

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 05:11:05 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

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
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

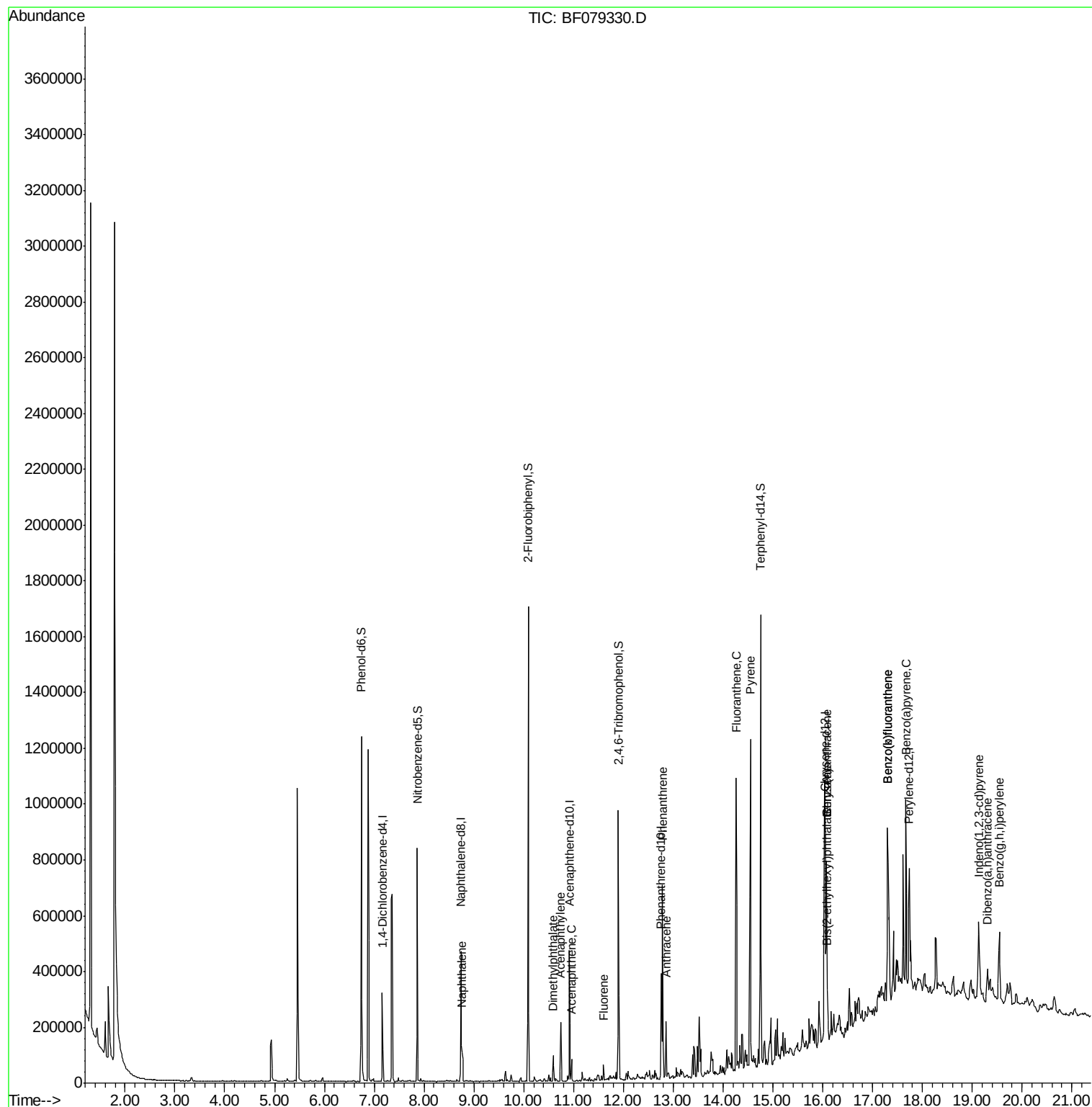
						Qvalue
31) Naphthalene	8.76	128	61216	6.02	ng	99
48) Acenaphthylene	10.74	152	94804	9.07	ng	97
49) Dimethylphthalate	10.59	163	42750	5.67	ng	98
51) Acenaphthene	10.96	154	19761	3.17	ng	99
57) Fluorene	11.60	166	23648	3.20	ng	99
70) Phenanthrene	12.79	178	268438	24.71	ng	98
71) Anthracene	12.86	178	106382	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	16.08	228	251855	22.81	ng	95
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	534794	46.89	ng	99
88) Benzo(k)fluoranthene	17.30	252	534794	48.43	ng	# 95
89) Benzo(a)pyrene	17.67	252	310204	29.54	ng	# 97
90) Dibenzo(a,h)anthracene	19.30	278	44165	3.96	ng	92
91) Benzo(g,h,i)perylene	19.54	276	200413	17.91	ng	97

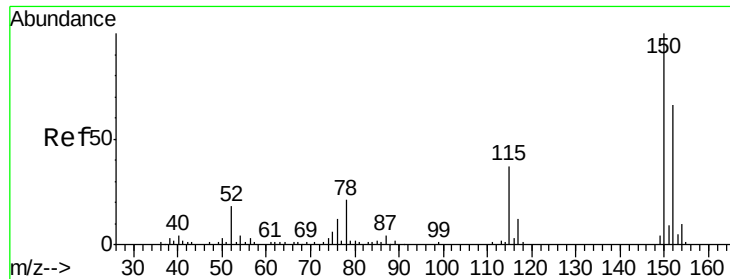
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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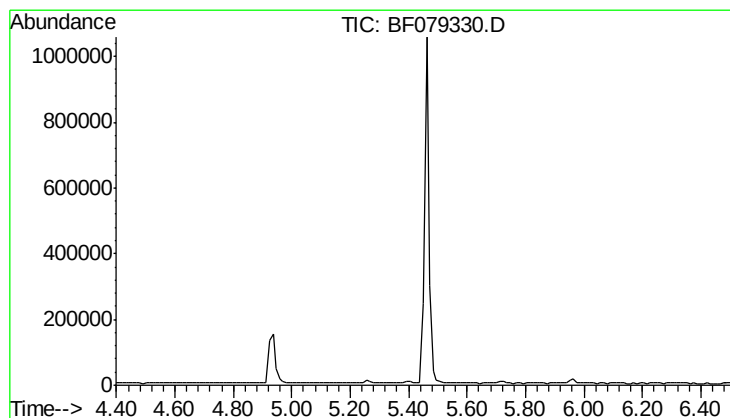
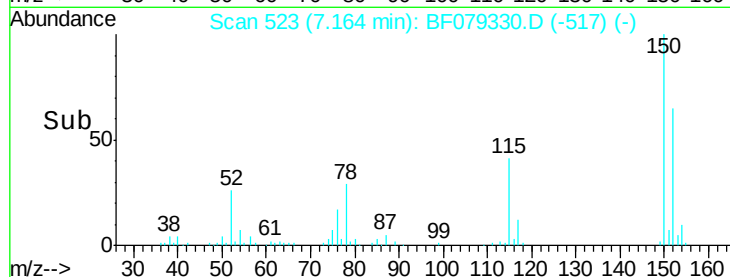
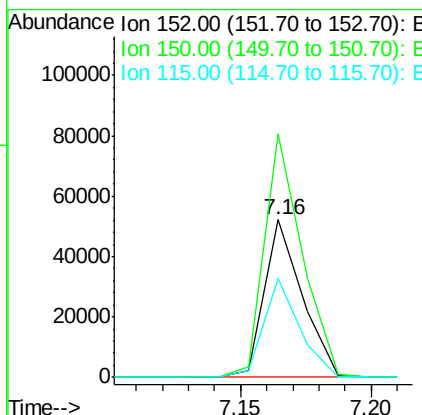
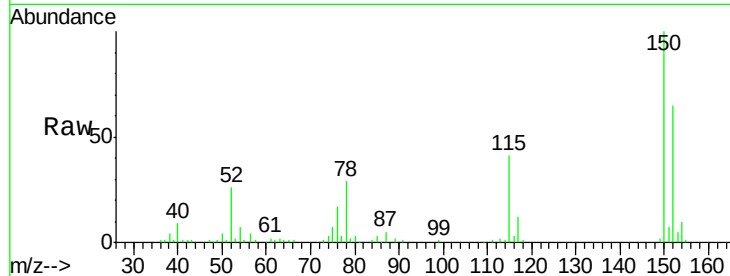




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

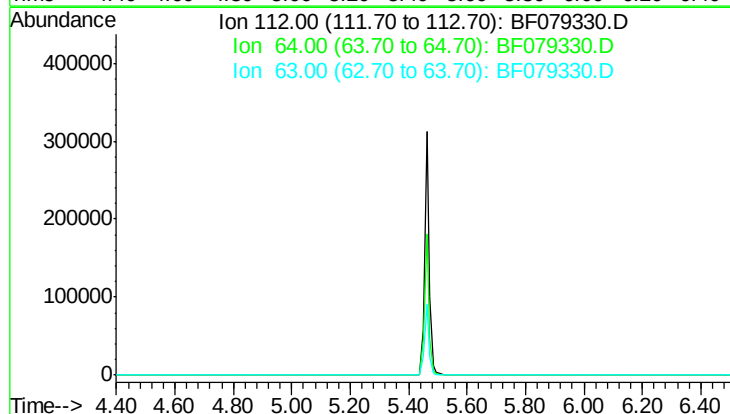
Instrument :
 BNA_F
 ClientSampleId :
 WC-01-D1

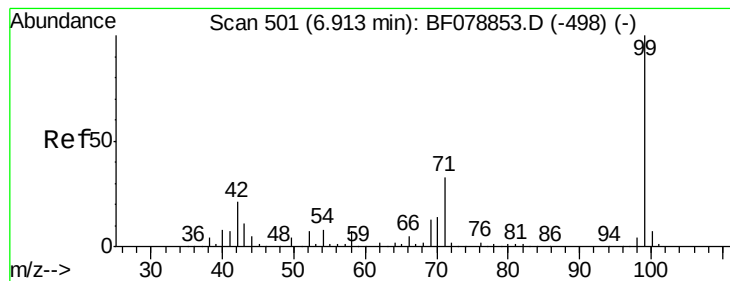
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.8	185.8
115	62.7	49.4	74.0



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.45 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

