

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079328.D
 Acq On : 19 May 2015 3:00
 Operator : TP/IZ
 Sample : G2273-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-D1

Quant Time: May 19 04:55:06 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

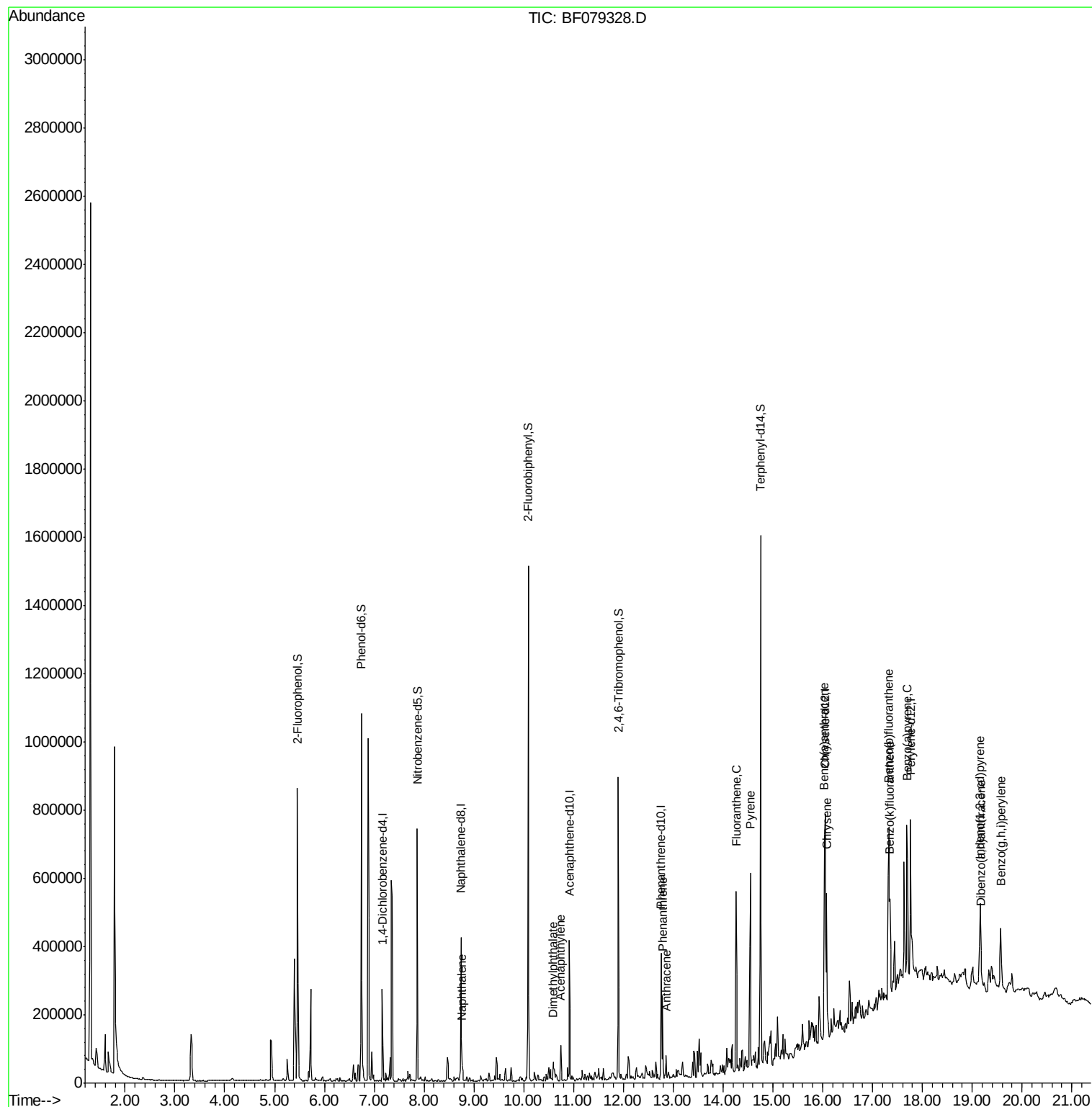
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	45474	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	189976	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	93576	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	184023	20.00	ng	0.00
75) Chrysene-d12	16.05	240	192985	20.00	ng	-0.01
86) Perylene-d12	17.76	264	207158	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	280105m	106.03	ng	0.01
7) Phenol-d6	6.74	99	371893	106.50	ng	0.00
23) Nitrobenzene-d5	7.86	82	223847	67.72	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	113097	111.72	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	451135	67.17	ng	0.00
78) Terphenyl-d14	14.75	244	526223	65.28	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.76	128	20533	2.27	ng	99
48) Acenaphthylene	10.74	152	42553	4.47	ng	99
49) Dimethylphthalate	10.59	163	25448	3.71	ng	100
70) Phenanthrene	12.79	178	92840	9.02	ng	100
71) Anthracene	12.86	178	33473	3.31	ng	99
74) Fluoranthene	14.26	202	261609	24.39	ng	99
77) Pyrene	14.55	202	270555	24.33	ng	98
80) Benzo(a)anthracene	16.03	228	232487m	22.00	ng	
82) Chrysene	16.08	228	177418	17.45	ng	97
85) Indeno(1,2,3-cd)pyrene	19.15	276	170336	13.15	ng	96
87) Benzo(b)fluoranthene	17.33	252	305432m	26.94	ng	
88) Benzo(k)fluoranthene	17.35	252	124360m	11.33	ng	
89) Benzo(a)pyrene	17.69	252	237127	22.71	ng	# 95
90) Dibenzo(a,h)anthracene	19.18	278	42211	3.80	ng	# 83
91) Benzo(a,h,i)perylene	19.58	276	157364	14.15	ng	96

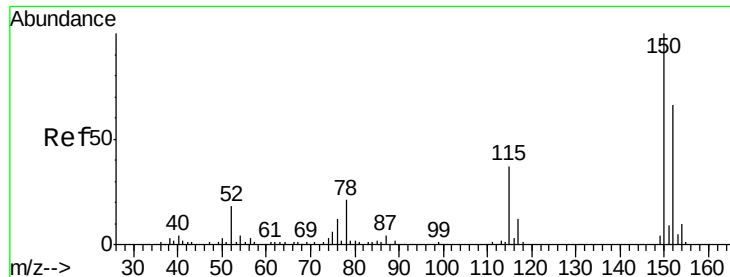
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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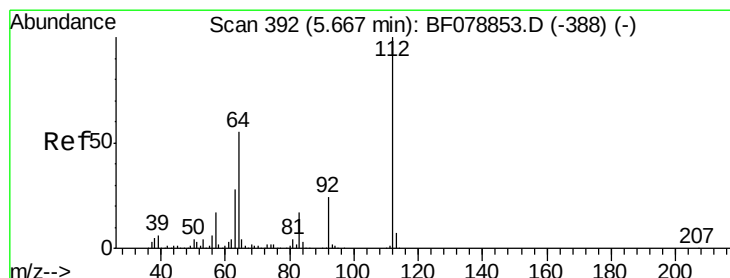
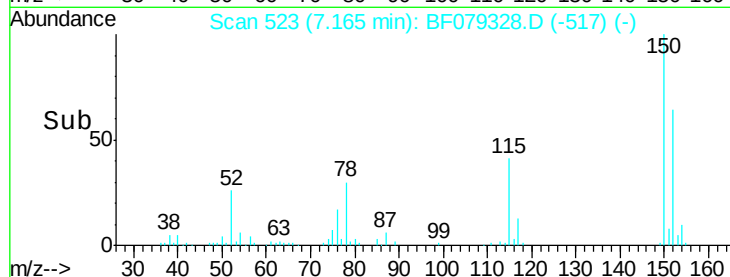
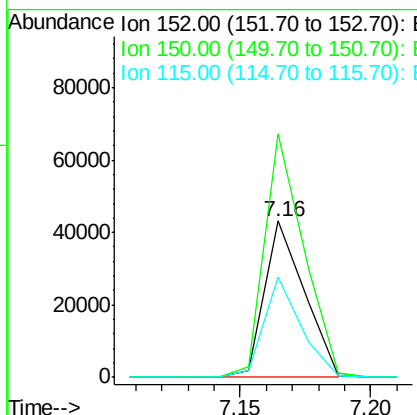
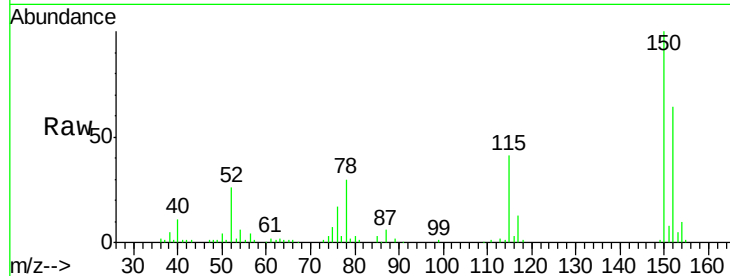




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079328.D
 Acq: 19 May 2015 3:00

