

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079330.D
 Acq On : 19 May 2015 3:57
 Operator : TP/IZ
 Sample : G2282-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-01-D1

Quant Time: May 19 05:15:49 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 04:38:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	52717	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	213552	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	102646	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	194162	20.00	ng	0.00
75) Chrysene-d12	16.05	240	201626	20.00	ng	-0.01
86) Perylene-d12	17.74	264	208383	20.00	ng	-0.11

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	335033m	109.40	ng	0.01
7) Phenol-d6	6.74	99	429545	106.11	ng	0.00
23) Nitrobenzene-d5	7.86	82	254823	68.58	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	127896	115.18	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	506672	68.77	ng	0.00
78) Terphenyl-d14	14.75	244	545807	64.81	ng	0.00

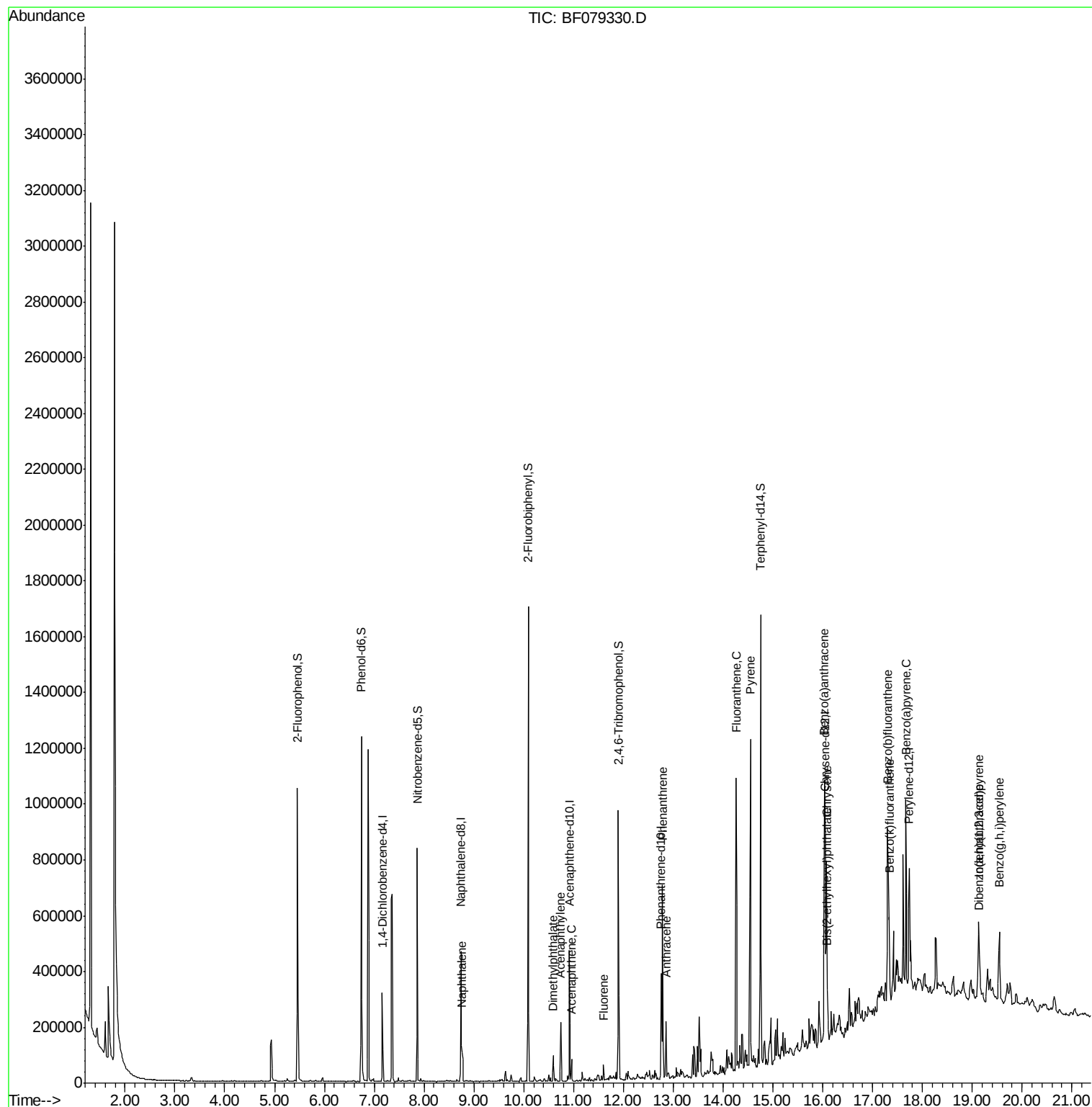
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.76	128	61216	6.02	ng	99
48) Acenaphthylene	10.74	152	94804	9.07	ng	97
49) Dimethylphthalate	10.59	163	42750	5.67	ng	98
51) Acenaphthene	10.96	154	19761	3.17	ng	99
57) Fluorene	11.60	166	23648	3.20	ng	99
70) Phenanthrene	12.79	178	268438	24.71	ng	98
71) Anthracene	12.86	178	106382	9.98	ng	100
74) Fluoranthene	14.26	202	524809	46.37	ng	99
77) Pyrene	14.55	202	527644	45.41	ng	99
80) Benzo(a)anthracene	16.03	228	355075m	32.16	ng	
82) Chrysene	16.08	228	251072	23.64	ng	98
83) Bis(2-ethylhexyl)phthalate	16.09	149	49746	6.47	ng	100
85) Indeno(1,2,3-cd)pyrene	19.13	276	201601	14.90	ng	96
87) Benzo(b)fluoranthene	17.30	252	432557m	37.92	ng	
88) Benzo(k)fluoranthene	17.34	252	107865m	9.77	ng	
89) Benzo(a)pyrene	17.67	252	310204	29.54	ng	# 97
90) Dibenzo(a,h)anthracene	19.14	278	43669m	3.91	ng	
91) Benzo(g,h,i)perylene	19.54	276	200413	17.91	ng	97

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

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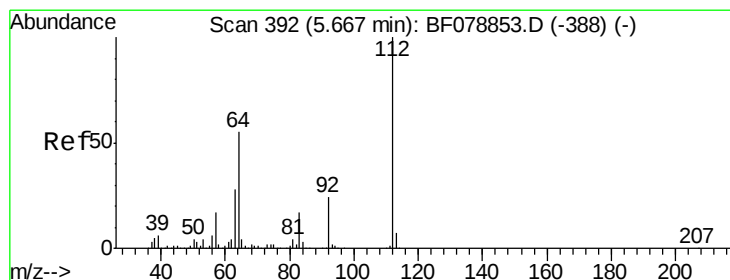
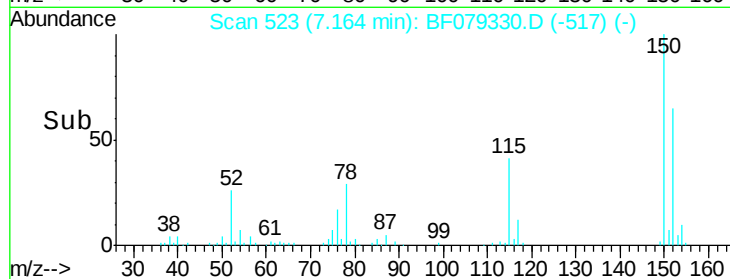
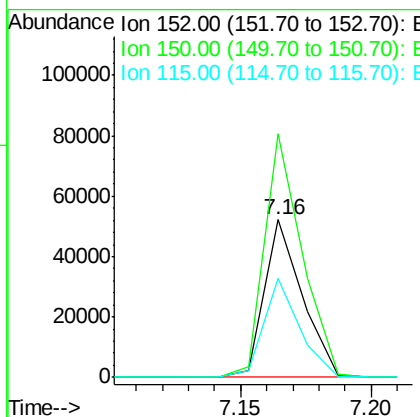
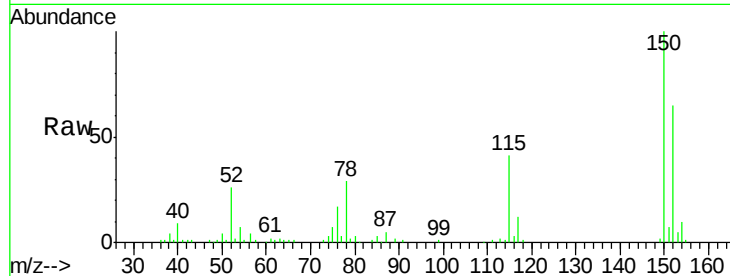




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

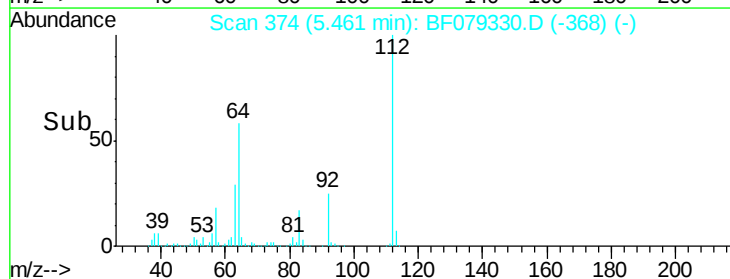
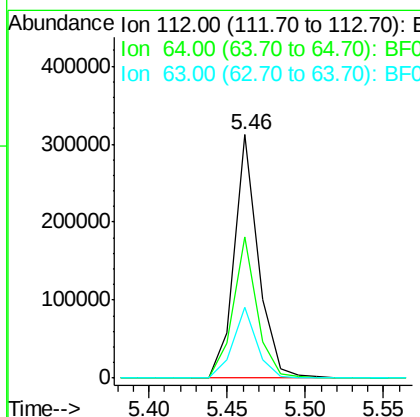
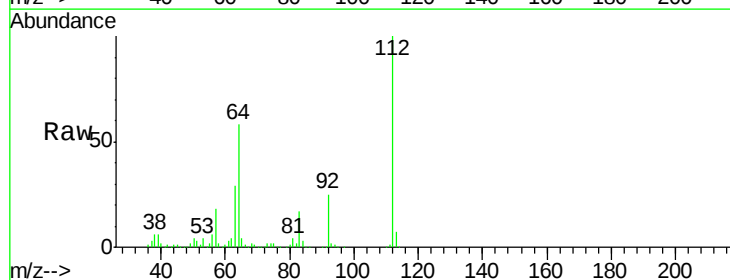
Instrument :
 BNA_F
 ClientSampleID :
 WC-01-D1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	62.7	49.4	74.0



