

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094752.D
 Acq On : 1 May 2017 15:39
 Operator : SJ/MA
 Sample : I2929-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GF-TEST

Quant Time: May 02 02:42:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.76	152	118670	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	450429	20.00	ng	0.00
38) Acenaphthene-d10	9.39	164	183547	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	303610	20.00	ng	0.00
75) Chrysene-d12	14.46	240	216814	20.00	ng	0.00
86) Perylene-d12	16.09	264	194498	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.32	112	685748	95.87	ng	0.02
7) Phenol-d6	5.40	99	830322	98.47	ng	0.00
23) Nitrobenzene-d5	6.41	82	501120	68.70	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	147482	102.73	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	846329	67.84	ng	0.00
78) Terphenyl-d14	13.19	244	561617	69.24	ng	0.00

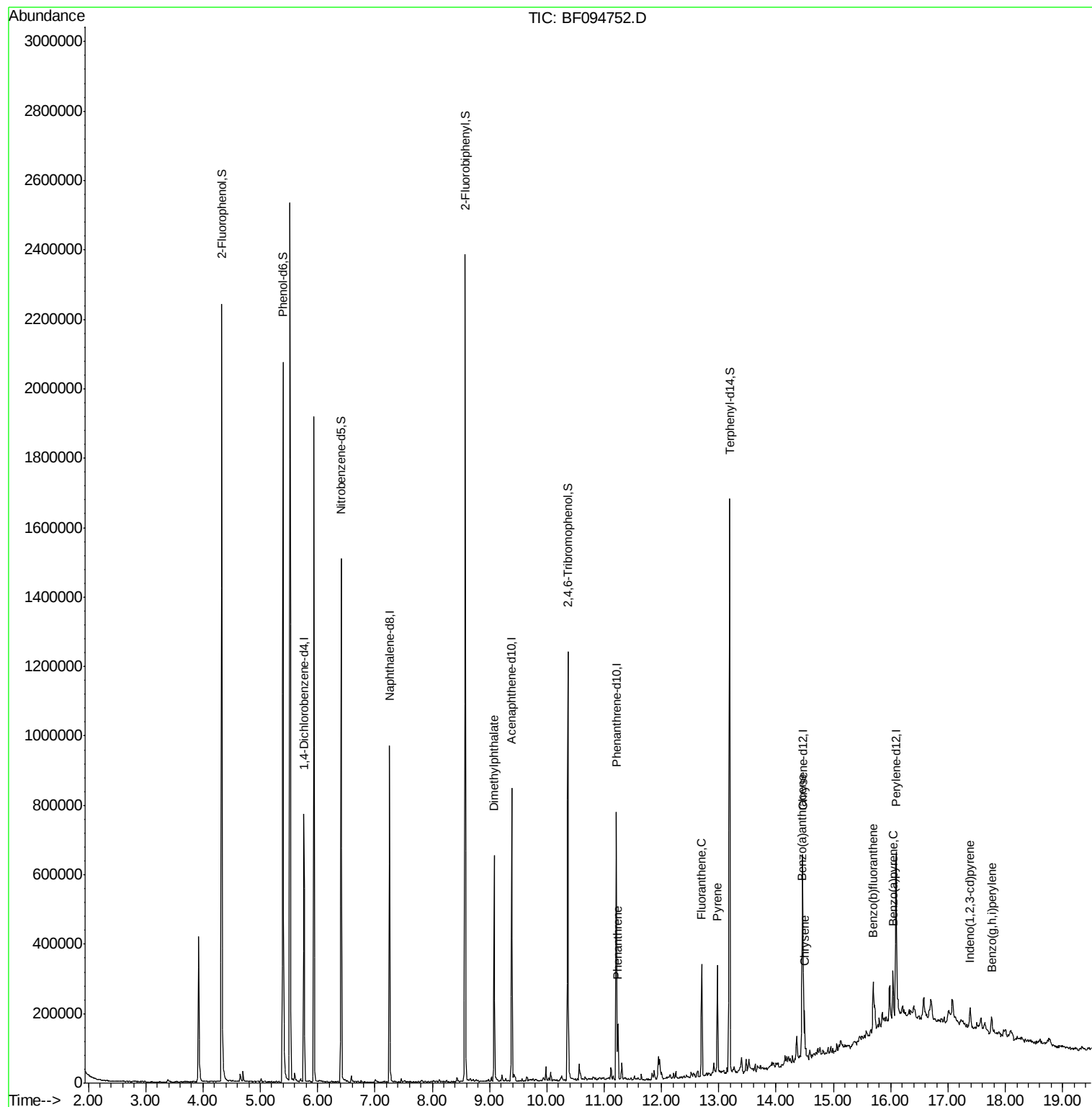
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.08	163	312354	22.84	ng	99
70) Phenanthrene	11.24	178	71720	4.19	ng	96
74) Fluoranthene	12.70	202	151010	8.52	ng	97
77) Pyrene	12.98	202	133384	8.81	ng	98
80) Benzo(a)anthracene	14.45	228	61295	4.86	ng	99
82) Chrysene	14.49	228	52658	4.57	ng	96
85) Indeno(1,2,3-cd)pyrene	17.38	276	32311	2.95	ng	94
87) Benzo(b)fluoranthene	15.69	252	75214m	6.32	ng	
89) Benzo(a)pyrene	16.04	252	54432	4.92	ng	92
91) Benzo(g,h,i)perylene	17.76	276	32040	3.42	ng	96

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

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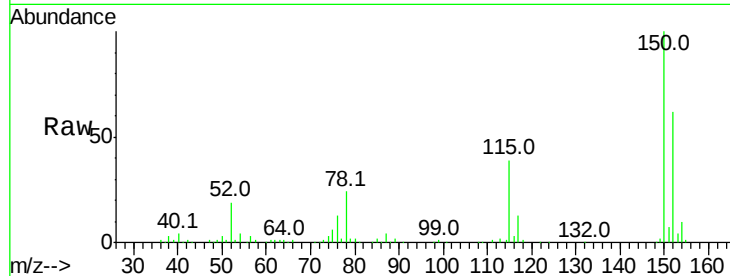


#1

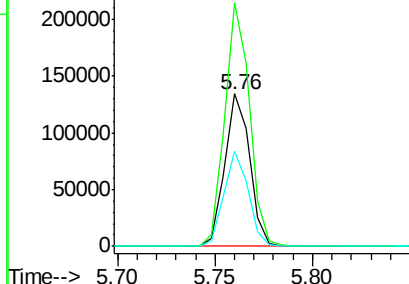
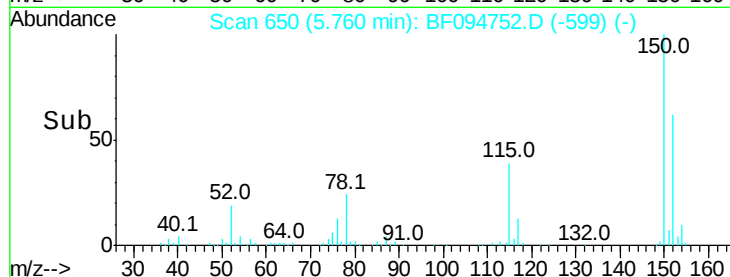
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.76 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 GF-TEST

Tot Ion:152 Resp: 118670
 Ion Ratio Lower Upper
 152 100
 150 160.1 126.2 189.2
 115 62.8 52.2 78.2



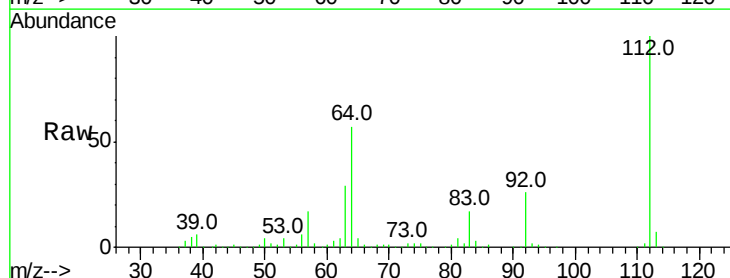
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



