

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
 Data File : BF079323.D
 Acq On : 19 May 2015 00:36
 Operator : TP/IZ
 Sample : G2270-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15

Quant Time: May 19 02:05:37 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	8.74	136	175630	20.00	ng	-0.06
38) Acenaphthene-d10	10.91	164	92896	20.00	ng	-0.06
63) Phenanthrene-d10	12.75	188	183745	20.00	ng	-0.07
75) Chrysene-d12	16.05	240	203459	20.00	ng	-0.46
86) Perylene-d12	18.33	264	2668	20.00	ng	-0.55

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.86	82	125369	41.03	ng	-0.06
41) 2,4,6-Tribromophenol	11.90	330	67404	67.07	ng	-0.06
44) 2-Fluorobiphenyl	10.09	172	266311	39.94	ng	-0.06
78) Terphenyl-d14	0.00	244	0	0.00	ng	

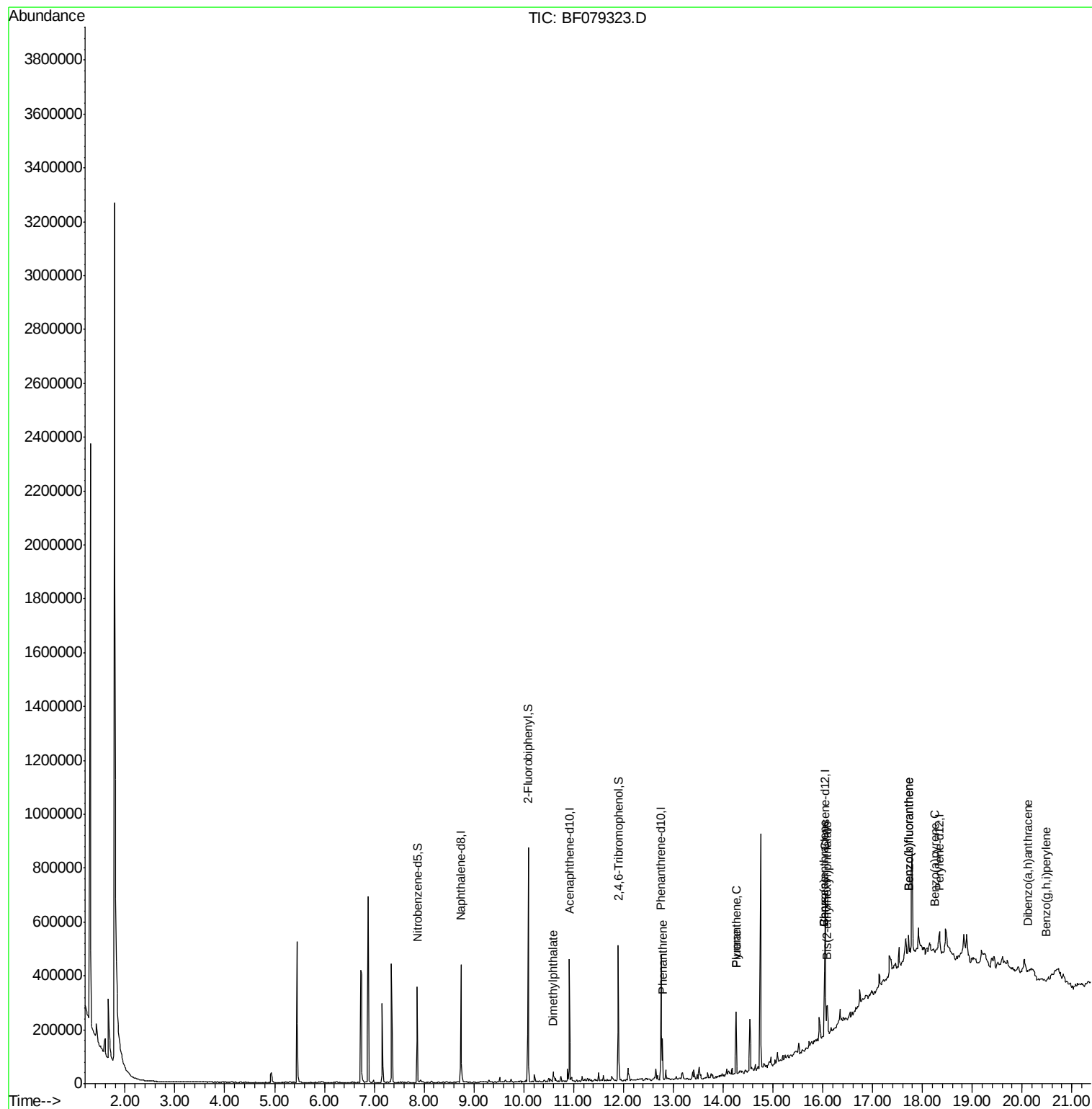
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.59	163	16174	2.37	ng	99
70) Phenanthrene	12.79	178	67973	6.61	ng	99
74) Fluoranthene	14.26	202	96460	9.01	ng	95
77) Pyrene	14.26	202	96460	8.23	ng	98
80) Benzo(a)anthracene	16.03	228	50675	4.55	ng	93
82) Chrysene	16.03	228	50675	4.73	ng	97
83) Bis(2-ethylhexyl)phthalate	16.09	149	33741	4.35	ng	98
87) Benzo(b)fluoranthene	17.73	252	35483	242.98	ng	# 86
88) Benzo(k)fluoranthene	17.73	252	34907	246.92	ng	# 82
89) Benzo(a)pyrene	18.24	252	337	2.51	ng	# 1
90) Dibenzo(a,h)anthracene	20.11	278	340	2.38	ng	# 1
91) Benzo(g,h,i)perylene	20.48	276	994	6.94	ng	# 1

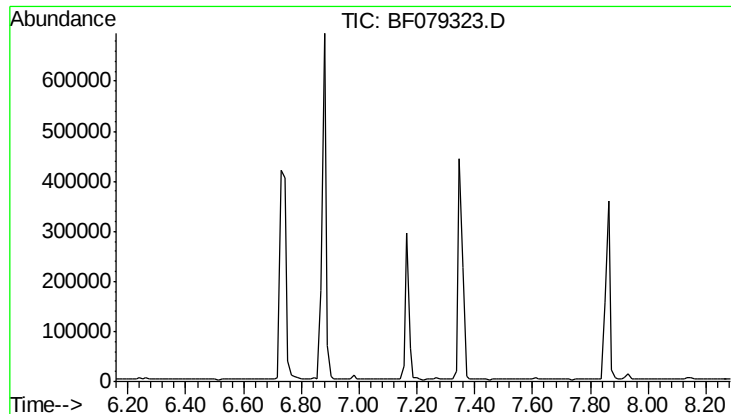
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.22 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

Instrument :

BNA_F

ClientSampleId :

SB-15

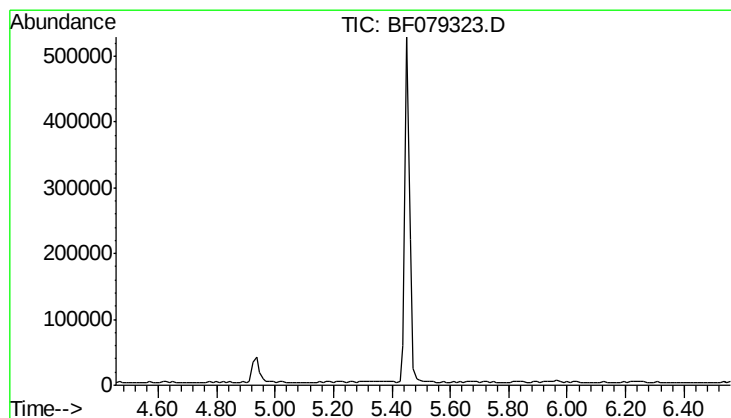
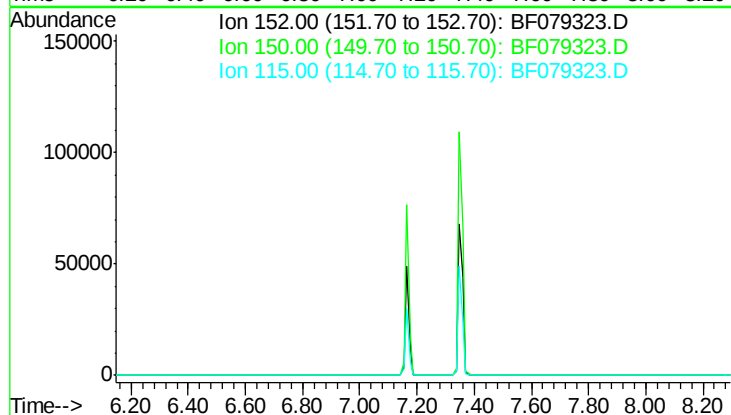
Tgt Ion: 152

