

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104136.D
 Acq On : 2 Apr 2018 15:41
 Operator : JU/SJ
 Sample : J2099-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 02 17:13:30 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	112025	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	484324	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	223581	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	344978	20.00	ng	0.00
75) Chrysene-d12	14.17	240	221516	20.00	ng	0.02
86) Perylene-d12	15.74	264	257382	20.00	ng	0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	19299	2.75	ng	0.02
7) Phenol-d6	6.60	99	55510	6.42	ng	0.00
23) Nitrobenzene-d5	7.53	82	37182	4.69	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	17315	6.95	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	99020	6.98	ng	0.00
78) Terphenyl-d14	13.09	244	64328	6.71	ng	0.00

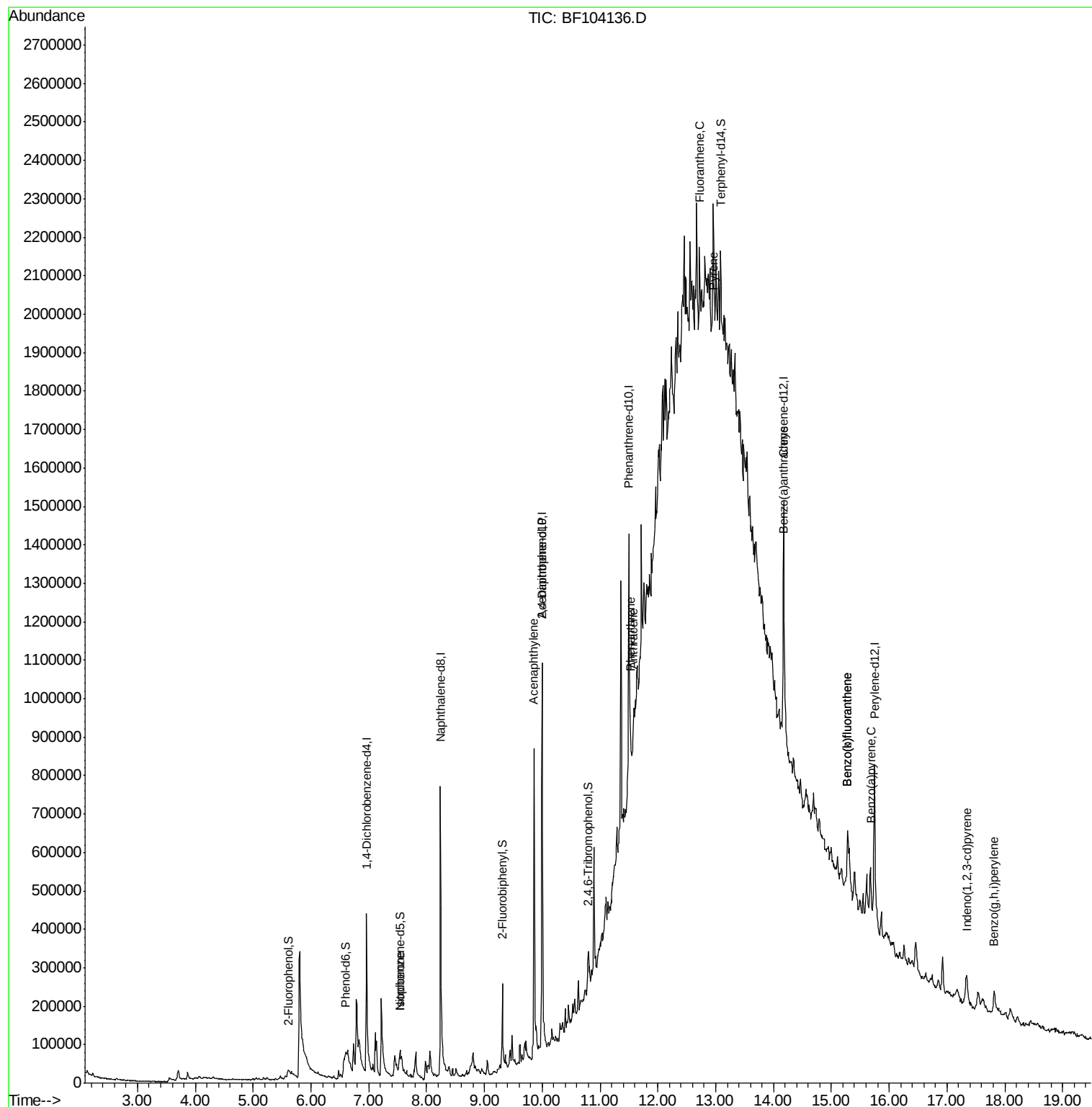
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	279	Below Cal		# 1
25) Isophorone	7.53	82	37182	2.548	ng	# 64
48) Acenaphthylene	9.86	152	473466	20.647	ng	# 99
53) 2,4-Dinitrophenol	10.00	184	114	5.636	ng	# 9
70) Phenanthrene	11.52	178	51436	2.754	ng	# 90
71) Anthracene	11.57	178	41039	2.104	ng	# 87
74) Fluoranthene	12.72	202	70896	3.571	ng	# 84
77) Pyrene	12.96	202	145832	9.158	ng	# 94
80) Benzo(a)anthracene	14.16	228	41231	2.975	ng	# 50
85) Indeno(1,2,3-cd)pyrene	17.33	276	65960	4.689	ng	# 89
87) Benzo(b)fluoranthene	15.29	252	143021	9.131	ng	# 91
88) Benzo(k)fluoranthene	15.29	252	143021	9.693	ng	# 94
89) Benzo(a)pyrene	15.68	252	81845	5.638	ng	# 88
91) Benzo(a,h,i)perylene	17.82	276	61195	4.552	ng	# 95

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

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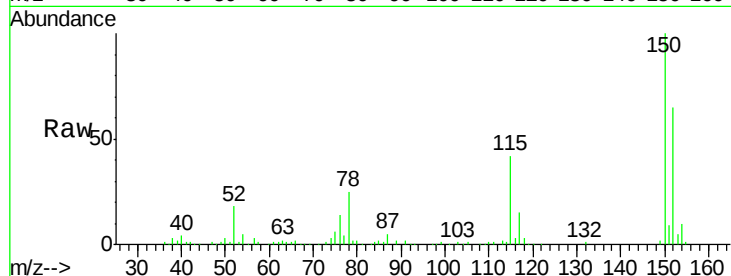


#1

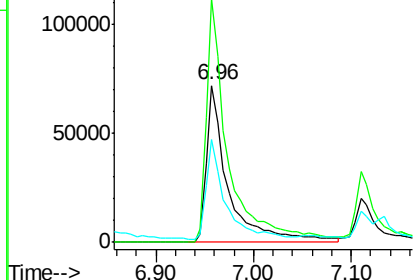
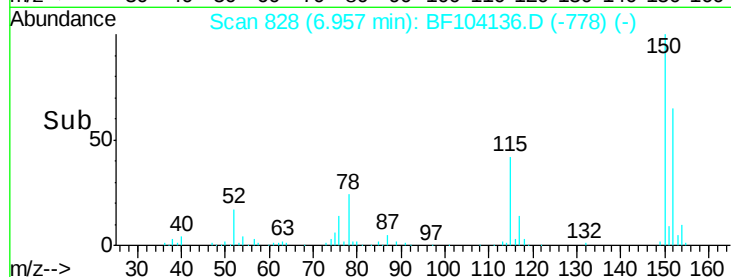
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 112025
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 65.1 50.1 75.1



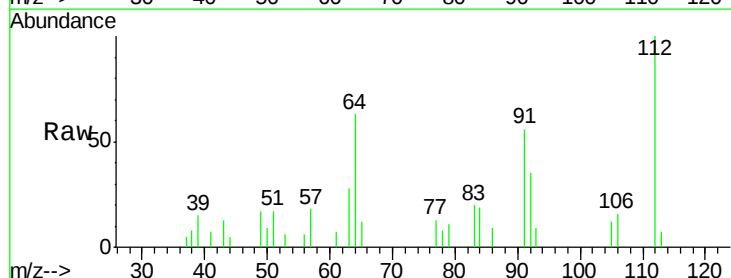
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



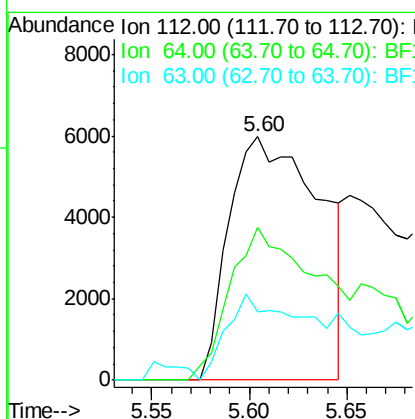
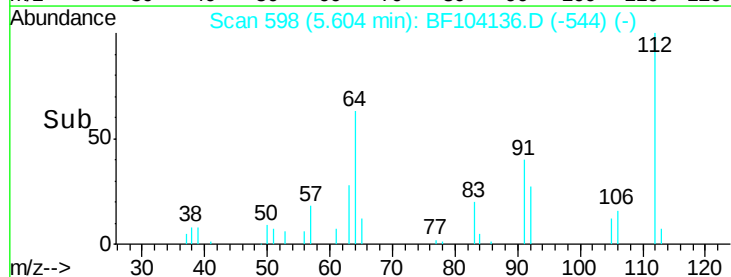
#5

