

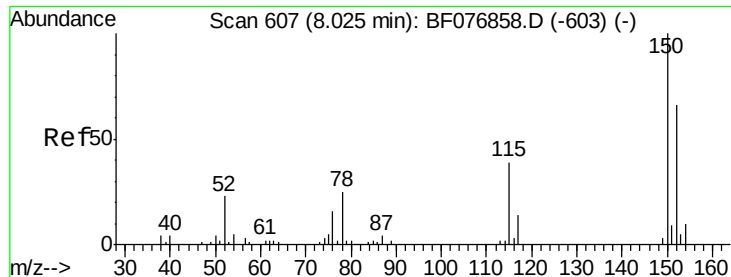
Data Path : Z:\HPCHEM1\BNA F\Data\BF012215\
 Data File : BF077033.D
 Acq On : 23 Jan 2015 5:42
 Operator : TP/IZ
 Sample : G1149-01
 Misc : S
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 23 06:34:03 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						
2) 1,4-Dioxane	1.43	88	1292	2.10	ng	# 12
10) Phenol	7.28	94	4351	2.26	ng	# 73
49) Dimethylphthalate	14.48	163	21127	5.73	ng	97
62) Azobenzene	16.53	77	19318	4.98	ng	# 1
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	21.18	228	17308	3.52	ng	98
87) Benzo(b)fluoranthene	22.44	252	20898	3.91	ng	97
88) Benzo(k)fluoranthene	22.44	252	20898	4.48	ng	# 96
89) Benzo(a)pyrene	22.79	252	10434	2.21	ng	# 90

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

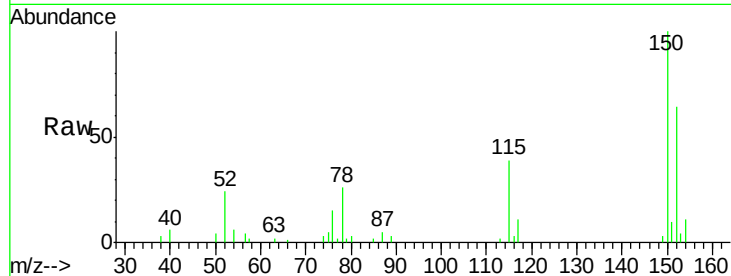


#1

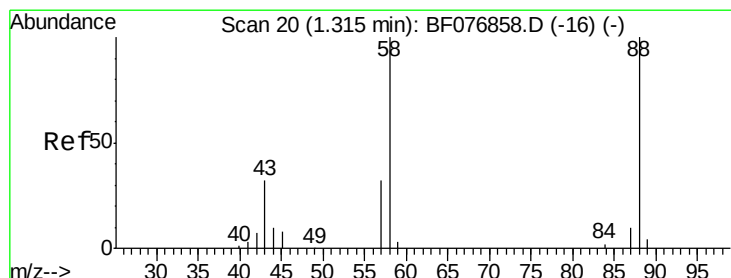
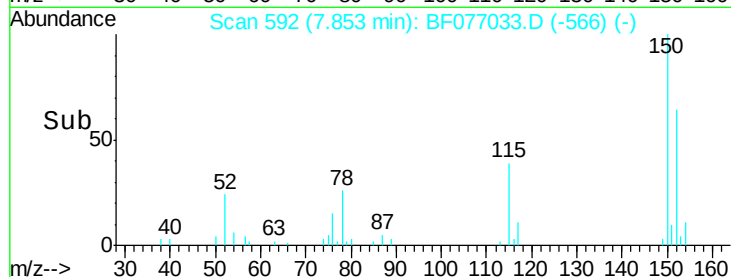
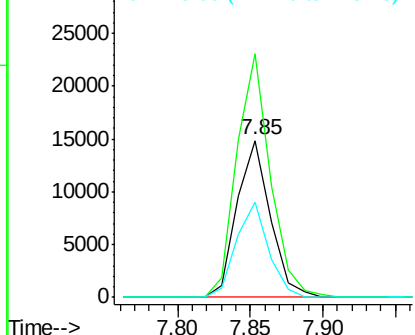
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 592
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Instrument :
BNA_F
ClientSampleId :

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



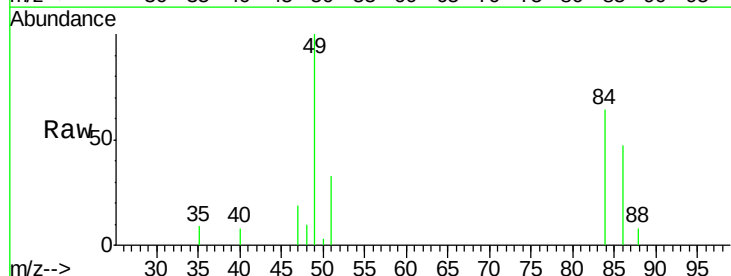
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



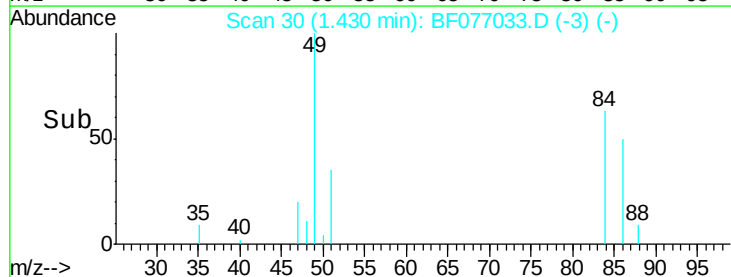
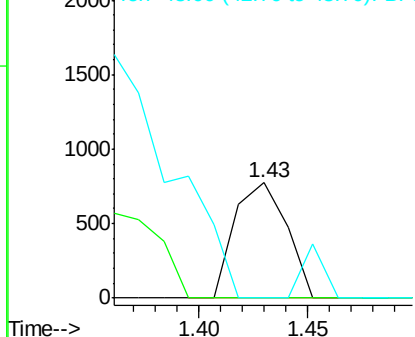
#2

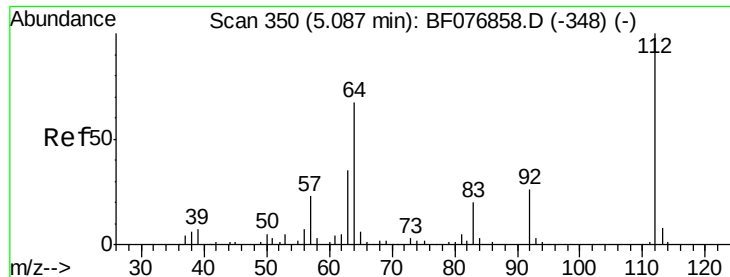
1,4-Dioxane
Concen: 2.10 ng
RT: 1.43 min Scan# 30
Delta R.T. 0.21 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Tgt Ion: 88 Resp: 1292
Ion Ratio Lower Upper
88 100
58 0.0 77.0 115.4#
43 0.0 25.6 38.4#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 87.46 ng

