

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BECCAL06.D
 Acq On : 31 Jan 2015 16:48
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 76 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 02 02:59:06 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE013015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 31 05:05:18 2015
 Response via : Initial Calibration

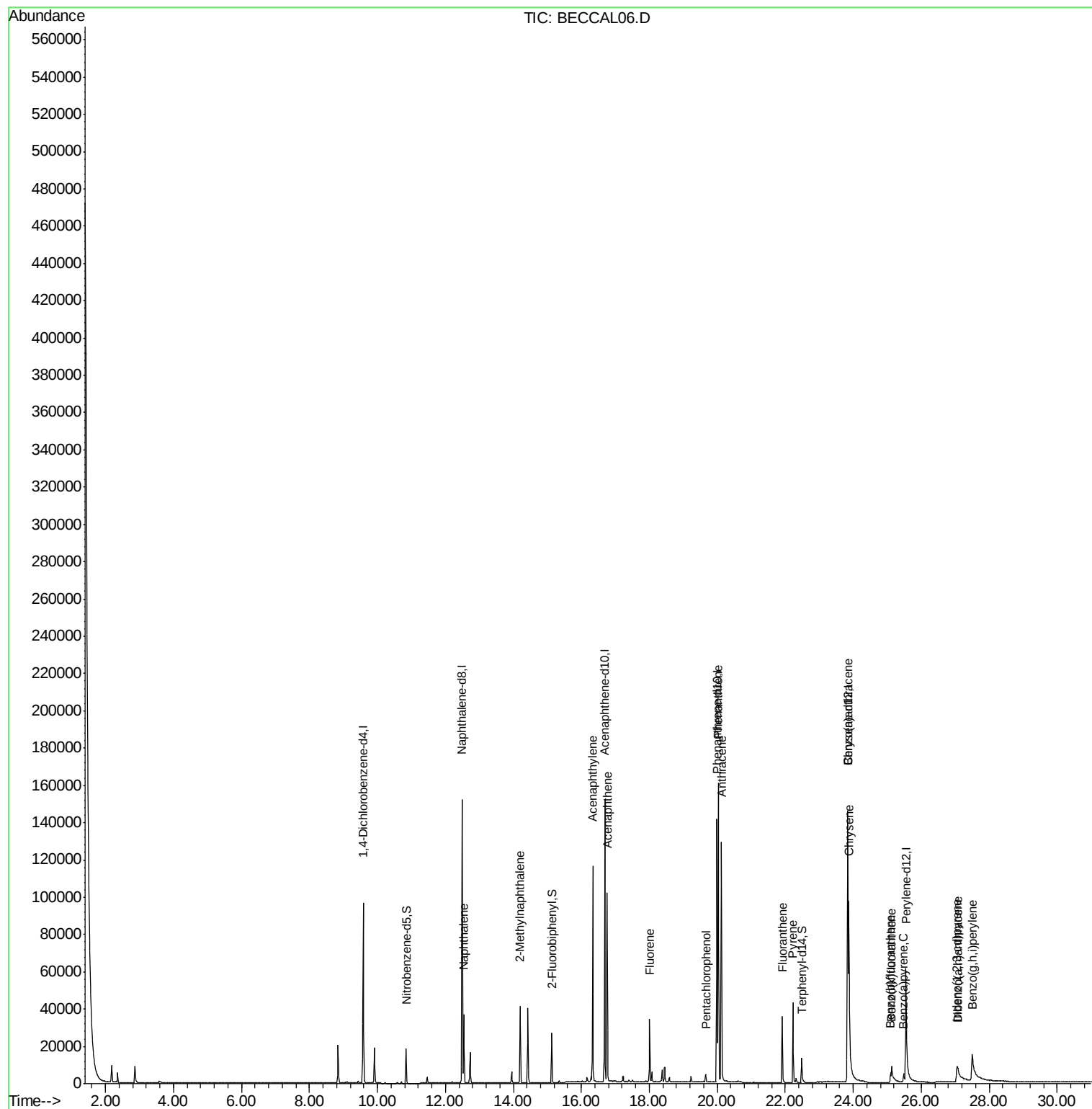
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	38963	5.00	ng	0.00
2) Naphthalene-d8	12.49	136	164754	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	85843	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	140380	5.00	ng	0.00
16) Chrysene-d12	23.84	240	113292	5.00	ng	0.00
22) Perylene-d12	25.55	264	91766	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	10.84	82	12898	1.18	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	23520	1.04	ng	0.00
18) Terphenyl-d14	22.48	244	18536	1.09	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	12.54	128	40070	1.04	ng	99
5) 2-Methylnaphthalene	14.20	142	24980	1.07	ng	98
8) Acenaphthylene	16.33	152	140866	0.91	ng	100
9) Acenaphthene	16.76	154	22102	0.95	ng	99
10) Fluorene	18.01	166	24530	0.95	ng	99
12) Pentachlorophenol	19.66	266	2741	3.37	ng	95
13) Phenanthrene	20.03	178	143348	1.04	ng	100
14) Anthracene	20.12	178	126863	1.01	ng	99
15) Fluoranthene	21.91	202	29299	0.97	ng	99
17) Pyrene	22.23	202	32236	1.07	ng	99
19) Benzo(a)anthracene	23.83	228	72017	0.75	ng	98
20) Chrysene	23.87	228	123161	1.14	ng	95
21) Indeno(1,2,3-cd)pyrene	27.05	276	27210	0.29	ng	# 88
23) Benzo(b)fluoranthene	25.10	252	5470	0.51	ng	96
24) Benzo(k)fluoranthene	25.13	252	23632	1.01	ng	98
25) Benzo(a)pyrene	25.48	252	7928	0.59	ng	# 94
26) Dibenzo(a,h)anthracene	27.08	278	5047	0.39	ng	95
27) Benzo(g,h,i)perylene	27.51	276	51361	0.70	ng	98

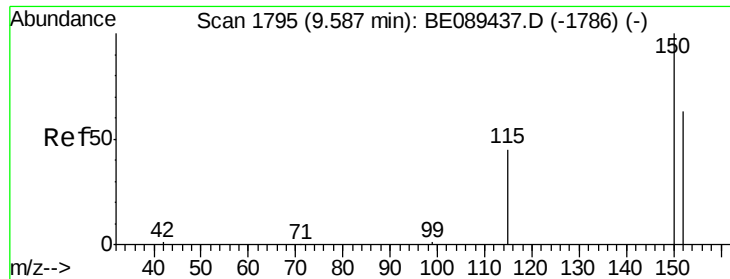
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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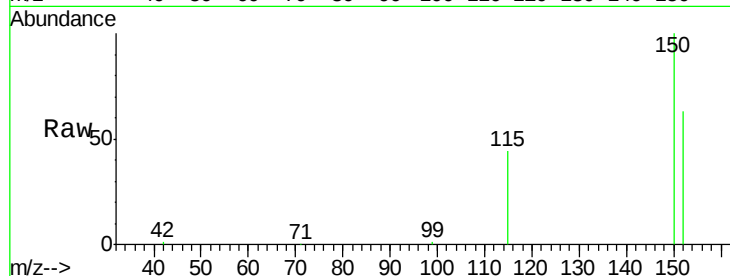




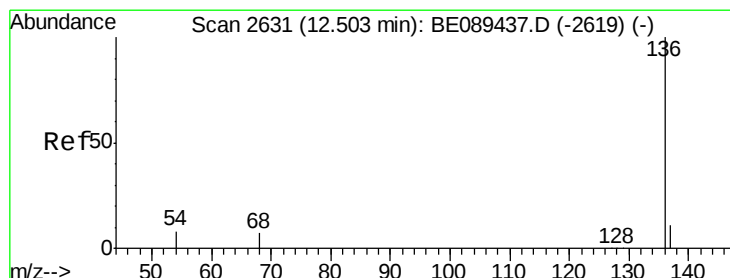
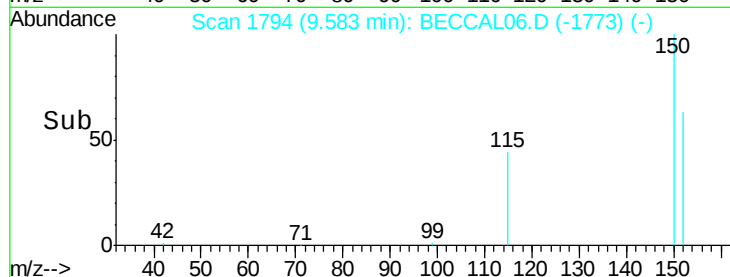
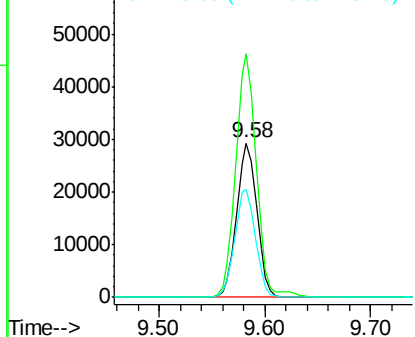
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 9.58 min Scan# 1794
 Delta R.T. -0.00 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:152 Resp: 38963
 Ion Ratio Lower Upper
 152 100
 150 157.8 127.2 190.8
 115 70.2 57.5 86.3

