

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052015\
 Data File : BF079394.D
 Acq On : 20 May 2015 22:49
 Operator : TP/IZ
 Sample : G2299-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

Quant Time: May 21 01:20:15 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 05:08:22 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	-7.13
21) Naphthalene-d8	8.66	136	281910	20.00	ng	-0.05
38) Acenaphthene-d10	10.83	164	138076	20.00	ng	-0.05
63) Phenanthrene-d10	12.67	188	272262	20.00	ng	-0.05
75) Chrysene-d12	15.97	240	284996	20.00	ng	-0.06
86) Perylene-d12	17.71	264	296425	20.00	ng	-0.10

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.67	99	413963	0.00	ng	-0.03
23) Nitrobenzene-d5	7.78	82	290682	59.26	ng	-0.05
41) 2,4,6-Tribromophenol	11.82	330	162358	108.69	ng	-0.05
44) 2-Fluorobiphenyl	10.01	172	514591	51.92	ng	-0.05
78) Terphenyl-d14	14.67	244	569598	47.85	ng	-0.05

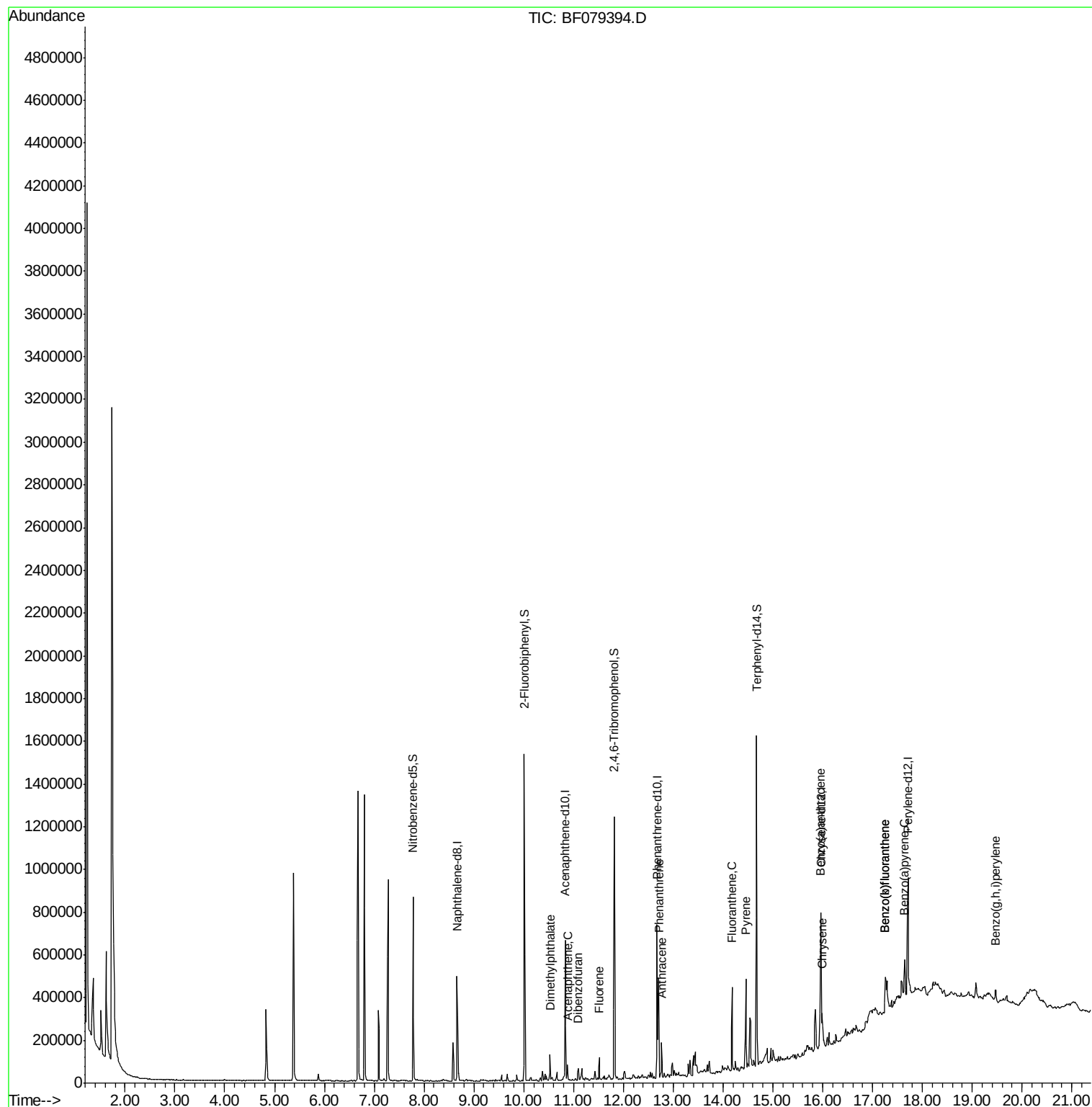
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	10.52	163	50278	4.96	ng	99
51) Acenaphthene	10.88	154	20698	2.47	ng	98
54) Dibenzofuran	11.10	168	25653	2.12	ng	94
57) Fluorene	11.52	166	33990	3.42	ng	96
70) Phenanthrene	12.71	178	220779	14.49	ng	98
71) Anthracene	12.77	178	72764	4.87	ng	99
74) Fluoranthene	14.18	202	191120	12.04	ng	93
77) Pyrene	14.46	202	176621	10.75	ng	97
80) Benzo(a)anthracene	15.95	228	90623	5.81	ng	98
82) Chrysene	15.99	228	65836	4.39	ng	96
87) Benzo(b)fluoranthene	17.26	252	139796	8.62	ng	# 97
88) Benzo(k)fluoranthene	17.26	252	139796	8.90	ng	# 93
89) Benzo(a)pyrene	17.65	252	84245	5.64	ng	# 95
91) Benzo(g,h,i)perylene	19.47	276	50714	3.19	ng	# 94

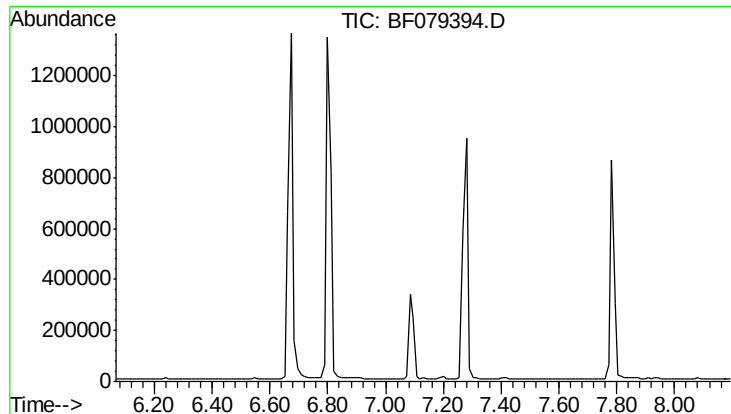
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.13 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

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BNA_F

ClientSampleId :

LS-SB04B(10-10.5)

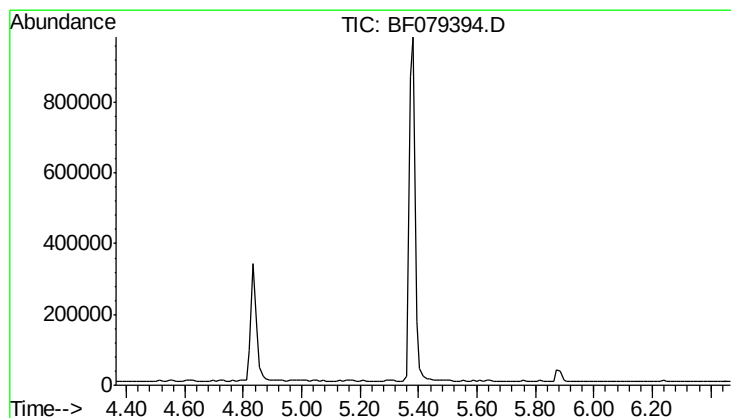
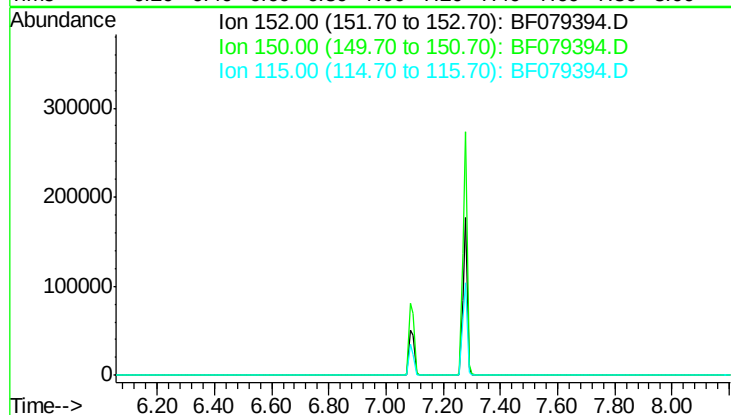
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.8

115 61.7



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.42 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

