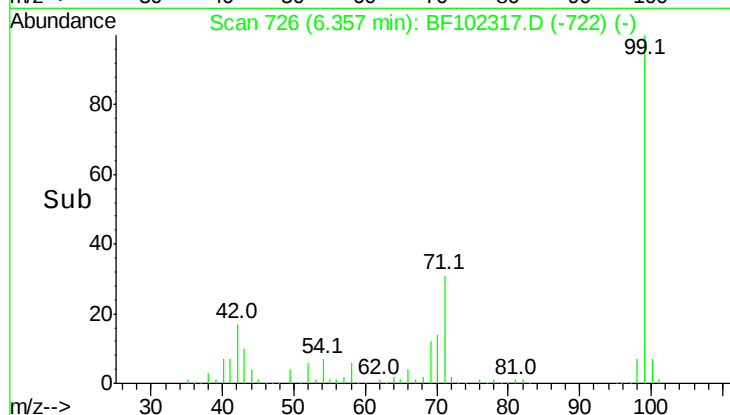
Tot Ion: 99 Resp: 208233

Ion Ratio Lower Upper

99 100

42 17.3 14.5 21.7

71 31.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.516 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Tgt Ion: 70 Resp: 14290

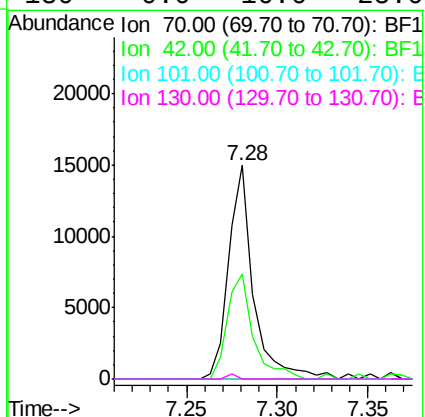
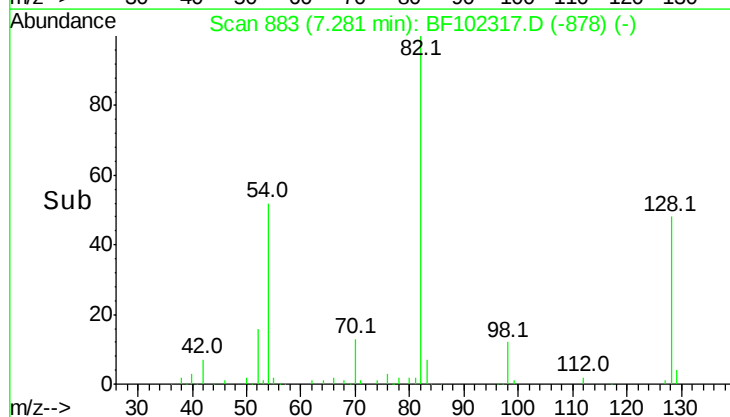
Ion Ratio Lower Upper

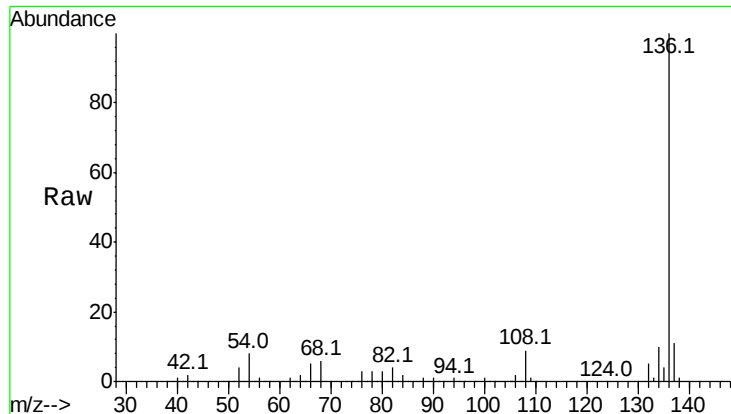
70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

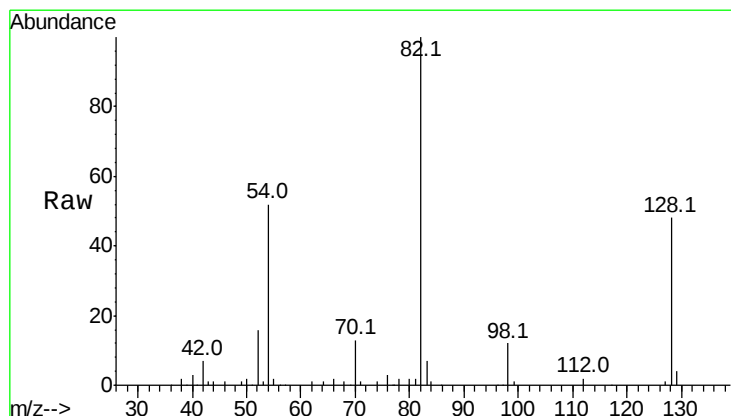
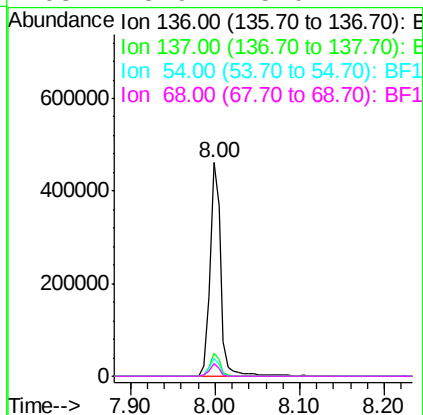
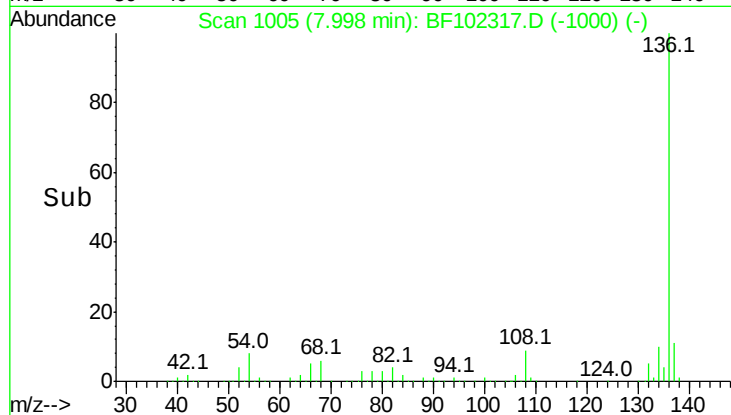




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

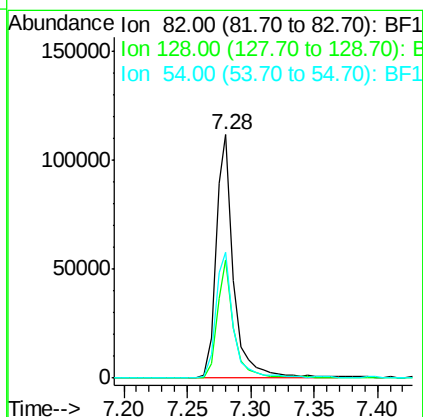
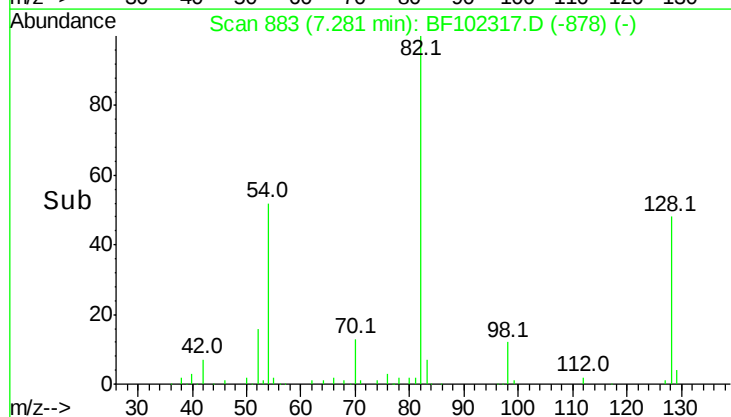
Instrument :
BNA_F
ClientSampleId :

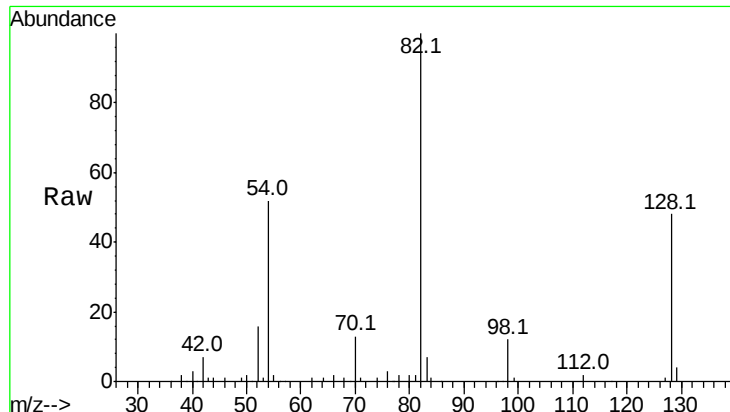
Tot Ion:	136	Resp:	417651
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.4	6.6	9.8
68	5.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 15.054 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Tgt Ion:	82	Resp:	109409
Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.1	54.1
54	51.7	41.4	62.2





