

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033115\
 Data File : BF078146.D
 Acq On : 1 Apr 2015 8:21
 Operator : TP/IZ
 Sample : G1711-01
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB1

Quant Time: Apr 01 12:42:46 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 31 14:58:34 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	44975	20.00	ng	0.00
21) Naphthalene-d8	8.62	136	176008	20.00	ng	0.00
38) Acenaphthene-d10	10.79	164	83710	20.00	ng	-0.01
63) Phenanthrene-d10	12.63	188	154624	20.00	ng	0.00
75) Chrysene-d12	15.91	240	146058m	20.00	ng	-0.08
86) Perylene-d12	17.63	264	159291m	20.00	ng	-0.27

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	242326	94.05	ng	-0.01
7) Phenol-d6	6.64	99	321146	100.88	ng	0.00
23) Nitrobenzene-d5	7.74	82	193608	72.11	ng	0.00
41) 2,4,6-Tribromophenol	11.77	330	64293	80.27	ng	-0.01
44) 2-Fluorobiphenyl	9.97	172	377091	66.20	ng	0.00
78) Terphenyl-d14	14.63	244	359275	60.09	ng	-0.01

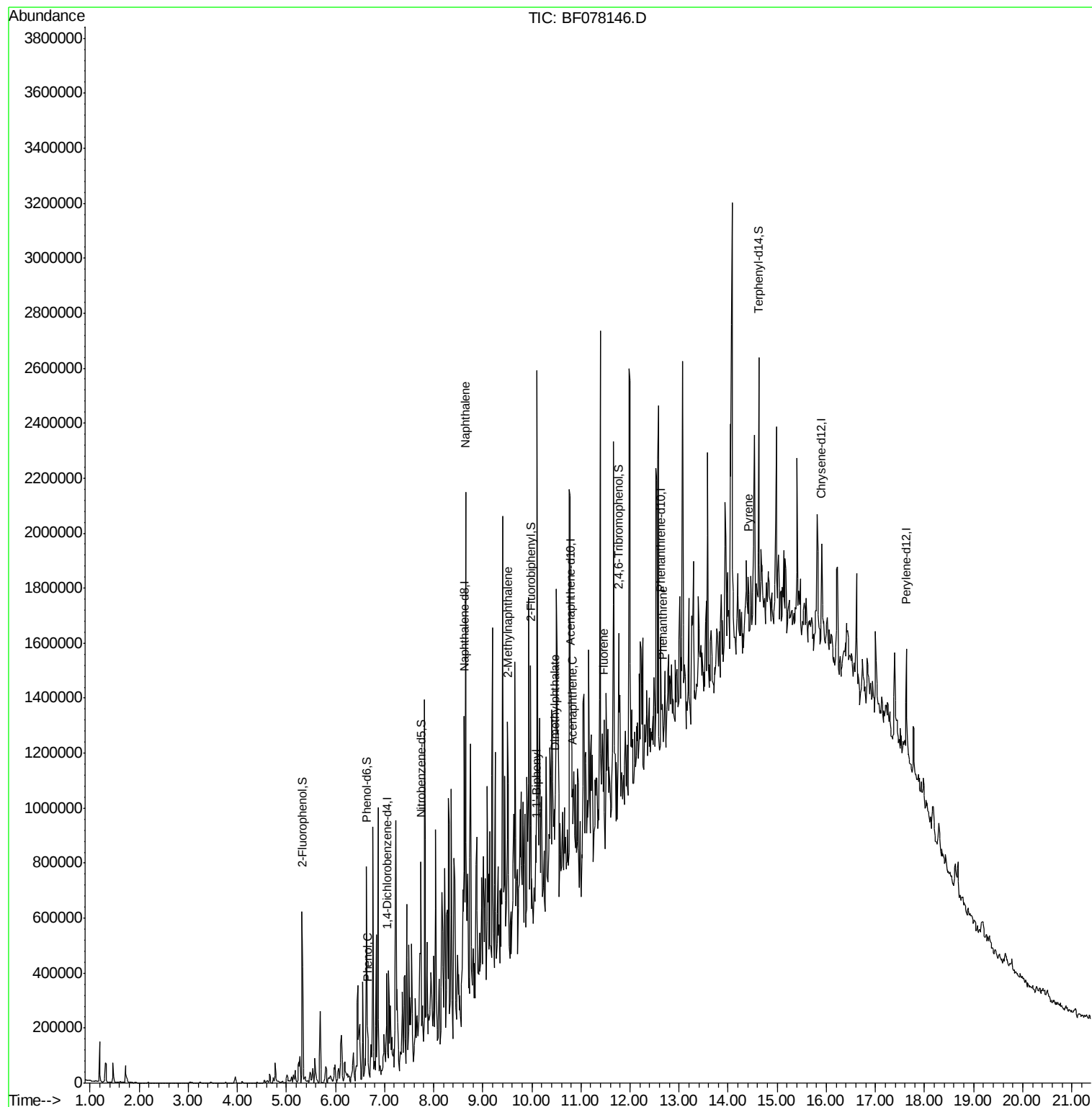
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.65	94	8442	2.24	ng	# 76
31) Naphthalene	8.65	128	157014	17.37	ng	# 94
37) 2-Methylnaphthalene	9.50	142	226890	37.36	ng	96
45) 1,1'-Biphenyl	10.09	154	34657	5.18	ng	94
49) Dimethylphthalate	10.48	163	59827	9.64	ng	# 95
51) Acenaphthene	10.83	154	13626	2.63	ng	# 92
57) Fluorene	11.47	166	35671m	5.59	ng	
70) Phenanthrene	12.66	178	115582	13.02	ng	# 94
77) Pyrene	14.41	202	69843	7.60	ng	# 89

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

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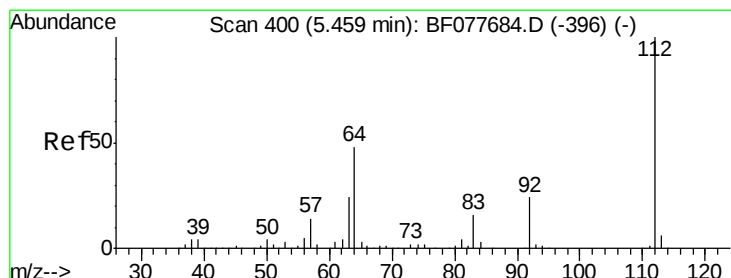
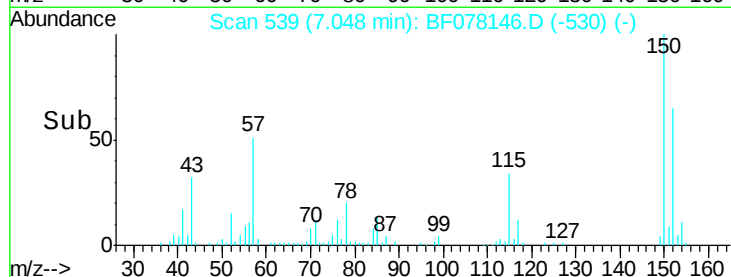
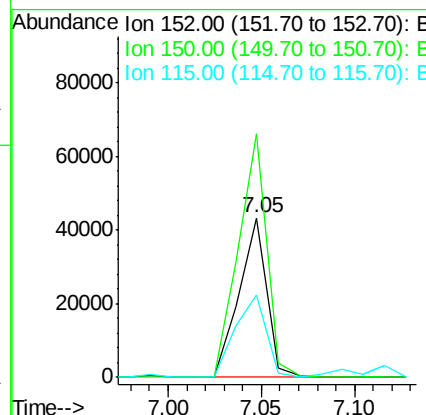
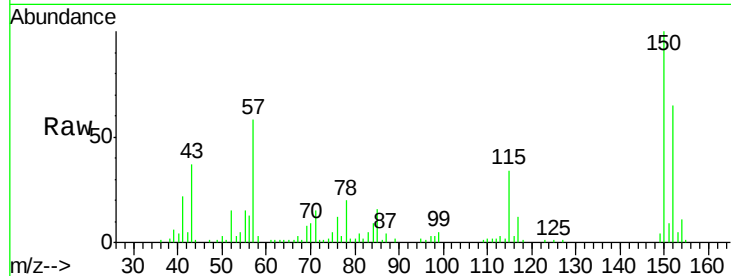