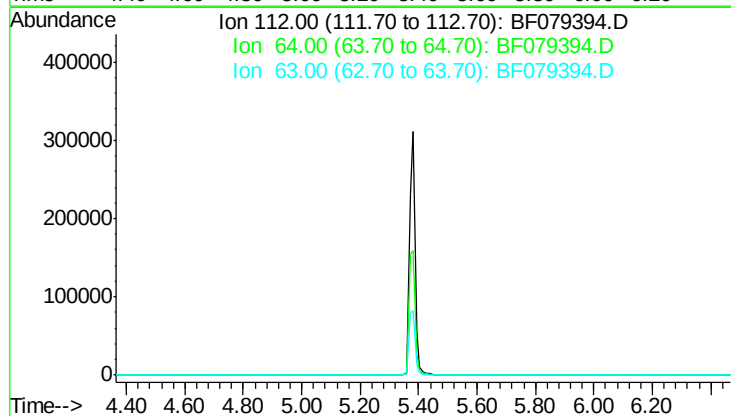
Tgt Ion: 112

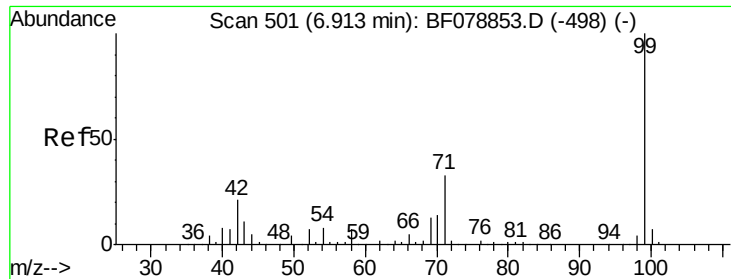
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

RT: 6.67 min Scan# 480

Delta R.T. -0.03 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

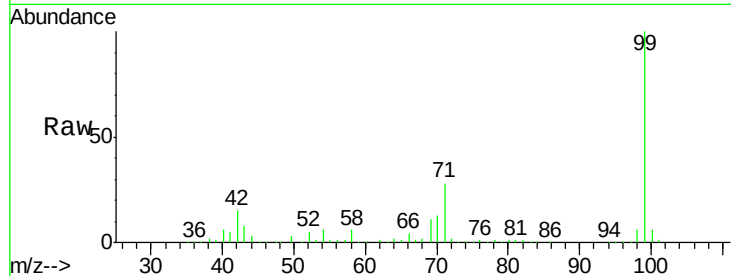
BNA_F

ClientSampleId :

LS-SB04B(10-10.5)

Tgt Ion: 99 Resp: 413963

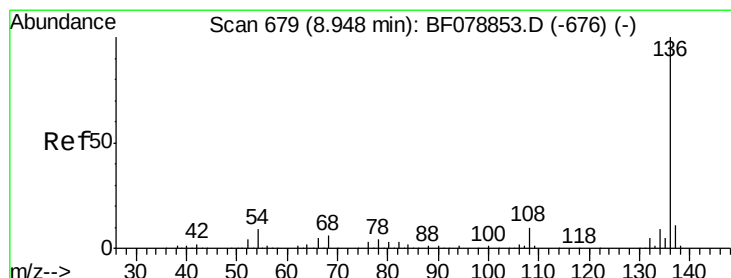
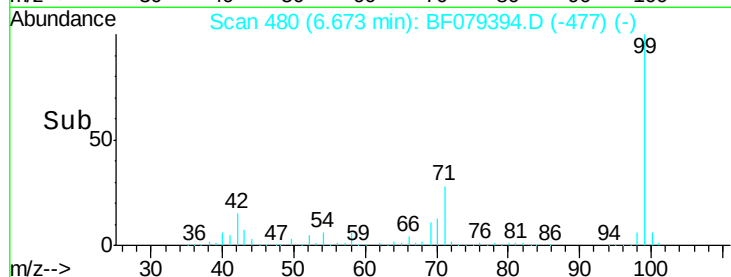
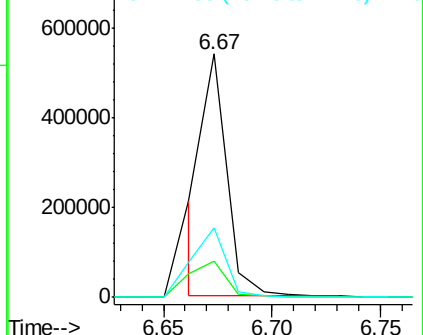
Ion	Ratio	Lower	Upper
99	100		
42	15.1	17.1	25.7#
71	28.3	26.3	39.5



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: 8.66 min Scan# 654

Delta R.T. -0.05 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Tgt Ion: 136 Resp: 281910

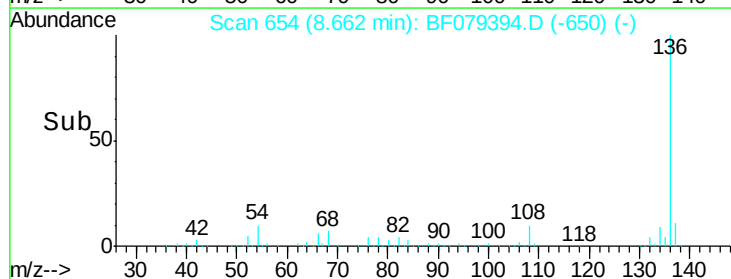
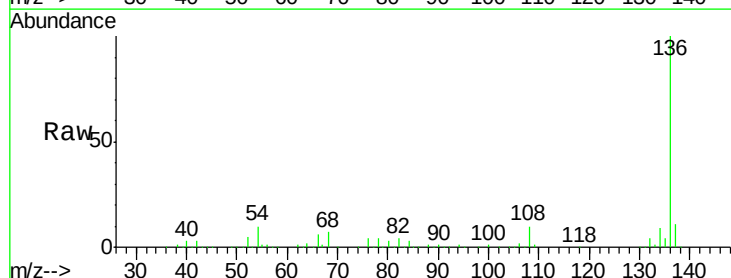
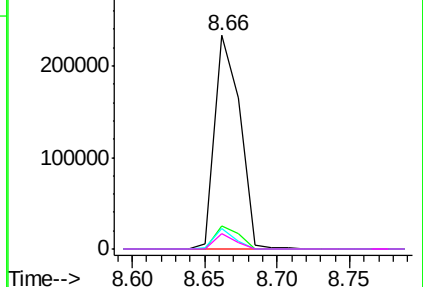
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.6	6.9	10.3
68	7.1	4.9	7.3

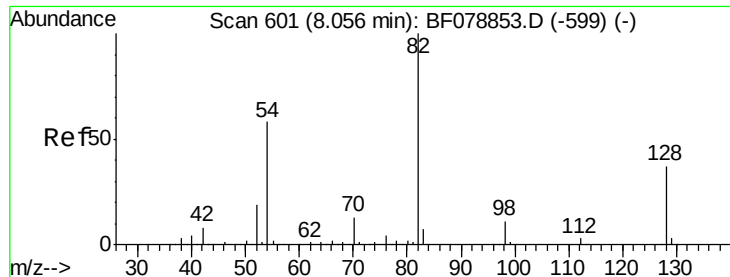
Abundance Ion 136.00 (135.70 to 136.70): E

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

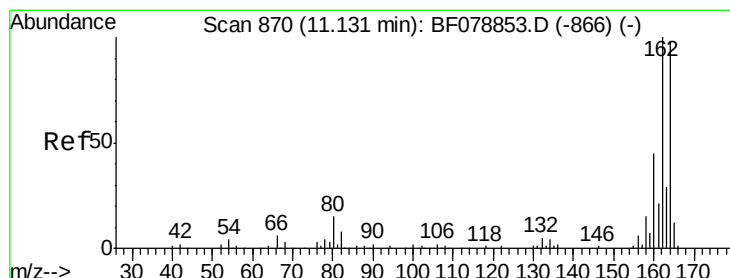
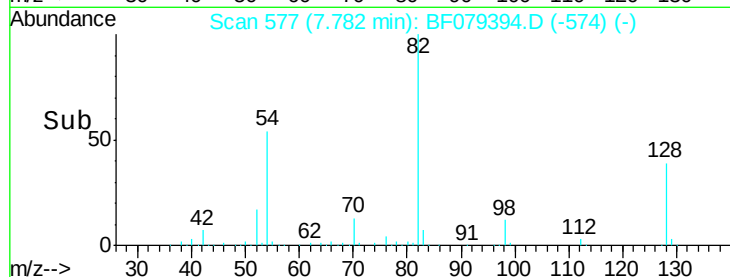
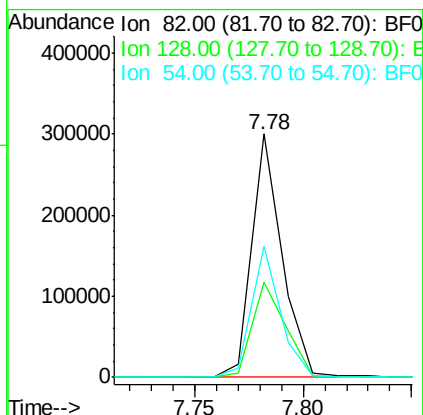
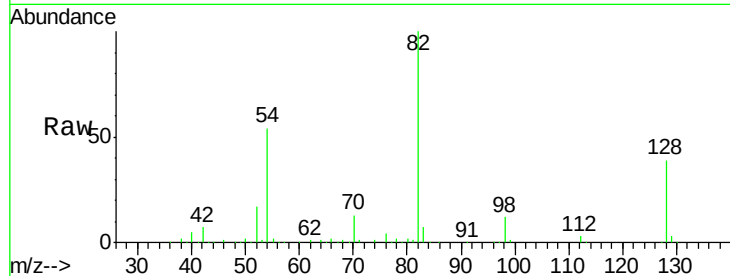




