

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012215\
 Data File : BF077033.D
 Acq On : 23 Jan 2015 5:42
 Operator : TP/IZ
 Sample : G1149-01
 Misc : S
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-011-A

Quant Time: Jan 23 06:36:34 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 23 03:40:26 2015
 Response via : Initial Calibration

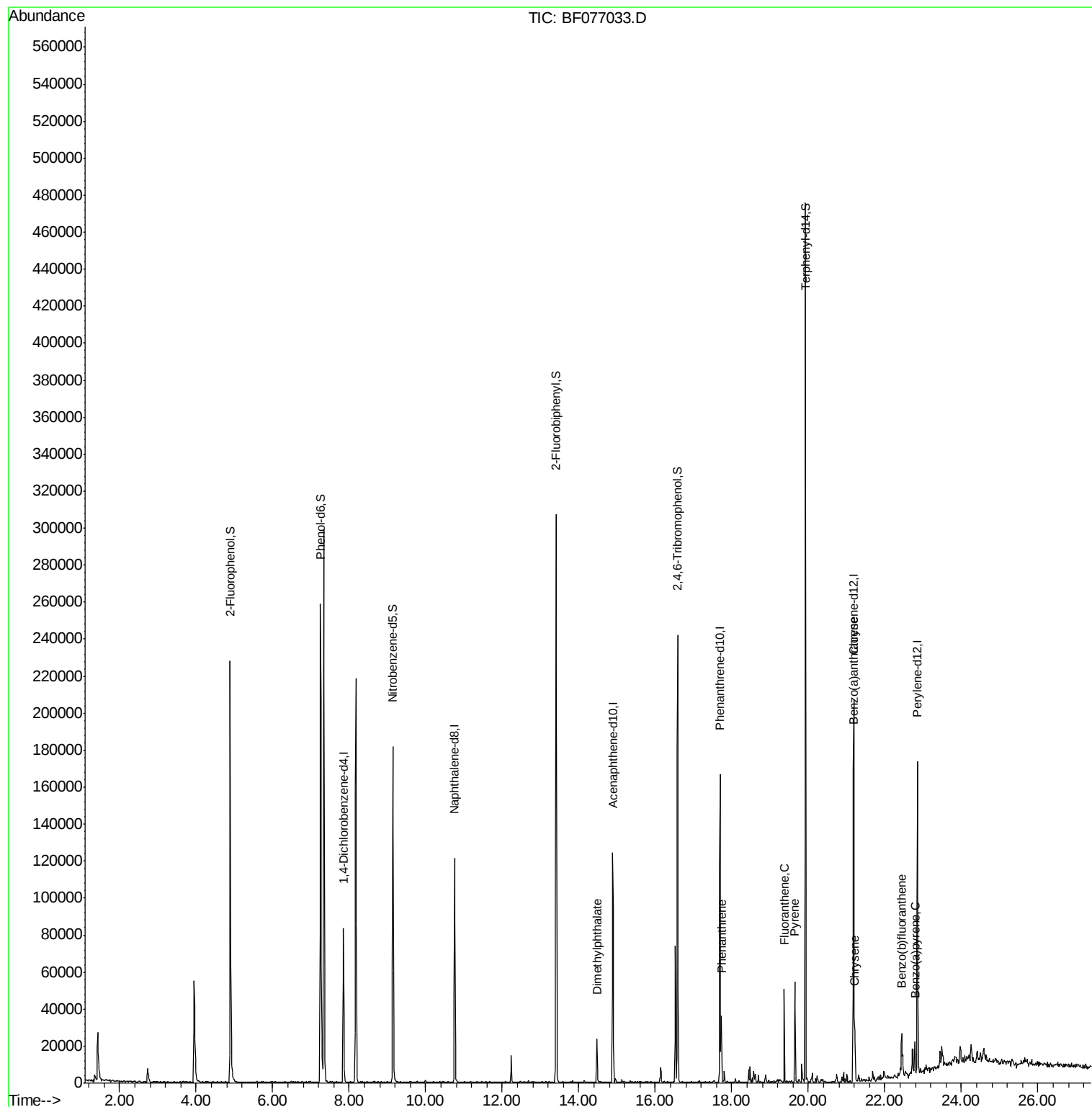
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	23628	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	100655	20.00	ng	-0.01
38) Acenaphthene-d10	14.88	164	51955	20.00	ng	-0.01
63) Phenanthrene-d10	17.69	188	87378	20.00	ng	0.00
75) Chrysene-d12	21.19	240	86054	20.00	ng	0.00
86) Perylene-d12	22.85	264	79336	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	125693	87.46	ng	0.00
7) Phenol-d6	7.25	99	164989	91.01	ng	-0.01
23) Nitrobenzene-d5	9.14	82	99864	54.97	ng	-0.01
41) 2,4,6-Tribromophenol	16.59	330	38262	90.73	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	169550	49.66	ng	-0.01
78) Terphenyl-d14	19.92	244	172164	46.06	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	14.48	163	21127	5.73	ng	97
70) Phenanthrene	17.73	178	24737	4.54	ng	96
74) Fluoranthene	19.37	202	31280	5.60	ng	98
77) Pyrene	19.65	202	29438	4.99	ng	96
80) Benzo(a)anthracene	21.18	228	17308	3.21	ng	96
82) Chrysene	21.21	228	11797m	2.40	ng	
87) Benzo(b)fluoranthene	22.44	252	15137m	2.83	ng	
89) Benzo(a)pyrene	22.79	252	10434	2.21	ng	# 90

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

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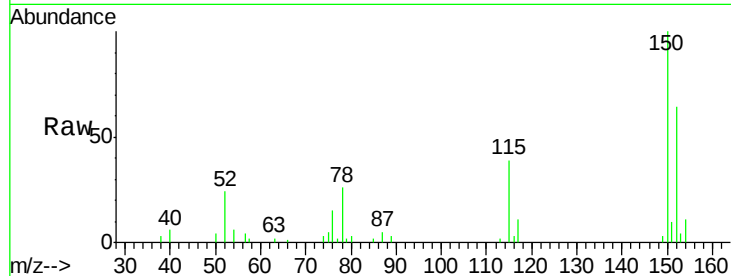