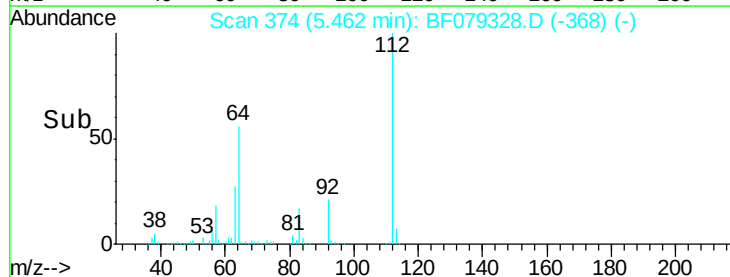
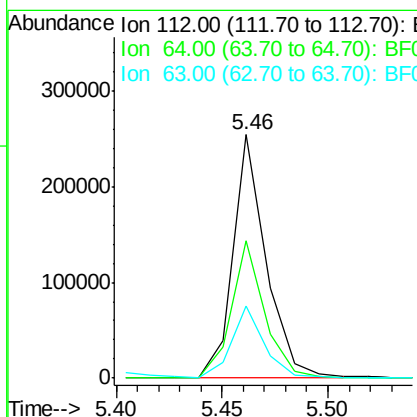
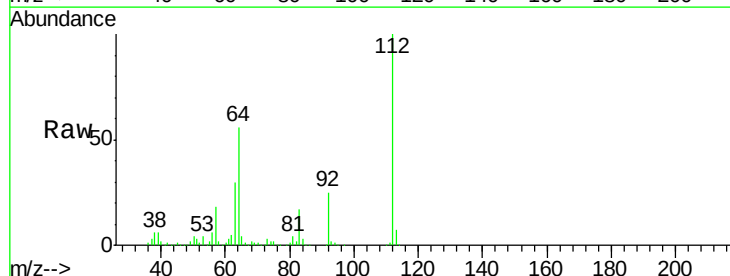
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 BNA_F
 ClientSampleId :
 WC-07-D1

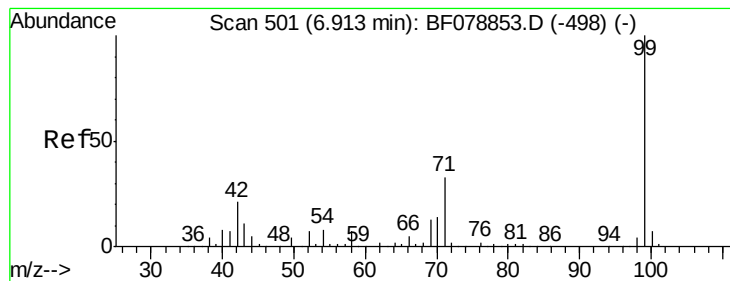
Tot Ion:152 Resp: 45474
 Ion Ratio Lower Upper
 152 100
 150 155.6 123.8 185.8
 115 64.2 49.4 74.0



#5
 2-Fluorophenol
 Concen: 106.03 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079328.D
 Acq: 19 May 2015 3:00

Tgt Ion:112 Resp: 280105
 Ion Ratio Lower Upper
 112 100
 64 56.2 44.2 66.2
 63 29.8 22.7 34.1





#7

Phenol-d6

Concen: 106.50 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079328.D

Acq: 19 May 2015 3:00

Instrument :

BNA_F

ClientSampleId :

WC-07-D1

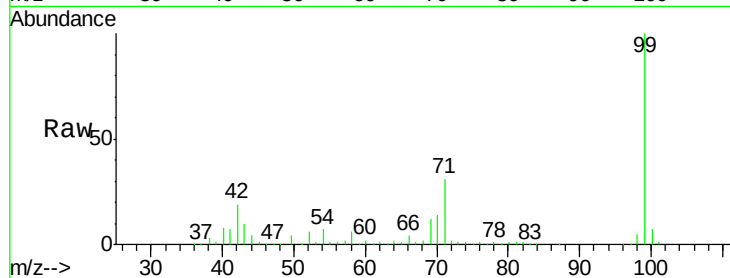
Tot Ion: 99 Resp: 371893

Ion Ratio Lower Upper

99 100

42 18.7 17.1 25.7

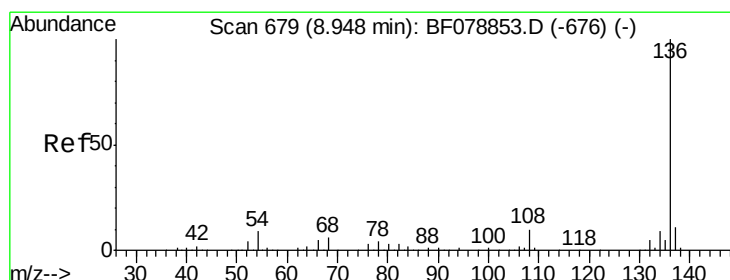
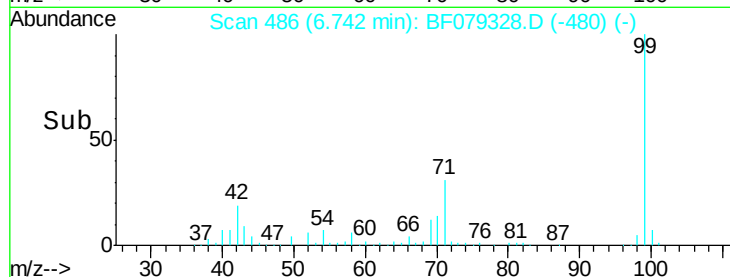
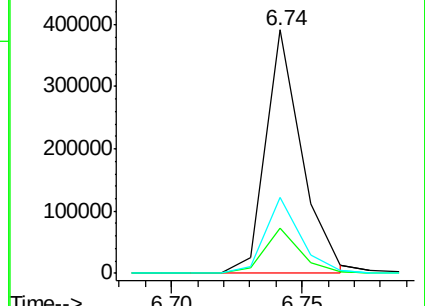
71 31.4 26.3 39.5



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: BF079328.D

Acq: 19 May 2015 3:00

Tgt Ion: 136 Resp: 189976

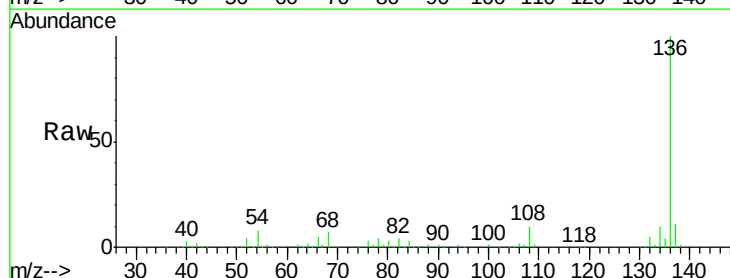
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 8.2 6.9 10.3

68 6.6 4.9 7.3

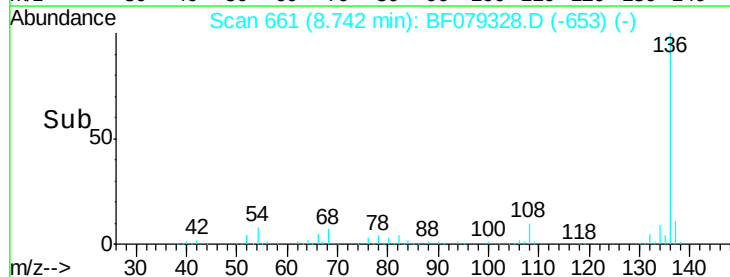
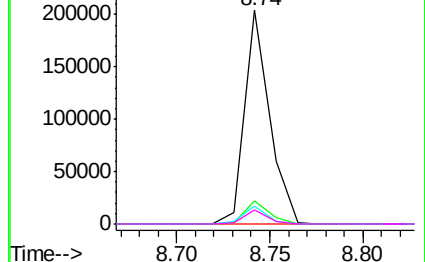


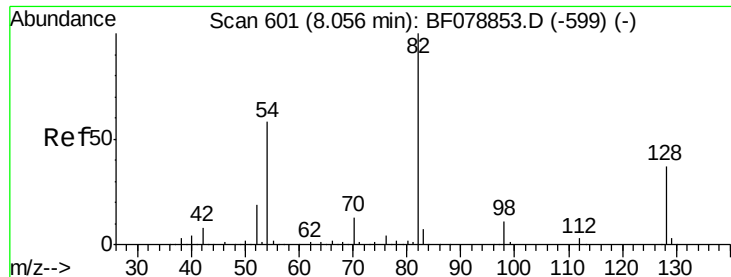
Abundance Ion 136.00 (135.70 to 136.70): E

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

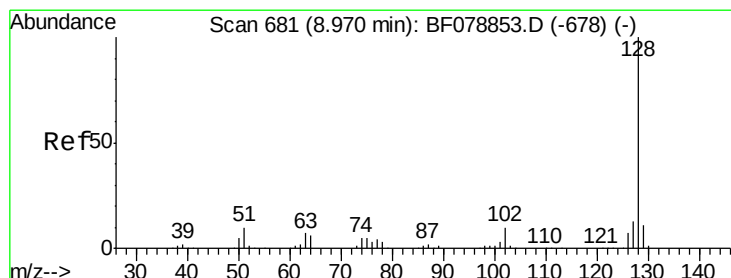
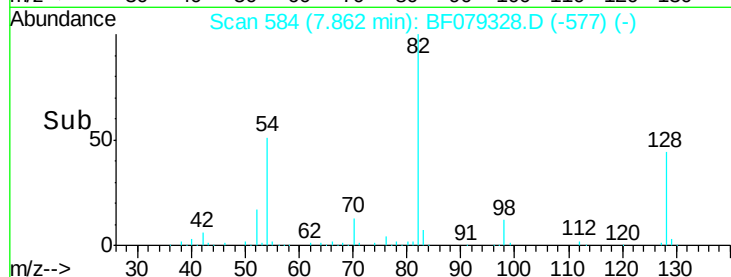
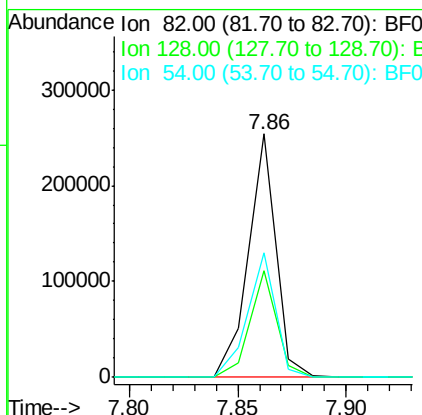
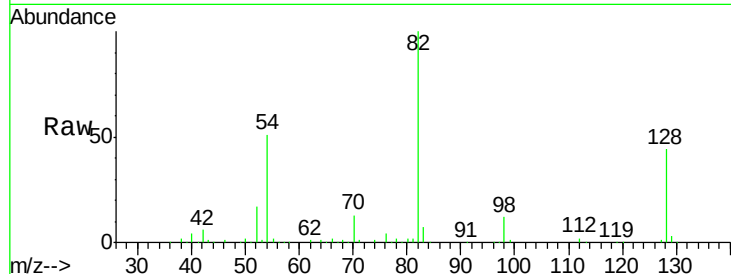




