

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077603.D
 Acq On : 5 Mar 2015 4:01
 Operator : TP/IZ
 Sample : G1424-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB8

Quant Time: Mar 05 04:44:38 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 04 21:51:23 2015
 Response via : Initial Calibration

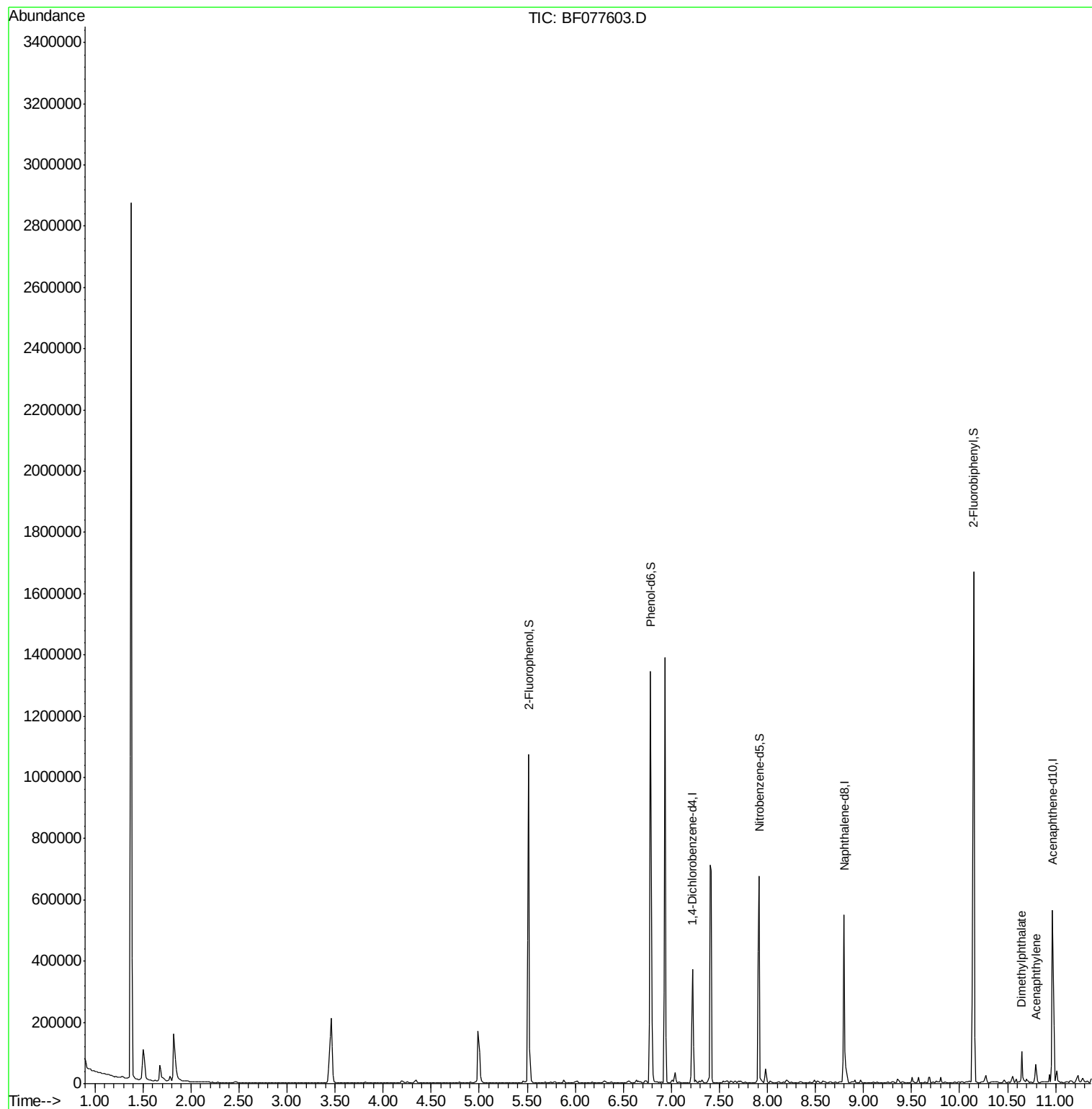
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	59938	20.00	ng	0.00
21) Naphthalene-d8	8.80	136	236780	20.00	ng	0.00
38) Acenaphthene-d10	10.97	164	115704	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	228186	20.00	ng	0.00
75) Chrysene-d12	16.10	240	263948	20.00	ng	-0.01
86) Perylene-d12	17.79	264	271916	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	346302	96.45	ng	0.00
7) Phenol-d6	6.79	99	437774	94.83	ng	0.00
23) Nitrobenzene-d5	7.91	82	263838	69.29	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	106737	95.81	ng	0.00
44) 2-Fluorobiphenyl	10.15	172	496416	66.90	ng	0.00
78) Terphenyl-d14	14.81	244	535353	47.42	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.80	152	27338	2.51	ng	98
49) Dimethylphthalate	10.65	163	39560	4.86	ng	98
70) Phenanthrene	12.84	178	268601	20.31	ng	100
71) Anthracene	12.90	178	62314	4.75	ng	100
74) Fluoranthene	14.32	202	566795	39.23	ng	100
77) Pyrene	14.60	202	524451	32.48	ng	99
80) Benzo(a)anthracene	16.08	228	359847	23.26	ng	99
82) Chrysene	16.12	228	330767	22.77	ng	97
87) Benzo(b)fluoranthene	17.36	252	773619	48.93	ng	# 95
88) Benzo(k)fluoranthene	17.36	252	773619	49.92	ng	99
89) Benzo(a)pyrene	17.72	252	405698	26.94	ng	97
90) Dibenzo(a,h)anthracene	19.22	278	72389	5.04	ng	# 92
91) Benzo(g,h,i)perylene	19.63	276	329939	22.76	ng	94

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077603.D
Acq On : 5 Mar 2015 4:01
Operator : TP/IZ
Sample : G1424-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB8

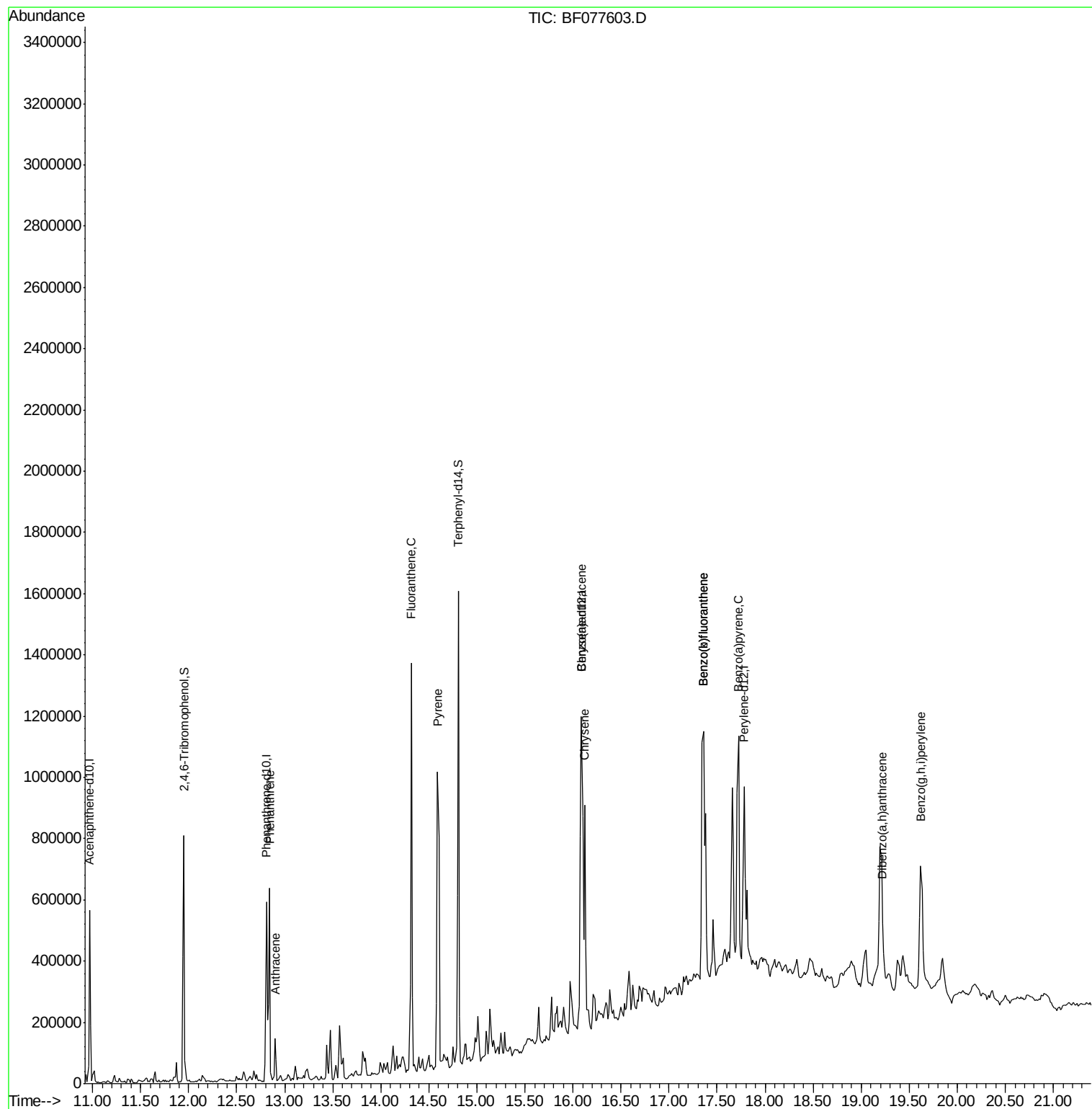
Quant Time: Mar 05 04:44:38 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 21:51:23 2015
Response via : Initial Calibration

