

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104161.D
 Acq On : 3 Apr 2018 5:16
 Operator : JU/SJ
 Sample : J2121-12
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 05:54:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	72639	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	254238	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	101770	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	203637	20.00	ng	0.00
75) Chrysene-d12	14.15	240	210198	20.00	ng	0.00
86) Perylene-d12	15.70	264	134304	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	342568	75.21	ng	0.02
7) Phenol-d6	6.60	99	397997	71.02	ng	0.00
23) Nitrobenzene-d5	7.52	82	220586	53.06	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	95780	84.52	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	374340	58.00	ng	0.00
78) Terphenyl-d14	13.08	244	412578	45.32	ng	0.00

Target Compounds

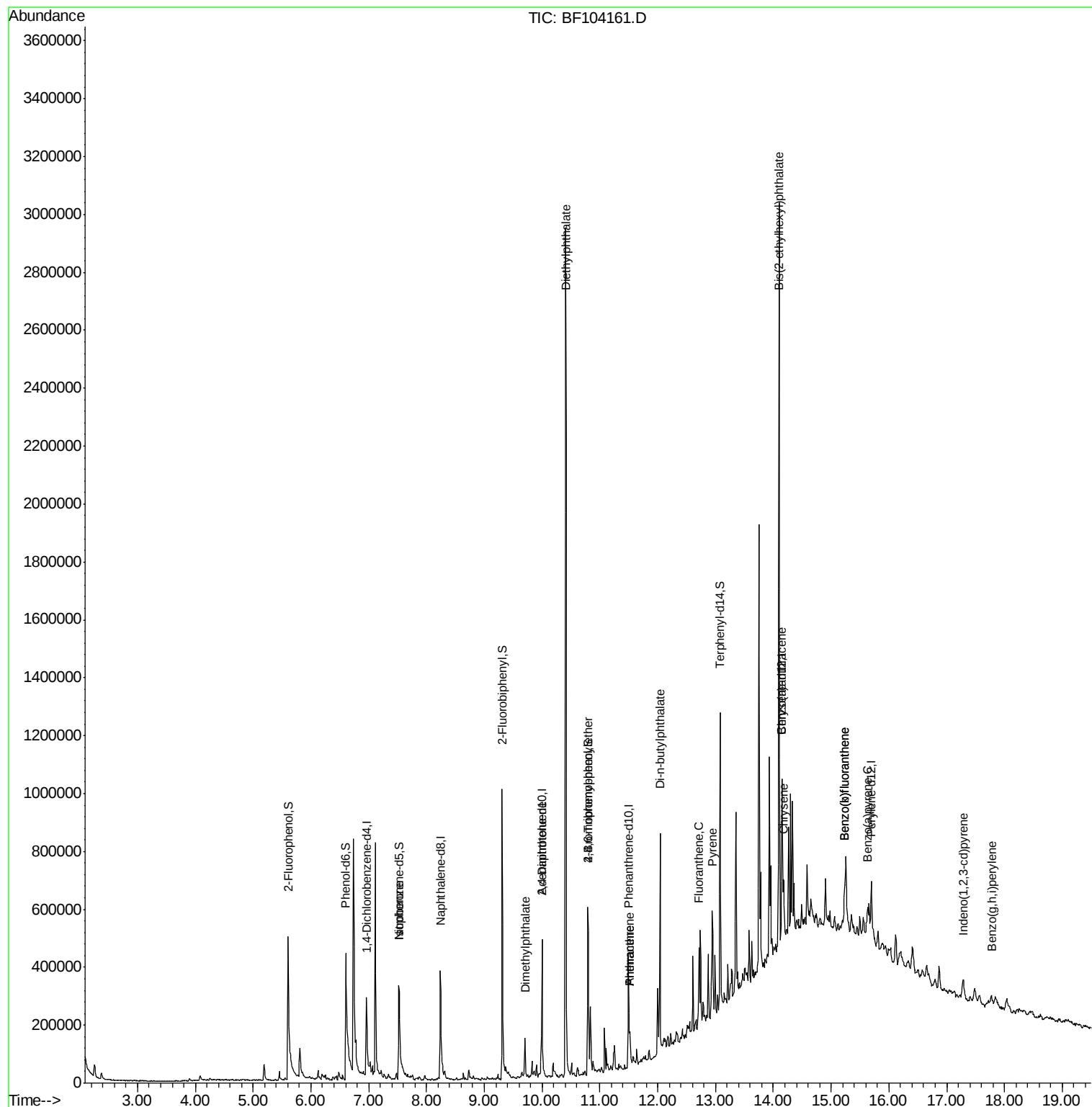
						Qvalue
25) Isophorone	7.52	82	220586	28.792	ng	# 64
49) Dimethylphthalate	9.70	163	59632	7.421	ng	100
56) 2,4-Dinitrotoluene	10.00	165	13841	6.275	ng	# 23
59) Diethylphthalate	10.41	149	1279934	166.279	ng	98
66) 4-Bromophenyl-phenylether	10.79	248	6000	2.754	ng	# 1
70) Phenanthrene	11.52	178	39077	3.544	ng	99
71) Anthracene	11.52	178	39077	3.393	ng	100
73) Di-n-butylphthalate	12.04	149	391848	29.930	ng	99
74) Fluoranthene	12.72	202	131856	11.251	ng	97
77) Pyrene	12.94	202	153937	10.188	ng	98
80) Benzo(a)anthracene	14.14	228	84123	6.396	ng	96
82) Chrysene	14.18	228	78142	6.066	ng	98
83) Bis(2-ethylhexyl)phthalate	14.10	149	869844	94.569	ng	99
85) Indeno(1,2,3-cd)pyrene	17.29	276	28826	2.159	ng	# 91
87) Benzo(b)fluoranthene	15.23	252	123090	15.059	ng	# 87
88) Benzo(k)fluoranthene	15.23	252	123090	15.987	ng	# 90
89) Benzo(a)pyrene	15.63	252	61552	8.126	ng	# 85
91) Benzo(g,h,i)perylene	17.77	276	29273	4.173	ng	# 92

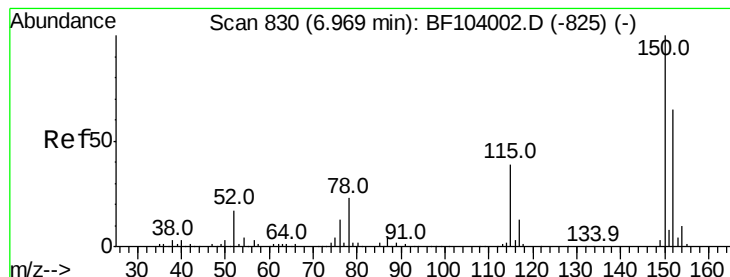
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
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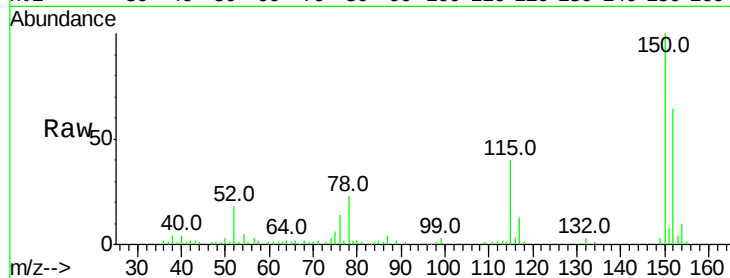


#1

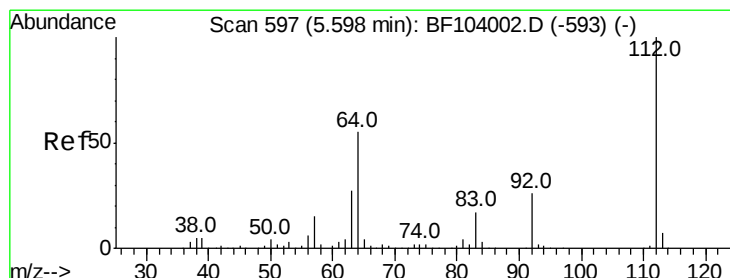
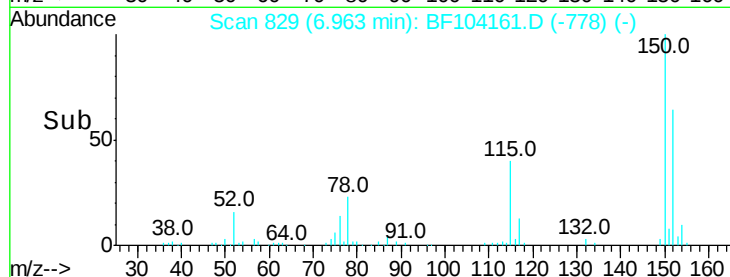
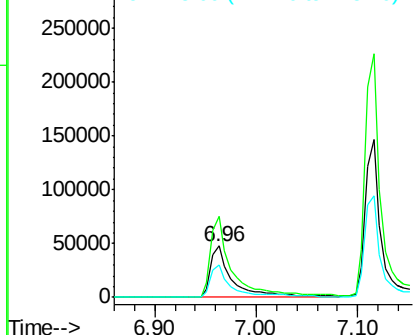
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 72639
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 63.2 50.1 75.1



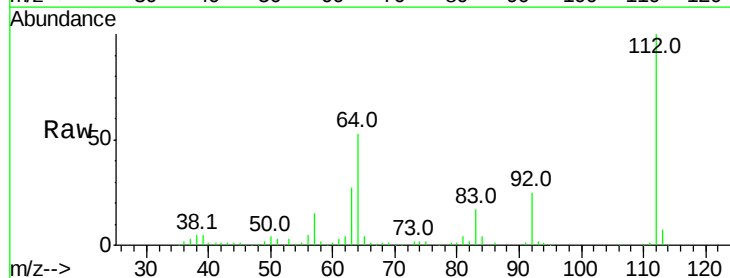
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



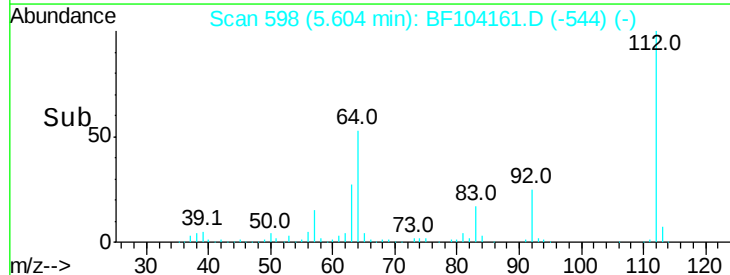
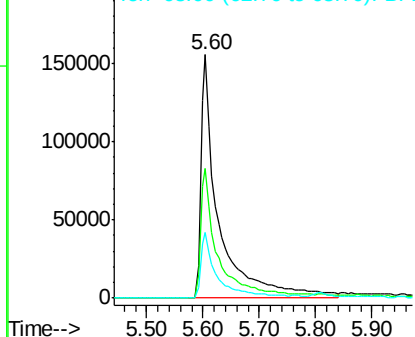
#5

