

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051415\
 Data File : BF079246.D
 Acq On : 14 May 2015 22:07
 Operator : TP/IZ
 Sample : G2215-09 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

Quant Time: May 15 01:15:02 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 00:55:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	45845	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	186509	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	88588	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	174329	20.00	ng	-0.01
75) Chrysene-d12	16.53	240	576	20.00	ng	0.02
86) Perylene-d12	18.88	264	676	20.00	ng	0.00

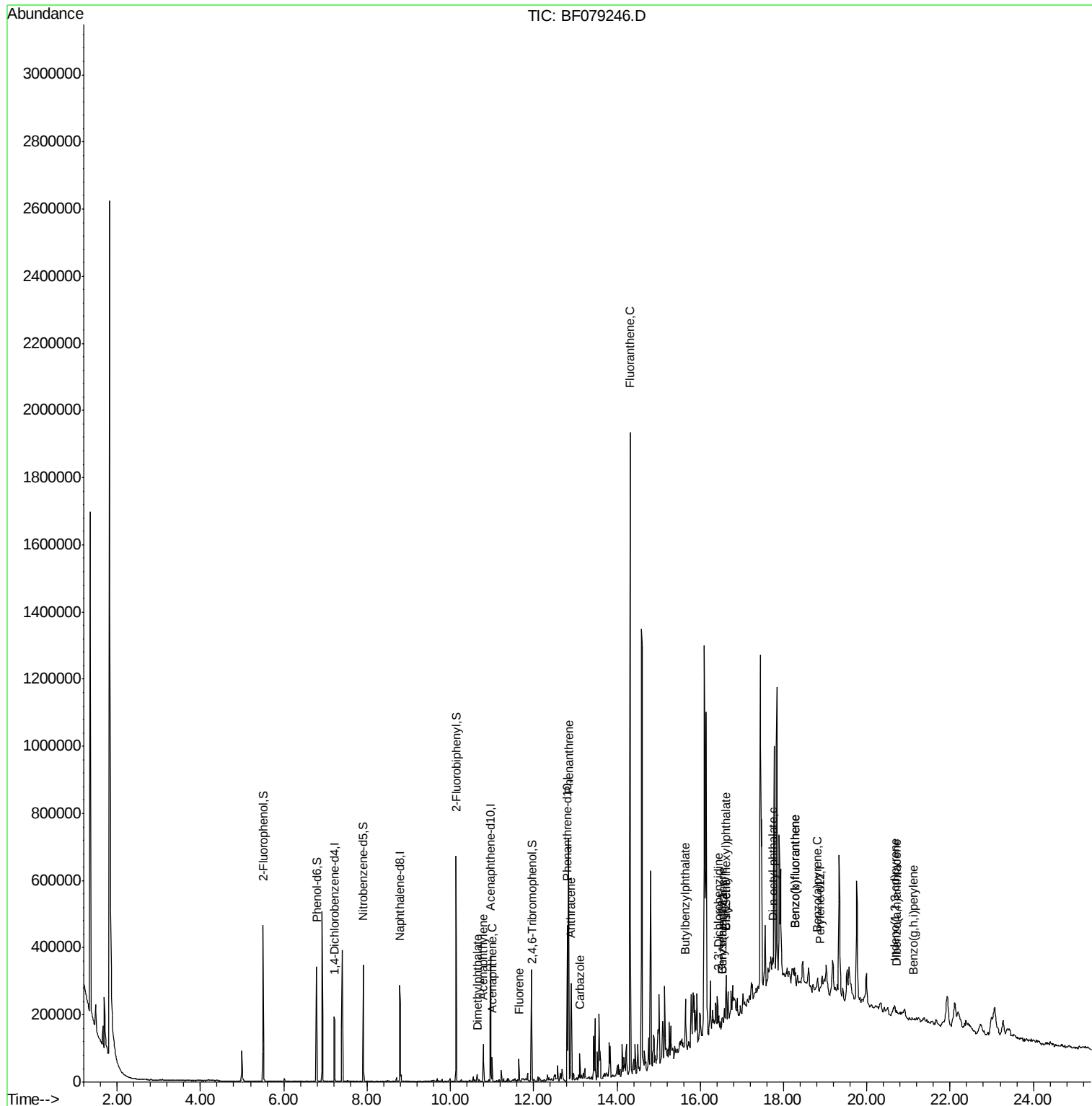
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	141545	53.15	ng	0.00
7) Phenol-d6	6.79	99	186580	53.00	ng	0.00
23) Nitrobenzene-d5	7.91	82	105784	32.60	ng	-0.01
41) 2,4,6-Tribromophenol	11.95	330	50639	52.84	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	215460	33.89	ng	-0.01
78) Terphenyl-d14	0.00	244	0	0.00	ng	

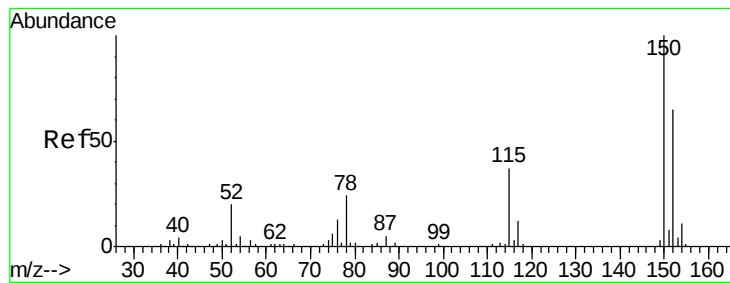
Target Compounds				Qvalue		
48) Acenaphthylene	10.79	152	60607	6.72	ng	100
49) Dimethylphthalate	10.65	163	13426	2.07	ng	98
51) Acenaphthene	11.00	154	16030	2.98	ng	99
57) Fluorene	11.64	166	20728	3.25	ng	99
70) Phenanthrene	12.85	178	420052	43.07	ng	99
71) Anthracene	12.90	178	115410	12.06	ng	98
72) Carbazole	13.11	167	33782	3.70	ng	99
74) Fluoranthene	14.32	202	834980	82.16	ng	99
79) Butylbenzylphthalate	15.65	149	1065	73.40	ng	# 94
80) Benzo(a)anthracene	16.53	228	234	7.42	ng	# 1
81) 3,3'-Dichlorobenzidine	16.45	252	2130	189.58	ng	# 44
82) Chrysene	16.62	228	1847	60.88	ng	# 1
83) Bis(2-ethylhexyl)phthalate	16.62	149	586	26.67	ng	# 50
84) Di-n-octyl phthalate	17.74	149	905	23.38	ng	# 100
85) Indeno(1,2,3-cd)pyrene	20.66	276	874	22.61	ng	# 100
87) Benzo(b)fluoranthene	18.29	252	1247	33.70	ng	# 1
88) Benzo(k)fluoranthene	18.29	252	1348	37.63	ng	# 1