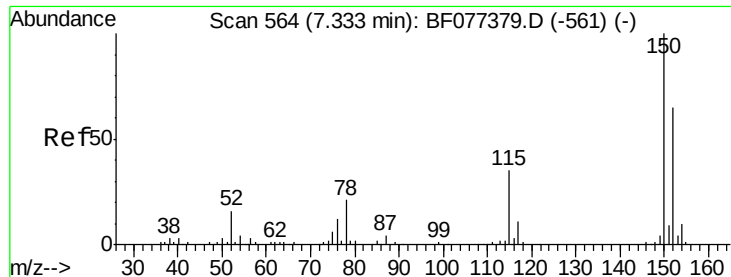


Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077603.D
Acq On : 5 Mar 2015 4:01
Operator : TP/IZ
Sample : G1424-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB8

Quant Time: Mar 05 04:44:38 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 04 21:51:23 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.22 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

Instrument :

BNA_F

ClientSampleId :

SB8

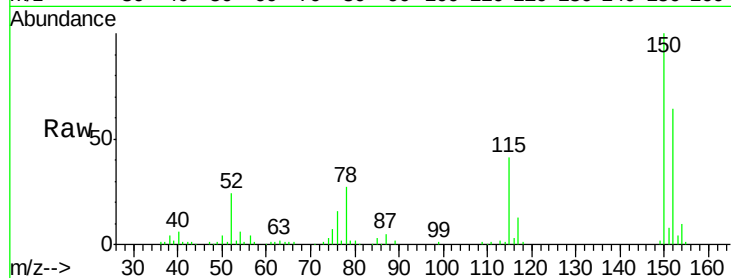
Tgt Ion:152 Resp: 59938

Ion Ratio Lower Upper

152 100

150 156.4 124.0 186.0

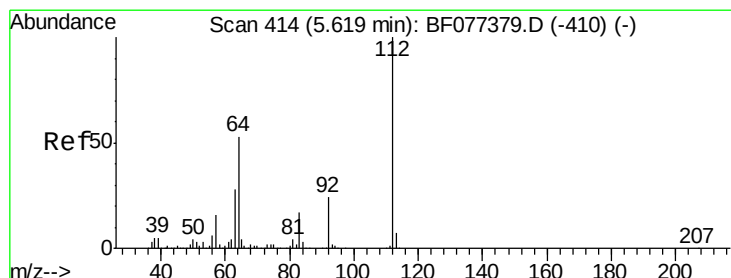
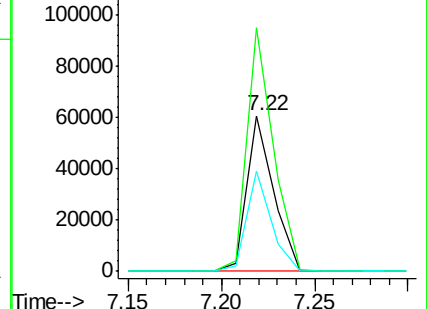
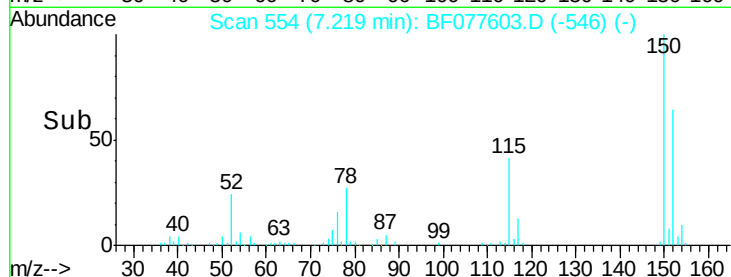
115 64.8 49.4 74.2



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: 96.45 ng

RT: 5.51 min Scan# 405

Delta R.T. 0.00 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

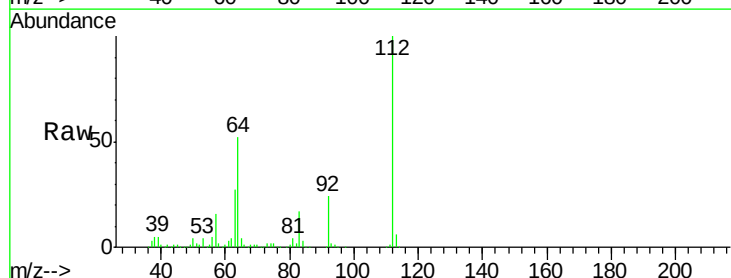
Tgt Ion:112 Resp: 346302

Ion Ratio Lower Upper

112 100

64 51.8 48.5 72.7

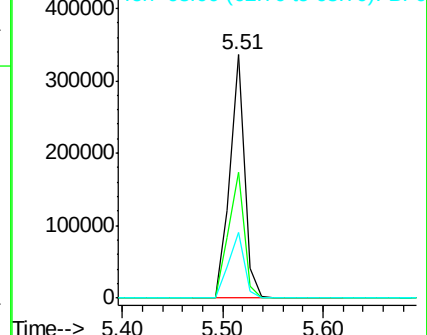
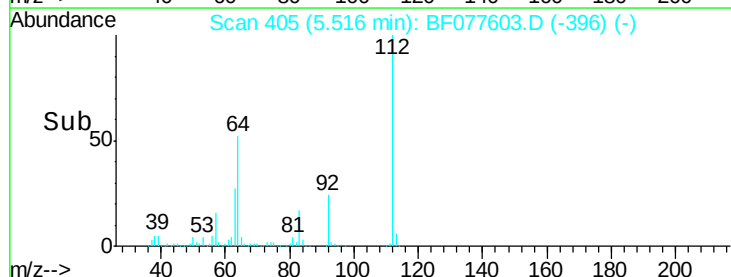
63 27.1 25.0 37.4

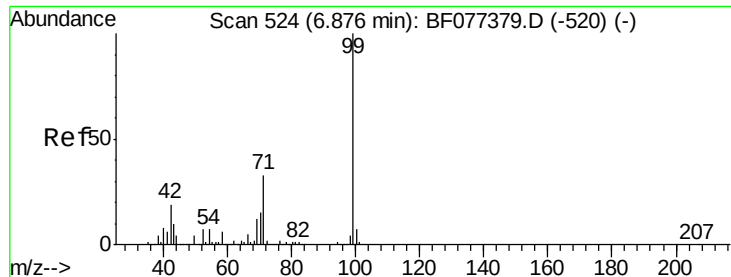


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 94.83 ng

RT: 6.79 min Scan# 516

Delta R.T. -0.00 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

Instrument :

BNA_F

ClientSampleId :

SB8

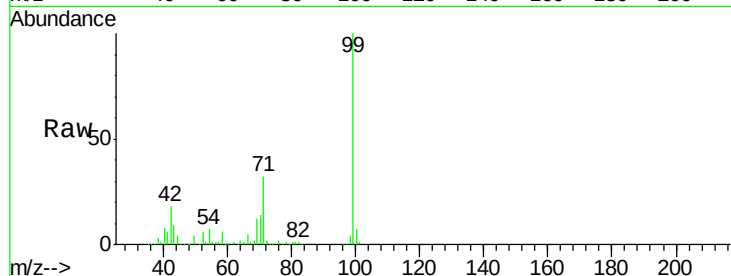
Tgt Ion: 99 Resp: 437774

Ion Ratio Lower Upper

99 100

42 18.4 16.2 24.4

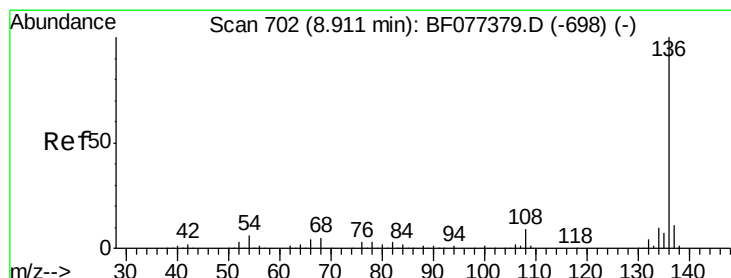
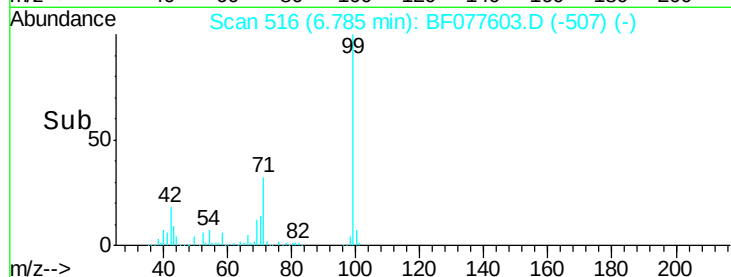
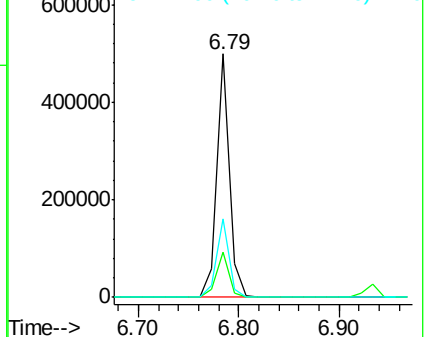
71 32.1 26.7 40.1



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: 8.80 min Scan# 692

Delta R.T. -0.00 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

Tgt Ion: 136 Resp: 236780

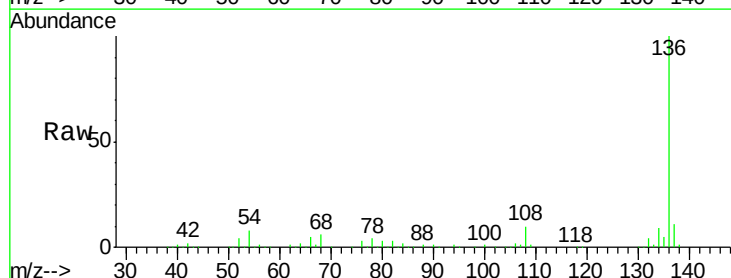
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 7.6 6.2 9.4

