

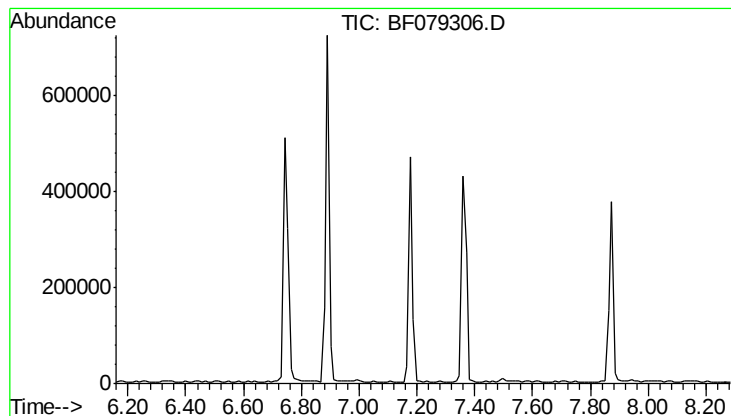
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051515\
 Data File : BF079306.D
 Acq On : 16 May 2015 11:03
 Operator : TP/IZ
 Sample : G2249-03 2X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SR-3

Quant Time: May 18 01:01:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.75	136	300156	20.00	ng	-0.05
38) Acenaphthene-d10	10.93	164	141937	20.00	ng	-0.05
63) Phenanthrene-d10	12.77	188	263388	20.00	ng	-0.06
75) Chrysene-d12	16.07	240	277836	20.00	ng	-0.43
86) Perylene-d12	18.40	264	12777	20.00	ng	-0.48
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.87	82	127788	24.47	ng	-0.05
41) 2,4,6-Tribromophenol	11.91	330	60956	39.70	ng	-0.05
44) 2-Fluorobiphenyl	10.10	172	265352	26.05	ng	-0.05
78) Terphenyl-d14	0.00	244	0	0.00	ng	
Target Compounds						Qvalue
31) Naphthalene	8.78	128	31884	2.23	ng	99
48) Acenaphthylene	10.75	152	71948	4.98	ng	98
49) Dimethylphthalate	10.61	163	45020	4.32	ng	99
54) Dibenzofuran	11.19	168	45429	3.65	ng	95
57) Fluorene	11.61	166	47047	4.60	ng	99
70) Phenanthrene	12.80	178	806512	54.73	ng	98
71) Anthracene	12.86	178	93224	6.45	ng	99
72) Carbazole	13.07	167	63064	4.58	ng	98
74) Fluoranthene	14.27	202	921878	60.04	ng	99
77) Pyrene	14.27	202	921878	57.58	ng	100
80) Benzo(a)anthracene	16.06	228	293218	19.27	ng	96
82) Chrysene	16.10	228	383182	26.19	ng	98
87) Benzo(b)fluoranthene	17.79	252	269801	385.79	ng	98
88) Benzo(k)fluoranthene	17.79	252	268871	397.13	ng	# 95

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.22 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Instrument :

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SR-3

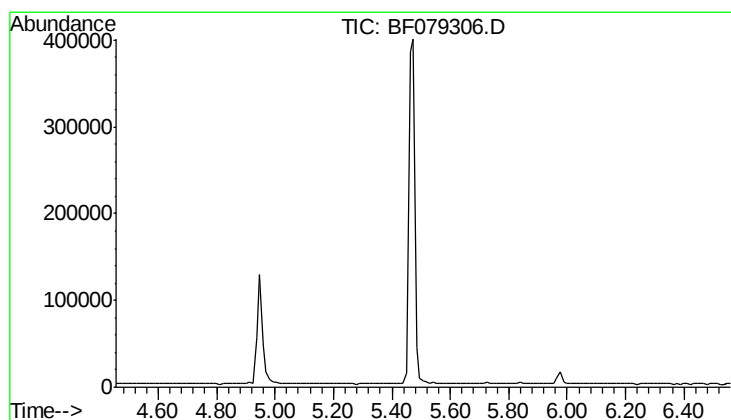
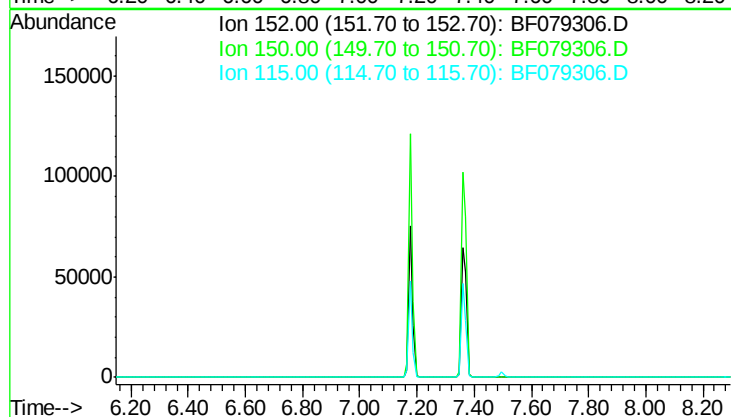
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.8

115 61.7



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.51 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

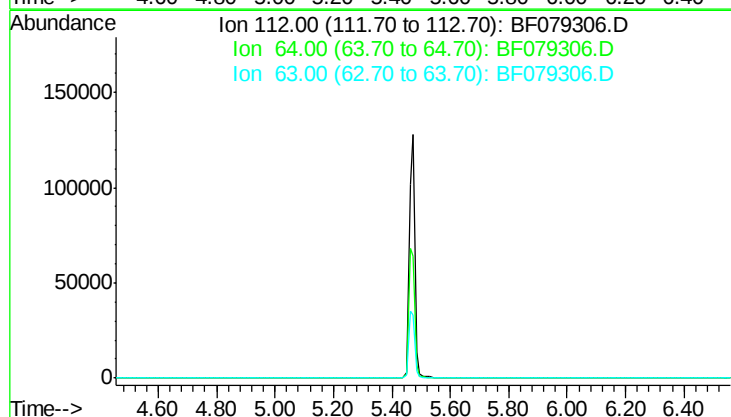
Tgt Ion: 112

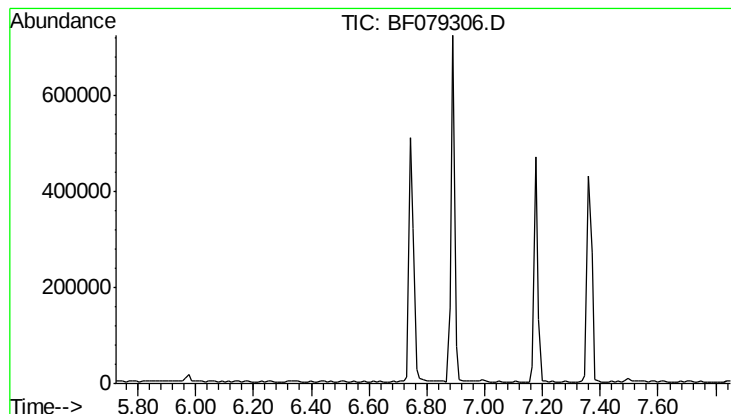
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Instrument :

BNA_F

ClientSampleId :

SR-3

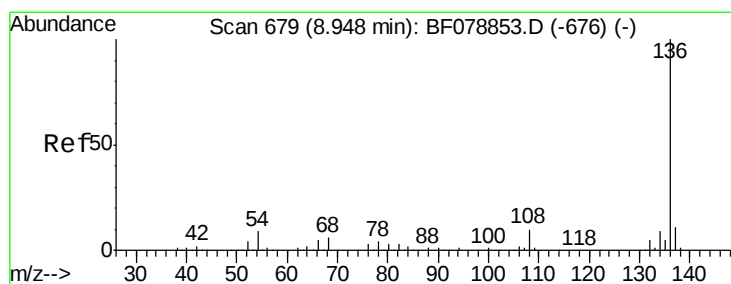
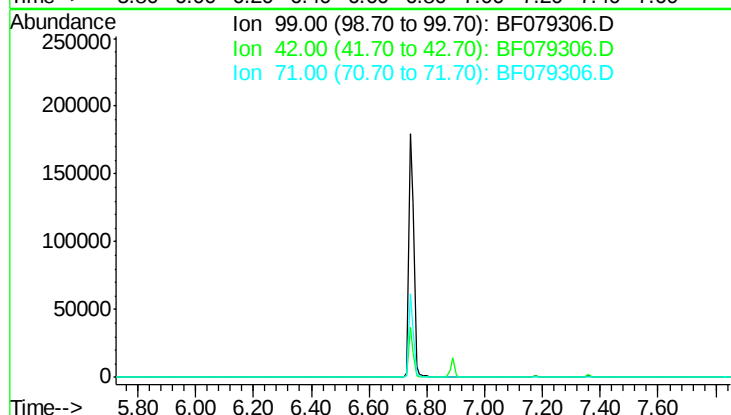
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.75 min Scan# 662

