

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079325.D
 Acq On : 19 May 2015 1:33
 Operator : TP/IZ
 Sample : G2271-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

Quant Time: May 19 04:04:02 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 03:47:03 2015
 Response via : Initial Calibration

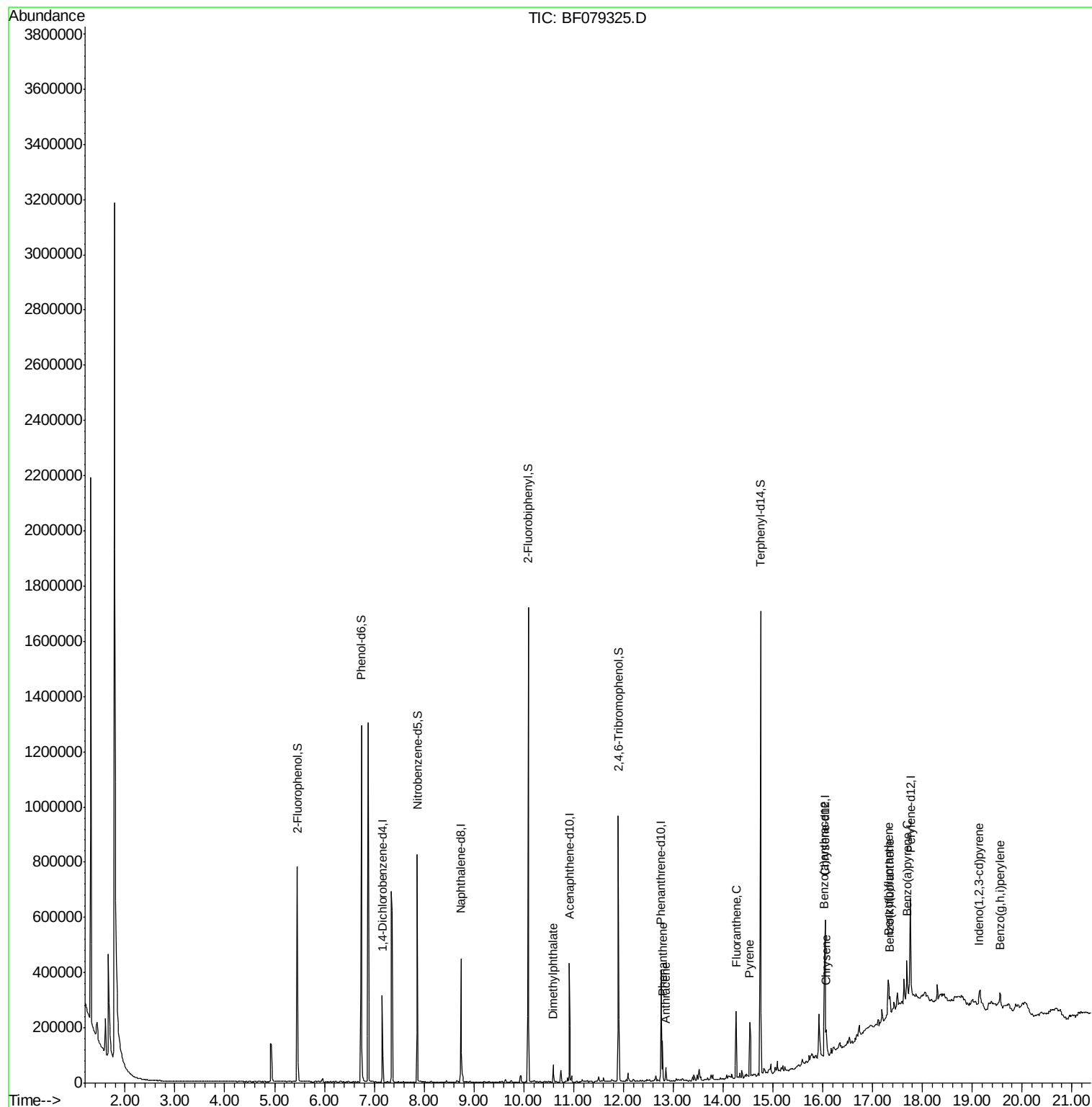
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	47853	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	200388	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	98258	20.00	ng	0.00
63) Phenanthrene-d10	12.75	188	186652	20.00	ng	0.00
75) Chrysene-d12	16.05	240	198631	20.00	ng	-0.01
86) Perylene-d12	17.76	264	204592	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	332822m	119.72	ng	0.01
7) Phenol-d6	6.74	99	450117	122.49	ng	0.00
23) Nitrobenzene-d5	7.86	82	253043	72.57	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	122738	115.47	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	502417	71.24	ng	0.00
78) Terphenyl-d14	14.75	244	560827	67.60	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.59	163	30071	4.17	ng	# 99
70) Phenanthrene	12.79	178	58731	5.62	ng	98
71) Anthracene	12.85	178	28122	2.75	ng	98
74) Fluoranthene	14.26	202	99845	9.18	ng	96
77) Pyrene	14.54	202	102603	8.96	ng	96
80) Benzo(a)anthracene	16.03	228	67279m	6.19	ng	
82) Chrysene	16.07	228	44038	4.21	ng	98
85) Indeno(1,2,3-cd)pyrene	19.14	276	42473	3.19	ng	92
87) Benzo(b)fluoranthene	17.31	252	82138m	7.33	ng	
88) Benzo(k)fluoranthene	17.35	252	23148m	2.14	ng	
89) Benzo(a)pyrene	17.69	252	61688	5.98	ng	# 95
91) Benzo(a,h,i)perylene	19.57	276	41784	3.80	ng	93

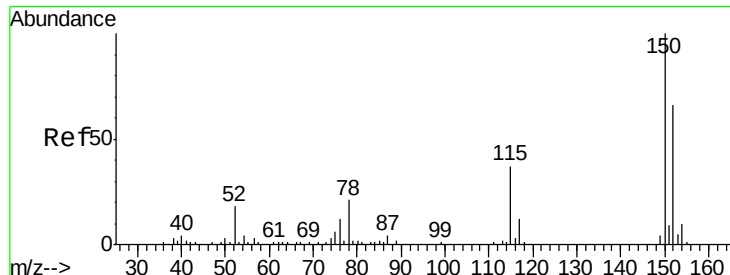
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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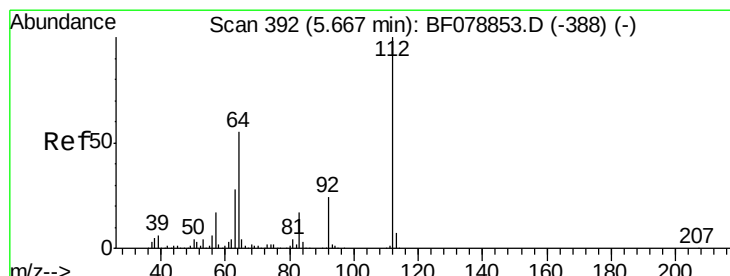
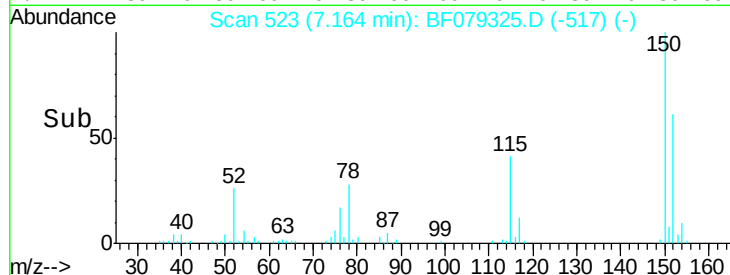
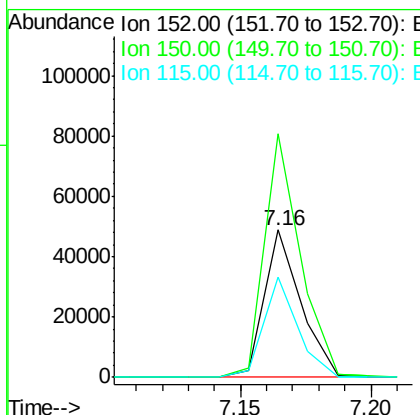
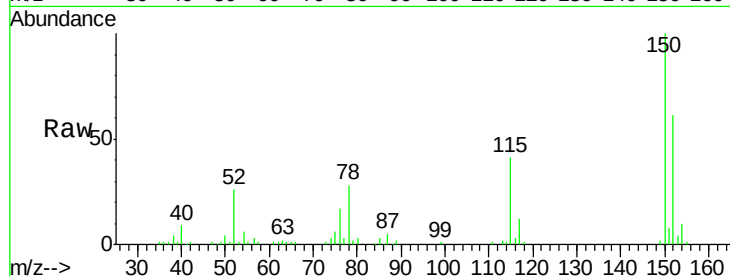




