

Data Path : S:\HPCHEM1\BNA_F\DATA\BF012315\
 Data File : BF077042.D
 Acq On : 23 Jan 2015 17:46
 Operator : TP/IZ
 Sample : G7058-22
 Misc : QUANT AS REG SAMPLE
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G7058-22

Quant Time: Jan 26 10:36:23 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 22:30:04 2015
 Response via : Initial Calibration

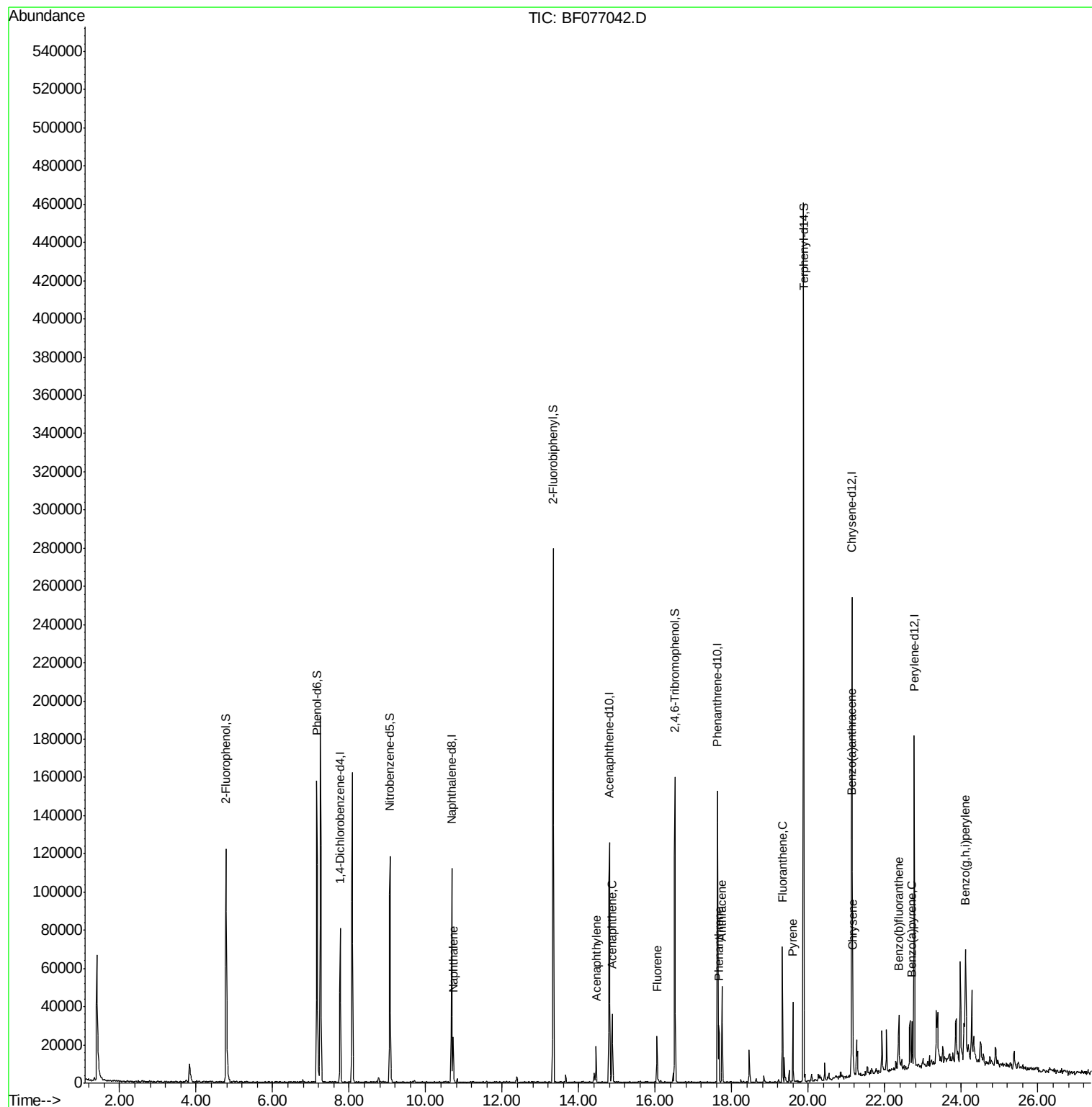
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	22303	20.00	ng	0.00
21) Naphthalene-d8	10.68	136	97162	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	52258	20.00	ng	0.00
63) Phenanthrene-d10	17.63	188	87954	20.00	ng	-0.01
75) Chrysene-d12	21.13	240	81029	20.00	ng	-0.01
86) Perylene-d12	22.77	264	77622	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.78	112	70022	51.62	ng	-0.01
7) Phenol-d6	7.16	99	95302	55.69	ng	-0.01
23) Nitrobenzene-d5	9.06	82	69299	39.51	ng	0.00
41) 2,4,6-Tribromophenol	16.52	330	25718	60.63	ng	0.00
44) 2-Fluorobiphenyl	13.33	172	149459	43.52	ng	-0.01
78) Terphenyl-d14	19.88	244	173137	49.19	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.72	128	21685	4.34	ng	97
48) Acenaphthylene	14.45	152	16958	3.15	ng	97
51) Acenaphthene	14.87	154	13700	4.49	ng	87
57) Fluorene	16.05	166	10065	2.67	ng	90
70) Phenanthrene	17.66	178	18409	3.36	ng	99
71) Anthracene	17.74	178	30194	5.65	ng	99
74) Fluoranthene	19.32	202	33442	5.95	ng	97
77) Pyrene	19.60	202	22294	4.01	ng	97
80) Benzo(a)anthracene	21.12	228	18846	3.71	ng	97
82) Chrysene	21.17	228	18679	4.03	ng	98
87) Benzo(b)fluoranthene	22.37	252	14380	2.75	ng	96
89) Benzo(a)pyrene	22.71	252	10903	2.36	ng	95
91) Benzo(g,h,i)perylene	24.11	276	23629	5.62	ng	96

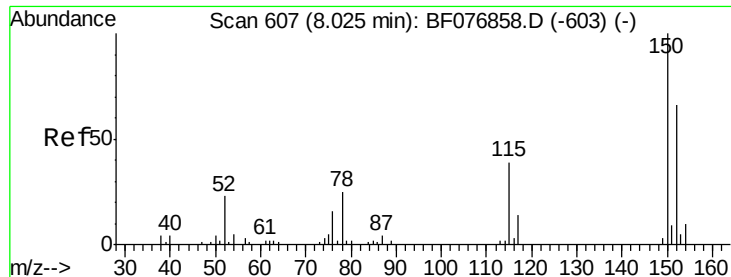
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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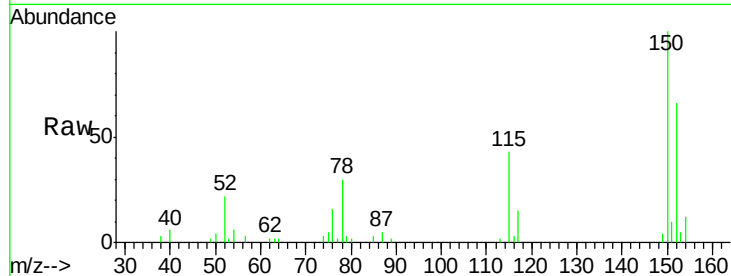


#1

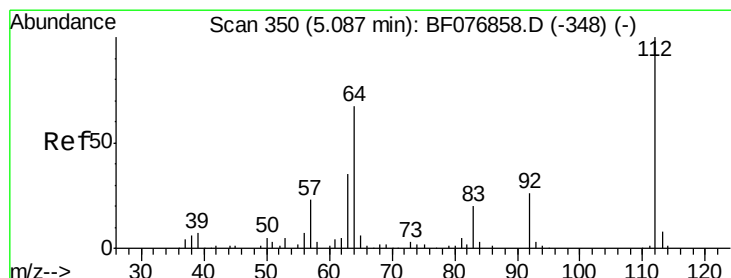
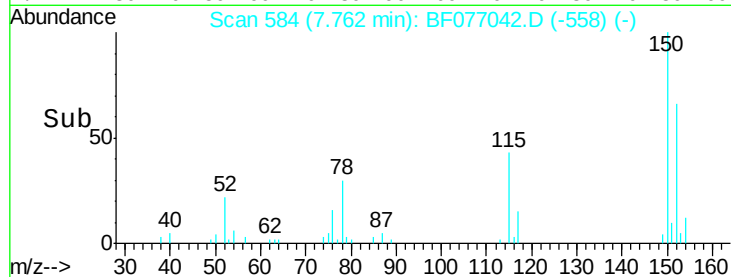
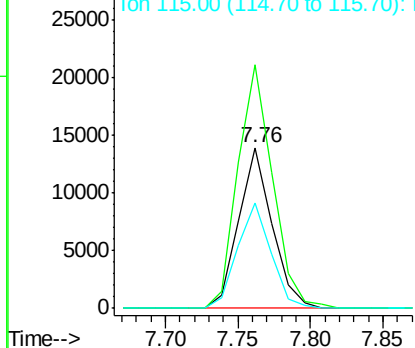
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 584
Delta R.T. 0.00 min
Lab File: BF077042.D
Acq: 23 Jan 2015 17:46

Instrument :
BNA_F
ClientSampled :
G7058-22

Tgt Ion:152 Resp: 22303
Ion Ratio Lower Upper
152 100
150 151.5 121.7 182.5
115 65.8 47.0 70.6



