

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079320.D
 Acq On : 18 May 2015 23:10
 Operator : TP/IZ
 Sample : G2270-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18

Quant Time: May 19 01:54:29 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 01:26:54 2015
 Response via : Initial Calibration

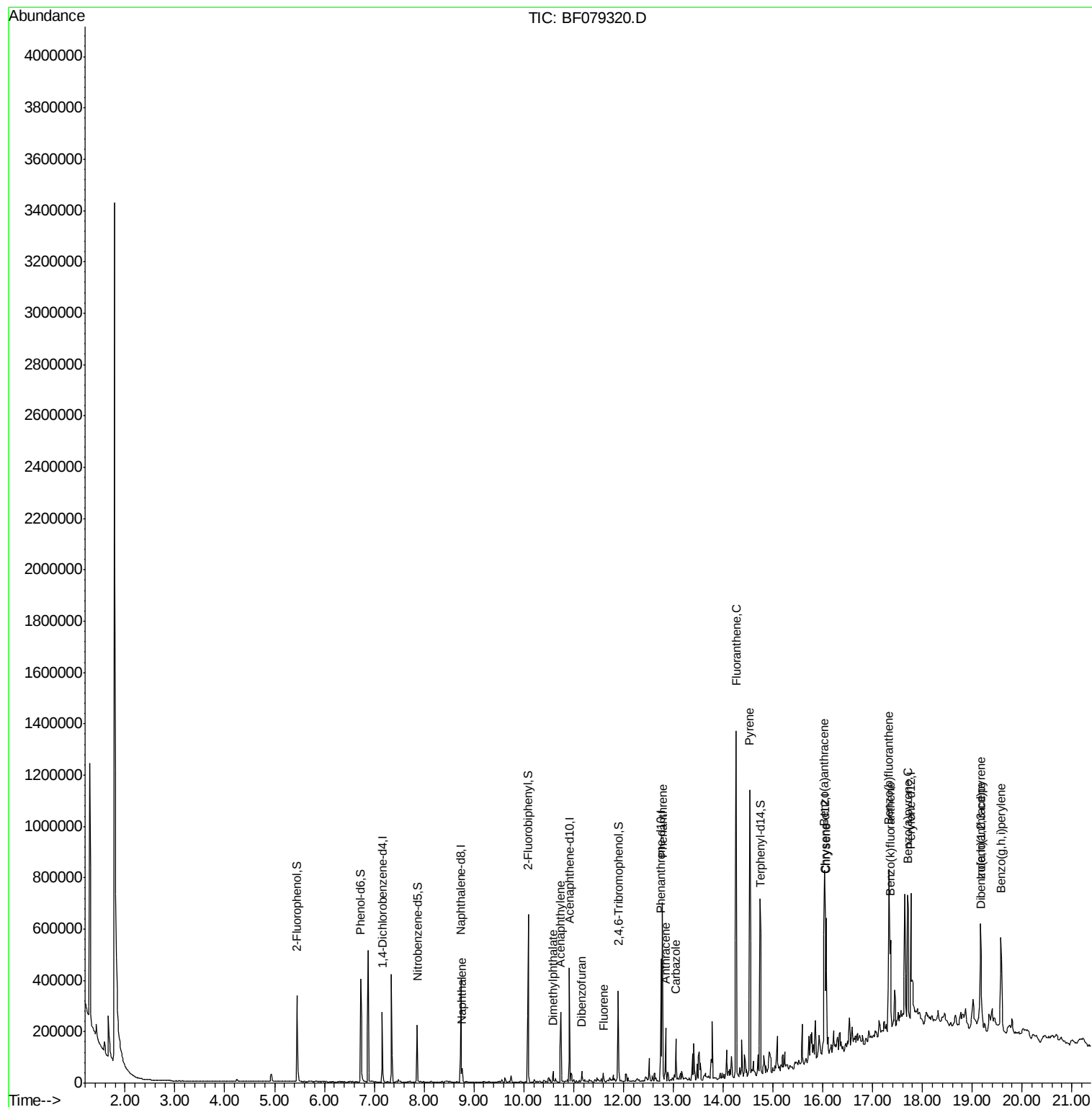
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	41979	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	182487	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	89543	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	179858	20.00	ng	0.00
75) Chrysene-d12	16.05	240	192849	20.00	ng	-0.01
86) Perylene-d12	17.77	264	214106	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	133625m	54.79	ng	0.00
7) Phenol-d6	6.73	99	179503	55.69	ng	-0.01
23) Nitrobenzene-d5	7.86	82	99431	31.31	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	55191	56.97	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	226291	35.21	ng	0.00
78) Terphenyl-d14	14.75	244	284750	35.35	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.76	128	22078	2.54	ng	98
48) Acenaphthylene	10.74	152	142239	15.60	ng	98
49) Dimethylphthalate	10.59	163	16184	2.46	ng	100
54) Dibenzofuran	11.16	168	16780	2.14	ng	100
57) Fluorene	11.60	166	15360	2.38	ng	99
70) Phenanthrene	12.79	178	368493	36.62	ng	100
71) Anthracene	12.85	178	82606	8.37	ng	99
72) Carbazole	13.05	167	81680	8.68	ng	98
74) Fluoranthene	14.26	202	602950	57.51	ng	96
77) Pyrene	14.54	202	529846	47.68	ng	99
80) Benzo(a)anthracene	16.03	228	252309m	23.89	ng	
82) Chrysene	16.07	228	276706	27.24	ng	98
85) Indeno(1,2,3-cd)pyrene	19.17	276	263894	20.39	ng	96
87) Benzo(b)fluoranthene	17.33	252	422955m	36.09	ng	
88) Benzo(k)fluoranthene	17.36	252	126943m	11.19	ng	
89) Benzo(a)pyrene	17.71	252	281513	26.09	ng	# 97
90) Dibenzo(a,h)anthracene	19.18	278	52970	4.62	ng	# 87
91) Benzo(g,h,i)perylene	19.58	276	277499	24.14	ng	# 94

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

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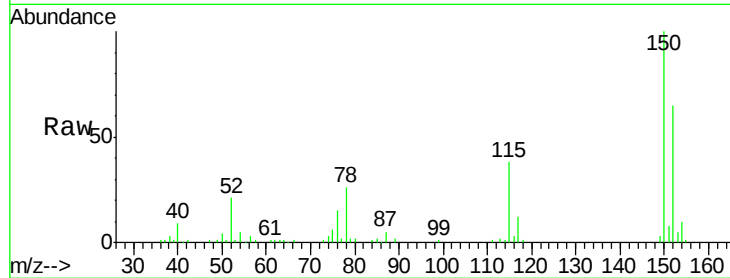




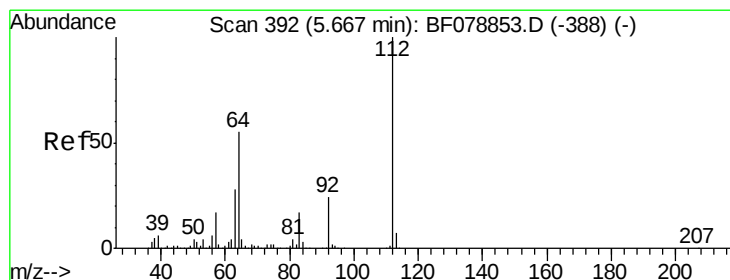
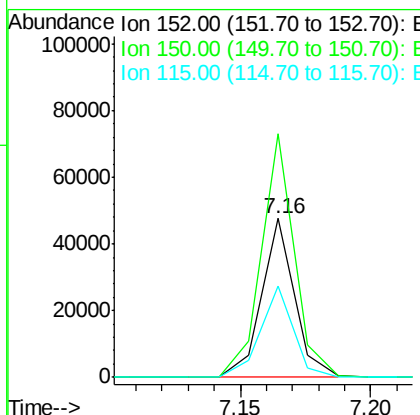
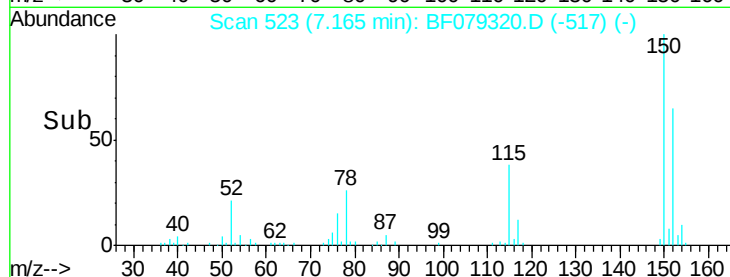
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079320.D
 Acq: 18 May 2015 23:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-18

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.8	185.8
115	57.9	49.4	74.0

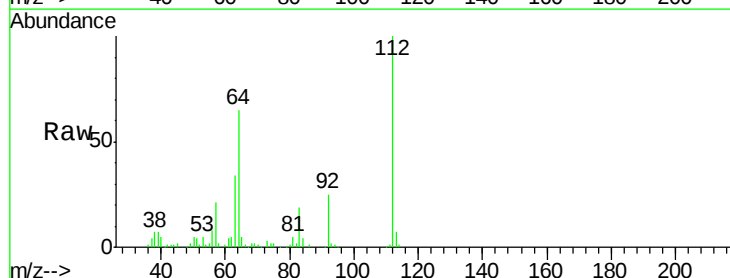


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

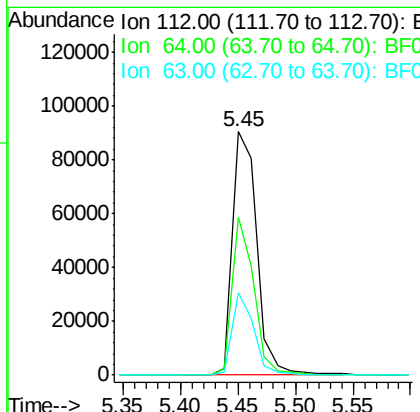
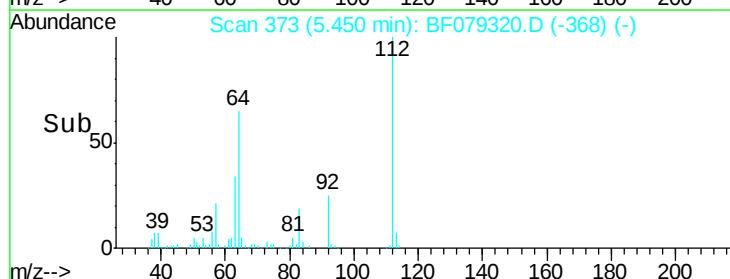