#23
 Nitrobenzene-d5
 Concen: 67.72 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: BF079328.D
 Acq: 19 May 2015 3:00

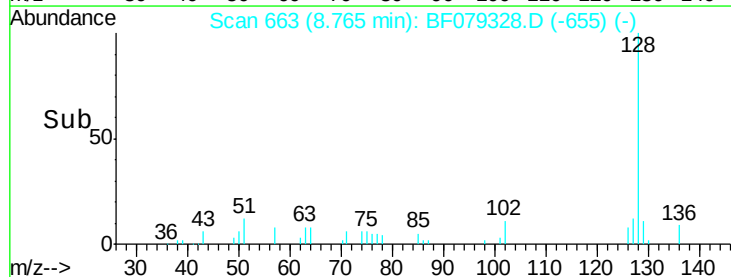
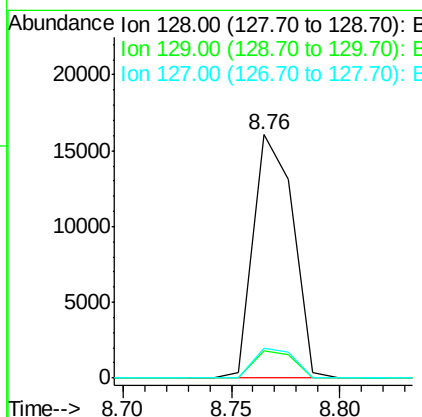
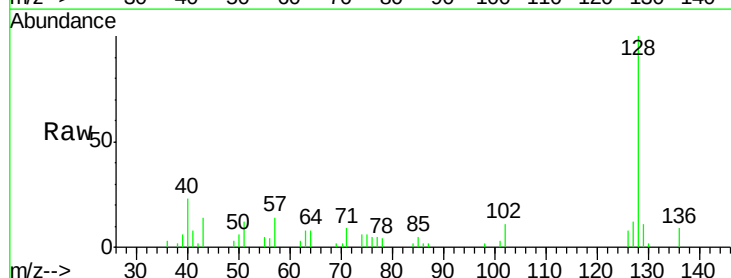
Instrument :
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 WC-07-D1

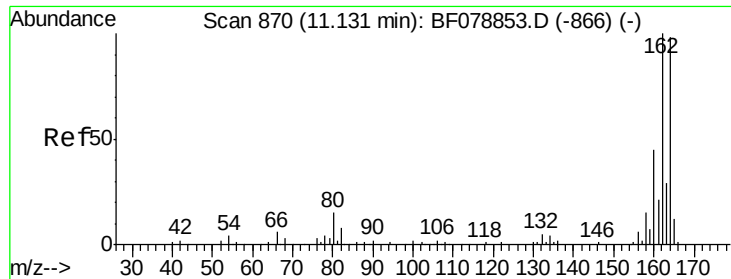
Tot Ion: 82 Resp: 223847
 Ion Ratio Lower Upper
 82 100
 128 44.0 29.7 44.5
 54 51.1 46.2 69.4



#31
 Naphthalene
 Concen: 2.27 ng
 RT: 8.76 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF079328.D
 Acq: 19 May 2015 3:00

Tgt Ion: 128 Resp: 20533
 Ion Ratio Lower Upper
 128 100
 129 11.4 9.2 13.8
 127 12.4 10.3 15.5

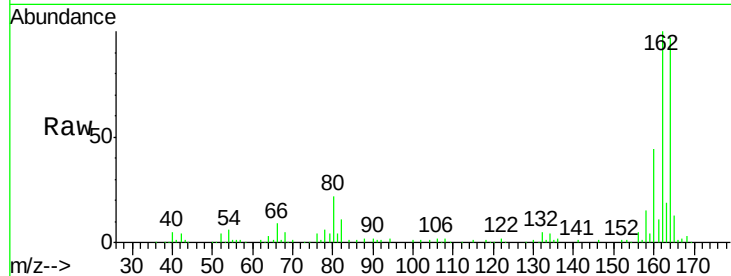




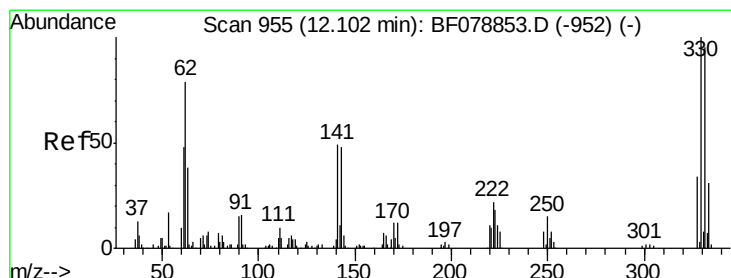
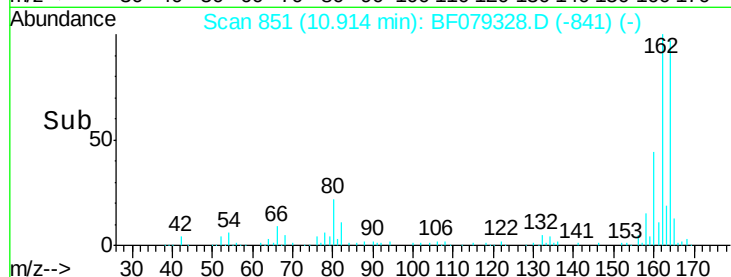
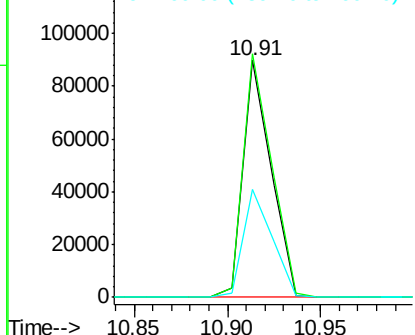
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Instrument :
BNA_F
ClientSampleId :
WC-07-D1

Tot Ion:164 Resp: 93576
Ion Ratio Lower Upper
164 100
162 102.7 81.4 122.0
160 45.5 36.6 54.8

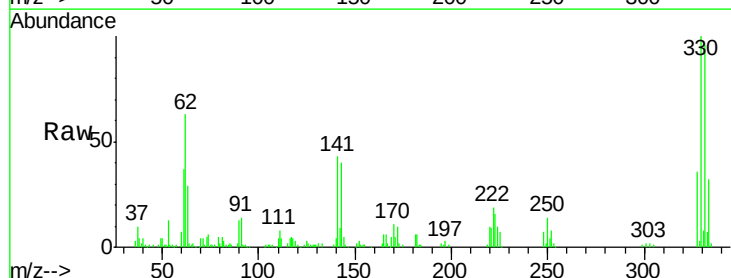


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

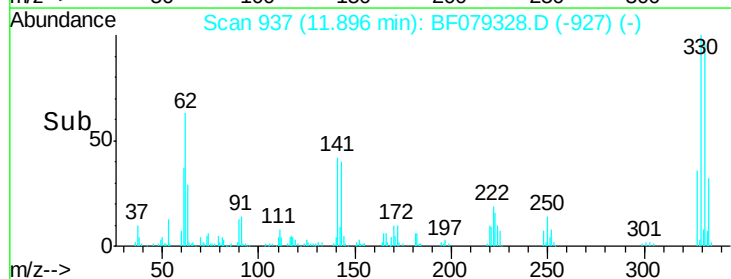
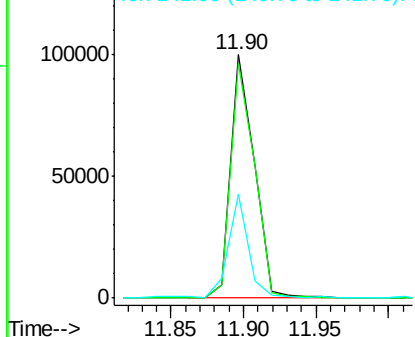


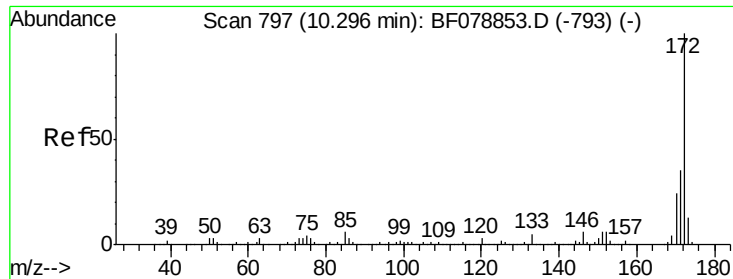
#41
2,4,6-Tribromophenol
Concen: 111.72 ng
RT: 11.90 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Tgt Ion:330 Resp: 113097
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 38.7 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