68 6.3 5.0 7.6

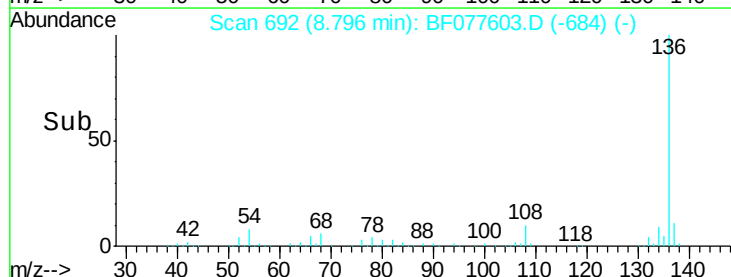
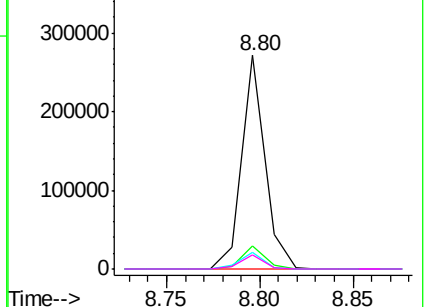


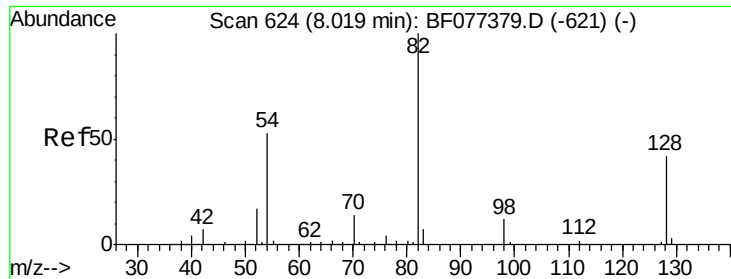
Abundance Ion 136.00 (135.70 to 136.70): E

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

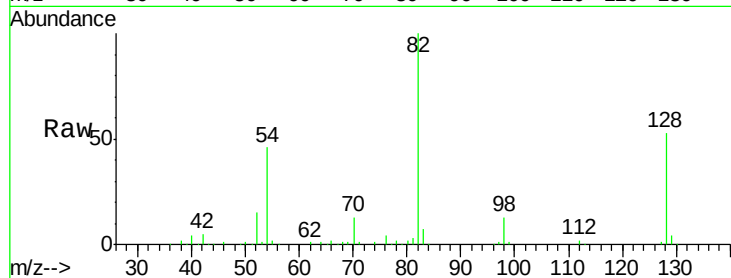




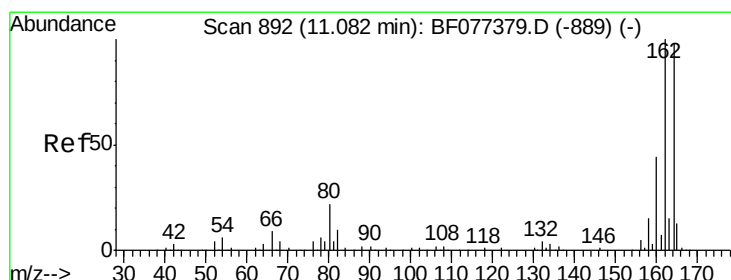
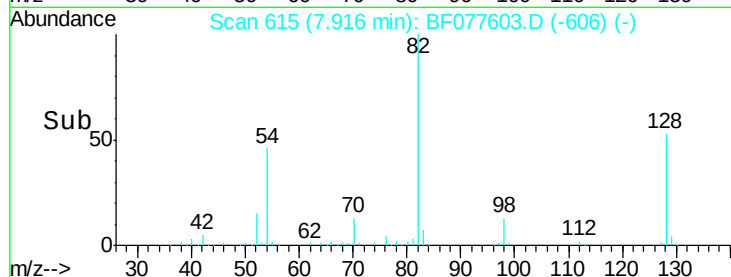
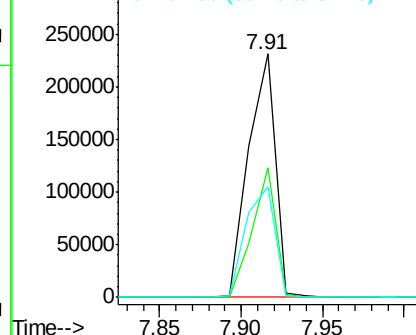
#23
 Nitrobenzene-d5
 Concen: 69.29 ng
 RT: 7.91 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 SB8

Tgt Ion: 82 Resp: 263838
 Ion Ratio Lower Upper
 82 100
 128 53.3 43.8 65.8
 54 45.5 36.7 55.1

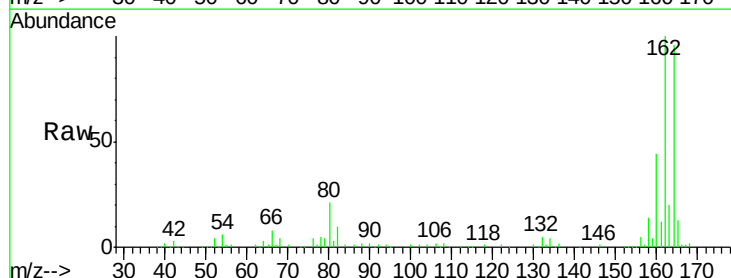


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

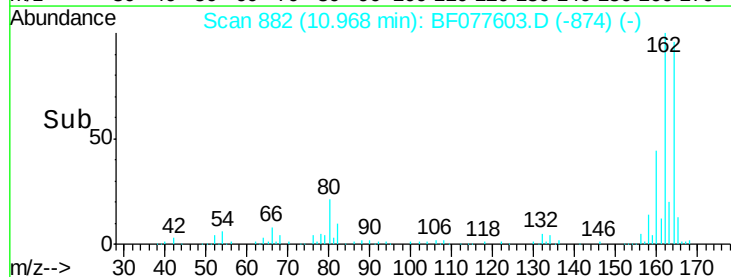
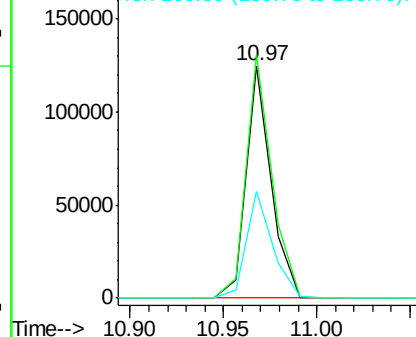


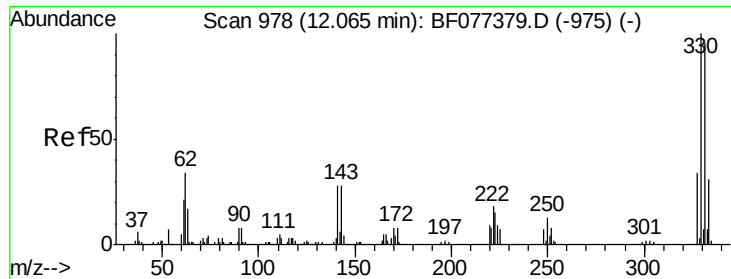
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

Tgt Ion: 164 Resp: 115704
 Ion Ratio Lower Upper
 164 100
 162 104.7 83.2 124.8
 160 45.6 34.6 52.0



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

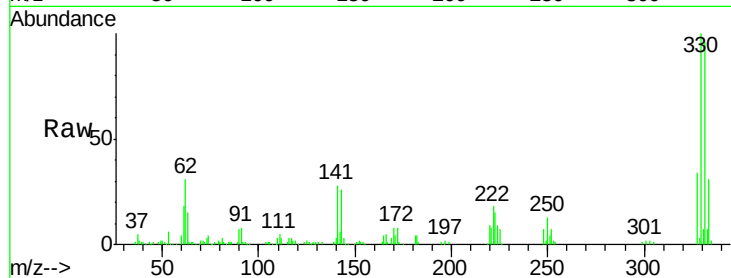




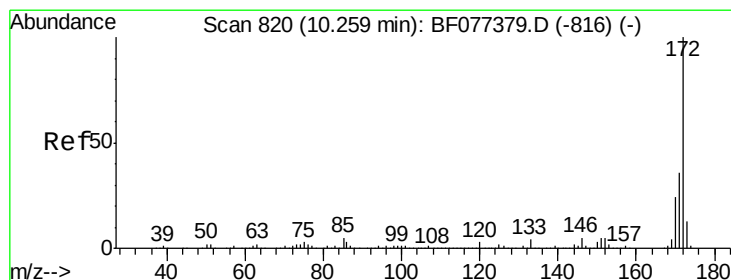
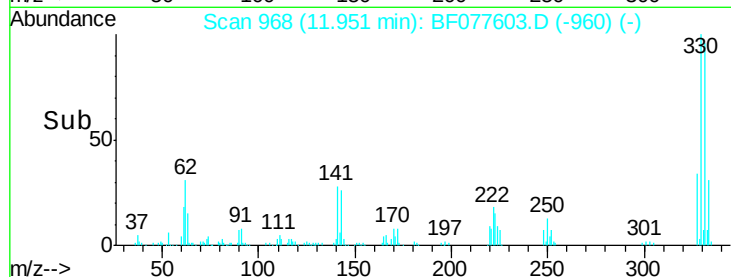
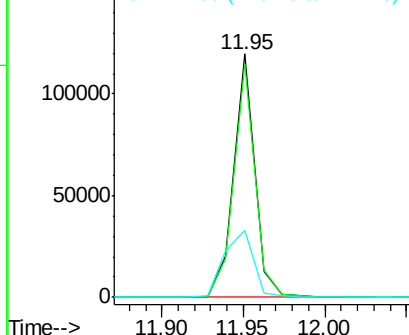
#41
 2,4,6-Tribromophenol
 Concen: 95.81 ng
 RT: 11.95 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 SB8

