

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104186.D
 Acq On : 3 Apr 2018 18:26
 Operator : JU/SJ
 Sample : J2182-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 01:11:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	102254	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	444582	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	212986	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	387812	20.00	ng	0.00
75) Chrysene-d12	14.15	240	285177	20.00	ng	0.00
86) Perylene-d12	15.70	264	223131	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	896560	139.83	ng	0.01
7) Phenol-d6	6.60	99	1147427	145.45	ng	0.00
23) Nitrobenzene-d5	7.53	82	684868	94.21	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	304702	128.48	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1119709	82.90	ng	0.00
78) Terphenyl-d14	13.08	244	1033109	83.65	ng	0.00

Target Compounds

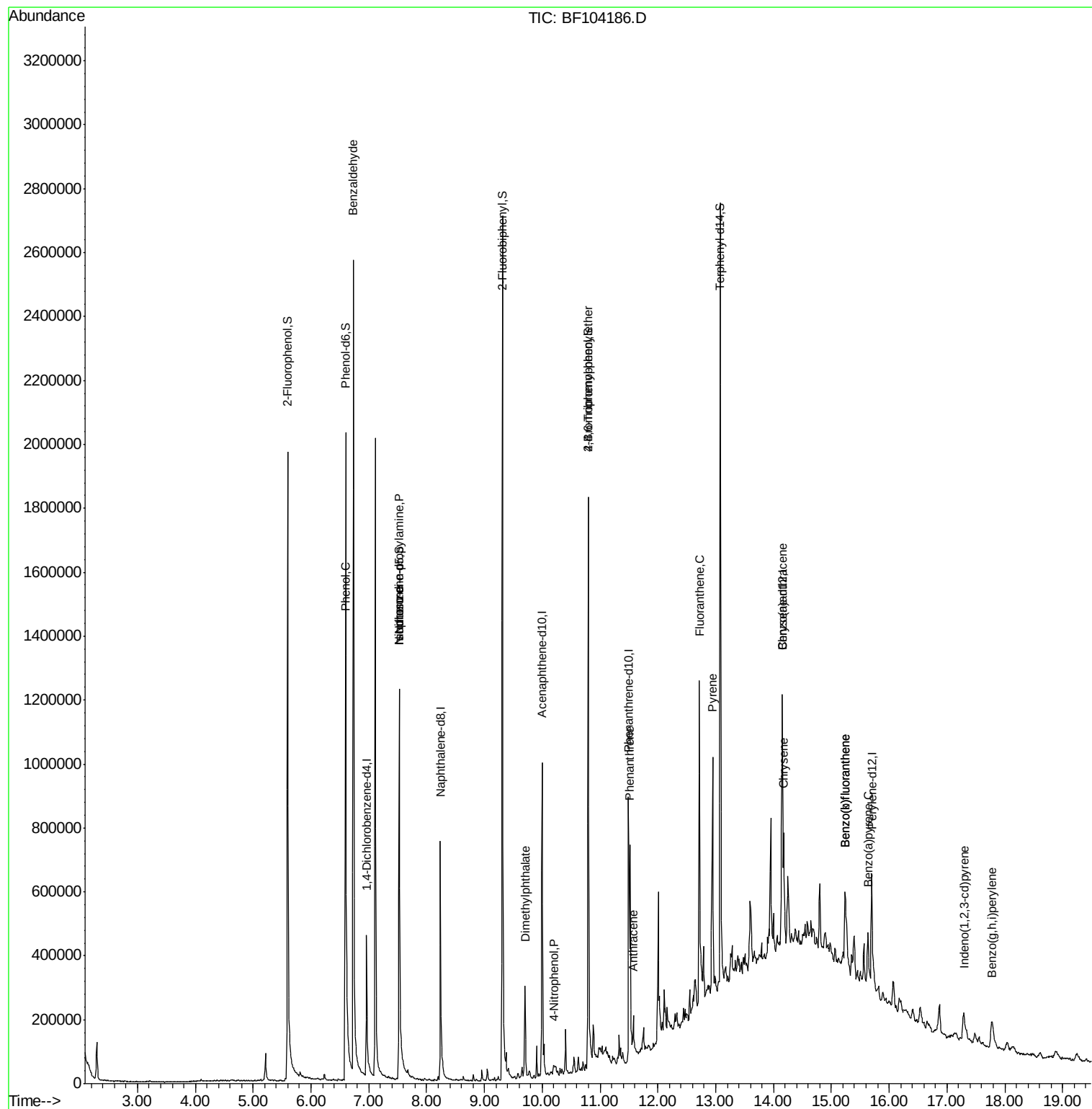
						Qvalue
9) Benzaldehyde	6.73	77	17832	2.937	ng	85
10) Phenol	6.61	94	26265	3.005	ng	# 44
19) n-Nitroso-di-n-propylamine	7.53	70	86438	18.464	ng	# 71
25) Isophorone	7.53	82	684868	51.120	ng	# 64
49) Dimethylphthalate	9.70	163	135318	8.047	ng	98
55) 4-Nitrophenol	10.21	139	7578	3.039	ng	# 18
66) 4-Bromophenyl-phenylether	10.80	248	18373	4.428	ng	# 1
70) Phenanthrene	11.52	178	292185	13.916	ng	97
71) Anthracene	11.57	178	84523	3.854	ng	96
74) Fluoranthene	12.72	202	434997	19.491	ng	97
77) Pyrene	12.94	202	370195	18.058	ng	99
80) Benzo(a)anthracene	14.14	228	176359	9.883	ng	97
82) Chrysene	14.18	228	158034	9.042	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	77673	4.289	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	230558	16.978	ng	# 93
88) Benzo(k)fluoranthene	15.24	252	230558	18.024	ng	# 96
89) Benzo(a)pyrene	15.63	252	119950	9.532	ng	# 94
91) Benzo(g,h,i)perylene	17.77	276	72790	6.246	ng	97

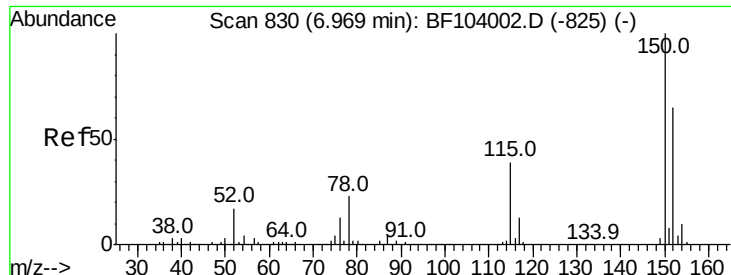
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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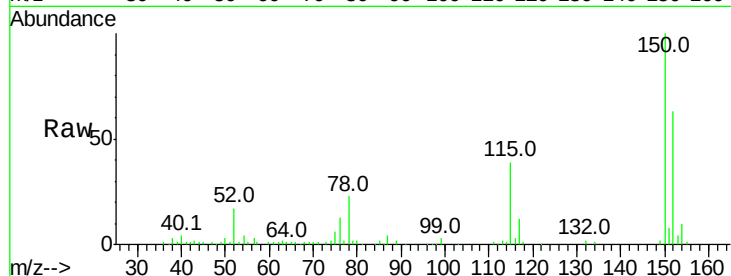


#1

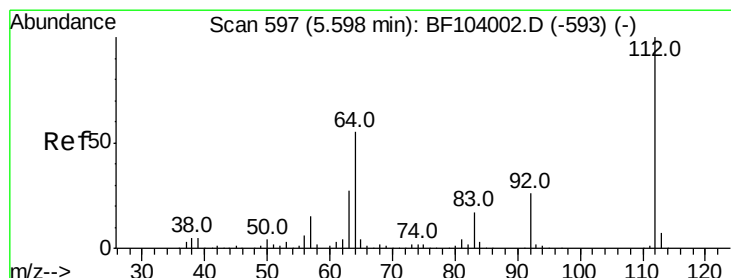
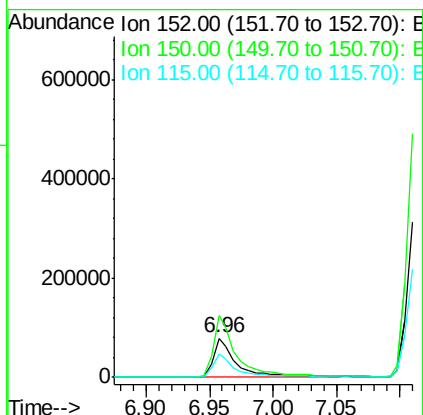
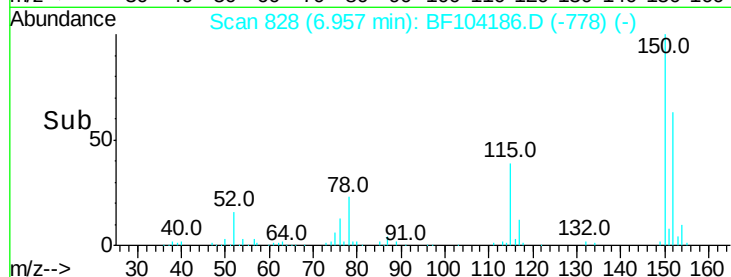
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 102254
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 61.3 50.1 75.1



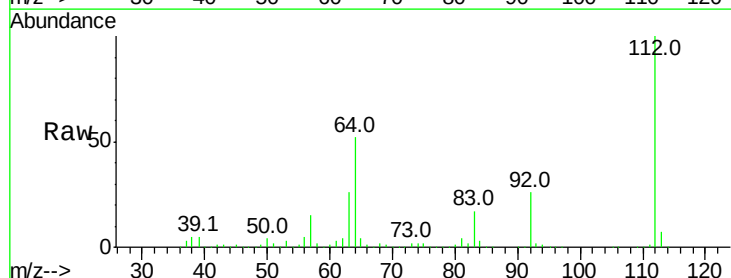
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



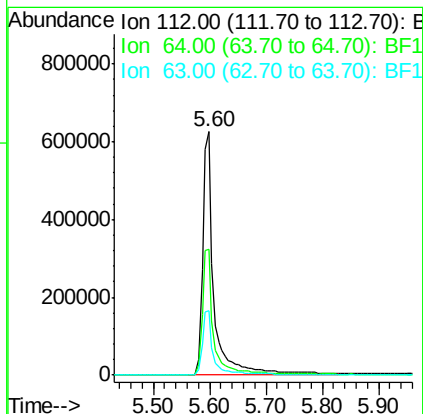
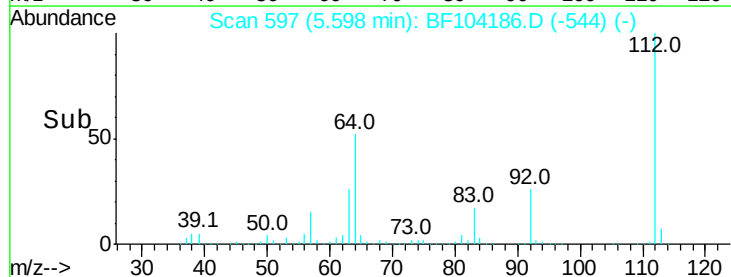
#5