#23
 Nitrobenzene-d5
 Concen: 59.26 ng
 RT: 7.78 min Scan# 577
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

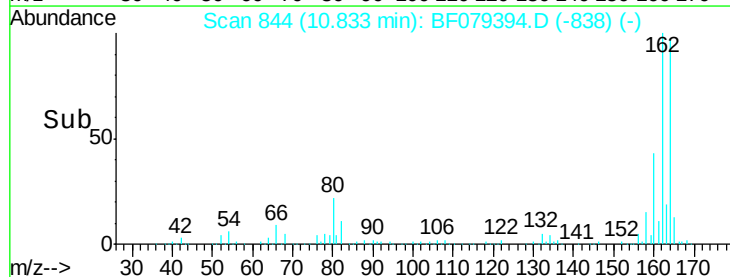
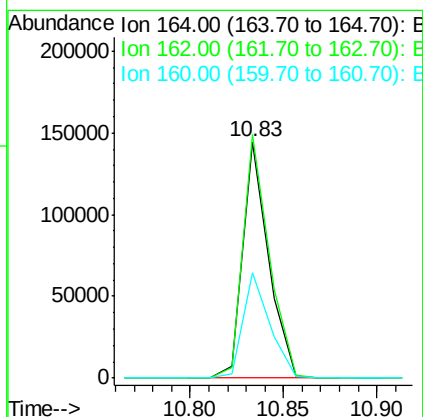
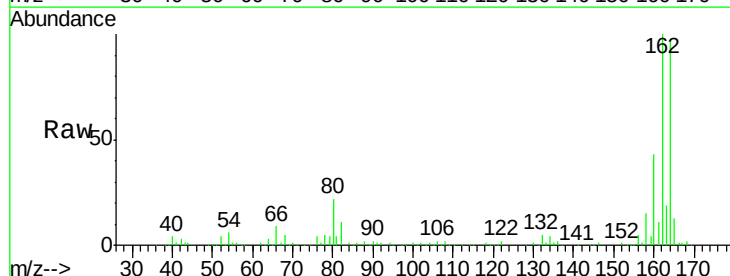
Instrument :
 BNA_F
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 LS-SB04B(10-10.5)

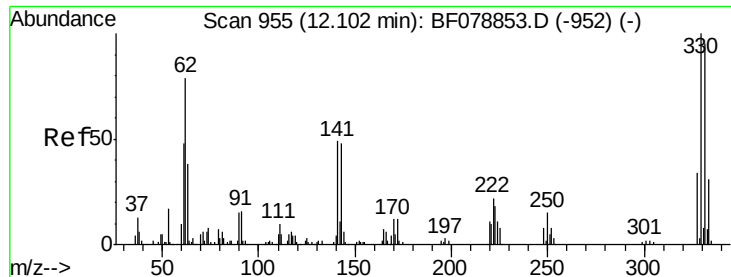
Tgt Ion: 82 Resp: 290682
 Ion Ratio Lower Upper
 82 100
 128 39.2 29.7 44.5
 54 53.7 46.2 69.4



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.83 min Scan# 844
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Tgt Ion: 164 Resp: 138076
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.4 122.0
 160 44.3 36.6 54.8

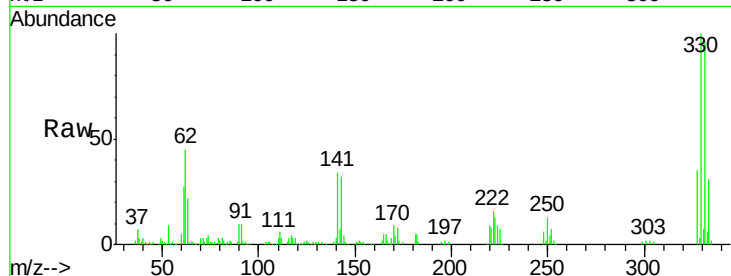




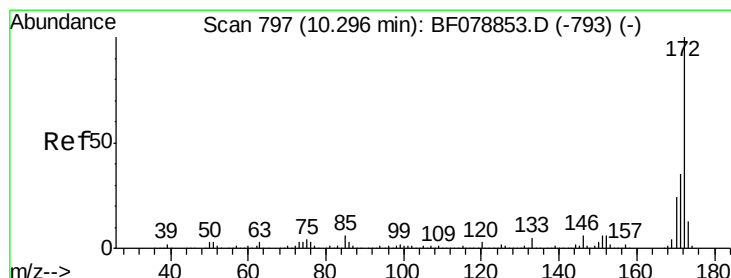
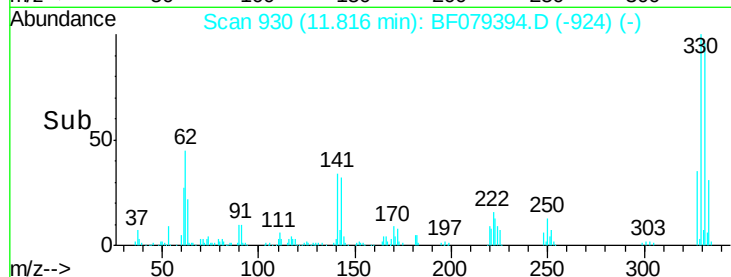
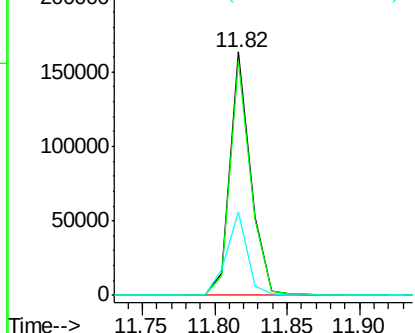
#41
 2,4,6-Tribromophenol
 Concen: 108.69 ng
 RT: 11.82 min Scan# 930
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

Tgt Ion:330 Resp: 162358
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.9 115.3
 141 34.6 27.8 41.8

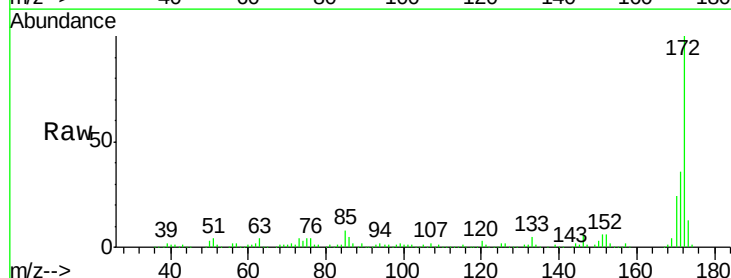


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

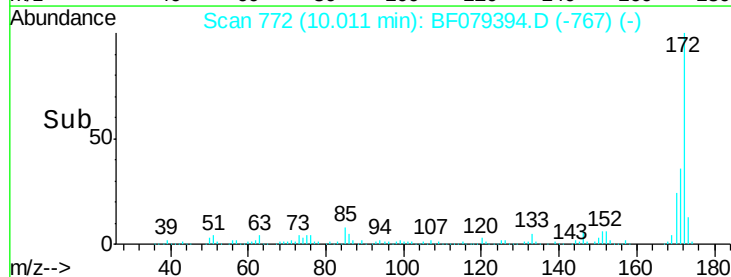
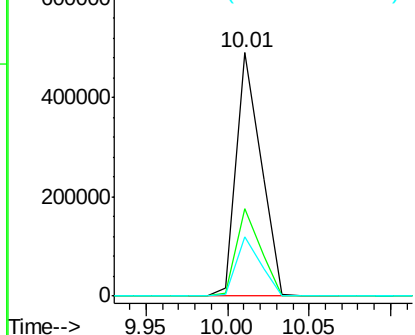


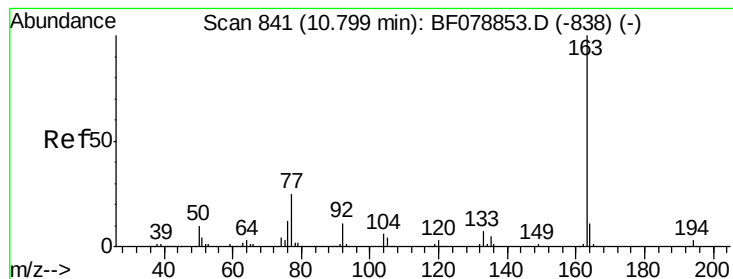
#44
 2-Fluorobiphenyl
 Concen: 51.92 ng
 RT: 10.01 min Scan# 772
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Tgt Ion:172 Resp: 514591
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.3 42.5
 170 24.4 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: 4.96 ng

RT: 10.52 min Scan# 817

Delta R.T. -0.05 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

ClientSampleId :

LS-SB04B(10-10.5)