2-Fluorophenol
Concen: 2.747 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Tgt Ion:112 Resp: 19299
Ion Ratio Lower Upper
112 100
64 62.7 47.9 71.9
63 28.2 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: 6.423 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

ClientSampleId :

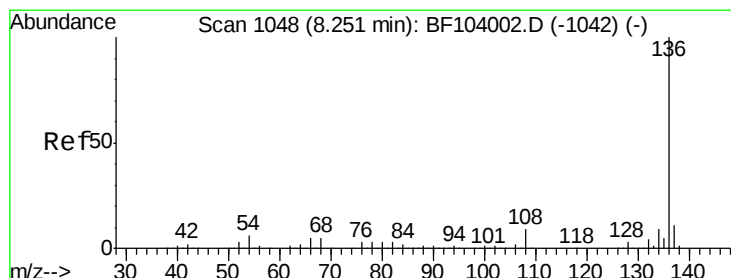
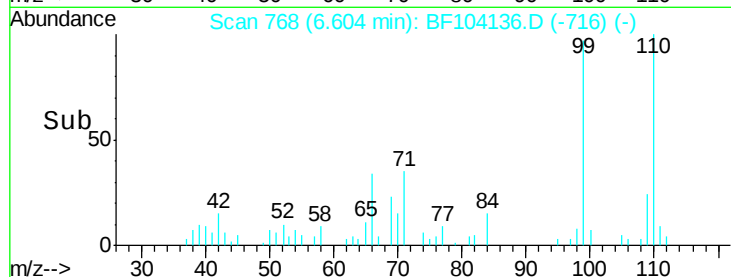
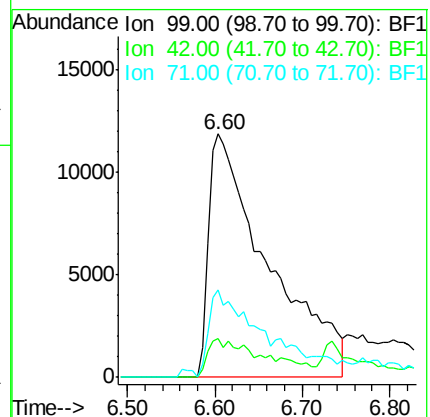
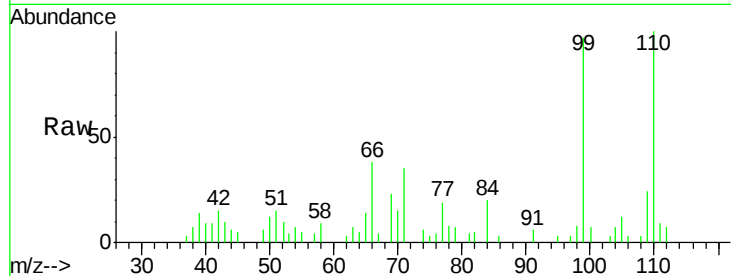
Tot Ion: 99 Resp: 55510

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 35.9 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Tgt Ion: 136 Resp: 484324

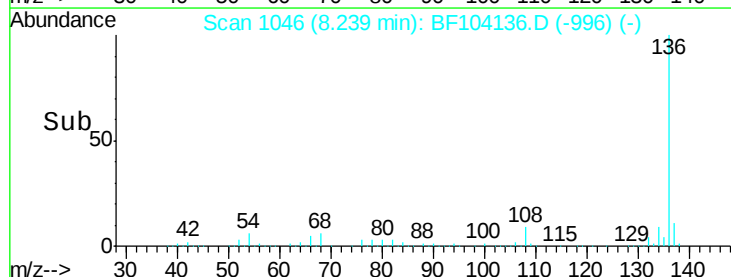
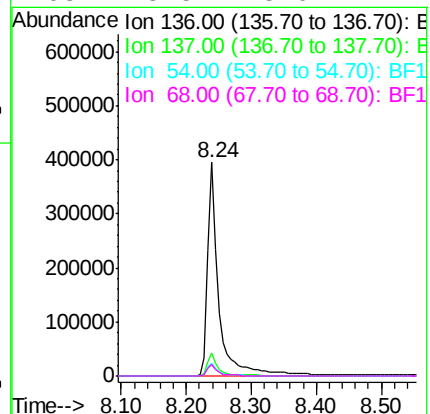
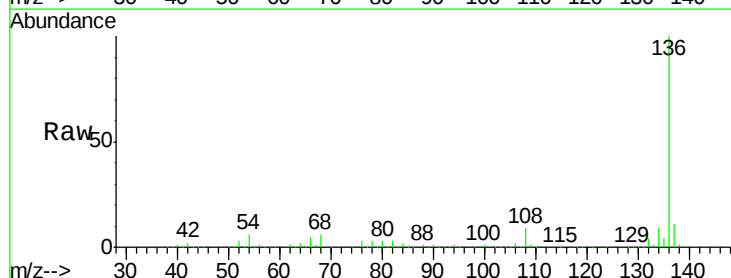
Ion Ratio Lower Upper

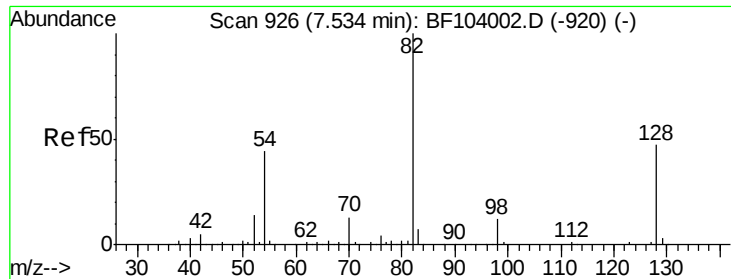
136 100

137 10.9 8.9 13.3

54 6.2 6.6 9.8#

68 5.5 5.0 7.4

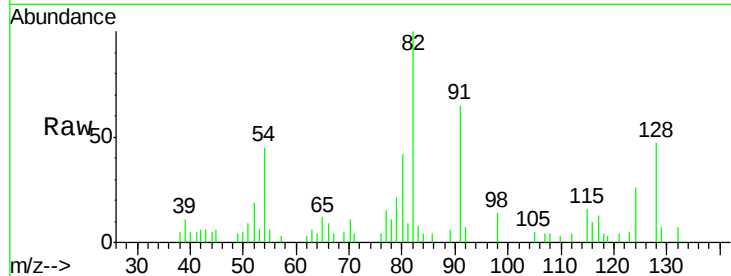




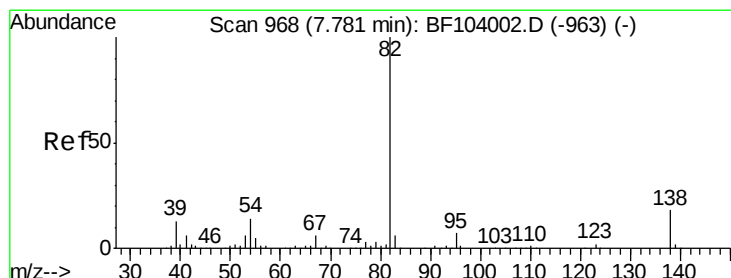
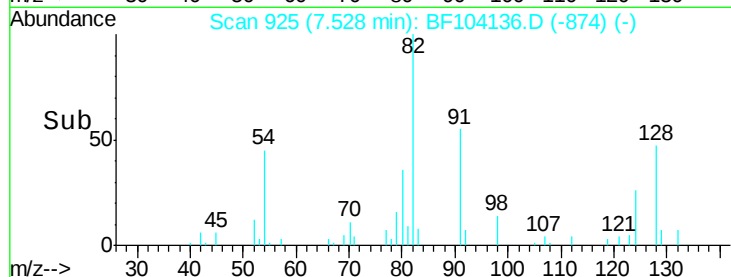
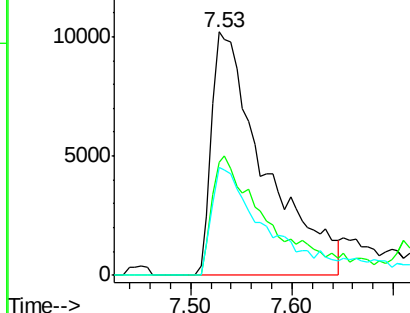
#23
 Nitrobenzene-d5
 Concen: 4.695 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 37182
 Ion Ratio Lower Upper
 82 100
 128 46.6 36.1 54.1
 54 44.6 41.4 62.2