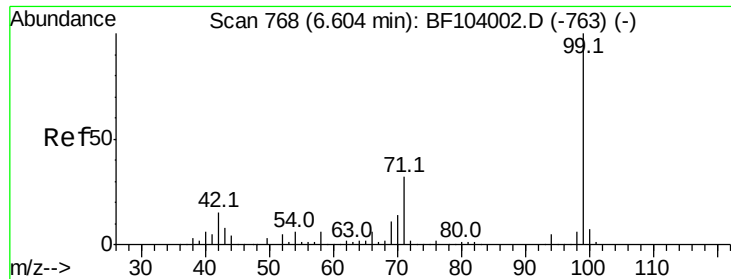
2-Fluorophenol
Concen: 139.827 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion:112 Resp: 896560
Ion Ratio Lower Upper
112 100
64 51.9 47.9 71.9
63 26.2 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: 145.454 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

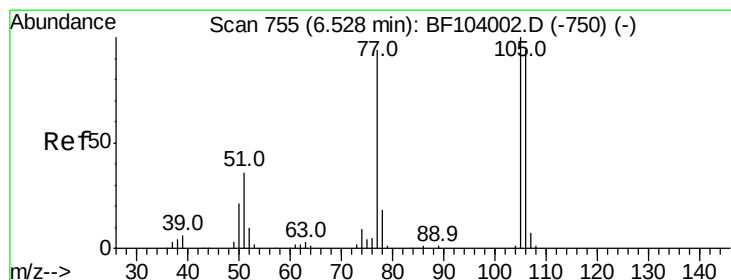
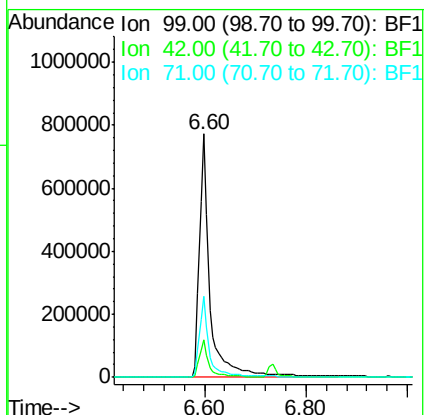
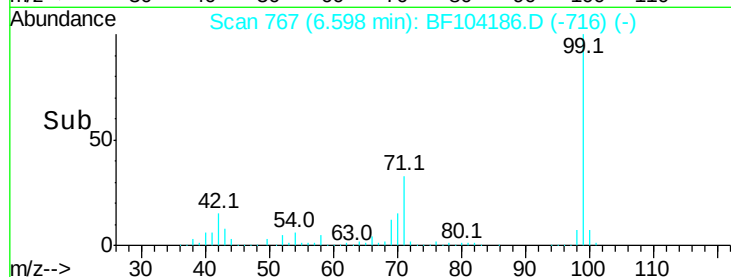
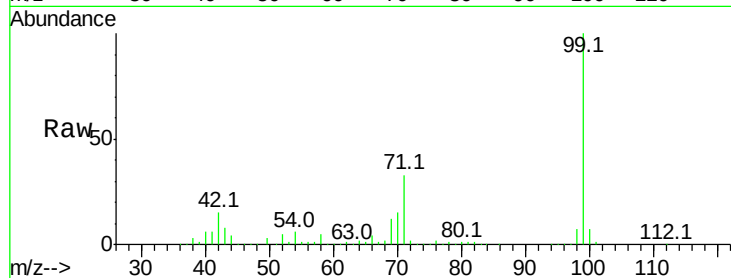
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1147427

Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	33.2	25.4	38.0



#9

Benzaldehyde

Concen: 2.937 ng

RT: 6.73 min Scan# 790

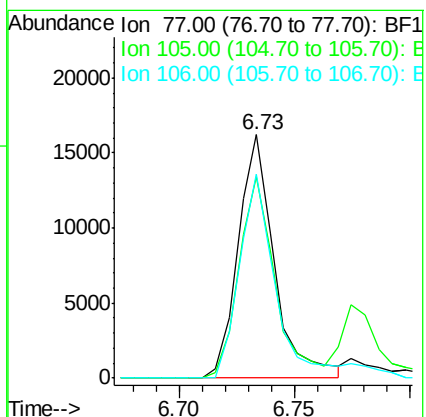
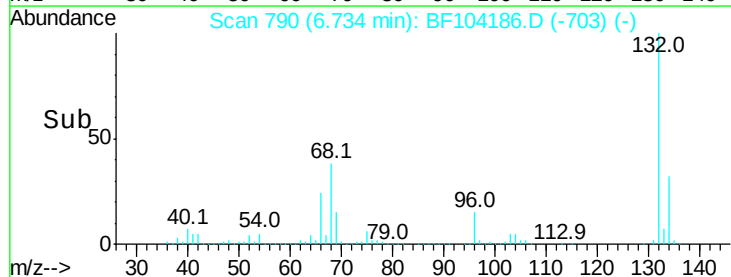
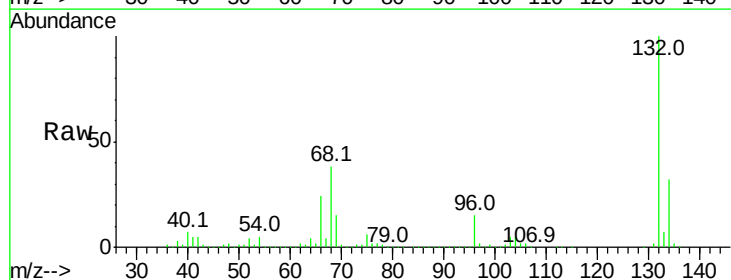
Delta R.T. 0.21 min

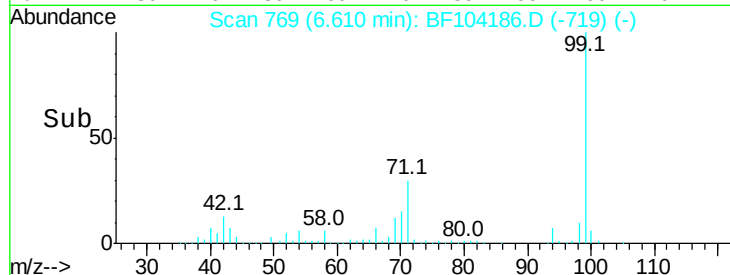
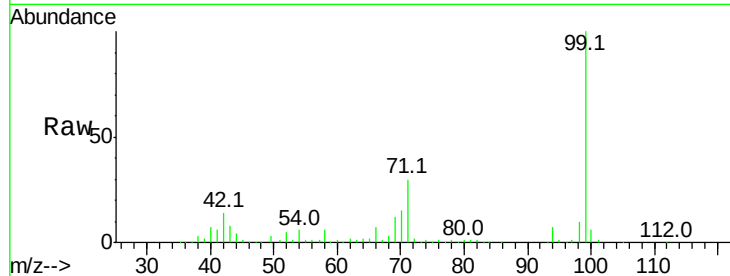
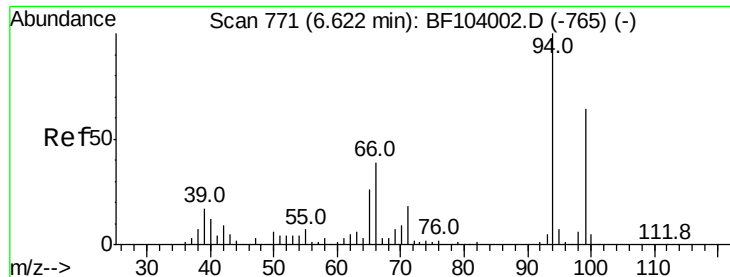
Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Tgt Ion: 77 Resp: 17832

Ion	Ratio	Lower	Upper
77	100		
105	83.0	81.1	121.1
106	84.0	74.5	114.5





#10

Phenol

Concen: 3.005 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Instrument :

BNA_F

ClientSampled :

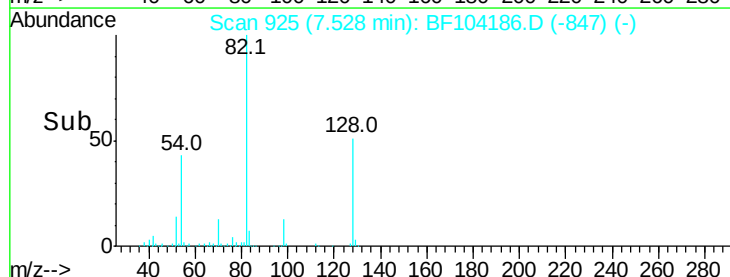
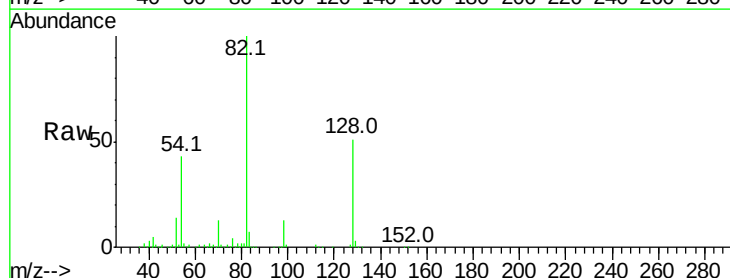
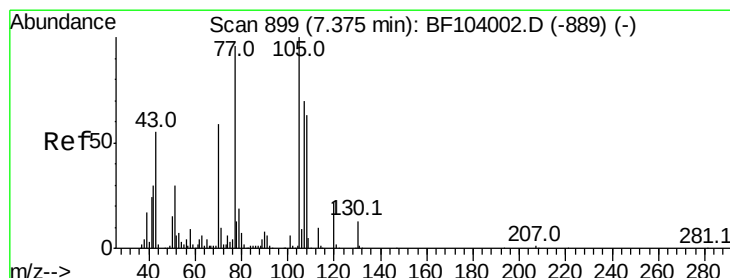
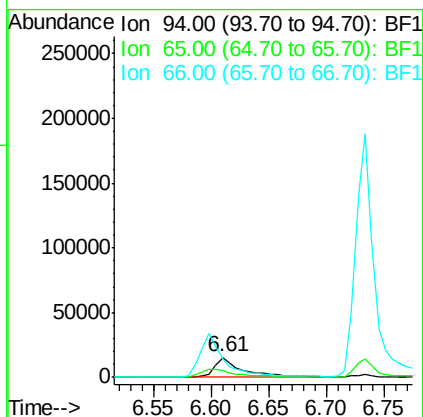
Tot Ion: 94 Resp: 26265