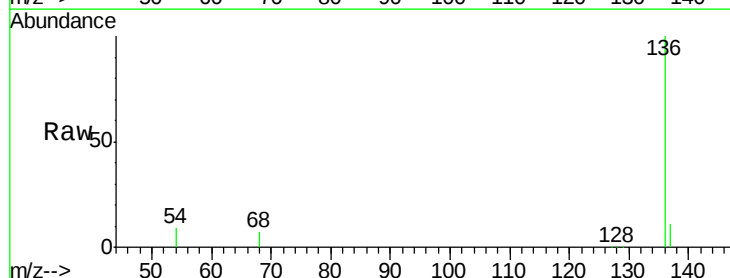


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

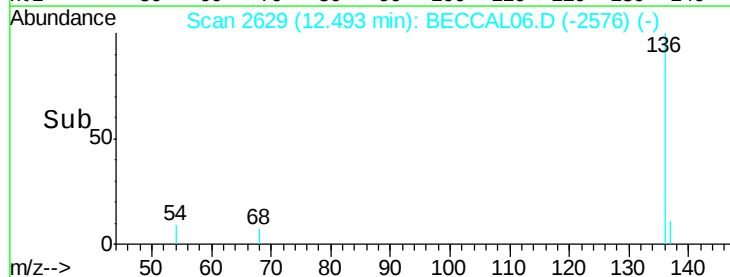
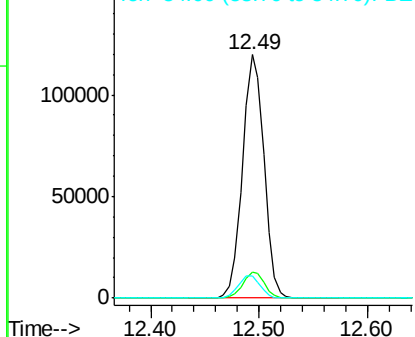


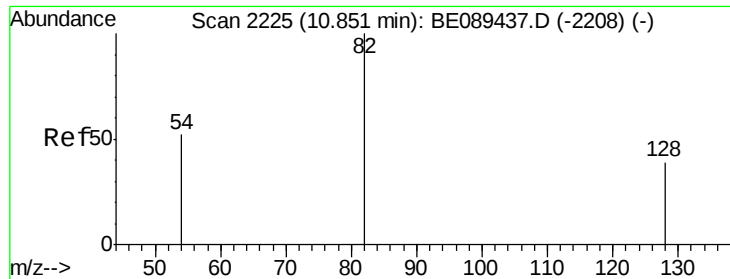
#2
 Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.49 min Scan# 2629
 Delta R.T. -0.01 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

Tgt Ion:136 Resp: 164754
 Ion Ratio Lower Upper
 136 100
 137 10.7 8.7 13.1
 54 9.1 6.6 10.0



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): BEC





#3

Nitrobenzene-d5

Concen: 1.18 ng

RT: 10.84 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

Instrument :

BNA_E

ClientSampleId :

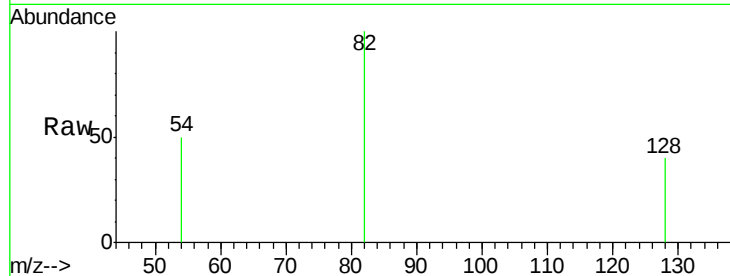
Tgt Ion: 82 Resp: 12898

Ion Ratio Lower Upper

82 100

128 39.7 31.2 46.8

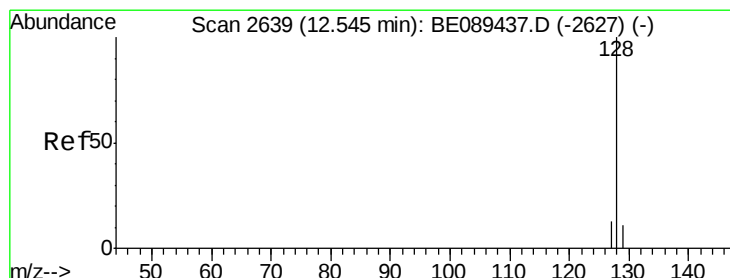
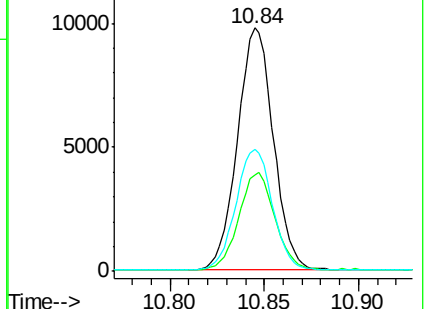
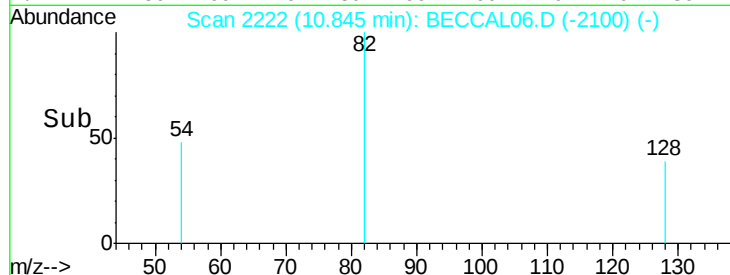
54 50.2 41.9 62.9



Abundance Ion 82.00 (81.70 to 82.70): BECCAL06.D (-2100) (-)

Ion 128.00 (127.70 to 128.70): BECCAL06.D (-2100) (-)

Ion 54.00 (53.70 to 54.70): BECCAL06.D (-2100) (-)



#4

Naphthalene

Concen: 1.04 ng

RT: 12.54 min Scan# 2638

Delta R.T. -0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

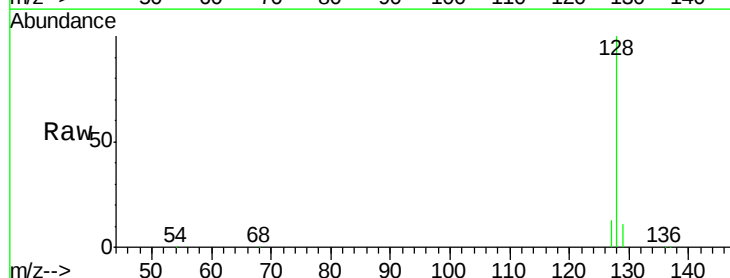
Tgt Ion: 128 Resp: 40070

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

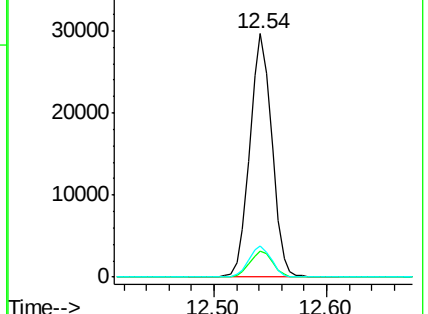
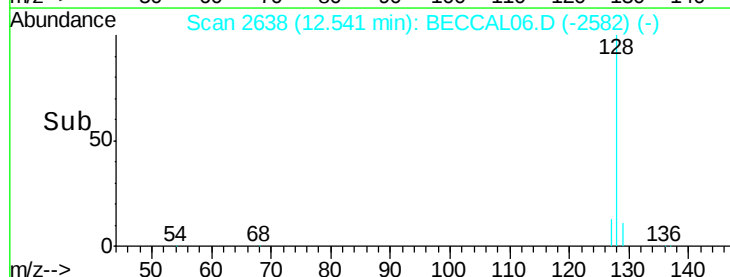
127 12.7 10.6 16.0

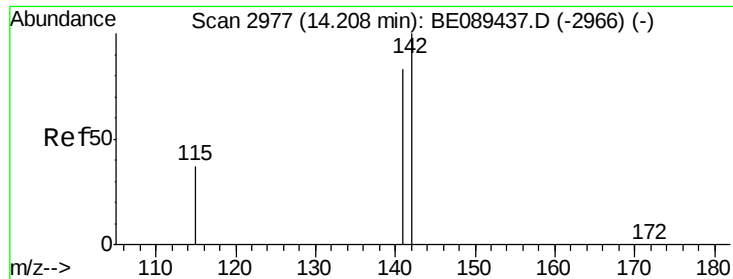


Abundance Ion 128.00 (127.70 to 128.70): BECCAL06.D (-2582) (-)

Ion 129.00 (128.70 to 129.70): BECCAL06.D (-2582) (-)

Ion 127.00 (126.70 to 127.70): BECCAL06.D (-2582) (-)





#5

2-Methylnaphthalene

Concen: 1.07 ng

RT: 14.20 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BECCAL06.D

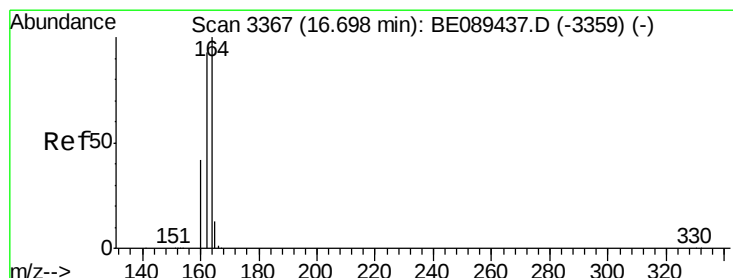
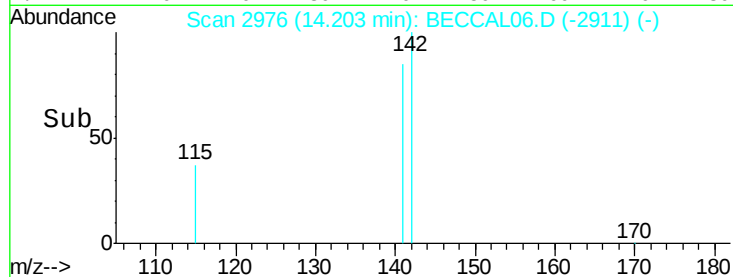
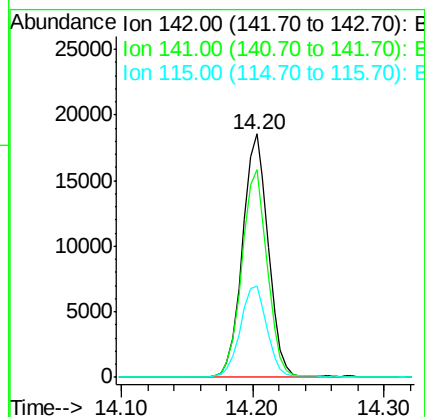
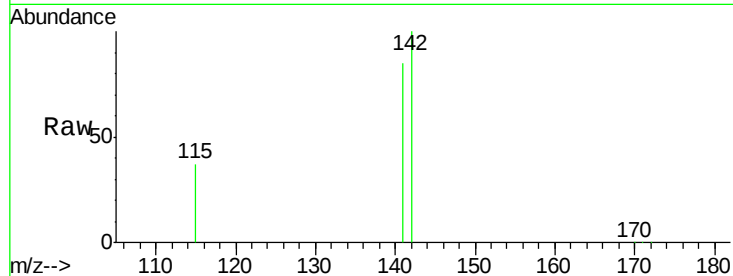
Acq: 31 Jan 2015 16:48