#1

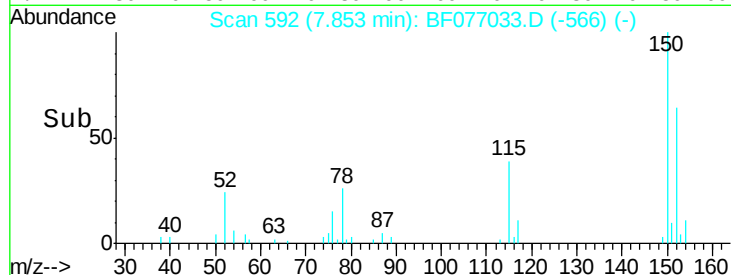
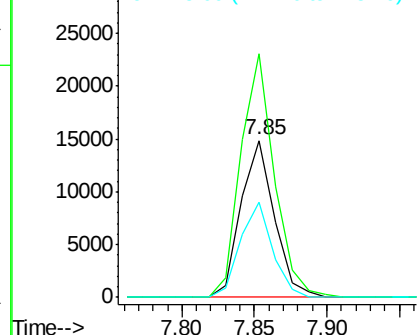
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Instrument :
BNA_F
ClientSampleId :
FK-GF-01-011-A

Tot Ion:152 Resp: 23628
Ion Ratio Lower Upper
152 100
150 155.1 121.7 182.5
115 60.8 47.0 70.6



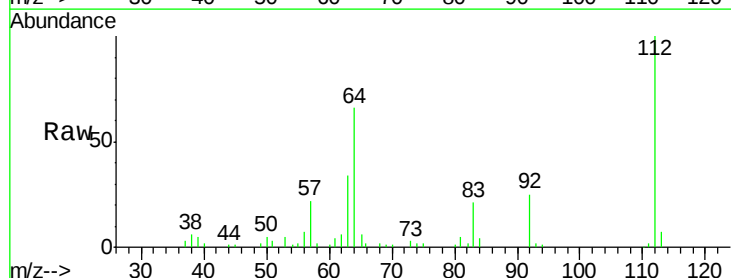
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



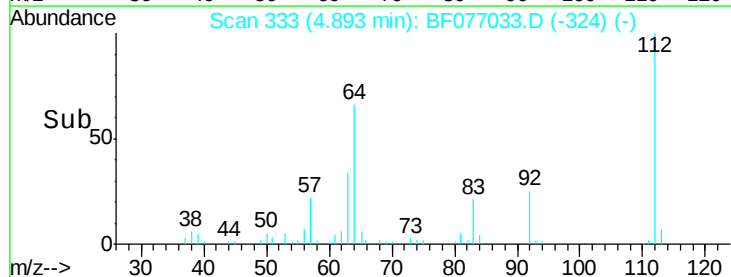
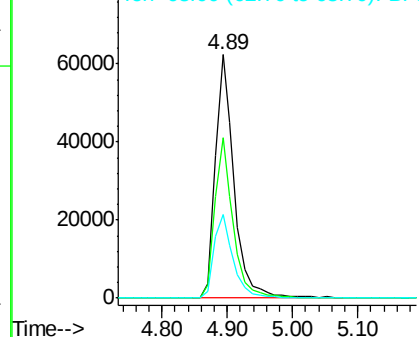
#5

2-Fluorophenol
Concen: 87.46 ng
RT: 4.89 min Scan# 333
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Tgt Ion:112 Resp: 125693
Ion Ratio Lower Upper
112 100
64 65.8 54.2 81.4
63 34.2 28.4 42.6



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: 91.01 ng

RT: 7.25 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-011-A

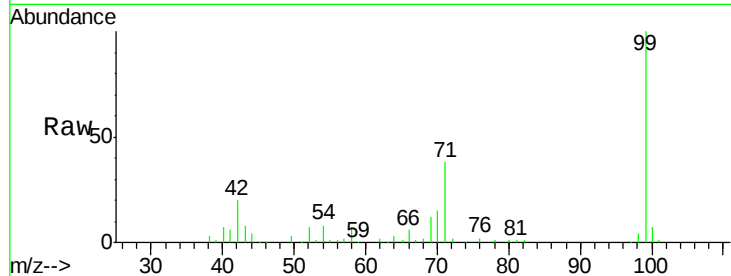
Tot Ion: 99 Resp: 164989

Ion Ratio Lower Upper

99 100

42 19.6 15.0 22.4

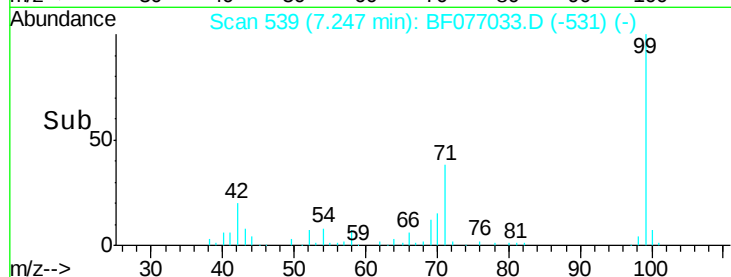
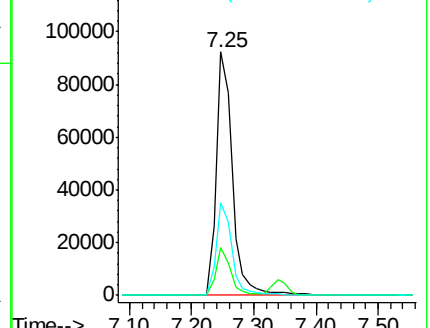
71 38.2 30.5 45.7



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: 10.76 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

Tgt Ion: 136 Resp: 100655

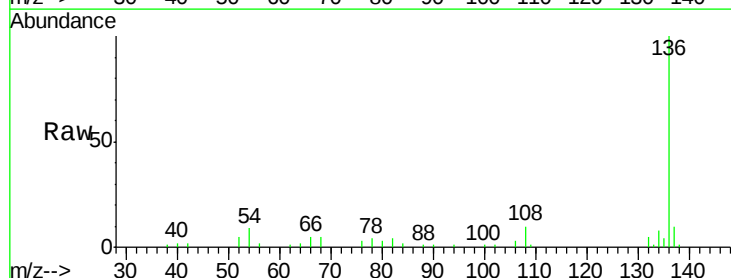
Ion Ratio Lower Upper

136 100

137 9.7 8.1 12.1

54 8.8 7.0 10.4

68 4.6 3.7 5.5

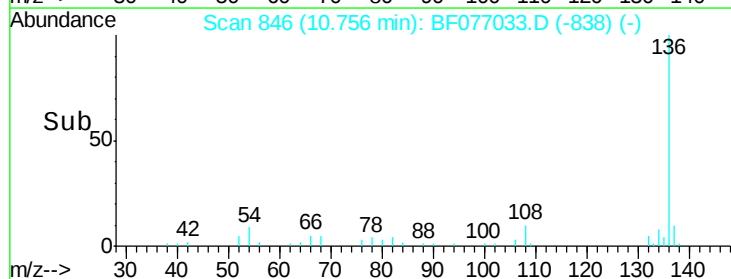
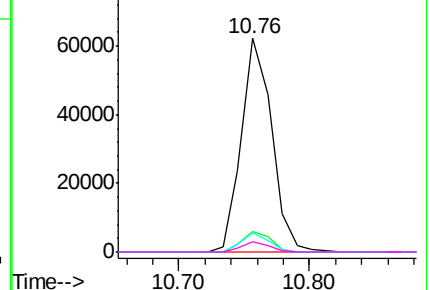