RT: 4.89 min Scan# 333

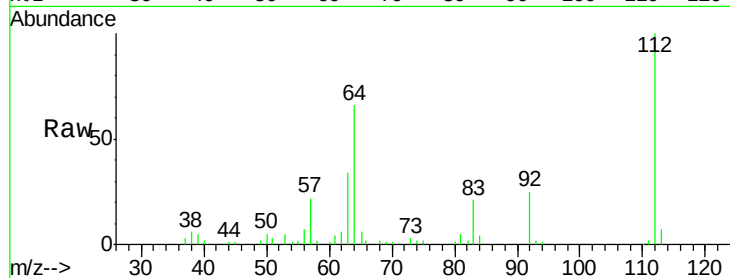
Delta R.T. -0.00 min

Lab File: BF077033.D

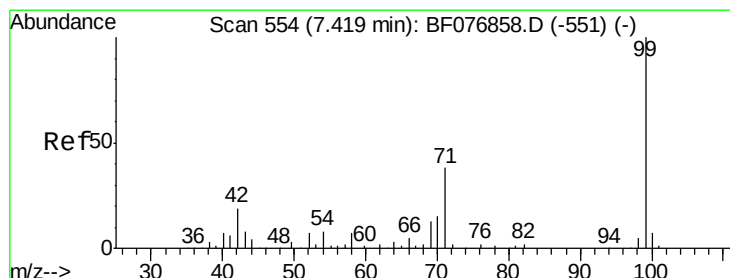
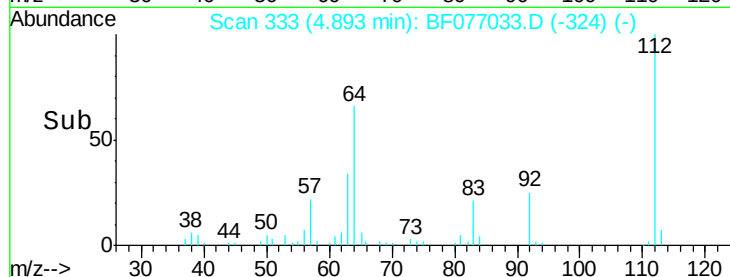
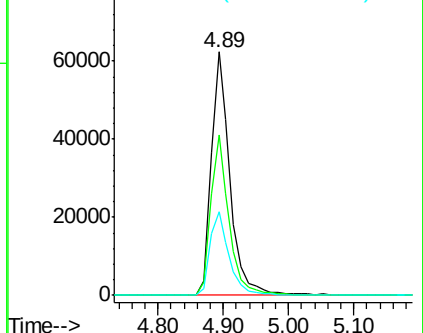
Acq: 23 Jan 2015 5:42

Instrument :
BNA_F
ClientSampled :

Tot 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



#7

Phenol-d6

Concen: 91.01 ng

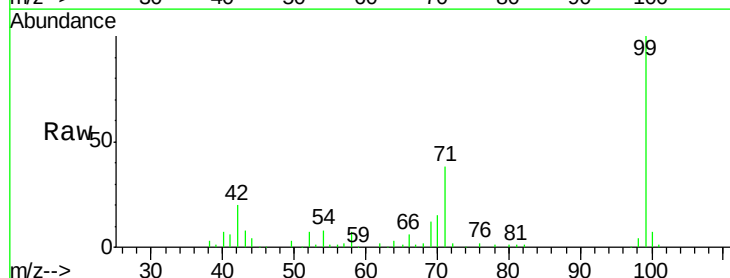
RT: 7.25 min Scan# 539

Delta R.T. -0.01 min

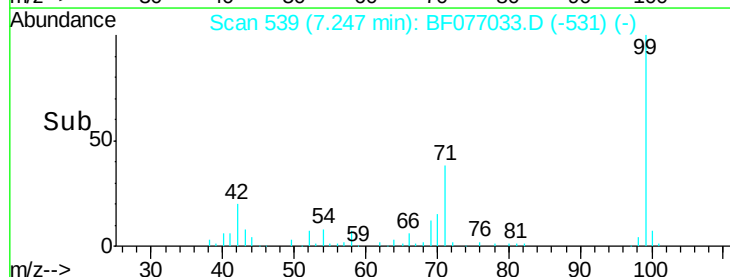
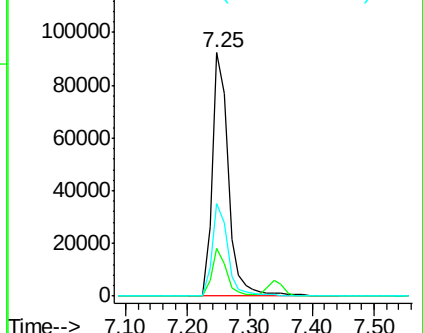
Lab File: BF077033.D

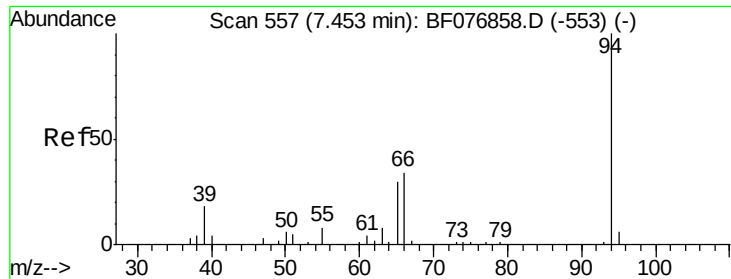
Acq: 23 Jan 2015 5:42

Tgt 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

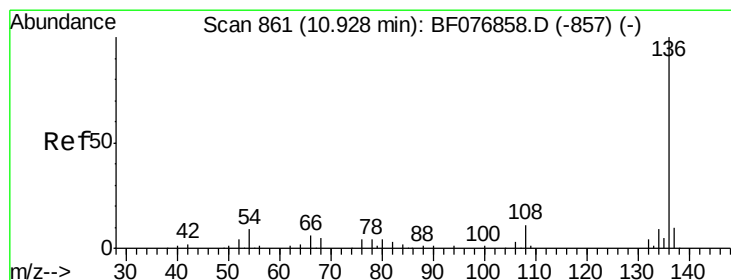
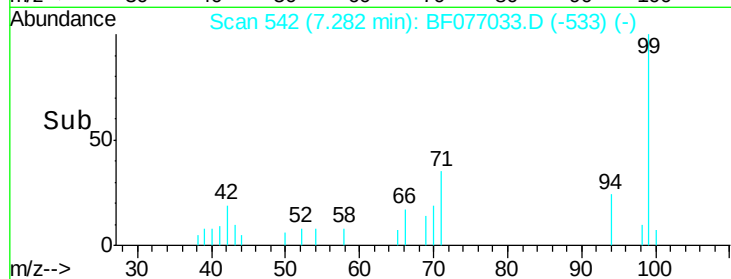
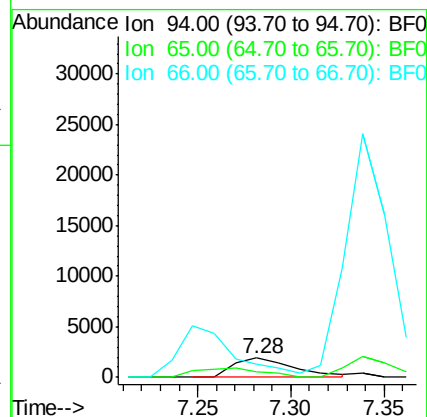
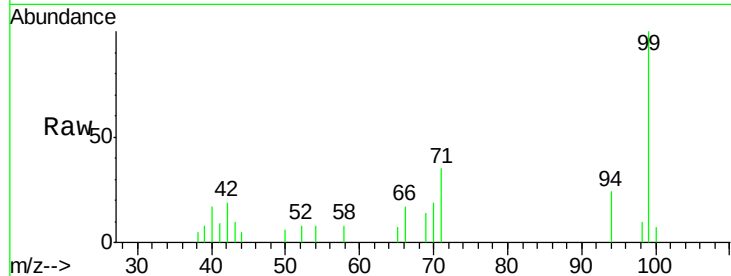




#10
Phenol
Concen: 2.26 ng
RT: 7.28 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

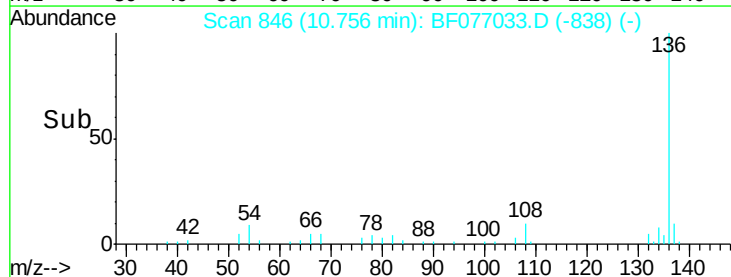
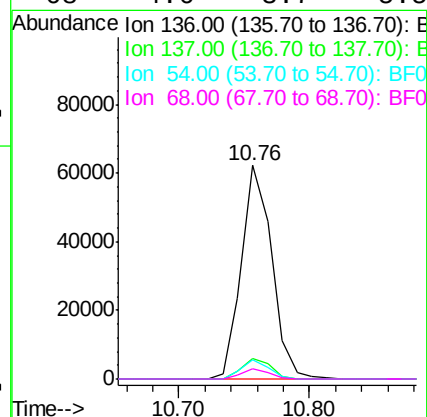
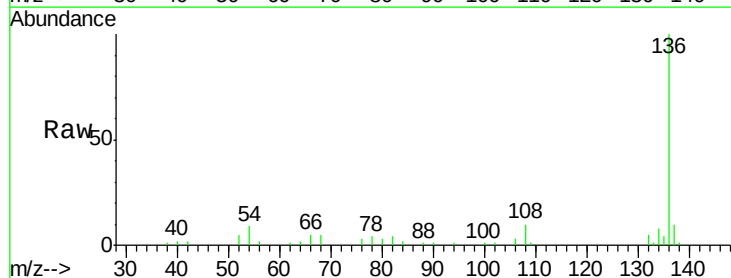
Instrument :
BNA_F
ClientSampleId :

