

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104053.D
 Acq On : 29 Mar 2018 16:15
 Operator : JU/SJ
 Sample : J1754-11 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 30 03:49:20 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	116314	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	481351	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	210858	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	318122	20.00	ng	0.00
75) Chrysene-d12	14.16	240	241715	20.00	ng	0.00
86) Perylene-d12	15.70	264	208075	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	83079	11.39	ng	0.00
7) Phenol-d6	6.60	99	157675	17.57	ng	0.00
23) Nitrobenzene-d5	7.53	82	90317	11.47	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	43550	18.55	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	243138	18.18	ng	0.00
78) Terphenyl-d14	13.09	244	174778	16.70	ng	0.00

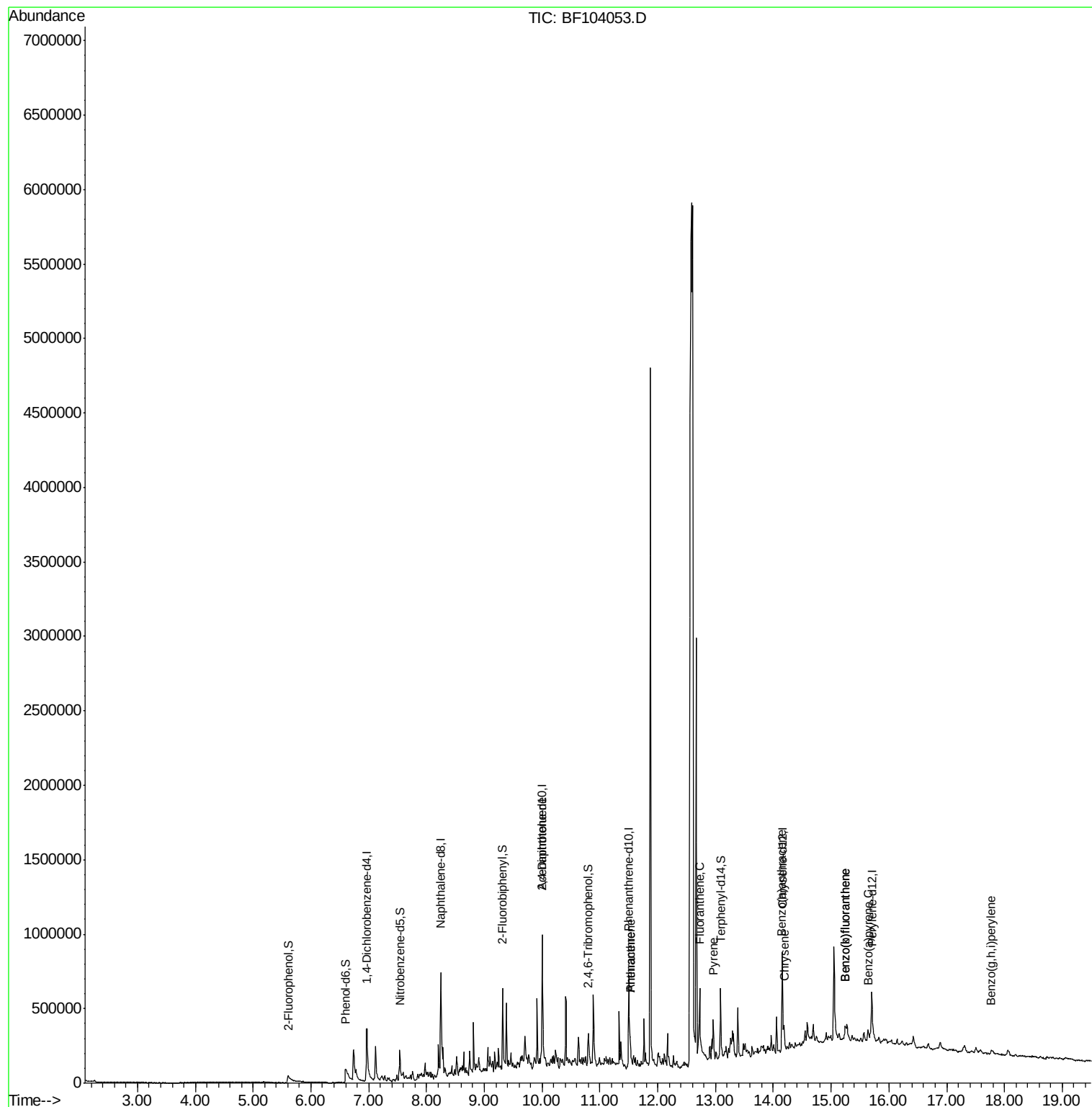
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	157	Below Cal		# 1
56) 2,4-Dinitrotoluene	10.00	165	31886	6.977	ng	# 24
70) Phenanthrene	11.53	178	52804	3.066	ng	# 99
71) Anthracene	11.53	178	52804	2.935	ng	# 98
74) Fluoranthene	12.72	202	93806	5.124	ng	# 98
77) Pyrene	12.96	202	133071	7.658	ng	# 99
80) Benzo(a)anthracene	14.14	228	71272	4.712	ng	# 91
82) Chrysene	14.19	228	64727	4.369	ng	# 96
87) Benzo(b)fluoranthene	15.24	252	78771	6.220	ng	# 84
88) Benzo(k)fluoranthene	15.24	252	78771	6.603	ng	# 87
89) Benzo(a)pyrene	15.64	252	49668	4.232	ng	# 90
91) Benzo(a,h,i)perylene	17.78	276	29418	2.707	ng	# 92

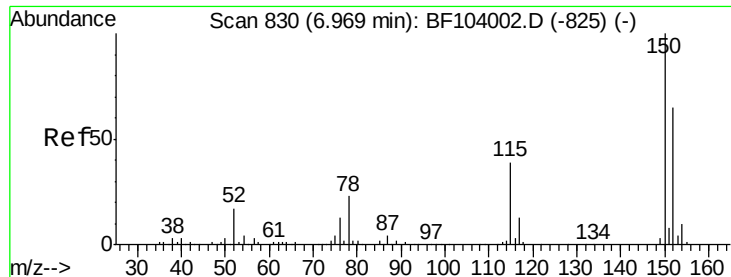
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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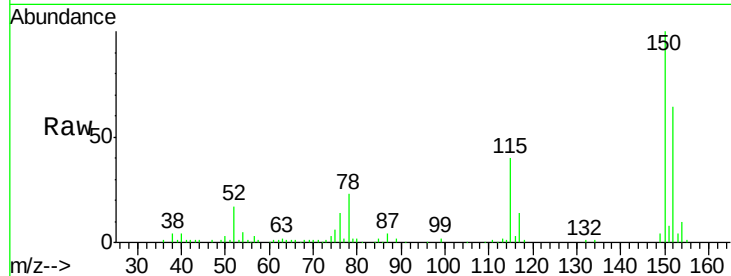


#1

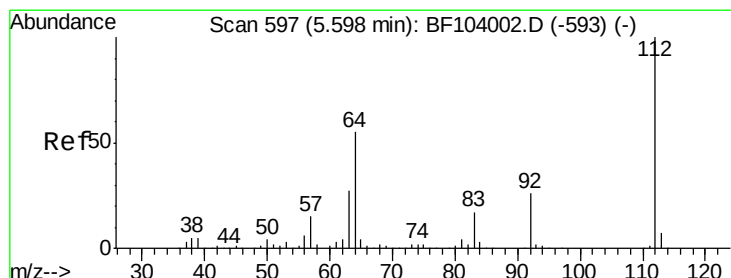
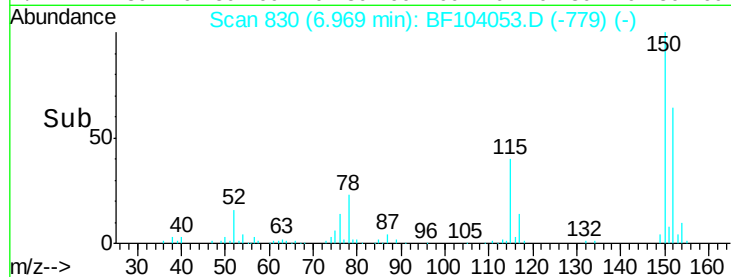
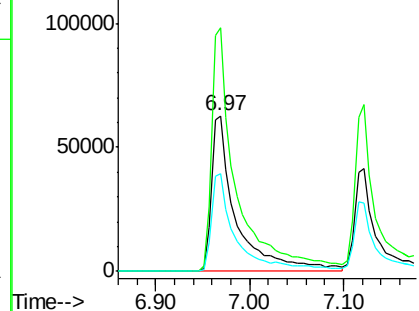
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116314
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 62.9 50.1 75.1