Abundance Ion 136.00 (135.70 to 136.70): E

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

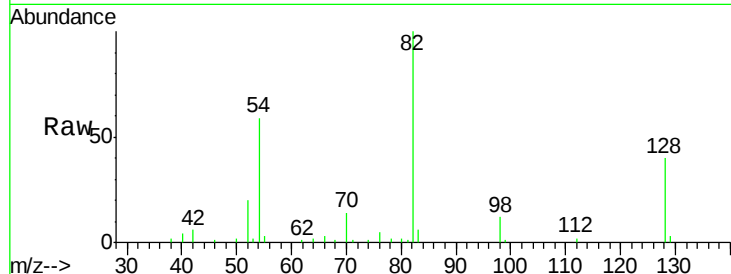




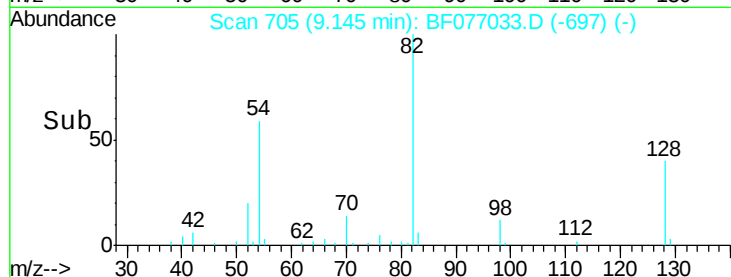
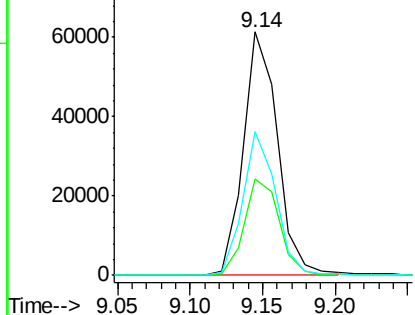
#23
 Nitrobenzene-d5
 Concen: 54.97 ng
 RT: 9.14 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-011-A

Tot Ion	82	Resp	99864
Ion Ratio	100	Lower	Upper
128	39.8	33.1	49.7
54	59.1	48.3	72.5

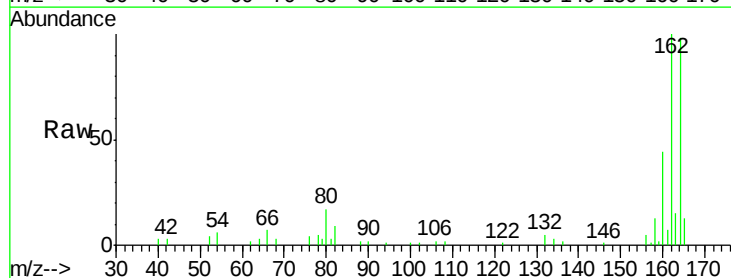


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

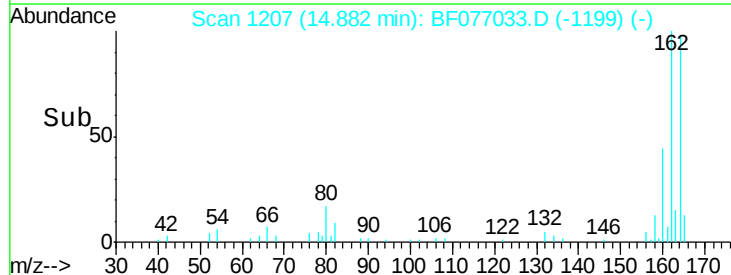
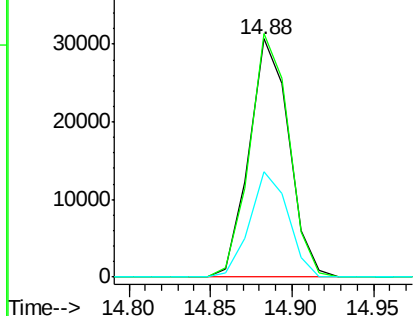


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

Tgt Ion	164	Resp	51955
Ion Ratio	100	Lower	Upper
162	102.1	82.4	123.6
160	44.4	34.8	52.2



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





#41

2,4,6-Tribromophenol

Concen: 90.73 ng

RT: 16.59 min Scan# 1356

Delta R.T. -0.00 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-011-A

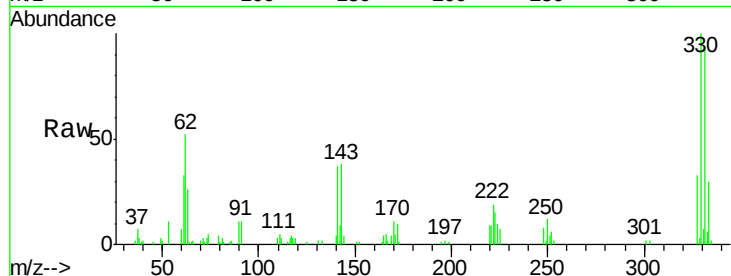
Tot Ion:330 Resp: 38262

Ion Ratio Lower Upper

330 100

332 92.9 77.8 116.6

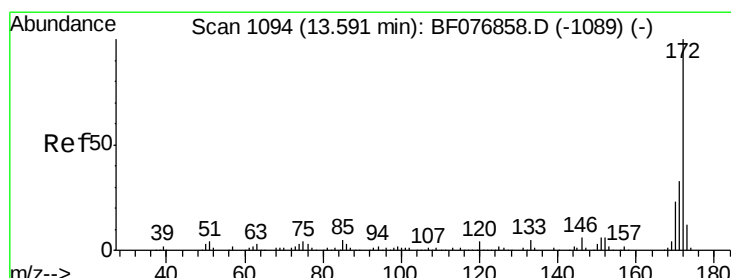
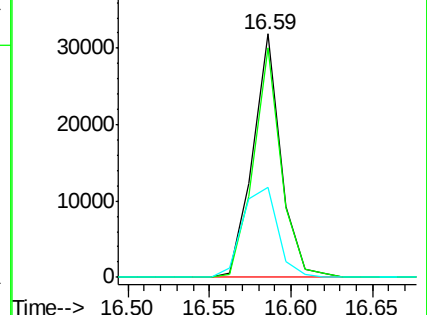
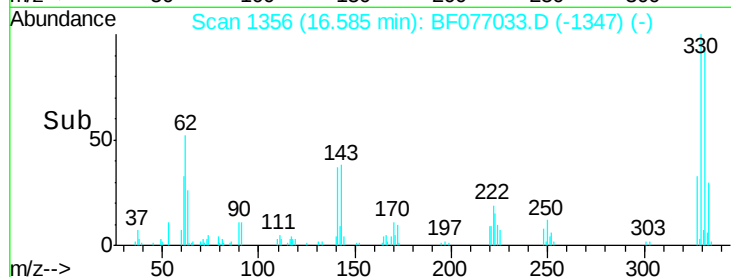
141 46.0 38.5 57.7