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: BF079323.D

Acq: 19 May 2015 00:36

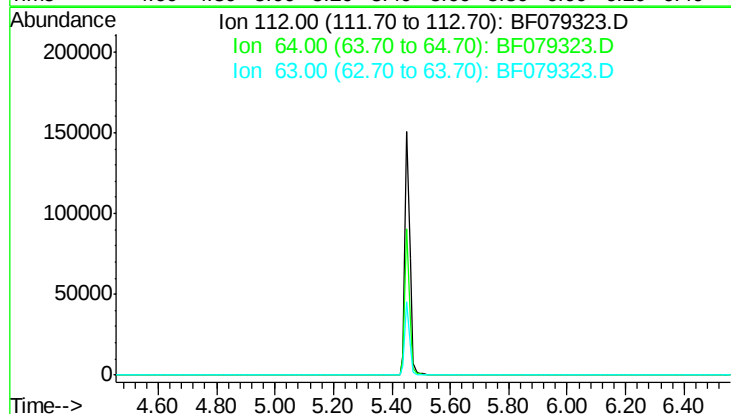
Tgt Ion: 112

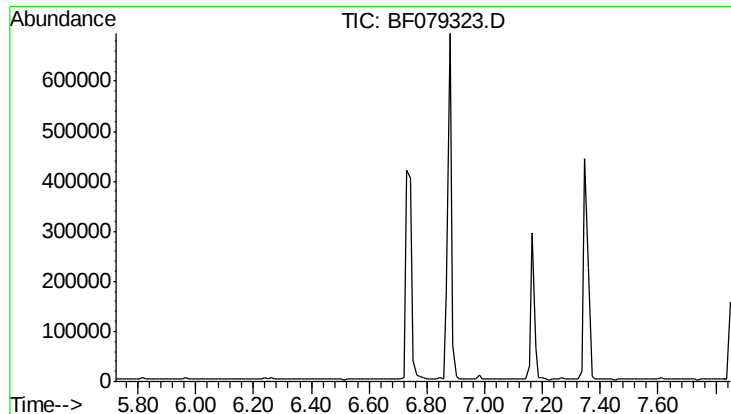
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

Instrument :

BNA_F

ClientSampleId :

SB-15

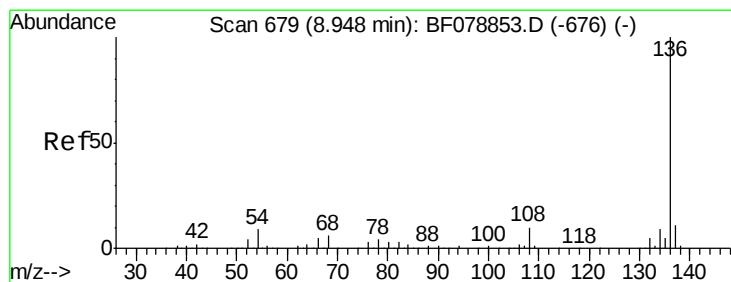
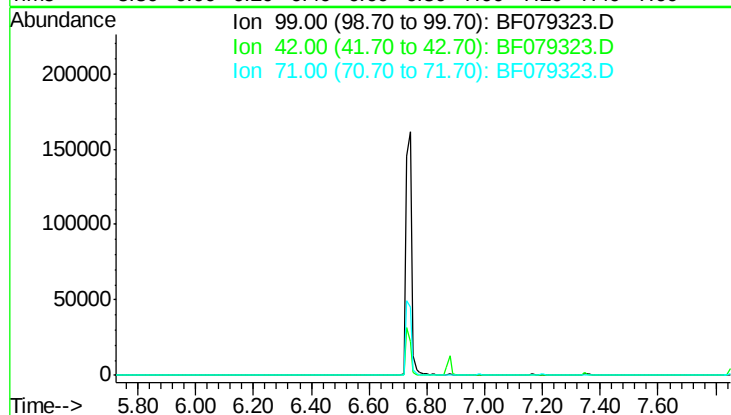
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.06 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

Tgt Ion:136 Resp: 175630

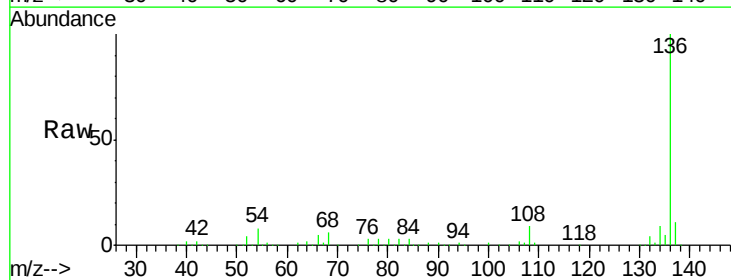
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 7.7 6.9 10.3

68 5.6 4.9 7.3

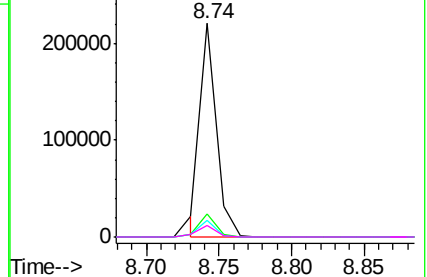
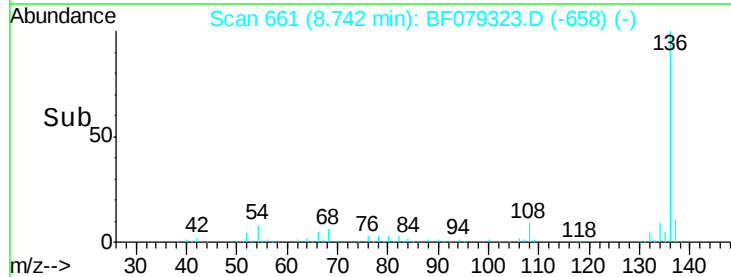


Abundance Ion 136.00 (135.70 to 136.70): E

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

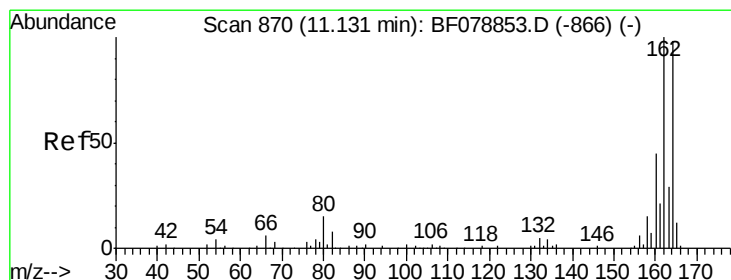
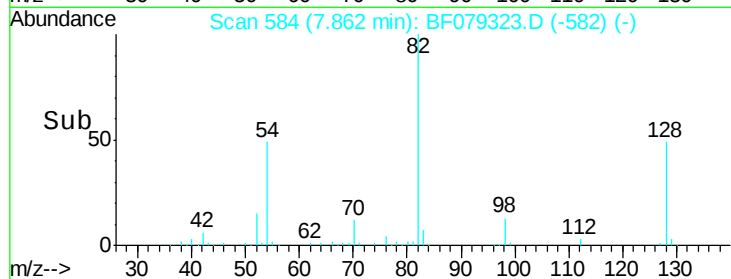
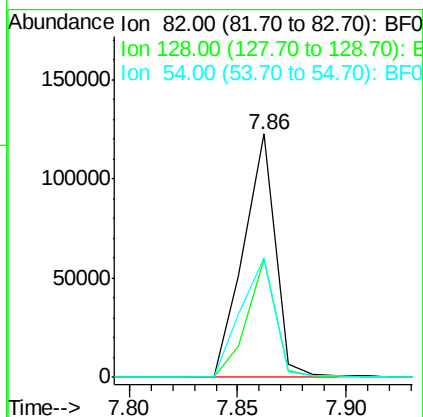
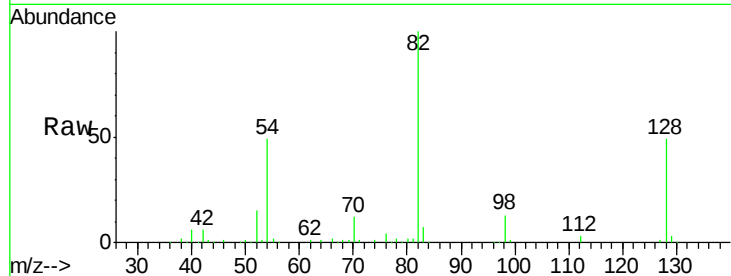