Tgt Ion	Sig	Exp Ratio
112	100	
64		55.2
63		28.4





#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

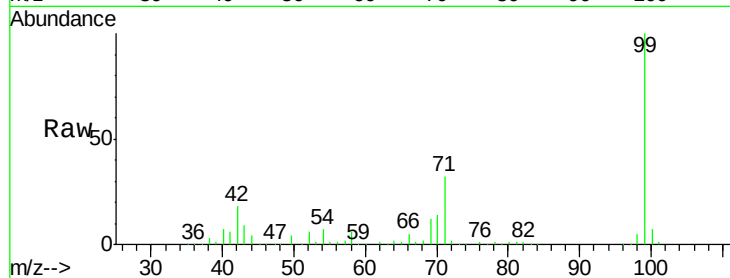
Tgt Ion: 99 Resp: 429545

Ion Ratio Lower Upper

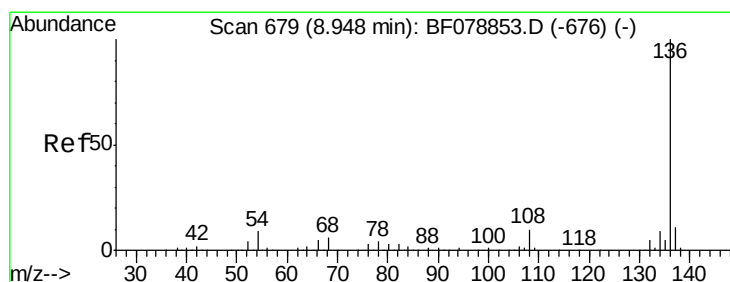
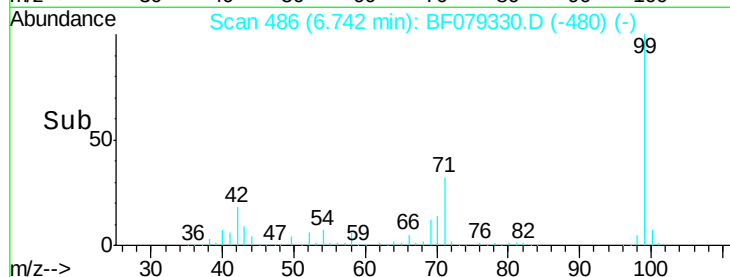
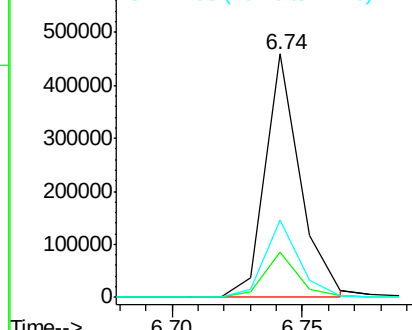
99 100

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

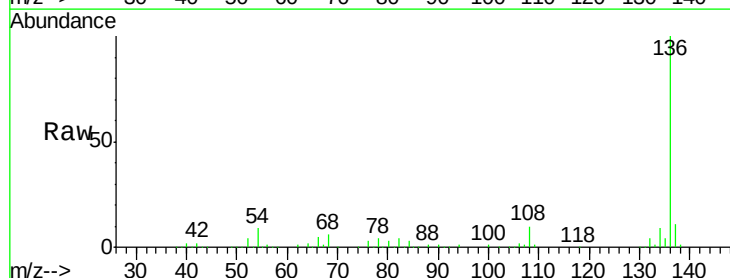
Ion Ratio Lower Upper

136 100

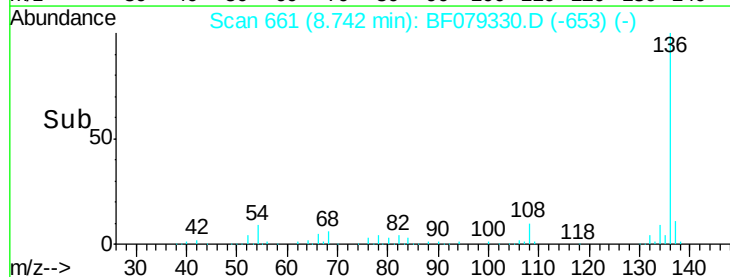
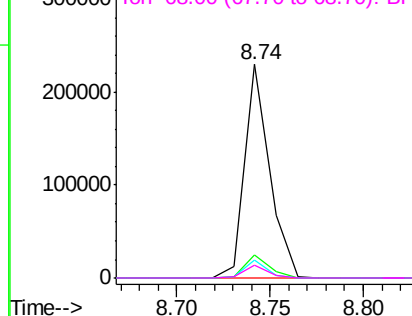
137 11.1 8.8 13.2

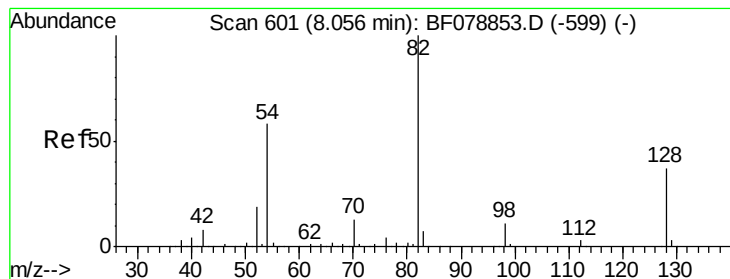
54 8.5 6.9 10.3

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

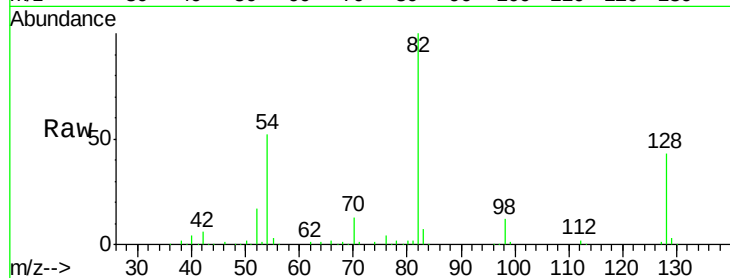
Tgt Ion: 82 Resp: 254823

Ion Ratio Lower Upper

82 100

128 43.4 29.7 44.5

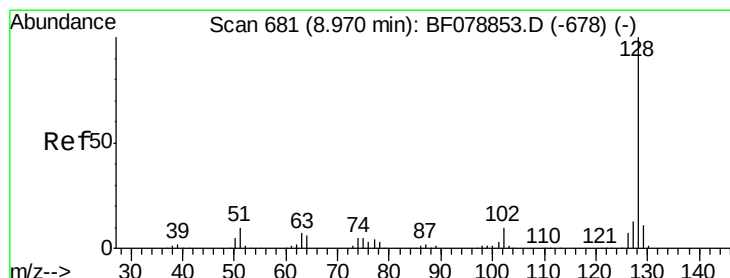
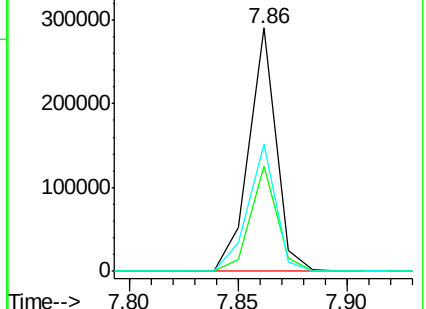
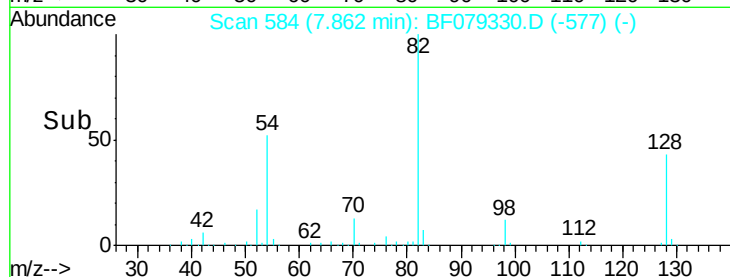
54 52.1 46.2 69.4



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

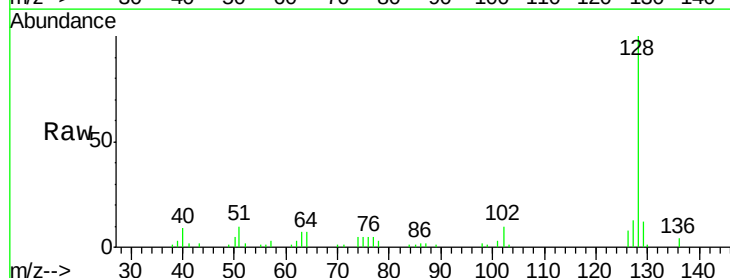
Tgt Ion: 128 Resp: 61216

Ion Ratio Lower Upper

128 100

129 11.7 9.2 13.8

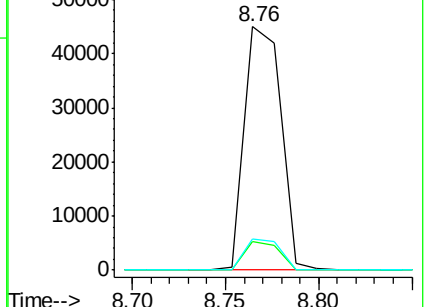
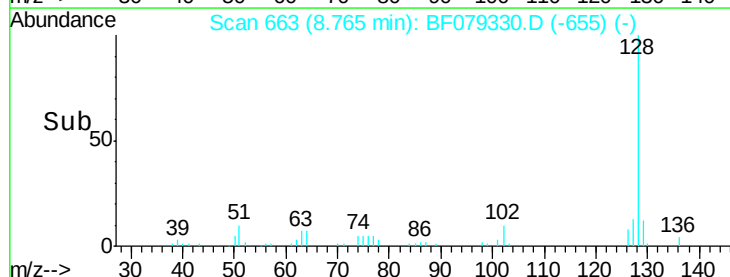
127 12.5 10.3 15.5

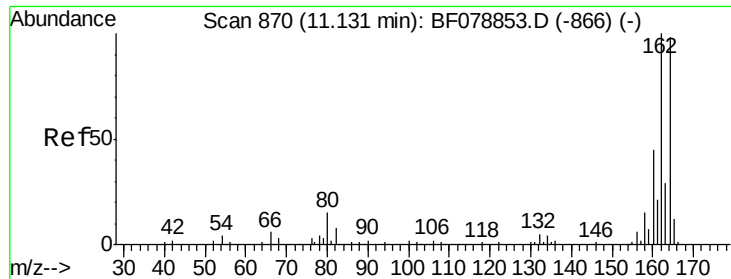


Abundance Ion 128.00 (127.70 to 128.70): BF079330.D (-655) (-)