89) Benzo(a)pyrene	18.81	252	1169	34.31	ng	# 1
90) Dibenzo(a,h)anthracene	20.71	278	93	2.57	ng	# 1
91) Benzo(g,h,i)perylene	21.12	276	510	14.05	ng	# 1

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

```
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Operator  : TP/IZ  
Sample    : G2215-09 2X  
Misc      :  
ALS Vial  : 12      Sample Multiplier: 1
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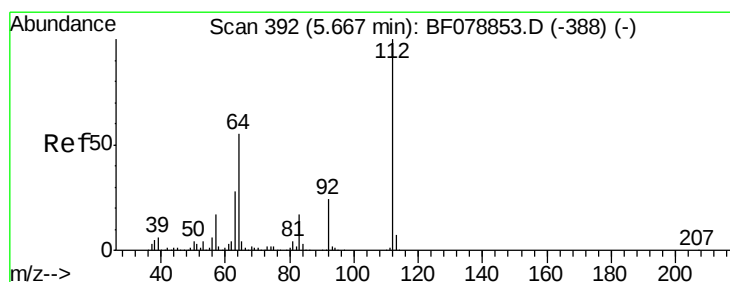
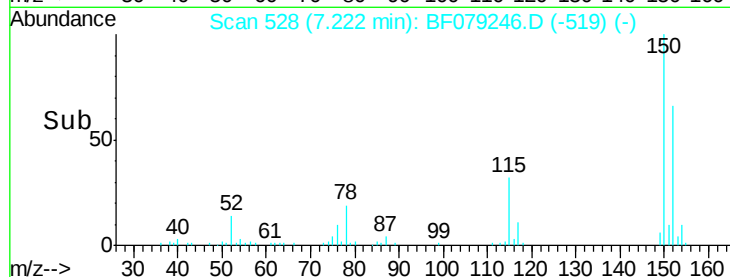
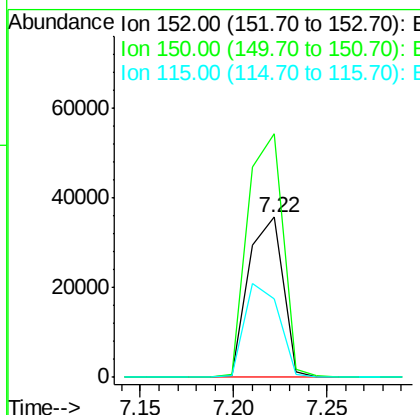
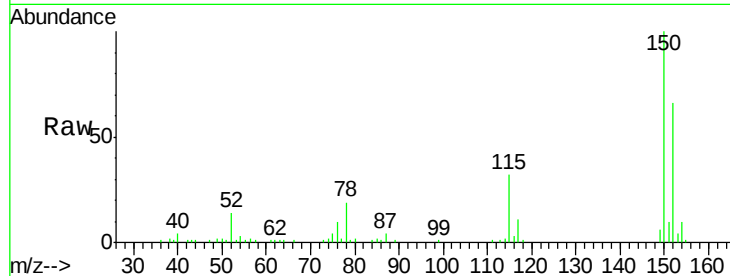




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.22 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

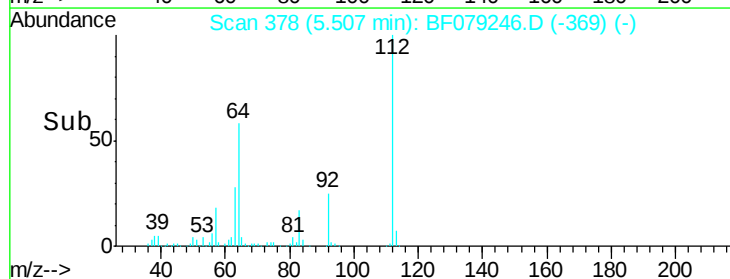
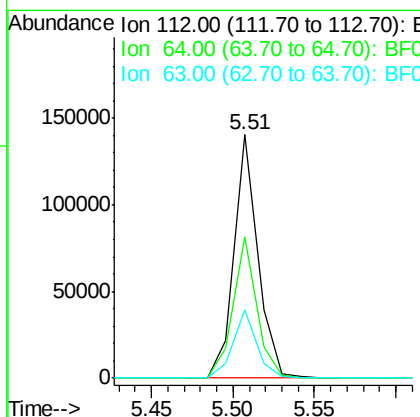
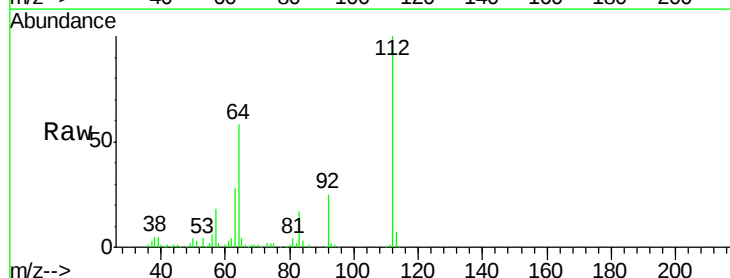
Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

Tgt Ion:152 Resp: 45845
 Ion Ratio Lower Upper
 152 100
 150 152.1 122.0 183.0
 115 49.2 46.3 69.5



#5
 2-Fluorophenol
 Concen: 53.15 ng
 RT: 5.51 min Scan# 378
 Delta R.T. -0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Tgt Ion:112 Resp: 141545
 Ion Ratio Lower Upper
 112 100
 64 57.8 53.5 80.3
 63 27.9 27.5 41.3





#7

Phenol-d6

Concen: 53.00 ng

RT: 6.79 min Scan# 490

Delta R.T. -0.00 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

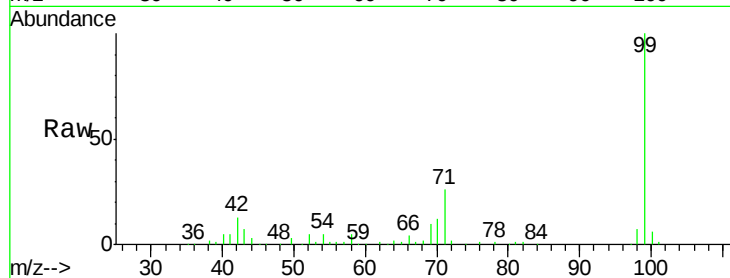
Tgt Ion: 99 Resp: 186580

Ion Ratio Lower Upper

99 100

42 13.2 12.8 19.2

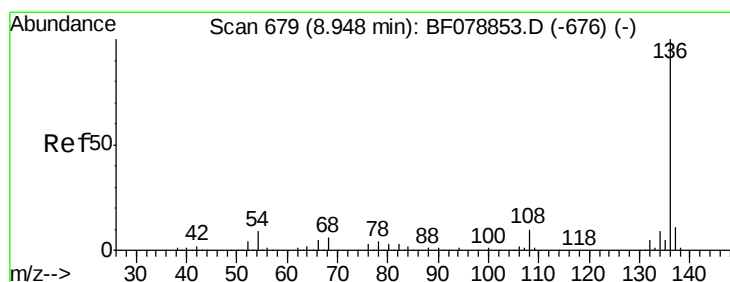
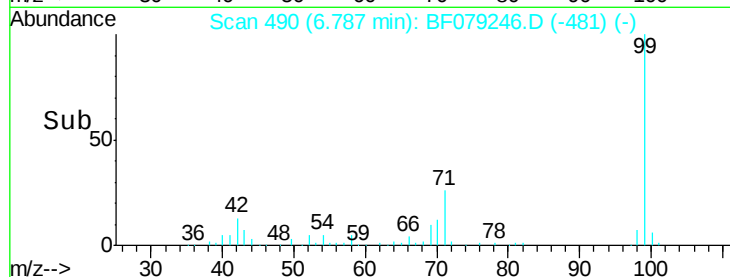
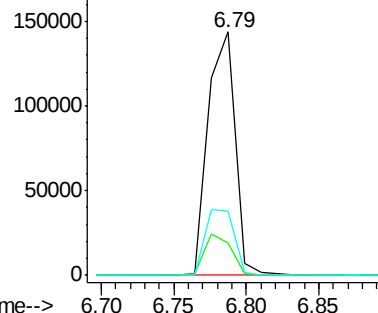
71 26.4 23.4 35.2



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: 8.79 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Tgt Ion: 136 Resp: 186509

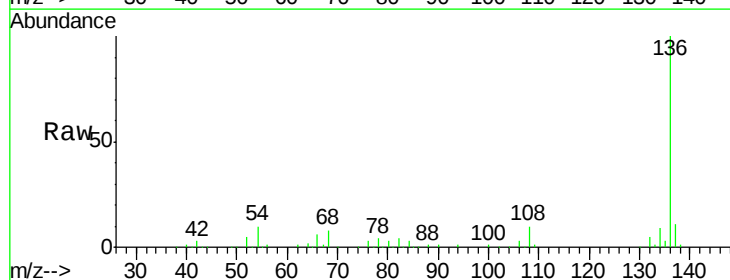
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 10.0 5.8 8.8#

68 7.6 4.2 6.4#