Tgt Ion:330 Resp: 106737
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.4 116.2
 141 38.6 28.8 43.2

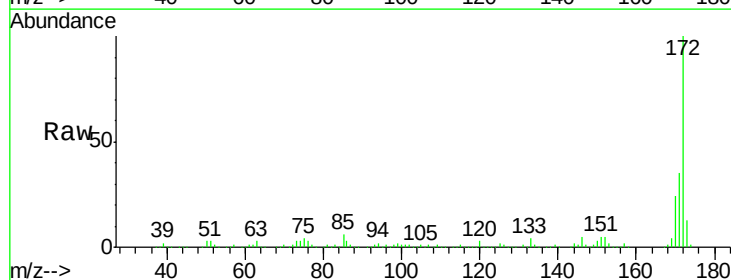


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

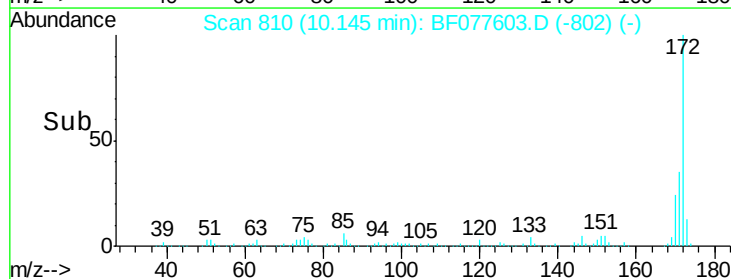
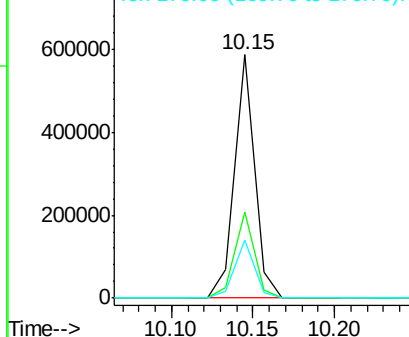


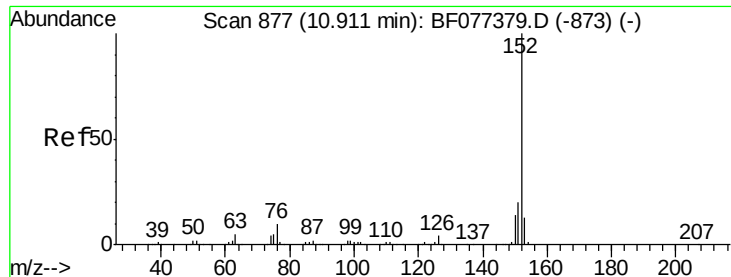
#44
 2-Fluorobiphenyl
 Concen: 66.90 ng
 RT: 10.15 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

Tgt Ion:172 Resp: 496416
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.9 43.3
 170 24.1 19.4 29.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

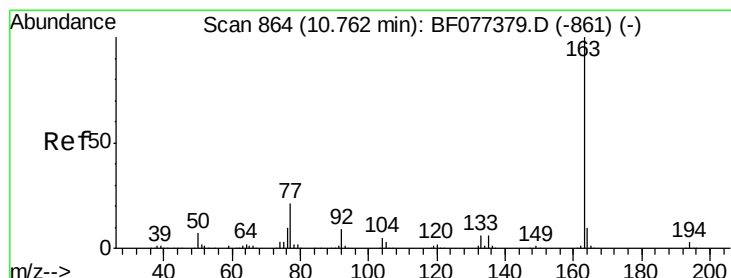
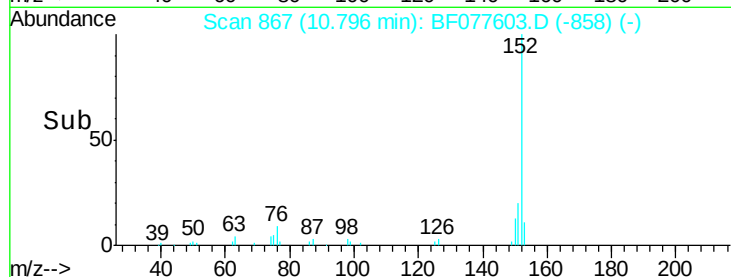
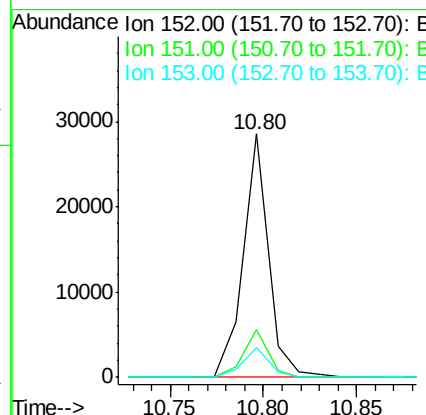
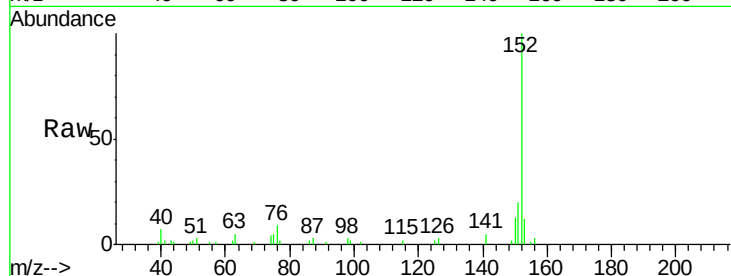




#48
Acenaphthylene
Concen: 2.51 ng
RT: 10.80 min Scan# 867
Delta R.T. -0.00 min
Lab File: BF077603.D
Acq: 5 Mar 2015 4:01

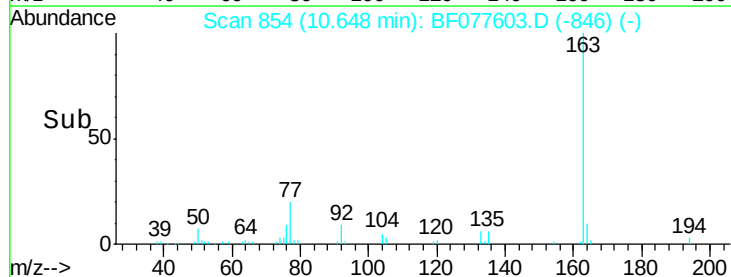
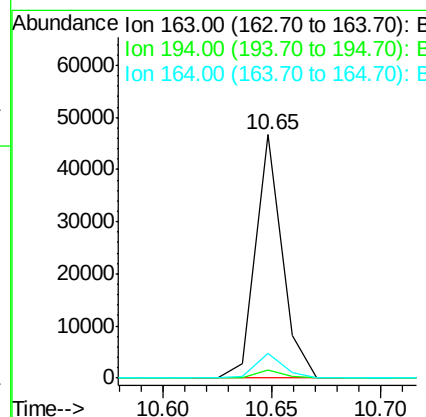
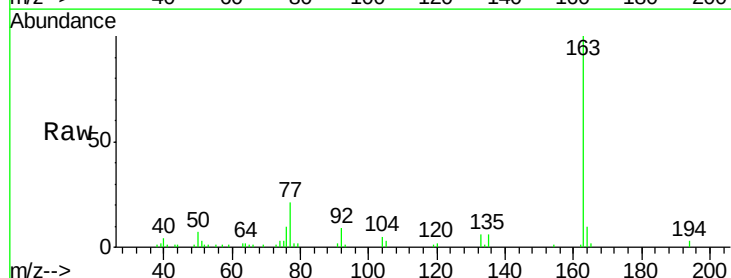
Instrument :
BNA_F
ClientSampleId :
SB8

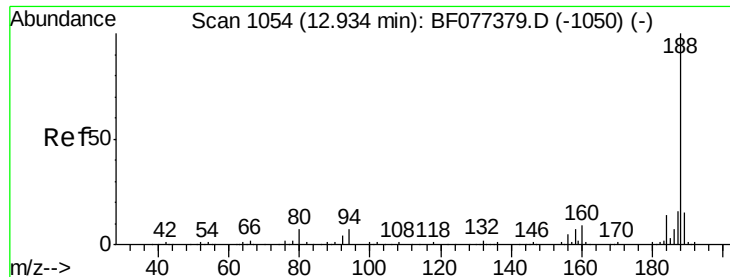
Tgt Ion:152 Resp: 27338
Ion Ratio Lower Upper
152 100
151 19.5 16.1 24.1
153 12.1 10.9 16.3



#49
Dimethylphthalate
Concen: 4.86 ng
RT: 10.65 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF077603.D
Acq: 5 Mar 2015 4:01

Tgt Ion:163 Resp: 39560
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.0 8.6 13.0