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

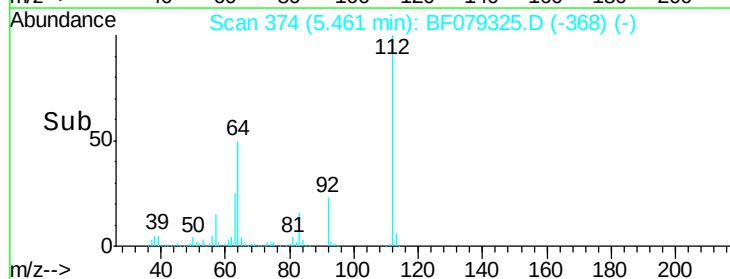
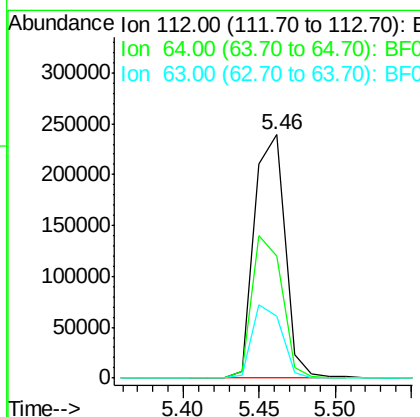
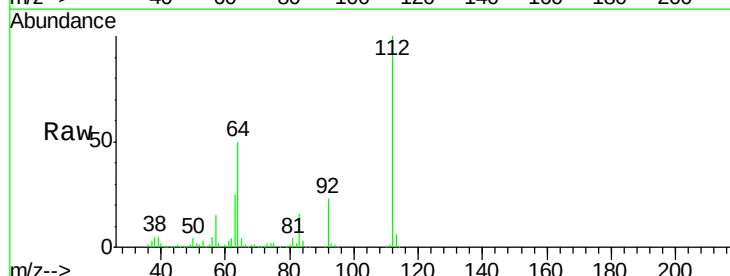
Instrument :
 BNA_F
 ClientSampled :
 WC-14-D1

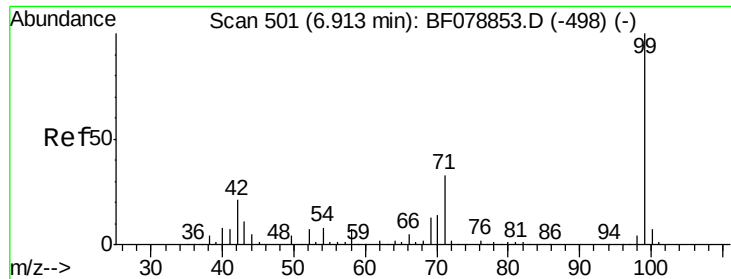
Tot Ion	Ratio	Lower	Upper
152	100		
150	165.2	123.8	185.8
115	67.8	49.4	74.0



#5
 2-Fluorophenol
 Concen: 119.72 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.9	44.2	66.2
63	25.2	22.7	34.1





#7

Phenol-d6

Concen: 122.49 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

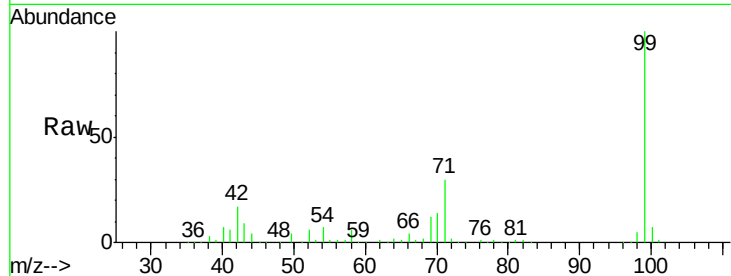
Tot Ion: 99 Resp: 450117

Ion Ratio Lower Upper

99 100

42 16.7 17.1 25.7#

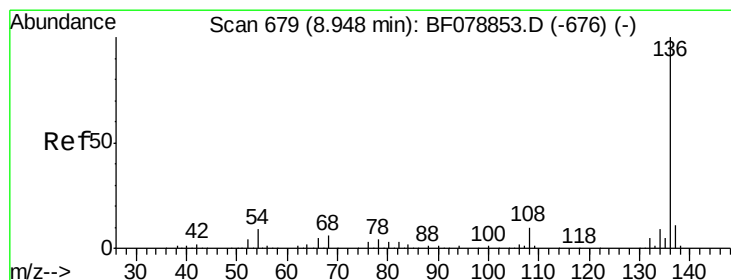
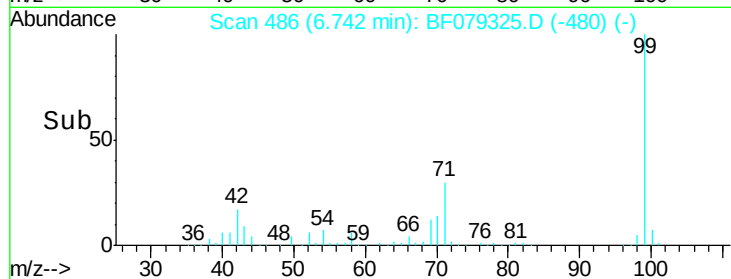
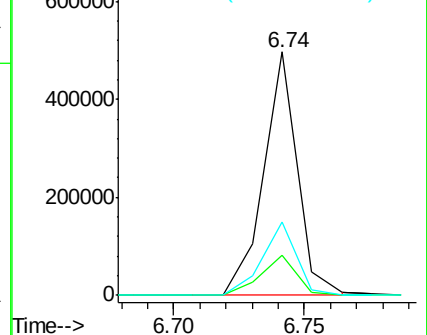
71 30.1 26.3 39.5



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: BF079325.D

Acq: 19 May 2015 1:33

Tgt Ion: 136 Resp: 200388

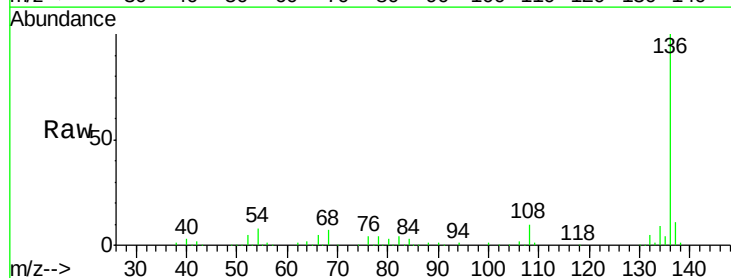
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.2 6.9 10.3

68 6.6 4.9 7.3

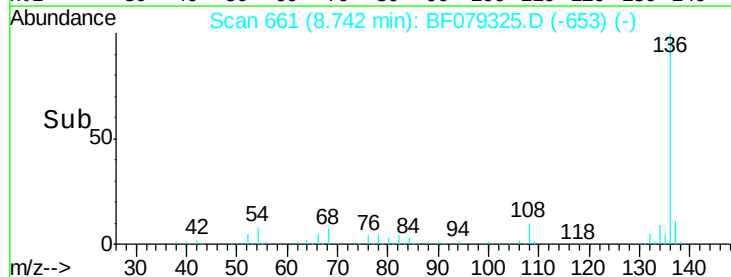
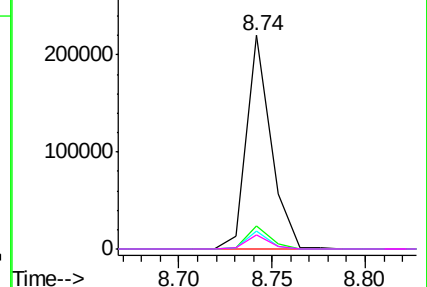


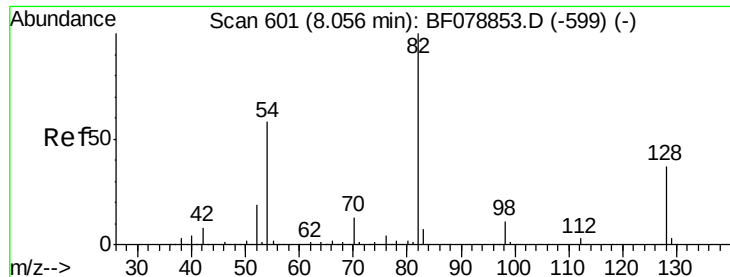
Abundance Ion 136.00 (135.70 to 136.70): E