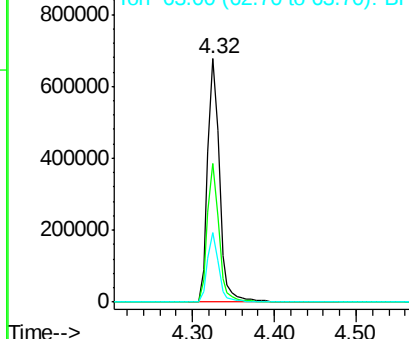
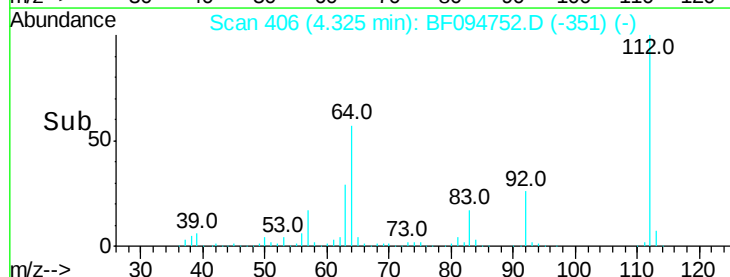
#5

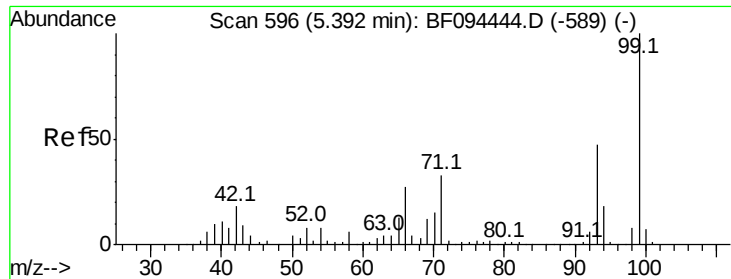
2-Fluorophenol
 Concen: 95.87 ng
 RT: 4.32 min Scan# 406
 Delta R.T. 0.02 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Tgt Ion:112 Resp: 685748
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.0 69.0
 63 28.8 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.47 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampled :

GF-TEST

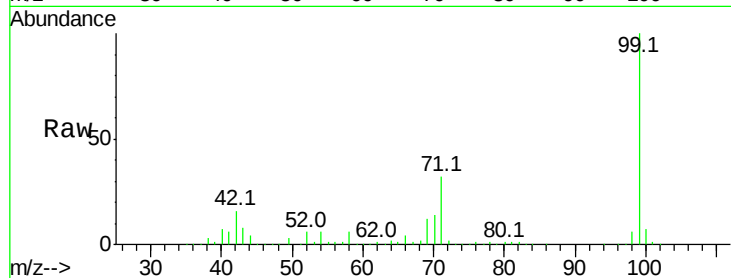
Tot Ion: 99 Resp: 830322

Ion Ratio Lower Upper

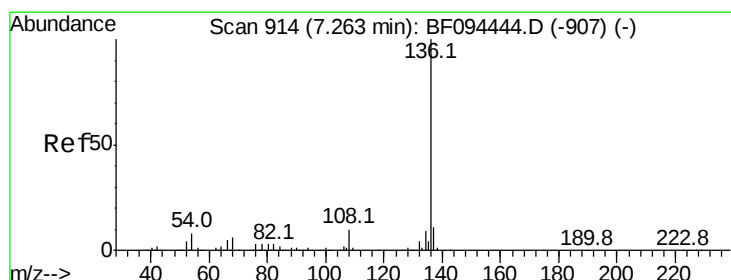
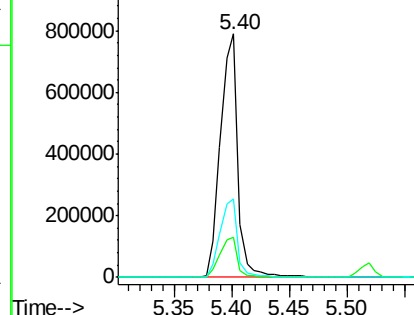
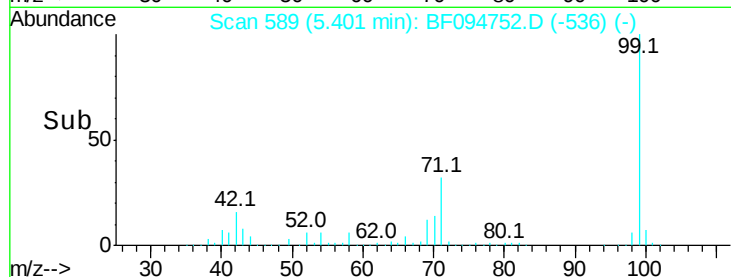
99 100

42 16.3 13.5 20.3

71 32.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.25 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Tgt Ion: 136 Resp: 450429

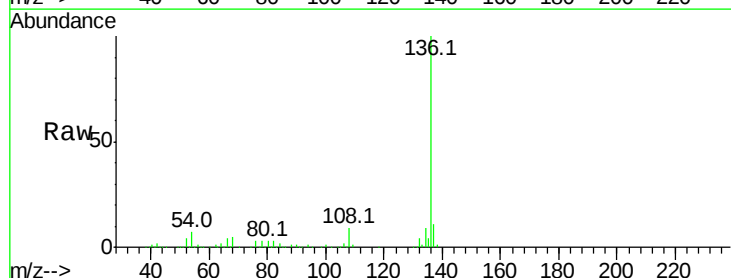
Ion Ratio Lower Upper

136 100

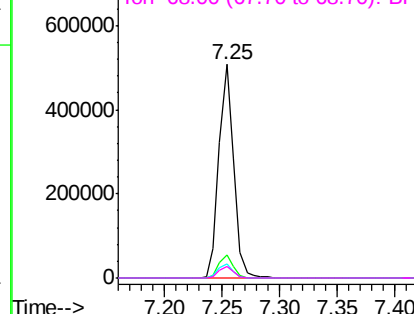
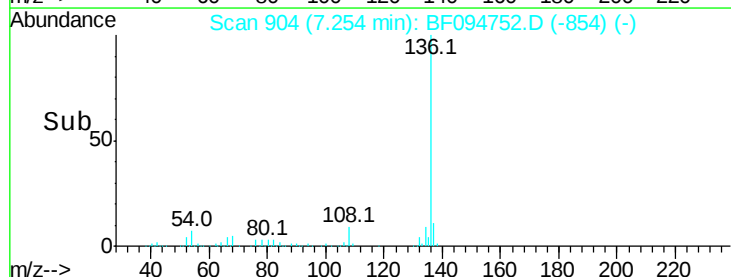
137 10.6 8.5 12.7

54 6.7 4.9 7.3

68 5.4 4.1 6.1



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): BF0
Ion 68.00 (67.70 to 68.70): BF0

