

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104030.D
 Acq On : 29 Mar 2018 00:13
 Operator : JU/SJ
 Sample : J1756-13 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 01:55:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

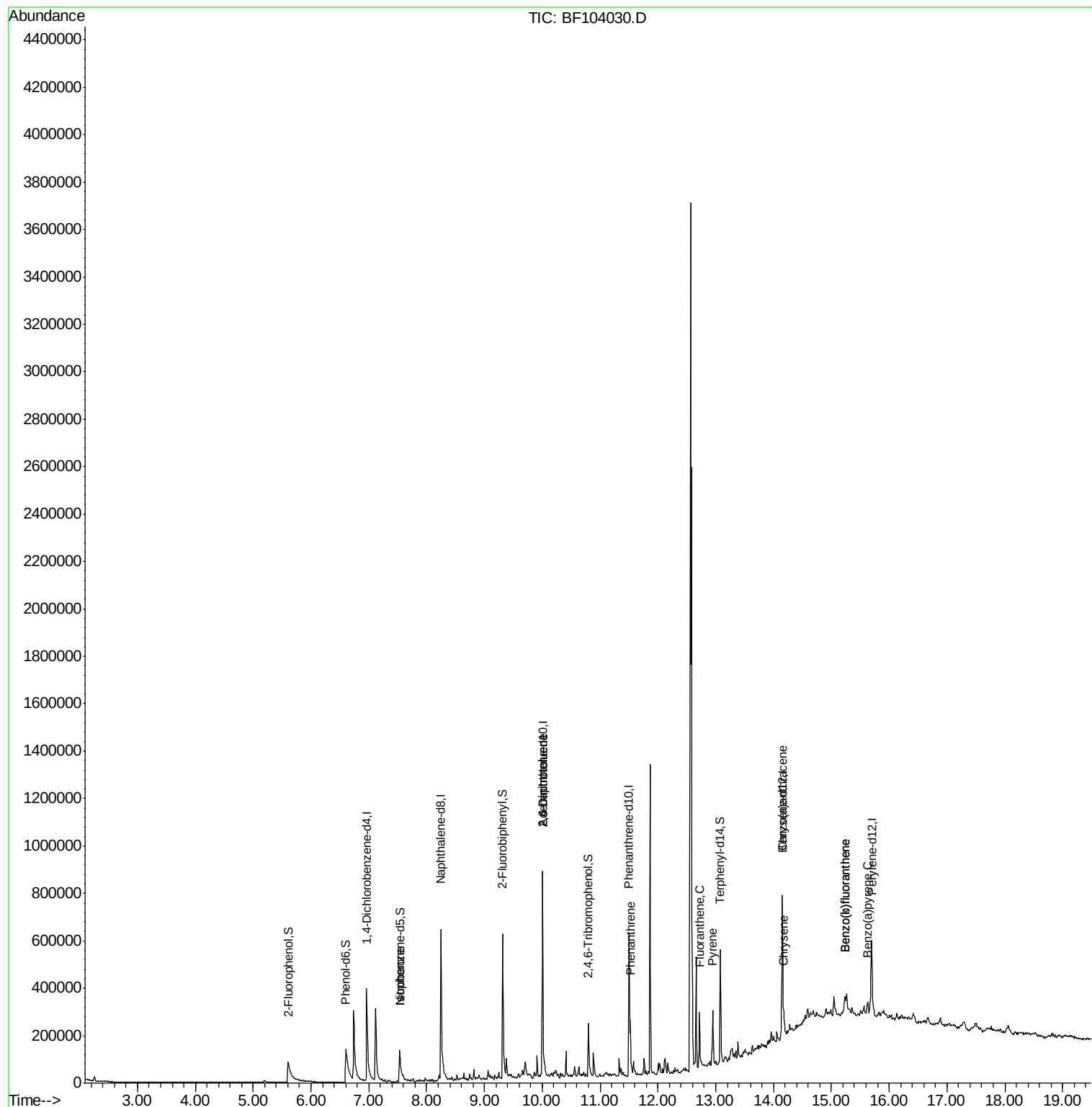
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	116936	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	479492	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	194749	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	289626	20.00	ng	0.00
75) Chrysene-d12	14.16	240	231872	20.00	ng	0.00
86) Perylene-d12	15.70	264	180642	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	114340	15.59	ng	0.00
7) Phenol-d6	6.60	99	202081	22.40	ng	0.00
23) Nitrobenzene-d5	7.53	82	117746	15.02	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	39902	18.40	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	259283	20.99	ng	0.00
78) Terphenyl-d14	13.08	244	177419	17.67	ng	0.00
Target Compounds						
25) Isophorone	7.53	82	117746	8.149	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	26564	8.030	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	27023	6.402	ng	# 23
70) Phenanthrene	11.53	178	91826	5.856	ng	97
74) Fluoranthene	12.72	202	106828	6.409	ng	97
77) Pyrene	12.95	202	103020	6.181	ng	98
80) Benzo(a)anthracene	14.14	228	46624	3.214	ng	95
82) Chrysene	14.18	228	38843	2.733	ng	96
87) Benzo(b)fluoranthene	15.24	252	53797	4.893	ng	# 76
88) Benzo(k)fluoranthene	15.24	252	53797	5.195	ng	# 79
89) Benzo(a)pyrene	15.63	252	29806	2.926	ng	# 81

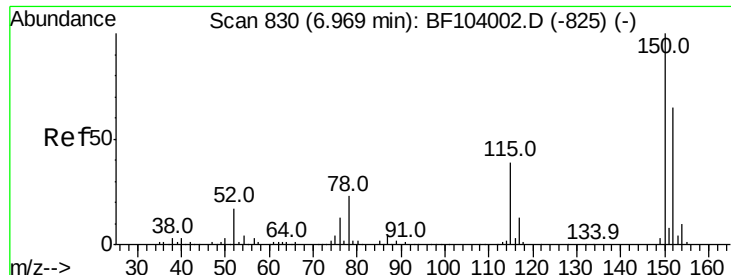
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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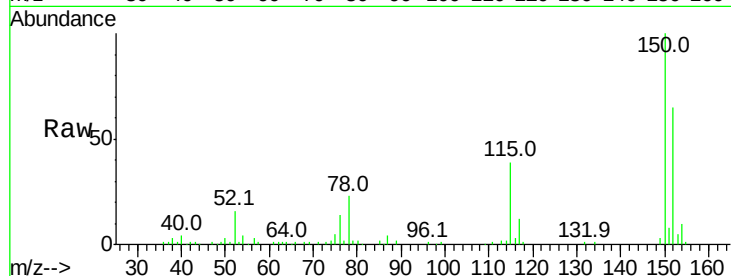


#1

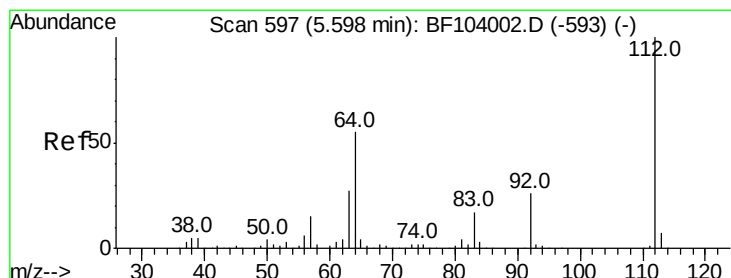
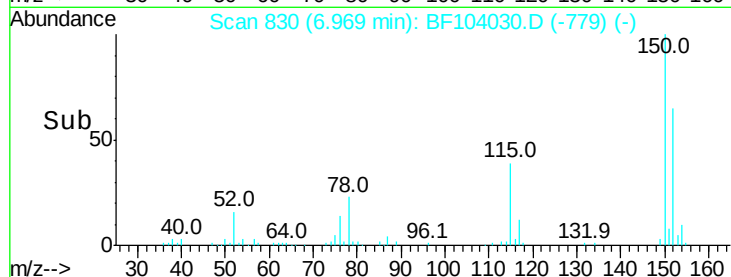
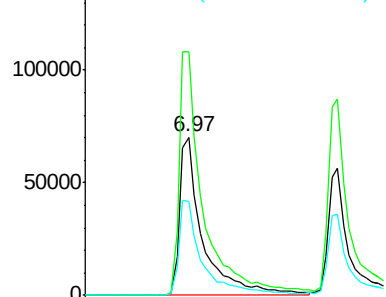
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116936
Ion Ratio Lower Upper
152 100
150 154.0 124.6 186.8
115 59.4 50.1 75.1