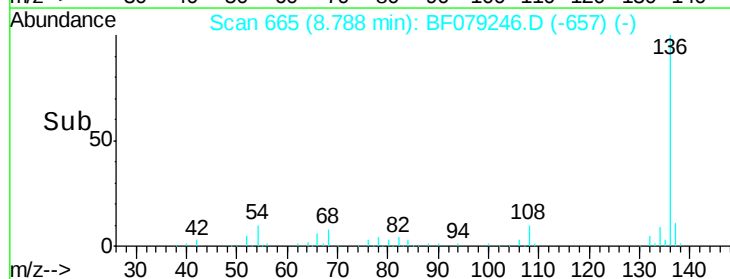
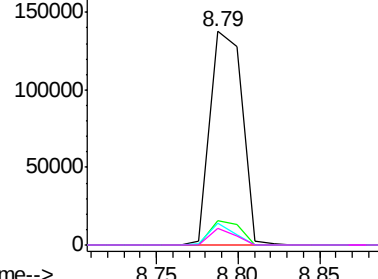


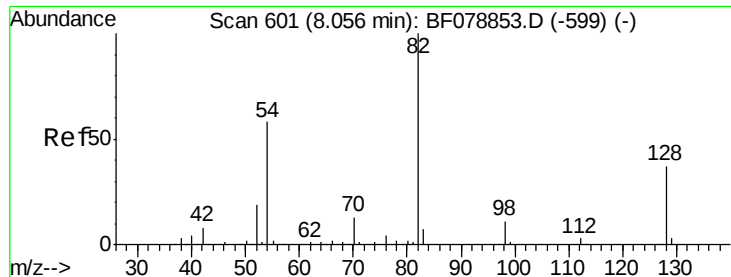
Abundance Ion 136.00 (135.70 to 136.70): E

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

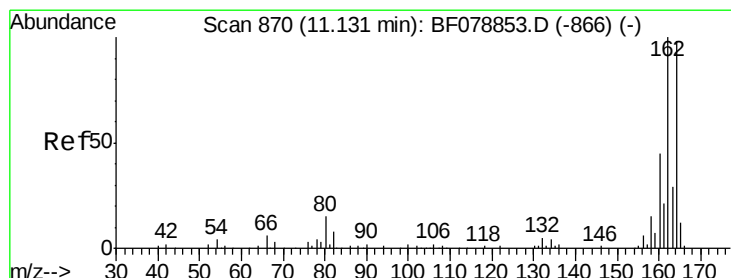
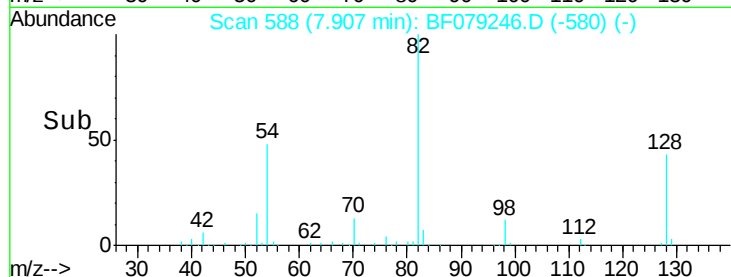
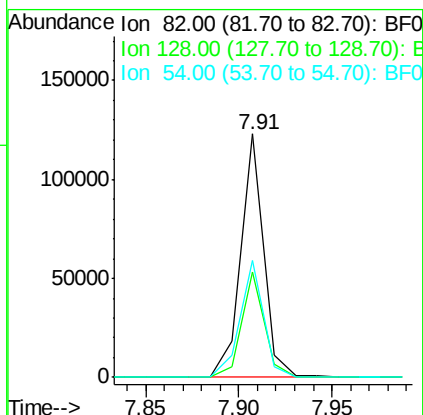
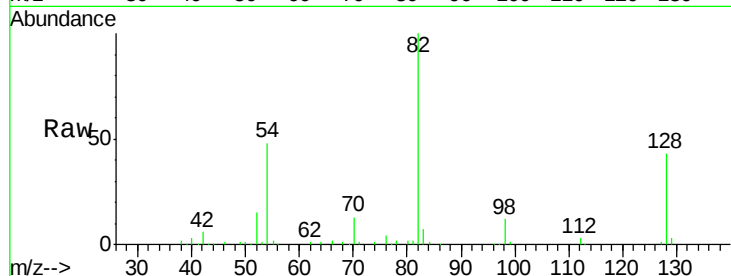




#23
 Nitrobenzene-d5
 Concen: 32.60 ng
 RT: 7.91 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

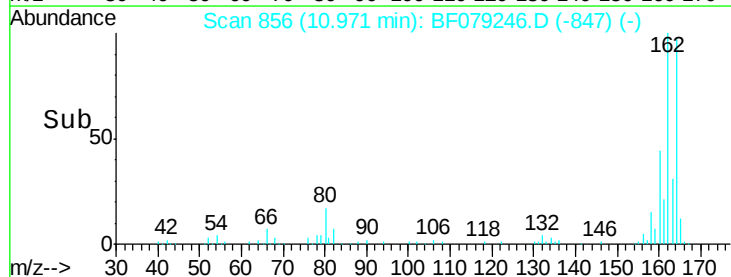
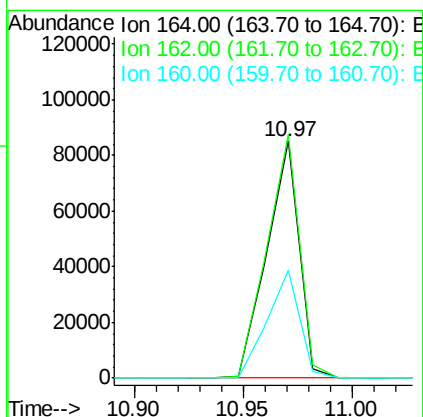
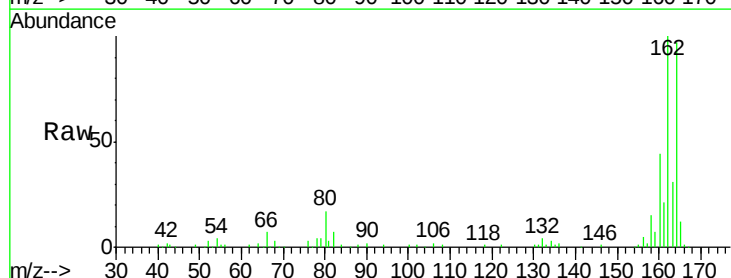
Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

Tgt Ion: 82 Resp: 105784
 Ion Ratio Lower Upper
 82 100
 128 43.2 30.0 45.0
 54 48.0 46.4 69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Tgt Ion: 164 Resp: 88588
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.7 124.1
 160 45.5 35.8 53.8

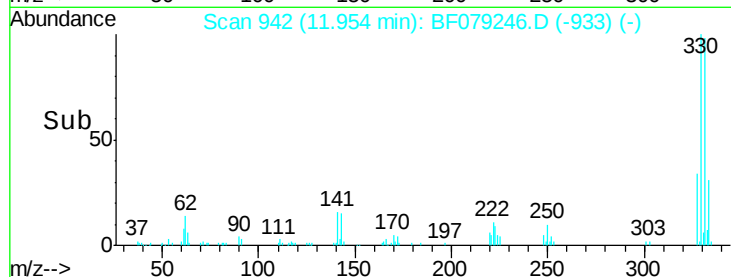
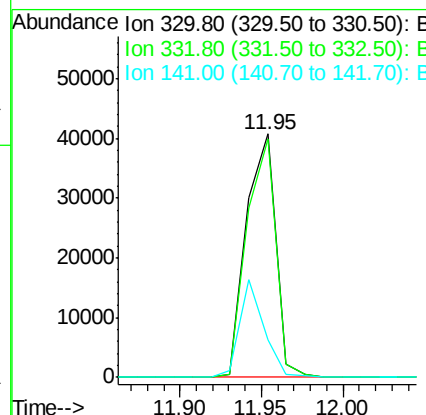
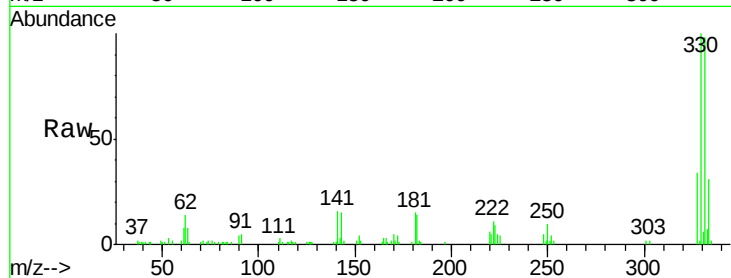




#41
 2,4,6-Tribromophenol
 Concen: 52.84 ng
 RT: 11.95 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

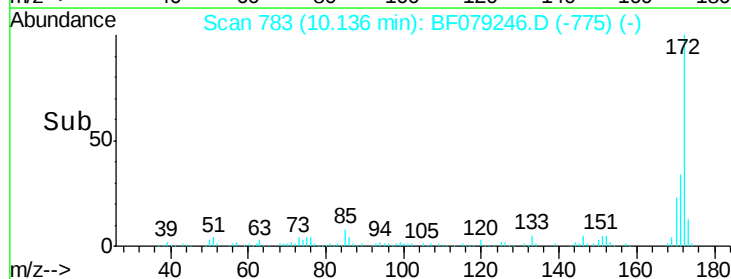
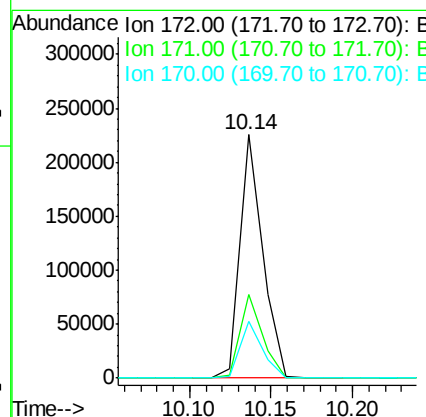
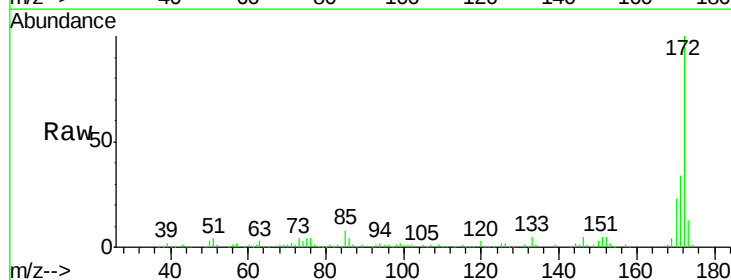
Instrument :
 BNA_F
 ClientSampled :
 SB-38S

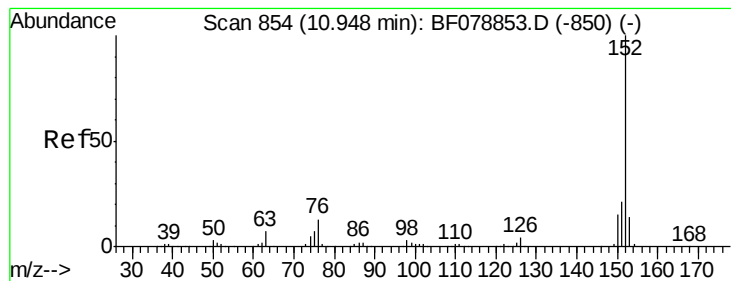
Tgt Ion:330 Resp: 50639
 Ion Ratio Lower Upper
 330 100
 332 96.8 0.0 0.0#
 141 33.3 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 33.89 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Tgt Ion:172 Resp: 215460
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.9 41.9
 170 23.4 19.4 29.0





#48

Acenaphthylene

Concen: 6.72 ng

RT: 10.79 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

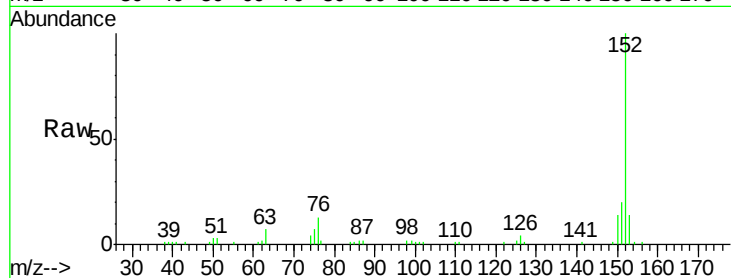
Tgt Ion:152 Resp: 60607

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