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: 49.66 ng

RT: 13.41 min Scan# 1078

Delta R.T. -0.01 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

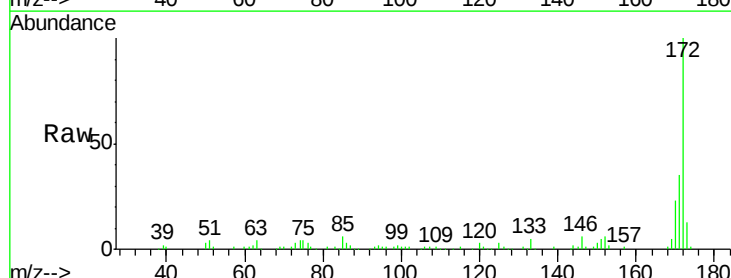
Tgt Ion:172 Resp: 169550

Ion Ratio Lower Upper

172 100

171 35.2 26.6 40.0

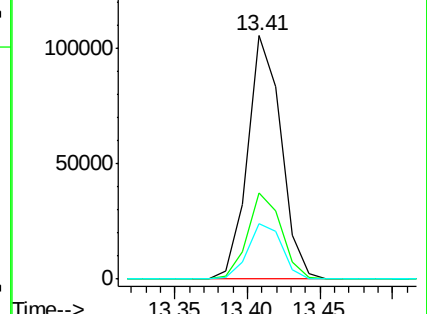
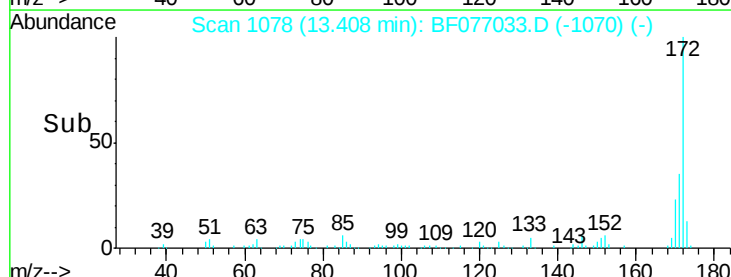
170 22.6 18.0 27.0



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: 5.73 ng

RT: 14.48 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-011-A

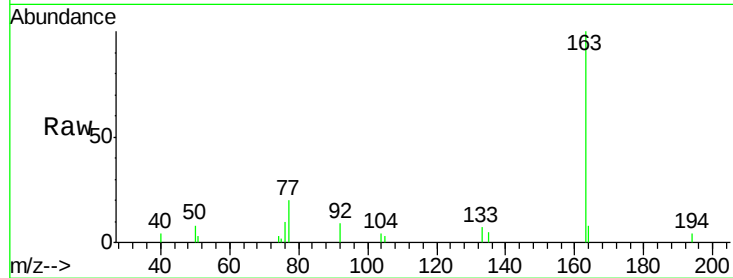
Tot Ion:163 Resp: 21127

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

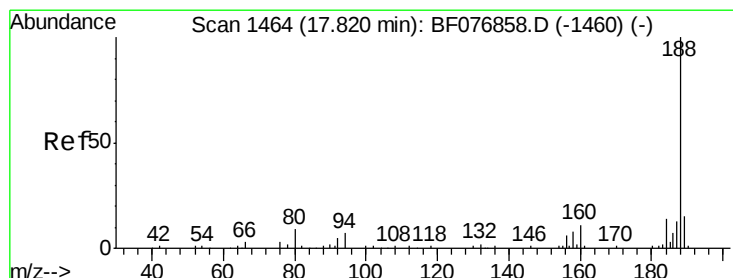
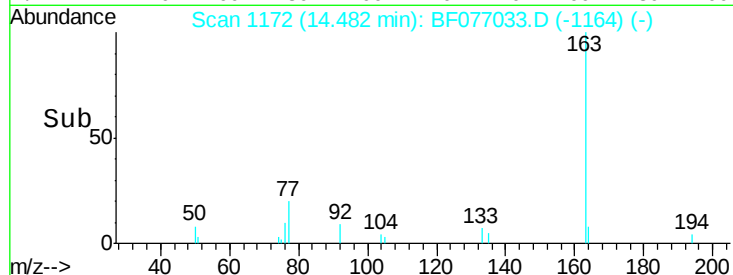
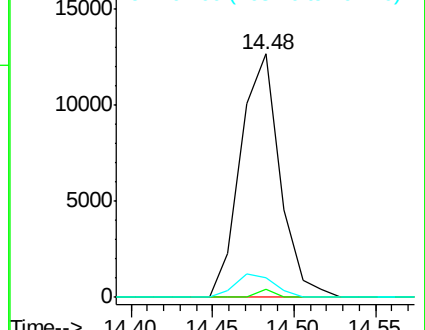
164 8.3 7.5 11.3



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: 17.69 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

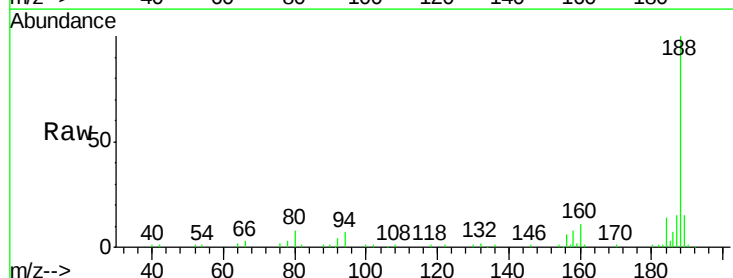
Tgt Ion:188 Resp: 87378

Ion Ratio Lower Upper

188 100

94 7.4 6.0 9.0

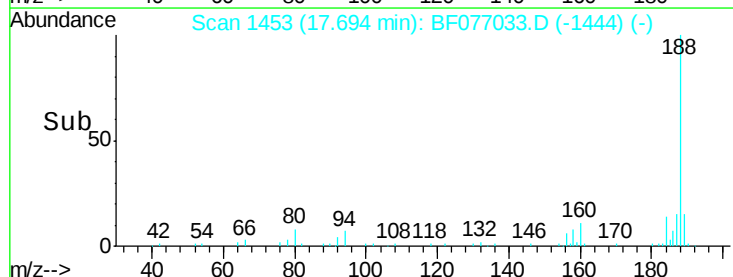
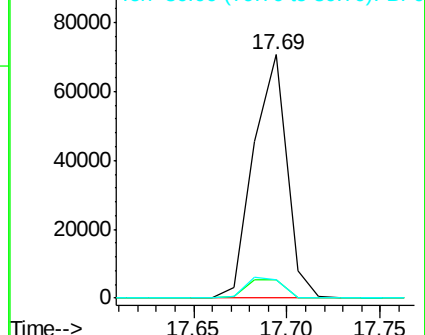
80 7.6 6.9 10.3