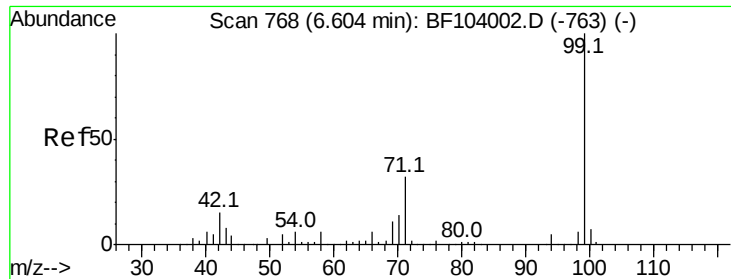
2-Fluorophenol
Concen: 75.209 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

Tgt Ion:112 Resp: 342568
Ion Ratio Lower Upper
112 100
64 53.4 47.9 71.9
63 27.1 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: 71.022 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Instrument :

BNA_F

ClientSampleId :

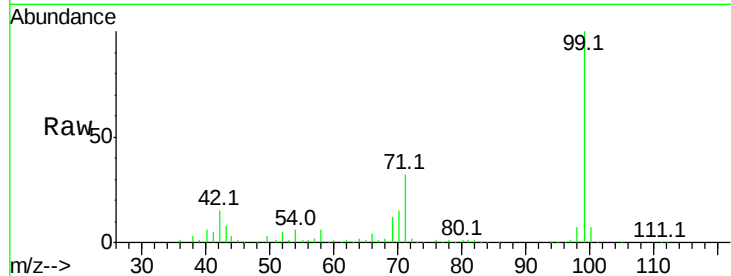
Tot Ion: 99 Resp: 397997

Ion Ratio Lower Upper

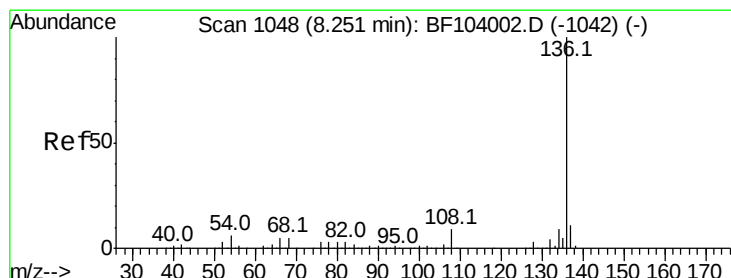
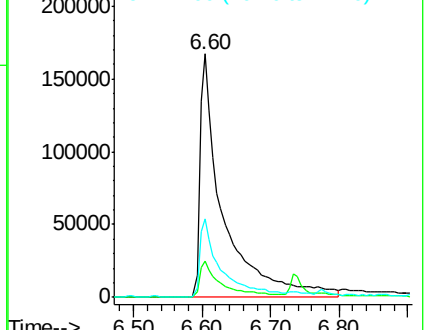
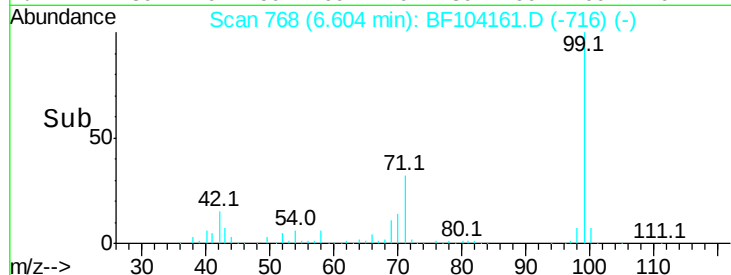
99 100

42 15.0 14.5 21.7

71 32.1 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: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Tgt Ion: 136 Resp: 254238

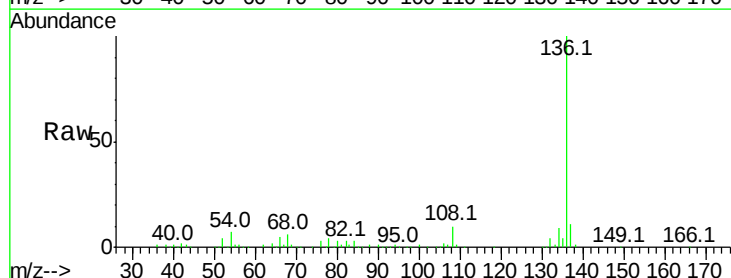
Ion Ratio Lower Upper

136 100

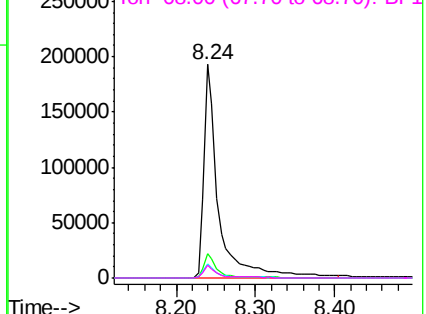
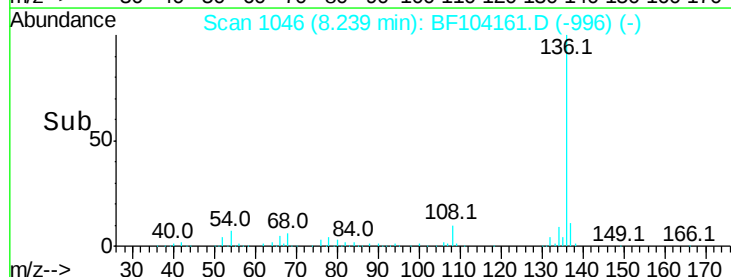
137 11.1 8.9 13.3

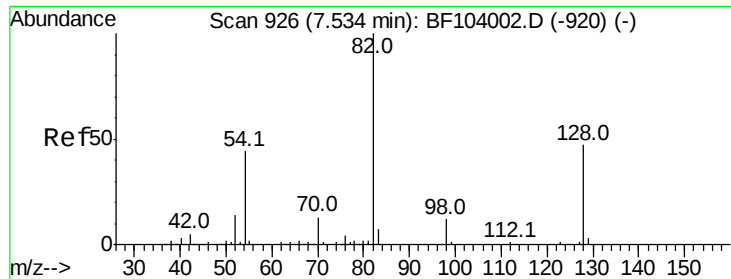
54 6.8 6.6 9.8

68 5.9 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

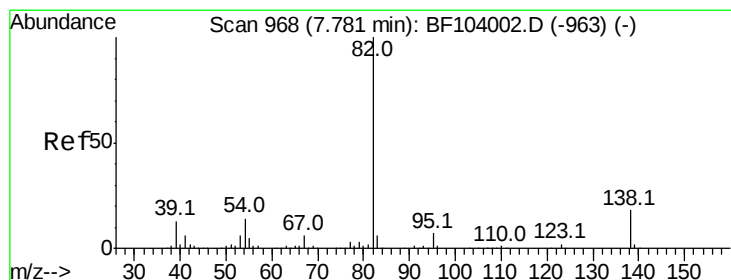
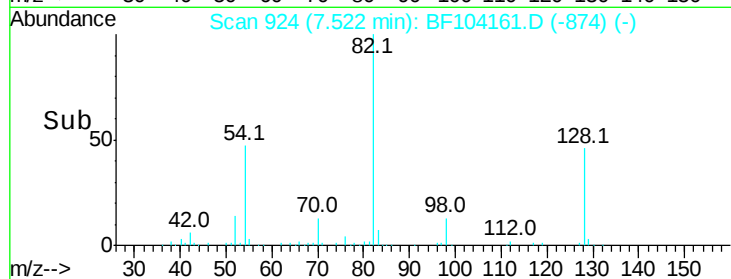
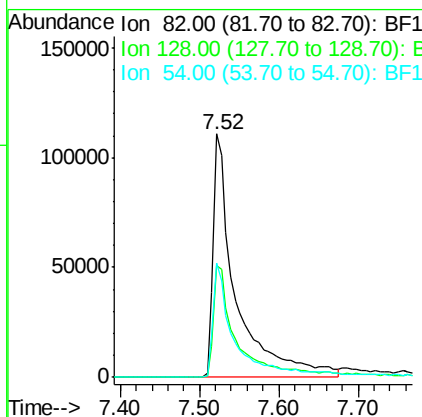
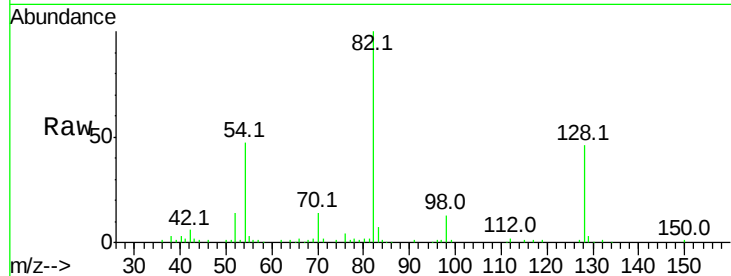




#23
 Nitrobenzene-d5
 Concen: 53.061 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104161.D
 Acq: 3 Apr 2018 5:16

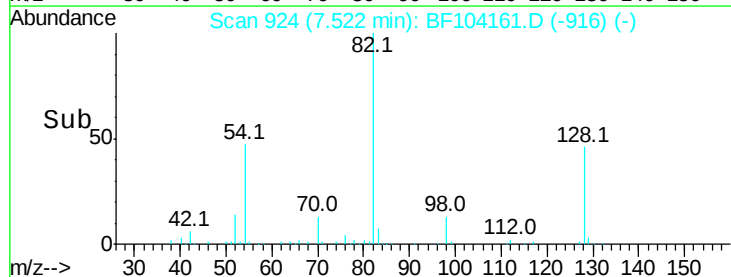
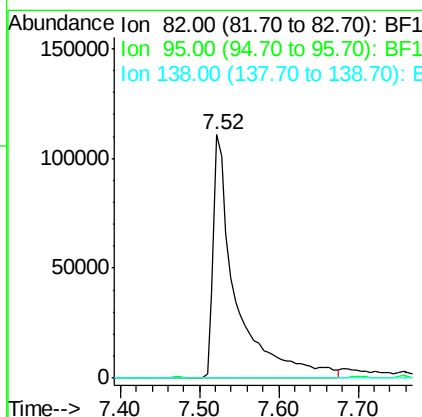
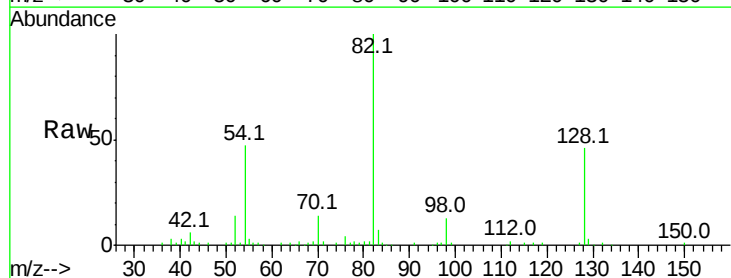
Instrument :
 BNA_F
 ClientSampled :

