

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033015\
 Data File : BF078106.D
 Acq On : 31 Mar 2015 6:03
 Operator : TP/IZ
 Sample : G1677-09DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Quant Time: Mar 31 06:59:32 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 28 05:37:34 2015
 Response via : Initial Calibration

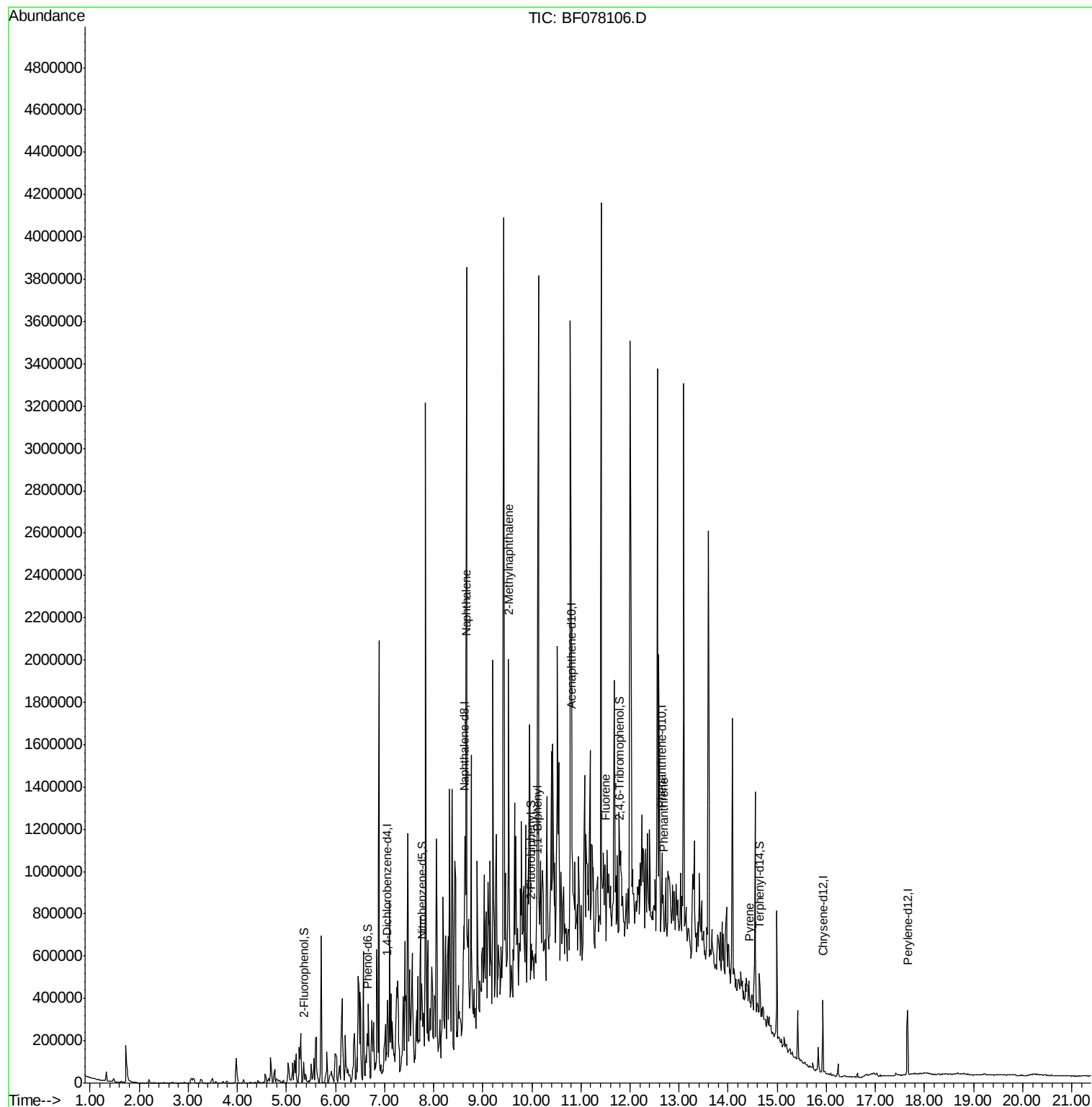
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.06	152	34698	20.00	ng	-0.01
21) Naphthalene-d8	8.64	136	133001	20.00	ng	-0.01
38) Acenaphthene-d10	10.81	164	68623	20.00	ng	-0.01
63) Phenanthrene-d10	12.65	188	129108	20.00	ng	-0.01
75) Chrysene-d12	15.93	240	151417	20.00	ng	0.00
86) Perylene-d12	17.65	264	150933	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	44910	22.59	ng	-0.01
7) Phenol-d6	6.65	99	57373	23.36	ng	-0.02
23) Nitrobenzene-d5	7.76	82	50355	24.82	ng	-0.02
41) 2,4,6-Tribromophenol	11.79	330	11532	17.56	ng	-0.01
44) 2-Fluorobiphenyl	9.98	172	73416	15.72	ng	-0.01
78) Terphenyl-d14	14.64	244	85890	13.86	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.66	128	188409	27.58	ng	# 94
37) 2-Methylnaphthalene	9.53	142	406775	88.64	ng	99
45) 1,1'-Biphenyl	10.11	154	94515	17.23	ng	97
57) Fluorene	11.49	166	61171	11.69	ng	# 84
70) Phenanthrene	12.68	178	134579	18.16	ng	# 96
77) Pyrene	14.43	202	28627	3.01	ng	# 92

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.06 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF078106.D

Acq: 31 Mar 2015 6:03

Instrument :

BNA_F

ClientSampleId :