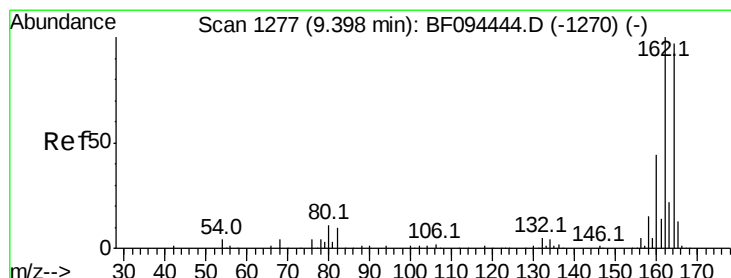
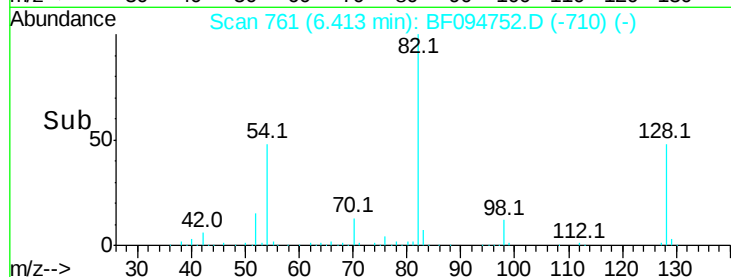
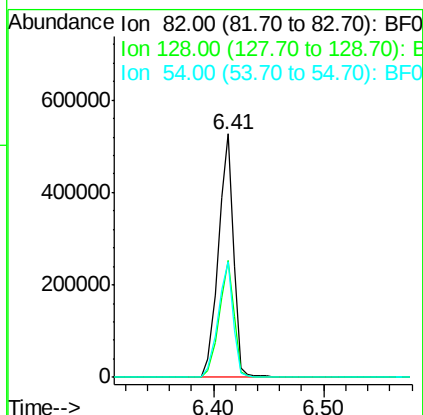
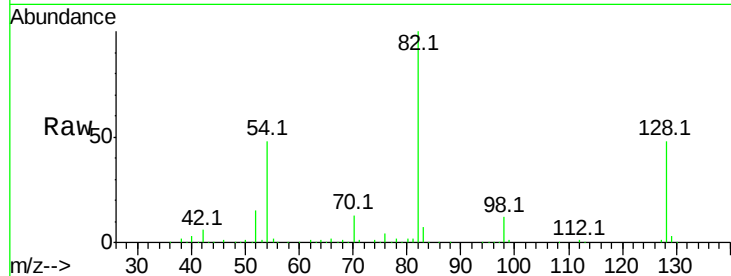




#23
 Nitrobenzene-d5
 Concen: 68.70 ng
 RT: 6.41 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

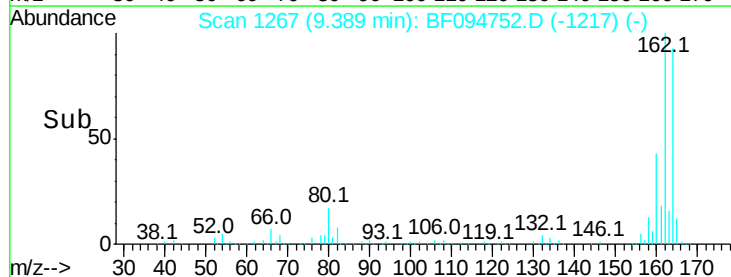
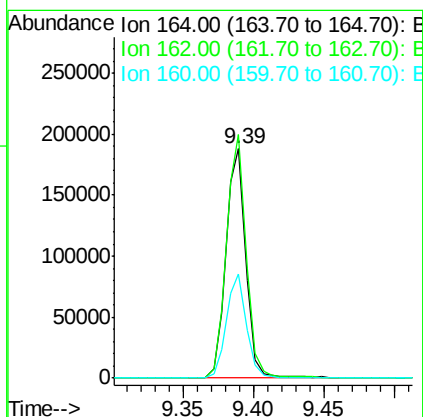
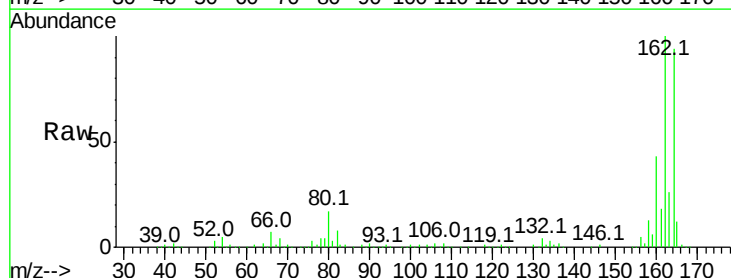
Instrument :
 BNA_F
 ClientSampleId :
 GF-TEST

Tot Ion: 82 Resp: 501120
 Ion Ratio Lower Upper
 82 100
 128 47.9 34.0 51.0
 54 47.7 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Tgt Ion:164 Resp: 183547
 Ion Ratio Lower Upper
 164 100
 162 106.3 82.6 123.8
 160 45.4 36.2 54.2

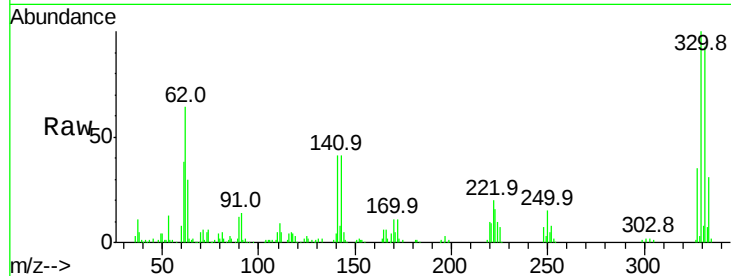




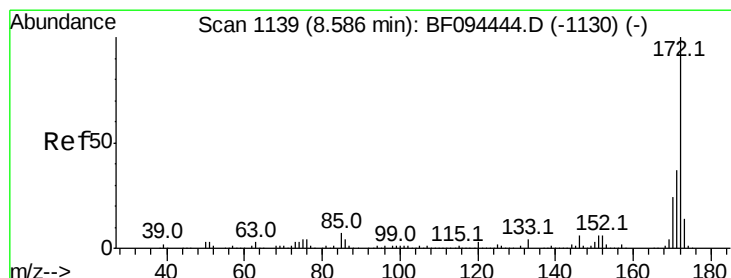
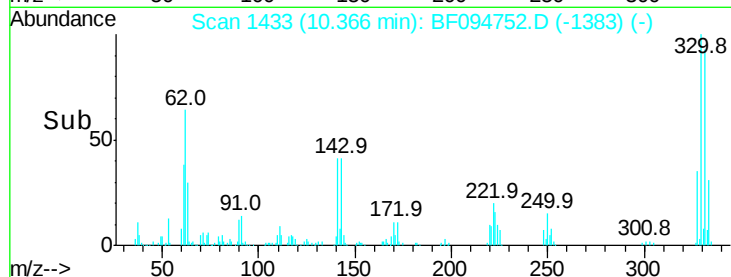
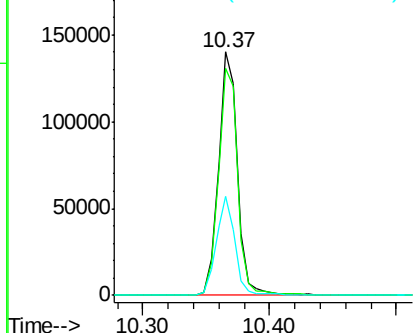
#41
 2,4,6-Tribromophenol
 Concen: 102.73 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 GF-TEST

Tot Ion:330 Resp: 147482
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 40.1 31.4 47.2