#5
 2-Fluorophenol
 Concen: 54.79 ng m
 RT: 5.45 min Scan# 373
 Delta R.T. -0.00 min
 Lab File: BF079320.D
 Acq: 18 May 2015 23:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	44.2	66.2
63	33.8	22.7	34.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.69 ng

RT: 6.73 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Instrument :

BNA_F

ClientSampleId :

SB-18

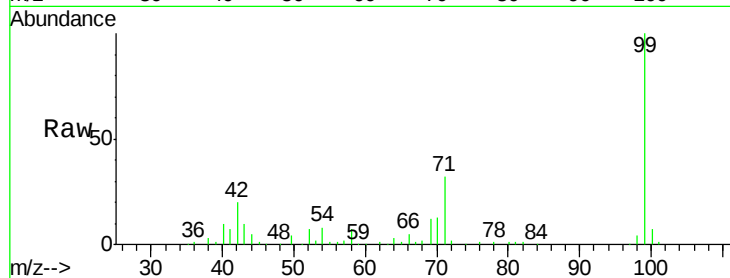
Tot Ion: 99 Resp: 179503

Ion Ratio Lower Upper

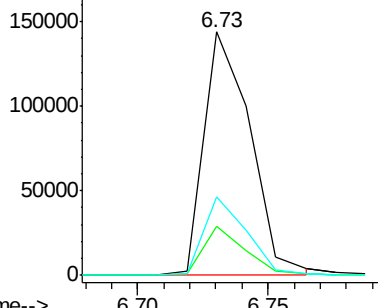
99 100

42 20.2 17.1 25.7

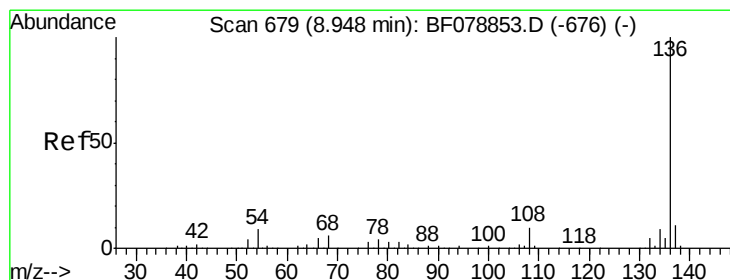
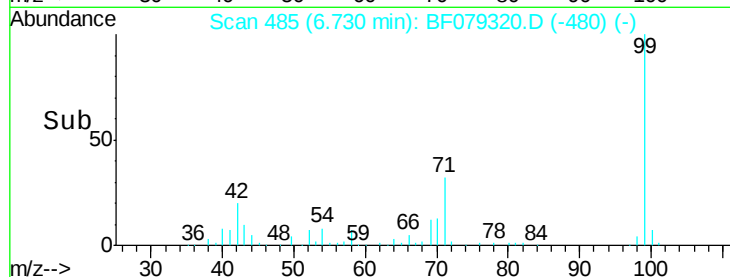
71 32.3 26.3 39.5



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



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Tgt Ion: 136 Resp: 182487

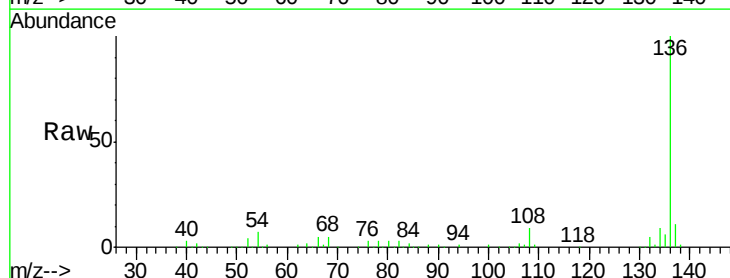
Ion Ratio Lower Upper

136 100

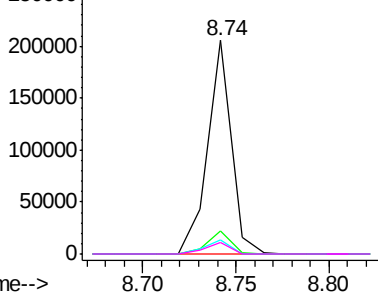
137 10.8 8.8 13.2

54 6.9 6.9 10.3#

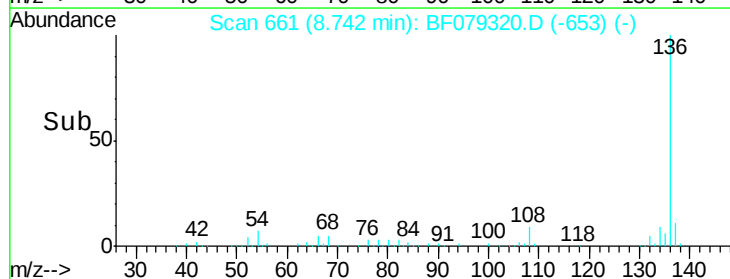
68 5.1 4.9 7.3



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



Time-->





#23

Nitrobenzene-d5

Concen: 31.31 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Instrument :

BNA_F

ClientSampleId :

SB-18

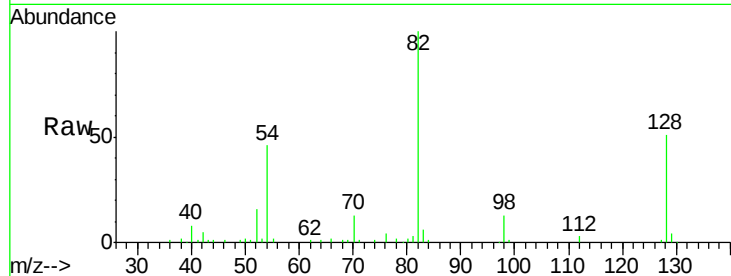
Tot Ion: 82 Resp: 99431

Ion Ratio Lower Upper

82 100

128 50.7 29.7 44.5#

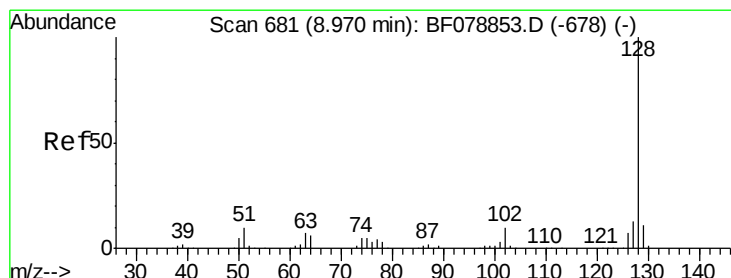
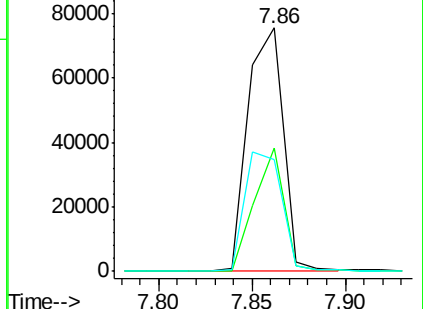
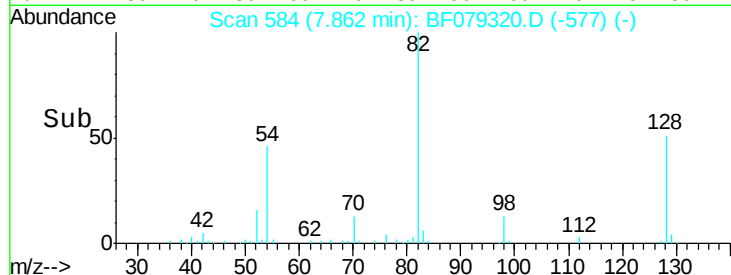
54 46.1 46.2 69.4#



Abundance Ion 82.00 (81.70 to 82.70): BF079320.D (-577) (-)

Ion 128.00 (127.70 to 128.70): BF079320.D (-577) (-)

Ion 54.00 (53.70 to 54.70): BF079320.D (-577) (-)



#31

Naphthalene

Concen: 2.54 ng

RT: 8.76 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

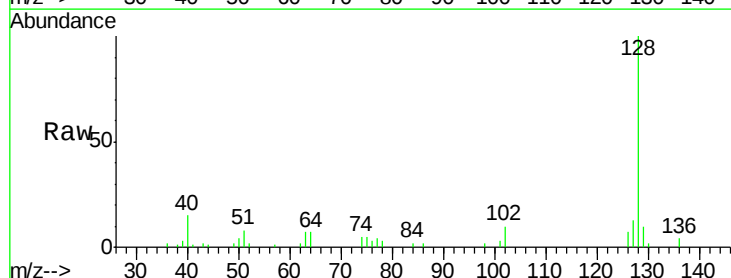
Tgt Ion: 128 Resp: 22078

Ion Ratio Lower Upper

128 100

129 10.3 9.2 13.8

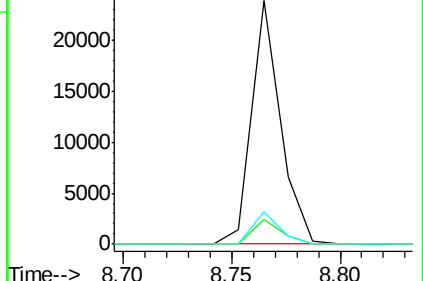
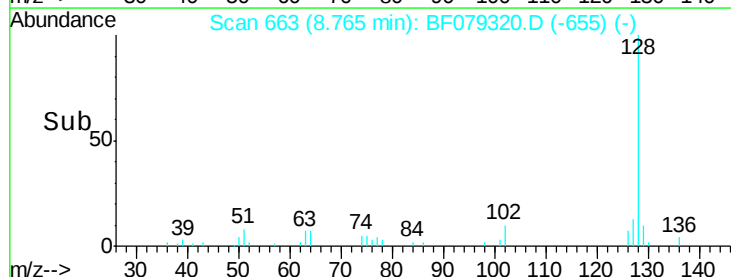
127 13.2 10.3 15.5

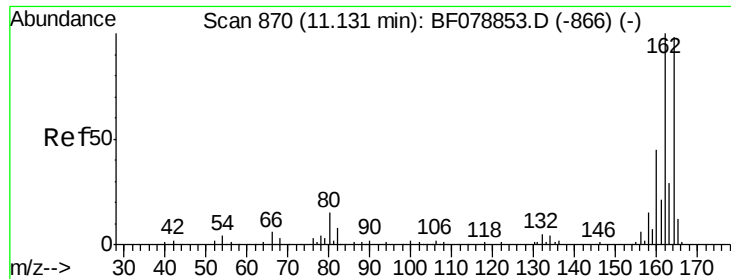


Abundance Ion 128.00 (127.70 to 128.70): BF079320.D (-655) (-)

Ion 129.00 (128.70 to 129.70): BF079320.D (-655) (-)