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

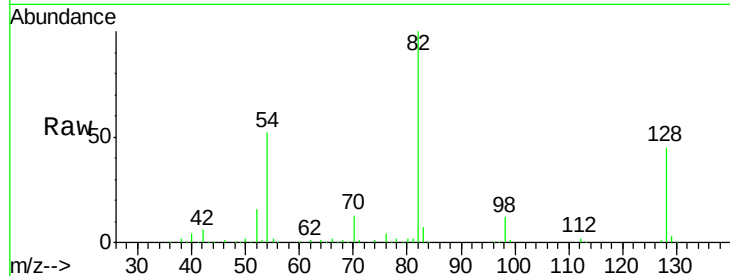




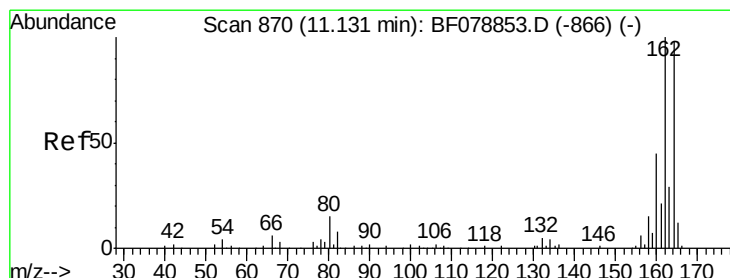
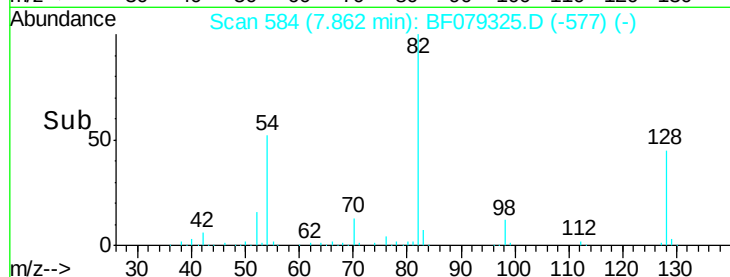
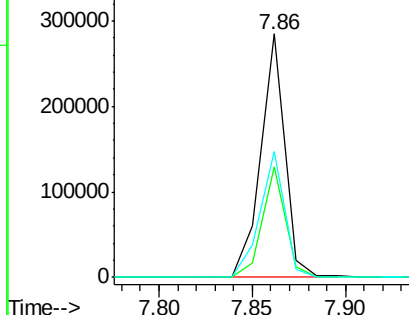
#23
 Nitrobenzene-d5
 Concen: 72.57 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

Tot Ion: 82 Resp: 253043
 Ion Ratio Lower Upper
 82 100
 128 45.2 29.7 44.5#
 54 51.9 46.2 69.4

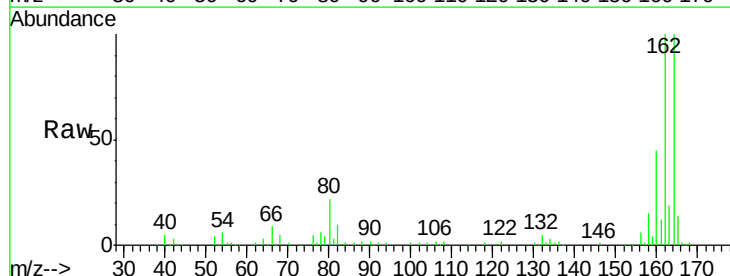


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

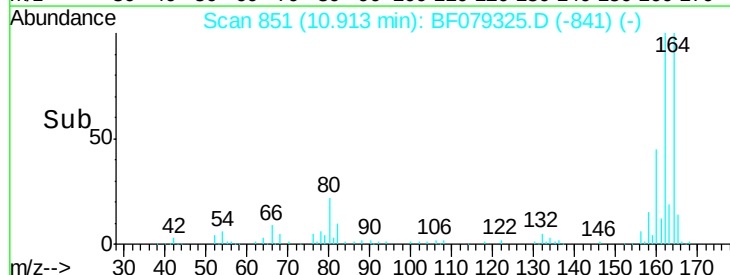
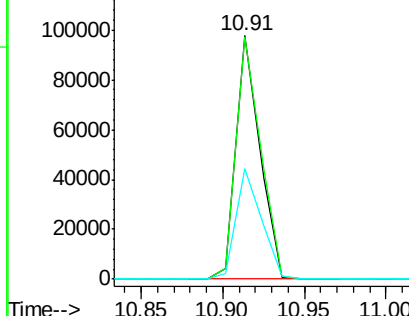


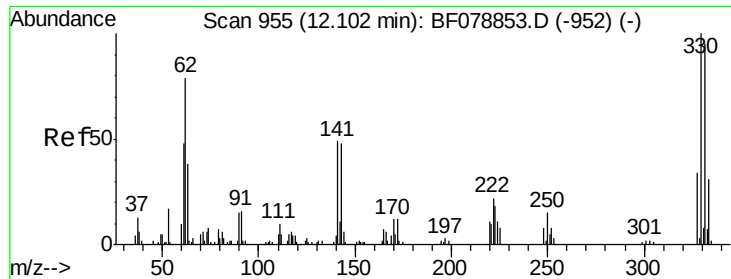
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Tgt Ion:164 Resp: 98258
 Ion Ratio Lower Upper
 164 100
 162 99.7 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

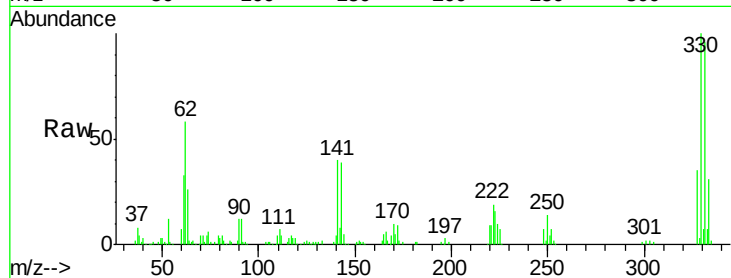




#41
 2,4,6-Tribromophenol
 Concen: 115.47 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	35.8	27.8	41.8

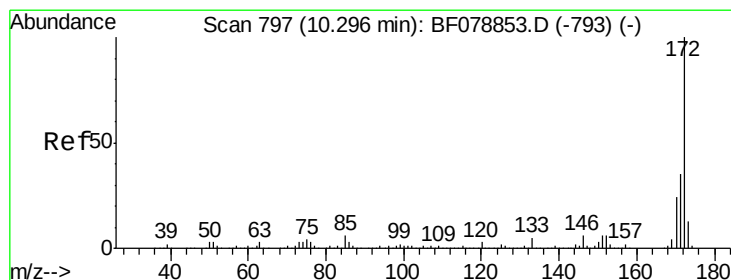
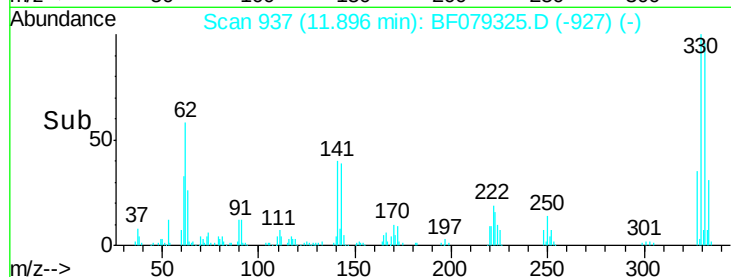
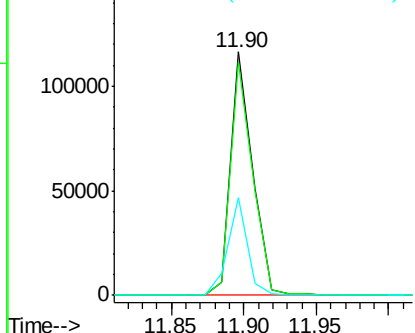


Abundance

Ion 329.80 (329.50 to 330.50): E

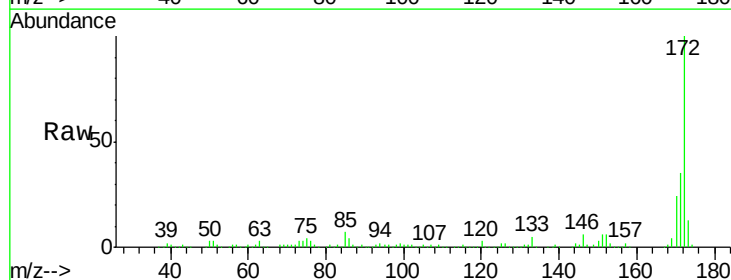
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 71.24 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.00 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	24.3	19.4	29.2