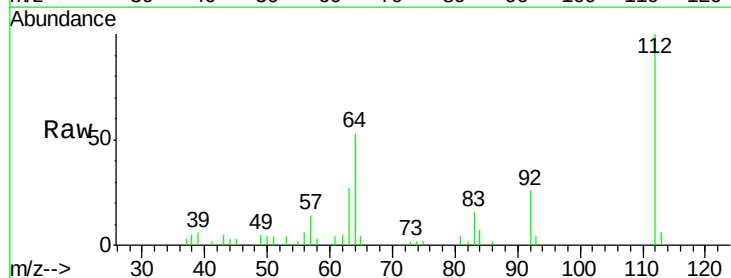
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



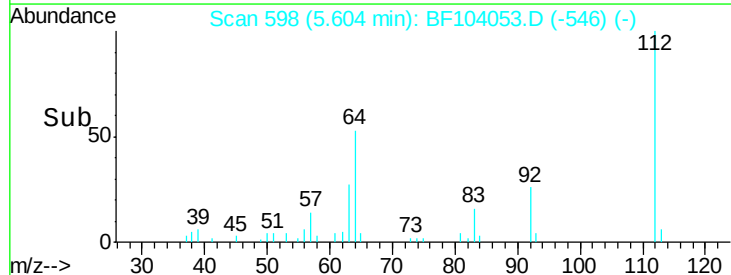
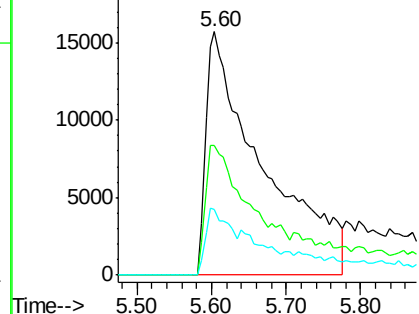
#5

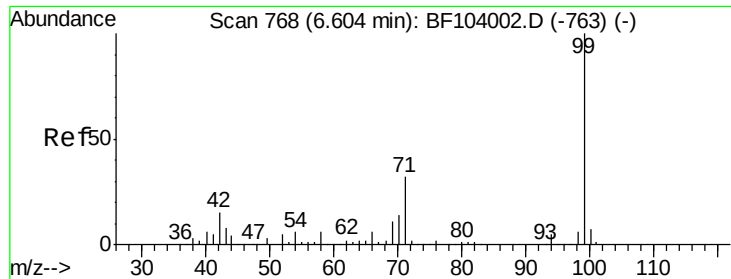
2-Fluorophenol
Concen: 11.391 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Tgt Ion:112 Resp: 83079
Ion Ratio Lower Upper
112 100
64 53.3 47.9 71.9
63 27.0 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: 17.572 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

ClientSampleId :

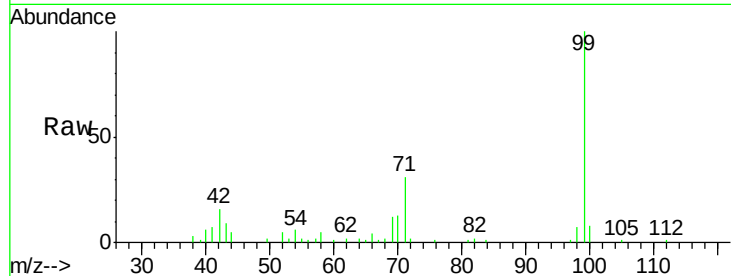
Tot Ion: 99 Resp: 157675

Ion Ratio Lower Upper

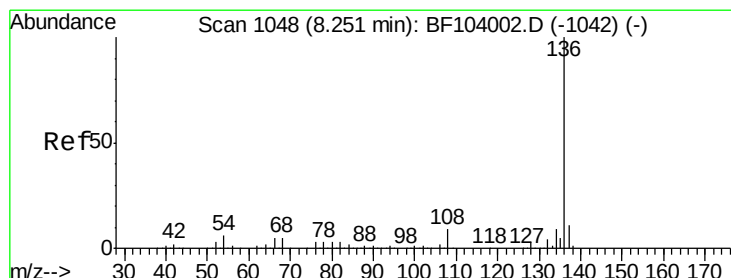
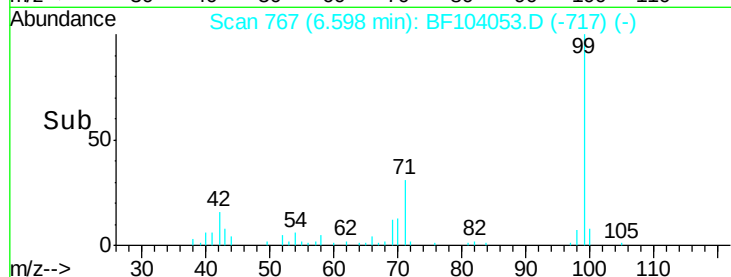
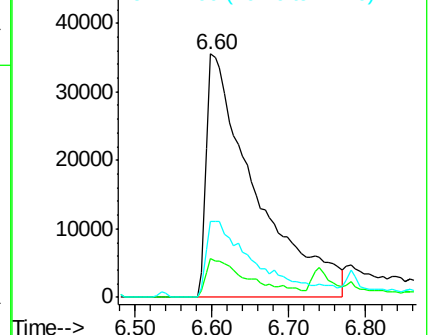
99 100

42 16.1 14.5 21.7

71 30.9 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: BF104053.D

Acq: 29 Mar 2018 16:15

Tgt Ion: 136 Resp: 481351

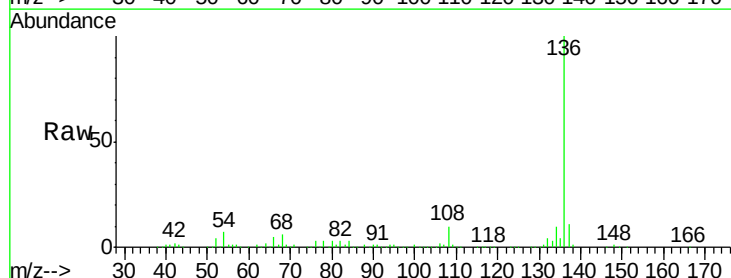
Ion Ratio Lower Upper

136 100

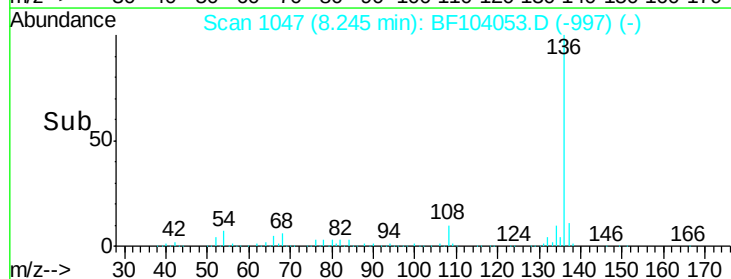
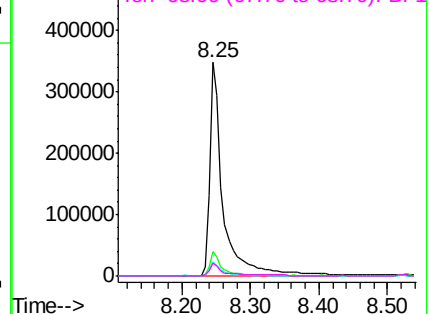
137 11.1 8.9 13.3