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

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

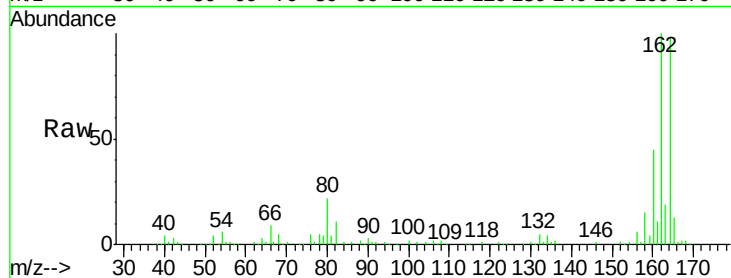




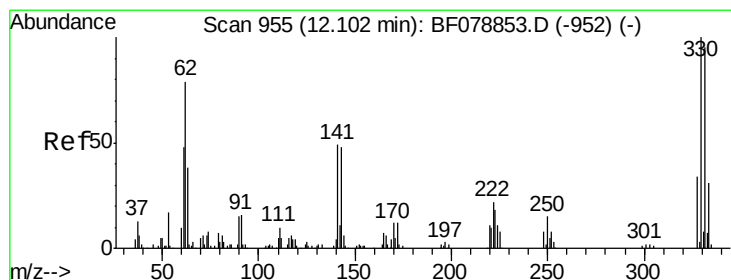
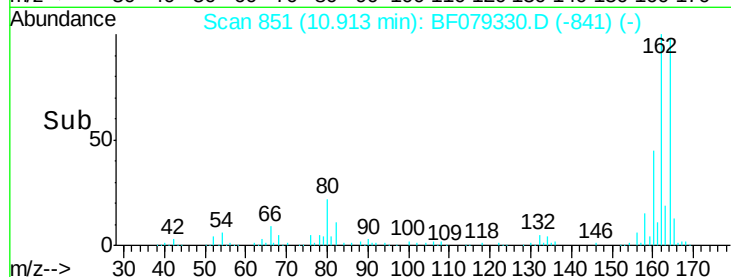
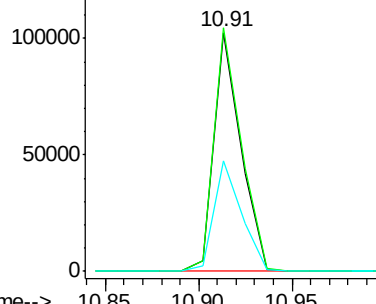
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Instrument :
BNA_F
ClientSampleId :
WC-01-D1

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

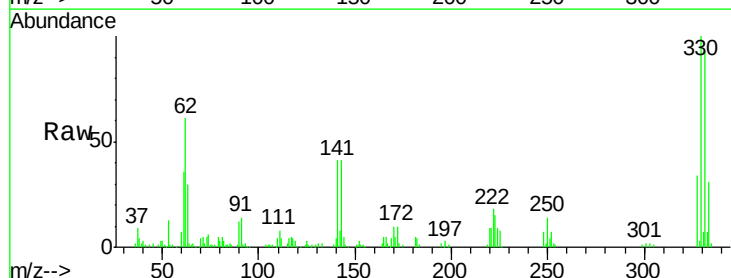


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

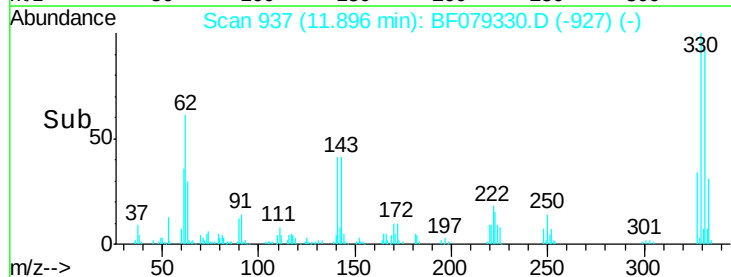
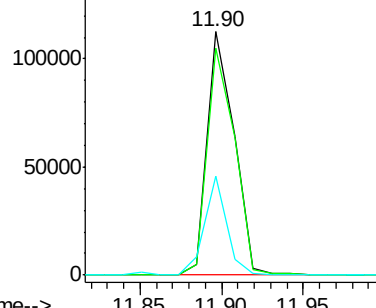


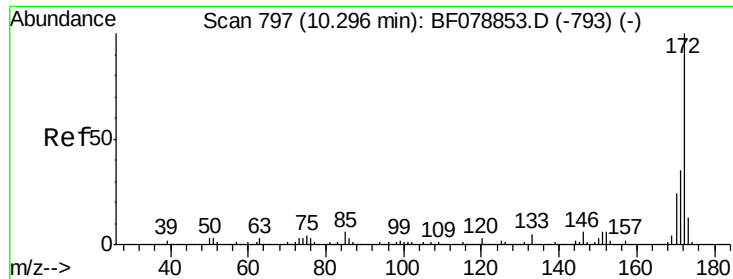
#41
2,4,6-Tribromophenol
Concen: 115.18 ng
RT: 11.90 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

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

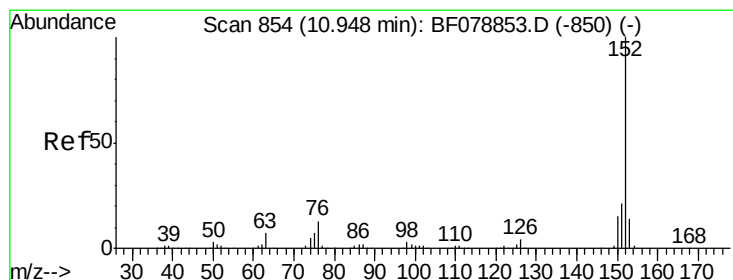
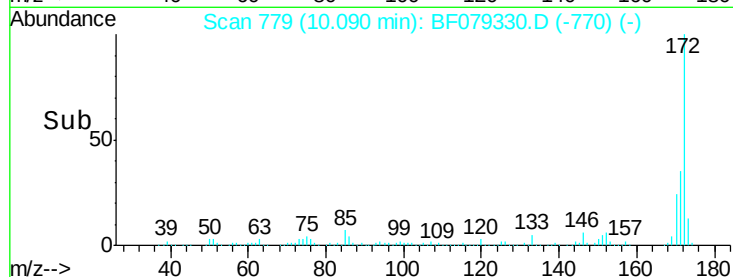
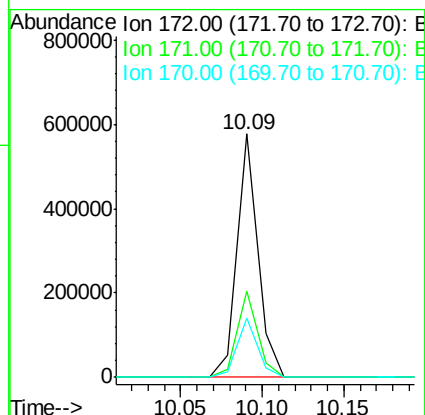
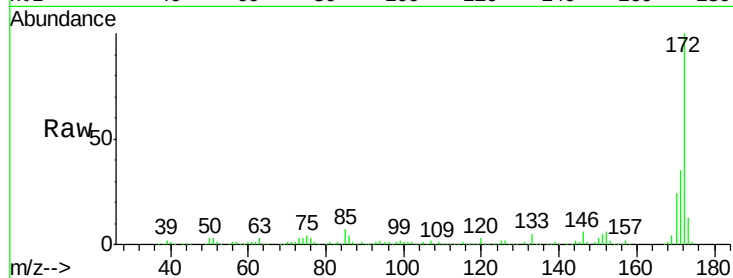




#44
2-Fluorobiphenyl
Concen: 68.77 ng
RT: 10.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

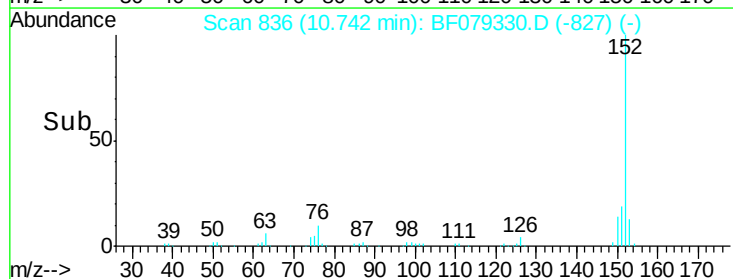
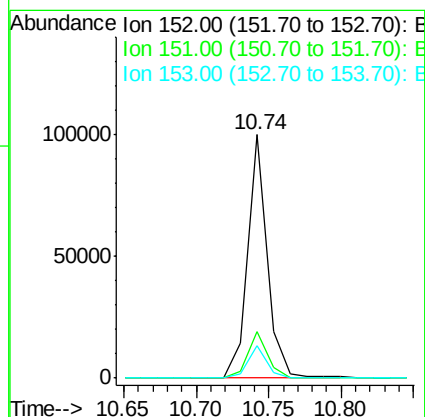
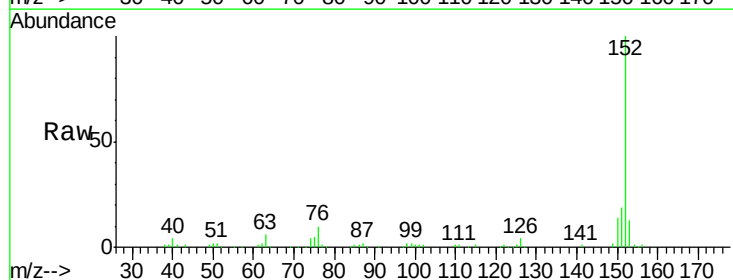
Instrument :
BNA_F
ClientSampleId :
WC-01-D1

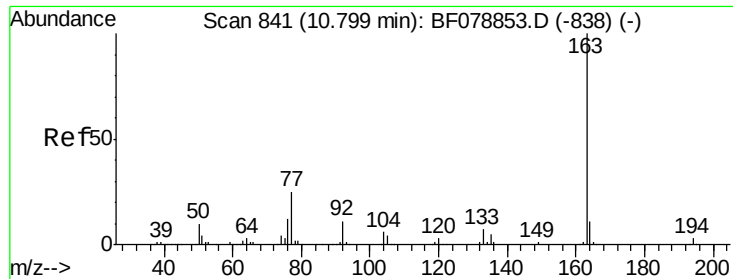
Tgt Ion:172 Resp: 506672
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 24.1 19.4 29.2