#23
 Nitrobenzene-d5
 Concen: 41.03 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.06 min
 Lab File: BF079323.D
 Acq: 19 May 2015 00:36

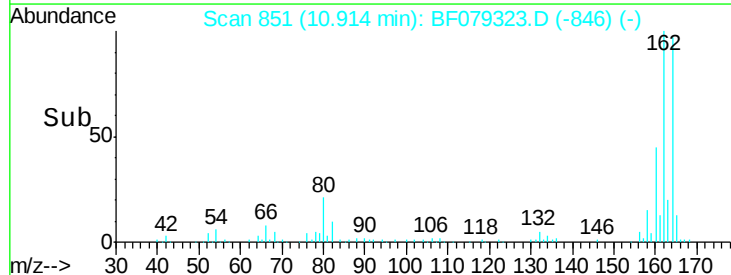
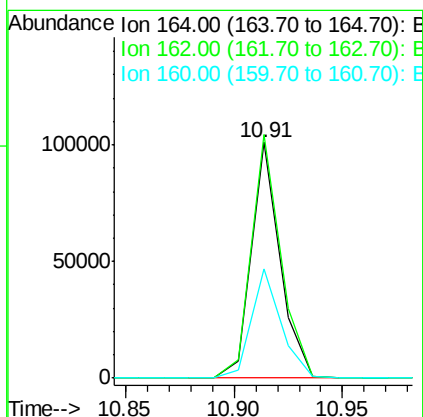
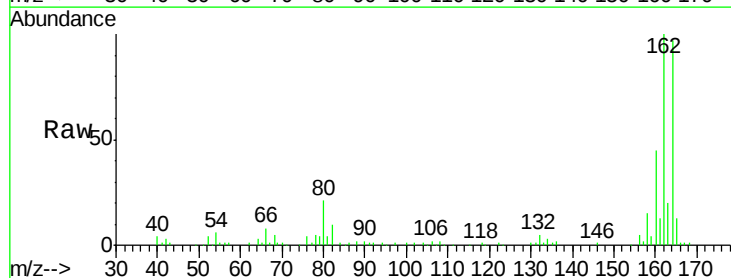
Instrument :
 BNA_F
 ClientSampleId :
 SB-15

Tgt Ion: 82 Resp: 125369
 Ion Ratio Lower Upper
 82 100
 128 48.5 29.7 44.5#
 54 49.0 46.2 69.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. -0.06 min
 Lab File: BF079323.D
 Acq: 19 May 2015 00:36

Tgt Ion: 164 Resp: 92896
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.4 122.0
 160 46.6 36.6 54.8

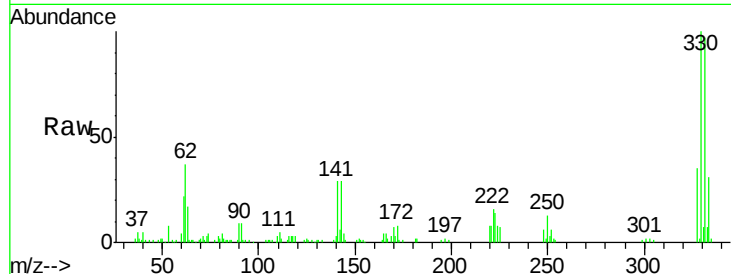




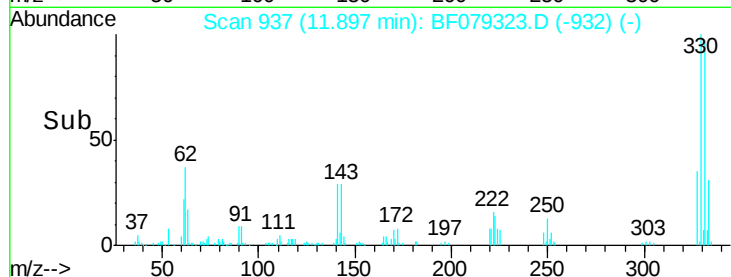
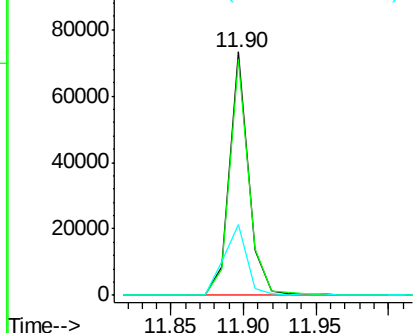
#41
 2,4,6-Tribromophenol
 Concen: 67.07 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.06 min
 Lab File: BF079323.D
 Acq: 19 May 2015 00:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-15

Tgt Ion:330 Resp: 67404
 Ion Ratio Lower Upper
 330 100
 332 97.4 76.9 115.3
 141 34.6 27.8 41.8

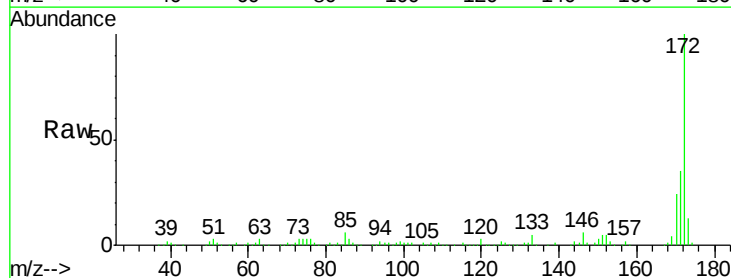


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

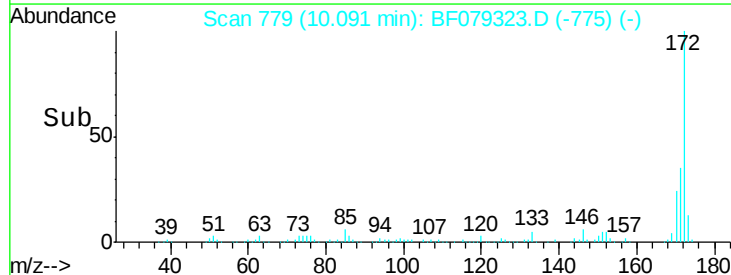
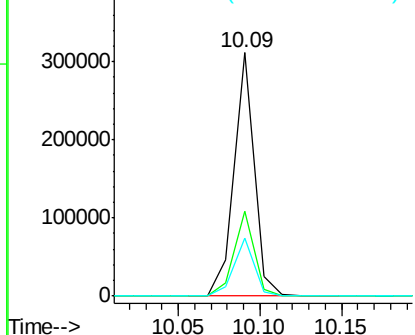


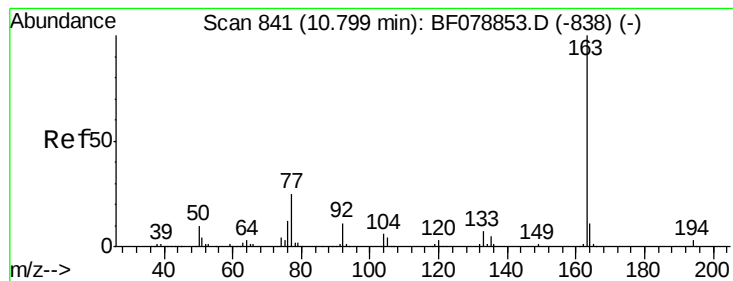
#44
 2-Fluorobiphenyl
 Concen: 39.94 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.06 min
 Lab File: BF079323.D
 Acq: 19 May 2015 00:36

Tgt Ion:172 Resp: 266311
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.3 42.5
 170 23.8 19.4 29.2



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





#49

Dimethylphthalate

Concen: 2.37 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.07 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

Instrument :

BNA_F

ClientSampleId :