Delta R.T. -0.05 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Tgt Ion:136 Resp: 300156

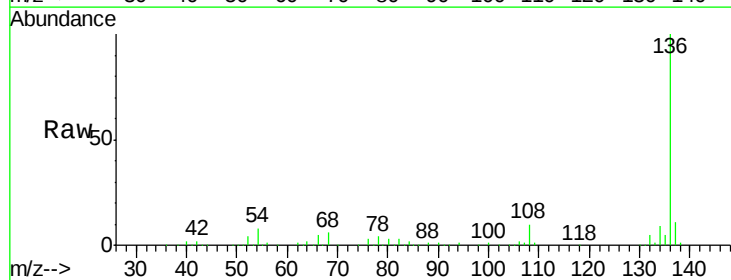
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.8 6.9 10.3

68 5.9 4.9 7.3

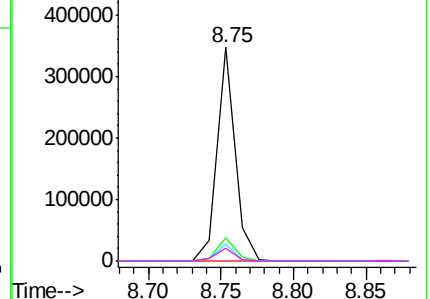
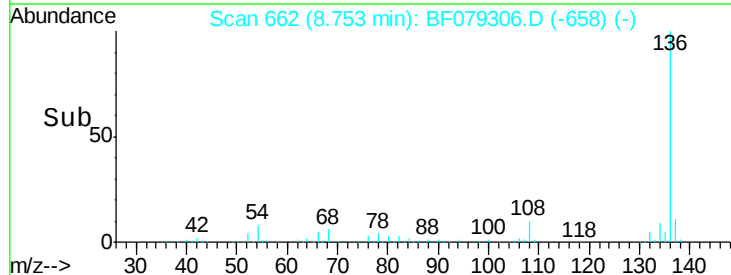


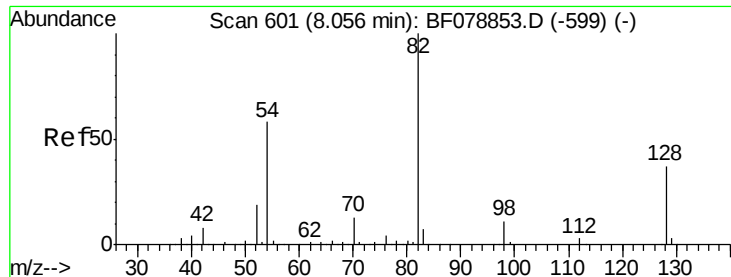
Abundance Ion 136.00 (135.70 to 136.70): E

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

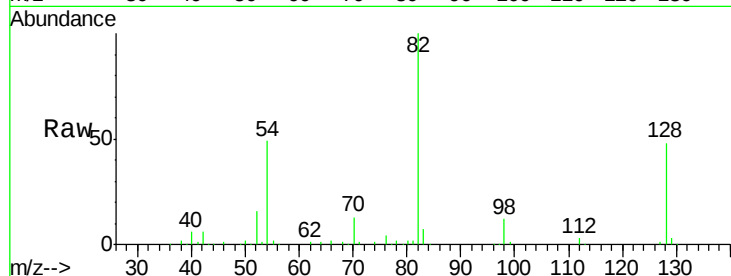




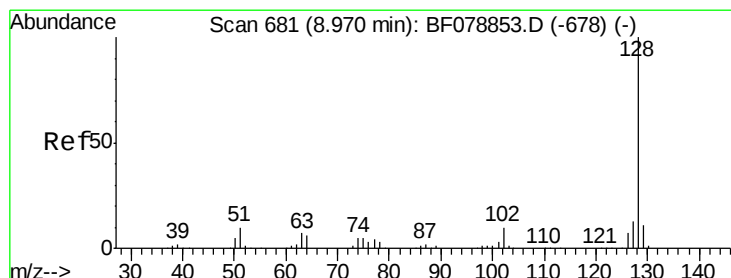
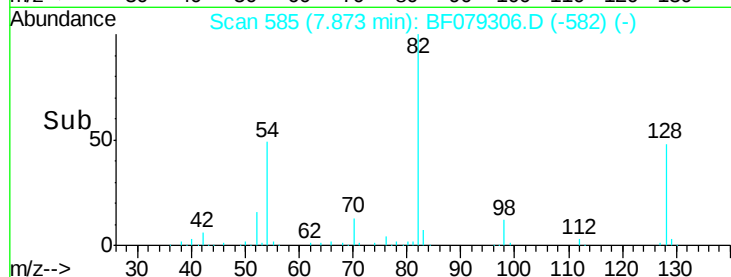
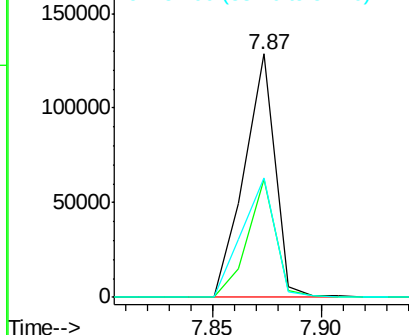
#23
 Nitrobenzene-d5
 Concen: 24.47 ng
 RT: 7.87 min Scan# 585
 Delta R.T. -0.05 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Instrument :
 BNA_F
 ClientSampleId :
 SR-3

Tgt Ion: 82 Resp: 127788
 Ion Ratio Lower Upper
 82 100
 128 48.3 29.7 44.5#
 54 49.0 46.2 69.4

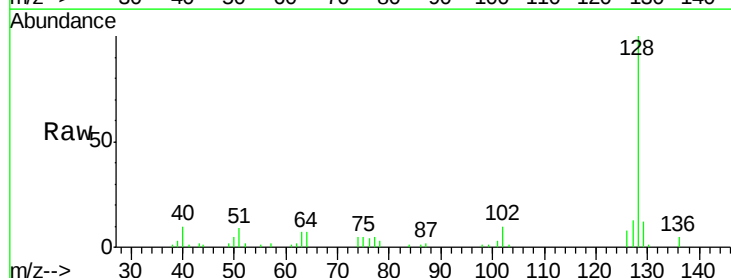


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

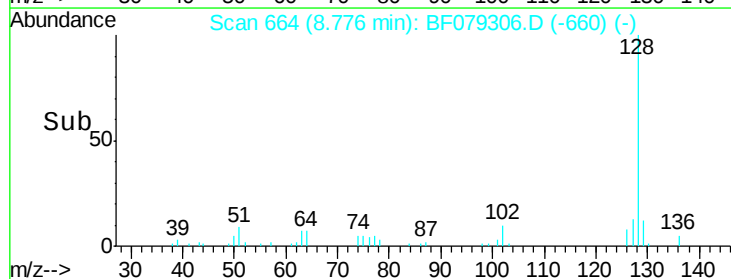
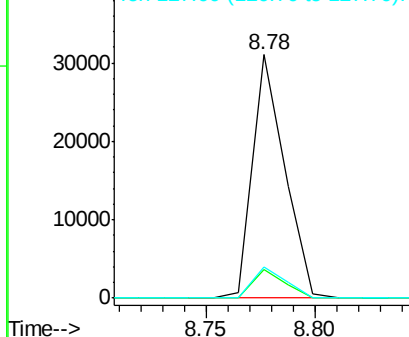


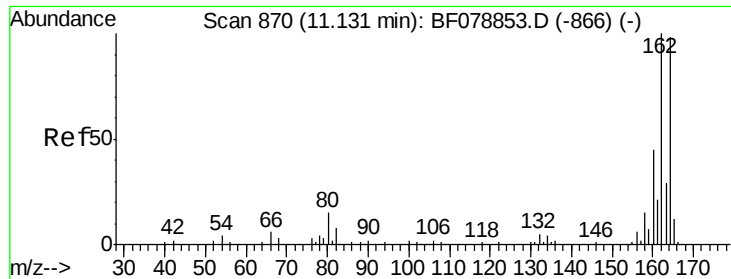
#31
 Naphthalene
 Concen: 2.23 ng
 RT: 8.78 min Scan# 664
 Delta R.T. -0.05 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion: 128 Resp: 31884
 Ion Ratio Lower Upper
 128 100
 129 11.9 9.2 13.8
 127 12.5 10.3 15.5