#25

Isophorone

Concen: 8.444 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

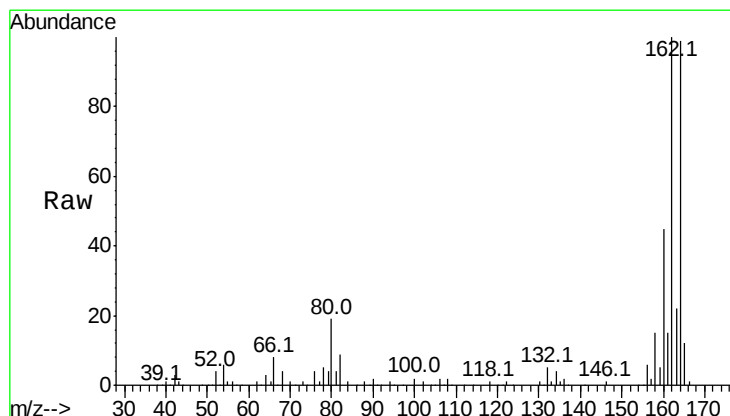
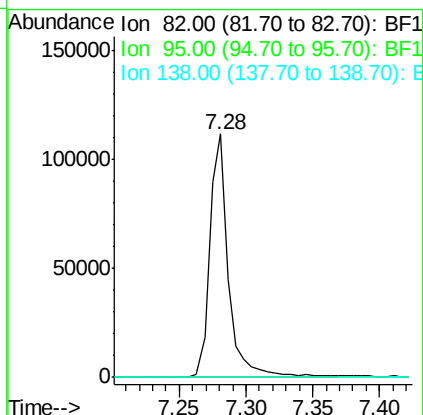
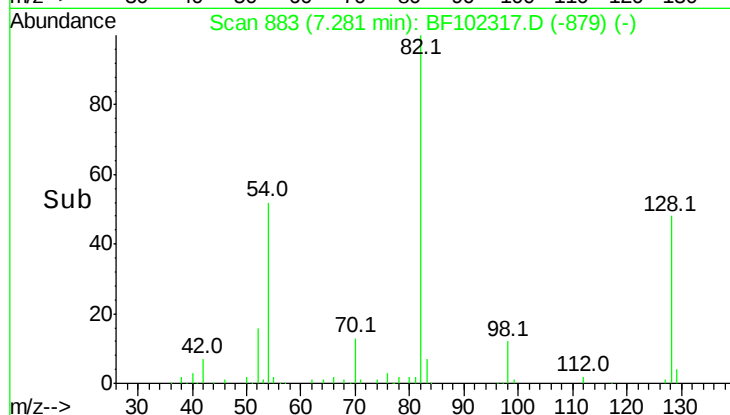
Tot Ion: 82 Resp: 109407

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

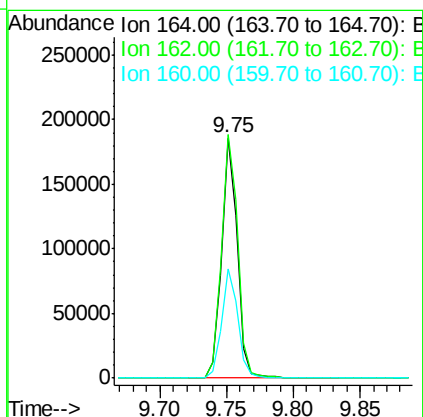
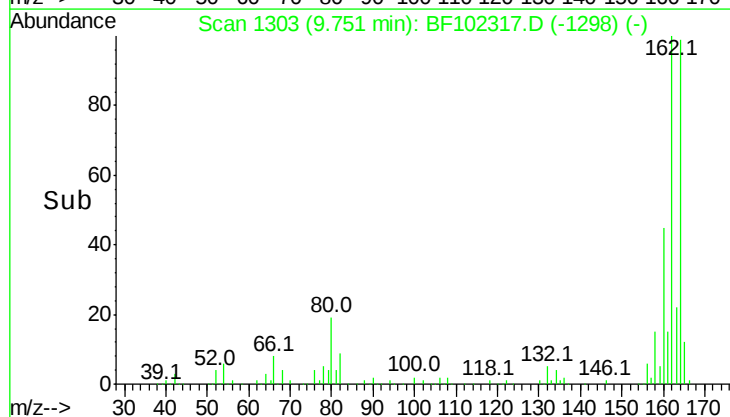
Tgt Ion:164 Resp: 154257

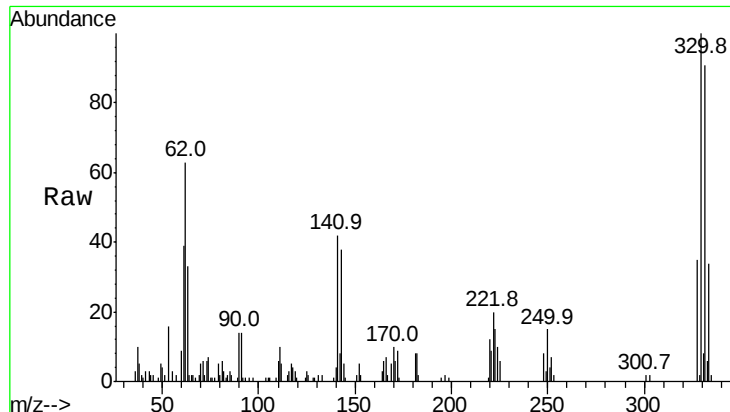
Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

160 45.3 38.3 57.5

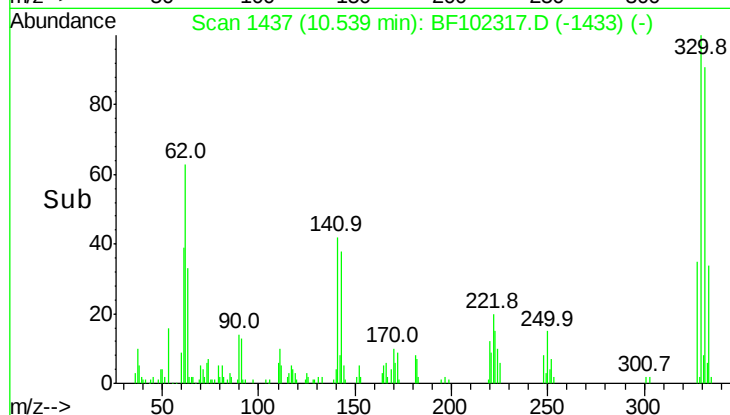




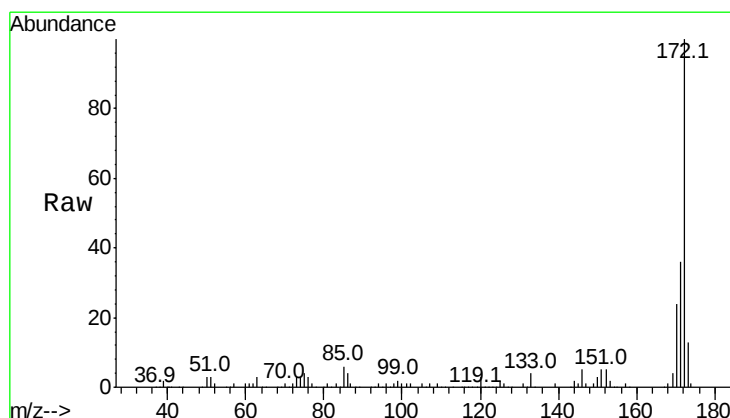
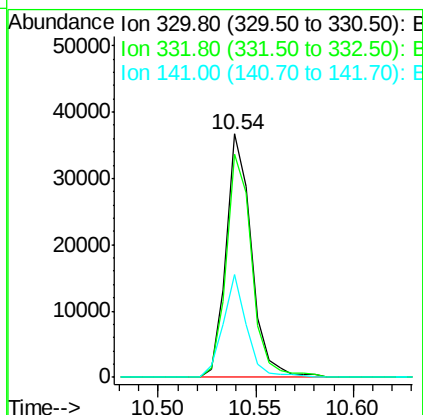
#41
 2,4,6-Tribromophenol
 Concen: 21.763 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 33264
 Ion Ratio Lower Upper
 330 100
 332 92.4 77.0 115.6
 141 39.1 29.9 44.9

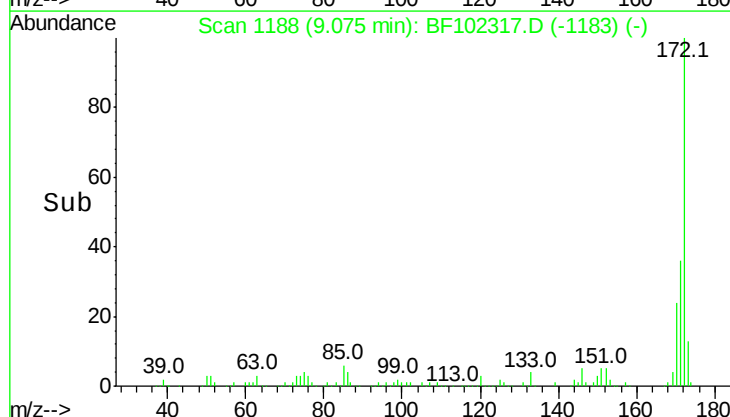


Scan 1437 (10.539 min): BF102317.D (-1433) (-)