#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

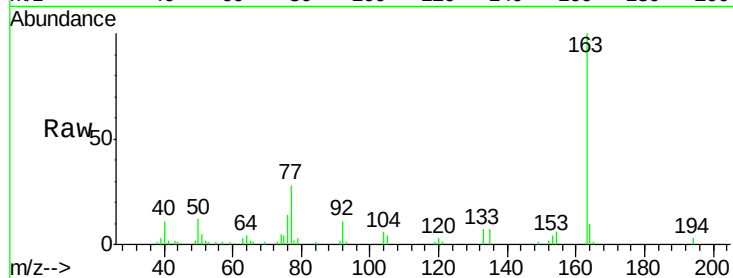




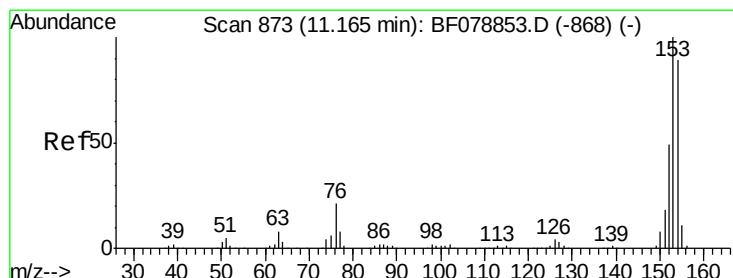
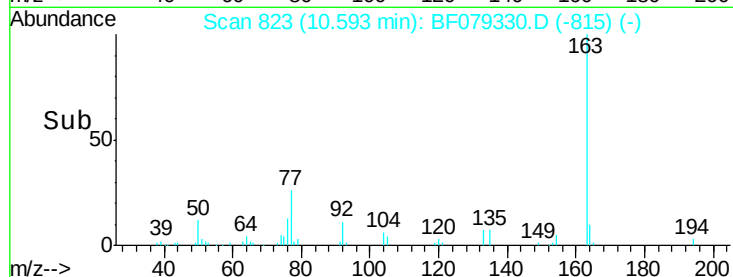
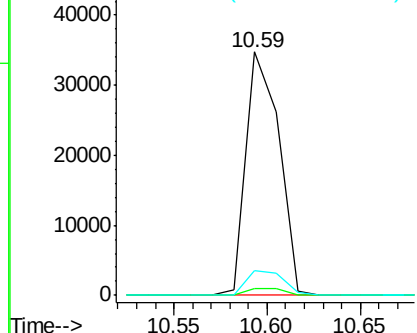
#49
Dimethylphthalate
Concen: 5.67 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Instrument :
BNA_F
ClientSampleId :
WC-01-D1

Tgt Ion:163 Resp: 42750
Ion Ratio Lower Upper
163 100
194 2.7 2.4 3.6
164 10.0 8.6 12.8

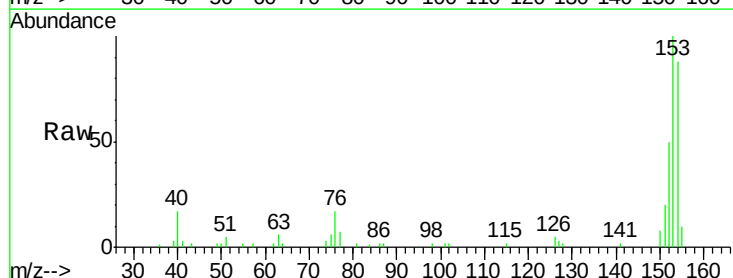


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

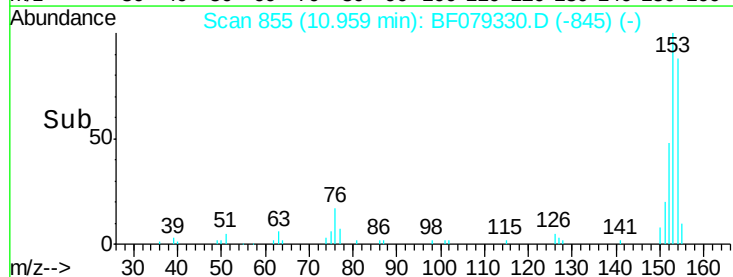
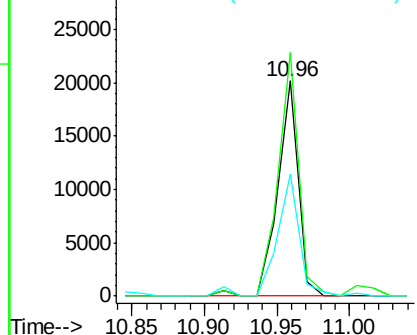


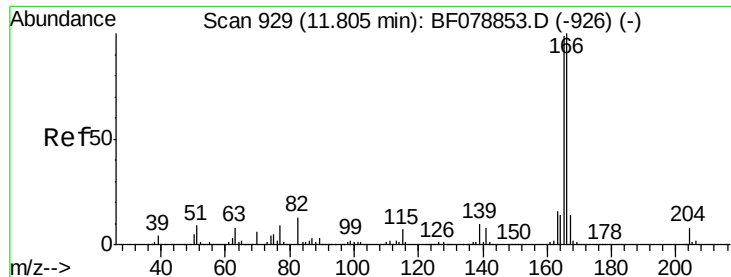
#51
Acenaphthene
Concen: 3.17 ng
RT: 10.96 min Scan# 855
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

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

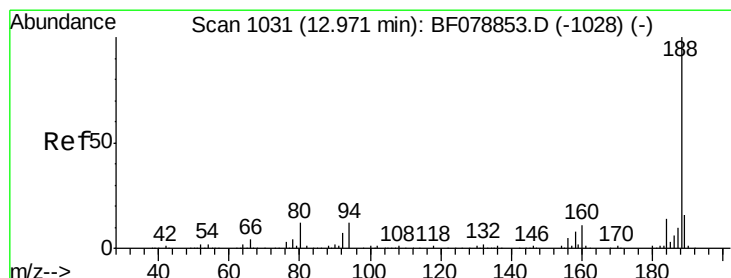
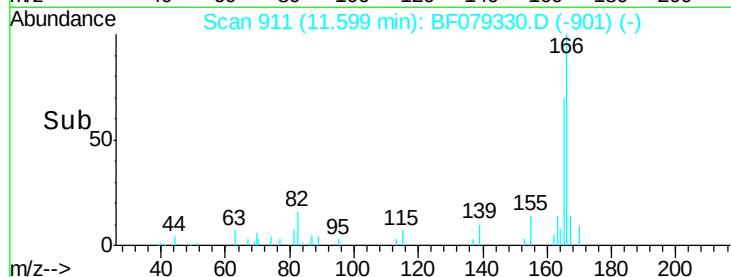
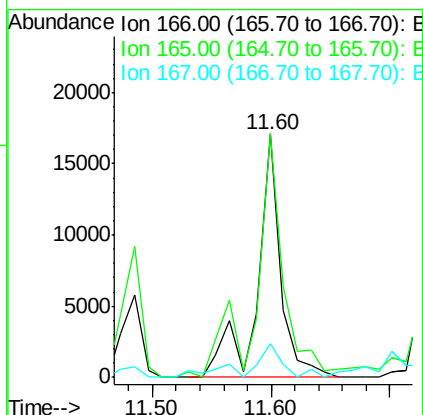
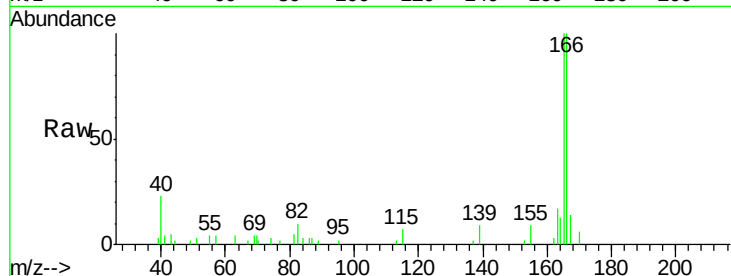




#57
 Fluorene
 Concen: 3.20 ng
 RT: 11.60 min Scan# 911
 Delta R.T. -0.00 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

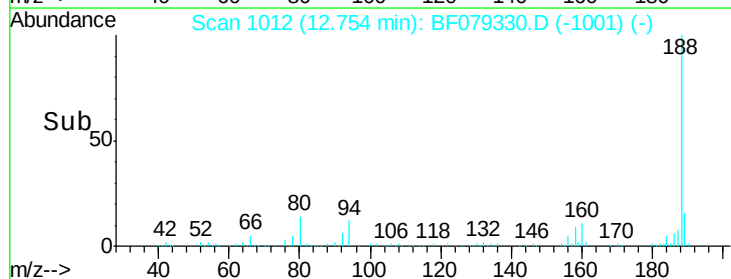
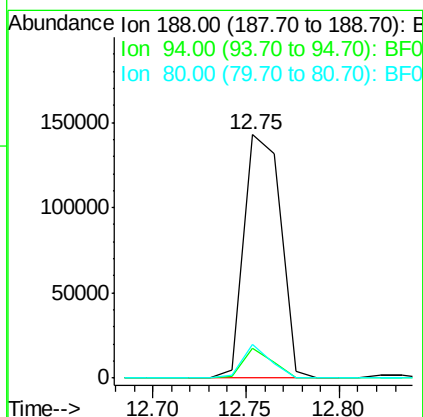
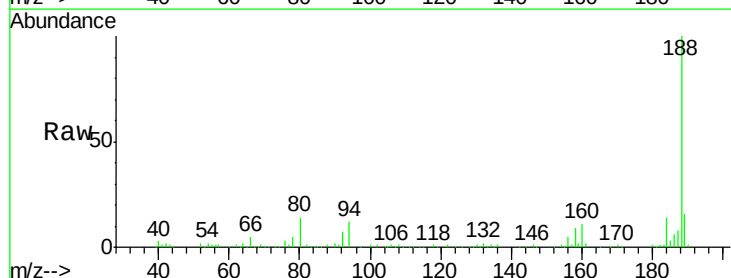
Instrument :
 BNA_F
 ClientSampleId :
 WC-01-D1

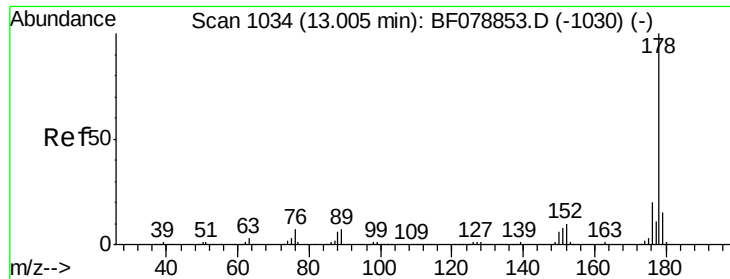
Tgt Ion:166 Resp: 23648
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.5 119.3
 167 14.1 11.0 16.6