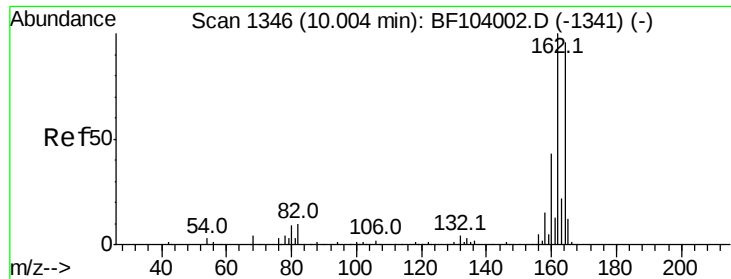
Tot Ion	82	Resp	220586
Ion Ratio	Lower	Upper	
82	100		
128	45.9	36.1	54.1
54	47.0	41.4	62.2



#25
 Isophorone
 Concen: 28.792 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.25 min
 Lab File: BF104161.D
 Acq: 3 Apr 2018 5:16

Tgt Ion	82	Resp	220586
Ion Ratio	Lower	Upper	
82	100		
95	0.3	5.2	7.8#
138	0.0	14.9	22.3#

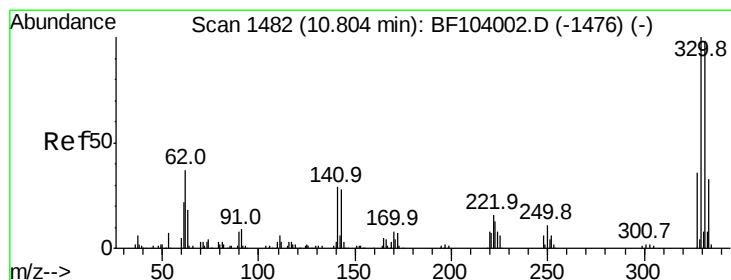
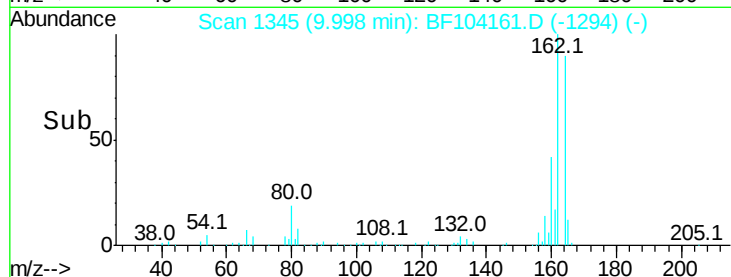
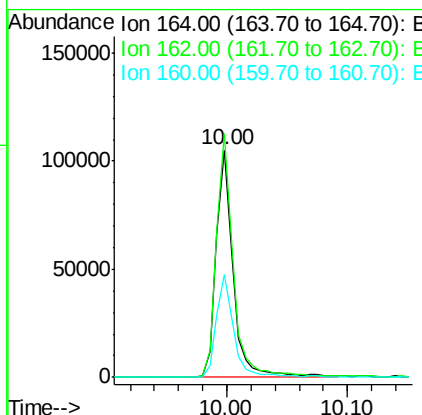
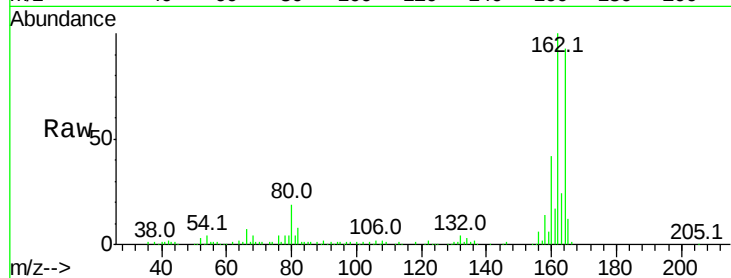




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

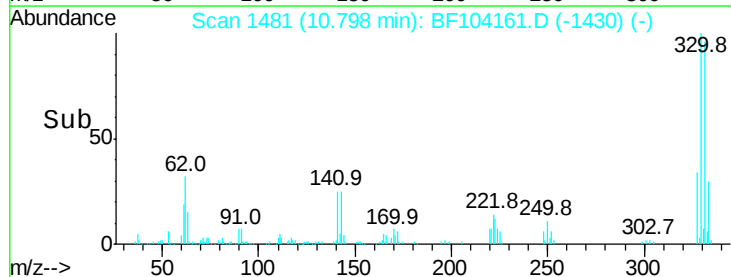
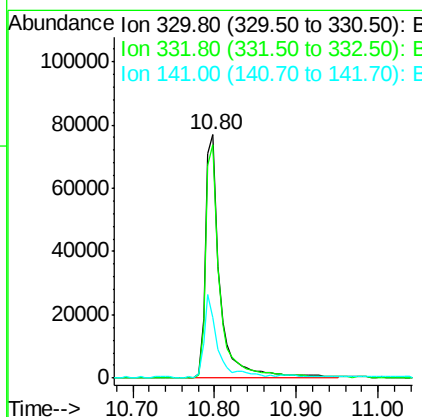
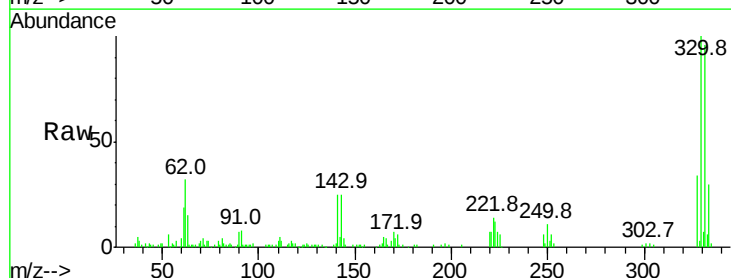
Instrument :
BNA_F
ClientSampleId :

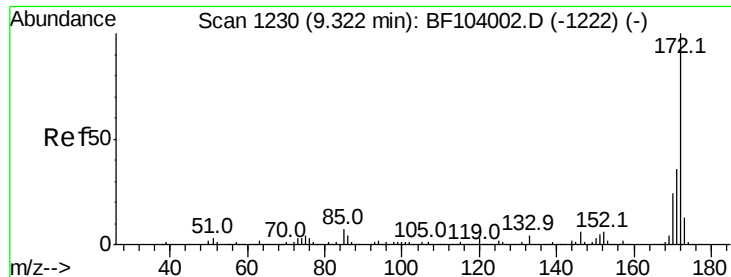
Tot Ion:164 Resp: 101770
Ion Ratio Lower Upper
164 100
162 107.1 86.1 129.1
160 45.1 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 84.521 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

Tgt Ion:330 Resp: 95780
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 33.2 29.9 44.9

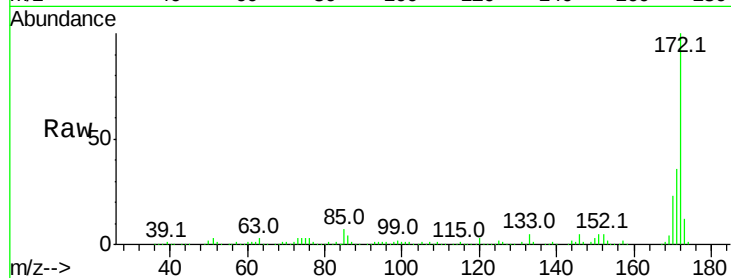




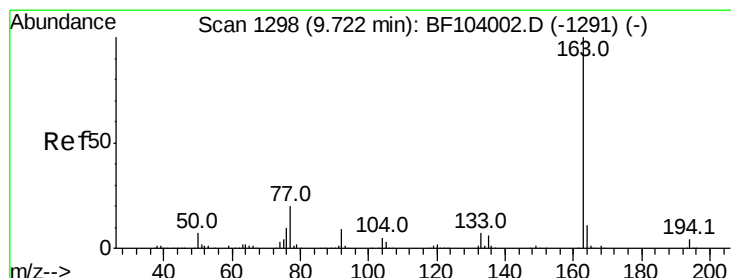
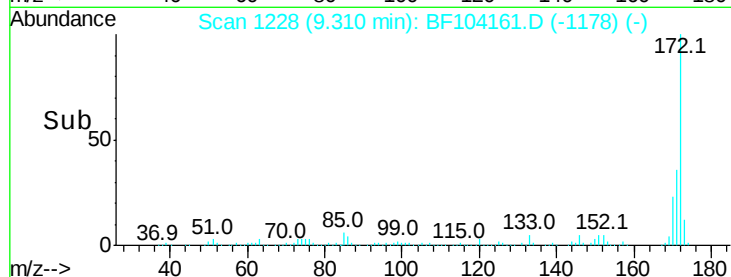
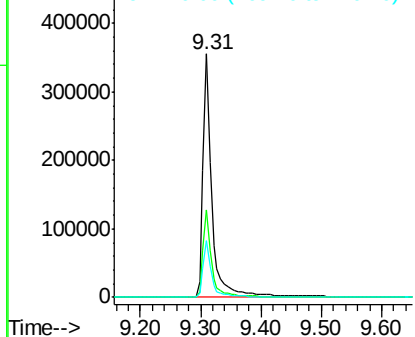
#44
2-Fluorobiphenyl
Concen: 58.004 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 374340
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.5 19.6 29.4

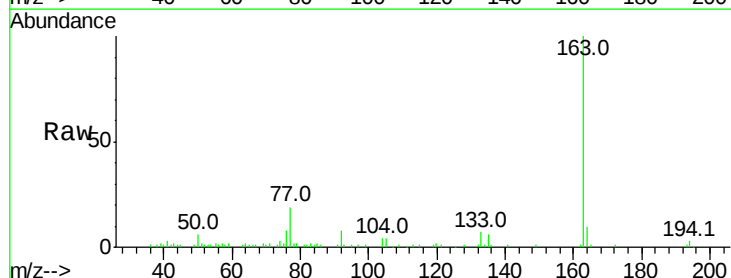


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

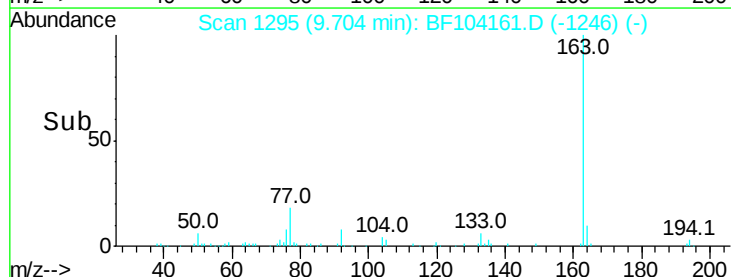
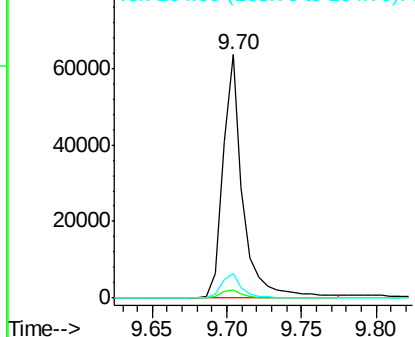