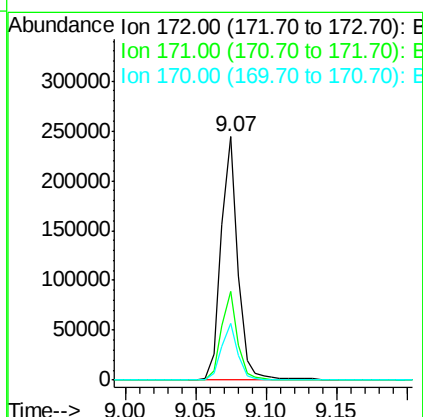


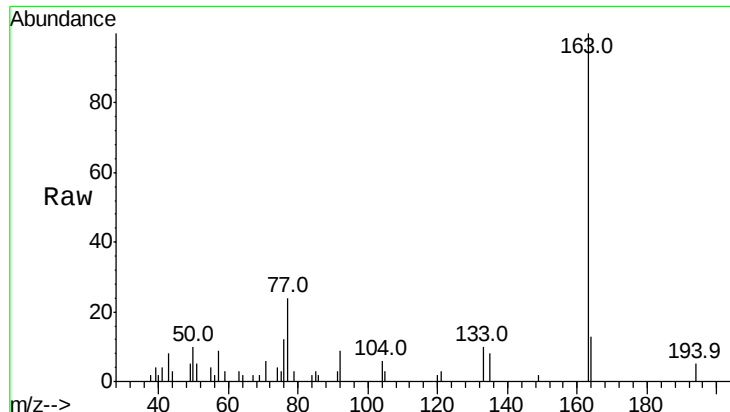
#44
 2-Fluorobiphenyl
 Concen: 19.318 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Tgt Ion:172 Resp: 202665
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.5 19.6 29.4



Scan 1188 (9.075 min): BF102317.D (-1183) (-)

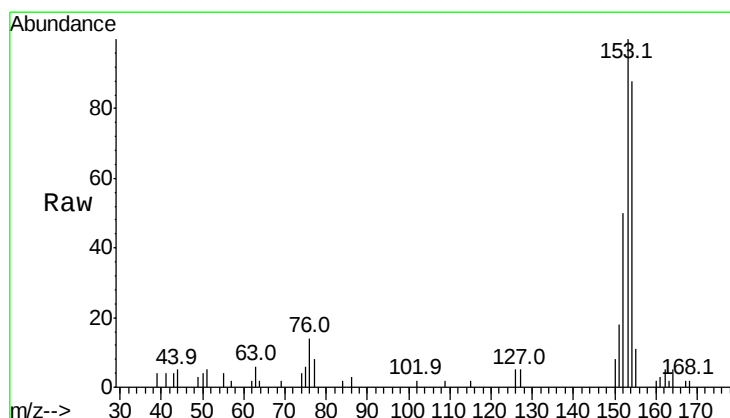
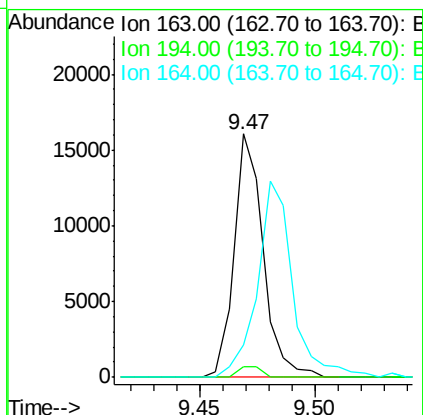
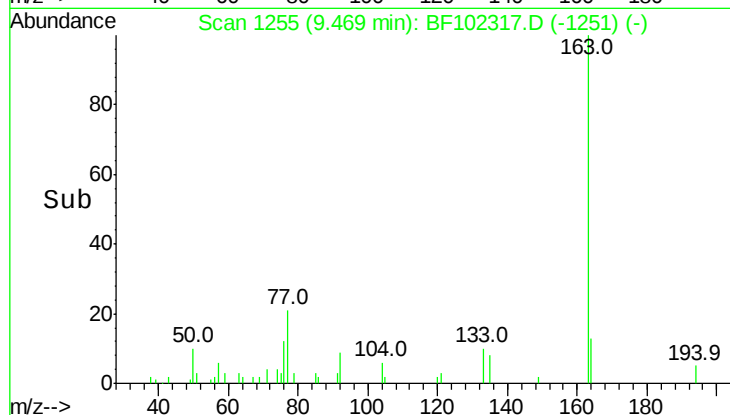




#49
Dimethylphthalate
Concen: 1.106 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

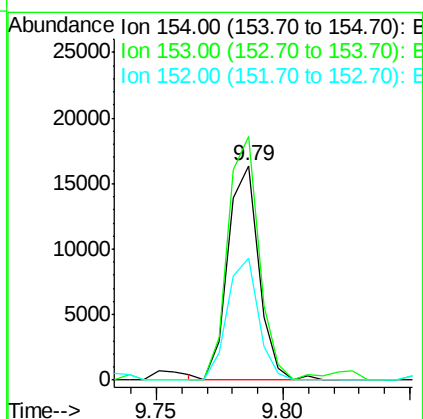
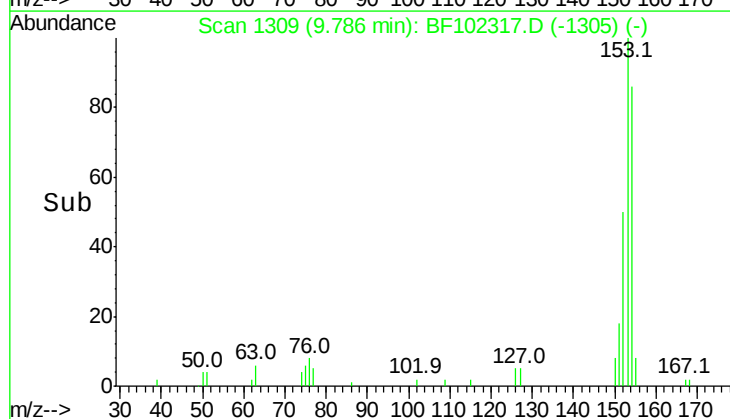
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BNA_F
ClientSampleId :

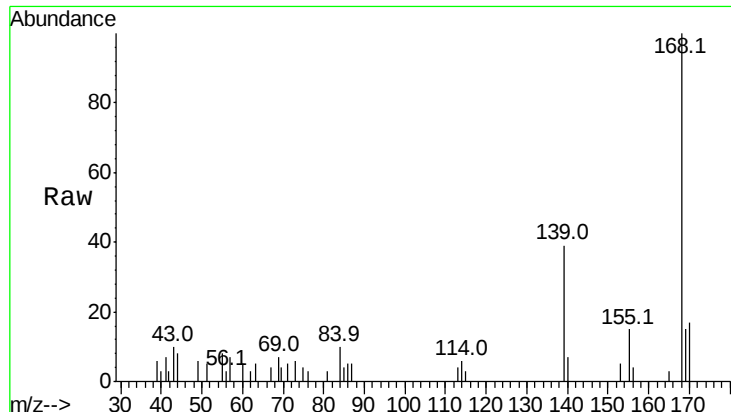
Tot Ion:163 Resp: 14105
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 13.2 8.2 12.2#



#51
Acenaphthene
Concen: 1.421 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Tgt Ion:154 Resp: 13862
Ion Ratio Lower Upper
154 100
153 113.5 91.2 136.8
152 56.6 43.8 65.8





#55

4-Nitrophenol

Concen: 1.772 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.08 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

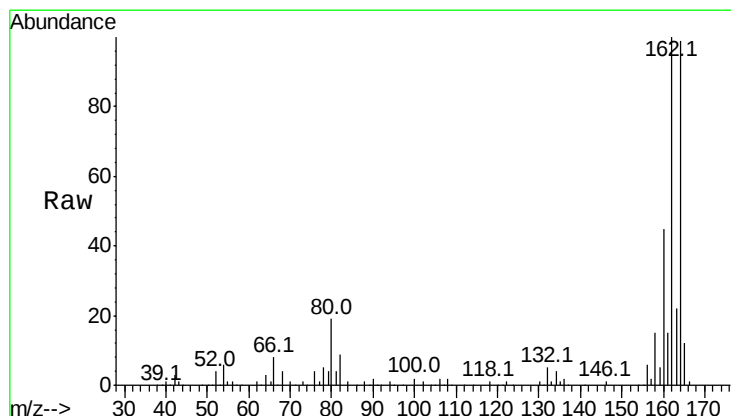
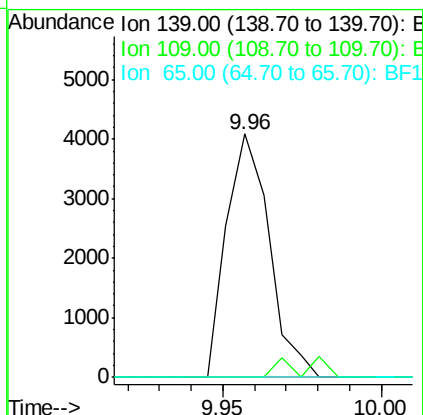
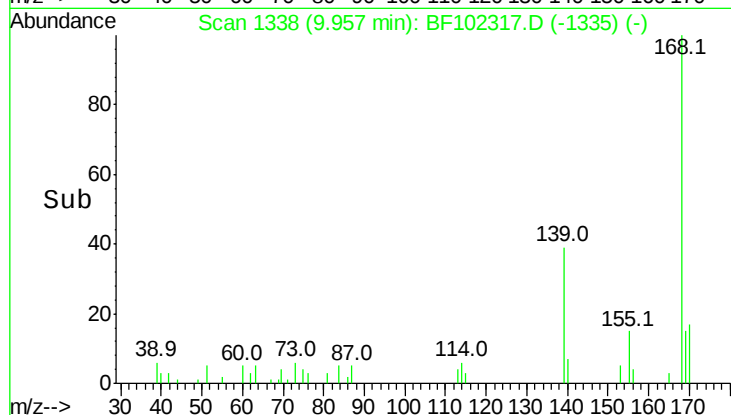
Tot Ion:139 Resp: 3803