#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

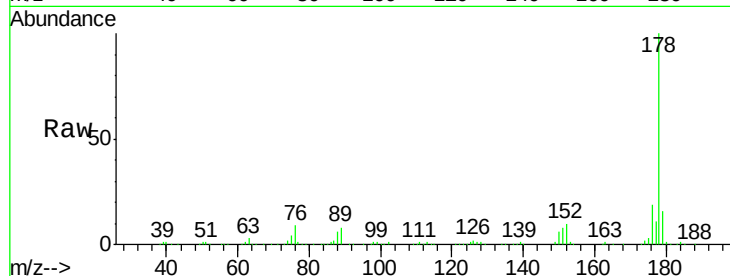




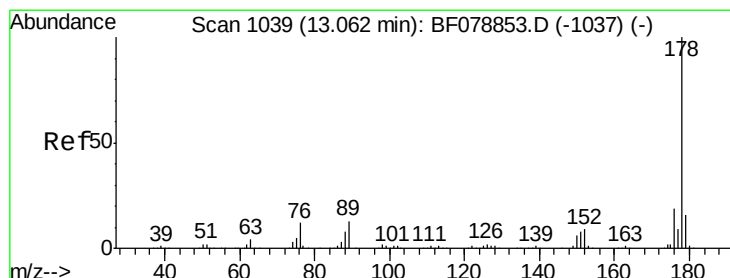
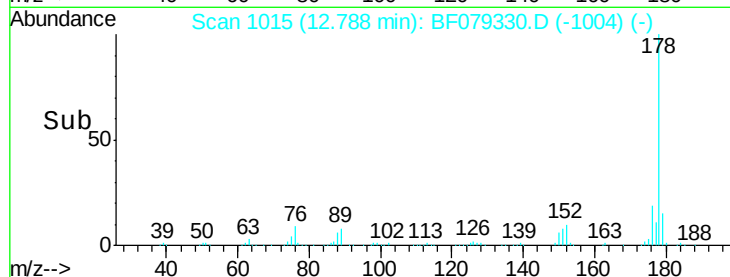
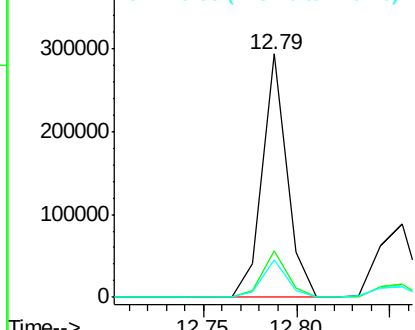
#70
Phenanthrene
Concen: 24.71 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Instrument :
BNA_F
ClientSampleId :
WC-01-D1

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

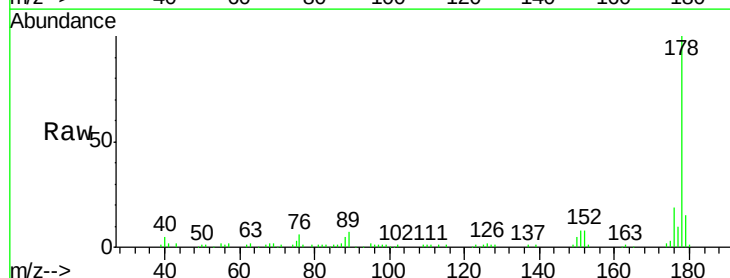


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

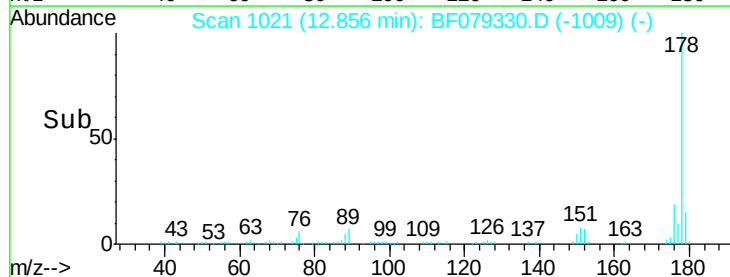
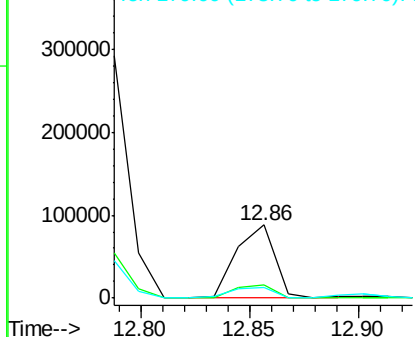


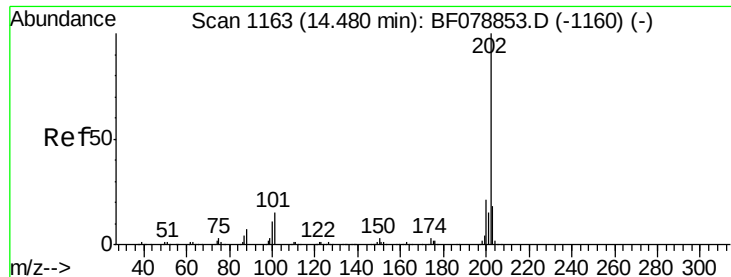
#71
Anthracene
Concen: 9.98 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

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

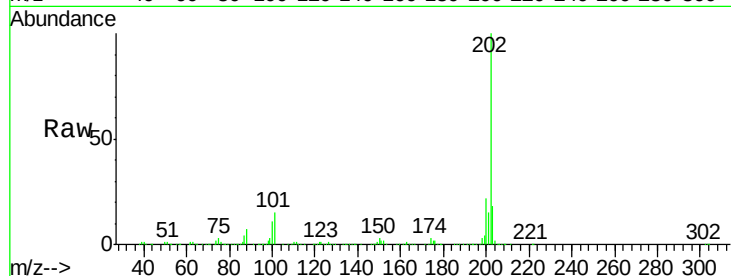
Tgt Ion:202 Resp: 524809

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.7

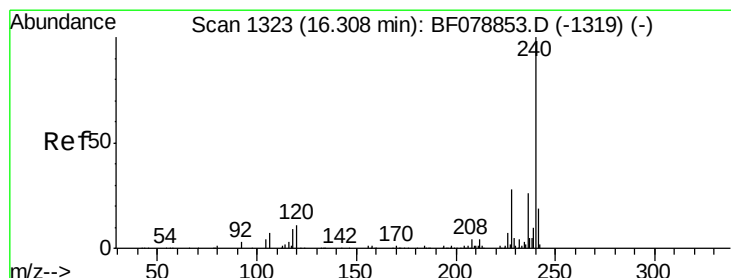
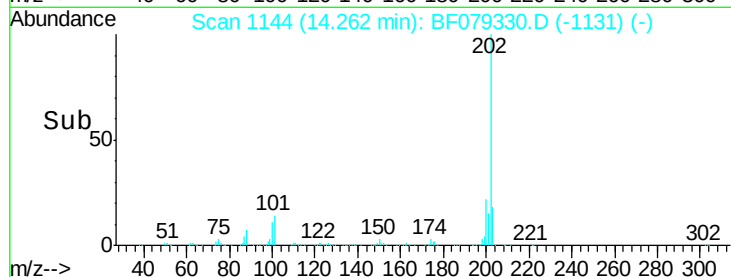
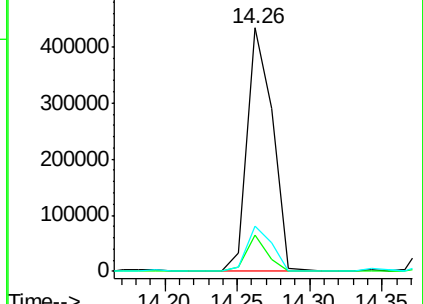
203 18.4 0.0 37.9



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

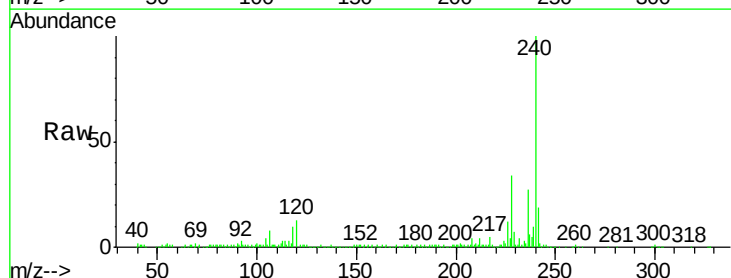
Tgt Ion:240 Resp: 201626

Ion Ratio Lower Upper

240 100

120 12.7 8.6 12.8

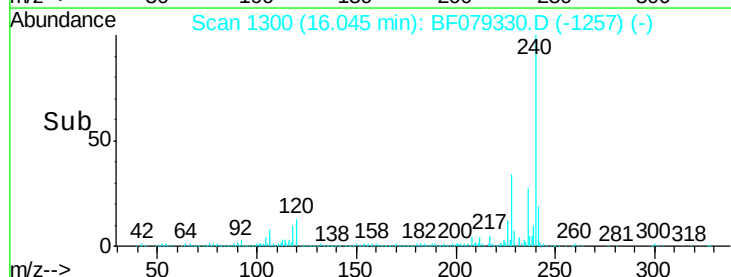
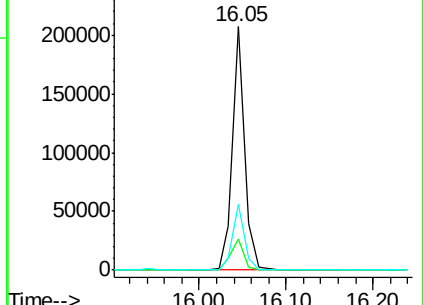
236 26.8 21.0 31.6