Ion Ratio Lower Upper

94 100

65 33.1 7.9 47.9

66 90.2 16.2 56.2#



#19

n-Nitroso-di-n-propylamine

Concen: 18.464 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.16 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Tgt Ion: 70 Resp: 86438

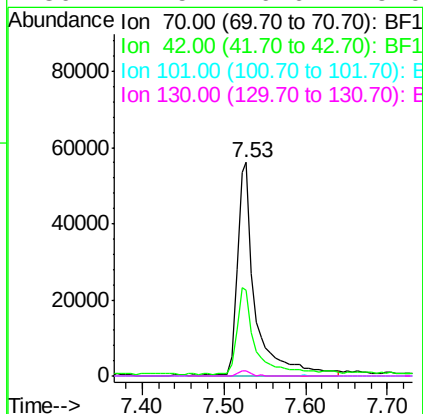
Ion Ratio Lower Upper

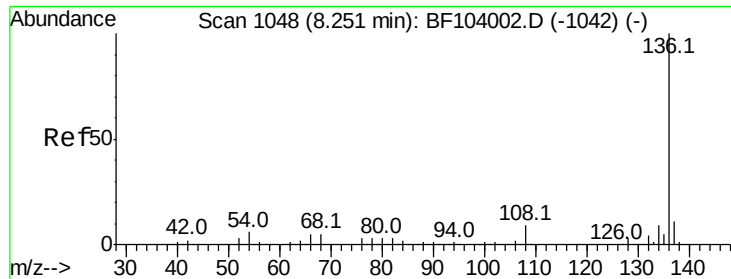
70 100

42 39.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

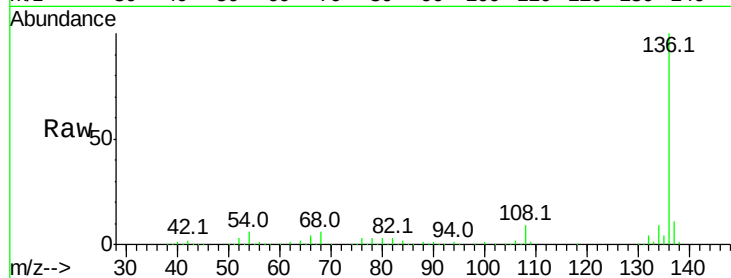




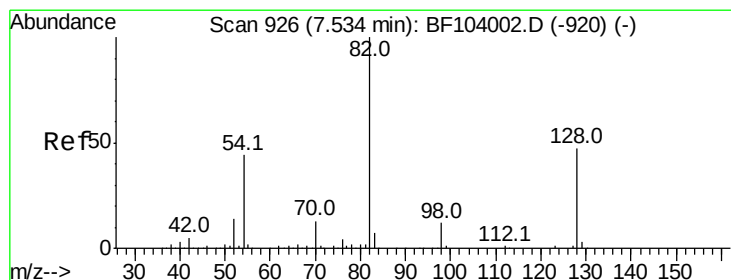
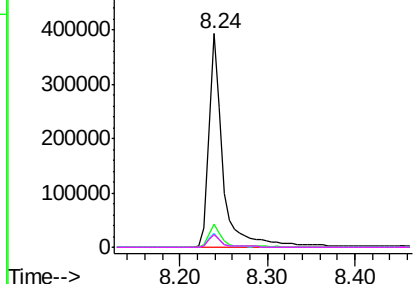
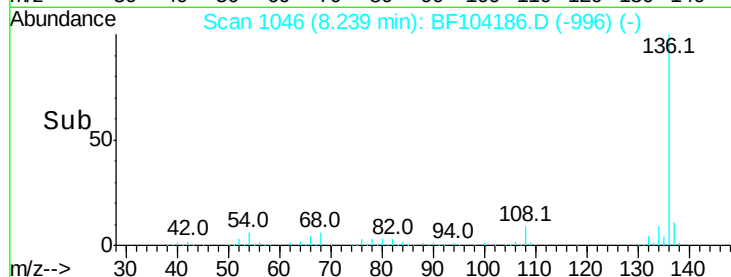
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	444582
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.4	6.6	9.8#
68	5.8	5.0	7.4

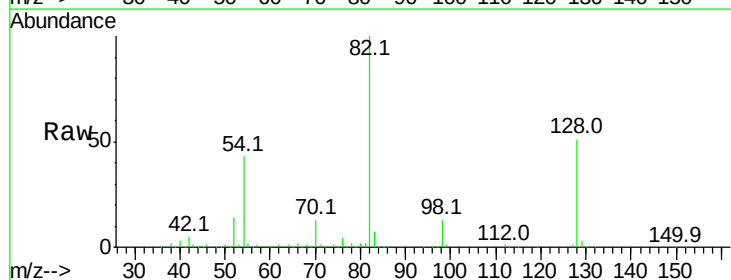


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

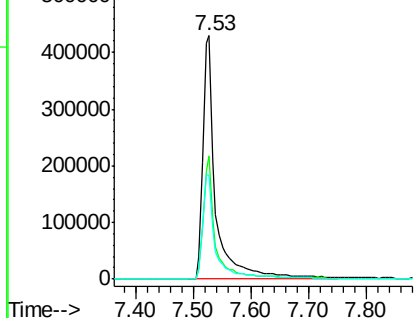
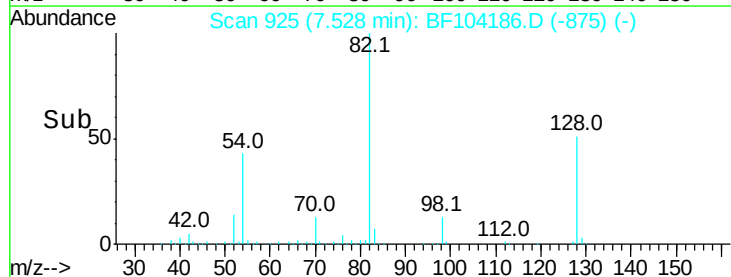


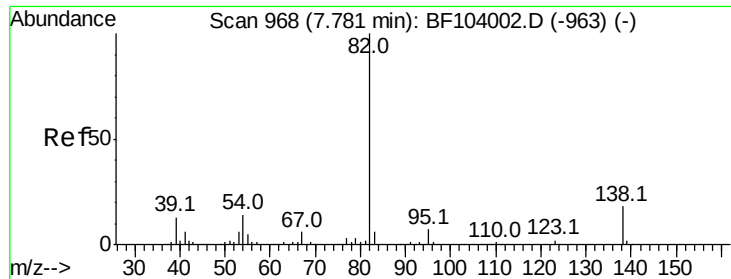
#23
Nitrobenzene-d5
Concen: 94.209 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion:	82	Resp:	684868
Ion	Ratio	Lower	Upper
82	100		
128	50.6	36.1	54.1
54	42.8	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

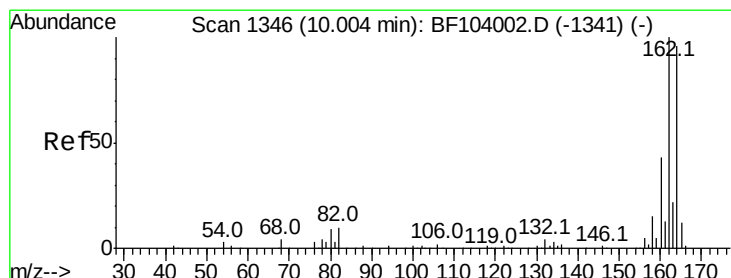
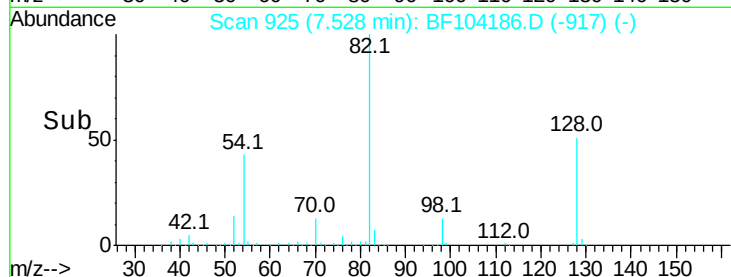
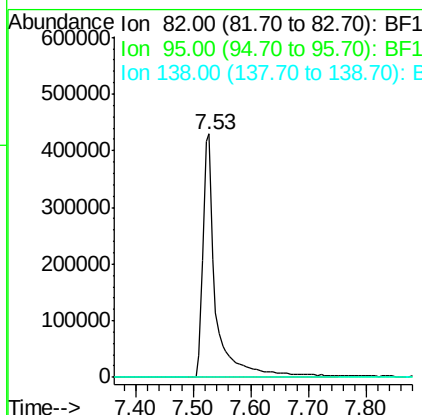
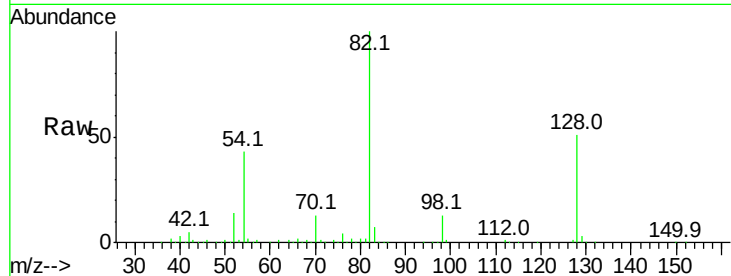




#25
Isophorone
Concen: 51.120 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.25 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

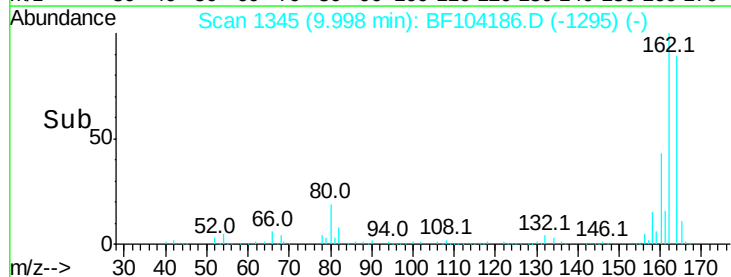
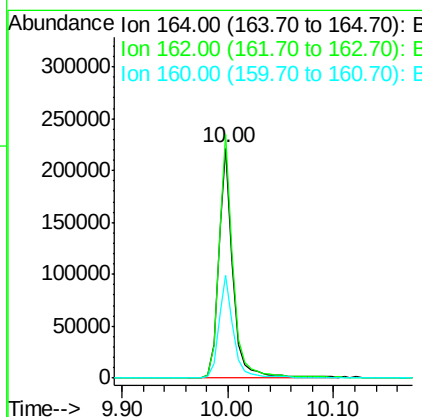
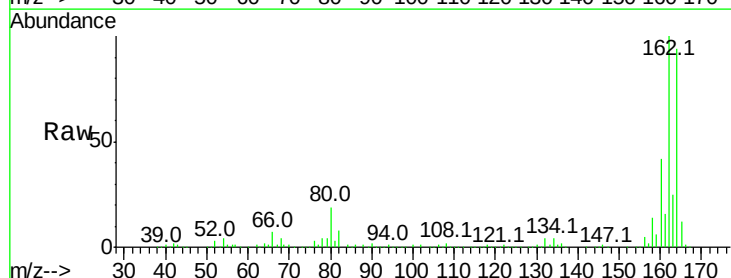
Instrument :
BNA_F
ClientSampleId :