Ion Ratio Lower Upper

139 100

109 0.0 48.4 88.4#

65 0.0 72.6 112.6#



#56

2,4-Dinitrotoluene

Concen: 5.795 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Tgt Ion:165 Resp: 19590

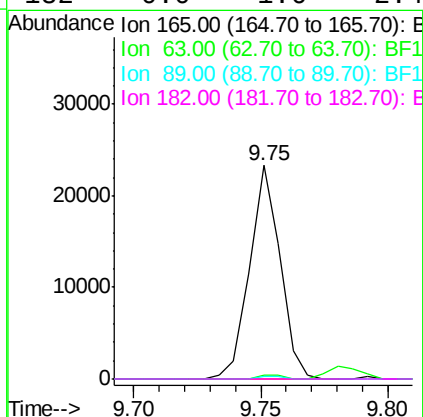
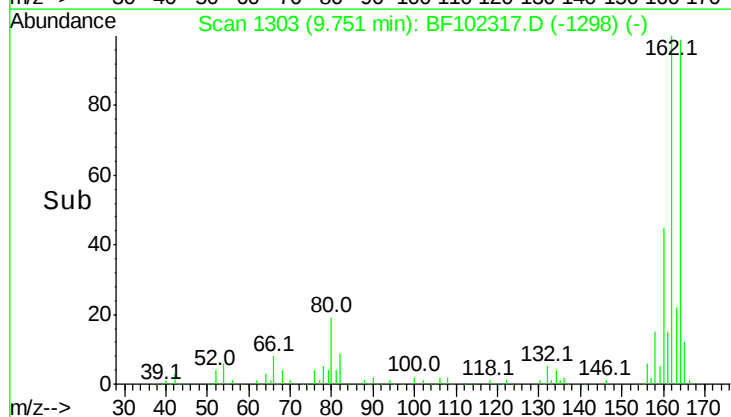
Ion Ratio Lower Upper

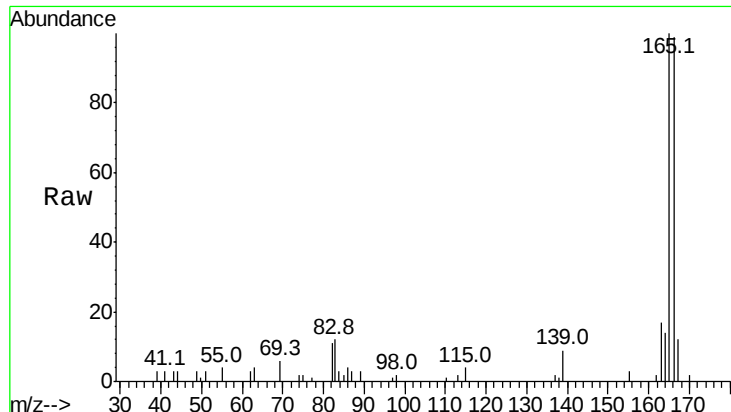
165 100

63 2.1 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

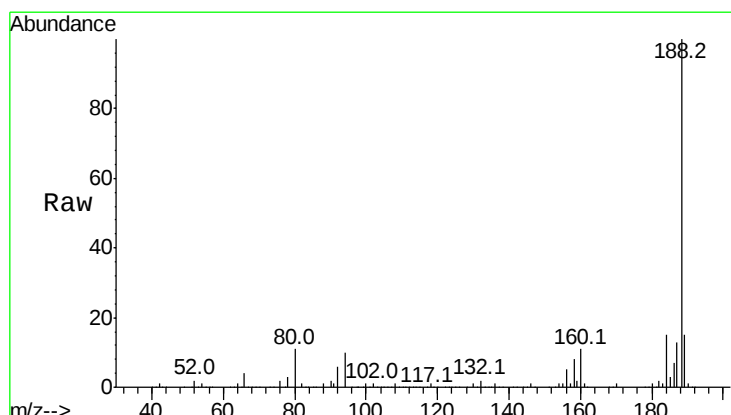
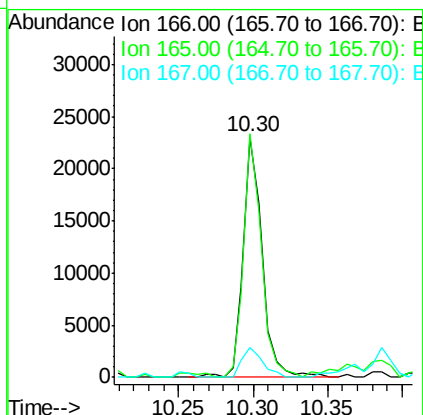
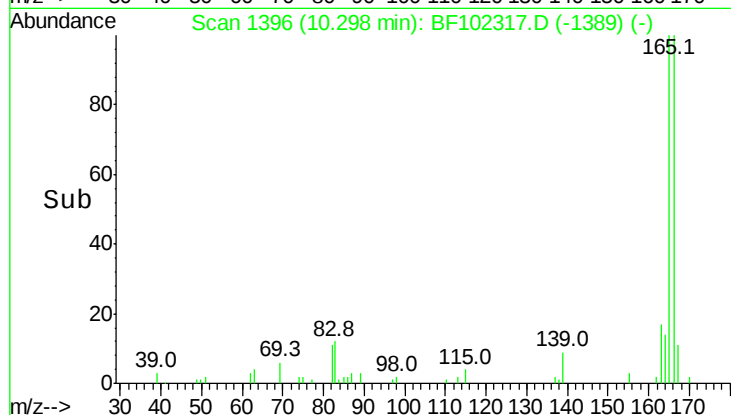




#57
 Fluorene
 Concen: 1.954 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

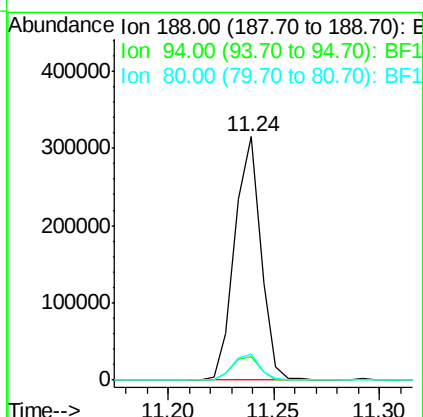
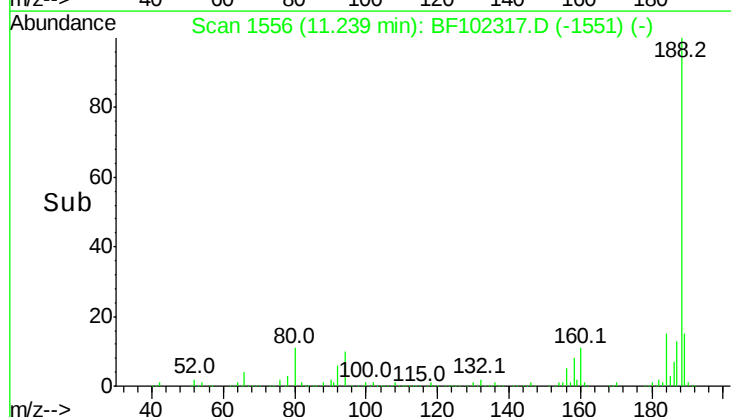
Instrument :
 BNA_F
 ClientSampleId :

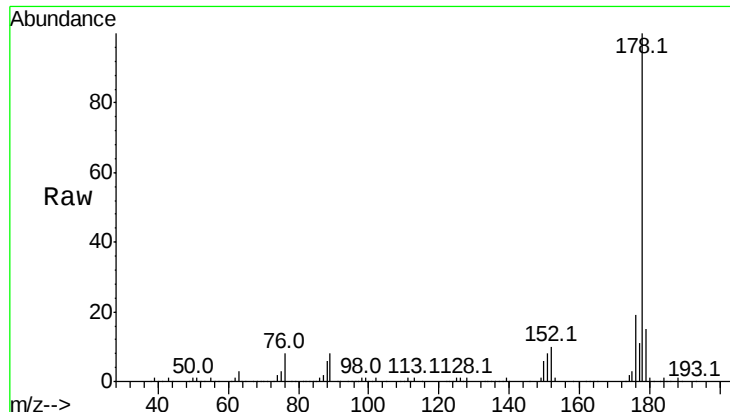
Tot Ion:166 Resp: 20441
 Ion Ratio Lower Upper
 166 100
 165 101.5 79.8 119.8
 167 12.5 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Tgt Ion:188 Resp: 269378
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 10.9 9.2 13.8