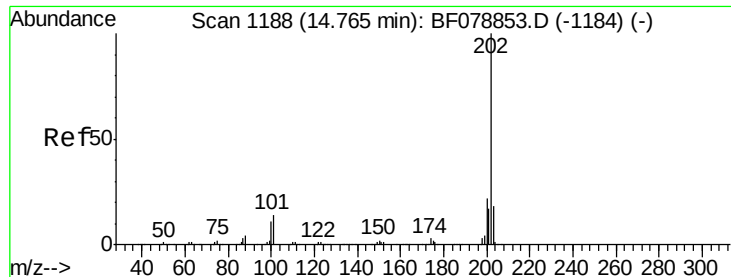


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

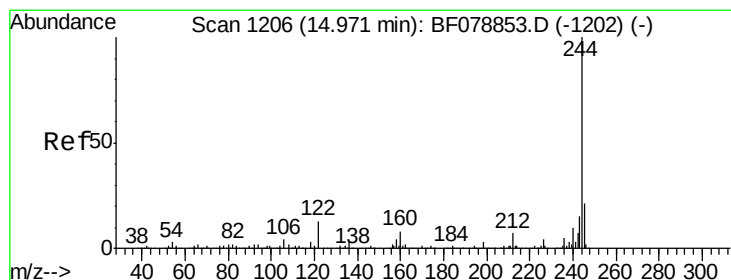
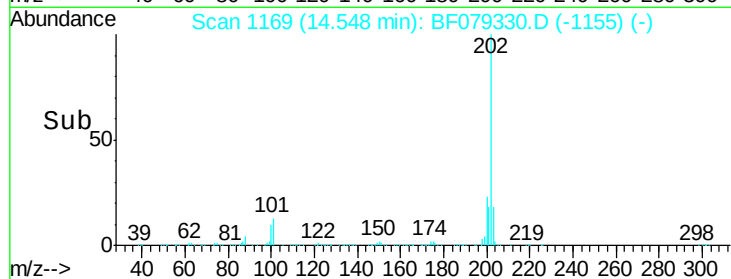
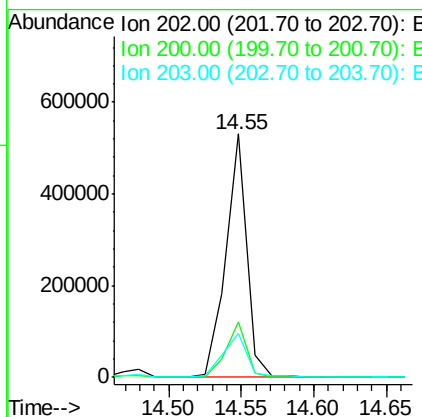
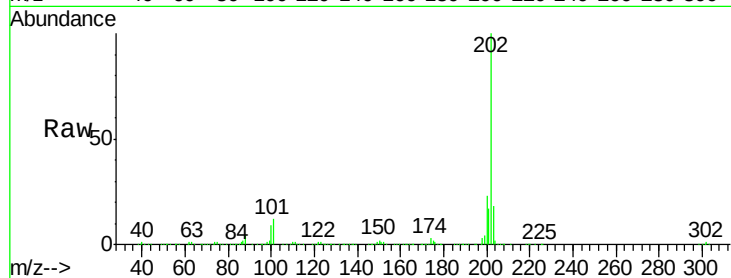




#77
 Pyrene
 Concen: 45.41 ng
 RT: 14.55 min Scan# 1169
 Delta R.T. 0.01 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

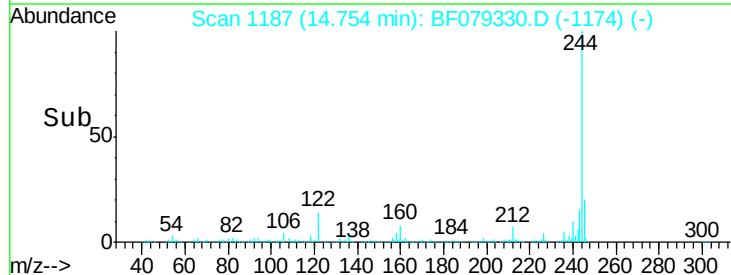
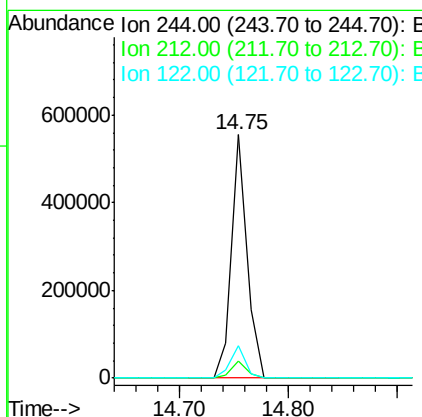
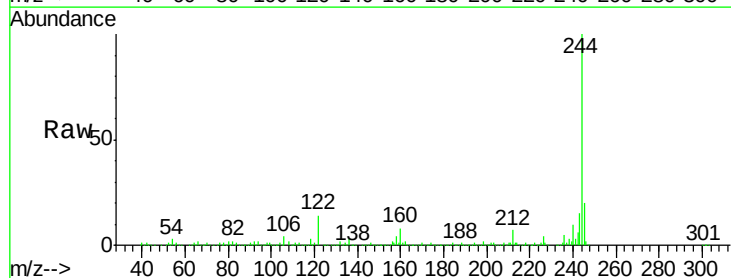
Instrument :
 BNA_F
 ClientSampleId :
 WC-01-D1

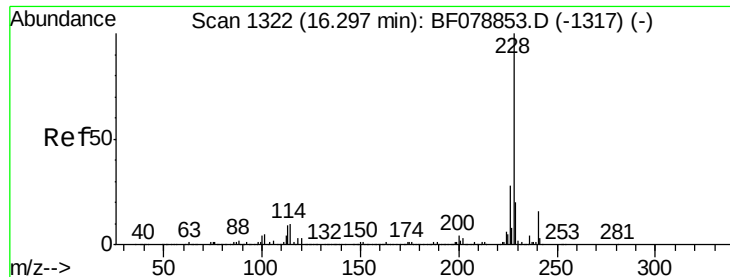
Tgt Ion: 202 Resp: 527644
 Ion Ratio Lower Upper
 202 100
 200 22.6 17.5 26.3
 203 18.1 14.7 22.1



#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: 22.81 ng

RT: 16.08 min Scan# 1303

Delta R.T. 0.03 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

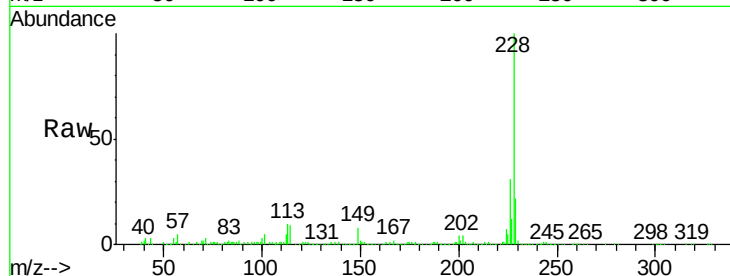
Tgt Ion:228 Resp: 251855

Ion Ratio Lower Upper

228 100

226 31.3 22.3 33.5

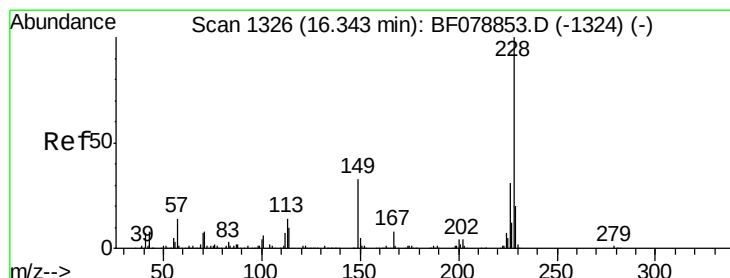
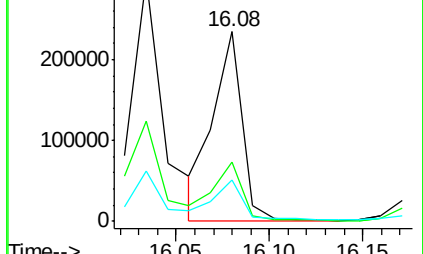
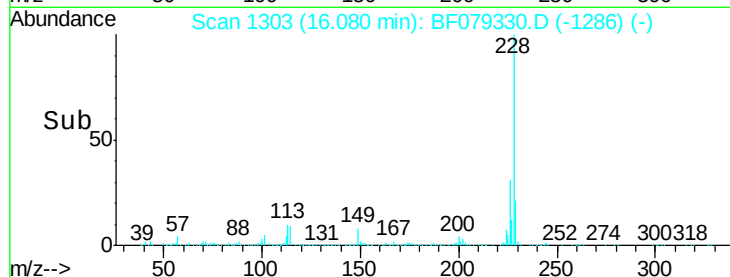
229 21.9 16.1 24.1



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



#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

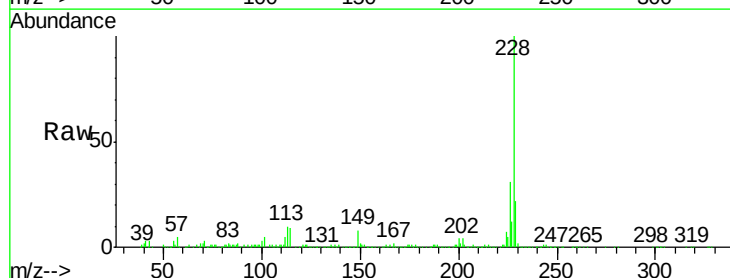
Tgt Ion:228 Resp: 251072

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

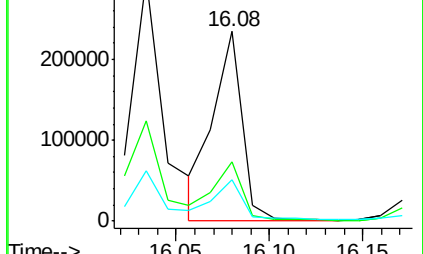
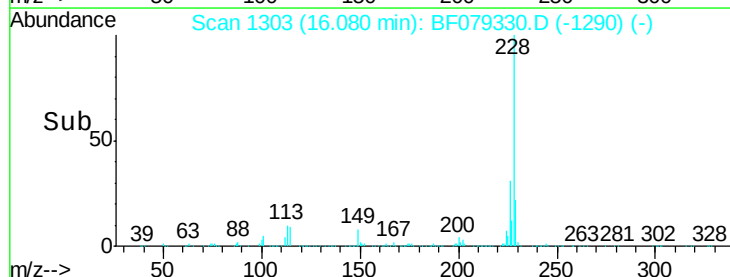
229 21.9 16.1 24.1