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.05 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078146.D
Acq: 1 Apr 2015 8:21

Instrument :
BNA_F
ClientSampled :
SB1

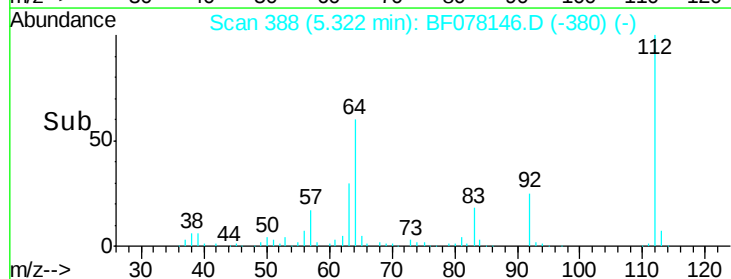
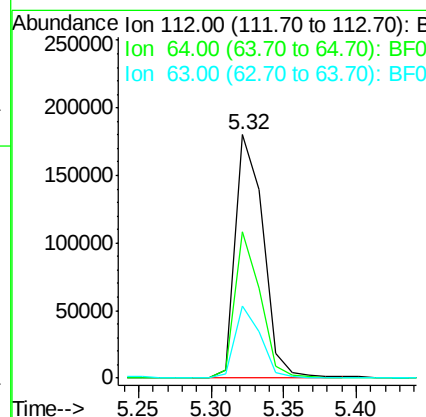
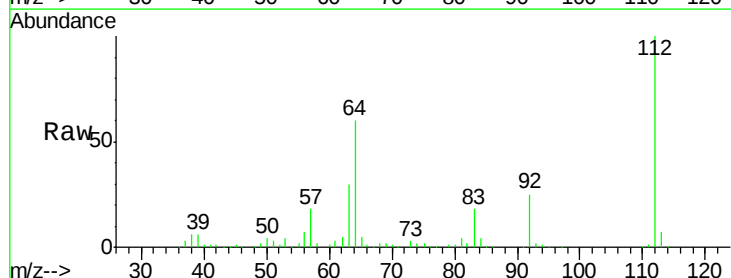
Tot Ion:152 Resp: 44975
Ion Ratio Lower Upper
152 100
150 152.7 119.5 179.3
115 51.6 43.0 64.4

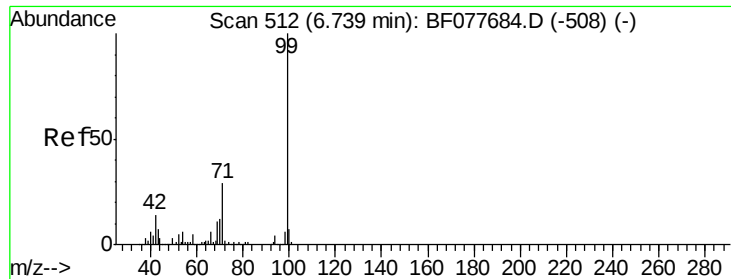


#5

2-Fluorophenol
Concen: 94.05 ng
RT: 5.32 min Scan# 388
Delta R.T. -0.01 min
Lab File: BF078146.D
Acq: 1 Apr 2015 8:21

Tgt Ion:112 Resp: 242326
Ion Ratio Lower Upper
112 100
64 59.9 38.6 57.8#
63 29.6 19.3 28.9#





#7

Phenol-d6

Concen: 100.88 ng

RT: 6.64 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

Instrument :

BNA_F

ClientSampleId :

SB1

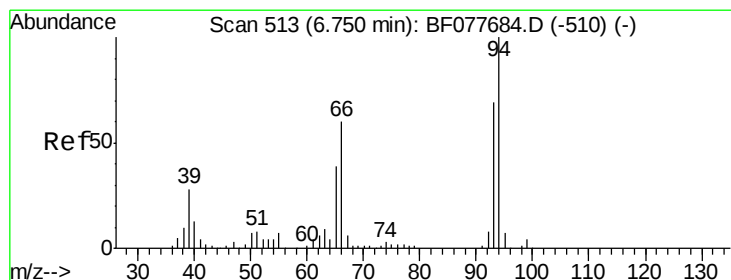
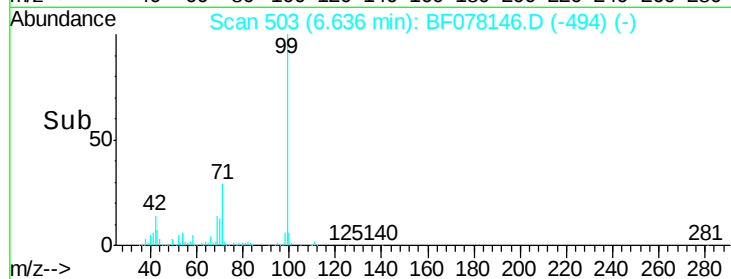
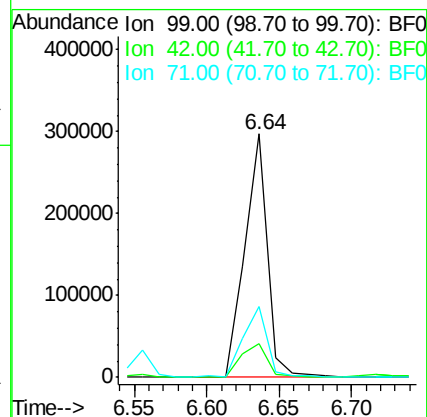
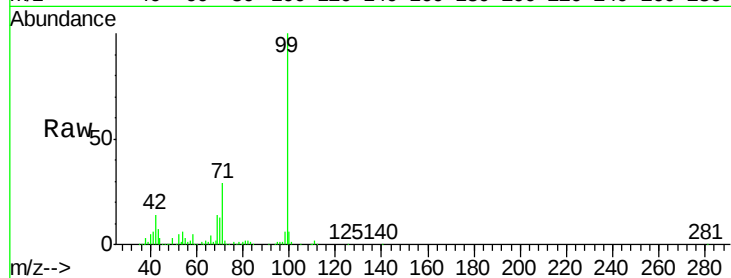
Tot Ion: 99 Resp: 321146

Ion Ratio Lower Upper

99 100

42 13.8 11.0 16.4

71 28.9 23.4 35.2



#10

Phenol

Concen: 2.24 ng

RT: 6.65 min Scan# 504

Delta R.T. -0.01 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

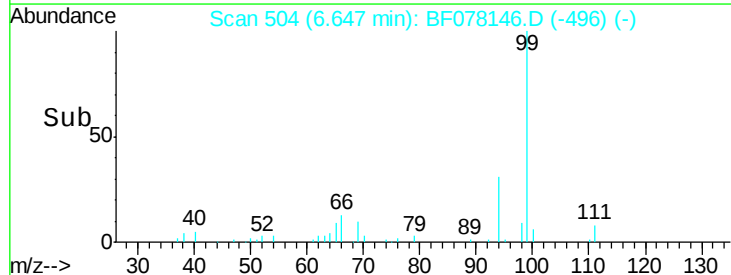
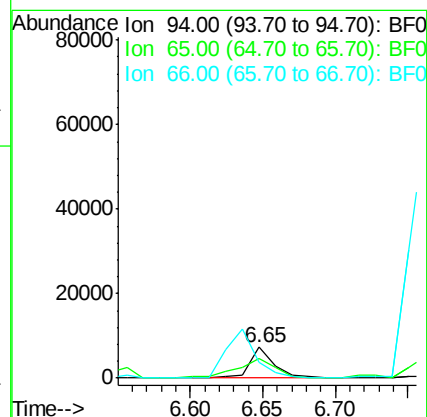
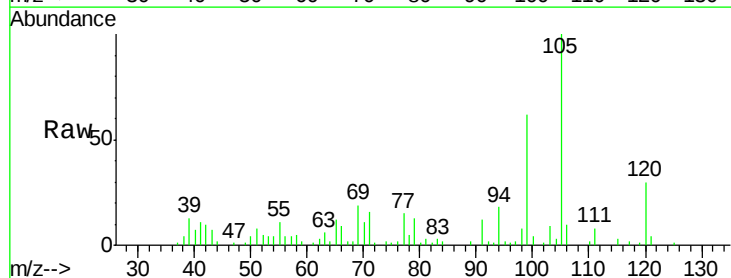
Tgt Ion: 94 Resp: 8442