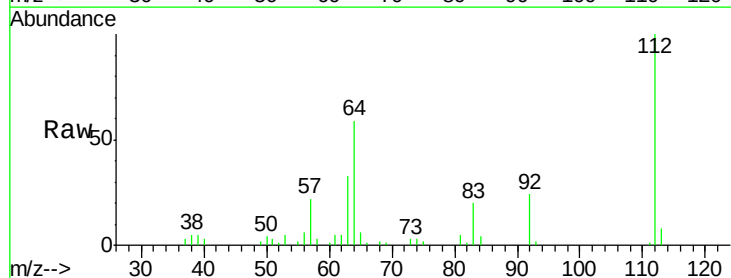
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



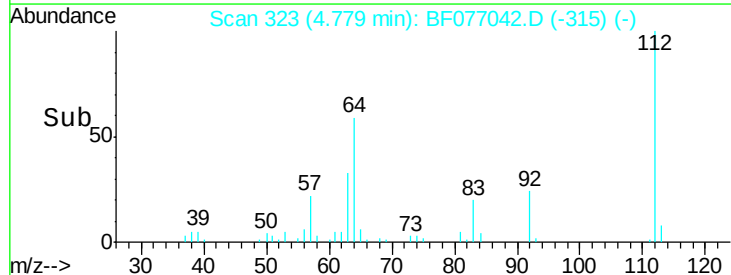
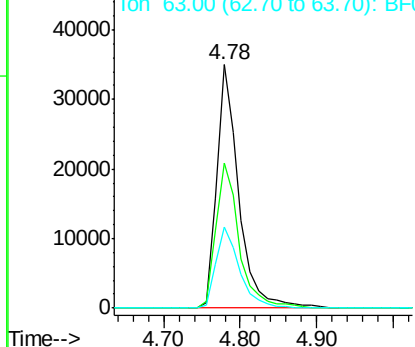
#5

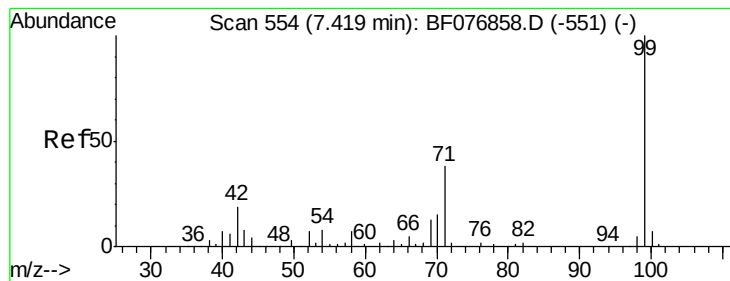
2-Fluorophenol
Concen: 51.62 ng
RT: 4.78 min Scan# 323
Delta R.T. -0.01 min
Lab File: BF077042.D
Acq: 23 Jan 2015 17:46

Tgt Ion:112 Resp: 70022
Ion Ratio Lower Upper
112 100
64 59.5 54.2 81.4
63 33.5 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: 55.69 ng

RT: 7.16 min Scan# 531

Delta R.T. -0.01 min

Lab File: BF077042.D

Acq: 23 Jan 2015 17:46

Instrument :

BNA_F

ClientSampleId :

G7058-22

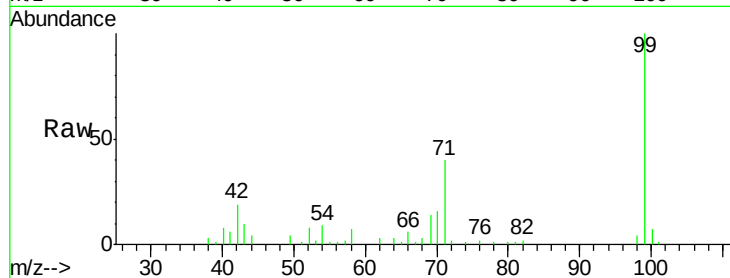
Tgt Ion: 99 Resp: 95302

Ion Ratio Lower Upper

99 100

42 18.7 15.0 22.4

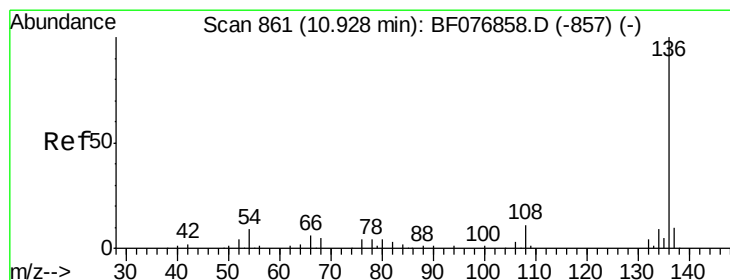
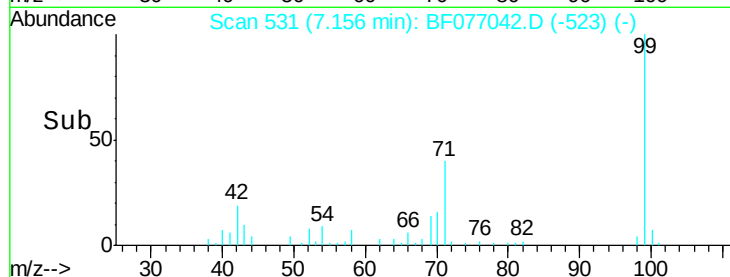
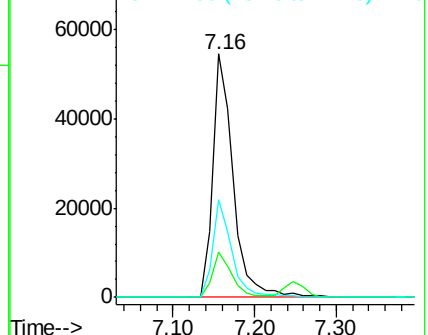
71 40.2 30.5 45.7



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: 10.68 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF077042.D

Acq: 23 Jan 2015 17:46

Tgt Ion: 136 Resp: 97162

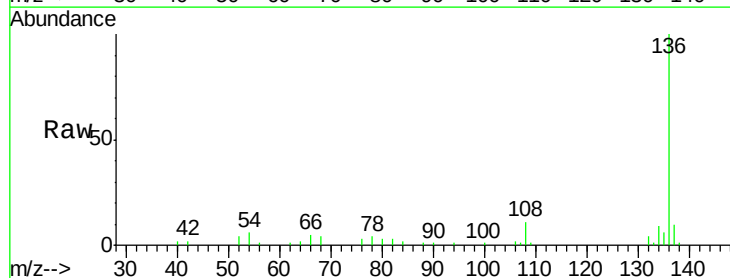
Ion Ratio Lower Upper

136 100

137 10.2 8.1 12.1

54 6.4 7.0 10.4

68 3.8 3.7 5.5

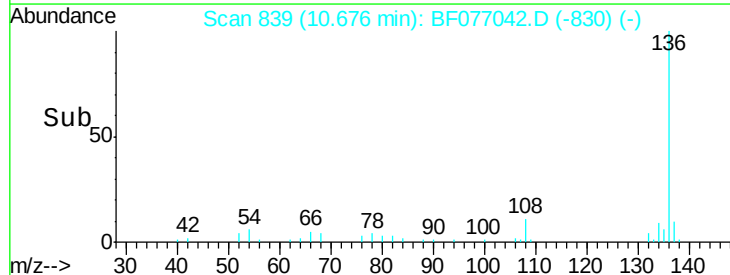
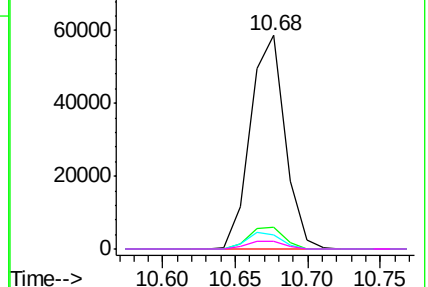


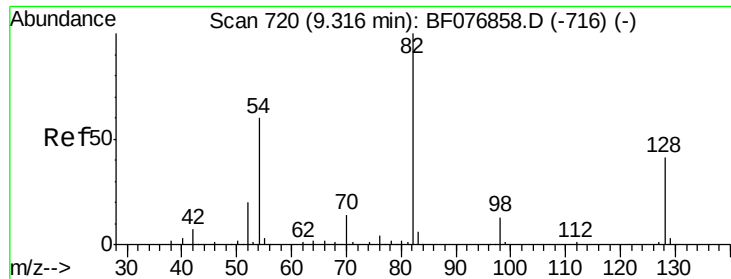
Abundance Ion 136.00 (135.70 to 136.70): E