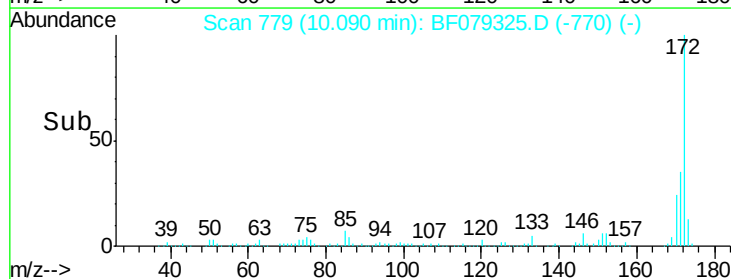
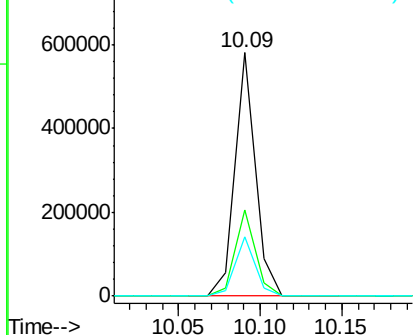


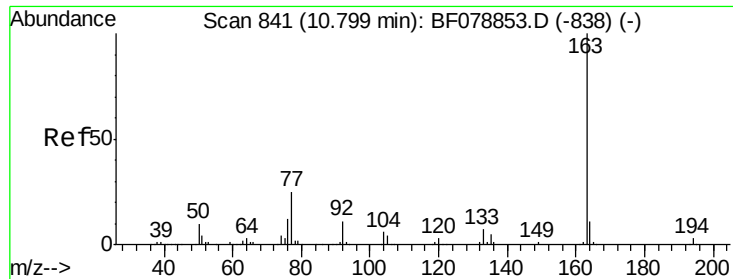
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

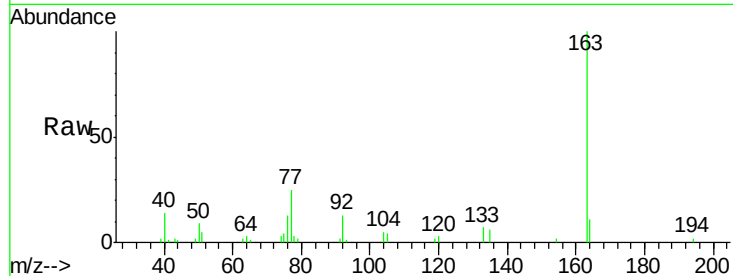




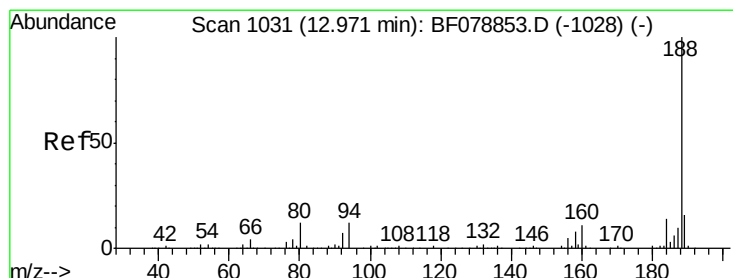
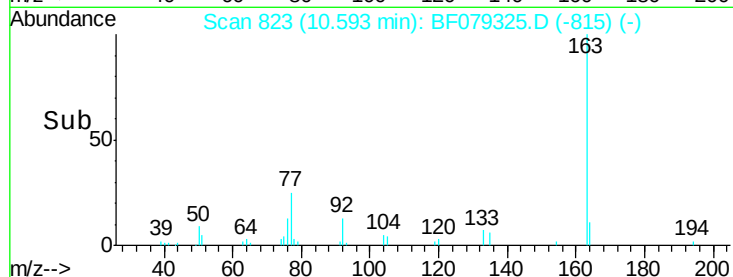
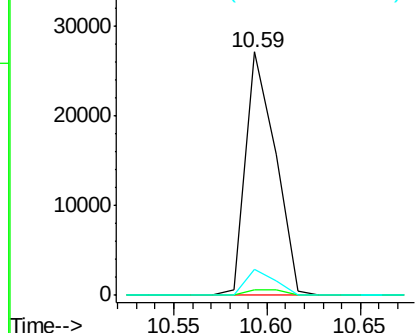
#49
Dimethylphthalate
Concen: 4.17 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Instrument :
BNA_F
ClientSampleId :
WC-14-D1

Tot Ion:163 Resp: 30071
Ion Ratio Lower Upper
163 100
194 2.3 2.4 3.6#
164 10.6 8.6 12.8

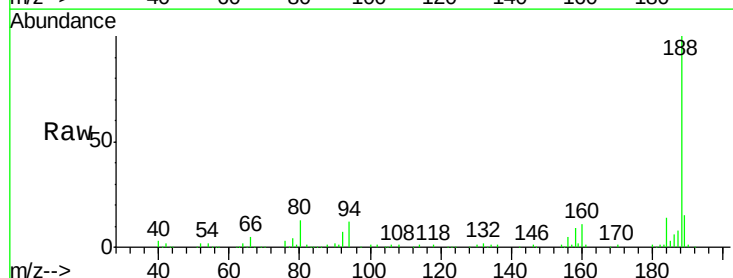


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

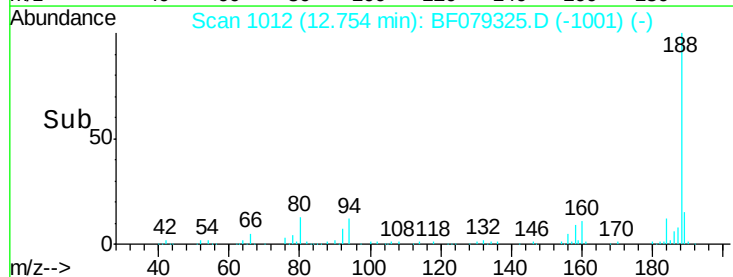
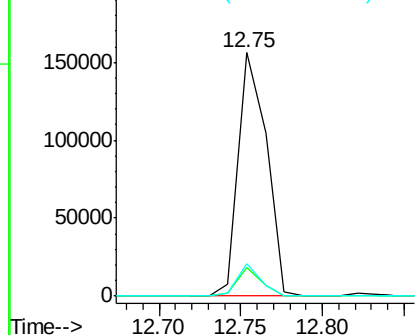


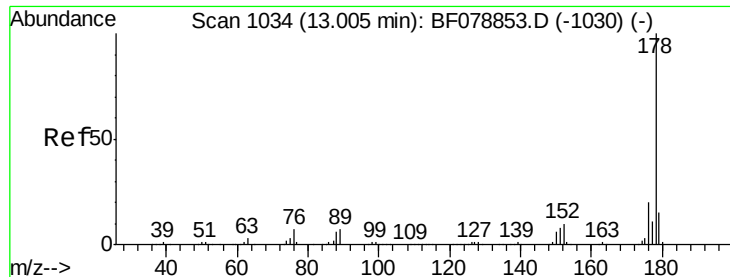
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.75 min Scan# 1012
Delta R.T. -0.00 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Tgt Ion:188 Resp: 186652
Ion Ratio Lower Upper
188 100
94 11.9 9.4 14.0
80 13.5 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: 5.62 ng