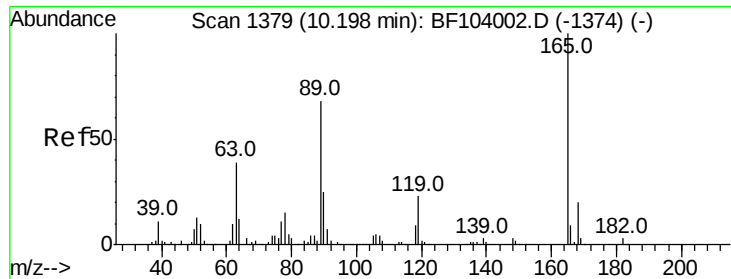
#49
Dimethylphthalate
Concen: 7.421 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

Tgt Ion:163 Resp: 59632
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.4 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

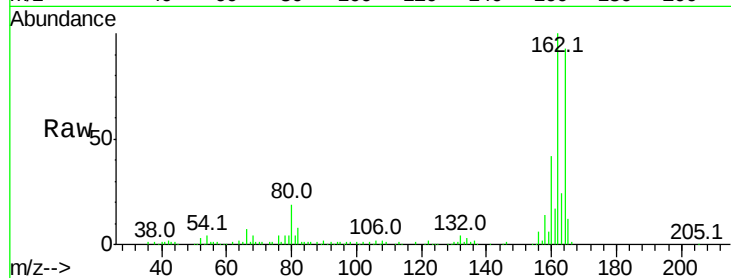




#56
2,4-Dinitrotoluene
Concen: 6.275 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.20 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.2	57.8	86.6#
182	0.0	1.6	2.4#

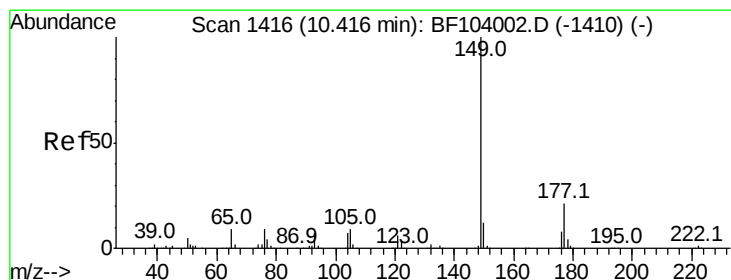
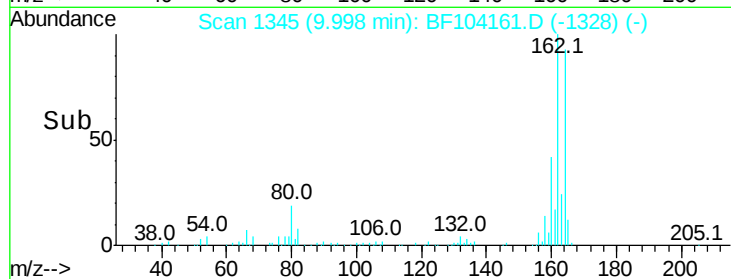
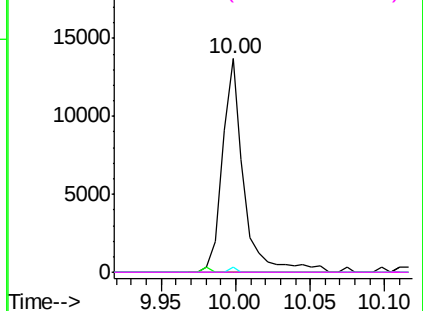


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

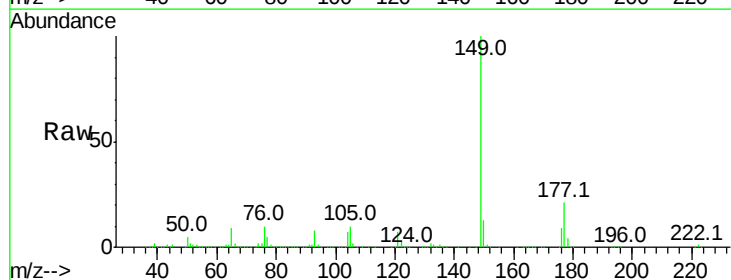
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#59
Diethylphthalate
Concen: 166.279 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.00 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

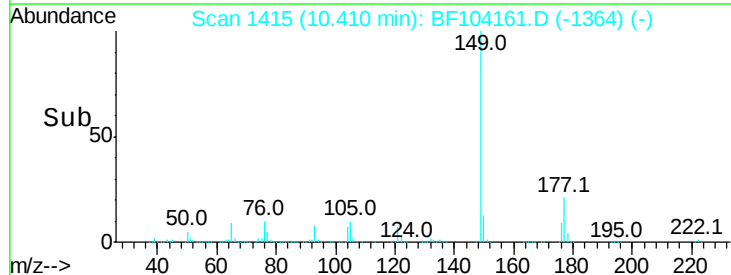
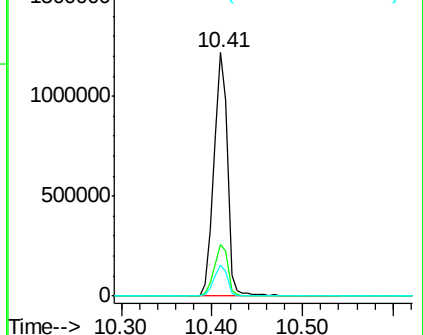
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.1	24.1
150	12.9	10.1	15.1

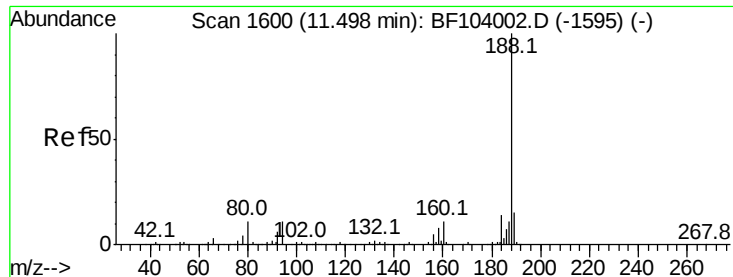


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

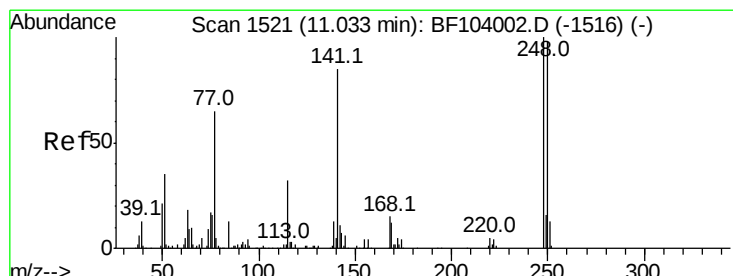
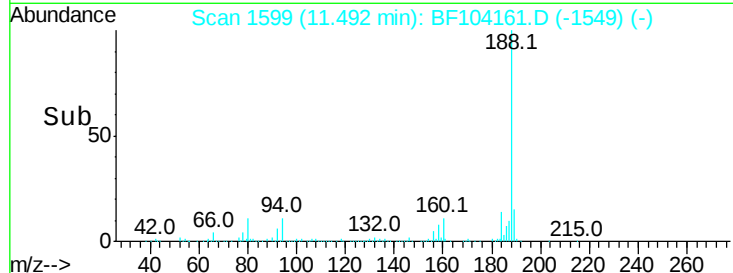
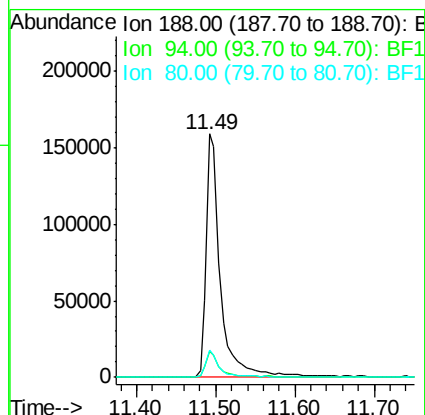
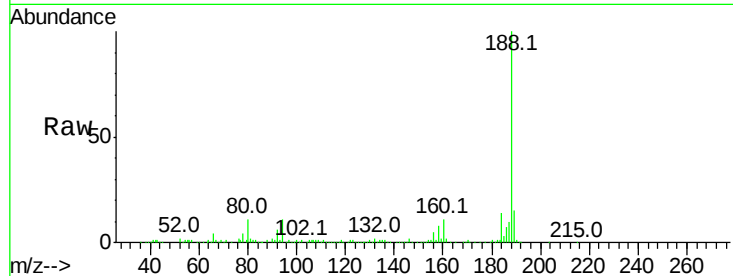




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

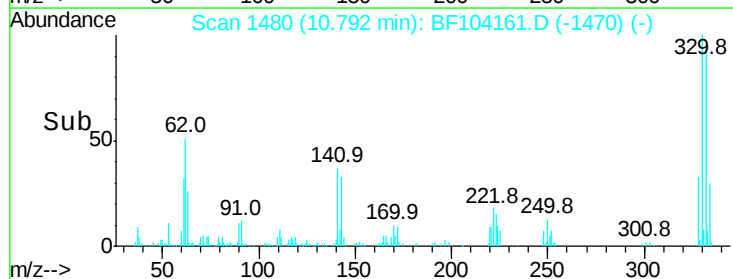
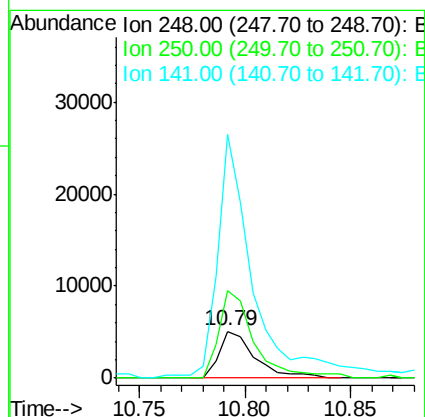
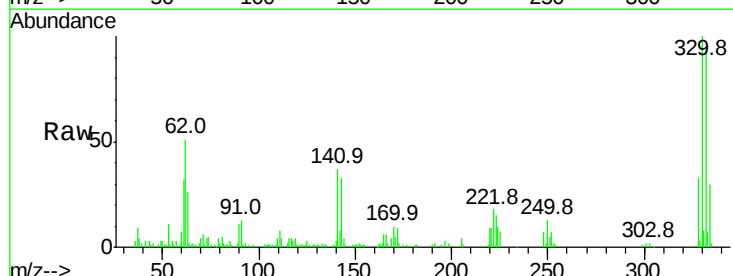
Instrument :
BNA_F
ClientSampleId :

