

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051515\
 Data File : BF079295.D
 Acq On : 16 May 2015 5:47
 Operator : TP/IZ
 Sample : G2266-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Quant Time: May 16 06:38:04 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 16 04:02:20 2015
 Response via : Initial Calibration

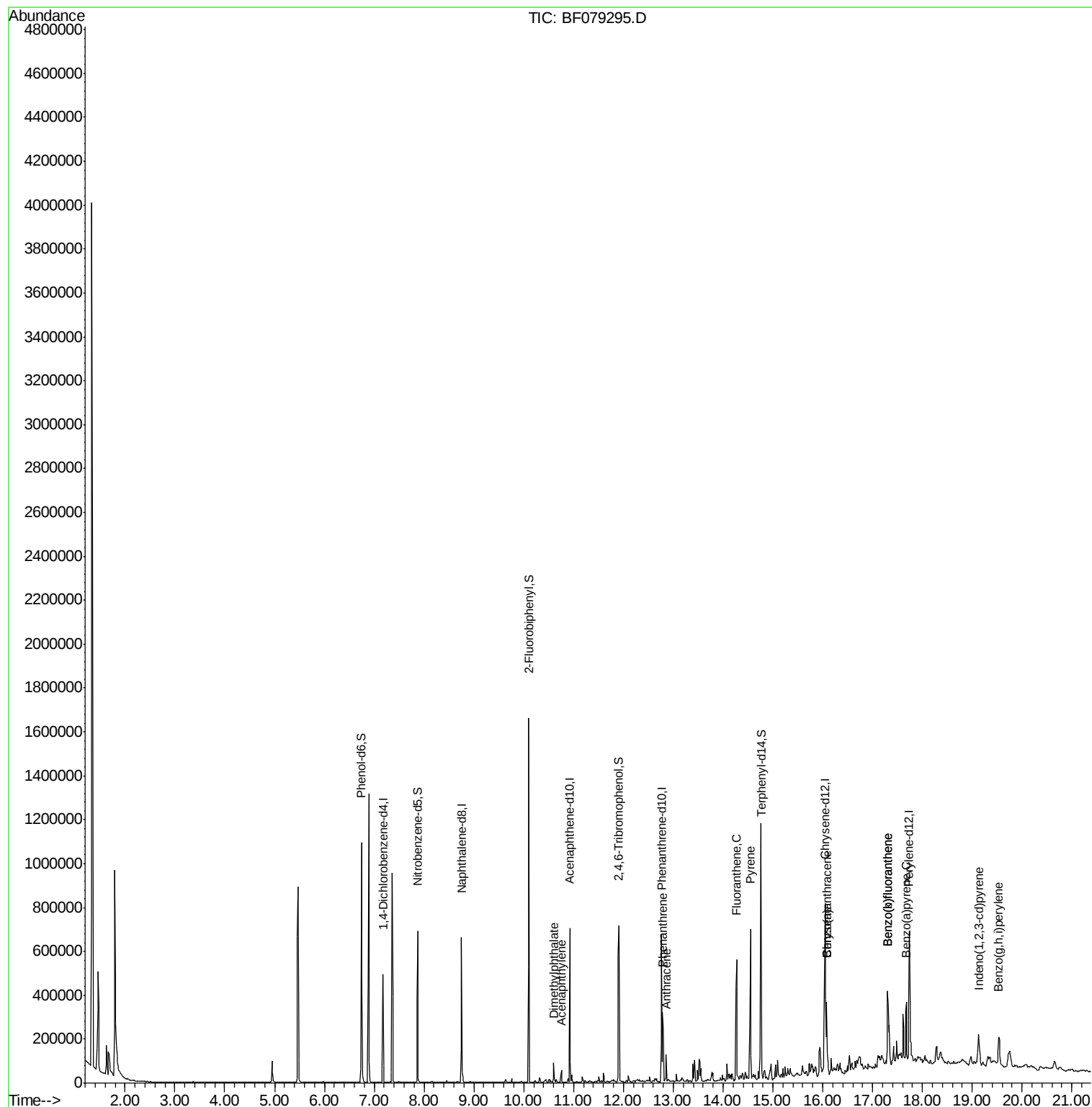
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	72274	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	293401	20.00	ng	0.00
38) Acenaphthene-d10	10.92	164	140450	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	247998	20.00	ng	0.00
75) Chrysene-d12	16.05	240	250687	20.00	ng	-0.01
86) Perylene-d12	17.74	264	259721	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.74	99	426092	76.78	ng	0.00
23) Nitrobenzene-d5	7.87	82	259979	50.93	ng	0.00
41) 2,4,6-Tribromophenol	11.91	330	122720	80.77	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	532563	52.83	ng	0.00
78) Terphenyl-d14	14.77	244	530281	50.64	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.75	152	29740	2.08	ng	100
49) Dimethylphthalate	10.60	163	33258	3.23	ng	100
70) Phenanthrene	12.79	178	169507	12.22	ng	99
71) Anthracene	12.86	178	46357	3.41	ng	98
74) Fluoranthene	14.27	202	306843	21.22	ng	93
77) Pyrene	14.55	202	290645	20.12	ng	99
80) Benzo(a)anthracene	16.08	228	133192	9.70	ng	95
82) Chrysene	16.08	228	132784	10.06	ng	98
85) Indeno(1,2,3-cd)pyrene	19.13	276	106339	6.32	ng	95
87) Benzo(b)fluoranthene	17.30	252	284786	20.03	ng	99
88) Benzo(k)fluoranthene	17.30	252	284786	20.69	ng	# 94
89) Benzo(a)pyrene	17.68	252	152825	11.68	ng	98
91) Benzo(g,h,i)perylene	19.53	276	109131	7.83	ng	# 93

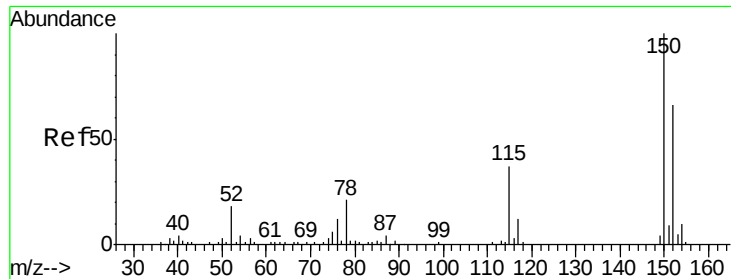
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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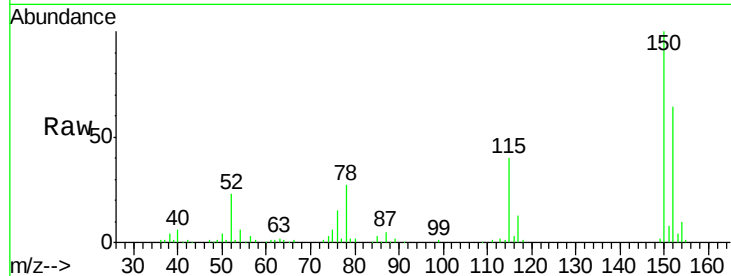




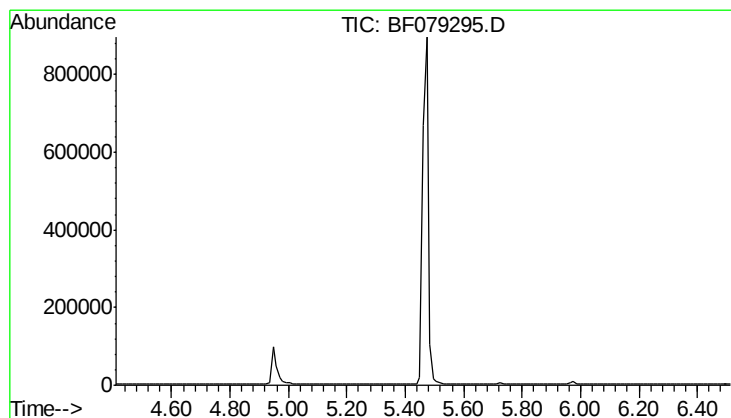
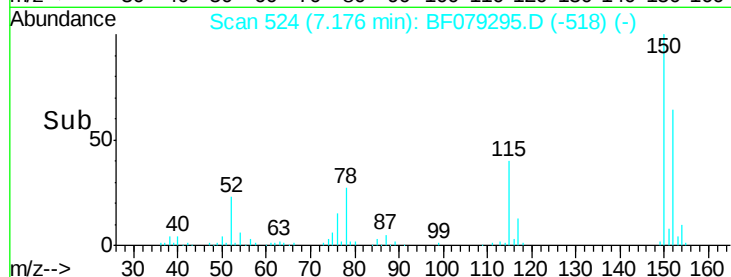
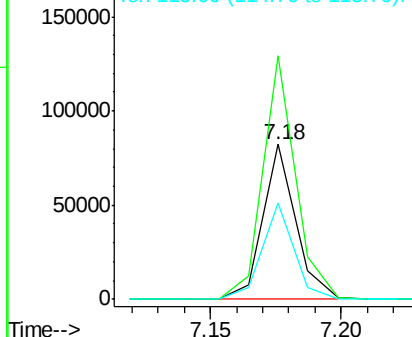
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF079295.D
 Acq: 16 May 2015 5:47

