

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 13:09:30 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 02:17:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.22	152	45851	20.00	ng	0.00
21) Naphthalene-d8	8.79	136	186499	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	88594	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	174329	20.00	ng	0.00
75) Chrysene-d12	16.11	240	209736	20.00	ng	-0.13
86) Perylene-d12	17.90	264	223587	20.00	ng	-0.40

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	141545m	53.14	ng	0.00
7) Phenol-d6	6.79	99	184968	52.53	ng	0.00
23) Nitrobenzene-d5	7.91	82	105161	32.41	ng	0.00
41) 2,4,6-Tribromophenol	11.95	330	50639	52.84	ng	0.00
44) 2-Fluorobiphenyl	10.14	172	215460	33.88	ng	-0.01
78) Terphenyl-d14	14.81	244	270947	30.93	ng	-0.02

Target Compounds

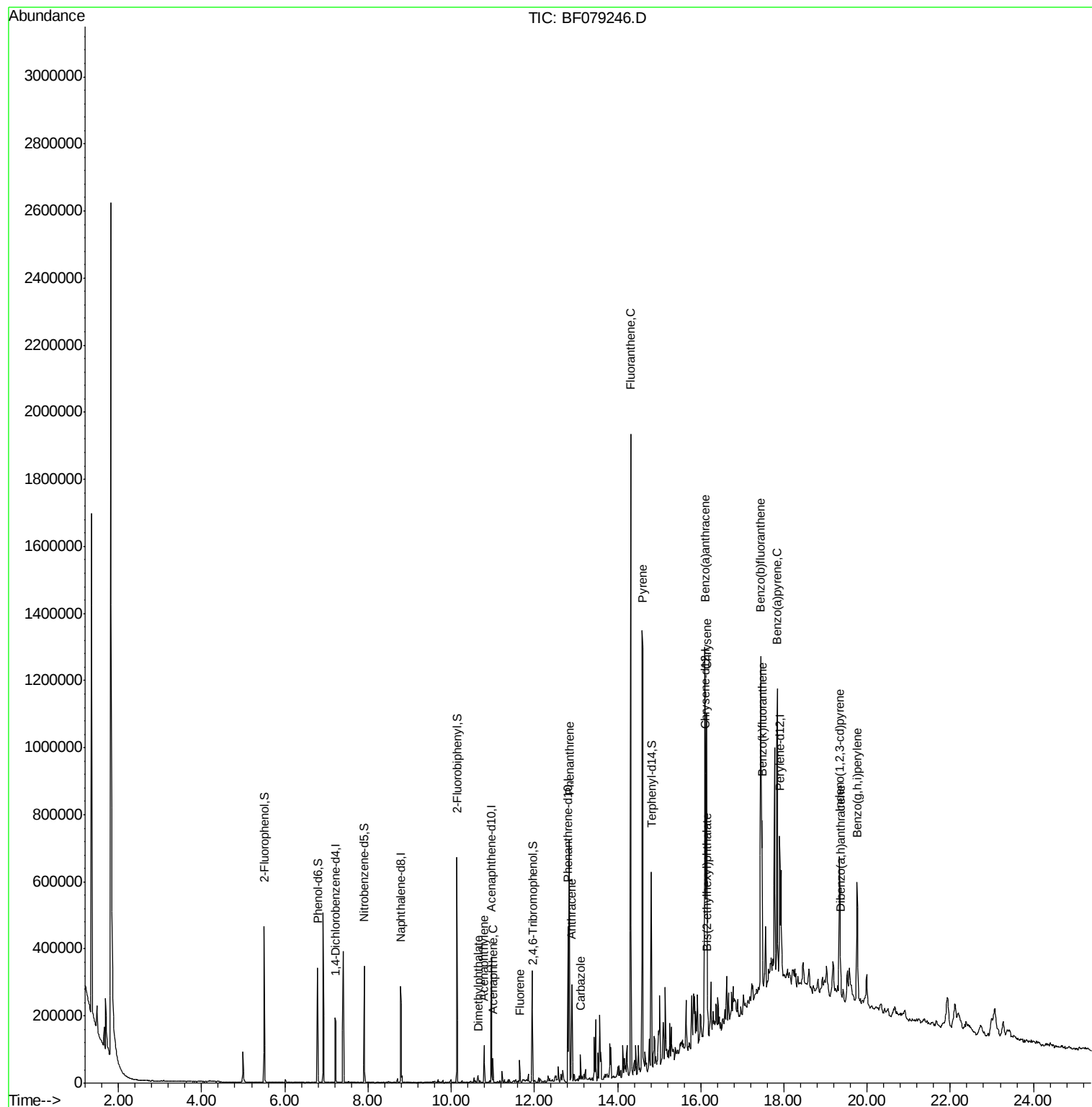
						Qvalue
48) Acenaphthylene	10.79	152	60607	6.72	ng	100
49) Dimethylphthalate	10.65	163	13426	2.06	ng	97
51) Acenaphthene	11.00	154	16030	2.98	ng	97
57) Fluorene	11.64	166	20728	3.25	ng	98
70) Phenanthrene	12.85	178	420052	43.07	ng	99
71) Anthracene	12.90	178	116375	12.16	ng	98
72) Carbazole	13.11	167	34010	3.73	ng	99
74) Fluoranthene	14.32	202	835131	82.18	ng	99
77) Pyrene	14.61	202	799665m	66.16	ng	
80) Benzo(a)anthracene	16.10	228	461239m	40.16	ng	
82) Chrysene	16.15	228	462692m	41.89	ng	
83) Bis(2-ethylhexyl)phthalate	16.16	149	19116	2.39	ng	# 97
85) Indeno(1,2,3-cd)pyrene	19.34	276	293552m	20.86	ng	
87) Benzo(b)fluoranthene	17.44	252	685814m	56.04	ng	
88) Benzo(k)fluoranthene	17.47	252	183421m	15.48	ng	
89) Benzo(a)pyrene	17.84	252	475043	42.16	ng	99
90) Dibenzo(a,h)anthracene	19.36	278	62677m	5.23	ng	
91) Benzo(g,h,i)perylene	19.76	276	297977	24.82	ng	# 93

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

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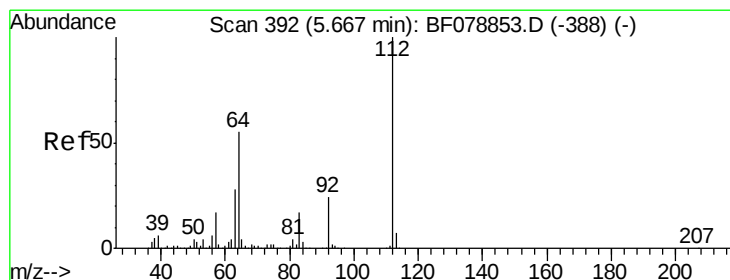
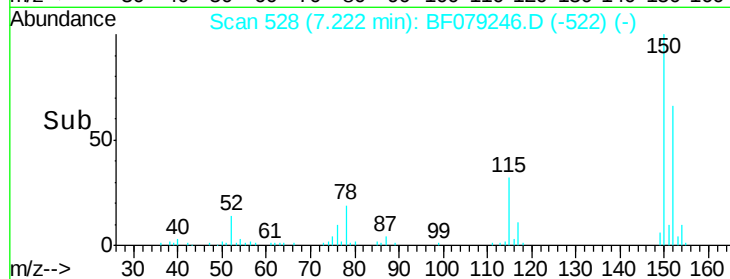
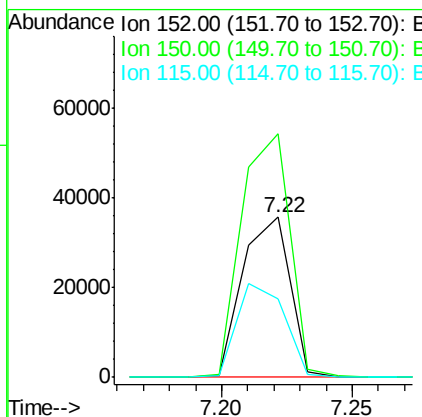
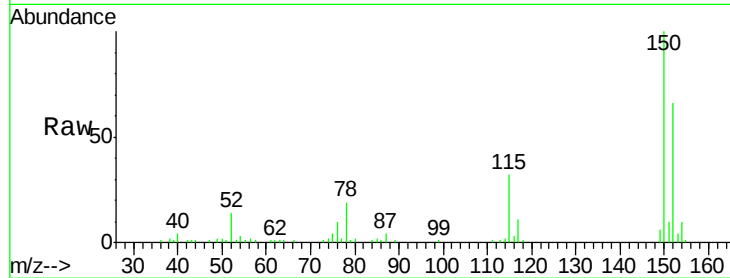




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.22 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

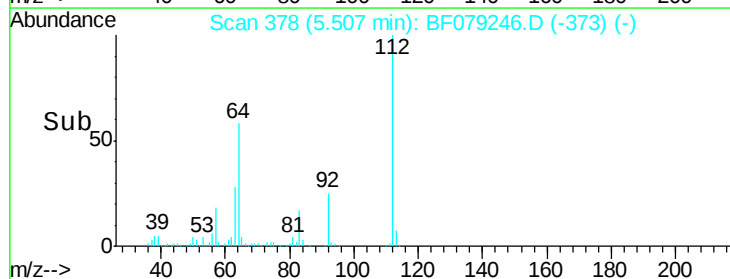
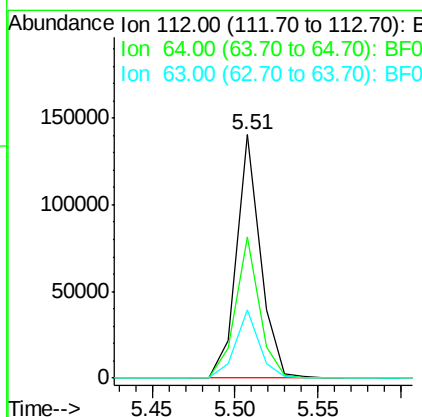
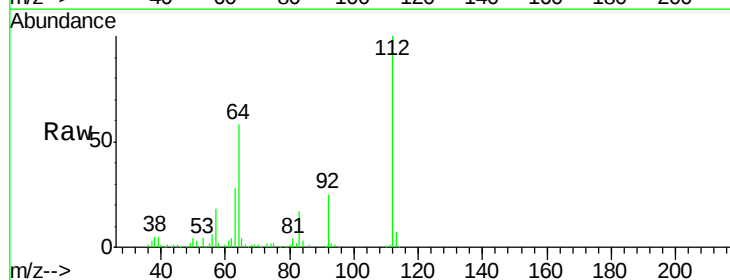
Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	123.8	185.8
115	49.2	49.4	74.0