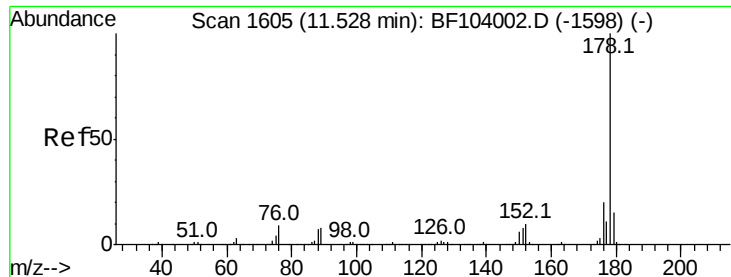
Tot Ion:188 Resp: 203637
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.2 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.754 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.24 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

Tgt Ion:248 Resp: 6000
Ion Ratio Lower Upper
248 100
250 184.8 76.9 115.3#
141 517.5 74.4 111.6#





#70

Phenanthrene

Concen: 3.544 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.00 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Instrument :

BNA_F

ClientSampleId :

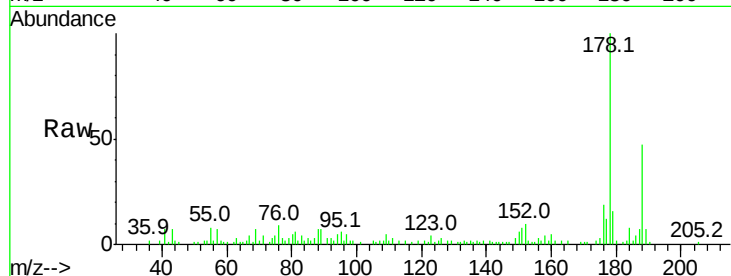
Tot Ion:178 Resp: 39077

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

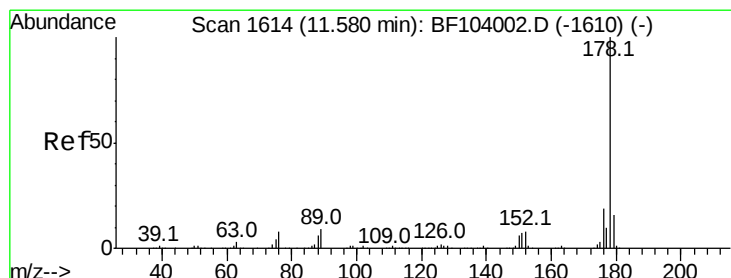
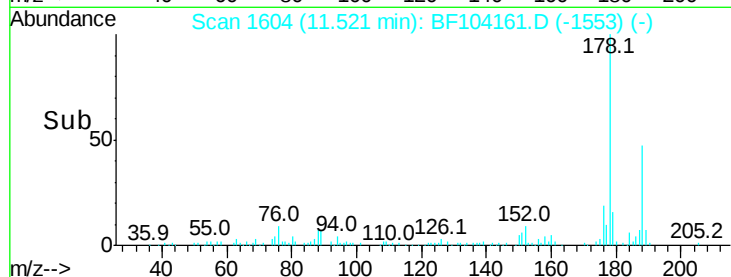
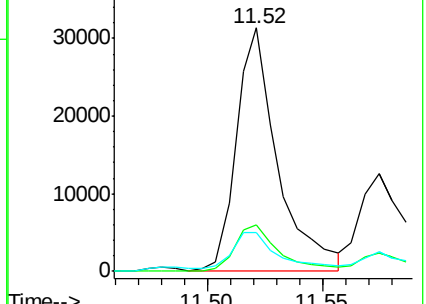
179 15.7 13.0 19.6



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: 3.393 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.05 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

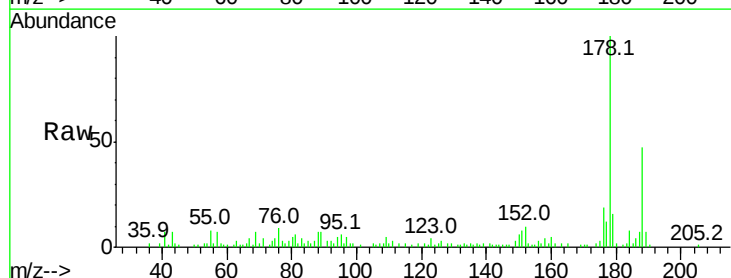
Tgt Ion:178 Resp: 39077

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

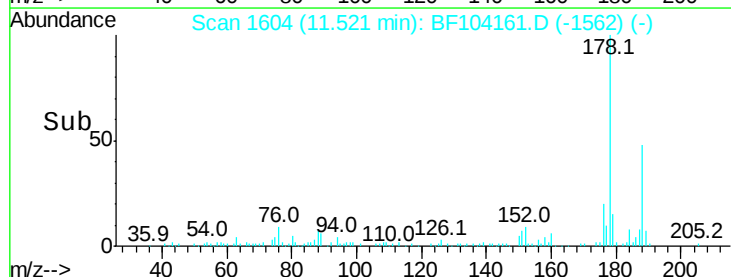
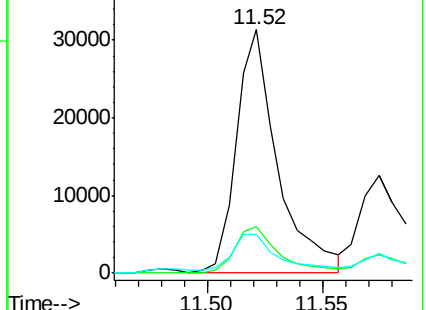
179 15.7 12.6 19.0

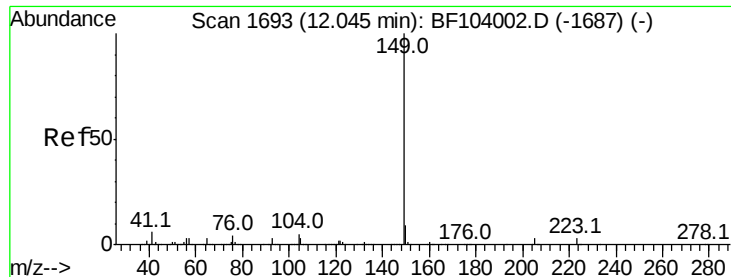


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: 29.930 ng

RT: 12.04 min Scan# 1692

Delta R.T. -0.00 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Instrument :

BNA_F

ClientSampleId :

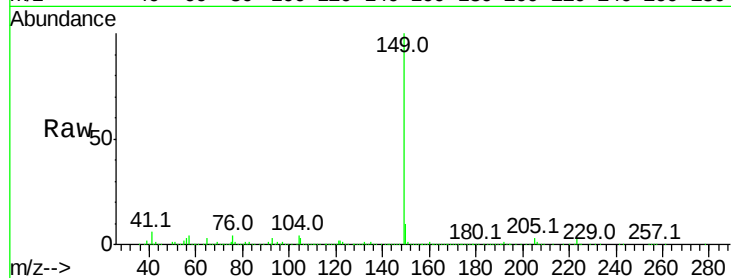
Tot Ion:149 Resp: 391848

Ion Ratio Lower Upper

149 100

150 9.6 7.8 11.6

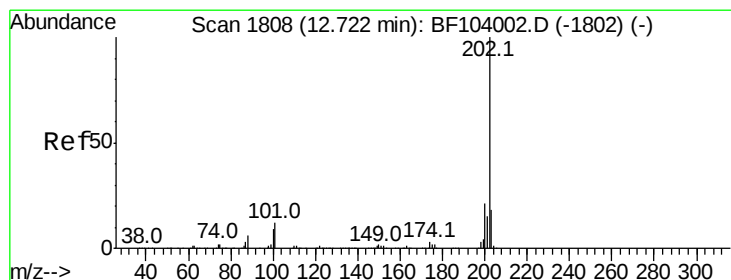
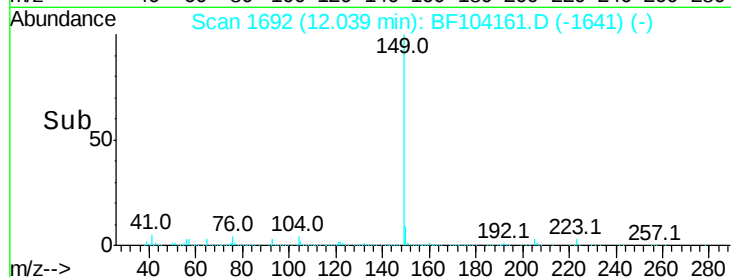
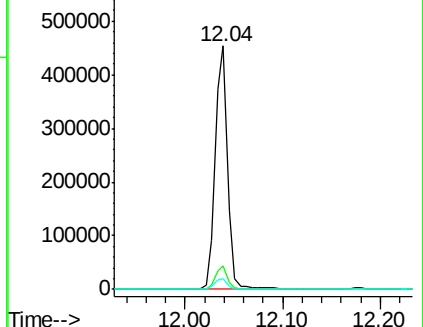
104 4.4 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 11.251 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

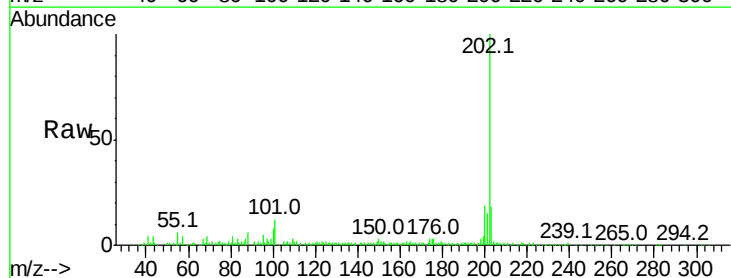
Tgt Ion:202 Resp: 131856

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

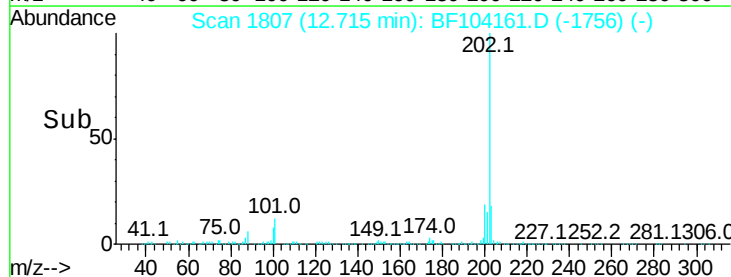
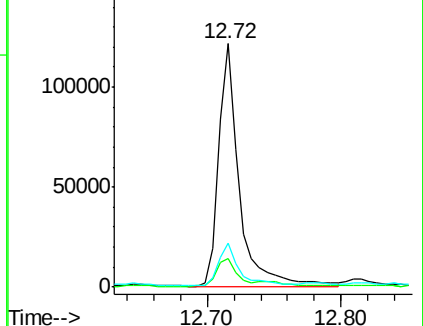
203 18.3 0.0 38.1