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

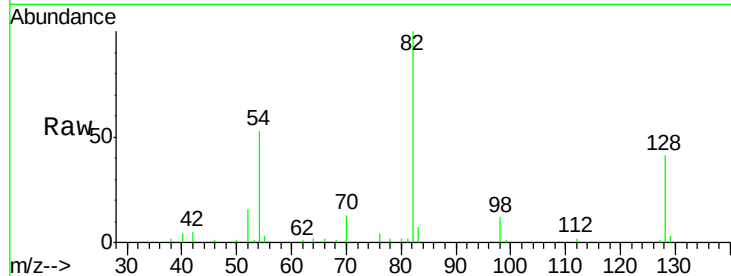




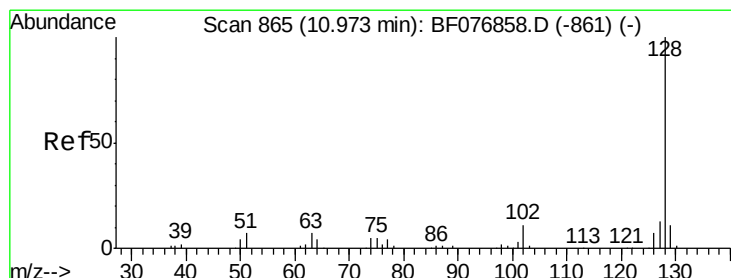
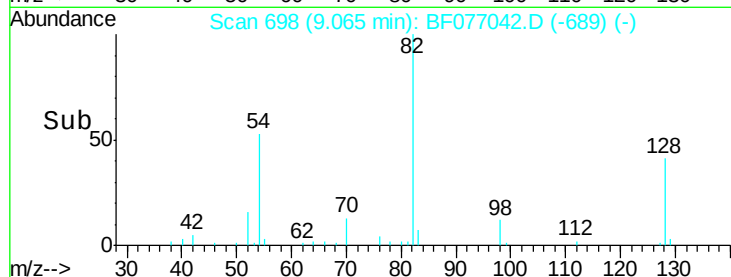
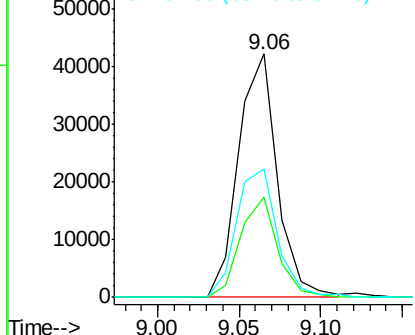
#23
 Nitrobenzene-d5
 Concen: 39.51 ng
 RT: 9.06 min Scan# 698
 Delta R.T. 0.00 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

Instrument :
 BNA_F
 ClientSampleId :
 G7058-22

Tgt Ion: 82 Resp: 69299
 Ion Ratio Lower Upper
 82 100
 128 41.0 33.1 49.7
 54 53.0 48.3 72.5

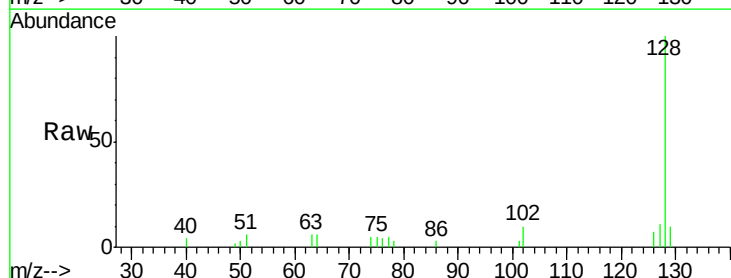


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

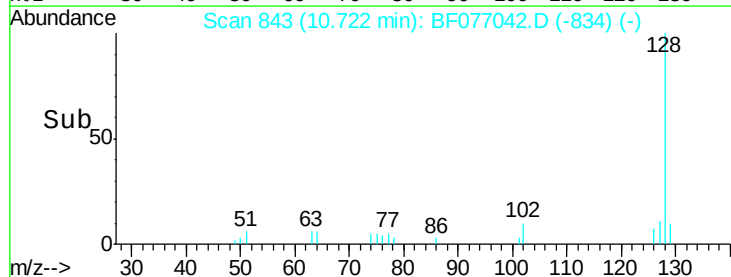
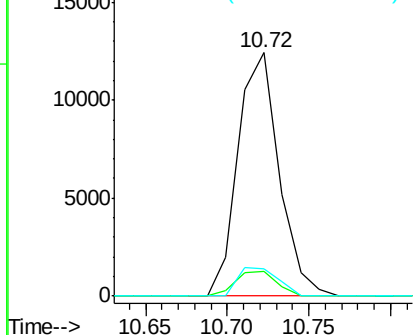


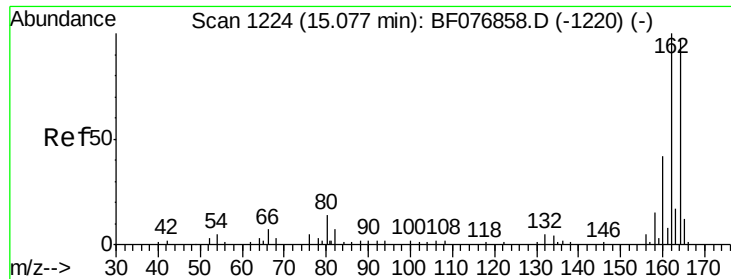
#31
 Naphthalene
 Concen: 4.34 ng
 RT: 10.72 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

Tgt Ion: 128 Resp: 21685
 Ion Ratio Lower Upper
 128 100
 129 10.2 9.0 13.6
 127 11.4 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

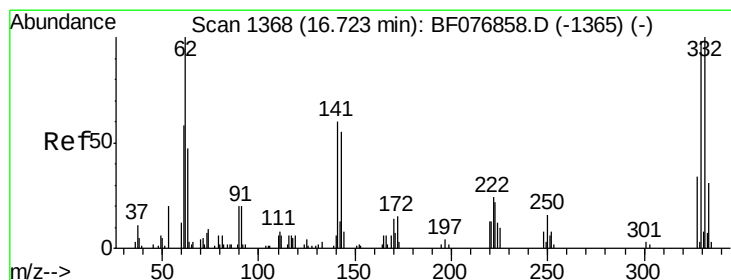
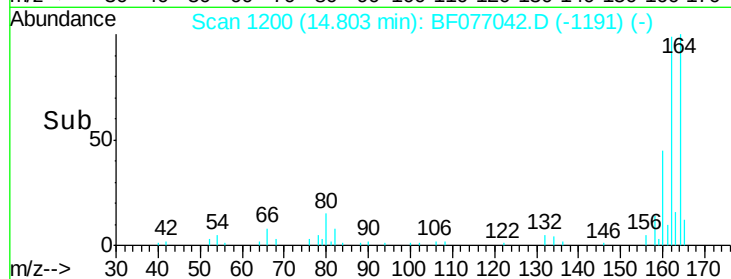
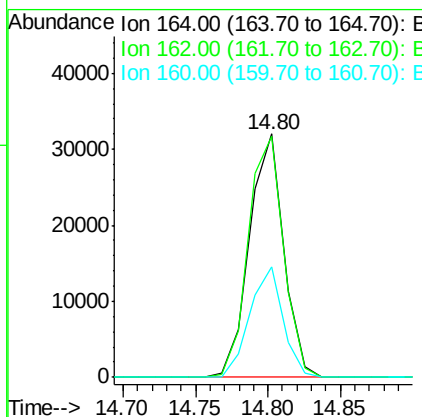
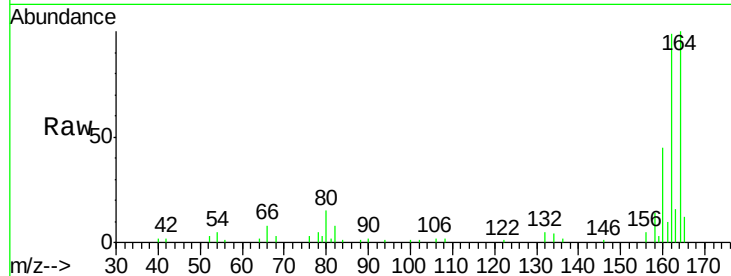




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

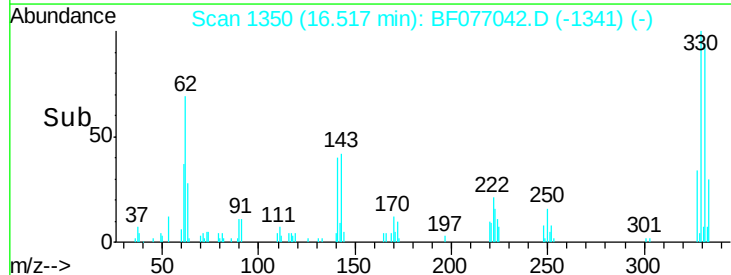
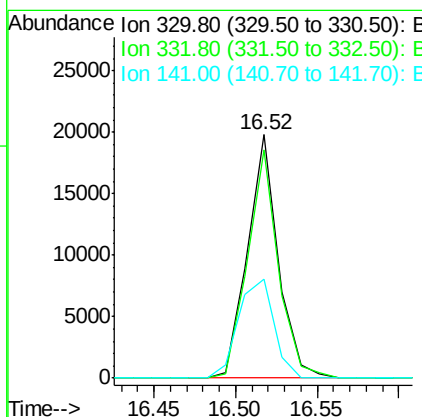
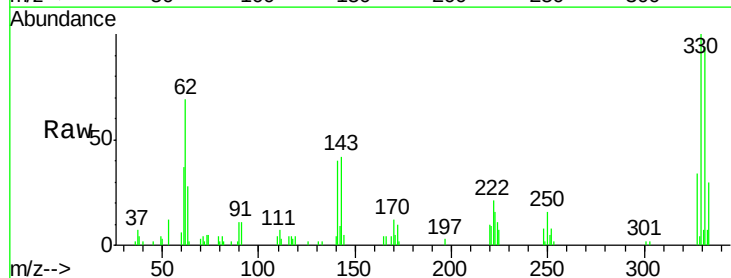
Instrument :
 BNA_F
 ClientSampleId :
 G7058-22