#5
 2-Fluorophenol
 Concen: 109.40 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.2	66.2
63	29.3	22.7	34.1





#7

Phenol-d6

Concen: 106.11 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

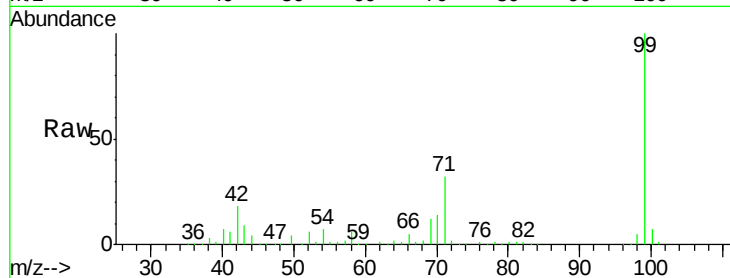
Tot Ion: 99 Resp: 429545

Ion Ratio Lower Upper

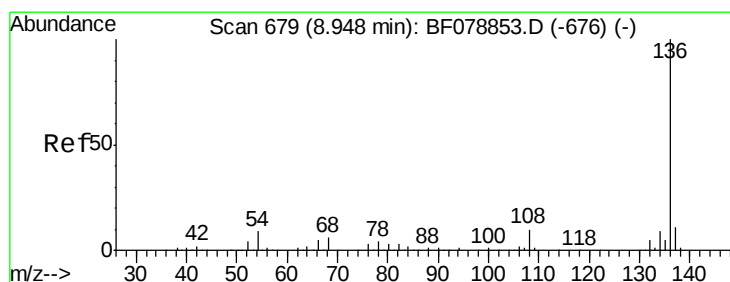
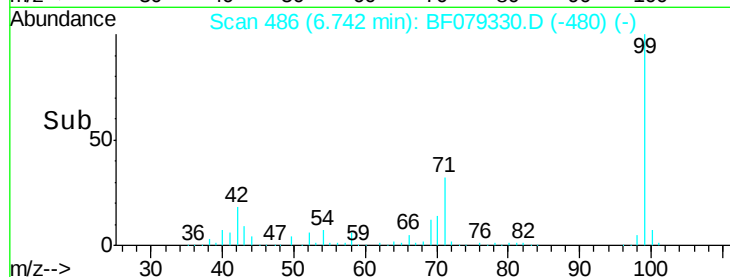
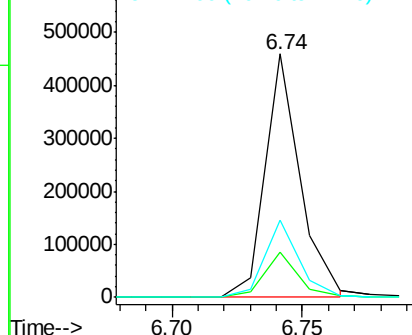
99 100

42 18.4 17.1 25.7

71 31.5 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: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Tgt Ion: 136 Resp: 213552

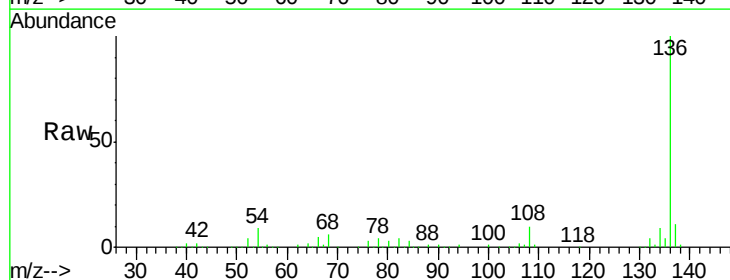
Ion Ratio Lower Upper

136 100

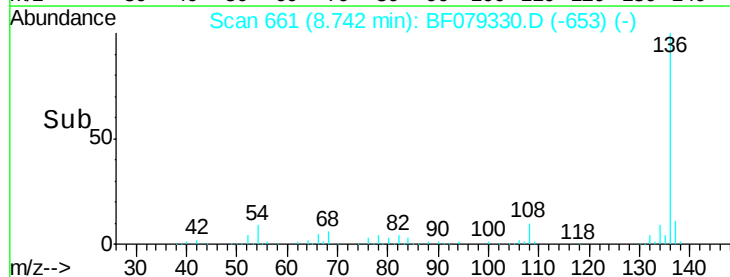
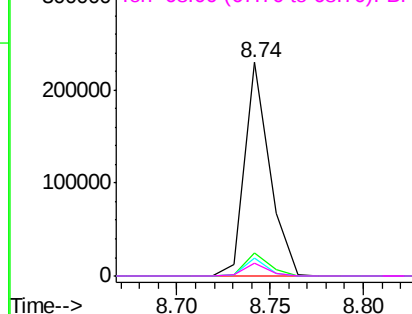
137 11.1 8.8 13.2

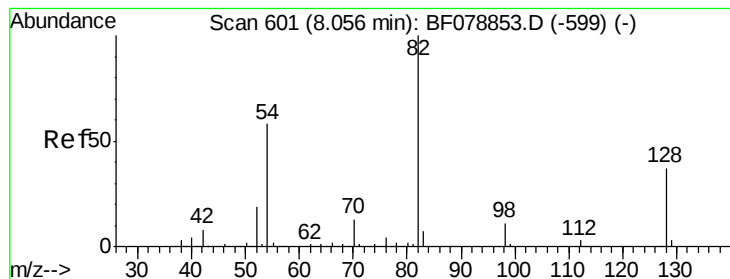
54 8.5 6.9 10.3

68 6.2 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: 68.58 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

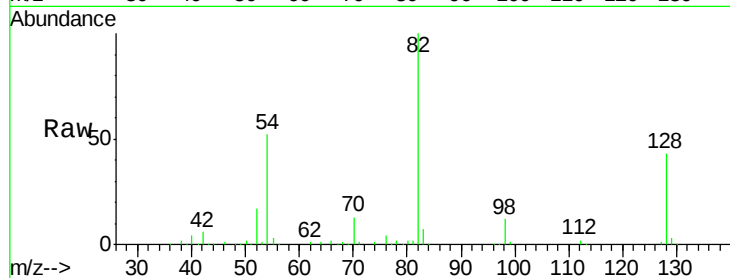
Tot Ion: 82 Resp: 254823

Ion Ratio Lower Upper

82 100

128 43.4 29.7 44.5

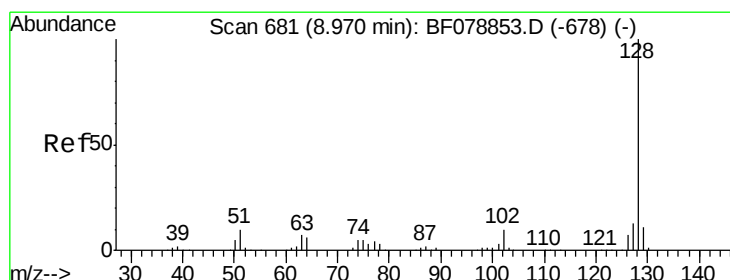
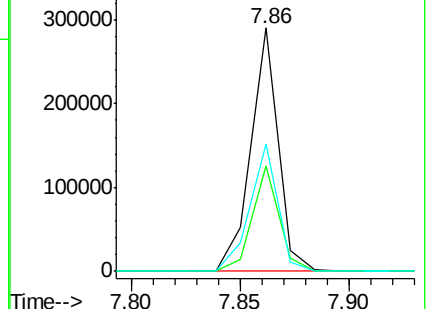
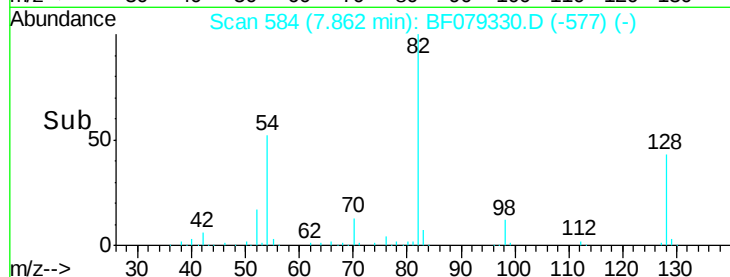
54 52.1 46.2 69.4



Abundance Ion 82.00 (81.70 to 82.70): BF079330.D (-577) (-)

Ion 128.00 (127.70 to 128.70): BF079330.D (-577) (-)

Ion 54.00 (53.70 to 54.70): BF079330.D (-577) (-)



#31

Naphthalene

Concen: 6.02 ng

RT: 8.76 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

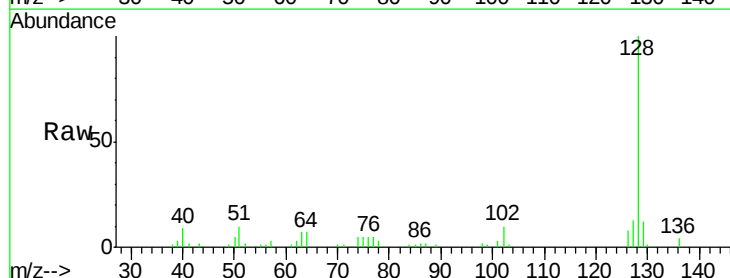
Tgt Ion: 128 Resp: 61216

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

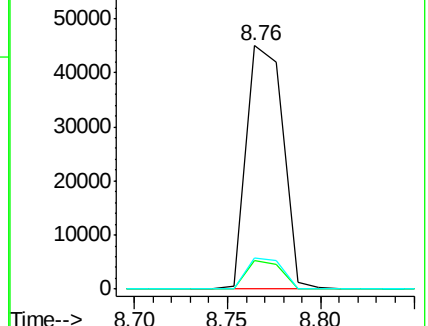
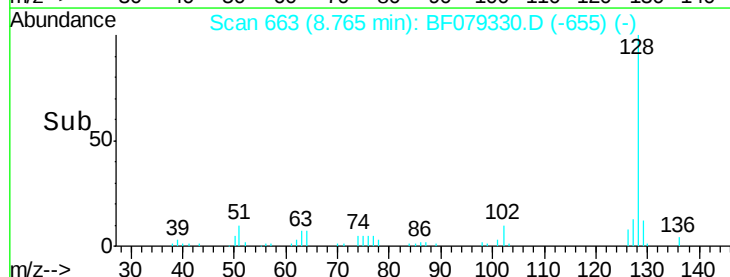
127 12.5 10.3 15.5