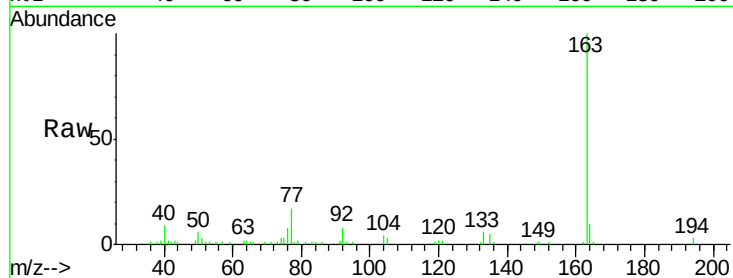
Tgt Ion:163 Resp: 50278

Ion Ratio Lower Upper

163 100

194 2.8 2.4 3.6

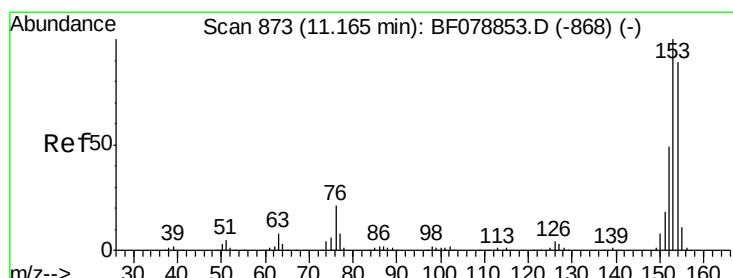
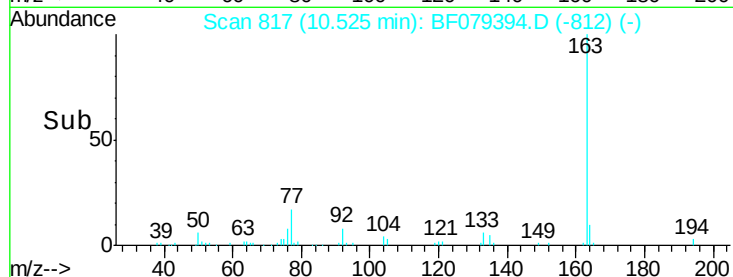
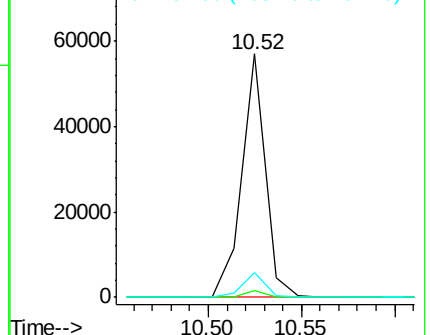
164 10.1 8.6 12.8



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



#51

Acenaphthene

Concen: 2.47 ng

RT: 10.88 min Scan# 848

Delta R.T. -0.03 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

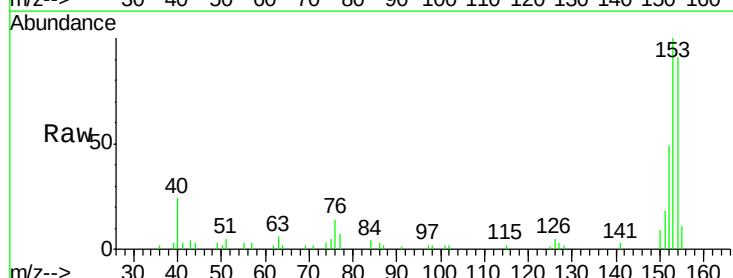
Tgt Ion:154 Resp: 20698

Ion Ratio Lower Upper

154 100

153 110.3 90.2 135.2

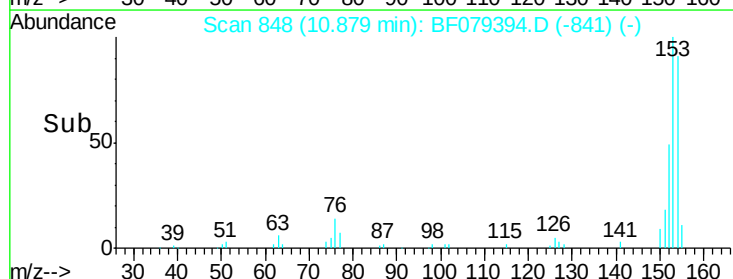
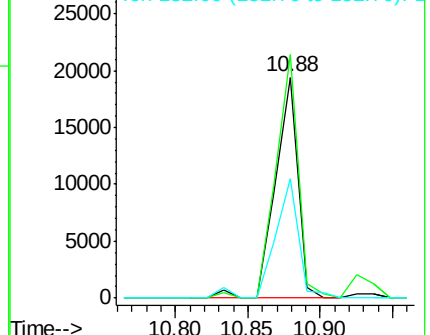
152 54.3 43.8 65.8

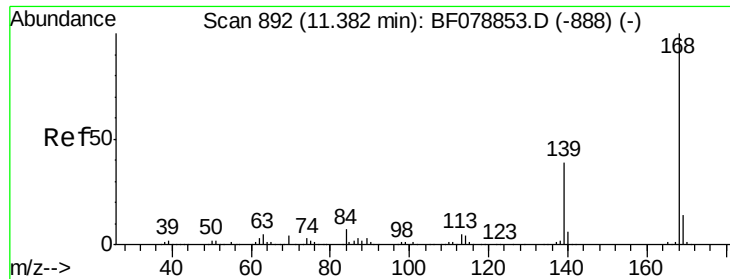


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 2.12 ng

RT: 11.10 min Scan# 867

Delta R.T. -0.03 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

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LS-SB04B(10-10.5)

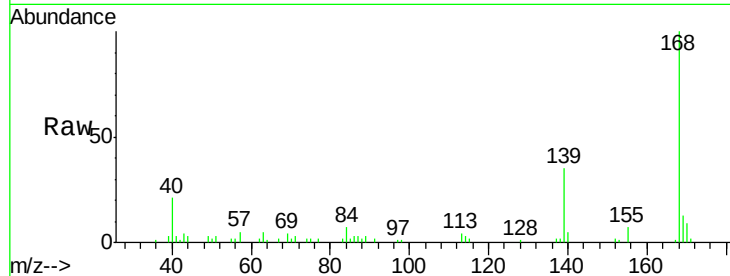
Tgt Ion:168 Resp: 25653

Ion Ratio Lower Upper

168 100

139 34.5 31.5 47.3

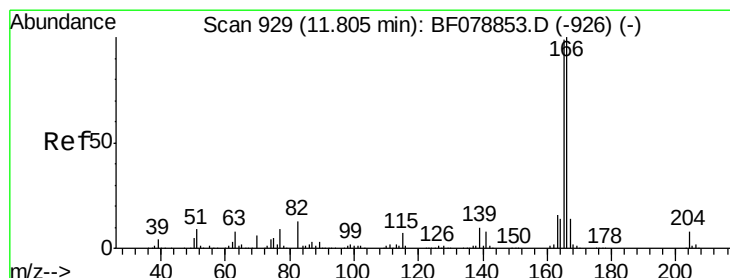
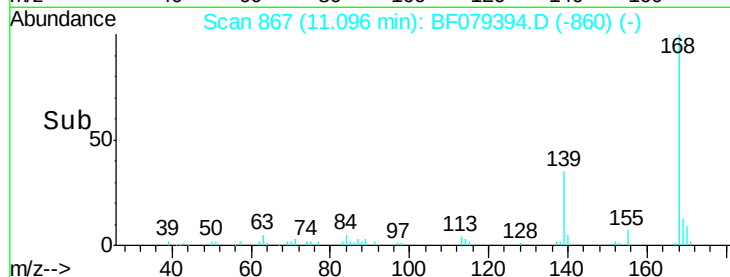
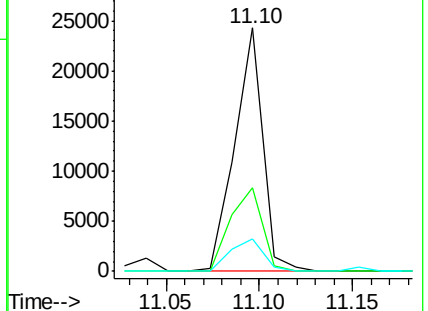
169 13.4 11.0 16.4



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: 3.42 ng

RT: 11.52 min Scan# 904

Delta R.T. -0.03 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

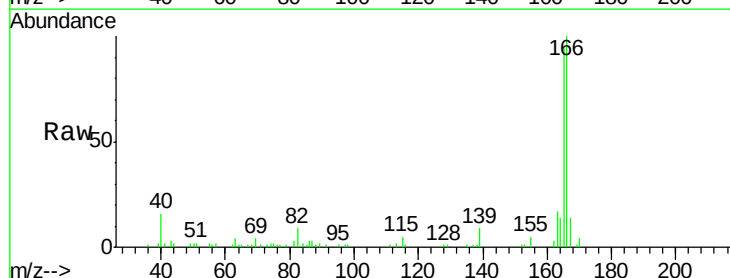
Tgt Ion:166 Resp: 33990

Ion Ratio Lower Upper

166 100

165 94.8 79.5 119.3

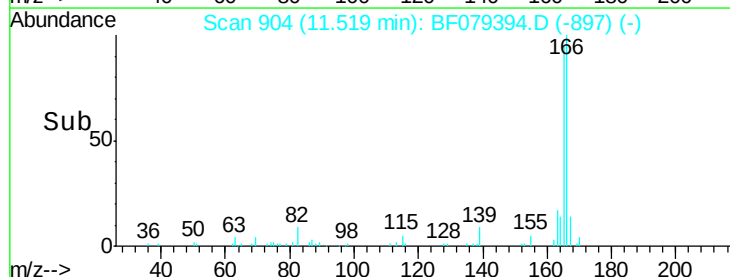
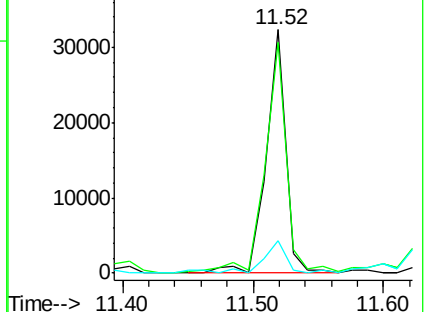
167 13.5 11.0 16.6