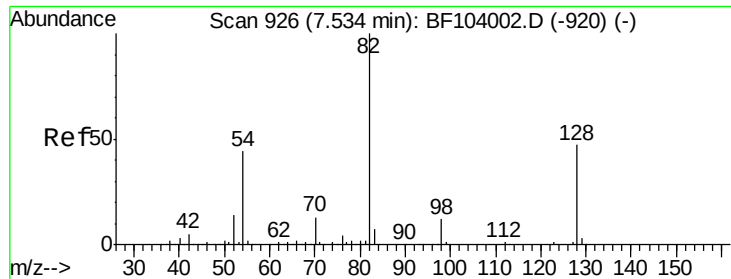
54 6.9 6.6 9.8

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

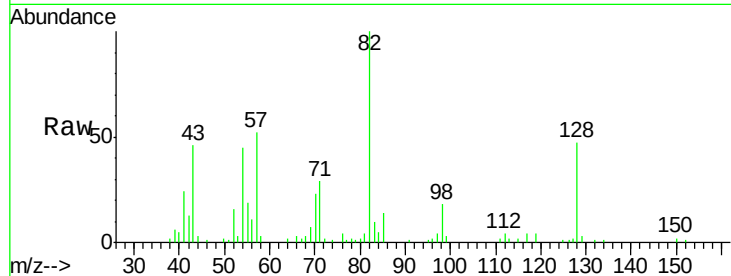




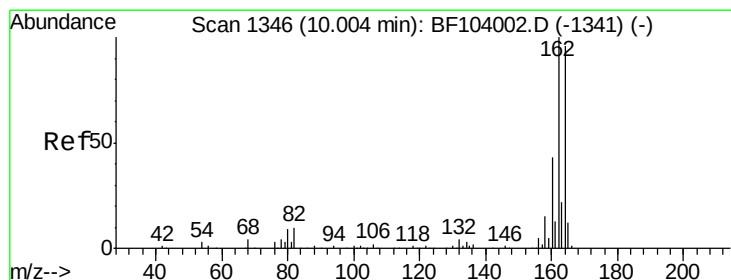
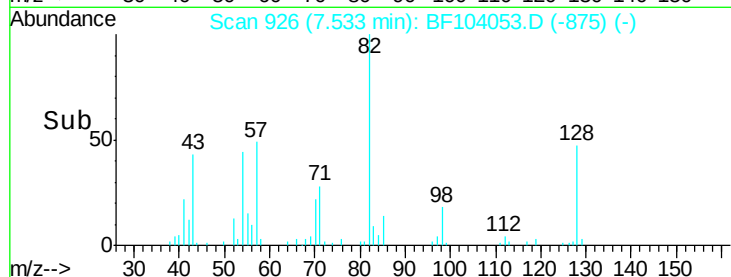
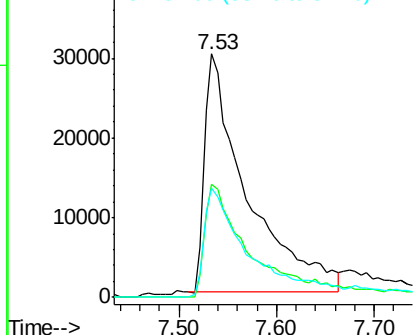
#23
 Nitrobenzene-d5
 Concen: 11.475 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	90317
Ion Ratio	Lower	Upper	
82	100		
128	46.5	36.1	54.1
54	44.8	41.4	62.2

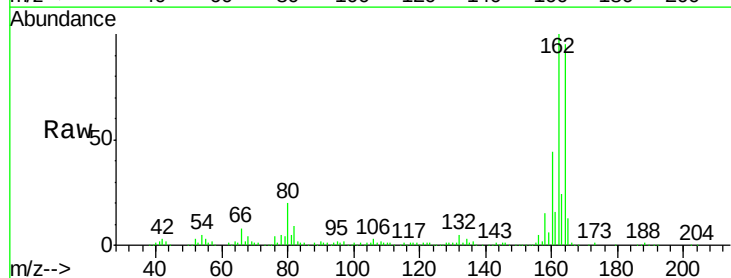


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

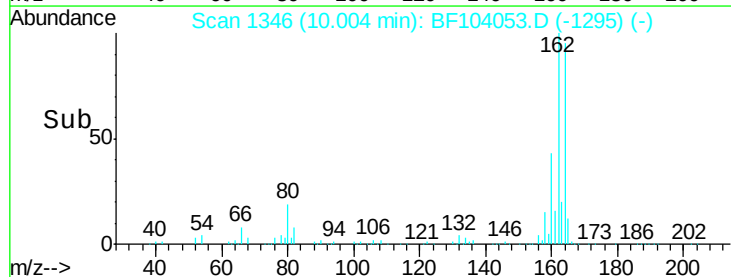
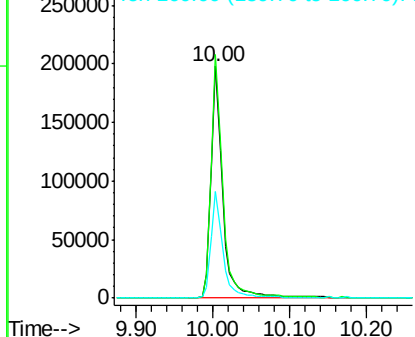


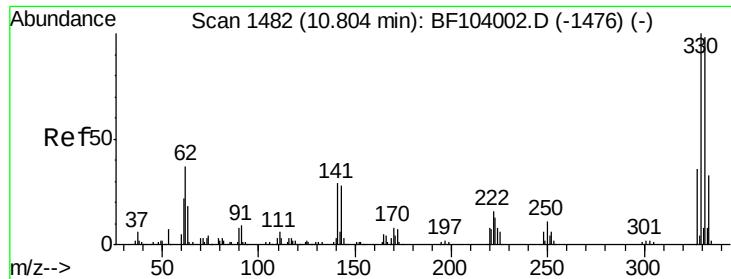
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Tgt Ion	164	Resp	210858
Ion Ratio	Lower	Upper	
164	100		
162	105.0	86.1	129.1
160	45.7	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1

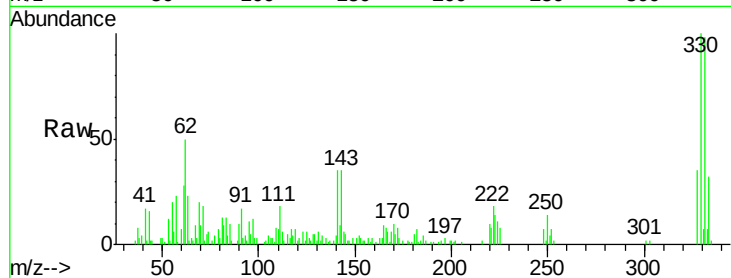




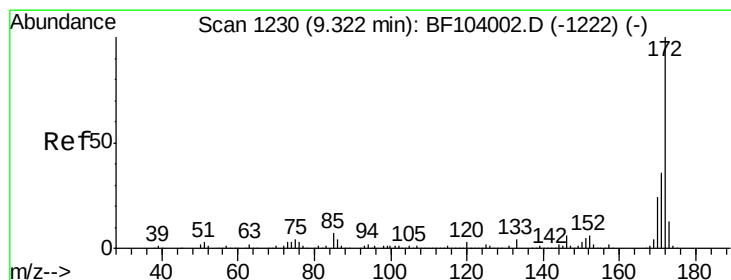
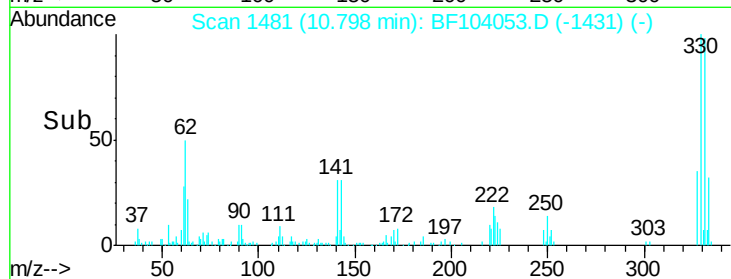
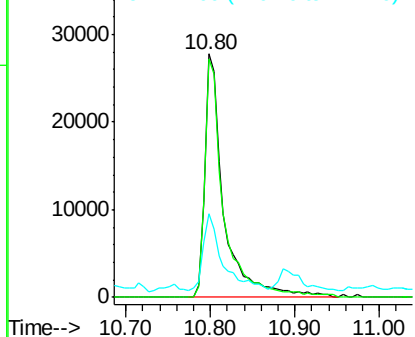
#41
 2,4,6-Tribromophenol
 Concen: 18.548 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 43550
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.0 115.6
 141 32.6 29.9 44.9