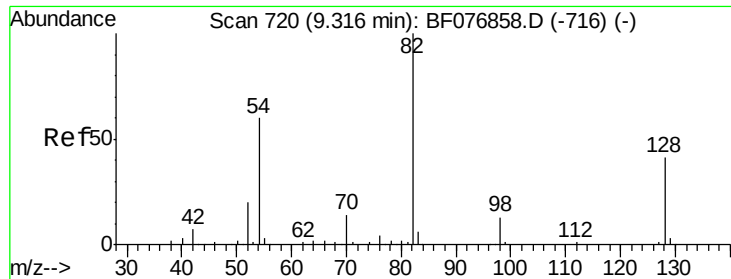
Tot Ion: 94 Resp: 4351
Ion Ratio Lower Upper
94 100
65 30.7 11.3 51.3
66 68.7 19.5 59.5#



#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

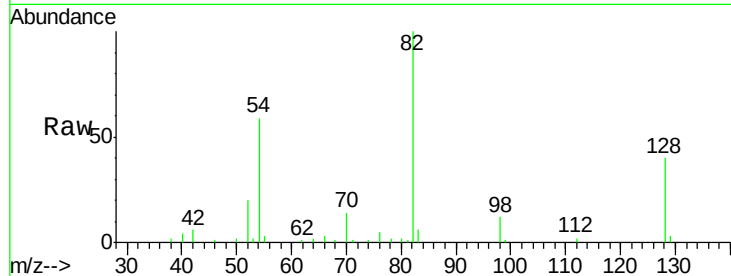




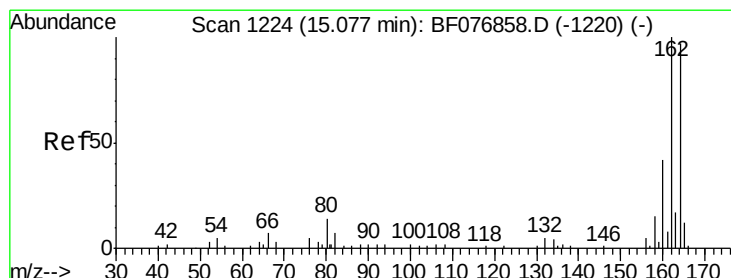
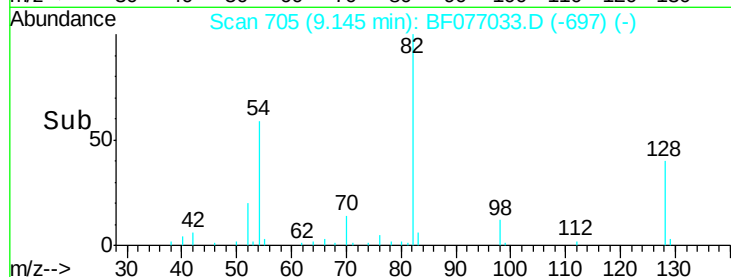
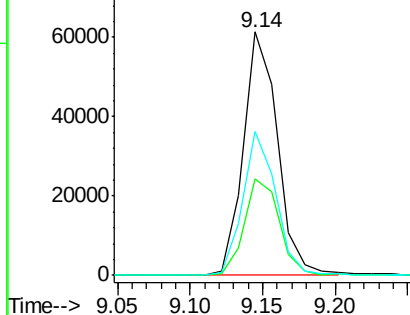
#23
 Nitrobenzene-d5
 Concen: 54.97 ng
 RT: 9.14 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

Instrument :
 BNA_F
 ClientSampleId :

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

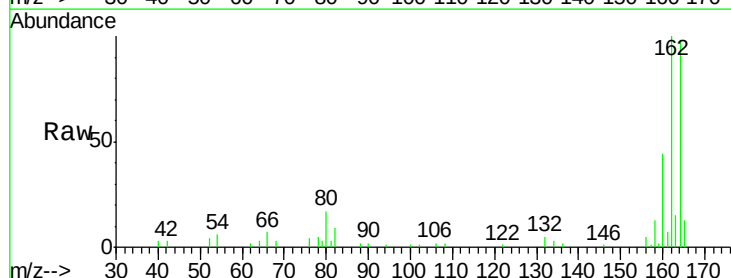


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

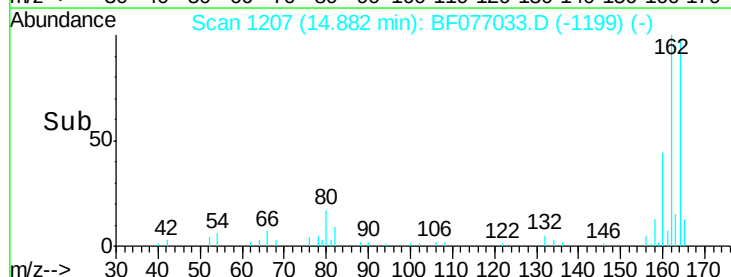
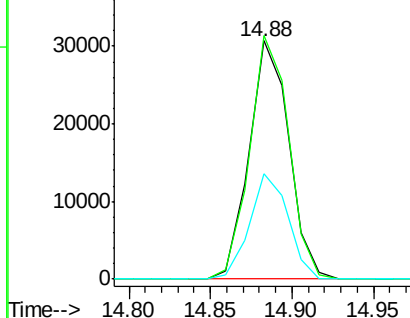


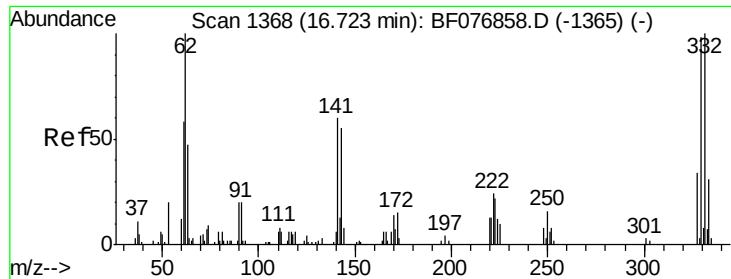
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.88 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

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): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