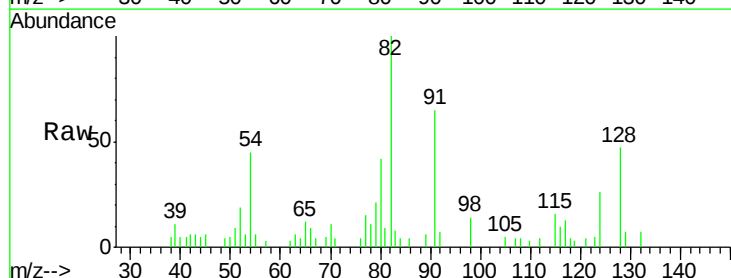


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

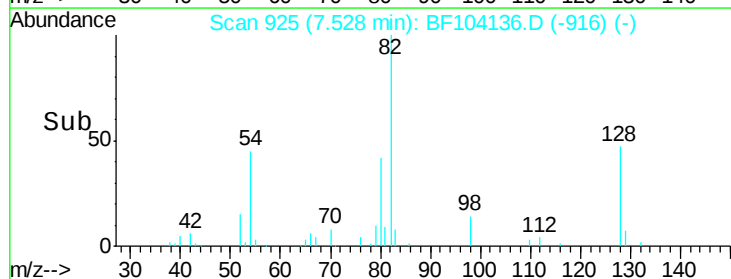
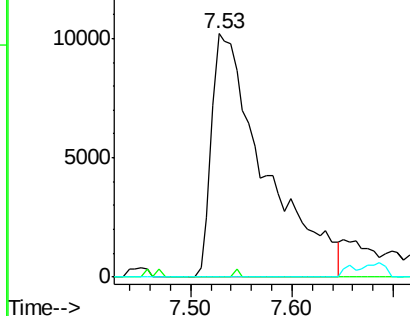


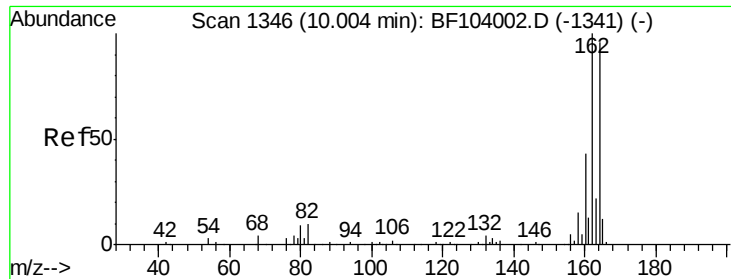
#25
 Isophorone
 Concen: 2.548 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.25 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Tgt Ion: 82 Resp: 37182
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.00 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

ClientSampleId :

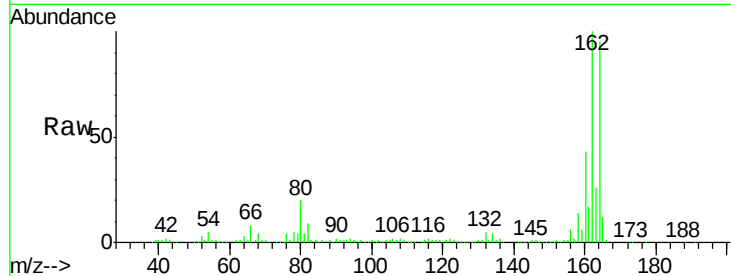
Tot Ion:164 Resp: 223581

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

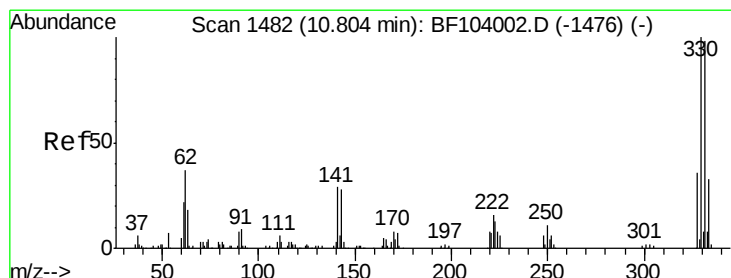
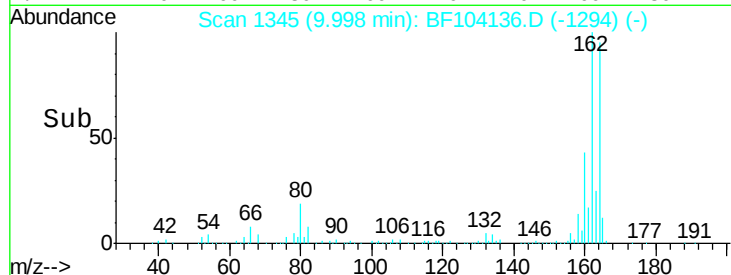
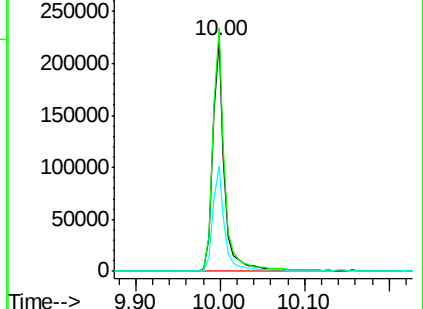
160 45.8 38.3 57.5



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: 6.955 ng

RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

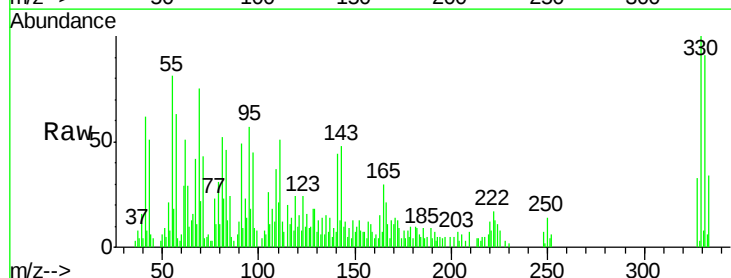
Tgt Ion:330 Resp: 17315

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

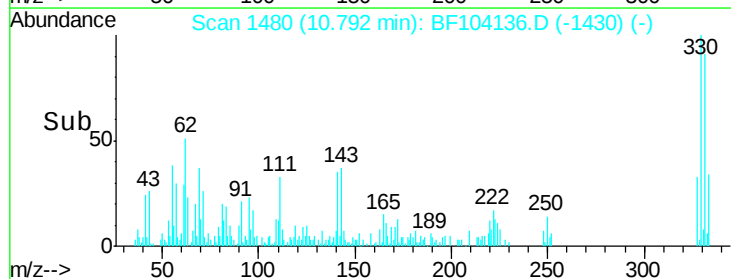
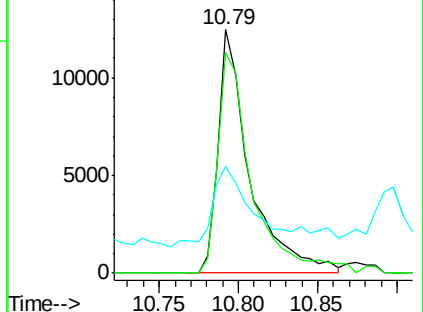
141 40.8 29.9 44.9

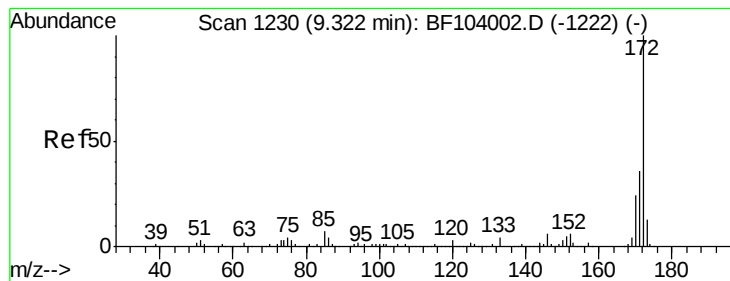


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 6.984 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

ClientSampled :