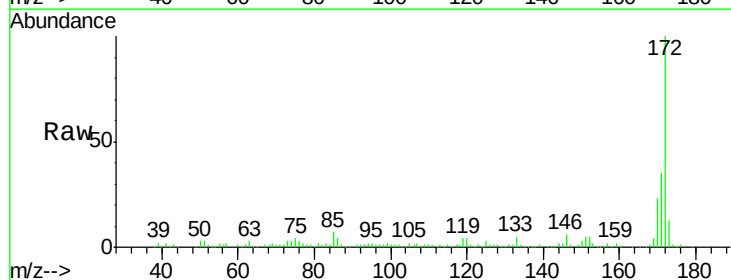


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

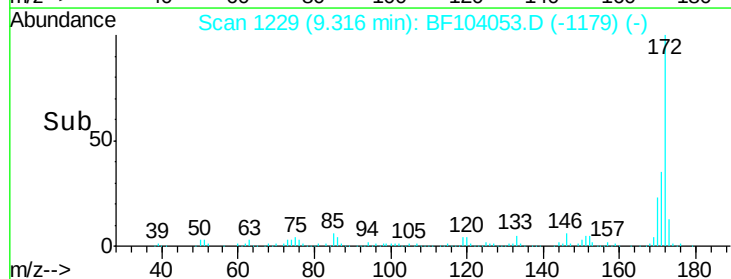
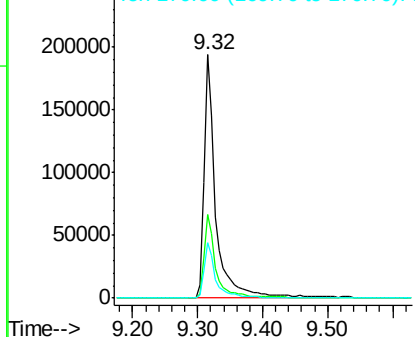


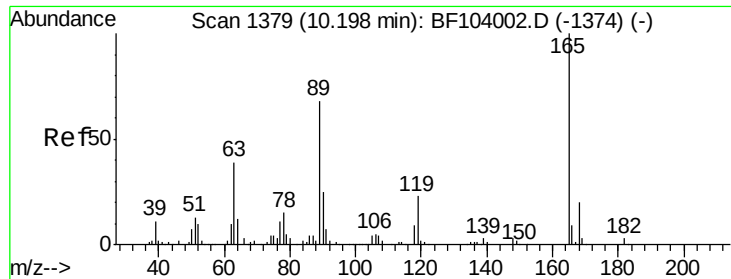
#44
 2-Fluorobiphenyl
 Concen: 18.183 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Tgt Ion:172 Resp: 243138
 Ion Ratio Lower Upper
 172 100
 171 34.5 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

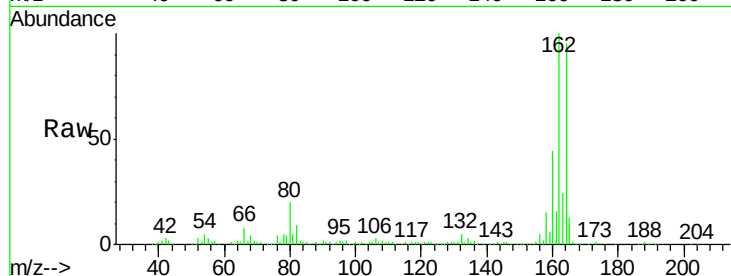




#56
 2,4-Dinitrotoluene
 Concen: 6.977 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.19 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.4	54.6#
89	2.5	57.8	86.6#
182	0.0	1.6	2.4#

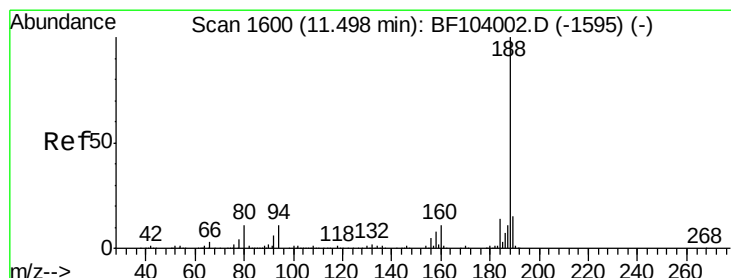
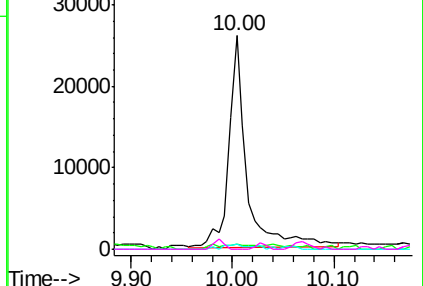
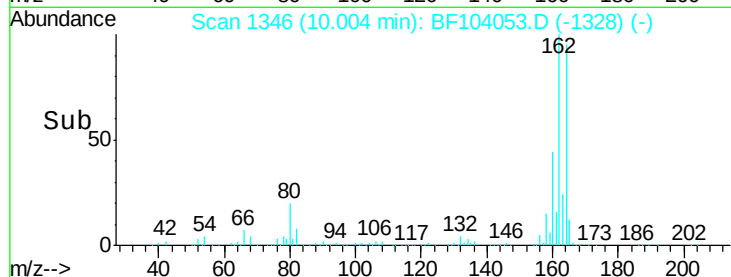


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

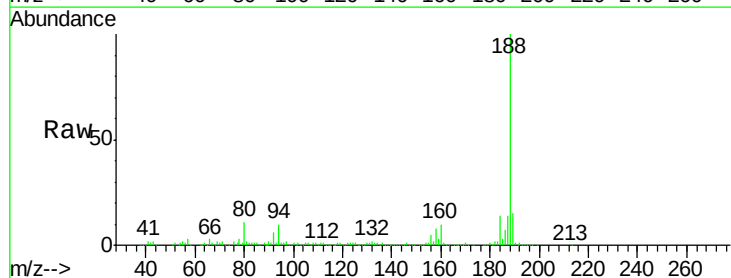
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF104053.D
 Acq: 29 Mar 2018 16:15

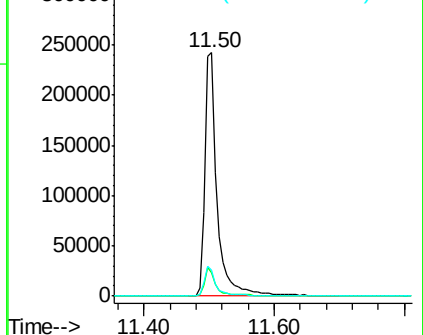
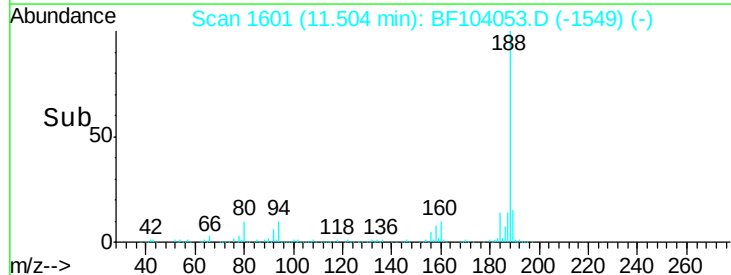
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.6	9.2	13.8

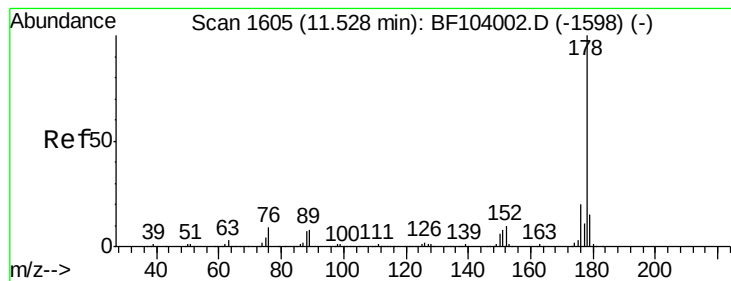


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 3.066 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

ClientSampleId :