#5
 2-Fluorophenol
 Concen: 53.14 ng m
 RT: 5.51 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.2	66.2
63	27.9	22.7	34.1





#7

Phenol-d6

Concen: 52.53 ng

RT: 6.79 min Scan# 490

Delta R.T. 0.00 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

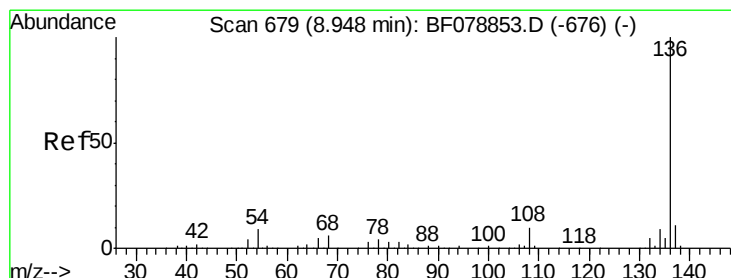
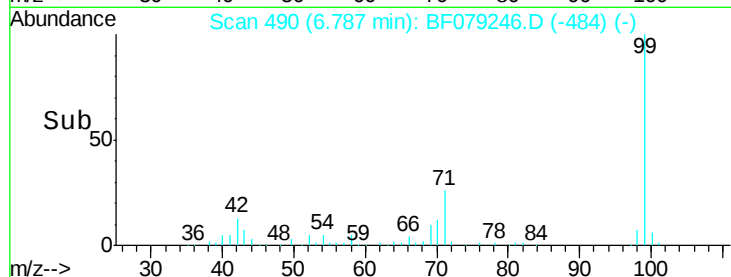
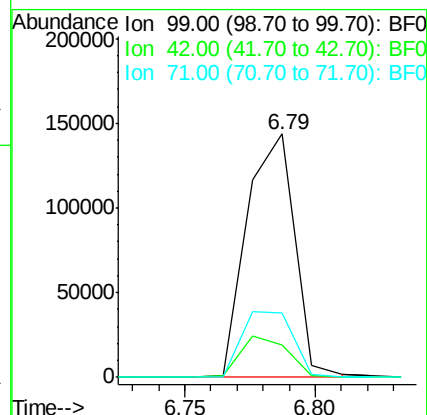
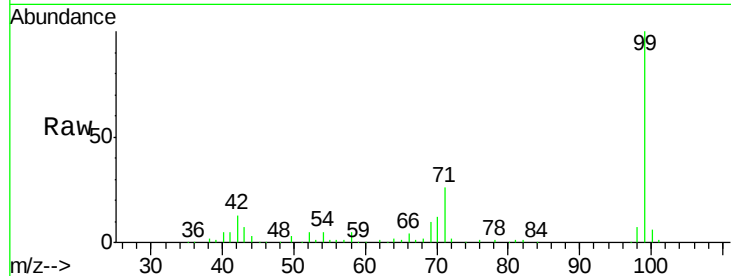
BNA_F

ClientSampleId :

SB-38S

Tot Ion: 99 Resp: 184968

Ion	Ratio	Lower	Upper
99	100		
42	13.2	17.1	25.7#
71	26.4	26.3	39.5



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.79 min Scan# 665

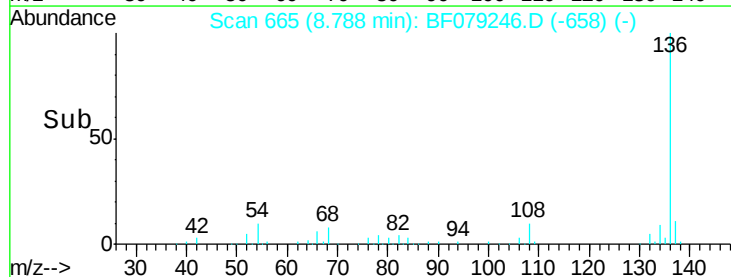
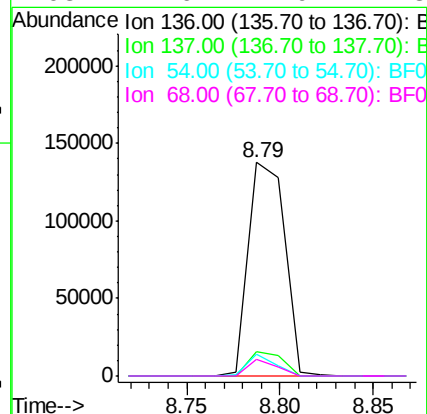
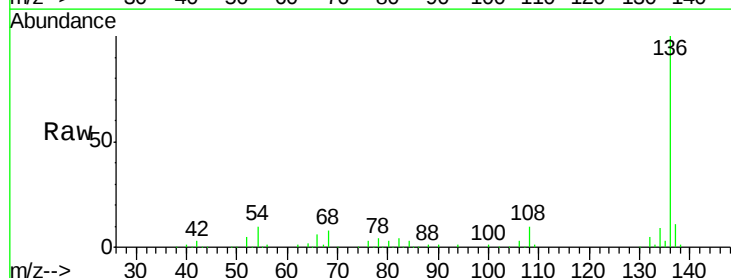
Delta R.T. -0.01 min

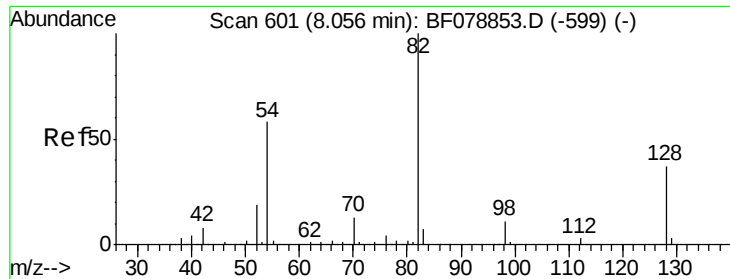
Lab File: BF079246.D

Acq: 14 May 2015 22:07

Tgt Ion: 136 Resp: 186499

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	10.0	6.9	10.3
68	7.6	4.9	7.3#

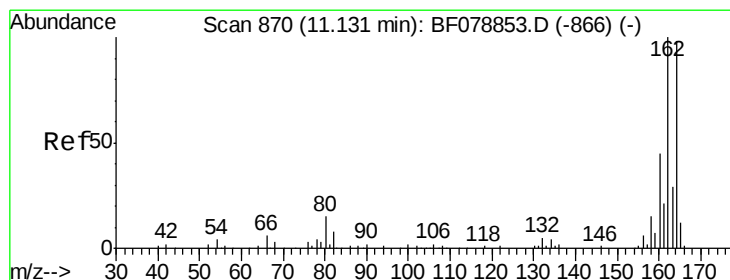
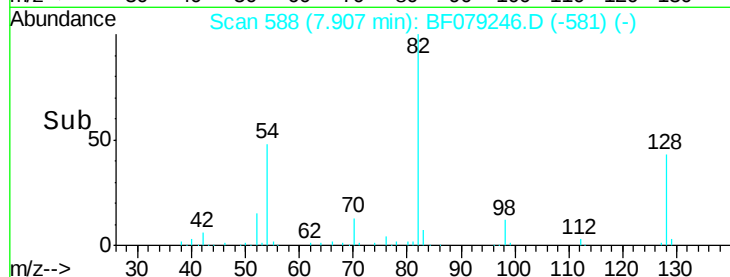
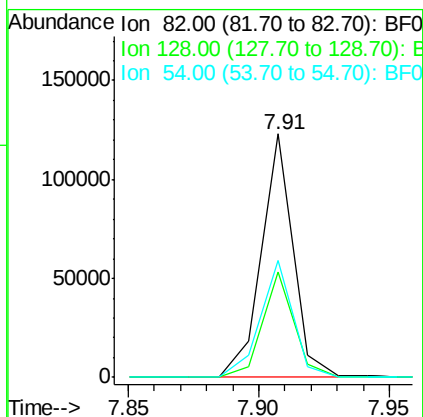
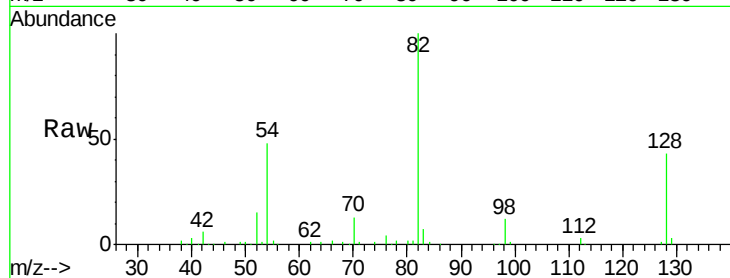




#23
 Nitrobenzene-d5
 Concen: 32.41 ng
 RT: 7.91 min Scan# 588
 Delta R.T. 0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

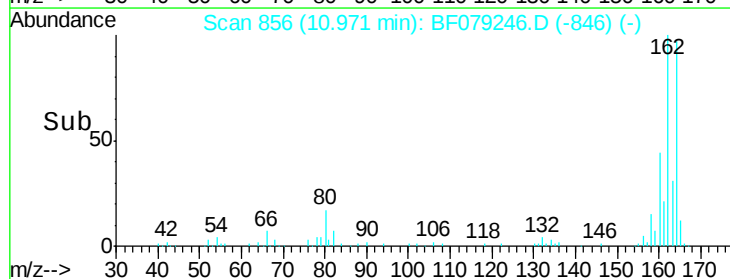
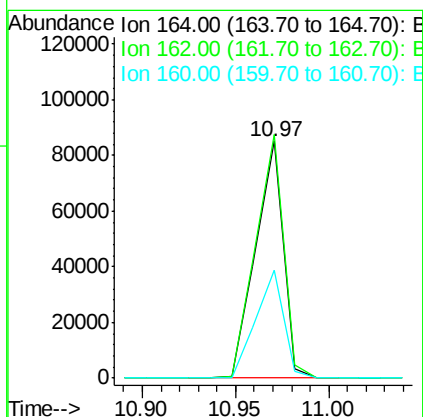
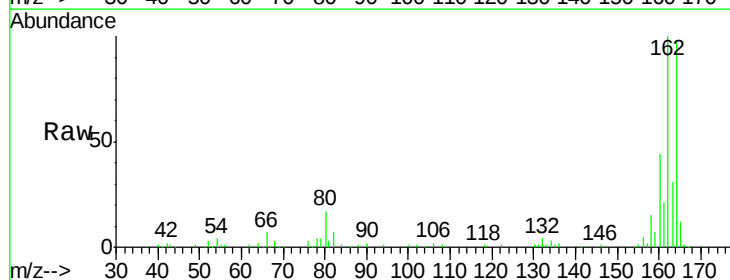
Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