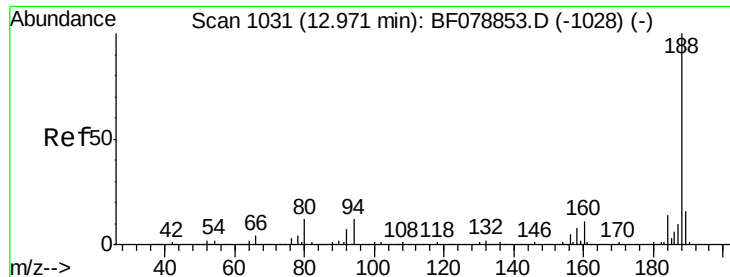


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

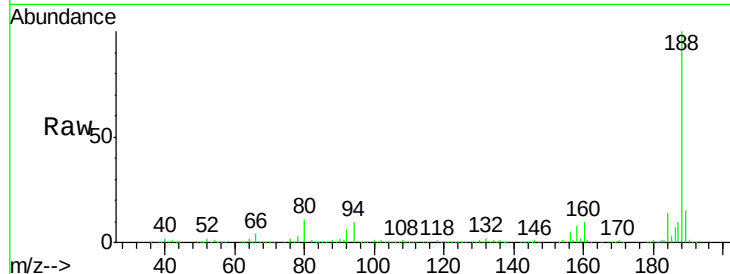




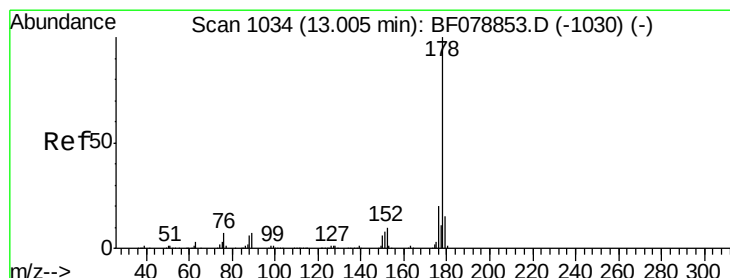
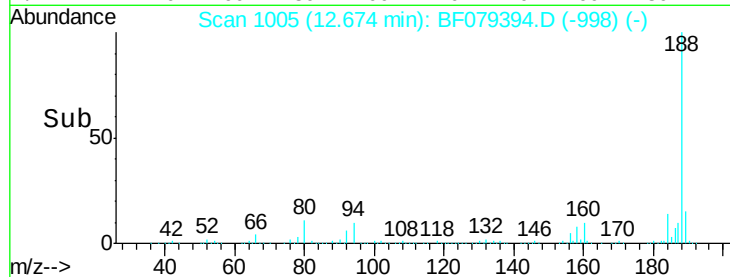
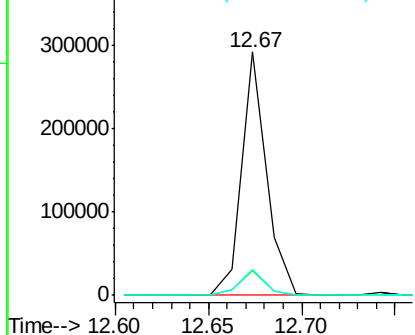
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.05 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Instrument :
BNA_F
ClientSampleId :
LS-SB04B(10-10.5)

Tgt Ion:188 Resp: 272262
Ion Ratio Lower Upper
188 100
94 9.9 9.4 14.0
80 10.6 9.8 14.6

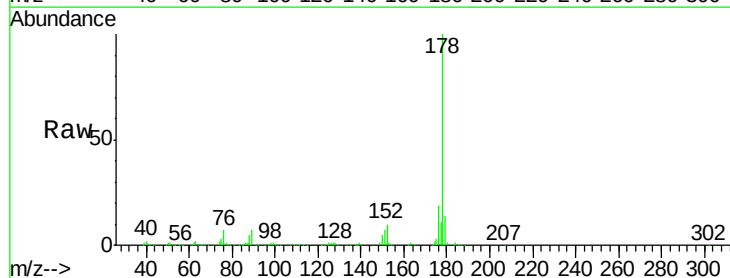


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

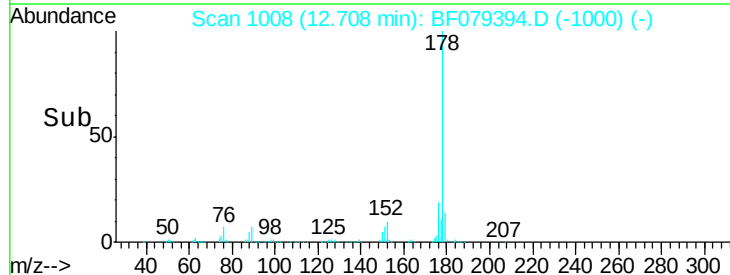
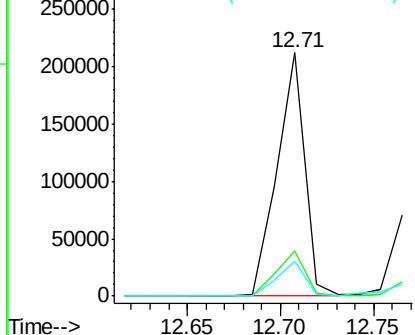


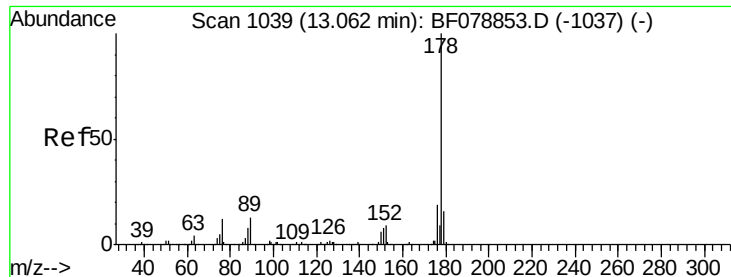
#70
Phenanthrene
Concen: 14.49 ng
RT: 12.71 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Tgt Ion:178 Resp: 220779
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 14.5 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

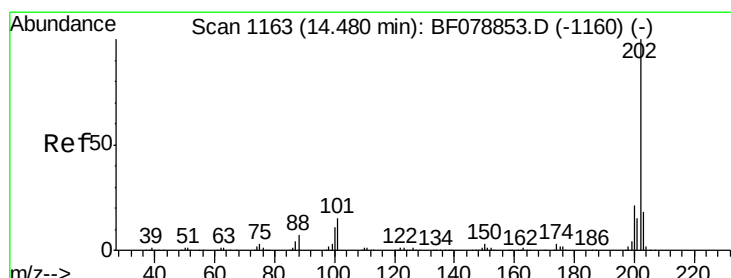
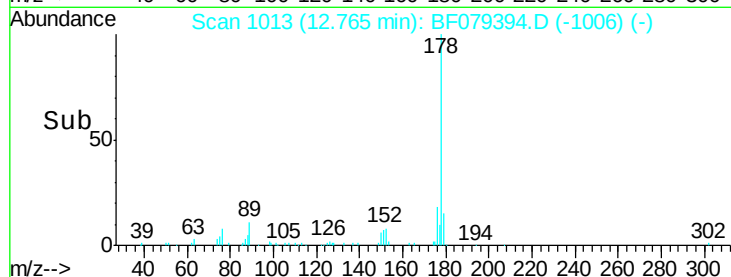
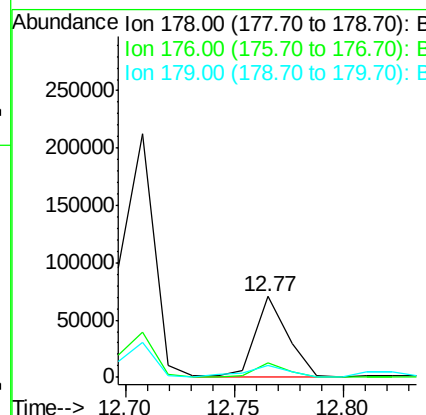
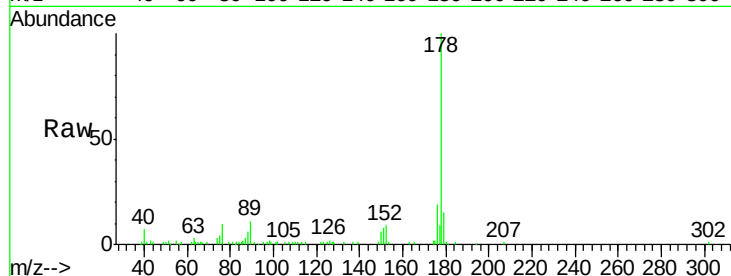




#71
 Anthracene
 Concen: 4.87 ng
 RT: 12.77 min Scan# 1013
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