DEL-3S-2(7.0-7.5)DL

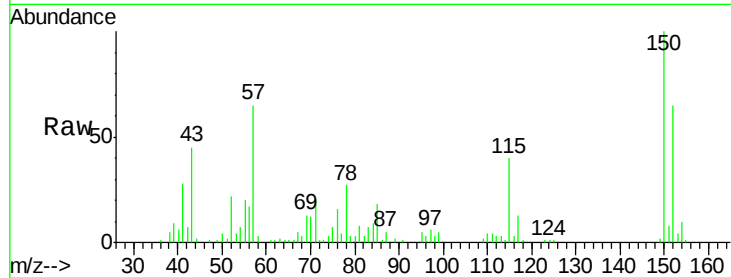
Tgt Ion:152 Resp: 34698

Ion Ratio Lower Upper

152 100

150 154.8 119.5 179.3

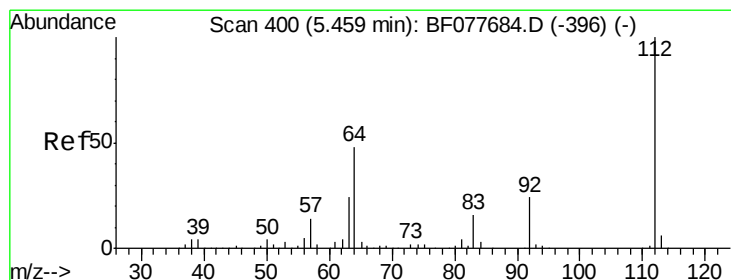
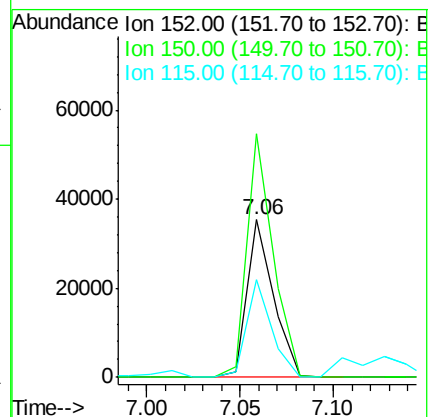
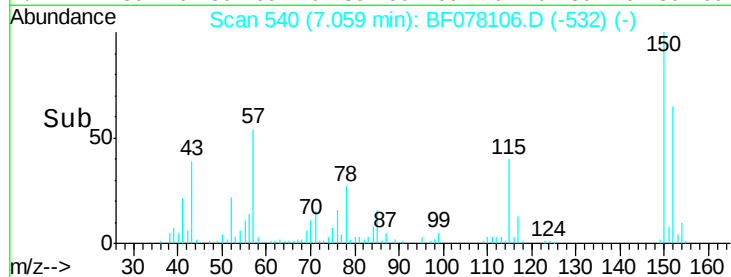
115 62.2 43.0 64.4



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: 22.59 ng

RT: 5.36 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF078106.D

Acq: 31 Mar 2015 6:03

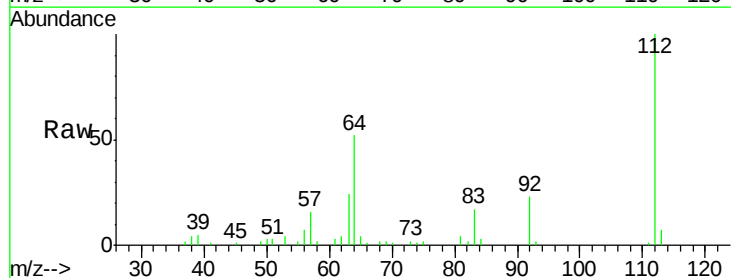
Tgt Ion:112 Resp: 44910

Ion Ratio Lower Upper

112 100

64 52.1 38.6 57.8

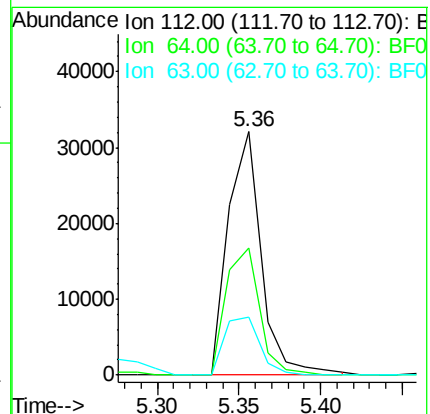
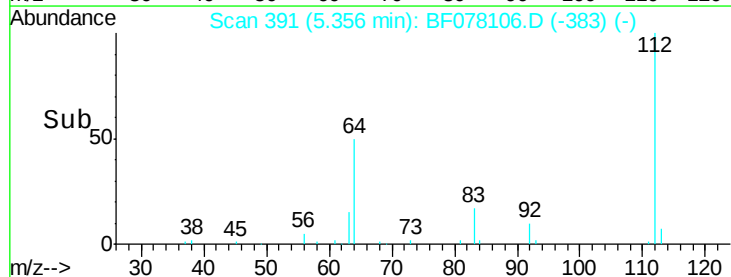
63 24.0 19.3 28.9

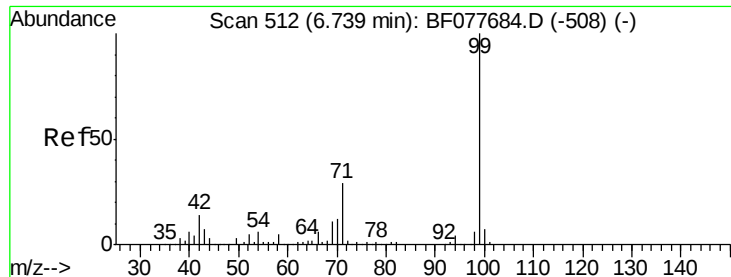


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.36 ng

RT: 6.65 min Scan# 504

Delta R.T. -0.02 min

Lab File: BF078106.D

Acq: 31 Mar 2015 6:03

Instrument :

BNA_F

ClientSampleId :

DEL-3S-2(7.0-7.5)DL

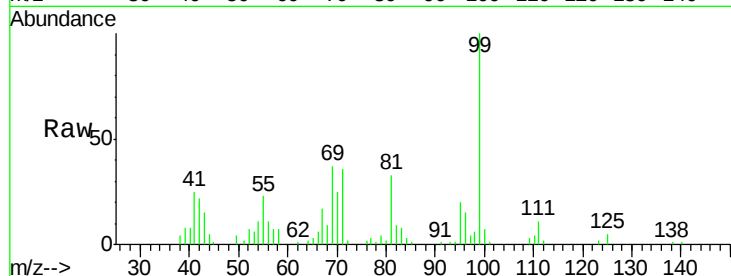
Tgt Ion: 99 Resp: 57373

Ion Ratio Lower Upper

99 100

42 22.1 11.0 16.4#

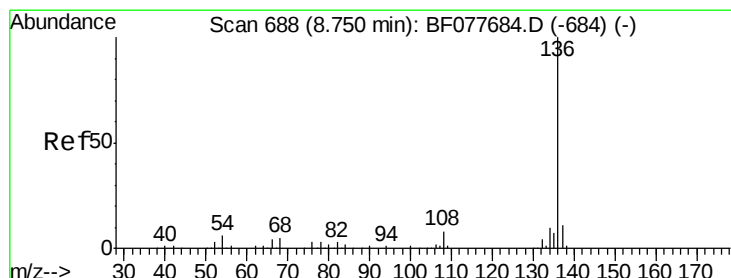
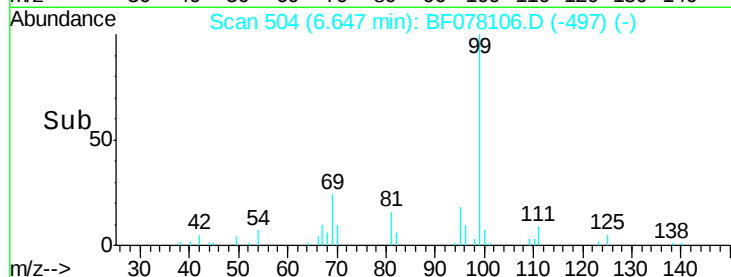
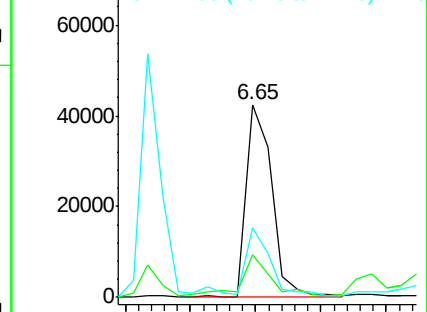
71 35.8 23.4 35.2#