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	142	Resp:	24980
Ion	Ratio	Lower	Upper
142	100		
141	85.3	66.1	99.1
115	37.3	29.9	44.9



#6

Acenaphthene-d10

Concen: 5.00 ng

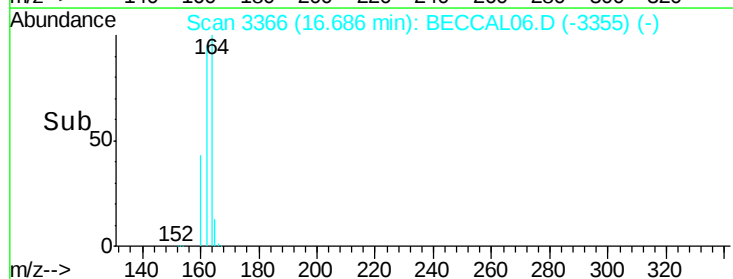
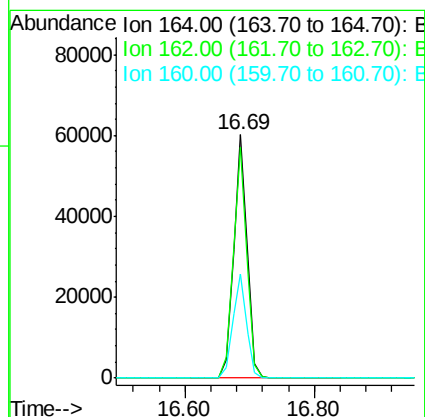
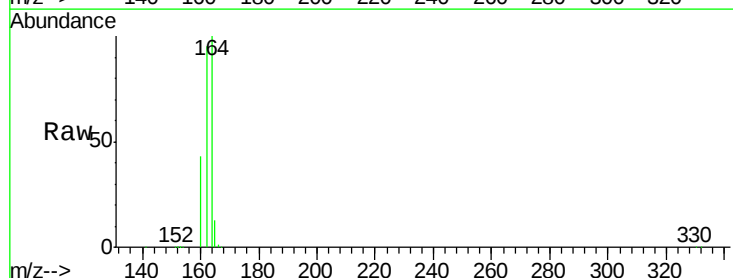
RT: 16.69 min Scan# 3366

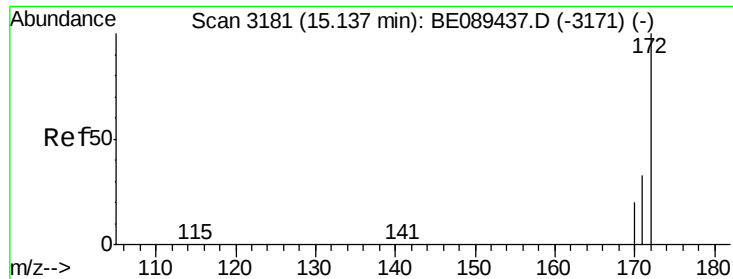
Delta R.T. -0.01 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

Tgt Ion:	164	Resp:	85843
Ion	Ratio	Lower	Upper
164	100		
162	94.7	74.7	112.1
160	42.7	33.4	50.0





#7

2-Fluorobiphenyl

Concen: 1.04 ng

RT: 15.13 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

Instrument :

BNA_E

ClientSampleId :

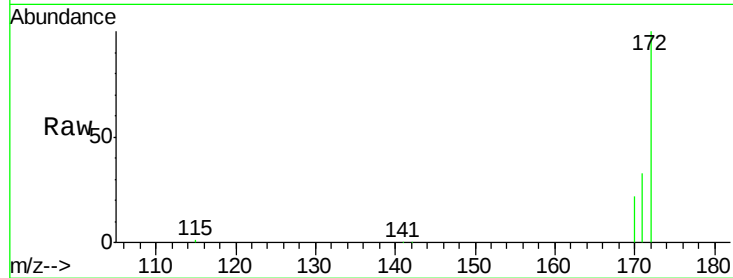
Tgt Ion:172 Resp: 23520

Ion Ratio Lower Upper

172 100

171 33.3 26.2 39.4

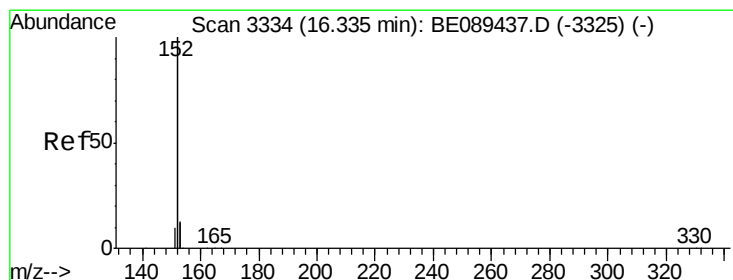
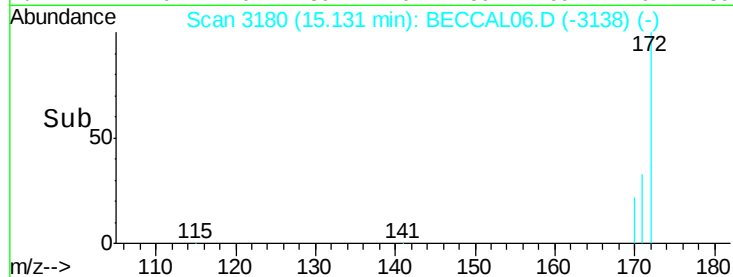
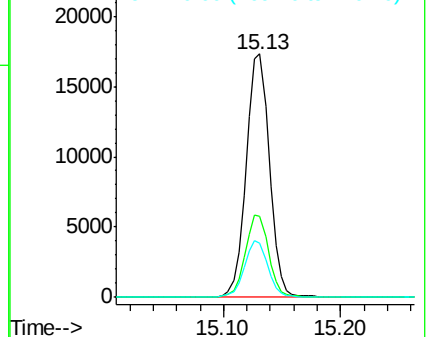
170 22.0 16.5 24.7



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



#8

Acenaphthylene

Concen: 0.91 ng

RT: 16.33 min Scan# 3334

Delta R.T. -0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

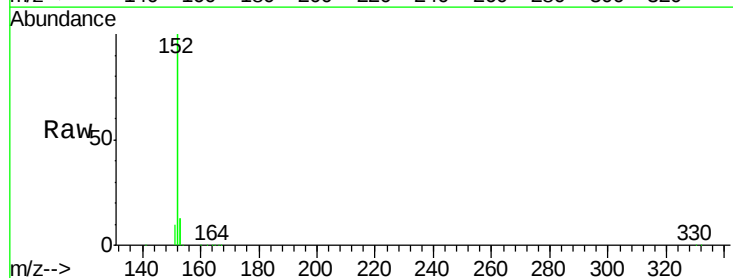
Tgt Ion:152 Resp: 140866

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

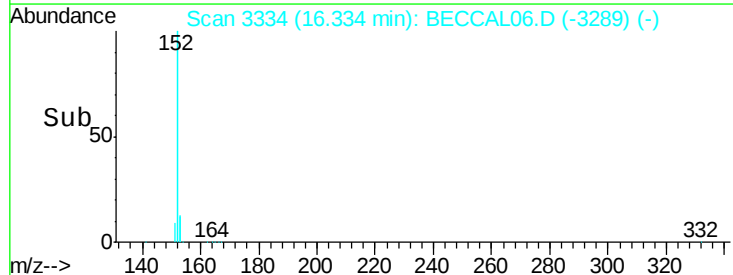
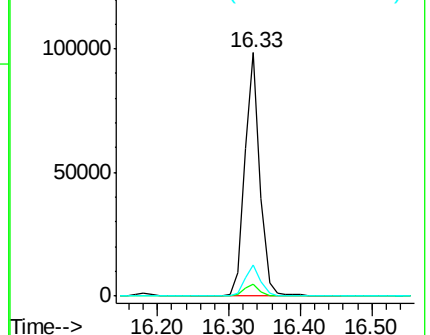
153 12.9 10.3 15.5

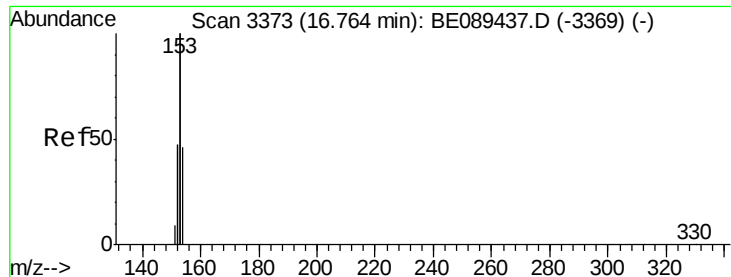


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.95 ng

RT: 16.76 min Scan# 3373

Delta R.T. -0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

Instrument :

BNA_E

ClientSampleId :