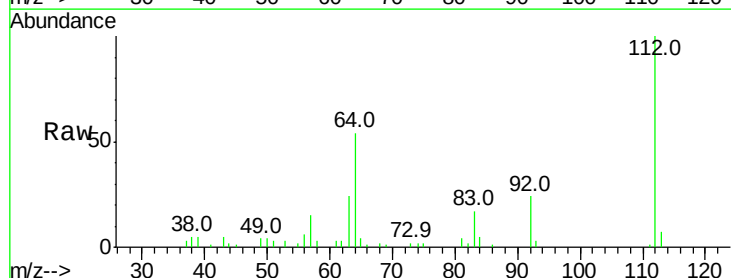
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



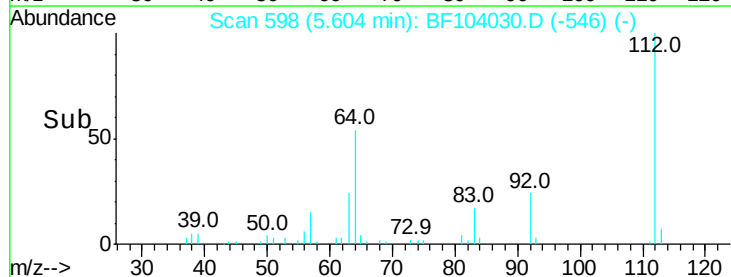
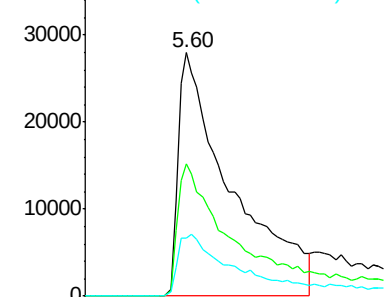
#5

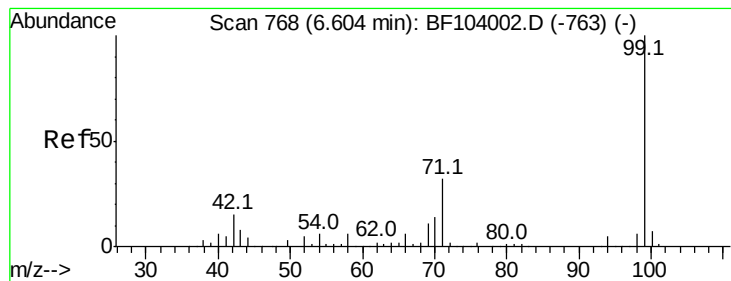
2-Fluorophenol
Concen: 15.593 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Tgt Ion:112 Resp: 114340
Ion Ratio Lower Upper
112 100
64 54.3 47.9 71.9
63 23.9 23.7 35.5



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





#7

Phenol-d6

Concen: 22.401 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

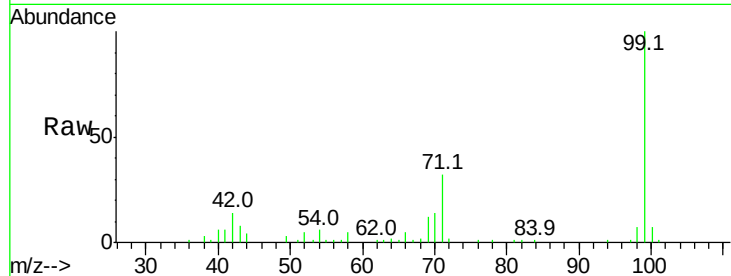
Tot Ion: 99 Resp: 202081

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

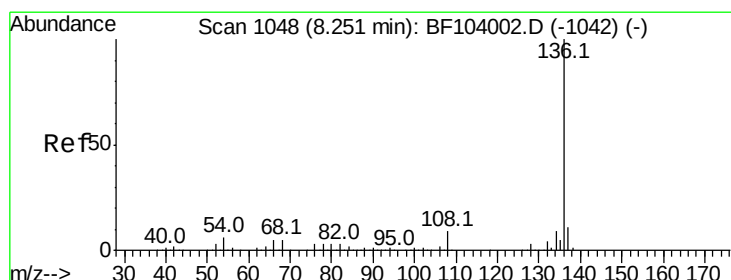
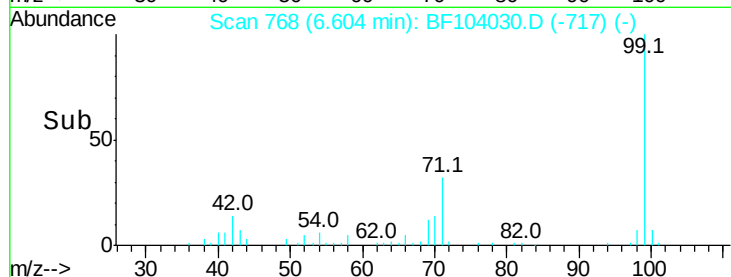
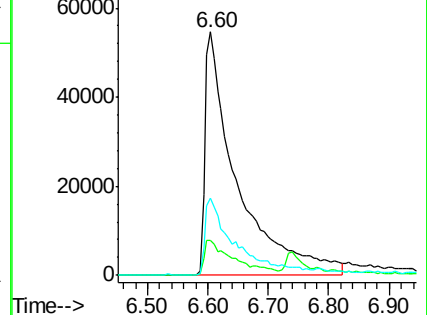
71 31.6 25.4 38.0



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: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Tgt Ion: 136 Resp: 479492

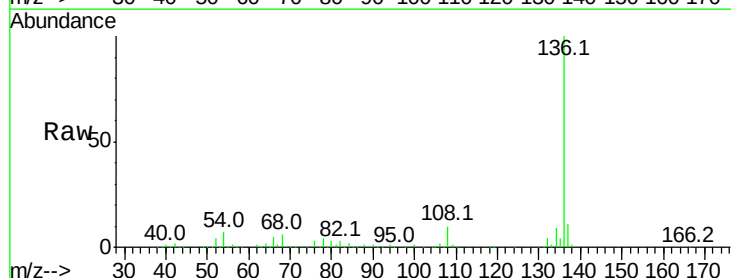
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.0 6.6 9.8

68 6.3 5.0 7.4

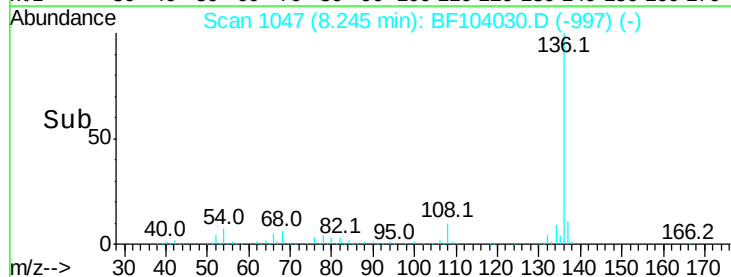
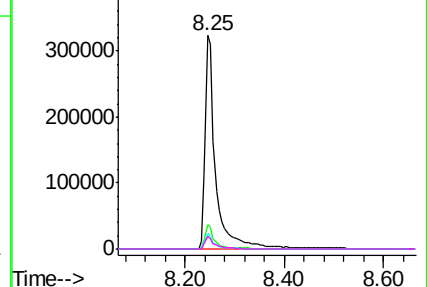


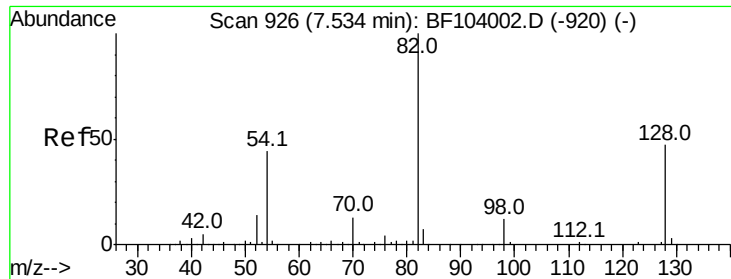
Abundance Ion 136.00 (135.70 to 136.70): E