Ion 127.00 (126.70 to 127.70): BF079320.D (-655) (-)

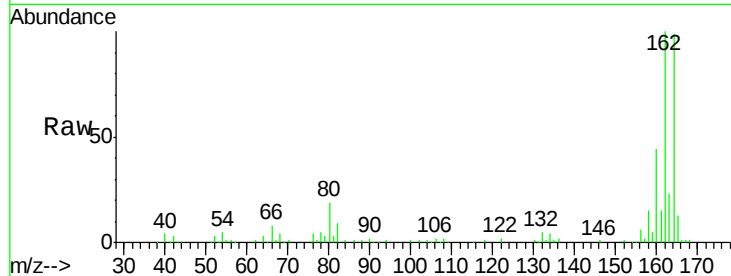




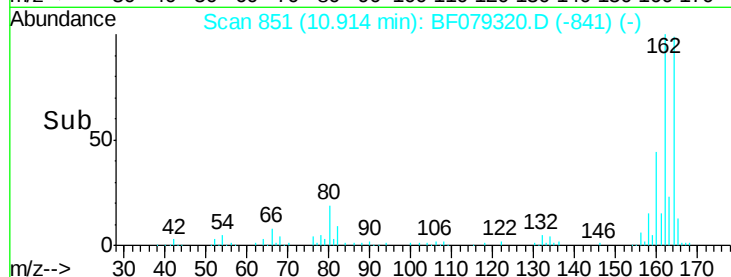
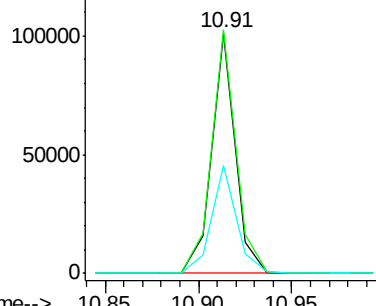
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: BF079320.D
 Acq: 18 May 2015 23:10

Instrument :
 BNA_F
 ClientSampleId :
 SB-18

Tot Ion:164 Resp: 89543
 Ion Ratio Lower Upper
 164 100
 162 101.4 81.4 122.0
 160 44.9 36.6 54.8

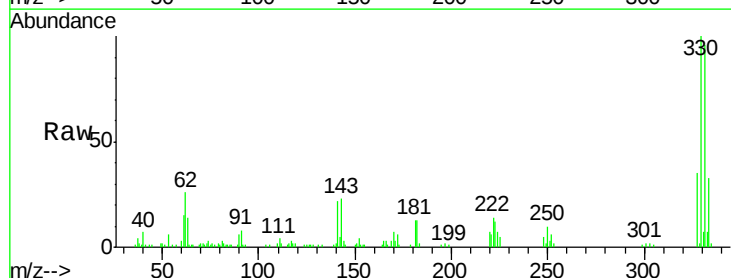


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

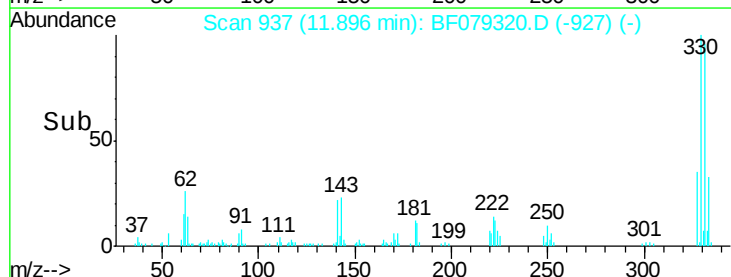
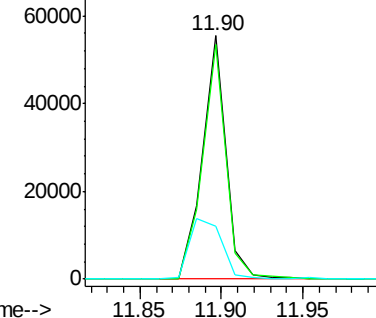


#41
 2,4,6-Tribromophenol
 Concen: 56.97 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF079320.D
 Acq: 18 May 2015 23:10

Tgt Ion:330 Resp: 55191
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.9 115.3
 141 34.5 27.8 41.8



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

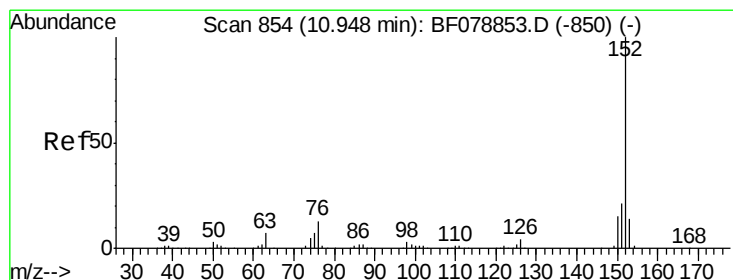
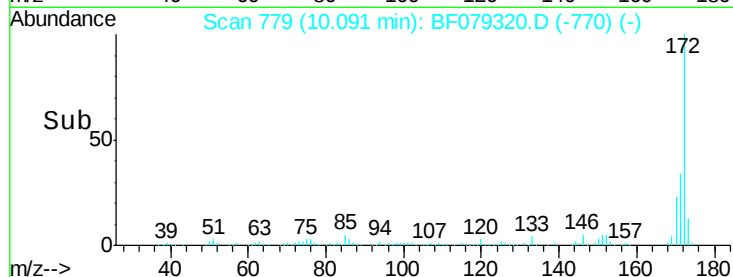
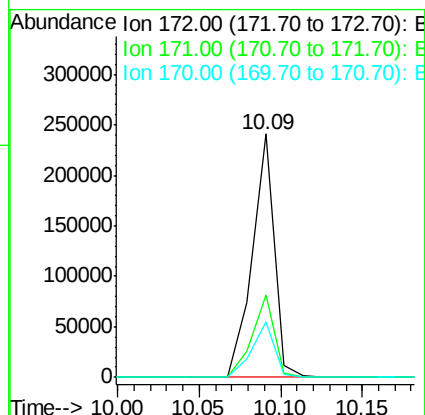
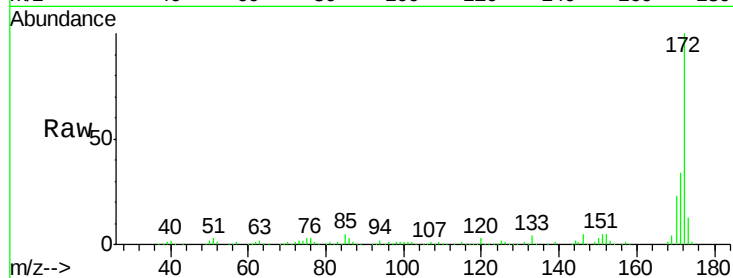




#44
 2-Fluorobiphenyl
 Concen: 35.21 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF079320.D
 Acq: 18 May 2015 23:10

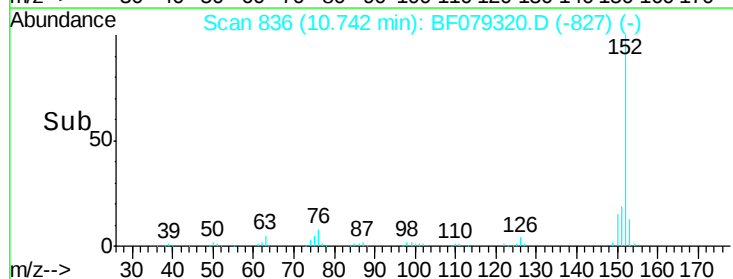
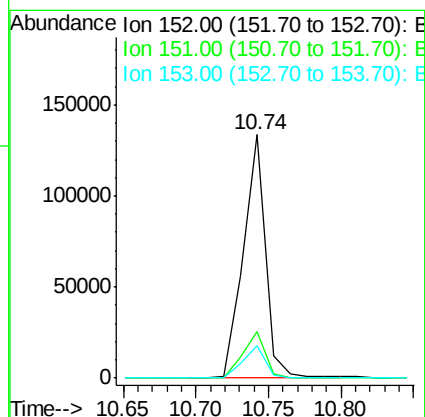
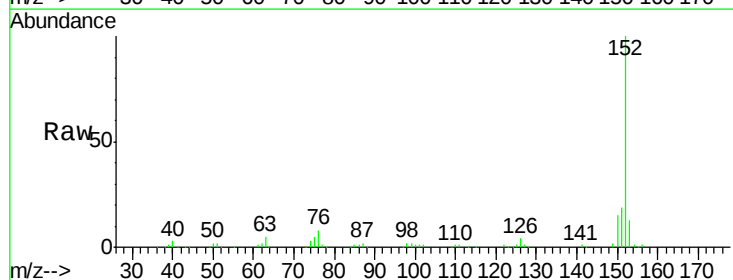
Instrument :
 BNA_F
 ClientSampleId :
 SB-18

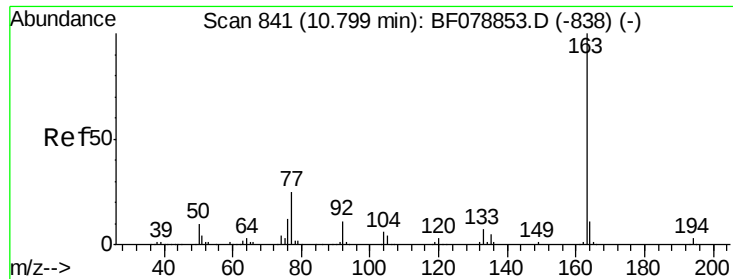
Tot Ion:172 Resp: 226291
 Ion Ratio Lower Upper
 172 100
 171 34.0 28.3 42.5
 170 22.7 19.4 29.2



#48
 Acenaphthylene
 Concen: 15.60 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079320.D
 Acq: 18 May 2015 23:10

Tgt Ion:152 Resp: 142239
 Ion Ratio Lower Upper
 152 100
 151 19.3 16.6 24.8
 153 13.1 11.0 16.6