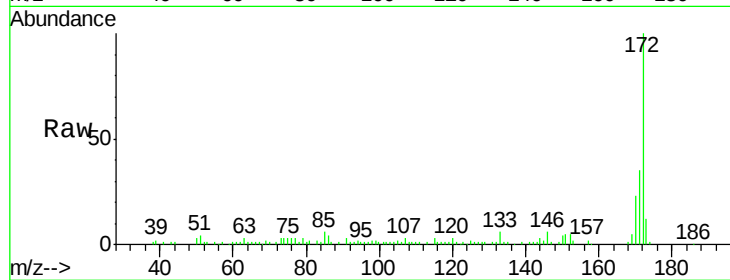
Tot Ion:172 Resp: 99020

Ion Ratio Lower Upper

172 100

171 34.6 29.7 44.5

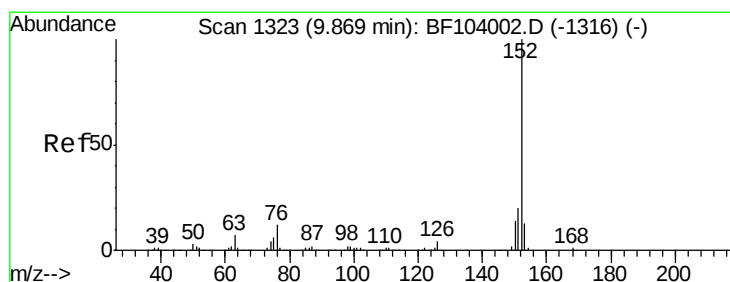
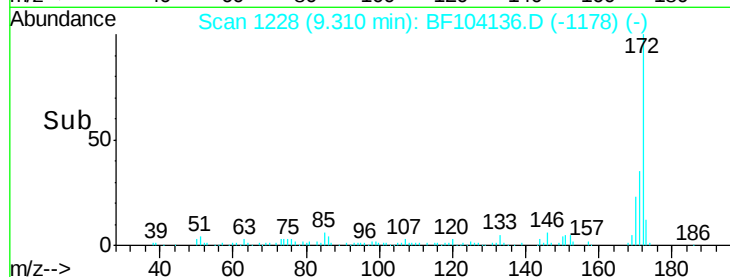
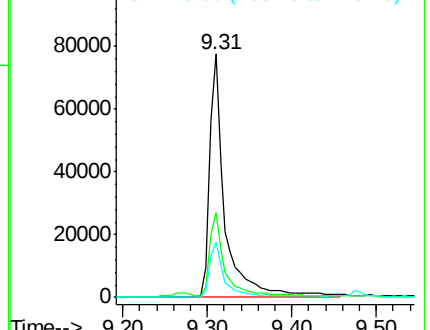
170 22.6 19.6 29.4



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



#48

Acenaphthylene

Concen: 20.647 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

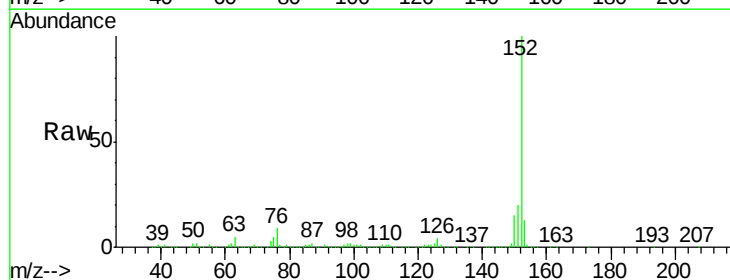
Tgt Ion:152 Resp: 473466

Ion Ratio Lower Upper

152 100

151 19.8 16.3 24.5

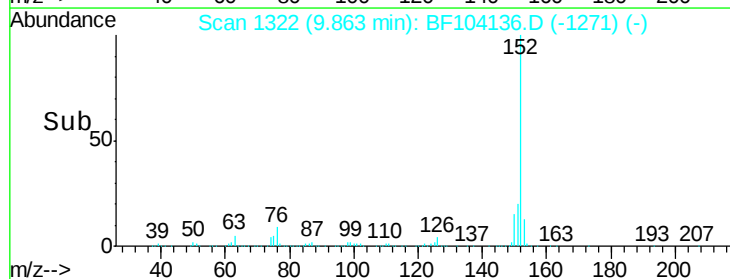
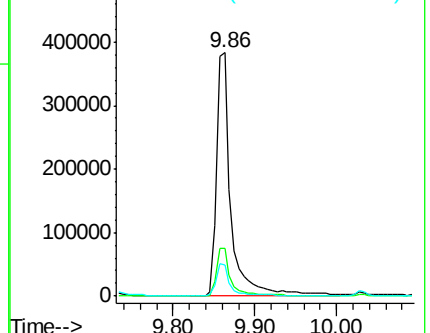
153 12.8 10.7 16.1

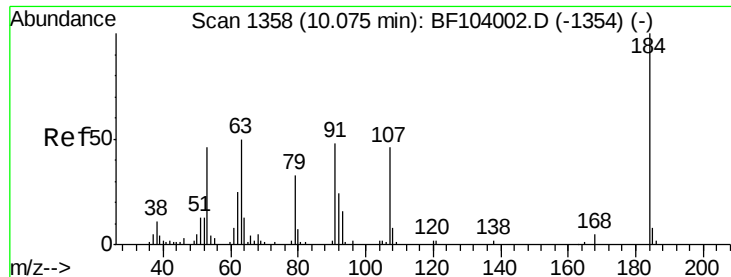


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

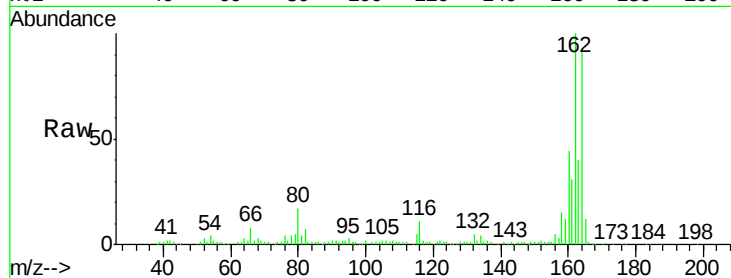




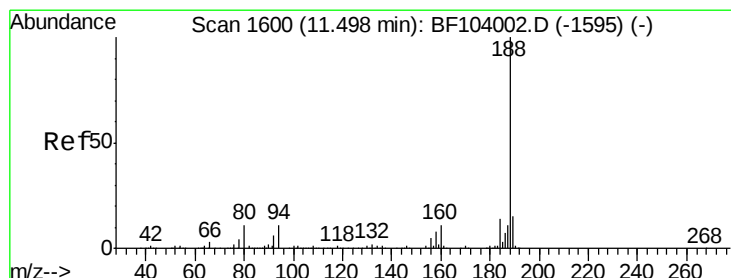
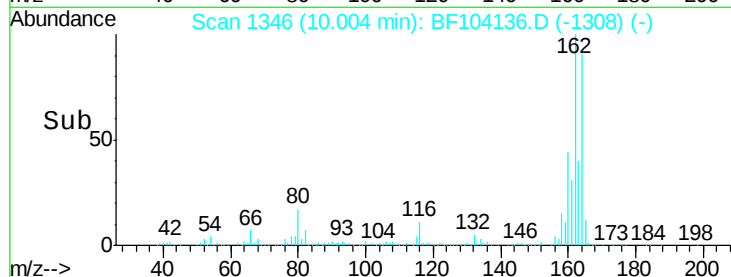
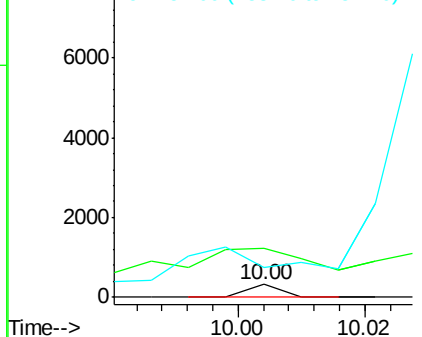
#53
 2,4-Dinitrophenol
 Concen: 5.636 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.08 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:184 Resp: 114
 Ion Ratio Lower Upper
 184 100
 63 384.5 54.2 81.2#
 154 233.2 184.0 276.0

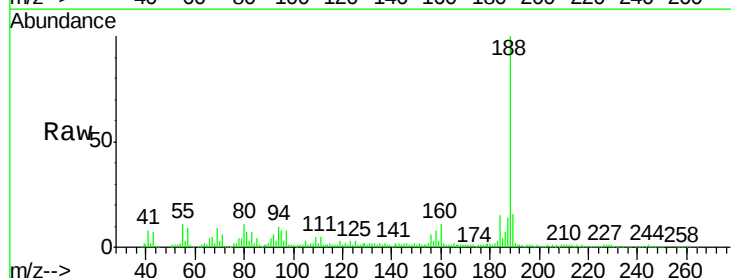


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

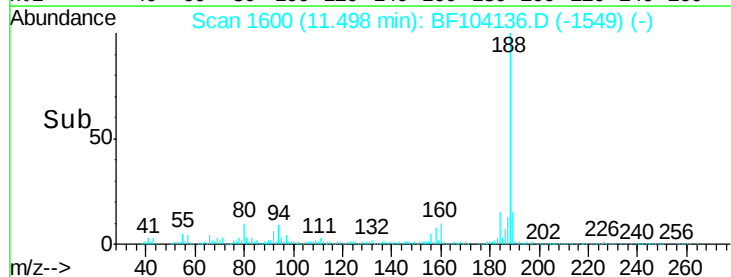
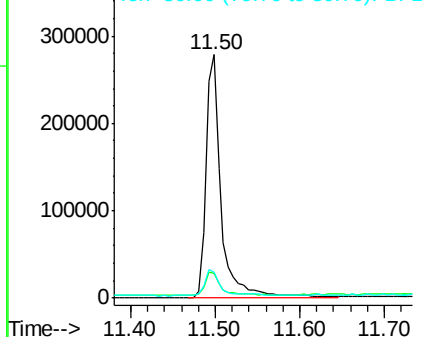