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: 8.64 min Scan# 678

Delta R.T. -0.01 min

Lab File: BF078106.D

Acq: 31 Mar 2015 6:03

Tgt Ion: 136 Resp: 133001

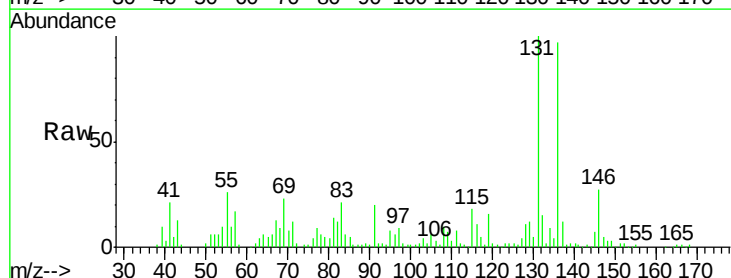
Ion Ratio Lower Upper

136 100

137 12.3 8.7 13.1

54 10.6 4.6 6.8#

68 9.4 3.7 5.5#

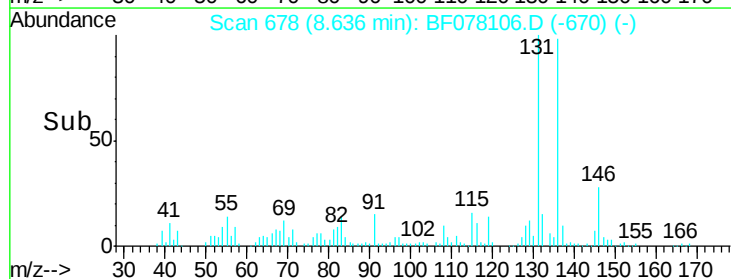
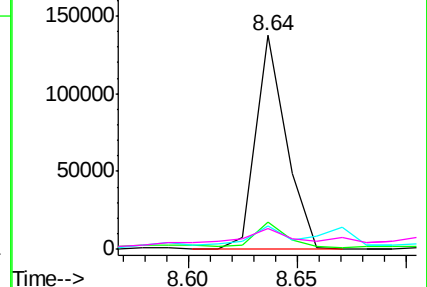


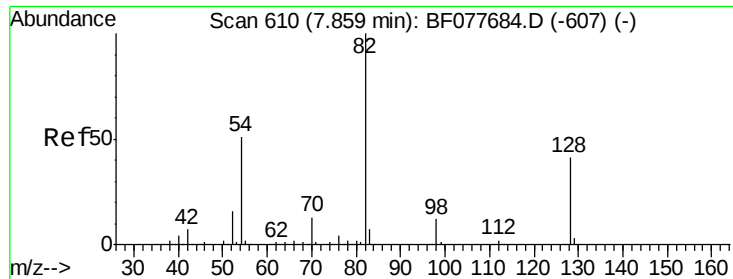
Abundance Ion 136.00 (135.70 to 136.70): E

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

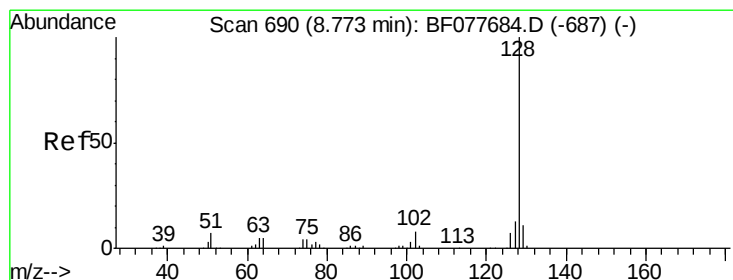
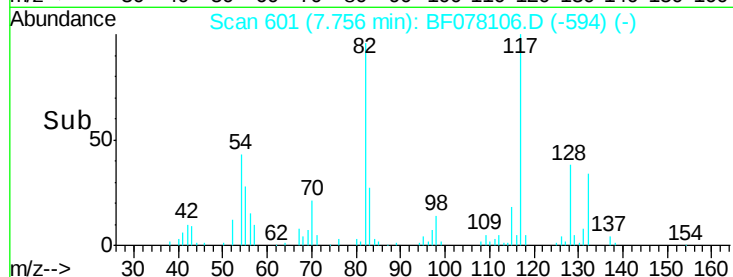
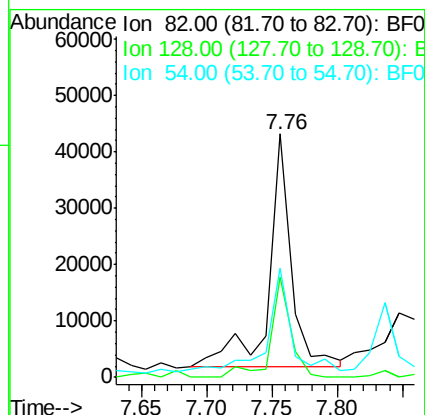
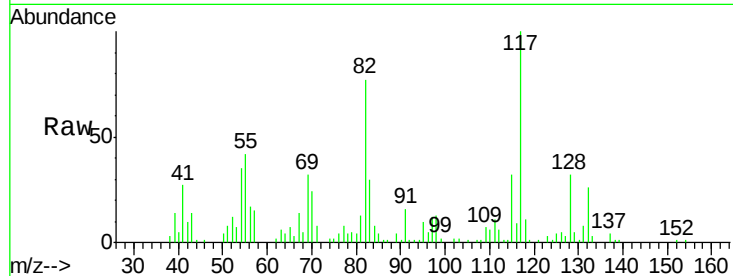




#23
 Nitrobenzene-d5
 Concen: 24.82 ng
 RT: 7.76 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