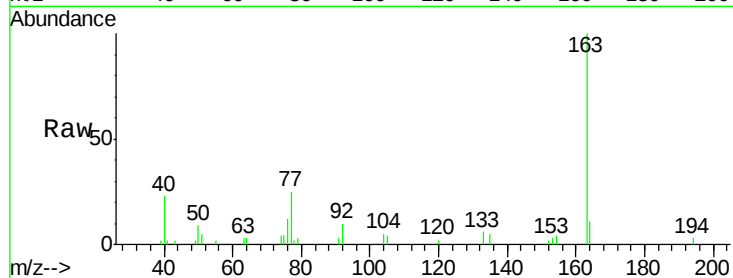




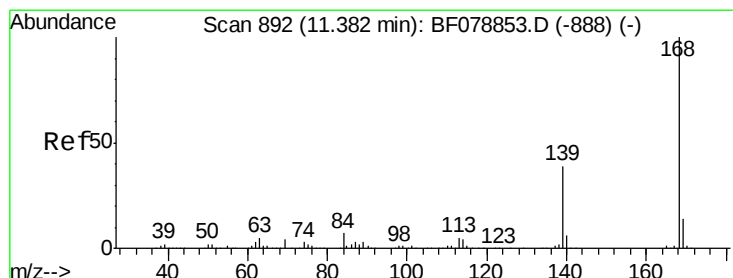
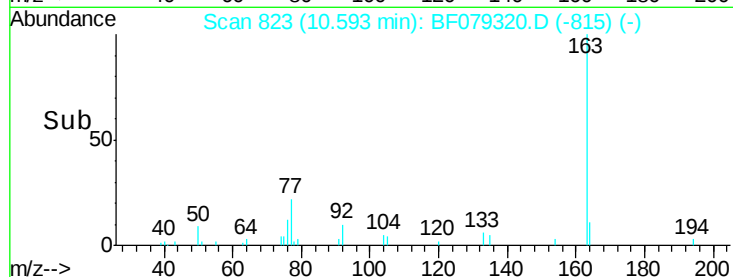
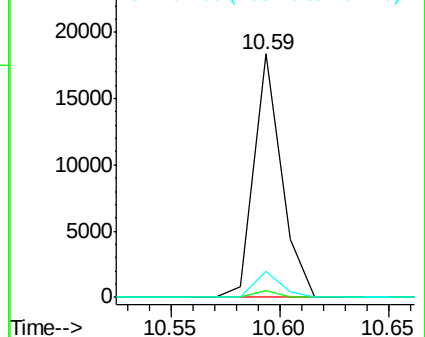
#49
Dimethylphthalate
Concen: 2.46 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF079320.D
Acq: 18 May 2015 23:10

Instrument :
BNA_F
ClientSampled :
SB-18

Tot Ion:163 Resp: 16184
Ion Ratio Lower Upper
163 100
194 3.0 2.4 3.6
164 10.8 8.6 12.8

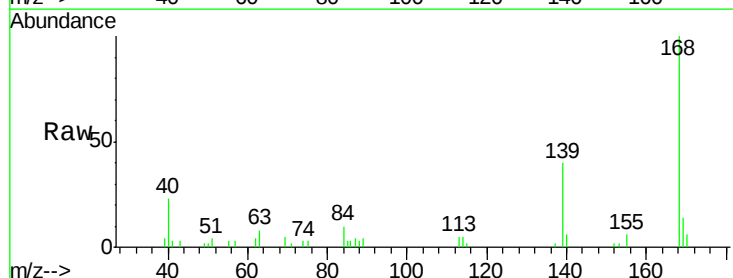


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

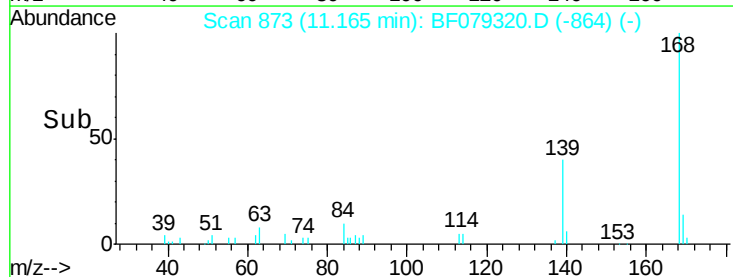
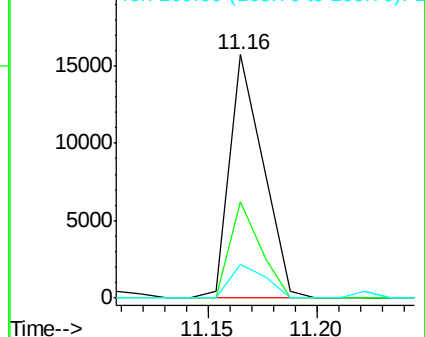


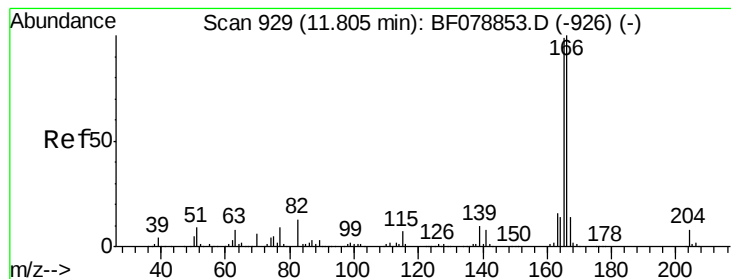
#54
Dibenzofuran
Concen: 2.14 ng
RT: 11.16 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF079320.D
Acq: 18 May 2015 23:10

Tgt Ion:168 Resp: 16780
Ion Ratio Lower Upper
168 100
139 39.7 31.5 47.3
169 13.9 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: 2.38 ng

RT: 11.60 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Instrument :

BNA_F

ClientSampleId :

SB-18

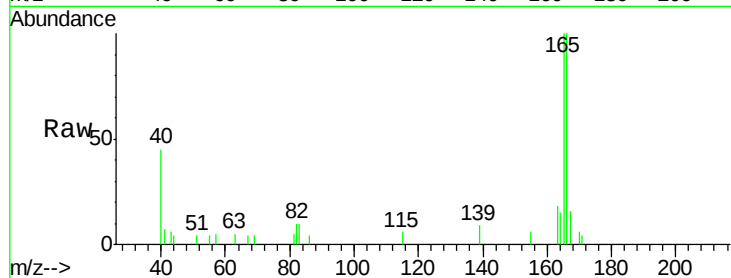
Tot Ion:166 Resp: 15360

Ion Ratio Lower Upper

166 100

165 99.6 79.5 119.3

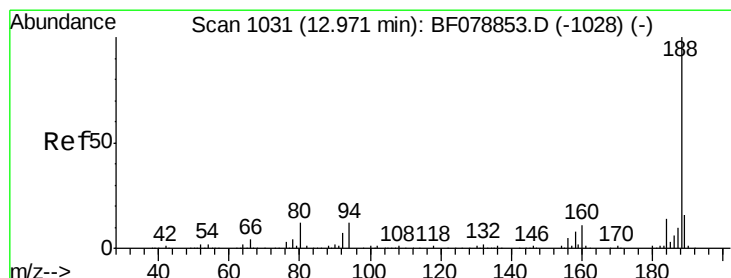
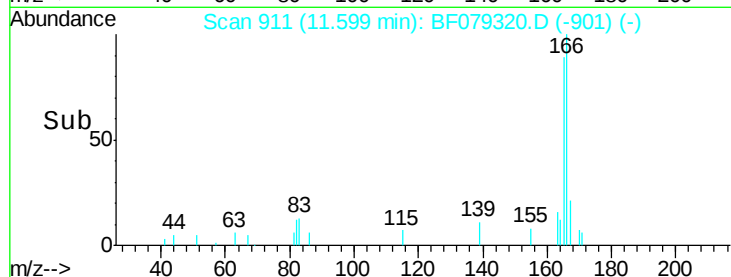
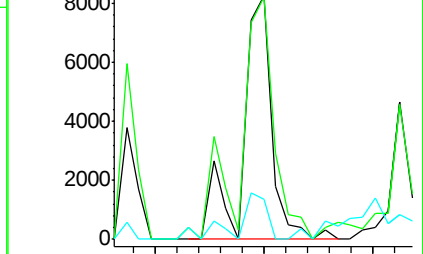
167 16.4 11.0 16.6



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: 12.75 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

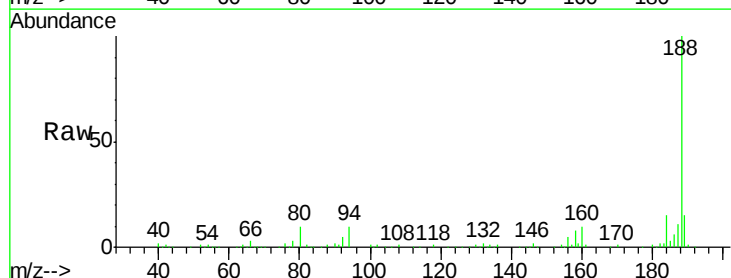
Tgt Ion:188 Resp: 179858

Ion Ratio Lower Upper

188 100

94 10.0 9.4 14.0

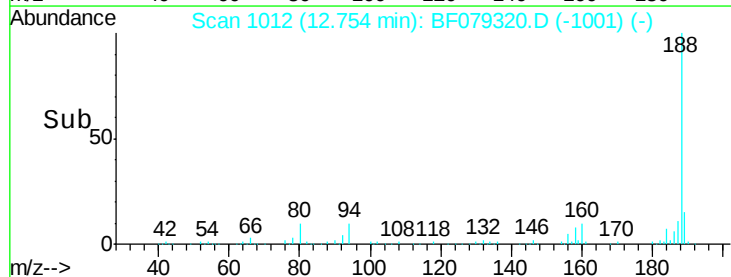
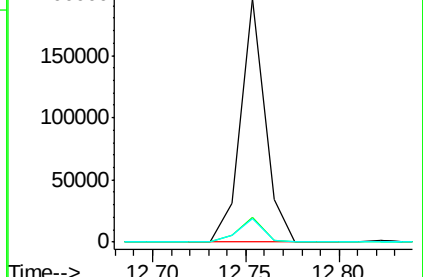
80 9.7 9.8 14.6#