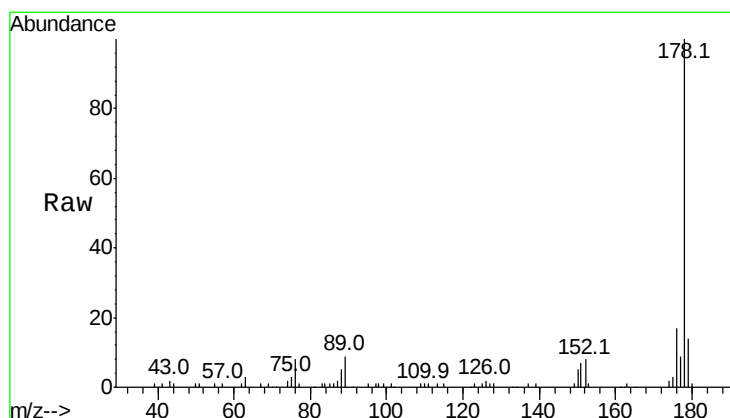
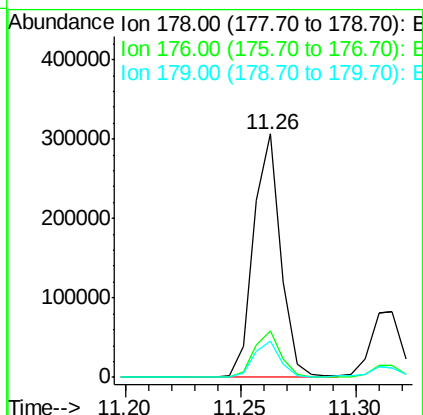
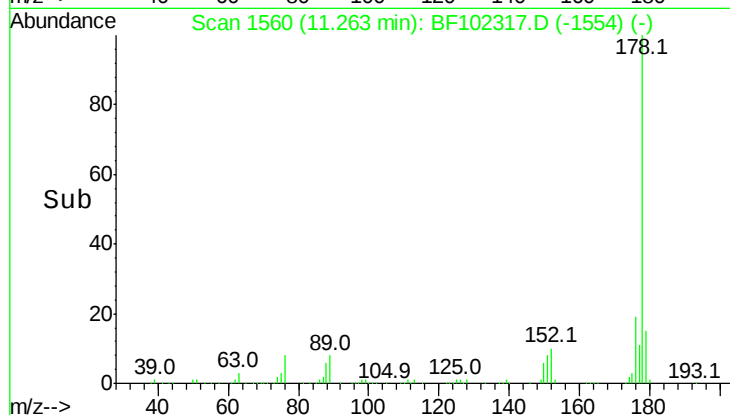




#70
 Phenanthrene
 Concen: 16.070 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

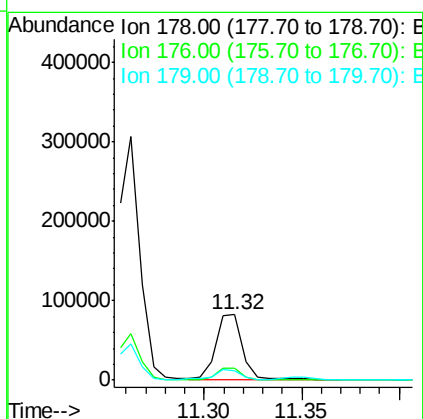
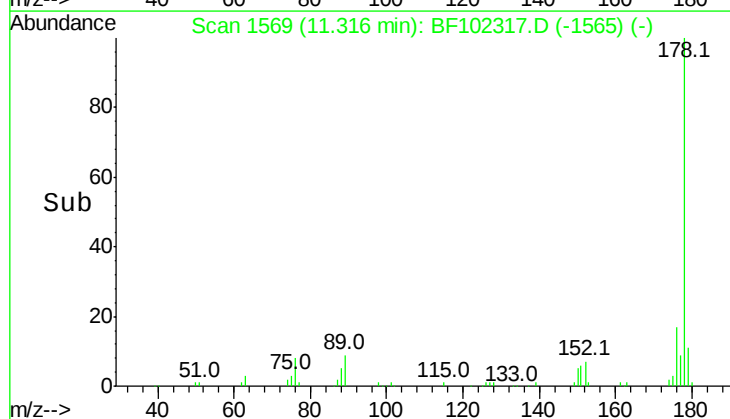
Instrument :
 BNA_F
 ClientSampleId :

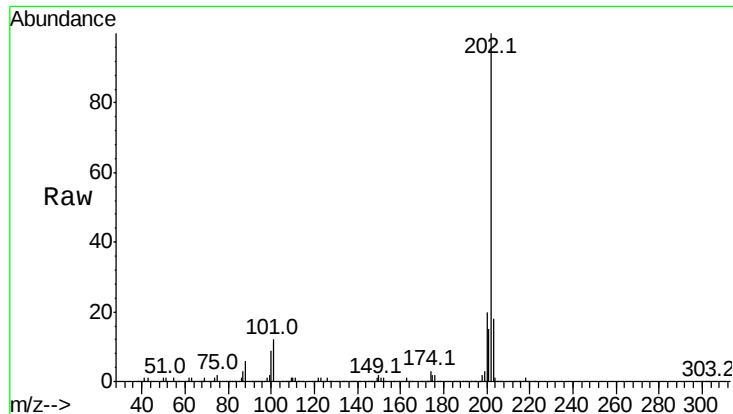
Tot Ion:178 Resp: 252255
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.8 23.8
 179 14.8 13.0 19.6



#71
 Anthracene
 Concen: 4.904 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Tgt Ion:178 Resp: 78569
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.4 23.2
 179 13.5 12.6 19.0





#74

Fluoranthene

Concen: 16.991 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

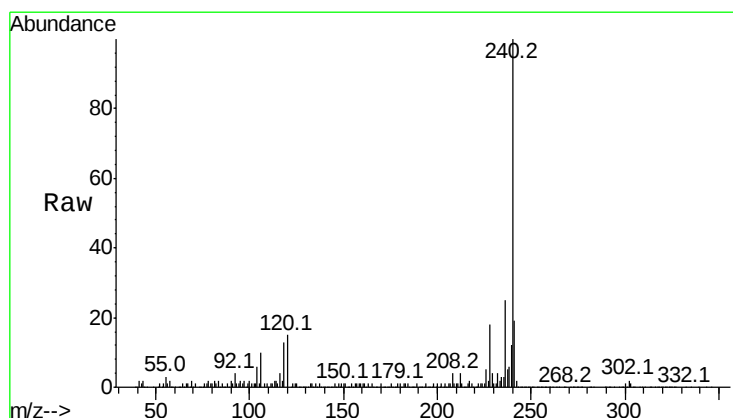
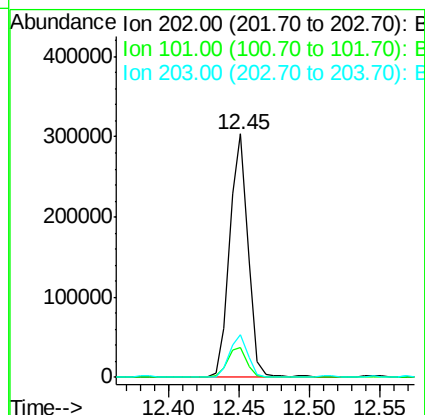
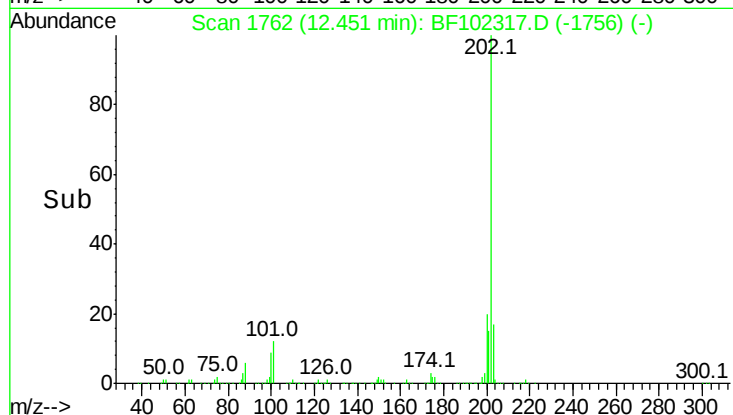
Tot Ion:202 Resp: 271985