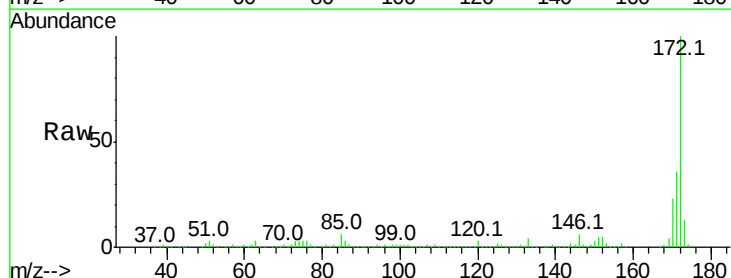


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

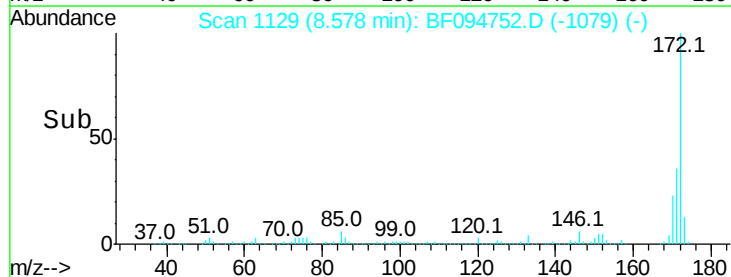
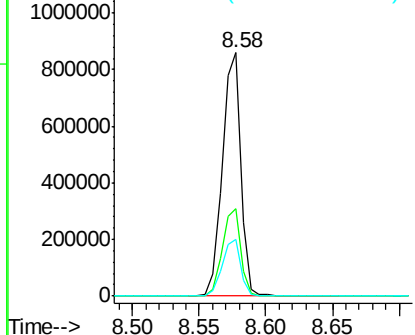


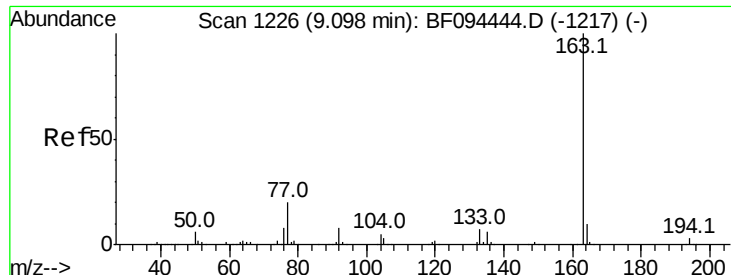
#44
 2-Fluorobiphenyl
 Concen: 67.84 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Tgt Ion:172 Resp: 846329
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.6 44.4
 170 23.3 19.8 29.8



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: 22.84 ng

RT: 9.08 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampleId :

GF-TEST

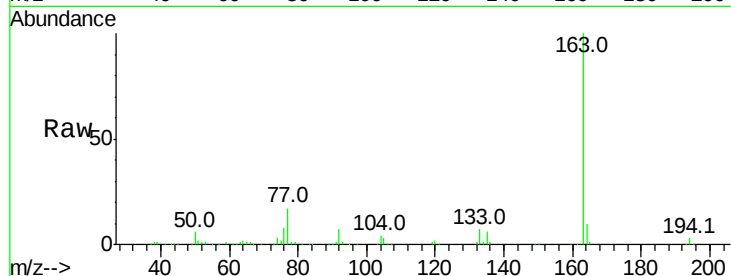
Tot Ion:163 Resp: 312354

Ion Ratio Lower Upper

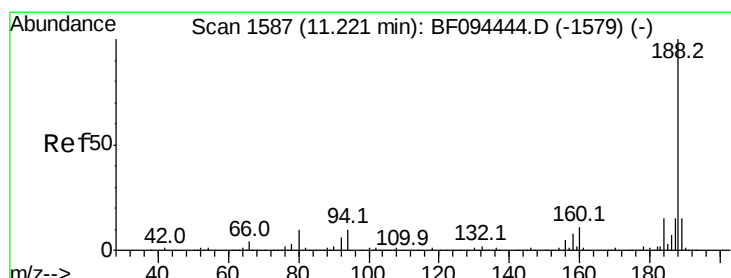
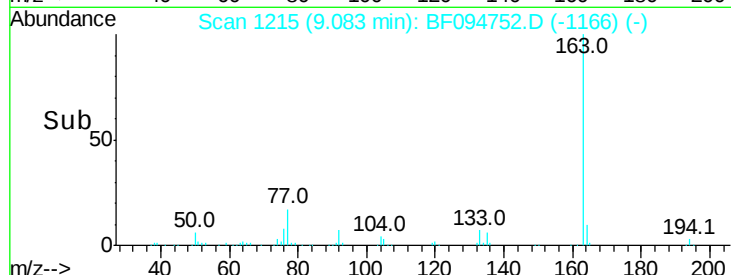
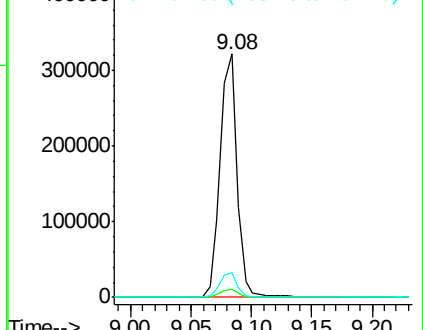
163 100

194 3.5 2.6 4.0

164 9.9 8.4 12.6



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.21 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

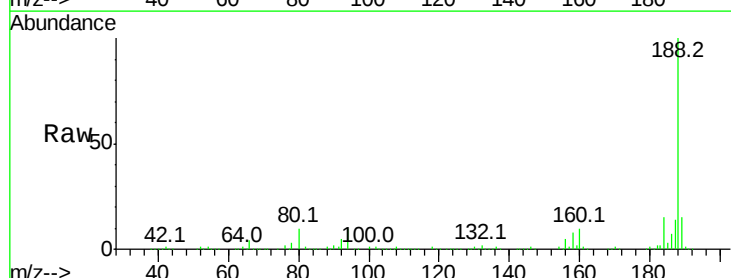
Tgt Ion:188 Resp: 303610

Ion Ratio Lower Upper

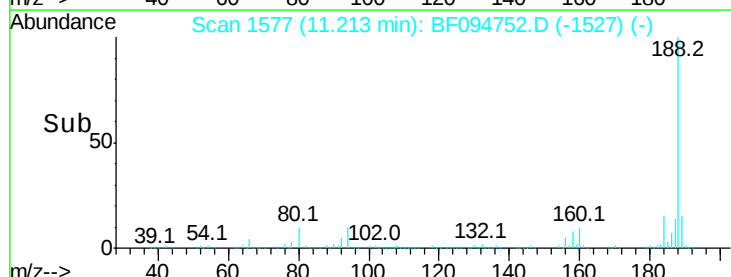
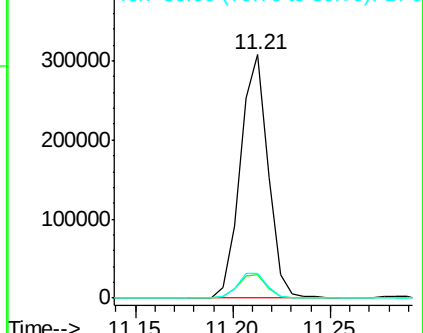
188 100

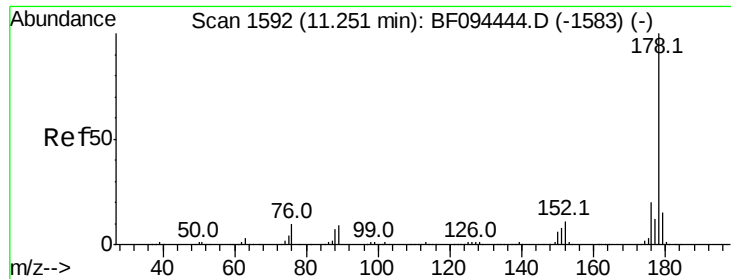
94 9.8 9.4 14.2

80 10.1 10.2 15.2#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.19 ng

RT: 11.24 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

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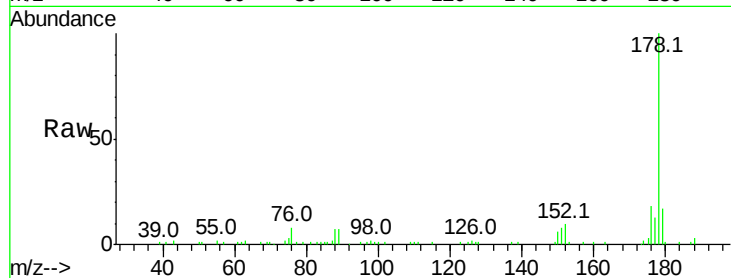
Tot Ion:178 Resp: 71720