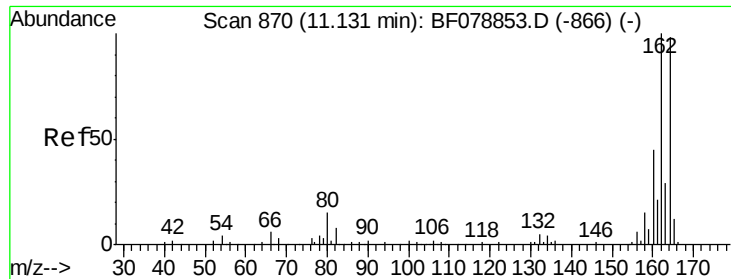


Abundance Ion 128.00 (127.70 to 128.70): BF079330.D (-655) (-)

Ion 129.00 (128.70 to 129.70): BF079330.D (-655) (-)

Ion 127.00 (126.70 to 127.70): BF079330.D (-655) (-)

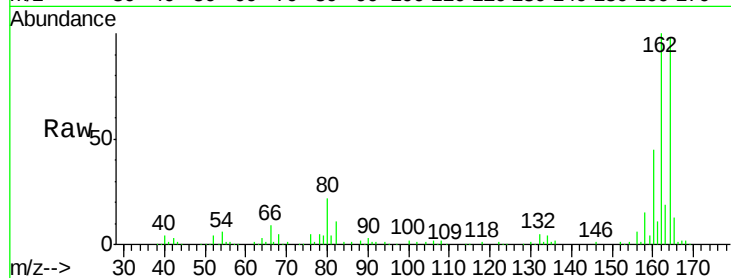




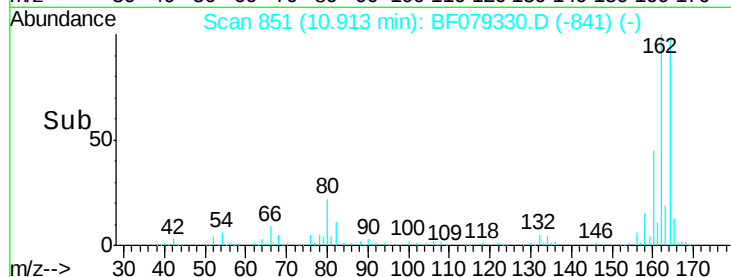
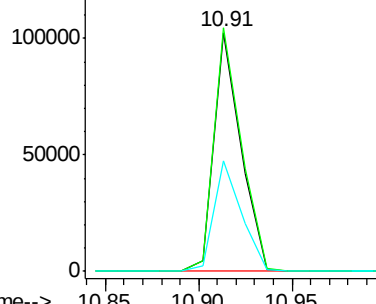
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Instrument :
BNA_F
ClientSampleId :
WC-01-D1

Tot Ion:164 Resp: 102646
Ion Ratio Lower Upper
164 100
162 102.0 81.4 122.0
160 46.4 36.6 54.8

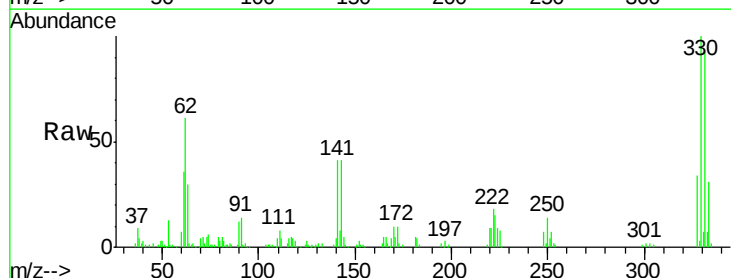


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

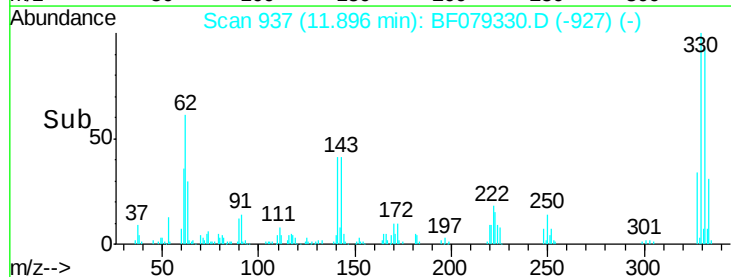
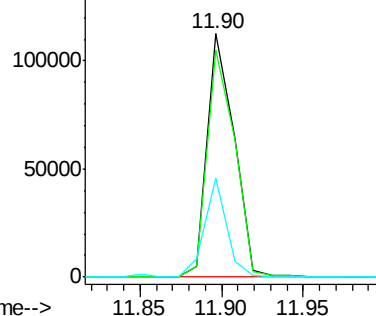


#41
2,4,6-Tribromophenol
Concen: 115.18 ng
RT: 11.90 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Tgt Ion:330 Resp: 127896
Ion Ratio Lower Upper
330 100
332 95.6 76.9 115.3
141 35.7 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

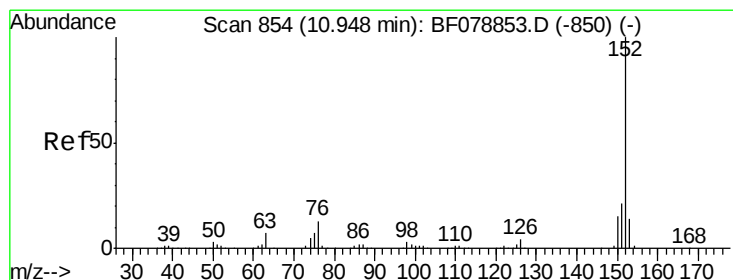
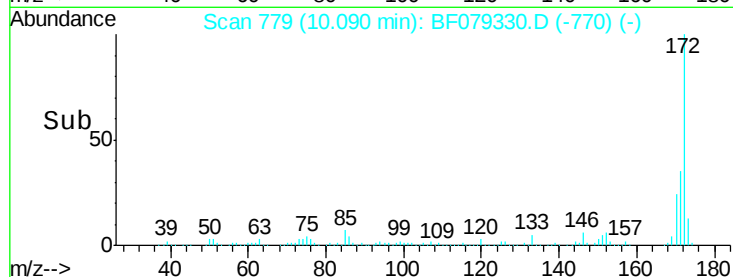
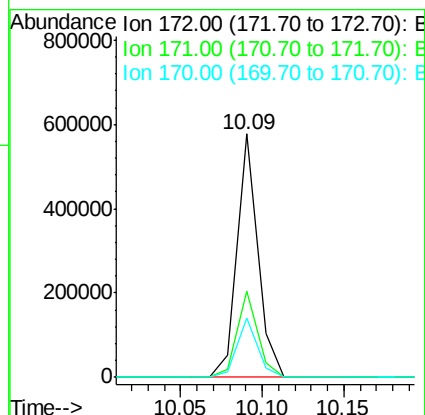
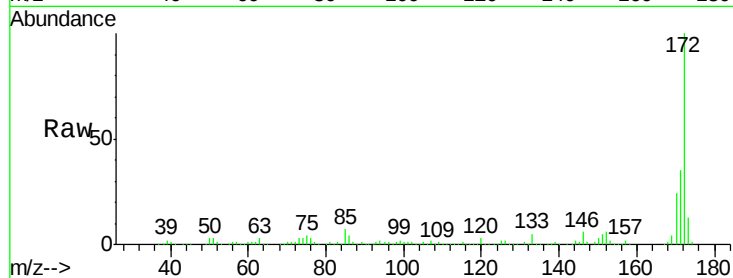




#44
2-Fluorobiphenyl
Concen: 68.77 ng
RT: 10.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

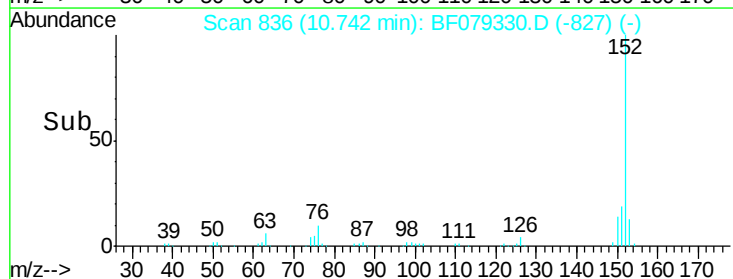
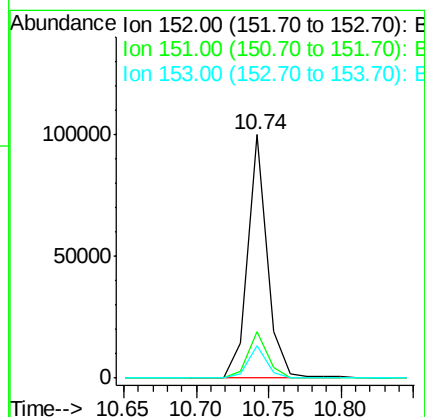
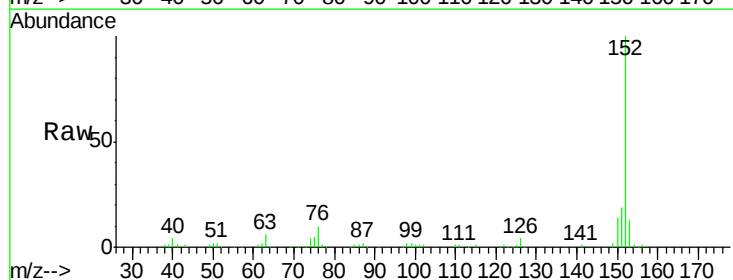
Instrument :
BNA_F
ClientSampleId :
WC-01-D1

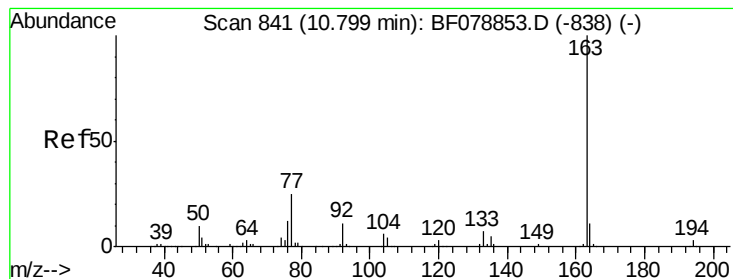
Tot Ion:172 Resp: 506672
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 24.1 19.4 29.2



#48
Acenaphthylene
Concen: 9.07 ng
RT: 10.74 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Tgt Ion:152 Resp: 94804
Ion Ratio Lower Upper
152 100
151 19.0 16.6 24.8
153 13.3 11.0 16.6