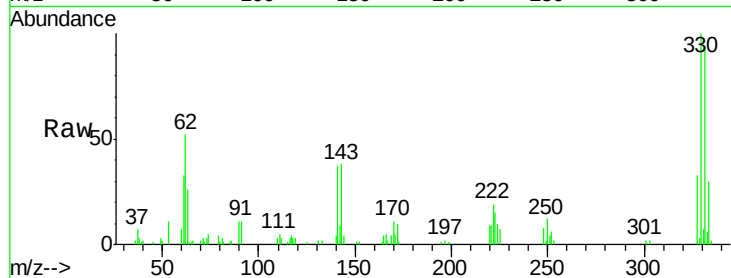




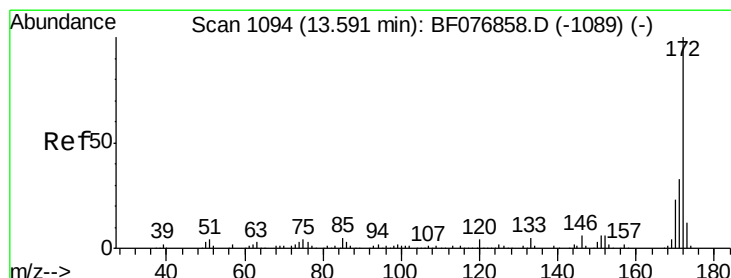
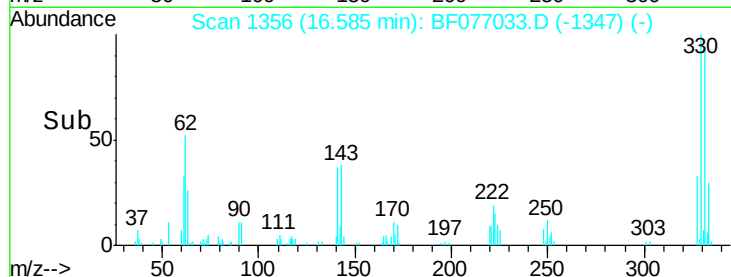
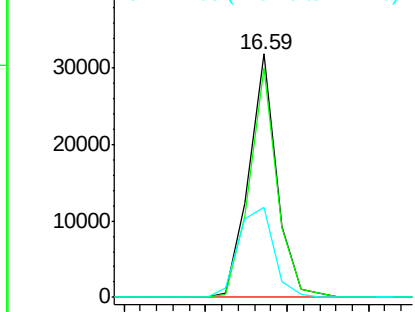
#41
 2,4,6-Tribromophenol
 Concen: 90.73 ng
 RT: 16.59 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.9	77.8	116.6
141	46.0	38.5	57.7

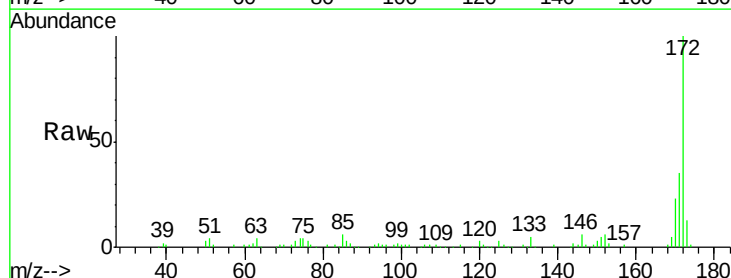


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

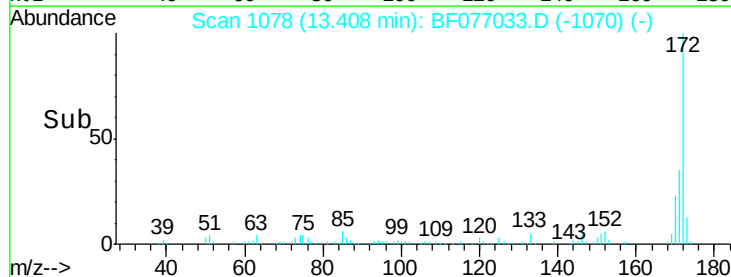
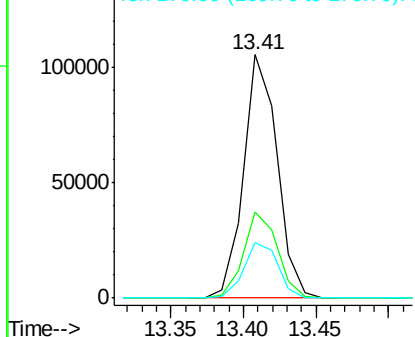


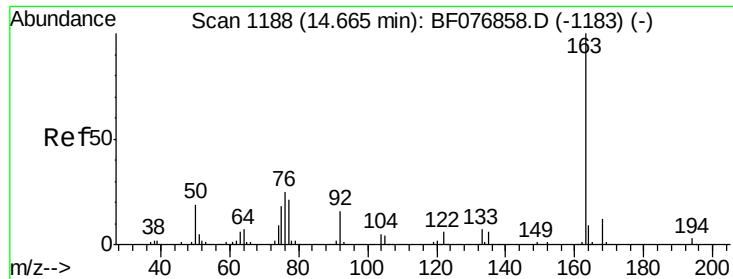
#44
 2-Fluorobiphenyl
 Concen: 49.66 ng
 RT: 13.41 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

Tgt Ion	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

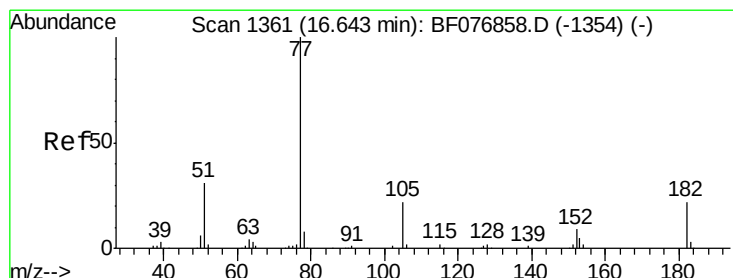
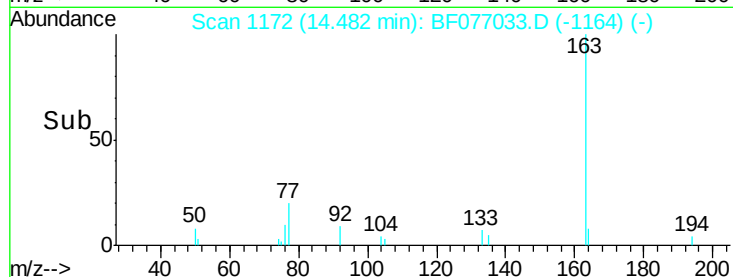
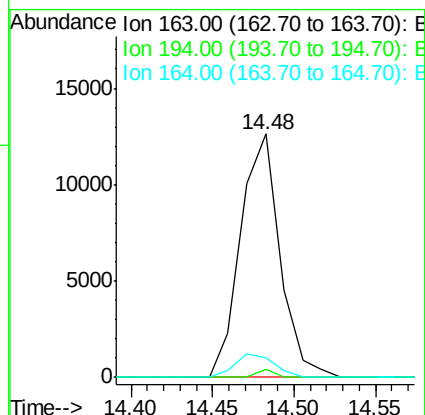
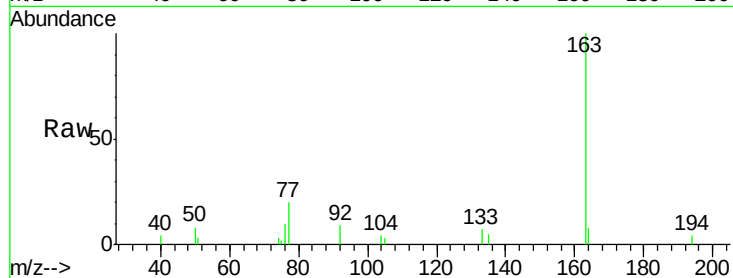




#49
Dimethylphthalate
Concen: 5.73 ng
RT: 14.48 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

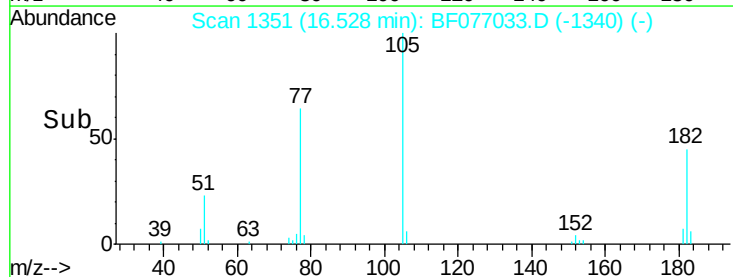
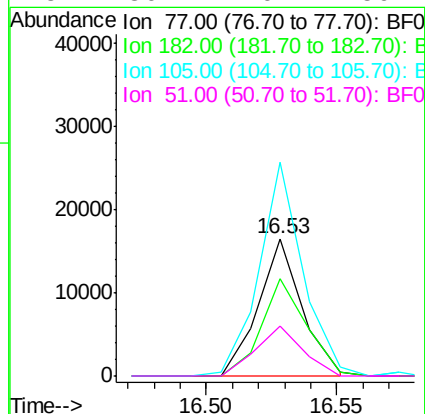
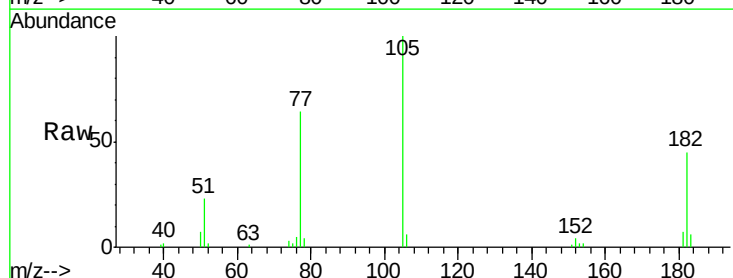
Instrument :
BNA_F
ClientSampleId :