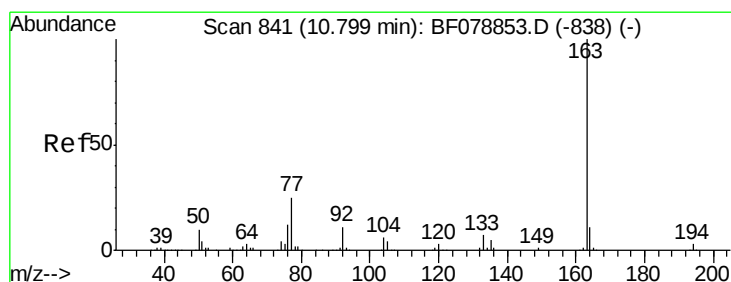
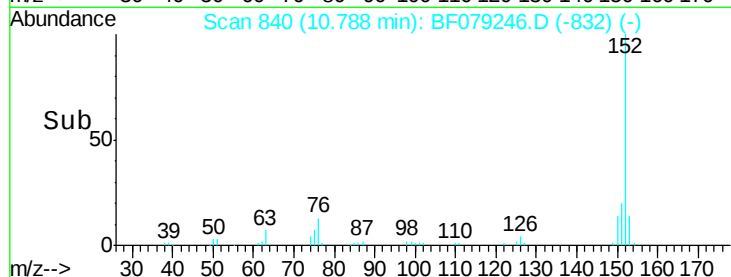
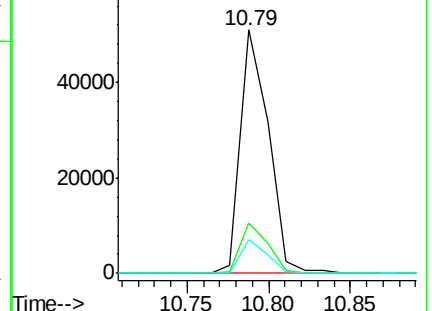
153 13.8 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.07 ng

RT: 10.65 min Scan# 828

Delta R.T. -0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

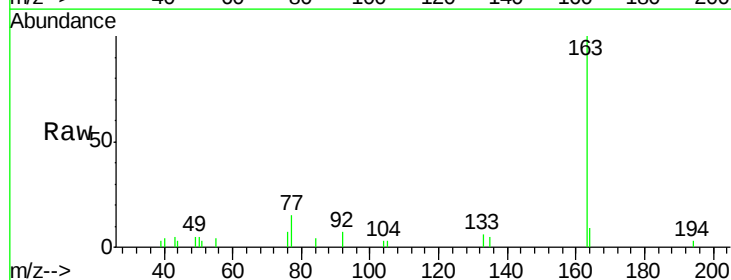
Tgt Ion:163 Resp: 13426

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

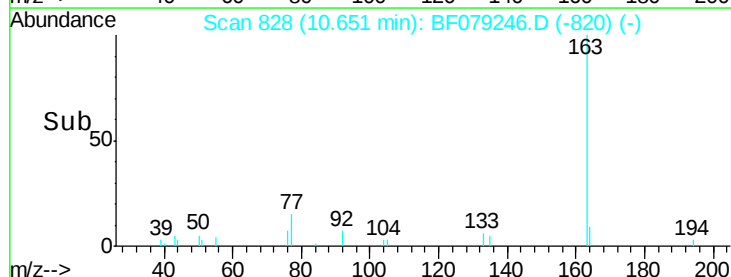
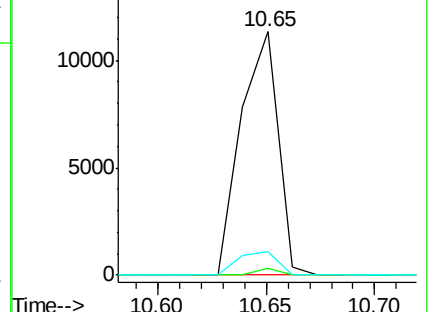
164 9.4 8.1 12.1

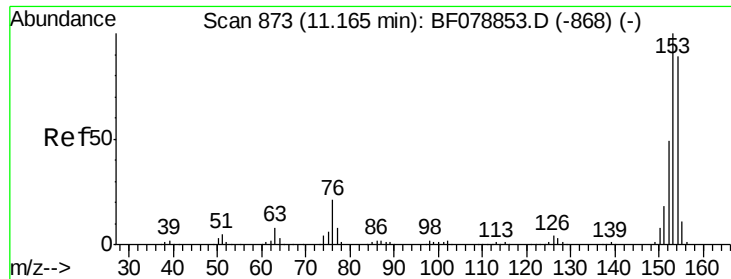


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.98 ng

RT: 11.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

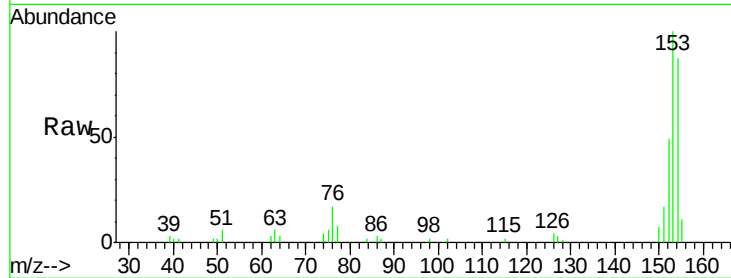
Tgt Ion:154 Resp: 16030

Ion Ratio Lower Upper

154 100

153 115.3 91.5 137.3

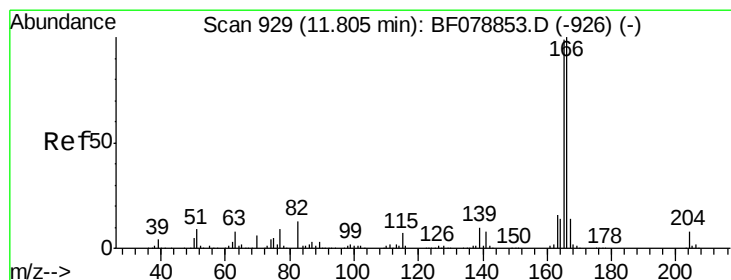
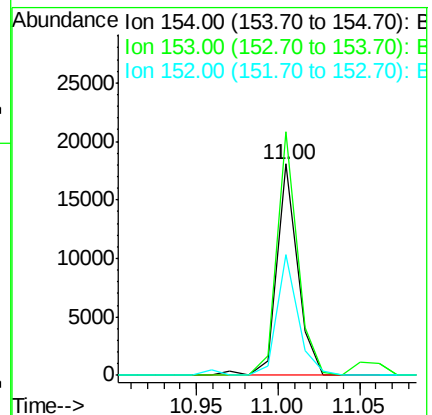
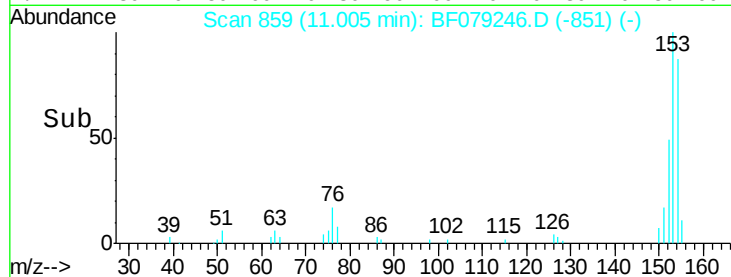
152 56.9 44.2 66.4



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: 3.25 ng

RT: 11.64 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

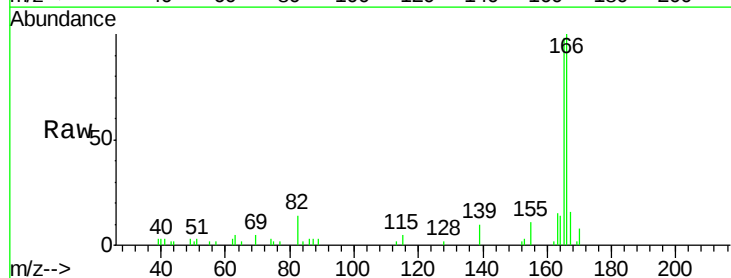
Tgt Ion:166 Resp: 20728

Ion Ratio Lower Upper

166 100

165 97.8 78.5 117.7

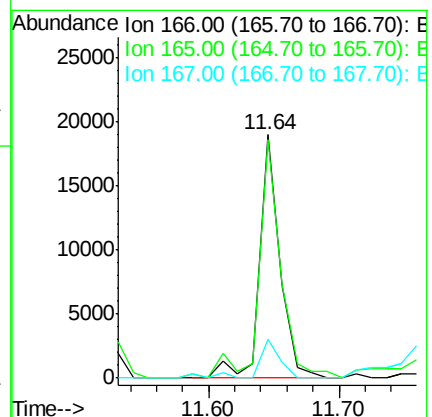
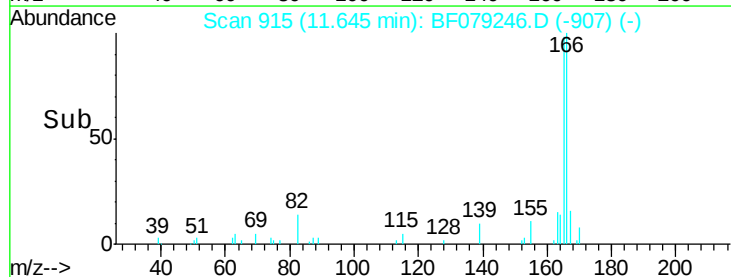
167 16.1 11.0 16.6

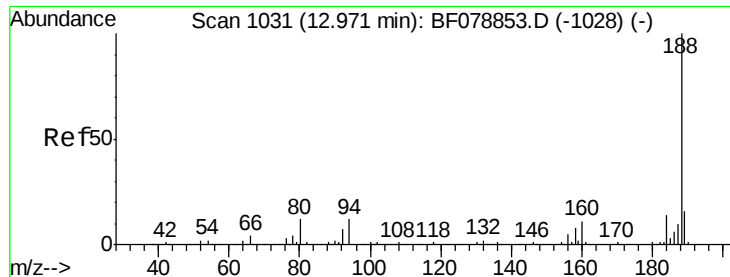


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

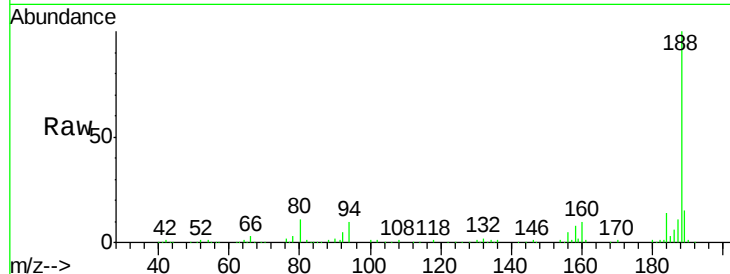




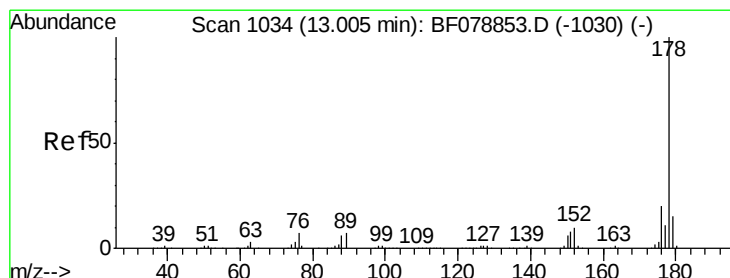
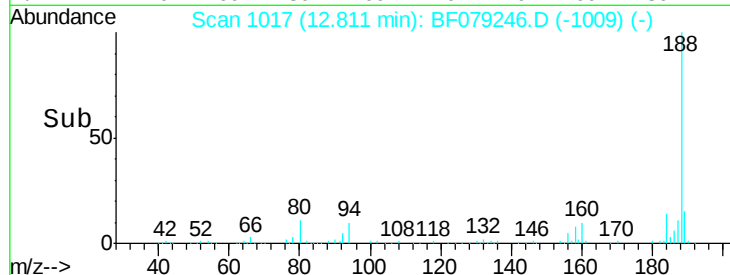
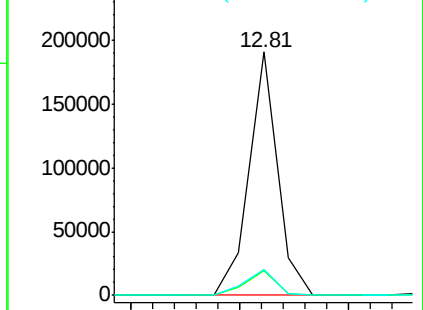
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF079246.D
Acq: 14 May 2015 22:07

Instrument :
BNA_F
ClientSampled :
SB-38S

Tgt Ion:188 Resp: 174329
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.2
80 10.6 8.9 13.3

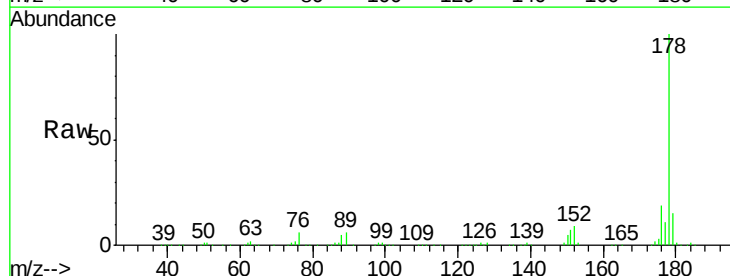


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

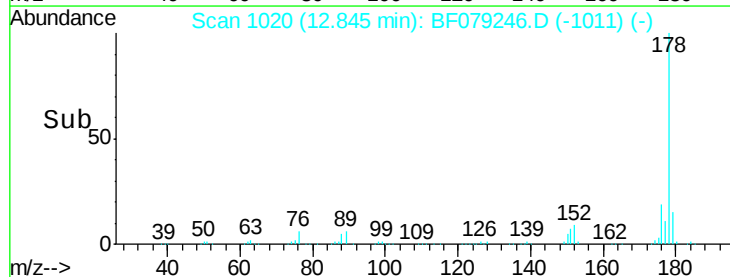