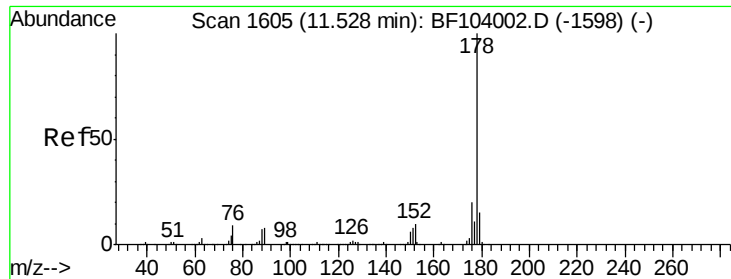
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF104136.D
 Acq: 2 Apr 2018 15:41

Tgt Ion:188 Resp: 344978
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 10.9 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

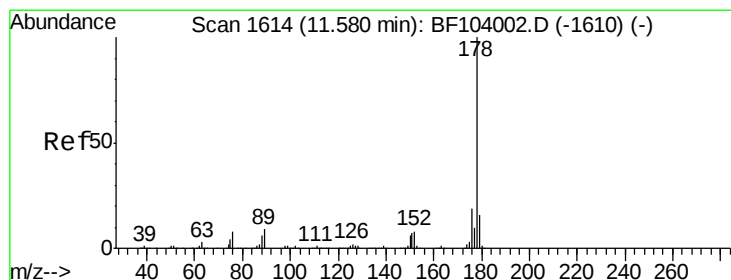
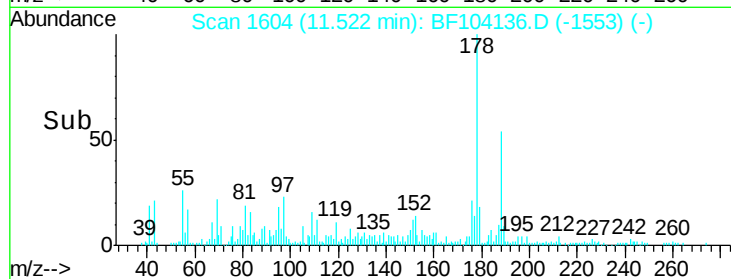
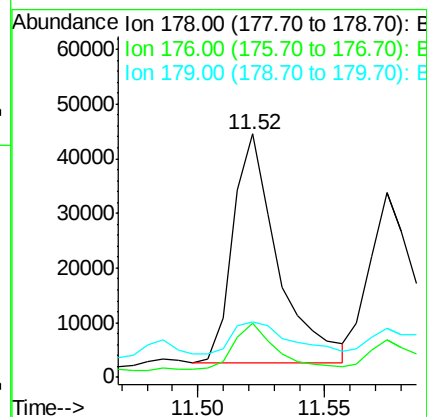
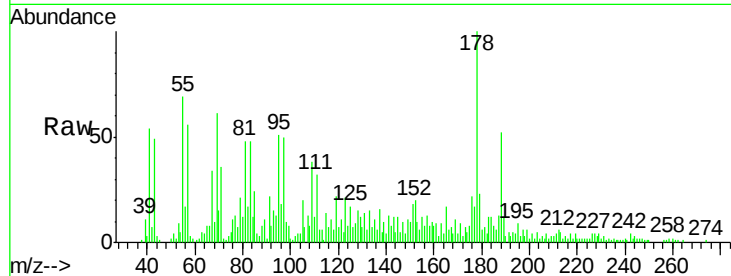




#70
Phenanthrene
Concen: 2.754 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

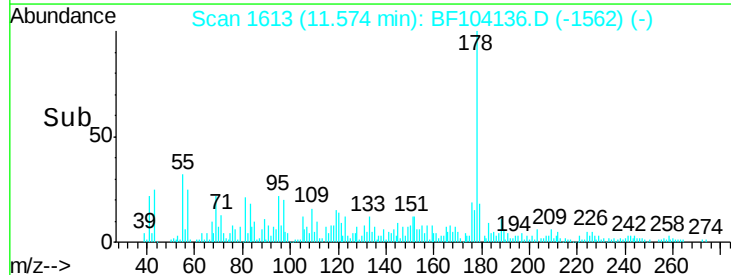
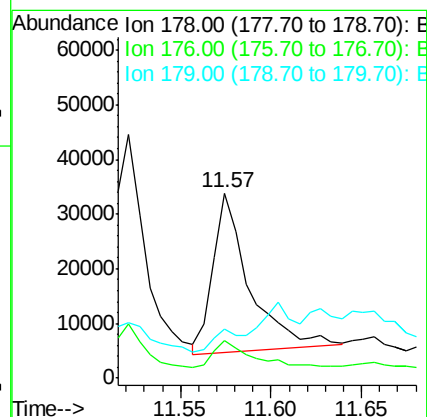
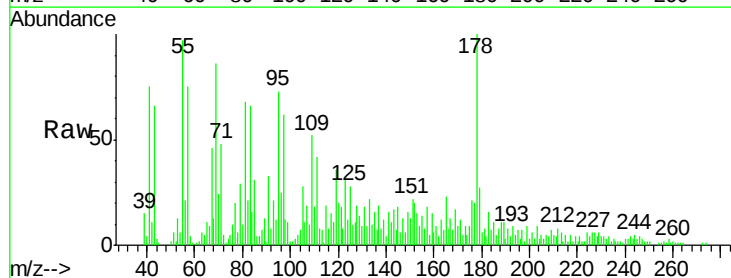
Instrument :
BNA_F
ClientSampleId :

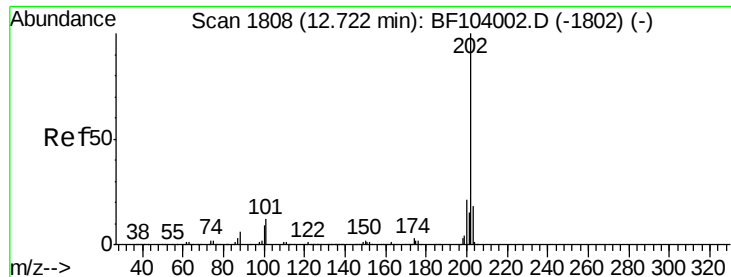
Tot Ion:178 Resp: 51436
Ion Ratio Lower Upper
178 100
176 22.0 15.8 23.8
179 22.8 13.0 19.6#



#71
Anthracene
Concen: 2.104 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Tgt Ion:178 Resp: 41039
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.2
179 26.5 12.6 19.0#





#74

Fluoranthene

Concen: 3.571 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

ClientSampleId :

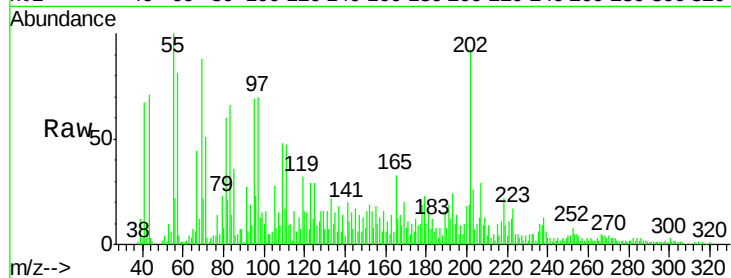
Tot Ion:202 Resp: 70896

Ion Ratio Lower Upper

202 100

101 17.4 0.0 34.1

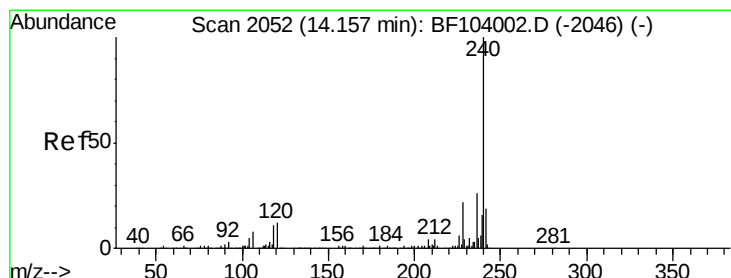
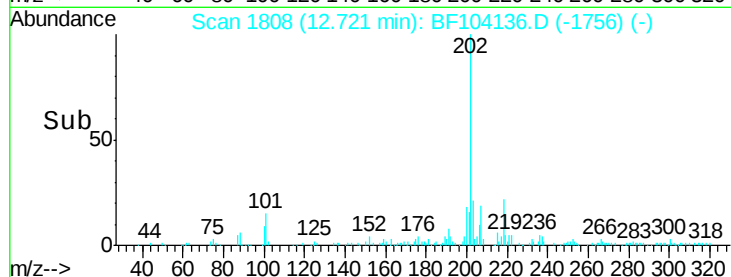
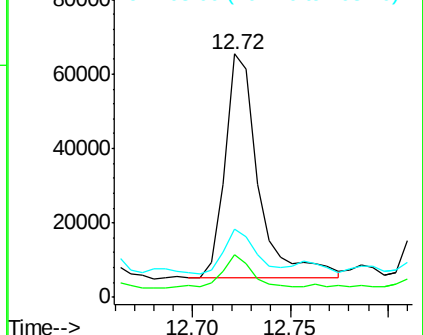
203 28.2 0.0 38.1