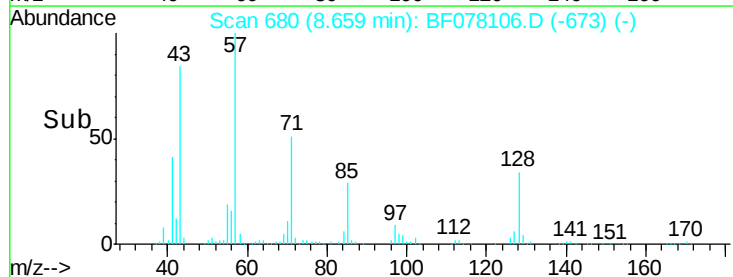
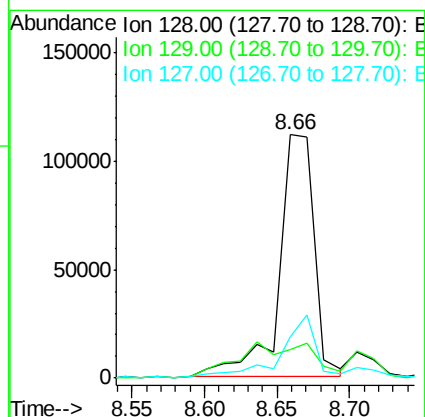
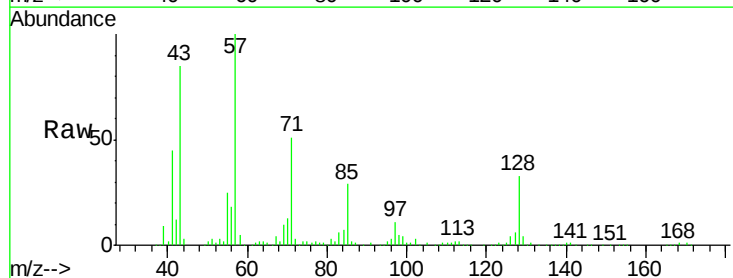
Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

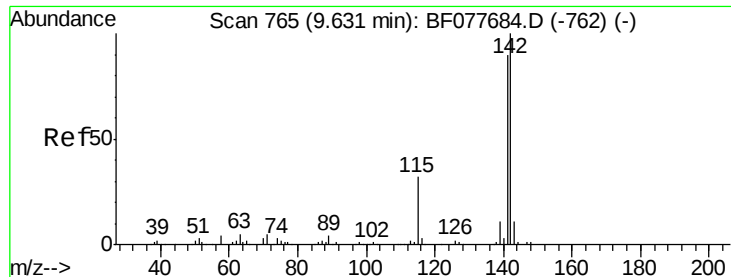
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.8	49.2
54	45.0	40.6	60.8



#31
 Naphthalene
 Concen: 27.58 ng
 RT: 8.66 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.9	13.3
127	16.9	10.4	15.6

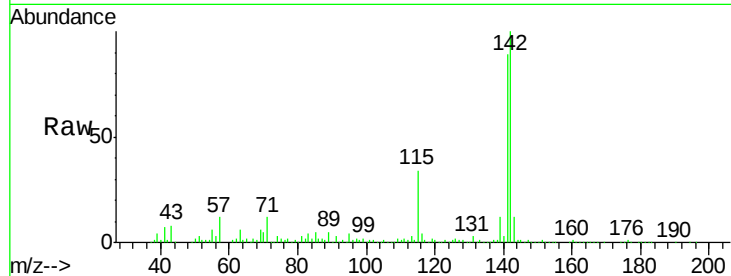




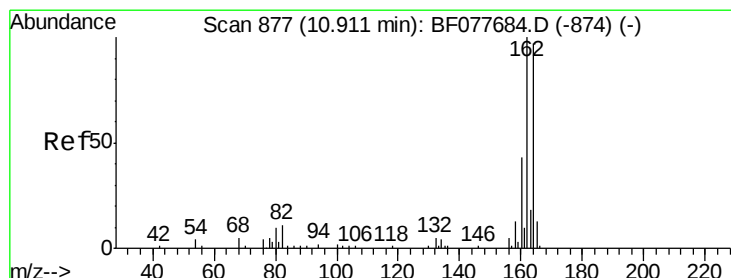
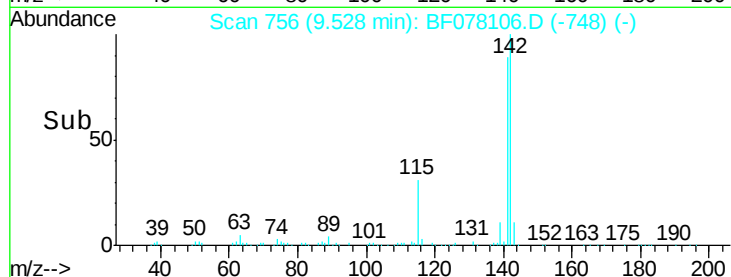
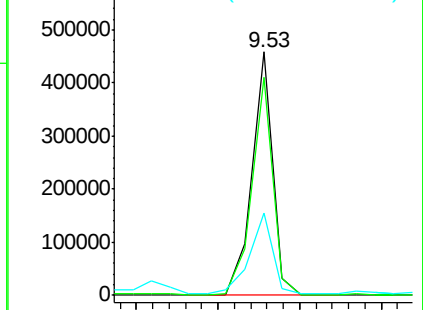
#37
 2-Methylnaphthalene
 Concen: 88.64 ng
 RT: 9.53 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Tgt Ion:142 Resp: 406775
 Ion Ratio Lower Upper
 142 100
 141 89.4 71.9 107.9
 115 33.8 25.4 38.0

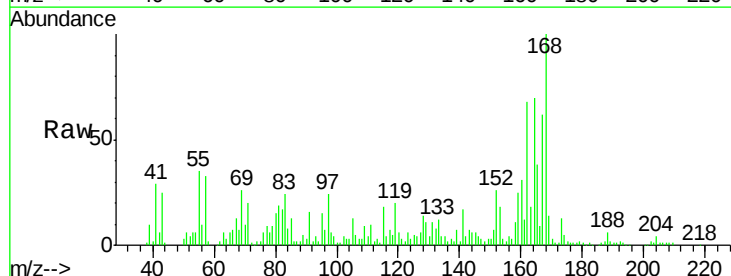


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

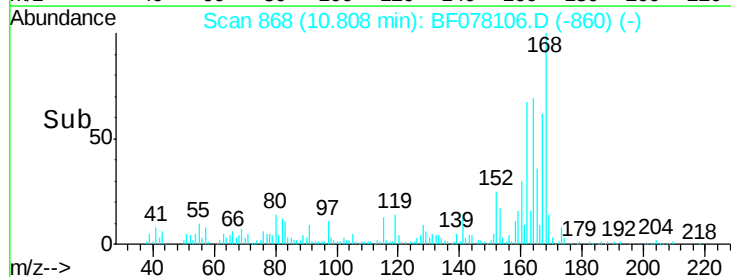
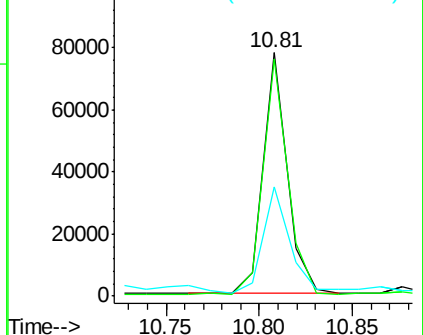