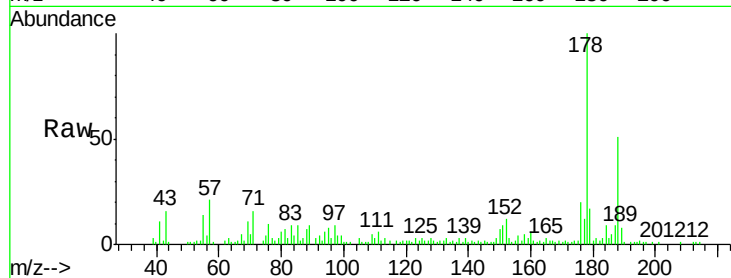
Tot Ion:178 Resp: 52804

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

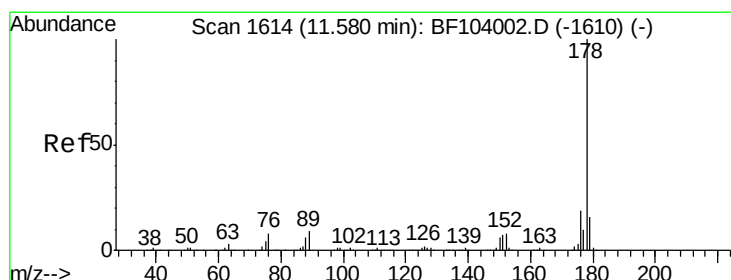
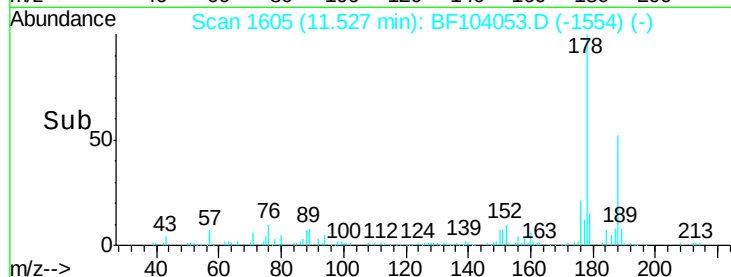
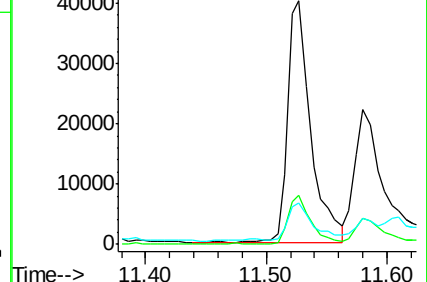
179 16.9 13.0 19.6



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



#71

Anthracene

Concen: 2.935 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.05 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

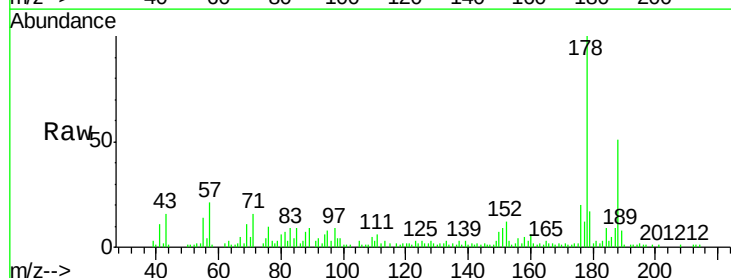
Tgt Ion:178 Resp: 52804

Ion Ratio Lower Upper

178 100

176 20.3 15.4 23.2

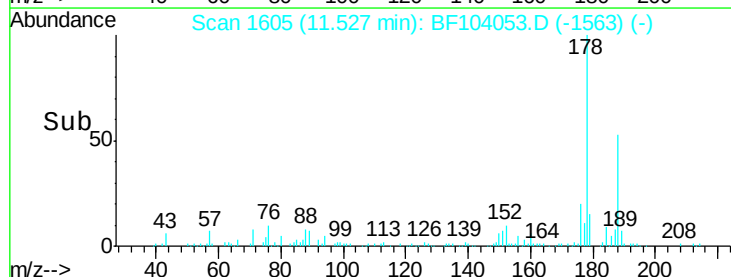
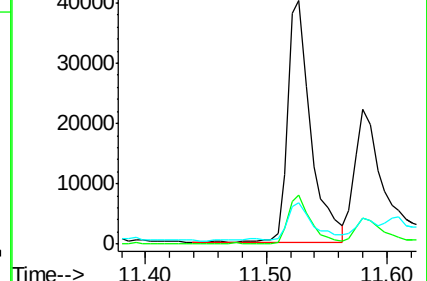
179 16.9 12.6 19.0

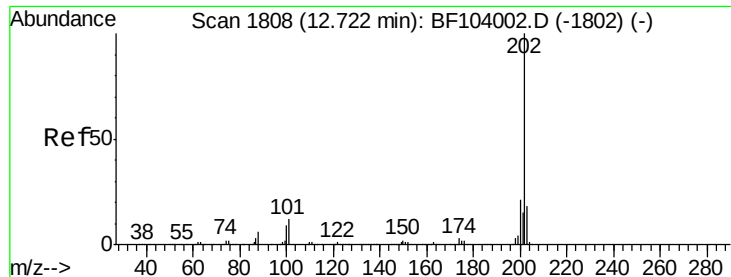


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.124 ng

RT: 12.72 min Scan# 1808

Delta R.T. -0.00 min

Lab File: BF104053.D

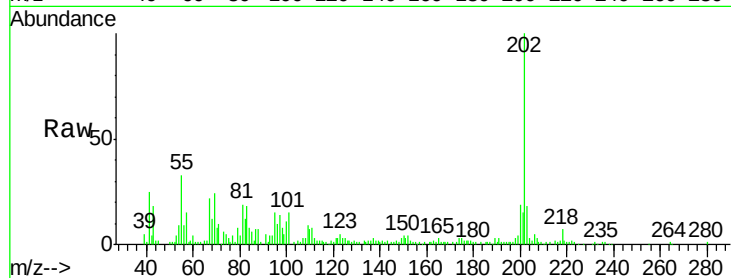
Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

ClientSampled :

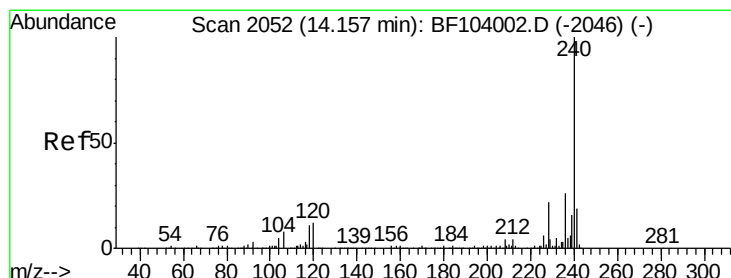
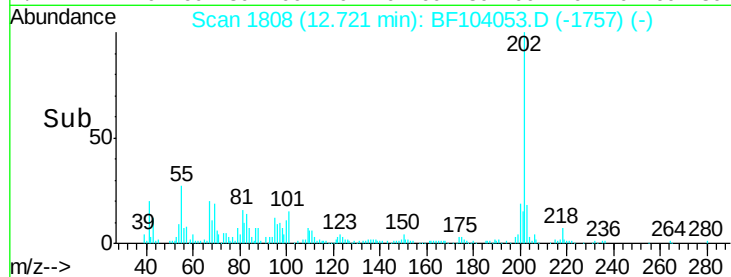
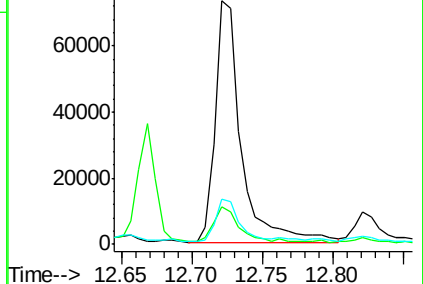
Tot Ion:	202	Resp:	93806
Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	34.1
203	18.4	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

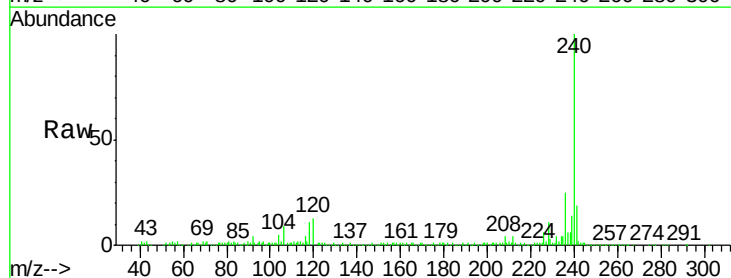
RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