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

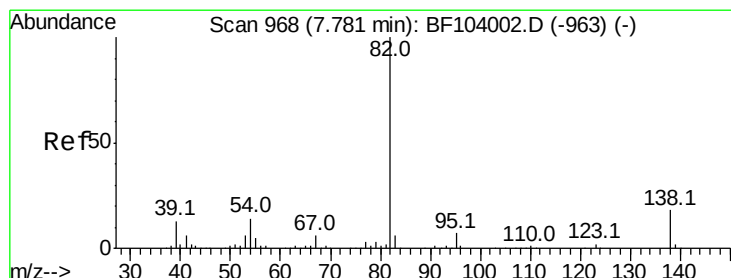
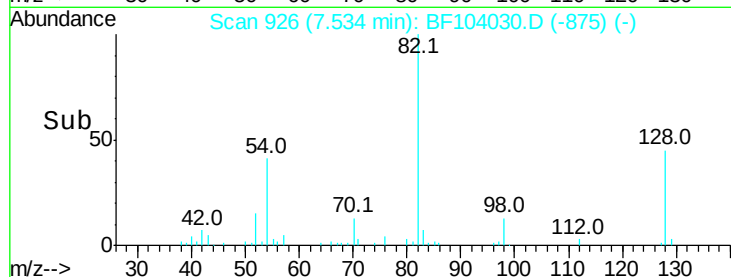
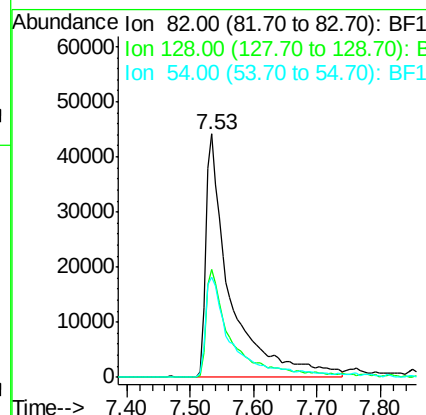
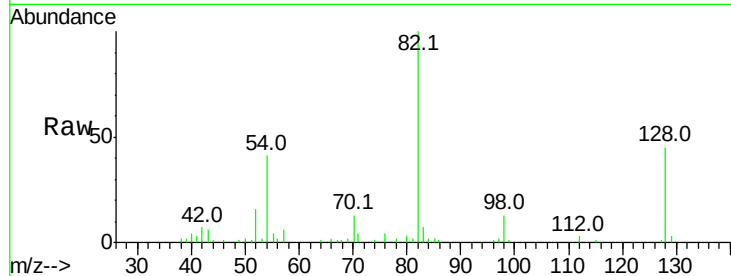




#23
 Nitrobenzene-d5
 Concen: 15.018 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

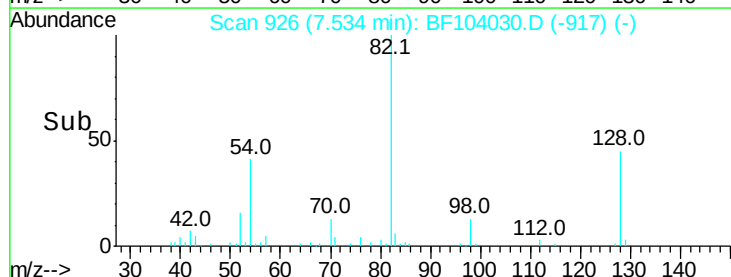
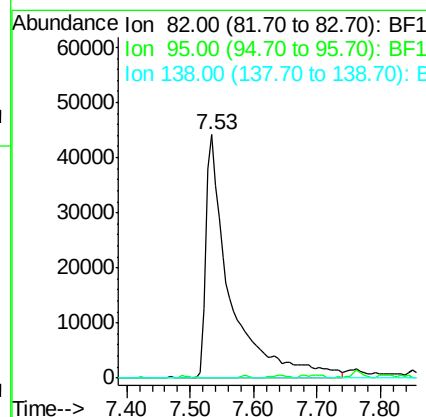
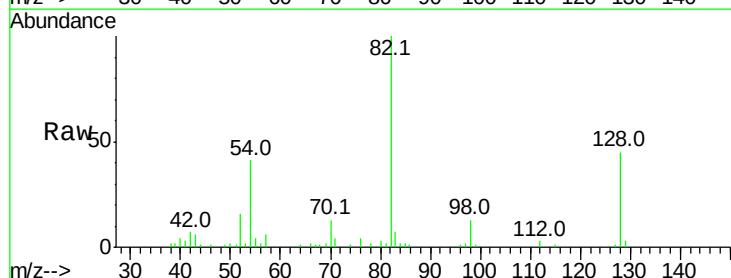
Instrument :
 BNA_F
 ClientSampled :

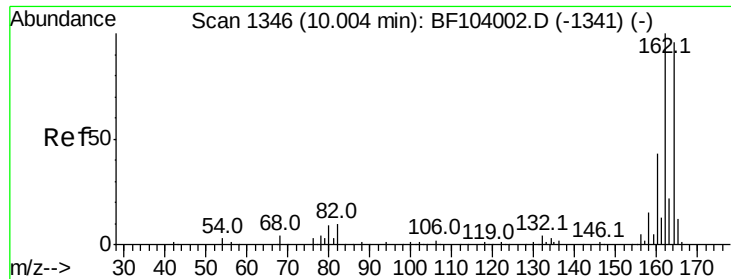
Tot Ion: 82 Resp: 117746
 Ion Ratio Lower Upper
 82 100
 128 44.6 36.1 54.1
 54 41.3 41.4 62.2#



#25
 Isophorone
 Concen: 8.149 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.25 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Tgt Ion: 82 Resp: 117746
 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# 1346

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

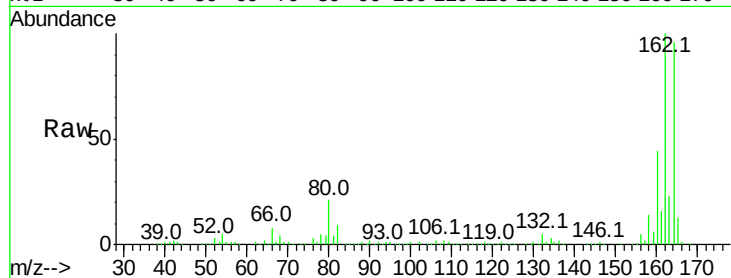
Tot Ion:164 Resp: 194749

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

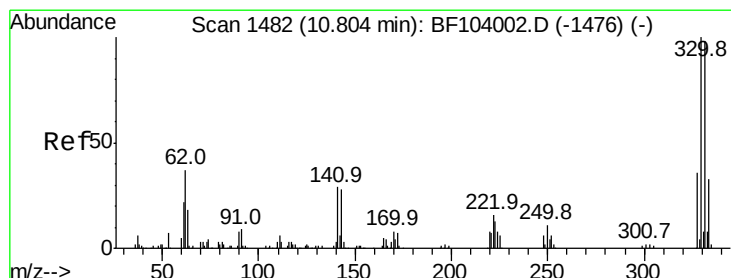
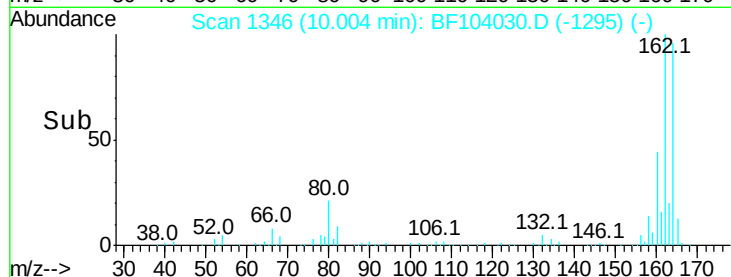
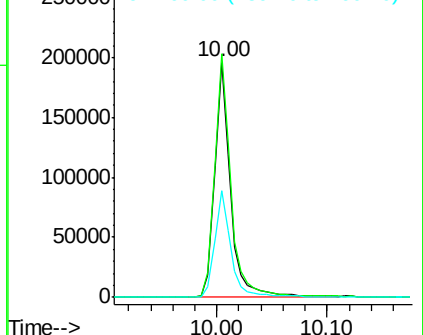
160 45.3 38.3 57.5