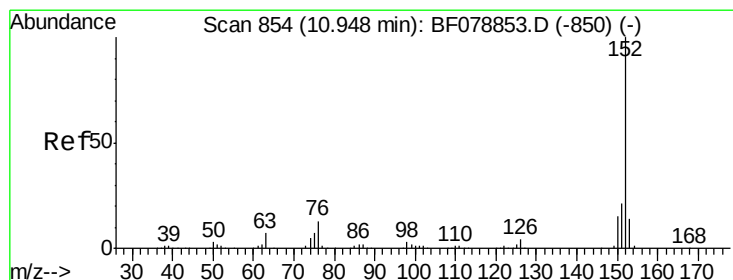
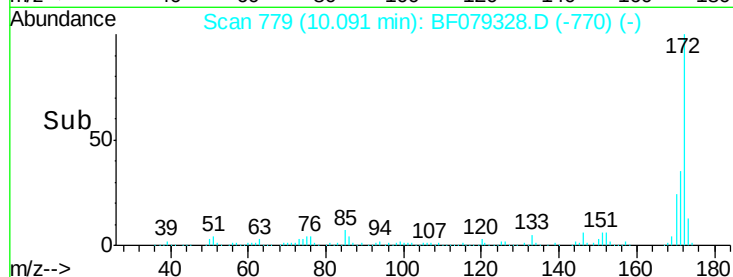
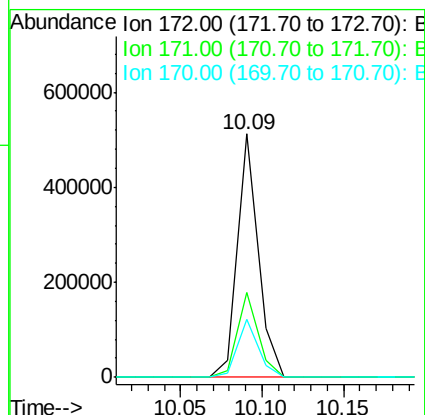
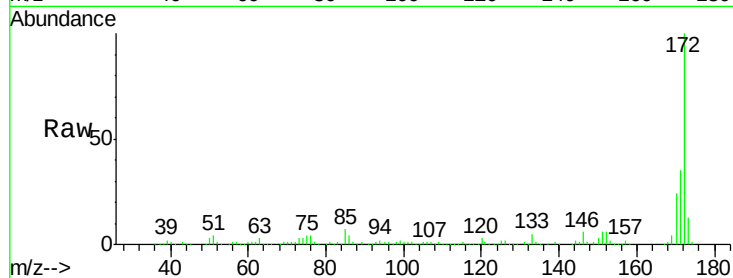




#44
2-Fluorobiphenyl
Concen: 67.17 ng
RT: 10.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

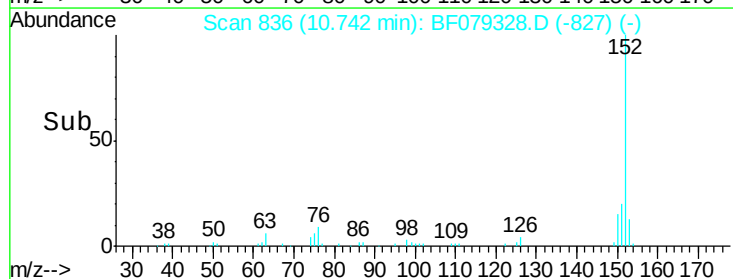
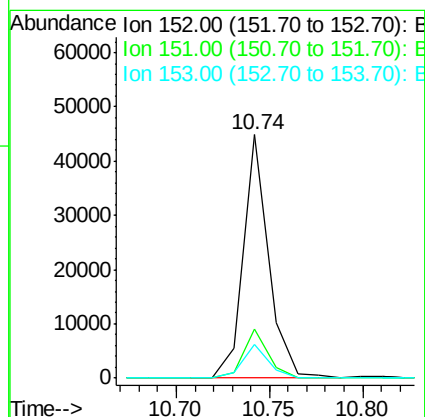
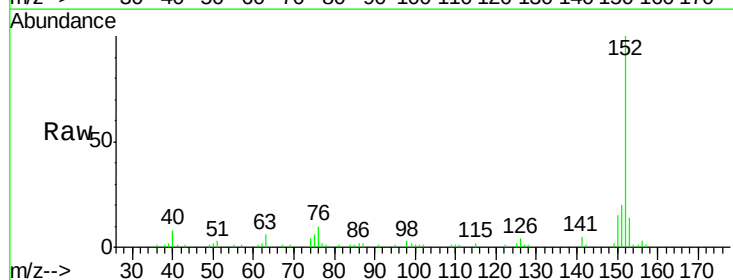
Instrument :
BNA_F
ClientSampleId :
WC-07-D1

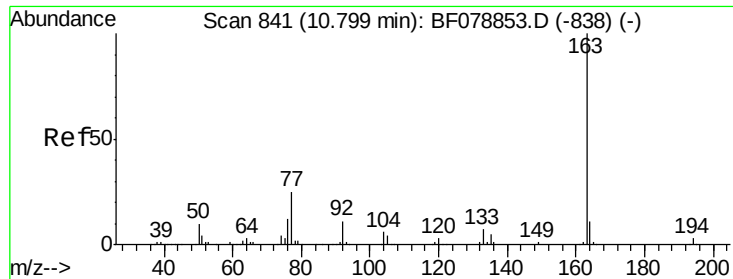
Tot Ion:172 Resp: 451135
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.7 19.4 29.2



#48
Acenaphthylene
Concen: 4.47 ng
RT: 10.74 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Tgt Ion:152 Resp: 42553
Ion Ratio Lower Upper
152 100
151 20.1 16.6 24.8
153 13.8 11.0 16.6

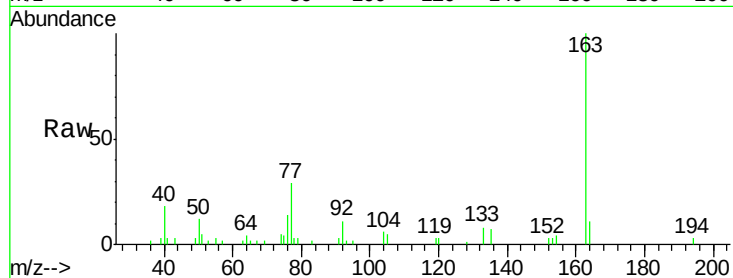




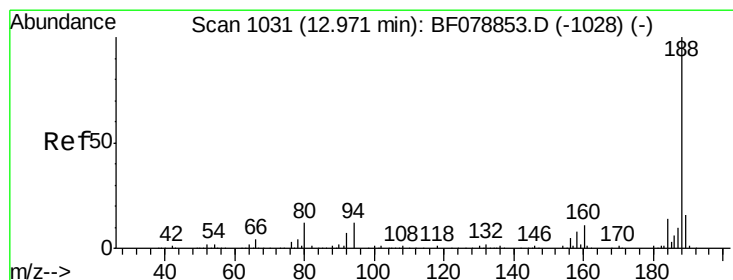
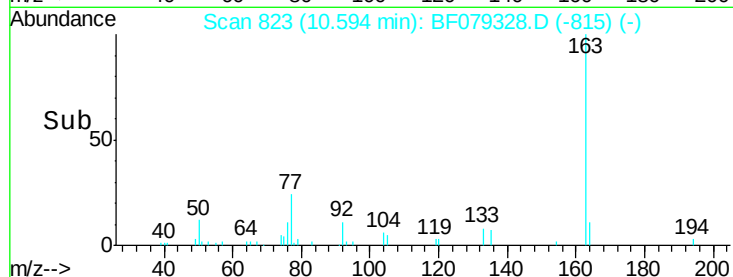
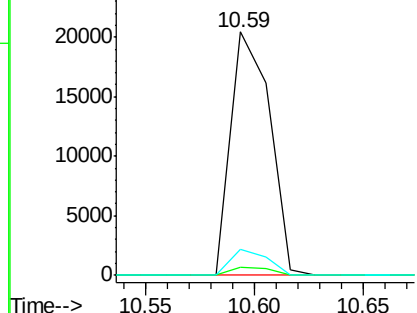
#49
Dimethylphthalate
Concen: 3.71 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Instrument :
BNA_F
ClientSampleId :
WC-07-D1

Tot Ion:163 Resp: 25448
Ion Ratio Lower Upper
163 100
194 3.1 2.4 3.6
164 10.6 8.6 12.8

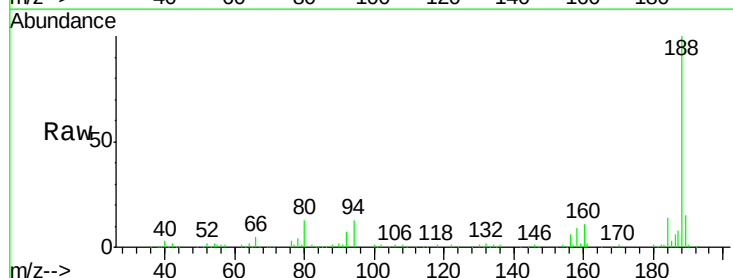


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

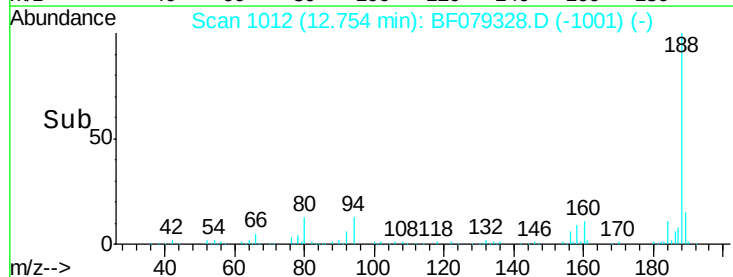
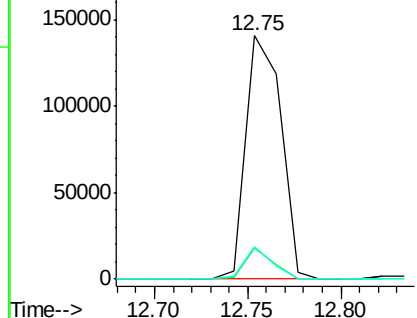


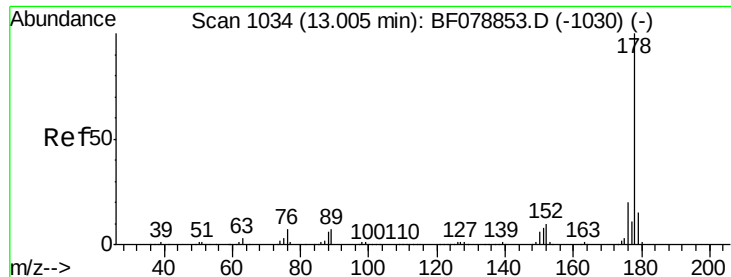
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.75 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Tgt Ion:188 Resp: 184023
Ion Ratio Lower Upper
188 100
94 12.6 9.4 14.0
80 13.1 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