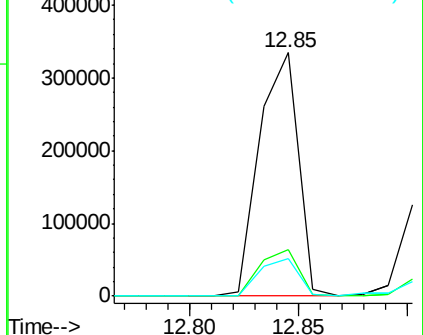


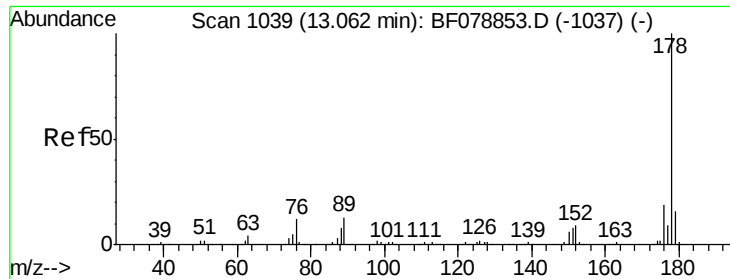
#70
Phenanthrene
Concen: 43.07 ng
RT: 12.85 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF079246.D
Acq: 14 May 2015 22:07

Tgt Ion:178 Resp: 420052
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.2 12.5 18.7



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

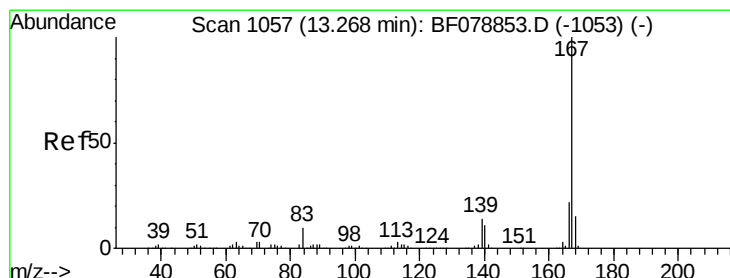
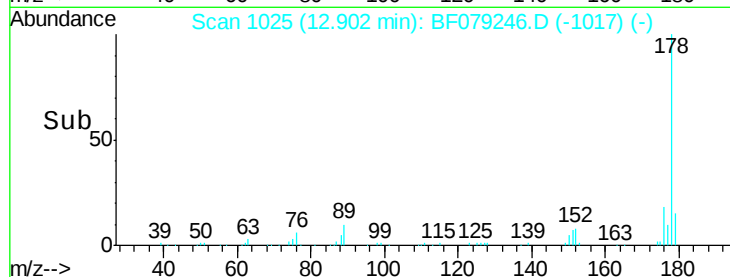
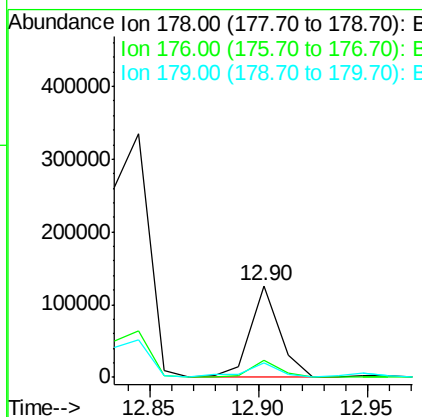
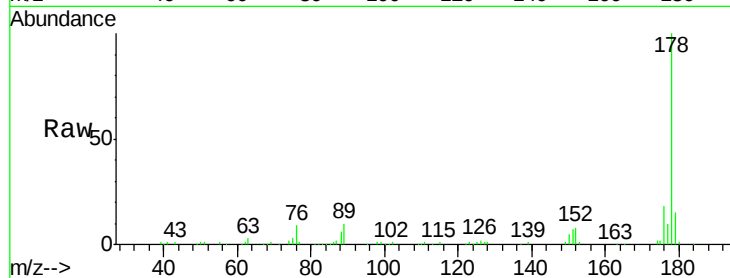




#71
 Anthracene
 Concen: 12.06 ng
 RT: 12.90 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

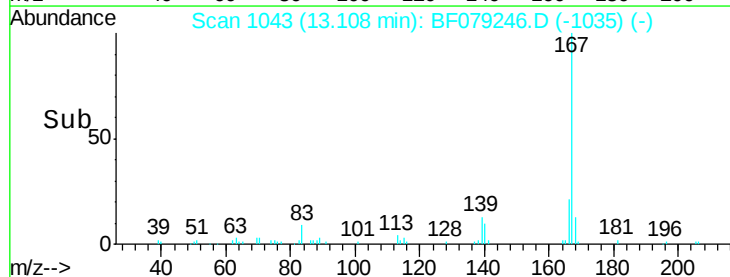
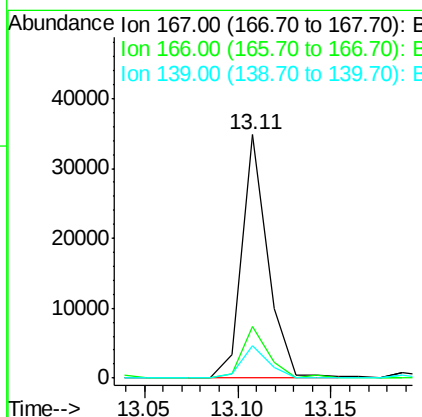
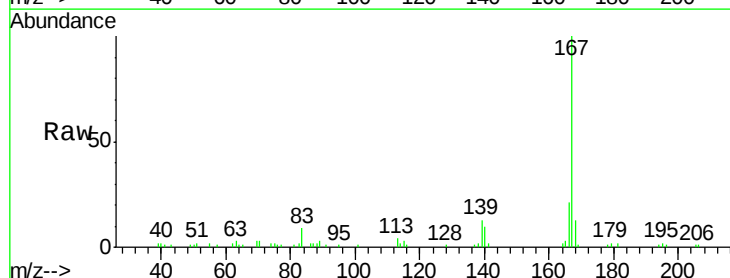
Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

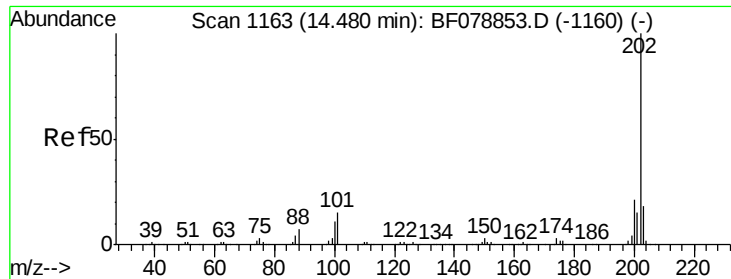
Tgt Ion:178 Resp: 115410
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.5 23.3
 179 15.3 12.7 19.1



#72
 Carbazole
 Concen: 3.70 ng
 RT: 13.11 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Tgt Ion:167 Resp: 33782
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.8 26.8
 139 13.4 10.6 16.0





#74

Fluoranthene

Concen: 82.16 ng

RT: 14.32 min Scan# 1149

Delta R.T. -0.06 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

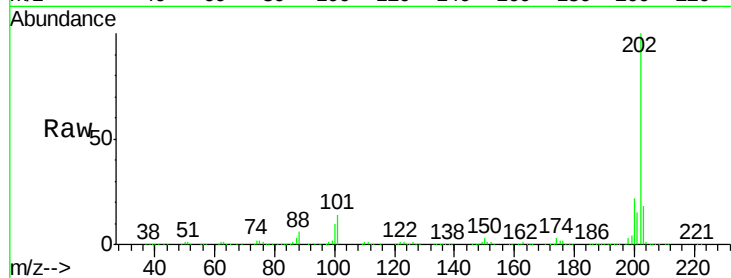
Tgt Ion:202 Resp: 834980

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.6

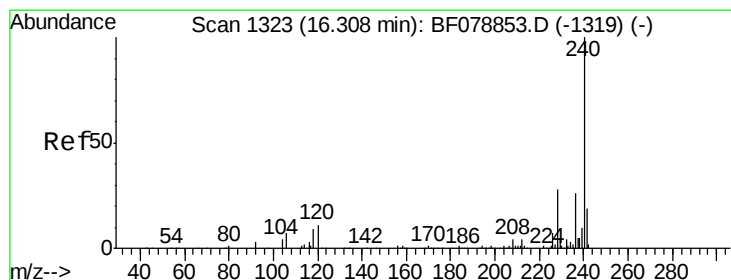
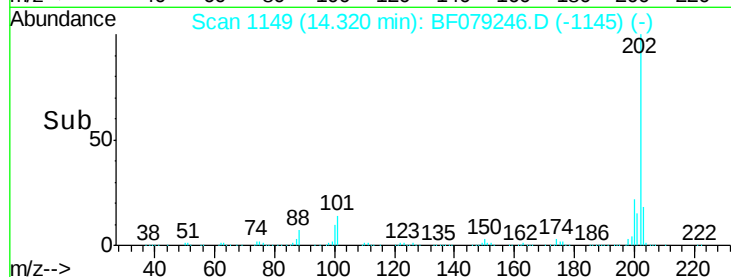
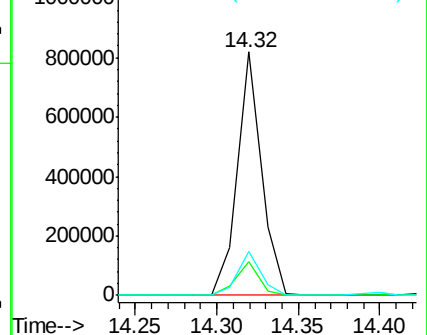
203 18.1 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.53 min Scan# 1342

Delta R.T. 0.02 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

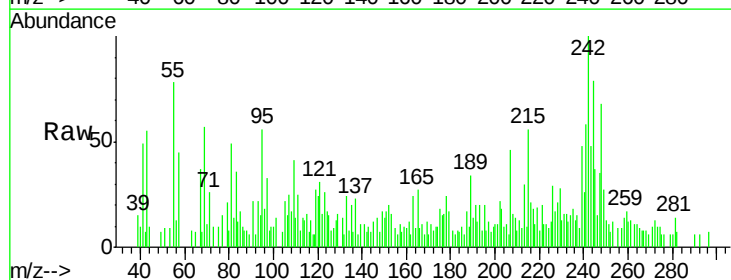
Tgt Ion:240 Resp: 576

Ion Ratio Lower Upper

240 100

120 93.6 9.7 14.5#

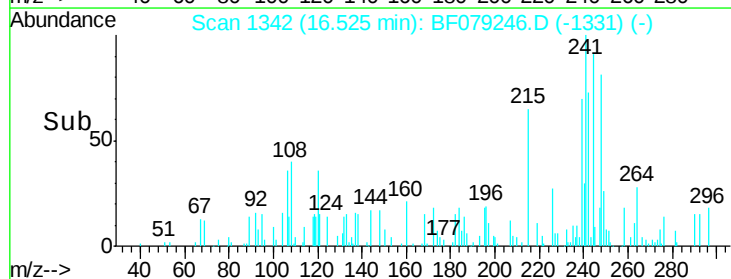
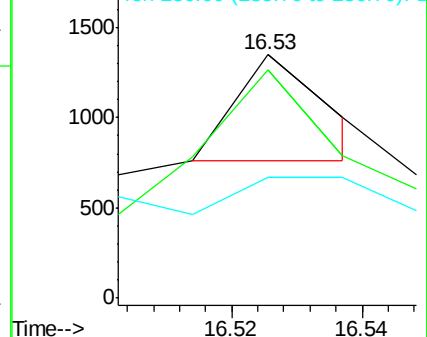