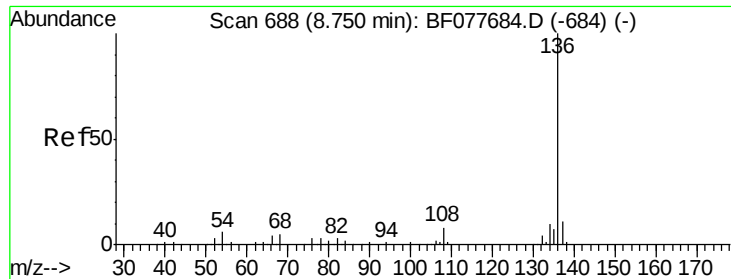
Ion Ratio Lower Upper

94 100

65 63.8 18.8 58.8#

66 50.1 39.9 79.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.62 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

Instrument :

BNA_F

ClientSampleId :

SB1

Tot Ion:136 Resp: 176008

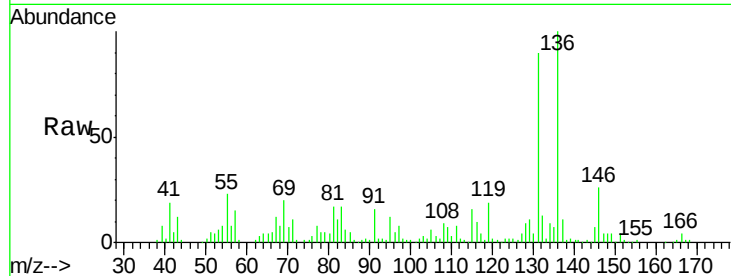
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.2 4.6 6.8#

68 7.9 3.7 5.5#

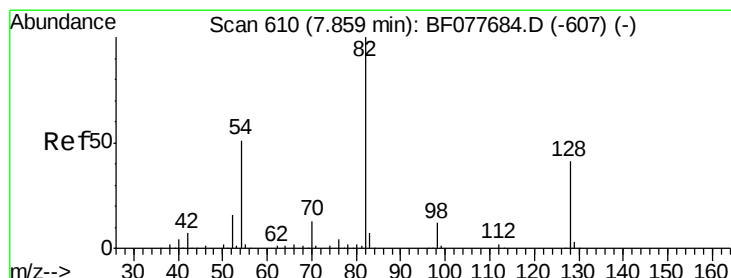
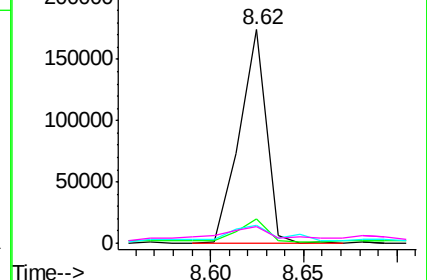
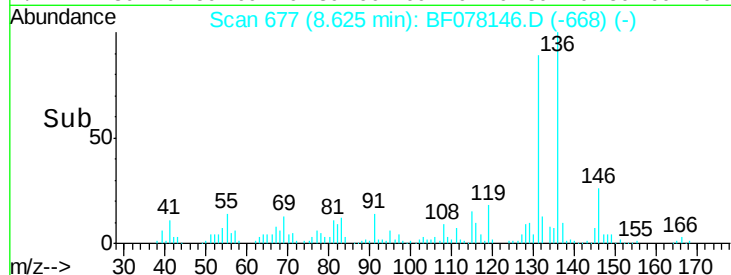


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.11 ng

RT: 7.74 min Scan# 600

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

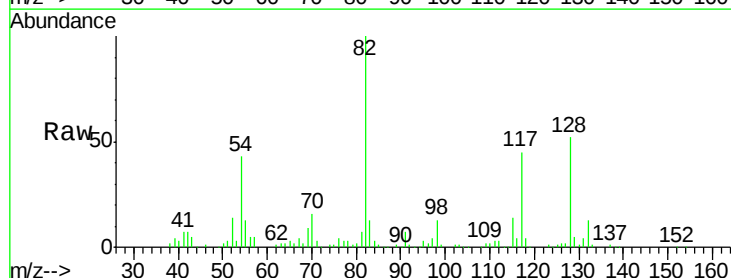
Tgt Ion: 82 Resp: 193608

Ion Ratio Lower Upper

82 100

128 52.5 32.8 49.2#

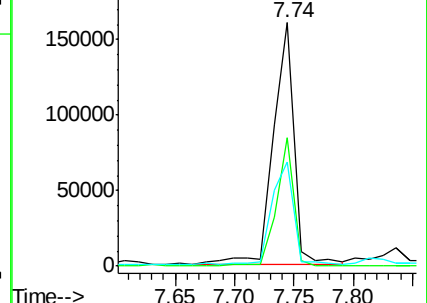
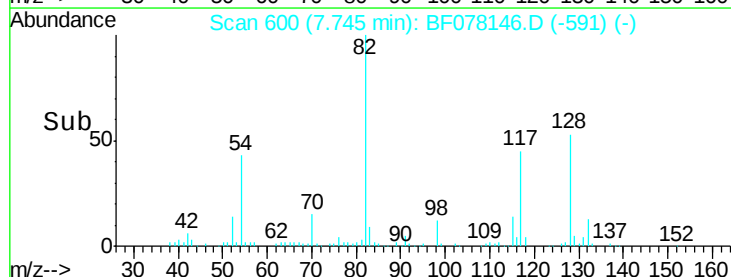
54 42.8 40.6 60.8

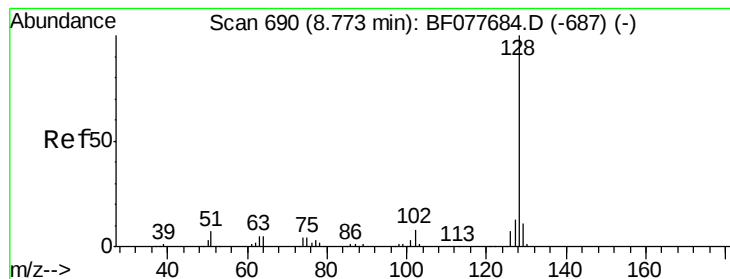


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 17.37 ng

RT: 8.65 min Scan# 679

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

Instrument :

BNA_F

ClientSampleId :