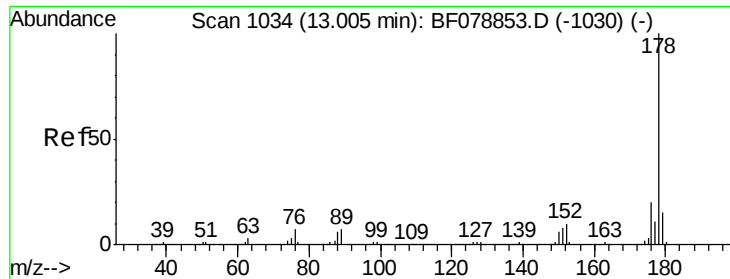


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

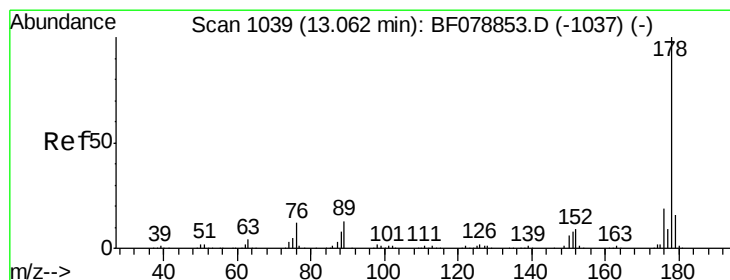
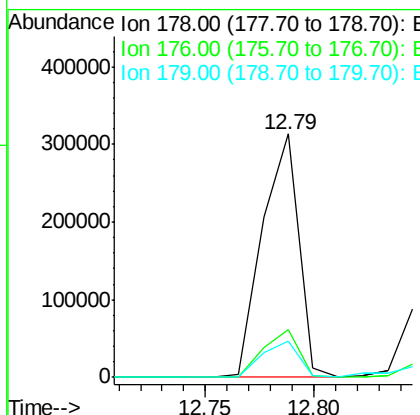
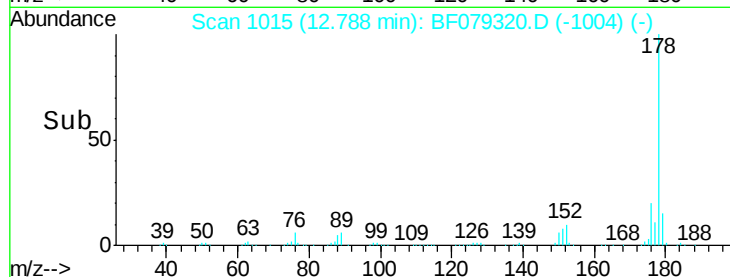
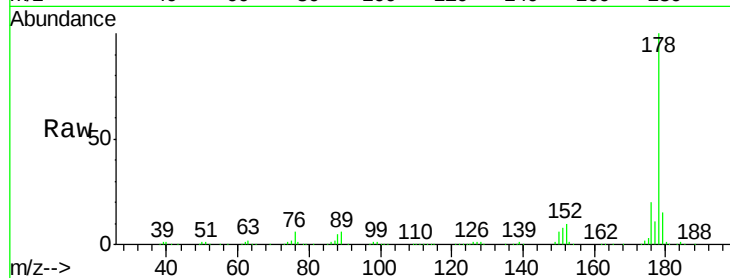




#70
Phenanthrene
Concen: 36.62 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF079320.D
Acq: 18 May 2015 23:10

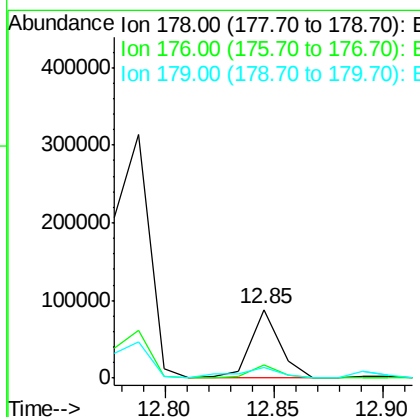
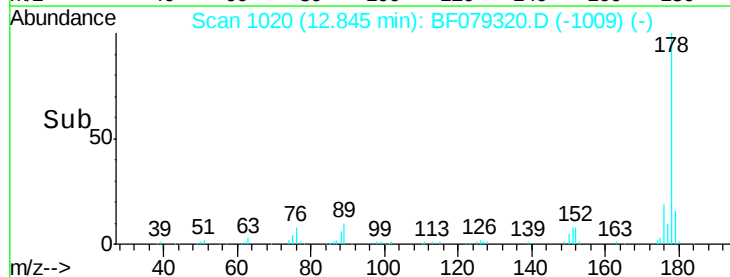
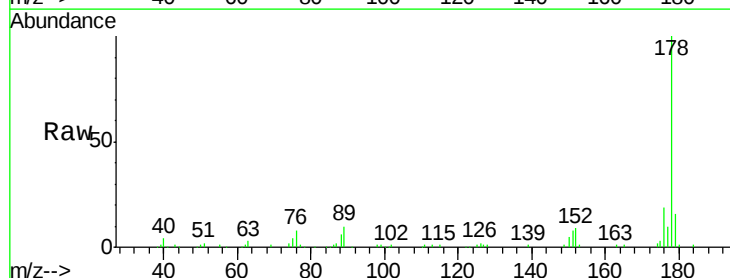
Instrument :
BNA_F
ClientSampleId :
SB-18

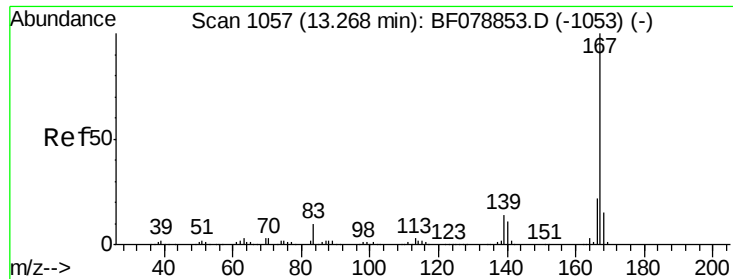
Tot Ion:178 Resp: 368493
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.0 12.2 18.4



#71
Anthracene
Concen: 8.37 ng
RT: 12.85 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF079320.D
Acq: 18 May 2015 23:10

Tgt Ion:178 Resp: 82606
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.5 12.6 19.0





#72

Carbazole

Concen: 8.68 ng

RT: 13.05 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Instrument :

BNA_F

ClientSampleId :

SB-18

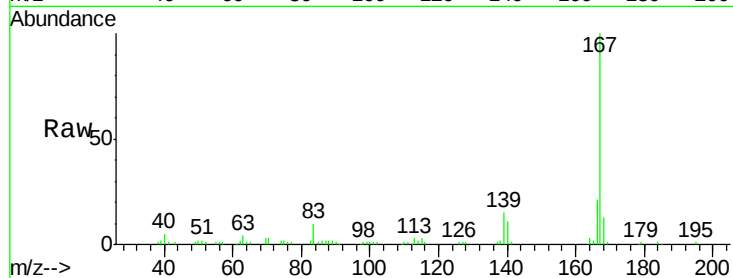
Tot Ion:167 Resp: 81680

Ion Ratio Lower Upper

167 100

166 20.9 17.5 26.3

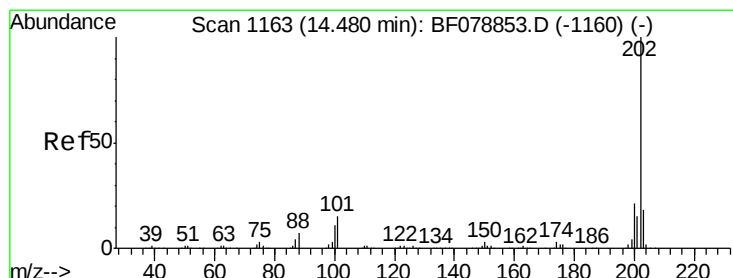
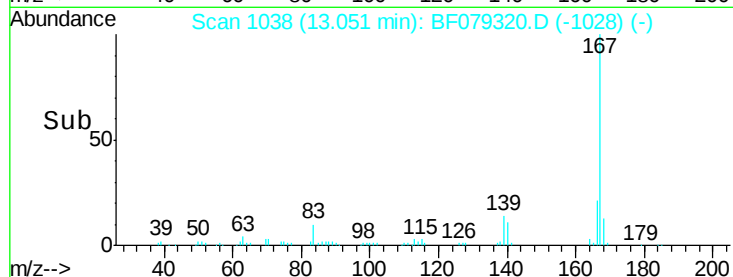
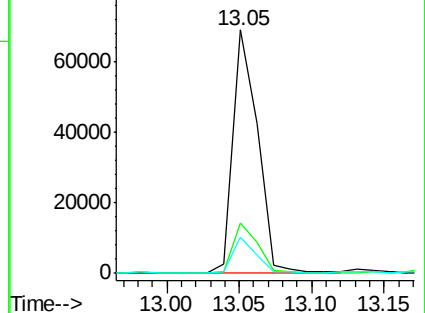
139 14.8 11.0 16.4



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: 57.51 ng

RT: 14.26 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

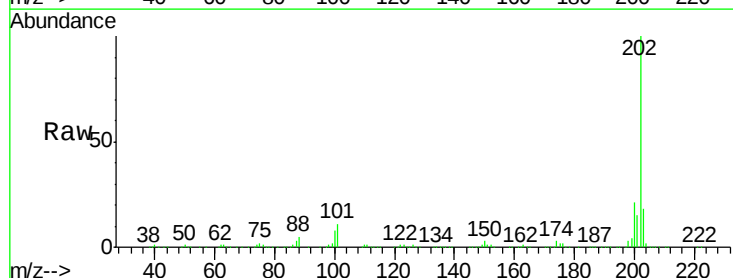
Tgt Ion:202 Resp: 602950

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.7

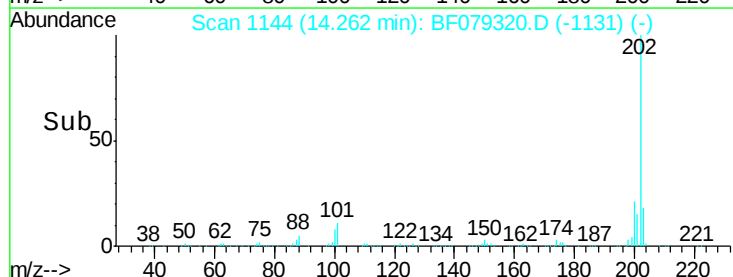
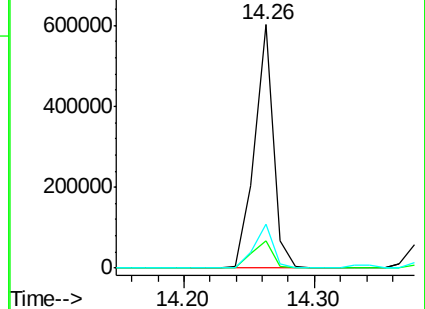
203 18.1 0.0 37.9

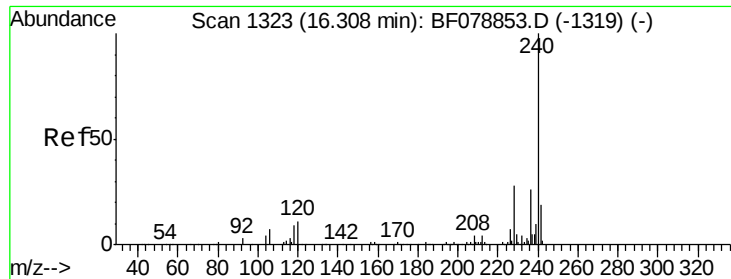


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.05 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Instrument :