Tot Ion	82	Resp	105161
Ion Ratio	100	Lower	Upper
128	43.2	29.7	44.5
54	48.0	46.2	69.4



#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	88594
Ion Ratio	100	Lower	Upper
162	102.8	81.4	122.0
160	45.5	36.6	54.8

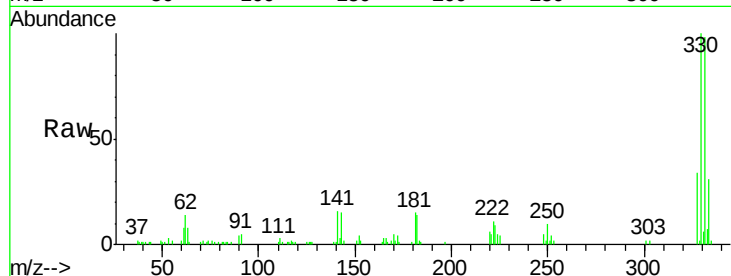




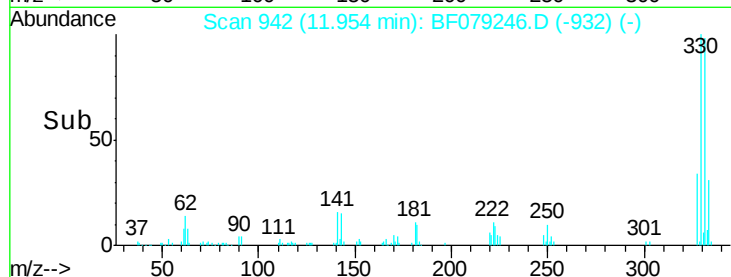
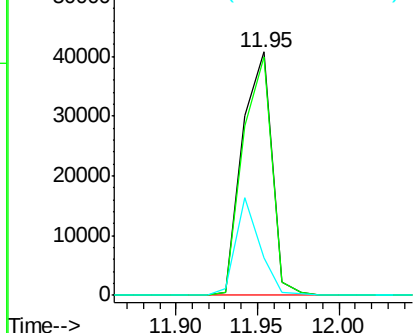
#41
 2,4,6-Tribromophenol
 Concen: 52.84 ng
 RT: 11.95 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

Tot Ion:330 Resp: 50639
 Ion Ratio Lower Upper
 330 100
 332 96.8 76.9 115.3
 141 33.3 27.8 41.8

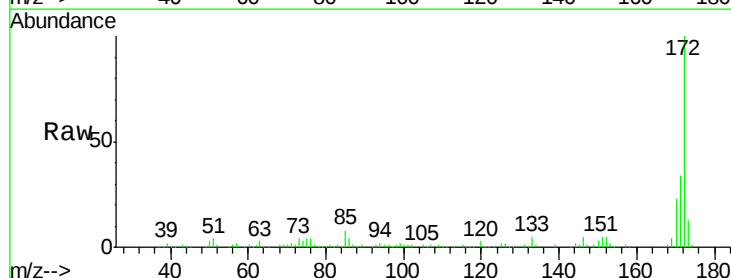


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

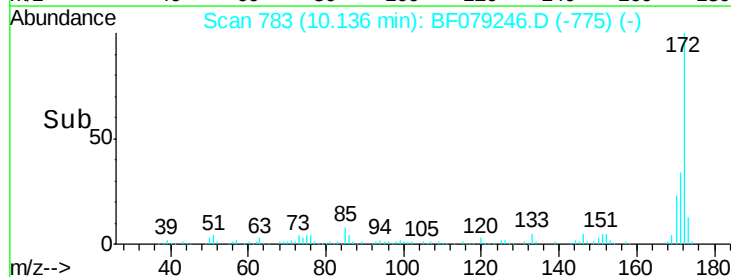
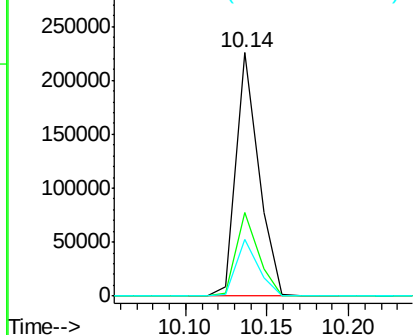


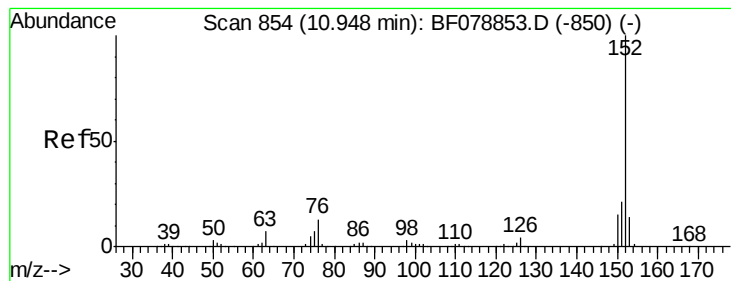
#44
 2-Fluorobiphenyl
 Concen: 33.88 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Tgt Ion:172 Resp: 215460
 Ion Ratio Lower Upper
 172 100
 171 34.5 28.3 42.5
 170 23.4 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





#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

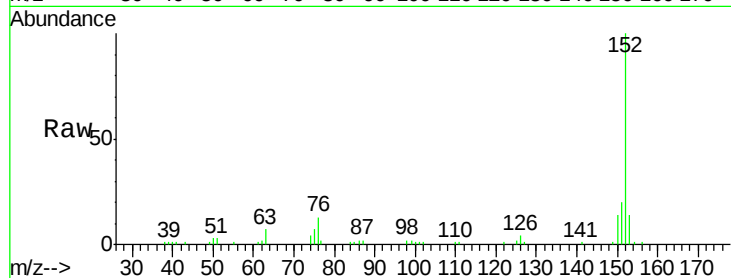
Tot Ion:152 Resp: 60607

Ion Ratio Lower Upper

152 100

151 20.4 16.6 24.8

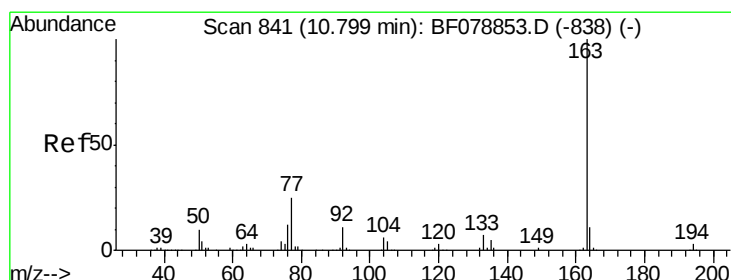
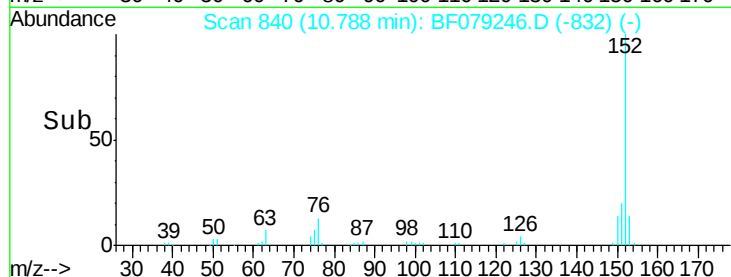
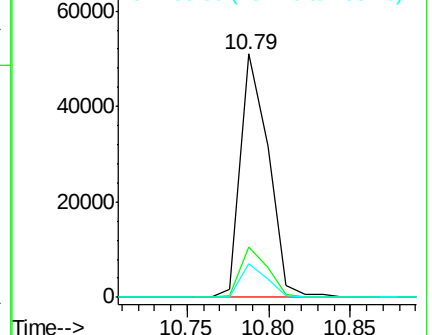
153 13.8 11.0 16.6



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: 2.06 ng

RT: 10.65 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

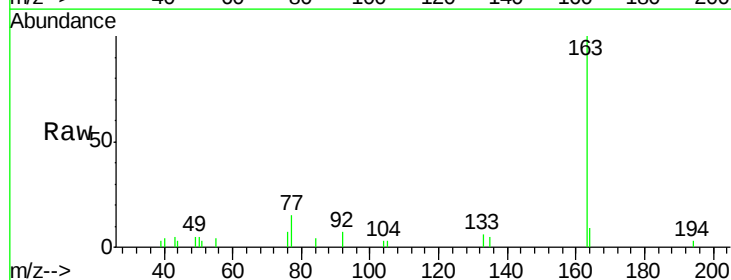
Tgt Ion:163 Resp: 13426

Ion Ratio Lower Upper

163 100

194 2.9 2.4 3.6

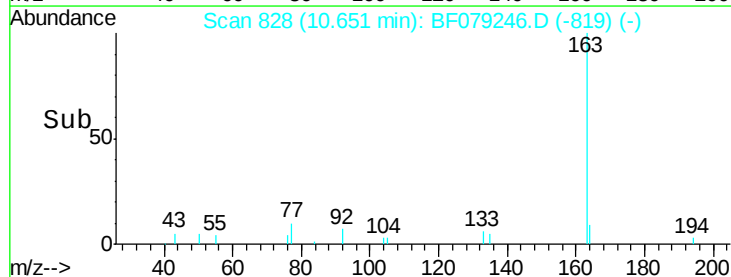
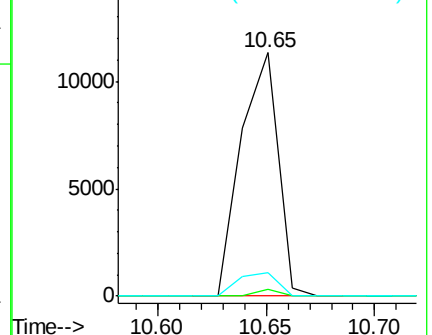
164 9.4 8.6 12.8

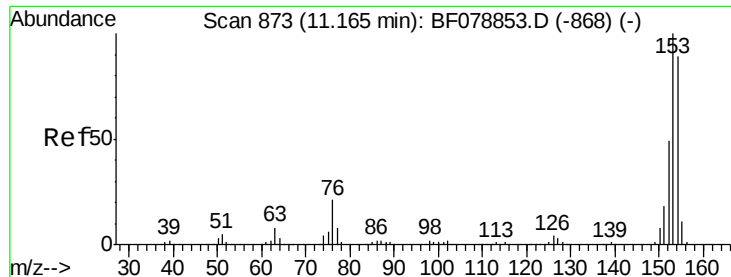


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.98 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