Instrument :
 BNA_F
 ClientSampleId :
 1

Tgt Ion:152 Resp: 72274
 Ion Ratio Lower Upper
 152 100
 150 157.3 123.8 185.8
 115 62.2 49.4 74.0



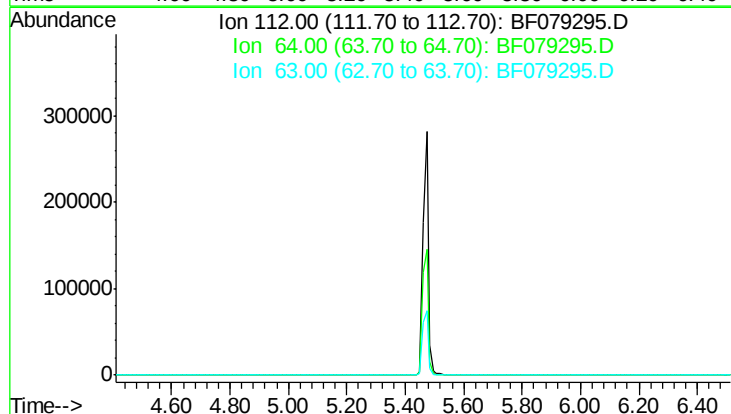
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

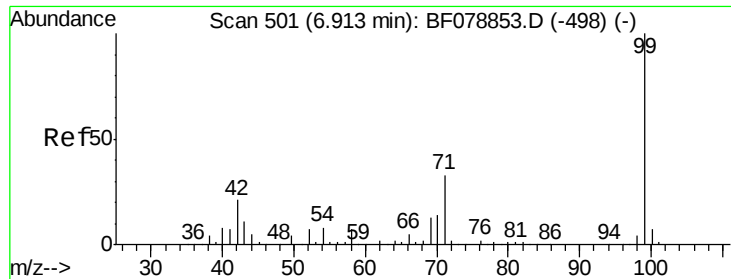


#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.46 min

Lab File: BF079295.D
 Acq: 16 May 2015 5:47

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 55.2
 63 28.4





#7

Phenol-d6

Concen: 76.78 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

Instrument :

BNA_F

ClientSampled :

1

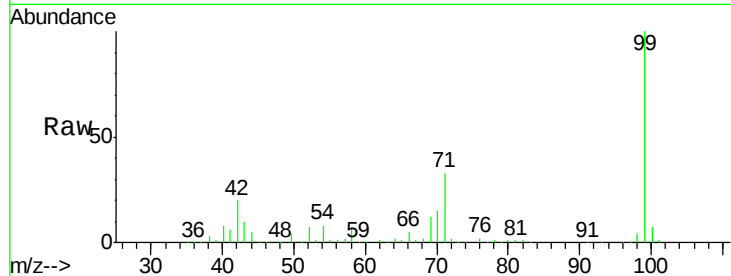
Tgt Ion: 99 Resp: 426092

Ion Ratio Lower Upper

99 100

42 20.2 17.1 25.7

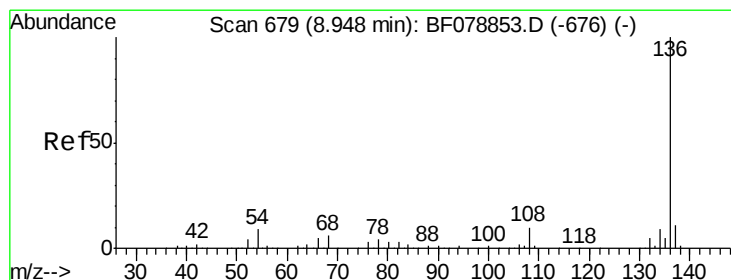
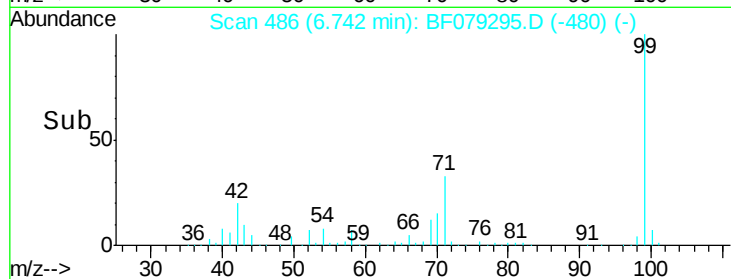
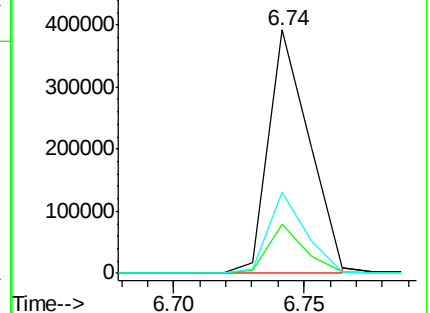
71 33.2 26.3 39.5



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: 8.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

Tgt Ion: 136 Resp: 293401

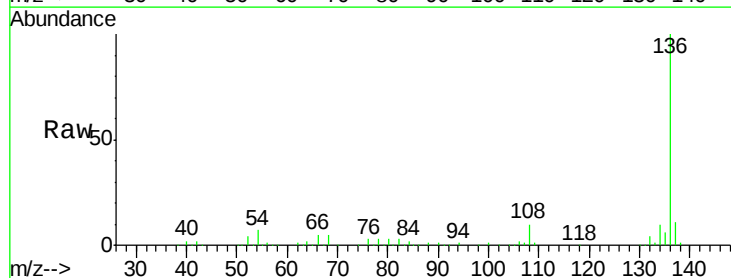
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.9 6.9 10.3

68 5.3 4.9 7.3

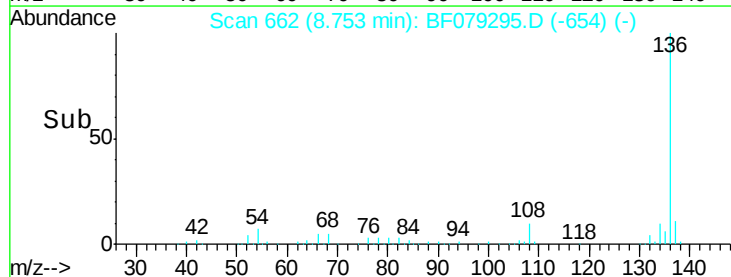
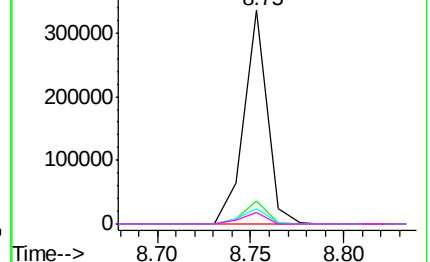


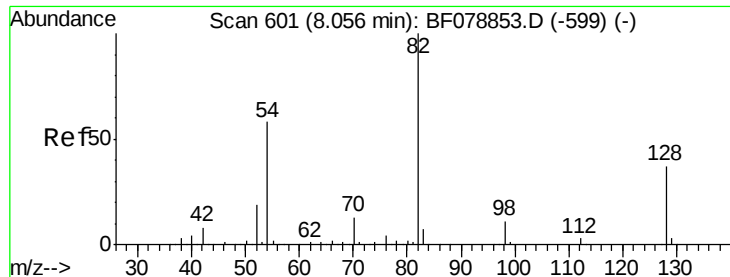
Abundance Ion 136.00 (135.70 to 136.70): E

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

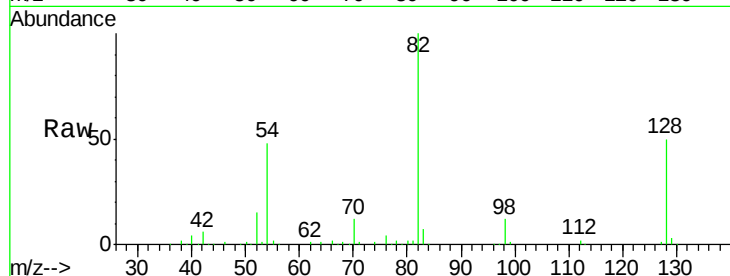




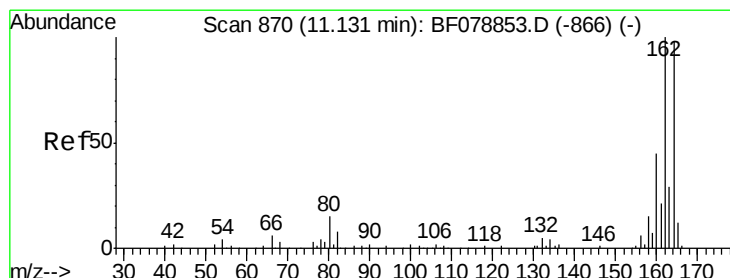
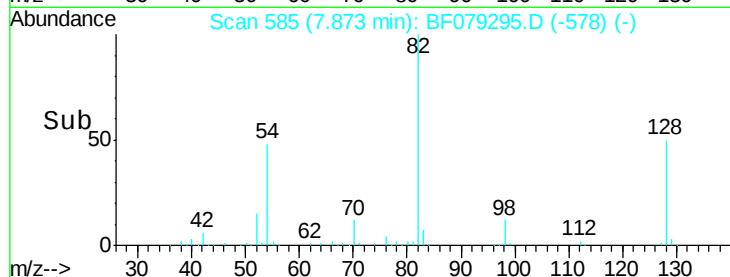
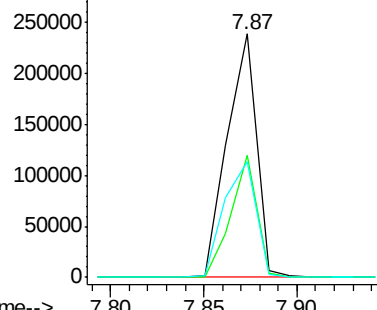
#23
Nitrobenzene-d5
Concen: 50.93 ng
RT: 7.87 min Scan# 585
Delta R.T. 0.00 min
Lab File: BF079295.D
Acq: 16 May 2015 5:47