BNA_F

ClientSampleId :

SB-18

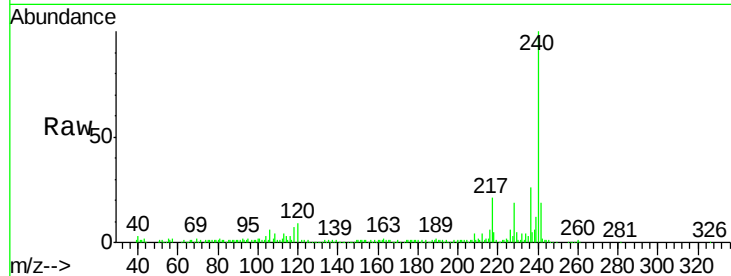
Tot Ion:240 Resp: 192849

Ion Ratio Lower Upper

240 100

120 9.1 8.6 12.8

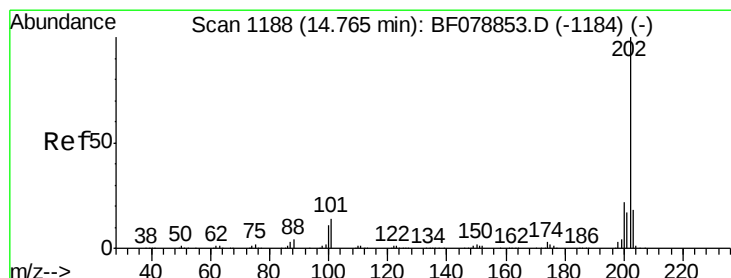
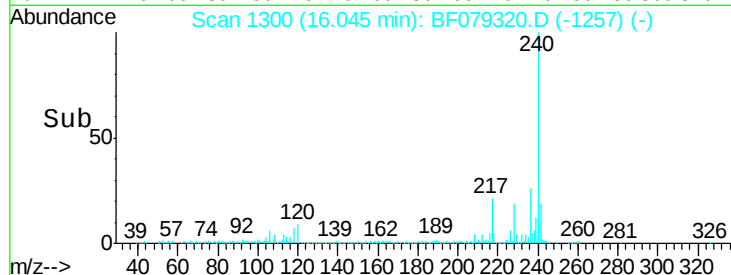
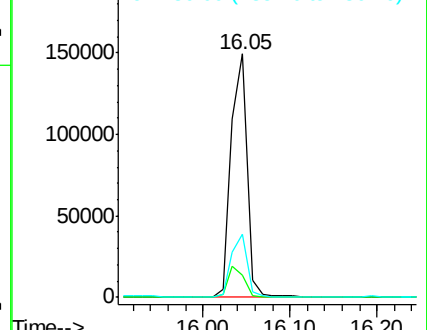
236 25.9 21.0 31.6



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: 47.68 ng

RT: 14.54 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

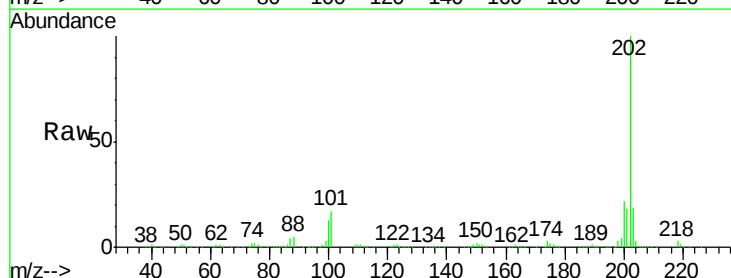
Tgt Ion:202 Resp: 529846

Ion Ratio Lower Upper

202 100

200 21.9 17.5 26.3

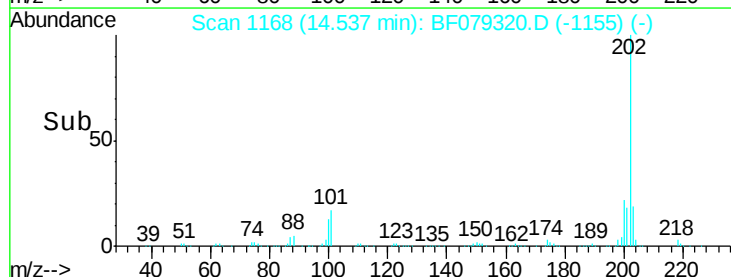
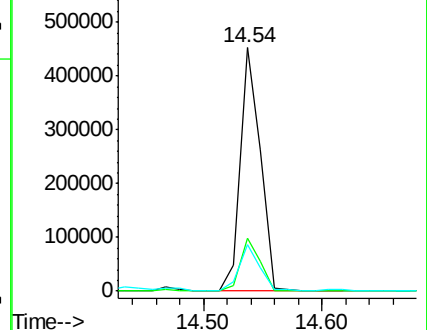
203 18.9 14.7 22.1

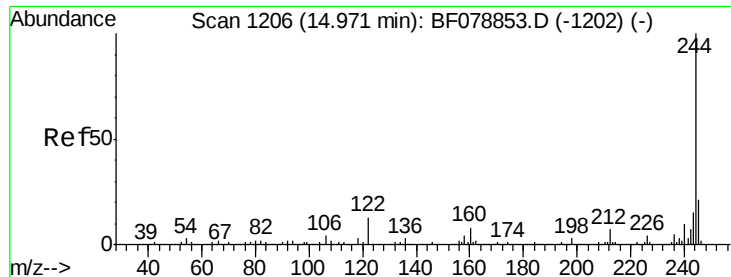


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.35 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Instrument :

BNA_F

ClientSampled :

SB-18

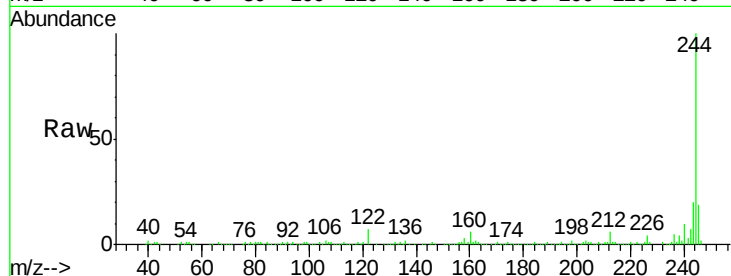
Tot Ion:244 Resp: 284750

Ion Ratio Lower Upper

244 100

212 6.2 5.6 8.4

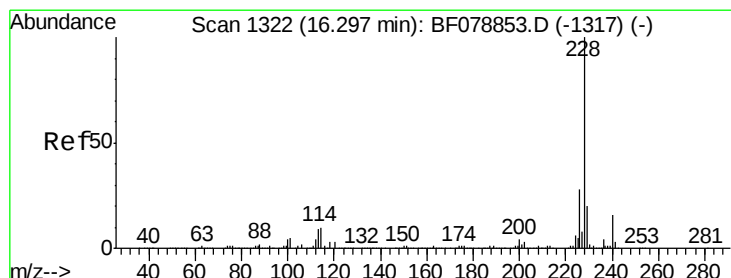
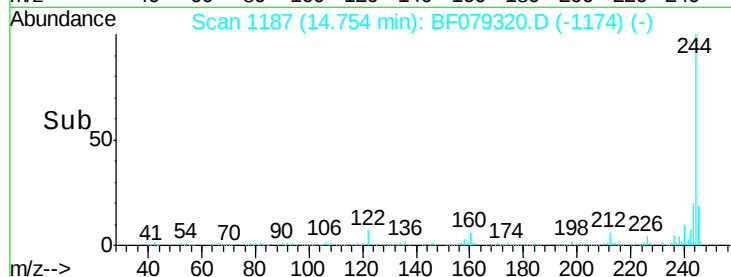
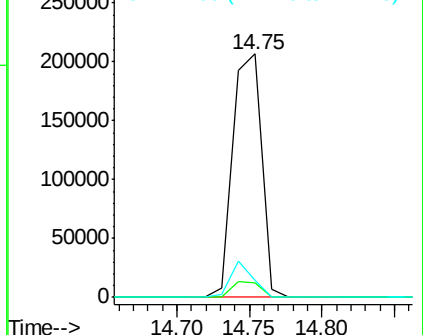
122 7.2 10.5 15.7#



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: 23.89 ng m

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

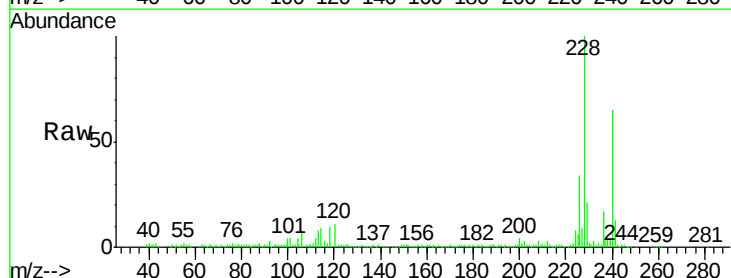
Tgt Ion:228 Resp: 252309

Ion Ratio Lower Upper

228 100

226 33.7 22.3 33.5#

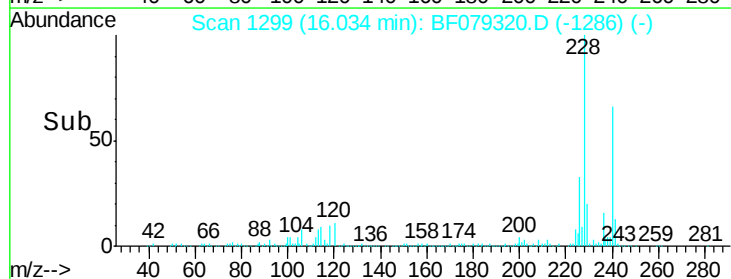
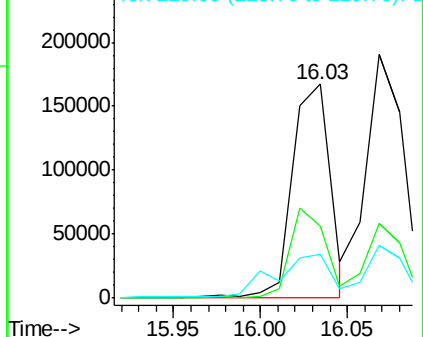
229 20.5 16.1 24.1