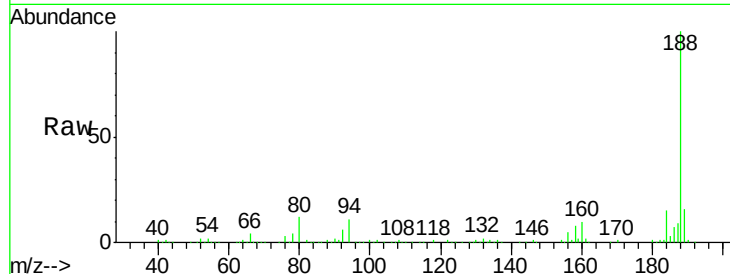




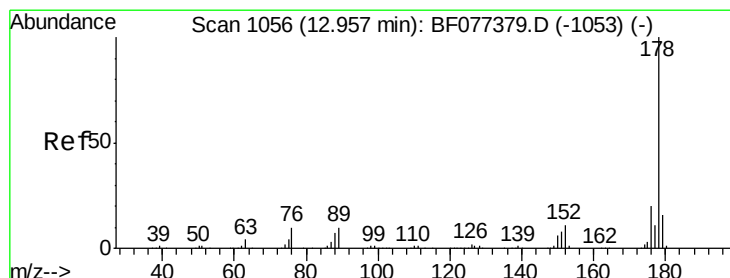
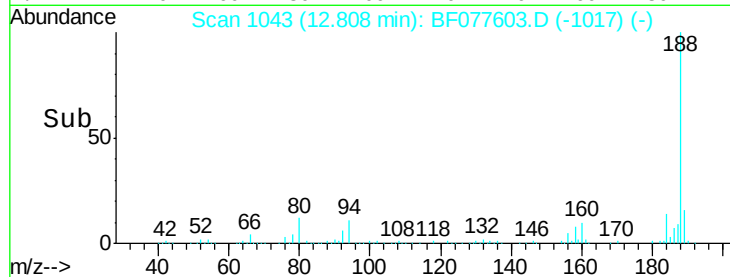
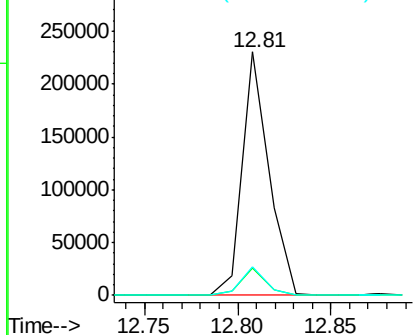
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.81 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

Instrument :
 BNA_F
 ClientSampleId :
 SB8

Tgt Ion:188 Resp: 228186
 Ion Ratio Lower Upper
 188 100
 94 11.4 7.4 11.2#
 80 11.8 8.0 12.0

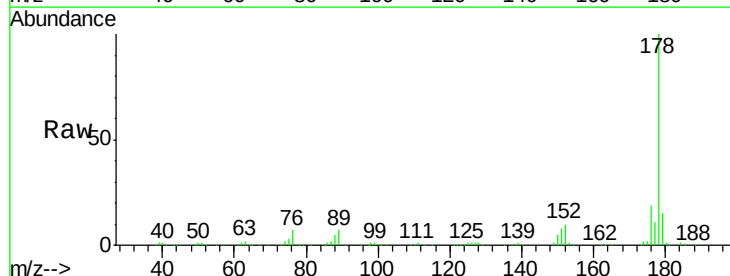


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

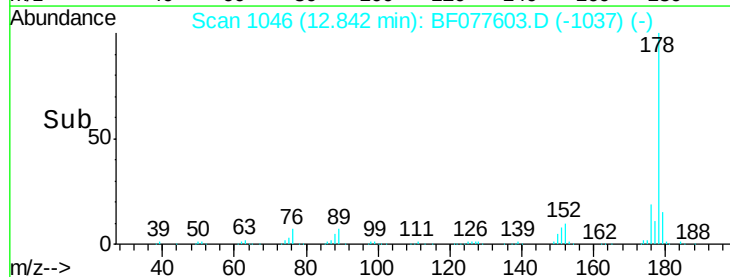
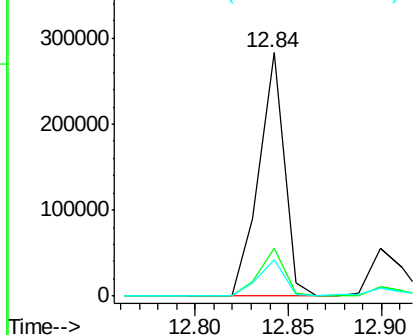


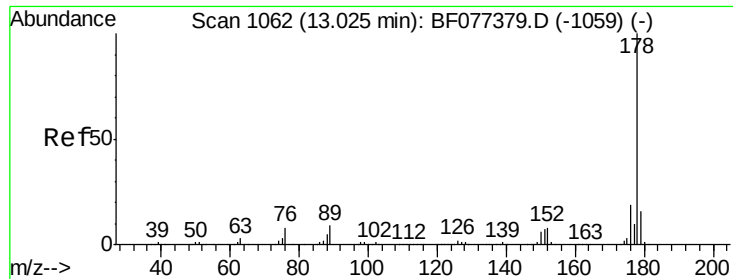
#70
 Phenanthrene
 Concen: 20.31 ng
 RT: 12.84 min Scan# 1046
 Delta R.T. -0.00 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

Tgt Ion:178 Resp: 268601
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.5 23.3
 179 14.8 12.2 18.2



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

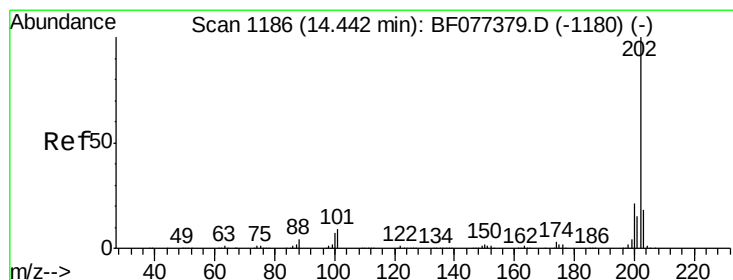
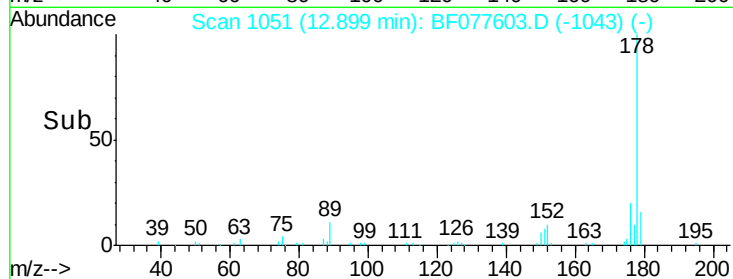
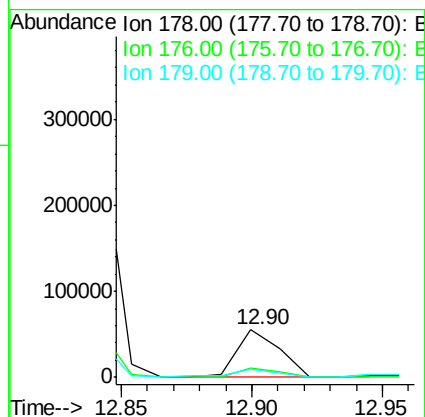
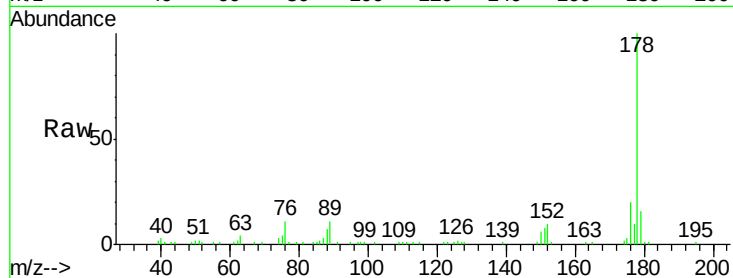




#71
 Anthracene
 Concen: 4.75 ng
 RT: 12.90 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

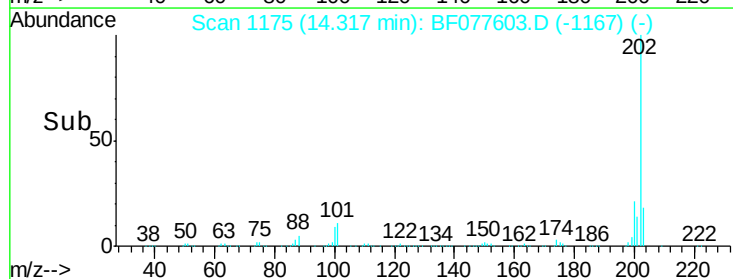
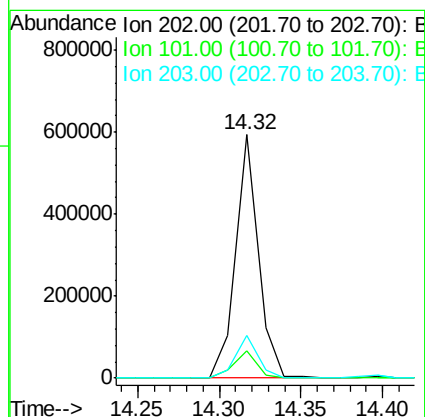
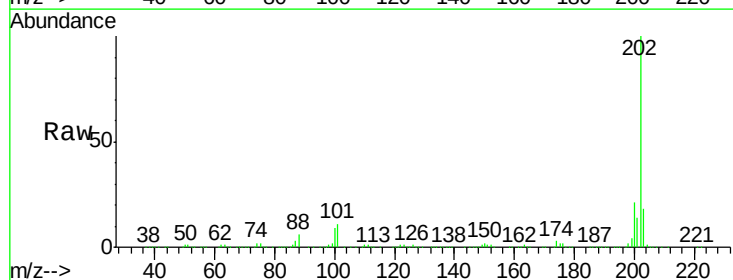
Instrument :
 BNA_F
 ClientSampleId :
 SB8

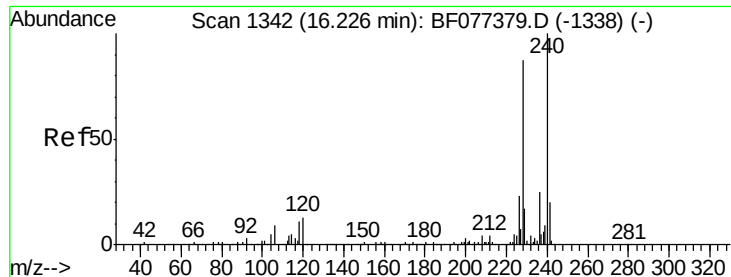
Tgt Ion:178 Resp: 62314
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.0
 179 16.2 12.9 19.3