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion: 82 Resp: 259979
Ion Ratio Lower Upper
82 100
128 50.1 29.7 44.5#
54 47.7 46.2 69.4

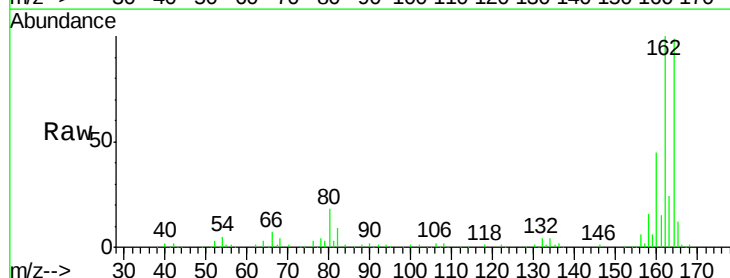


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

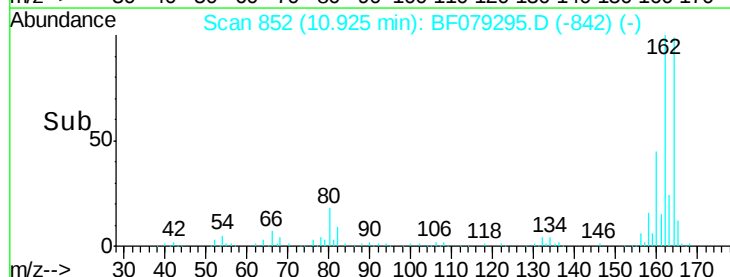
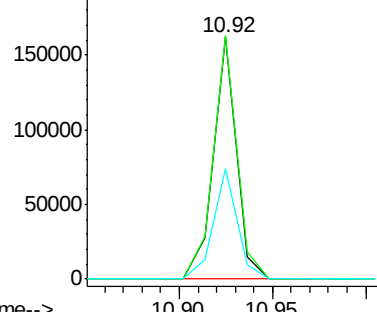


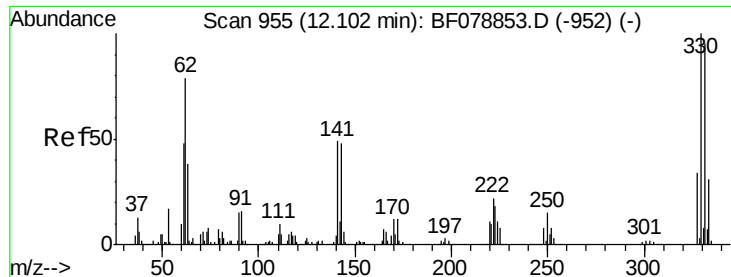
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.92 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF079295.D
Acq: 16 May 2015 5:47

Tgt Ion: 164 Resp: 140450
Ion Ratio Lower Upper
164 100
162 100.5 81.4 122.0
160 45.4 36.6 54.8



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

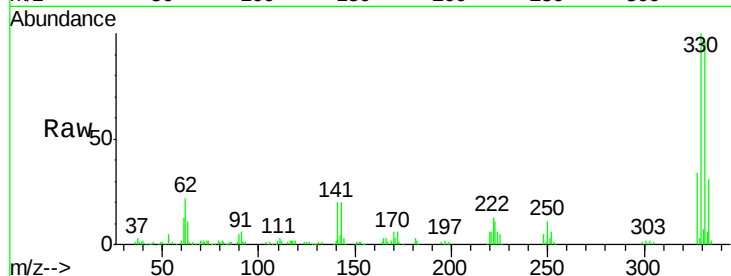




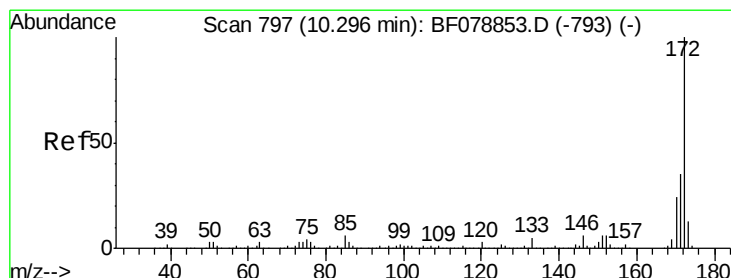
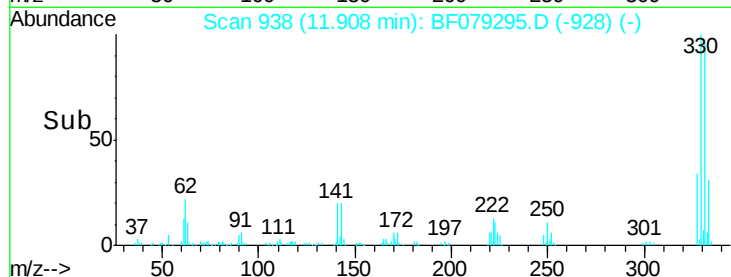
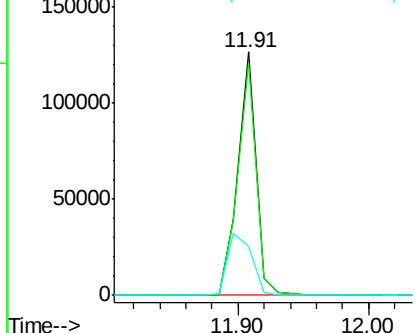
#41
 2,4,6-Tribromophenol
 Concen: 80.77 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF079295.D
 Acq: 16 May 2015 5:47

Instrument :
 BNA_F
 ClientSampleId :
 1

Tgt Ion:330 Resp: 122720
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.9 115.3
 141 33.9 27.8 41.8

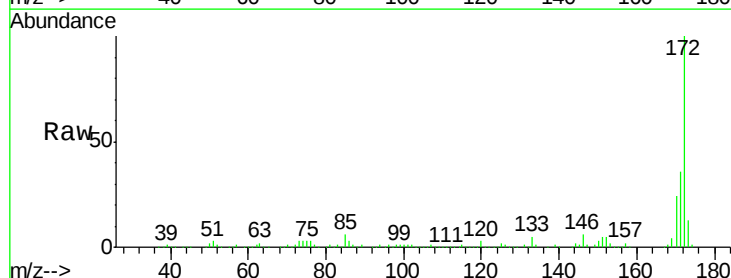


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

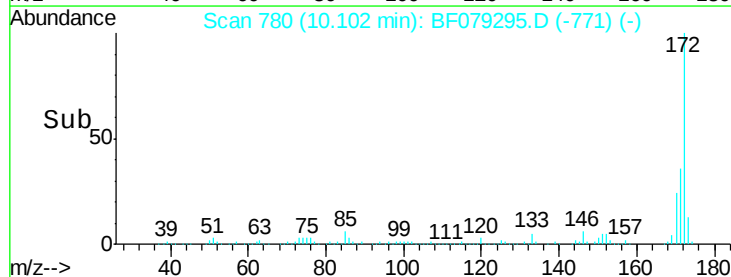
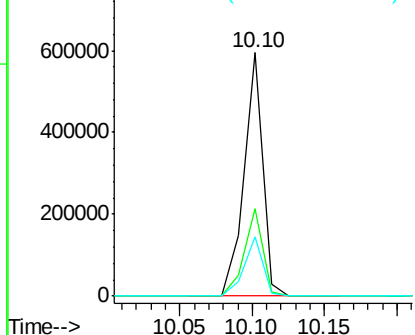


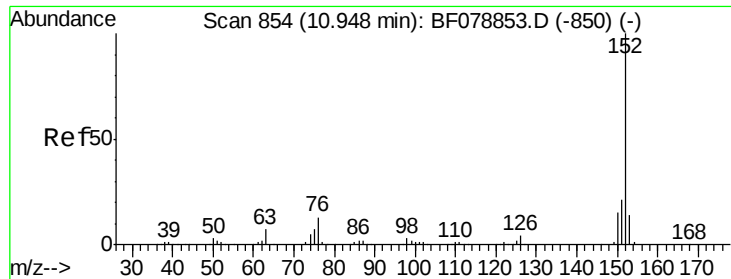
#44
 2-Fluorobiphenyl
 Concen: 52.83 ng
 RT: 10.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF079295.D
 Acq: 16 May 2015 5:47