RT: 12.79 min Scan# 1015

Delta R.T. -0.00 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

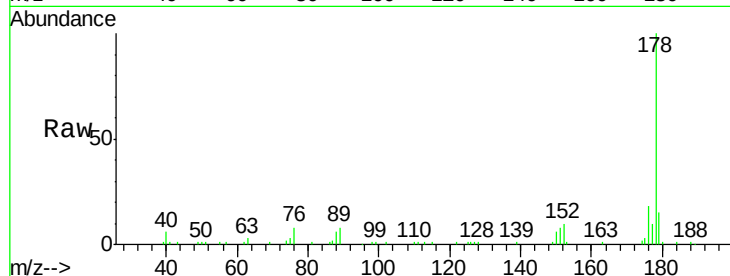
Tot Ion:178 Resp: 58731

Ion Ratio Lower Upper

178 100

176 18.4 15.9 23.9

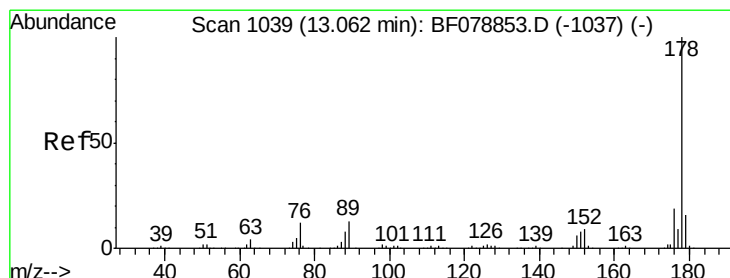
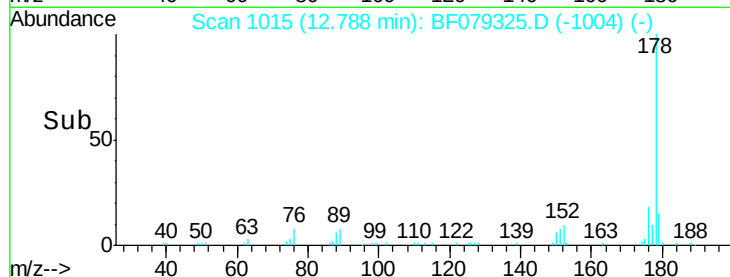
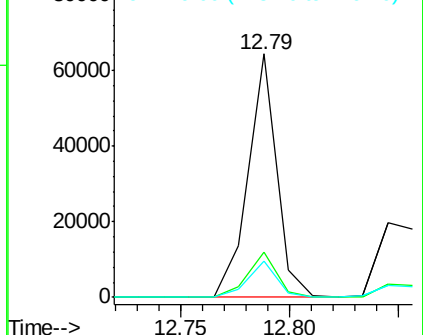
179 14.8 12.2 18.4



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: 2.75 ng

RT: 12.85 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

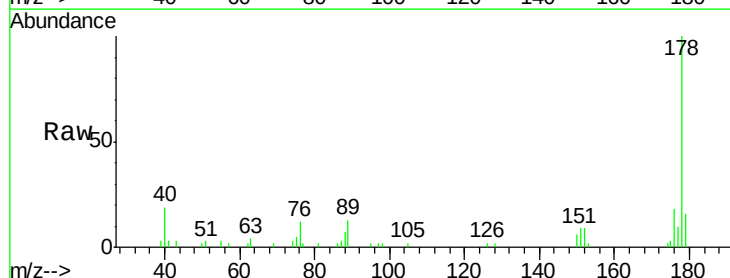
Tgt Ion:178 Resp: 28122

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

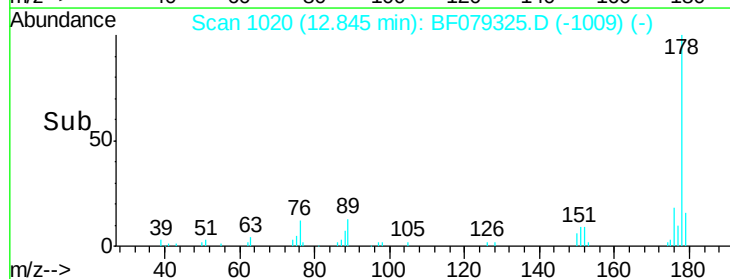
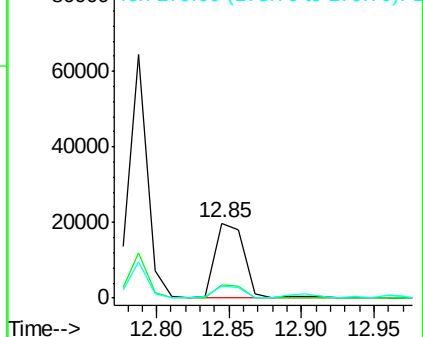
179 16.4 12.6 19.0

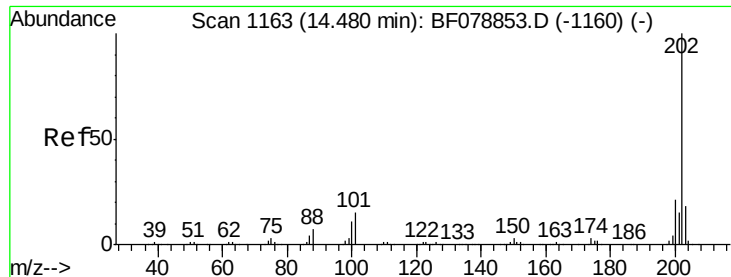


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

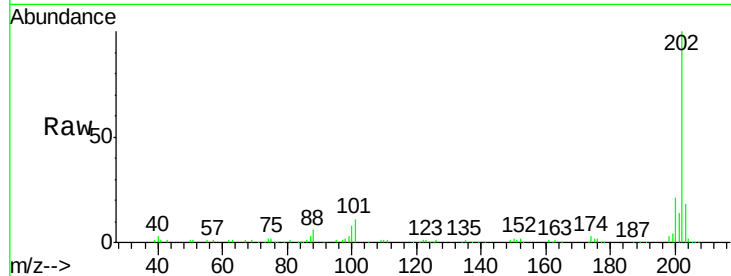




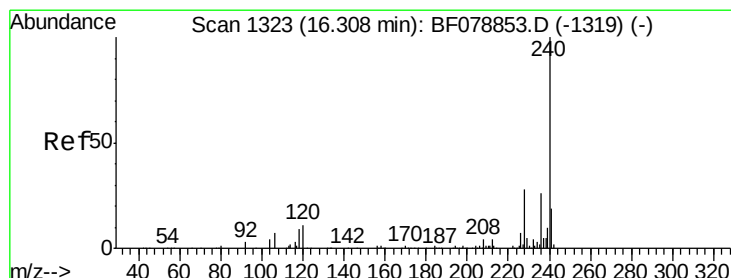
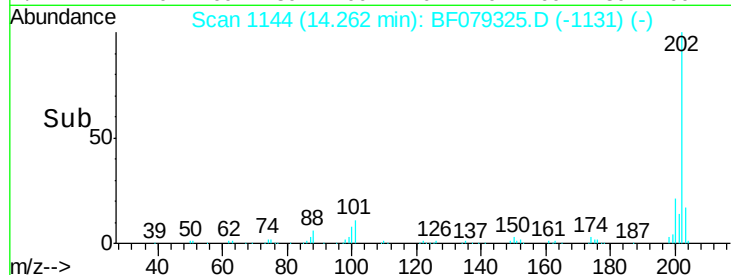
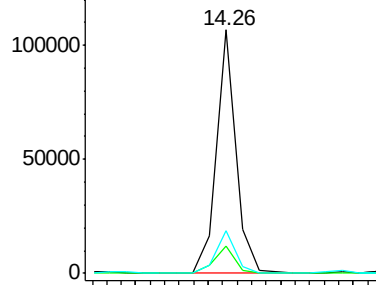
#74
Fluoranthene
Concen: 9.18 ng
RT: 14.26 min Scan# 1144
Delta R.T. -0.00 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Instrument :
BNA_F
ClientSampleId :
WC-14-D1

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.7
203	17.7	0.0	37.9

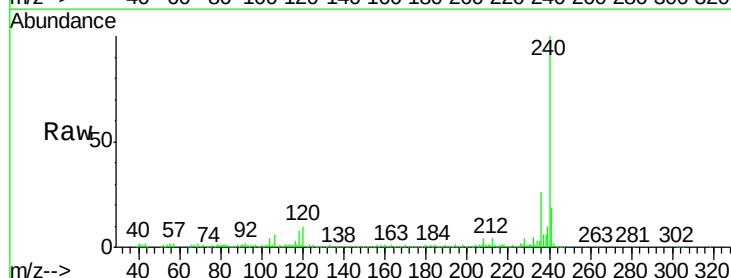


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

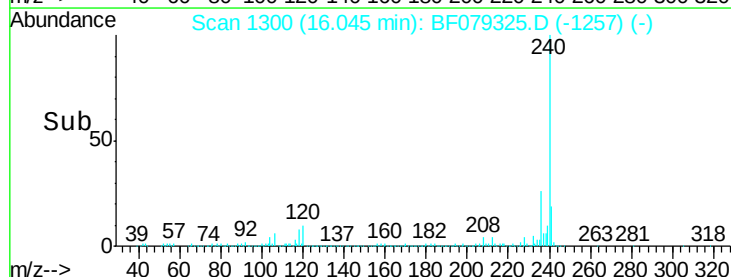
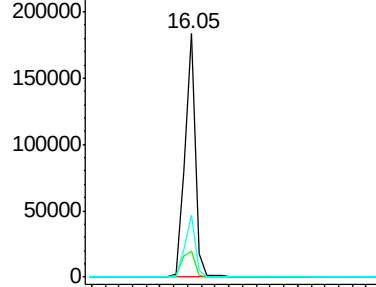