SB-15

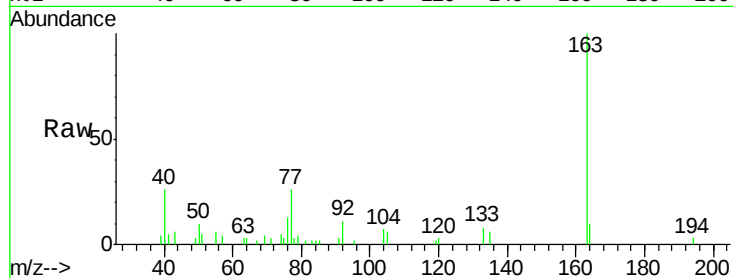
Tgt Ion:163 Resp: 16174

Ion Ratio Lower Upper

163 100

194 3.0 2.4 3.6

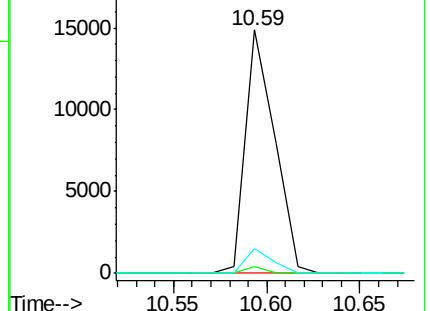
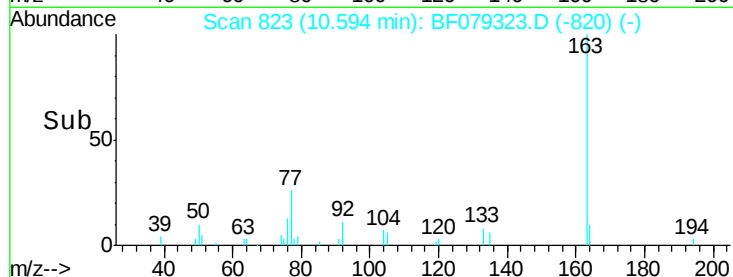
164 10.0 8.6 12.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.75 min Scan# 1012

Delta R.T. -0.07 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

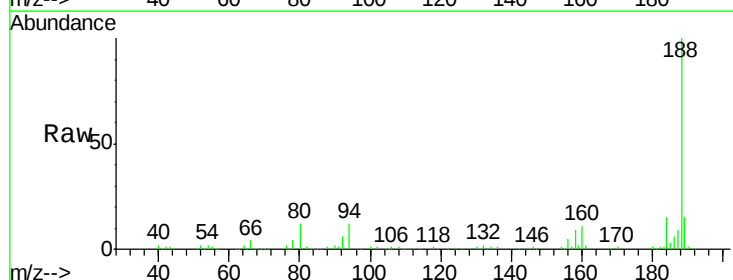
Tgt Ion:188 Resp: 183745

Ion Ratio Lower Upper

188 100

94 11.6 9.4 14.0

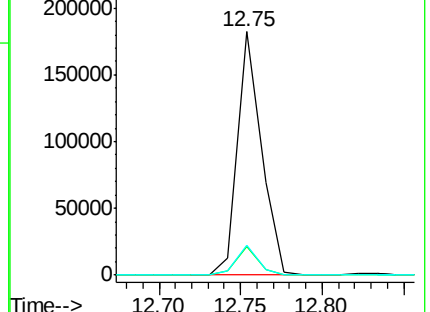
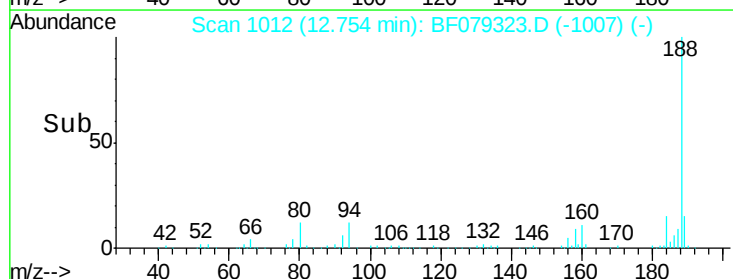
80 12.1 9.8 14.6

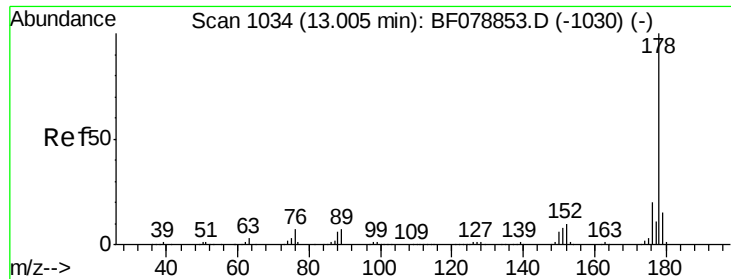


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

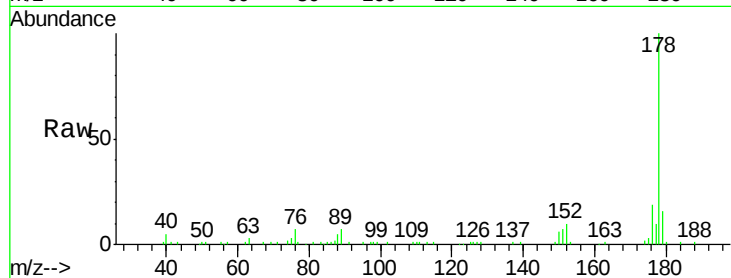




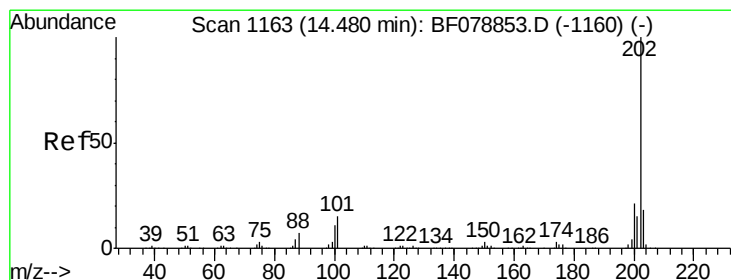
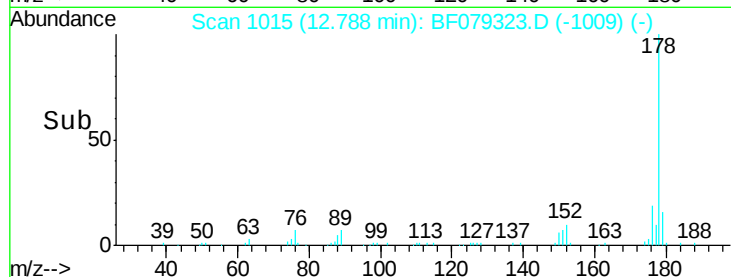
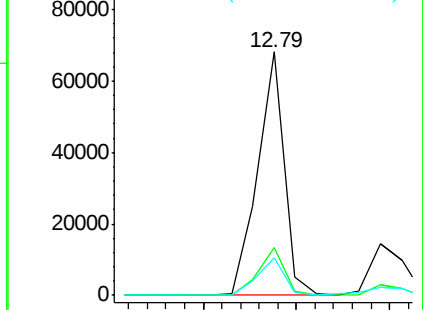
#70
Phenanthrene
Concen: 6.61 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.06 min
Lab File: BF079323.D
Acq: 19 May 2015 00:36

Instrument :
BNA_F
ClientSampleId :
SB-15

Tgt Ion:178 Resp: 67973
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.6 12.2 18.4

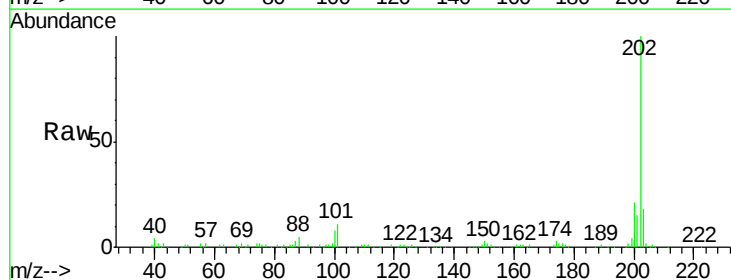


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

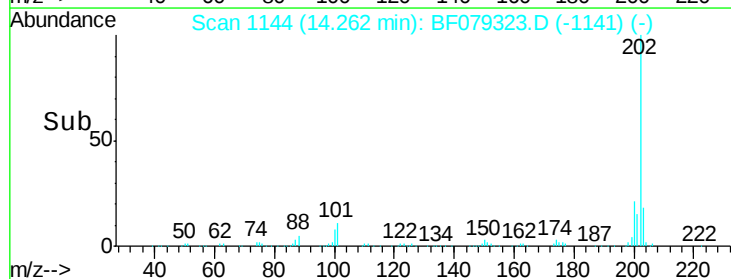
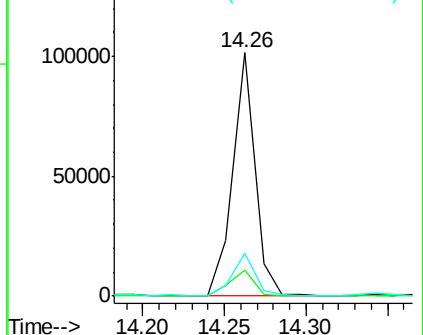