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

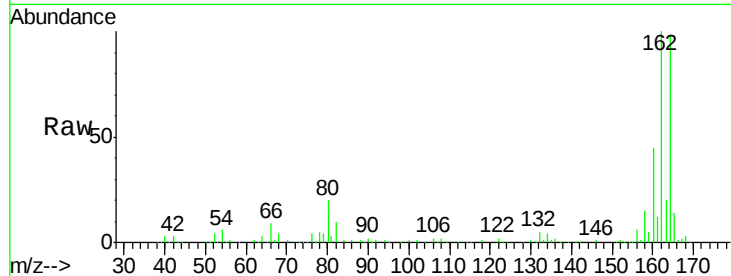




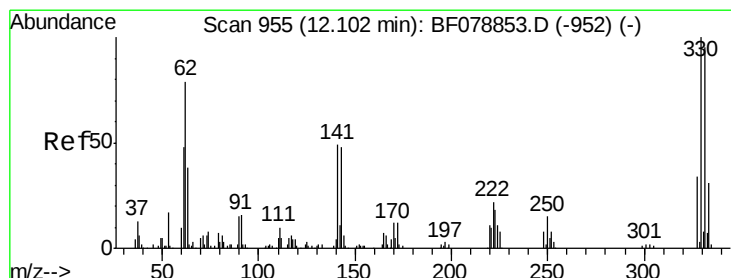
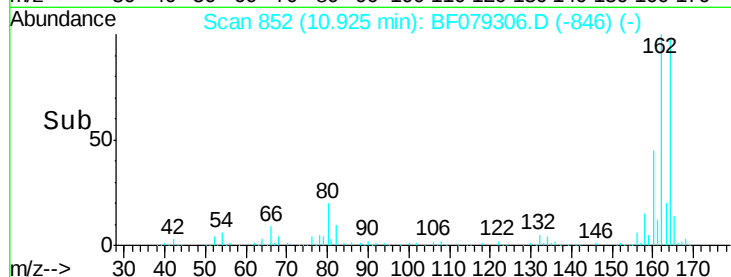
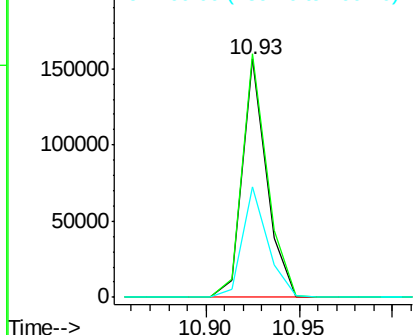
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 852
 Delta R.T. -0.05 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Instrument :
 BNA_F
 ClientSampleId :
 SR-3

Tgt Ion:164 Resp: 141937
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.4 122.0
 160 46.3 36.6 54.8

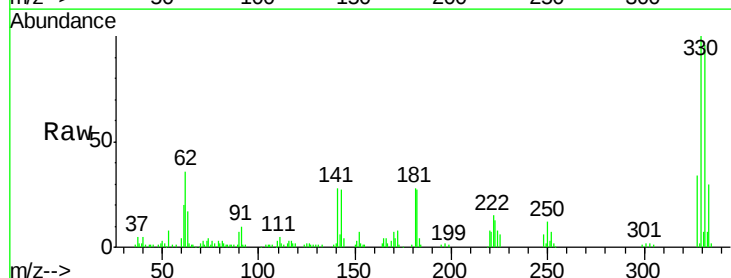


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

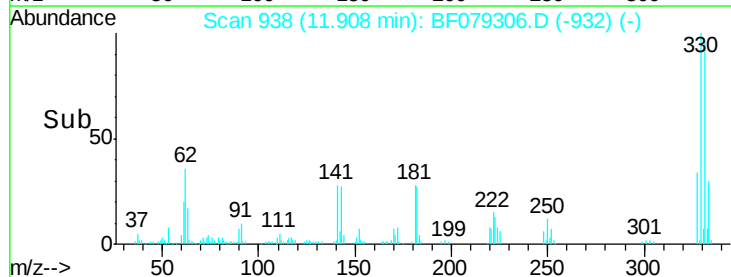
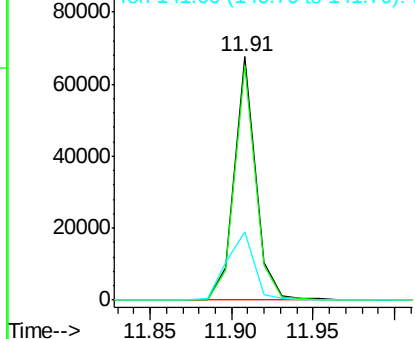


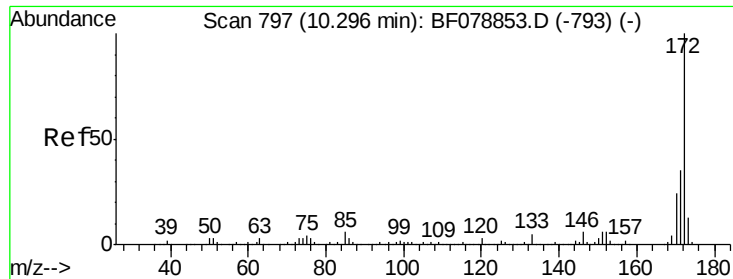
#41
 2,4,6-Tribromophenol
 Concen: 39.70 ng
 RT: 11.91 min Scan# 938
 Delta R.T. -0.05 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion:330 Resp: 60956
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.9 115.3
 141 35.5 27.8 41.8



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

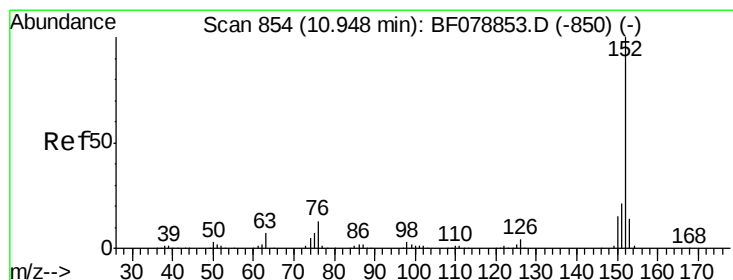
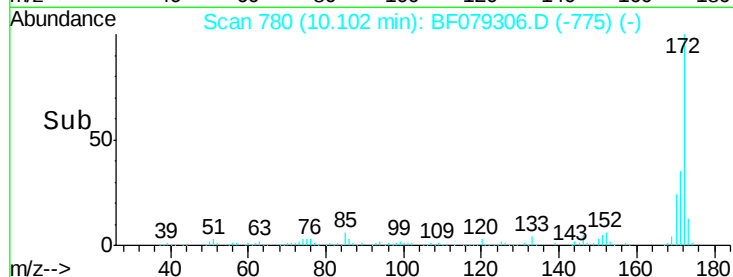
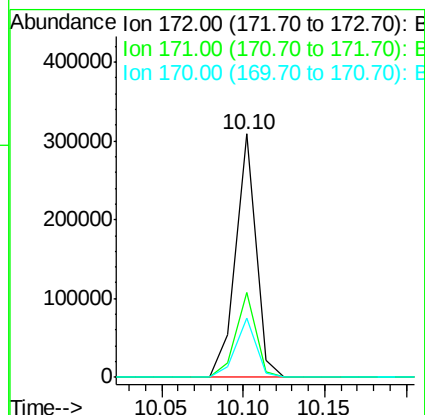
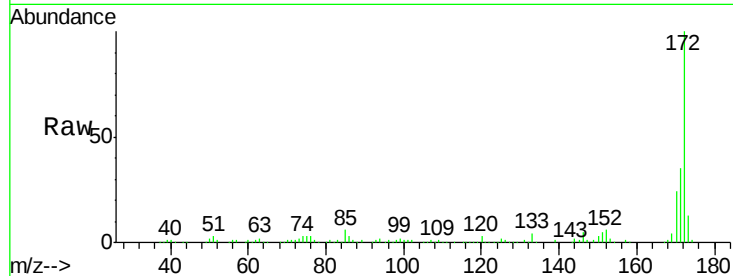




#44
 2-Fluorobiphenyl
 Concen: 26.05 ng
 RT: 10.10 min Scan# 780
 Delta R.T. -0.05 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

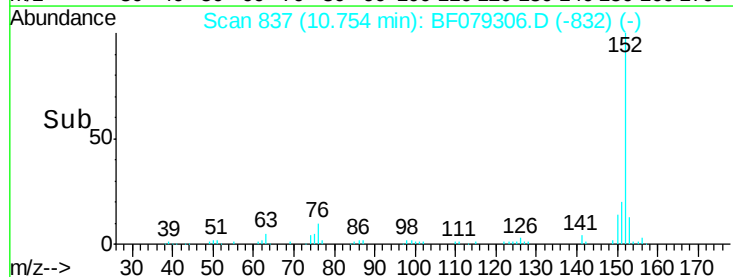
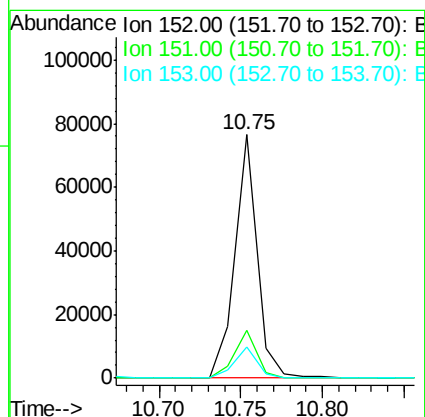
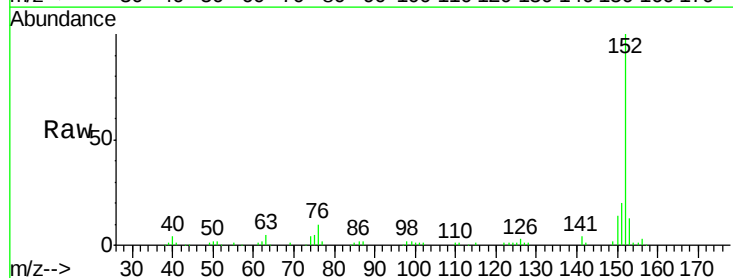
Instrument :
 BNA_F
 ClientSampleId :
 SR-3