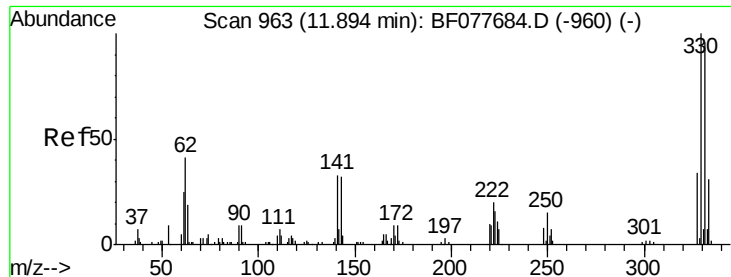
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.81 min Scan# 868
 Delta R.T. -0.01 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Tgt Ion:164 Resp: 68623
 Ion Ratio Lower Upper
 164 100
 162 97.3 82.4 123.6
 160 44.8 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

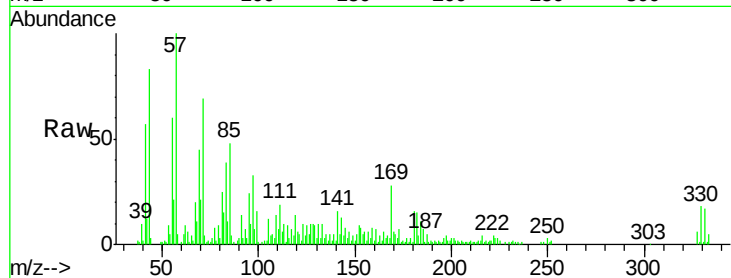




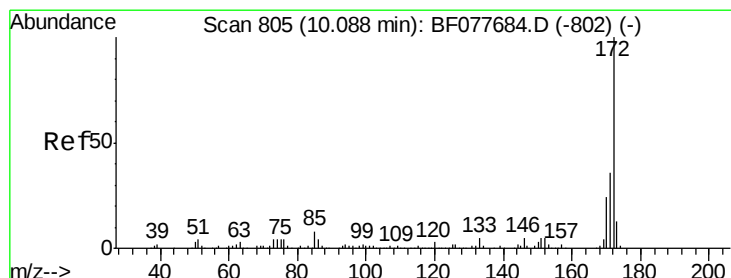
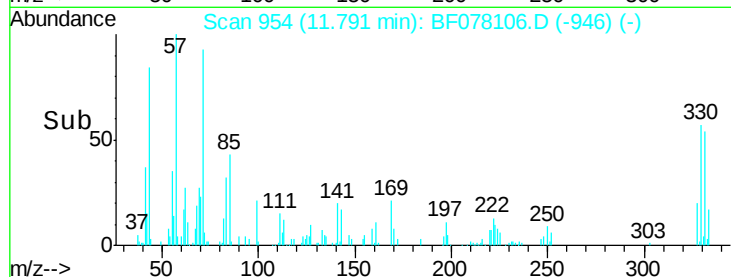
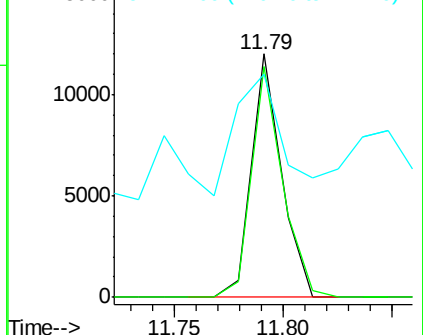
#41
 2,4,6-Tribromophenol
 Concen: 17.56 ng
 RT: 11.79 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Tgt Ion:330 Resp: 11532
 Ion Ratio Lower Upper
 330 100
 332 98.1 0.0 0.0#
 141 76.9 0.0 0.0#

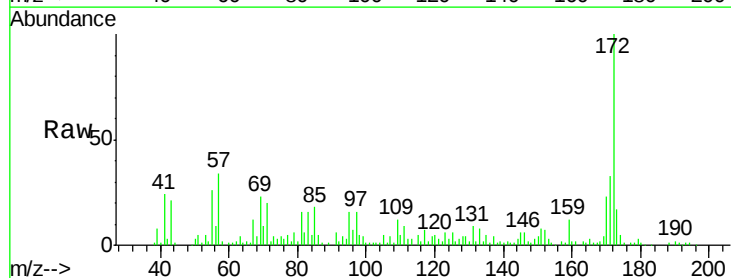


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

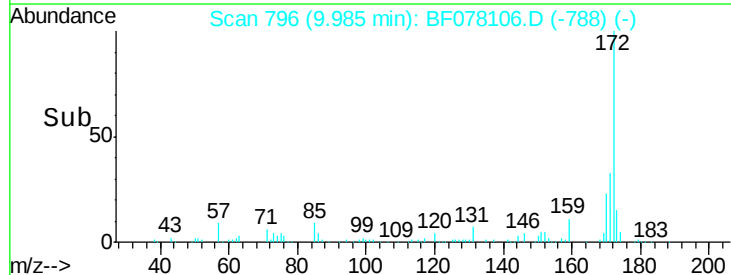
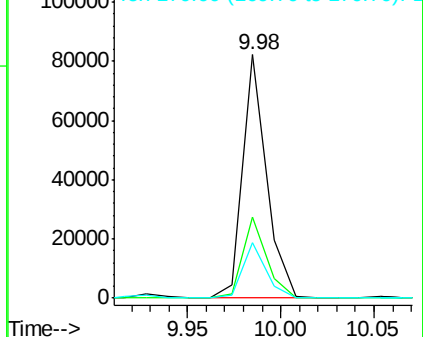


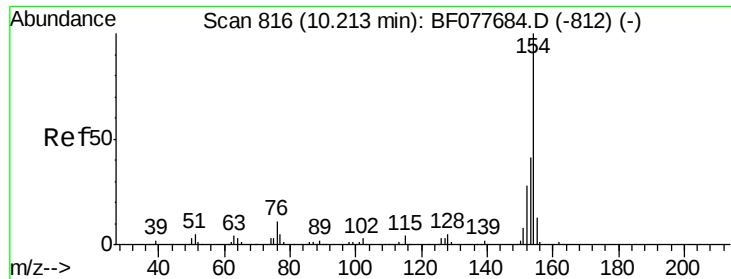
#44
 2-Fluorobiphenyl
 Concen: 15.72 ng
 RT: 9.98 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Tgt Ion:172 Resp: 73416
 Ion Ratio Lower Upper
 172 100
 171 33.3 28.5 42.7
 170 22.6 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