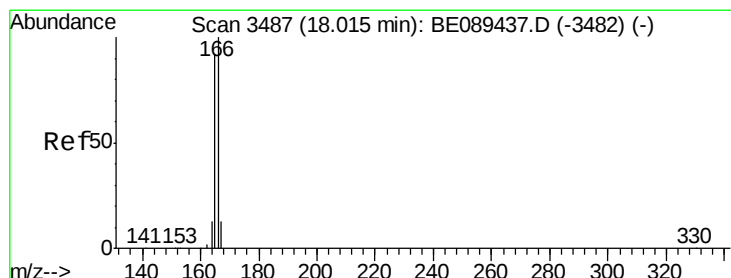
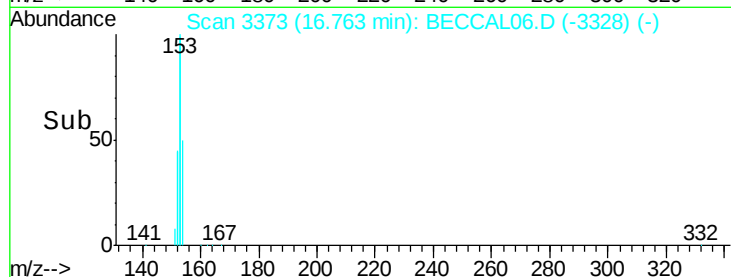
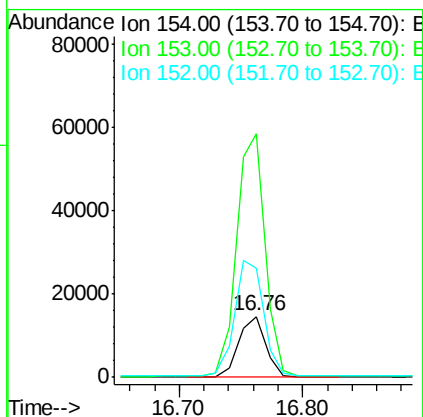
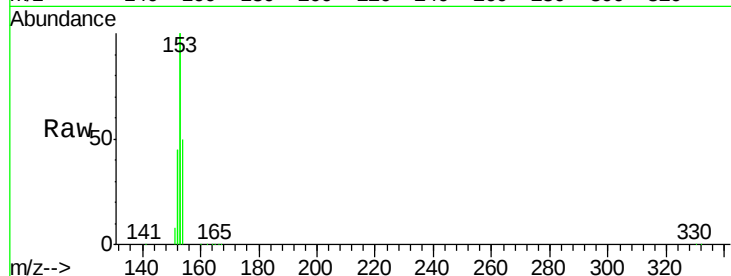
Tgt Ion:154 Resp: 22102

Ion Ratio Lower Upper

154 100

153 425.2 342.3 513.5

152 207.4 165.5 248.3



#10

Fluorene

Concen: 0.95 ng

RT: 18.01 min Scan# 3487

Delta R.T. -0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

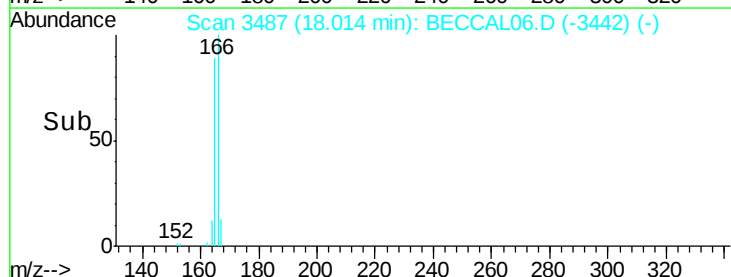
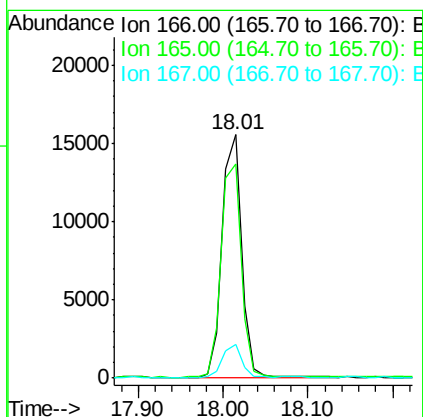
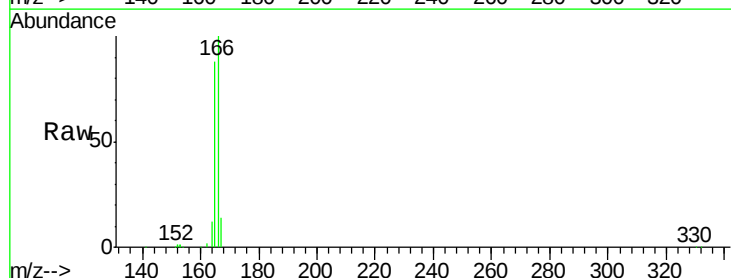
Tgt Ion:166 Resp: 24530

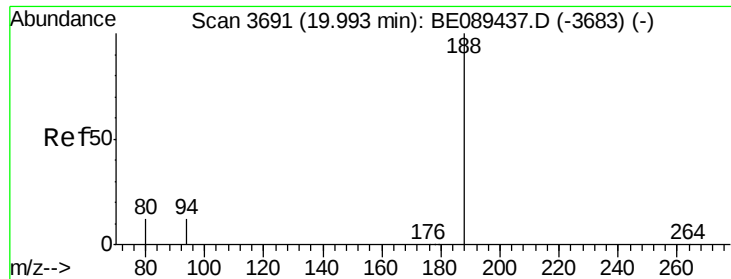
Ion Ratio Lower Upper

166 100

165 91.7 74.4 111.6

167 13.3 10.6 15.8

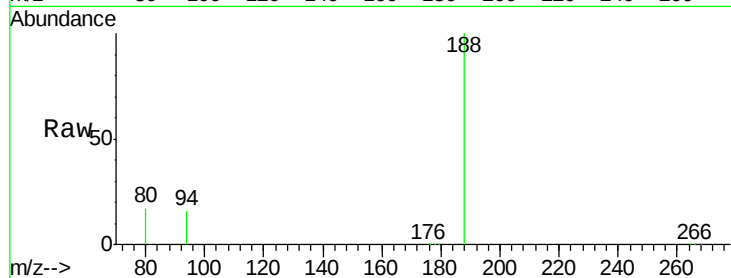




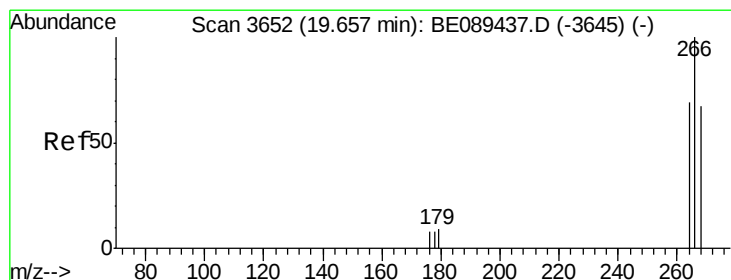
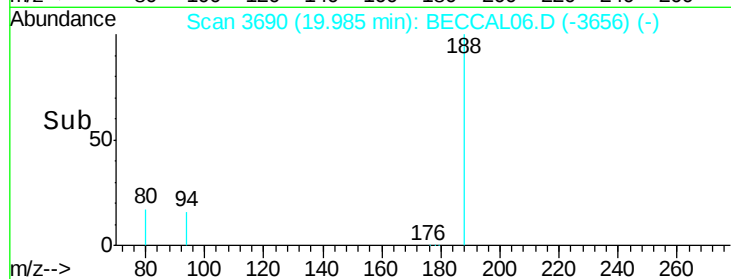
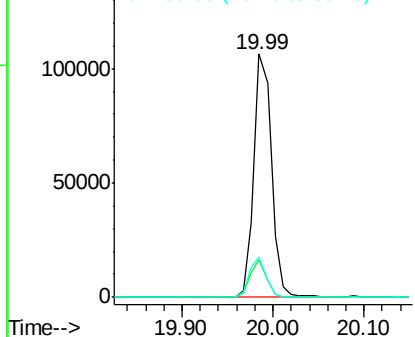
#11
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.99 min Scan# 3690
 Delta R.T. -0.01 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion:188 Resp: 140380
 Ion Ratio Lower Upper
 188 100
 94 15.6 9.4 14.0#
 80 16.6 9.3 13.9#

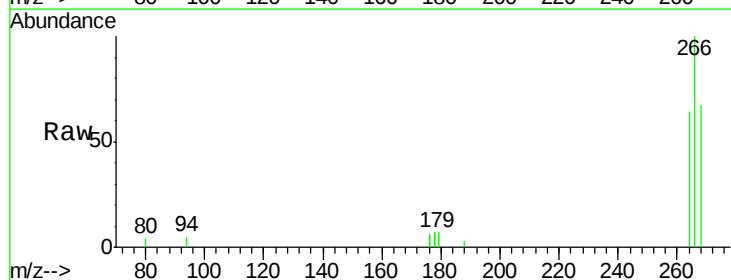


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BE
 Ion 80.00 (79.70 to 80.70): BE

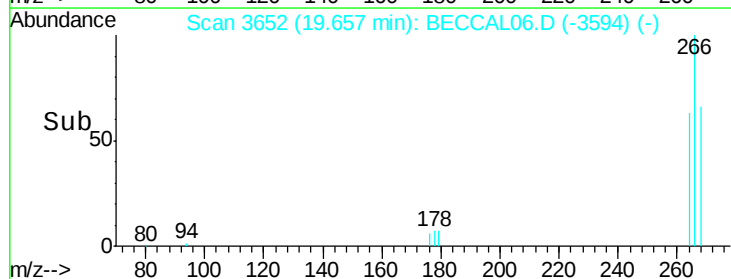
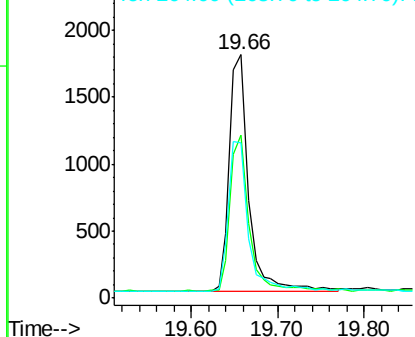