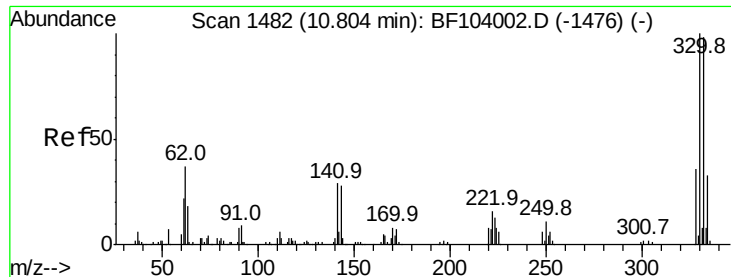
Tot Ion: 82 Resp: 684868
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion:164 Resp: 212986
Ion Ratio Lower Upper
164 100
162 106.0 86.1 129.1
160 44.9 38.3 57.5

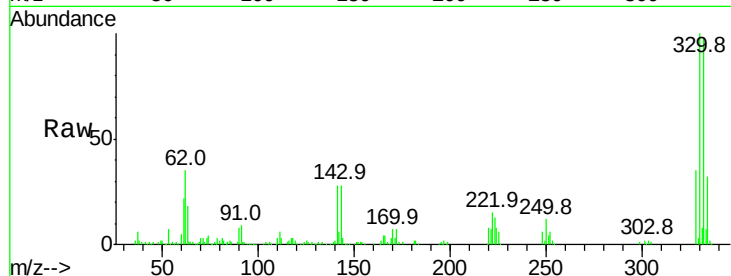




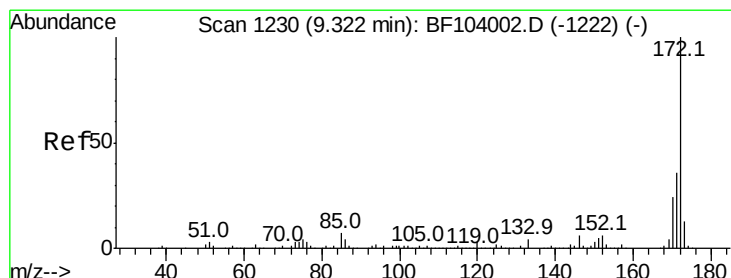
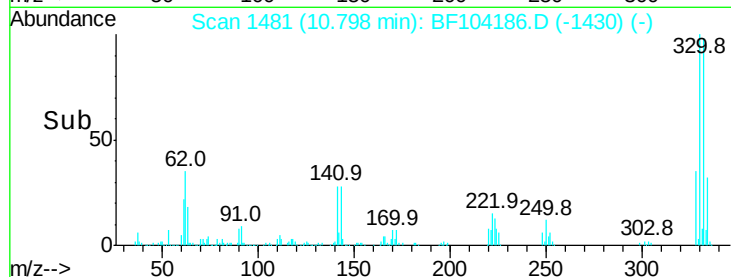
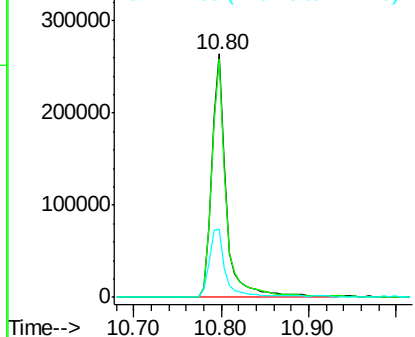
#41
 2,4,6-Tribromophenol
 Concen: 128.479 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF104186.D
 Acq: 3 Apr 2018 18:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 304702
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 30.7 29.9 44.9

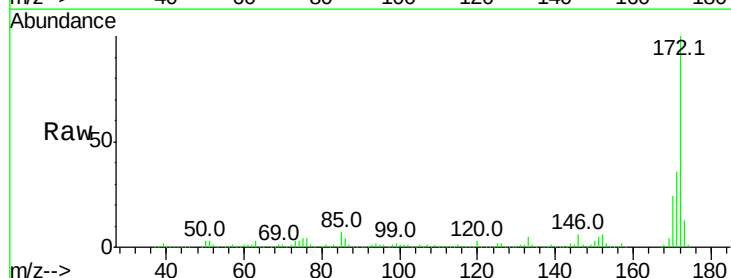


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

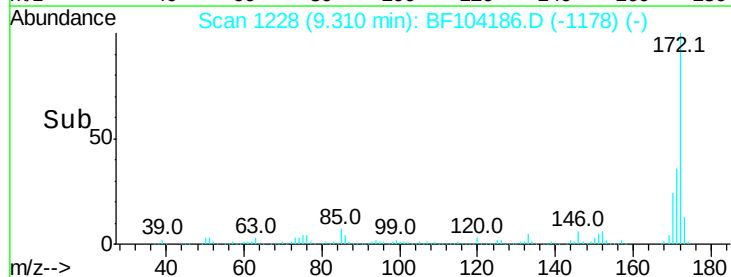
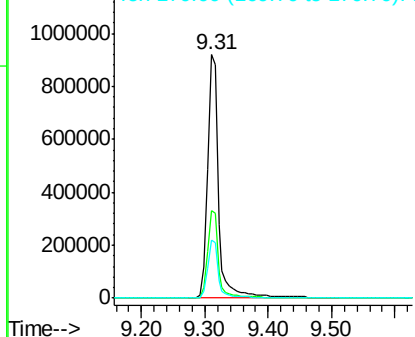


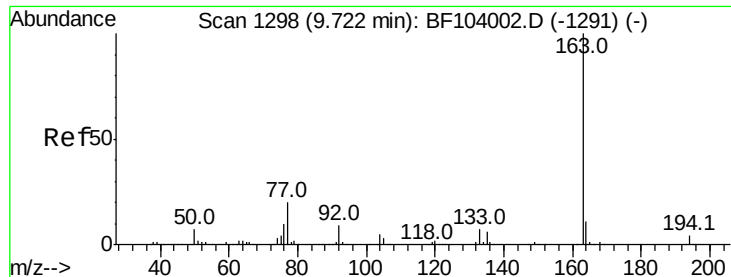
#44
 2-Fluorobiphenyl
 Concen: 82.902 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104186.D
 Acq: 3 Apr 2018 18:26

Tgt Ion:172 Resp: 1119709
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.9 19.6 29.4



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

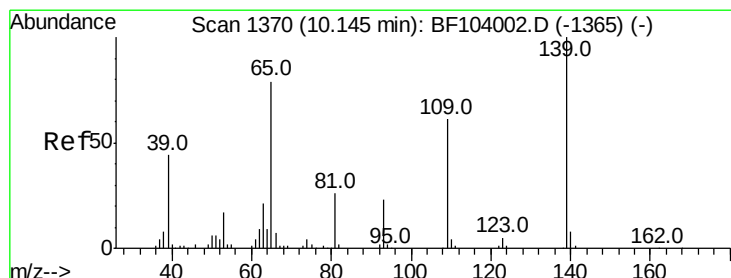
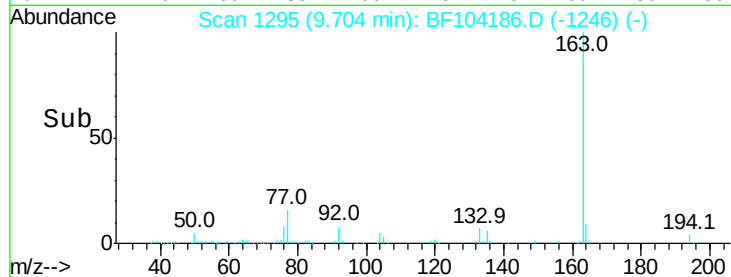
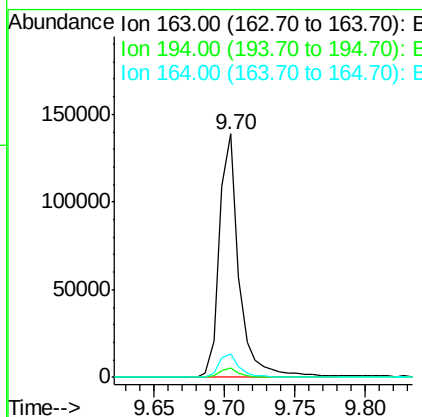
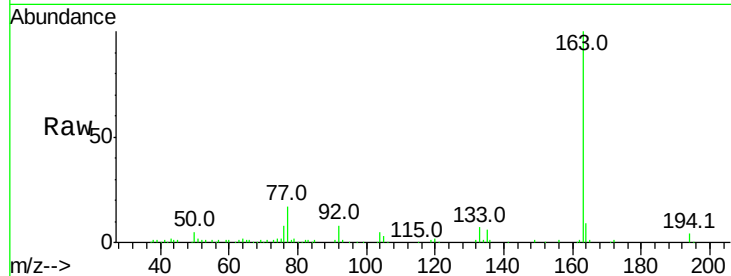




#49
Dimethylphthalate
Concen: 8.047 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

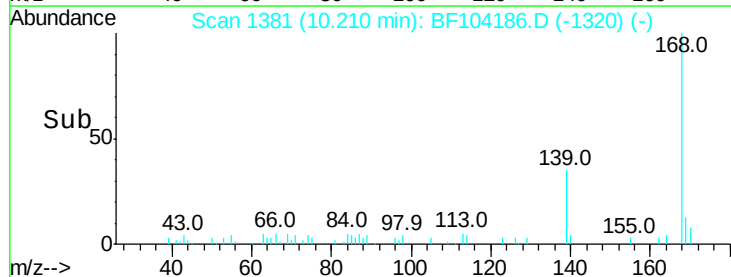
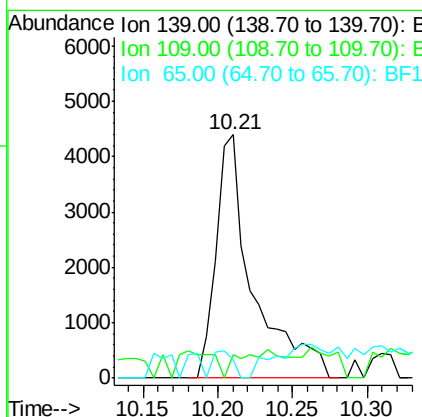
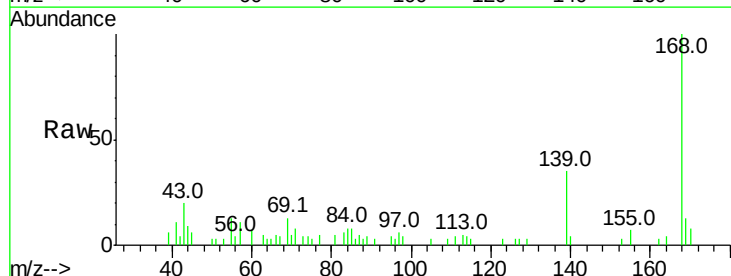
Instrument :
BNA_F
ClientSampleId :