SB1

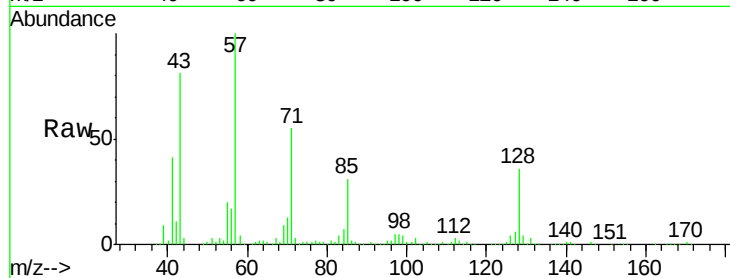
Tot Ion:128 Resp: 157014

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

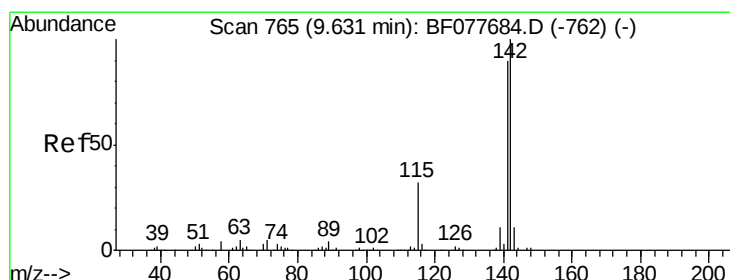
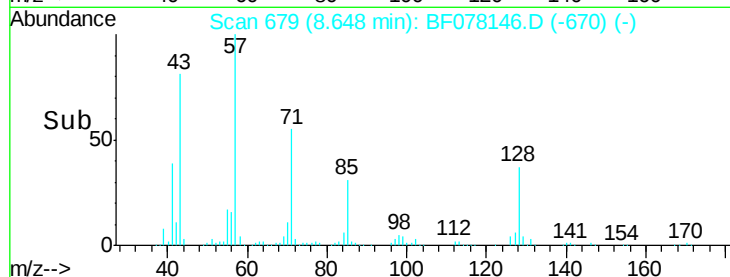
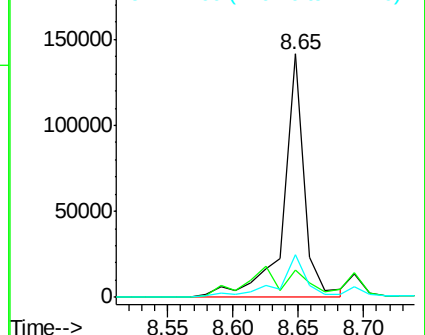
127 17.3 10.4 15.6#



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



#37

2-Methylnaphthalene

Concen: 37.36 ng

RT: 9.50 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

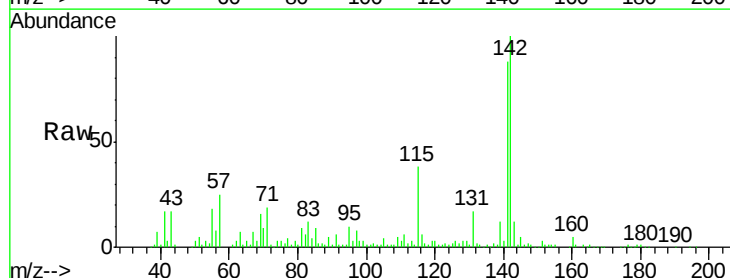
Tgt Ion:142 Resp: 226890

Ion Ratio Lower Upper

142 100

141 87.9 71.9 107.9

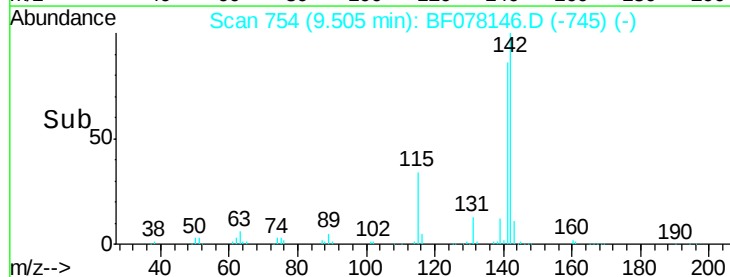
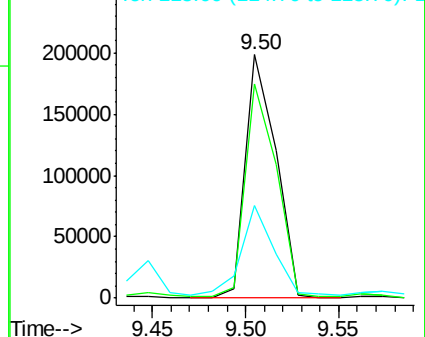
115 37.9 25.4 38.0

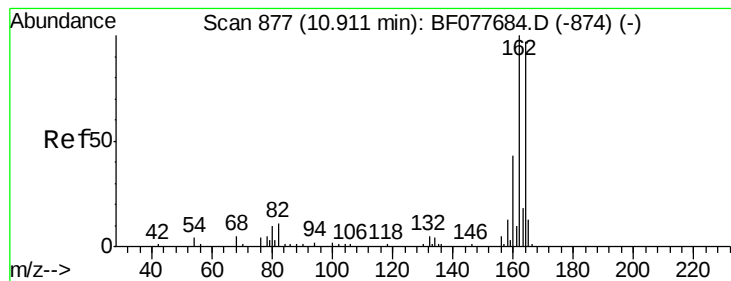


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.79 min Scan# 866

Delta R.T. -0.01 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

Instrument :

BNA_F

ClientSampleId :

SB1

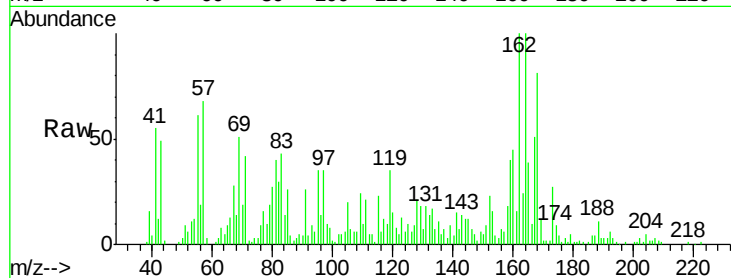
Tot Ion:164 Resp: 83710

Ion Ratio Lower Upper

164 100

162 99.8 82.4 123.6

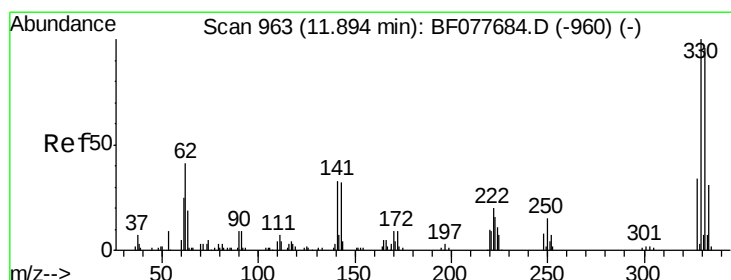
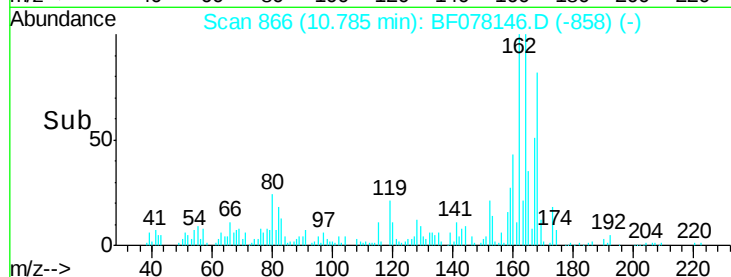
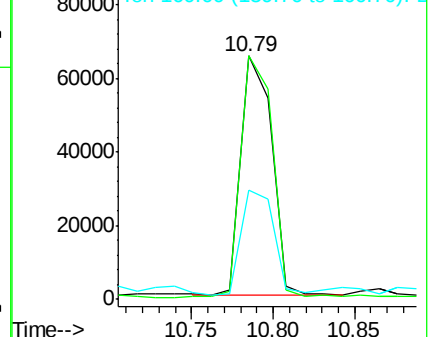
160 44.7 35.8 53.6