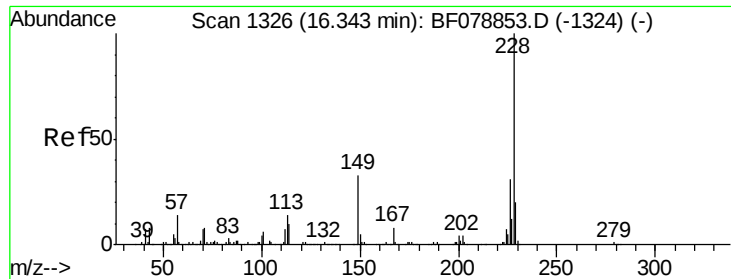


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

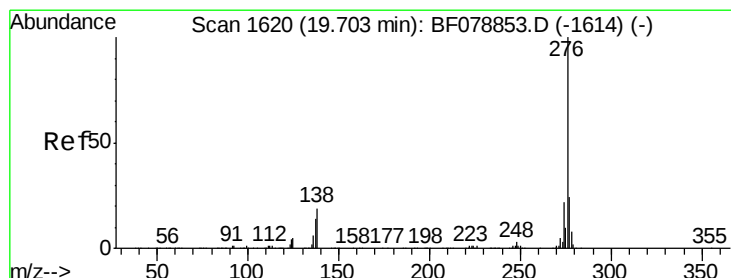
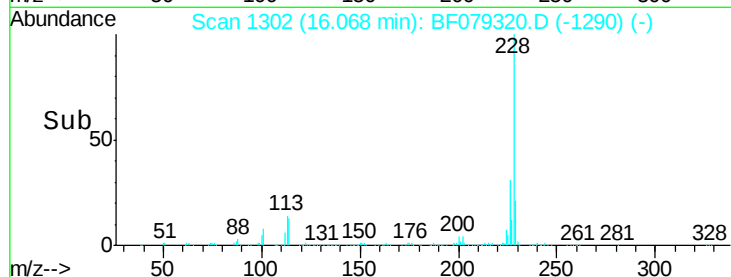
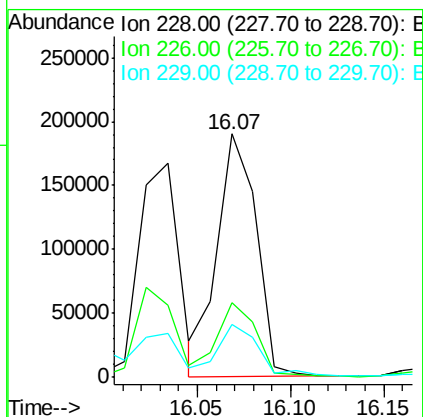
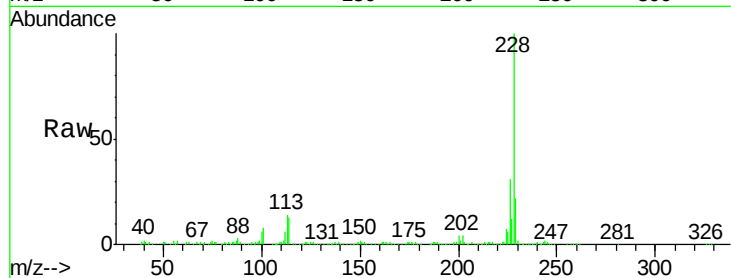




#82
Chrysene
Concen: 27.24 ng
RT: 16.07 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF079320.D
Acq: 18 May 2015 23:10

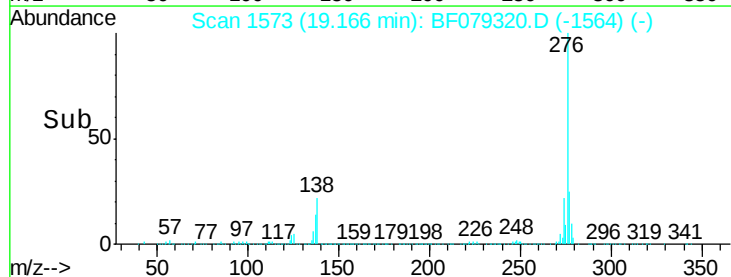
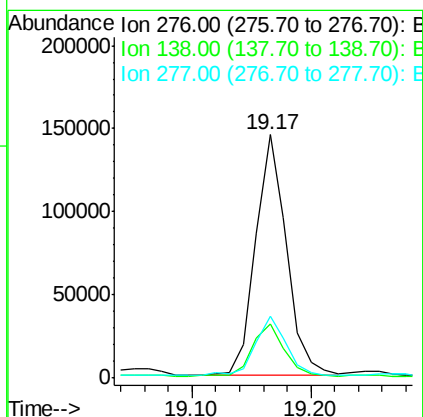
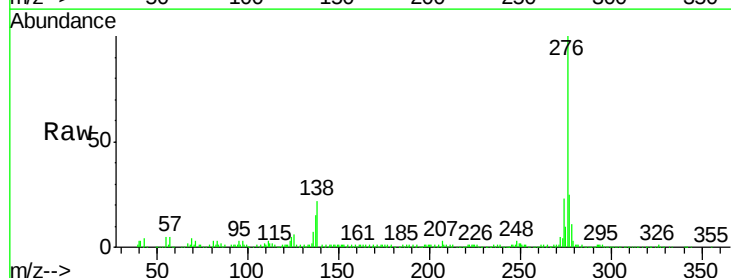
Instrument :
BNA_F
ClientSampleId :
SB-18

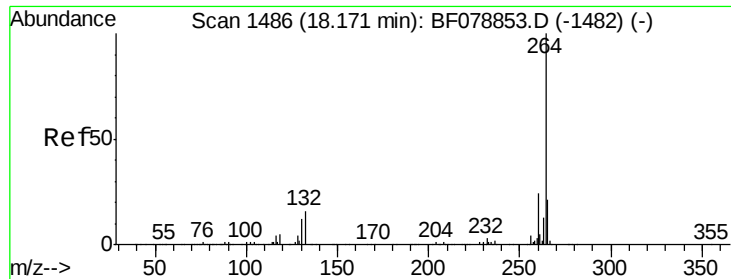
Tot Ion:228 Resp: 276706
Ion Ratio Lower Upper
228 100
226 30.7 24.8 37.2
229 21.7 16.1 24.1



#85
Indeno(1,2,3-cd)pyrene
Concen: 20.39 ng
RT: 19.17 min Scan# 1573
Delta R.T. -0.10 min
Lab File: BF079320.D
Acq: 18 May 2015 23:10

Tgt Ion:276 Resp: 263894
Ion Ratio Lower Upper
276 100
138 22.8 21.1 31.7
277 24.7 19.9 29.9

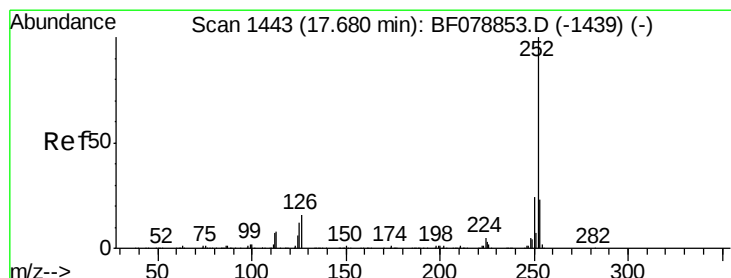
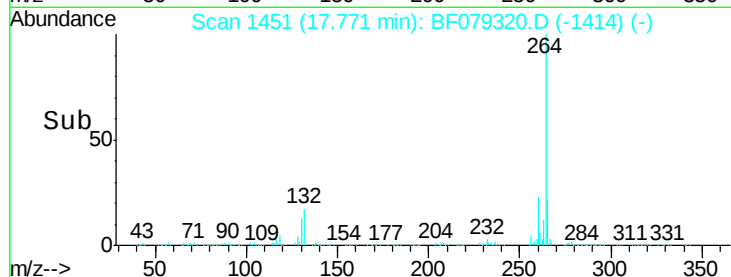
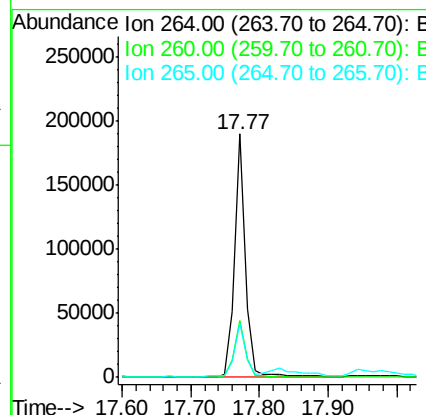
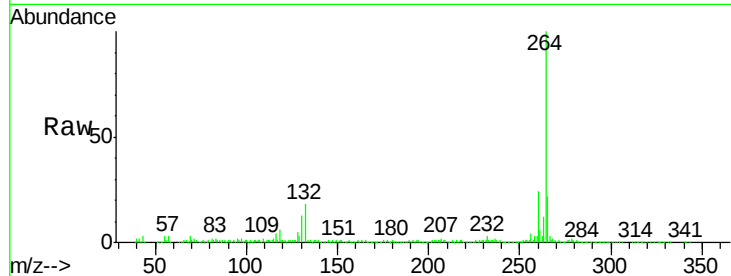




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.77 min Scan# 1451
Delta R.T. -0.08 min
Lab File: BF079320.D
Acq: 18 May 2015 23:10

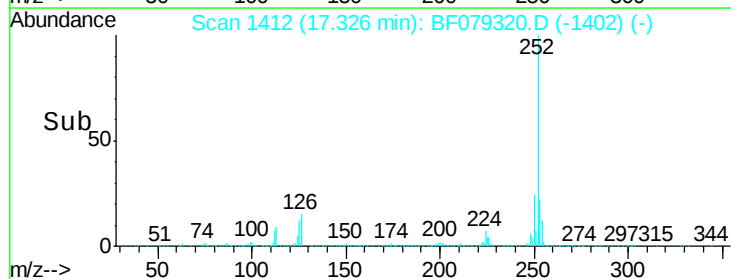
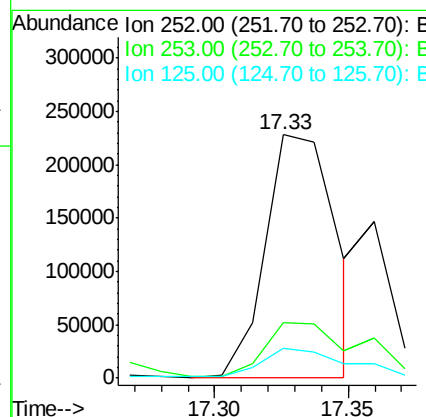
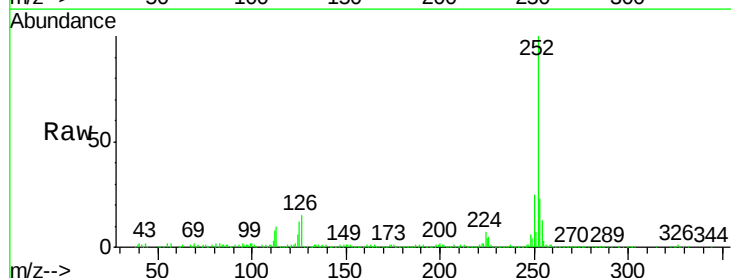
Instrument :
BNA_F
ClientSampled :
SB-18