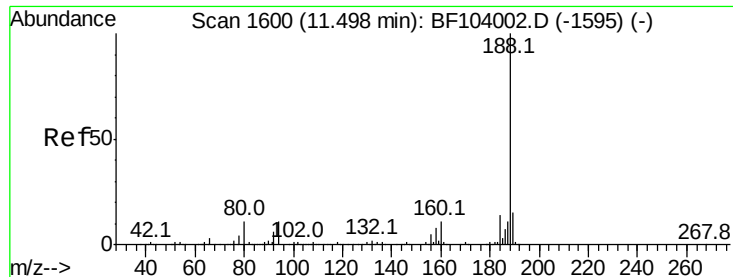
Tot Ion:163 Resp: 135318
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.5 8.2 12.2



#55
4-Nitrophenol
Concen: 3.039 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.06 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion:139 Resp: 7578
Ion Ratio Lower Upper
139 100
109 9.6 48.4 88.4#
65 7.6 72.6 112.6#

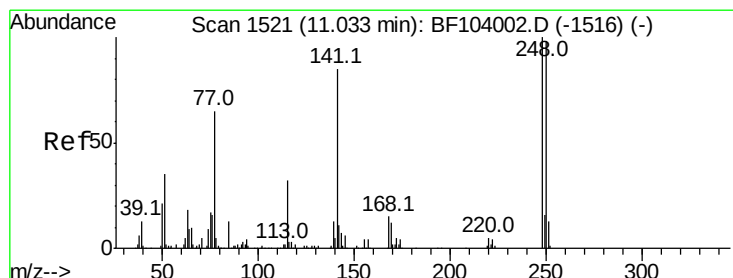
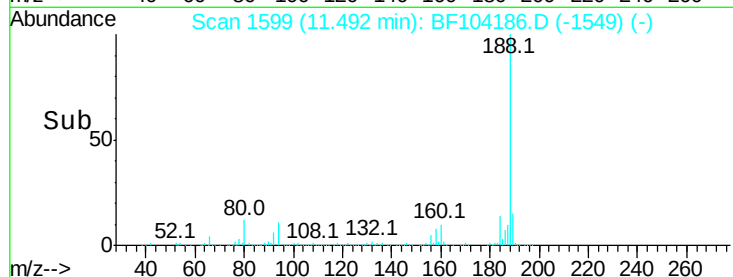
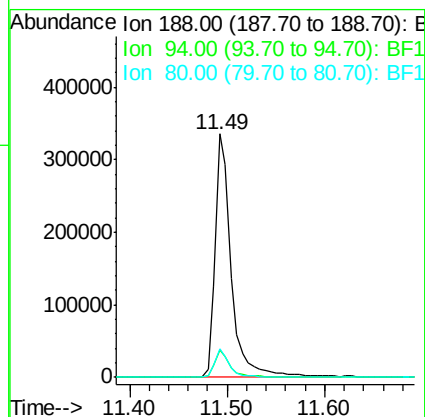
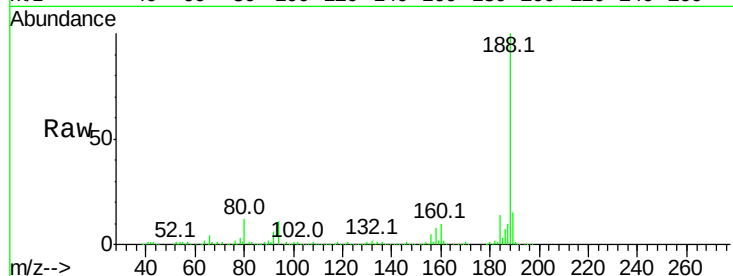




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

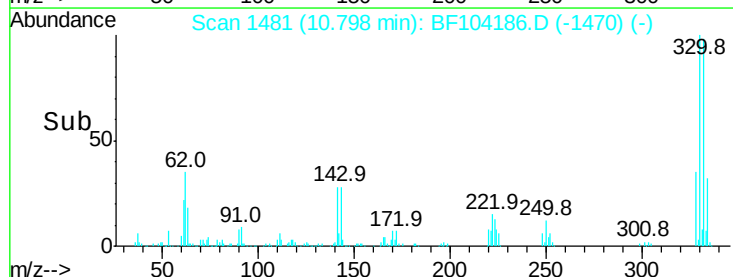
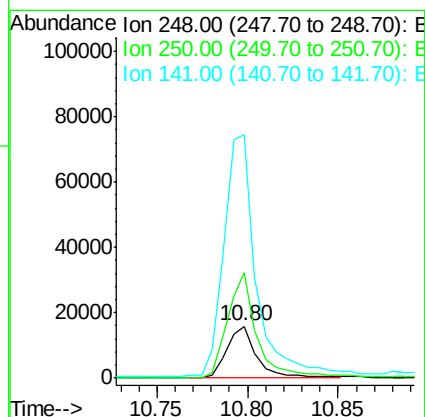
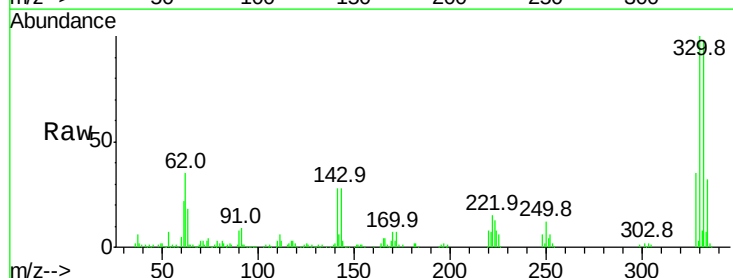
Instrument :
BNA_F
ClientSampleId :

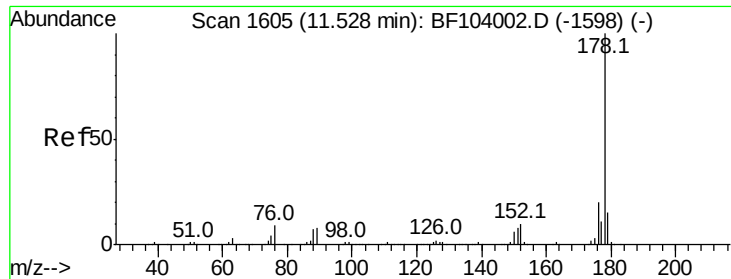
Tot Ion:188 Resp: 387812
Ion Ratio Lower Upper
188 100
94 11.0 8.5 12.7
80 11.7 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 4.428 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.24 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion:248 Resp: 18373
Ion Ratio Lower Upper
248 100
250 202.2 76.9 115.3#
141 467.9 74.4 111.6#





#70

Phenanthrene

Concen: 13.916 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

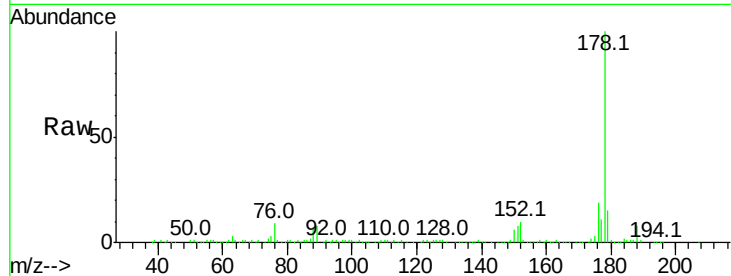
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 292185

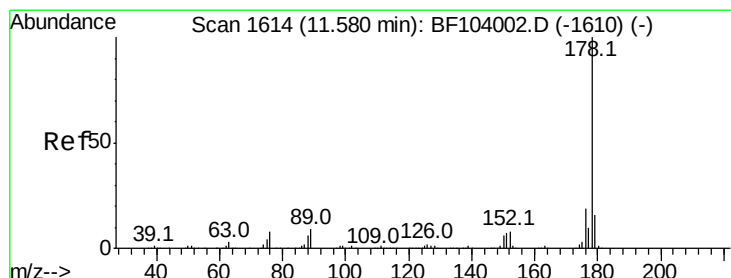
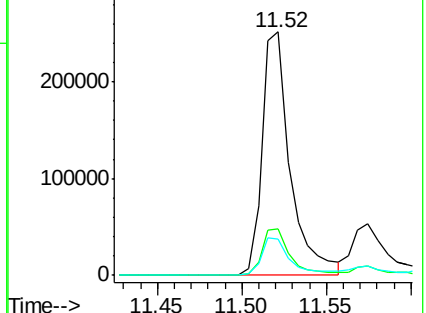
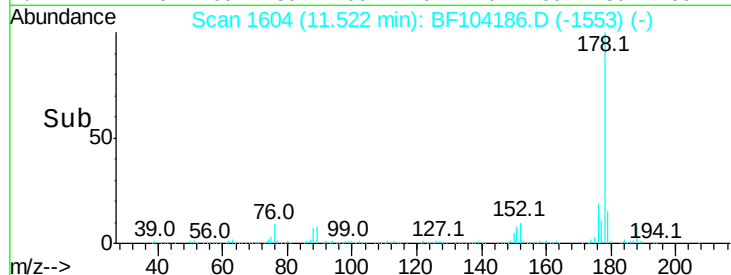
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	14.8	13.0	19.6



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: 3.854 ng

RT: 11.57 min Scan# 1613

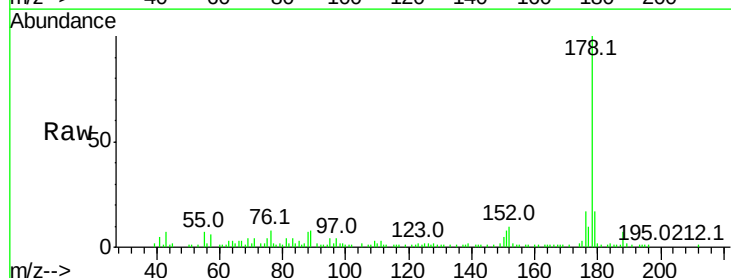
Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Tgt Ion:178 Resp: 84523