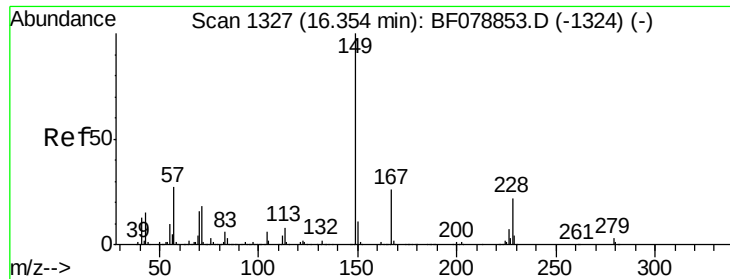


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

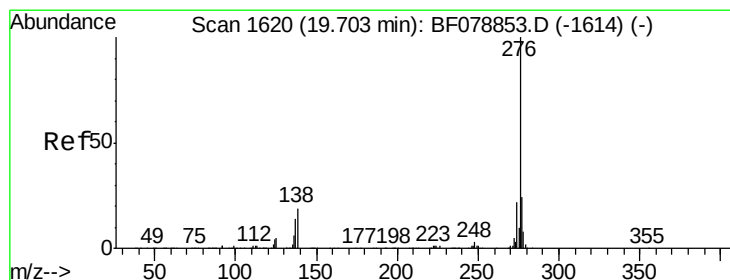
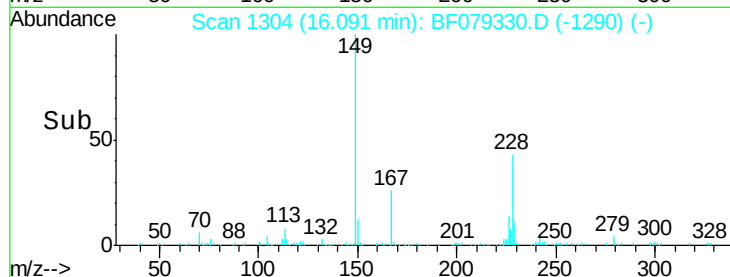
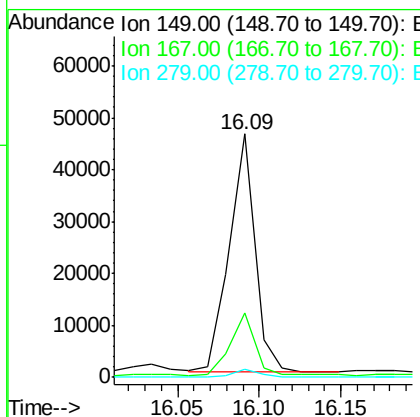
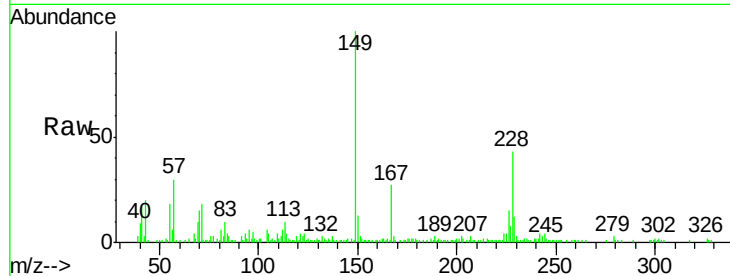




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 6.47 ng
 RT: 16.09 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF079330.D
 Acq: 19 May 2015 3:57

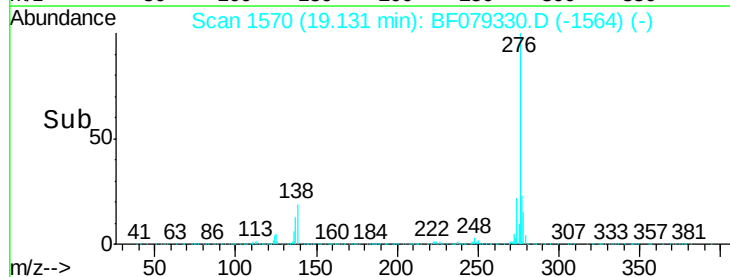
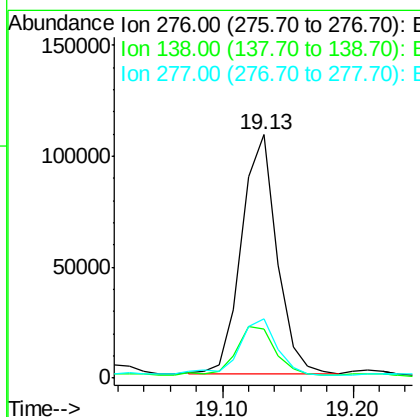
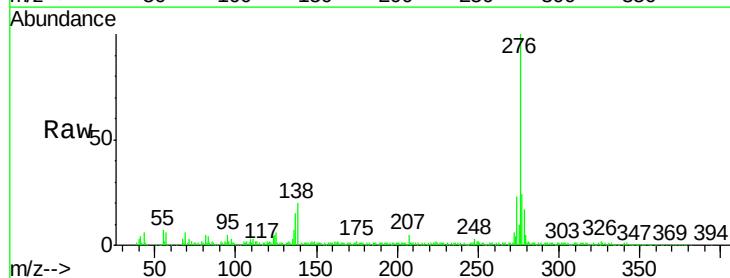
Instrument :
 BNA_F
 ClientSampleId :
 WC-01-D1

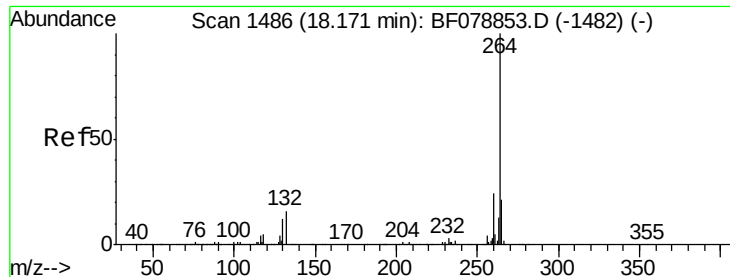
Tgt Ion:149 Resp: 49746
 Ion Ratio Lower Upper
 149 100
 167 26.6 21.2 31.8
 279 3.4 2.6 4.0



#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:276 Resp: 201601
 Ion Ratio Lower Upper
 276 100
 138 22.7 21.1 31.7
 277 25.3 19.9 29.9

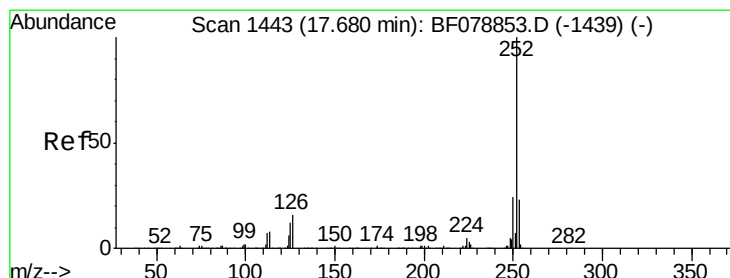
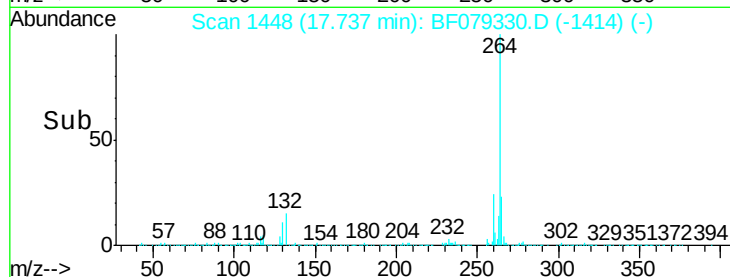
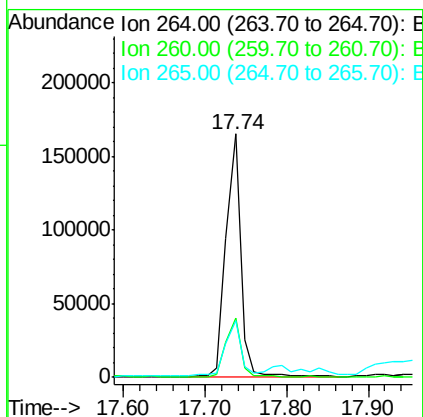
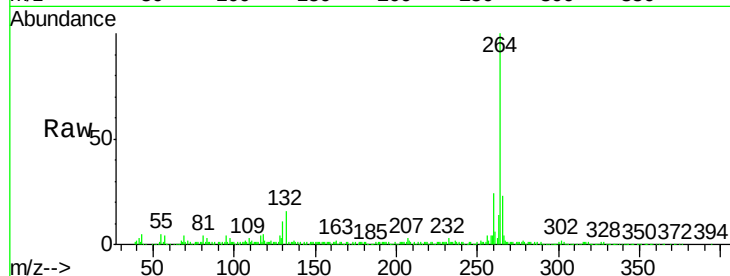




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.74 min Scan# 1448
Delta R.T. -0.11 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

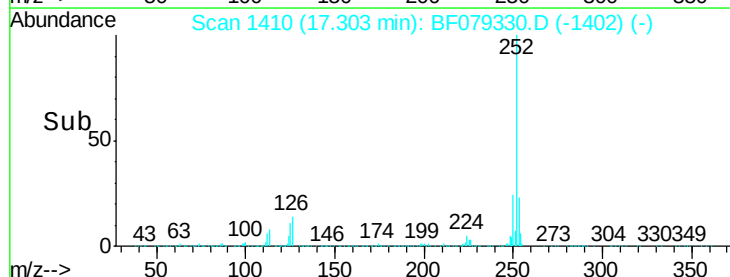
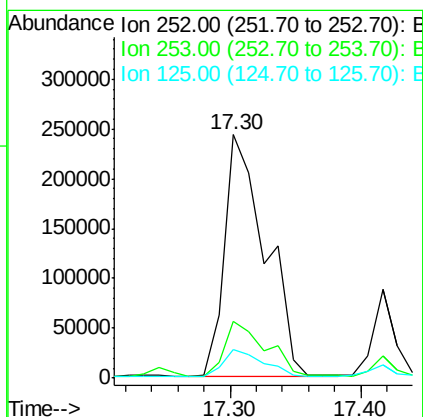
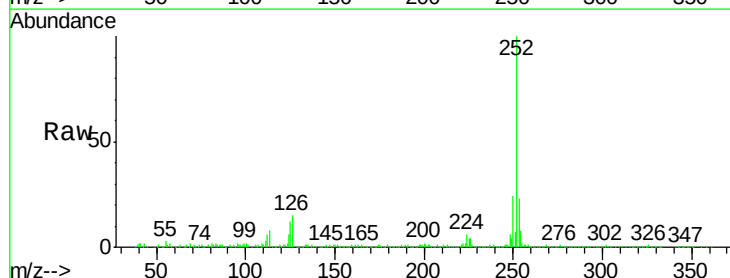
Instrument :
BNA_F
ClientSampleId :
WC-01-D1