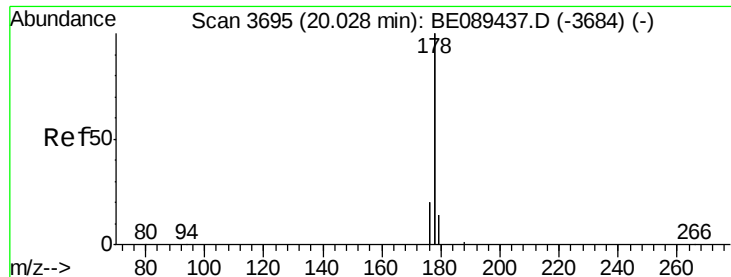
#12
 Pentachlorophenol
 Concen: 3.37 ng
 RT: 19.66 min Scan# 3652
 Delta R.T. 0.00 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

Tgt Ion:266 Resp: 2741
 Ion Ratio Lower Upper
 266 100
 268 66.8 54.2 81.4
 264 63.7 56.2 84.2



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#13

Phenanthrene

Concen: 1.04 ng

RT: 20.03 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

Instrument :

BNA_E

ClientSampleId :

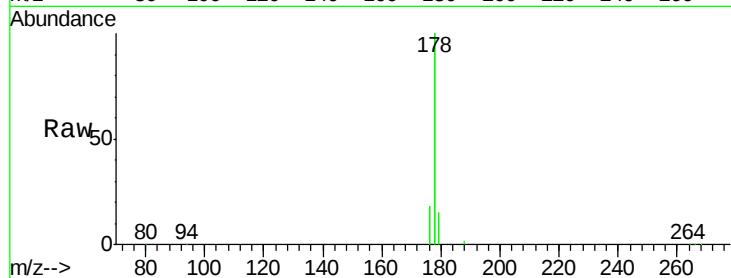
Tgt Ion:178 Resp: 143348

Ion Ratio Lower Upper

178 100

176 18.7 15.1 22.7

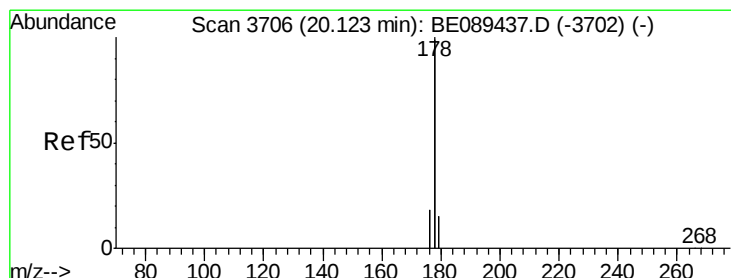
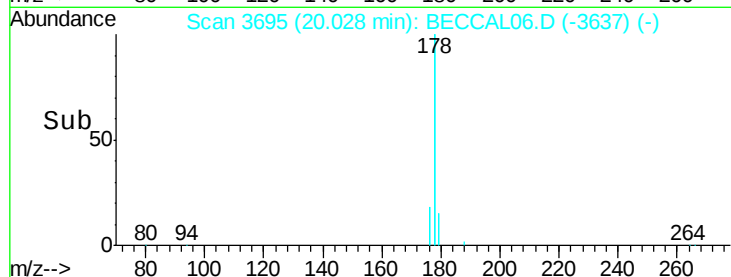
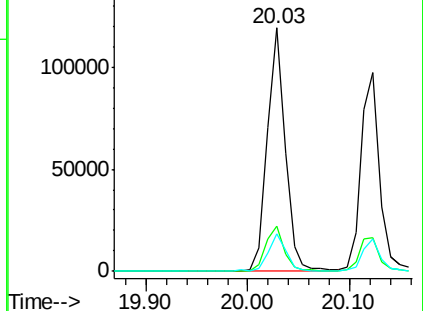
179 15.5 12.3 18.5



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



#14

Anthracene

Concen: 1.01 ng

RT: 20.12 min Scan# 3706

Delta R.T. 0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

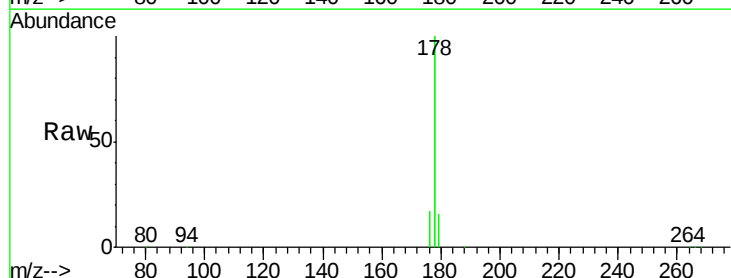
Tgt Ion:178 Resp: 126863

Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

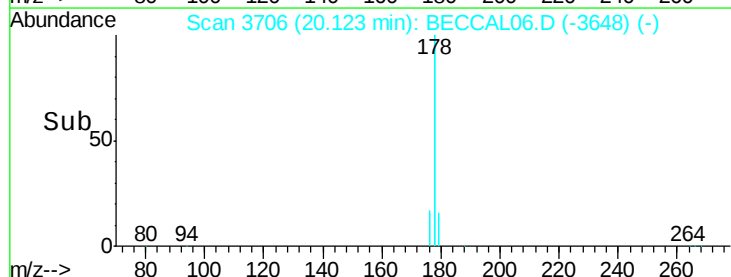
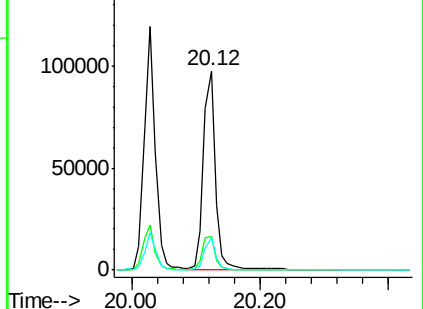
179 15.0 12.2 18.2

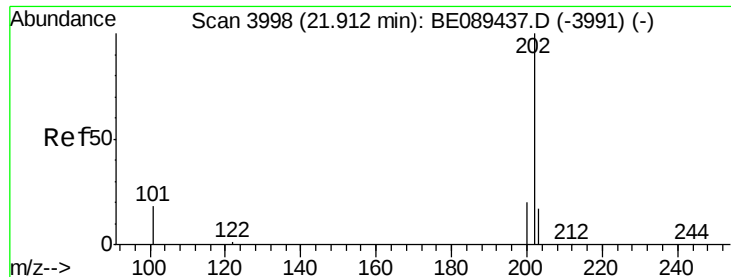


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

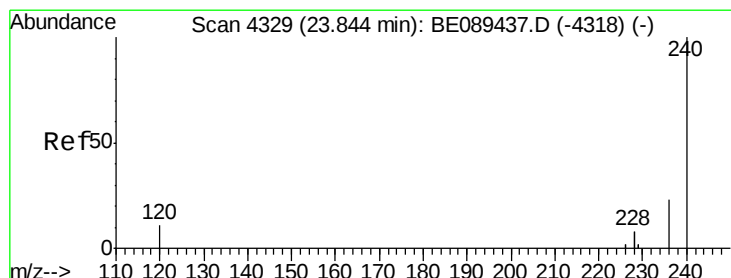
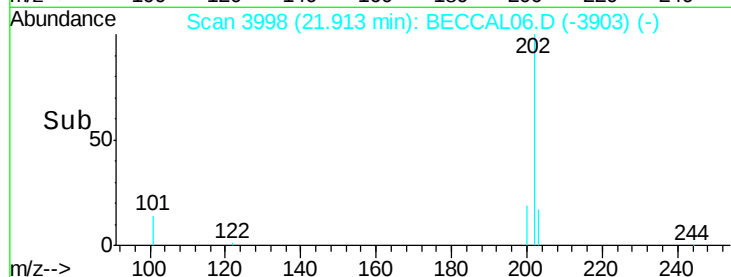
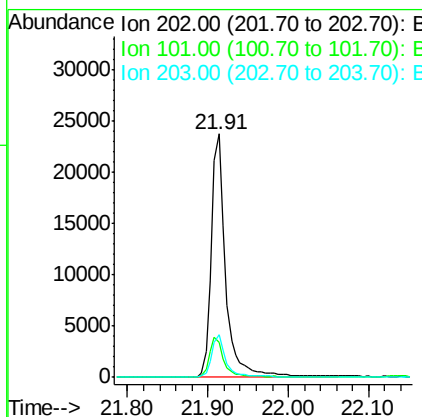
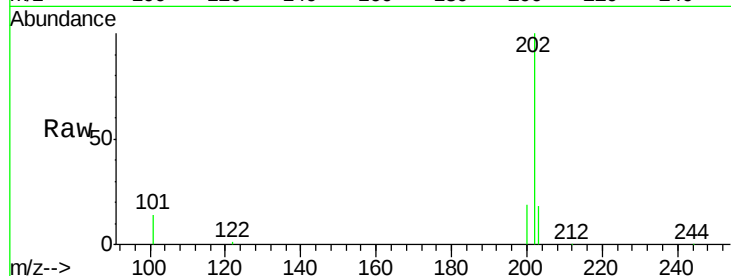




#15
 Fluoranthene
 Concen: 0.97 ng
 RT: 21.91 min Scan# 3998
 Delta R.T. 0.00 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