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: 14.17 min Scan# 2055

Delta R.T. 0.02 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

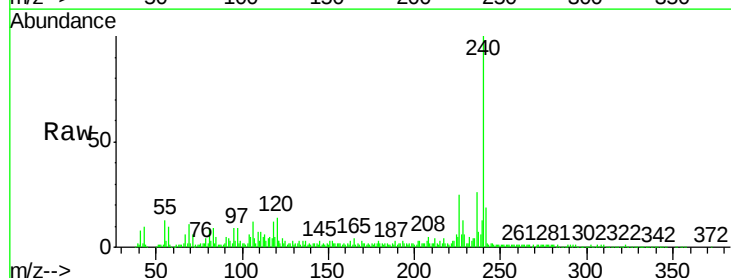
Tgt Ion:240 Resp: 221516

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

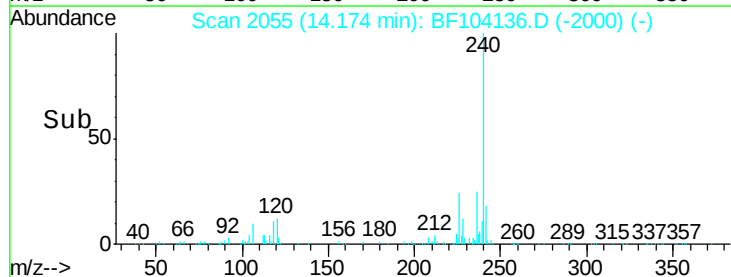
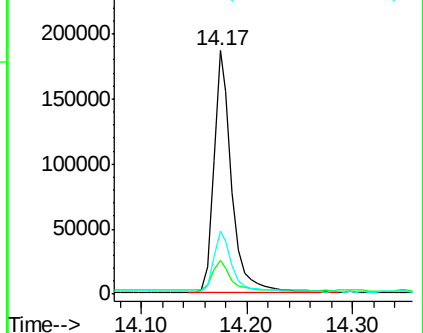
236 26.2 20.7 31.1

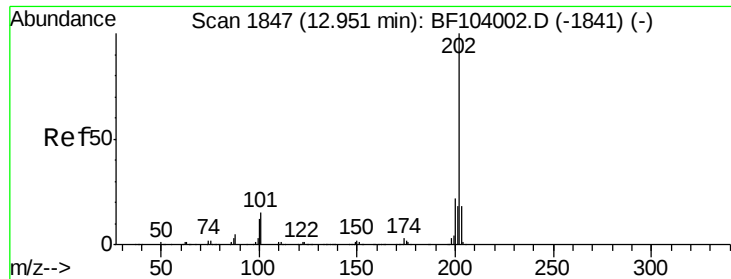


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.158 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF104136.D

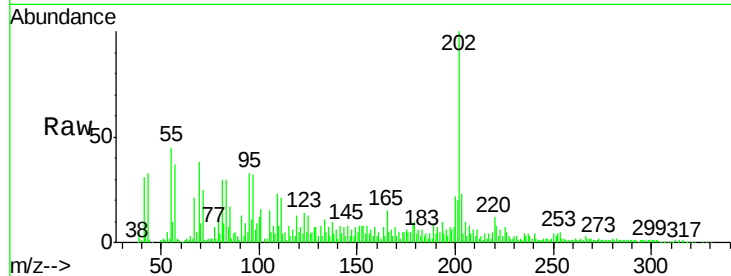
Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

ClientSampleId :

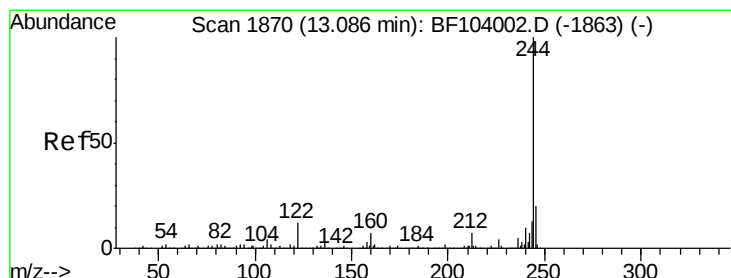
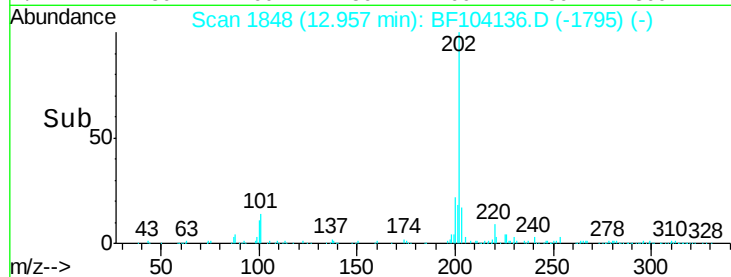
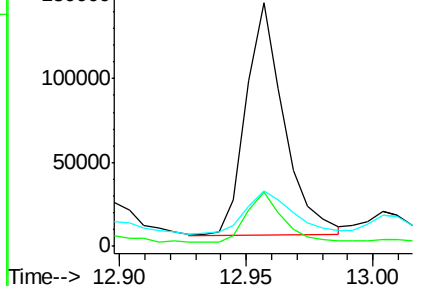
Tot Ion:	202	Resp:	145832
Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.4	26.2
203	22.8	14.3	21.5#



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: 6.705 ng

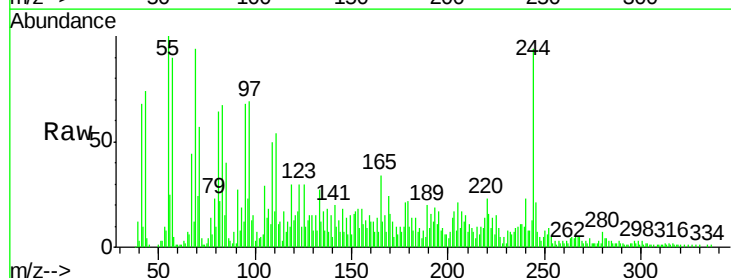
RT: 13.09 min Scan# 1870

Delta R.T. 0.01 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

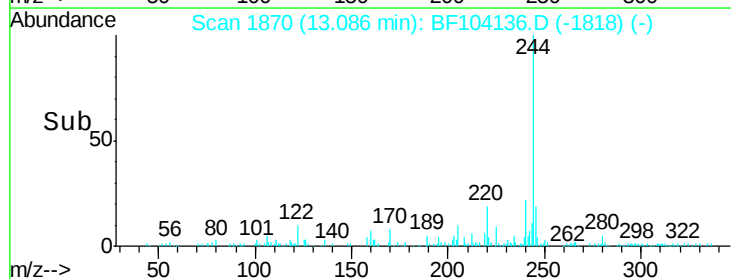
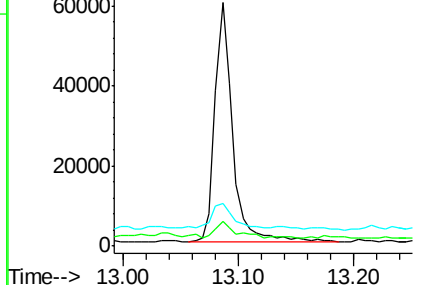
Tgt Ion:	244	Resp:	64328
Ion	Ratio	Lower	Upper
244	100		
212	10.0	5.4	8.0#
122	17.7	11.0	16.4#