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: 18.400 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

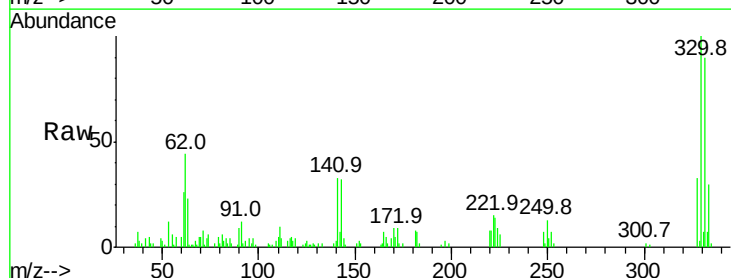
Tgt Ion:330 Resp: 39902

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

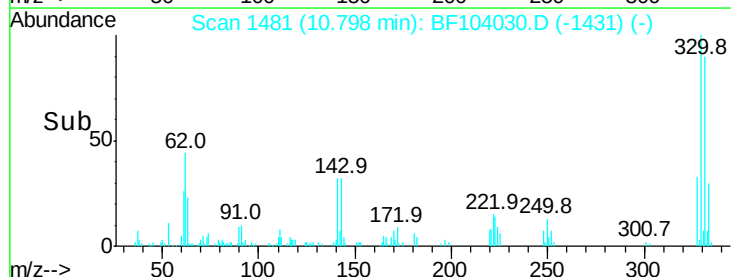
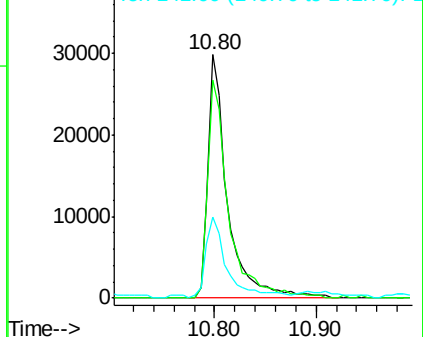
141 36.4 29.9 44.9

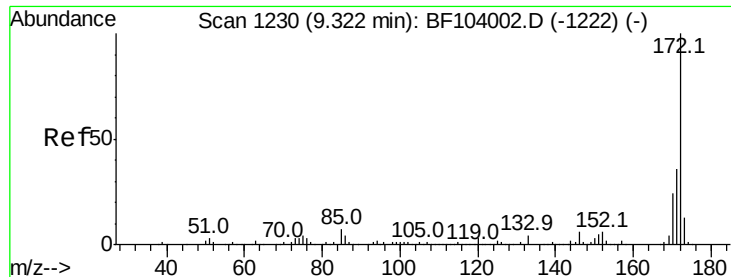


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

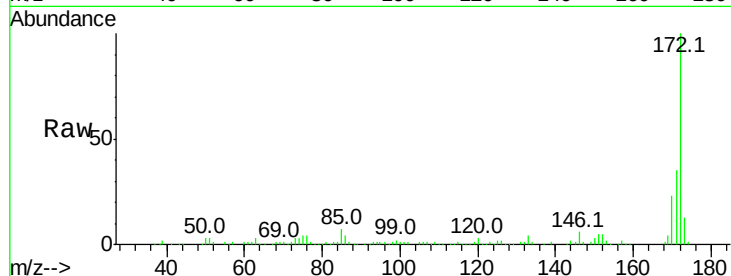




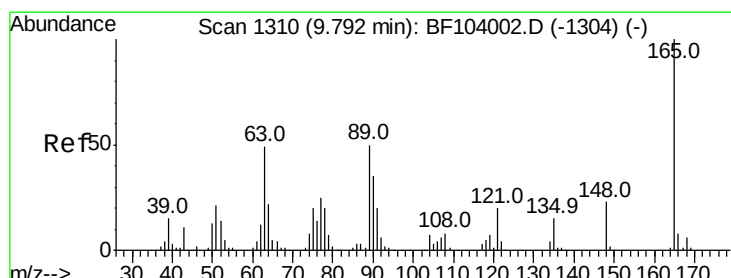
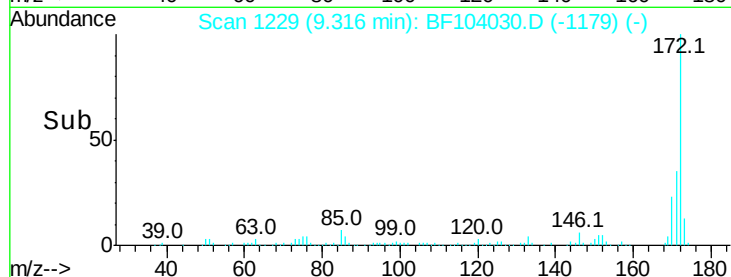
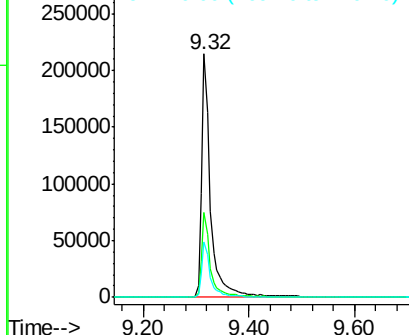
#44
 2-Fluorobiphenyl
 Concen: 20.995 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	22.6	19.6	29.4

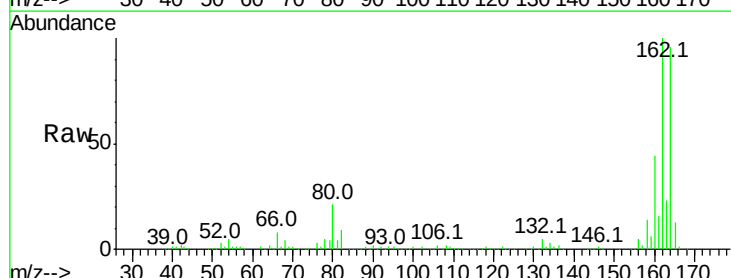


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

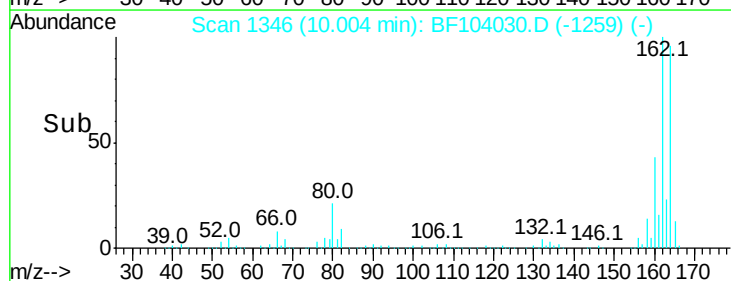
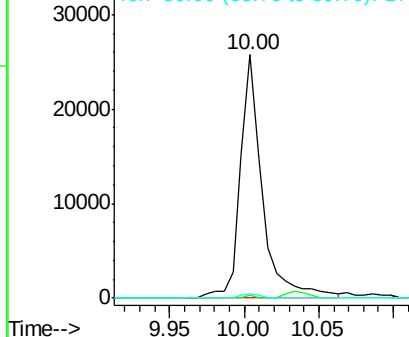


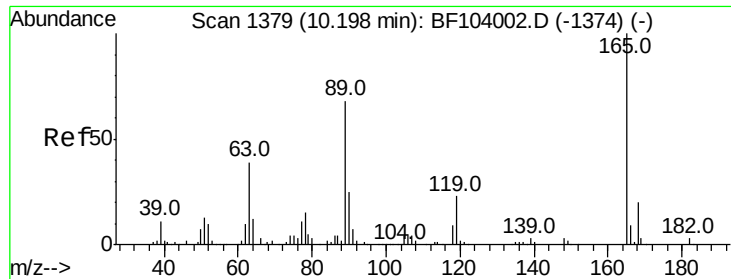
#50
 2,6-Dinitrotoluene
 Concen: 8.030 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.21 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.6	44.0	66.0#