Tgt Ion:172 Resp: 532563
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.3 42.5
 170 24.1 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





#48

Acenaphthylene

Concen: 2.08 ng

RT: 10.75 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

Instrument :

BNA_F

ClientSampleId :

1

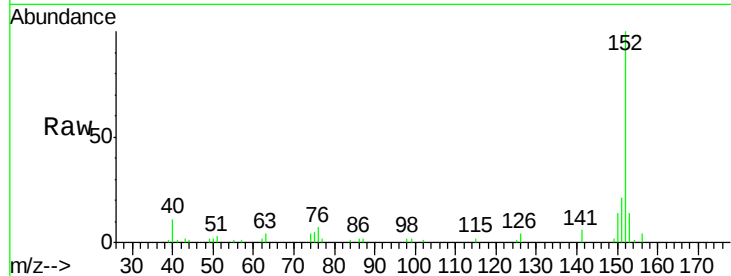
Tgt Ion:152 Resp: 29740

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

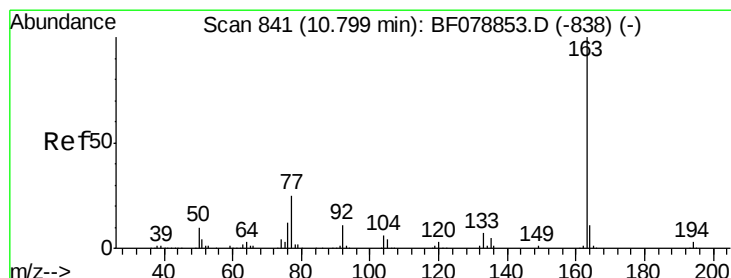
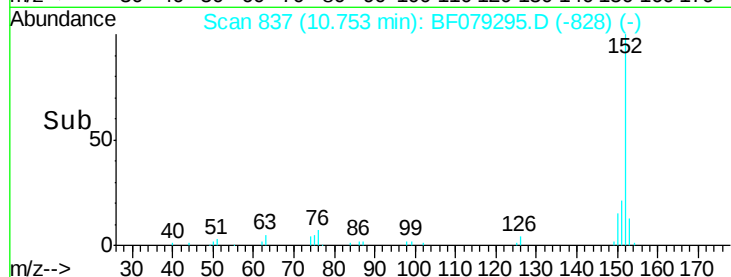
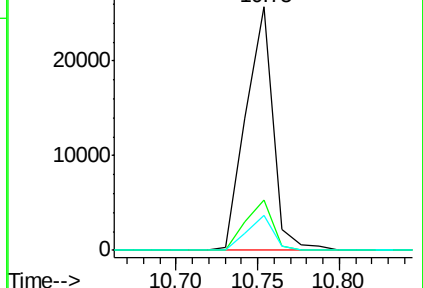
153 14.1 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 3.23 ng

RT: 10.60 min Scan# 824

Delta R.T. -0.01 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

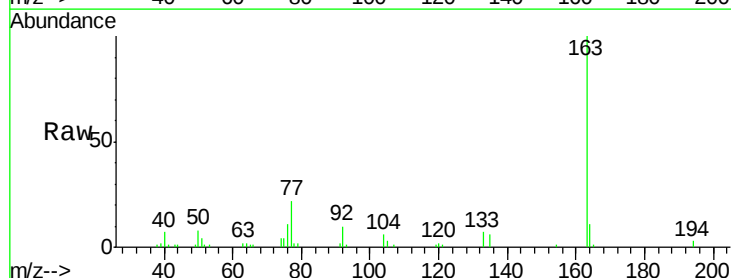
Tgt Ion:163 Resp: 33258

Ion Ratio Lower Upper

163 100

194 3.1 2.4 3.6

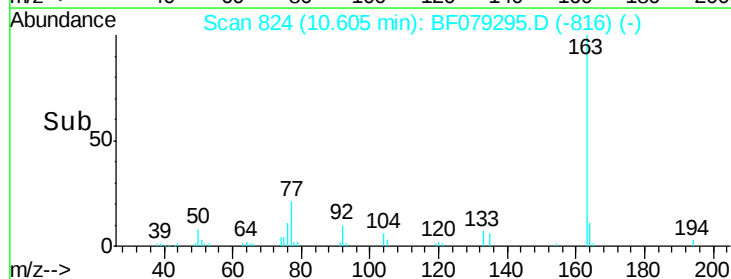
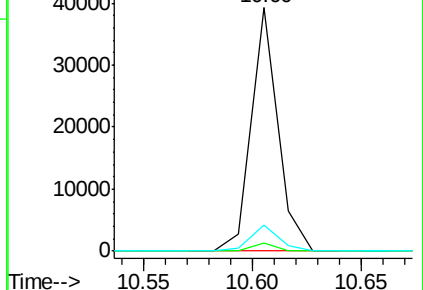
164 10.8 8.6 12.8

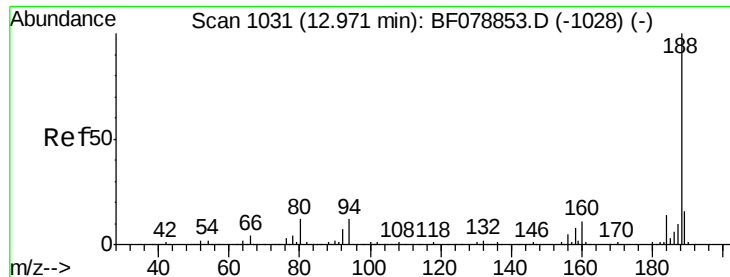


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

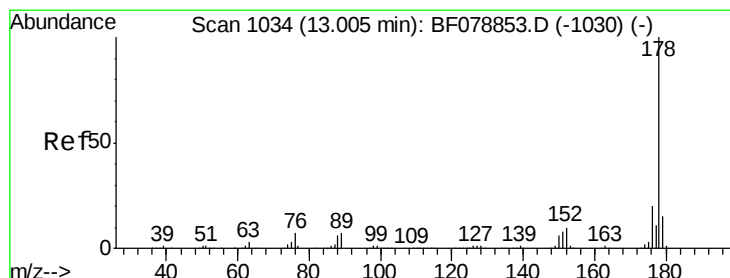
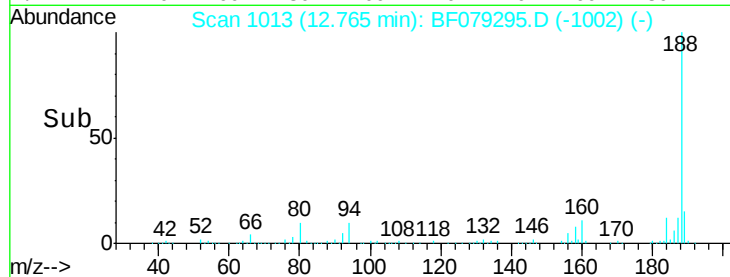
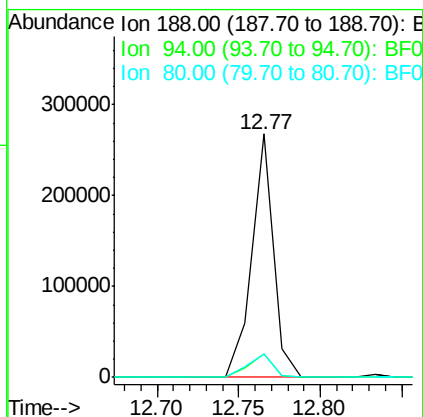
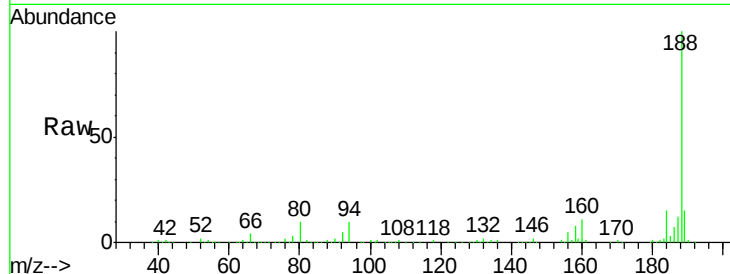




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.77 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: BF079295.D
 Acq: 16 May 2015 5:47