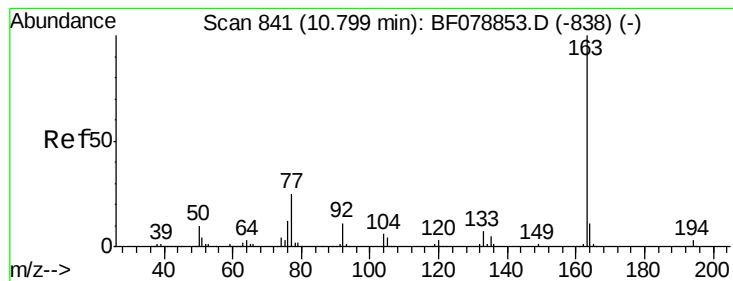
Tgt Ion:172 Resp: 265352
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.3 42.5
 170 24.2 19.4 29.2



#48
 Acenaphthylene
 Concen: 4.98 ng
 RT: 10.75 min Scan# 837
 Delta R.T. -0.05 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion:152 Resp: 71948
 Ion Ratio Lower Upper
 152 100
 151 19.7 16.6 24.8
 153 13.0 11.0 16.6





#49

Dimethylphthalate

Concen: 4.32 ng

RT: 10.61 min Scan# 824

Delta R.T. -0.06 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Instrument :

BNA_F

ClientSampleId :

SR-3

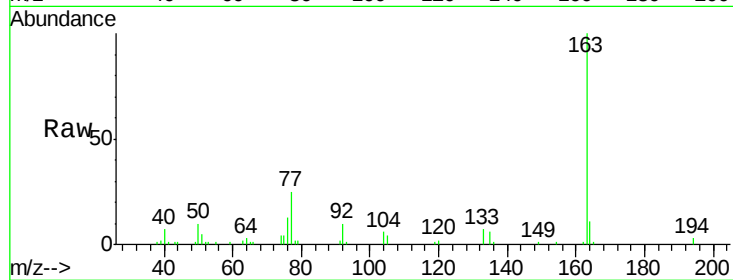
Tgt Ion:163 Resp: 45020

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

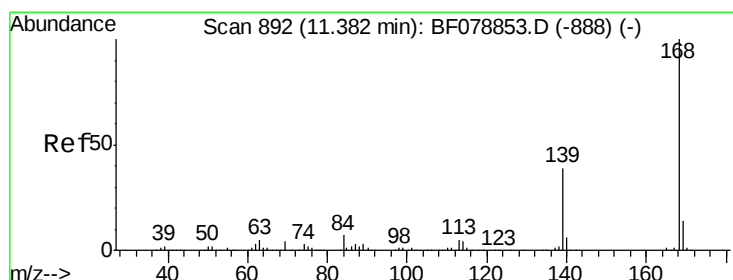
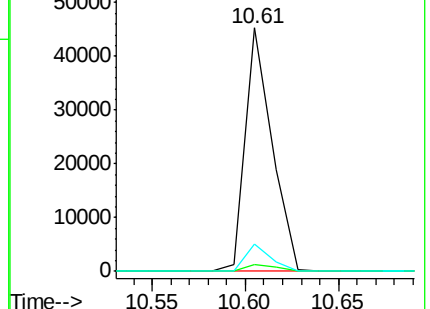
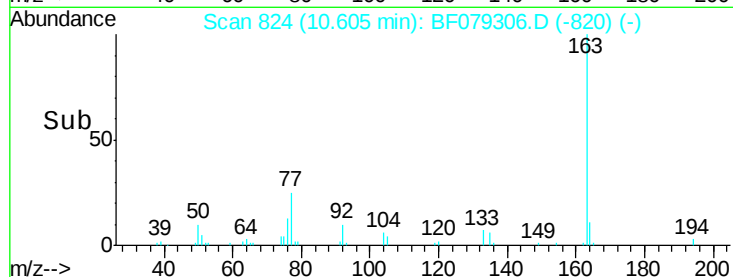
164 11.3 8.6 12.8



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



#54

Dibenzofuran

Concen: 3.65 ng

RT: 11.19 min Scan# 875

Delta R.T. -0.05 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

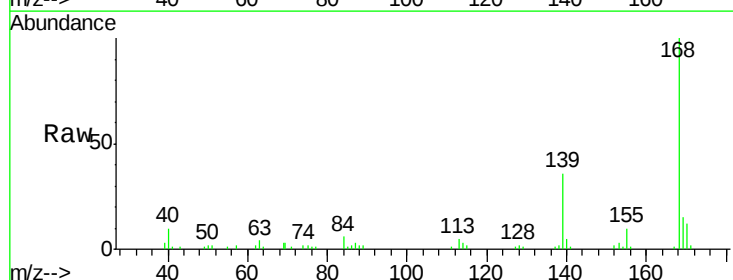
Tgt Ion:168 Resp: 45429

Ion Ratio Lower Upper

168 100

139 35.9 31.5 47.3

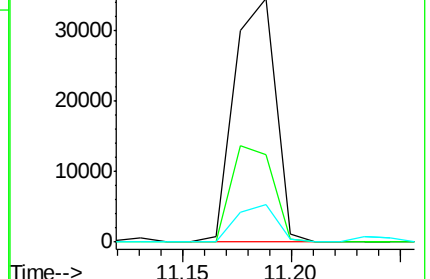
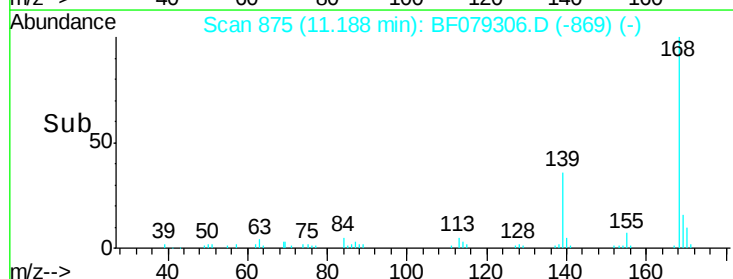
169 15.4 11.0 16.4

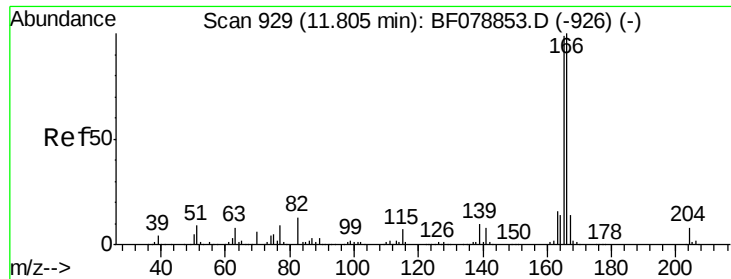


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

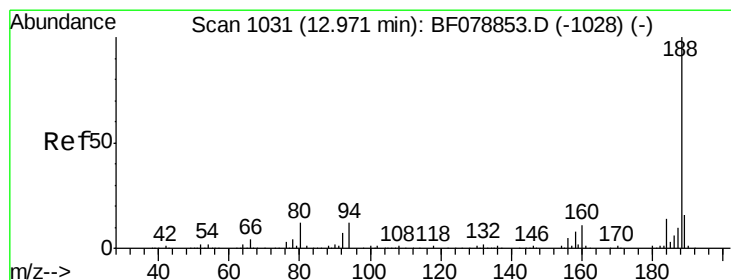
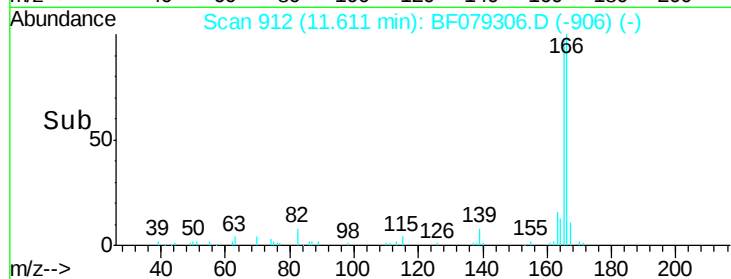
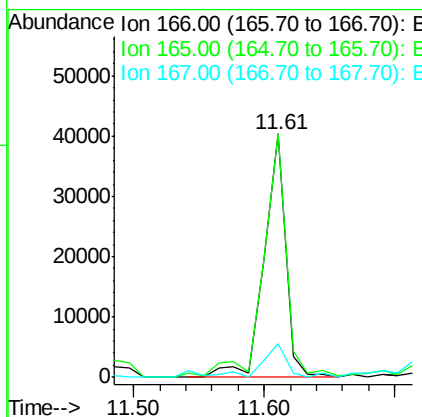
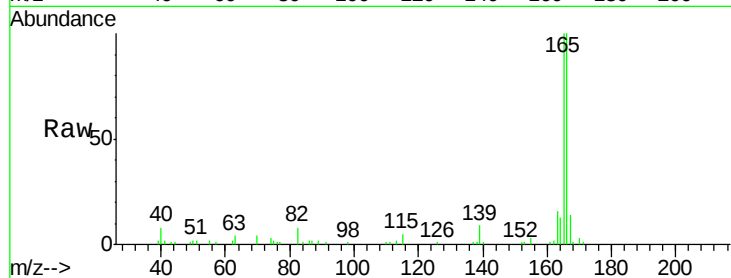