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: 80.27 ng

RT: 11.77 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

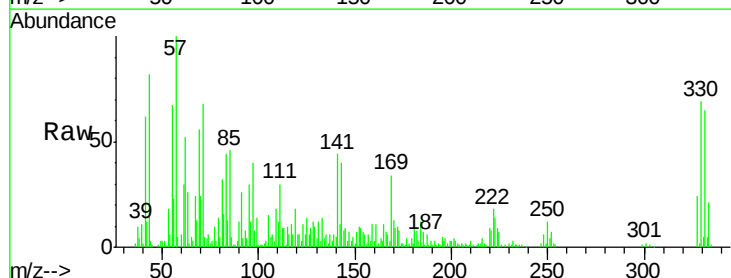
Tgt Ion:330 Resp: 64293

Ion Ratio Lower Upper

330 100

332 97.1 0.0 0.0#

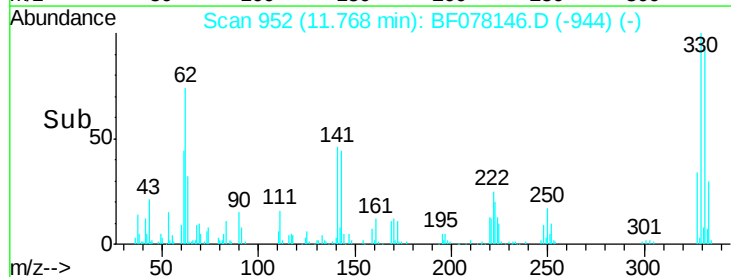
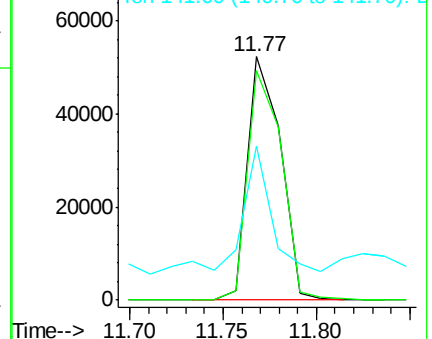
141 50.5 0.0 0.0#

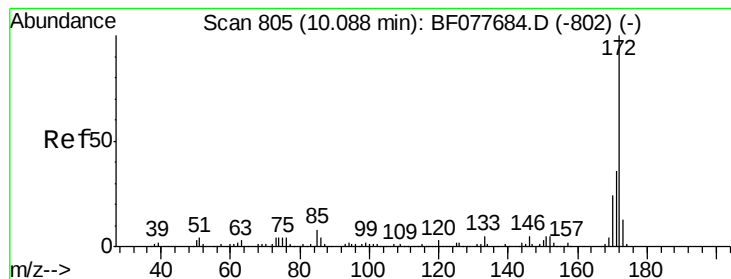


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

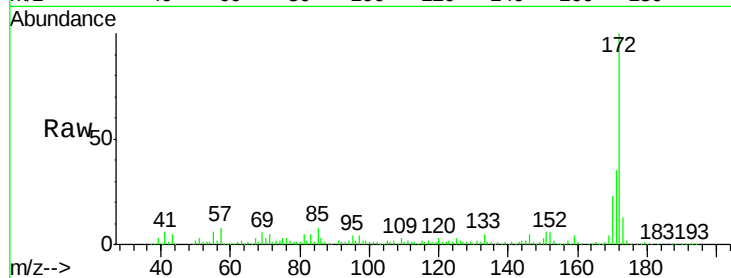




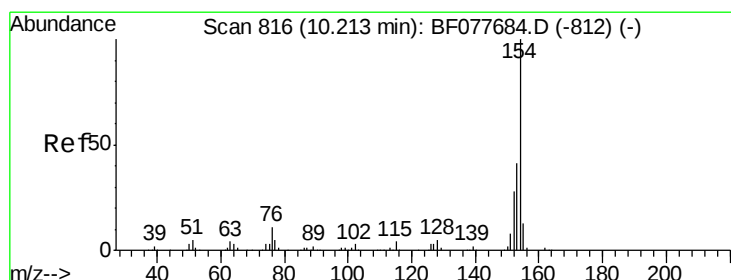
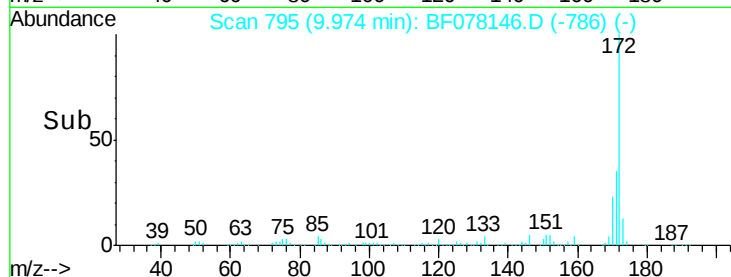
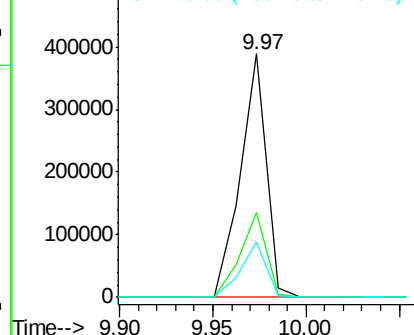
#44
2-Fluorobiphenyl
Concen: 66.20 ng
RT: 9.97 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078146.D
Acq: 1 Apr 2015 8:21

Instrument :
BNA_F
ClientSampleId :
SB1

Tot Ion:172 Resp: 377091
Ion Ratio Lower Upper
172 100
171 34.9 28.5 42.7
170 22.9 18.8 28.2

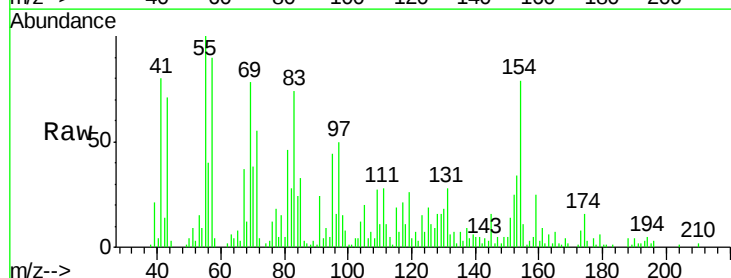


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

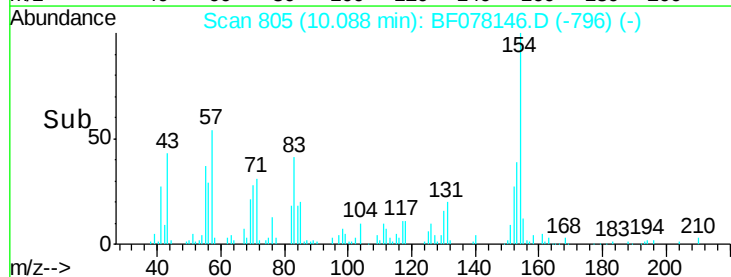
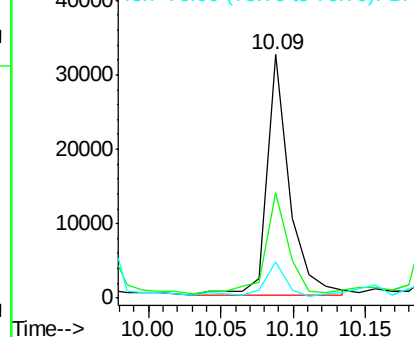


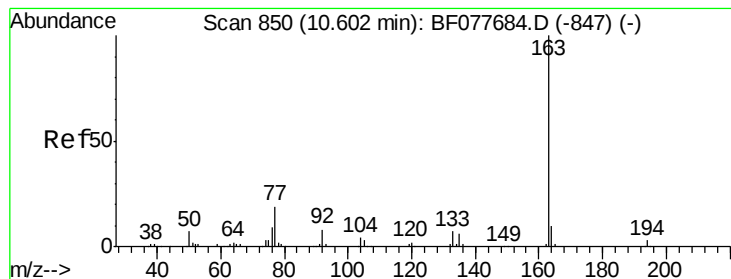
#45
1,1'-Biphenyl
Concen: 5.18 ng
RT: 10.09 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF078146.D
Acq: 1 Apr 2015 8:21