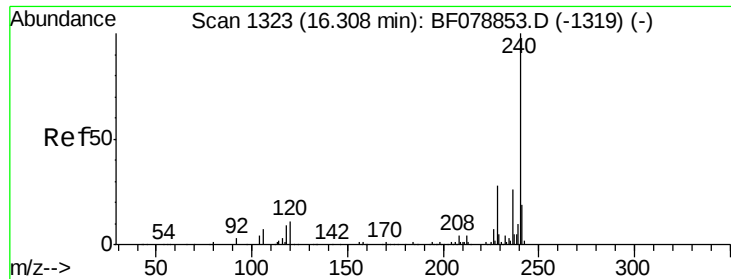
#74
Fluoranthene
Concen: 9.01 ng
RT: 14.26 min Scan# 1144
Delta R.T. -0.11 min
Lab File: BF079323.D
Acq: 19 May 2015 00:36

Tgt Ion:202 Resp: 96460
Ion Ratio Lower Upper
202 100
101 10.7 0.0 34.7
203 17.6 0.0 37.9



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: 16.05 min Scan# 1300

Delta R.T. -0.46 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

Instrument :

BNA_F

ClientSampleId :

SB-15

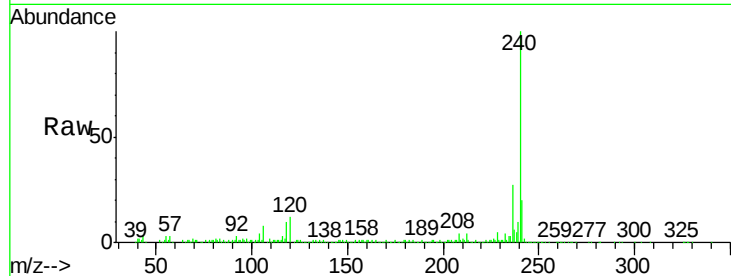
Tgt Ion:240 Resp: 203459

Ion Ratio Lower Upper

240 100

120 12.2 8.6 12.8

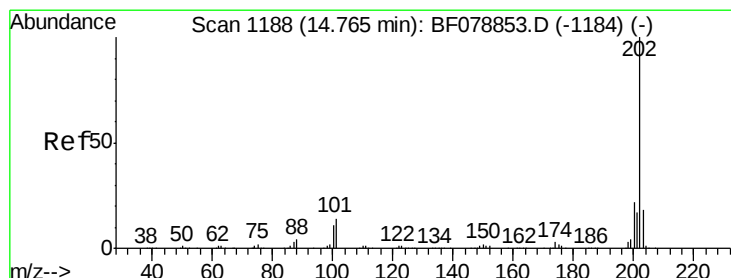
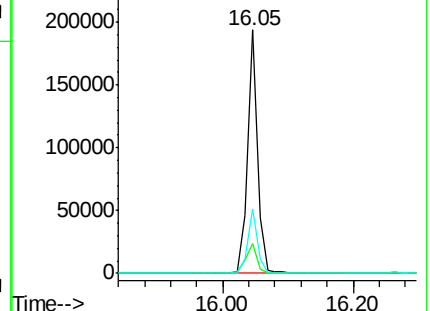
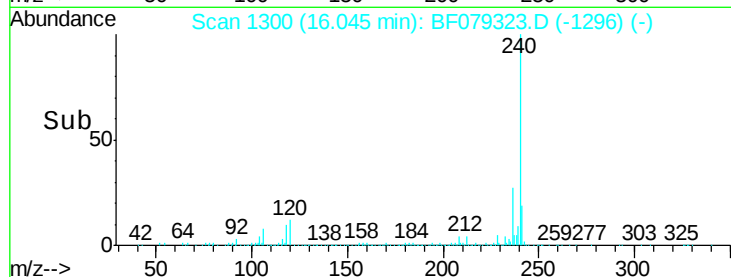
236 26.7 21.0 31.6



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: 8.23 ng

RT: 14.26 min Scan# 1144

Delta R.T. -0.42 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

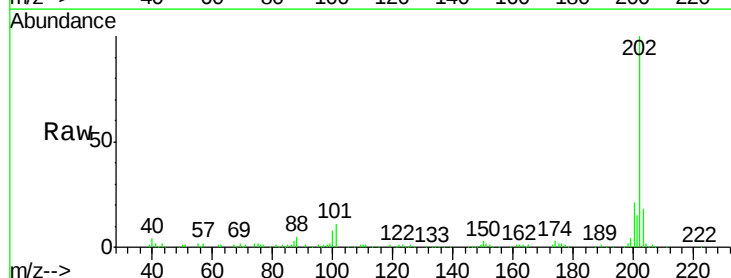
Tgt Ion:202 Resp: 96460

Ion Ratio Lower Upper

202 100

200 20.6 17.5 26.3

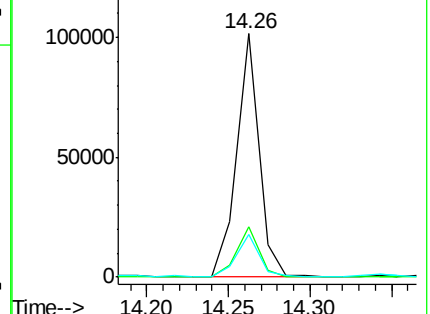
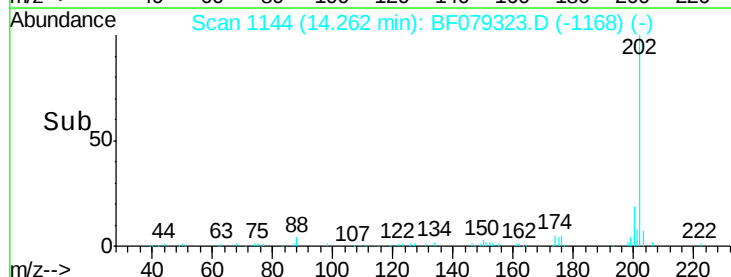
203 17.6 14.7 22.1

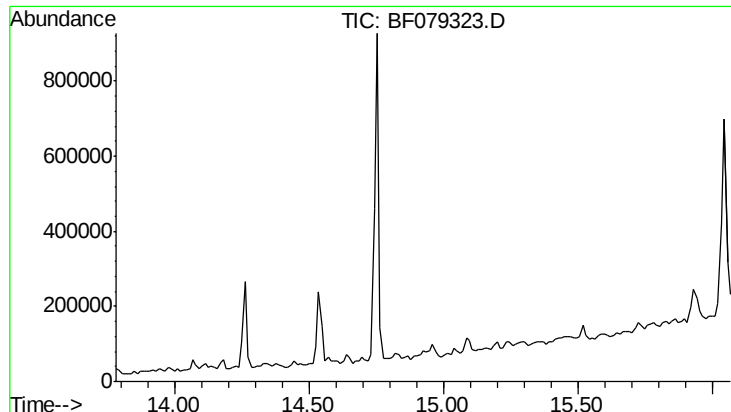


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF079323.D

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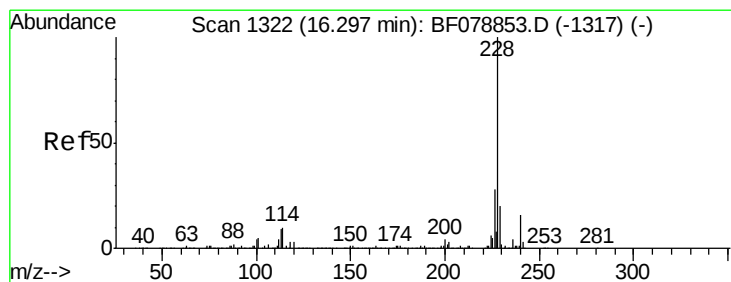
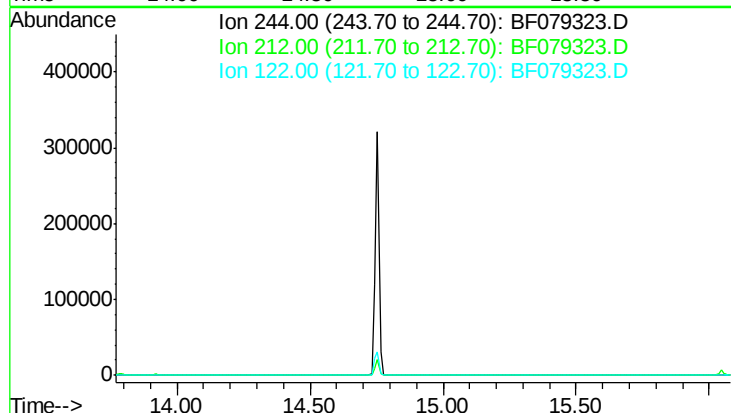
Tgt Ion: 244