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

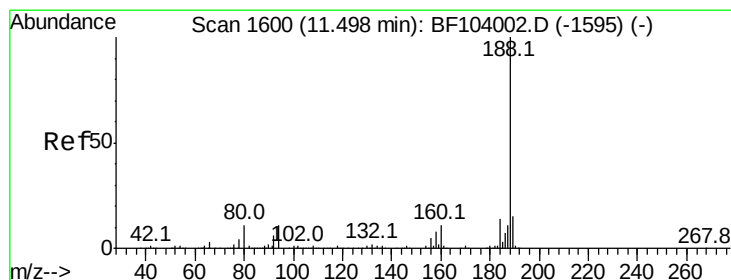
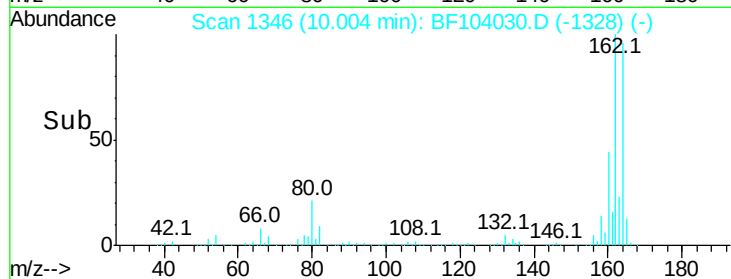
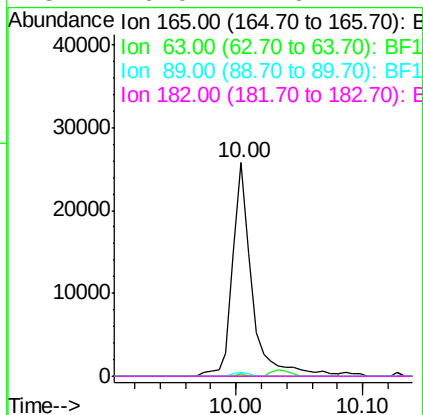
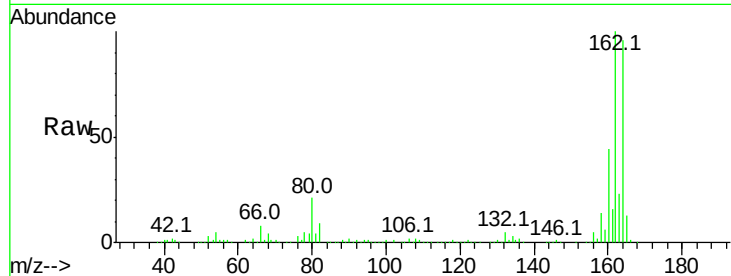




#56
 2,4-Dinitrotoluene
 Concen: 6.402 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.19 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

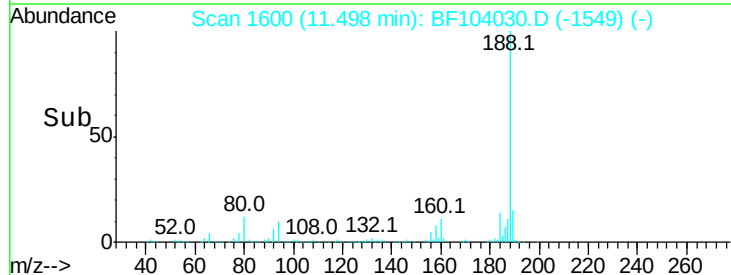
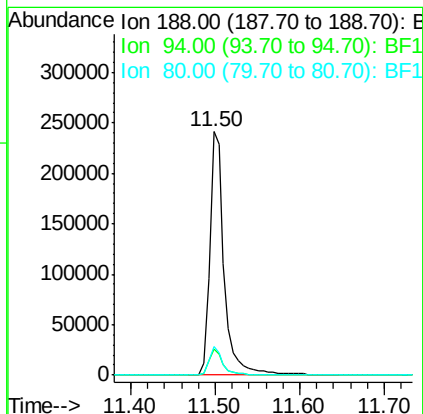
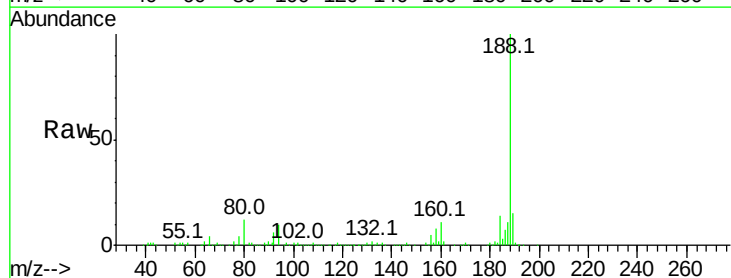
Instrument :
 BNA_F
 ClientSampleId :

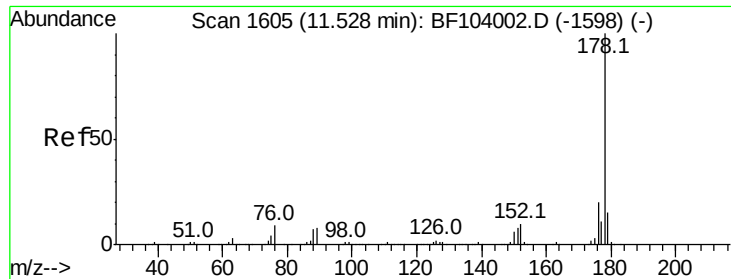
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.6	9.2	13.8





#70

Phenanthrene

Concen: 5.856 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

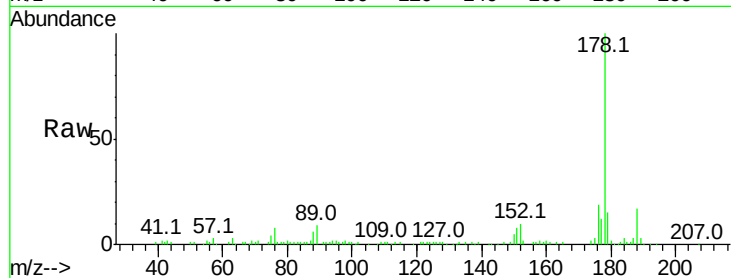
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 91826

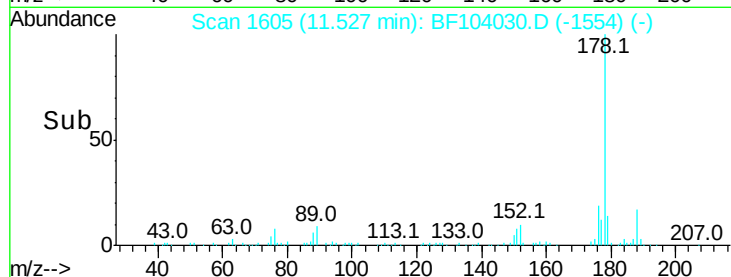
Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.9	13.0	19.6



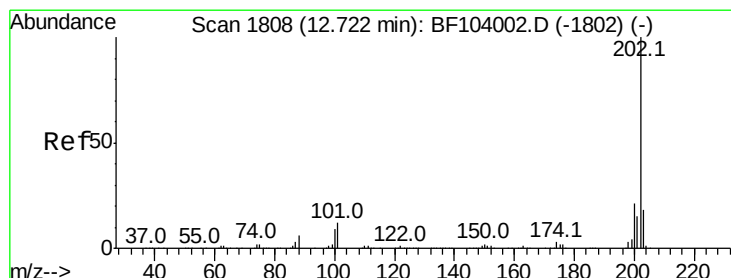
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 6.409 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