#57
 Fluorene
 Concen: 4.60 ng
 RT: 11.61 min Scan# 912
 Delta R.T. -0.05 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

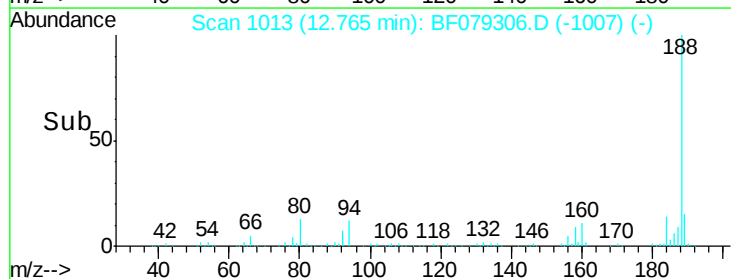
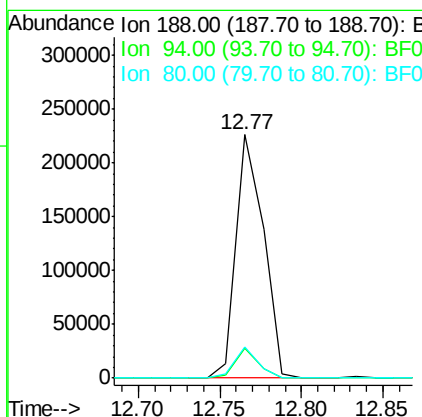
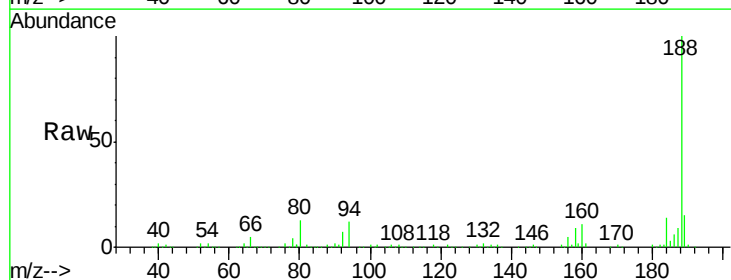
Instrument :
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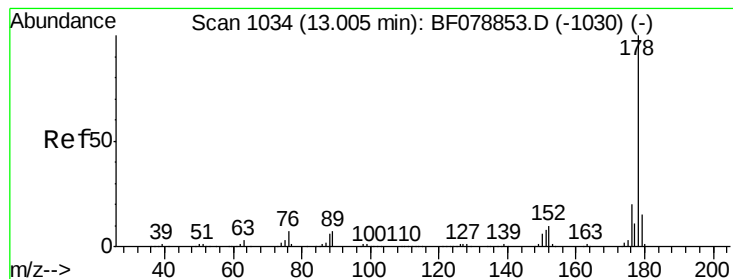
Tgt Ion:166 Resp: 47047
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.5 119.3
 167 14.0 11.0 16.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.77 min Scan# 1013
 Delta R.T. -0.06 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion:188 Resp: 263388
 Ion Ratio Lower Upper
 188 100
 94 12.1 9.4 14.0
 80 12.9 9.8 14.6





#70

Phenanthrene

Concen: 54.73 ng

RT: 12.80 min Scan# 1016

Delta R.T. -0.05 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Instrument :

BNA_F

ClientSampleId :

SR-3

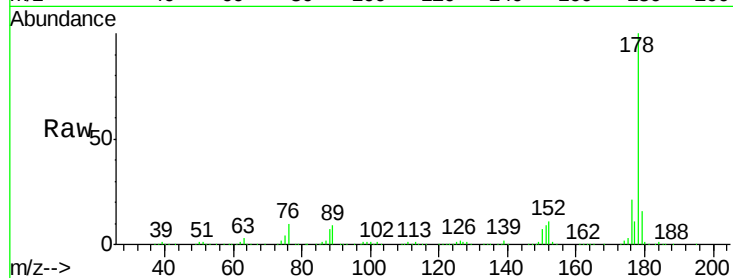
Tgt Ion:178 Resp: 806512

Ion Ratio Lower Upper

178 100

176 20.8 15.9 23.9

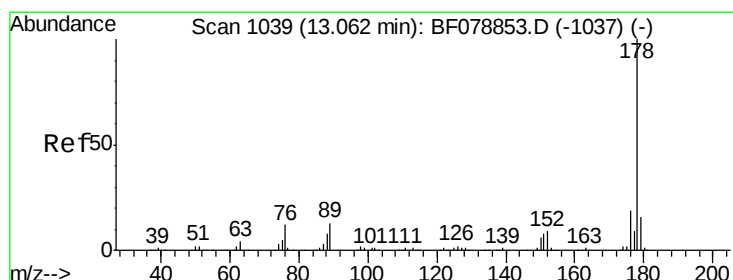
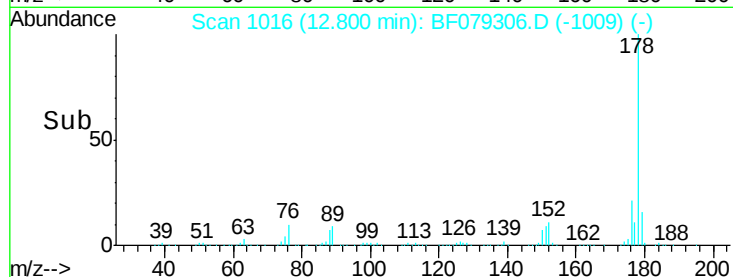
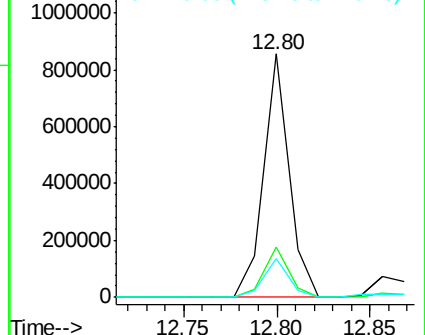
179 16.0 12.2 18.4



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: 6.45 ng

RT: 12.86 min Scan# 1021

Delta R.T. -0.06 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

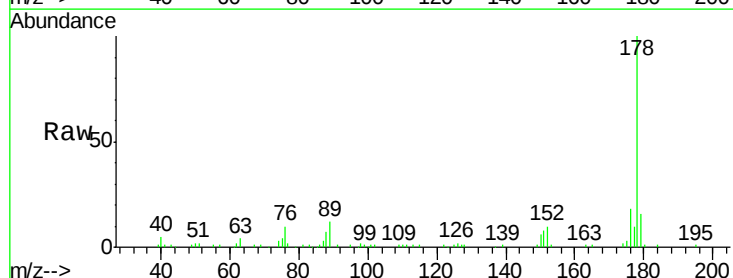
Tgt Ion:178 Resp: 93224

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

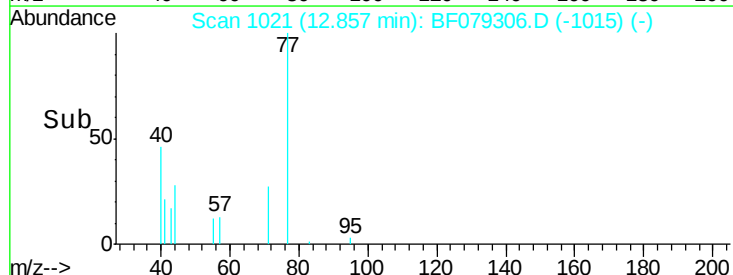
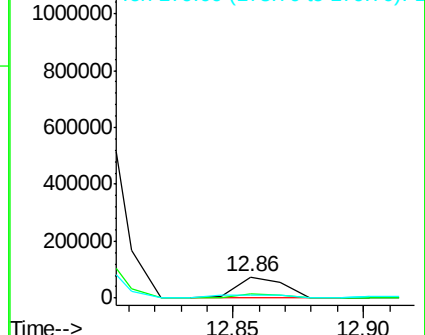
179 16.4 12.6 19.0