#49

Dimethylphthalate

Concen: 5.67 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

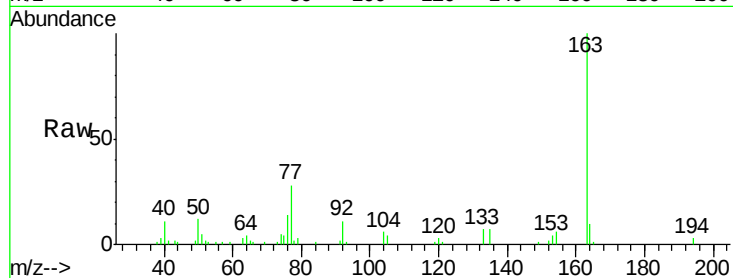
Tot Ion:163 Resp: 42750

Ion Ratio Lower Upper

163 100

194 2.7 2.4 3.6

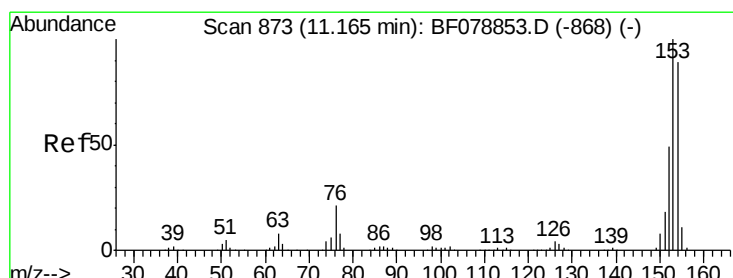
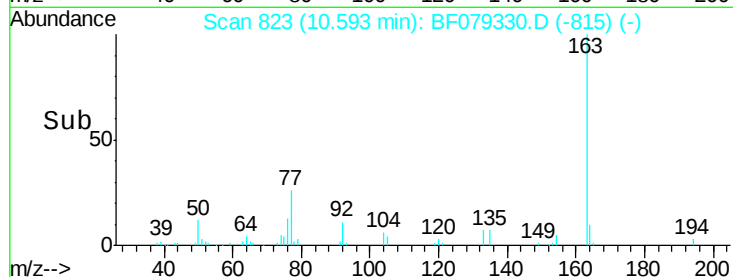
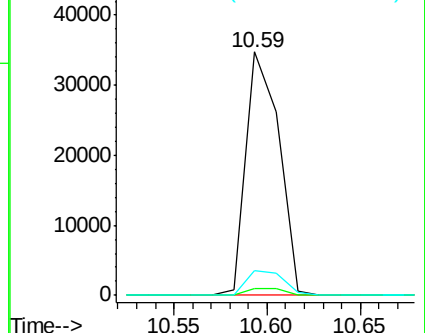
164 10.0 8.6 12.8



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



#51

Acenaphthene

Concen: 3.17 ng

RT: 10.96 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

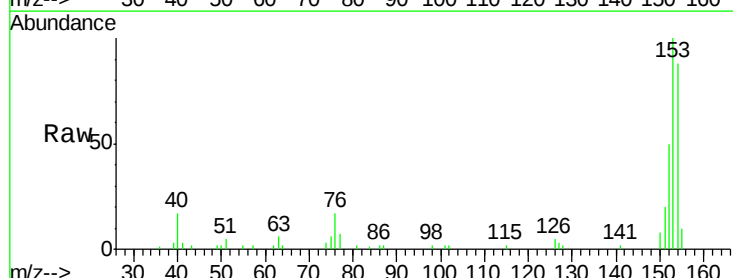
Tgt Ion:154 Resp: 19761

Ion Ratio Lower Upper

154 100

153 113.1 90.2 135.2

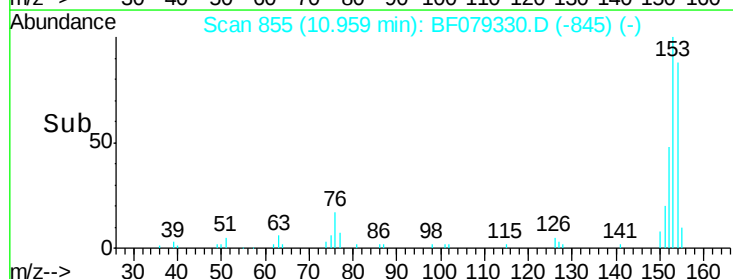
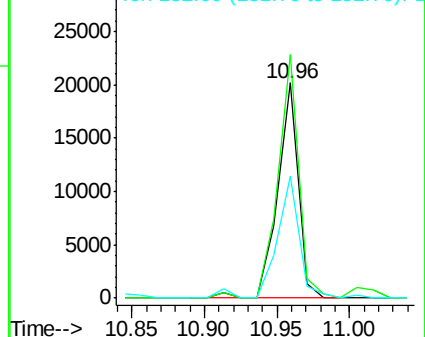
152 56.4 43.8 65.8

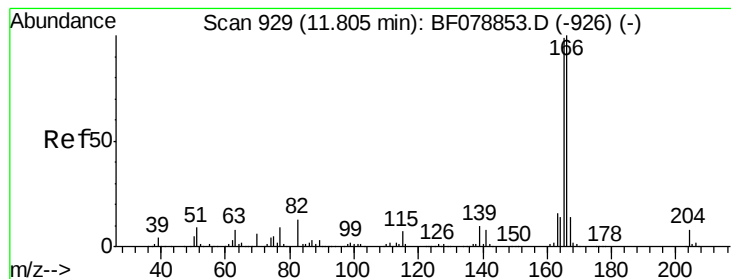


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#57

Fluorene

Concen: 3.20 ng

RT: 11.60 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

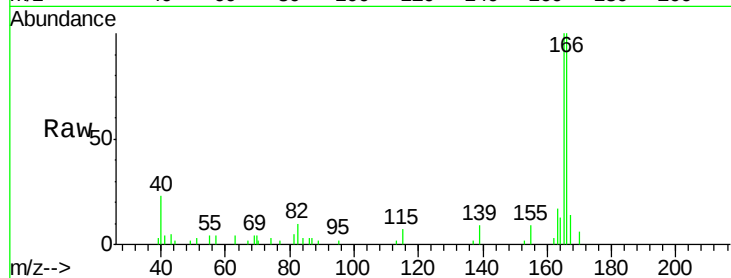
Tot Ion:166 Resp: 23648

Ion Ratio Lower Upper

166 100

165 100.0 79.5 119.3

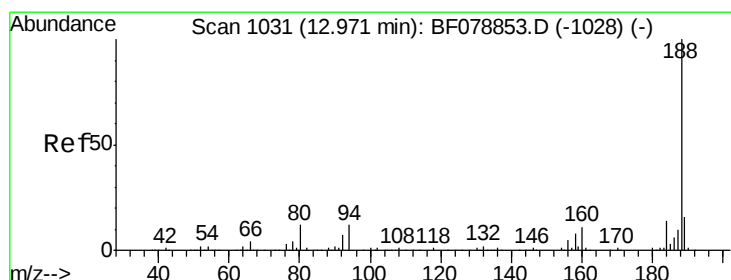
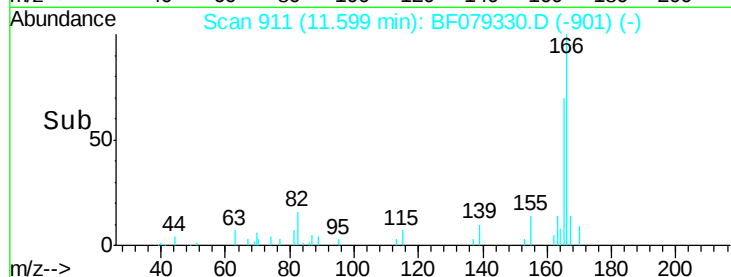
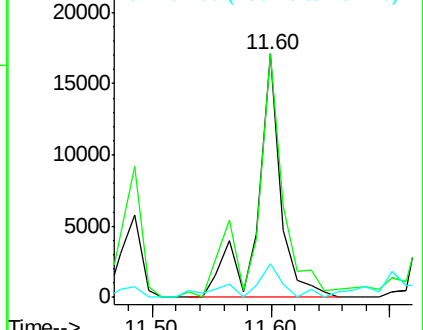
167 14.1 11.0 16.6



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: 12.75 min Scan# 1012

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

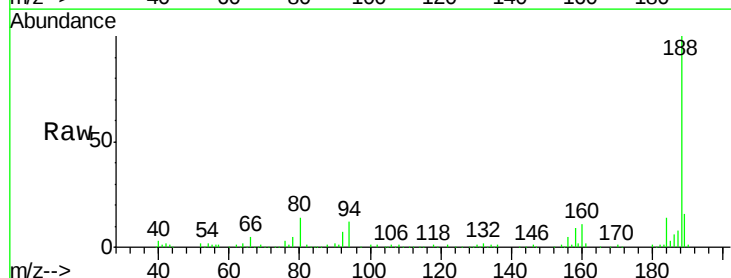
Tgt Ion:188 Resp: 194162

Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.0

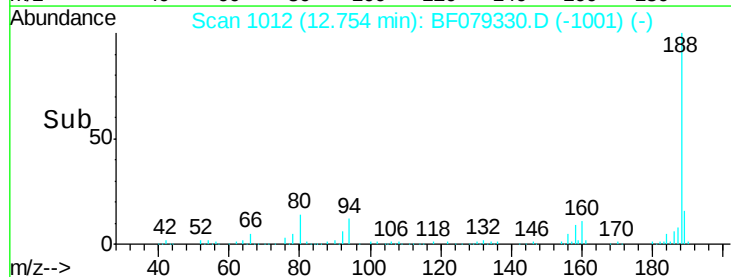
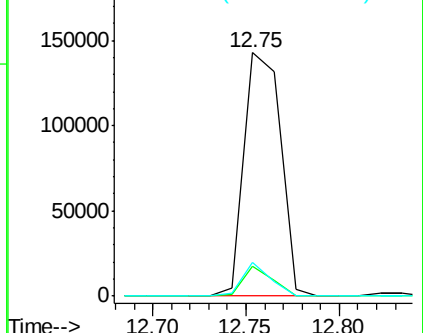
80 13.9 9.8 14.6