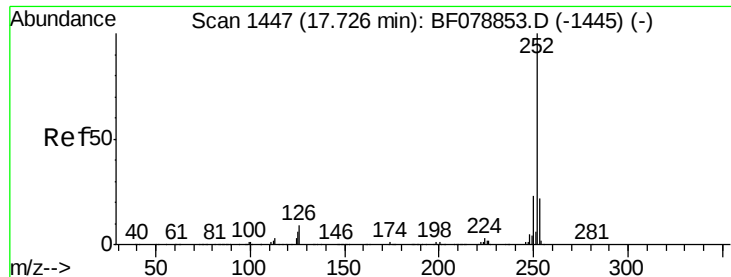
Tot Ion:264 Resp: 214106
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.4 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 36.09 ng m
RT: 17.33 min Scan# 1412
Delta R.T. -0.07 min
Lab File: BF079320.D
Acq: 18 May 2015 23:10

Tgt Ion:252 Resp: 422955
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 12.1 9.4 14.2





#88

Benzo(k)fluoranthene

Concen: 11.19 ng

RT: 17.36 min Scan# 1415

Delta R.T. -0.07 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Instrument :

BNA_F

ClientSampleId :

SB-18

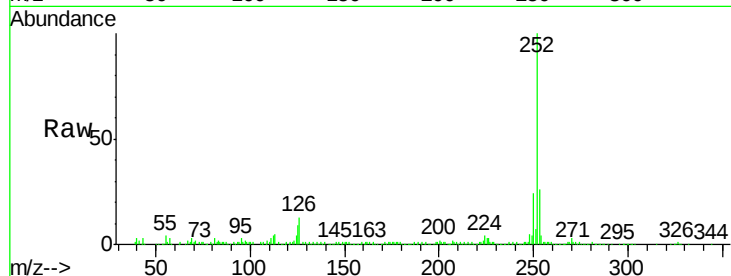
Tot Ion:252 Resp: 126943

Ion Ratio Lower Upper

252 100

253 25.6 17.4 26.0

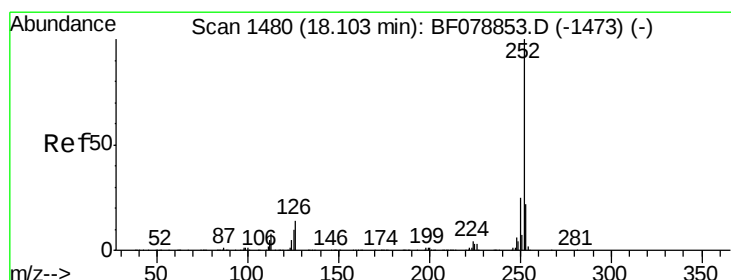
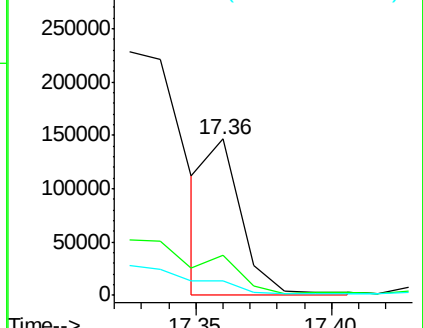
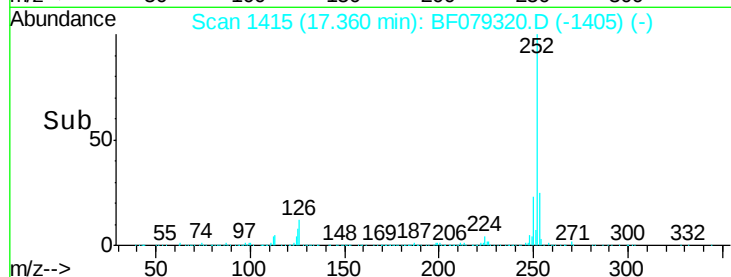
125 9.3 6.1 9.1#



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: 26.09 ng

RT: 17.71 min Scan# 1446

Delta R.T. -0.08 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

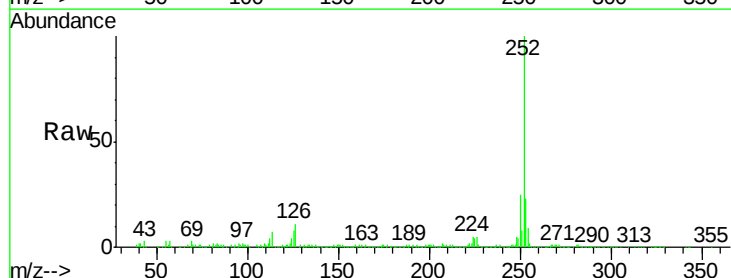
Tgt Ion:252 Resp: 281513

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

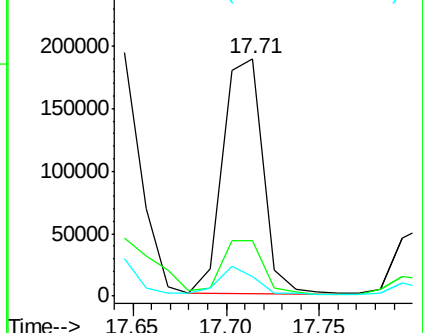
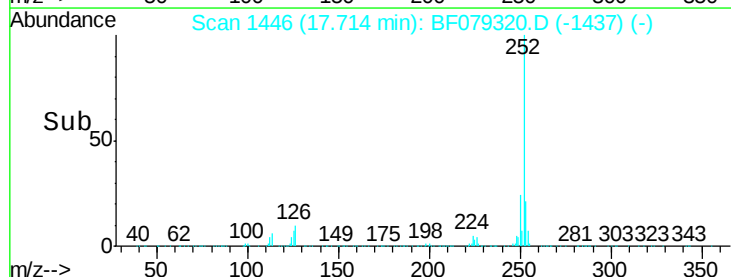
125 8.1 8.2 12.2#

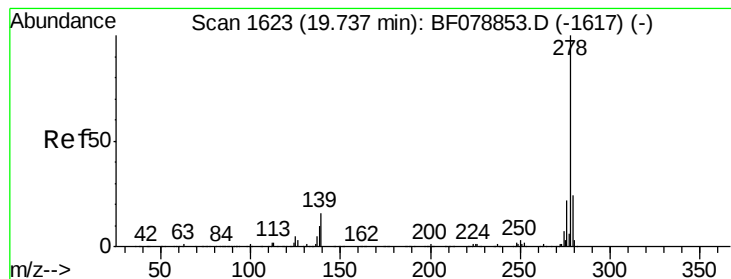


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.62 ng

RT: 19.18 min Scan# 1574

Delta R.T. -0.13 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

Instrument :

BNA_F

ClientSampleId :

SB-18

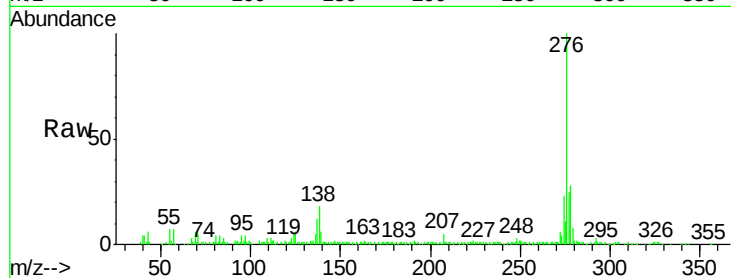
Tot Ion:278 Resp: 52970

Ion Ratio Lower Upper

278 100

139 21.9 13.1 19.7#

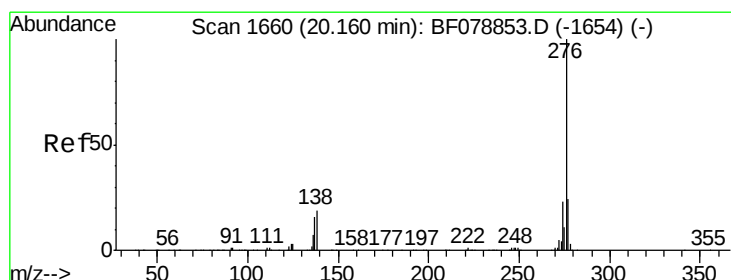
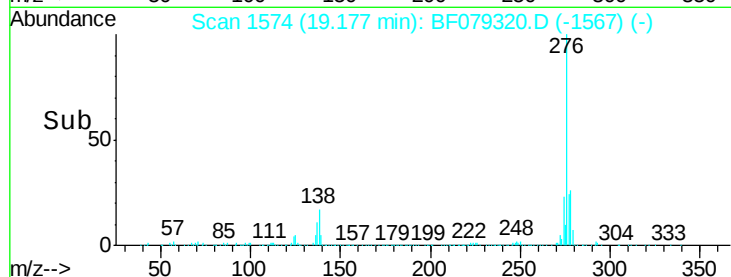
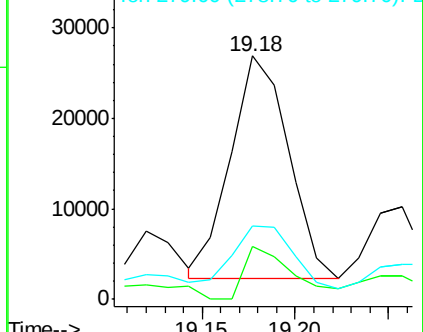
279 30.3 19.1 28.7#



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: 24.14 ng

RT: 19.58 min Scan# 1609

Delta R.T. -0.11 min

Lab File: BF079320.D

Acq: 18 May 2015 23:10

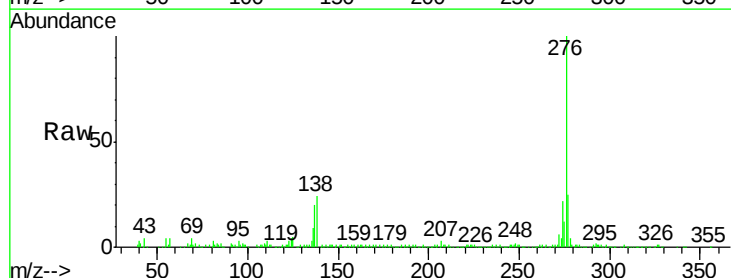
Tgt Ion:276 Resp: 277499

Ion Ratio Lower Upper

276 100

277 24.6 18.8 28.2

138 23.6 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