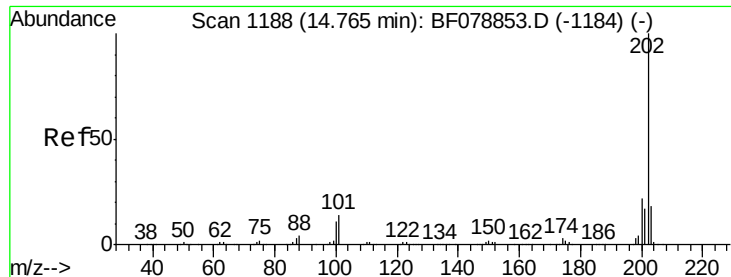
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.05 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF079325.D
Acq: 19 May 2015 1:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.6	12.8
236	25.6	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: 8.96 ng

RT: 14.54 min Scan# 1168

Delta R.T. -0.00 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

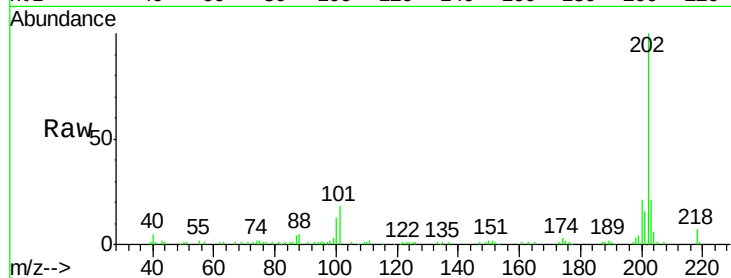
Tot Ion:202 Resp: 102603

Ion Ratio Lower Upper

202 100

200 20.9 17.5 26.3

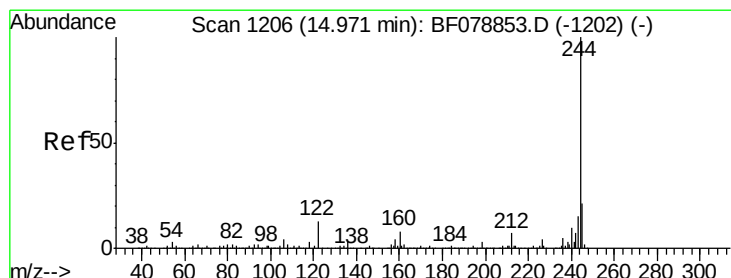
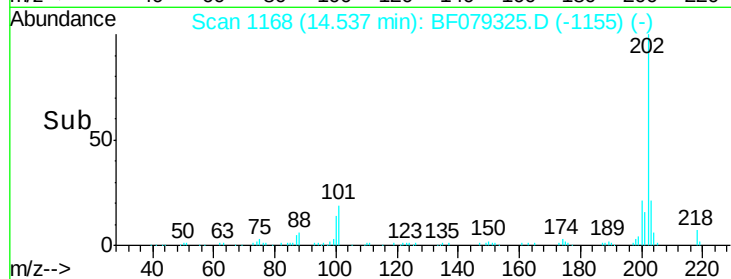
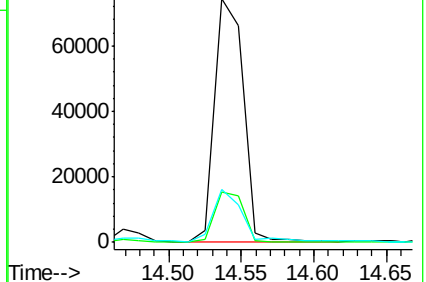
203 21.5 14.7 22.1



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: 67.60 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

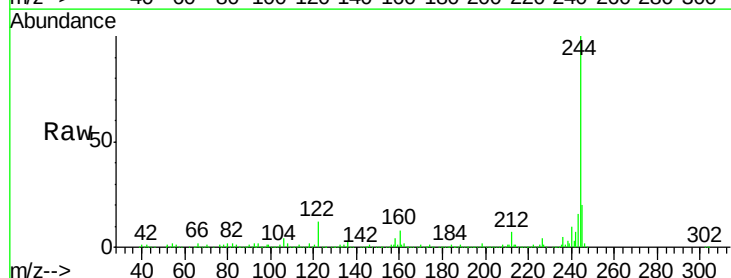
Tgt Ion:244 Resp: 560827

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

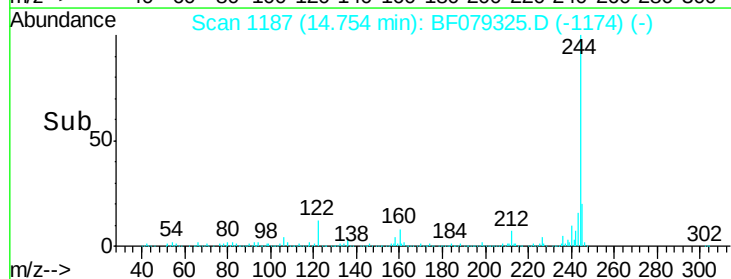
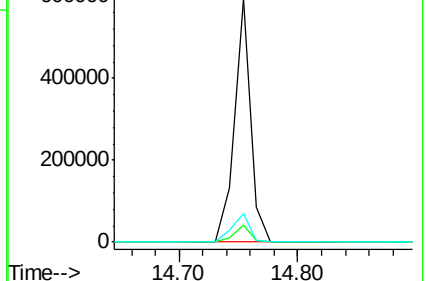
122 11.8 10.5 15.7

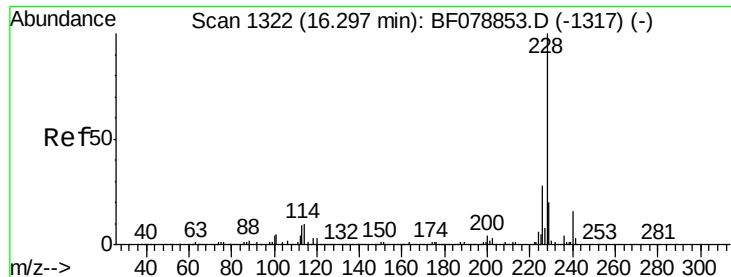


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.19 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

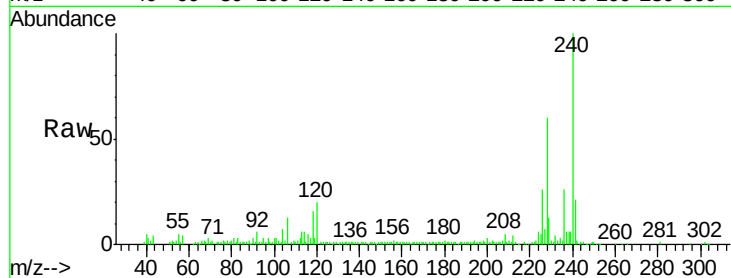
Tot Ion:228 Resp: 67279

Ion Ratio Lower Upper

228 100

226 43.8 22.3 33.5#

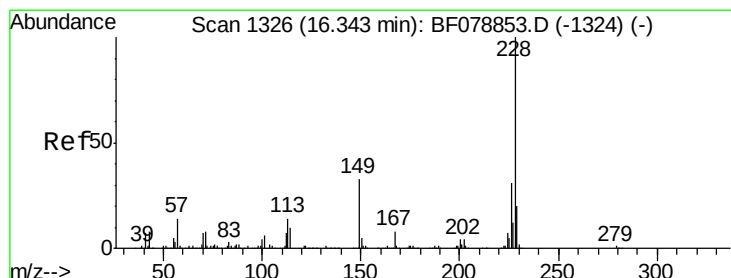
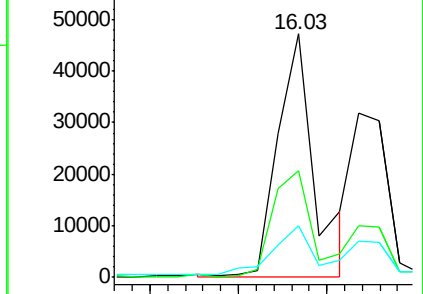
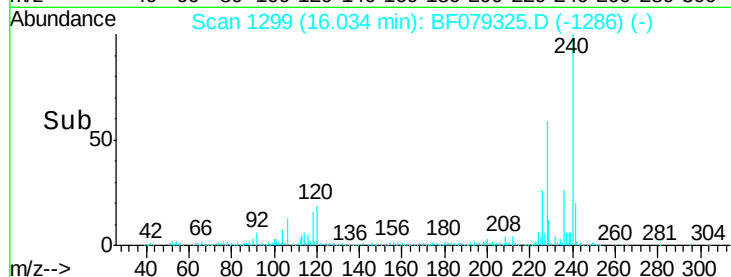
229 21.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.21 ng