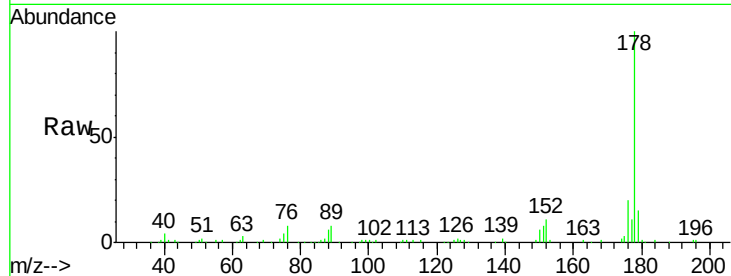




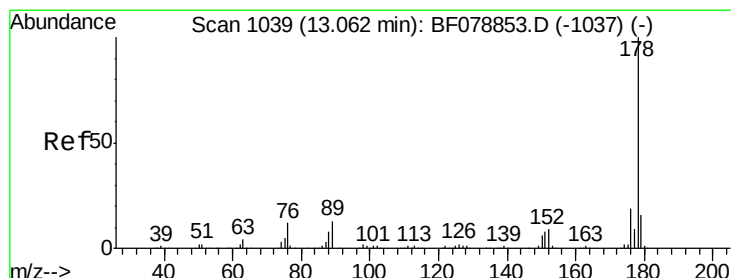
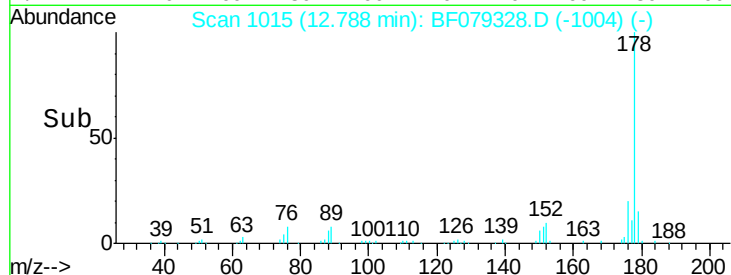
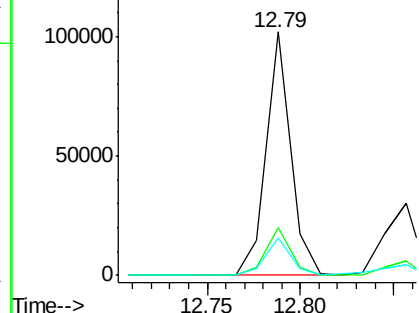
#70
Phenanthrene
Concen: 9.02 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.00 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Instrument :
BNA_F
ClientSampleId :
WC-07-D1

Tot Ion:178 Resp: 92840
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.2 12.2 18.4

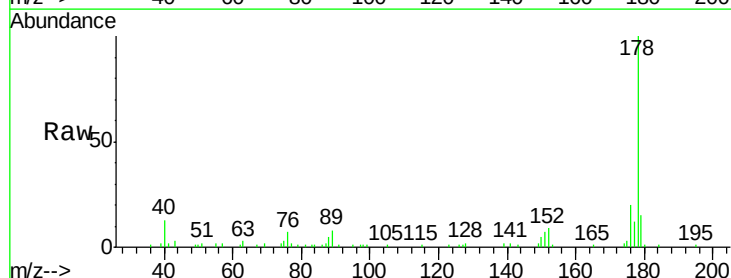


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

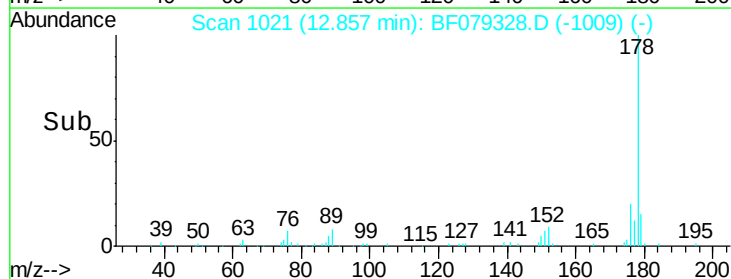
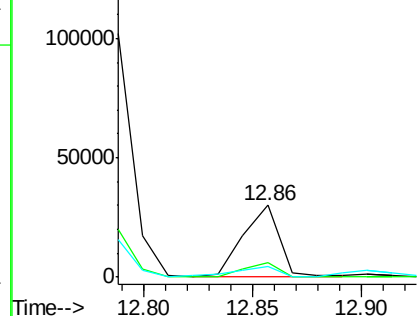


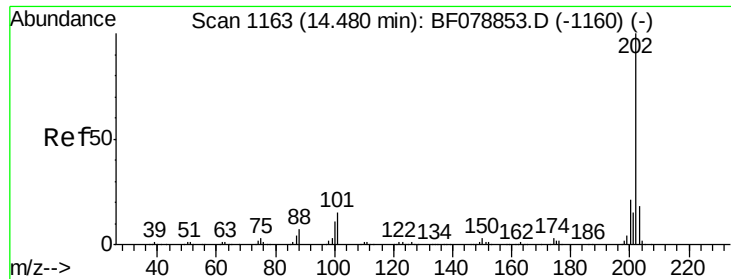
#71
Anthracene
Concen: 3.31 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Tgt Ion:178 Resp: 33473
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.1 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: 24.39 ng

RT: 14.26 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF079328.D

Acq: 19 May 2015 3:00

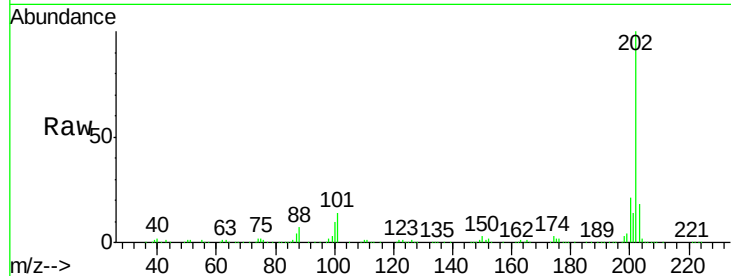
Instrument :

BNA_F

ClientSampleId :

WC-07-D1

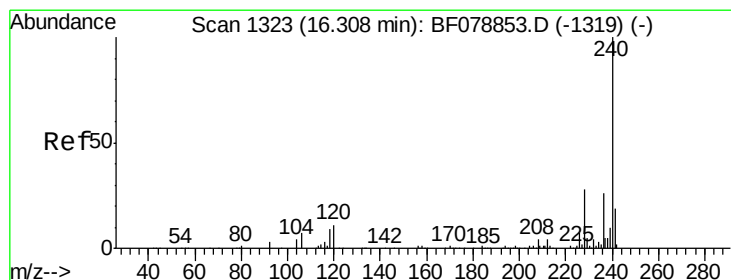
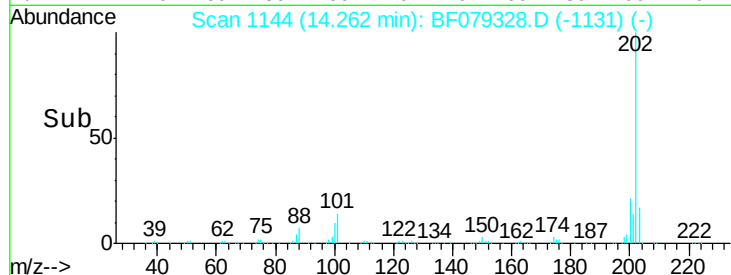
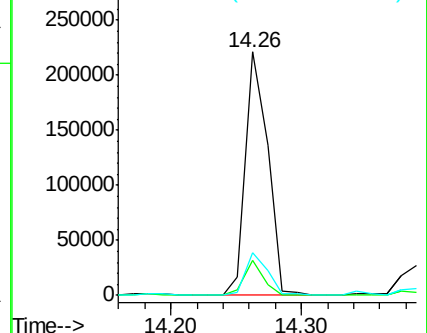
Tot Ion:	202	Resp:	261609
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	34.7
203	17.6	0.0	37.9



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

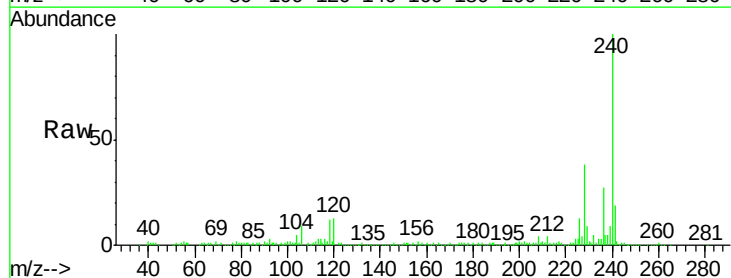
RT: 16.05 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF079328.D

Acq: 19 May 2015 3:00

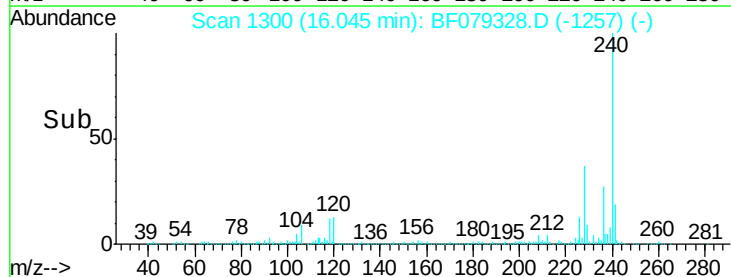
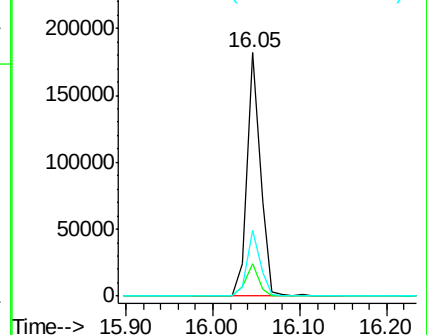
Tgt Ion:	240	Resp:	192985
Ion Ratio	Lower	Upper	
240	100		
120	13.3	8.6	12.8#
236	27.0	21.0	31.6