ClientSampled :

SB-38S

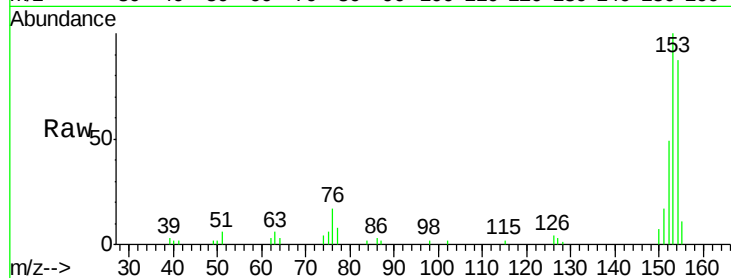
Tot Ion:154 Resp: 16030

Ion Ratio Lower Upper

154 100

153 115.3 90.2 135.2

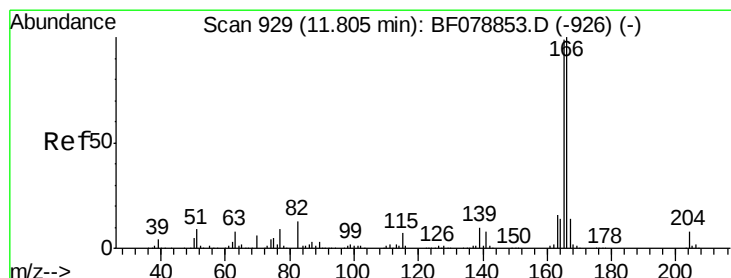
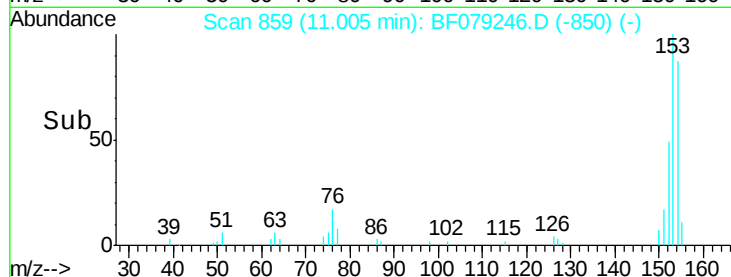
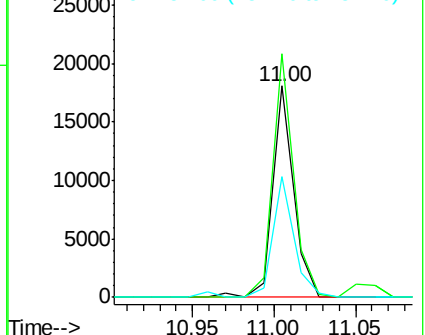
152 56.9 43.8 65.8



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



#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

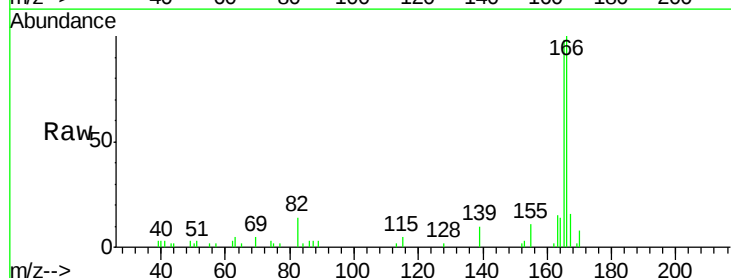
Tgt Ion:166 Resp: 20728

Ion Ratio Lower Upper

166 100

165 97.8 79.5 119.3

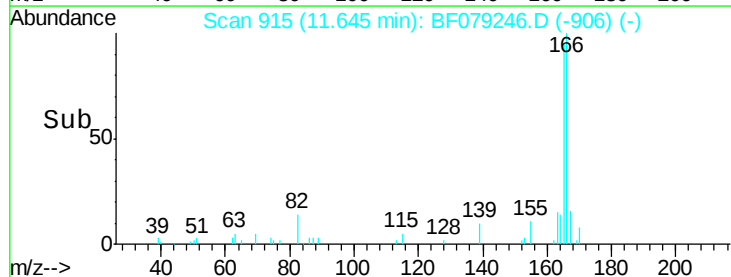
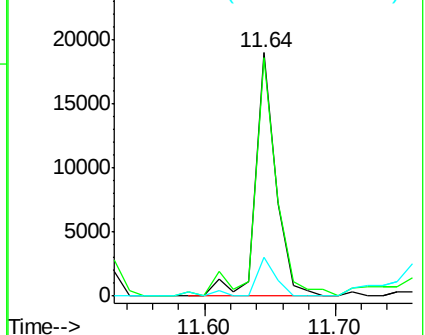
167 16.1 11.0 16.6

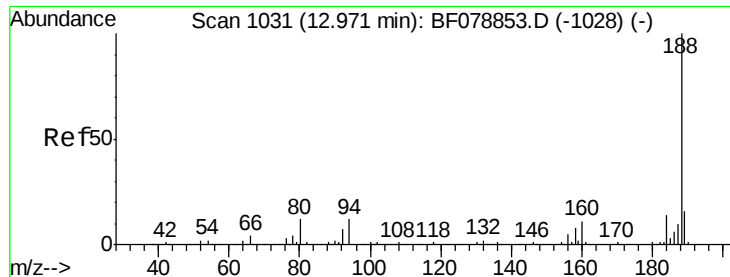


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

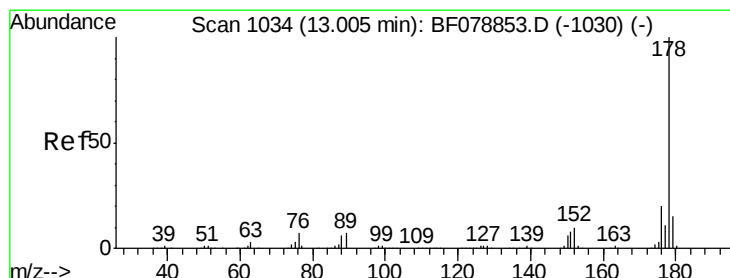
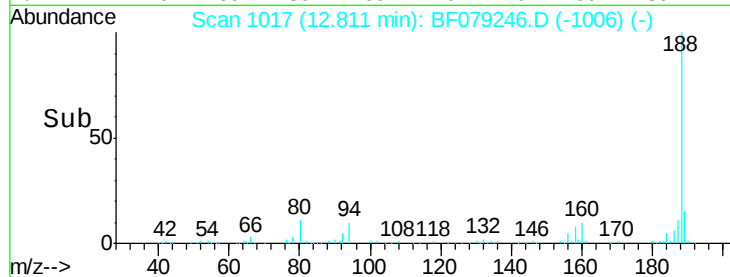
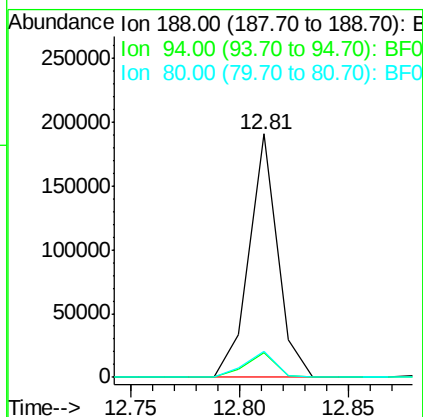
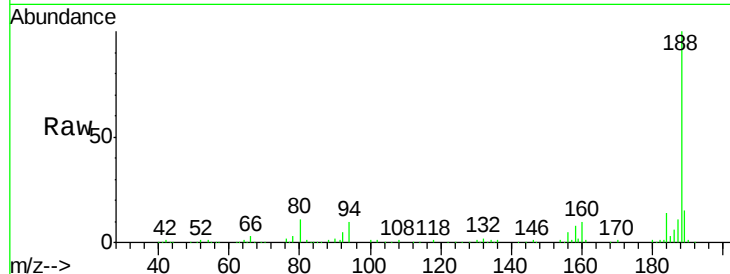




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.81 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

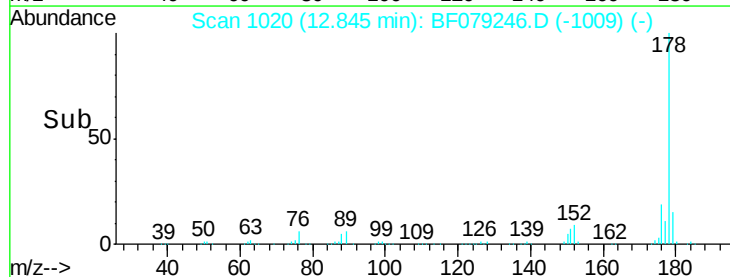
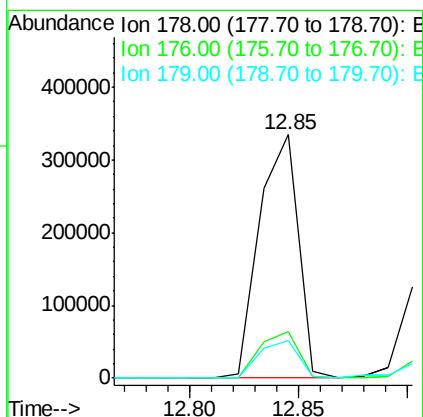
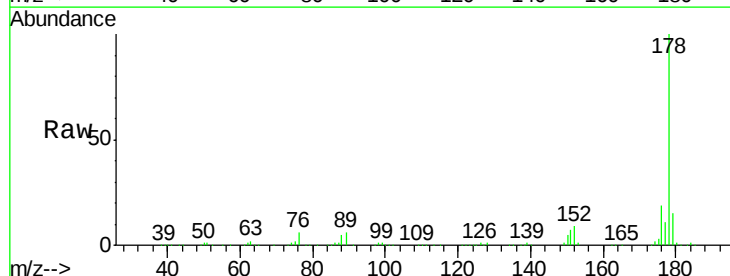
Instrument :
 BNA_F
 ClientSampled :
 SB-38S

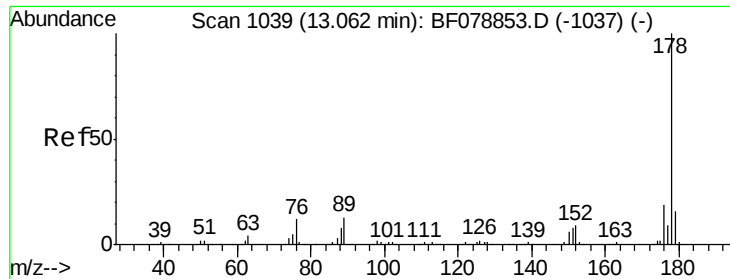
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.0
80	10.6	9.8	14.6