236 49.6 20.2 30.4#

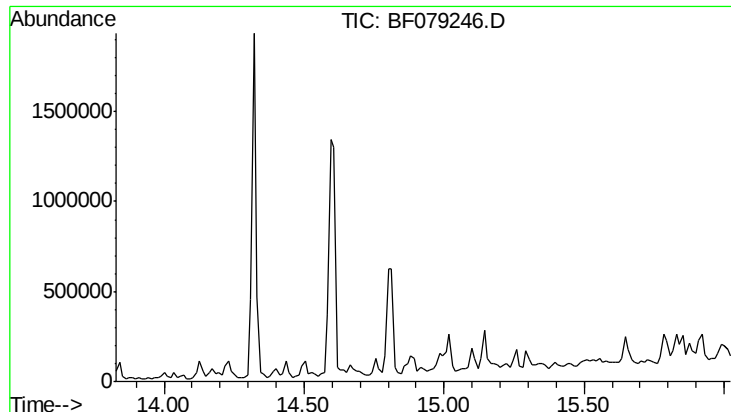


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

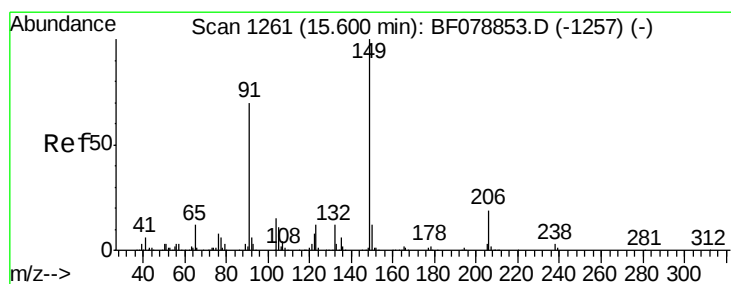
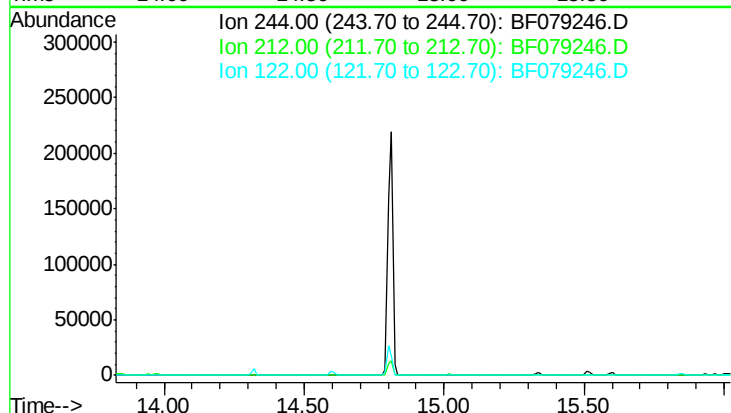




#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.93 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

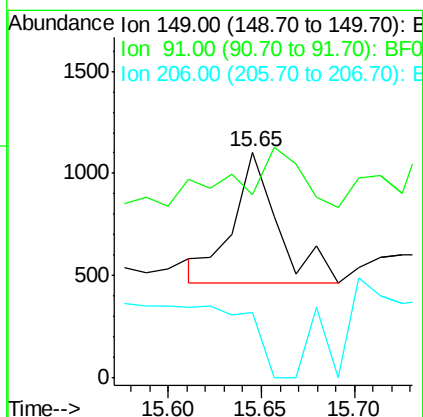
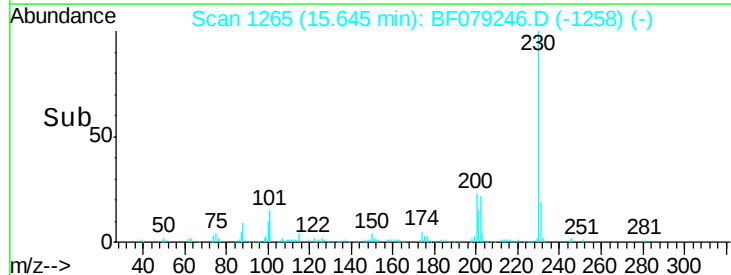
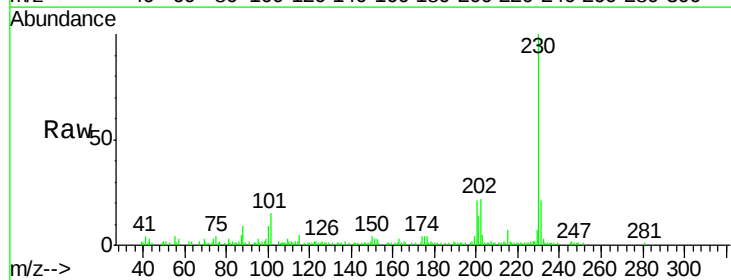
Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

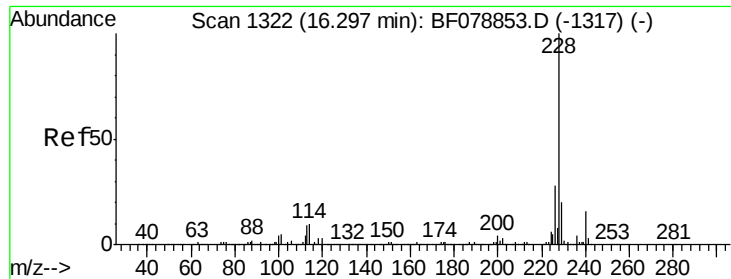
Tgt Ion: 244
 Sig Exp Ratio
 244 100
 212 7.0
 122 12.9



#79
 Butylbenzylphthalate
 Concen: 73.40 ng
 RT: 15.65 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Tgt Ion: 149 Resp: 1065
 Ion Ratio Lower Upper
 149 100
 91 81.2 64.6 97.0
 206 28.9 12.2 18.4#





#80

Benzo(a)anthracene

Concen: 7.42 ng

RT: 16.53 min Scan# 1342

Delta R.T. 0.03 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampled :

SB-38S

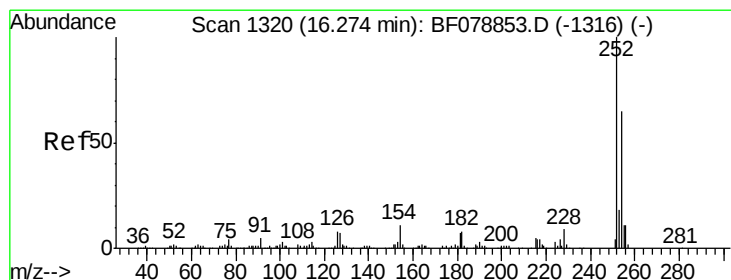
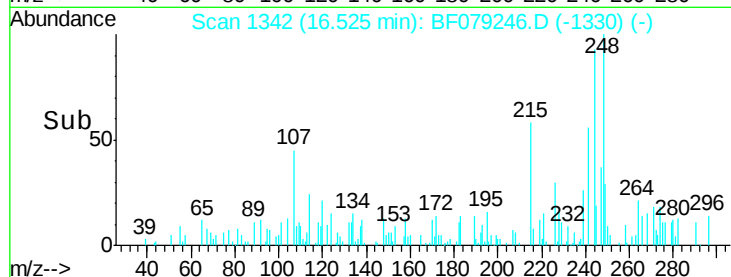
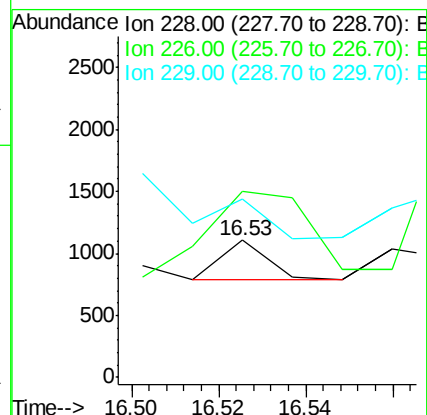
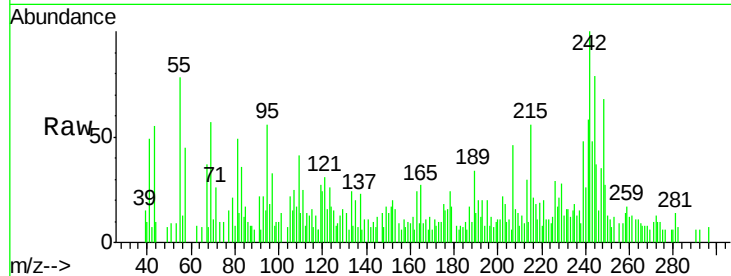
Tgt Ion:228 Resp: 234

Ion Ratio Lower Upper

228 100

226 135.6 22.6 33.8#

229 129.7 15.9 23.9#



#81

3,3'-Dichlorobenzidine

Concen: 189.58 ng

RT: 16.45 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

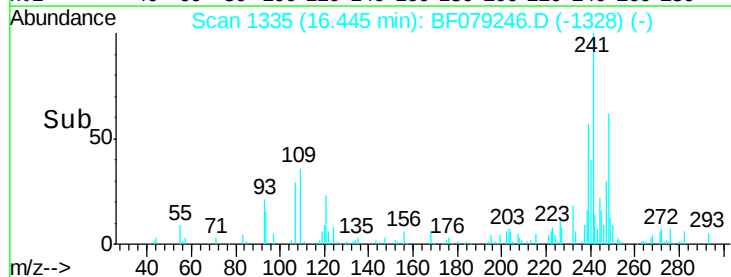
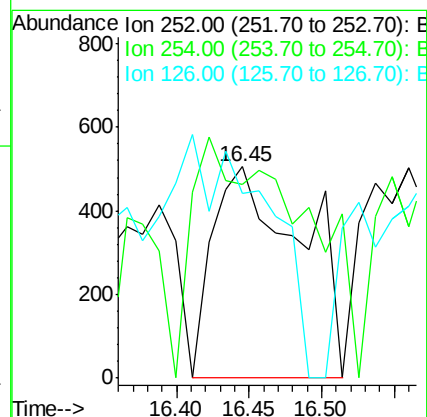
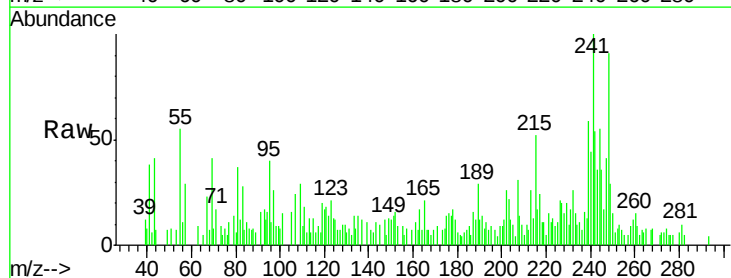
Tgt Ion:252 Resp: 2130

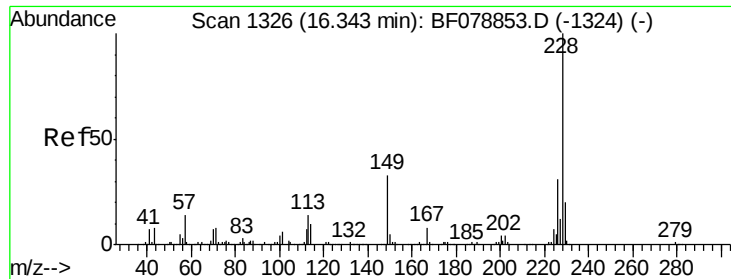
Ion Ratio Lower Upper

252 100

254 91.5 51.3 76.9#

126 87.4 6.6 10.0#





#82

Chrysene

Concen: 60.88 ng

RT: 16.62 min Scan# 1350

Delta R.T. 0.07 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

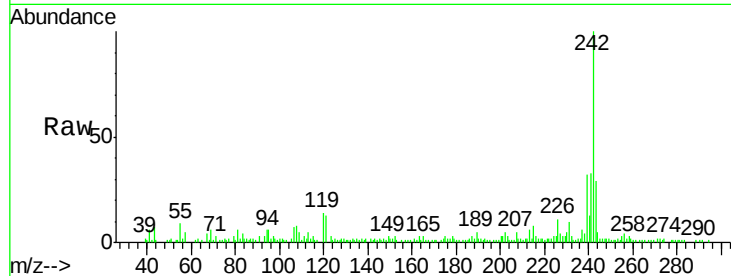
Tgt Ion:228 Resp: 1847

Ion Ratio Lower Upper

228 100

226 321.6 24.9 37.3#

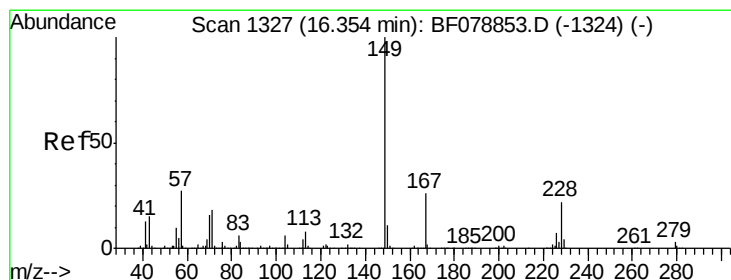