RT: 16.07 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

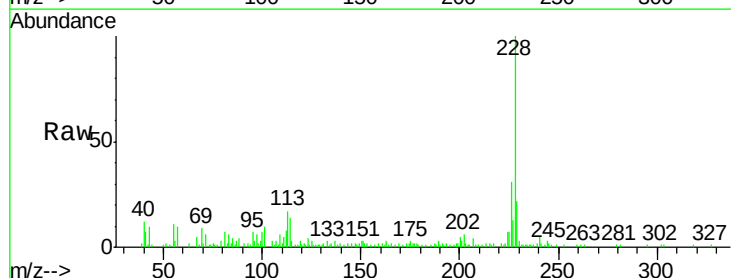
Tgt Ion:228 Resp: 44038

Ion Ratio Lower Upper

228 100

226 31.5 24.8 37.2

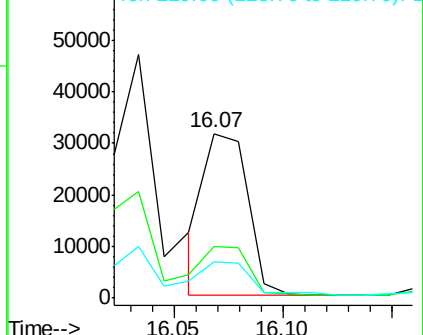
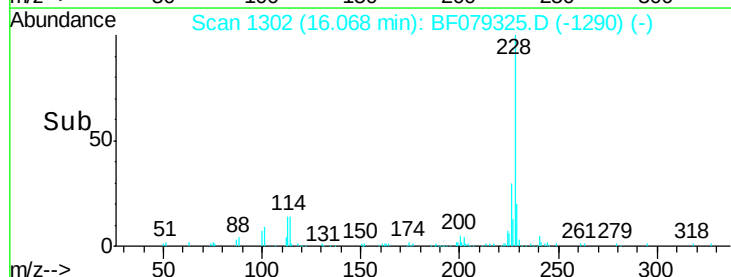
229 21.8 16.1 24.1

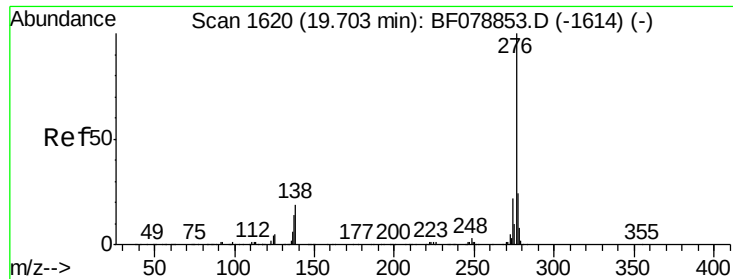


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.19 ng

RT: 19.14 min Scan# 1571

Delta R.T. -0.13 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

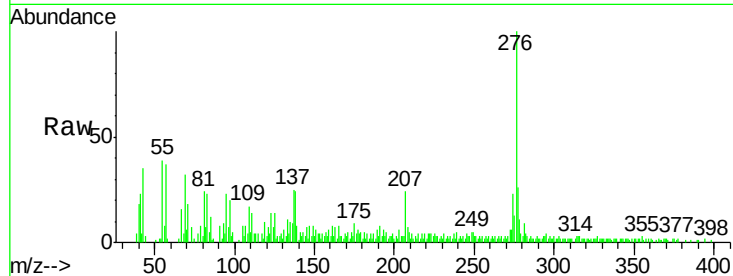
Tot Ion:276 Resp: 42473

Ion Ratio Lower Upper

276 100

138 21.1 21.1 31.7

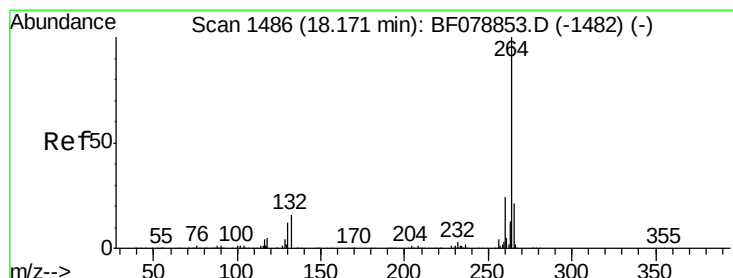
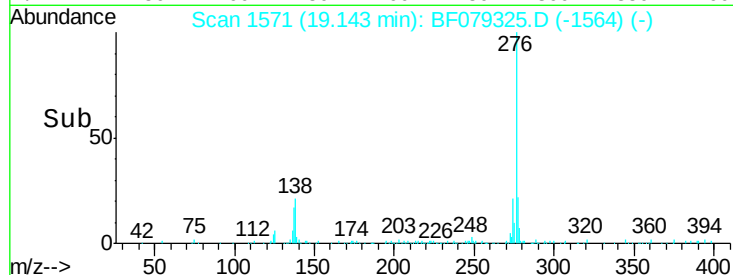
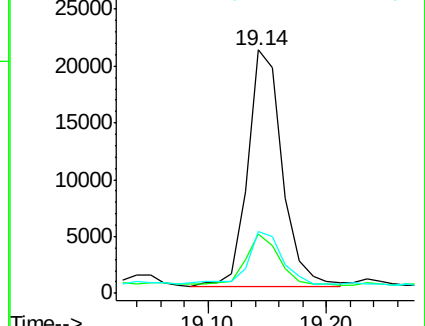
277 22.3 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.76 min Scan# 1450

Delta R.T. -0.09 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

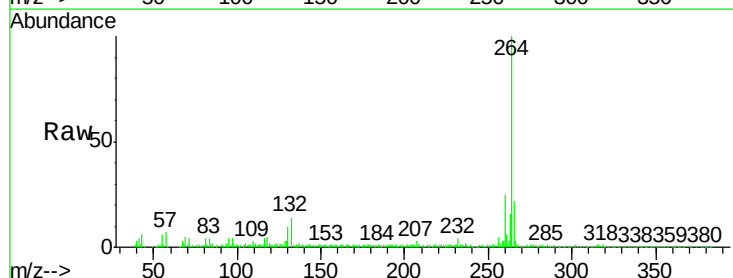
Tgt Ion:264 Resp: 204592

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

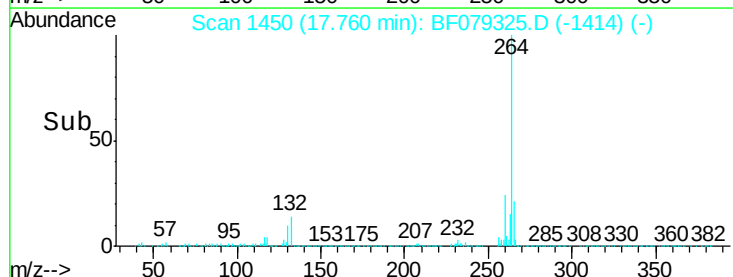
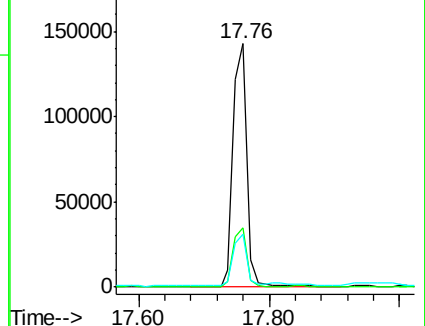
265 21.9 17.2 25.8

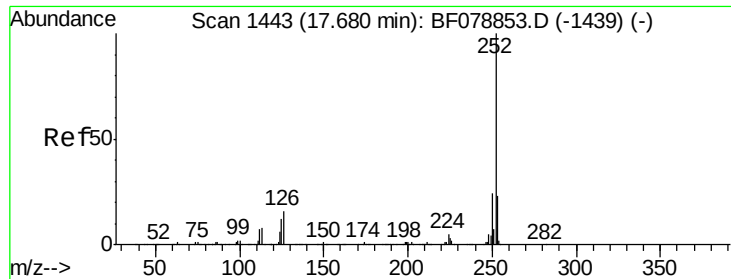


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.33 ng m

RT: 17.31 min Scan# 1411

Delta R.T. -0.08 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

Instrument :

BNA_F

ClientSampleId :