Ion Ratio Lower Upper

178 100

176 18.0 16.2 24.4

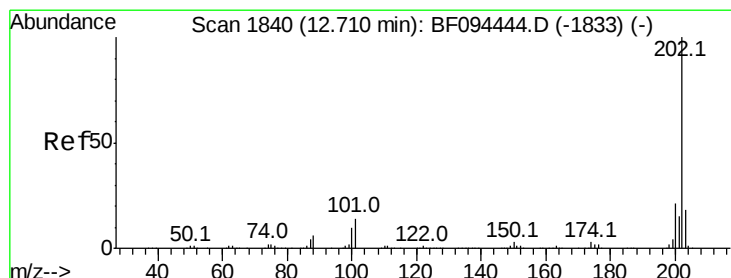
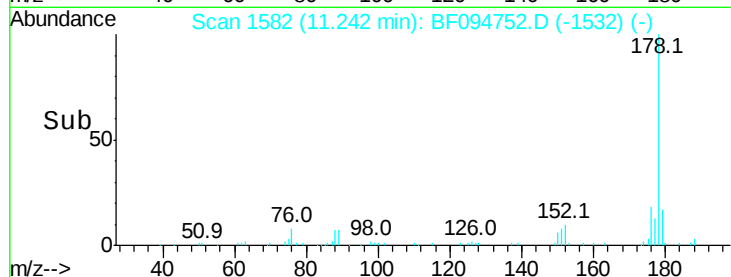
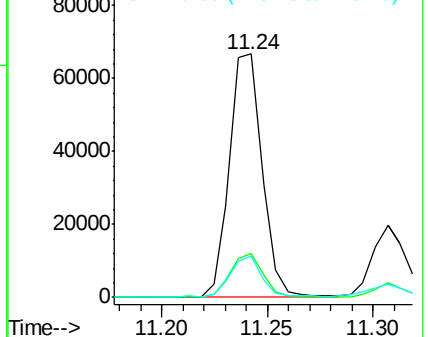
179 16.9 12.6 19.0



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: 8.52 ng

RT: 12.70 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

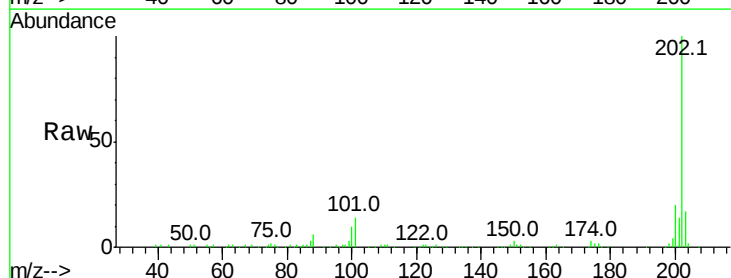
Tgt Ion:202 Resp: 151010

Ion Ratio Lower Upper

202 100

101 14.1 0.0 33.2

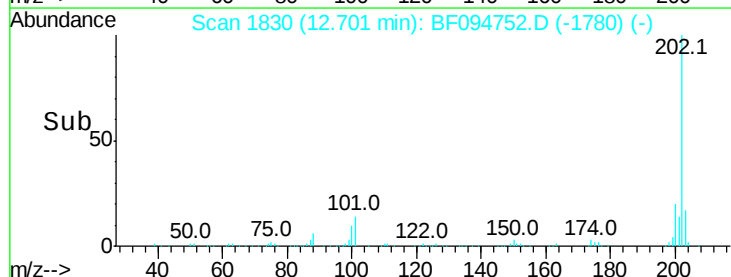
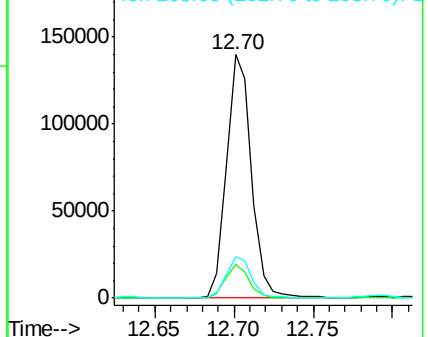
203 16.8 0.0 38.1

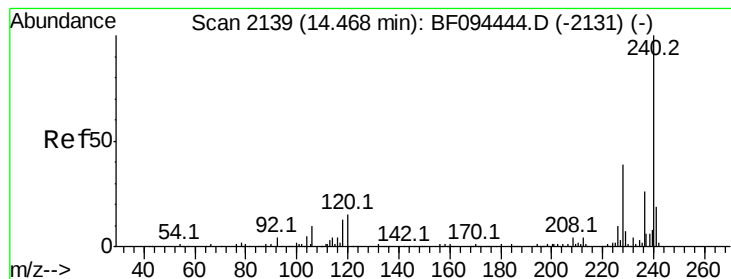


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

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ClientSampleId :

GF-TEST

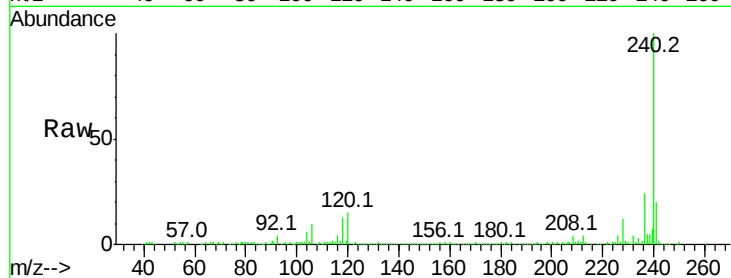
Tot Ion:240 Resp: 216814

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

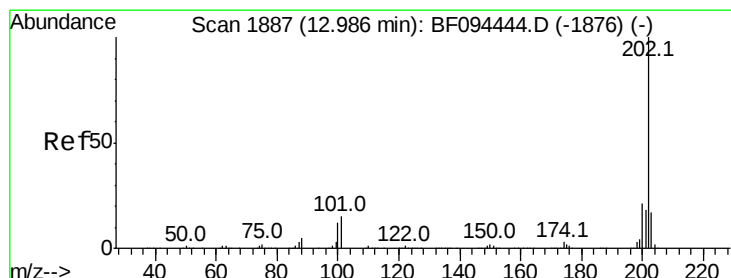
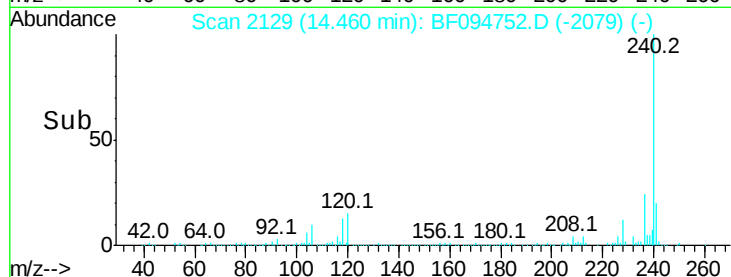
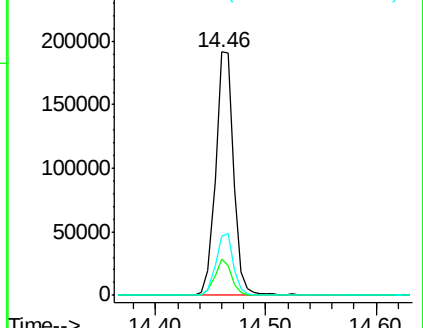
236 24.3 20.5 30.7