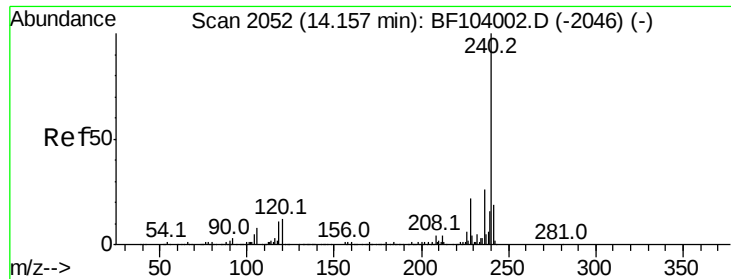


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Instrument :

BNA_F

ClientSampleId :

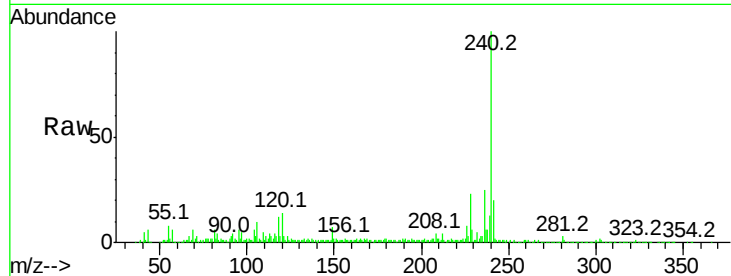
Tot Ion:240 Resp: 210198

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

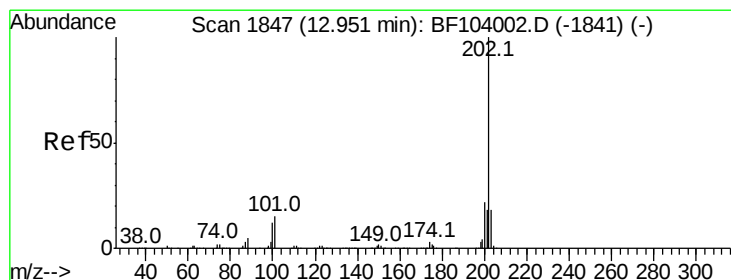
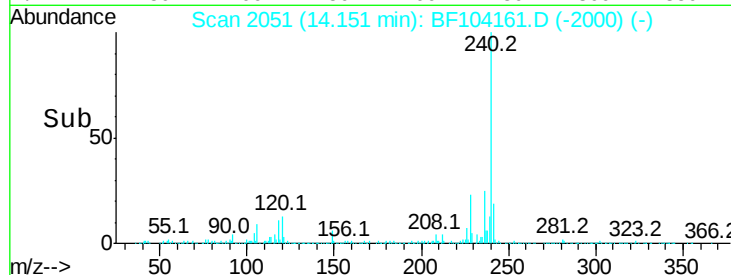
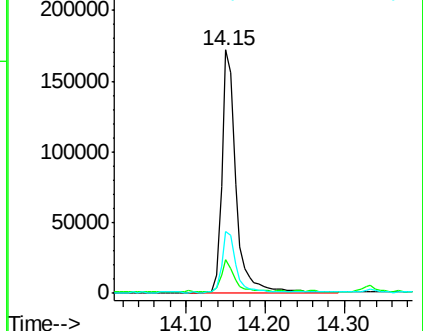
236 25.4 20.7 31.1



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: 10.188 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

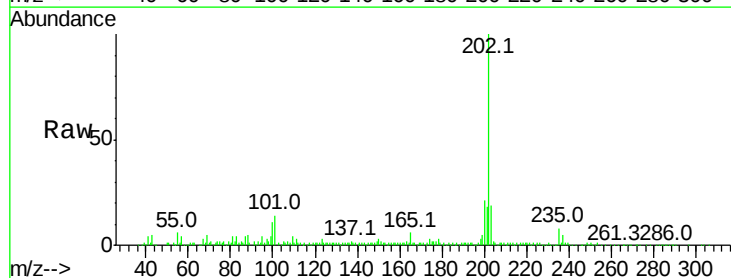
Tgt Ion:202 Resp: 153937

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

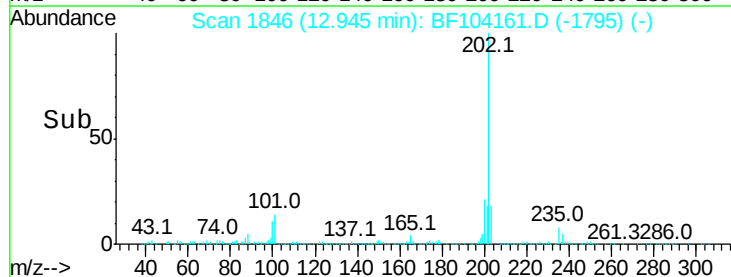
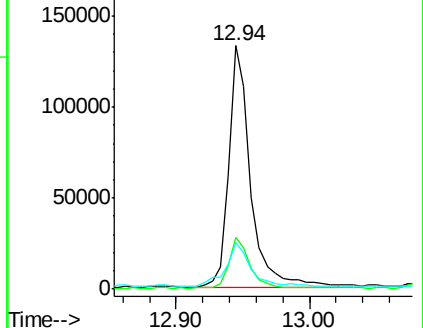
203 19.3 14.3 21.5

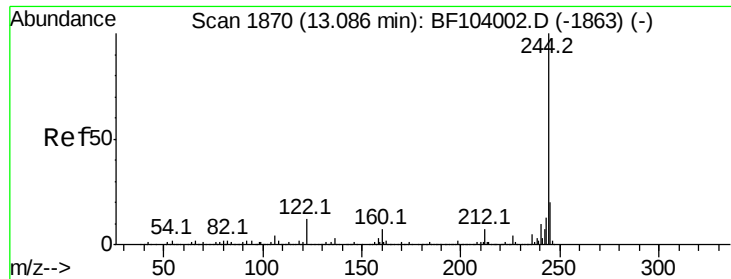


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 45.320 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Instrument :

BNA_F

ClientSampled :

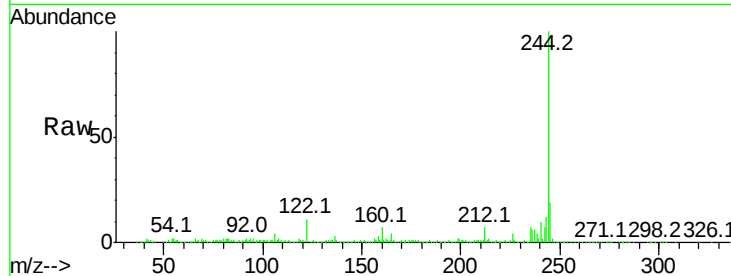
Tot Ion:244 Resp: 412578

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

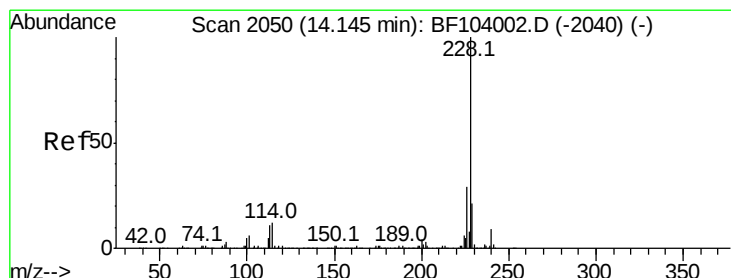
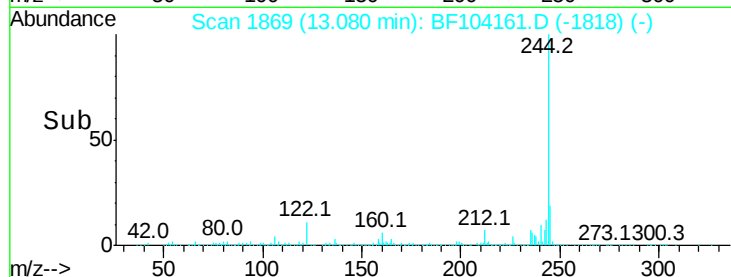
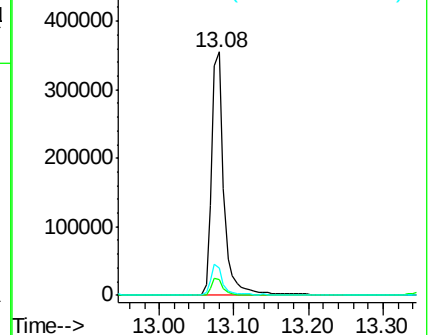
122 11.4 11.0 16.4



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: 6.396 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.01 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

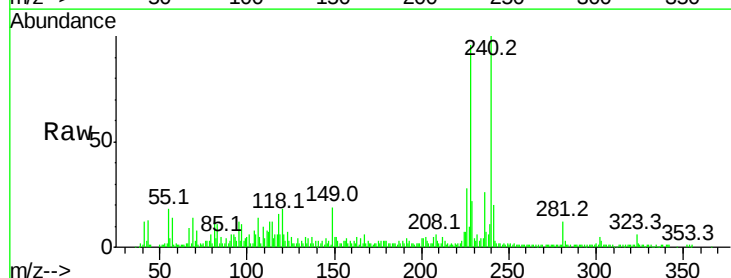
Tgt Ion:228 Resp: 84123

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

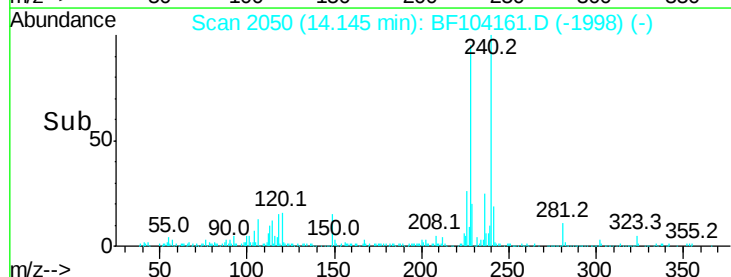
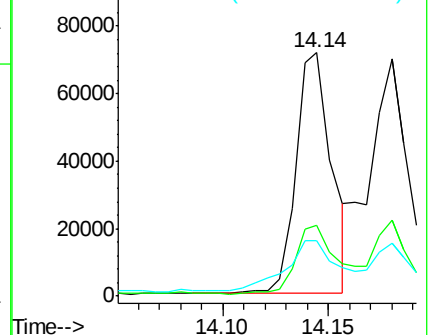
229 22.6 15.8 23.6