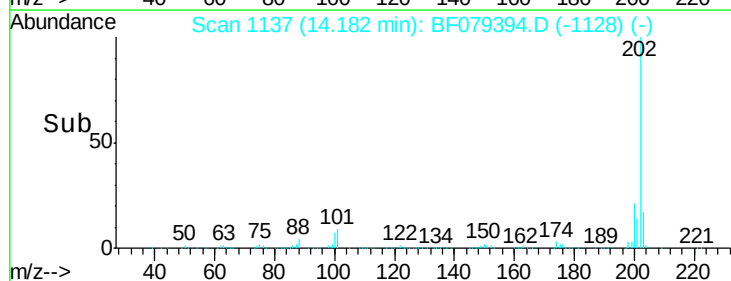
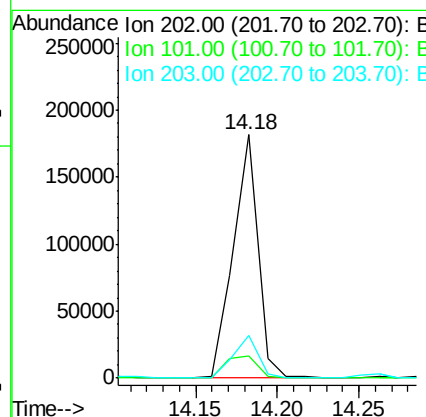
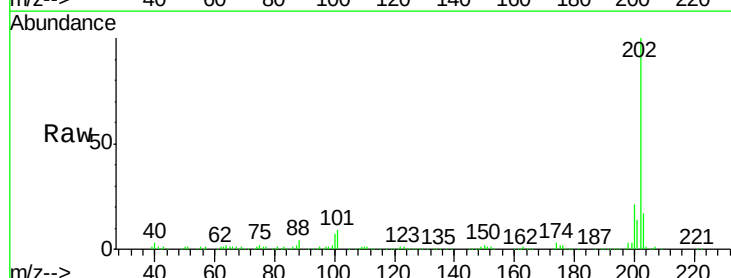
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04B(10-10.5)

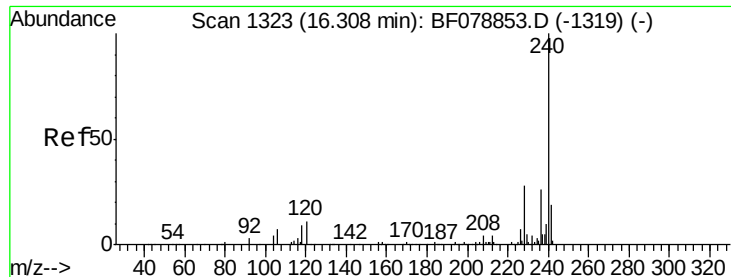
Tgt Ion:178 Resp: 72764
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 15.1 12.6 19.0



#74
 Fluoranthene
 Concen: 12.04 ng
 RT: 14.18 min Scan# 1137
 Delta R.T. -0.05 min
 Lab File: BF079394.D
 Acq: 20 May 2015 22:49

Tgt Ion:202 Resp: 191120
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 34.7
 203 17.3 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.97 min Scan# 1293

Delta R.T. -0.06 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

ClientSampleId :

LS-SB04B(10-10.5)

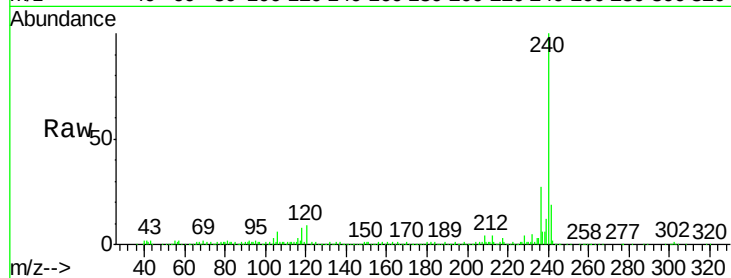
Tgt Ion:240 Resp: 284996

Ion Ratio Lower Upper

240 100

120 8.9 8.6 12.8

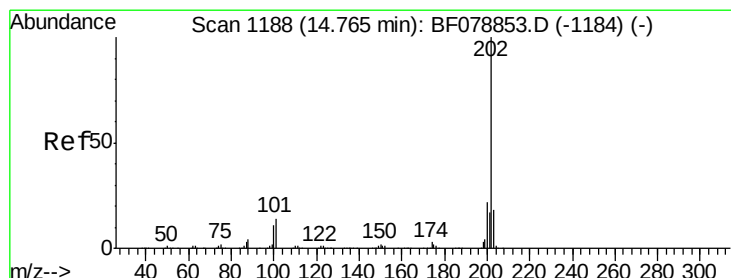
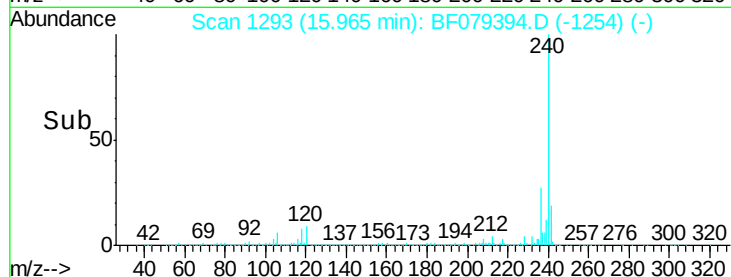
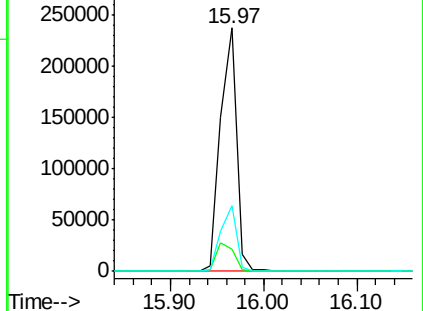
236 27.0 21.0 31.6



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: 10.75 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.05 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

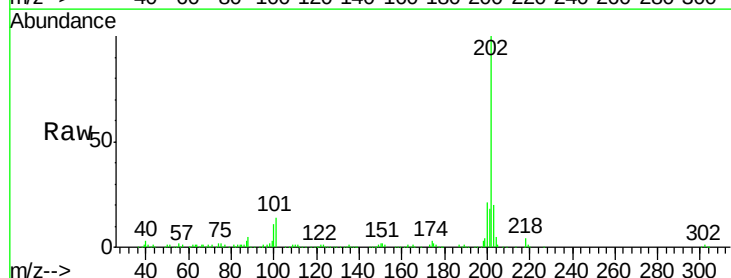
Tgt Ion:202 Resp: 176621

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

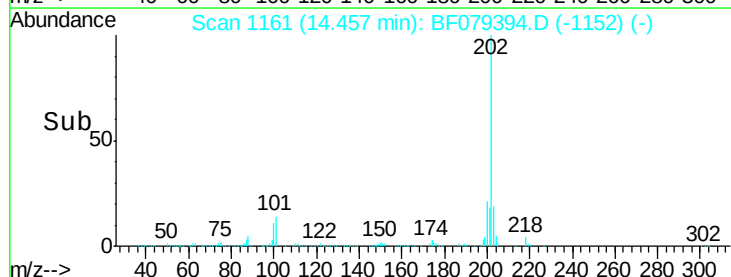
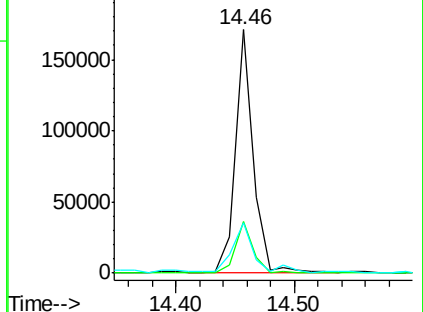
203 20.4 14.7 22.1

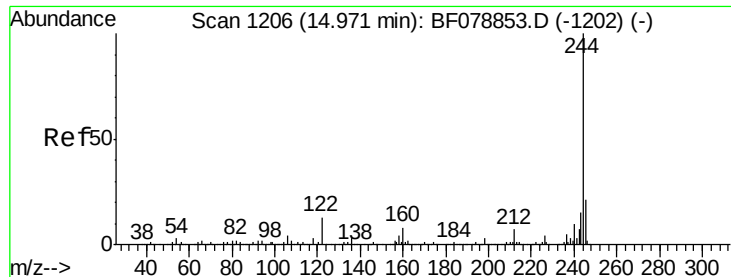


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 47.85 ng

RT: 14.67 min Scan# 1180

Delta R.T. -0.05 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

ClientSampleId :

LS-SB04B(10-10.5)

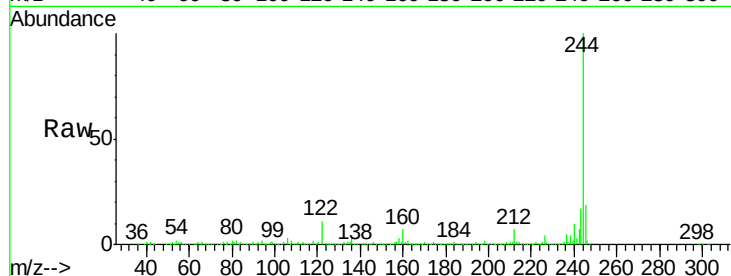
Tgt Ion:244 Resp: 569598

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

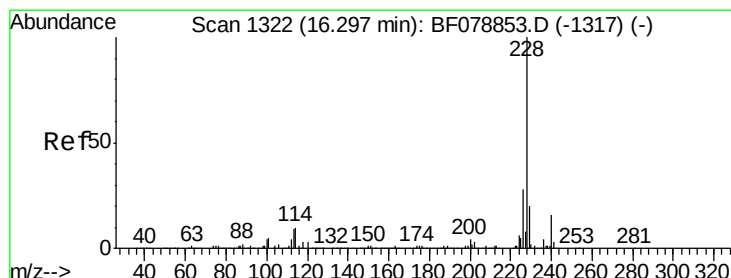
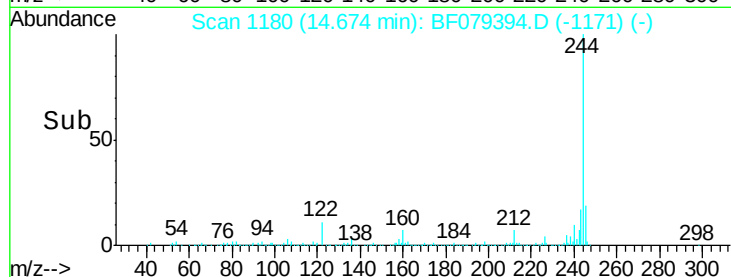
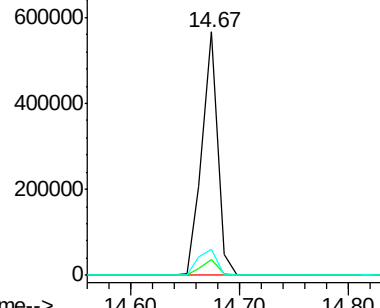
122 10.6 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 5.81 ng