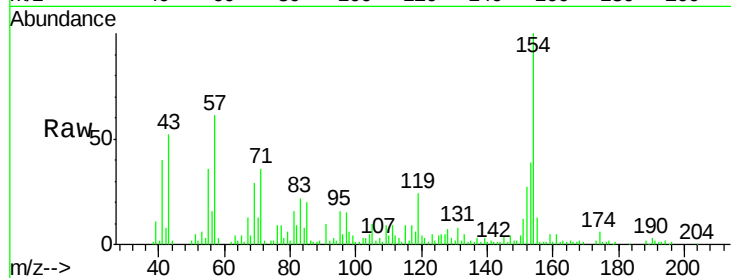




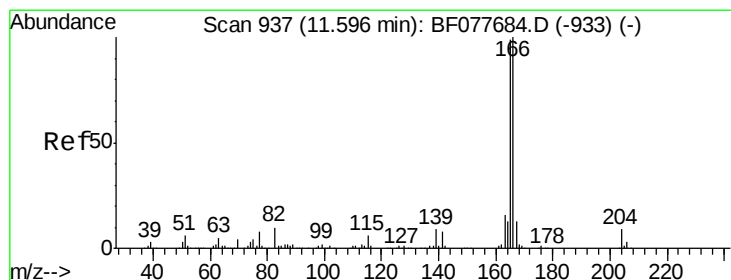
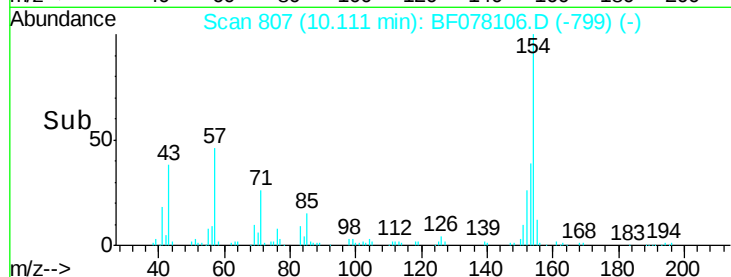
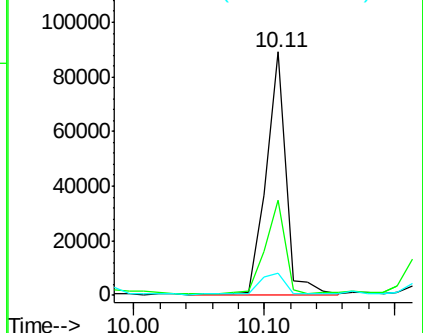
#45
 1,1'-Biphenyl
 Concen: 17.23 ng
 RT: 10.11 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Tgt Ion:154 Resp: 94515
 Ion Ratio Lower Upper
 154 100
 153 39.3 20.7 60.7
 76 9.2 0.0 30.9

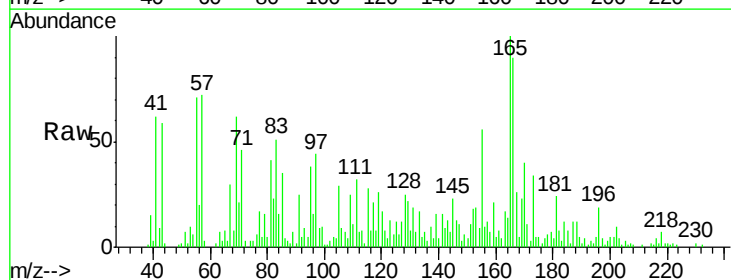


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

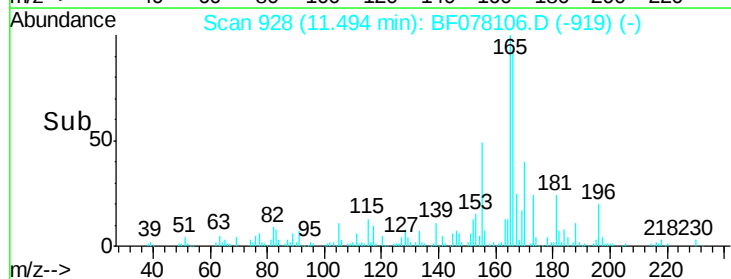
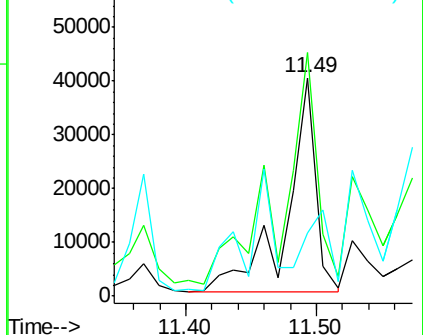


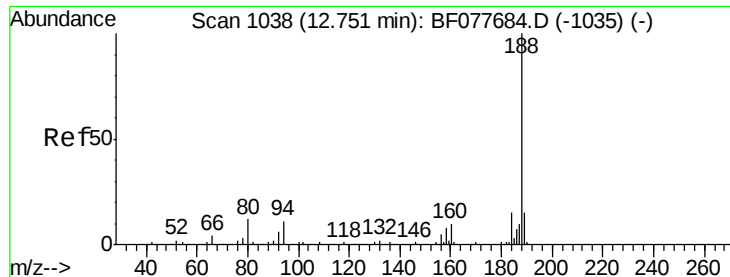
#57
 Fluorene
 Concen: 11.69 ng
 RT: 11.49 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Tgt Ion:166 Resp: 61171
 Ion Ratio Lower Upper
 166 100
 165 111.6 79.0 118.4
 167 28.8 10.3 15.5#