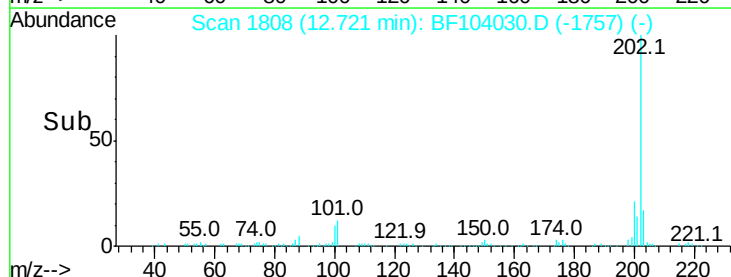
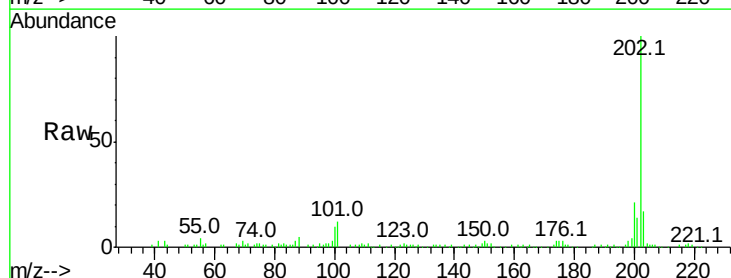
Tgt Ion:202 Resp: 106828

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.3	0.0	38.1

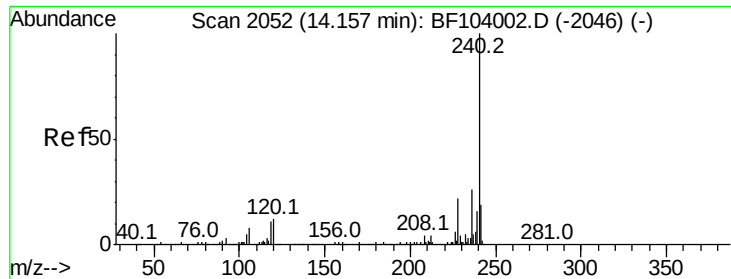
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

ClientSampled :

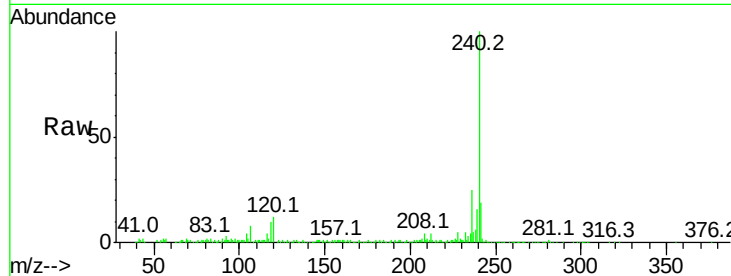
Tot Ion:240 Resp: 231872

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

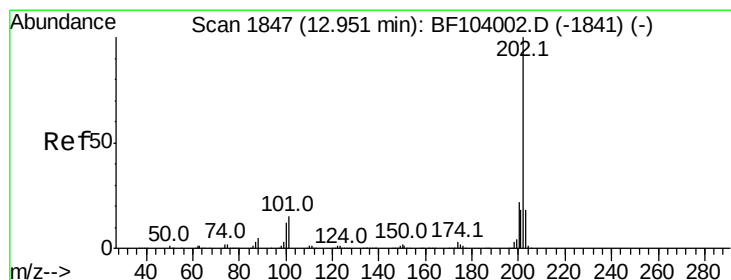
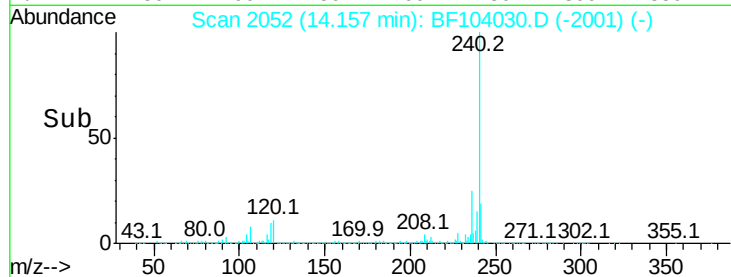
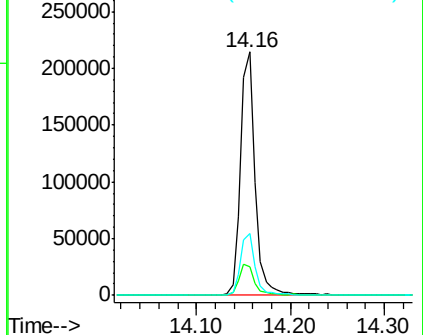
236 25.2 20.7 31.1



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: 6.181 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

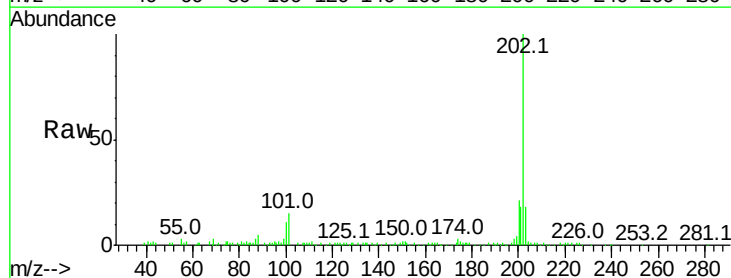
Tgt Ion:202 Resp: 103020

Ion Ratio Lower Upper

202 100

200 20.5 17.4 26.2

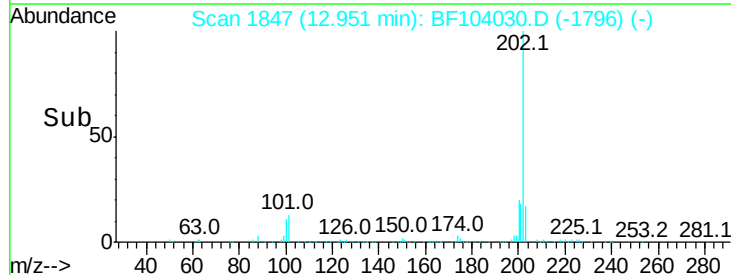
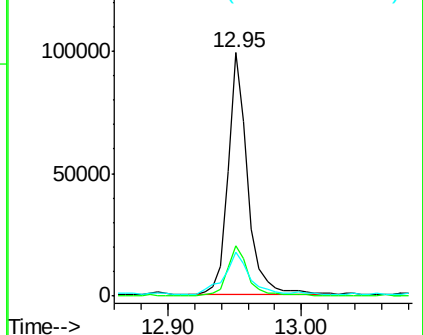
203 18.0 14.3 21.5

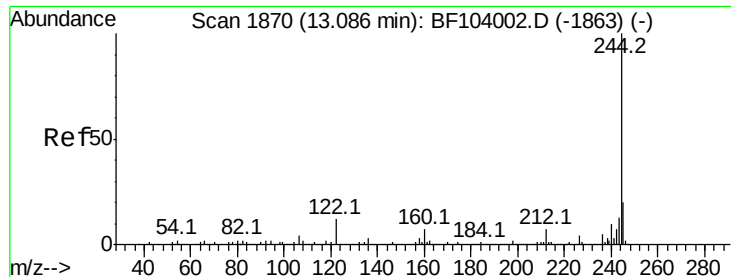


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 17.667 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

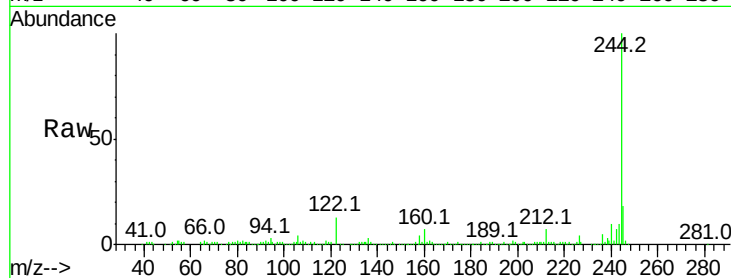
Tot Ion:244 Resp: 177419

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

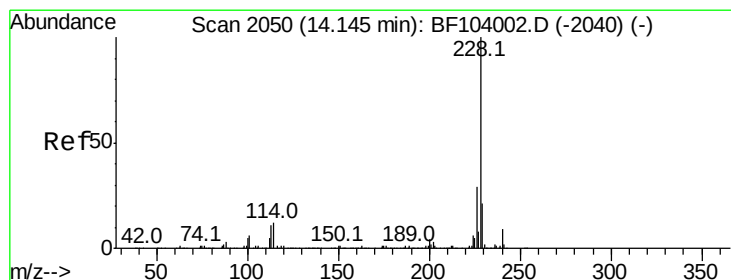
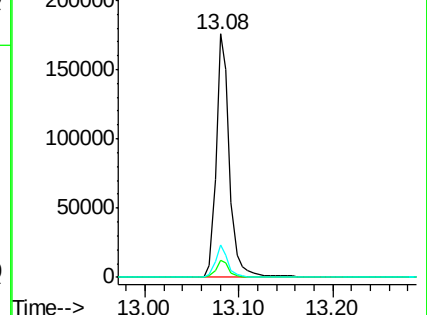
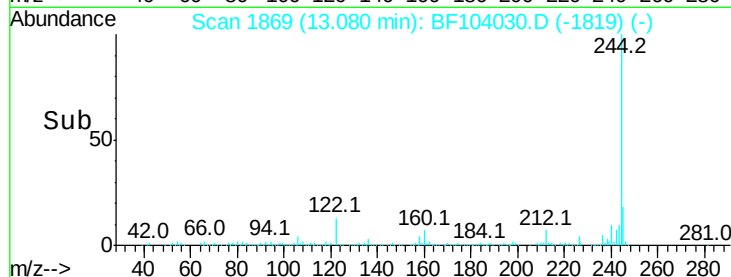
122 13.3 11.0 16.4