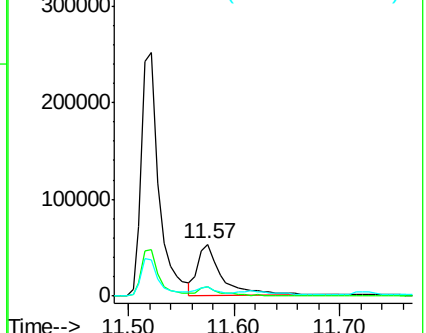
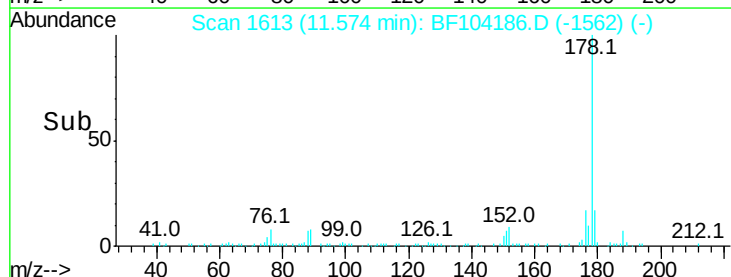
Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.2
179	17.0	12.6	19.0

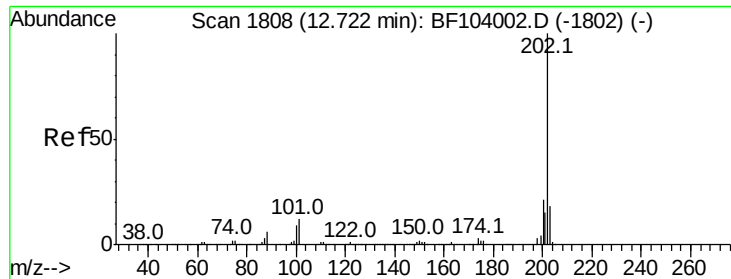


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

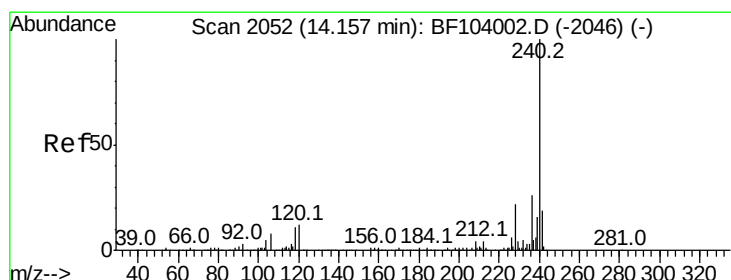
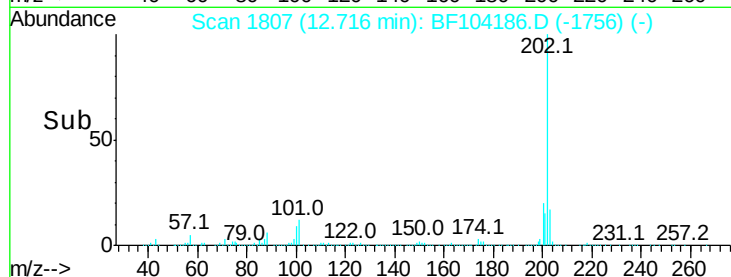
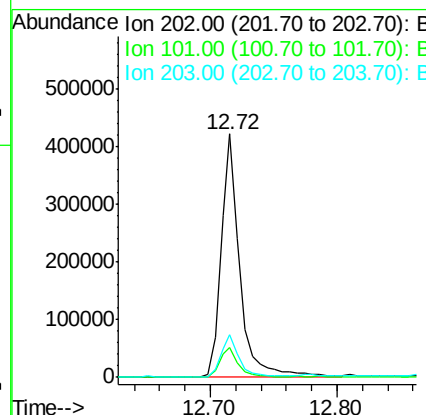
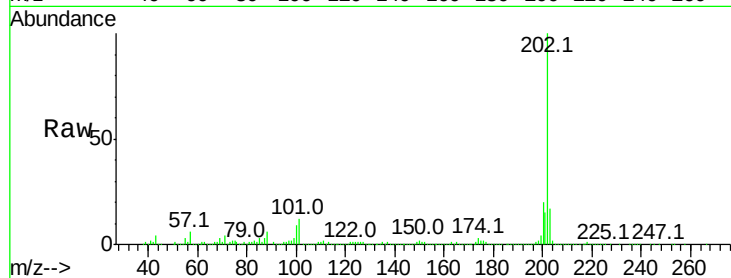




#74
 Fluoranthene
 Concen: 19.491 ng
 RT: 12.72 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: BF104186.D
 Acq: 3 Apr 2018 18:26

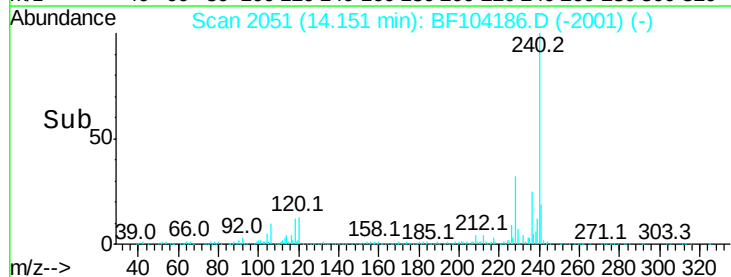
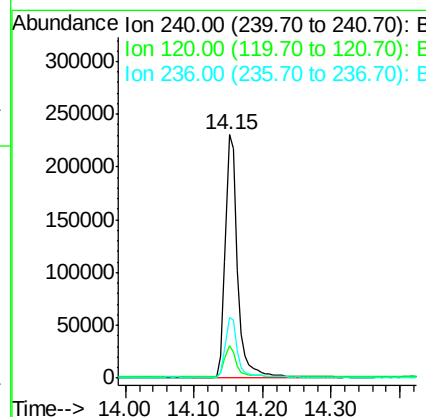
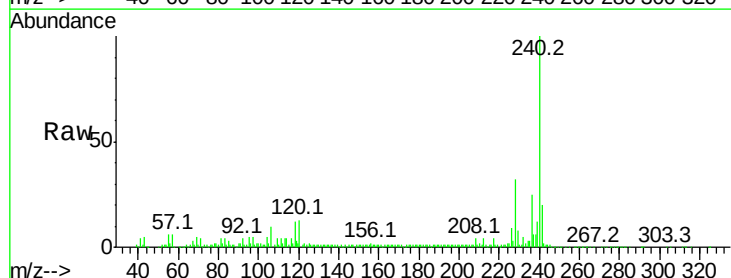
Instrument :
 BNA_F
 ClientSampleId :

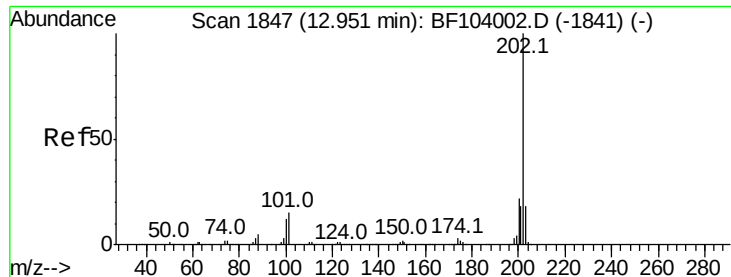
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	34.1
203	17.4	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: BF104186.D
 Acq: 3 Apr 2018 18:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	9.5	14.3
236	25.1	20.7	31.1





#77

Pvrene

Concen: 18.058 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Instrument :

BNA_F

ClientSampleId :

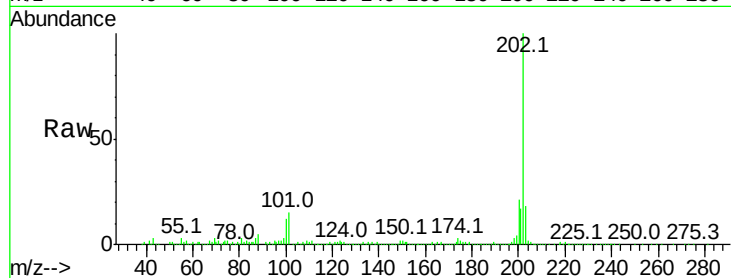
Tot Ion:202 Resp: 370195

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

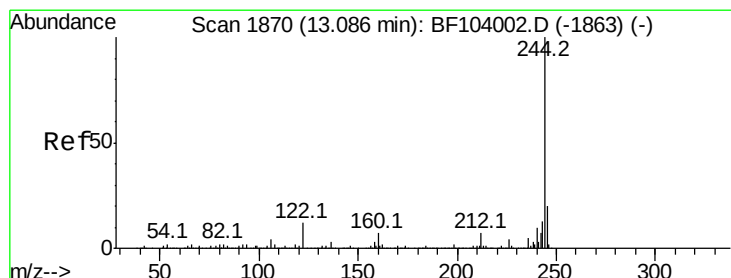
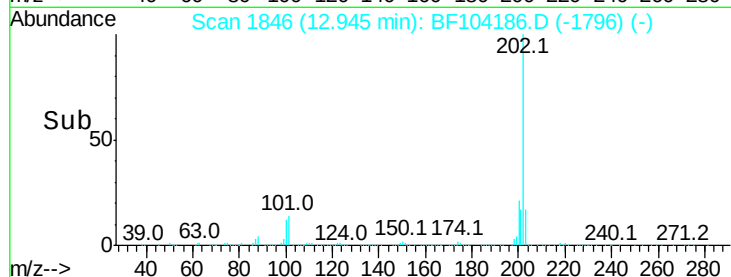
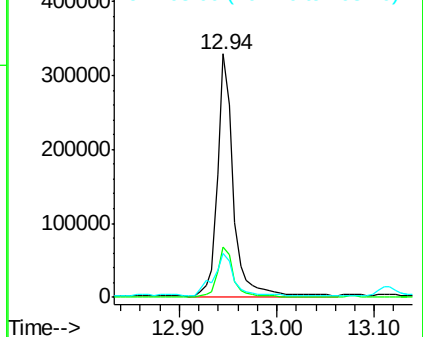
203 17.9 14.3 21.5



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: 83.646 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