RT: 15.95 min Scan# 1292

Delta R.T. -0.06 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

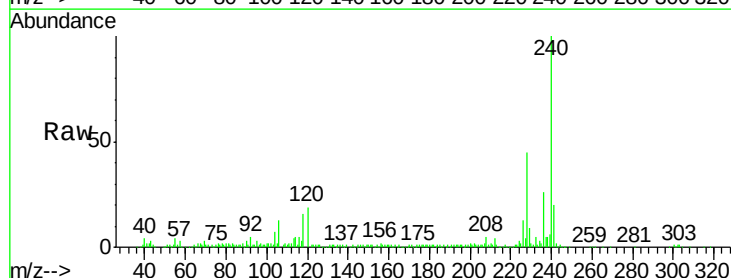
Tgt Ion:228 Resp: 90623

Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

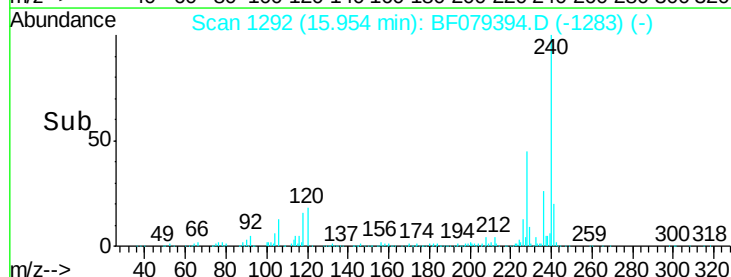
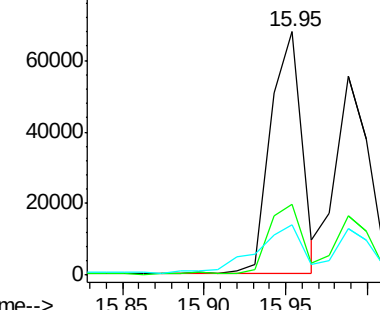
229 20.5 16.1 24.1

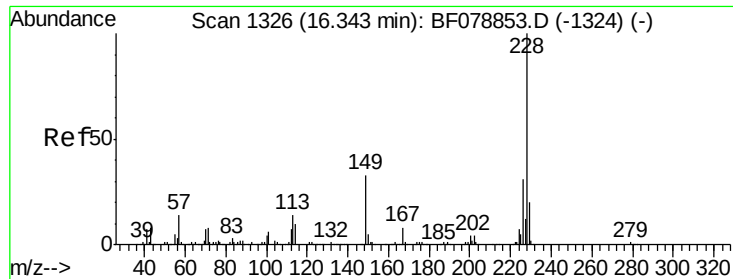


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

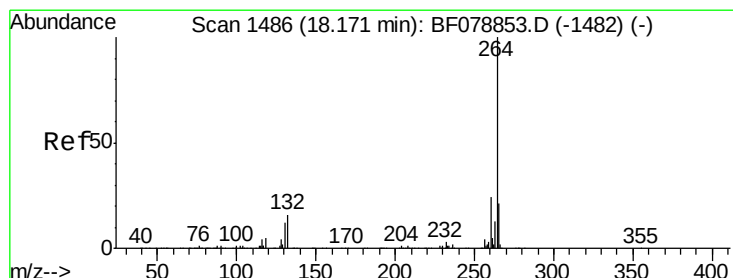
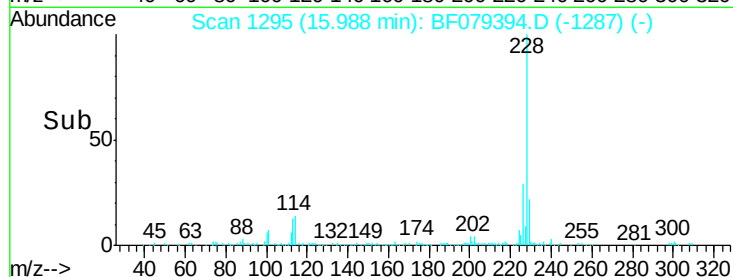
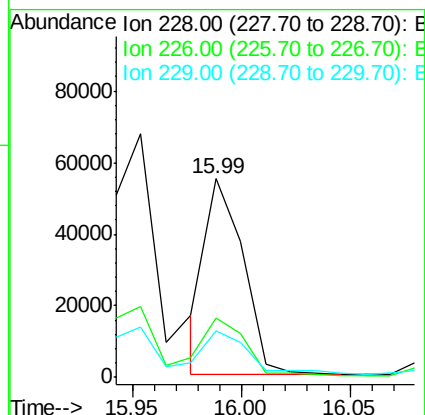
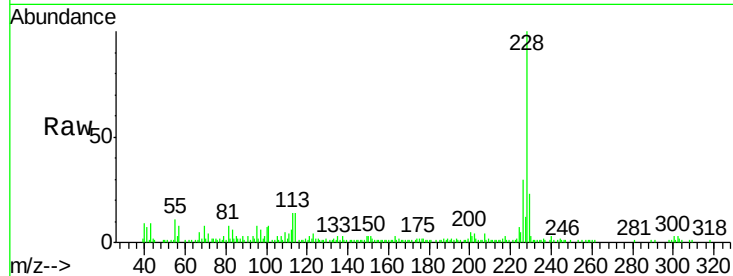




#82
Chrysene
Concen: 4.39 ng
RT: 15.99 min Scan# 1295
Delta R.T. -0.07 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

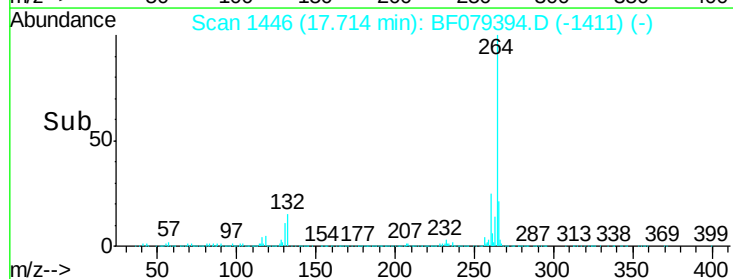
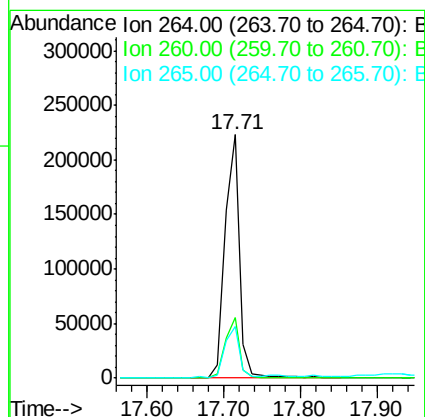
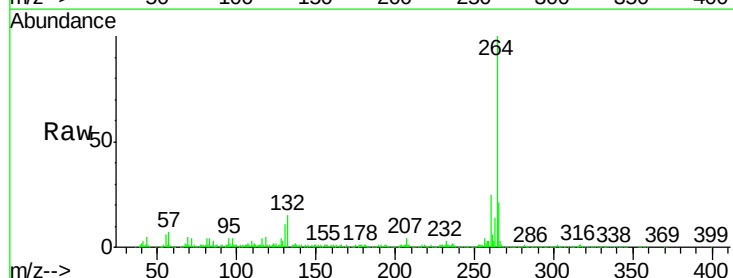
Instrument :
BNA_F
ClientSampleId :
LS-SB04B(10-10.5)

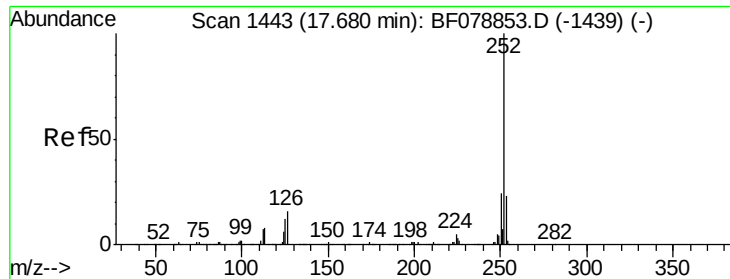
Tgt Ion:228 Resp: 65836
Ion Ratio Lower Upper
228 100
226 30.0 24.8 37.2
229 23.4 16.1 24.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.71 min Scan# 1446
Delta R.T. -0.10 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Tgt Ion:264 Resp: 296425
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 21.3 17.2 25.8