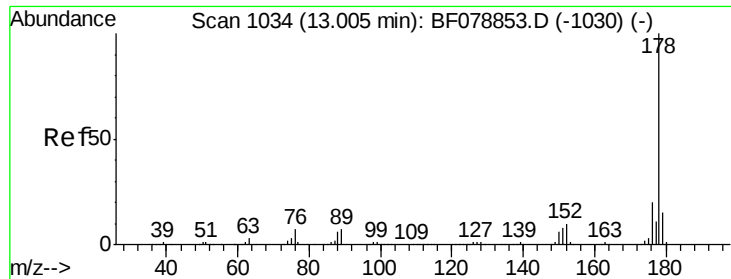


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

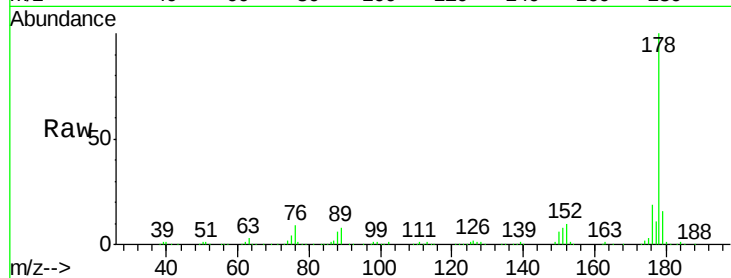




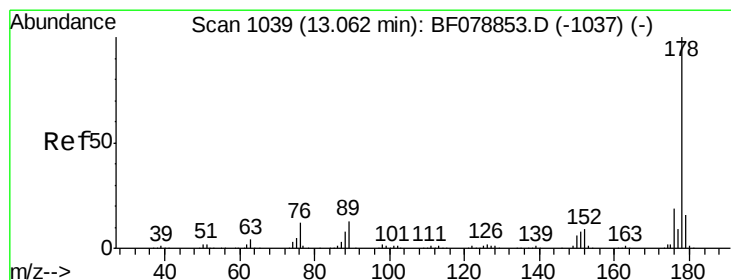
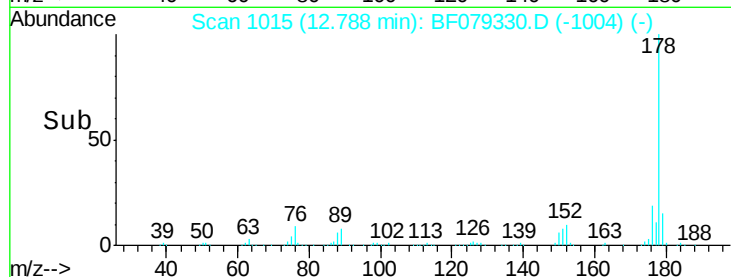
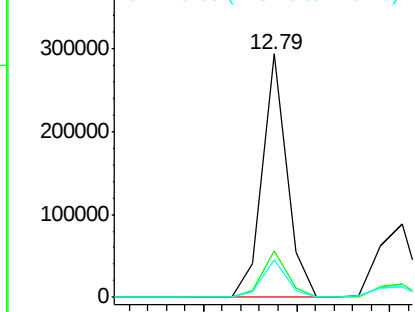
#70
Phenanthrene
Concen: 24.71 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Instrument :
BNA_F
ClientSampleId :
WC-01-D1

Tot Ion:178 Resp: 268438
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.6 12.2 18.4

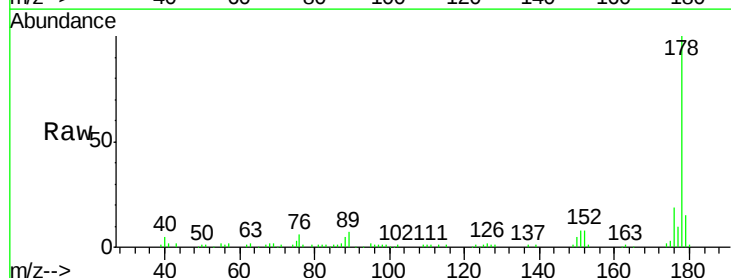


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

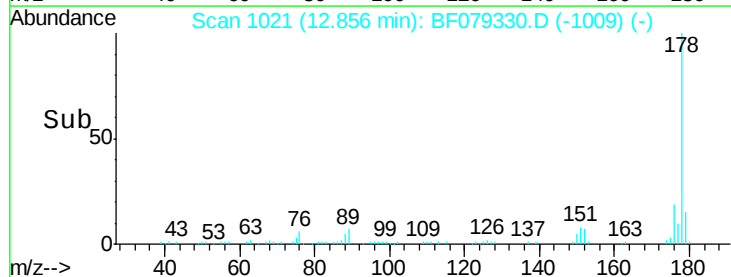
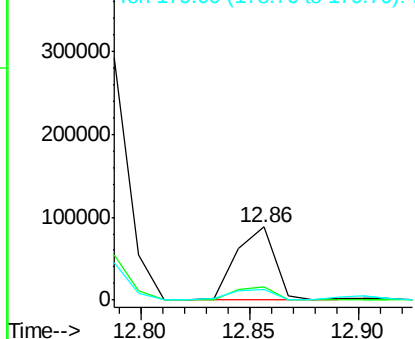


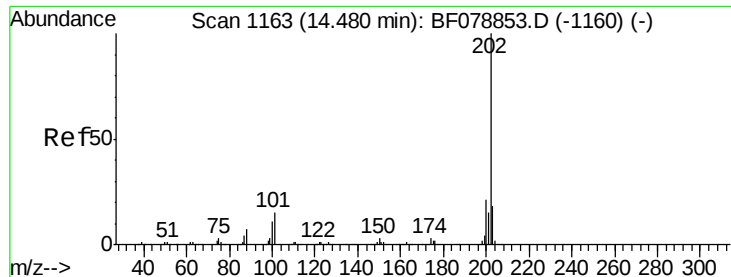
#71
Anthracene
Concen: 9.98 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Tgt Ion:178 Resp: 106382
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.5 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





#74

Fluoranthene

Concen: 46.37 ng

RT: 14.26 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

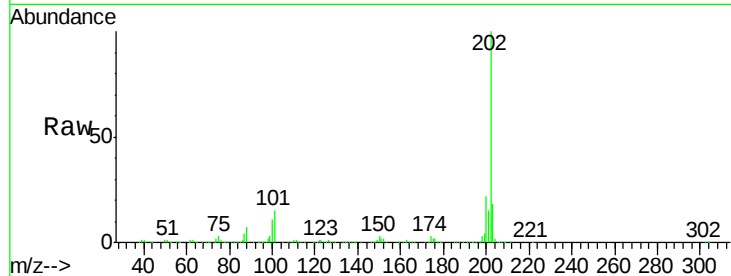
Tot Ion:202 Resp: 524809

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.7

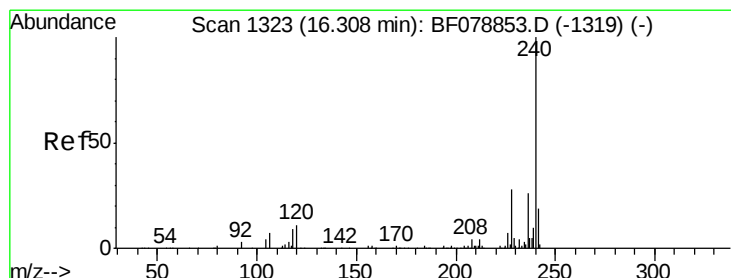
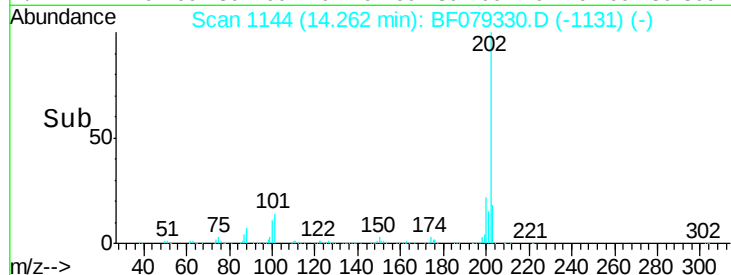
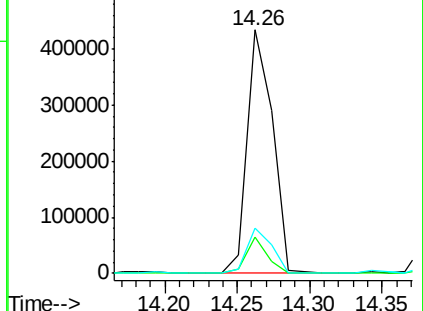
203 18.4 0.0 37.9



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: BF079330.D

Acq: 19 May 2015 3:57

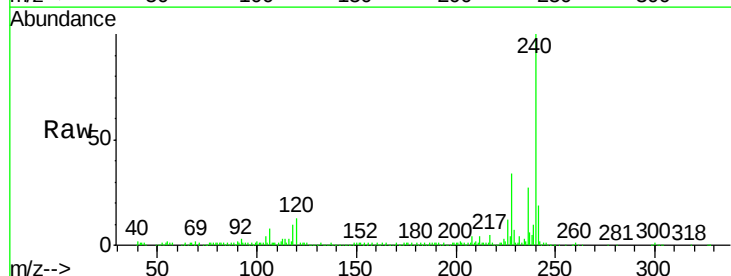
Tgt Ion:240 Resp: 201626

Ion Ratio Lower Upper

240 100

120 12.7 8.6 12.8

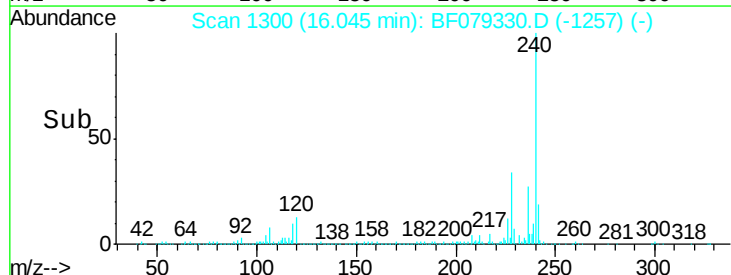
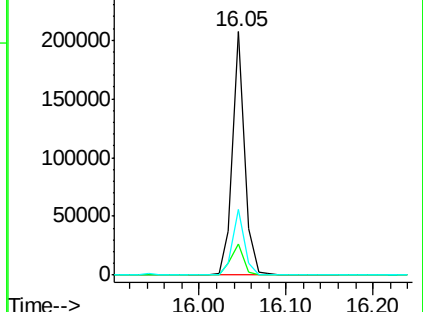
236 26.8 21.0 31.6