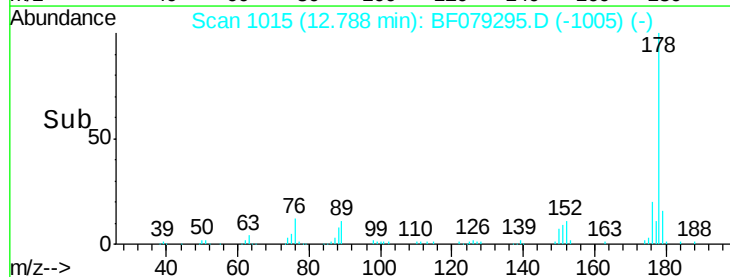
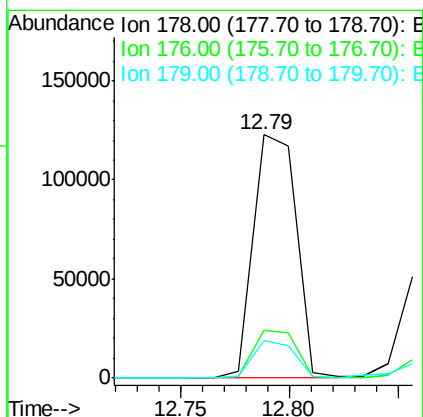
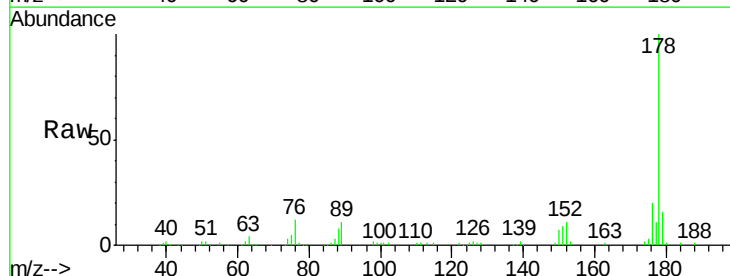
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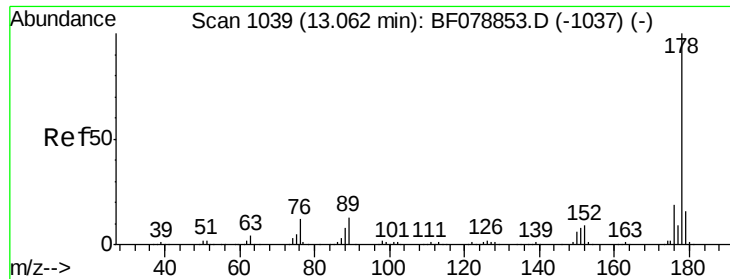
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	247998		
94	9.7		9.4	14.0
80	9.6		9.8	14.6#



#70
 Phenanthrene
 Concen: 12.22 ng
 RT: 12.79 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BF079295.D
 Acq: 16 May 2015 5:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	169507		
176	19.6		15.9	23.9
179	15.6		12.2	18.4

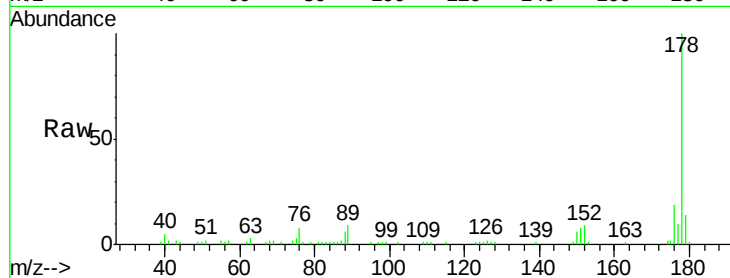




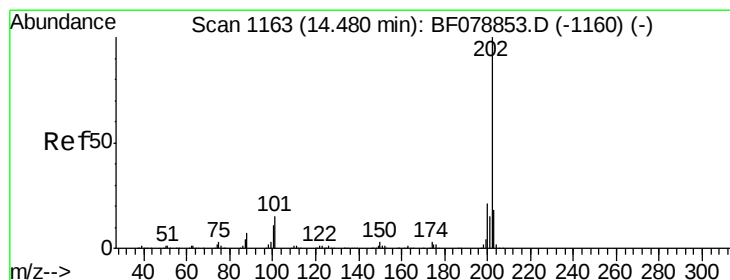
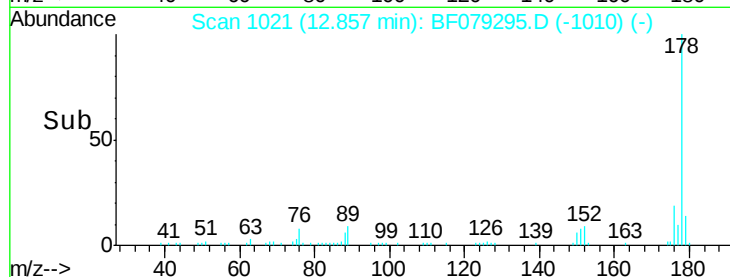
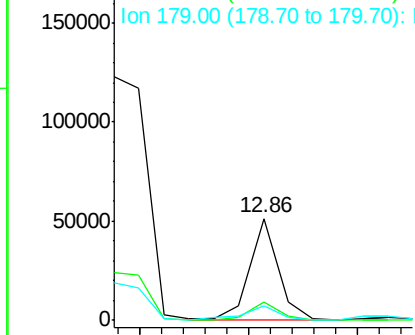
#71
 Anthracene
 Concen: 3.41 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BF079295.D
 Acq: 16 May 2015 5:47

Instrument :
 BNA_F
 ClientSampleId :
 1

Tgt Ion:178 Resp: 46357
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.3 22.9
 179 14.2 12.6 19.0

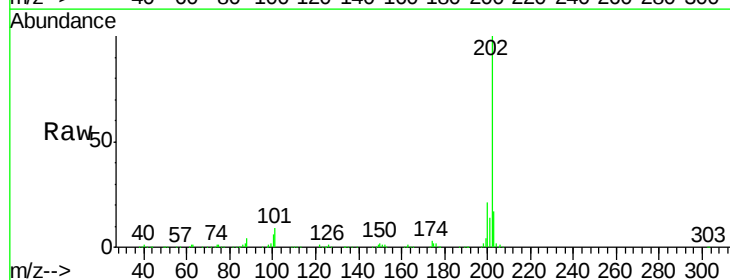


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

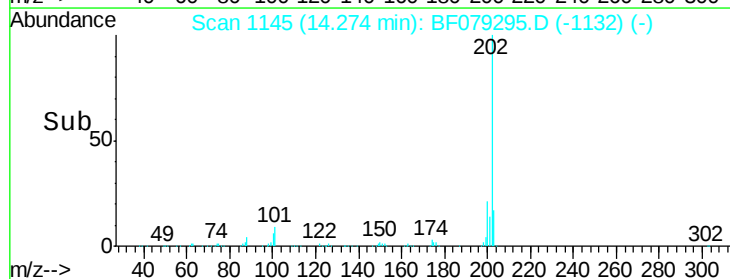
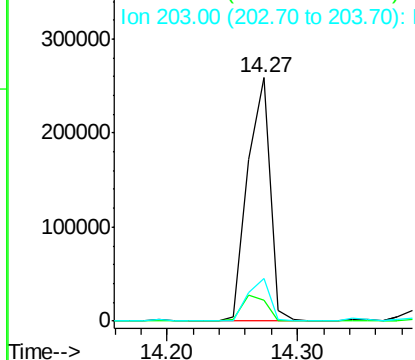


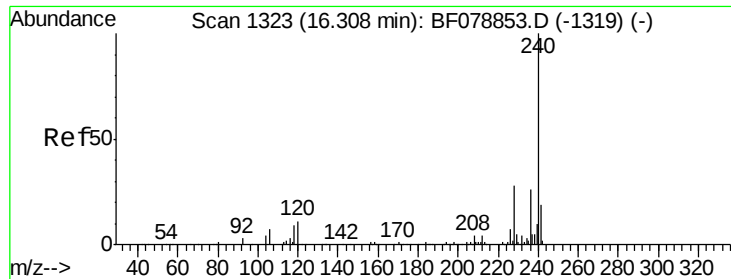
#74
 Fluoranthene
 Concen: 21.22 ng
 RT: 14.27 min Scan# 1145
 Delta R.T. 0.00 min
 Lab File: BF079295.D
 Acq: 16 May 2015 5:47

Tgt Ion:202 Resp: 306843
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 34.7
 203 17.3 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

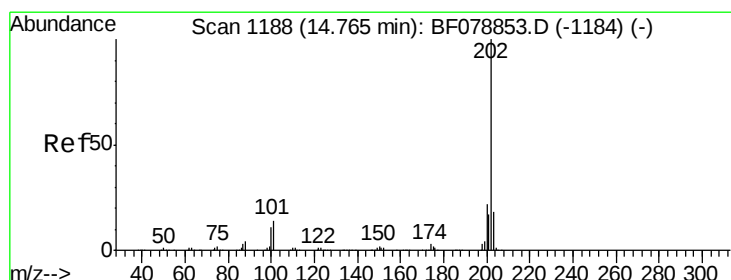
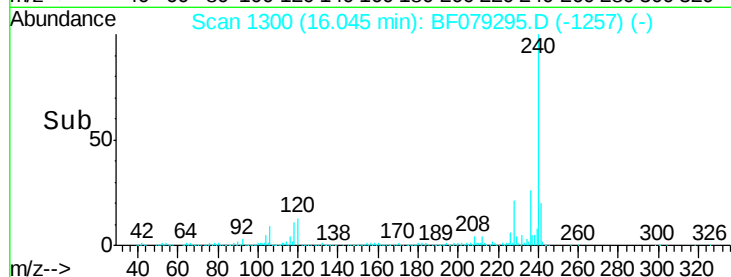
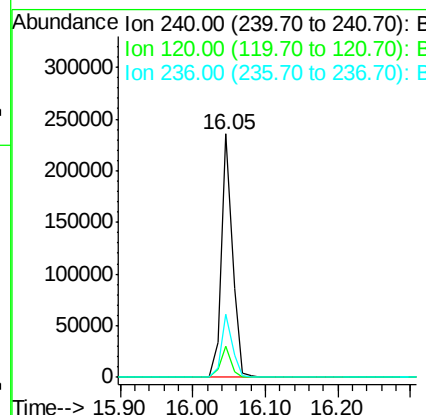
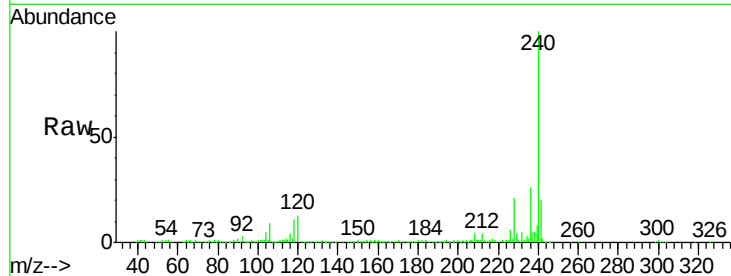