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

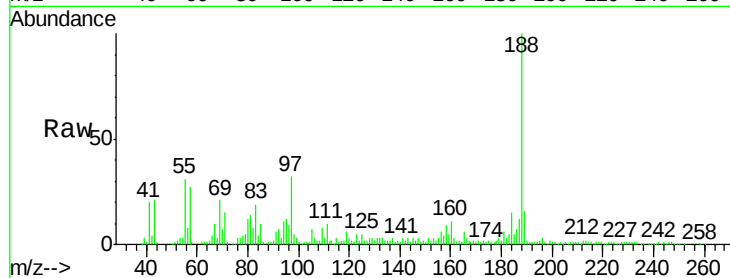




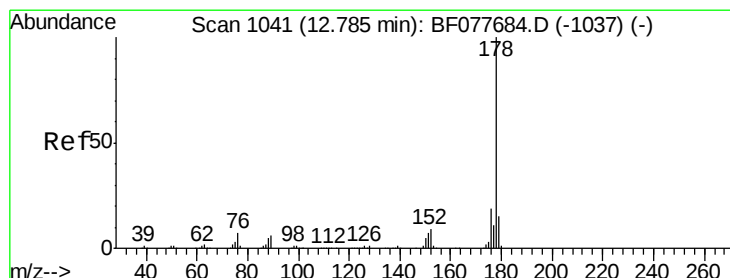
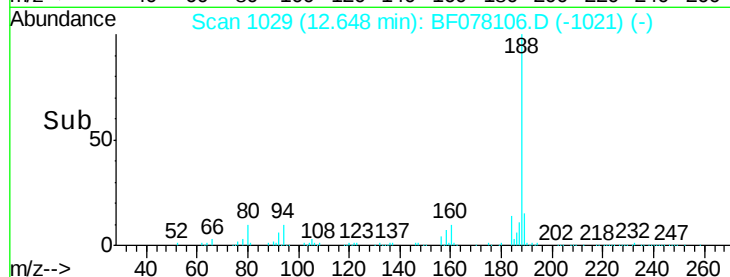
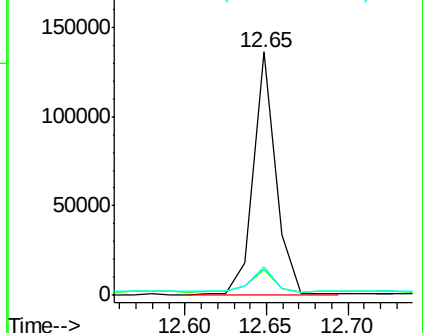
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.65 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF078106.D
Acq: 31 Mar 2015 6:03

Instrument :
BNA_F
ClientSampleId :
DEL-3S-2(7.0-7.5)DL

Tgt Ion:188 Resp: 129108
Ion Ratio Lower Upper
188 100
94 10.8 8.7 13.1
80 11.7 9.3 13.9

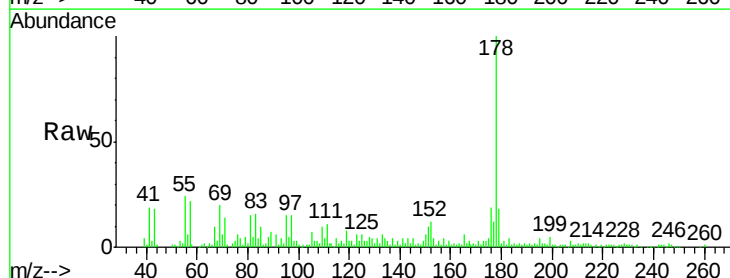


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

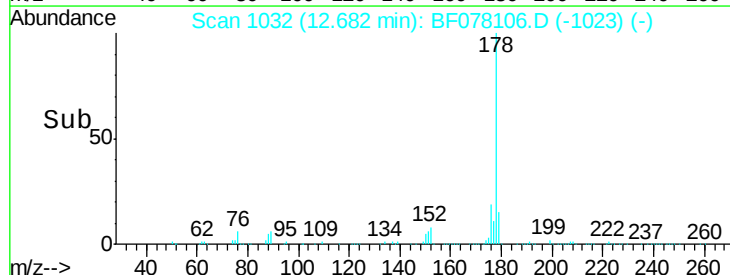
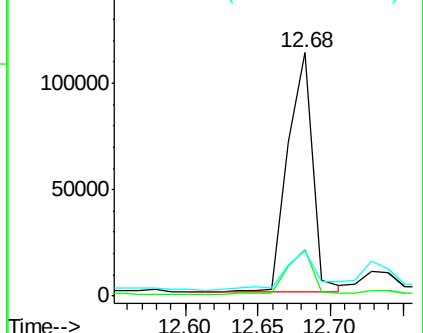


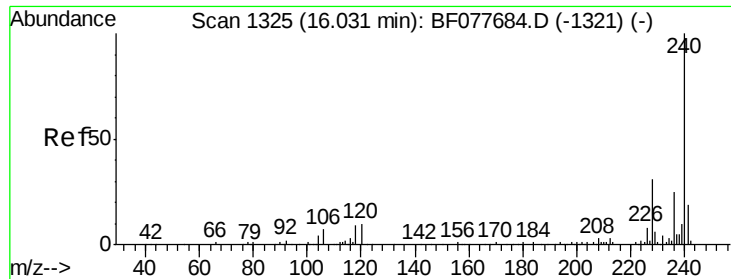
#70
Phenanthrene
Concen: 18.16 ng
RT: 12.68 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078106.D
Acq: 31 Mar 2015 6:03

Tgt Ion:178 Resp: 134579
Ion Ratio Lower Upper
178 100
176 19.1 15.2 22.8
179 18.4 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

RT: 15.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: BF078106.D

Acq: 31 Mar 2015 6:03

Instrument :

BNA_F

ClientSampleId :

DEL-3S-2(7.0-7.5)DL

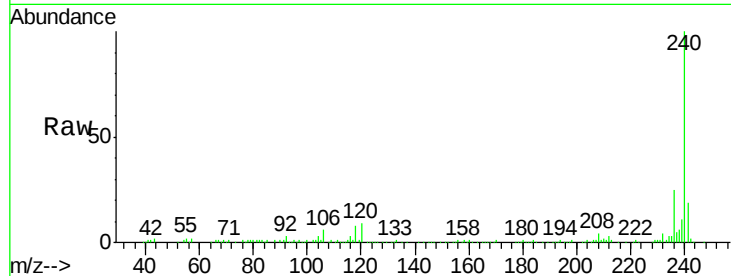
Tgt Ion:240 Resp: 151417

Ion Ratio Lower Upper

240 100

120 9.0 8.2 12.2

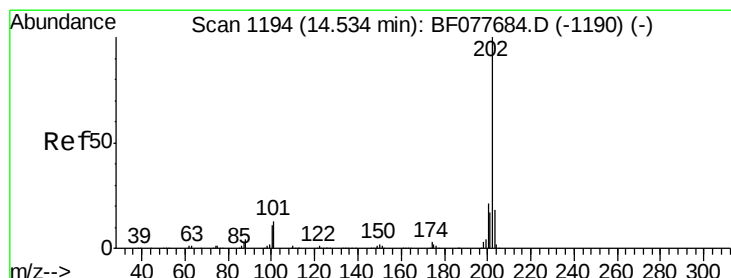
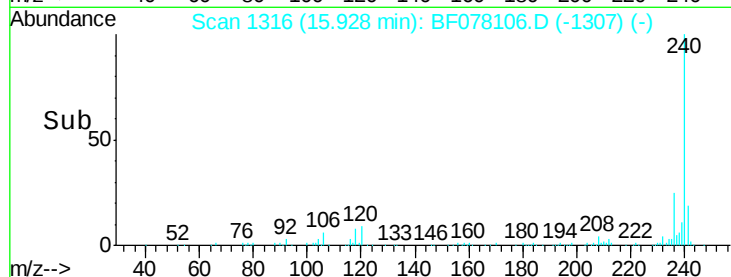
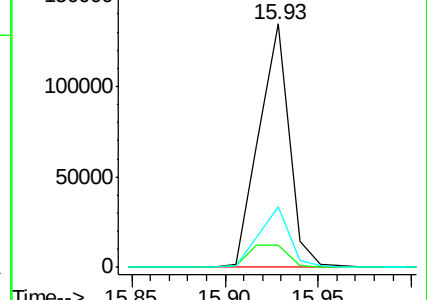
236 24.9 20.0 30.0