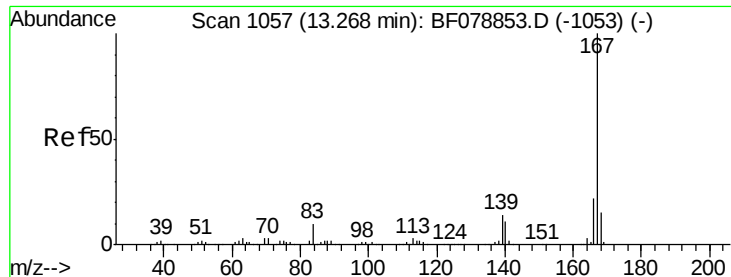


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

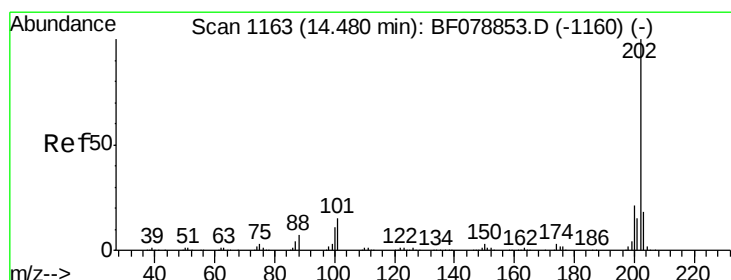
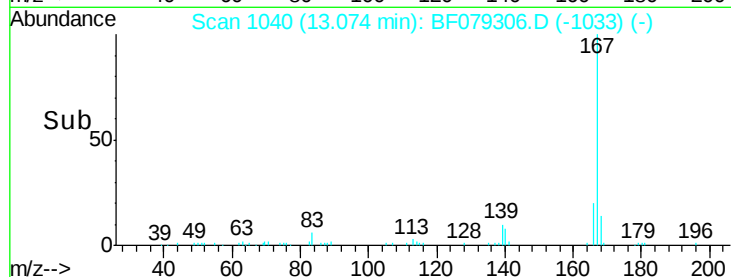
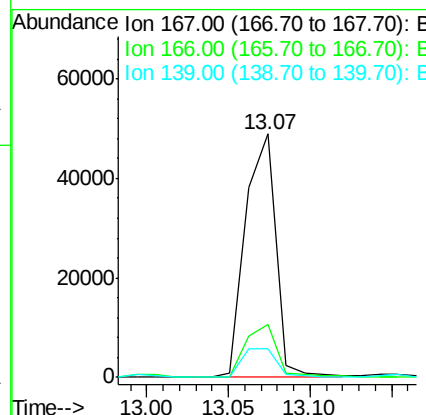
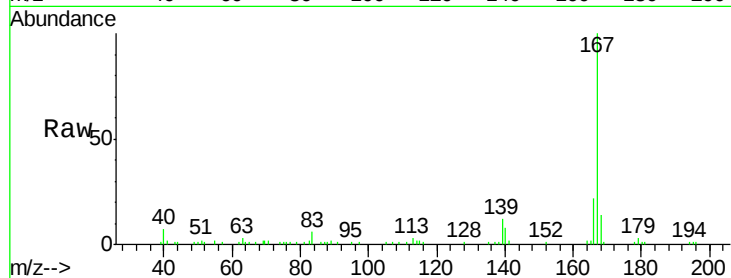




#72
 Carbazole
 Concen: 4.58 ng
 RT: 13.07 min Scan# 1040
 Delta R.T. -0.05 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

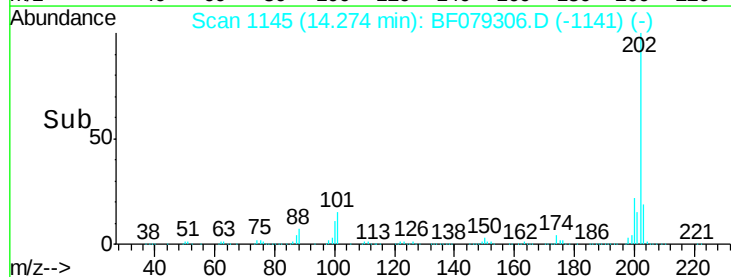
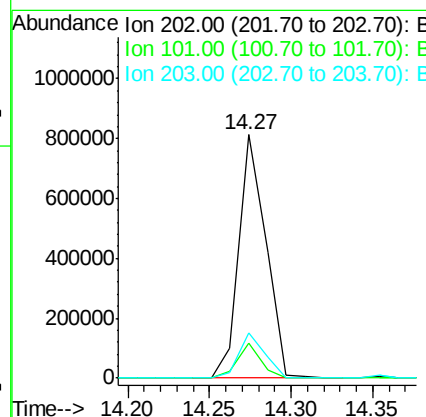
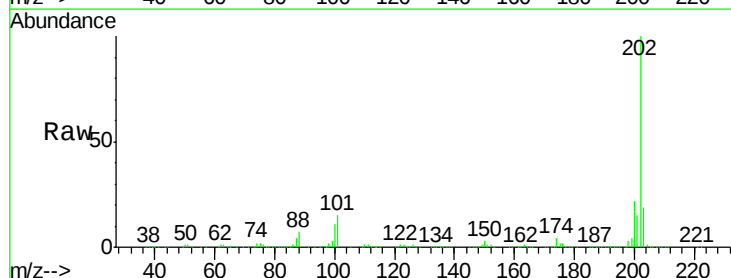
Instrument :
 BNA_F
 ClientSampleId :
 SR-3

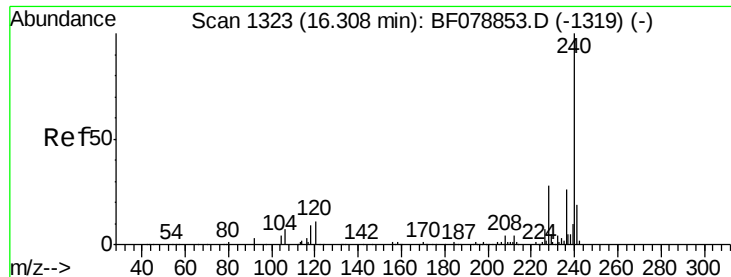
Tgt Ion:167 Resp: 63064
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.5 26.3
 139 11.6 11.0 16.4



#74
 Fluoranthene
 Concen: 60.04 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. -0.10 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion:202 Resp: 921878
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 34.7
 203 18.7 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.07 min Scan# 1302

Delta R.T. -0.43 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Instrument :

BNA_F

ClientSampleId :

SR-3

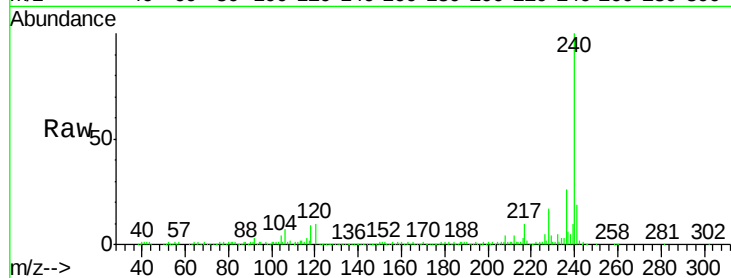
Tgt Ion:240 Resp: 277836

Ion Ratio Lower Upper

240 100

120 10.5 8.6 12.8

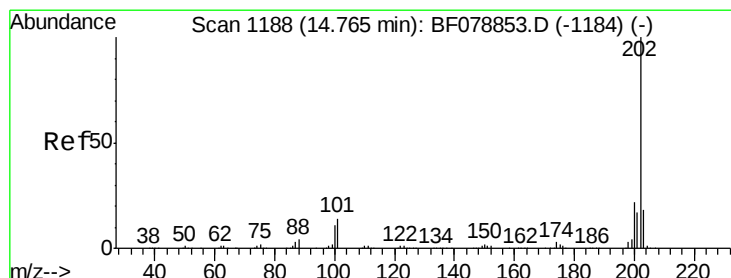
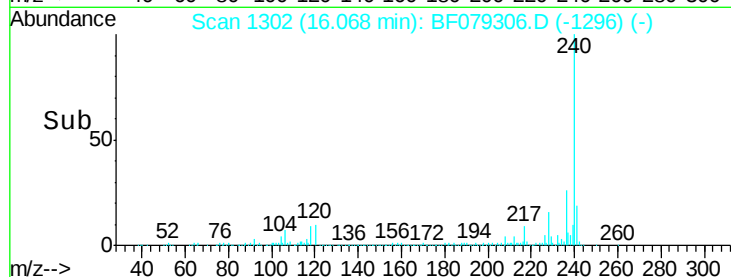
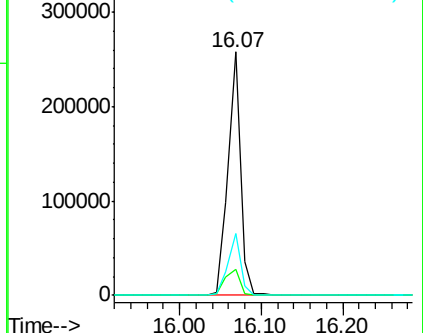
236 25.6 21.0 31.6