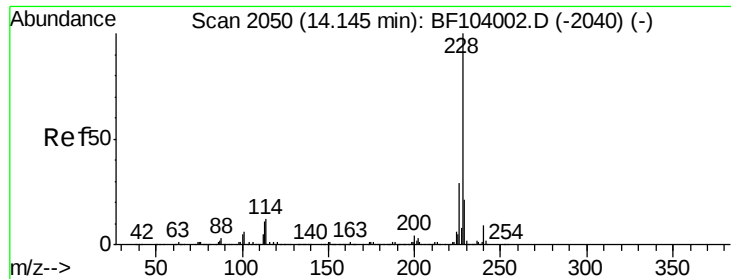


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

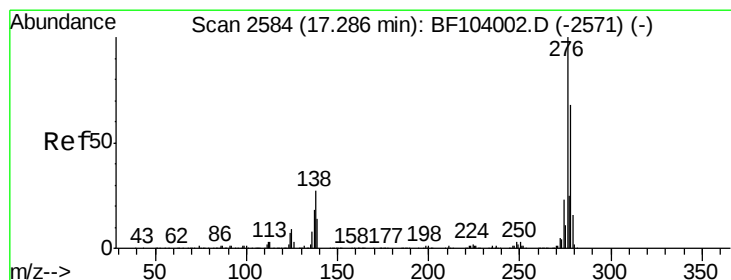
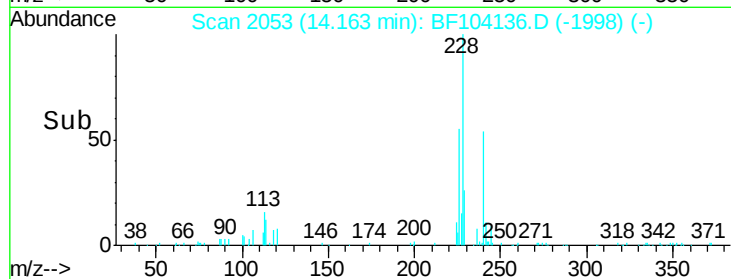
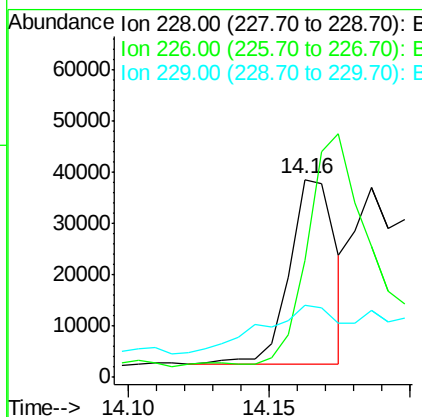
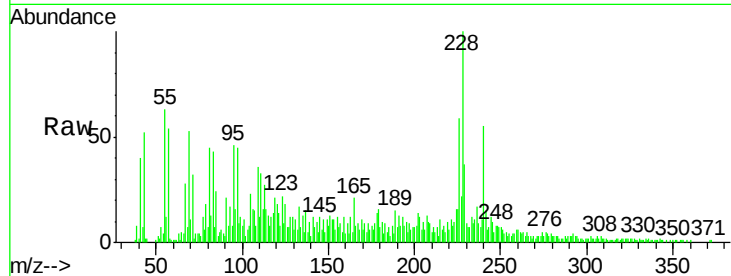




#80
Benzo(a)anthracene
Concen: 2.975 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.02 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

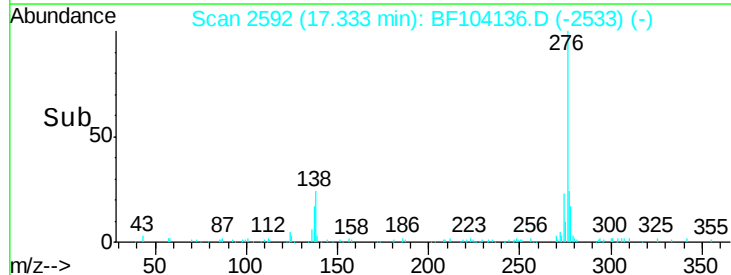
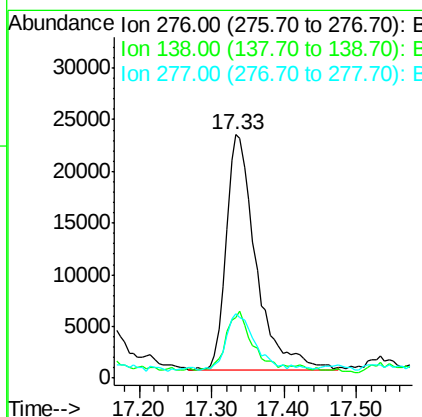
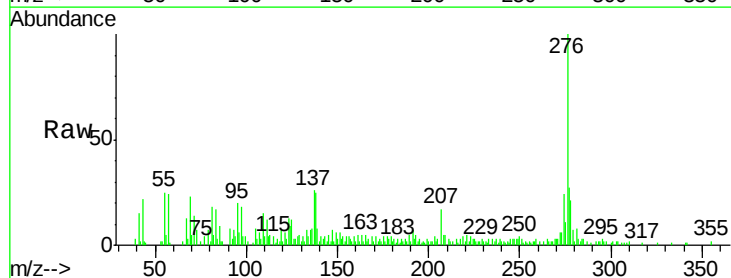
Instrument :
BNA_F
ClientSampleId :

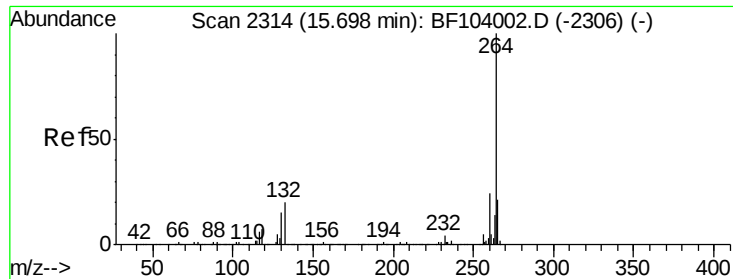
Tot Ion:228 Resp: 41231
Ion Ratio Lower Upper
228 100
226 59.1 22.6 33.8#
229 36.6 15.8 23.6#



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.689 ng
RT: 17.33 min Scan# 2592
Delta R.T. 0.05 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Tgt Ion:276 Resp: 65960
Ion Ratio Lower Upper
276 100
138 22.5 25.0 37.6#
277 22.8 20.1 30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.74 min Scan# 2322

Delta R.T. 0.05 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

ClientSampleId :

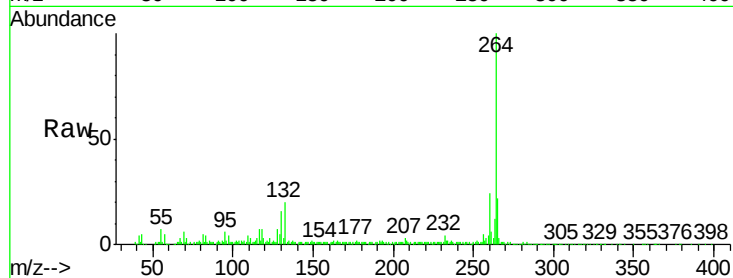
Tot Ion:264 Resp: 257382

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

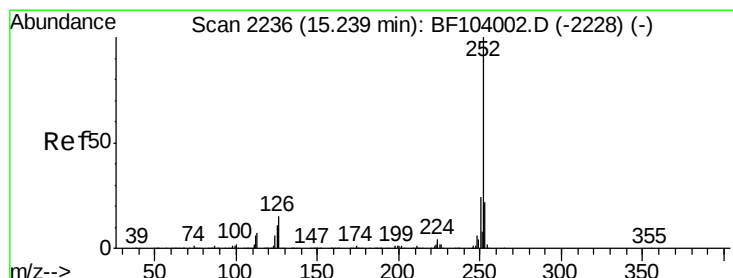
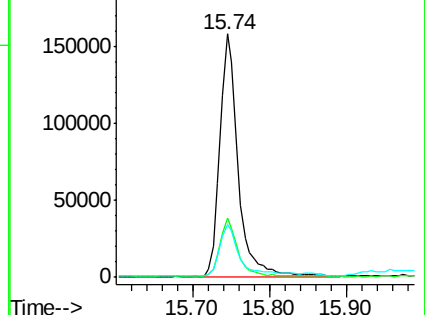
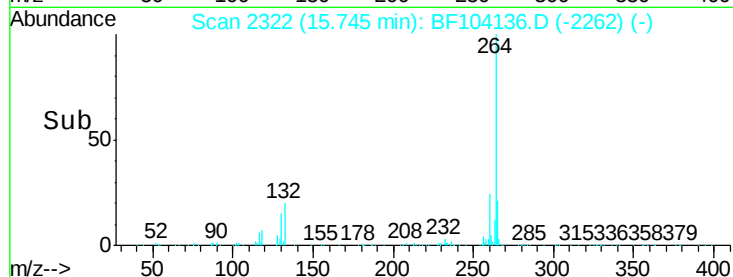
265 21.9 17.5 26.3



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: 9.131 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.05 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

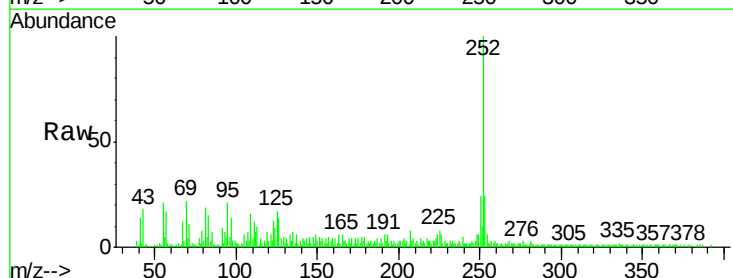
Tgt Ion:252 Resp: 143021

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.6

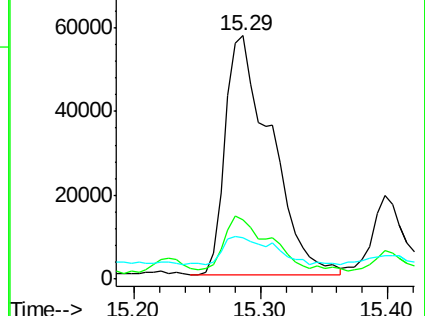
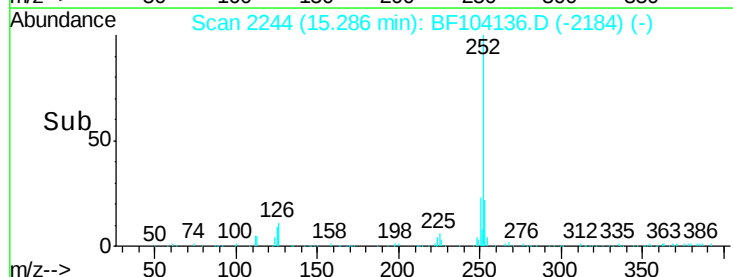
125 16.9 9.0 13.6#