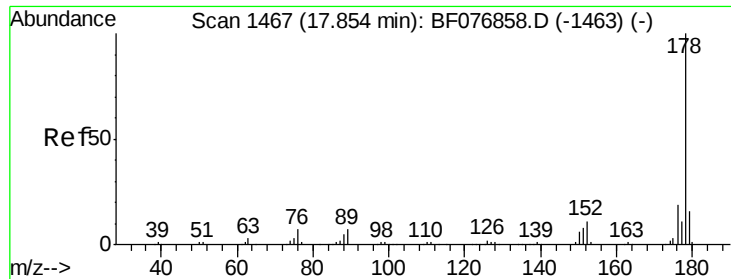


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

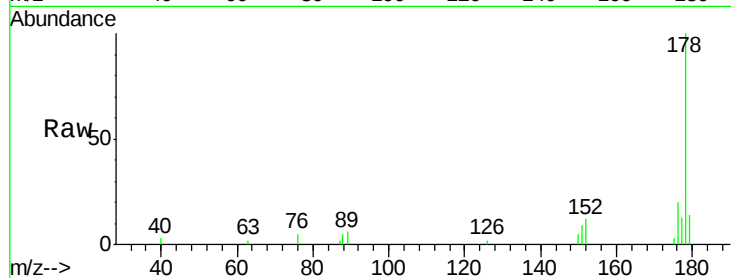




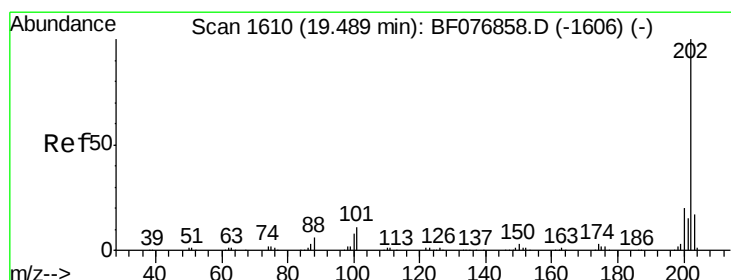
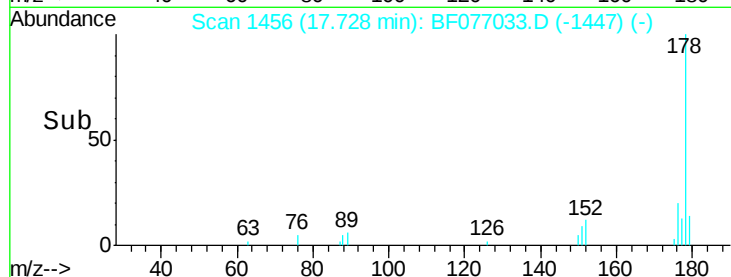
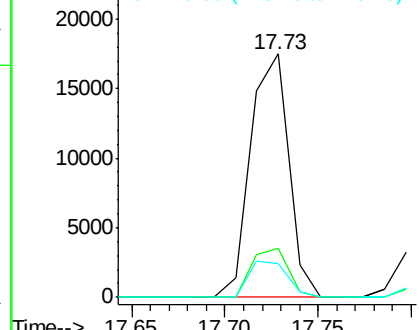
#70
Phenanthrene
Concen: 4.54 ng
RT: 17.73 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Instrument :
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ClientSampleId :
FK-GF-01-011-A

Tot Ion:178 Resp: 24737
Ion Ratio Lower Upper
178 100
176 20.1 15.1 22.7
179 13.7 12.7 19.1

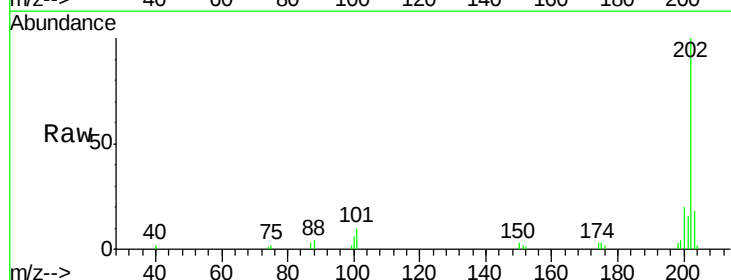


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

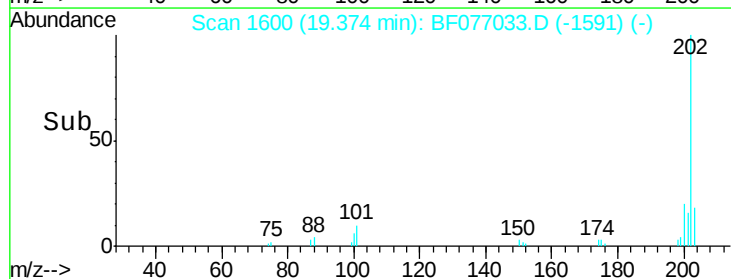
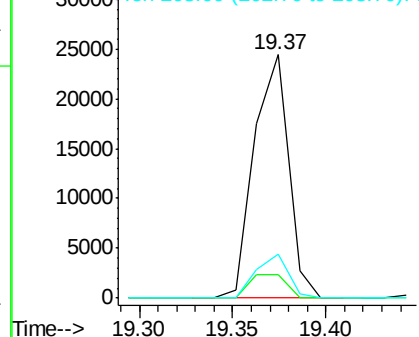


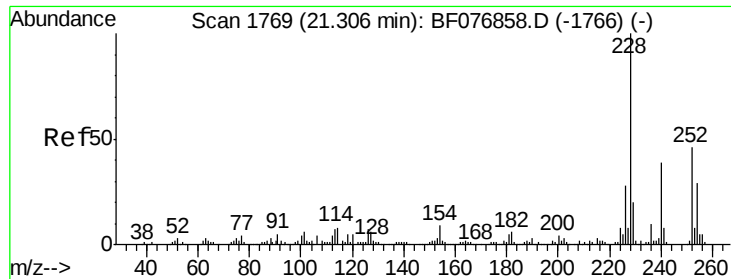
#74
Fluoranthene
Concen: 5.60 ng
RT: 19.37 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Tgt Ion:202 Resp: 31280
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.7
203 17.8 0.0 36.9