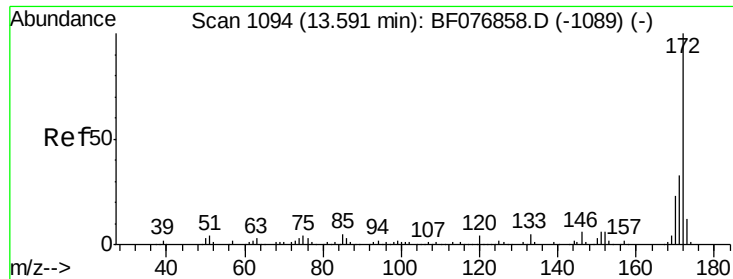
Tgt Ion:164 Resp: 52258
 Ion Ratio Lower Upper
 164 100
 162 98.9 82.4 123.6
 160 45.3 34.8 52.2



#41
 2,4,6-Tribromophenol
 Concen: 60.63 ng
 RT: 16.52 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

Tgt Ion:330 Resp: 25718
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.8 116.6
 141 46.7 38.5 57.7

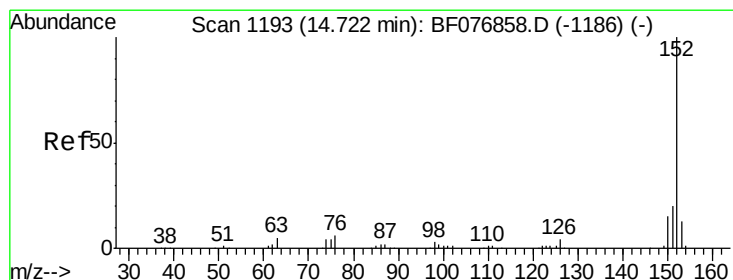
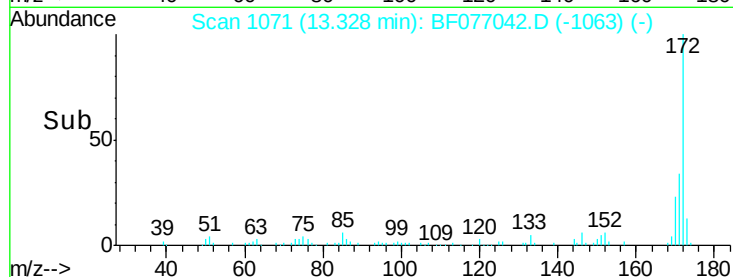
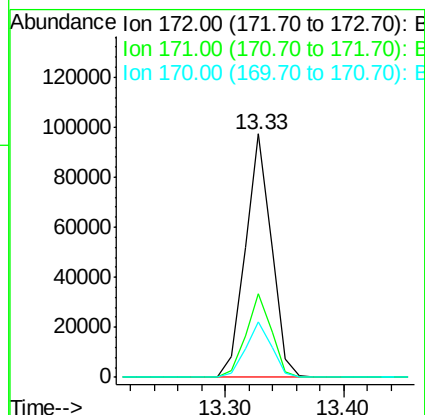
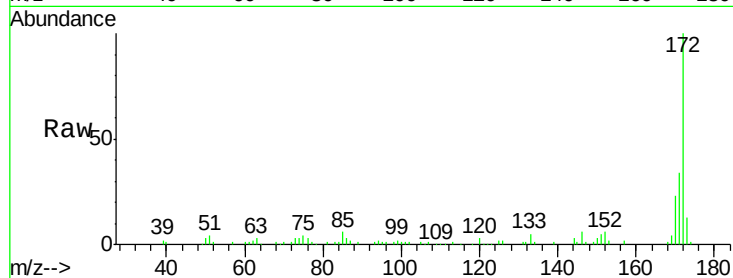




#44
2-Fluorobiphenyl
Concen: 43.52 ng
RT: 13.33 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF077042.D
Acq: 23 Jan 2015 17:46

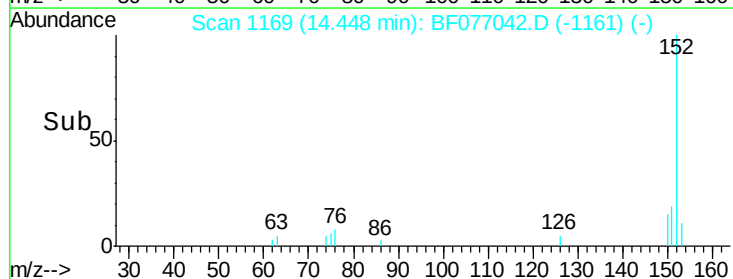
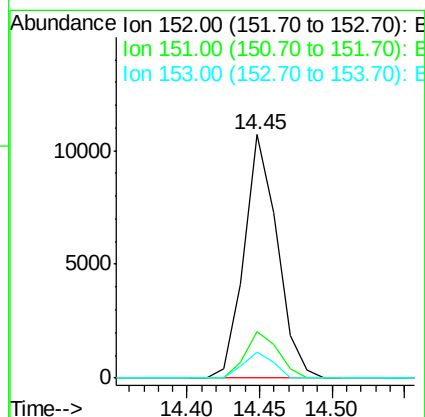
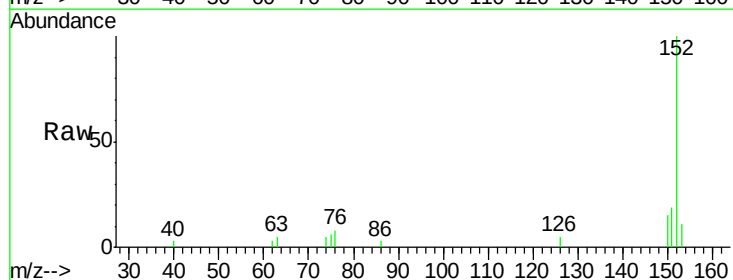
Instrument :
BNA_F
ClientSampleId :
G7058-22

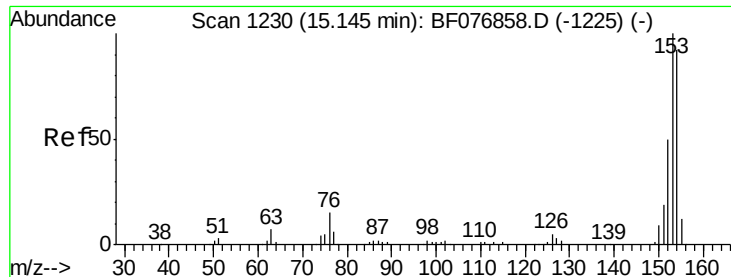
Tgt Ion:172 Resp: 149459
Ion Ratio Lower Upper
172 100
171 34.3 26.6 40.0
170 22.7 18.0 27.0



#48
Acenaphthylene
Concen: 3.15 ng
RT: 14.45 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF077042.D
Acq: 23 Jan 2015 17:46

Tgt Ion:152 Resp: 16958
Ion Ratio Lower Upper
152 100
151 18.9 15.9 23.9
153 10.9 10.2 15.4





#51

Acenaphthene

Concen: 4.49 ng

RT: 14.87 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF077042.D

Acq: 23 Jan 2015 17:46

Instrument :

BNA_F

ClientSampleId :

G7058-22

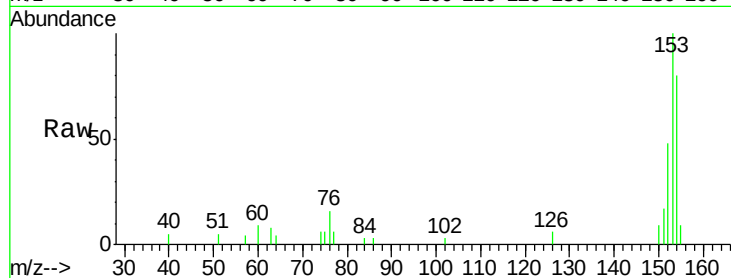
Tgt Ion:154 Resp: 13700

Ion Ratio Lower Upper

154 100

153 125.6 87.0 130.6

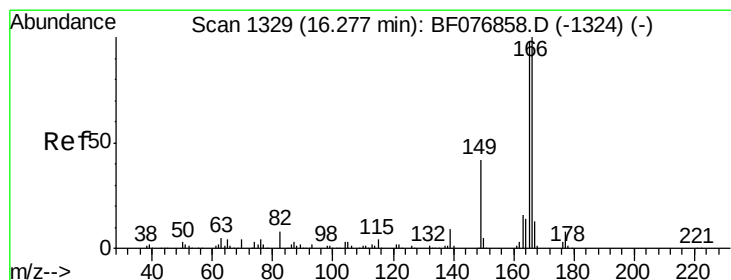
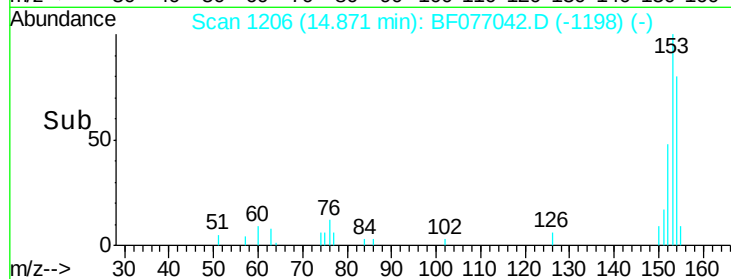
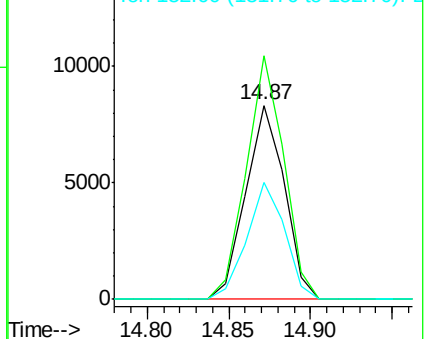
152 60.2 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.67 ng