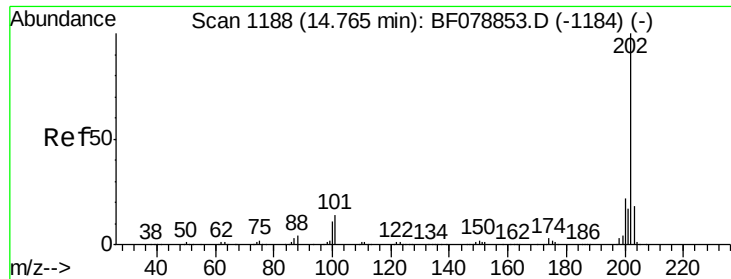


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 24.33 ng

RT: 14.55 min Scan# 1169

Delta R.T. 0.01 min

Lab File: BF079328.D

Acq: 19 May 2015 3:00

Instrument :

BNA_F

ClientSampleId :

WC-07-D1

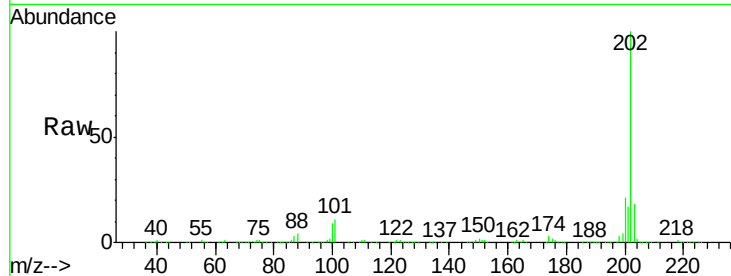
Tot Ion:202 Resp: 270555

Ion Ratio Lower Upper

202 100

200 21.2 17.5 26.3

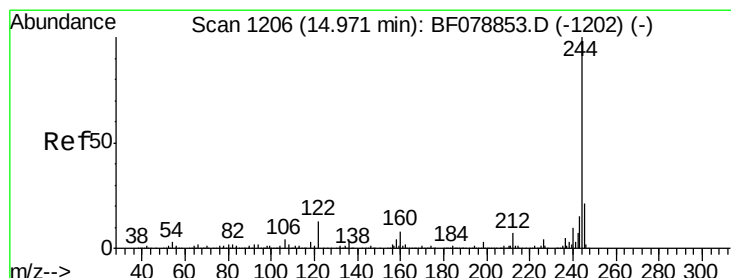
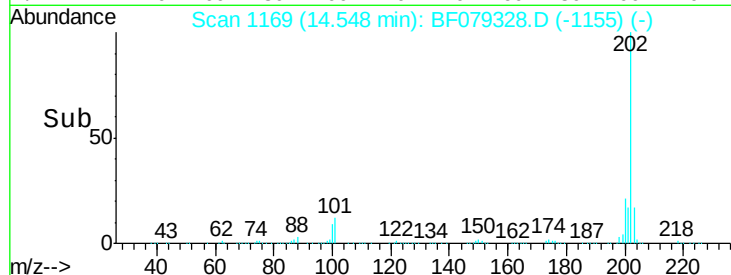
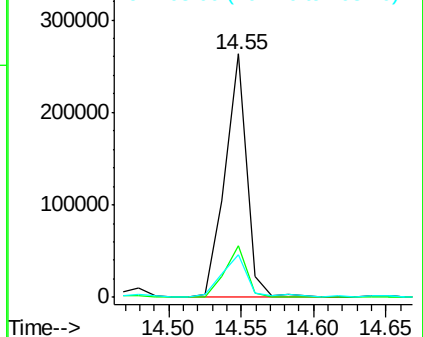
203 17.6 14.7 22.1



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: 65.28 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079328.D

Acq: 19 May 2015 3:00

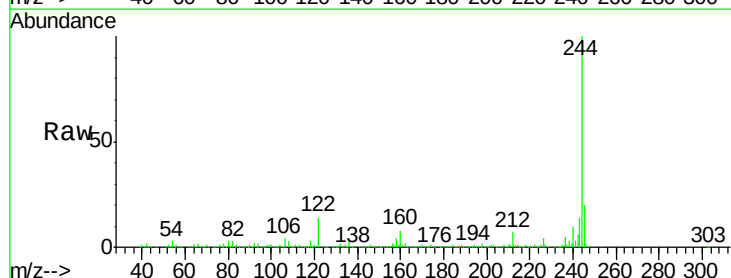
Tgt Ion:244 Resp: 526223

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

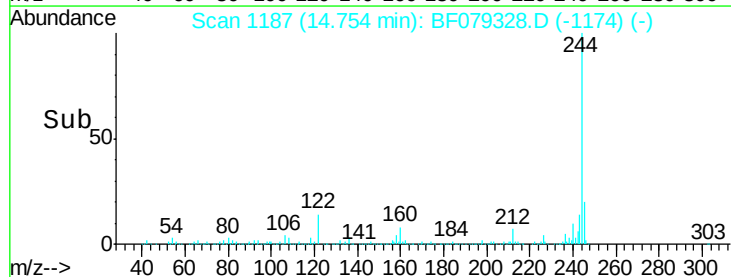
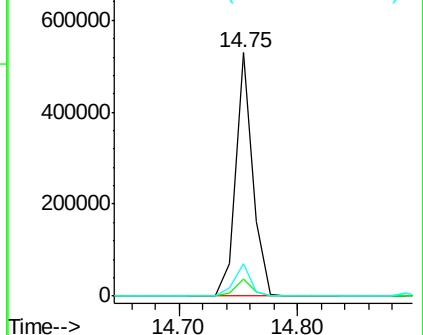
122 13.6 10.5 15.7

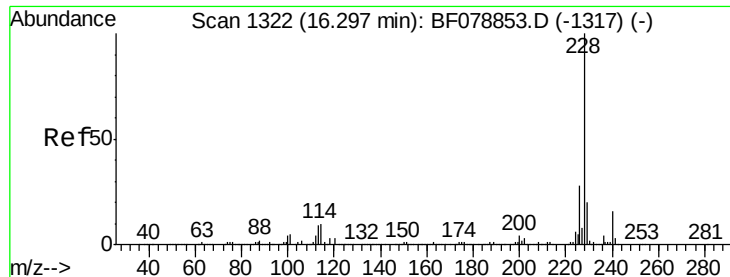


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 22.00 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079328.D

Acq: 19 May 2015 3:00

Instrument :

BNA_F

ClientSampled :

WC-07-D1

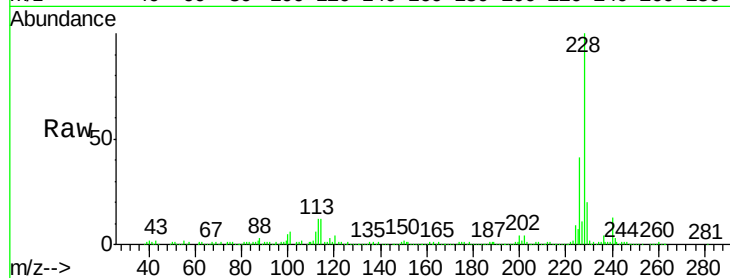
Tot Ion:228 Resp: 232487

Ion Ratio Lower Upper

228 100

226 41.1 22.3 33.5#

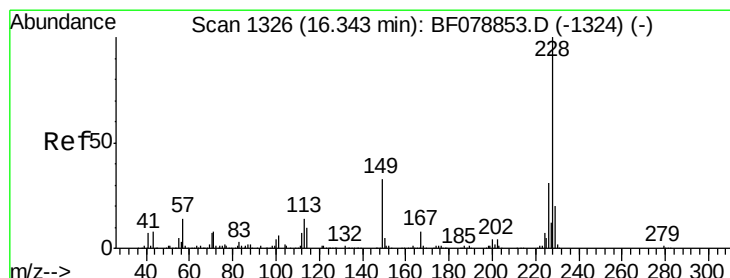
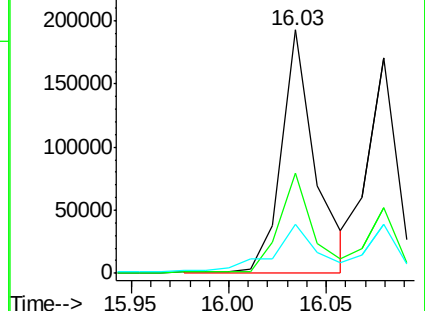
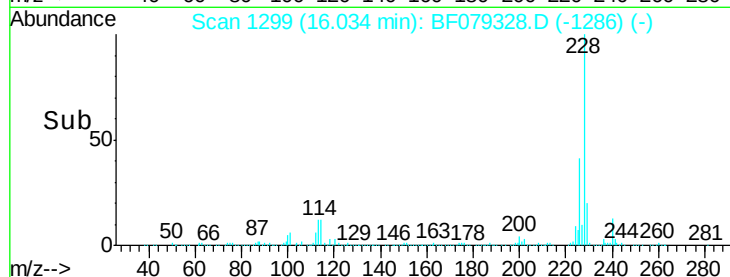
229 20.1 16.1 24.1



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: 17.45 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF079328.D