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

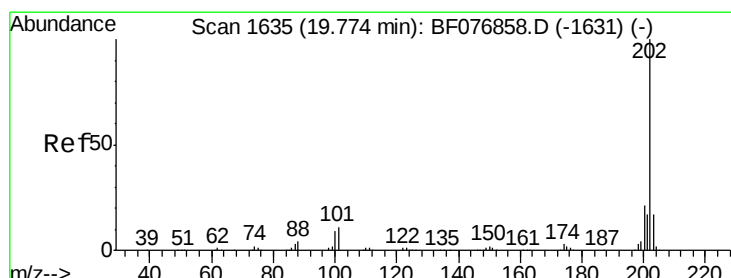
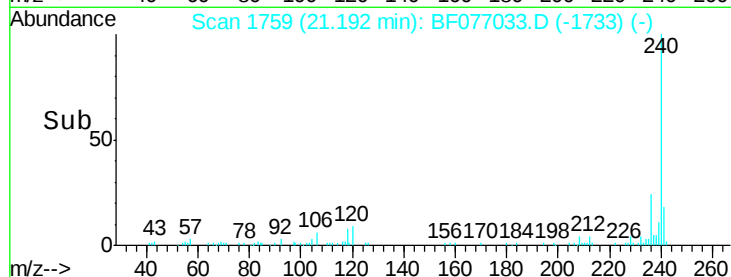
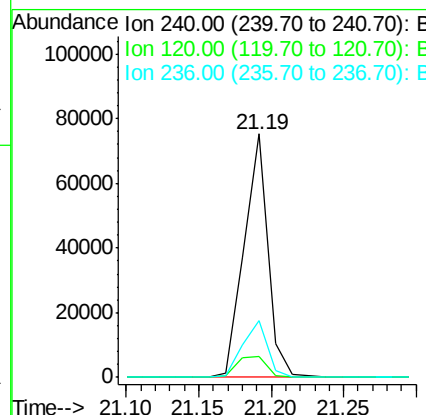
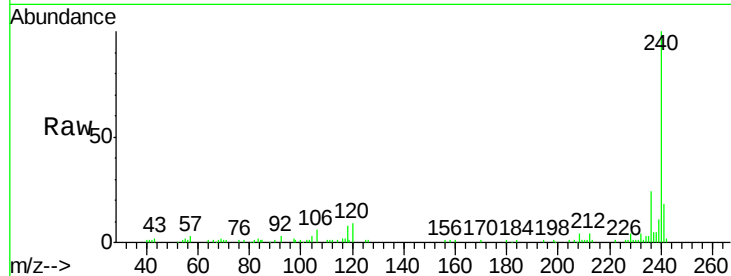




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.19 min Scan# 1759
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

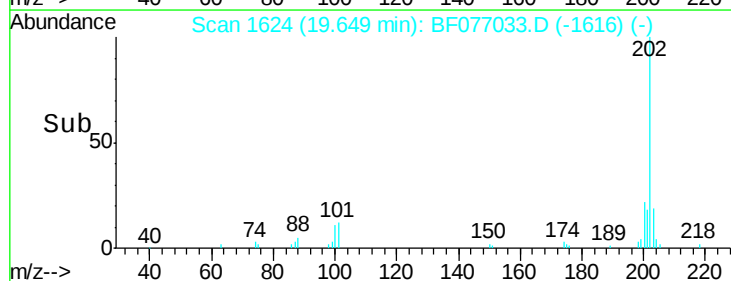
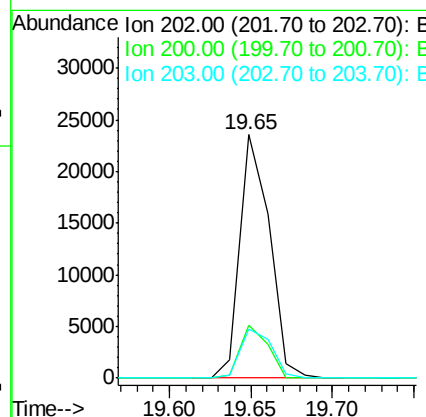
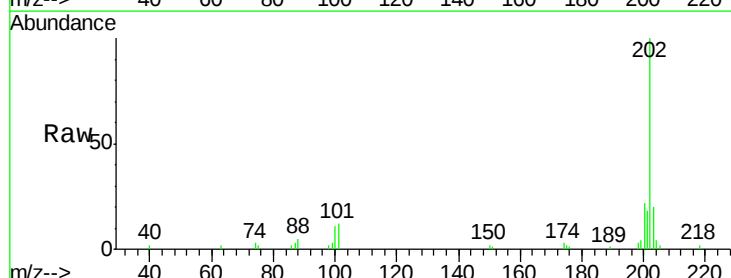
Instrument :
BNA_F
ClientSampleId :
FK-GF-01-011-A

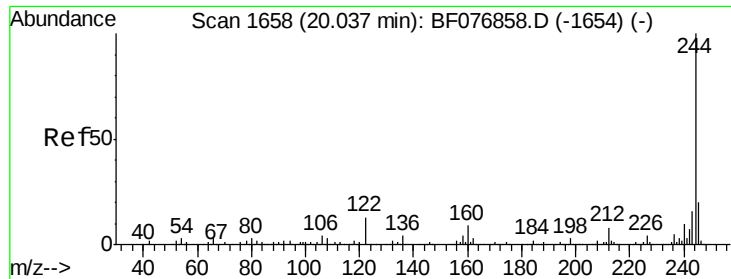
Tot Ion:240 Resp: 86054
Ion Ratio Lower Upper
240 100
120 8.8 10.4 15.6#
236 23.5 20.2 30.2



#77
Pyrene
Concen: 4.99 ng
RT: 19.65 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Tgt Ion:202 Resp: 29438
Ion Ratio Lower Upper
202 100
200 22.0 16.7 25.1
203 20.0 14.0 21.0