RT: 16.05 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF077042.D

Acq: 23 Jan 2015 17:46

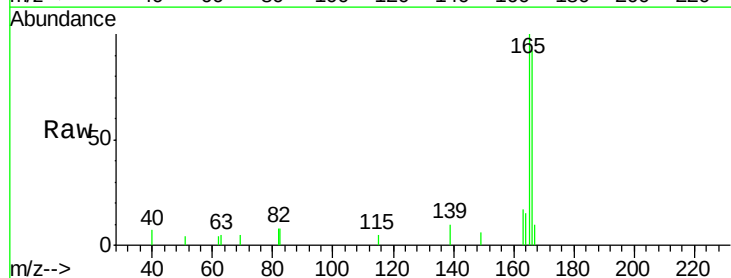
Tgt Ion:166 Resp: 10065

Ion Ratio Lower Upper

166 100

165 108.1 78.5 117.7

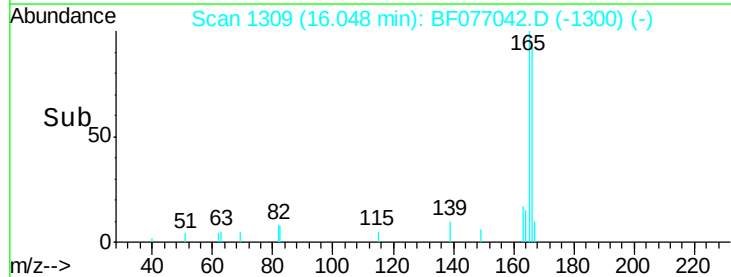
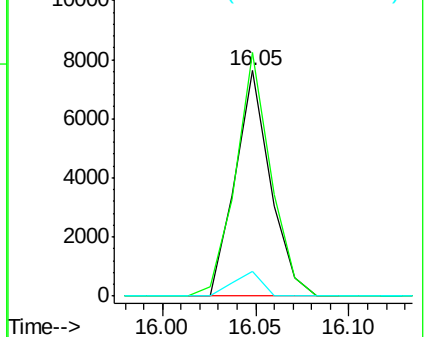
167 11.1 10.4 15.6

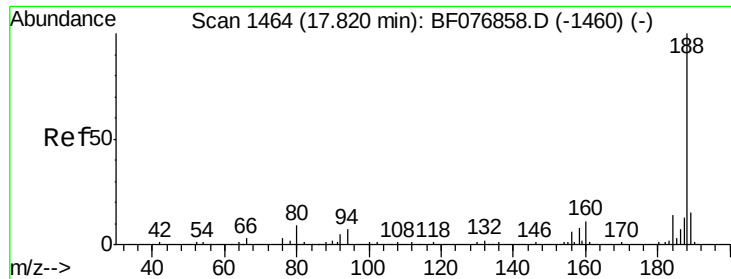


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

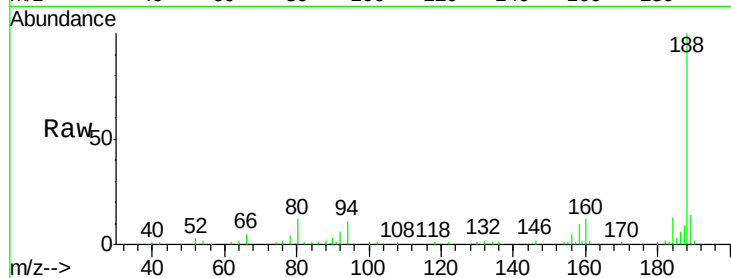




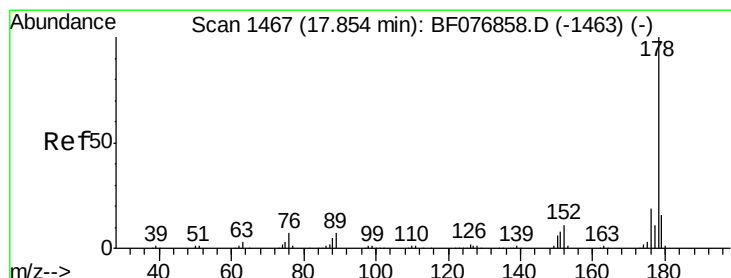
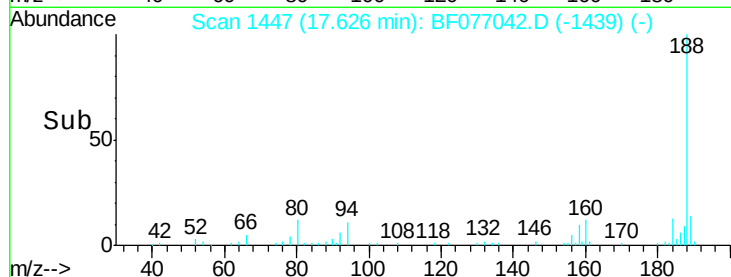
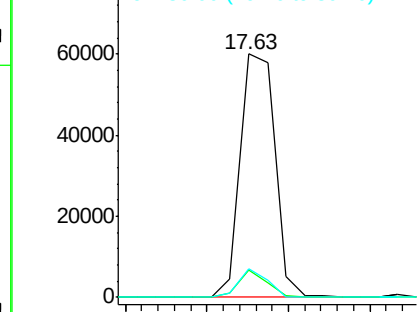
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.63 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF077042.D
Acq: 23 Jan 2015 17:46

Instrument :
BNA_F
ClientSampleId :
G7058-22

Tgt Ion:188 Resp: 87954
Ion Ratio Lower Upper
188 100
94 11.4 6.0 9.0#
80 11.9 6.9 10.3#

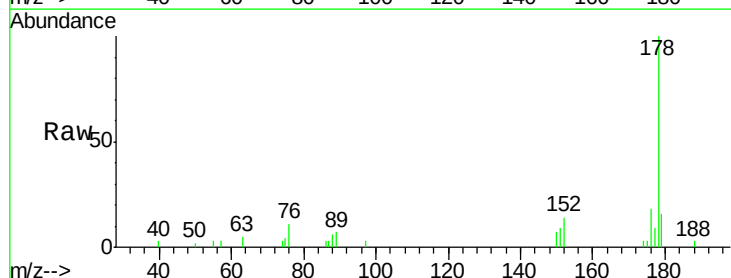


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

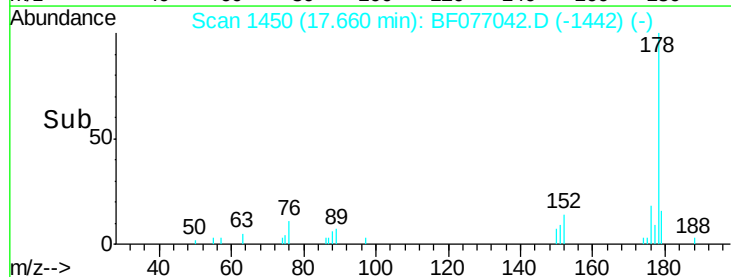
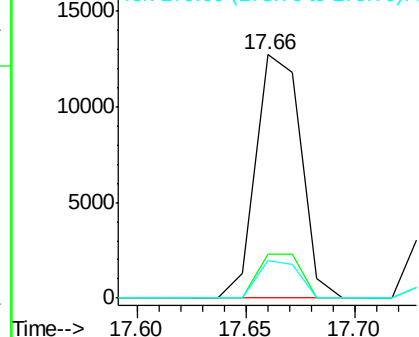


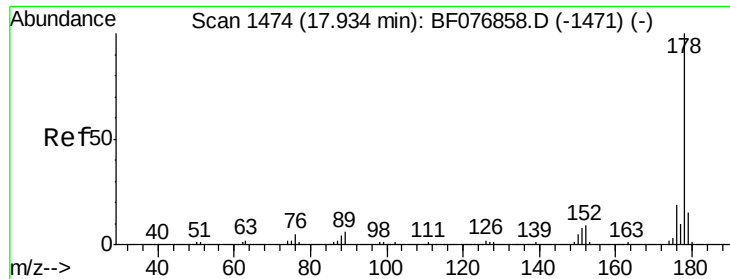
#70
Phenanthrene
Concen: 3.36 ng
RT: 17.66 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF077042.D
Acq: 23 Jan 2015 17:46

Tgt Ion:178 Resp: 18409
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 15.6 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

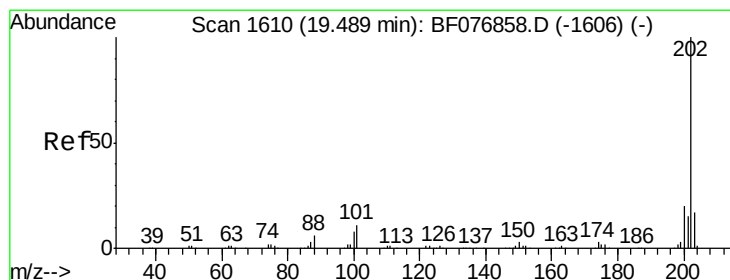
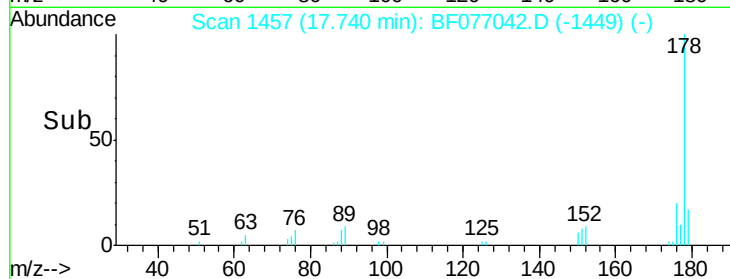
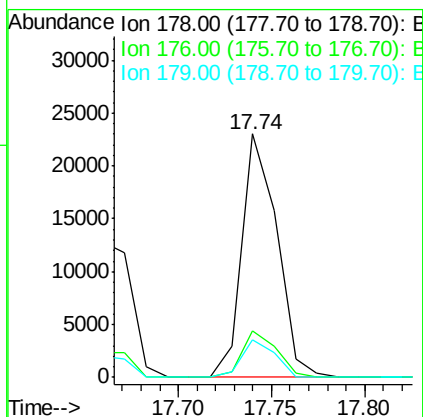
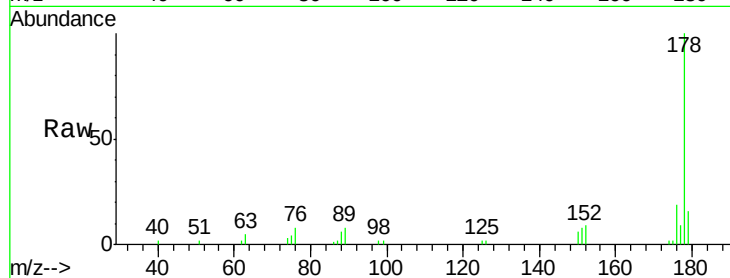