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: 8.81 ng

RT: 12.98 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

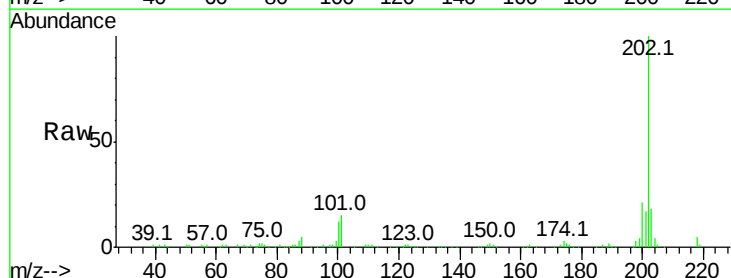
Tgt Ion:202 Resp: 133384

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

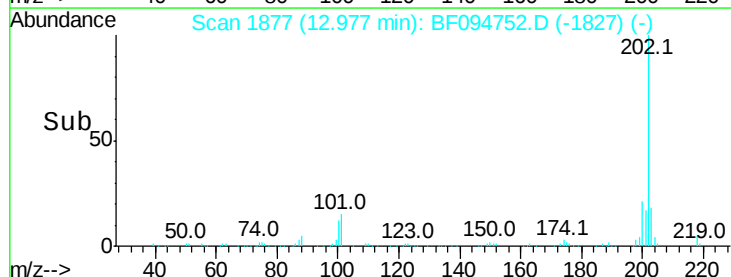
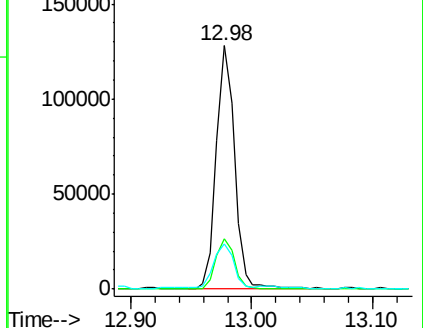
203 18.5 14.4 21.6

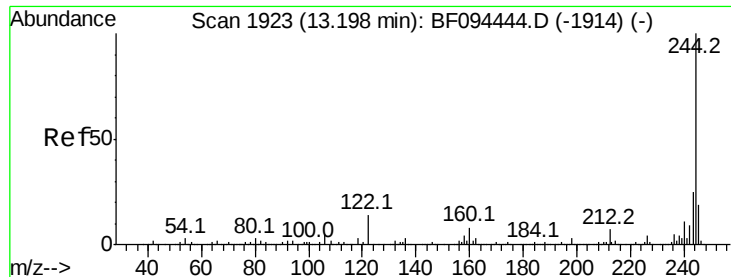


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

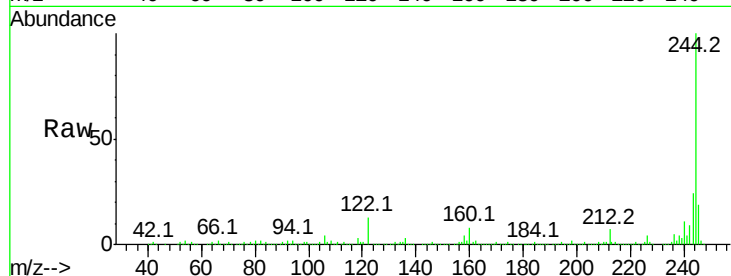




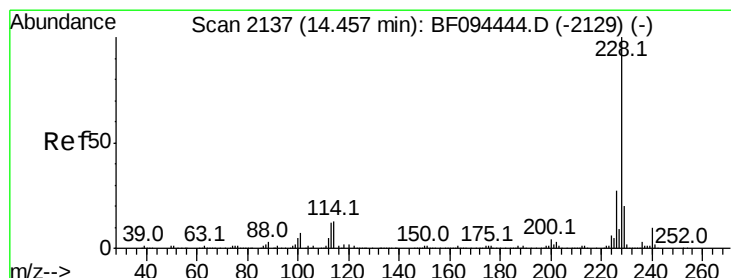
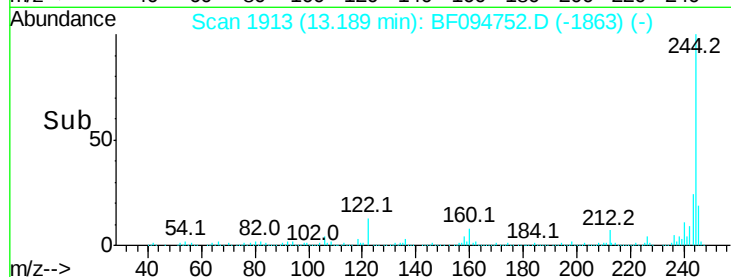
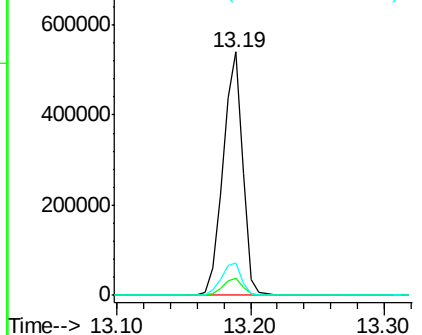
#78
 Terphenyl-d14
 Concen: 69.24 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Instrument :
 BNA_F
 ClientSampleId :
 GF-TEST

Tot Ion:244 Resp: 561617
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 13.4 10.3 15.5

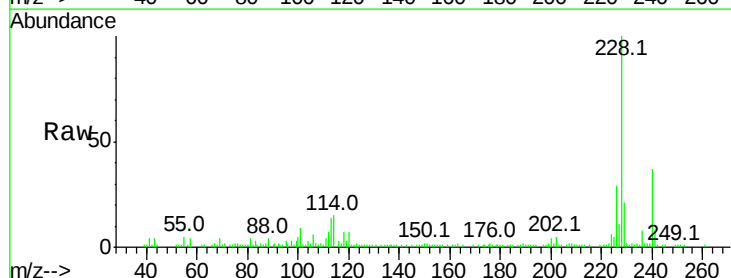


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

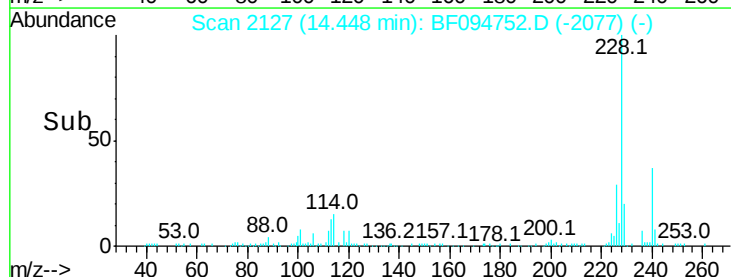
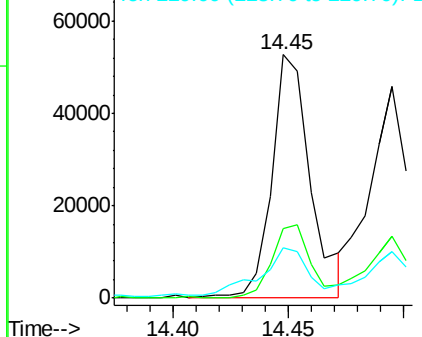


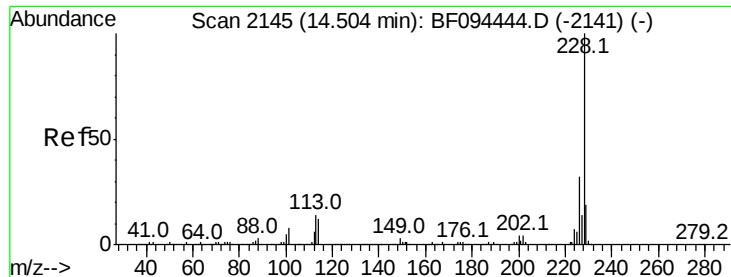
#80
 Benzo(a)anthracene
 Concen: 4.86 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.01 min
 Lab File: BF094752.D
 Acq: 1 May 2017 15:39