WC-14-D1

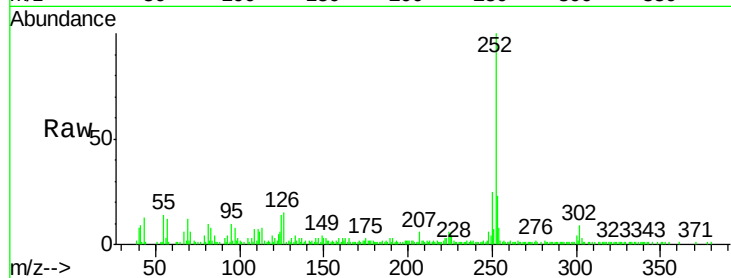
Tot Ion:252 Resp: 82138

Ion Ratio Lower Upper

252 100

253 23.2 18.1 27.1

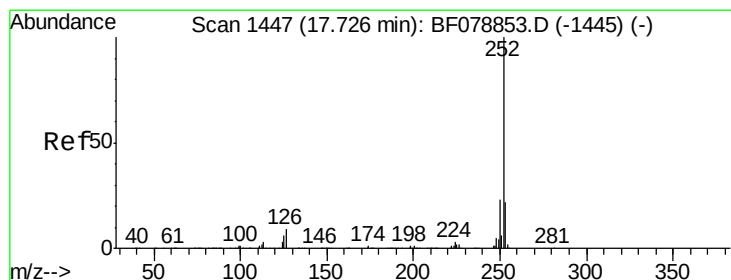
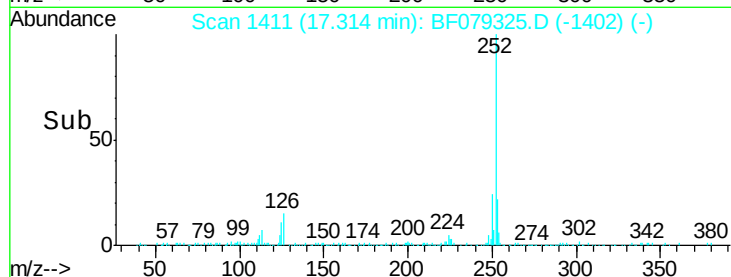
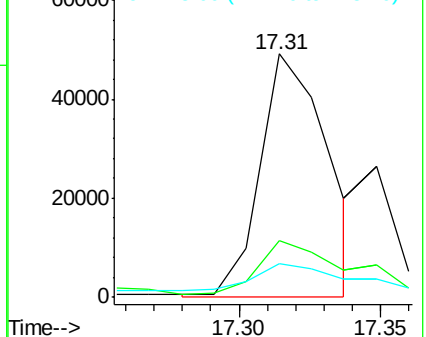
125 13.8 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.14 ng m

RT: 17.35 min Scan# 1414

Delta R.T. -0.08 min

Lab File: BF079325.D

Acq: 19 May 2015 1:33

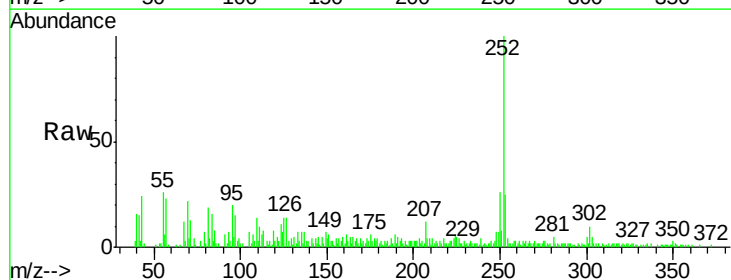
Tgt Ion:252 Resp: 23148

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

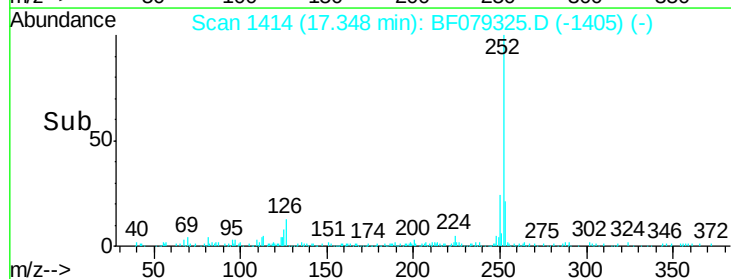
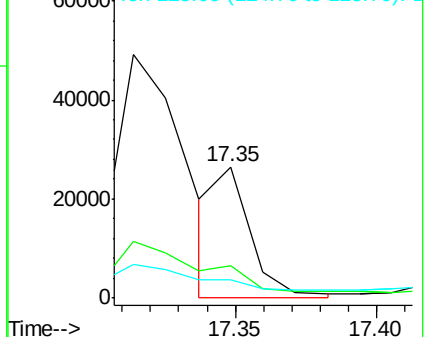
125 13.5 6.1 9.1#

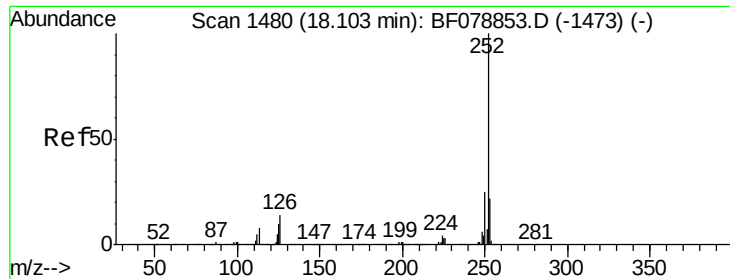


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

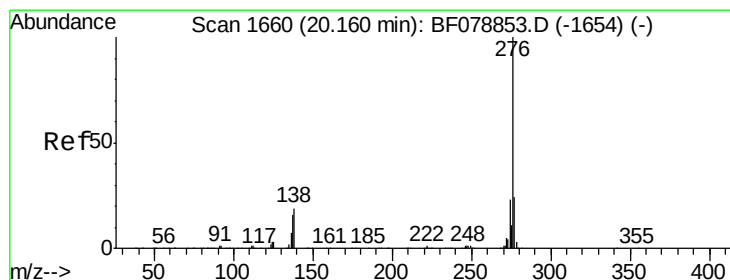
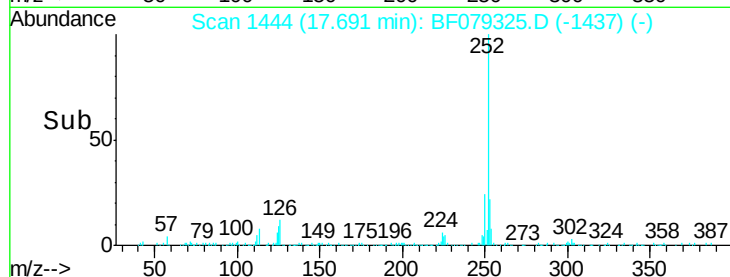
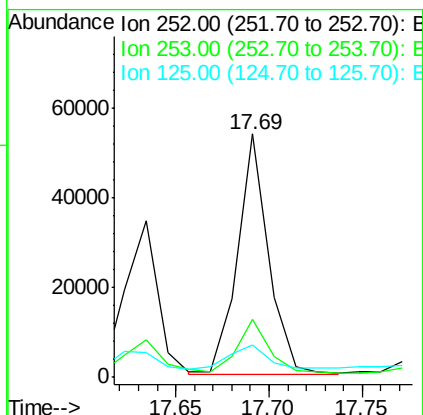
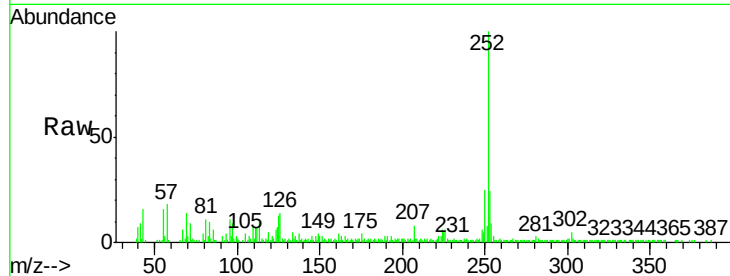




#89
 Benzo(a)pyrene
 Concen: 5.98 ng
 RT: 17.69 min Scan# 1444
 Delta R.T. -0.10 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-D1

Tot Ion:252 Resp: 61688
 Ion Ratio Lower Upper
 252 100
 253 23.9 18.0 27.0
 125 13.2 8.2 12.2#



#91
 Benzo(g,h,i)perylene
 Concen: 3.80 ng
 RT: 19.57 min Scan# 1608
 Delta R.T. -0.13 min
 Lab File: BF079325.D
 Acq: 19 May 2015 1:33

Tgt Ion:276 Resp: 41784
 Ion Ratio Lower Upper
 276 100
 277 26.7 18.8 28.2
 138 22.4 15.2 22.8