#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	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	15.2	12.2	18.4

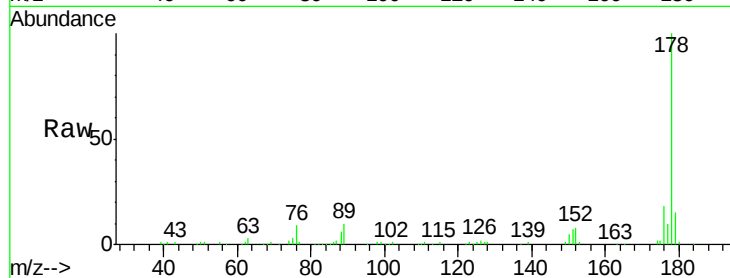




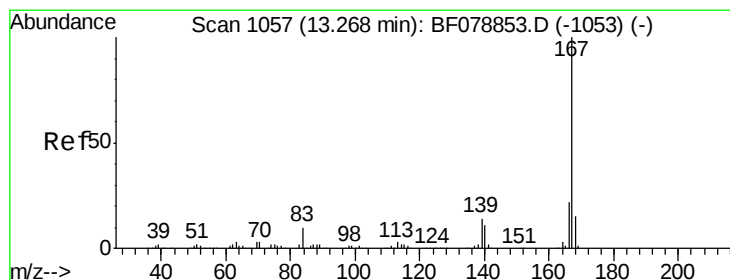
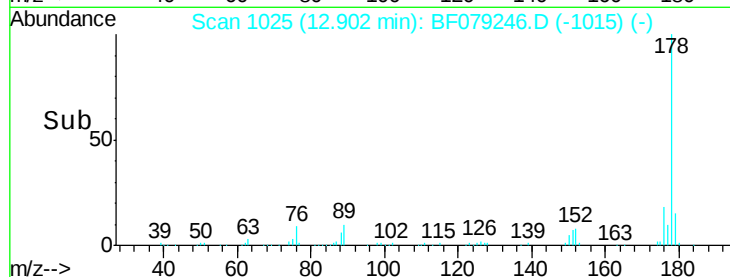
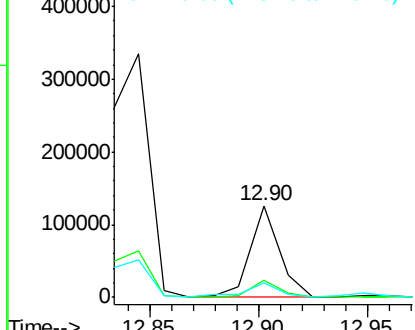
#71
 Anthracene
 Concen: 12.16 ng
 RT: 12.90 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-38S

Tot Ion:178 Resp: 116375
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.3 22.9
 179 15.3 12.6 19.0

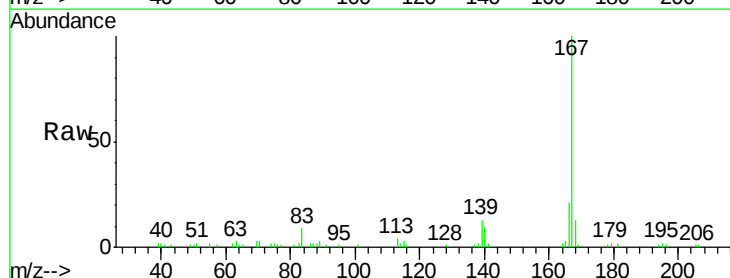


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

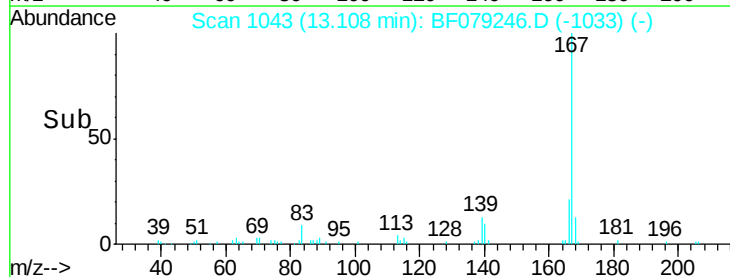
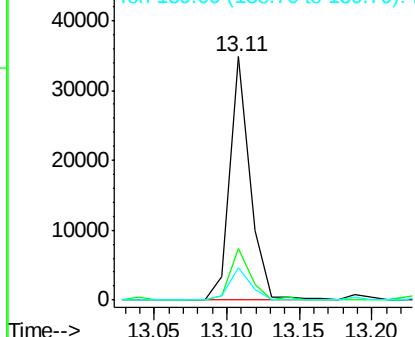


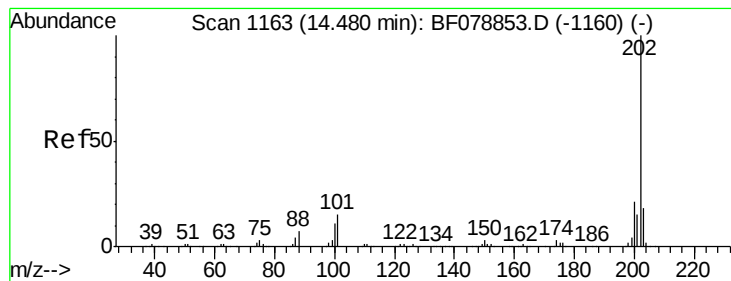
#72
 Carbazole
 Concen: 3.73 ng
 RT: 13.11 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF079246.D
 Acq: 14 May 2015 22:07

Tgt Ion:167 Resp: 34010
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.5 26.3
 139 13.4 11.0 16.4



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 82.18 ng

RT: 14.32 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampled :

SB-38S

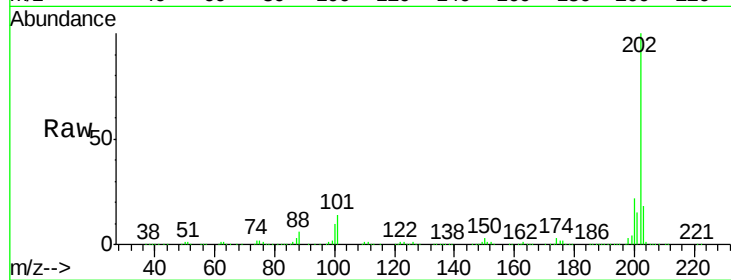
Tot Ion:202 Resp: 835131

Ion Ratio Lower Upper

202 100

101 13.6 0.0 34.7

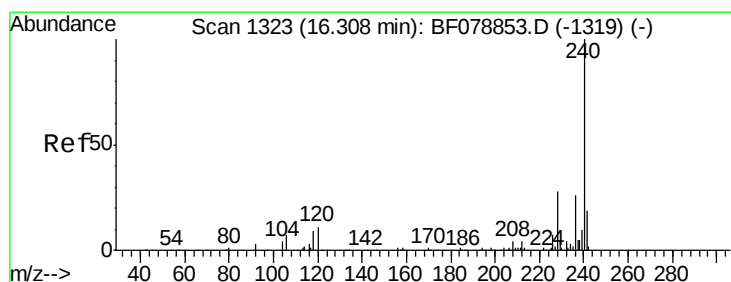
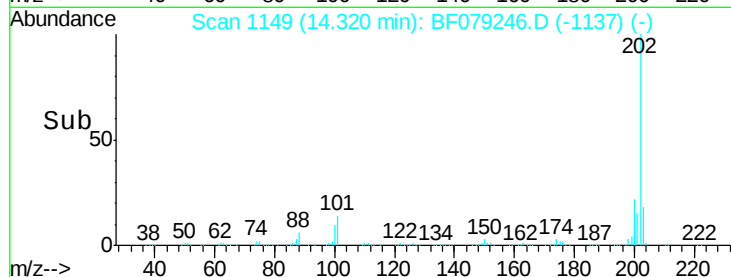
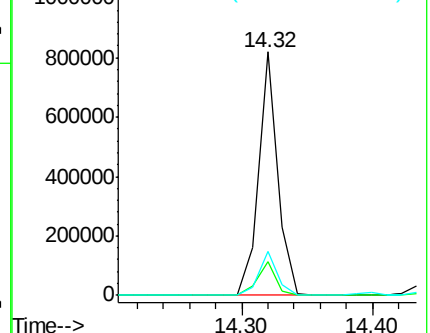
203 18.1 0.0 37.9



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: 16.11 min Scan# 1306

Delta R.T. -0.13 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

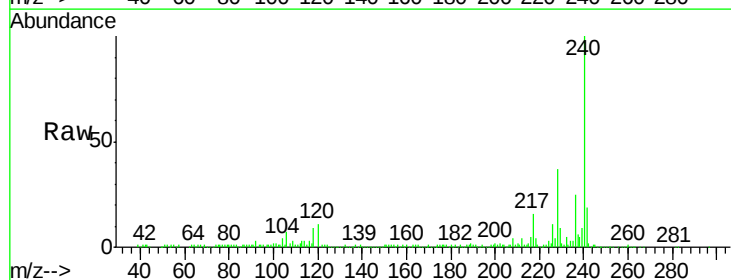
Tgt Ion:240 Resp: 209736

Ion Ratio Lower Upper

240 100

120 11.0 8.6 12.8

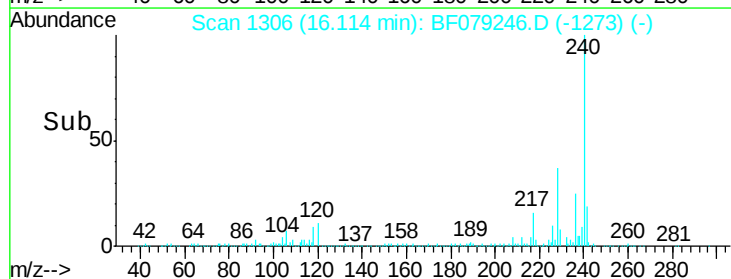
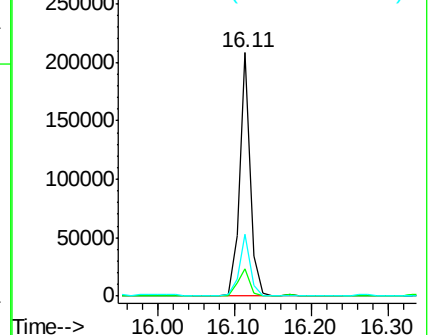
236 25.3 21.0 31.6