Tgt Ion:228 Resp: 61295
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.6 33.8
 229 20.5 16.3 24.5



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

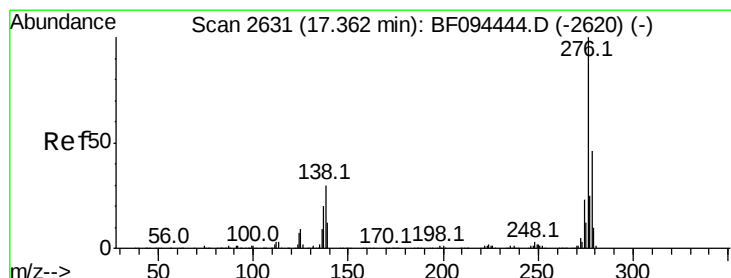
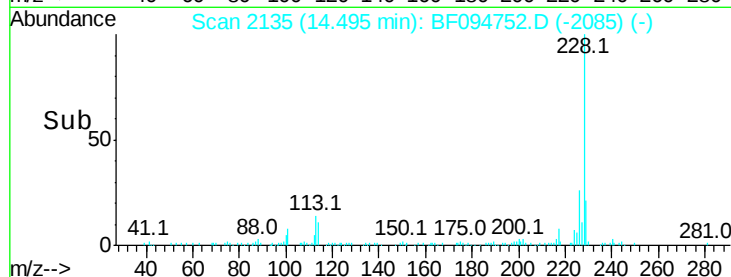
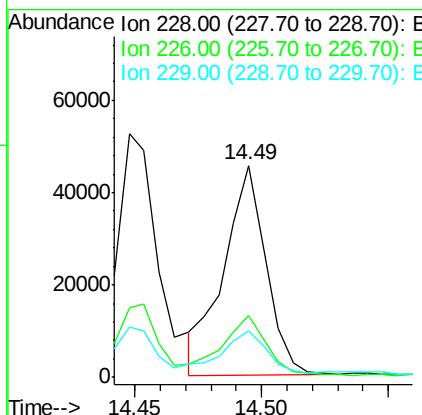
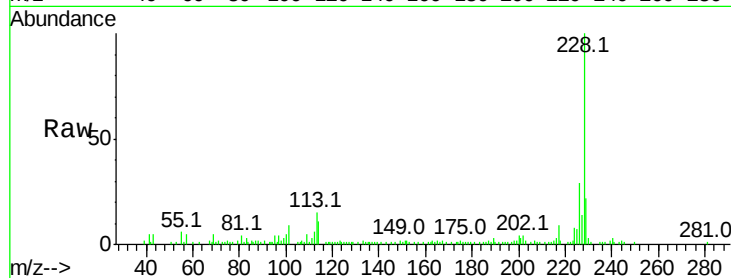




#82
Chrysene
Concen: 4.57 ng
RT: 14.49 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

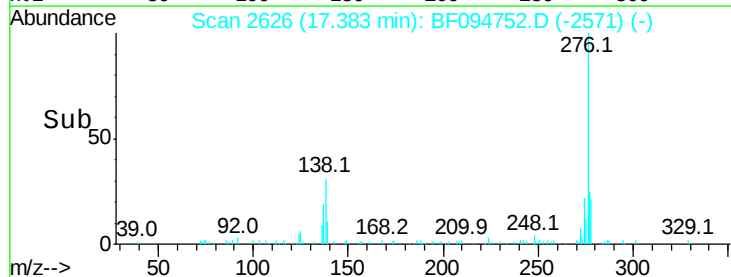
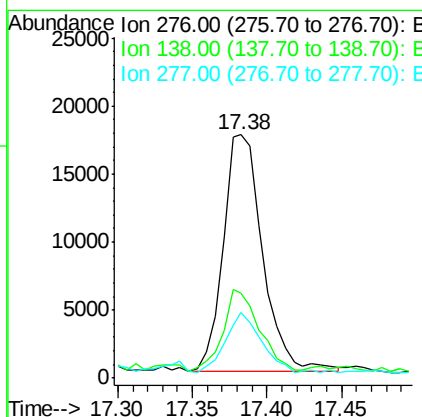
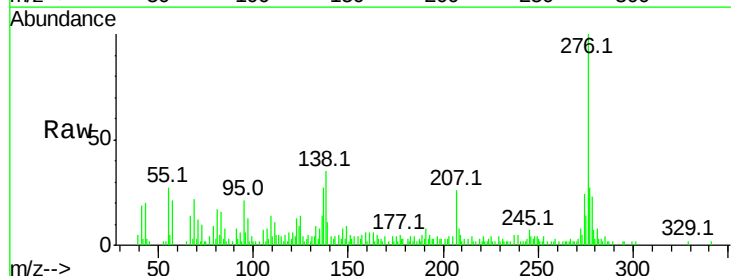
Instrument :
BNA_F
ClientSampleId :
GF-TEST

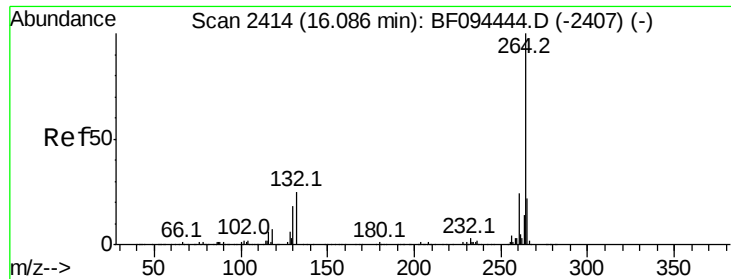
Tot Ion:228 Resp: 52658
Ion Ratio Lower Upper
228 100
226 29.0 24.9 37.3
229 21.8 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.95 ng
RT: 17.38 min Scan# 2626
Delta R.T. 0.02 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Tgt Ion:276 Resp: 32311
Ion Ratio Lower Upper
276 100
138 31.1 27.8 41.6
277 22.9 20.2 30.4



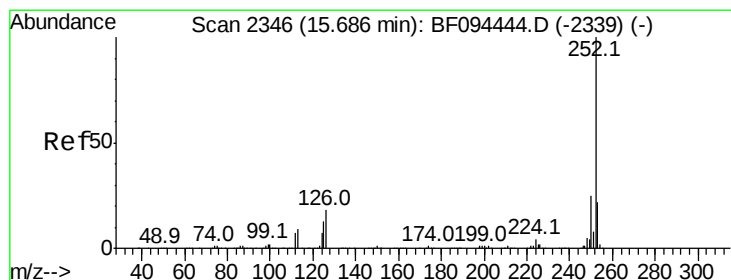
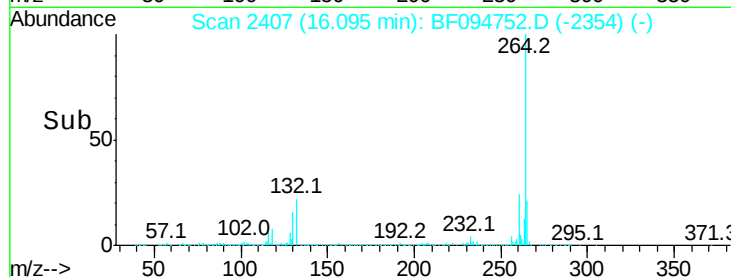
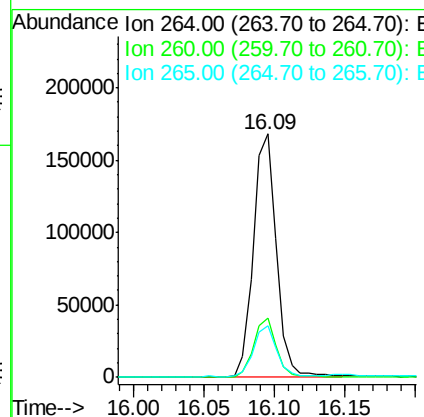
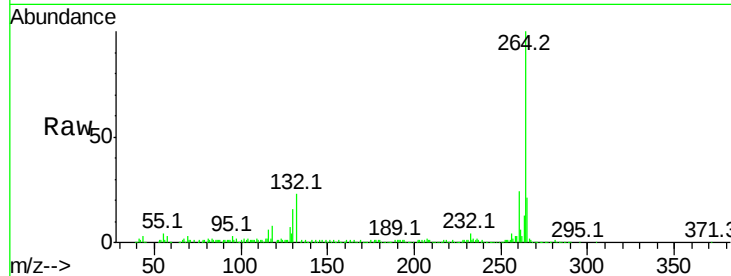