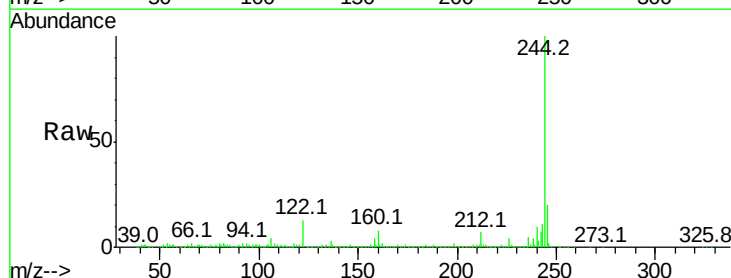
Tgt Ion:244 Resp: 1033109

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

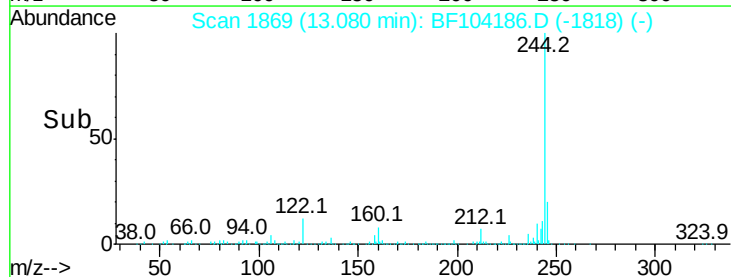
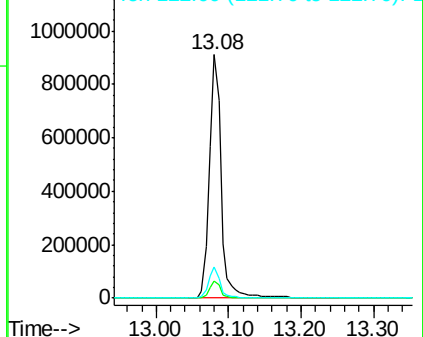
122 12.5 11.0 16.4

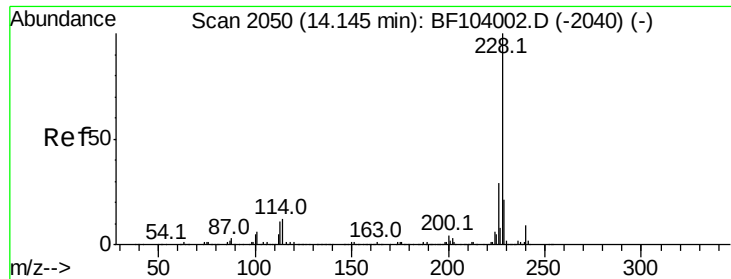


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

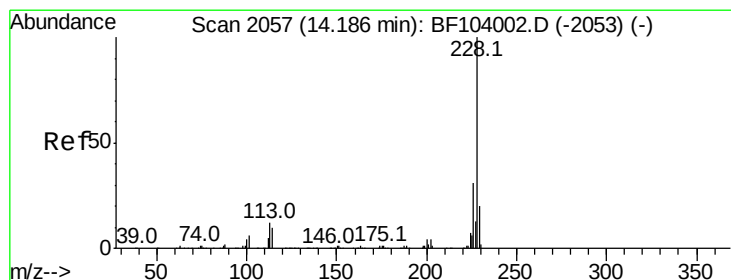
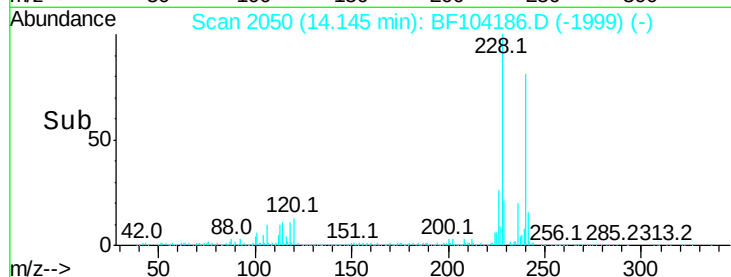
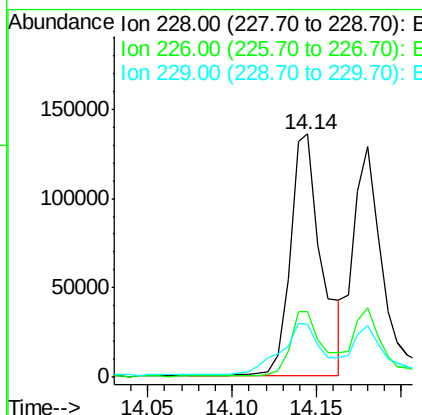
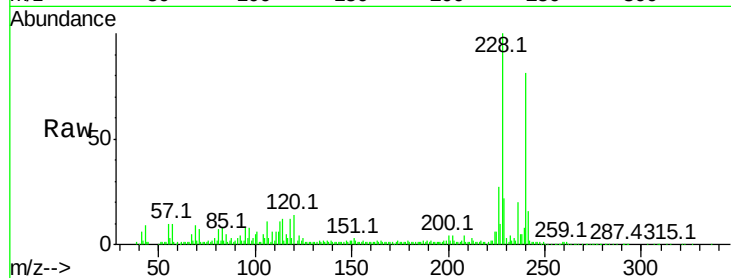




#80
Benzo(a)anthracene
Concen: 9.883 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

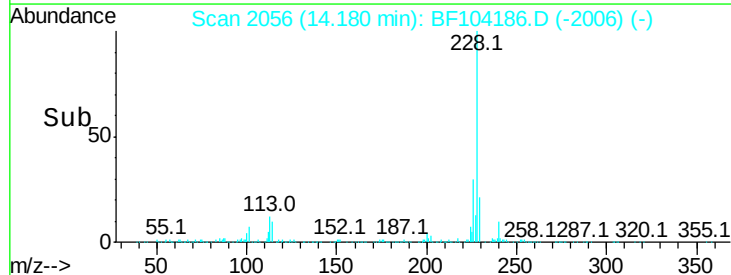
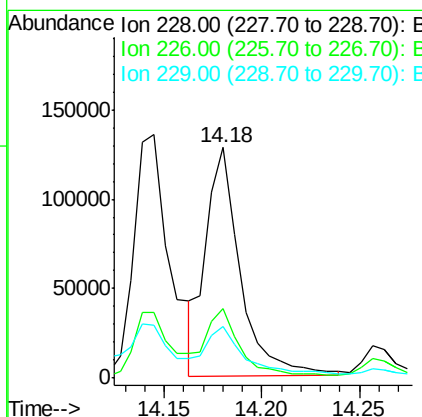
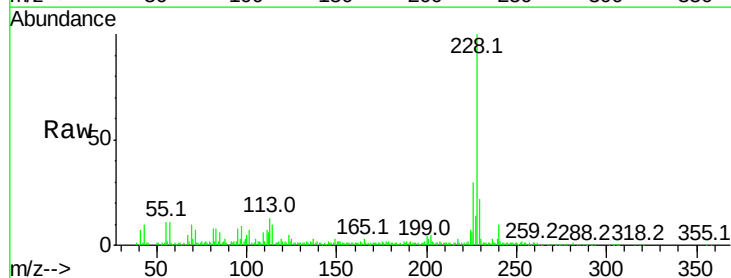
Instrument :
BNA_F
ClientSampleId :

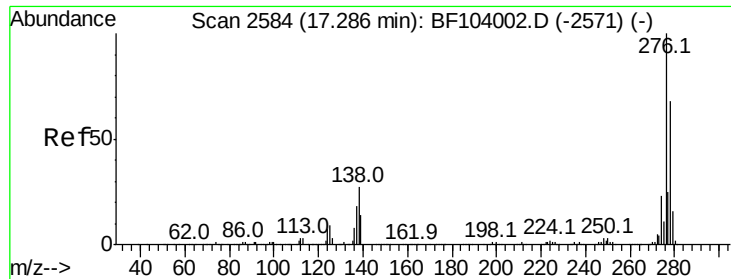
Tot Ion:228 Resp: 176359
Ion Ratio Lower Upper
228 100
226 27.2 22.6 33.8
229 21.7 15.8 23.6



#82
Chrysene
Concen: 9.042 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion:228 Resp: 158034
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.2 16.2 24.4

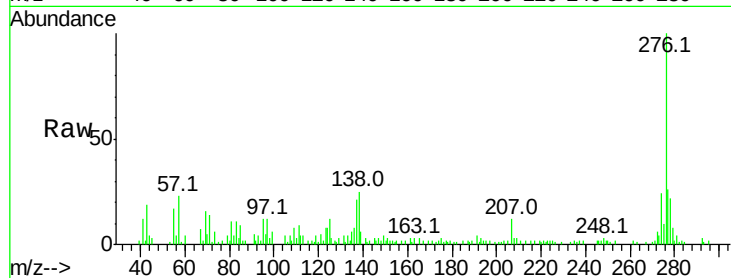




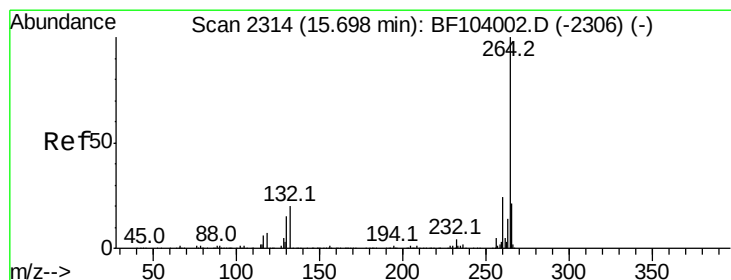
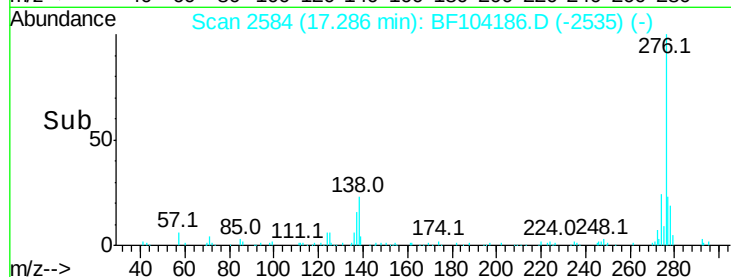
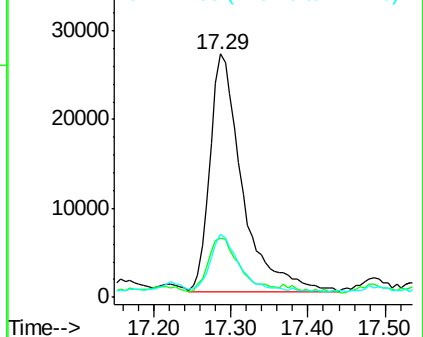
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.289 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.01 min
 Lab File: BF104186.D
 Acq: 3 Apr 2018 18:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 77673
 Ion Ratio Lower Upper
 276 100
 138 22.0 25.0 37.6#
 277 21.7 20.1 30.1