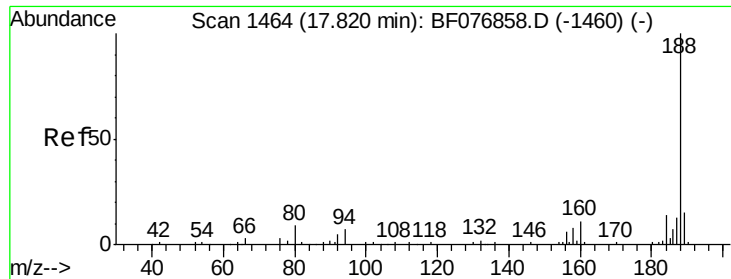
Tot Ion:163 Resp: 21127
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 8.3 7.5 11.3



#62
Azobenzene
Concen: 4.98 ng
RT: 16.53 min Scan# 1351
Delta R.T. 0.02 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Tgt Ion: 77 Resp: 19318
Ion Ratio Lower Upper
77 100
182 70.6 2.0 42.0#
105 155.7 2.3 42.3#
51 36.2 10.7 50.7

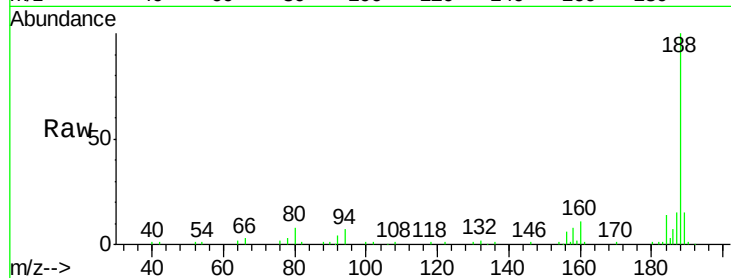




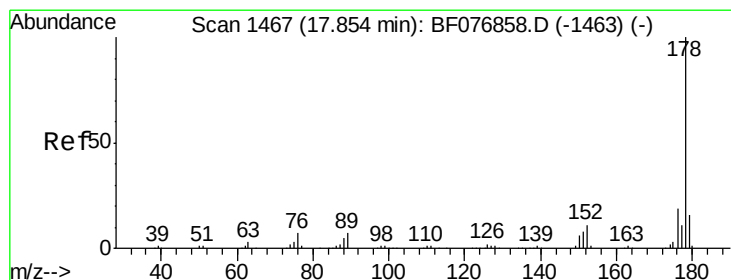
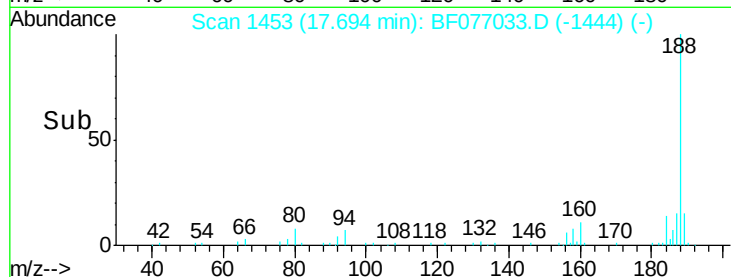
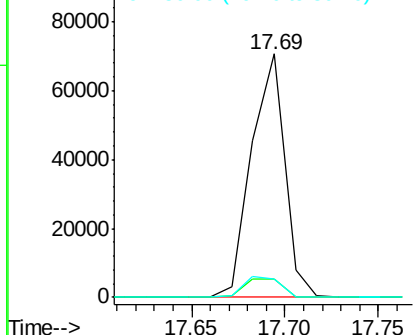
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.69 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 87378
Ion Ratio Lower Upper
188 100
94 7.4 6.0 9.0
80 7.6 6.9 10.3

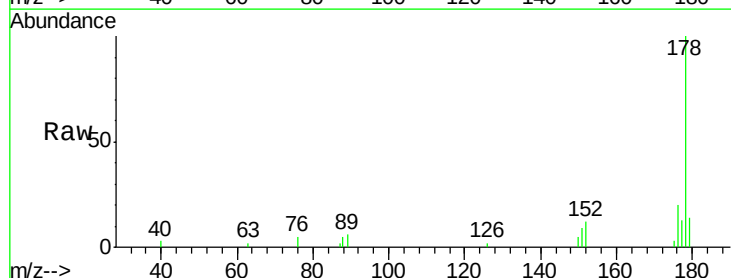


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

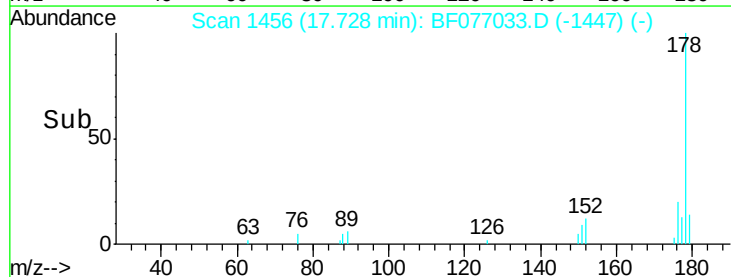
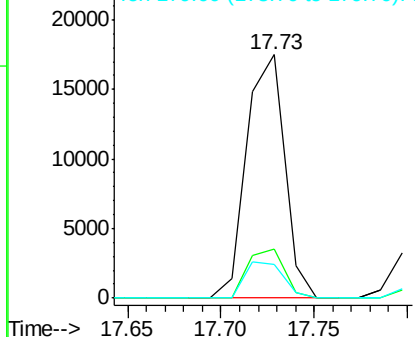


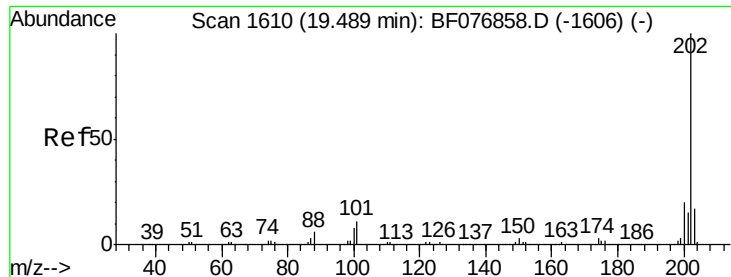
#70
Phenanthrene
Concen: 4.54 ng
RT: 17.73 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Tgt 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