#74
 Fluoranthene
 Concen: 39.23 ng
 RT: 14.32 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

Tgt Ion:202 Resp: 566795
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 30.8
 203 17.7 0.0 37.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.10 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

Instrument :

BNA_F

ClientSampleId :

SB8

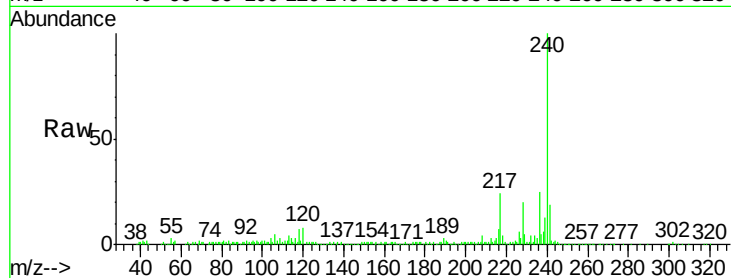
Tgt Ion:240 Resp: 263948

Ion Ratio Lower Upper

240 100

120 7.7 8.8 13.2#

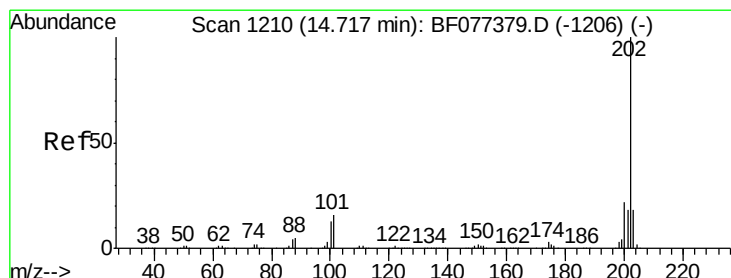
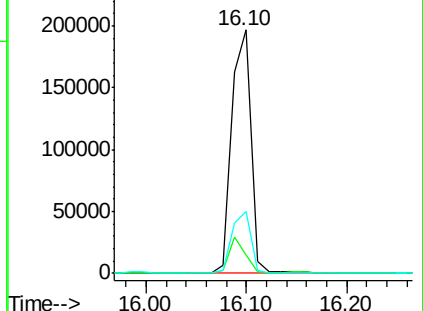
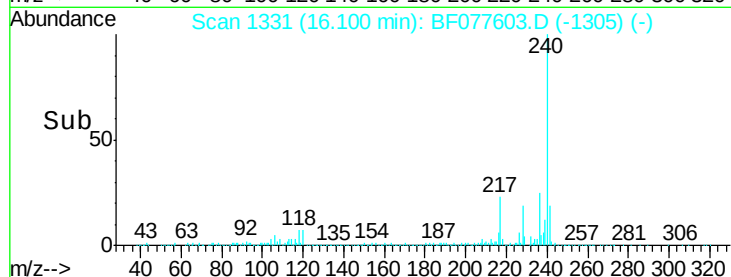
236 25.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 32.48 ng

RT: 14.60 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

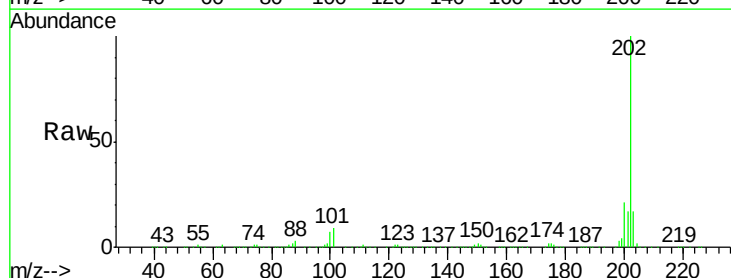
Tgt Ion:202 Resp: 524451

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

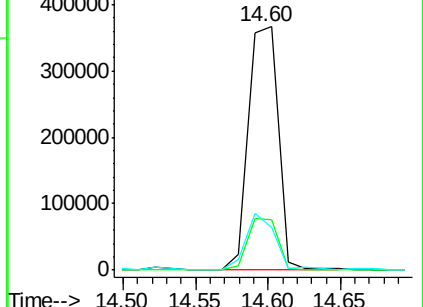
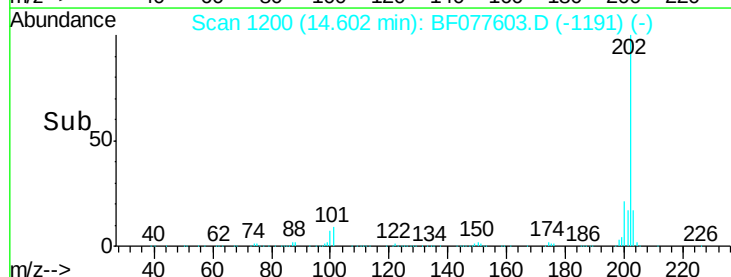
203 17.4 14.2 21.2

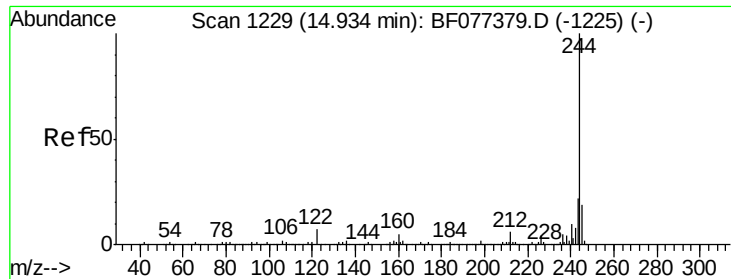


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

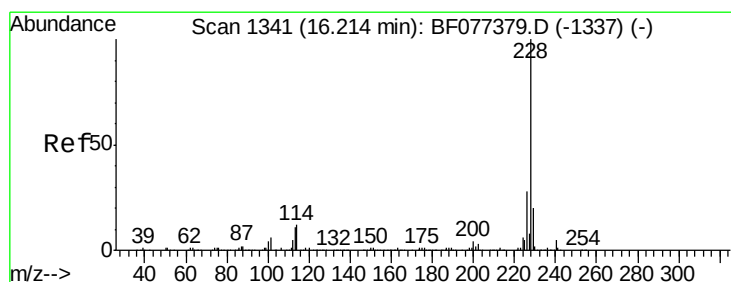
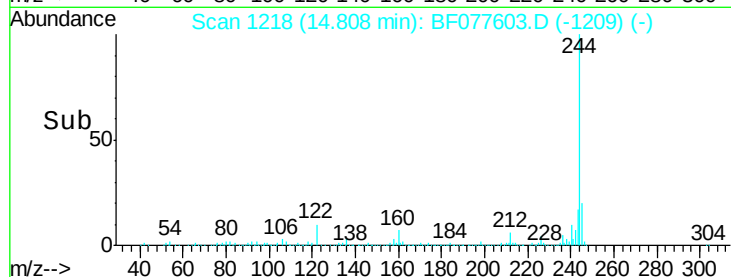
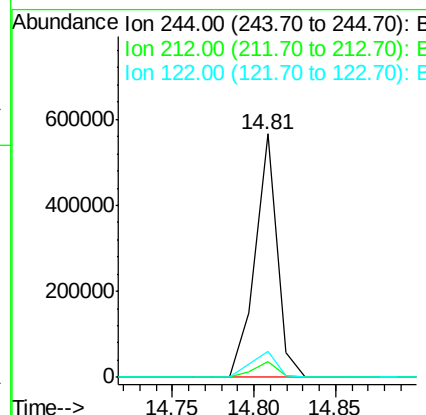
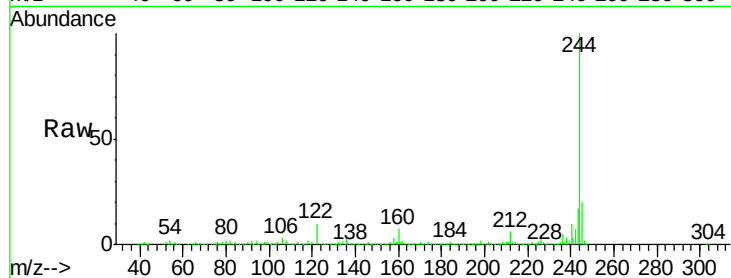




#78
 Terphenyl-d14
 Concen: 47.42 ng
 RT: 14.81 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

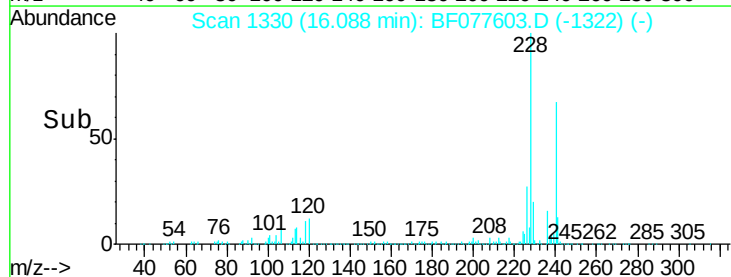
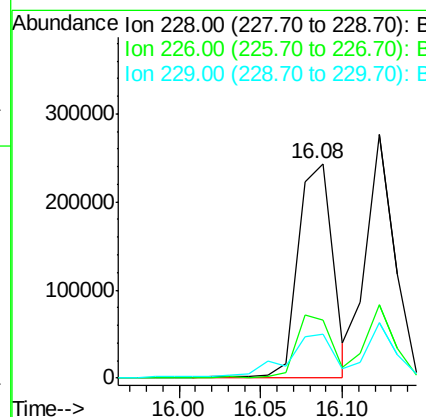
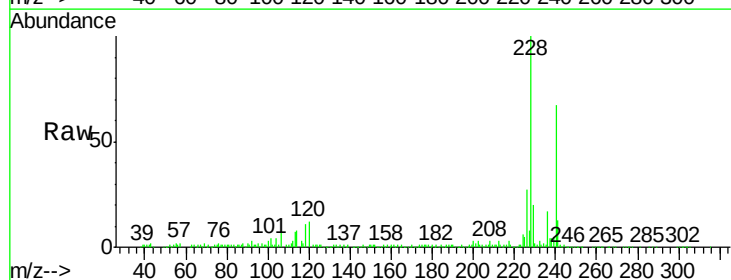
Instrument :
 BNA_F
 ClientSampleId :
 SB8