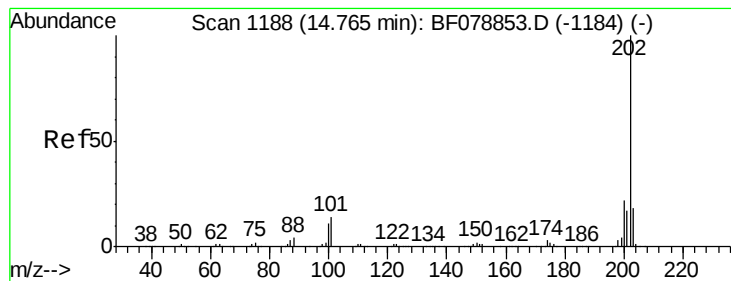


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 66.16 ng/mL

RT: 14.61 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

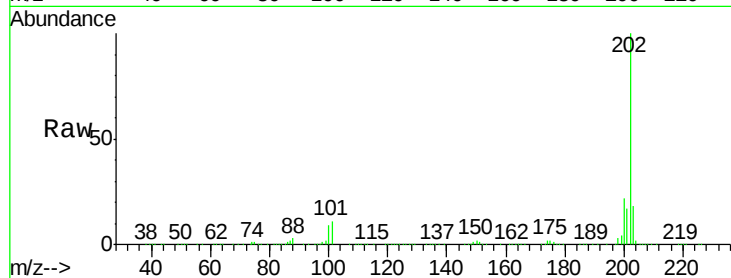
Tot Ion:202 Resp: 799665

Ion Ratio Lower Upper

202 100

200 21.6 17.5 26.3

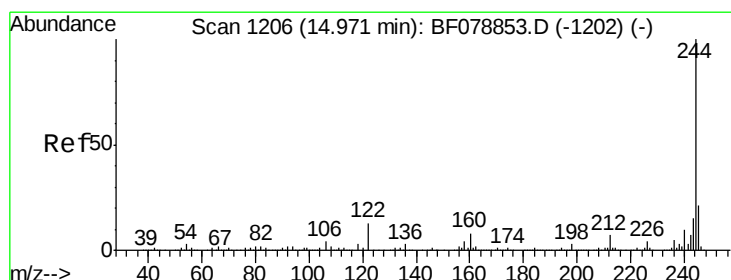
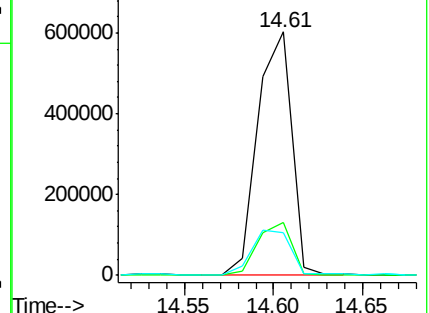
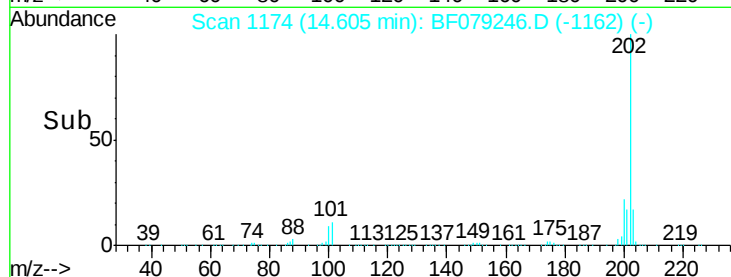
203 17.7 14.7 22.1



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: 30.93 ng/mL

RT: 14.81 min Scan# 1192

Delta R.T. -0.02 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

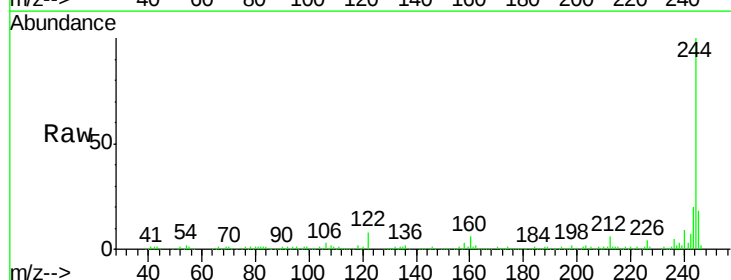
Tgt Ion:244 Resp: 270947

Ion Ratio Lower Upper

244 100

212 5.8 5.6 8.4

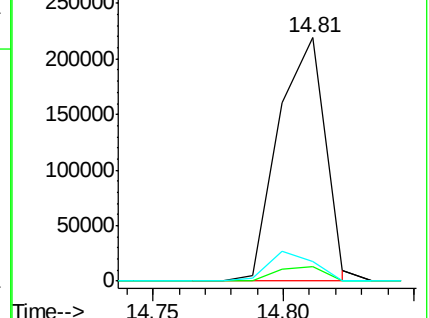
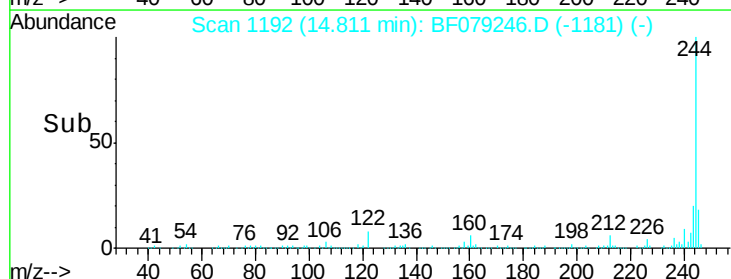
122 8.3 10.5 15.7#

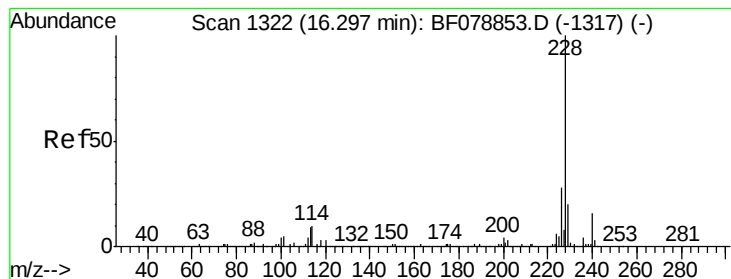


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 40.16 ng m

RT: 16.10 min Scan# 1305

Delta R.T. -0.13 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampled :

SB-38S

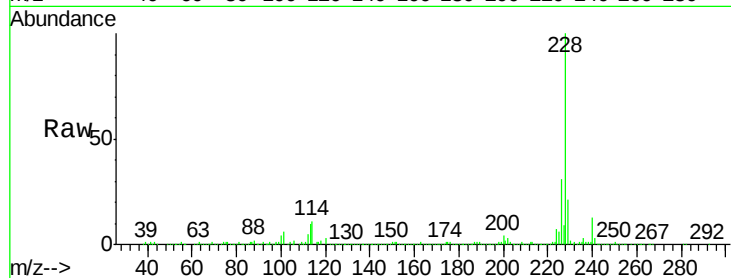
Tot Ion:228 Resp: 461239

Ion Ratio Lower Upper

228 100

226 30.7 22.3 33.5

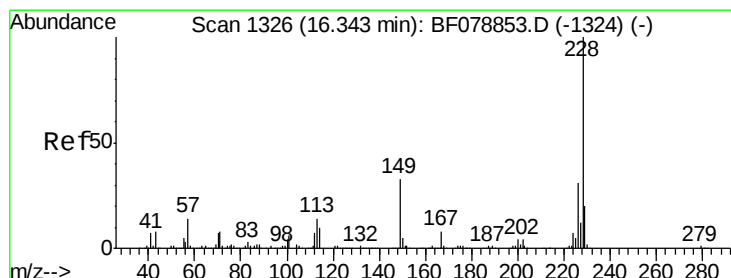
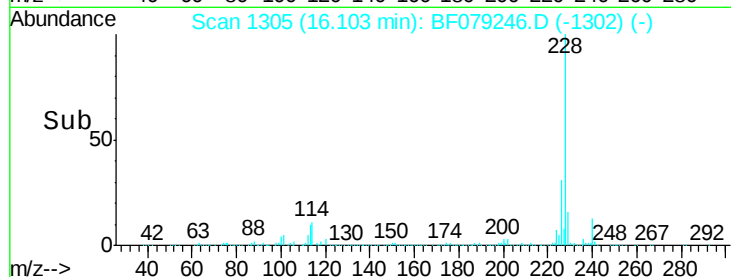
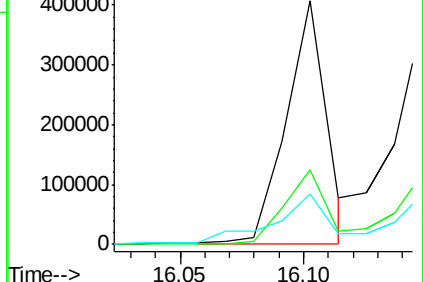
229 20.6 16.1 24.1



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: 41.89 ng m

RT: 16.15 min Scan# 1309

Delta R.T. -0.14 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

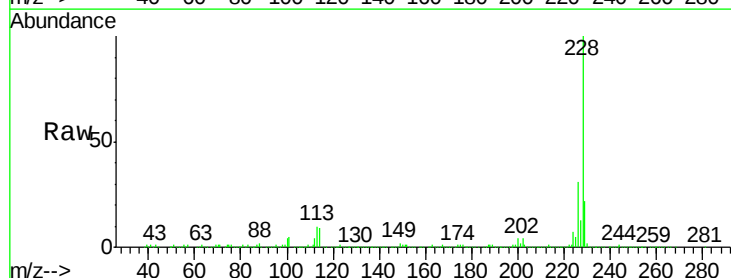
Tgt Ion:228 Resp: 462692

Ion Ratio Lower Upper

228 100

226 31.1 24.8 37.2

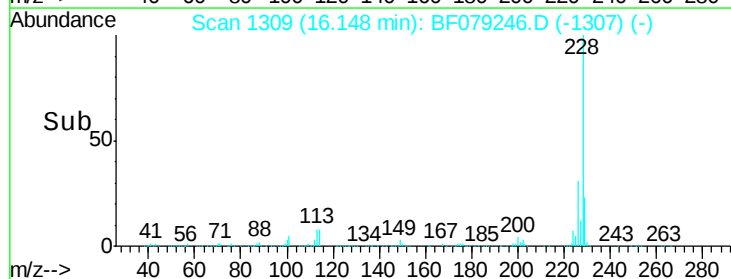
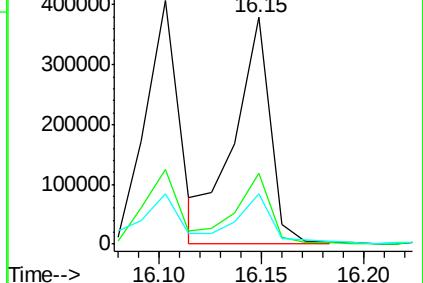
229 22.3 16.1 24.1