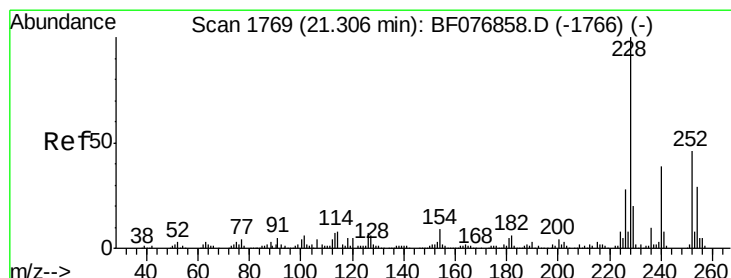
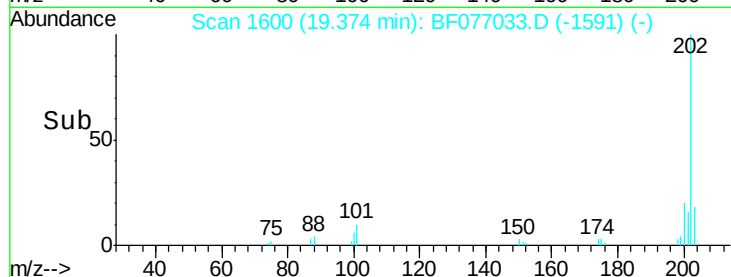
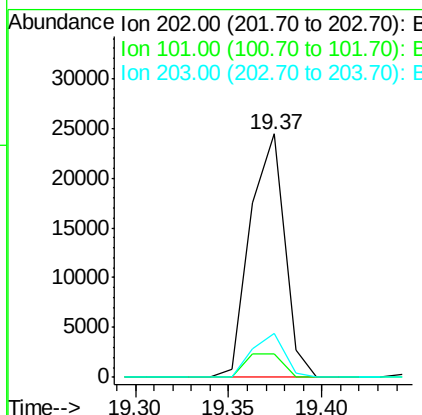
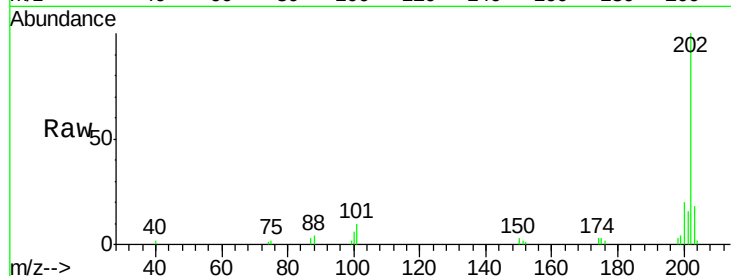




#74
 Fluoranthene
 Concen: 5.60 ng
 RT: 19.37 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

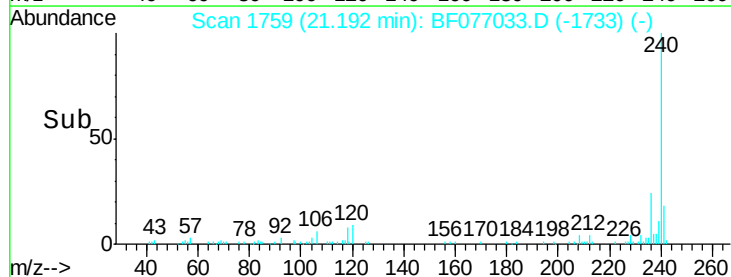
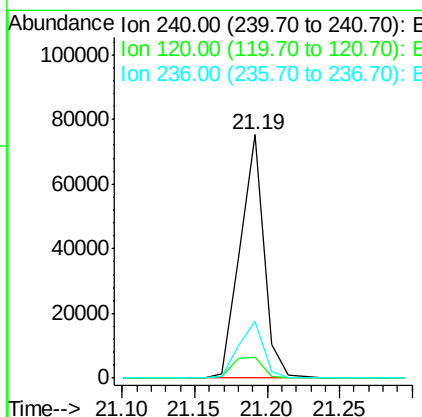
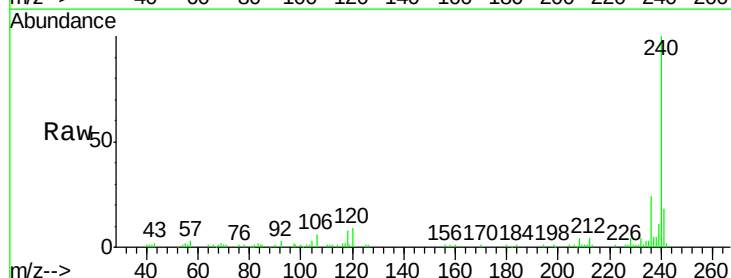
Instrument :
 BNA_F
 ClientSampleId :

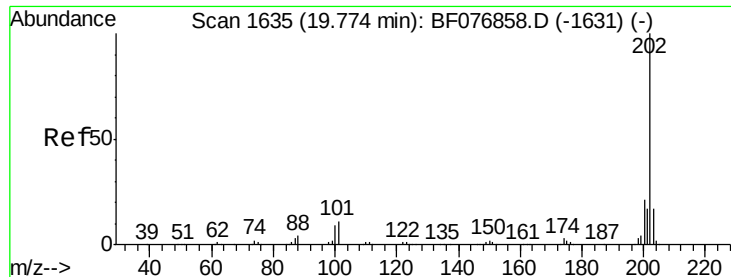
Tot Ion:202 Resp: 31280
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.7
 203 17.8 0.0 36.9



#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

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

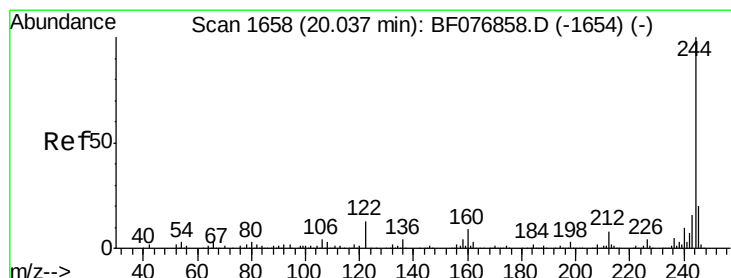
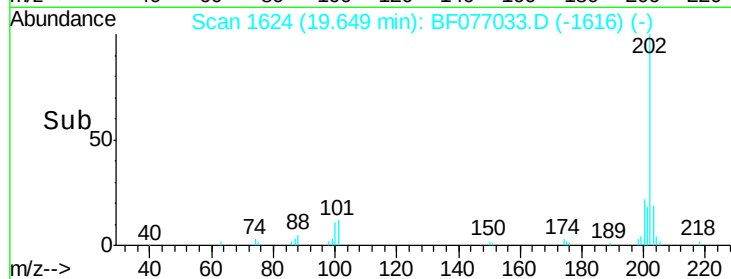
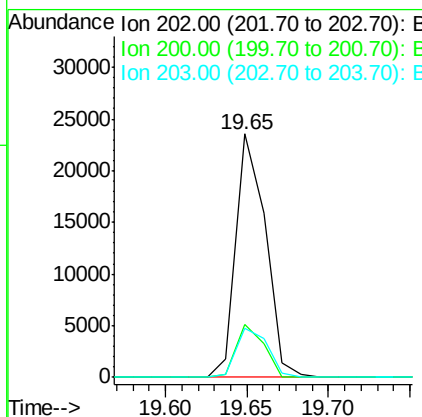
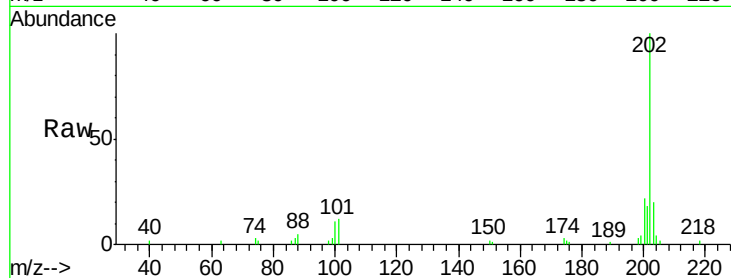




#77
 Pvrene
 Concen: 4.99 ng
 RT: 19.65 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BF077033.D
 Acq: 23 Jan 2015 5:42

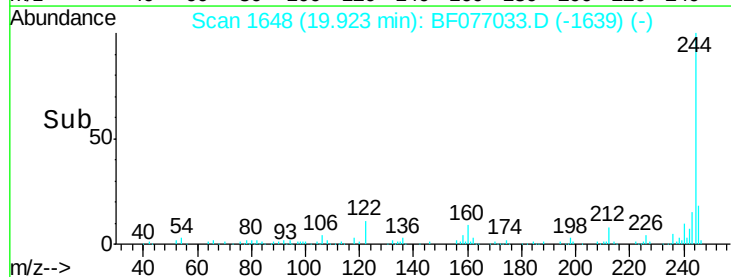
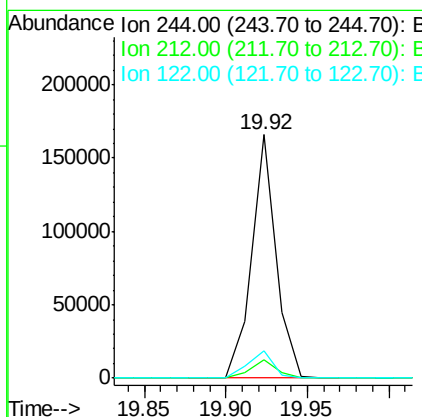
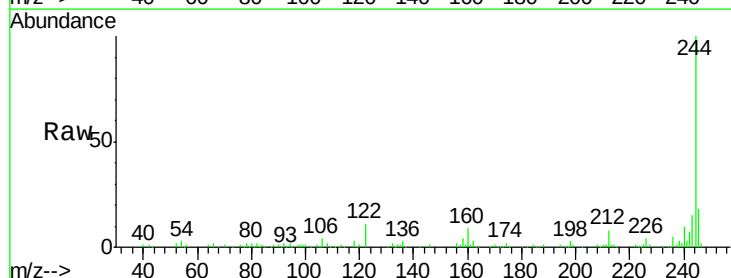
Instrument :
 BNA_F
 ClientSampleId :