Sig Exp Ratio

244 100

212 7.0

122 13.1



#80

Benzo(a)anthracene

Concen: 4.55 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.46 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

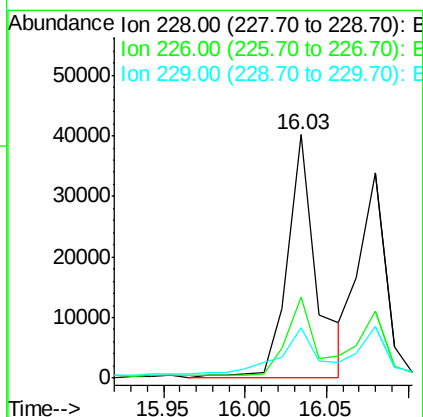
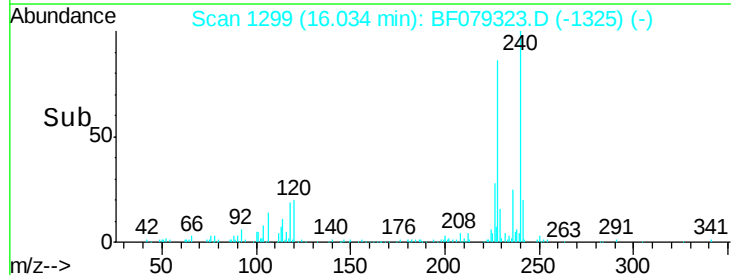
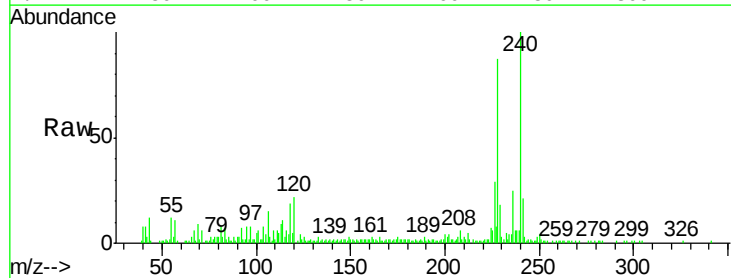
Tgt Ion: 228 Resp: 50675

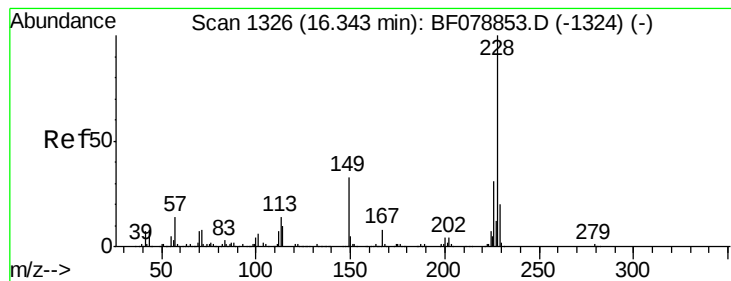
Ion Ratio Lower Upper

228 100

226 33.4 22.3 33.5

229 20.9 16.1 24.1





#82

Chrysene

Concen: 4.73 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.51 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

Instrument :

BNA_F

ClientSampled :

SB-15

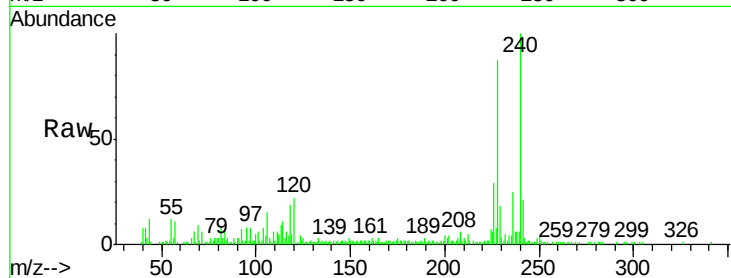
Tgt Ion:228 Resp: 50675

Ion Ratio Lower Upper

228 100

226 33.4 24.8 37.2

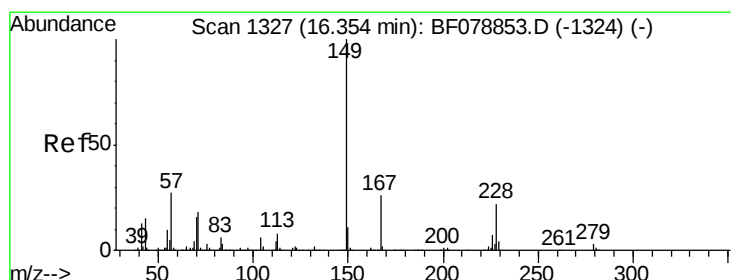
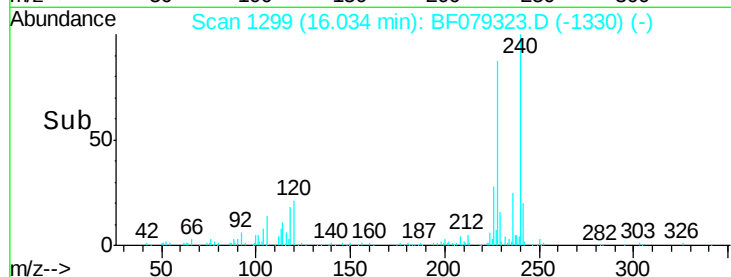
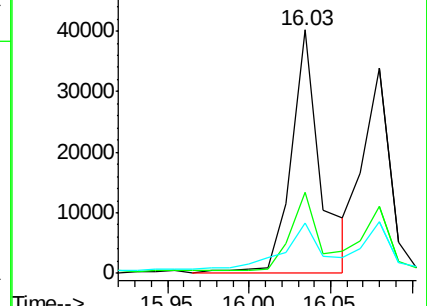
229 20.9 16.1 24.1



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: 4.35 ng

RT: 16.09 min Scan# 1304

Delta R.T. -0.51 min

Lab File: BF079323.D

Acq: 19 May 2015 00:36

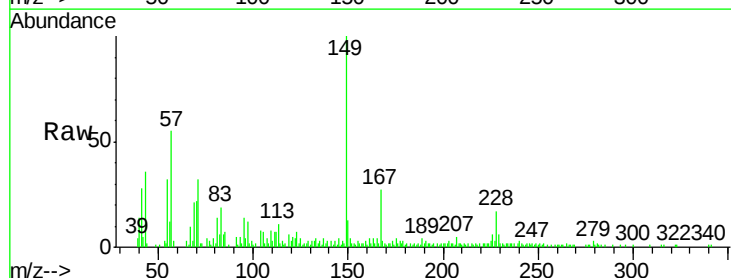
Tgt Ion:149 Resp: 33741

Ion Ratio Lower Upper

149 100

167 27.3 21.2 31.8

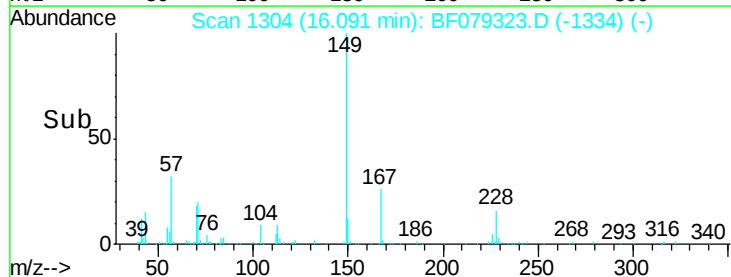
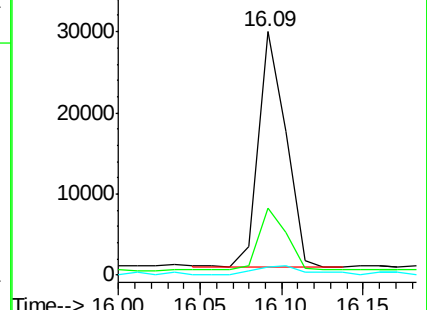
279 3.1 2.6 4.0