#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.09 min Scan# 2407
Delta R.T. 0.01 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Instrument :
BNA_F
ClientSampleId :
GF-TEST

Tot Ion:264 Resp: 194498

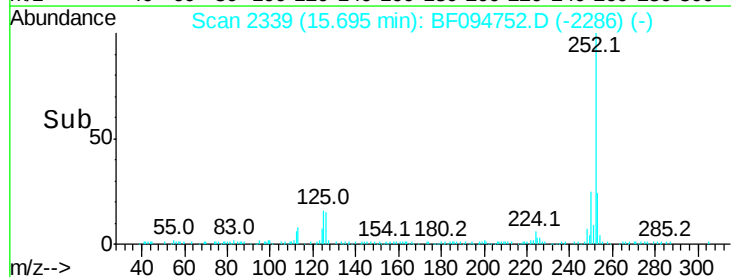
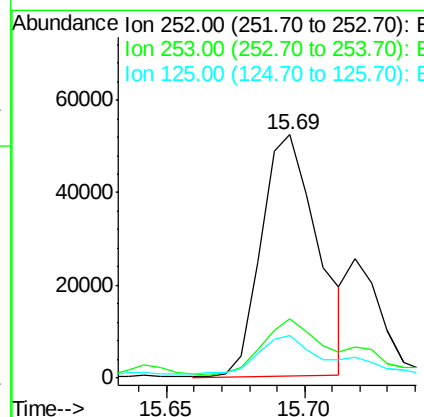
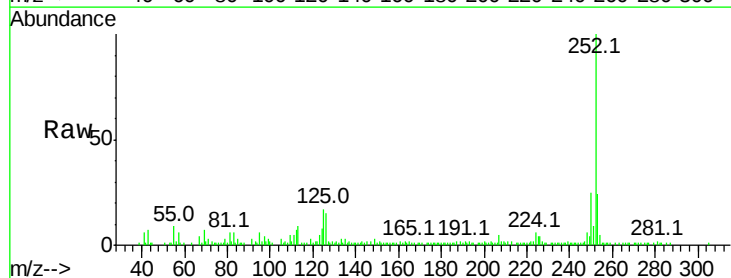
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.3	17.2	25.8

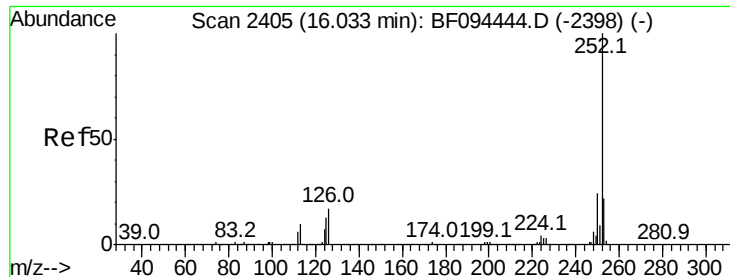


#87
Benzo(b)fluoranthene
Concen: 6.32 ng m
RT: 15.69 min Scan# 2339
Delta R.T. 0.01 min
Lab File: BF094752.D
Acq: 1 May 2017 15:39

Tgt Ion:252 Resp: 75214

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	17.5	9.8	14.8





#89

Benzo(a)pyrene

Concen: 4.92 ng

RT: 16.04 min Scan# 2397

Delta R.T. 0.00 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

Instrument :

BNA_F

ClientSampleId :

GF-TEST

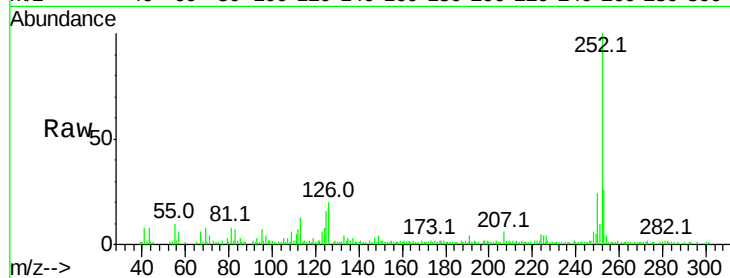
Tot Ion:252 Resp: 54432

Ion Ratio Lower Upper

252 100

253 25.8 17.5 26.3

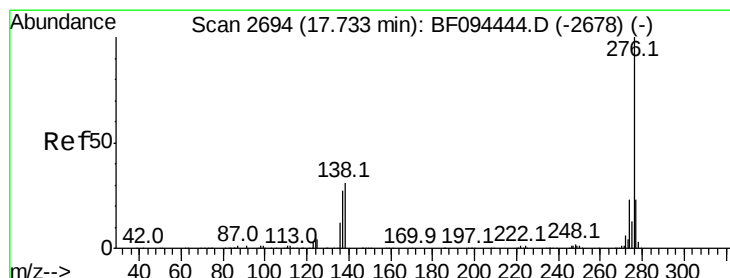
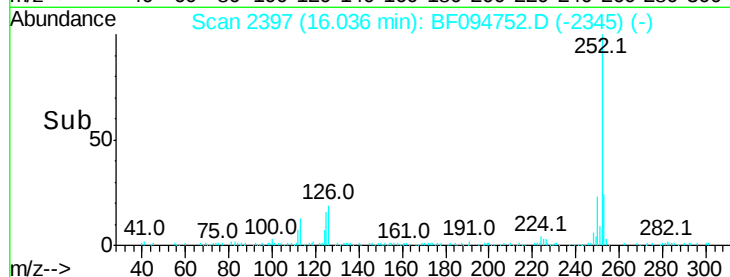
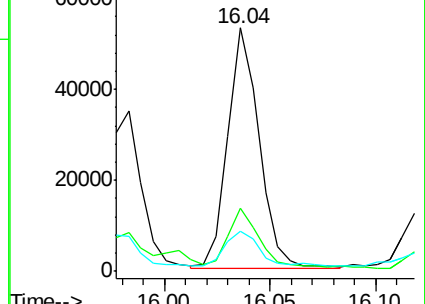
125 16.3 11.0 16.4



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: 3.42 ng

RT: 17.76 min Scan# 2690

Delta R.T. 0.03 min

Lab File: BF094752.D

Acq: 1 May 2017 15:39

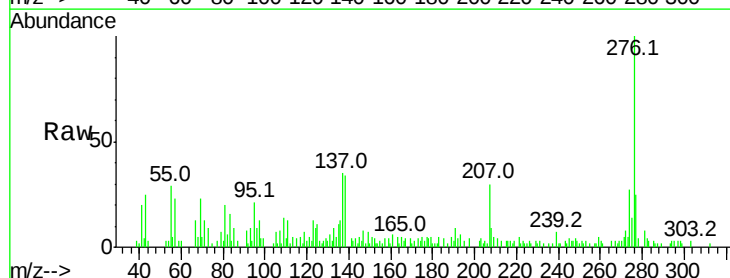
Tgt Ion:276 Resp: 32040

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 34.2 25.4 38.0



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