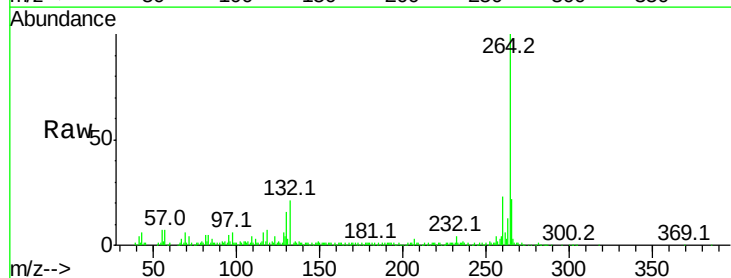


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

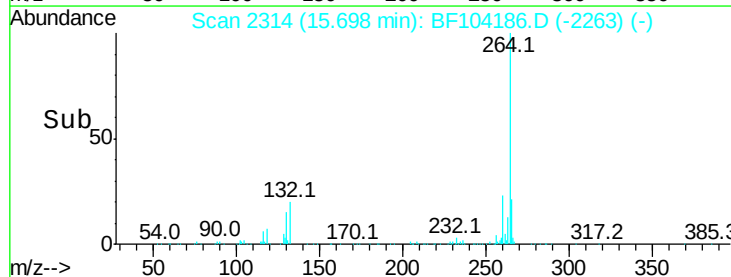
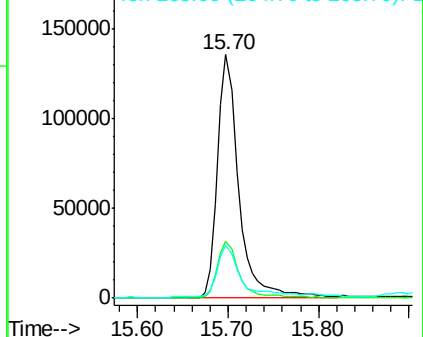


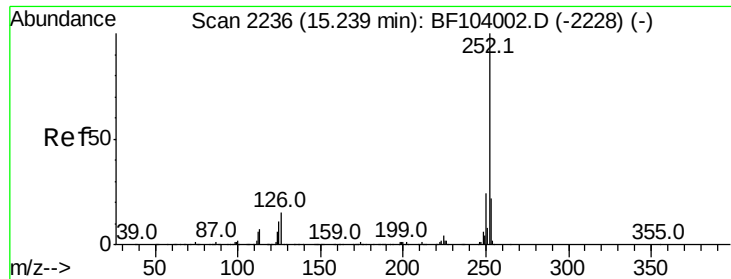
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BF104186.D
 Acq: 3 Apr 2018 18:26

Tgt Ion:264 Resp: 223131
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.6 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: 16.978 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

Instrument :

BNA_F

ClientSampleId :

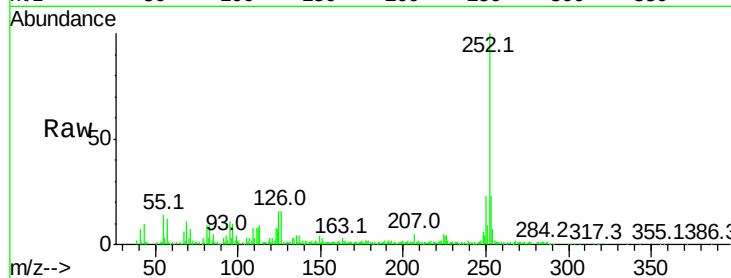
Tot Ion:252 Resp: 230558

Ion Ratio Lower Upper

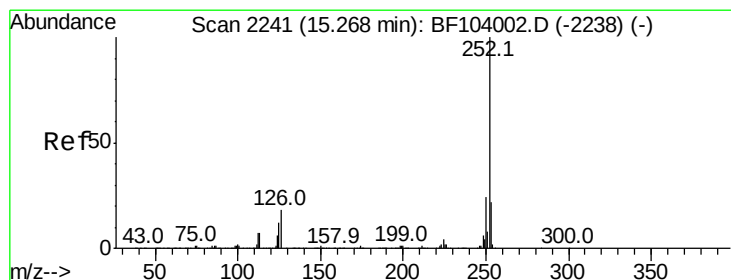
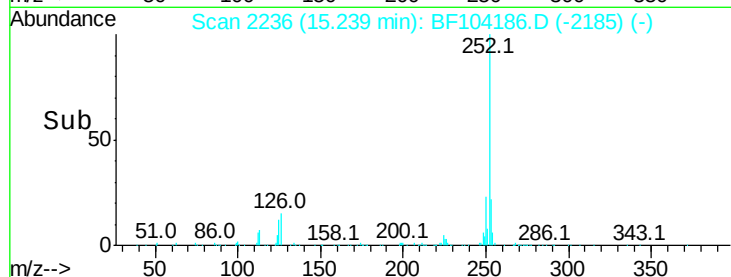
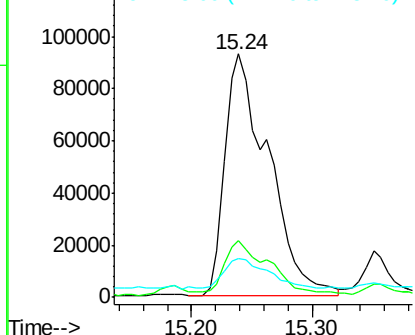
252 100

253 23.2 17.0 25.6

125 16.2 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: 18.024 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.03 min

Lab File: BF104186.D

Acq: 3 Apr 2018 18:26

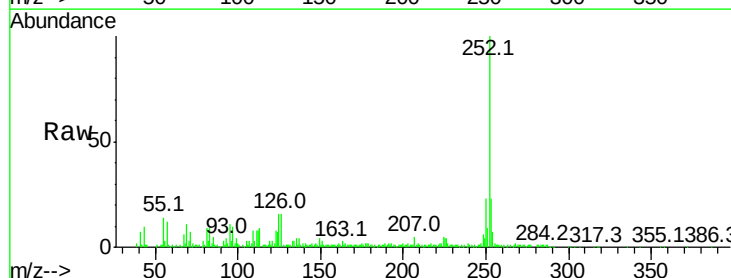
Tgt Ion:252 Resp: 230558

Ion Ratio Lower Upper

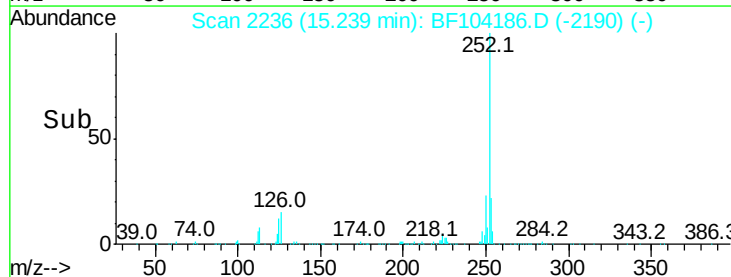
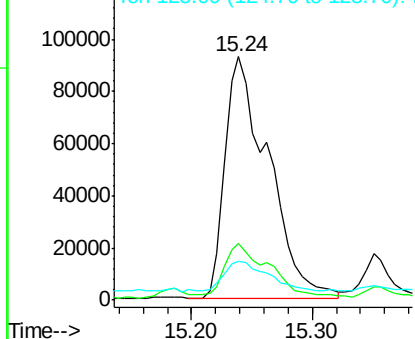
252 100

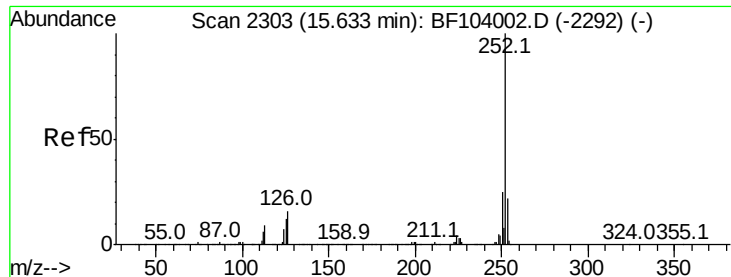
253 23.2 17.9 26.9

125 16.2 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

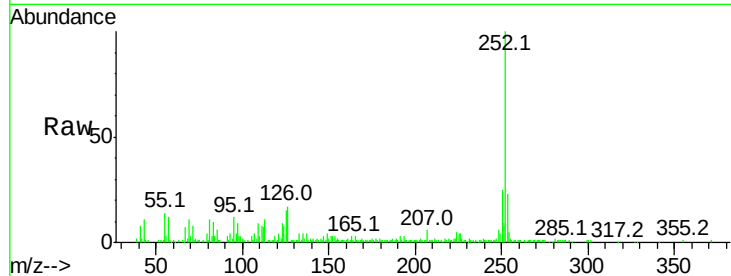




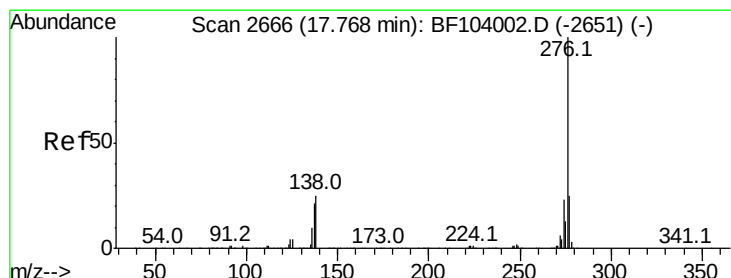
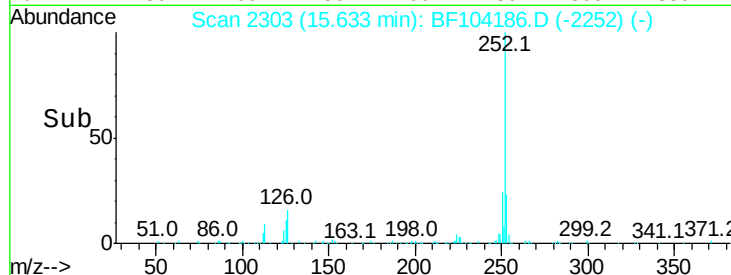
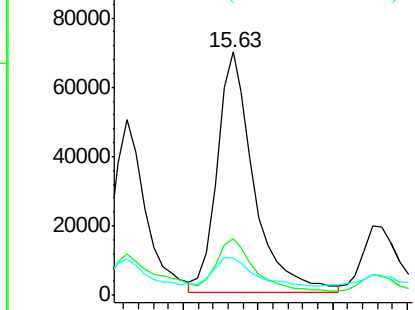
#89
Benzo(a)pyrene
Concen: 9.532 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 119950
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 15.5 9.8 14.6#

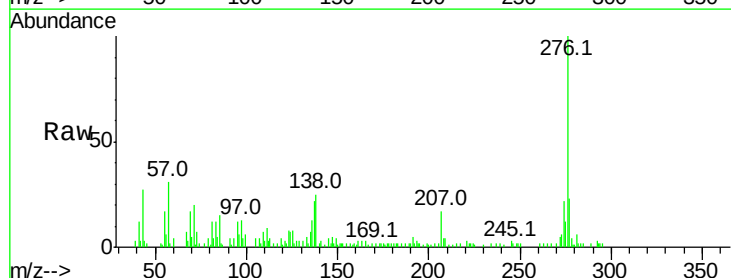


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.246 ng
RT: 17.77 min Scan# 2666
Delta R.T. -0.01 min
Lab File: BF104186.D
Acq: 3 Apr 2018 18:26

Tgt Ion:276 Resp: 72790
Ion Ratio Lower Upper
276 100
277 23.2 17.9 26.9
138 25.4 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