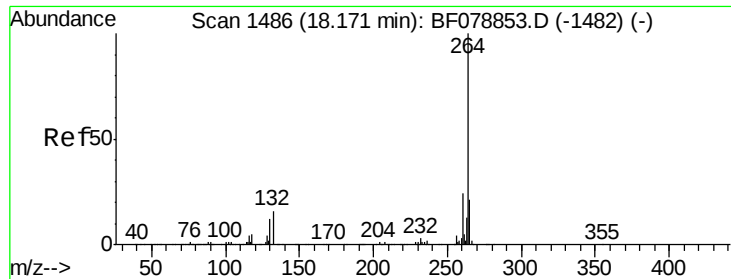


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



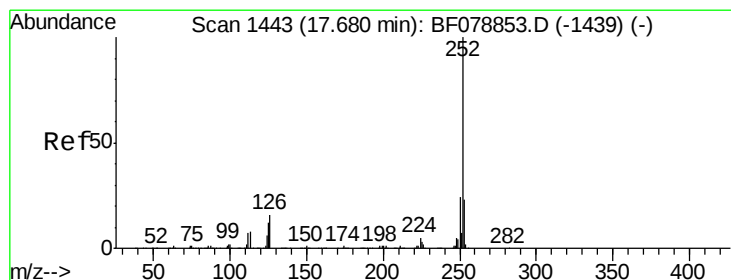
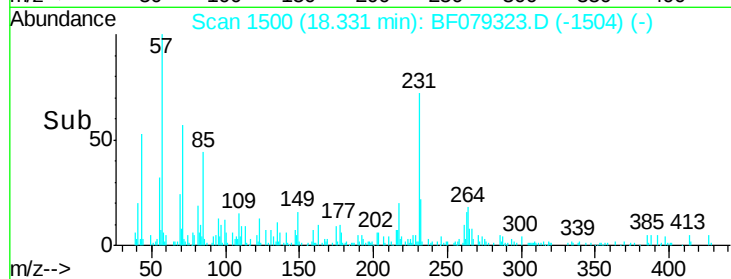
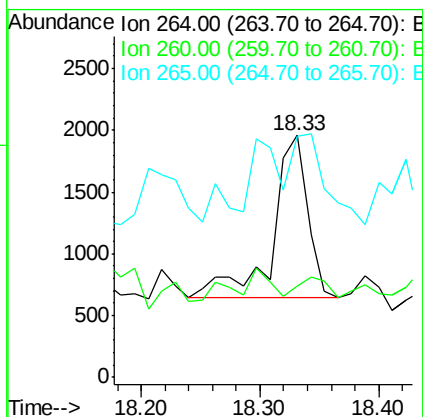
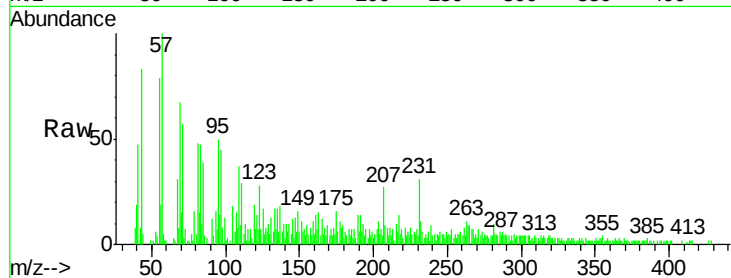


#86
Perylene-d12
Concen: 20.00 ng
RT: 18.33 min Scan# 1500
Delta R.T. -0.55 min
Lab File: BF079323.D
Acq: 19 May 2015 00:36

Instrument :
BNA_F
ClientSampleId :
SB-15

Tgt Ion: 264 Resp: 2668

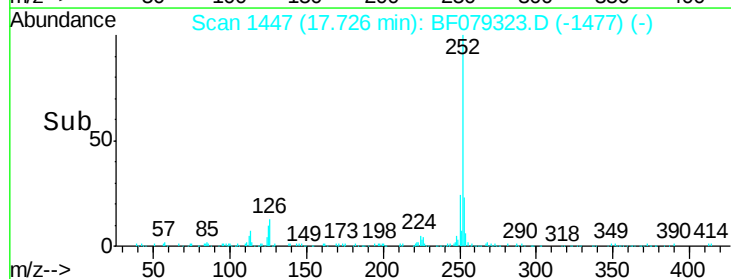
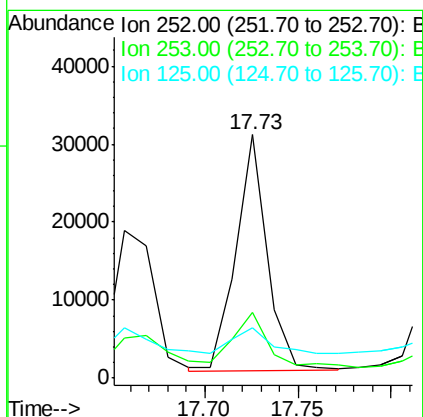
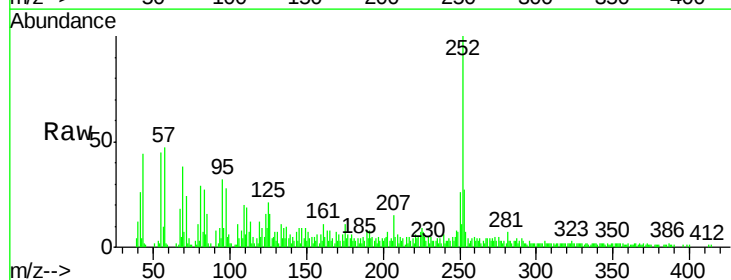
Ion	Ratio	Lower	Upper
264	100		
260	37.9	19.2	28.8#
265	99.5	17.2	25.8#

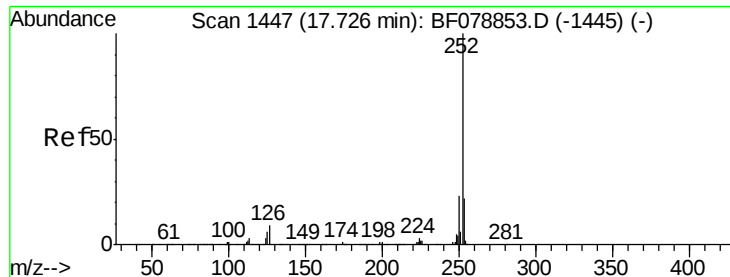


#87
Benzo(b)fluoranthene
Concen: 242.98 ng
RT: 17.73 min Scan# 1447
Delta R.T. -0.53 min
Lab File: BF079323.D
Acq: 19 May 2015 00:36