#71
 Anthracene
 Concen: 5.65 ng
 RT: 17.74 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

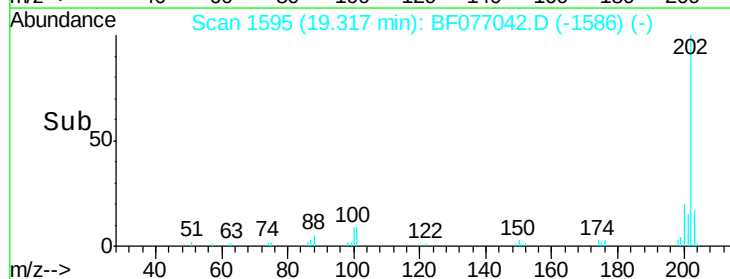
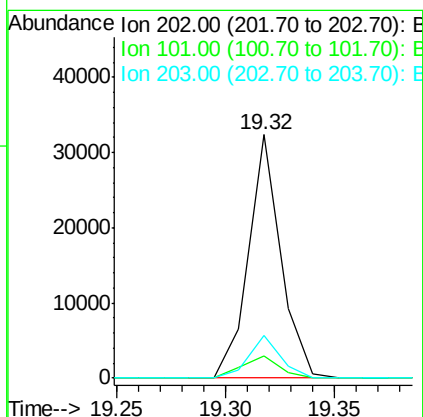
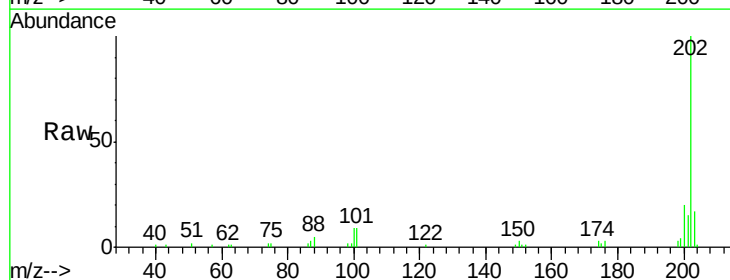
Instrument :
 BNA_F
 ClientSampleId :
 G7058-22

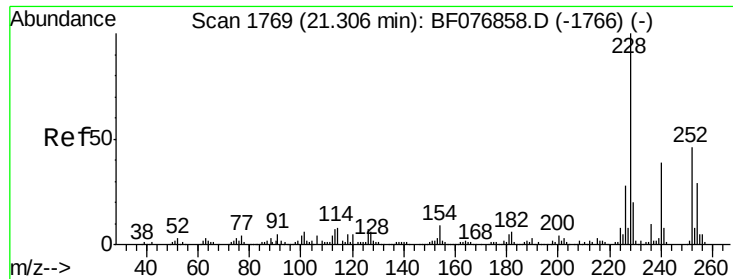
Tgt Ion:178 Resp: 30194
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 15.6 11.9 17.9



#74
 Fluoranthene
 Concen: 5.95 ng
 RT: 19.32 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

Tgt Ion:202 Resp: 33442
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 30.7
 203 17.4 0.0 36.9

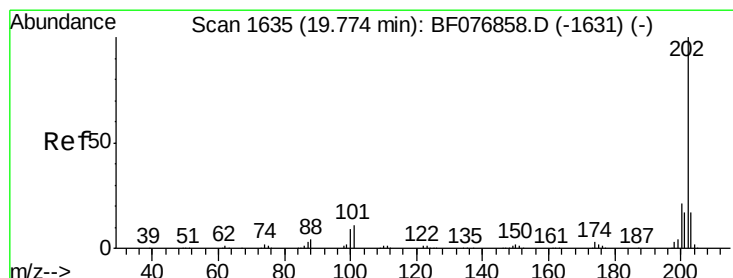
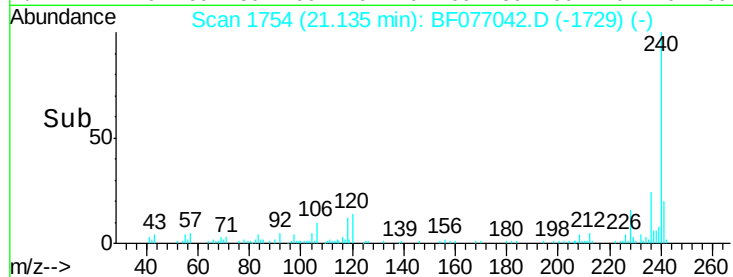
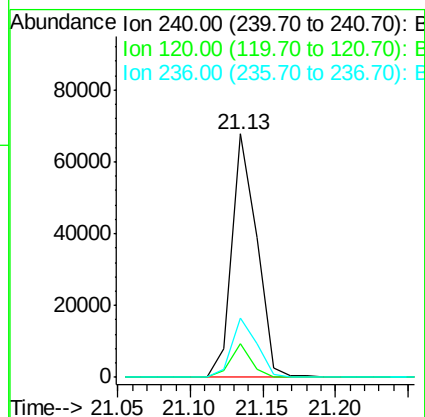
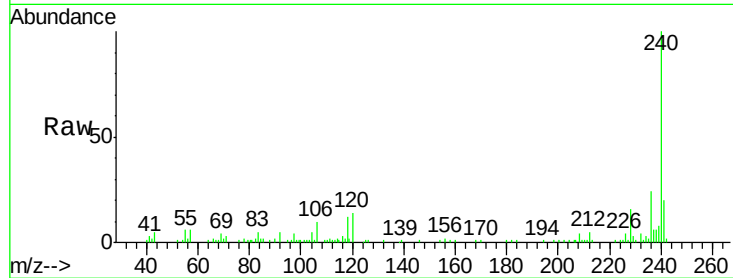




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.13 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

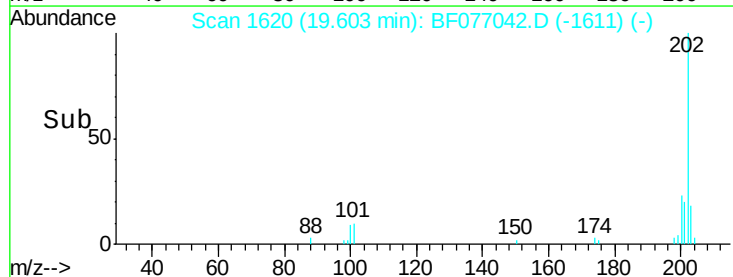
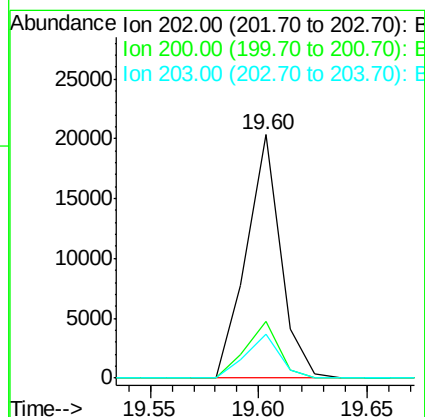
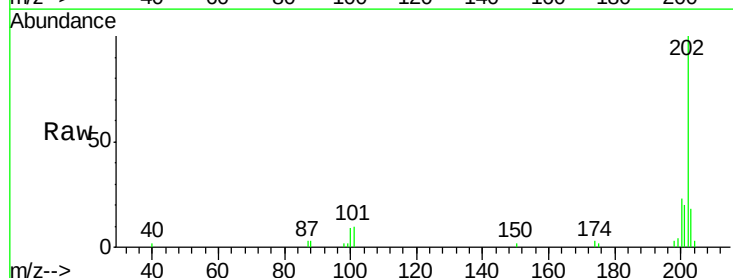
Instrument :
 BNA_F
 ClientSampleId :
 G7058-22

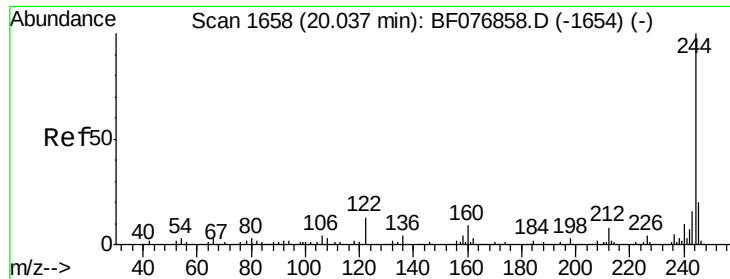
Tgt Ion:240 Resp: 81029
 Ion Ratio Lower Upper
 240 100
 120 13.9 10.4 15.6
 236 24.3 20.2 30.2