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.05 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF079295.D
Acq: 16 May 2015 5:47

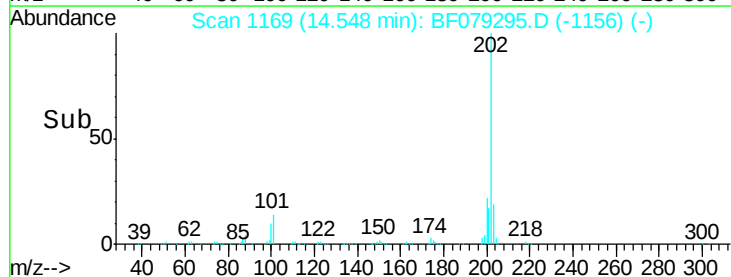
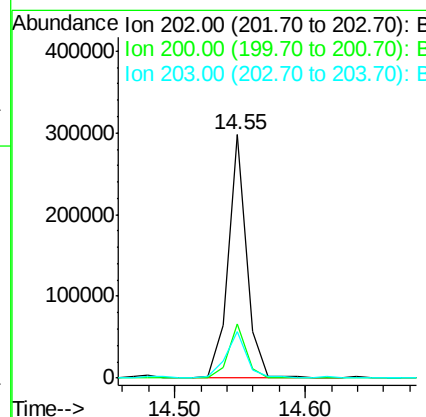
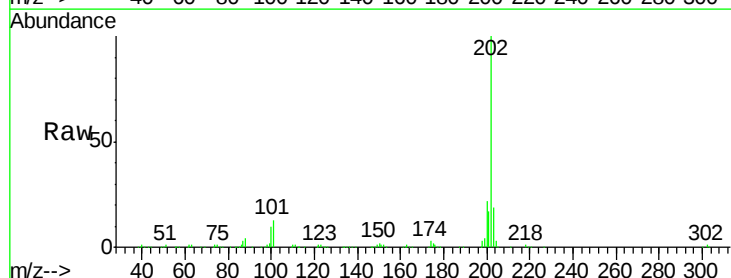
Instrument :
BNA_F
ClientSampleId :
1

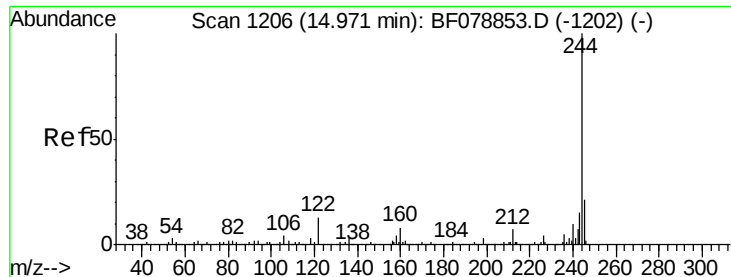
Tgt Ion:240 Resp: 250687
Ion Ratio Lower Upper
240 100
120 13.0 8.6 12.8#
236 26.2 21.0 31.6



#77
Pyrene
Concen: 20.12 ng
RT: 14.55 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF079295.D
Acq: 16 May 2015 5:47

Tgt Ion:202 Resp: 290645
Ion Ratio Lower Upper
202 100
200 22.0 17.5 26.3
203 18.9 14.7 22.1





#78

Terphenyl-d14

Concen: 50.64 ng

RT: 14.77 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

Instrument :

BNA_F

ClientSampled :

1

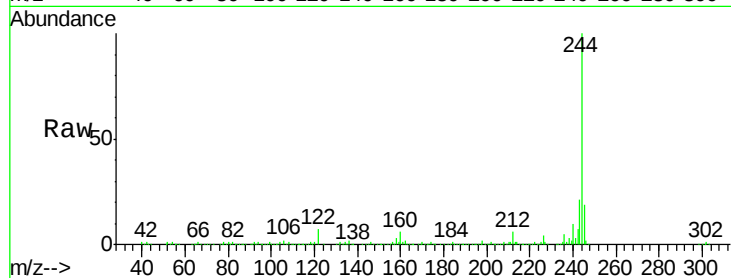
Tgt Ion:244 Resp: 530281

Ion Ratio Lower Upper

244 100

212 5.9 5.6 8.4

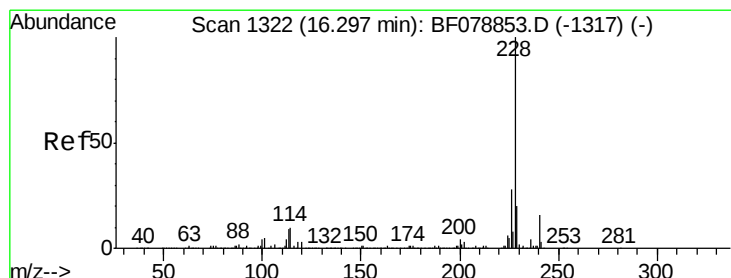
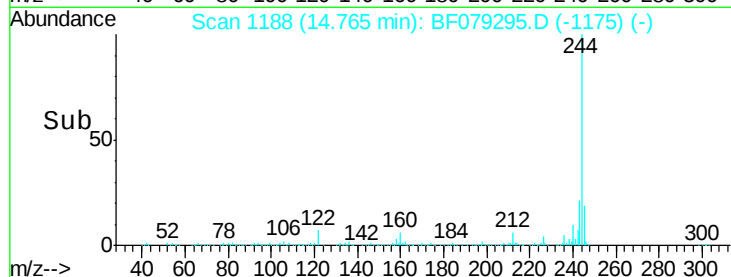
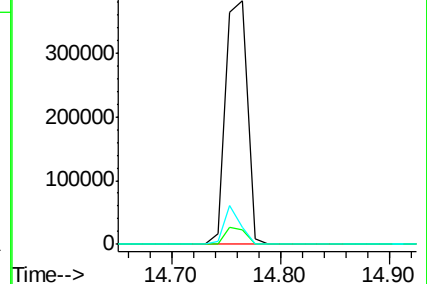
122 7.2 10.5 15.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.70 ng

RT: 16.08 min Scan# 1303

Delta R.T. 0.05 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

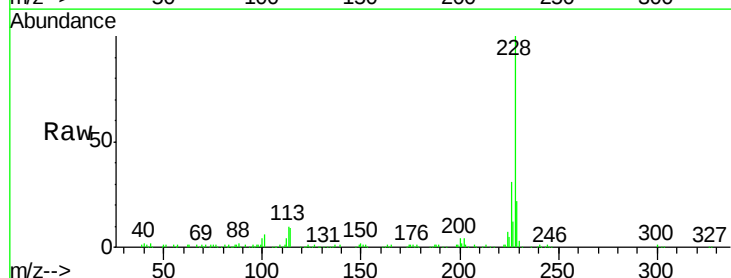
Tgt Ion:228 Resp: 133192

Ion Ratio Lower Upper

228 100

226 30.9 22.3 33.5

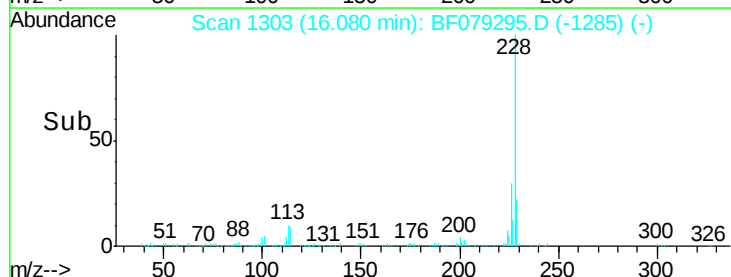
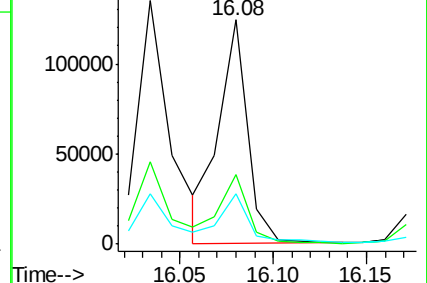
229 22.4 16.1 24.1