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

Pyrene

Concen: 3.01 ng

RT: 14.43 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BF078106.D

Acq: 31 Mar 2015 6:03

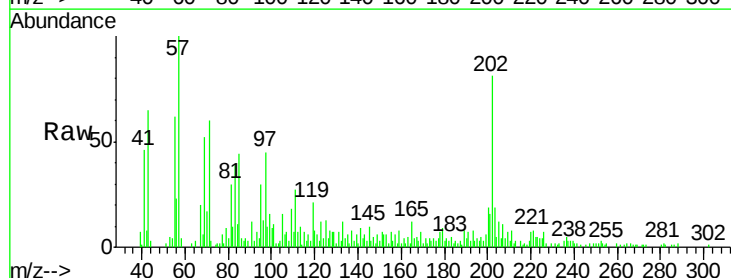
Tgt Ion:202 Resp: 28627

Ion Ratio Lower Upper

202 100

200 23.1 16.9 25.3

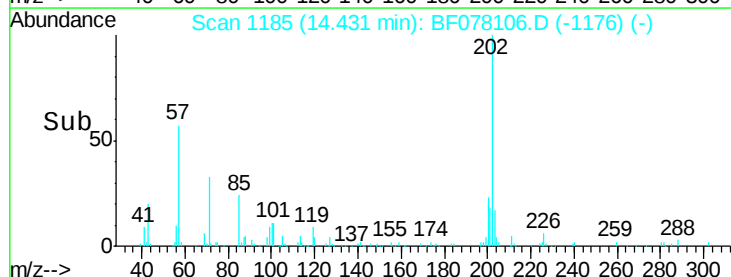
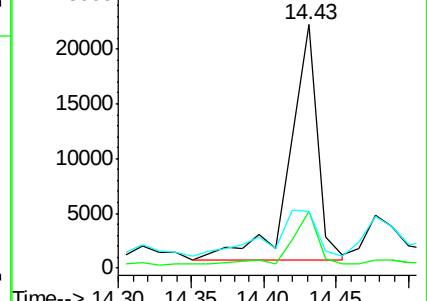
203 23.4 14.1 21.1#

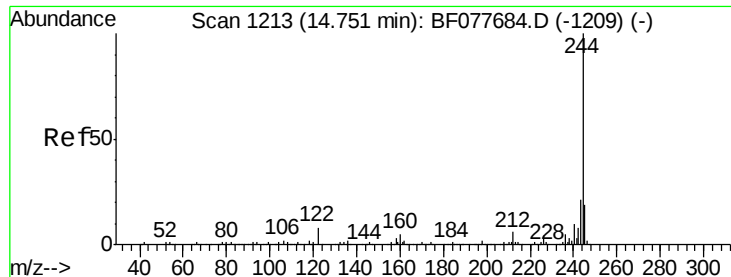


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

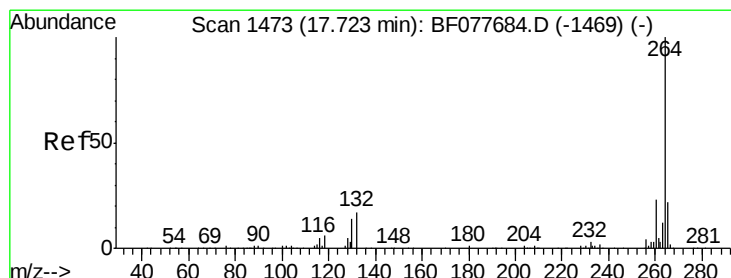
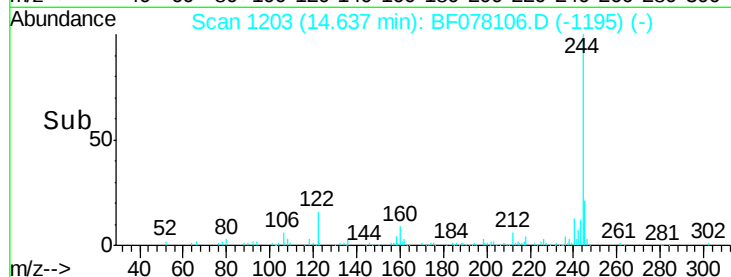
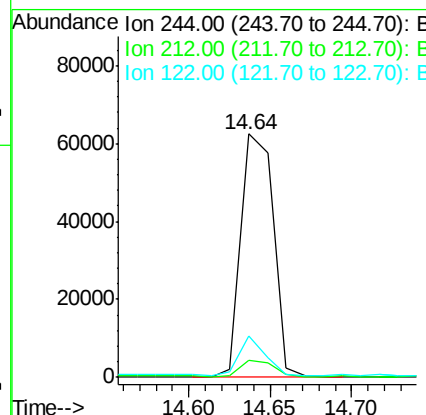
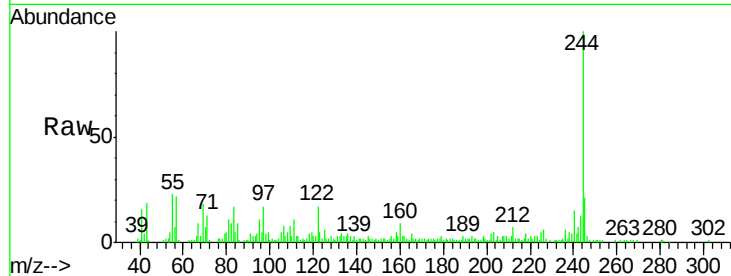




#78
 Terphenyl-d14
 Concen: 13.86 ng
 RT: 14.64 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Instrument :
 BNA_F
 ClientSampleId :
 DEL-3S-2(7.0-7.5)DL

Tgt Ion:244 Resp: 85890
 Ion Ratio Lower Upper
 244 100
 212 6.9 4.9 7.3
 122 16.9 6.2 9.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.65 min Scan# 1467
 Delta R.T. 0.03 min
 Lab File: BF078106.D
 Acq: 31 Mar 2015 6:03

Tgt Ion:264 Resp: 150933
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 27.8
 265 22.4 17.3 25.9