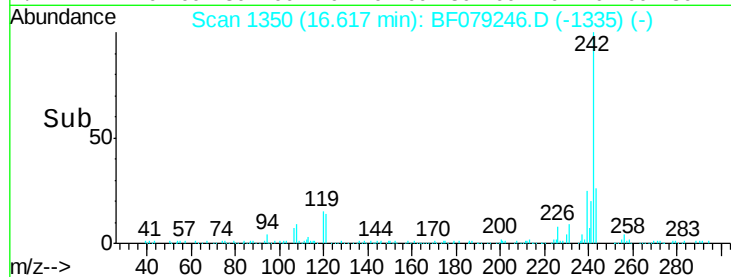
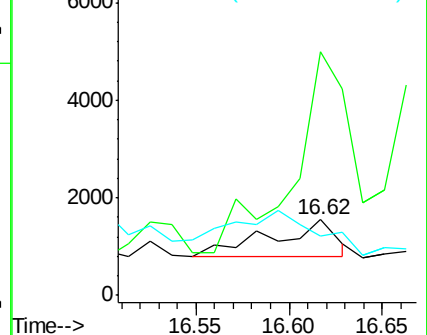
229 78.5 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 26.67 ng

RT: 16.62 min Scan# 1350

Delta R.T. 0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

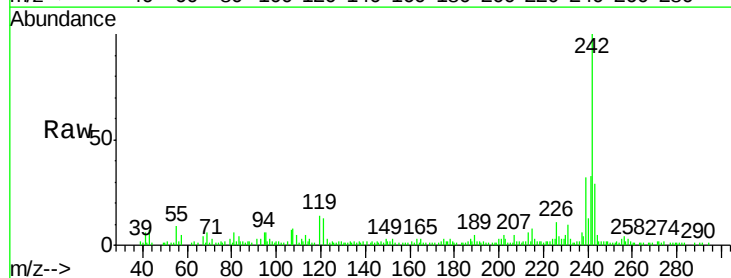
Tgt Ion:149 Resp: 586

Ion Ratio Lower Upper

149 100

167 51.3 21.8 32.8#

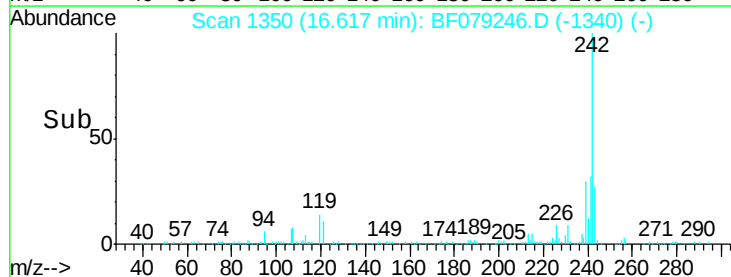
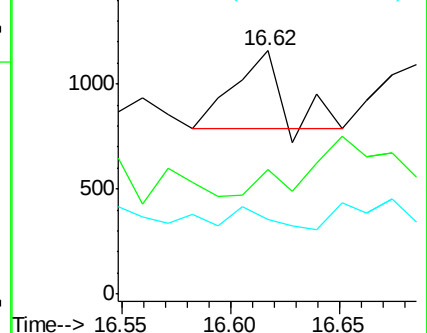
279 30.5 2.9 4.3#

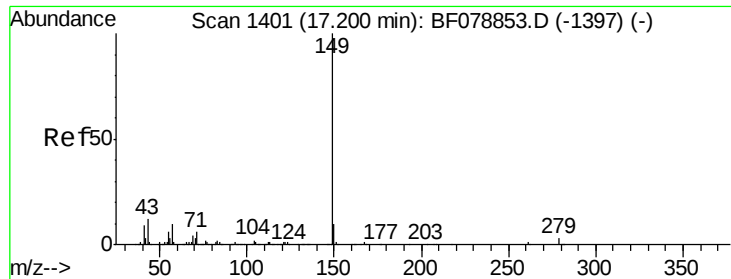


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 23.38 ng

RT: 17.74 min Scan# 1448

Delta R.T. 0.03 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

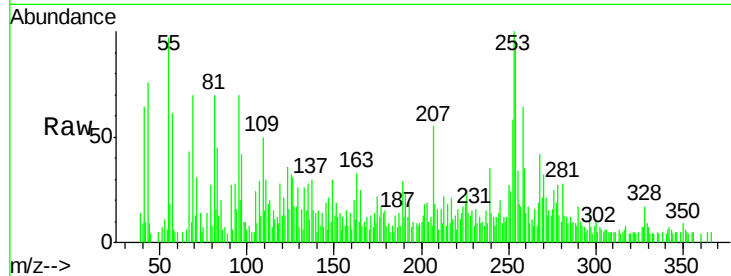
Tgt Ion:149 Resp: 905

Ion Ratio Lower Upper

149 100

167 57.9 0.0 0.0#

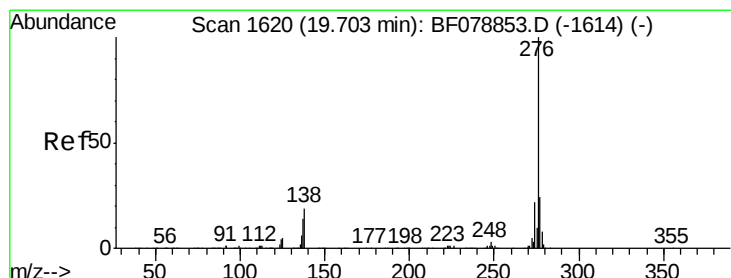
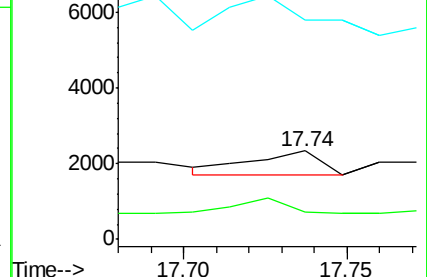
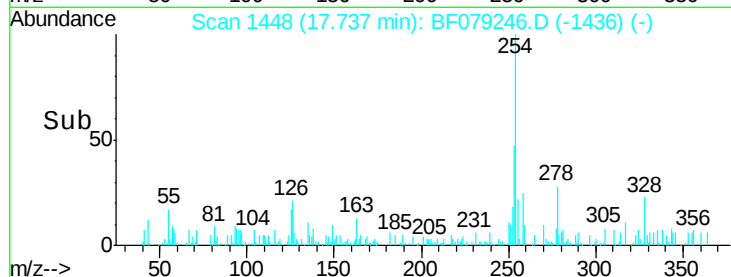
43 197.1 0.0 0.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 22.61 ng

RT: 20.66 min Scan# 1704

Delta R.T. 0.02 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

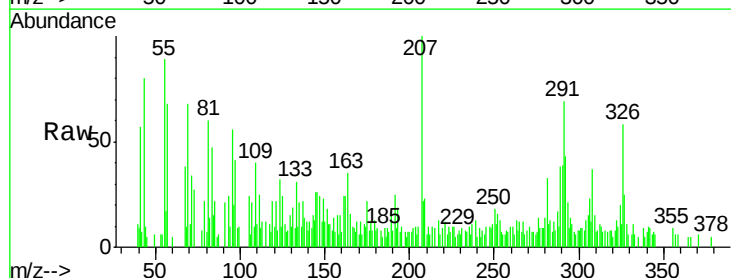
Tgt Ion:276 Resp: 874

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

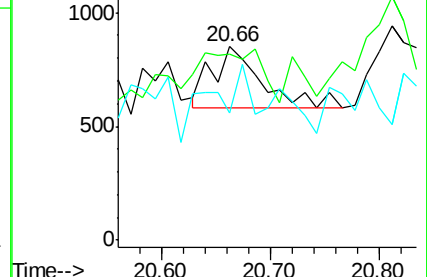
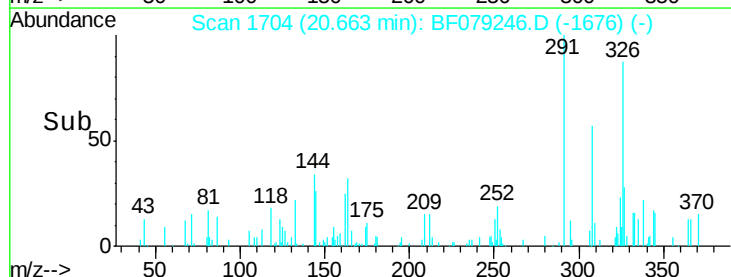
277 0.0 0.0 0.0

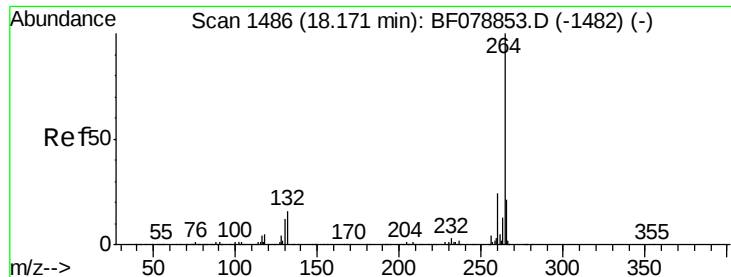


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

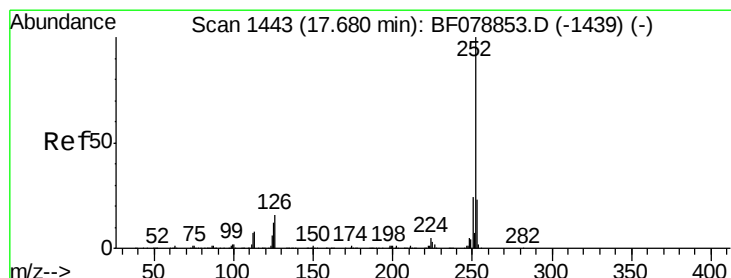
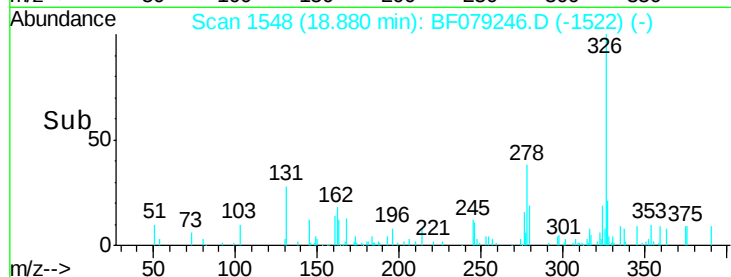
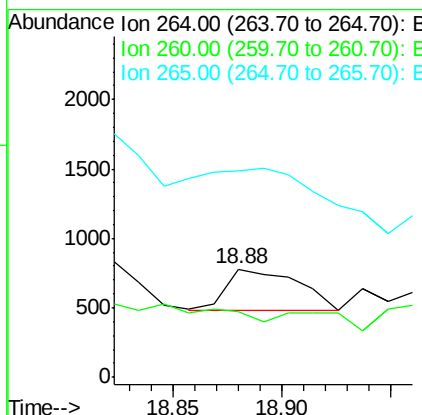
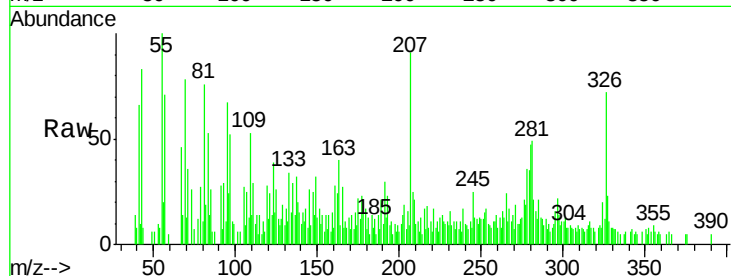




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.88 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF079246.D
Acq: 14 May 2015 22:07

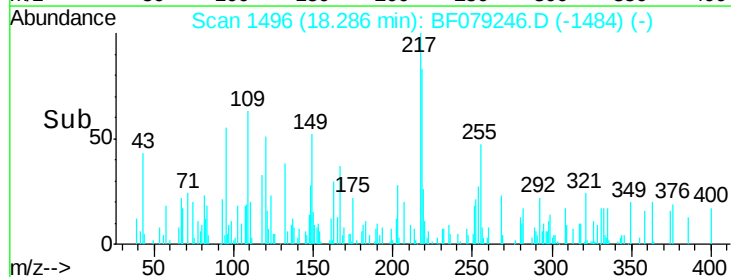
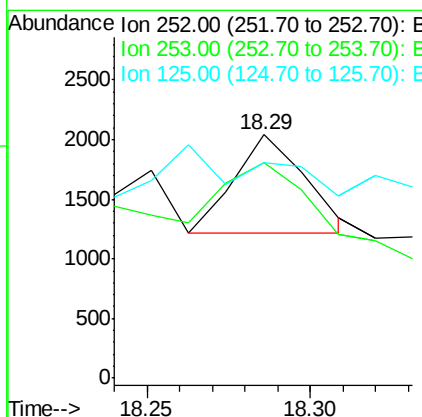
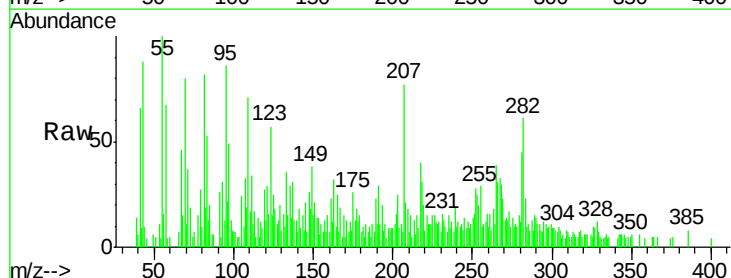
Instrument :
BNA_F
ClientSampleId :
SB-38S