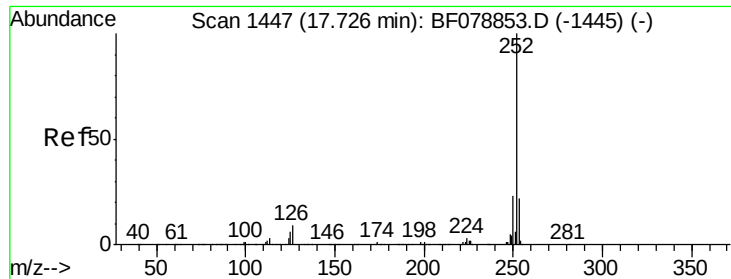
Tgt Ion: 264 Resp: 208383
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 23.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 46.89 ng
RT: 17.30 min Scan# 1410
Delta R.T. -0.09 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

Tgt Ion: 252 Resp: 534794
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 11.7 9.4 14.2

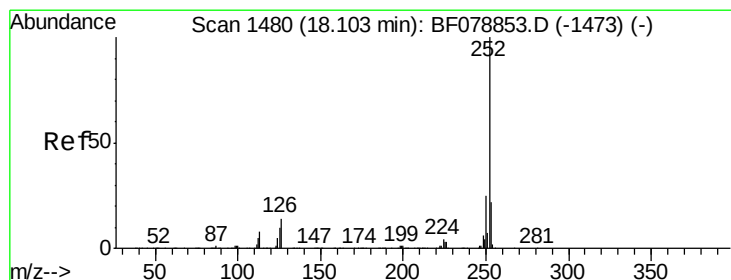
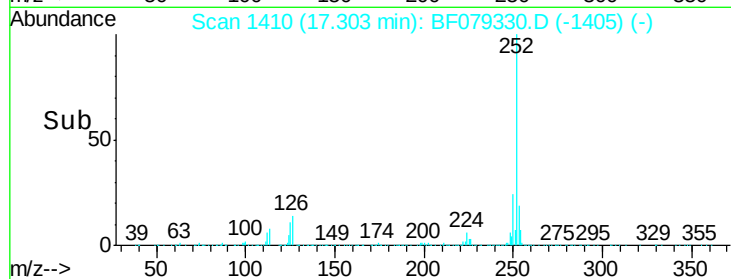
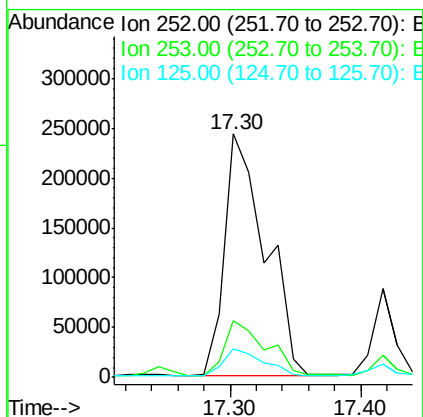
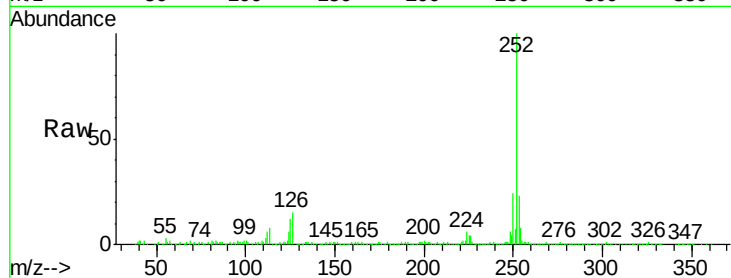




#88
Benzo(k)fluoranthene
Concen: 48.43 ng
RT: 17.30 min Scan# 1410
Delta R.T. -0.13 min
Lab File: BF079330.D
Acq: 19 May 2015 3:57

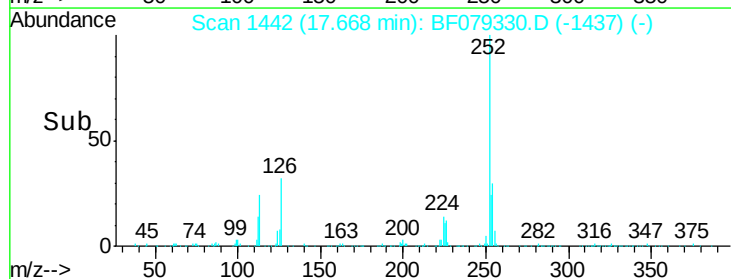
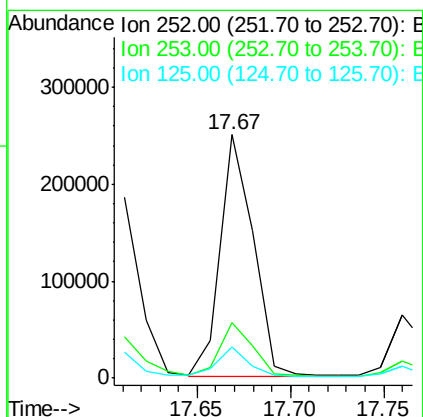
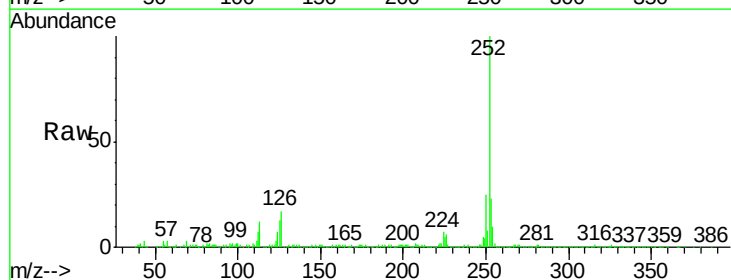
Instrument :
BNA_F
ClientSampleId :
WC-01-D1

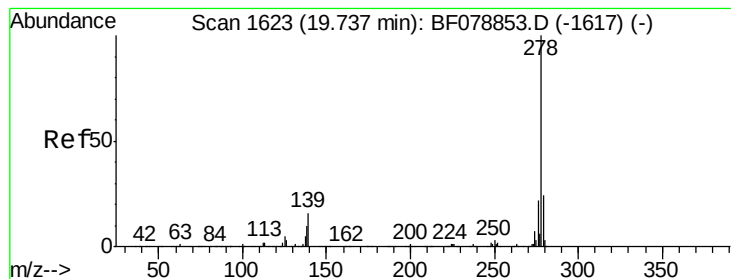
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	11.7	6.1	9.1#



#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	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: 3.96 ng

RT: 19.30 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

Instrument :

BNA_F

ClientSampleId :

WC-01-D1

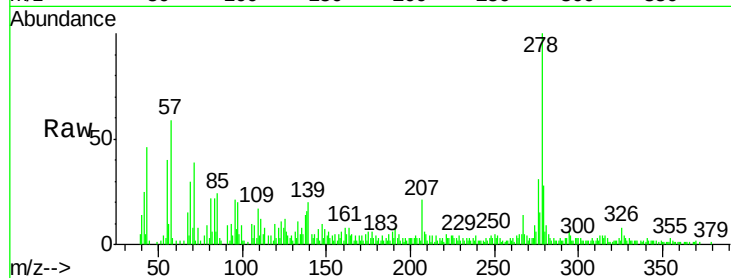
Tgt Ion:278 Resp: 44165

Ion Ratio Lower Upper

278 100

139 19.5 13.1 19.7

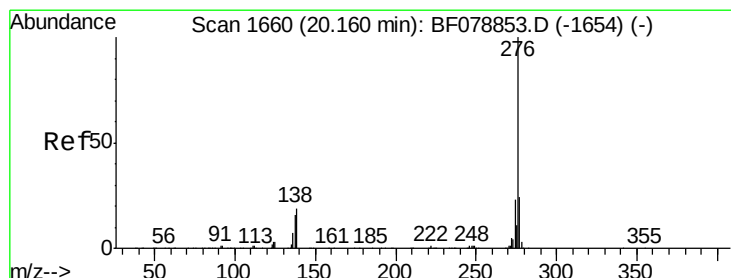
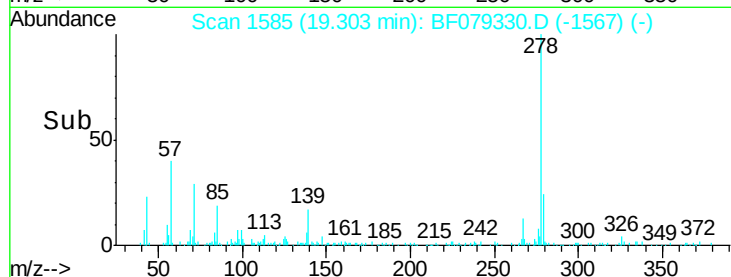
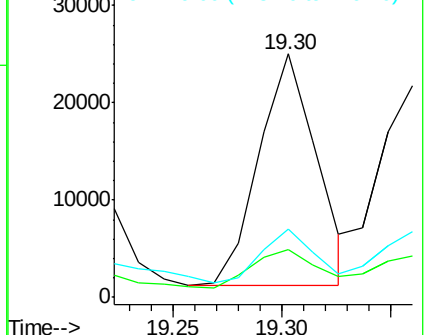
279 27.9 19.1 28.7



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

RT: 19.54 min Scan# 1606

Delta R.T. -0.15 min

Lab File: BF079330.D

Acq: 19 May 2015 3:57

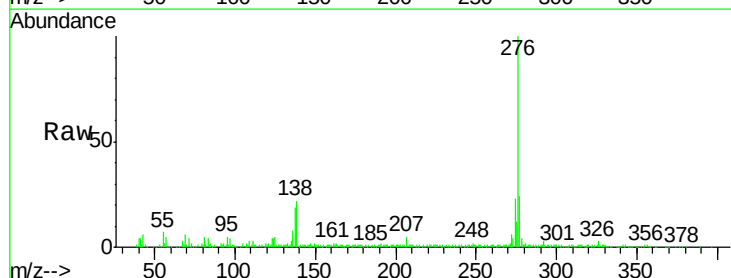
Tgt Ion:276 Resp: 200413

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