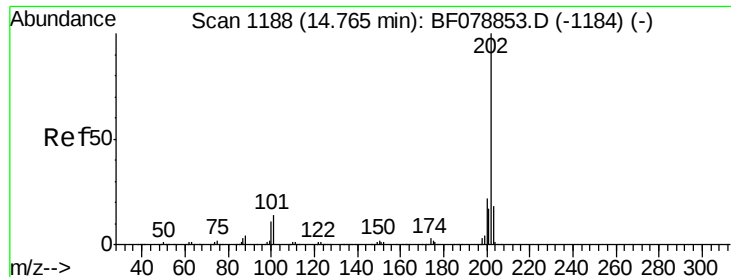


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

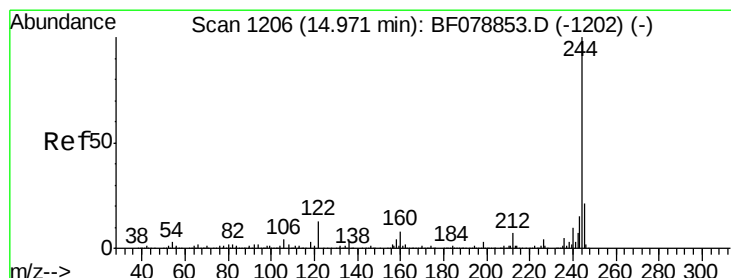
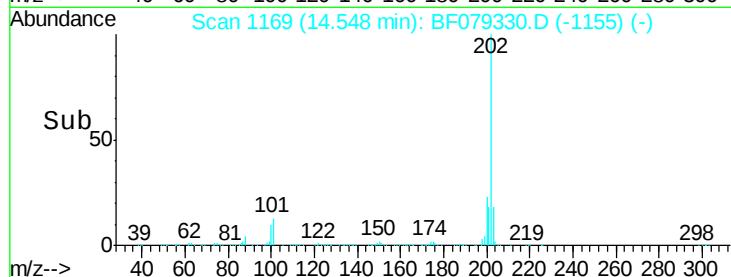
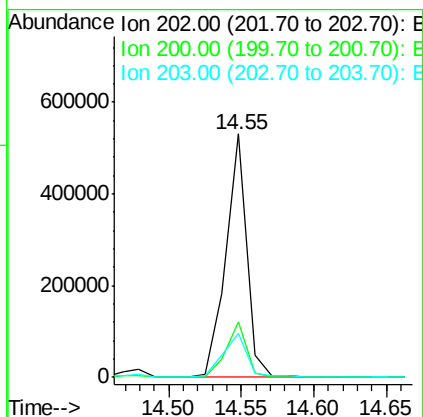
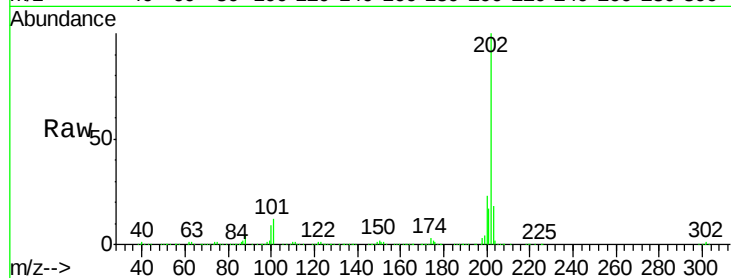




#77
Pvrene
Concen: 45.41 ng
RT: 14.55 min Scan# 1169
Delta R.T. 0.01 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

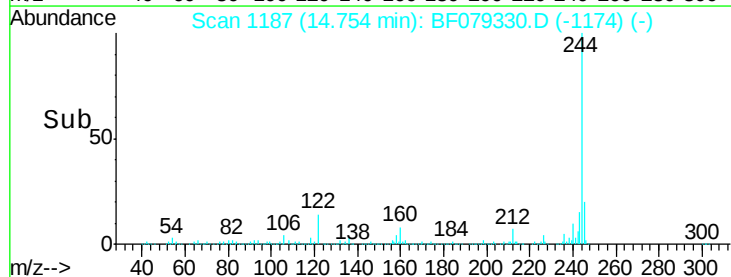
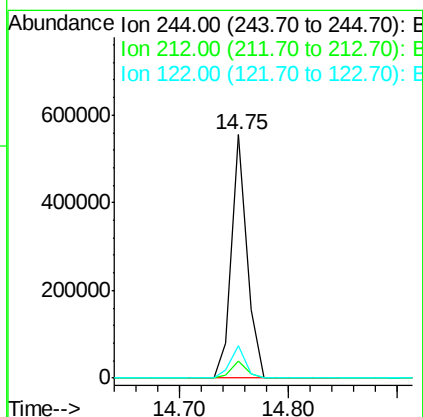
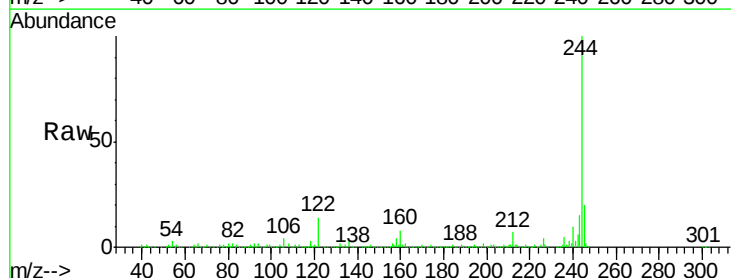
Instrument :
BNA_F
ClientSampleId :
WC-01-D1

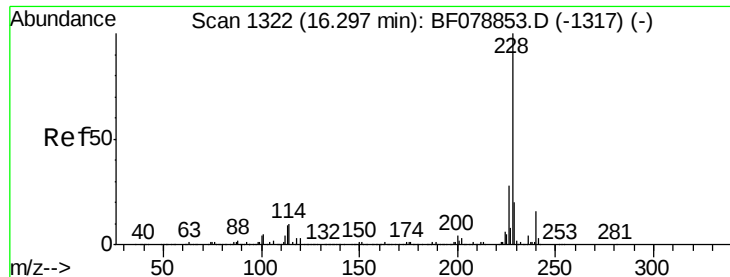
Tot Ion:202 Resp: 527644
Ion Ratio Lower Upper
202 100
200 22.6 17.5 26.3
203 18.1 14.7 22.1



#78
Terphenyl-d14
Concen: 64.81 ng
RT: 14.75 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Tgt Ion:244 Resp: 545807
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 13.5 10.5 15.7





#80

Benzo(a)anthracene

Concen: 32.16 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

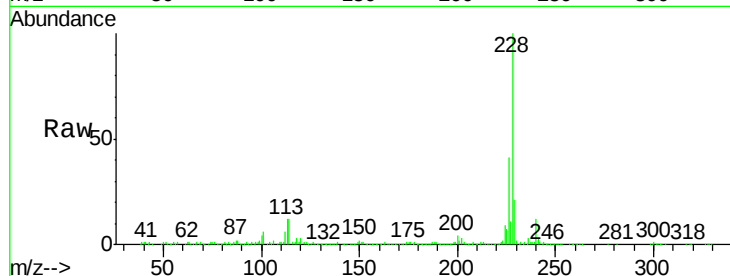
Tot Ion:228 Resp: 355075

Ion Ratio Lower Upper

228 100

226 41.3 22.3 33.5#

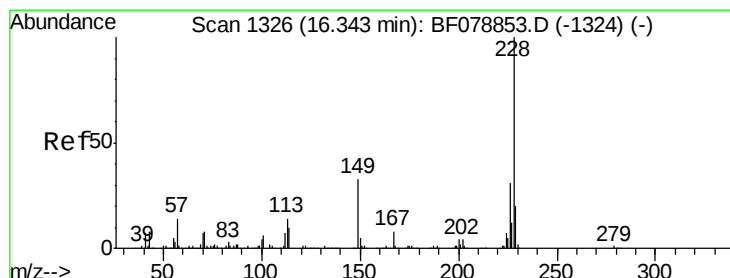
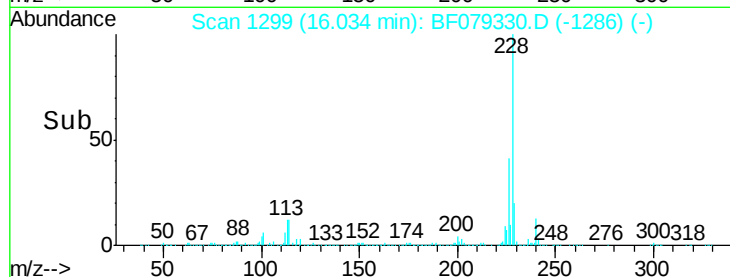
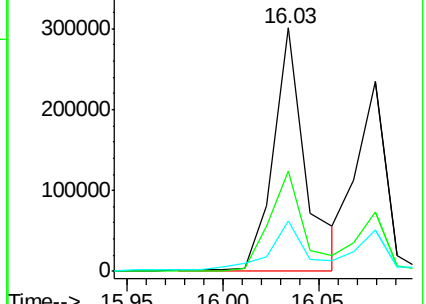
229 20.5 16.1 24.1



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: 23.64 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

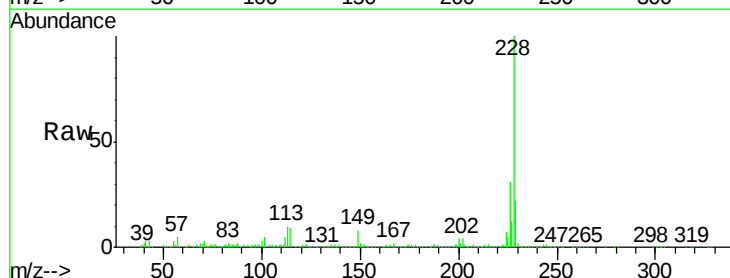
Tgt Ion:228 Resp: 251072

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

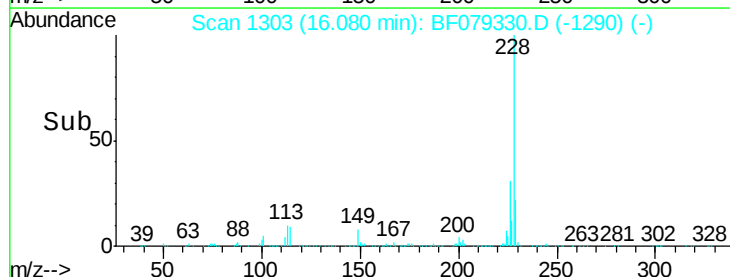
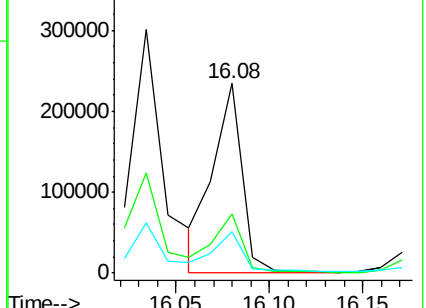
229 21.9 16.1 24.1