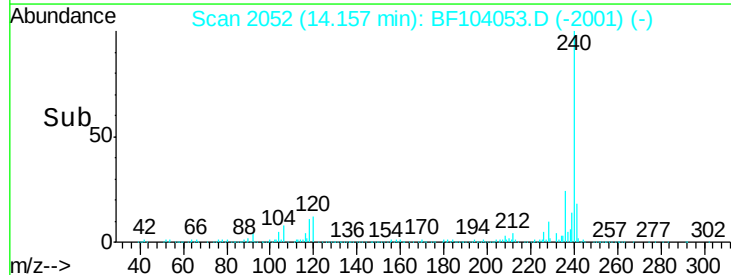
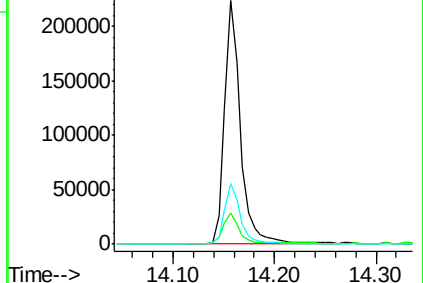
Tgt Ion:	240	Resp:	241715
Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.5	14.3
236	24.7	20.7	31.1

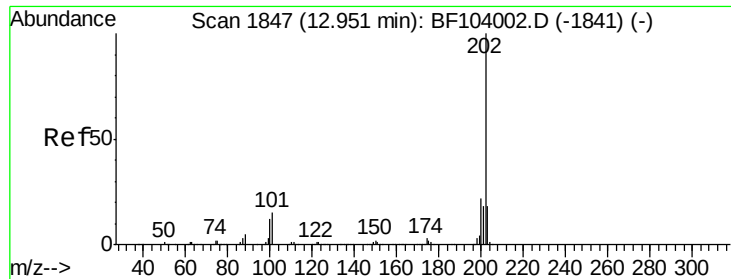


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

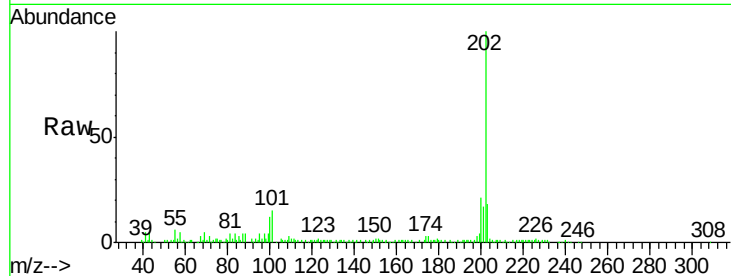




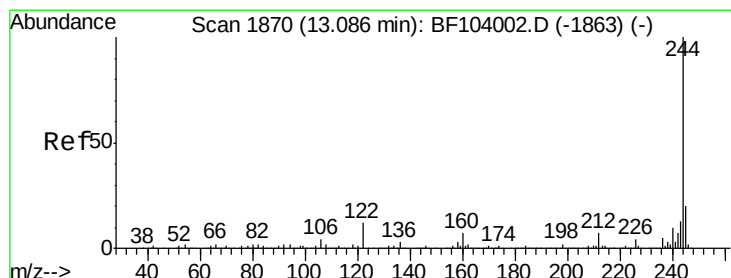
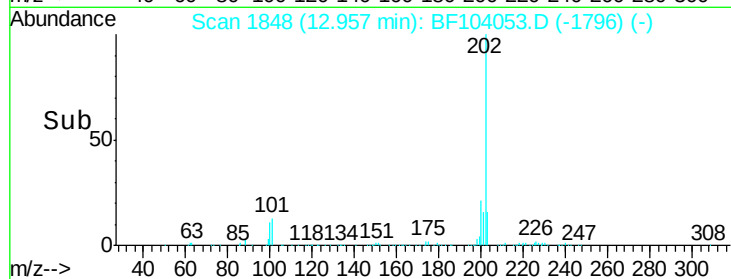
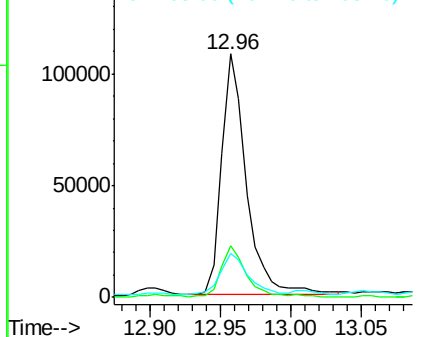
#77
Pvrene
Concen: 7.658 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:202 Resp: 133071
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 18.0 14.3 21.5

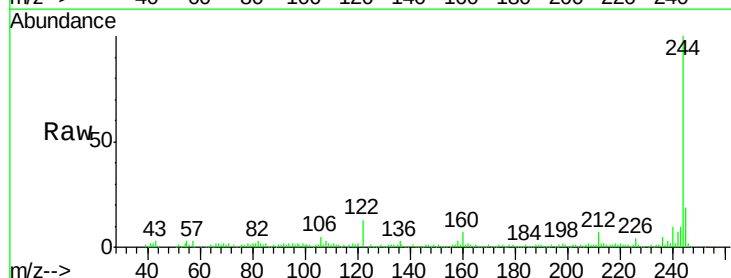


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

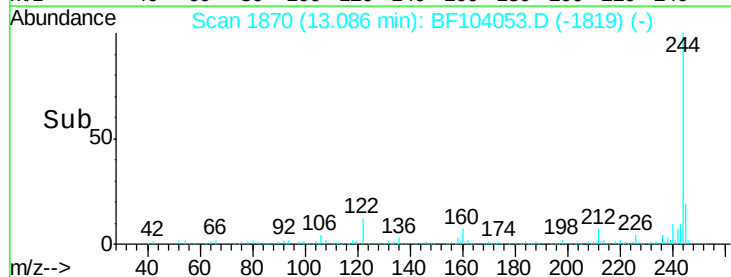
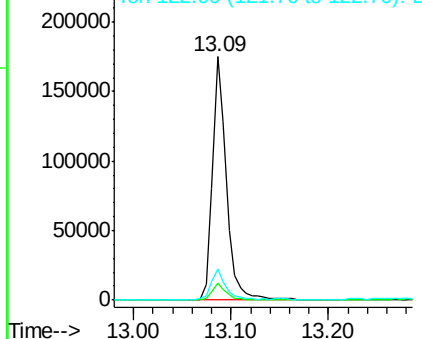


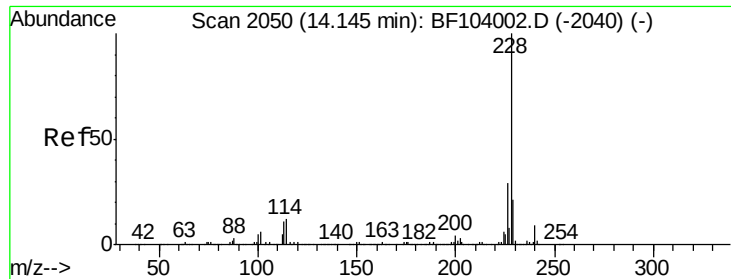
#78
Terphenyl-d14
Concen: 16.695 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.00 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Tgt Ion:244 Resp: 174778
Ion Ratio Lower Upper
244 100
212 6.9 5.4 8.0
122 12.7 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

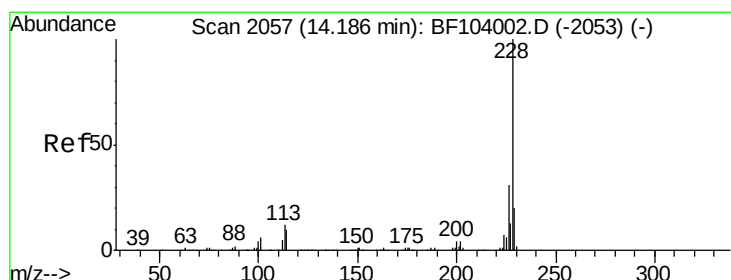
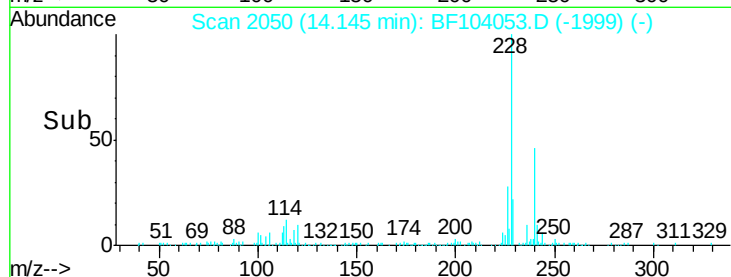
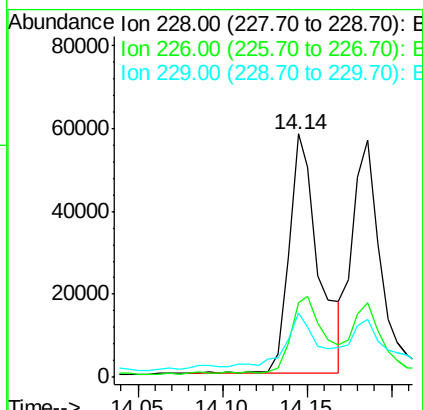
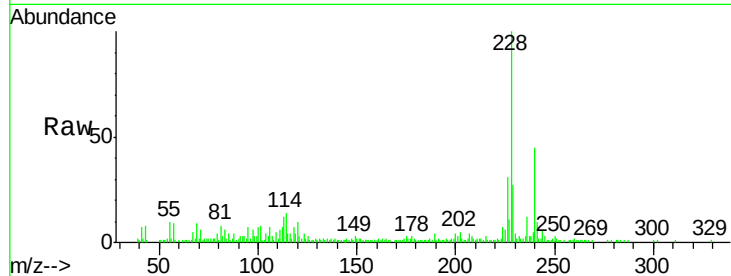