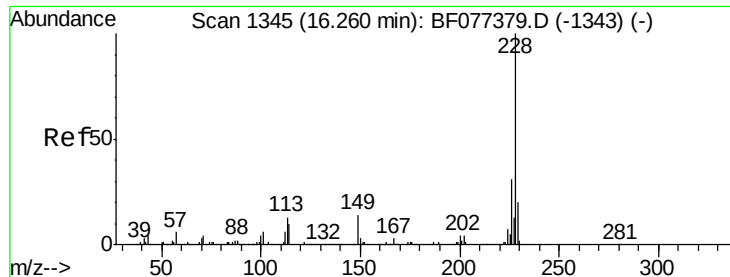
Tgt Ion:244 Resp: 535353
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 10.5 7.8 11.8



#80
 Benzo(a)anthracene
 Concen: 23.26 ng
 RT: 16.08 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF077603.D
 Acq: 5 Mar 2015 4:01

Tgt Ion:228 Resp: 359847
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.0 33.0
 229 20.4 15.8 23.8





#82

Chrysene

Concen: 22.77 ng

RT: 16.12 min Scan# 1333

Delta R.T. -0.02 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

Instrument :

BNA_F

ClientSampleId :

SB8

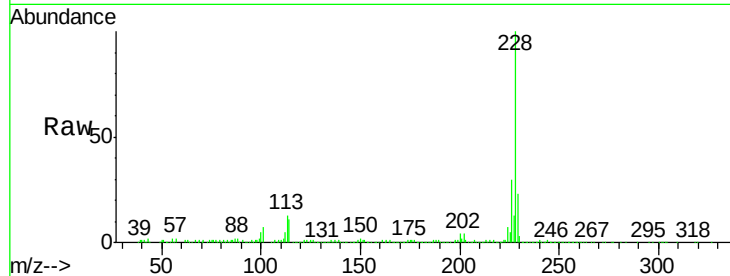
Tgt Ion:228 Resp: 330767

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

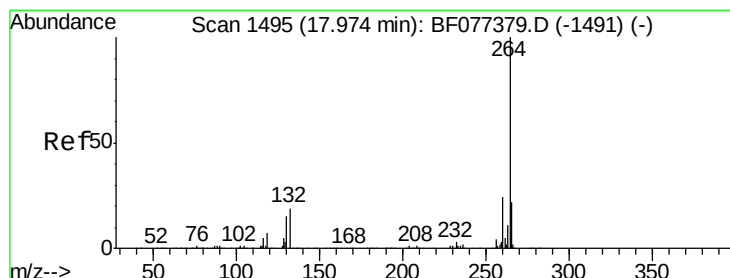
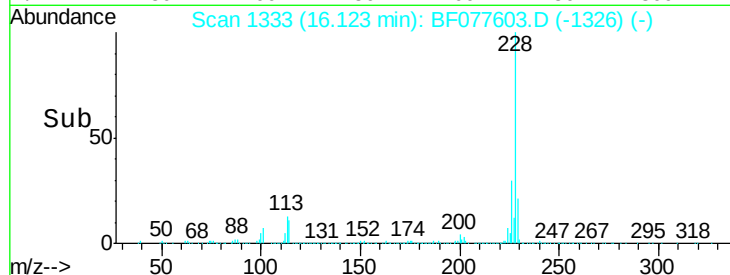
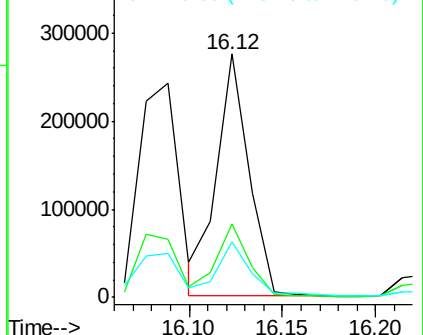
229 22.9 16.4 24.6



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: 17.79 min Scan# 1478

Delta R.T. -0.06 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

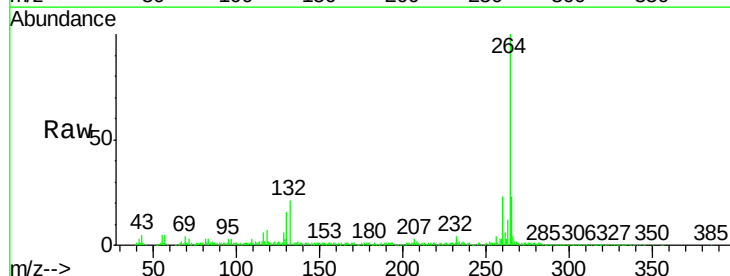
Tgt Ion:264 Resp: 271916

Ion Ratio Lower Upper

264 100

260 23.1 19.3 28.9

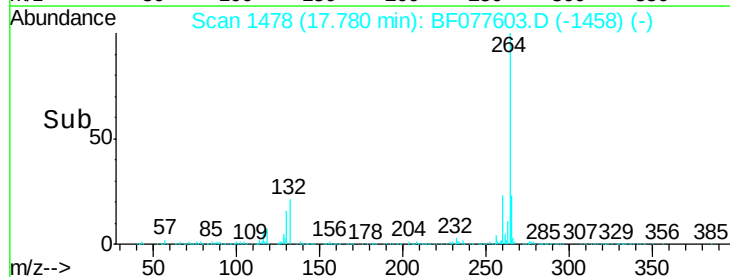
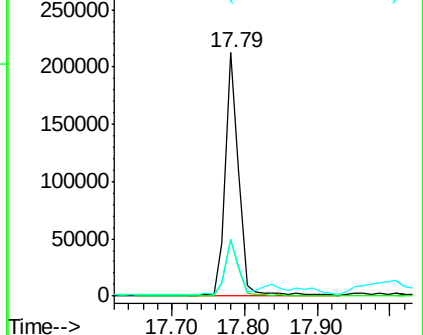
265 23.2 16.8 25.2

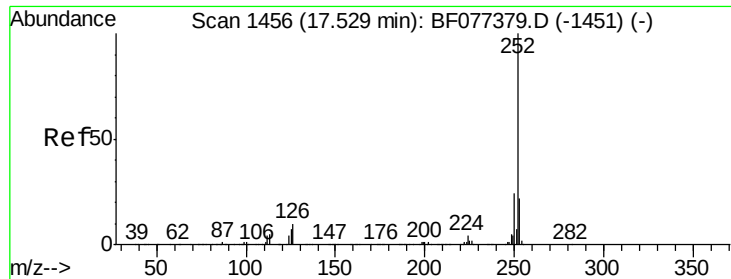


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

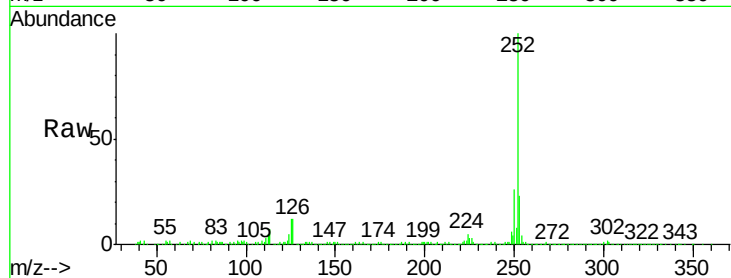




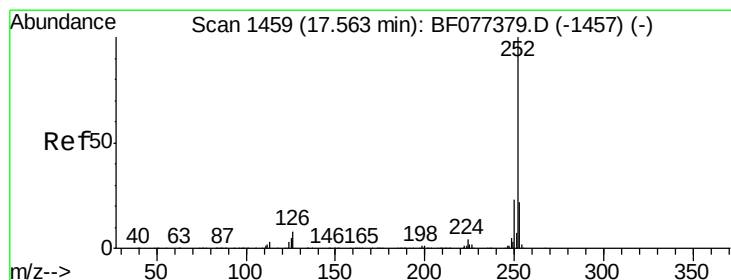
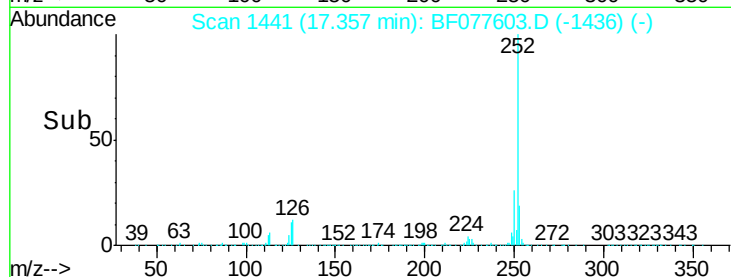
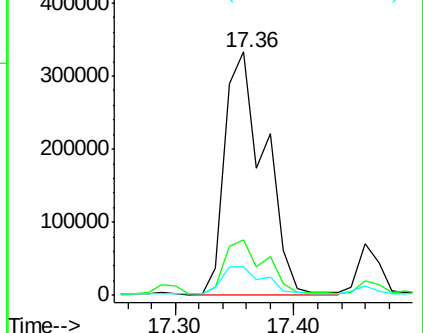
#87
Benzo(b)fluoranthene
Concen: 48.93 ng
RT: 17.36 min Scan# 1441
Delta R.T. -0.04 min
Lab File: BF077603.D
Acq: 5 Mar 2015 4:01

Instrument :
BNA_F
ClientSampleId :
SB8

Tgt Ion:252 Resp: 773619
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 11.9 5.4 8.2#