Acq: 19 May 2015 3:00

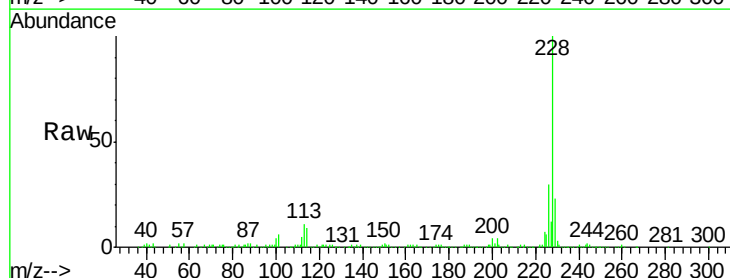
Tgt Ion:228 Resp: 177418

Ion Ratio Lower Upper

228 100

226 30.4 24.8 37.2

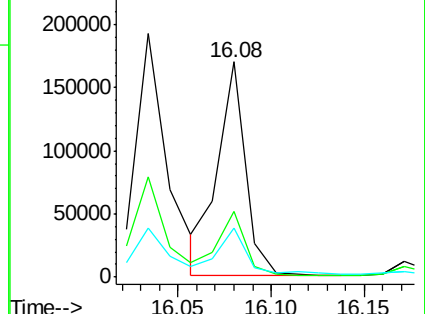
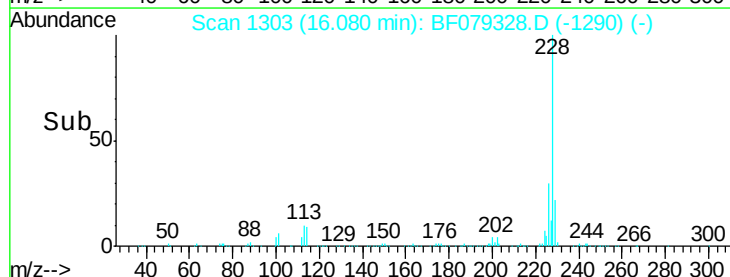
229 22.8 16.1 24.1

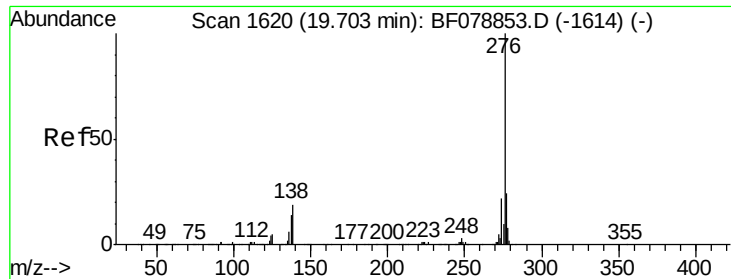


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

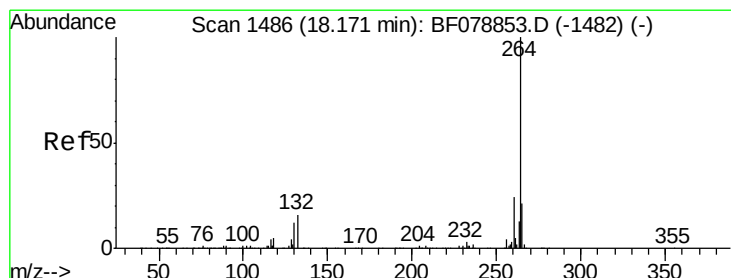
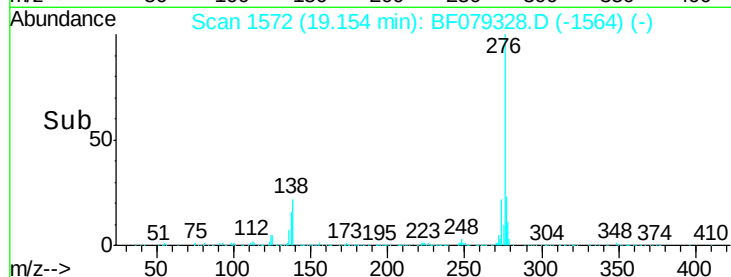
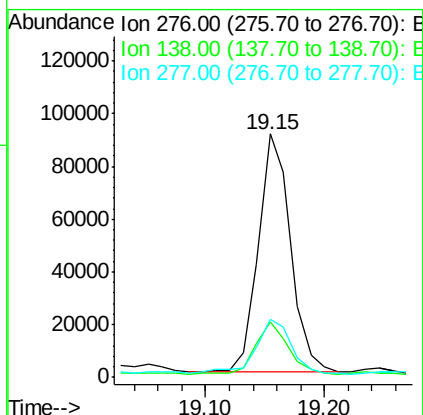
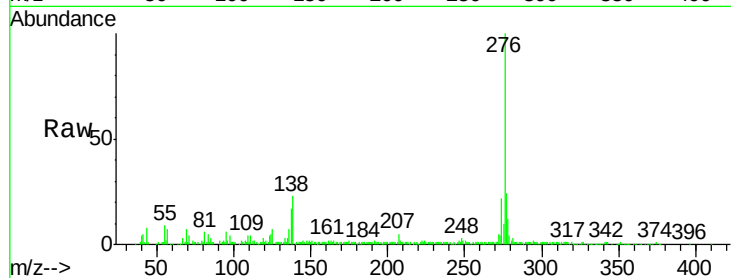




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.15 ng
 RT: 19.15 min Scan# 1572
 Delta R.T. -0.11 min
 Lab File: BF079328.D
 Acq: 19 May 2015 3:00

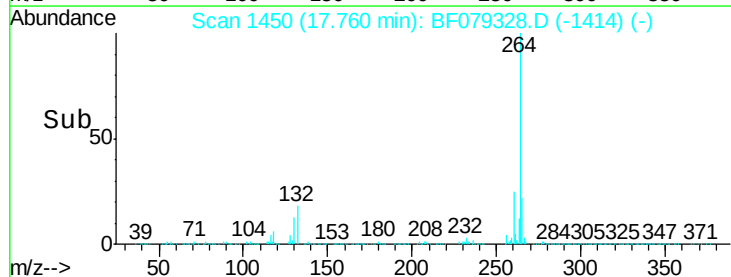
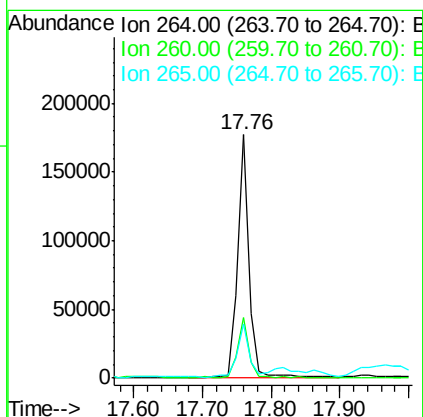
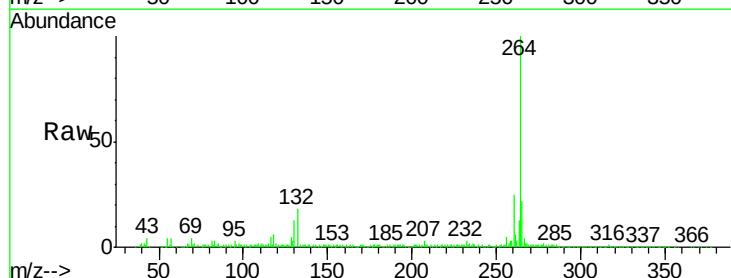
Instrument :
 BNA_F
 ClientSampleId :
 WC-07-D1

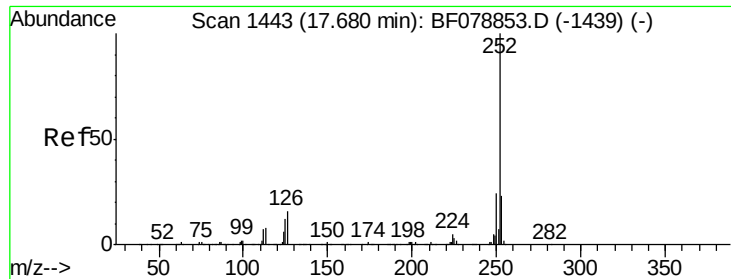
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	21.1	31.7
277	25.7	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.76 min Scan# 1450
 Delta R.T. -0.09 min
 Lab File: BF079328.D
 Acq: 19 May 2015 3:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.2	17.2	25.8

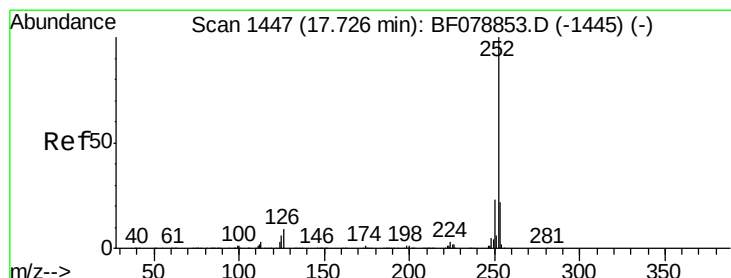
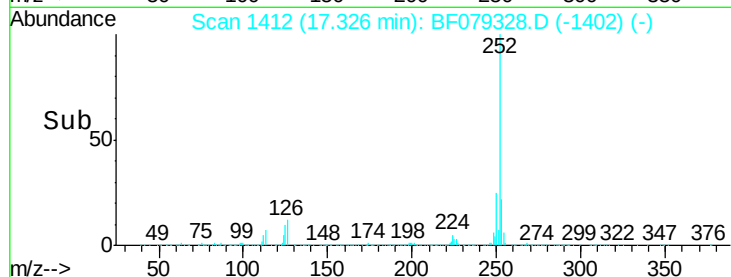
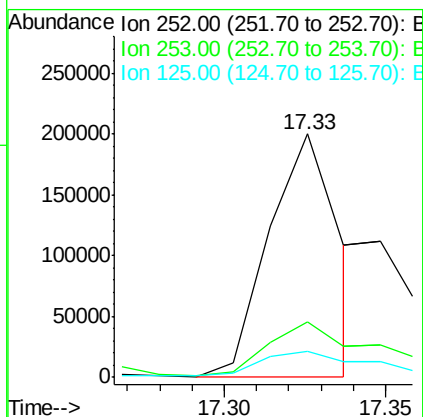
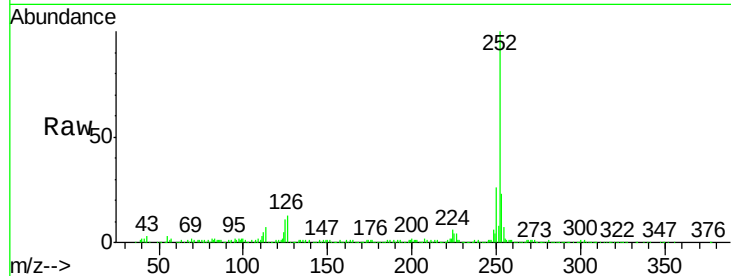