#80
Benzo(a)anthracene
Concen: 4.712 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

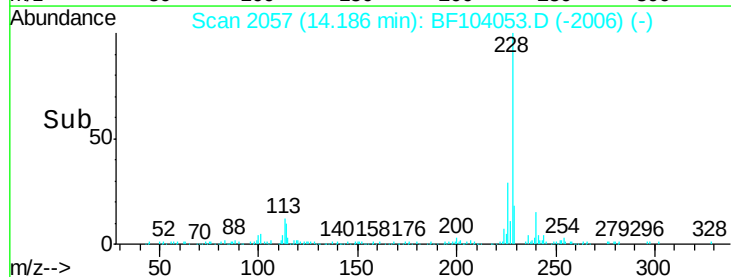
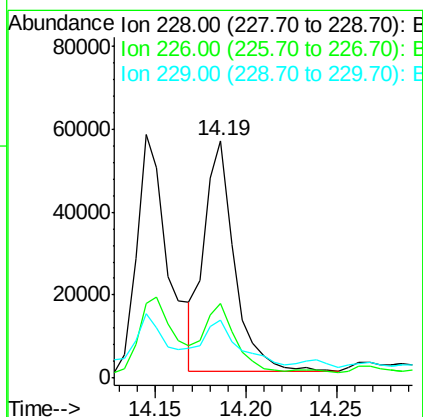
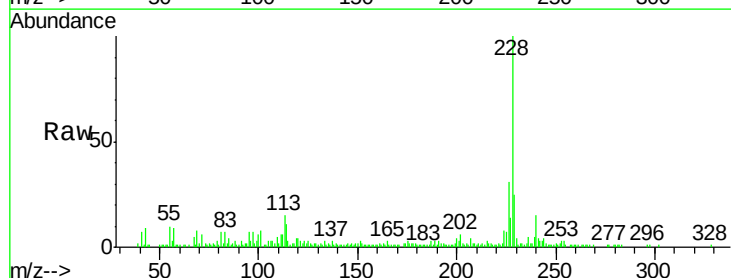
Instrument :
BNA_F
ClientSampleId :

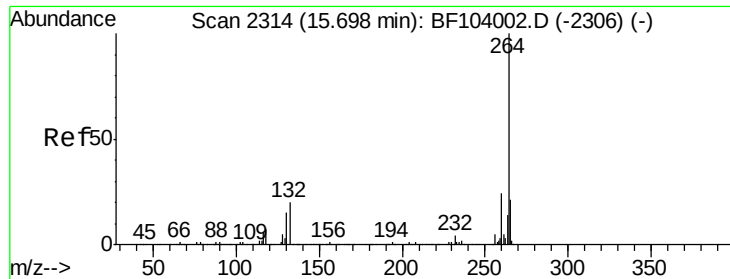
Tot Ion:228 Resp: 71272
Ion Ratio Lower Upper
228 100
226 30.7 22.6 33.8
229 26.5 15.8 23.6#



#82
Chrysene
Concen: 4.369 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Tgt Ion:228 Resp: 64727
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 24.5 16.2 24.4#



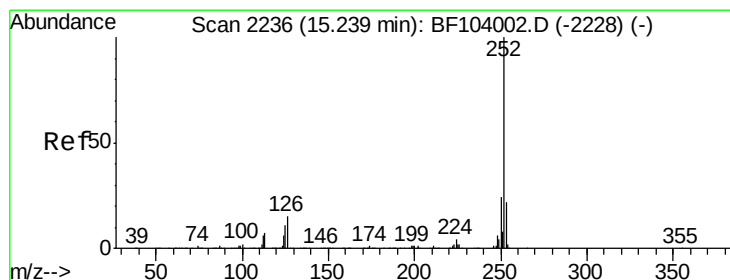
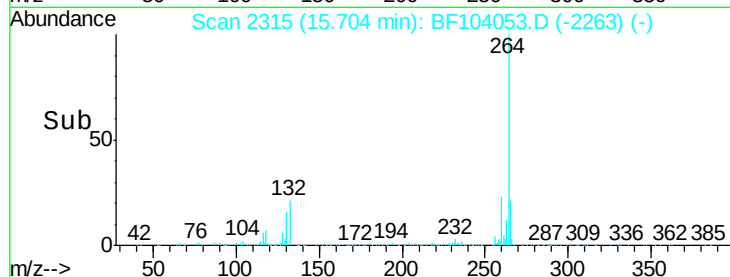
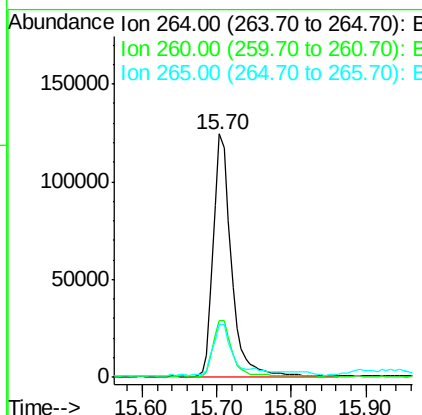
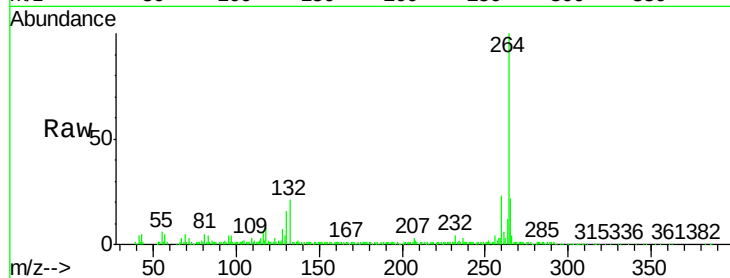


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 208075

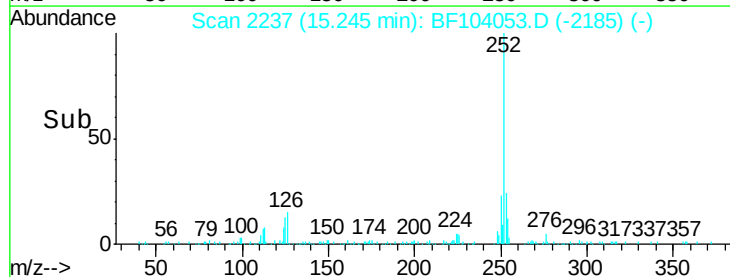
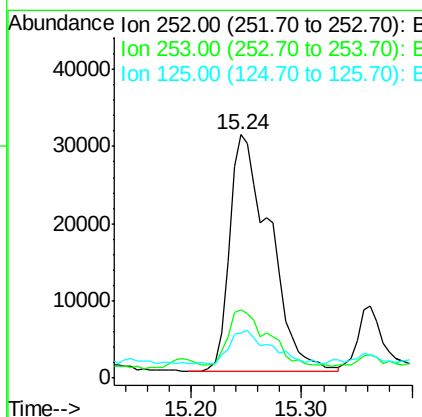
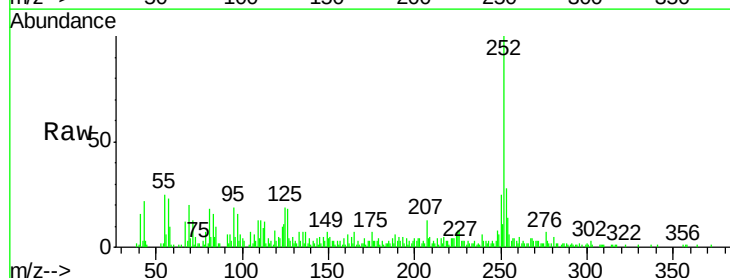
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.6	17.5	26.3