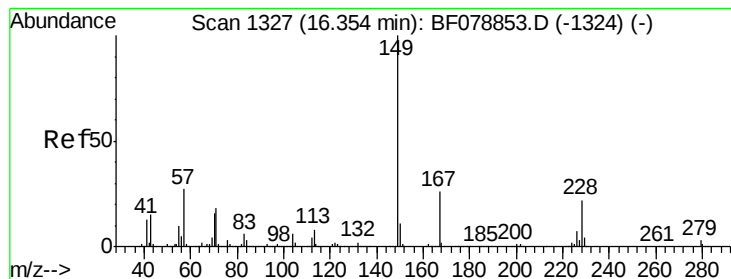


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.39 ng

RT: 16.16 min Scan# 1310

Delta R.T. -0.15 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampleId :

SB-38S

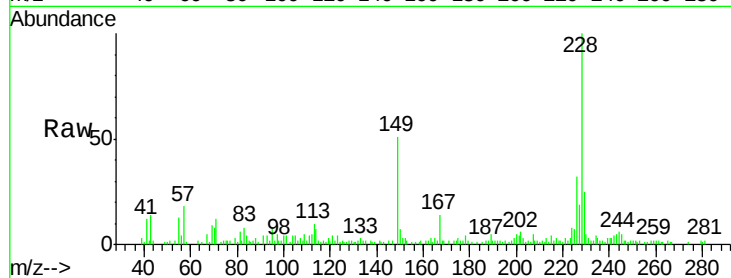
Tot Ion:149 Resp: 19116

Ion Ratio Lower Upper

149 100

167 28.2 21.2 31.8

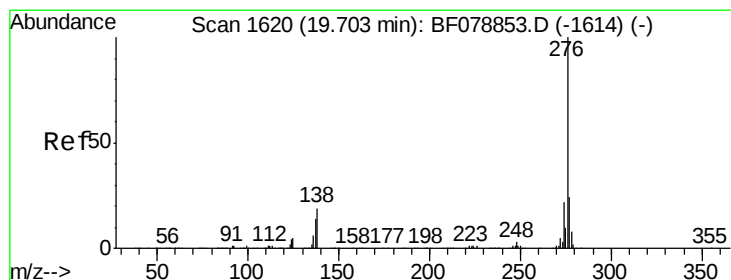
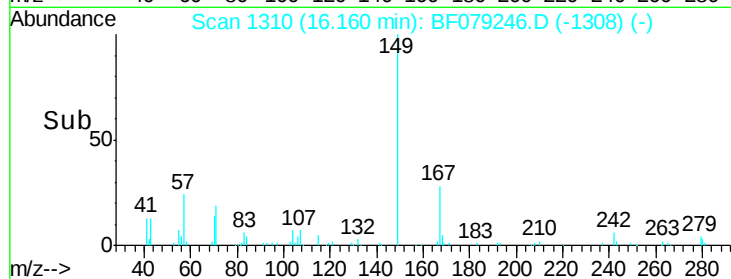
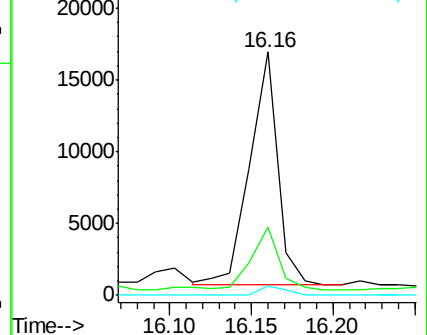
279 4.0 2.6 4.0#



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.86 ng m

RT: 19.34 min Scan# 1588

Delta R.T. -0.49 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

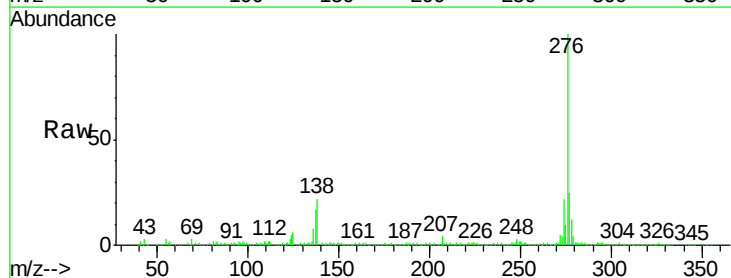
Tgt Ion:276 Resp: 293552

Ion Ratio Lower Upper

276 100

138 25.6 21.1 31.7

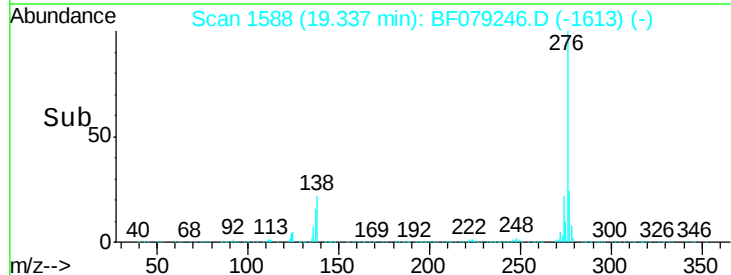
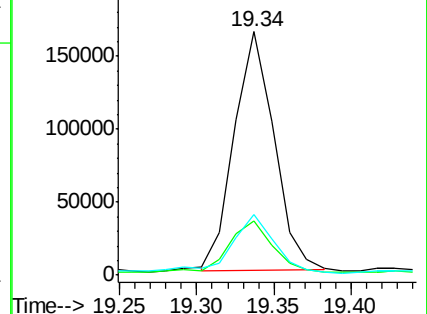
277 24.8 19.9 29.9

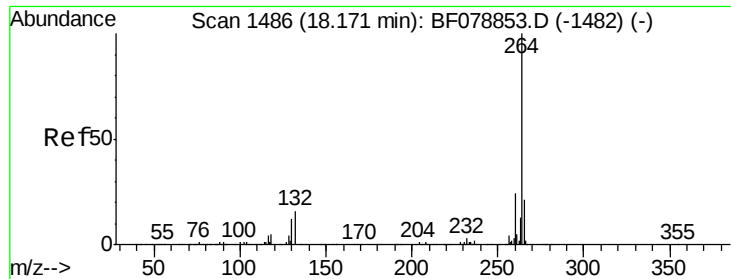


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

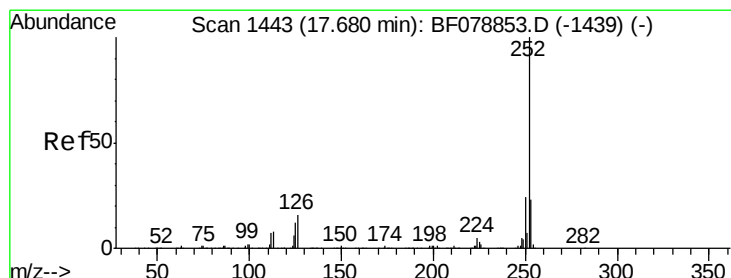
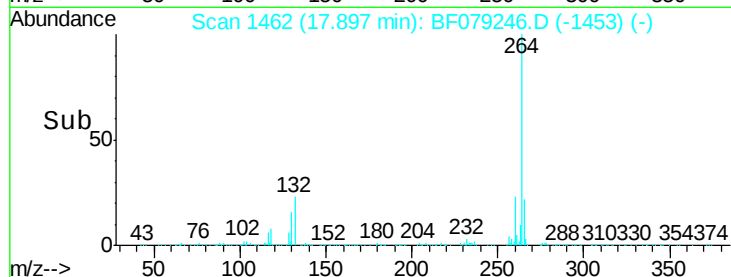
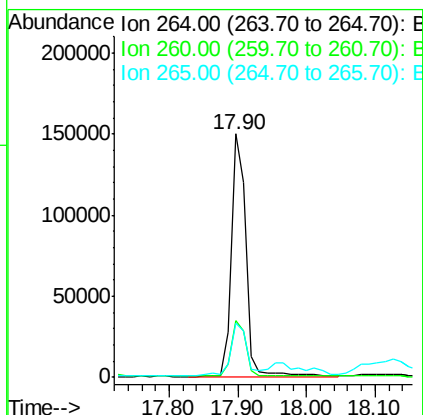
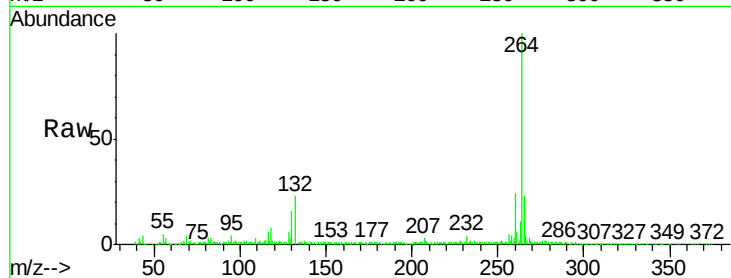




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.90 min Scan# 1462
Delta R.T. -0.40 min
Lab File: BF079246.D
Acq: 14 May 2015 22:07

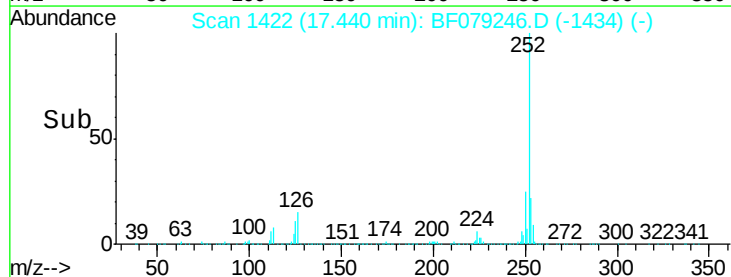
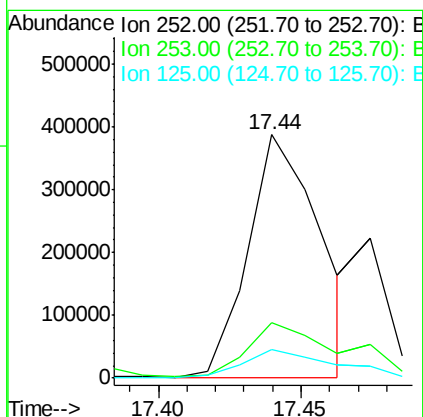
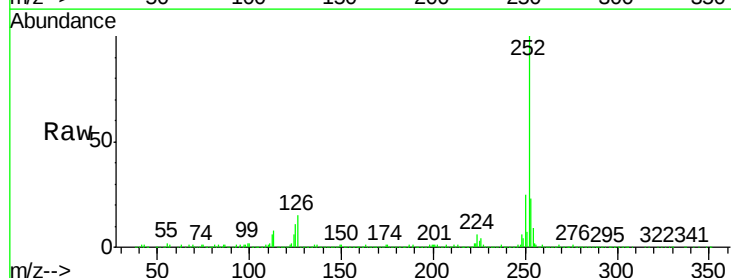
Instrument :
BNA_F
ClientSampleId :
SB-38S