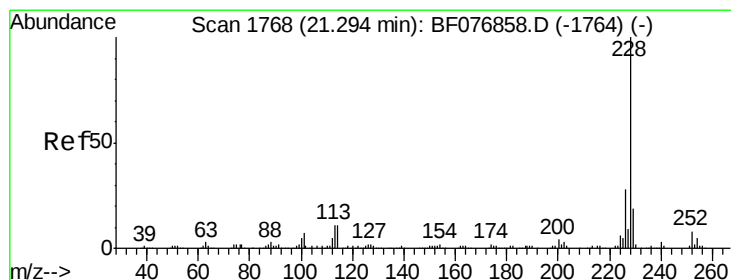
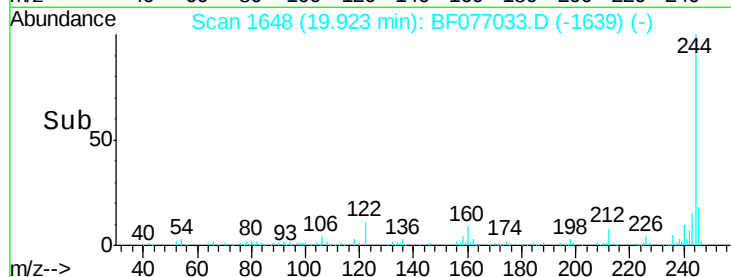
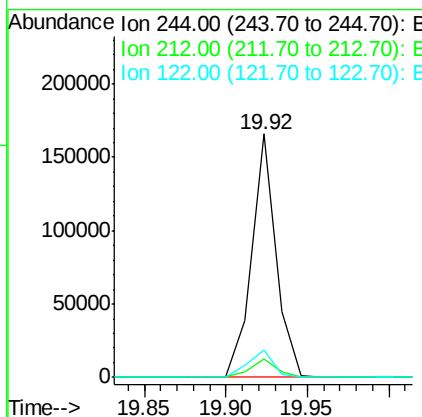
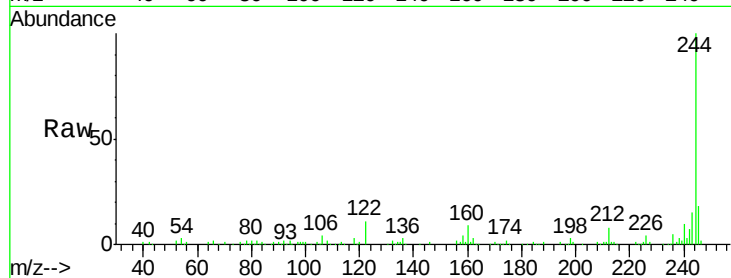




#78
 Terphenyl-d14
 Concen: 46.06 ng
 RT: 19.92 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

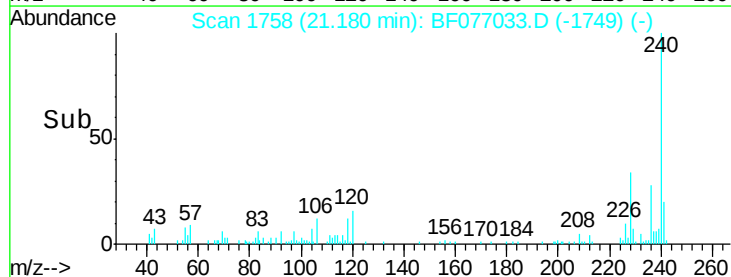
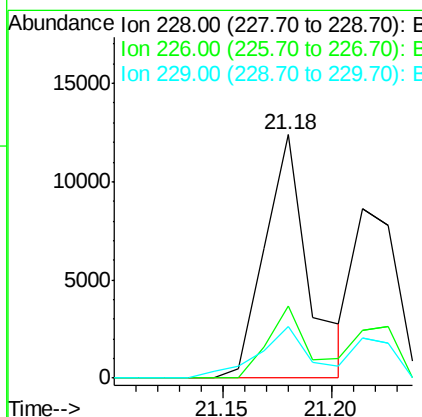
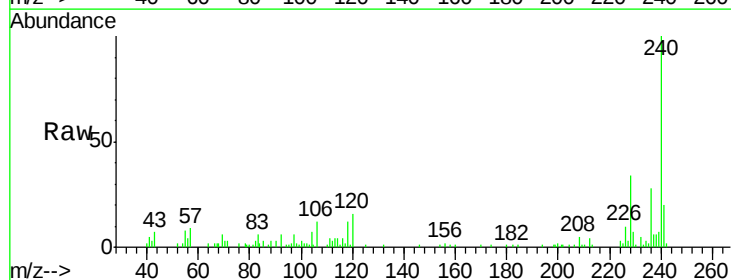
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-01-011-A

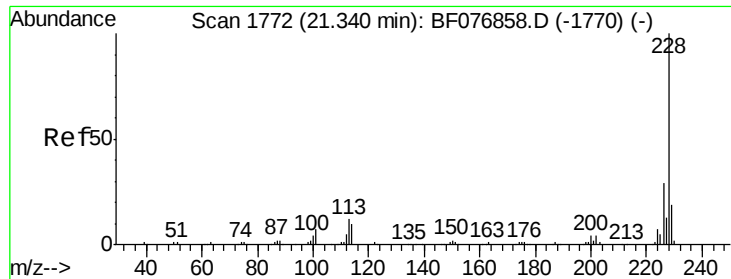
Tot Ion:244 Resp: 172164
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.3 9.5
 122 11.0 10.1 15.1



#80
 Benzo(a)anthracene
 Concen: 3.21 ng
 RT: 21.18 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

Tgt Ion:228 Resp: 17308
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.1 33.1
 229 21.0 15.5 23.3





#82

Chrysene

Concen: 2.40 ng/mL

RT: 21.21 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

Instrument :

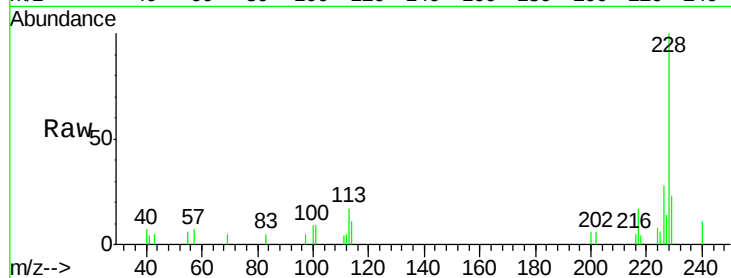
BNA_F

ClientSampleId :

FK-GF-01-011-A

Tot Ion: 228 Resp: 11797

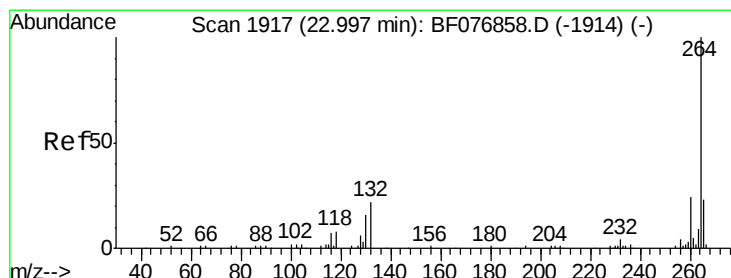
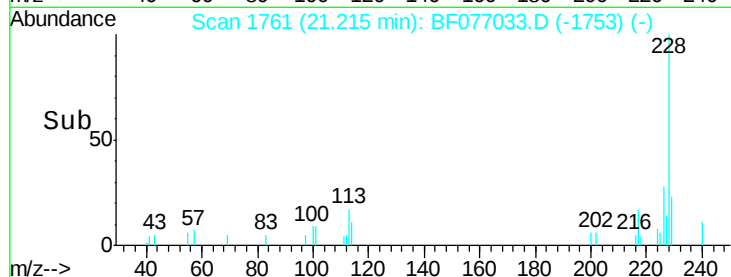
Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.0
229	23.4	15.4	23.0