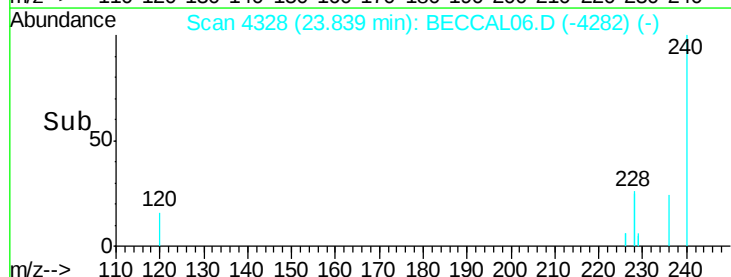
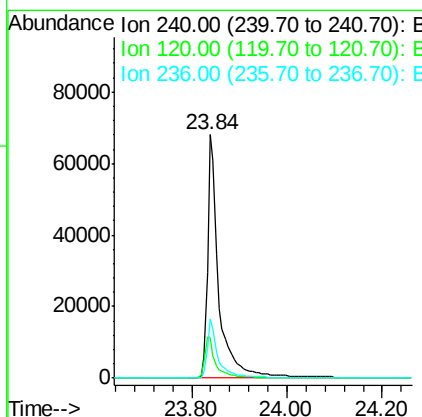
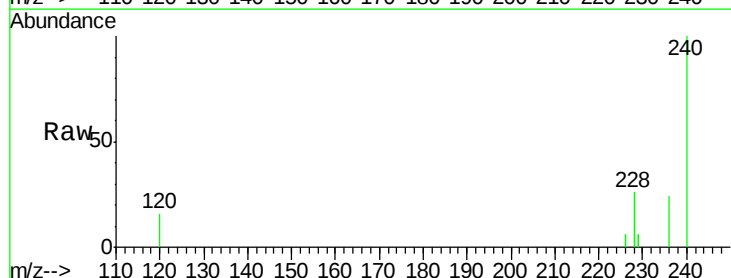
Instrument :
 BNA_E
 ClientSampleId :

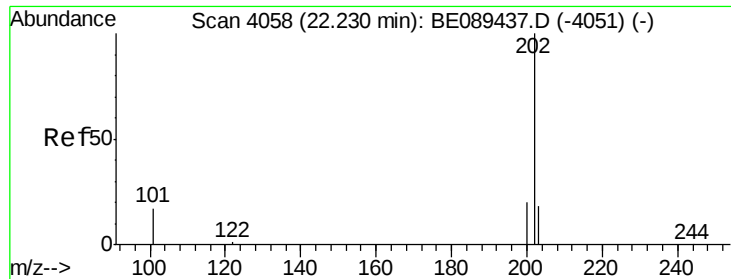
Tgt Ion:202 Resp: 29299
 Ion Ratio Lower Upper
 202 100
 101 16.2 13.6 20.4
 203 16.9 13.8 20.6



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 4328
 Delta R.T. -0.01 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

Tgt Ion:240 Resp: 113292
 Ion Ratio Lower Upper
 240 100
 120 16.3 8.6 13.0#
 236 24.5 18.7 28.1

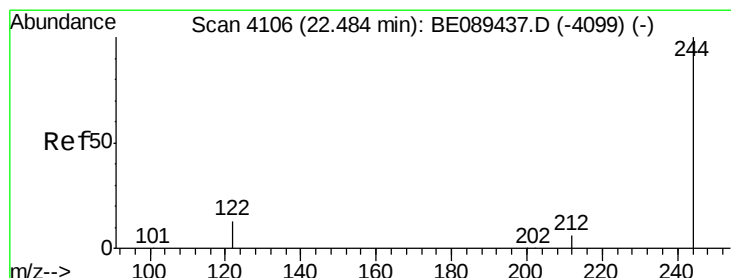
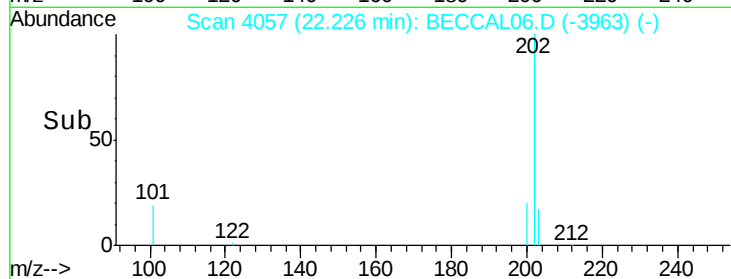
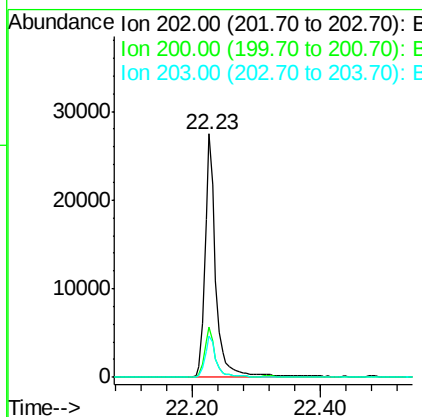
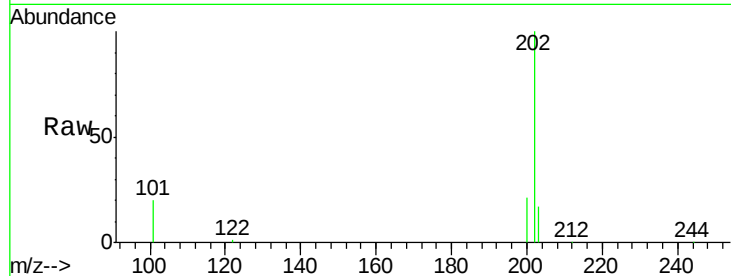




#17
 Pyrene
 Concen: 1.07 ng
 RT: 22.23 min Scan# 4057
 Delta R.T. -0.00 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

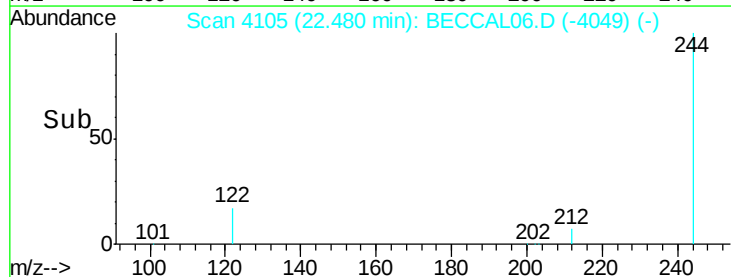
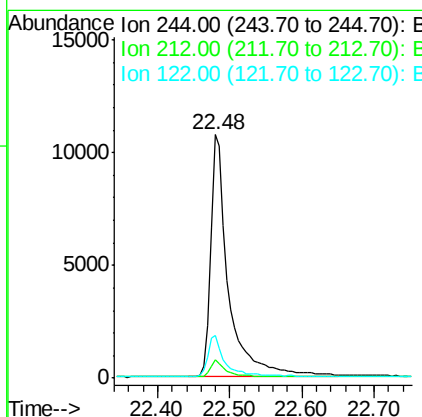
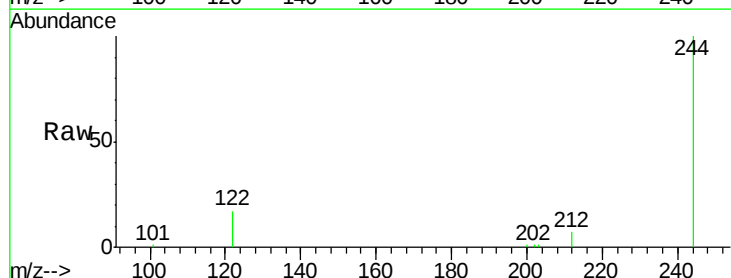
Instrument :
 BNA_E
 ClientSampleId :

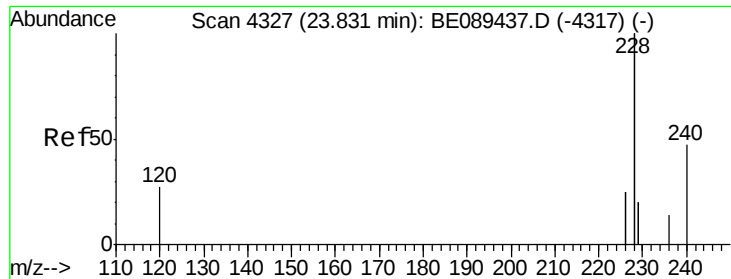
Tgt Ion: 202 Resp: 32236
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.2 24.4
 203 17.0 13.8 20.8



#18
 Terphenyl-d14
 Concen: 1.09 ng
 RT: 22.48 min Scan# 4105
 Delta R.T. -0.00 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

Tgt Ion: 244 Resp: 18536
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.0 7.6
 122 17.4 10.2 15.4#





#19

Benzo(a)anthracene

Concen: 0.75 ng

RT: 23.83 min Scan# 4327

Delta R.T. 0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

Instrument :

BNA_E

ClientSampleId :

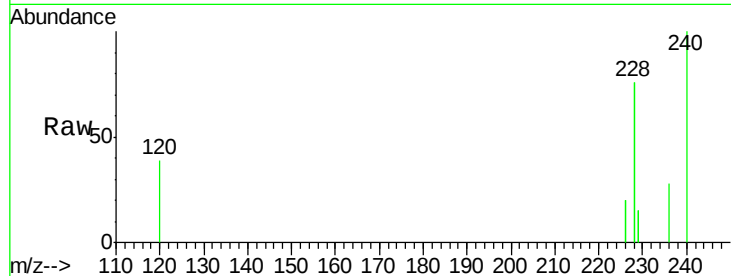
Tgt Ion:228 Resp: 72017

Ion Ratio Lower Upper

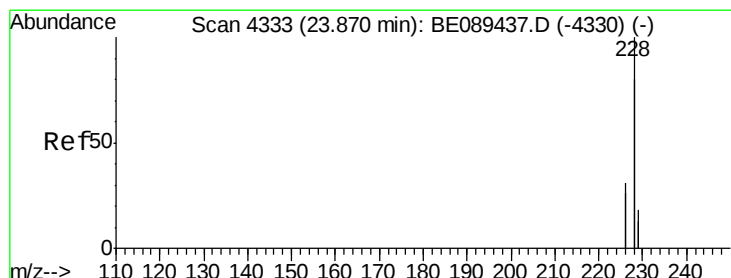
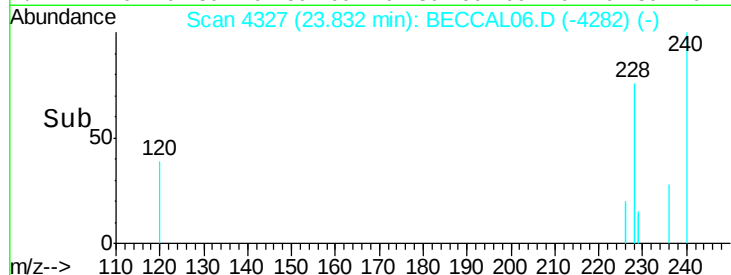
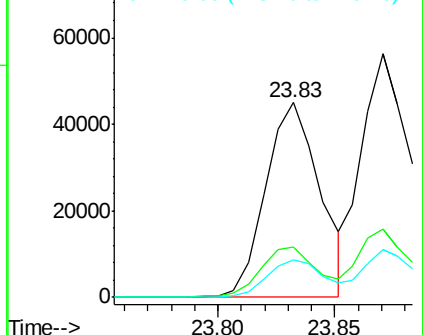
228 100