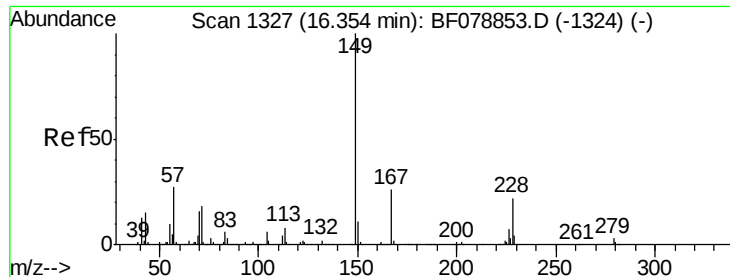


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

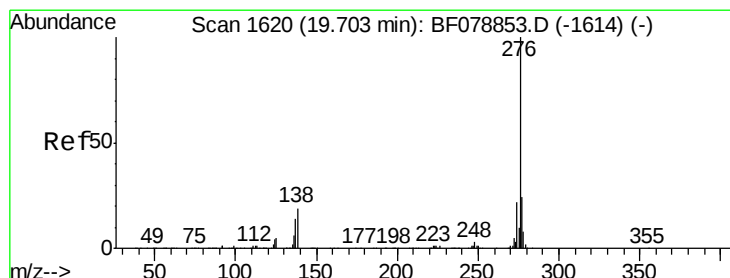
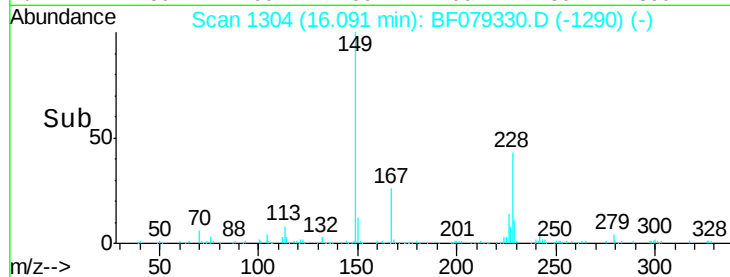
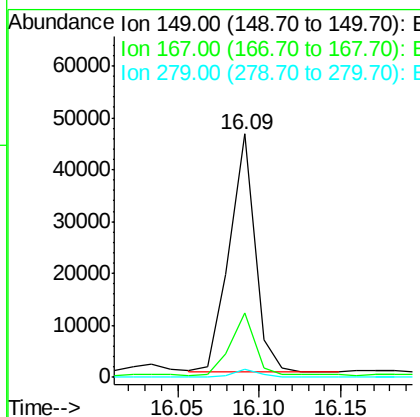
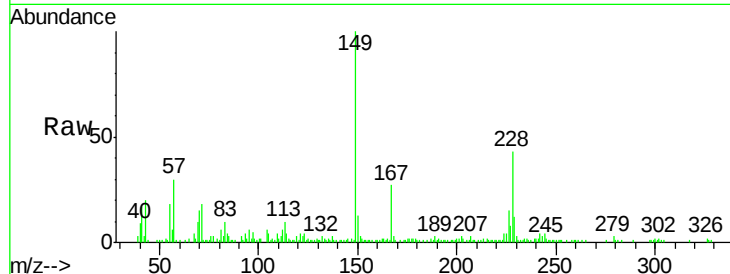




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.47 ng
 RT: 16.09 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

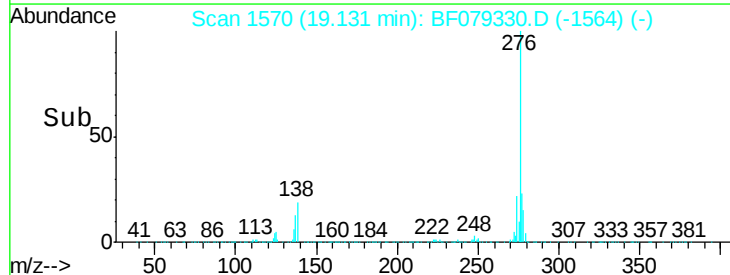
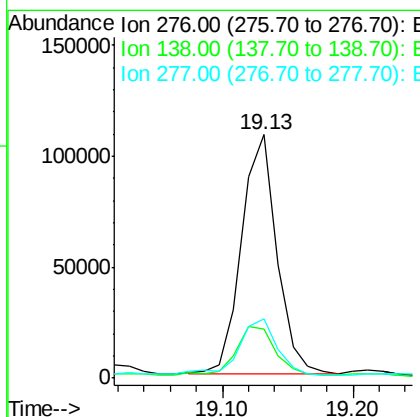
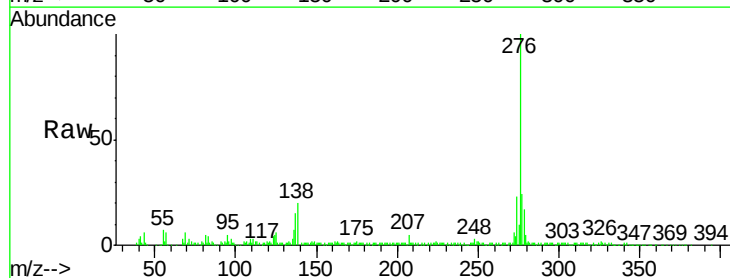
Instrument :
 BNA_F
 ClientSampleId :
 WC-01-D1

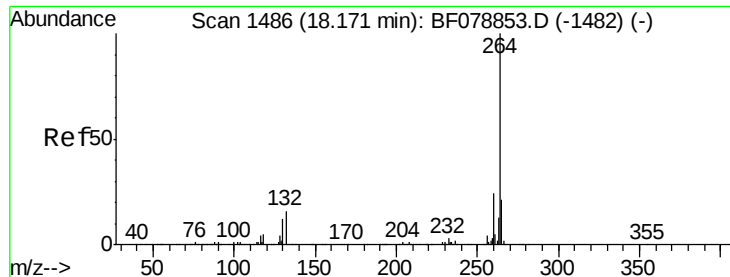
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.2	31.8
279	3.4	2.6	4.0



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.90 ng
 RT: 19.13 min Scan# 1570
 Delta R.T. -0.14 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	21.1	31.7
277	25.3	19.9	29.9

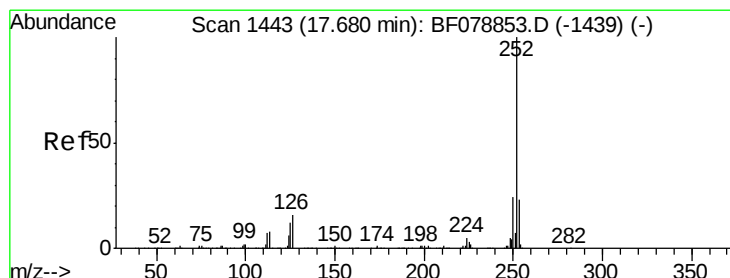
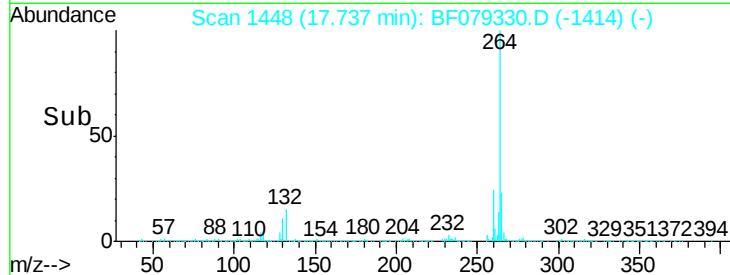
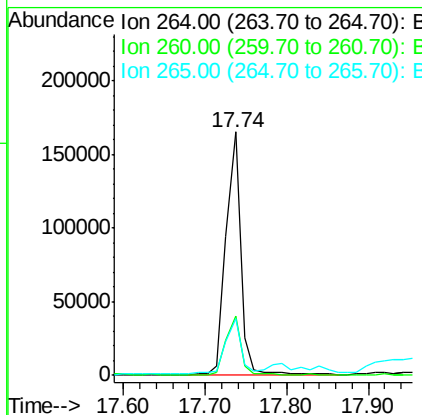
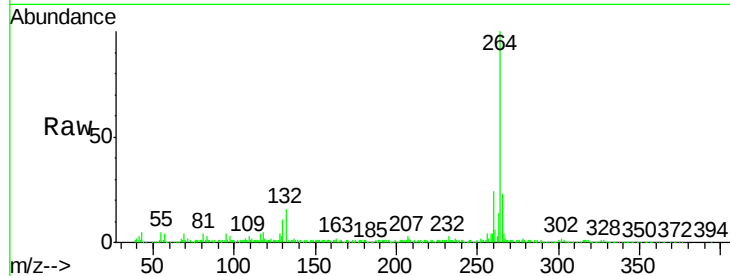




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.74 min Scan# 1448
Delta R.T. -0.11 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

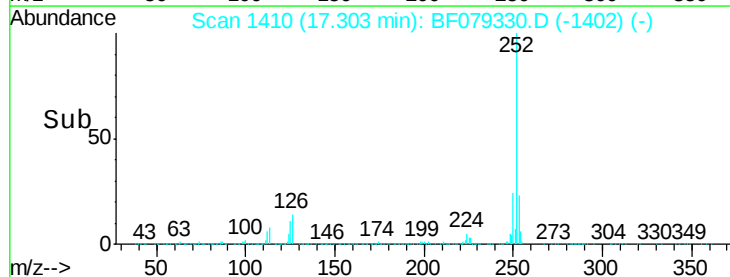
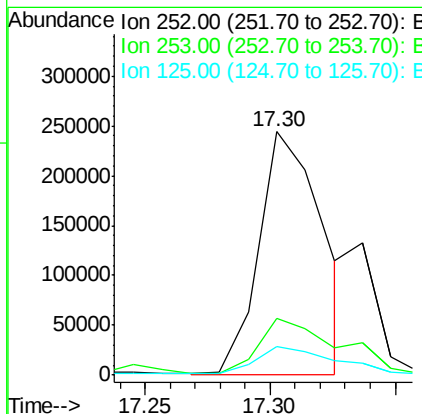
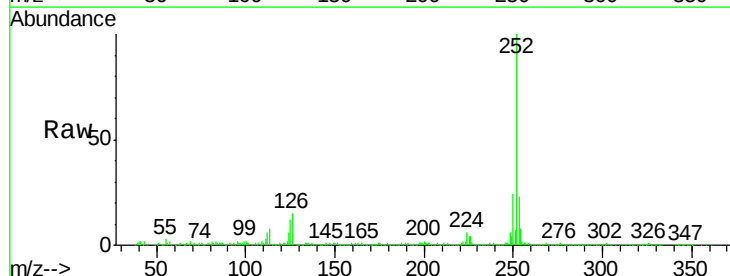
Instrument :
BNA_F
ClientSampleId :
WC-01-D1