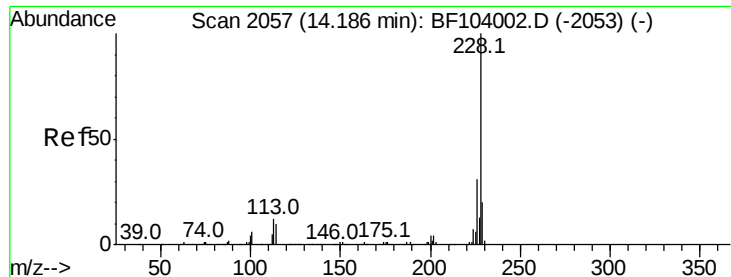


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.066 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Instrument :

BNA_F

ClientSampled :

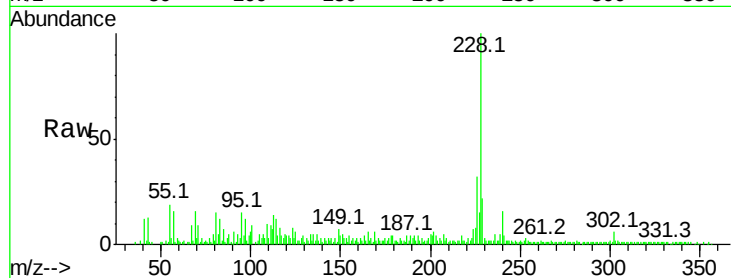
Tot Ion:228 Resp: 78142

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	22.3	16.2	24.4

228 100

226 31.9 25.0 37.6

229 22.3 16.2 24.4

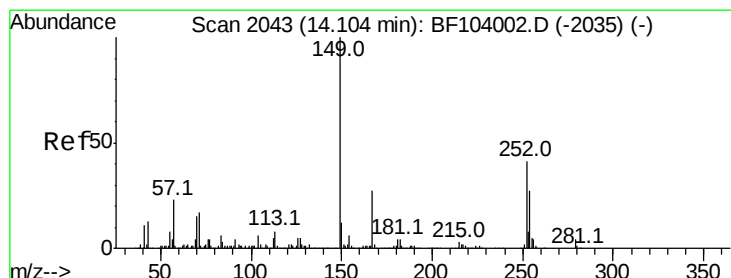
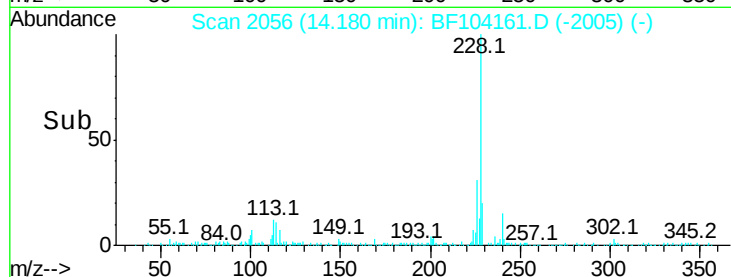
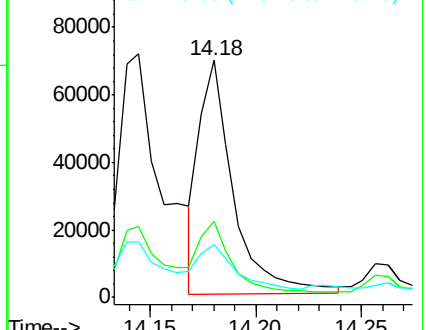


Abundance

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



#83

Bis(2-ethylhexyl)phthalate

Concen: 94.569 ng

RT: 14.10 min Scan# 2043

Delta R.T. 0.01 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

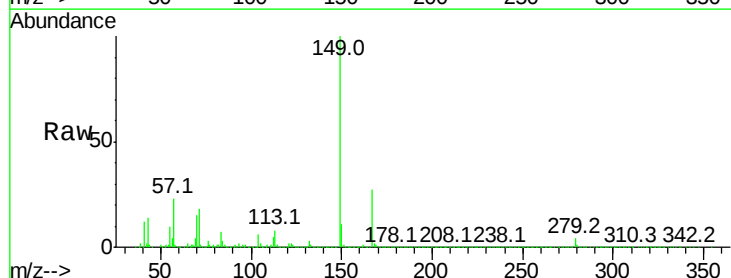
Tgt Ion:149 Resp: 869844

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.3	31.9
279	4.3	3.0	4.4

149 100

167 27.0 21.3 31.9

279 4.3 3.0 4.4

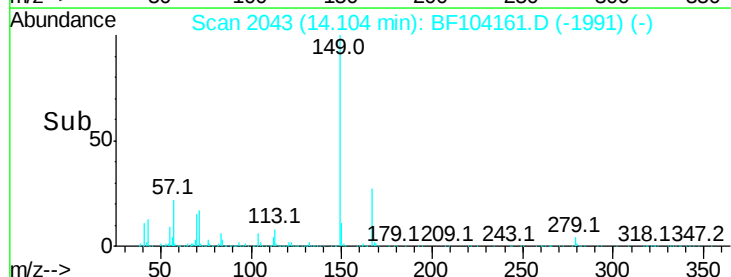
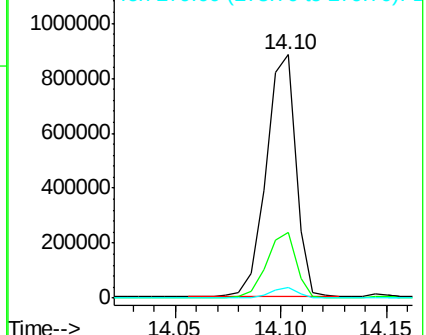


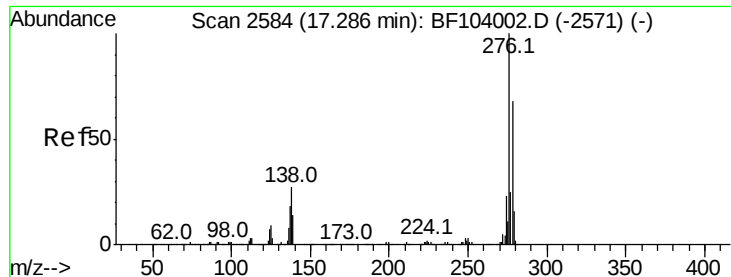
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

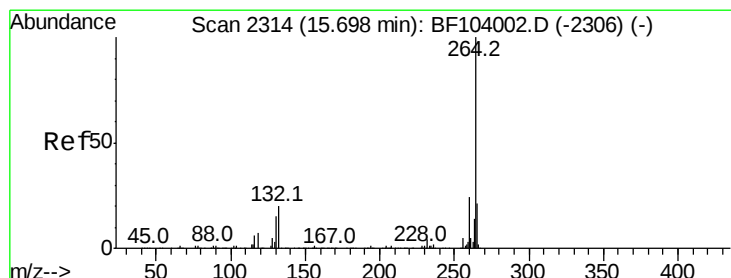
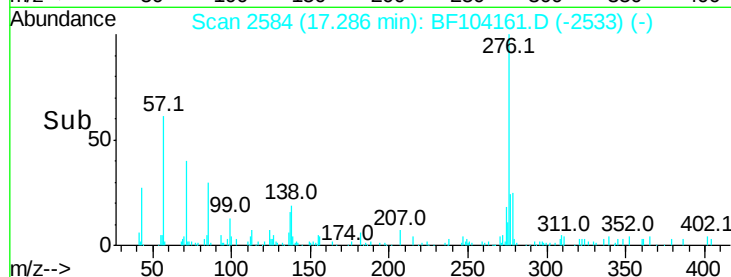
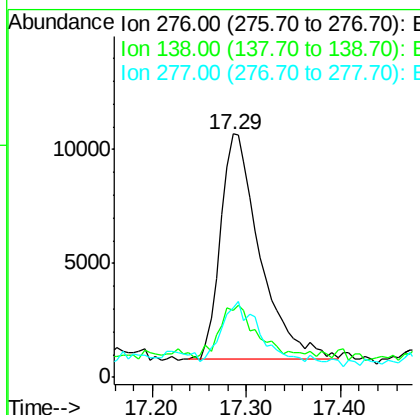
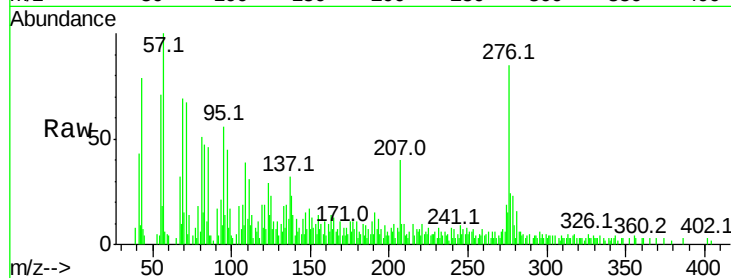




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.159 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

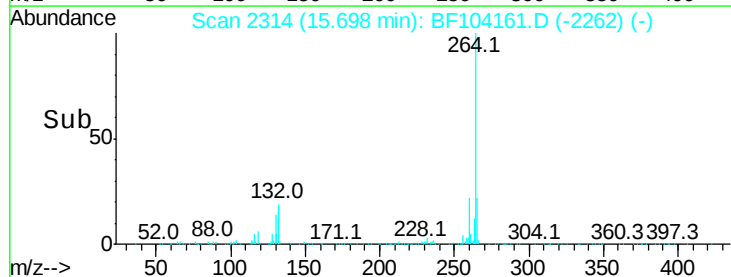
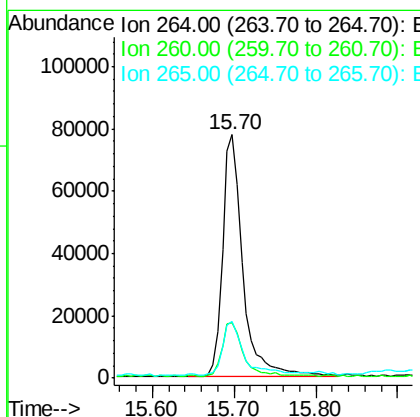
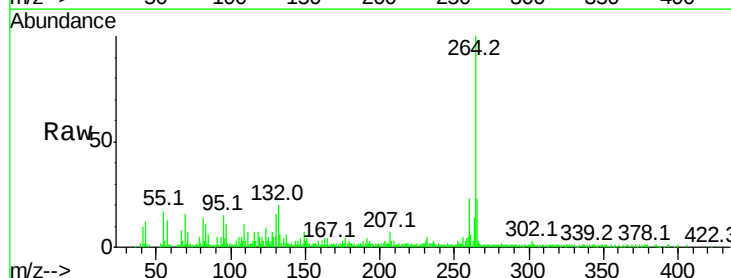
Instrument :
BNA_F
ClientSampleId :