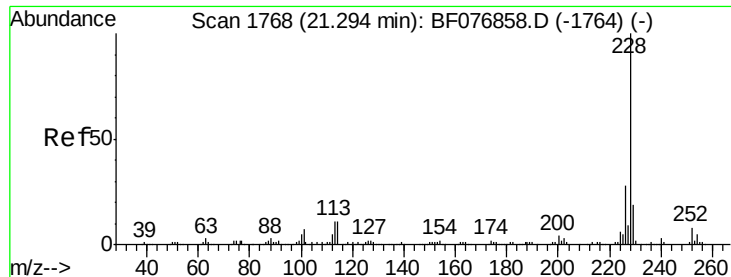
Tot Ion:202 Resp: 29438
 Ion Ratio Lower Upper
 202 100
 200 22.0 16.7 25.1
 203 20.0 14.0 21.0



#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

Tgt 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

Instrument :

BNA_F

ClientSampleId :

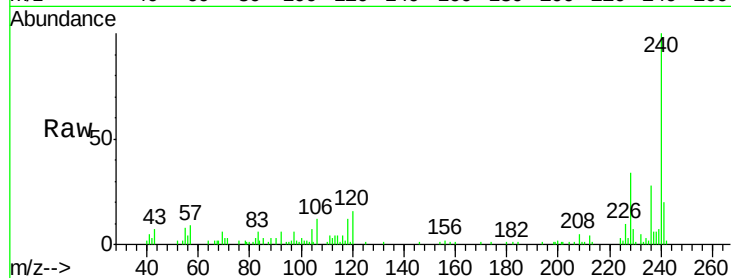
Tot Ion:228 Resp: 17308

Ion Ratio Lower Upper

228 100

226 29.5 22.1 33.1

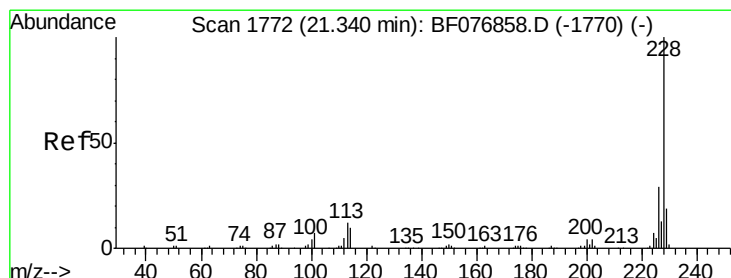
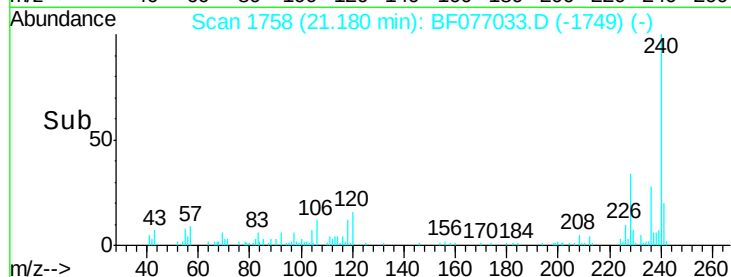
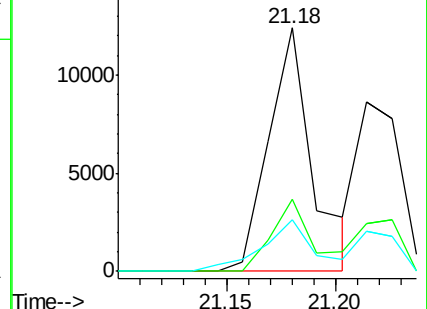
229 21.0 15.5 23.3



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: 3.52 ng

RT: 21.18 min Scan# 1758

Delta R.T. -0.05 min

Lab File: BF077033.D

Acq: 23 Jan 2015 5:42

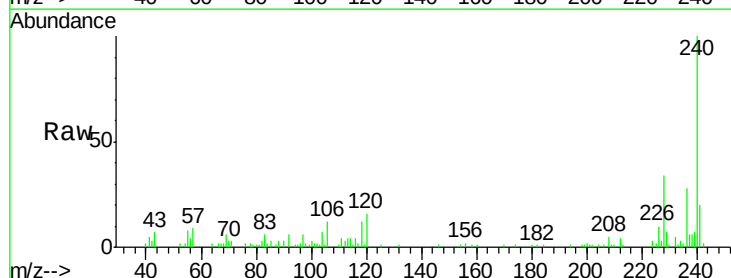
Tgt Ion:228 Resp: 17308

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.0

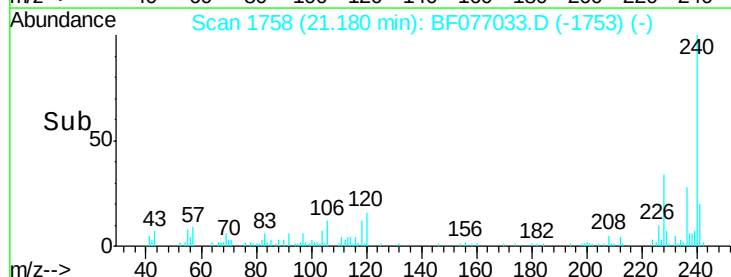
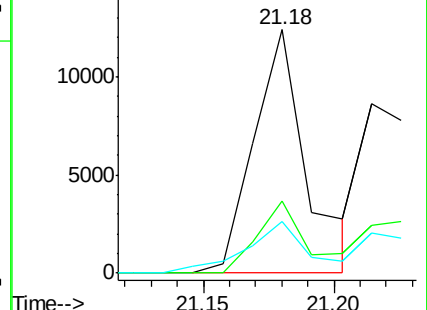
229 21.0 15.4 23.0