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

203 17.6 0.0 38.1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

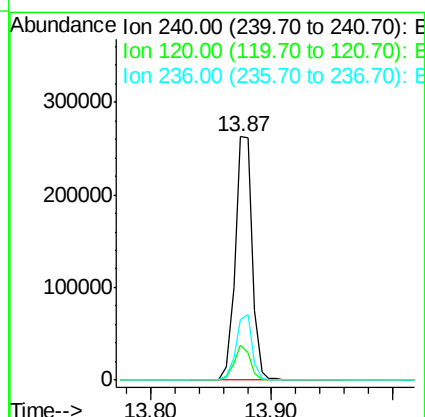
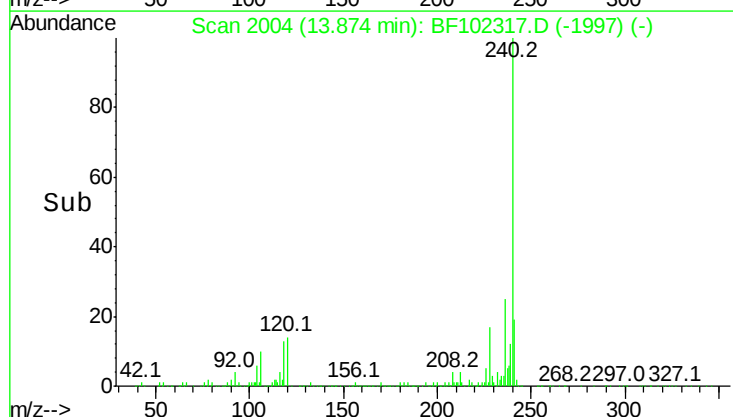
Tgt Ion:240 Resp: 259601

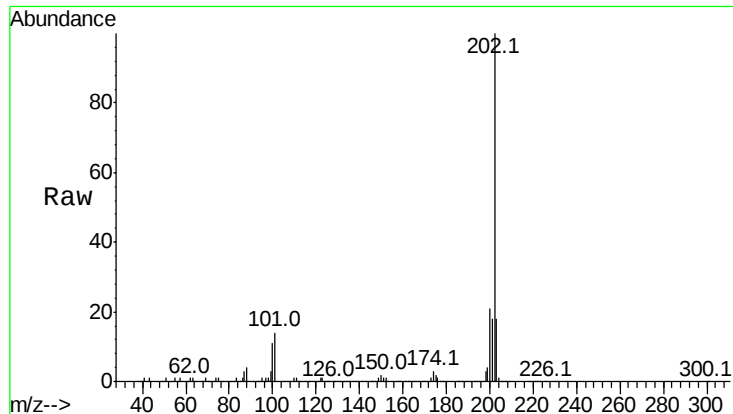
Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

236 25.0 20.7 31.1

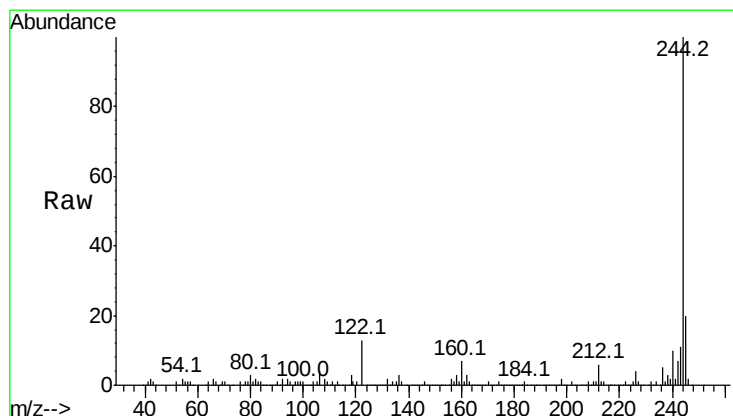
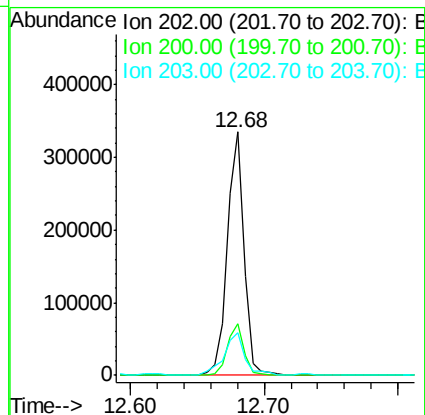
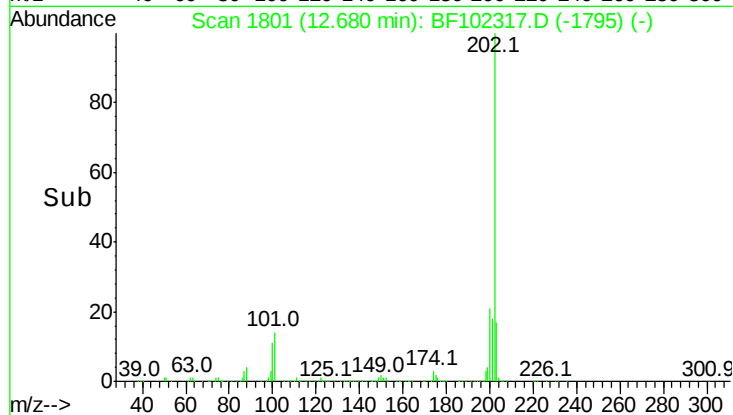




#77
 Pvrene
 Concen: 14.774 ng
 RT: 12.68 min Scan# 1801
 Delta R.T. 0.01 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

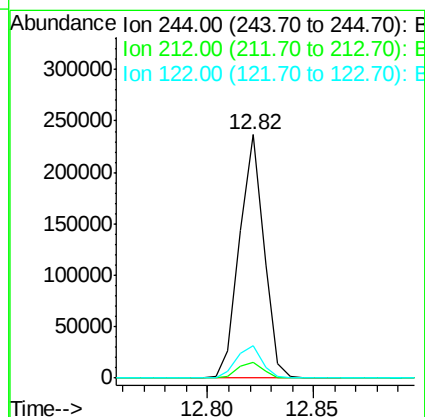
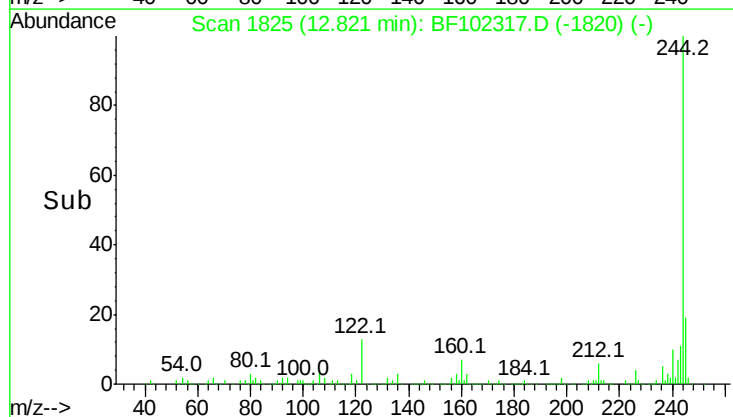
Instrument :
 BNA_F
 ClientSampleId :

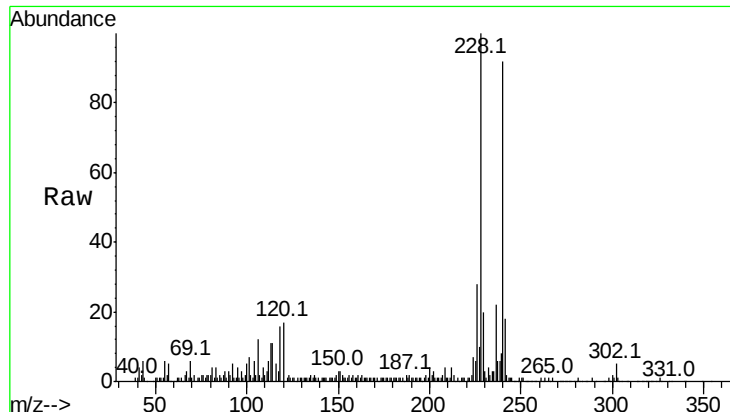
Tot Ion:202 Resp: 296539
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.4 26.2
 203 17.5 14.3 21.5



#78
 Terphenyl-d14
 Concen: 16.444 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BF102317.D
 Acq: 22 Jan 2018 23:24

Tgt Ion:244 Resp: 189361
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 13.2 11.0 16.4

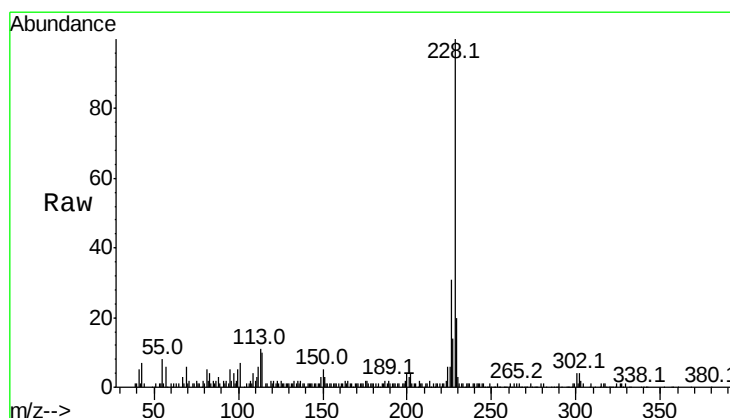
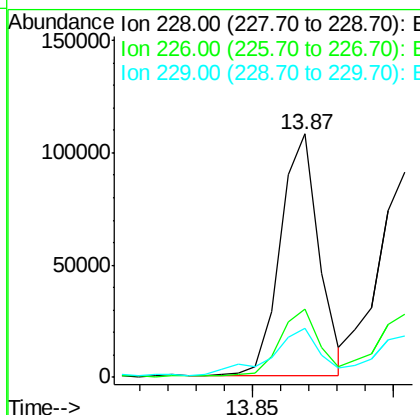
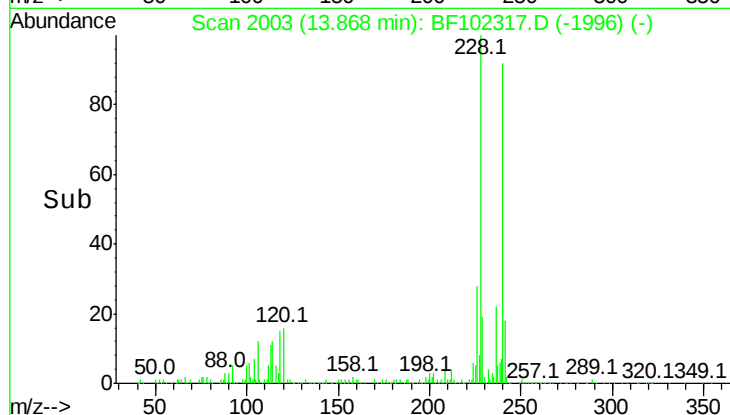