Tgt Ion:154 Resp: 34657
Ion Ratio Lower Upper
154 100
153 43.3 20.7 60.7
76 15.1 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





#49

Dimethylphthalate

Concen: 9.64 ng

RT: 10.48 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

Instrument :

BNA_F

ClientSampleId :

SB1

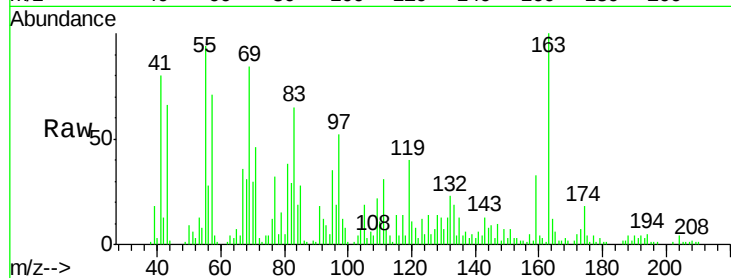
Tot Ion:163 Resp: 59827

Ion Ratio Lower Upper

163 100

194 4.9 2.7 4.1#

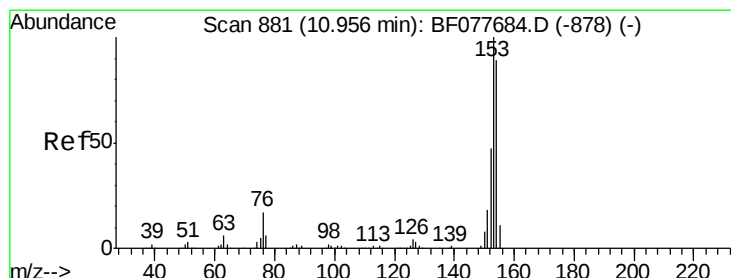
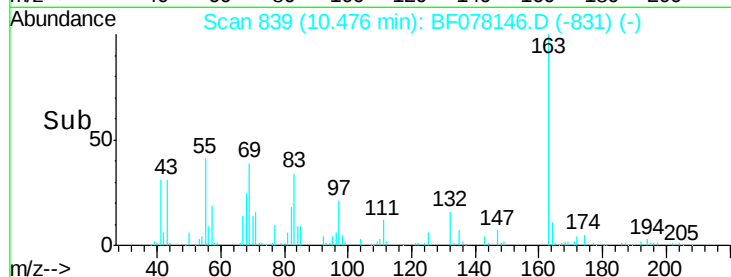
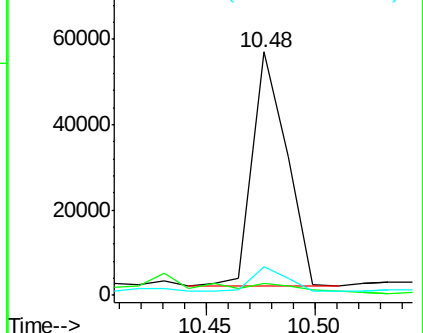
164 12.0 8.2 12.2



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



#51

Acenaphthene

Concen: 2.63 ng

RT: 10.83 min Scan# 870

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

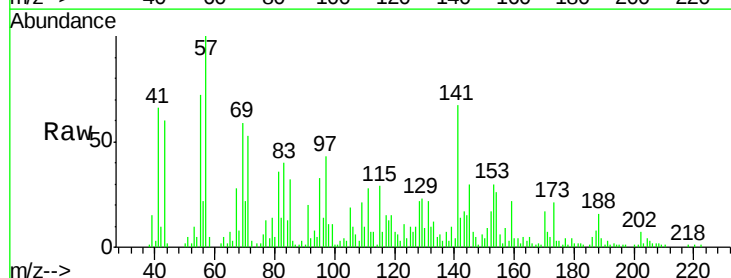
Tgt Ion:154 Resp: 13626

Ion Ratio Lower Upper

154 100

153 116.5 90.0 135.0

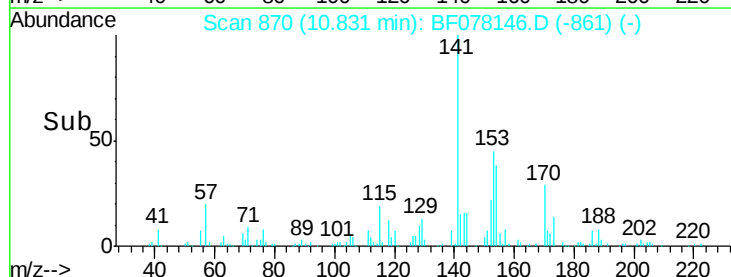
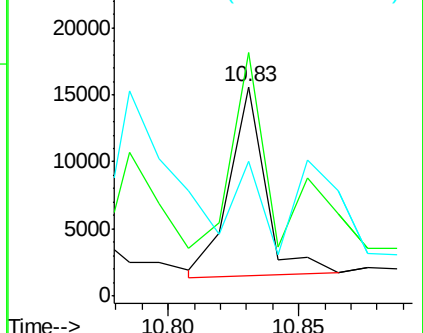
152 64.6 42.6 63.8#

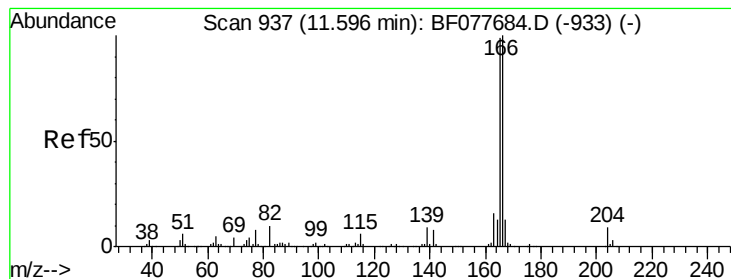


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 5.59 ng/mL

RT: 11.47 min Scan# 926

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

Instrument :

BNA_F

ClientSampled :

SB1

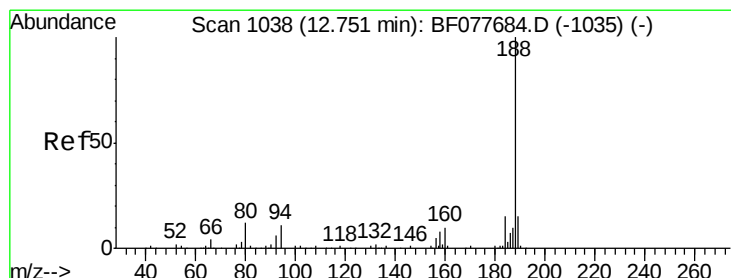
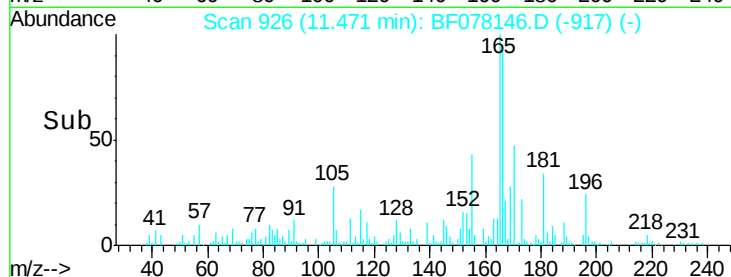
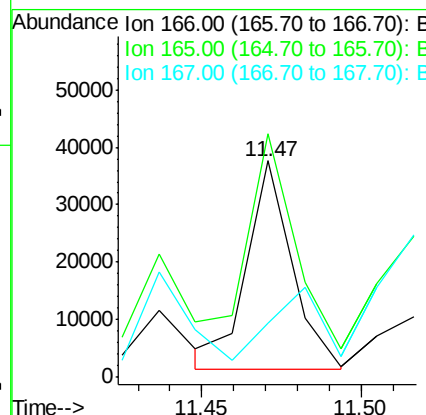
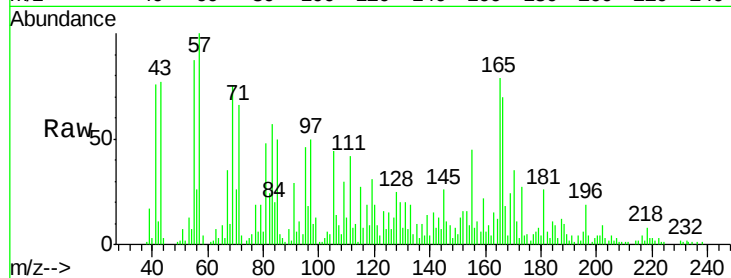
Tot Ion:166 Resp: 35671