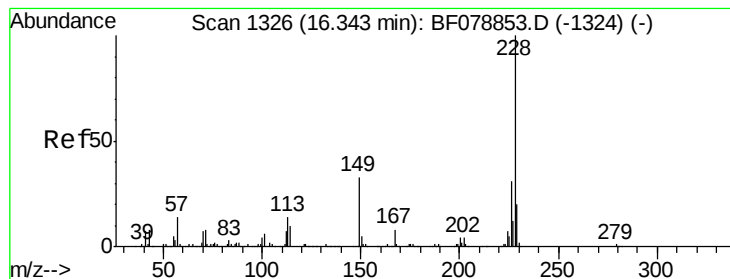


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.06 ng

RT: 16.08 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

Instrument :

BNA_F

ClientSampleId :

1

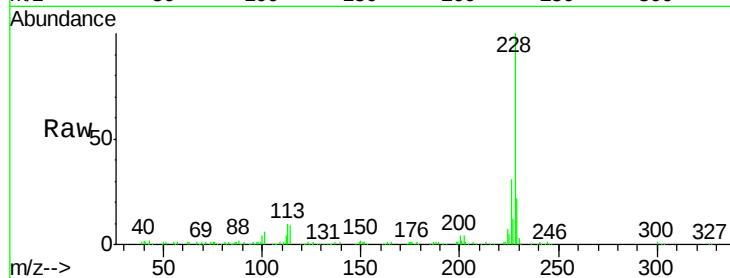
Tgt Ion:228 Resp: 132784

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

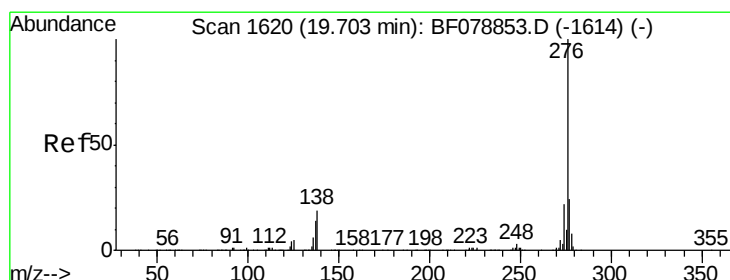
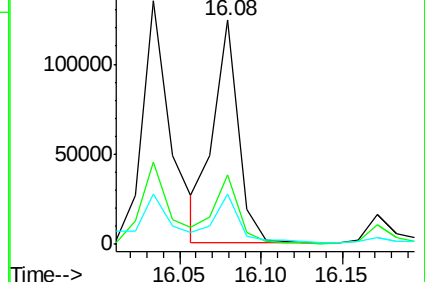
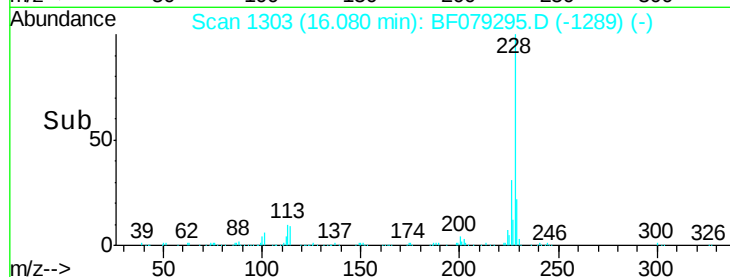
229 22.4 16.1 24.1



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: 6.32 ng

RT: 19.13 min Scan# 1570

Delta R.T. -0.03 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

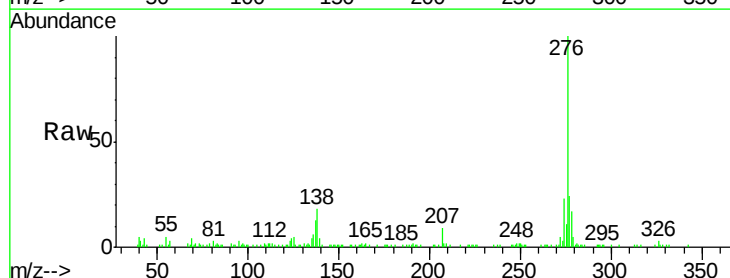
Tgt Ion:276 Resp: 106339

Ion Ratio Lower Upper

276 100

138 22.3 21.1 31.7

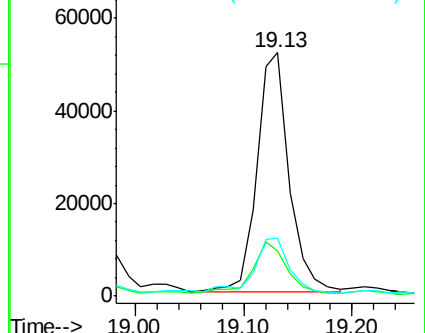
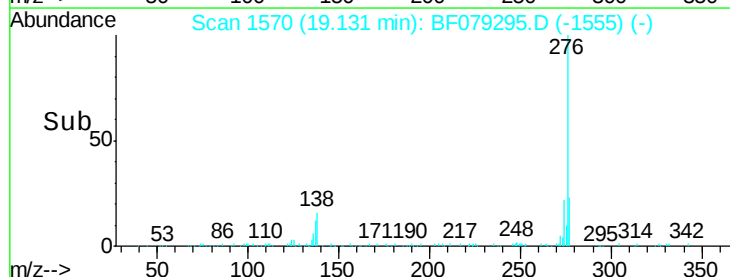
277 26.2 19.9 29.9

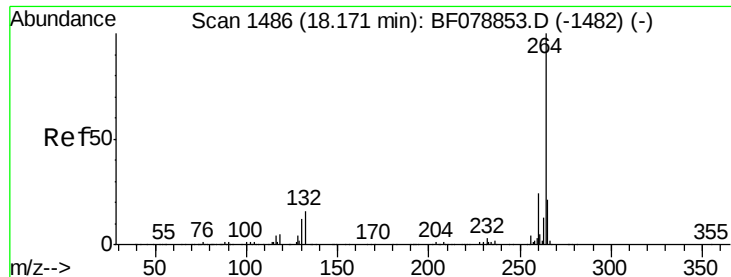


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

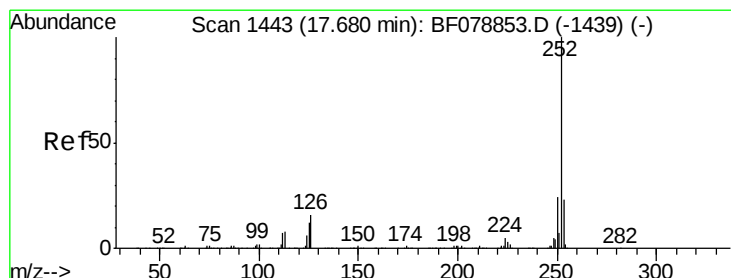
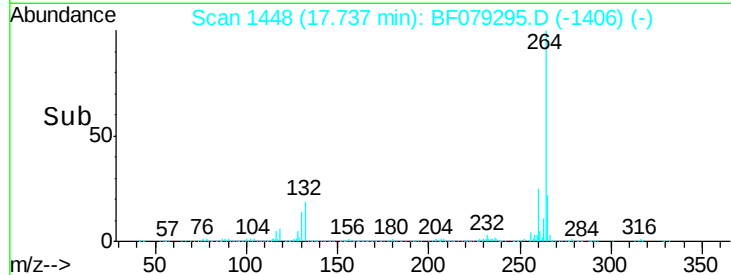
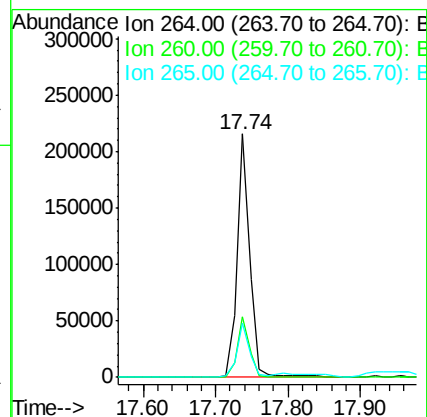
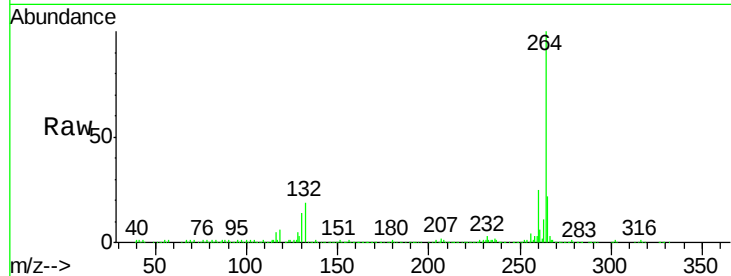




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.74 min Scan# 1448
Delta R.T. -0.02 min
Lab File: BF079295.D
Acq: 16 May 2015 5:47