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: 57.58 ng

RT: 14.27 min Scan# 1145

Delta R.T. -0.41 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

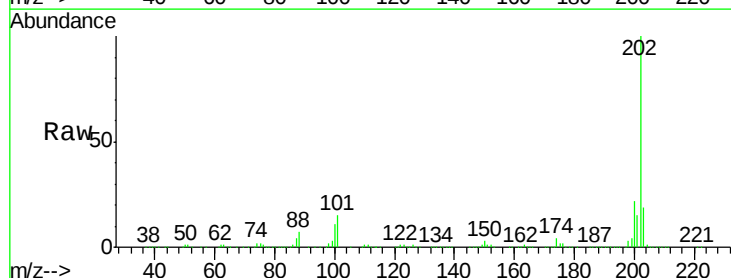
Tgt Ion:202 Resp: 921878

Ion Ratio Lower Upper

202 100

200 22.1 17.5 26.3

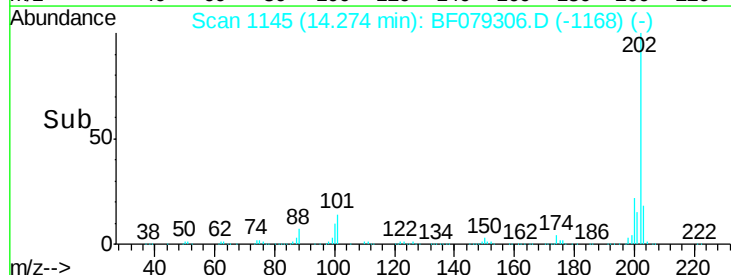
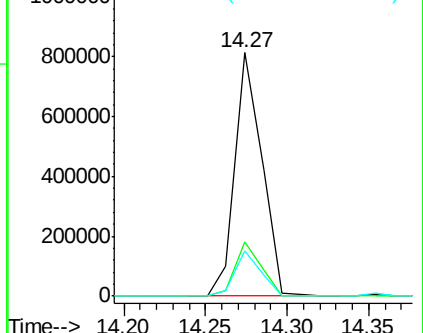
203 18.7 14.7 22.1

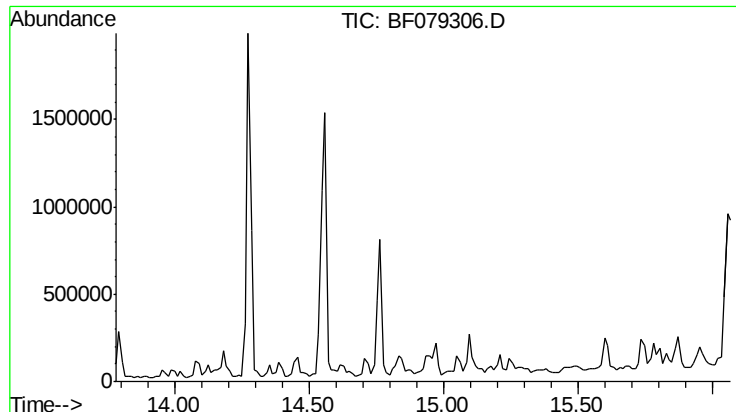


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

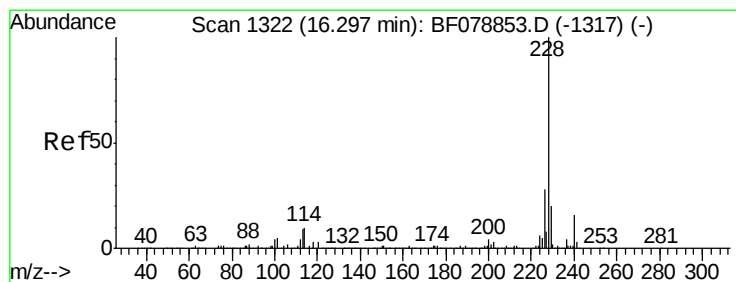
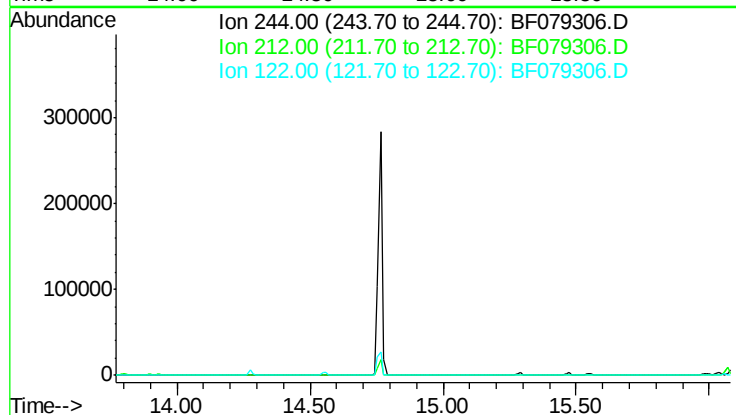




#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.93 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

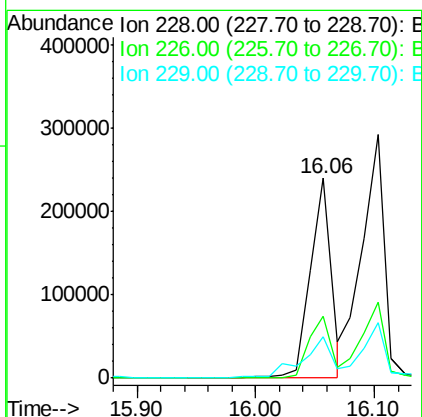
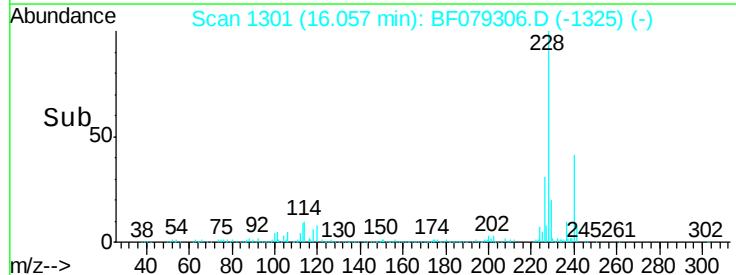
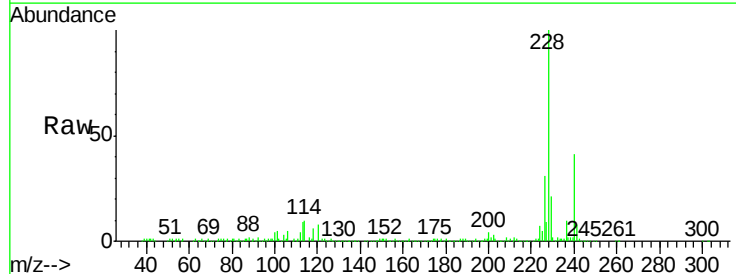
Instrument :
 BNA_F
 ClientSampleId :
 SR-3

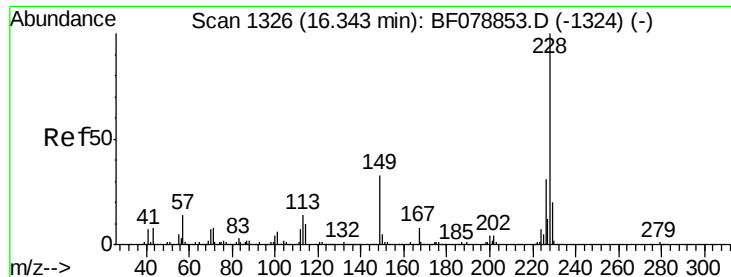
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 7.0
 122 13.1



#80
 Benzo(a)anthracene
 Concen: 19.27 ng
 RT: 16.06 min Scan# 1301
 Delta R.T. -0.43 min
 Lab File: BF079306.D
 Acq: 16 May 2015 11:03

Tgt Ion: 228 Resp: 293218
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.3 33.5
 229 20.8 16.1 24.1