Ion Ratio Lower Upper

166 100

165 112.6 79.0 118.4

167 25.1 10.3 15.5#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.63 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

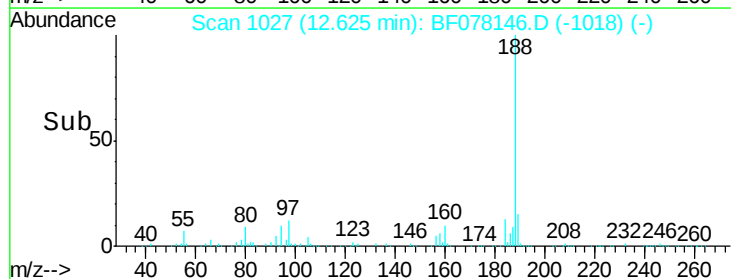
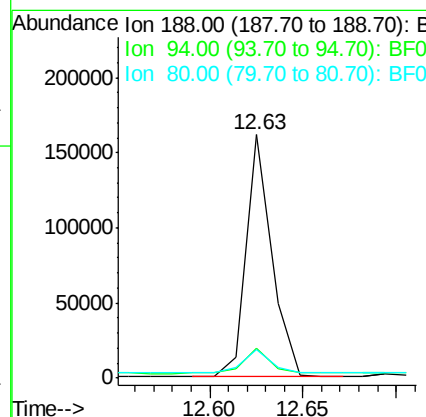
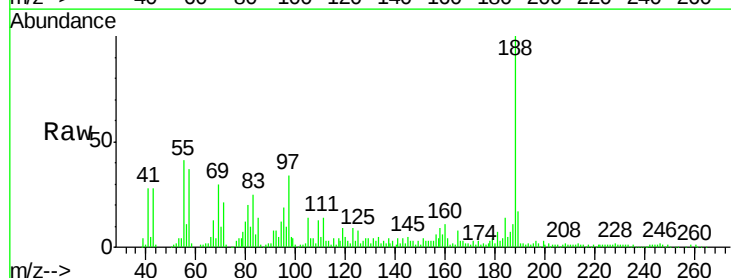
Tgt Ion:188 Resp: 154624

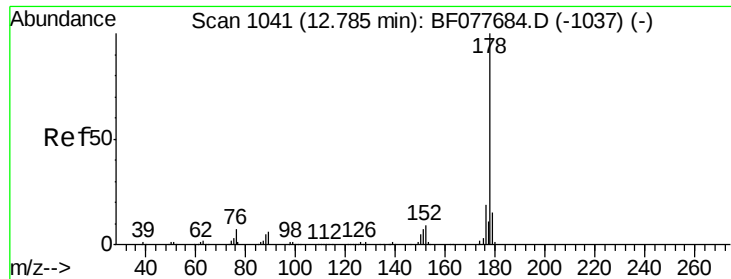
Ion Ratio Lower Upper

188 100

94 12.0 8.7 13.1

80 11.8 9.3 13.9





#70

Phenanthrene

Concen: 13.02 ng

RT: 12.66 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

Instrument :

BNA_F

ClientSampled :

SB1

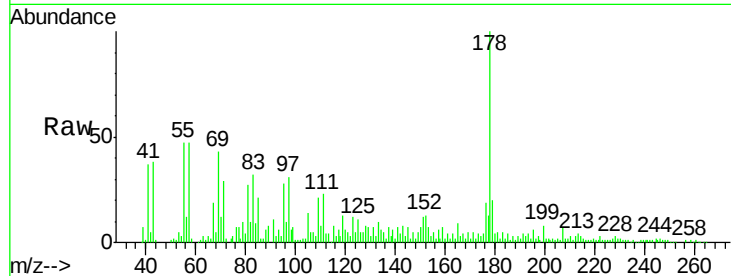
Tot Ion:178 Resp: 115582

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

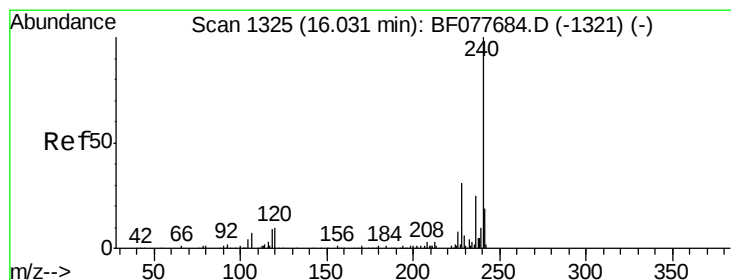
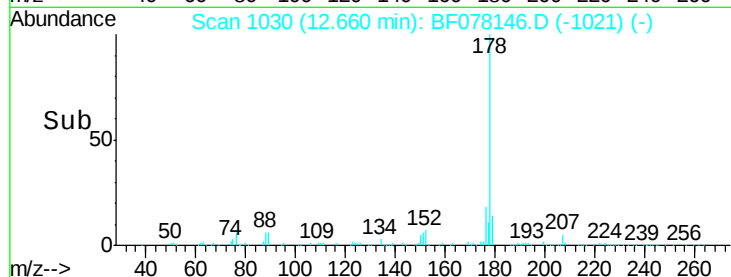
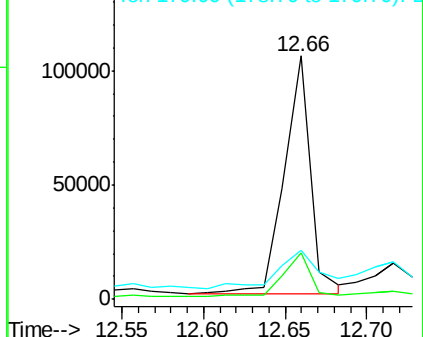
179 20.3 12.1 18.1#



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



#75

Chrysene-d12

Concen: 20.00 ng m

RT: 15.91 min Scan# 1314

Delta R.T. -0.08 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

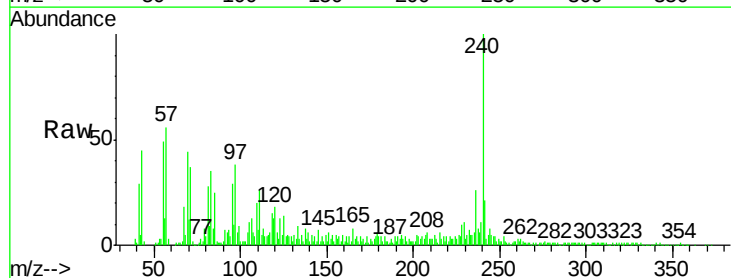
Tgt Ion:240 Resp: 146058

Ion Ratio Lower Upper

240 100

120 18.4 8.2 12.2#

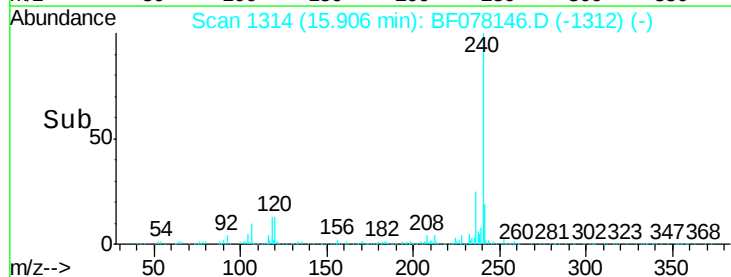
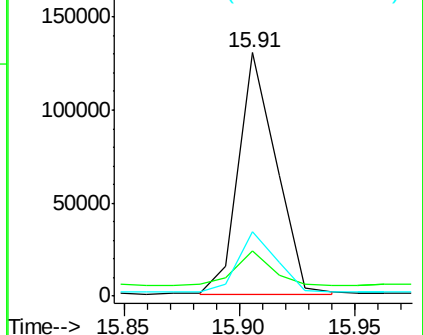
236 26.4 20.0 30.0