#87
Benzo(b)fluoranthene
Concen: 26.94 ng m
RT: 17.33 min Scan# 1412
Delta R.T. -0.07 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

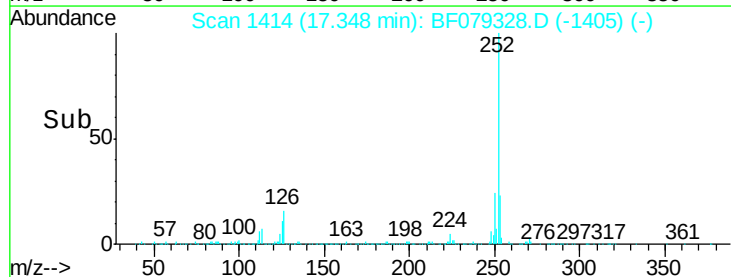
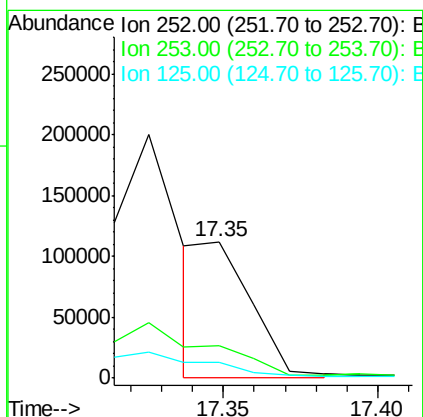
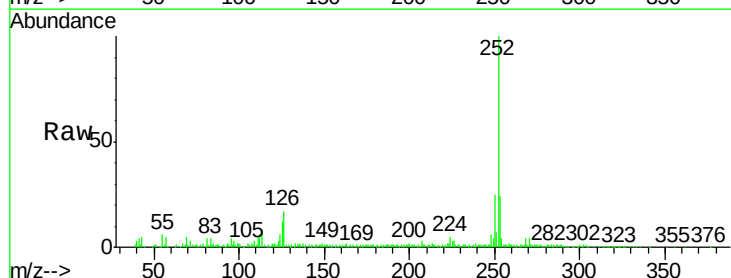
Instrument :
BNA_F
ClientSampleId :
WC-07-D1

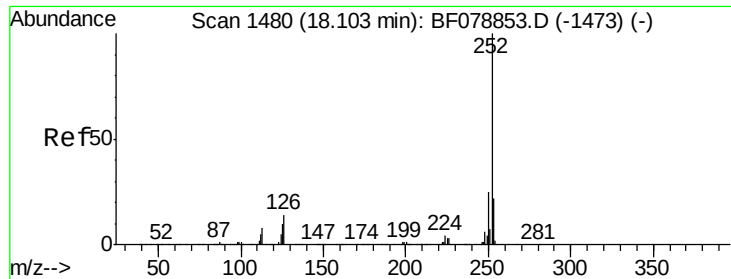
Tot Ion:252 Resp: 305432
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.7 9.4 14.2



#88
Benzo(k)fluoranthene
Concen: 11.33 ng m
RT: 17.35 min Scan# 1414
Delta R.T. -0.08 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Tgt Ion:252 Resp: 124360
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 11.9 6.1 9.1#

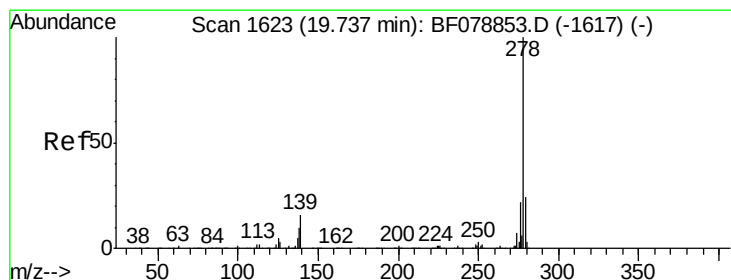
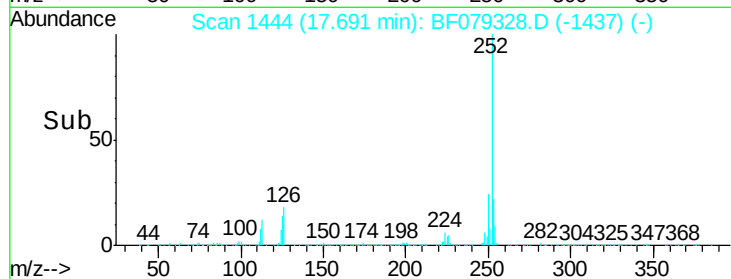
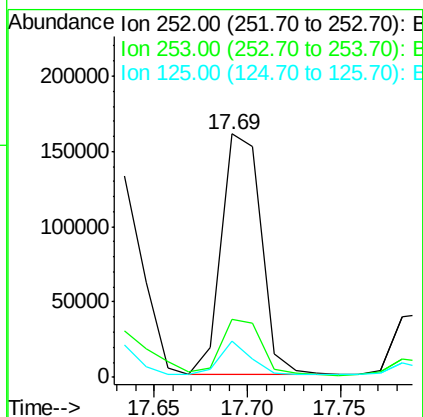
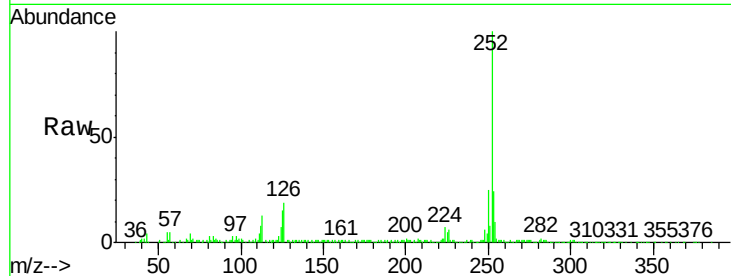




#89
Benzo(a)pyrene
Concen: 22.71 ng
RT: 17.69 min Scan# 1444
Delta R.T. -0.10 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

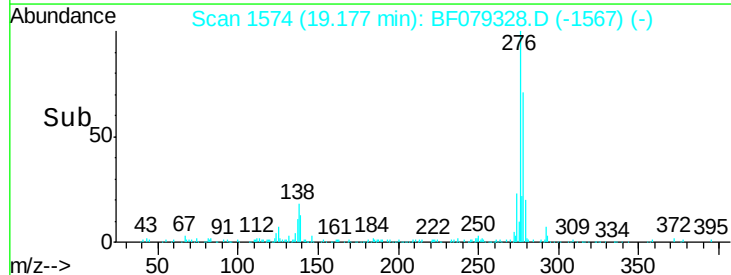
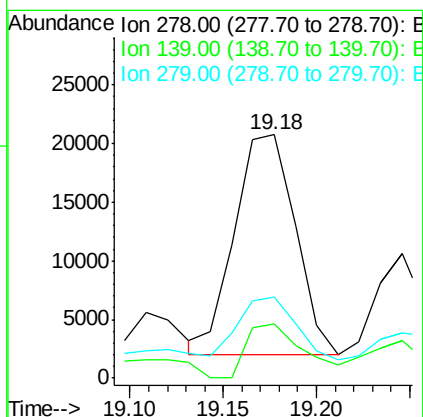
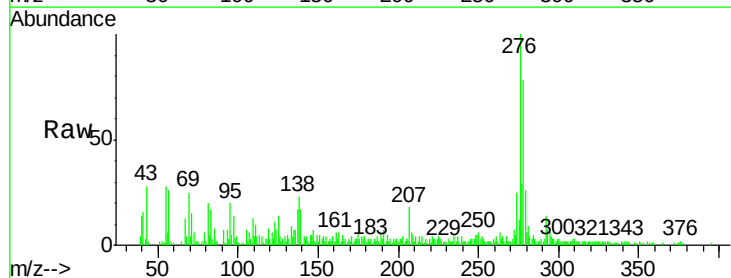
Instrument :
BNA_F
ClientSampleId :
WC-07-D1

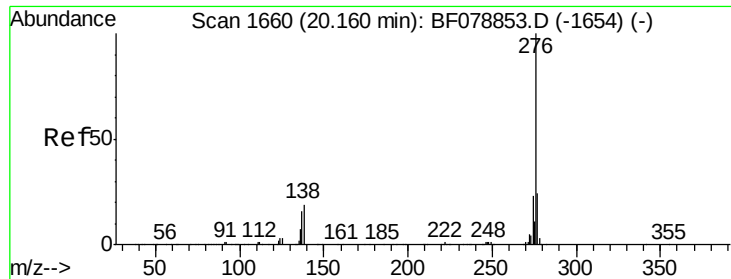
Tot Ion:252 Resp: 237127
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 14.7 8.2 12.2#



#90
Dibenzo(a,h)anthracene
Concen: 3.80 ng
RT: 19.18 min Scan# 1574
Delta R.T. -0.13 min
Lab File: BF079328.D
Acq: 19 May 2015 3:00

Tgt Ion:278 Resp: 42211
Ion Ratio Lower Upper
278 100
139 22.2 13.1 19.7#
279 33.5 19.1 28.7#





#91
 Benzo(a,h,i)perylene
 Concen: 14.15 ng
 RT: 19.58 min Scan# 1609
 Delta R.T. -0.11 min
 Lab File: BF079328.D
 Acq: 19 May 2015 3:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-07-D1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	20.9	15.2	22.8