226 26.0 20.0 30.0

229 19.5 16.0 24.0



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



#20

Chrysene

Concen: 1.14 ng

RT: 23.87 min Scan# 4333

Delta R.T. 0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

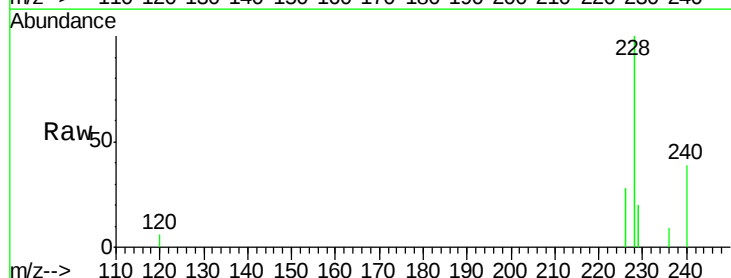
Tgt Ion:228 Resp: 123161

Ion Ratio Lower Upper

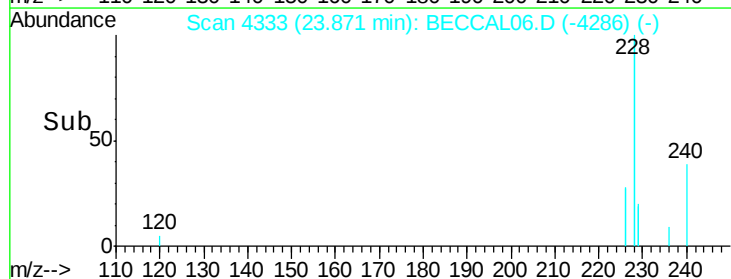
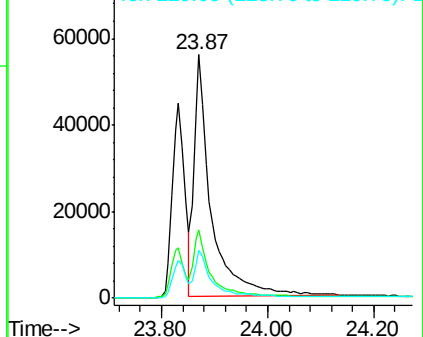
228 100

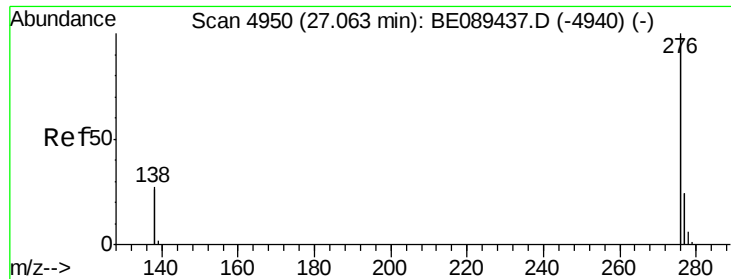
226 28.1 24.5 36.7

229 19.5 14.1 21.1



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

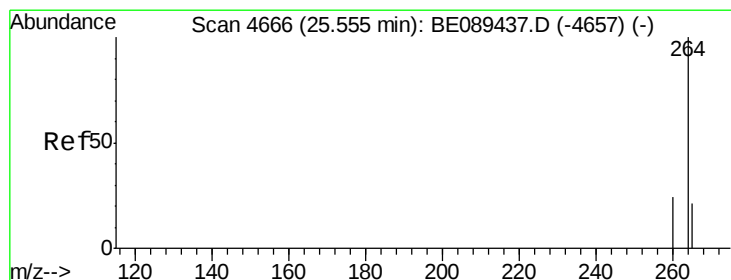
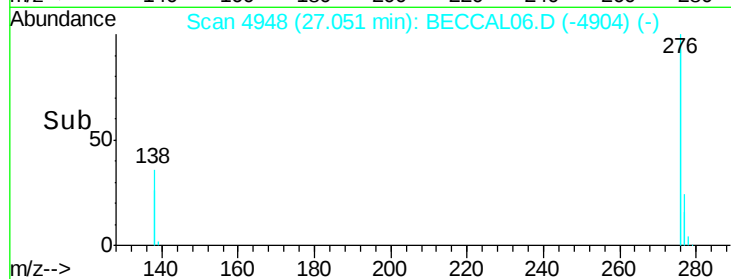
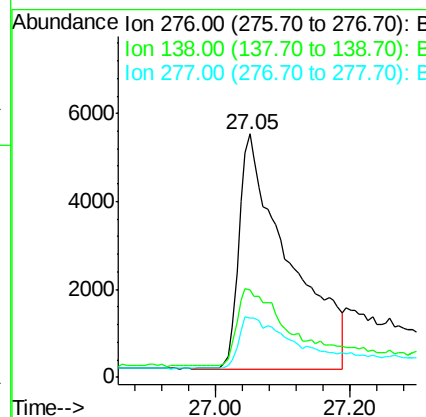
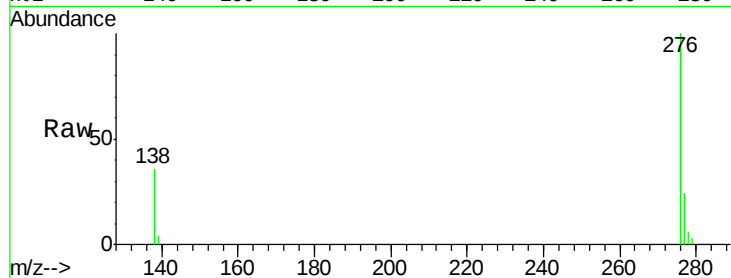




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.29 ng
 RT: 27.05 min Scan# 4948
 Delta R.T. -0.01 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

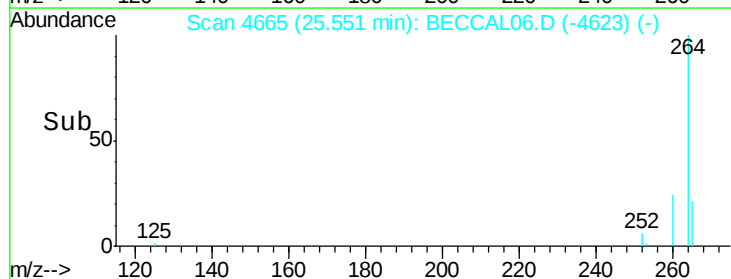
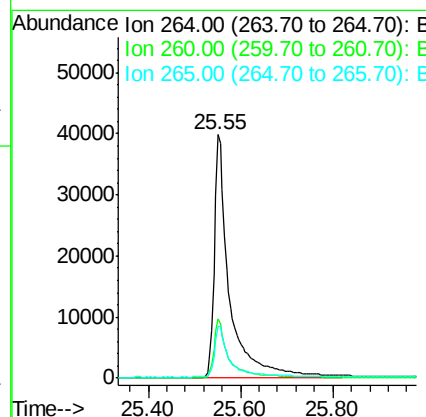
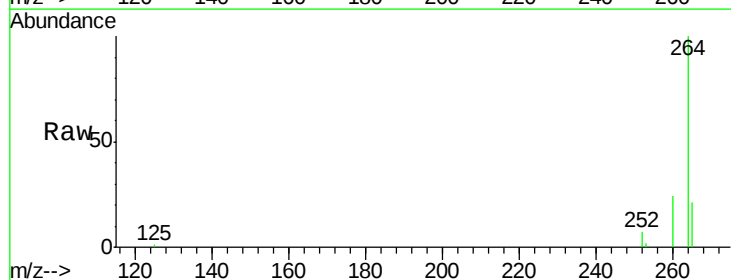
Instrument :
 BNA_E
 ClientSampleId :

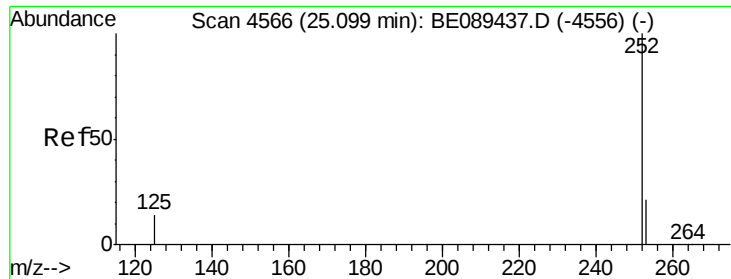
Tgt Ion:276 Resp: 27210
 Ion Ratio Lower Upper
 276 100
 138 39.6 25.4 38.0#
 277 28.8 19.8 29.6



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.55 min Scan# 4665
 Delta R.T. -0.00 min
 Lab File: BECCAL06.D
 Acq: 31 Jan 2015 16:48

Tgt Ion:264 Resp: 91766
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.0
 265 21.0 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.51 ng

RT: 25.10 min Scan# 4565

Delta R.T. -0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

Instrument :

BNA_E

ClientSampleId :