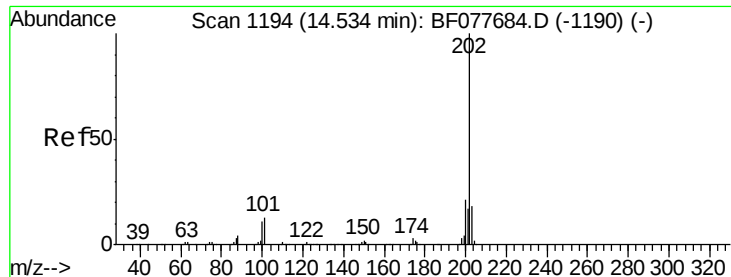


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 7.60 ng

RT: 14.41 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

Instrument :

BNA_F

ClientSampleId :

SB1

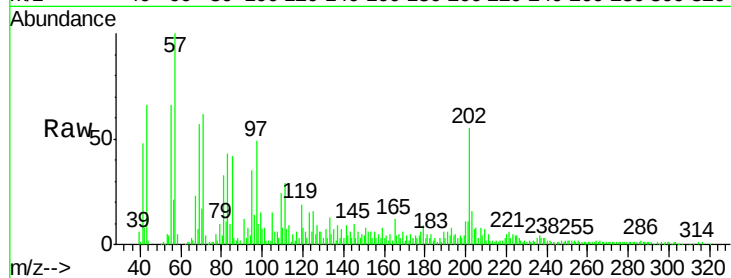
Tot Ion:202 Resp: 69843

Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

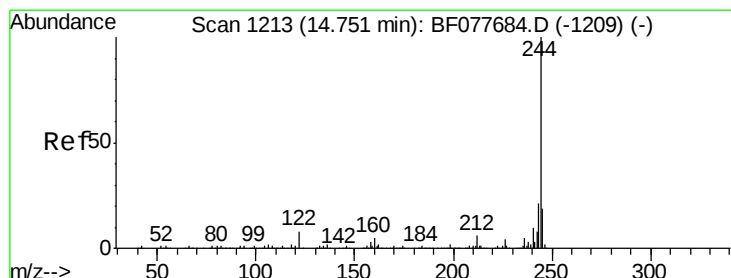
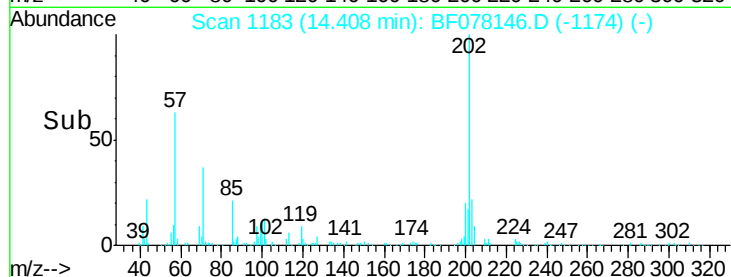
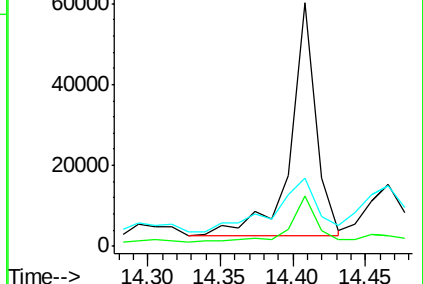
203 28.2 14.1 21.1#



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: 60.09 ng

RT: 14.63 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF078146.D

Acq: 1 Apr 2015 8:21

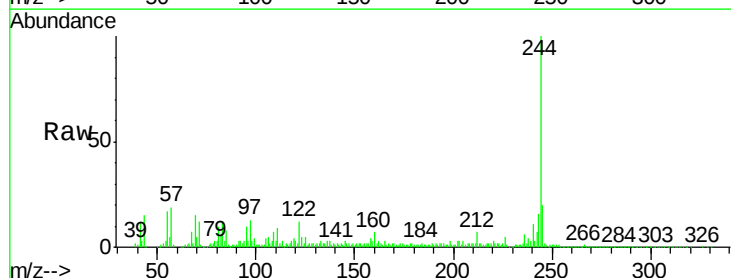
Tgt Ion:244 Resp: 359275

Ion Ratio Lower Upper

244 100

212 7.3 4.9 7.3

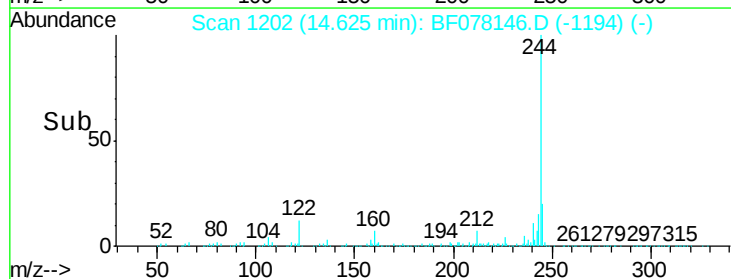
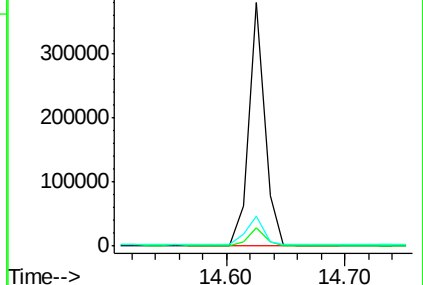
122 12.2 6.2 9.4#

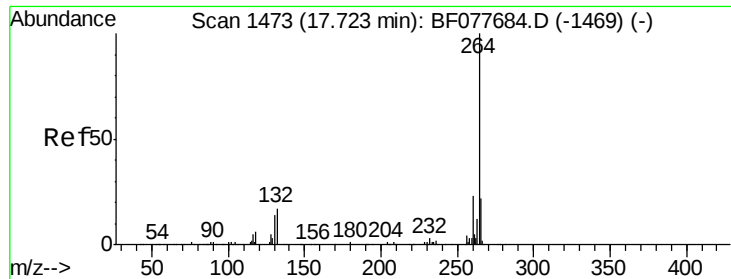


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

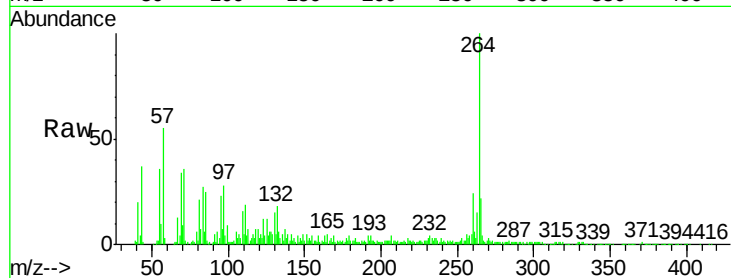




#86
Pervlene-d12
Concen: 20.00 ng/ml
RT: 17.63 min Scan# 1465
Delta R.T. -0.27 min
Lab File: BF078146.D
Acq: 1 Apr 2015 8:21

Instrument :
BNA_F
ClientSampleId :
SB1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	22.1	17.3	25.9



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