#77
 Pyrene
 Concen: 4.01 ng
 RT: 19.60 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

Tgt Ion:202 Resp: 22294
 Ion Ratio Lower Upper
 202 100
 200 23.2 16.7 25.1
 203 17.8 14.0 21.0

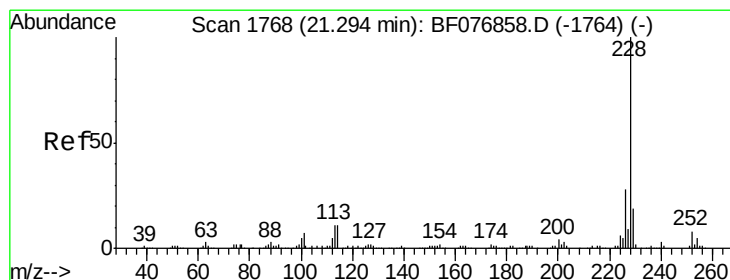
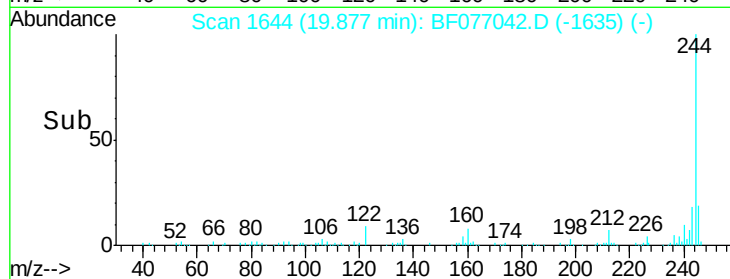
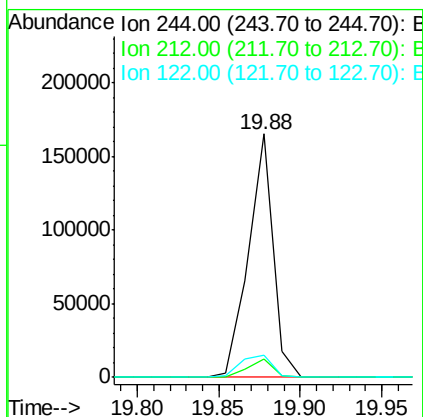
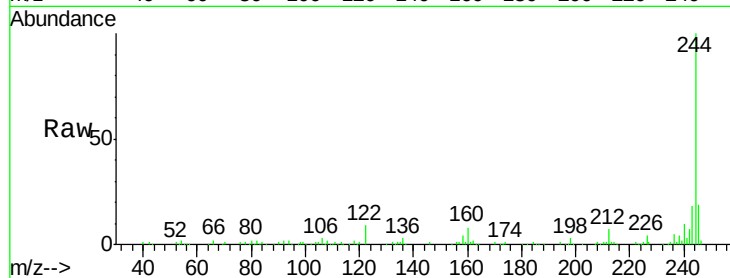




#78
 Terphenyl-d14
 Concen: 49.19 ng
 RT: 19.88 min Scan# 1644
 Delta R.T. 0.00 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

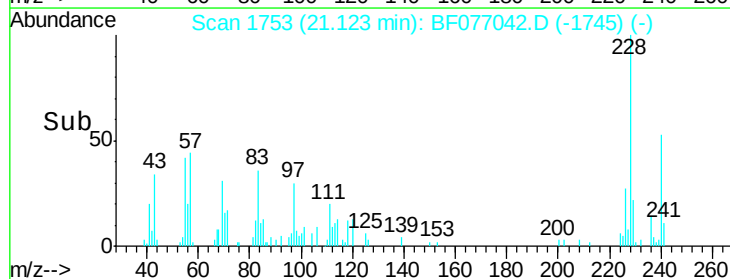
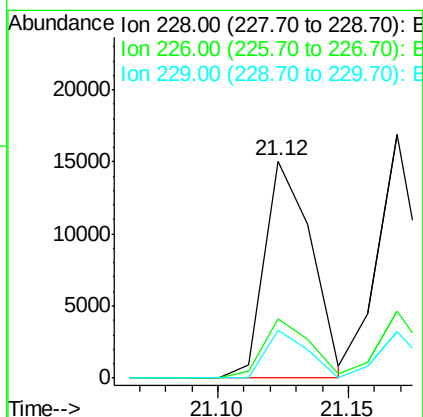
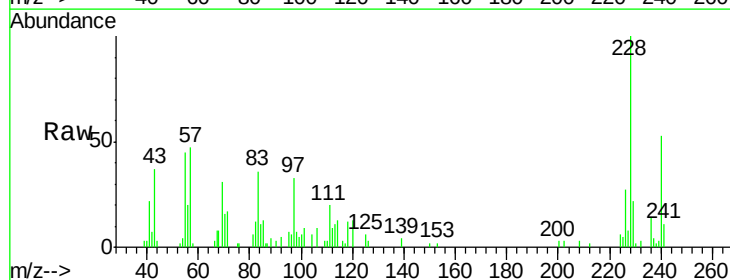
Instrument :
 BNA_F
 ClientSampleId :
 G7058-22

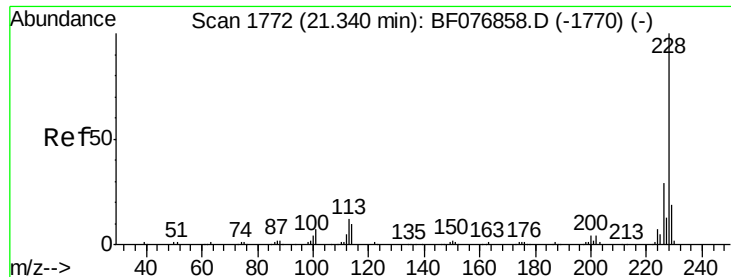
Tgt Ion:244 Resp: 173137
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.3 9.5
 122 9.3 10.1 15.1#



#80
 Benzo(a)anthracene
 Concen: 3.71 ng
 RT: 21.12 min Scan# 1753
 Delta R.T. -0.01 min
 Lab File: BF077042.D
 Acq: 23 Jan 2015 17:46

Tgt Ion:228 Resp: 18846
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.1 33.1
 229 21.8 15.5 23.3





#82

Chrysene

Concen: 4.03 ng

RT: 21.17 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF077042.D

Acq: 23 Jan 2015 17:46

Instrument :

BNA_F

ClientSampleId :

G7058-22

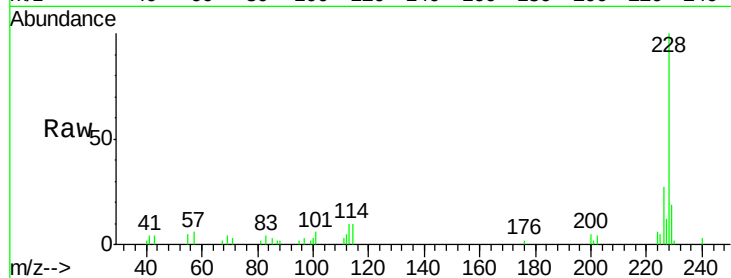
Tgt Ion:228 Resp: 18679

Ion Ratio Lower Upper

228 100

226 27.3 23.4 35.0

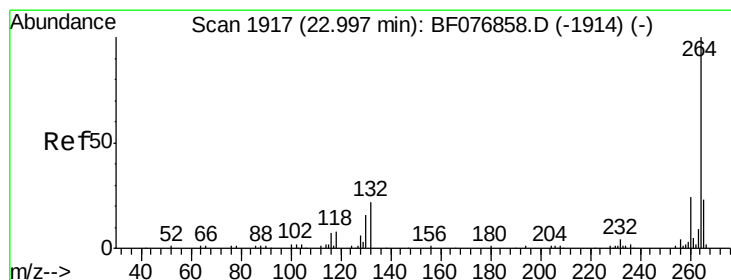
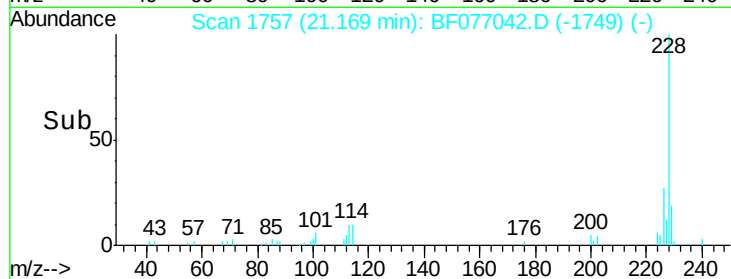
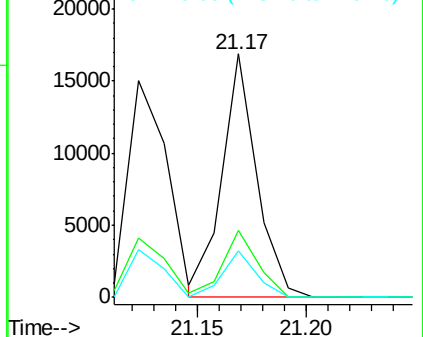
229 19.0 15.4 23.0