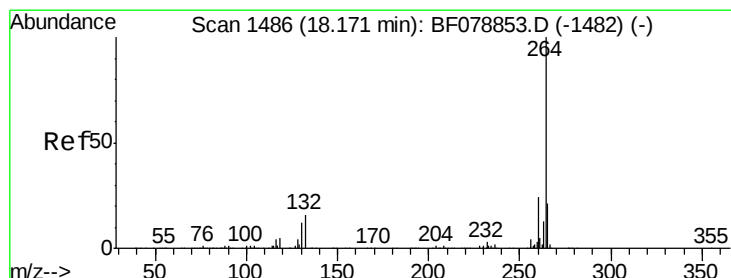
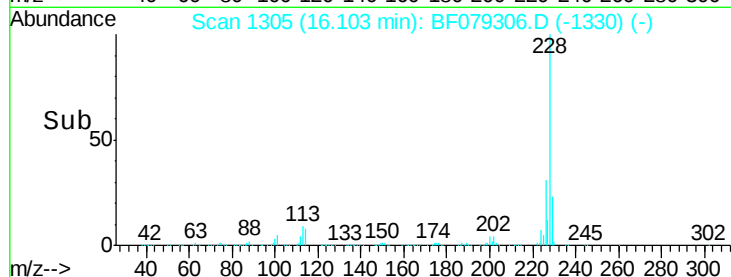
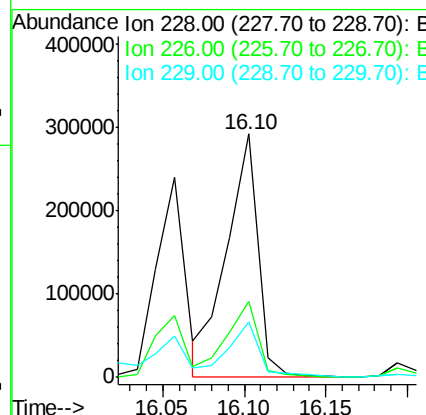
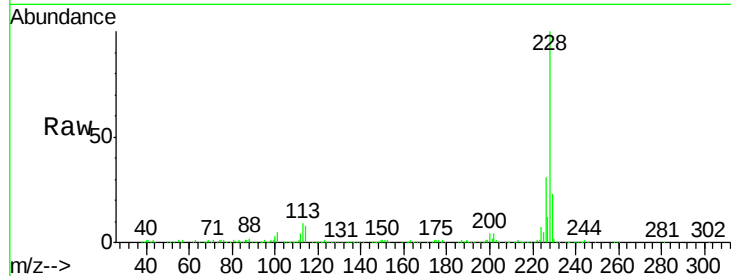




#82
Chrysene
Concen: 26.19 ng
RT: 16.10 min Scan# 1305
Delta R.T. -0.45 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

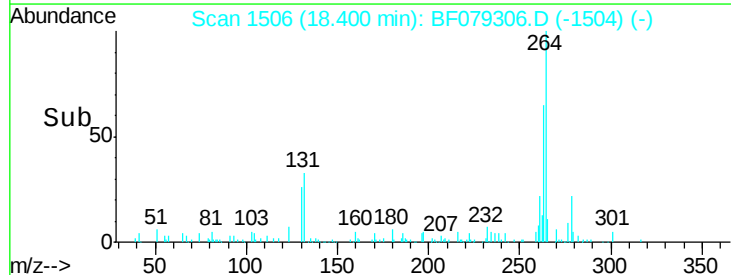
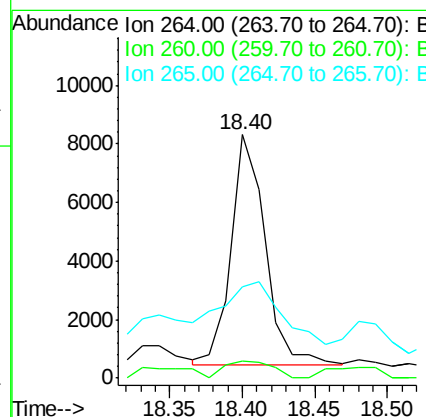
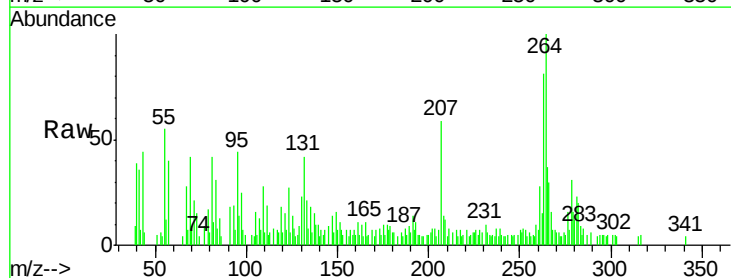
Instrument :
BNA_F
ClientSampleId :
SR-3

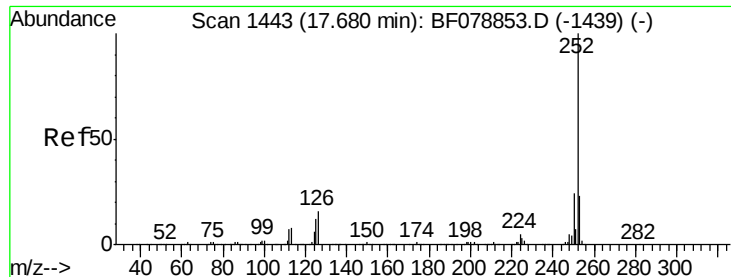
Tgt Ion: 228 Resp: 383182
Ion Ratio Lower Upper
228 100
226 31.1 24.8 37.2
229 22.8 16.1 24.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 18.40 min Scan# 1506
Delta R.T. -0.48 min
Lab File: BF079306.D
Acq: 16 May 2015 11:03

Tgt Ion: 264 Resp: 12777
Ion Ratio Lower Upper
264 100
260 7.1 19.2 28.8#
265 37.3 17.2 25.8#





#87

Benzo(b)fluoranthene

Concen: 385.79 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.46 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

Instrument :

BNA_F

ClientSampleId :

SR-3

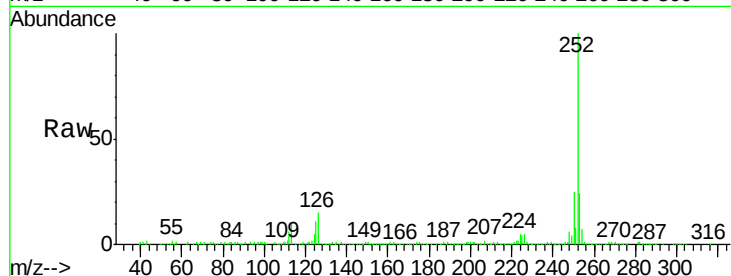
Tgt Ion:252 Resp: 269801

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

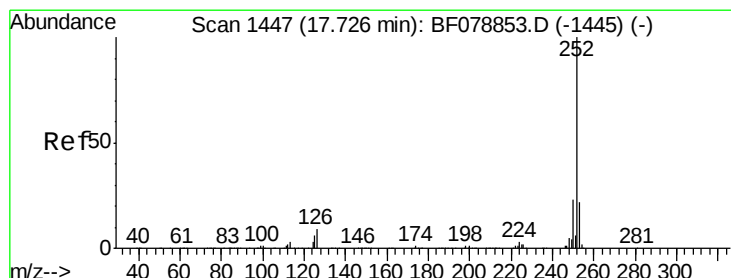
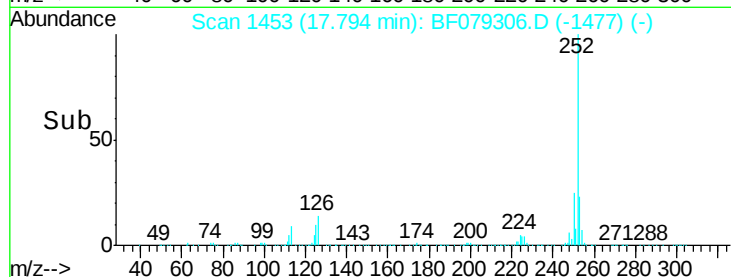
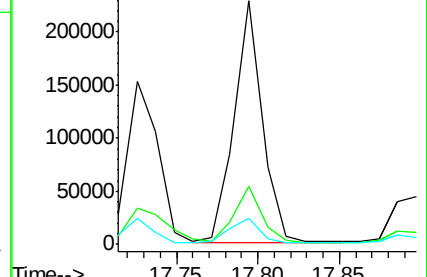
125 10.6 9.4 14.2



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: 397.13 ng

RT: 17.79 min Scan# 1453

Delta R.T. -0.50 min

Lab File: BF079306.D

Acq: 16 May 2015 11:03

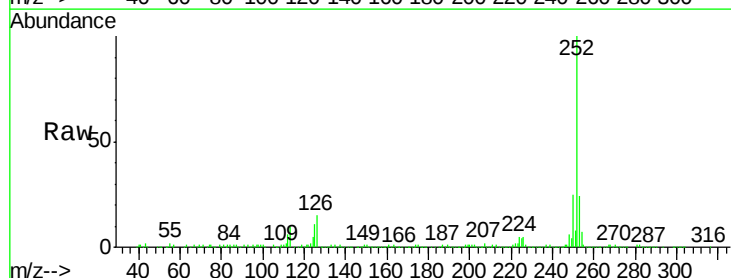
Tgt Ion:252 Resp: 268871

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.0

125 10.6 6.1 9.1#



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