Tgt Ion: 252 Resp: 35483

Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.1	27.1
125	20.8	9.4	14.2#

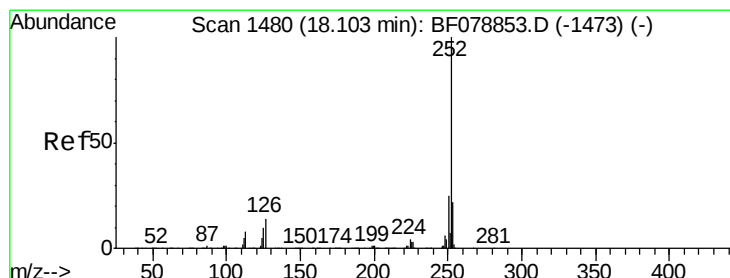
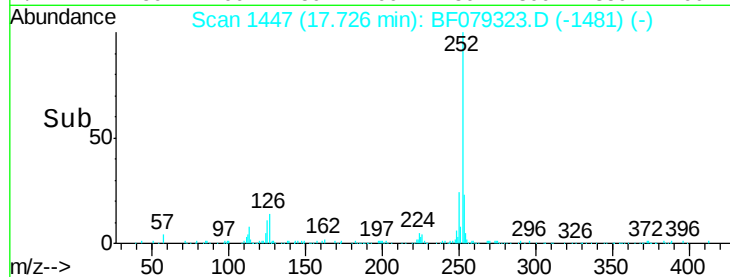
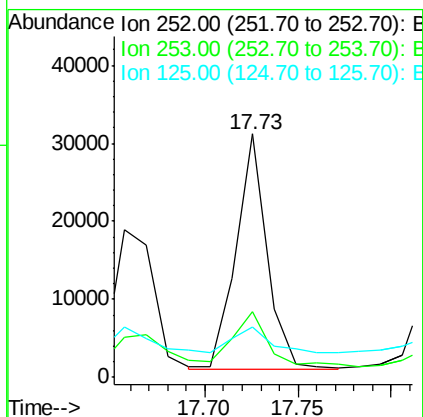
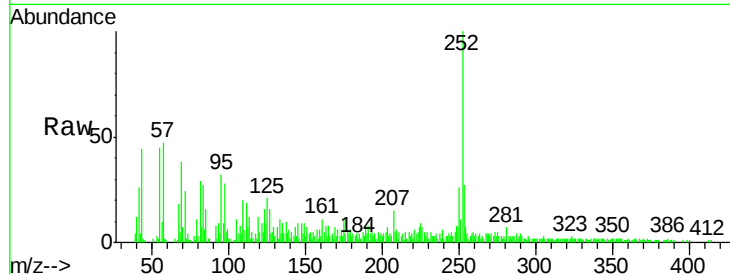




#88
Benzo(k)fluoranthene
Concen: 246.92 ng
RT: 17.73 min Scan# 1447
Delta R.T. -0.57 min
Lab File: BF079323.D
Acq: 19 May 2015 00:36

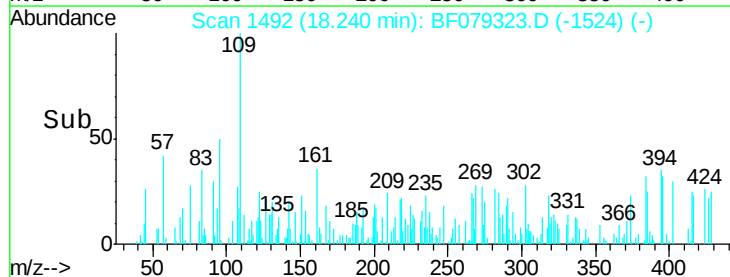
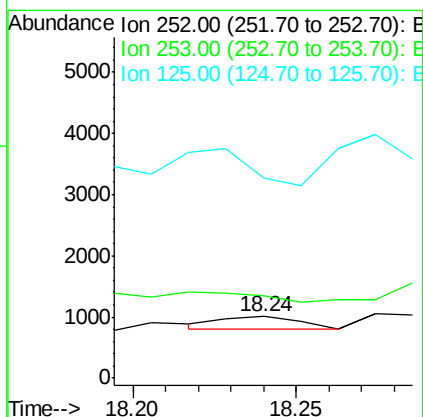
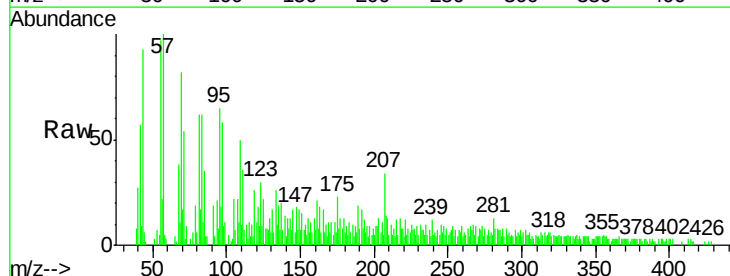
Instrument :
BNA_F
ClientSampled :
SB-15

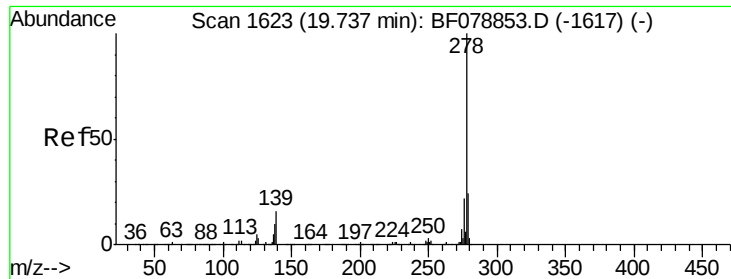
Tgt Ion:252 Resp: 34907
Ion Ratio Lower Upper
252 100
253 27.0 17.4 26.0#
125 20.8 6.1 9.1#



#89
Benzo(a)pyrene
Concen: 2.51 ng
RT: 18.24 min Scan# 1492
Delta R.T. -0.55 min
Lab File: BF079323.D
Acq: 19 May 2015 00:36

Tgt Ion:252 Resp: 337
Ion Ratio Lower Upper
252 100
253 133.2 18.0 27.0#
125 324.4 8.2 12.2#

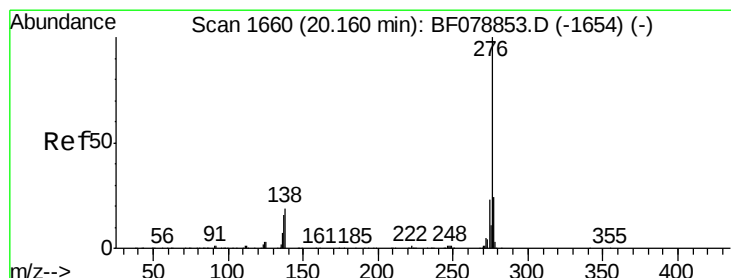
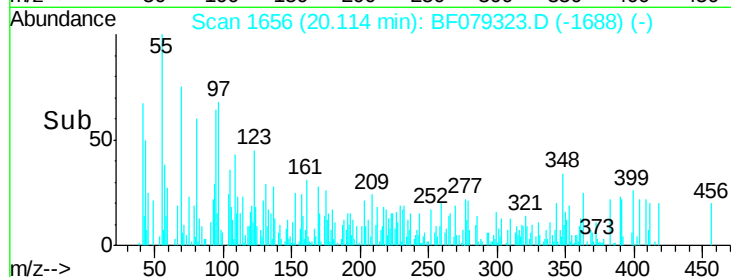
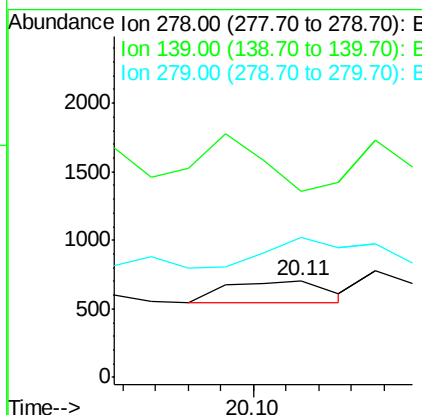
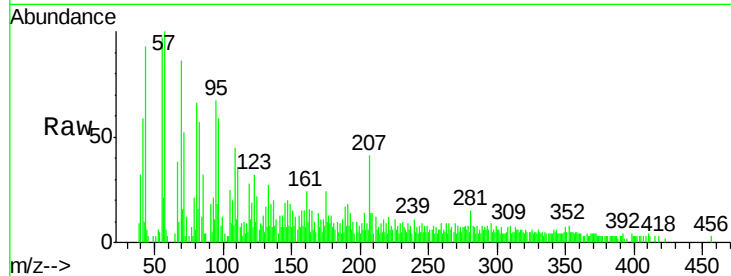




#90
Dibenzo(a,h)anthracene
Concen: 2.38 ng
RT: 20.11 min Scan# 1656
Delta R.T. -0.57 min
Lab File: BF079323.D
Acq: 19 May 2015 00:36

Instrument :
BNA_F
ClientSampleId :
SB-15

Tgt Ion: 278 Resp: 340
Ion Ratio Lower Upper
278 100
139 192.2 13.1 19.7#
279 144.7 19.1 28.7#



#91
Benzo(g,h,i)perylene
Concen: 6.94 ng
RT: 20.48 min Scan# 1688
Delta R.T. -0.61 min
Lab File: BF079323.D
Acq: 19 May 2015 00:36

Tgt Ion: 276 Resp: 994
Ion Ratio Lower Upper
276 100
277 78.3 18.8 28.2#
138 99.3 15.2 22.8#