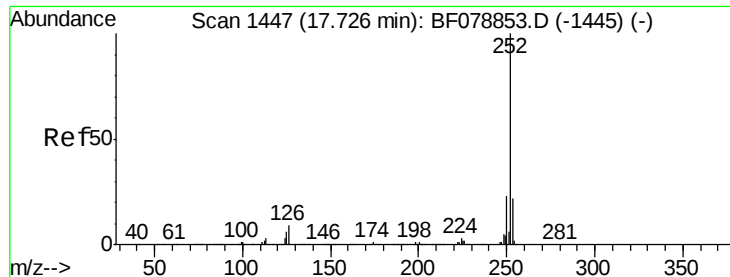
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 56.04 ng m
RT: 17.44 min Scan# 1422
Delta R.T. -0.32 min
Lab File: BF079246.D
Acq: 14 May 2015 22:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.5	9.4	14.2





#88

Benzo(k)fluoranthene

Concen: 15.48 ng

RT: 17.47 min Scan# 1425

Delta R.T. -0.32 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument :

BNA_F

ClientSampled :

SB-38S

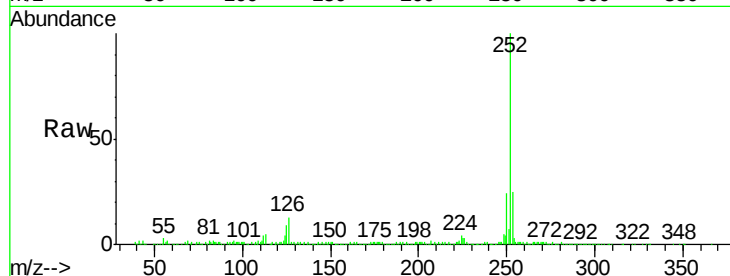
Tot Ion:252 Resp: 183421

Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

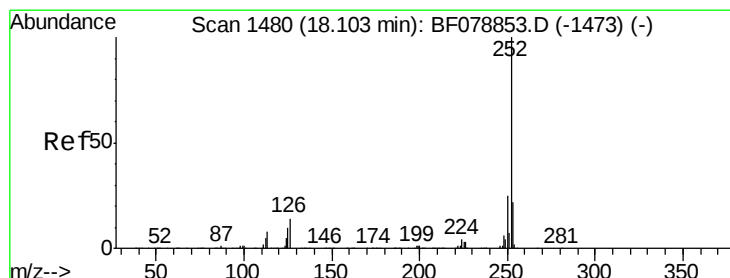
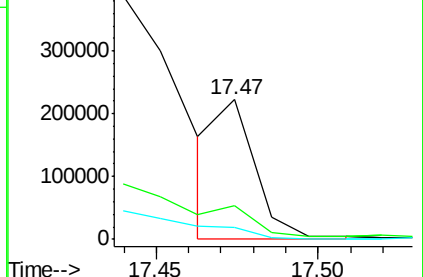
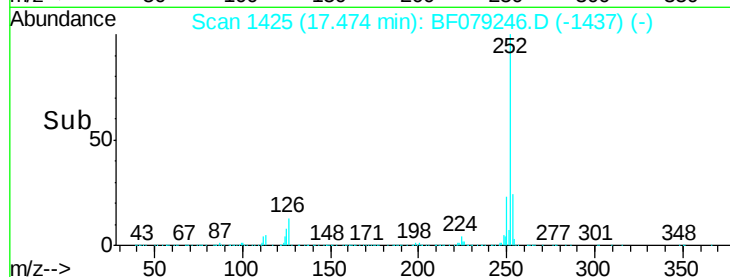
125 8.7 6.1 9.1



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



#89

Benzo(a)pyrene

Concen: 42.16 ng

RT: 17.84 min Scan# 1457

Delta R.T. -0.38 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

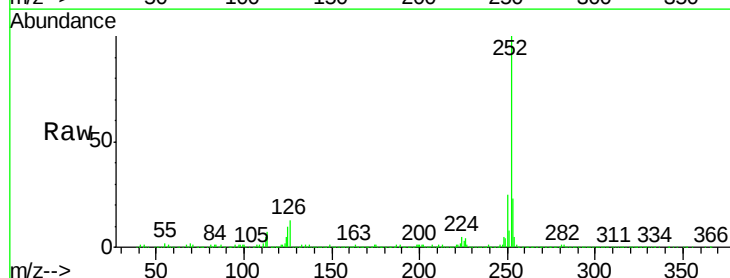
Tgt Ion:252 Resp: 475043

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

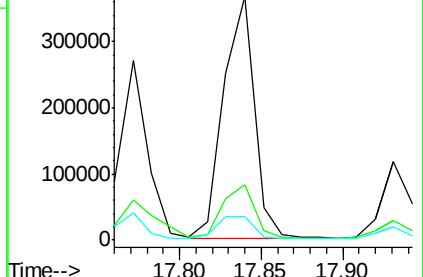
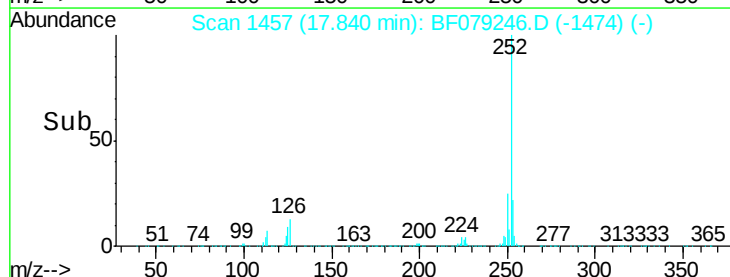
125 9.6 8.2 12.2

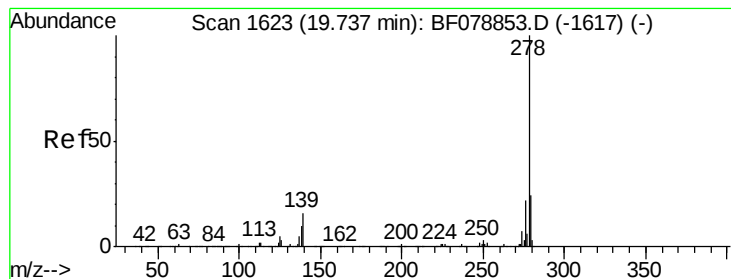


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 5.23 ng/mL

RT: 19.36 min Scan# 1590

Delta R.T. -0.50 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

Instrument:

BNA_F

ClientSampleId:

SB-38S

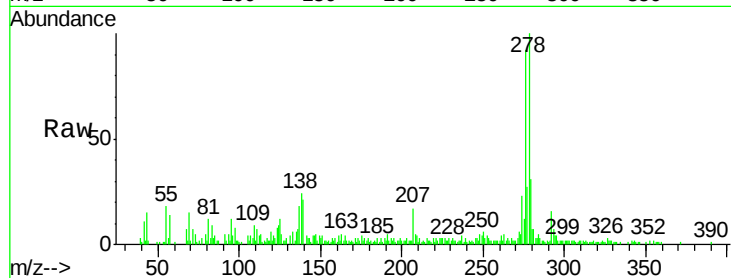
Tot Ion: 278 Resp: 62677

Ion Ratio Lower Upper

278 100

139 20.8 13.1 19.7#

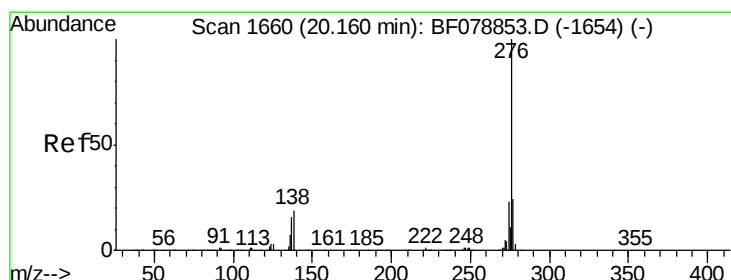
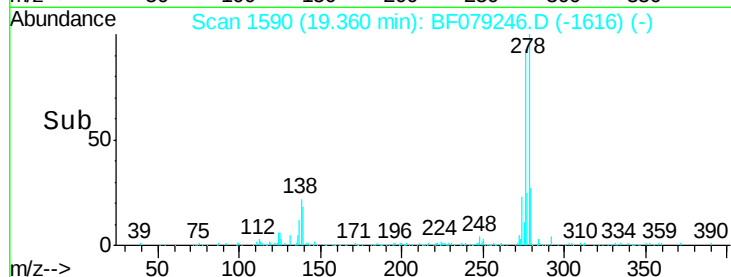
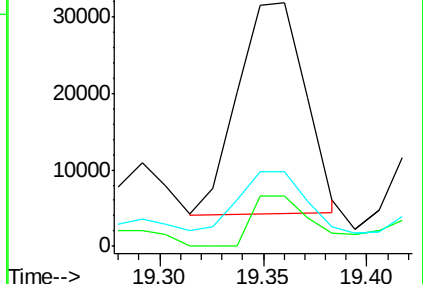
279 30.6 19.1 28.7#



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: 24.82 ng/mL

RT: 19.76 min Scan# 1625

Delta R.T. -0.50 min

Lab File: BF079246.D

Acq: 14 May 2015 22:07

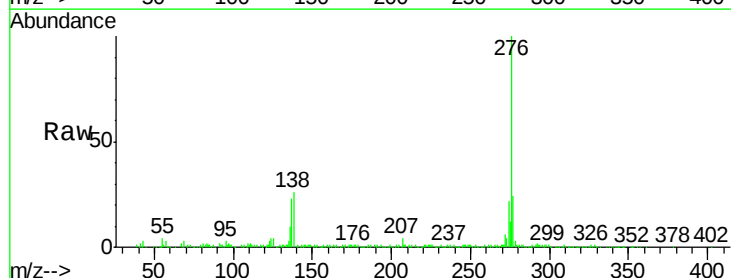
Tgt Ion: 276 Resp: 297977

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 26.1 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