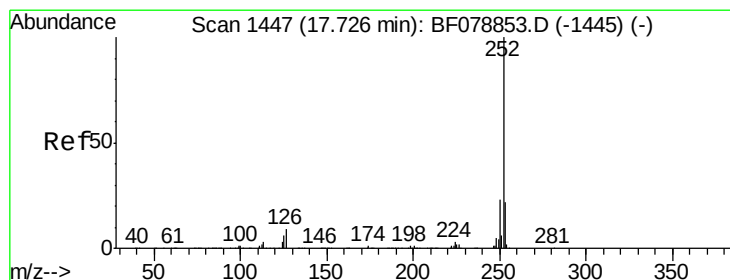
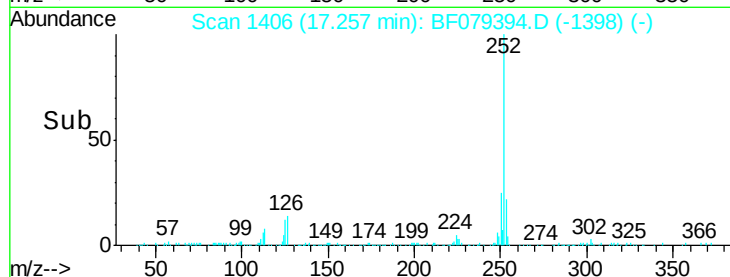
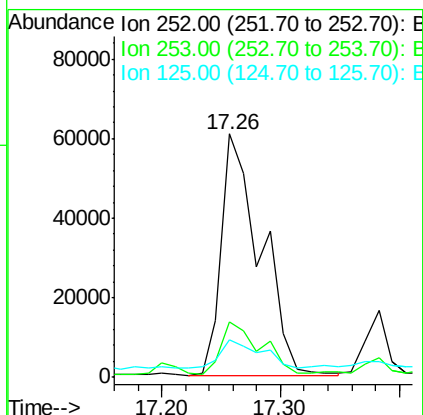
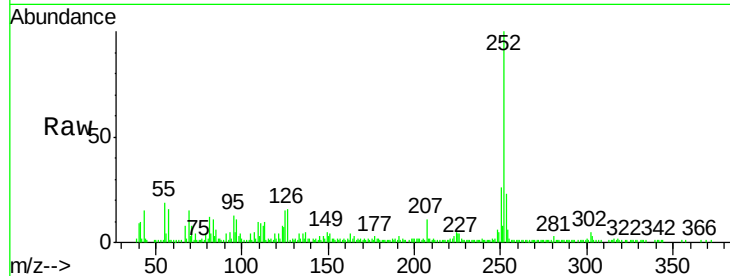




#87
Benzo(b)fluoranthene
Concen: 8.62 ng
RT: 17.26 min Scan# 1406
Delta R.T. -0.09 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

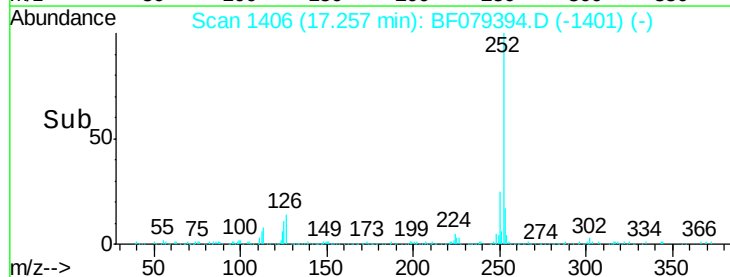
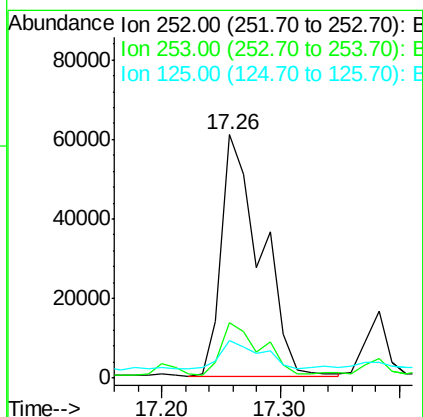
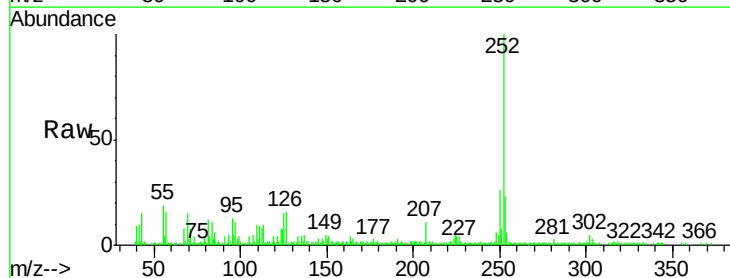
Instrument :
BNA_F
ClientSampleId :
LS-SB04B(10-10.5)

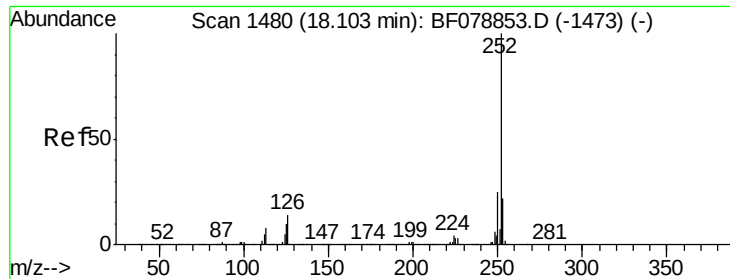
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.5	9.4	14.2#



#88
Benzo(k)fluoranthene
Concen: 8.90 ng
RT: 17.26 min Scan# 1406
Delta R.T. -0.13 min
Lab File: BF079394.D
Acq: 20 May 2015 22:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	15.5	6.1	9.1#





#89

Benzo(a)pyrene

Concen: 5.64 ng

RT: 17.65 min Scan# 1440

Delta R.T. -0.10 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

Instrument :

BNA_F

ClientSampleId :

LS-SB04B(10-10.5)

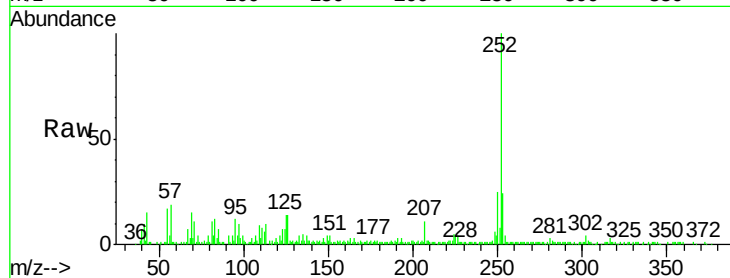
Tgt Ion:252 Resp: 84245

Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

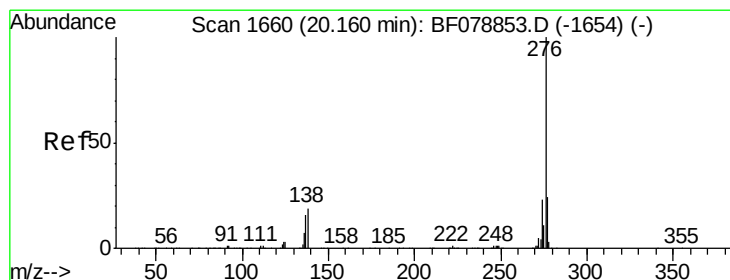
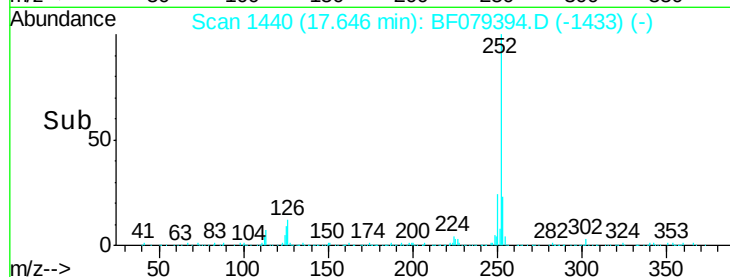
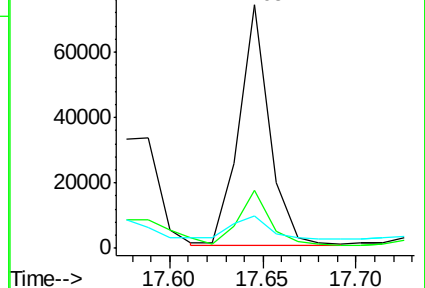
125 13.6 8.2 12.2#



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



#91

Benzo(g,h,i)perylene

Concen: 3.19 ng

RT: 19.47 min Scan# 1600

Delta R.T. -0.15 min

Lab File: BF079394.D

Acq: 20 May 2015 22:49

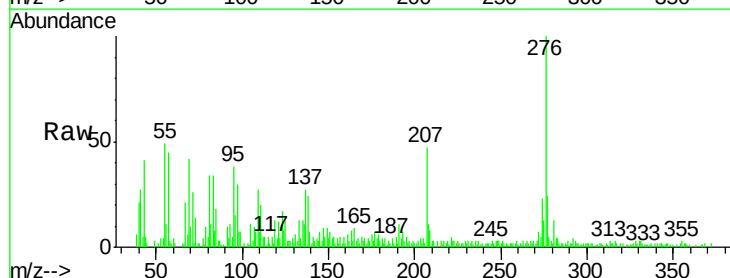
Tgt Ion:276 Resp: 50714

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 23.9 15.2 22.8#



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