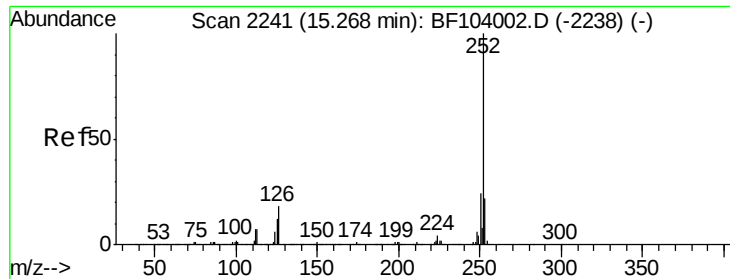


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

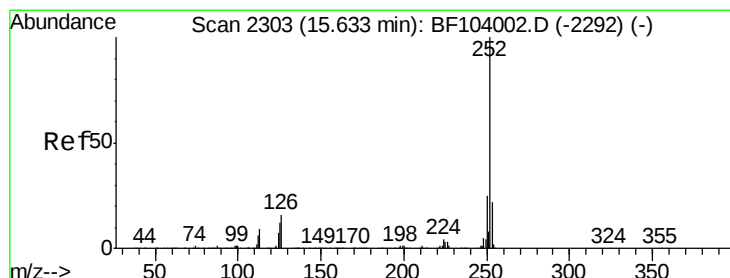
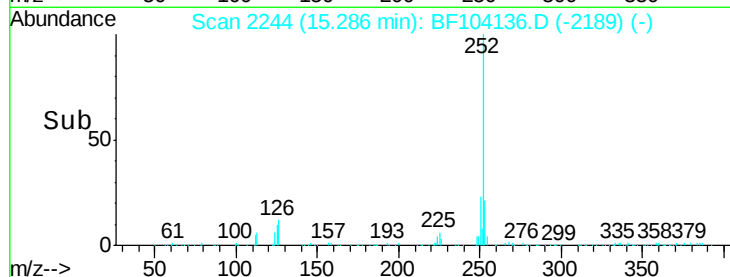
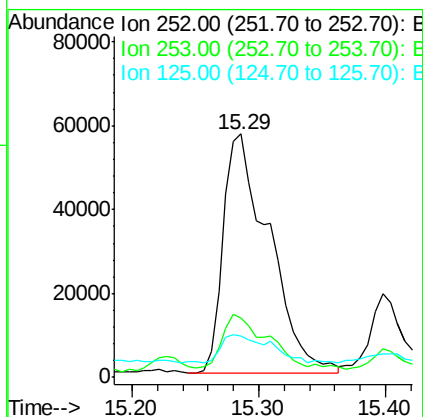
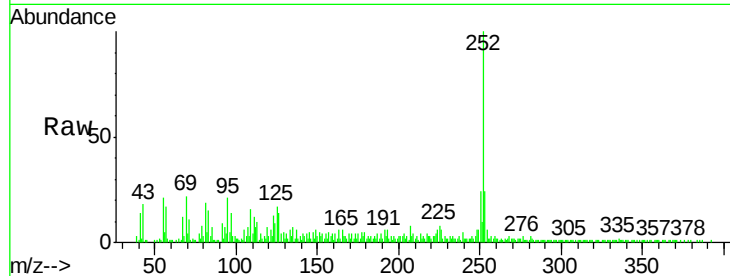




#88
Benzo(k)fluoranthene
Concen: 9.693 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.02 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

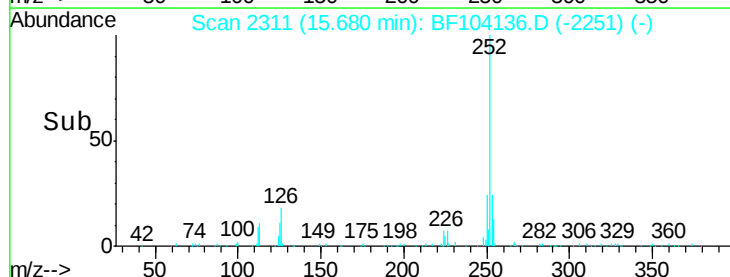
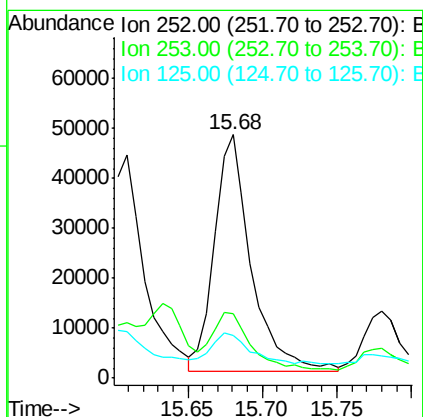
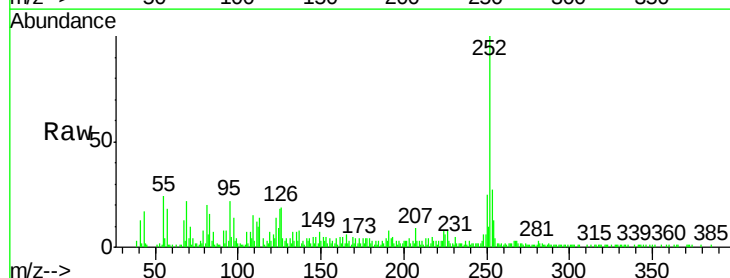
Instrument :
BNA_F
ClientSampleId :

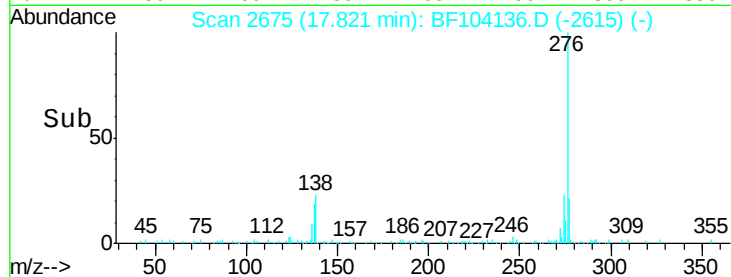
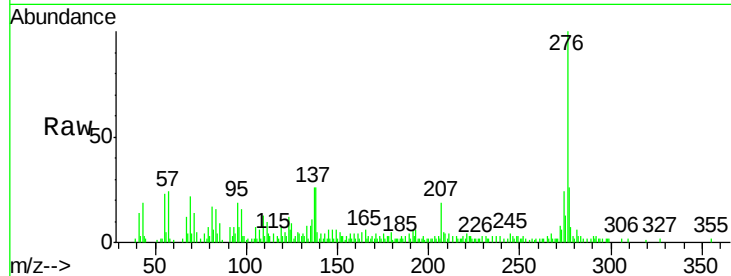
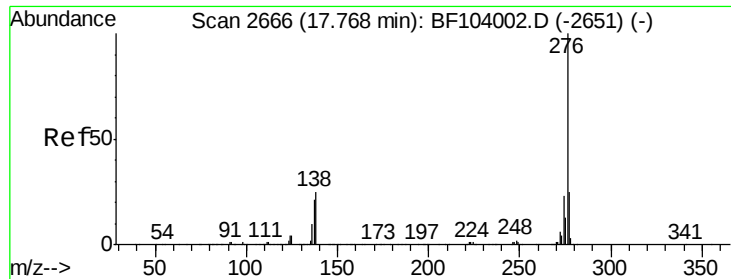
Tot Ion:252 Resp: 143021
Ion Ratio Lower Upper
252 100
253 24.2 17.9 26.9
125 16.9 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 5.638 ng
RT: 15.68 min Scan# 2311
Delta R.T. 0.05 min
Lab File: BF104136.D
Acq: 2 Apr 2018 15:41

Tgt Ion:252 Resp: 81845
Ion Ratio Lower Upper
252 100
253 26.5 17.1 25.7#
125 17.7 9.8 14.6#





#91

Benzo(a,h,i)perylene

Concen: 4.552 ng

RT: 17.82 min Scan# 2675

Delta R.T. 0.05 min

Lab File: BF104136.D

Acq: 2 Apr 2018 15:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 61195

Ion Ratio Lower Upper

276 100

277 25.7 17.9 26.9

138 25.6 21.8 32.8