#80
Benzo(a)anthracene
Concen: 6.401 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

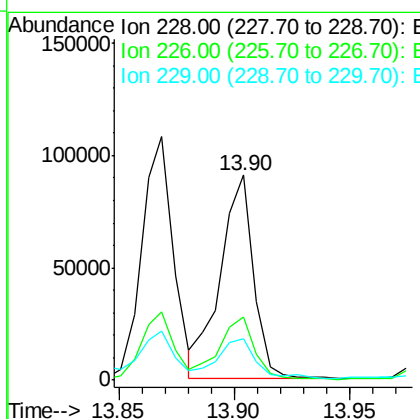
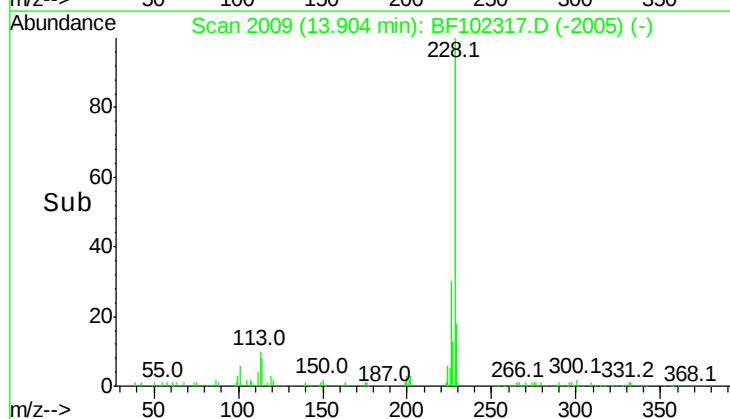
Instrument :
BNA_F
ClientSampleId :

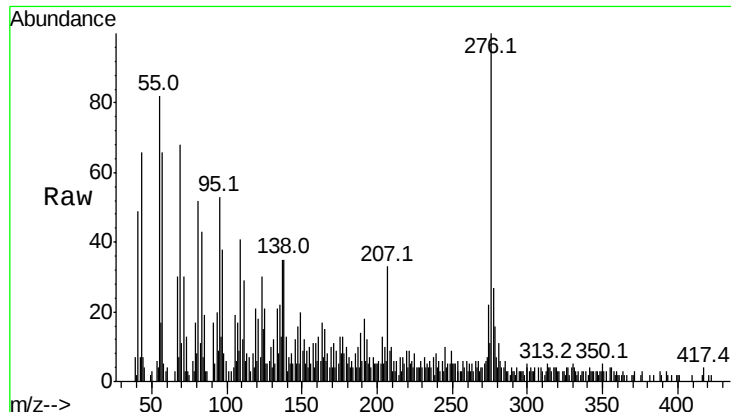
Tot Ion:228 Resp: 102304
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 20.1 15.8 23.6



#82
Chrysene
Concen: 5.626 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF102317.D
Acq: 22 Jan 2018 23:24

Tgt Ion:228 Resp: 91312
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 20.0 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 1.998 ng

RT: 16.69 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

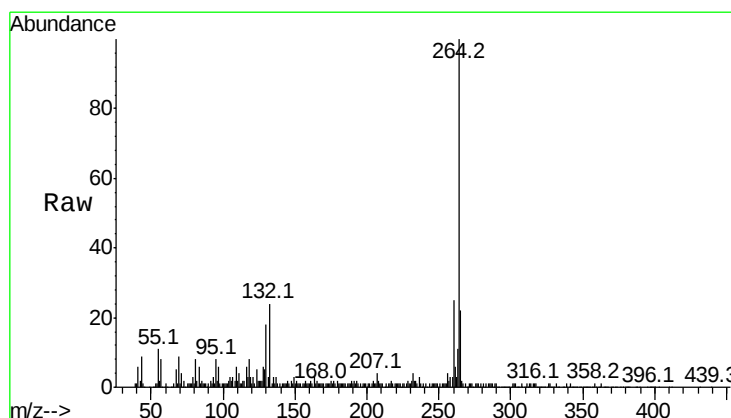
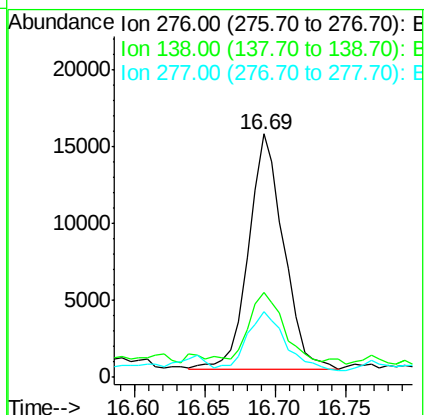
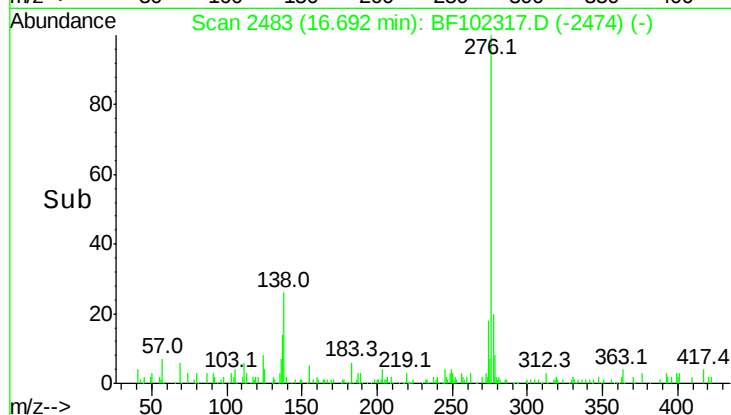
Tot Ion:276 Resp: 26775

Ion Ratio Lower Upper

276 100

138 27.3 25.0 37.6

277 27.9 20.1 30.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

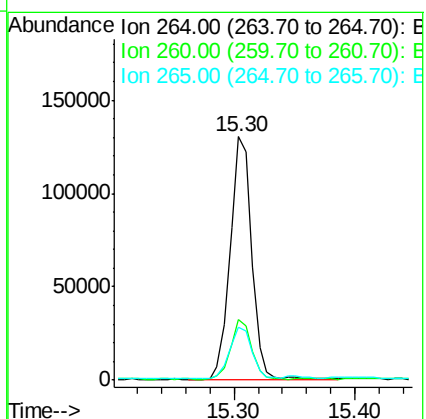
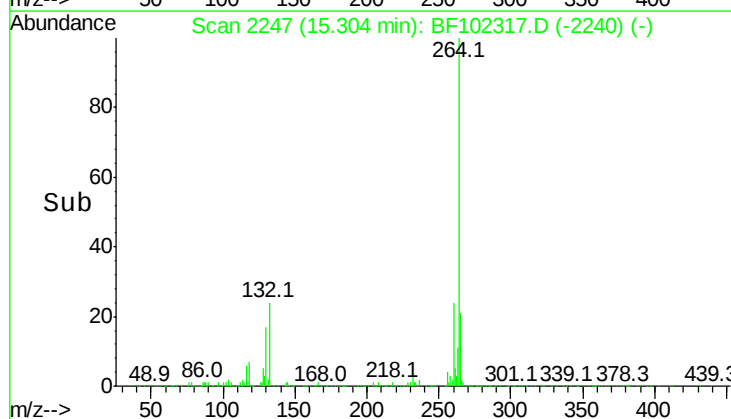
Tgt Ion:264 Resp: 161159

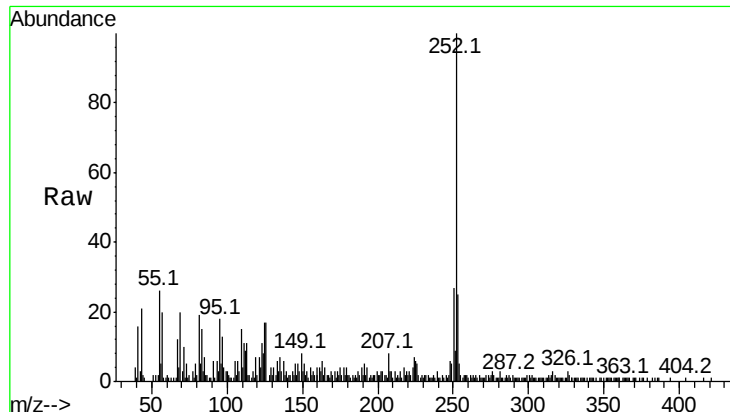
Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 8.842 ng