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: 3.214 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

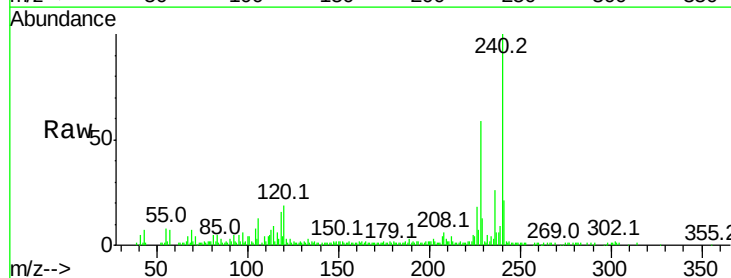
Tgt Ion:228 Resp: 46624

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

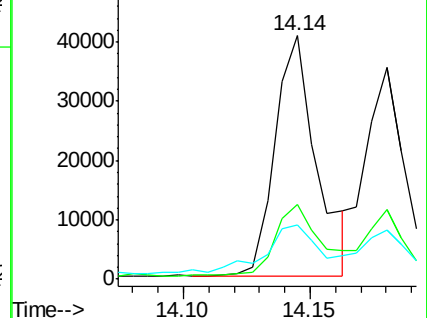
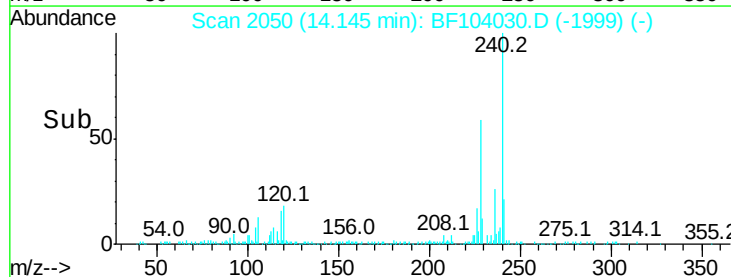
229 22.2 15.8 23.6

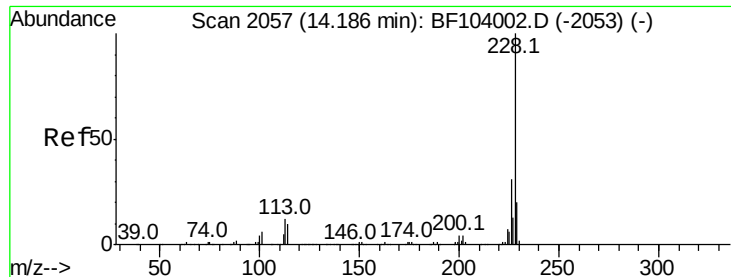


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

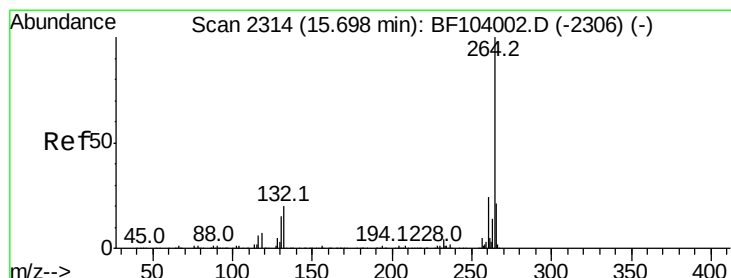
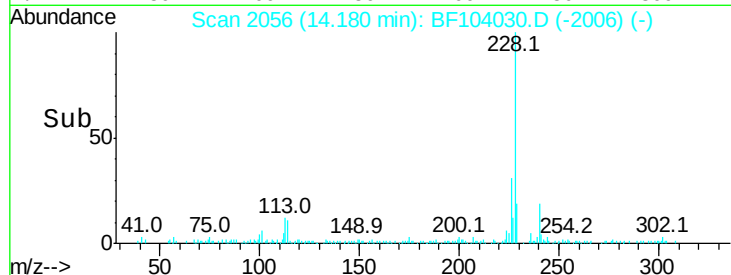
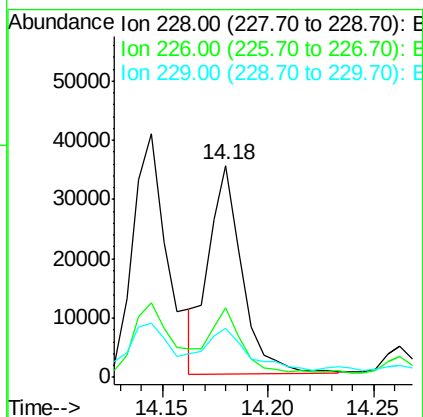
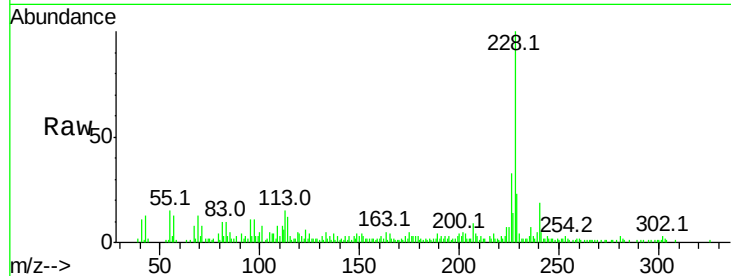




#82
 Chrysene
 Concen: 2.733 ng
 RT: 14.18 min Scan# 2056
 Delta R.T. -0.01 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

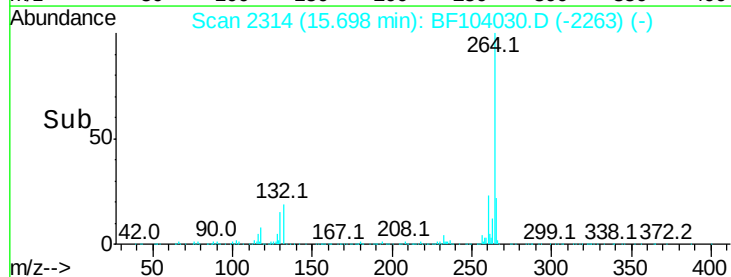
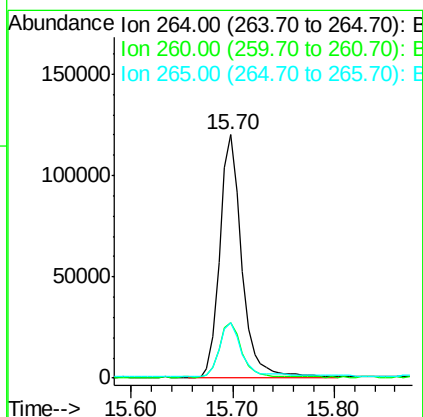
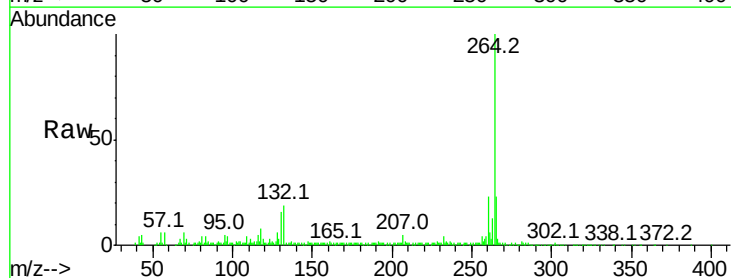
Instrument :
 BNA_F
 ClientSampled :