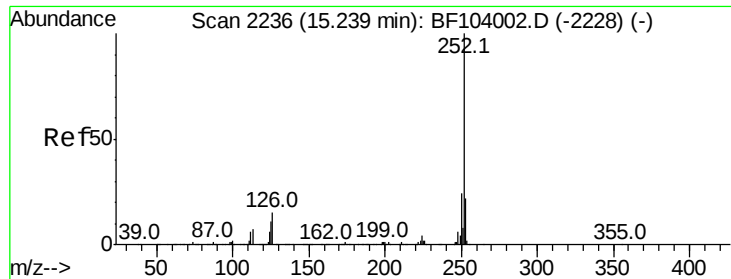
Tot Ion:276 Resp: 28826
Ion Ratio Lower Upper
276 100
138 23.1 25.0 37.6#
277 25.6 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF104161.D
Acq: 3 Apr 2018 5:16

Tgt Ion:264 Resp: 134304
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 23.3 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 15.059 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Instrument :

BNA_F

ClientSampleId :

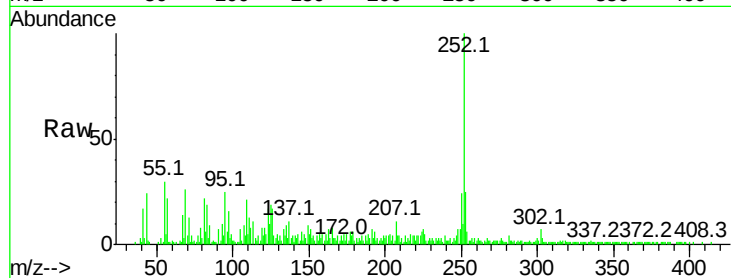
Tot Ion:252 Resp: 123090

Ion Ratio Lower Upper

252 100

253 25.3 17.0 25.6

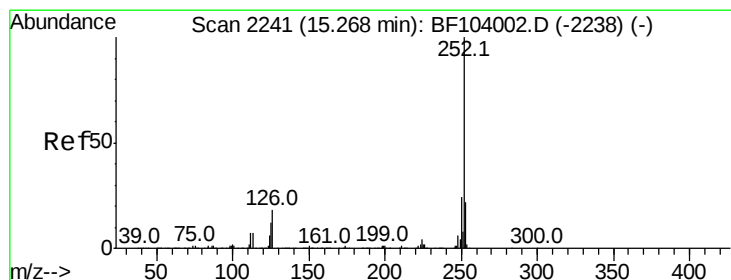
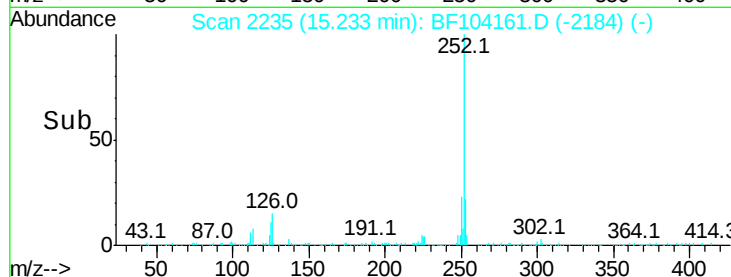
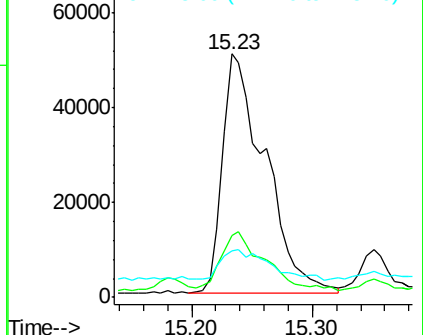
125 19.1 9.0 13.6#



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: 15.987 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.03 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

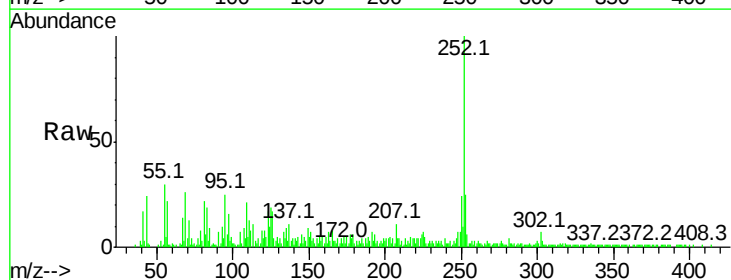
Tgt Ion:252 Resp: 123090

Ion Ratio Lower Upper

252 100

253 25.3 17.9 26.9

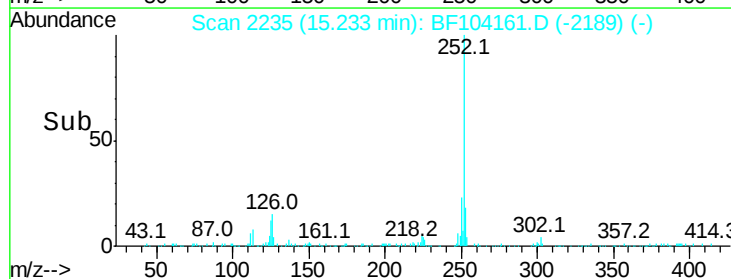
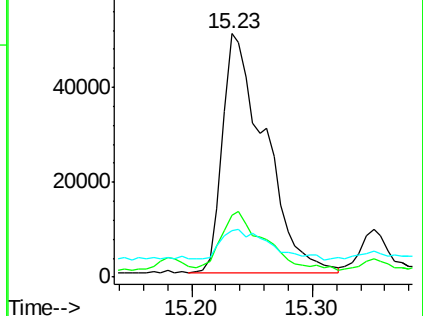
125 19.1 10.2 15.2#

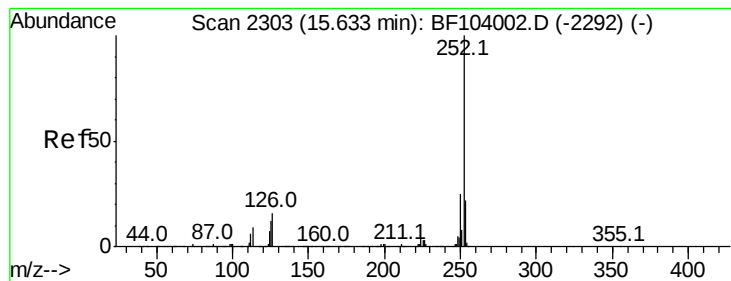


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.126 ng

RT: 15.63 min Scan# 2303

Delta R.T. 0.01 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

Instrument :

BNA_F

ClientSampleId :

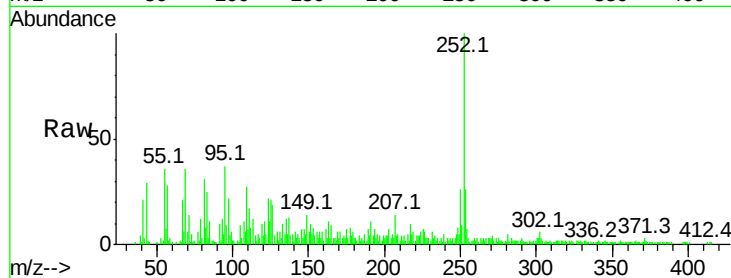
Tot Ion:252 Resp: 61552

Ion Ratio Lower Upper

252 100

253 26.2 17.1 25.7#

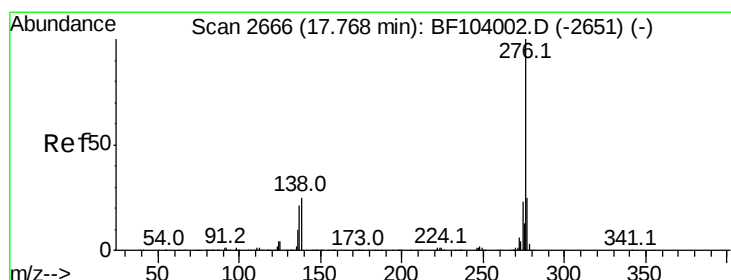
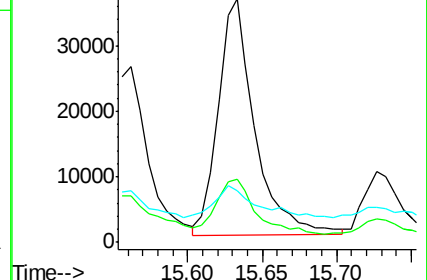
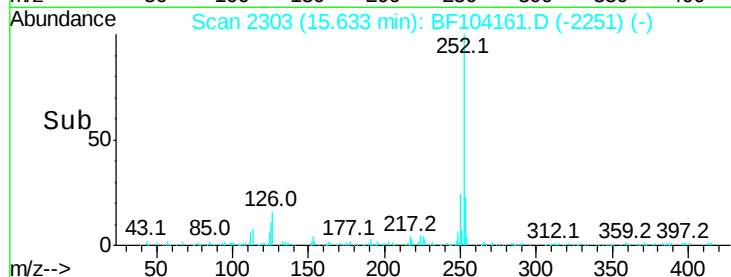
125 21.4 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 4.173 ng

RT: 17.77 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BF104161.D

Acq: 3 Apr 2018 5:16

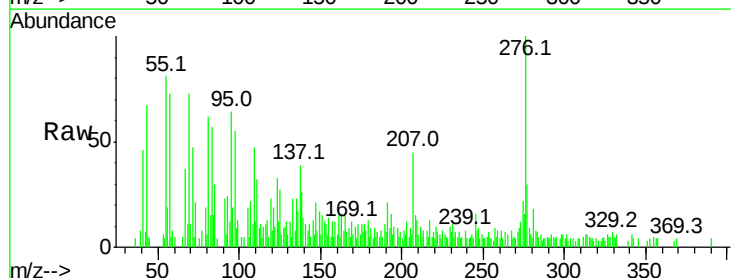
Tgt Ion:276 Resp: 29273

Ion Ratio Lower Upper

276 100

277 30.3 17.9 26.9#

138 26.3 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