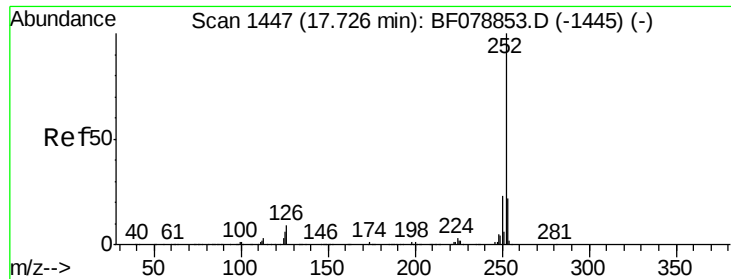
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.3	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 37.92 ng m
RT: 17.30 min Scan# 1410
Delta R.T. -0.09 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	11.7	9.4	14.2

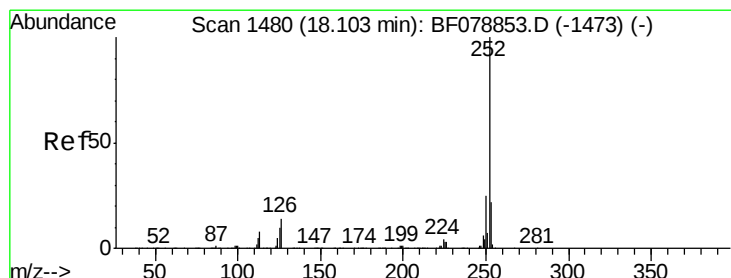
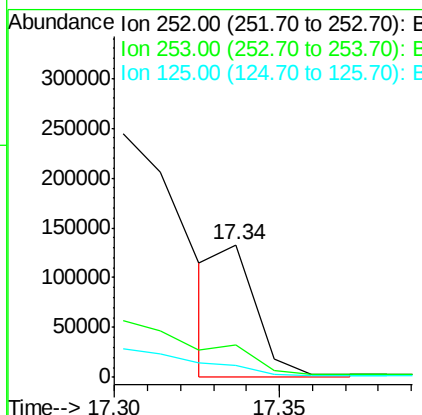
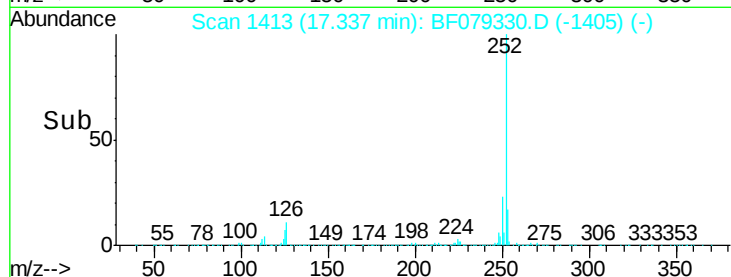
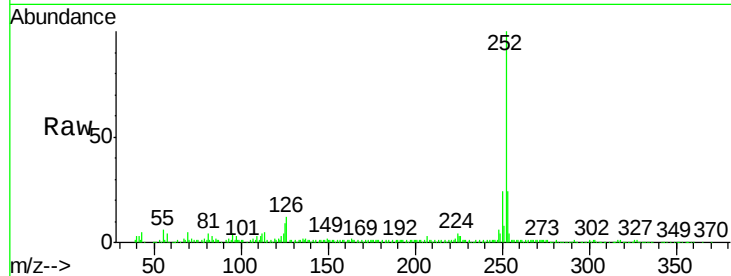




#88
Benzo(k)fluoranthene
Concen: 9.77 ng m
RT: 17.34 min Scan# 1413
Delta R.T. -0.09 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

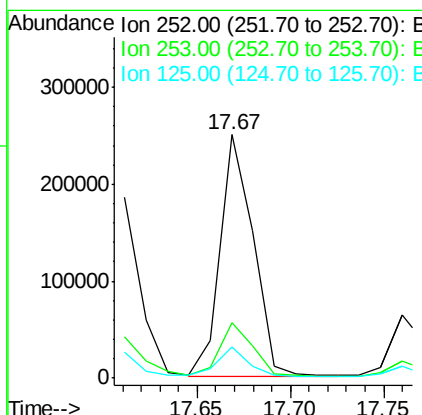
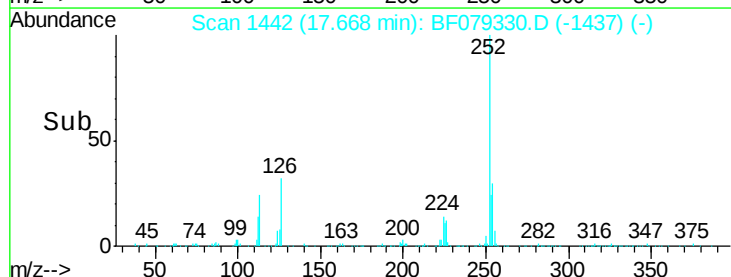
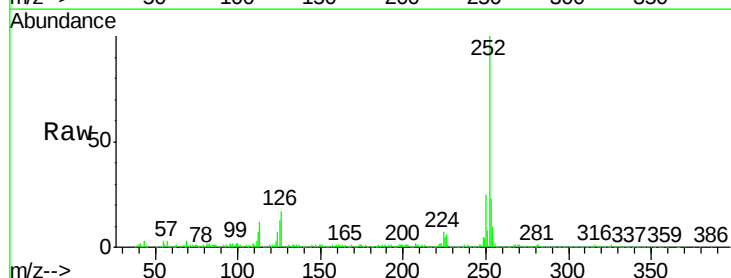
Instrument :
BNA_F
ClientSampleId :
WC-01-D1

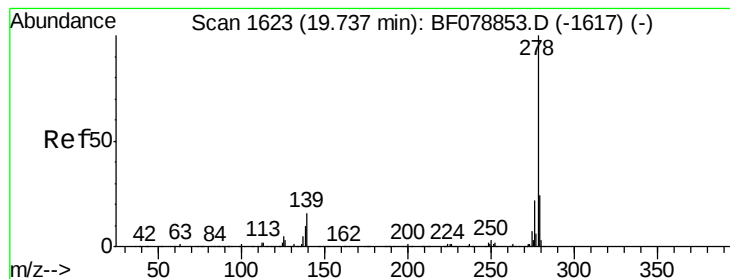
Tot Ion:252 Resp: 107865
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 8.6 6.1 9.1



#89
Benzo(a)pyrene
Concen: 29.54 ng
RT: 17.67 min Scan# 1442
Delta R.T. -0.13 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Tgt Ion:252 Resp: 310204
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 12.9 8.2 12.2#





#90

Dibenzo(a,h)anthracene

Concen: 3.91 ng/mL

RT: 19.14 min Scan# 1571

Delta R.T. -0.16 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

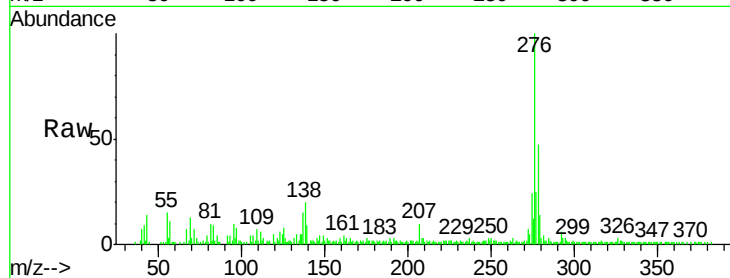
Tot Ion:278 Resp: 43669

Ion Ratio Lower Upper

278 100

139 20.1 13.1 19.7#

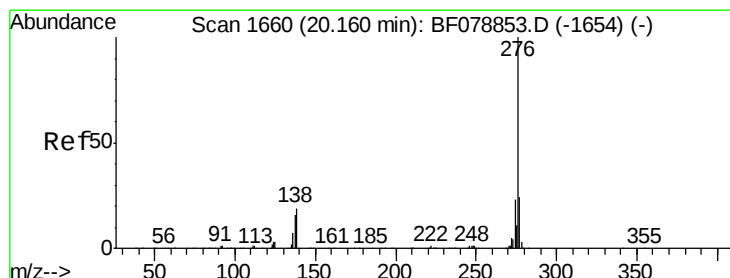
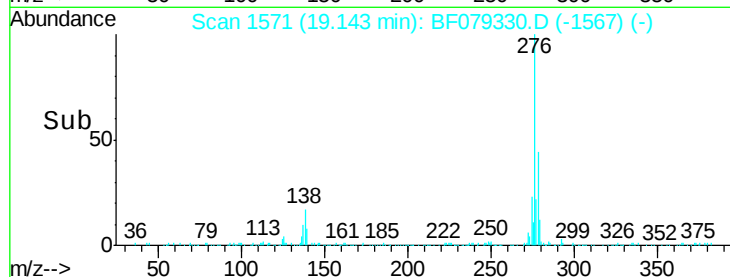
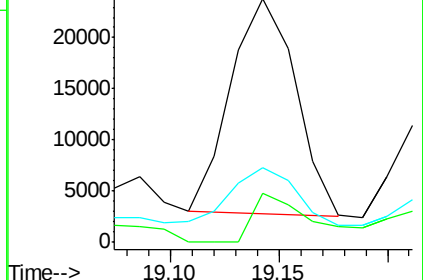
279 30.7 19.1 28.7#



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: 17.91 ng/mL

RT: 19.54 min Scan# 1606

Delta R.T. -0.15 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

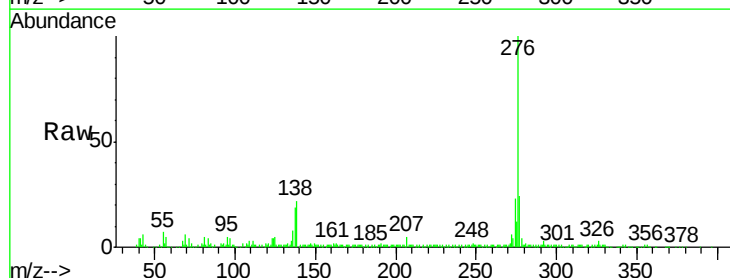
Tgt Ion:276 Resp: 200413

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 21.5 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