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: 22.77 min Scan# 1897

Delta R.T. -0.02 min

Lab File: BF077042.D

Acq: 23 Jan 2015 17:46

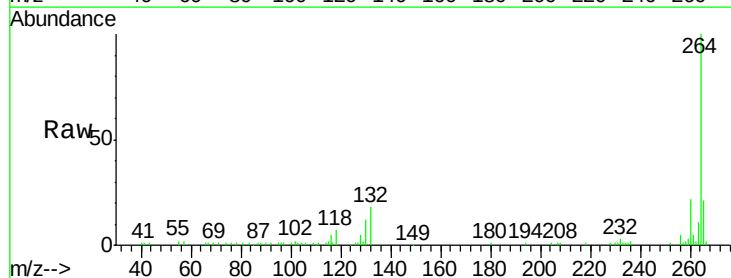
Tgt Ion:264 Resp: 77622

Ion Ratio Lower Upper

264 100

260 22.0 19.0 28.4

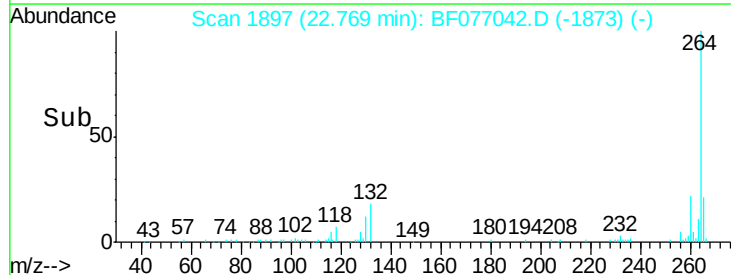
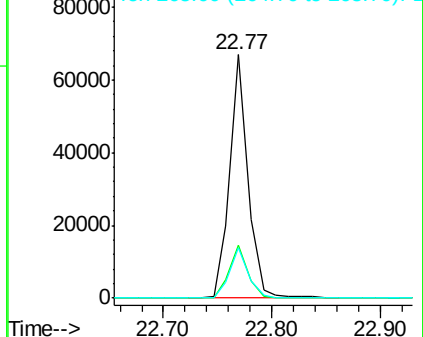
265 20.5 18.1 27.1

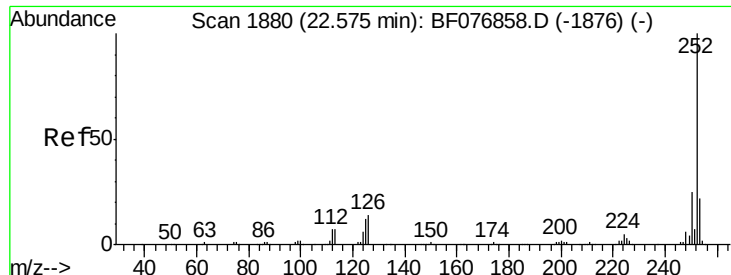


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

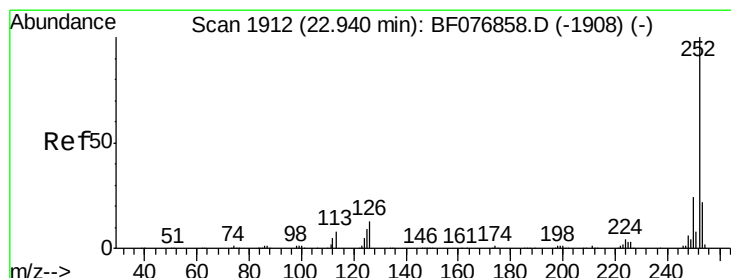
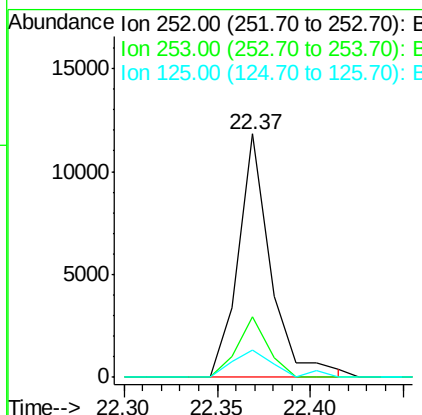
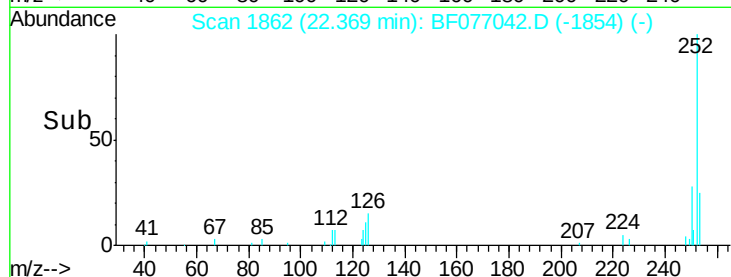
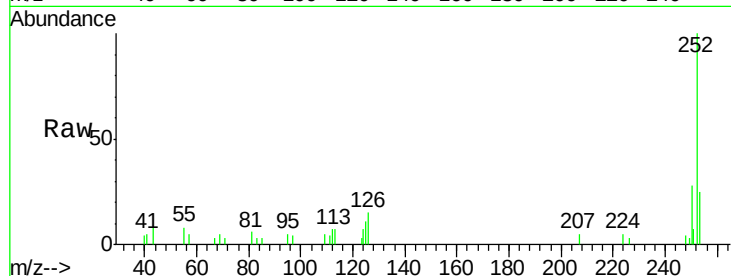




#87
Benzo(b)fluoranthene
Concen: 2.75 ng
RT: 22.37 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BF077042.D
Acq: 23 Jan 2015 17:46

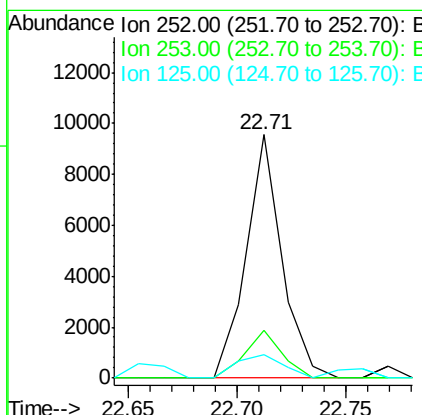
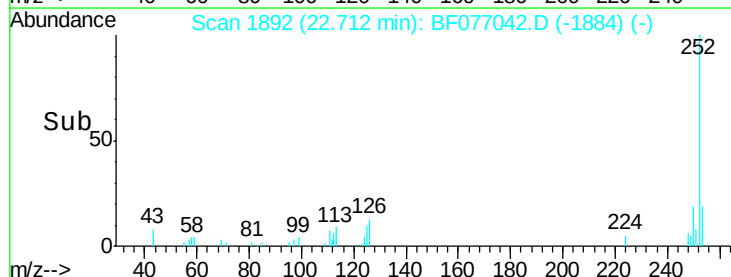
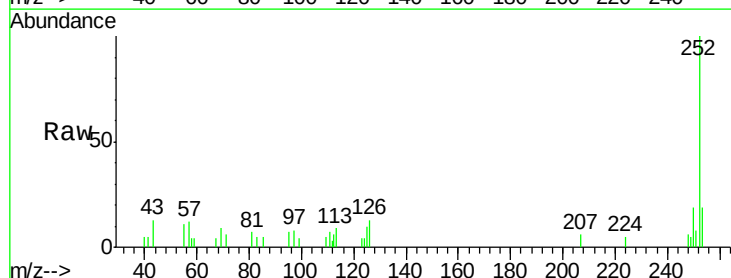
Instrument :
BNA_F
ClientSampleId :
G7058-22

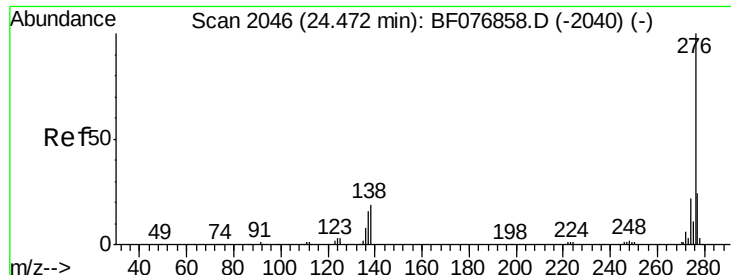
Tgt Ion: 252 Resp: 14380
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 11.2 9.4 14.0



#89
Benzo(a)pyrene
Concen: 2.36 ng
RT: 22.71 min Scan# 1892
Delta R.T. -0.01 min
Lab File: BF077042.D
Acq: 23 Jan 2015 17:46

Tgt Ion: 252 Resp: 10903
Ion Ratio Lower Upper
252 100
253 19.4 17.9 26.9
125 9.6 7.2 10.8





#91

Benzo(g,h,i)perylene

Concen: 5.62 ng

RT: 24.11 min Scan# 2014

Delta R.T. -0.05 min

Lab File: BF077042.D

Acq: 23 Jan 2015 17:46

Instrument :

BNA_F

ClientSampleId :

G7058-22

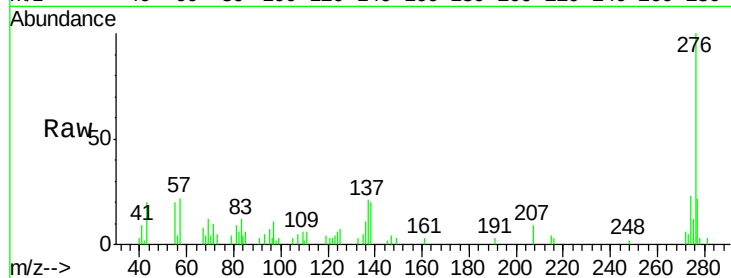
Tgt Ion: 276 Resp: 23629

Ion Ratio Lower Upper

276 100

277 22.0 19.5 29.3

138 20.4 15.0 22.6



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