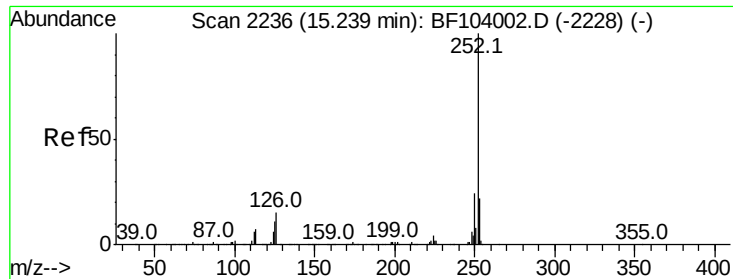
Tot Ion:228 Resp: 38843
 Ion Ratio Lower Upper
 228 100
 226 32.9 25.0 37.6
 229 23.2 16.2 24.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2314
 Delta R.T. -0.00 min
 Lab File: BF104030.D
 Acq: 29 Mar 2018 00:13

Tgt Ion:264 Resp: 180642
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 22.7 17.5 26.3

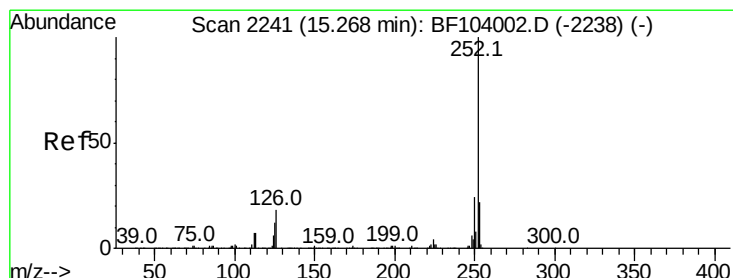
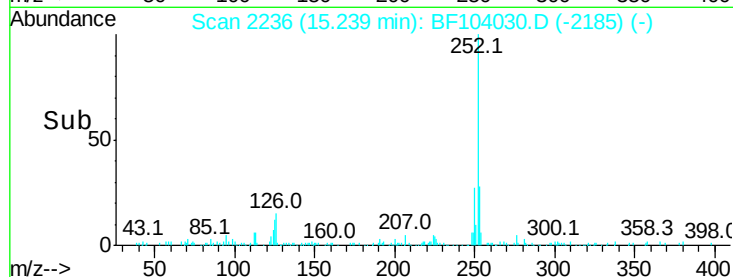
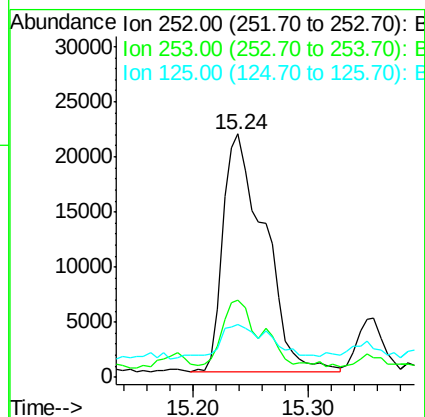
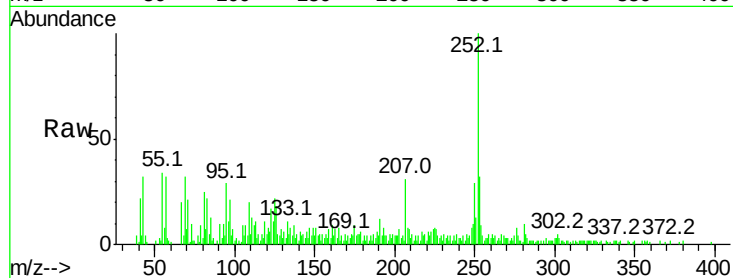




#87
Benzo(b)fluoranthene
Concen: 4.893 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

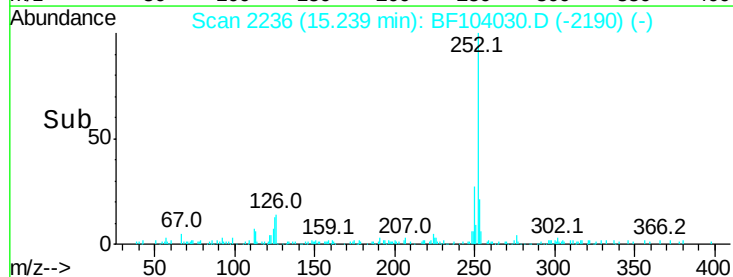
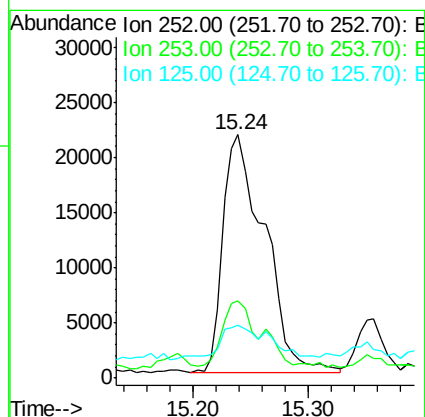
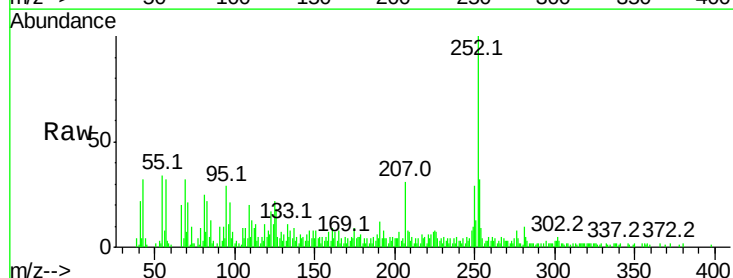
Instrument :
BNA_F
ClientSampleId :

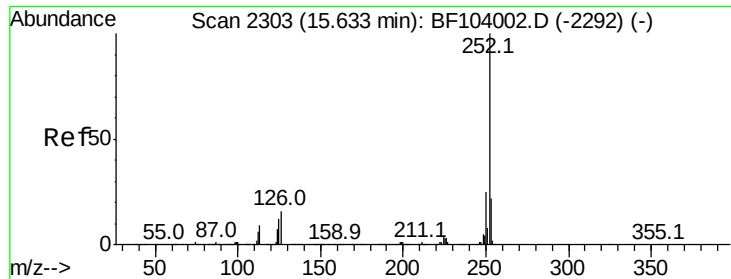
Tot Ion:252 Resp: 53797
Ion Ratio Lower Upper
252 100
253 31.7 17.0 25.6#
125 22.0 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 5.195 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.03 min
Lab File: BF104030.D
Acq: 29 Mar 2018 00:13

Tgt Ion:252 Resp: 53797
Ion Ratio Lower Upper
252 100
253 31.7 17.9 26.9#
125 22.0 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.926 ng

RT: 15.63 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BF104030.D

Acq: 29 Mar 2018 00:13

Instrument :

BNA_F

ClientSampleId :

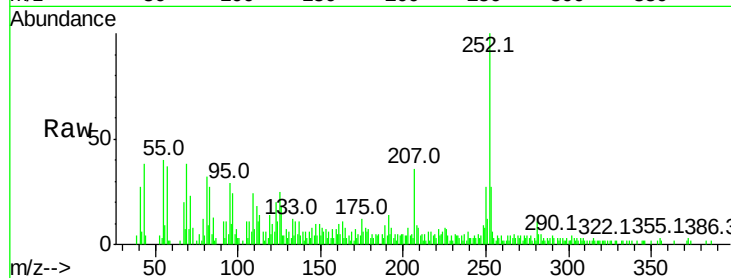
Tot Ion:252 Resp: 29806

Ion Ratio Lower Upper

252 100

253 27.1 17.1 25.7#

125 24.8 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