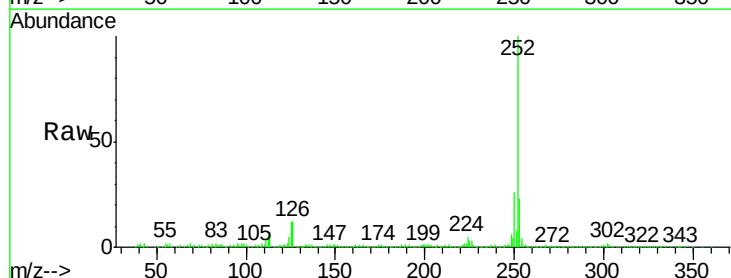


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

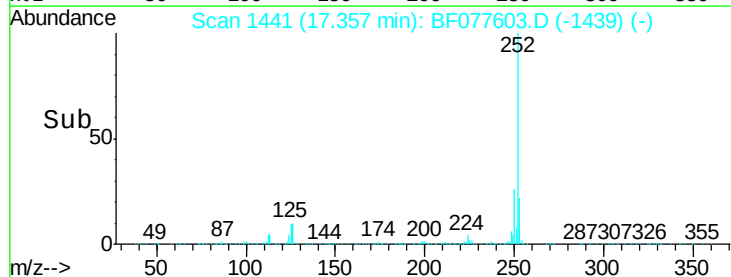
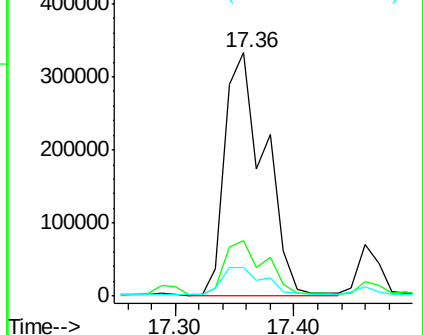


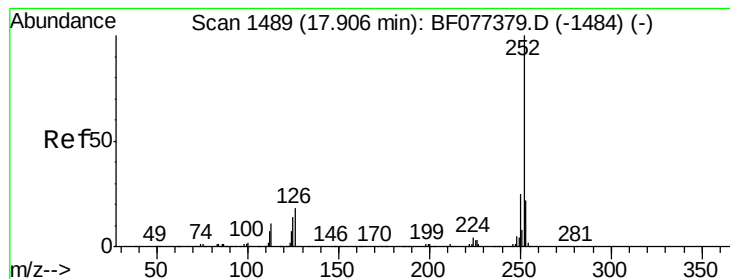
#88
Benzo(k)fluoranthene
Concen: 49.92 ng
RT: 17.36 min Scan# 1441
Delta R.T. -0.07 min
Lab File: BF077603.D
Acq: 5 Mar 2015 4:01

Tgt Ion:252 Resp: 773619
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 11.9 10.1 15.1



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: 26.94 ng

RT: 17.72 min Scan# 1473

Delta R.T. -0.07 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

Instrument :

BNA_F

ClientSampled :

SB8

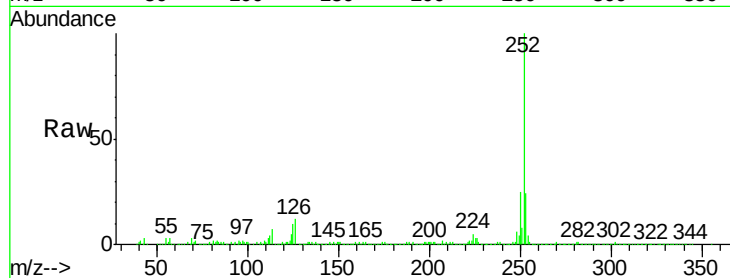
Tgt Ion:252 Resp: 405698

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

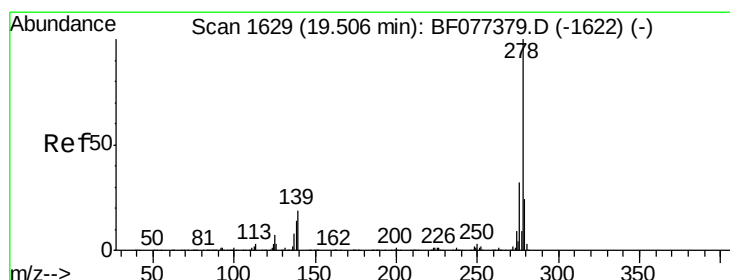
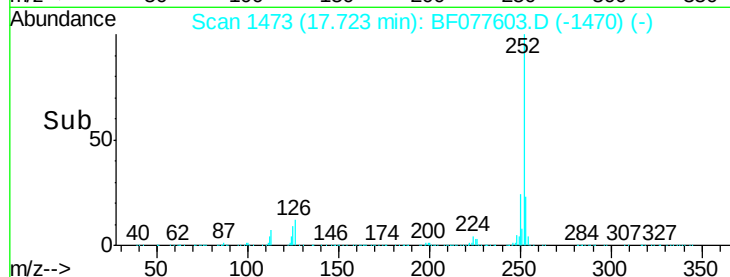
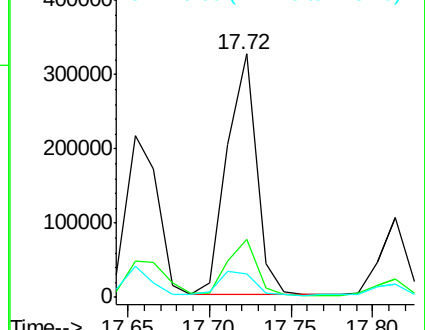
125 9.5 8.3 12.5



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



#90

Dibenzo(a,h)anthracene

Concen: 5.04 ng

RT: 19.22 min Scan# 1604

Delta R.T. -0.09 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

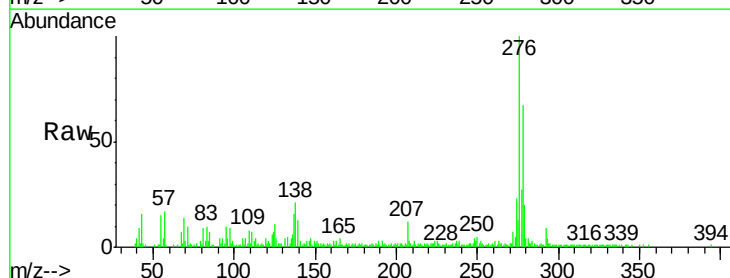
Tgt Ion:278 Resp: 72389

Ion Ratio Lower Upper

278 100

139 19.0 14.3 21.5

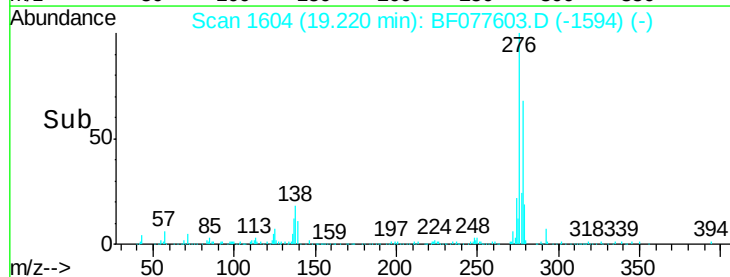
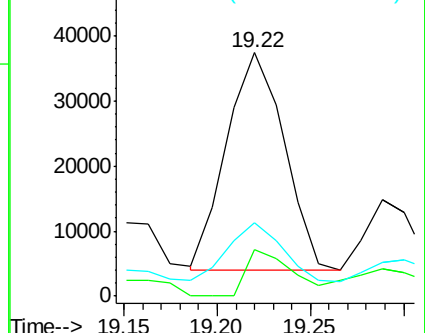
279 30.1 19.0 28.6#

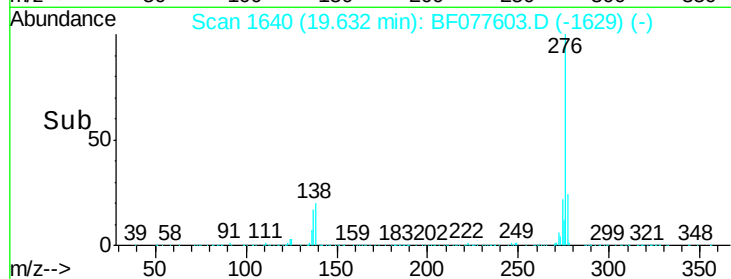
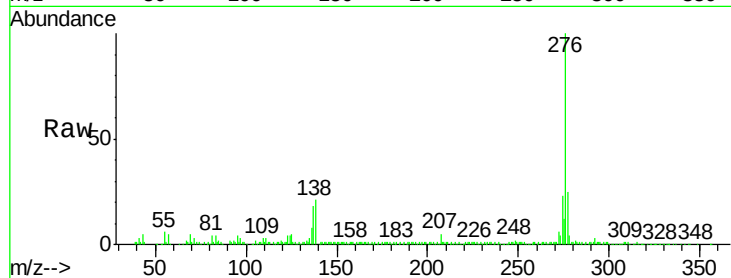
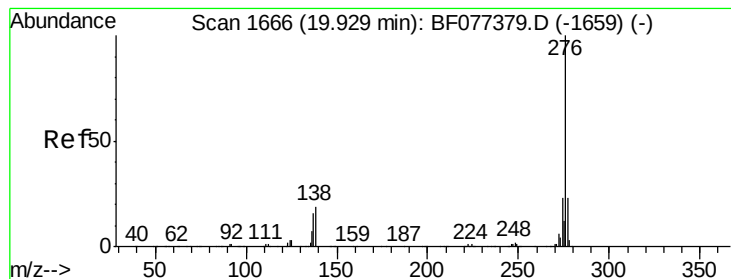


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 22.76 ng

RT: 19.63 min Scan# 1640

Delta R.T. -0.08 min

Lab File: BF077603.D

Acq: 5 Mar 2015 4:01

Instrument :

BNA_F

ClientSampleId :

SB8

Tgt Ion:276 Resp: 329939

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 20.7 20.5 30.7