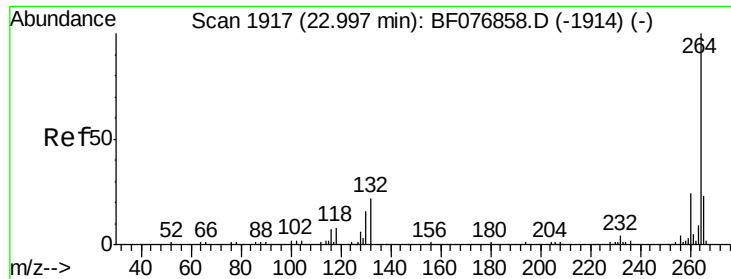


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

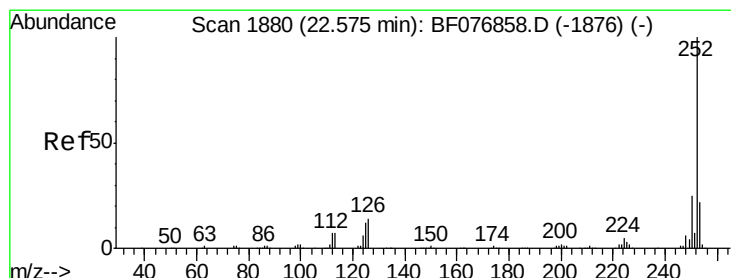
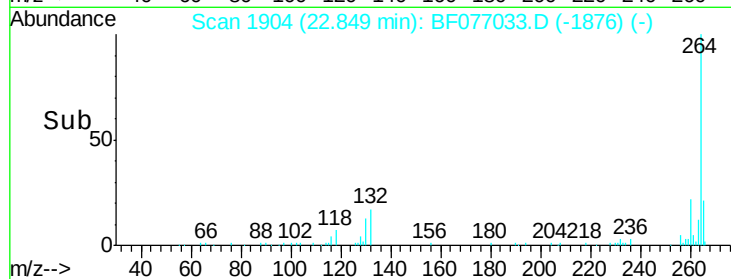
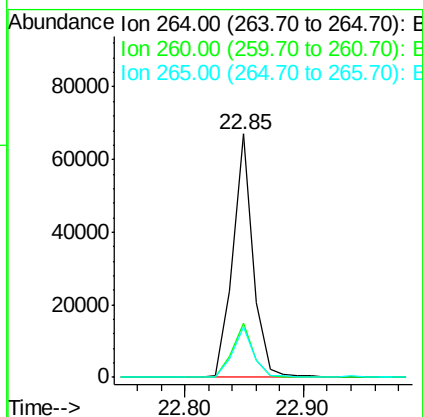
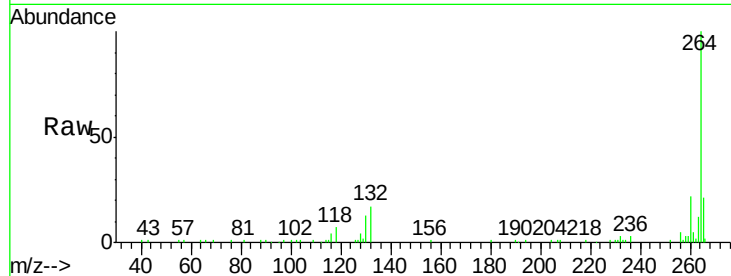




#86
Pervlene-d12
Concen: 20.00 ng
RT: 22.85 min Scan# 1904
Delta R.T. 0.02 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

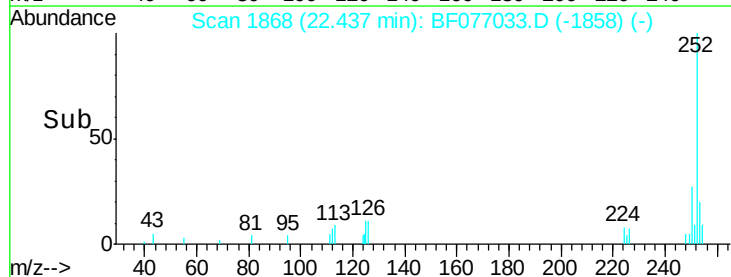
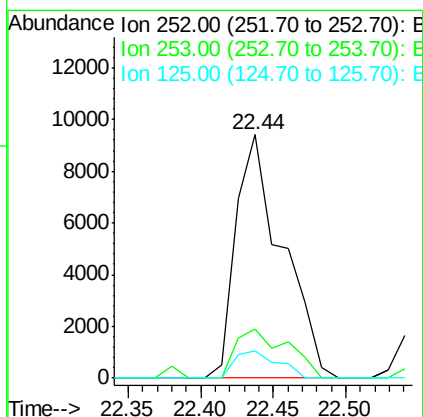
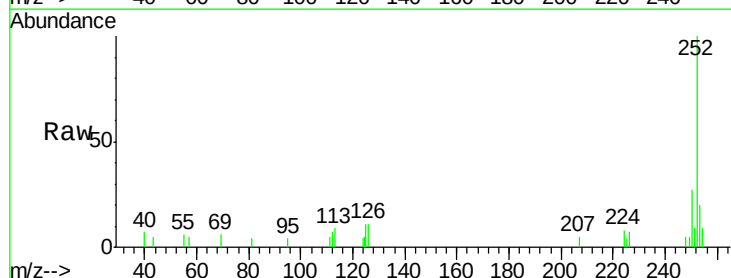
Instrument :
BNA_F
ClientSampleId :

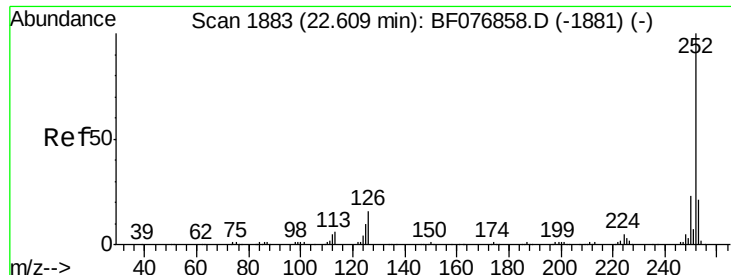
Tot Ion:264 Resp: 79336
Ion Ratio Lower Upper
264 100
260 22.4 19.0 28.4
265 20.6 18.1 27.1



#87
Benzo(b)fluoranthene
Concen: 3.91 ng
RT: 22.44 min Scan# 1868
Delta R.T. 0.01 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Tgt Ion:252 Resp: 20898
Ion Ratio Lower Upper
252 100
253 20.1 17.5 26.3
125 11.0 9.4 14.0

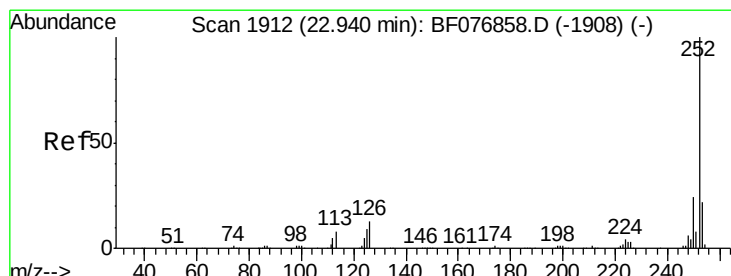
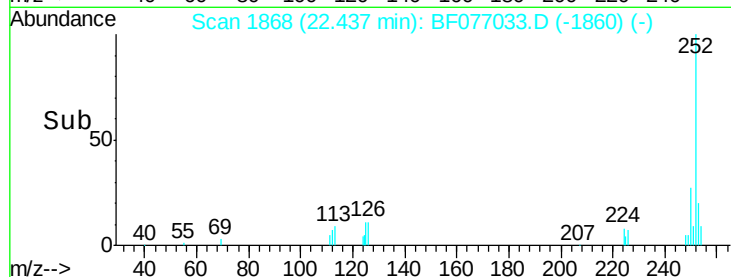
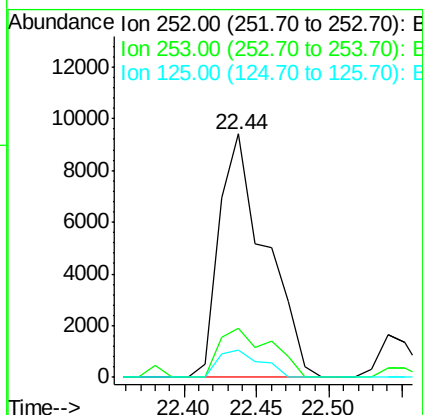
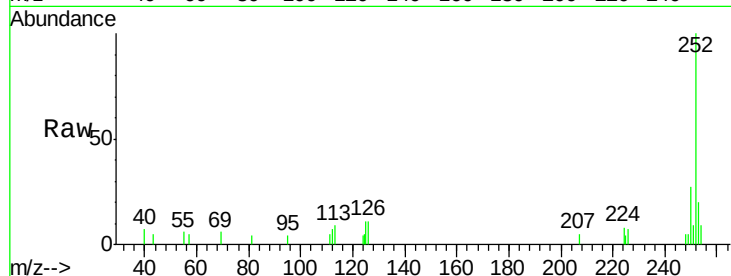




#88
Benzo(k)fluoranthene
Concen: 4.48 ng
RT: 22.44 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF077033.D
Acq: 23 Jan 2015 5:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 20898
Ion Ratio Lower Upper
252 100
253 20.1 17.2 25.8
125 11.0 7.1 10.7#



#89
Benzo(a)pyrene
Concen: 2.21 ng
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