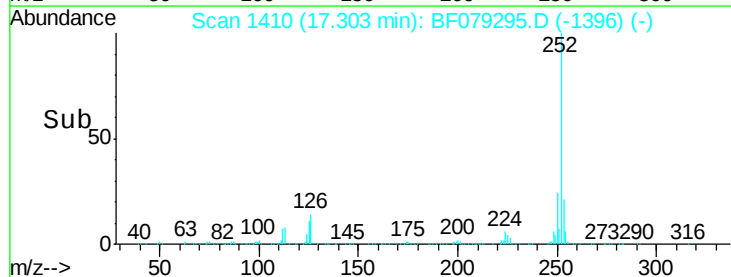
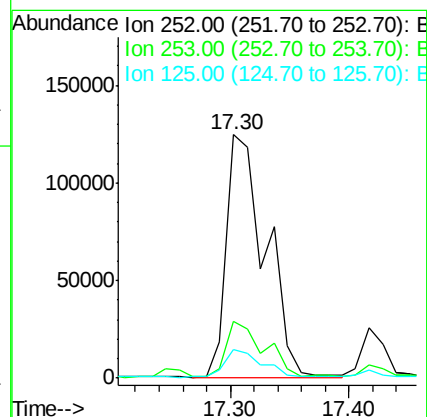
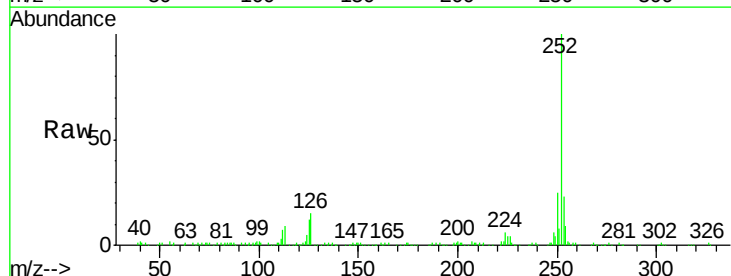
Instrument :
BNA_F
ClientSampleId :
1

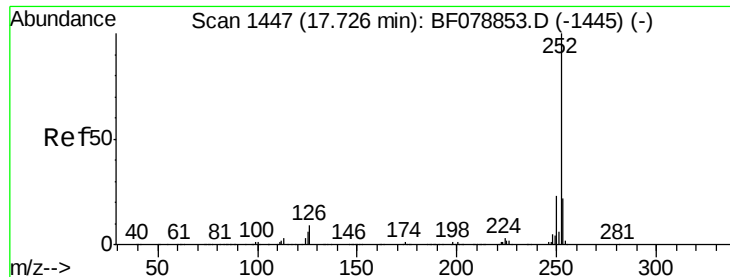
Tgt Ion: 264 Resp: 259721
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 22.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 20.03 ng
RT: 17.30 min Scan# 1410
Delta R.T. -0.02 min
Lab File: BF079295.D
Acq: 16 May 2015 5:47

Tgt Ion: 252 Resp: 284786
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 11.8 9.4 14.2

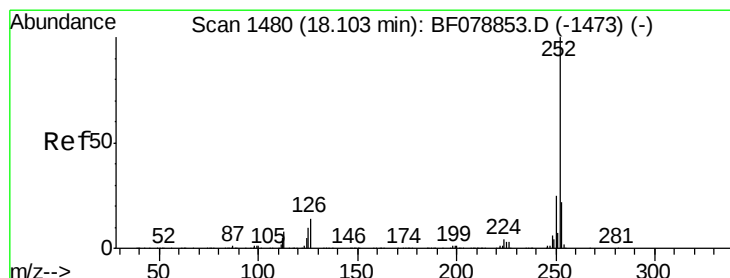
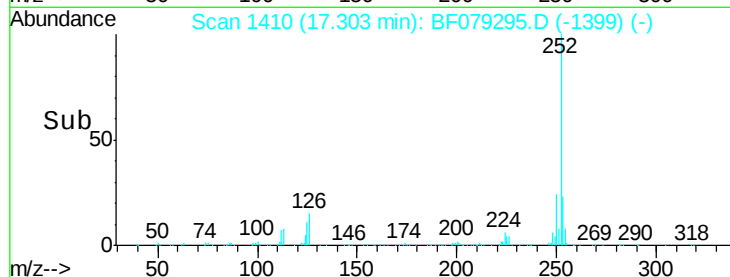
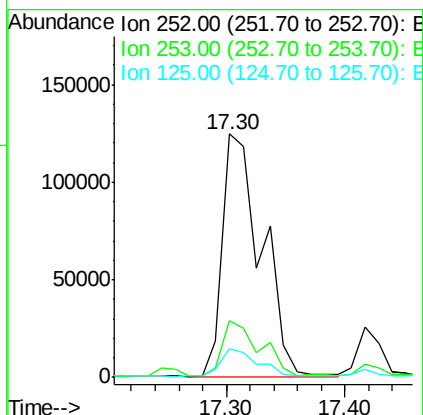
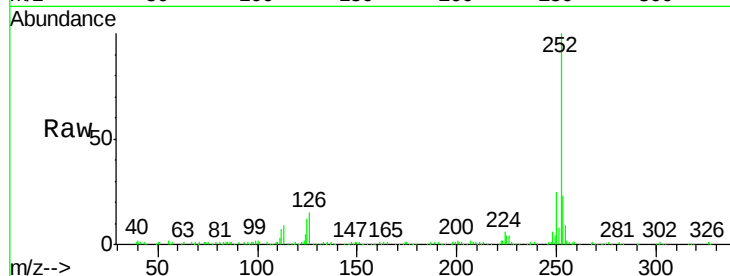




#88
Benzo(k)fluoranthene
Concen: 20.69 ng
RT: 17.30 min Scan# 1410
Delta R.T. -0.06 min
Lab File: BF079295.D
Acq: 16 May 2015 5:47

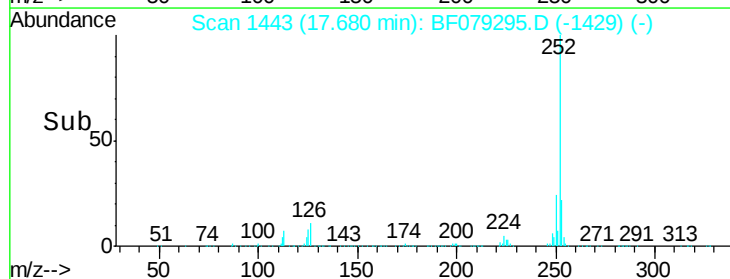
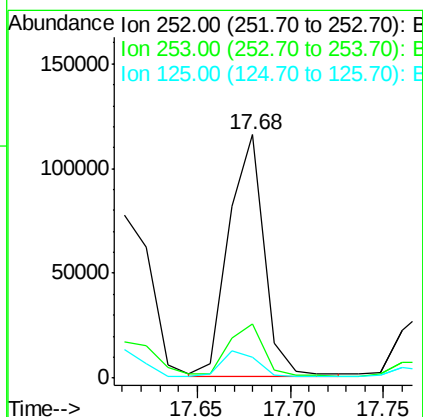
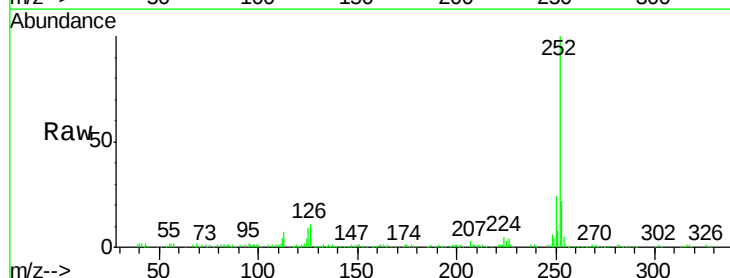
Instrument :
BNA_F
ClientSampleId :
1

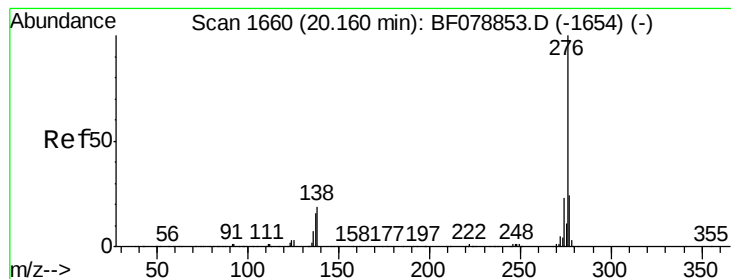
Tgt Ion: 252 Resp: 284786
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.8 6.1 9.1#



#89
Benzo(a)pyrene
Concen: 11.68 ng
RT: 17.68 min Scan# 1443
Delta R.T. -0.02 min
Lab File: BF079295.D
Acq: 16 May 2015 5:47

Tgt Ion: 252 Resp: 152825
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 8.7 8.2 12.2





#91

Benzo(g,h,i)perylene

Concen: 7.83 ng

RT: 19.53 min Scan# 1605

Delta R.T. -0.05 min

Lab File: BF079295.D

Acq: 16 May 2015 5:47

Instrument :

BNA_F

ClientSampleId :

1

Tgt Ion: 276 Resp: 109131

Ion Ratio Lower Upper

276 100

277 25.0 18.8 28.2

138 24.2 15.2 22.8#