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 22.85 min Scan# 1904

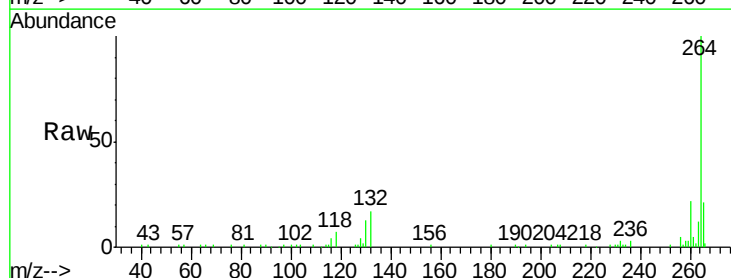
Delta R.T. 0.02 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

Tgt Ion: 264 Resp: 79336

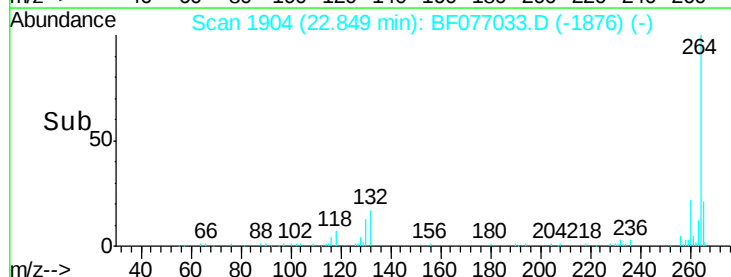
Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.0	28.4
265	20.6	18.1	27.1

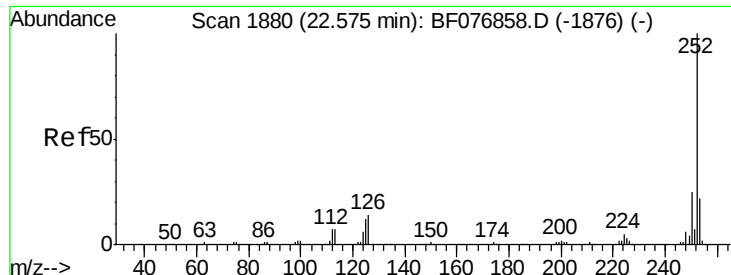


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.83 ng/mL

RT: 22.44 min Scan# 1868

Delta R.T. 0.01 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

Instrument :

BNA_F

ClientSampleId :

FK-GF-01-011-A

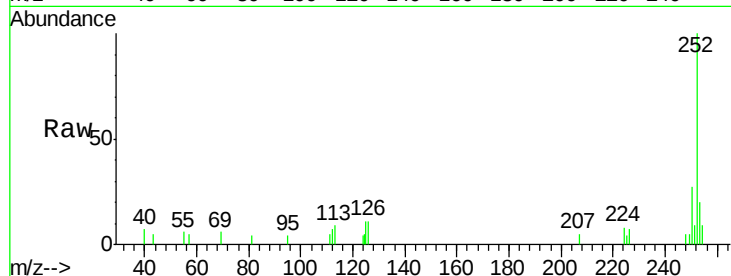
Tot Ion:252 Resp: 15137

Ion Ratio Lower Upper

252 100

253 20.1 17.5 26.3

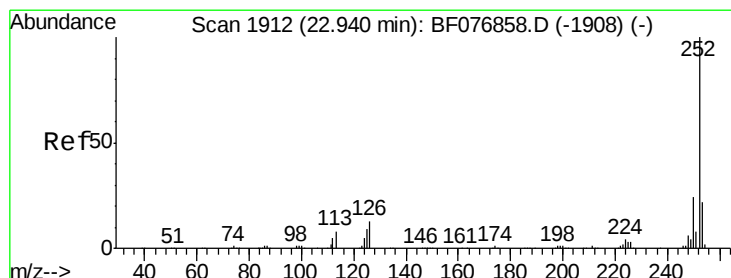
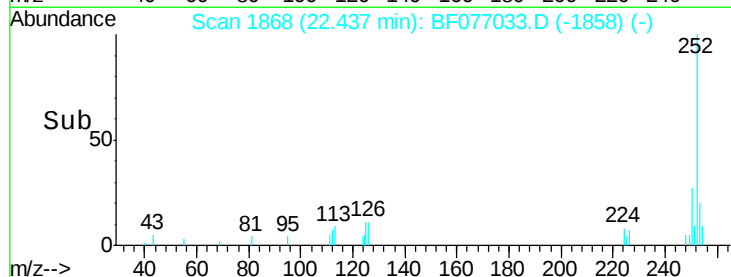
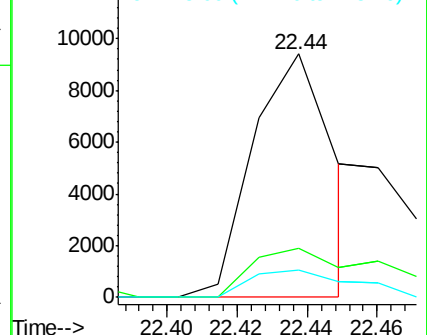
125 11.0 9.4 14.0



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: 2.21 ng/mL

RT: 22.79 min Scan# 1899

Delta R.T. 0.02 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

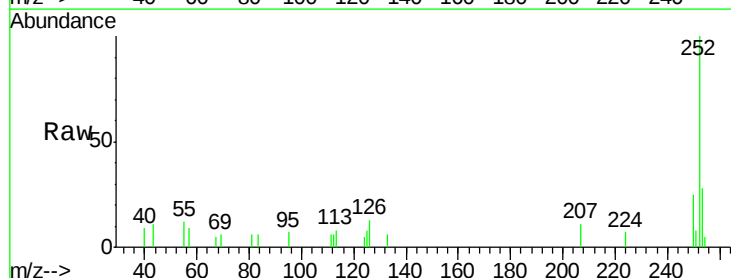
Tgt Ion:252 Resp: 10434

Ion Ratio Lower Upper

252 100

253 28.4 17.9 26.9#

125 7.7 7.2 10.8



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