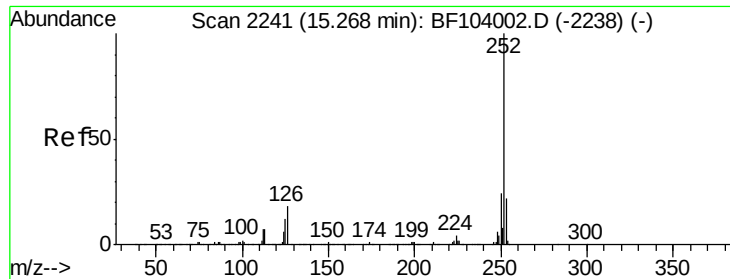


#87
Benzo(b)fluoranthene
Concen: 6.220 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Tgt Ion:252 Resp: 78771

Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.0	25.6#
125	18.8	9.0	13.6#

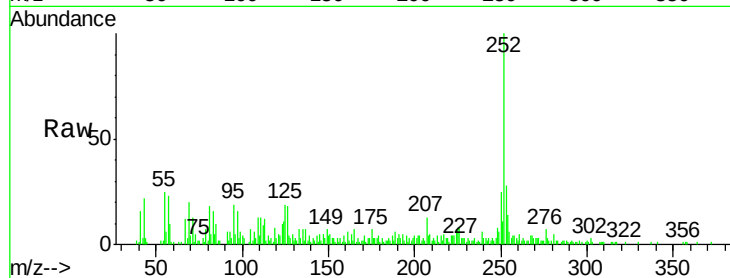




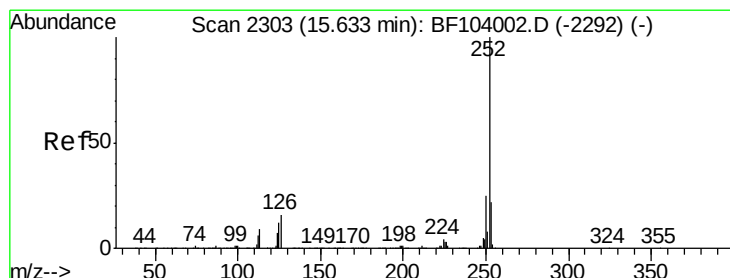
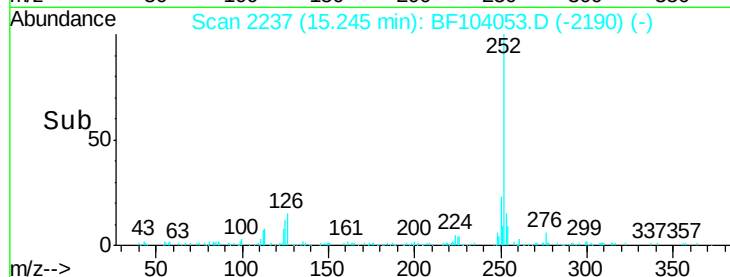
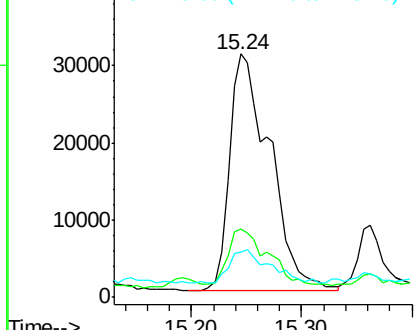
#88
Benzo(k)fluoranthene
Concen: 6.603 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 78771
Ion Ratio Lower Upper
252 100
253 28.1 17.9 26.9#
125 18.8 10.2 15.2#

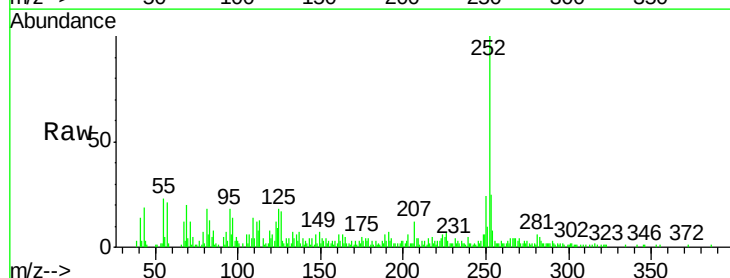


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

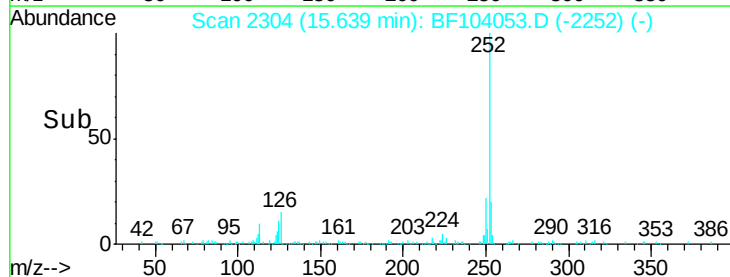
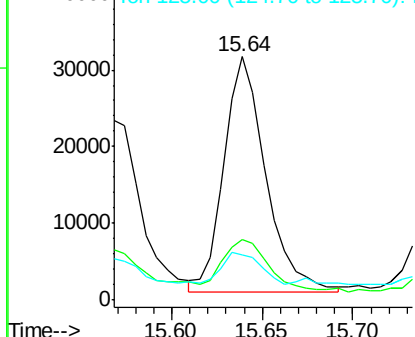


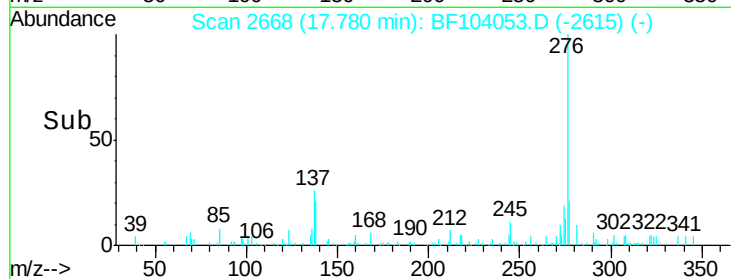
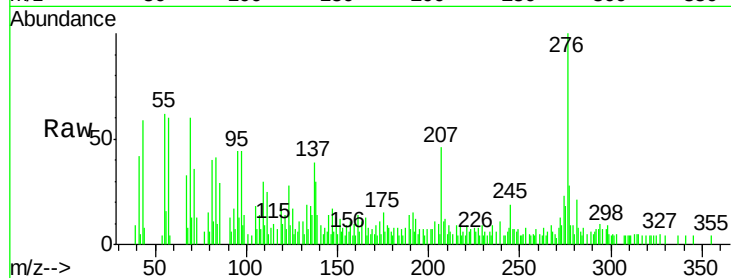
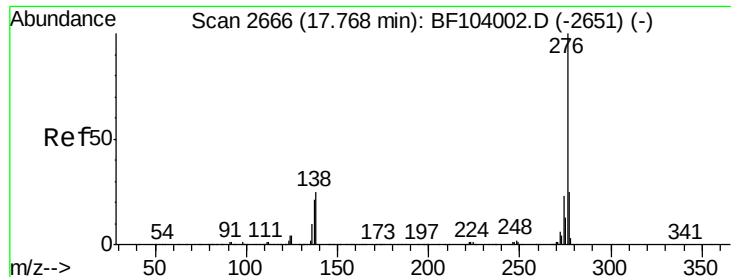
#89
Benzo(a)pyrene
Concen: 4.232 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104053.D
Acq: 29 Mar 2018 16:15

Tgt Ion:252 Resp: 49668
Ion Ratio Lower Upper
252 100
253 24.7 17.1 25.7
125 18.4 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(a,h,i)perylene

Concen: 2.707 ng

RT: 17.78 min Scan# 2668

Delta R.T. 0.01 min

Lab File: BF104053.D

Acq: 29 Mar 2018 16:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 29418

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 30.1 21.8 32.8