RT: 14.90 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

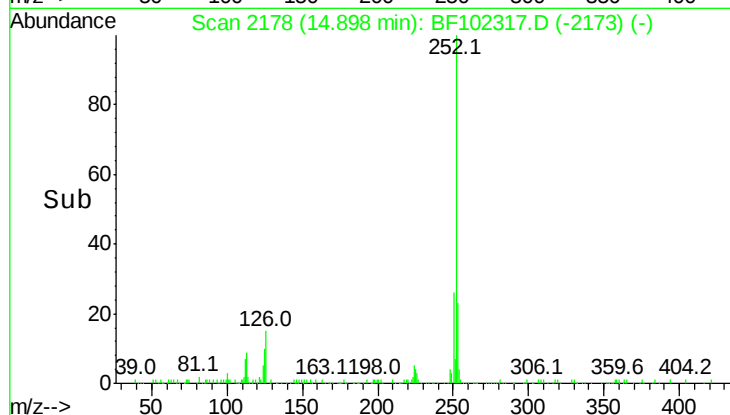
Tot Ion:252 Resp: 92363

Ion Ratio Lower Upper

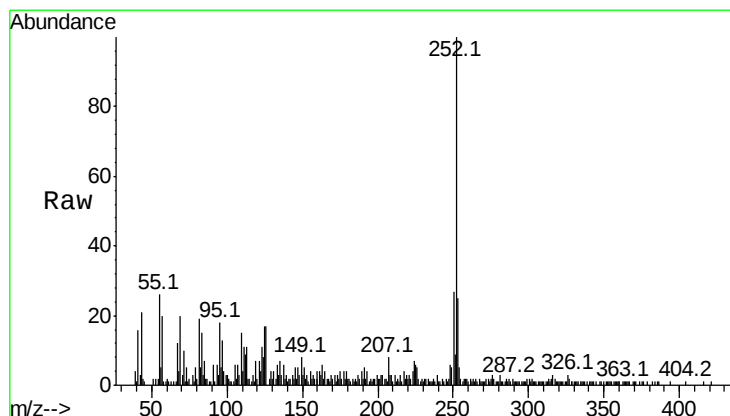
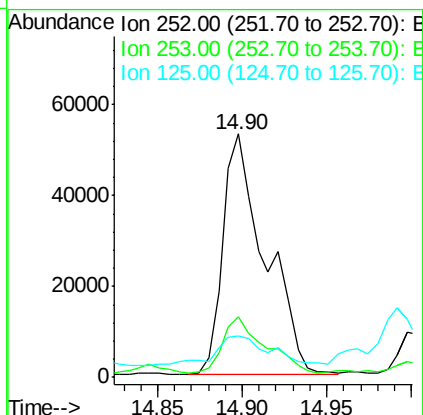
252 100

253 25.1 17.0 25.6

125 17.1 9.0 13.6#



Scan 2178 (14.898 min): BF102317.D (-2173) (-)



#88

Benzo(k)fluoranthene

Concen: 9.359 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

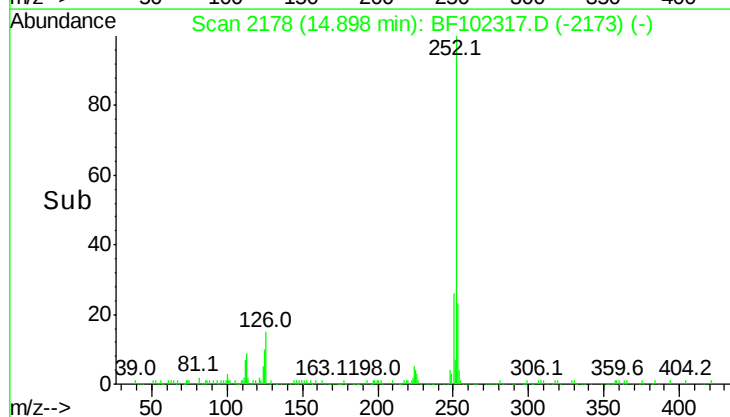
Tgt Ion:252 Resp: 92363

Ion Ratio Lower Upper

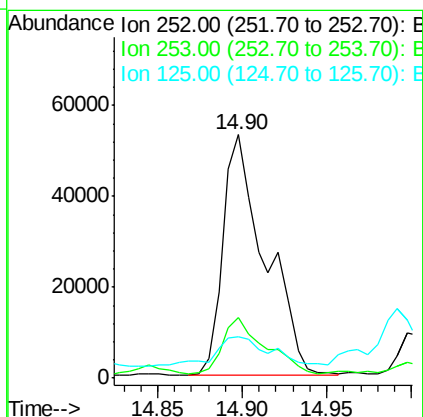
252 100

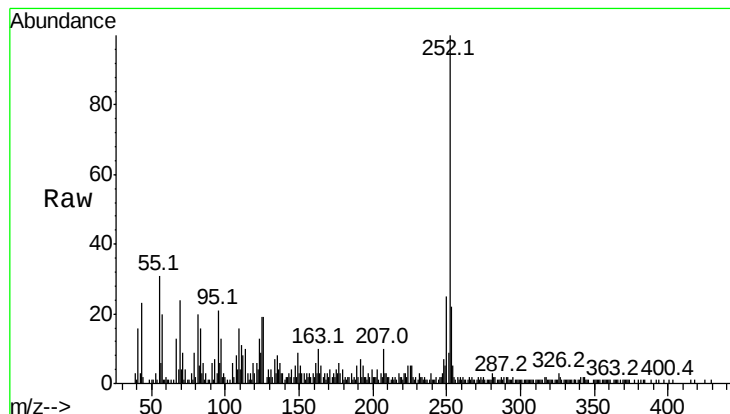
253 25.1 17.9 26.9

125 17.1 10.2 15.2#



Scan 2178 (14.898 min): BF102317.D (-2173) (-)





#89

Benzo(a)pyrene

Concen: 5.960 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Instrument :

BNA_F

ClientSampleId :

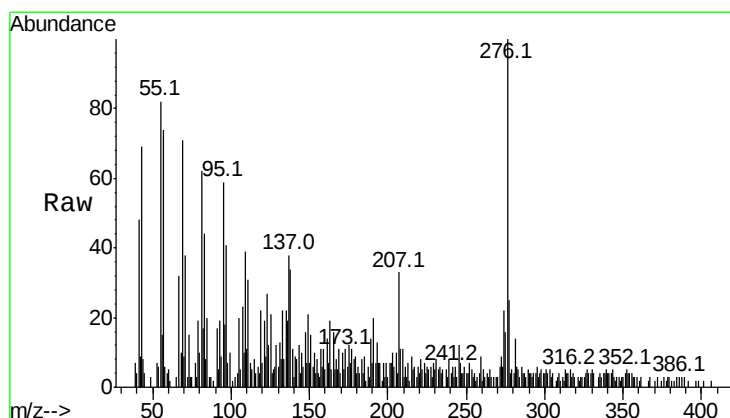
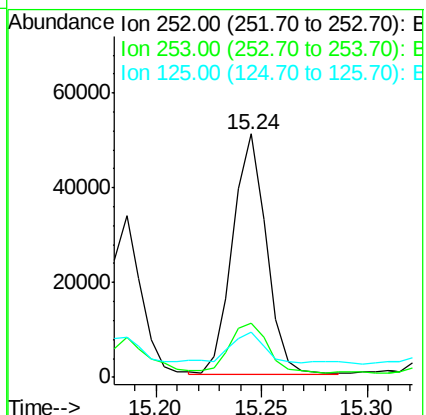
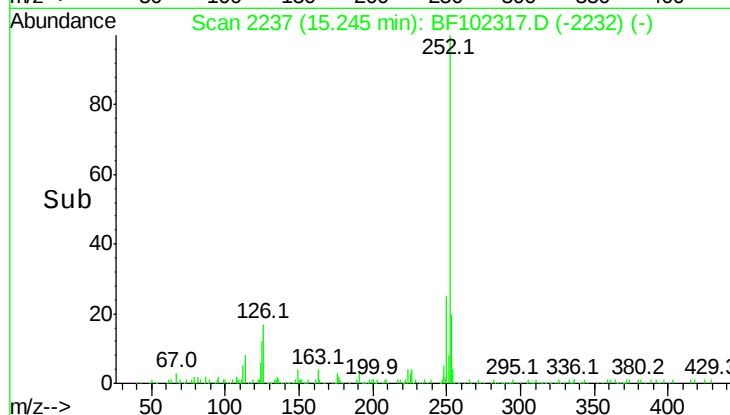
Tot Ion:252 Resp: 56144

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 18.7 9.8 14.6#



#91

Benzo(g,h,i)perylene

Concen: 3.879 ng

RT: 17.11 min Scan# 2554

Delta R.T. 0.01 min

Lab File: BF102317.D

Acq: 22 Jan 2018 23:24

Tgt Ion:276 Resp: 29228

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 34.5 21.8 32.8#