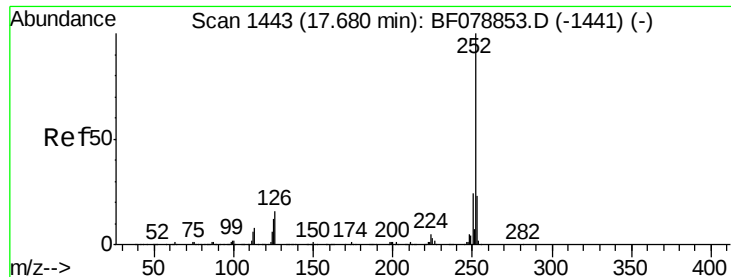
Tgt Ion:264 Resp: 676
Ion Ratio Lower Upper
264 100
260 60.2 19.4 29.2#
265 191.3 18.3 27.5#



#87
Benzo(b)fluoranthene
Concen: 33.70 ng
RT: 18.29 min Scan# 1496
Delta R.T. 0.03 min
Lab File: BF079246.D
Acq: 14 May 2015 22:07

Tgt Ion:252 Resp: 1247
Ion Ratio Lower Upper
252 100
253 88.6 17.7 26.5#
125 88.5 9.5 14.3#





#88

Benzo(k)fluoranthene

Concen: 37.63 ng

RT: 18.29 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

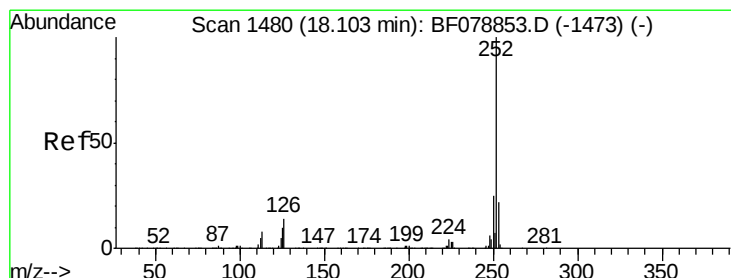
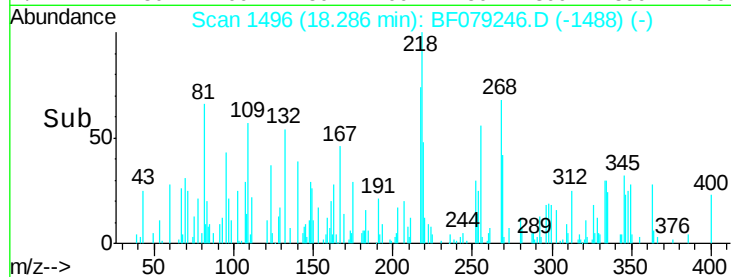
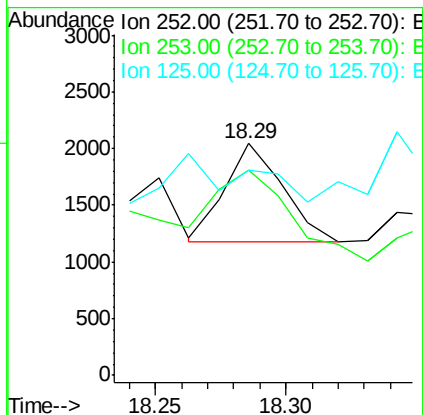
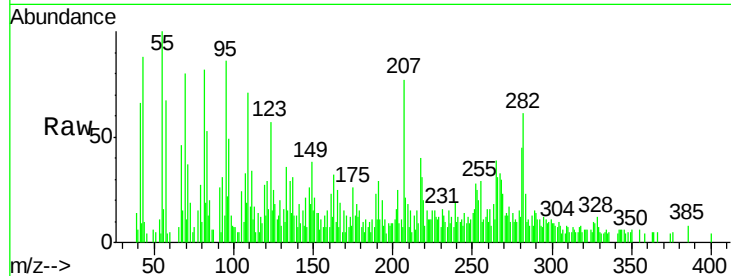
Tgt Ion:252 Resp: 1348

Ion Ratio Lower Upper

252 100

253 88.6 18.1 27.1#

125 88.5 10.0 15.0#



#89

Benzo(a)pyrene

Concen: 34.31 ng

RT: 18.81 min Scan# 1542

Delta R.T. 0.02 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

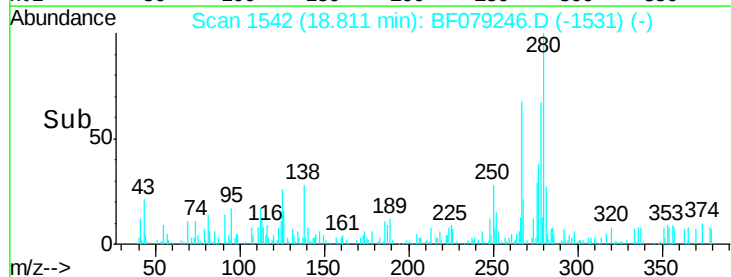
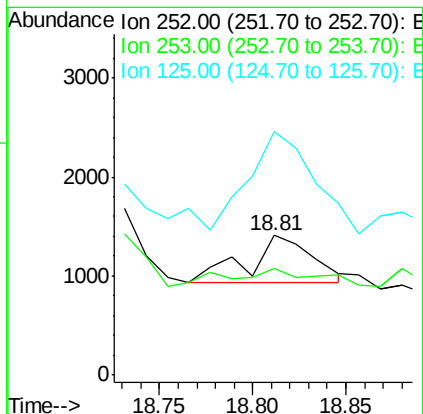
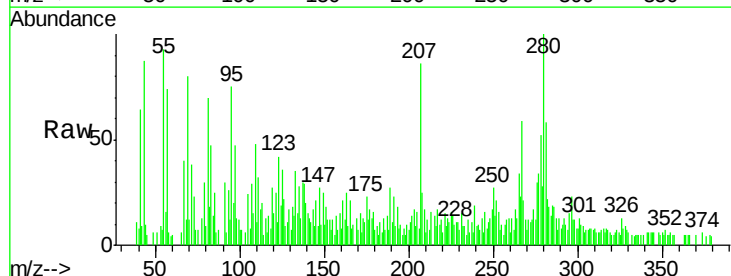
Tgt Ion:252 Resp: 1169

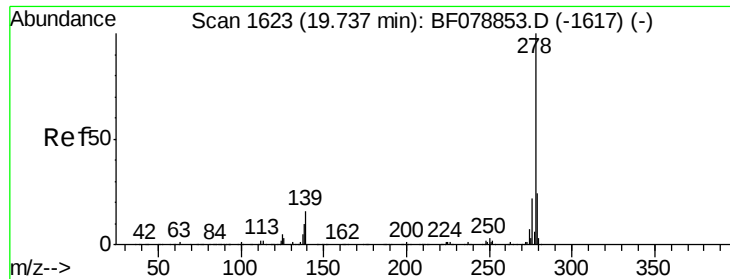
Ion Ratio Lower Upper

252 100

253 76.7 17.3 25.9#

125 174.6 7.0 10.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.57 ng

RT: 20.71 min Scan# 1708

Delta R.T. 0.02 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

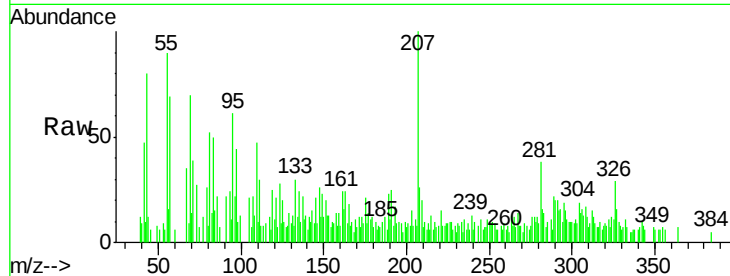
Tgt Ion:278 Resp: 93

Ion Ratio Lower Upper

278 100

139 133.3 12.8 19.2#

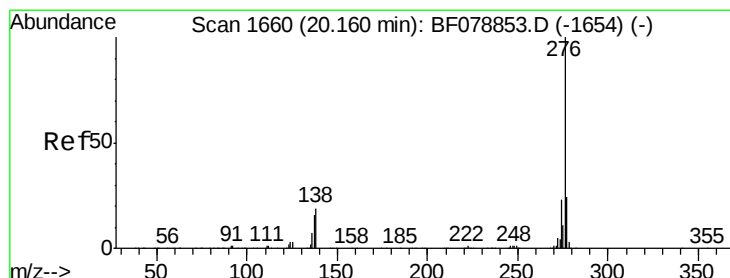
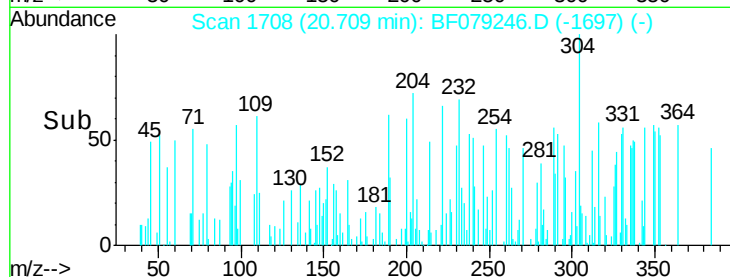
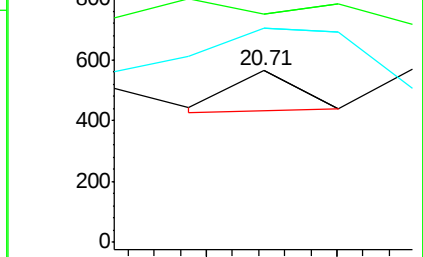
279 124.8 19.6 29.4#



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: 14.05 ng

RT: 21.12 min Scan# 1744

Delta R.T. 0.03 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

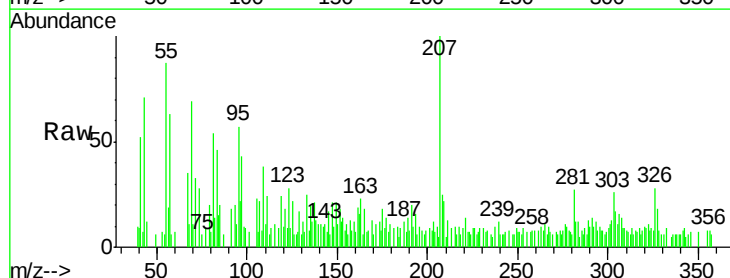
Tgt Ion:276 Resp: 510

Ion Ratio Lower Upper

276 100

277 88.9 18.6 28.0#

138 119.8 17.4 26.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