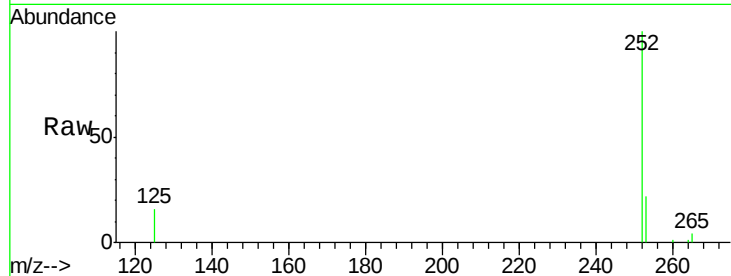
Tgt Ion:252 Resp: 5470

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

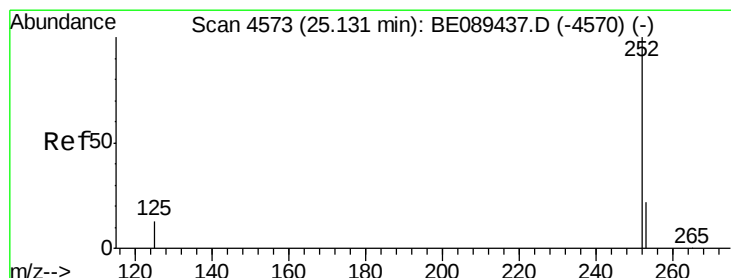
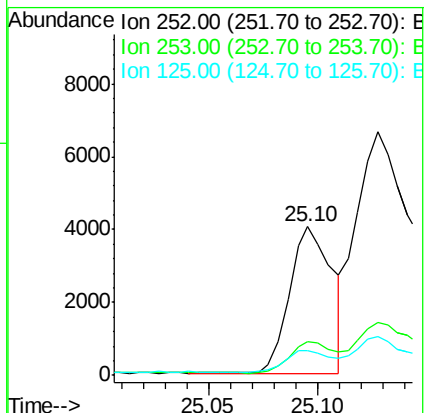
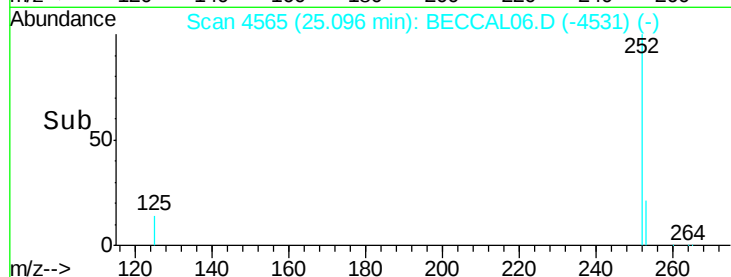
125 16.4 11.4 17.0



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



#24

Benzo(k)fluoranthene

Concen: 1.01 ng

RT: 25.13 min Scan# 4572

Delta R.T. -0.00 min

Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

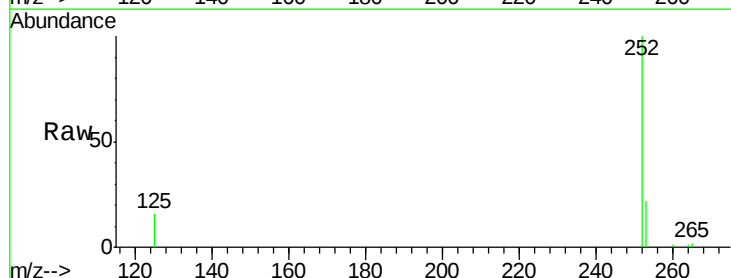
Tgt Ion:252 Resp: 23632

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.2

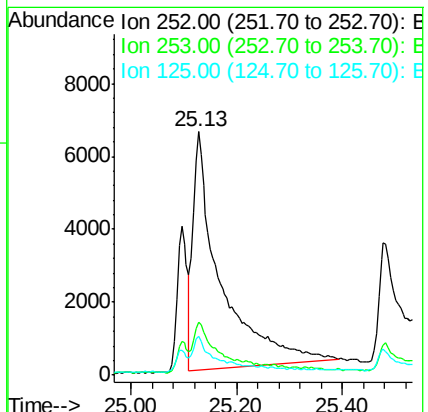
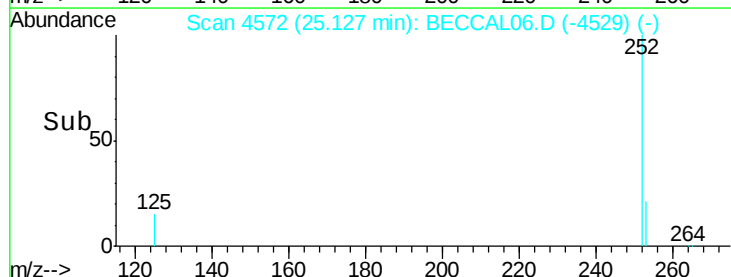
125 15.7 10.9 16.3

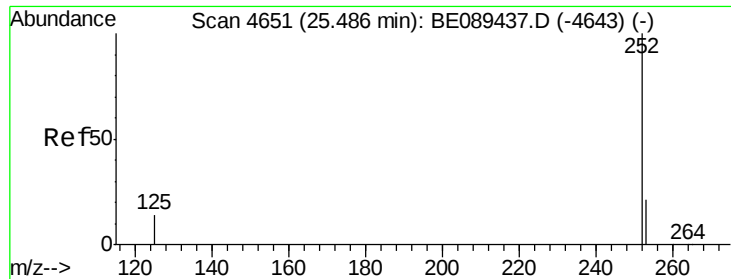


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

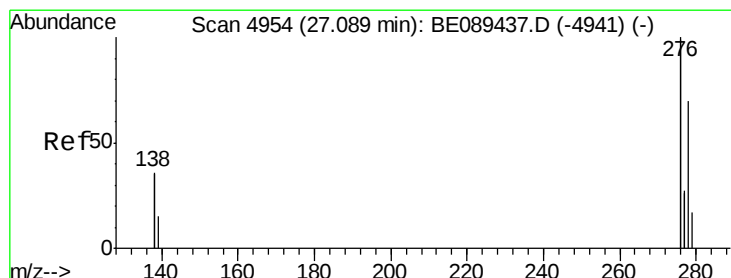
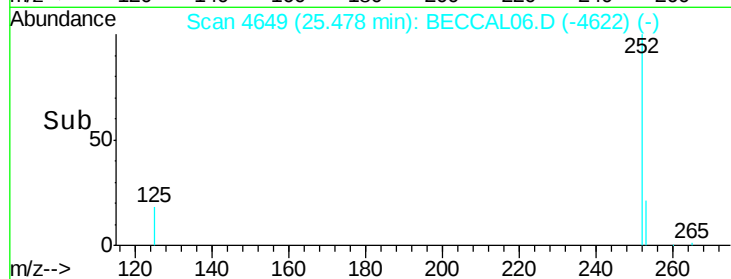
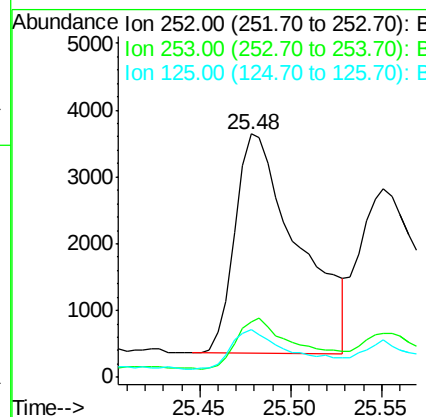
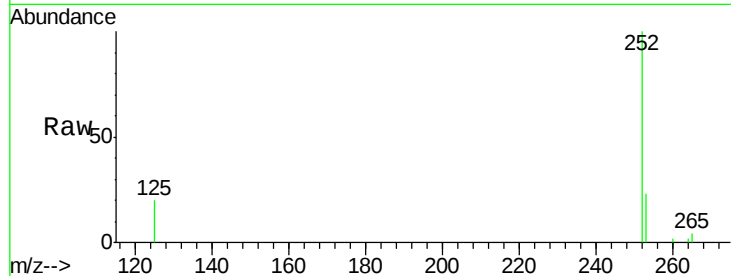




#25
Benzo(a)pyrene
Concen: 0.59 ng
RT: 25.48 min Scan# 4649
Delta R.T. -0.01 min
Lab File: BECCAL06.D
Acq: 31 Jan 2015 16:48

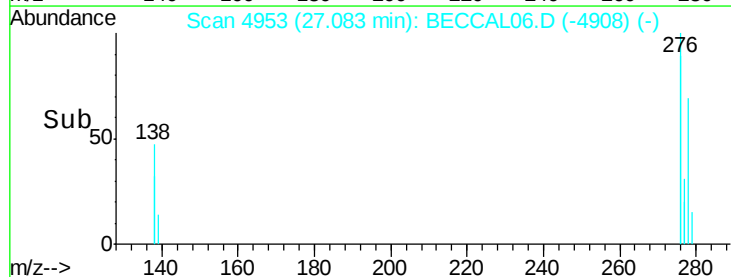
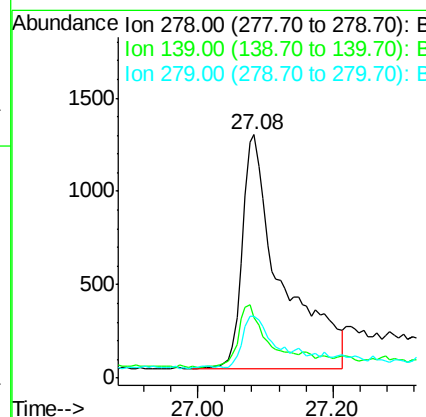
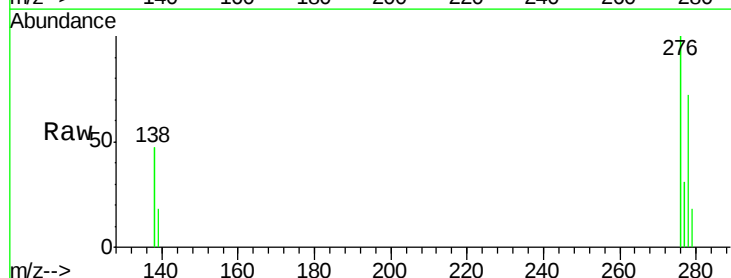
Instrument :
BNA_E
ClientSampleId :

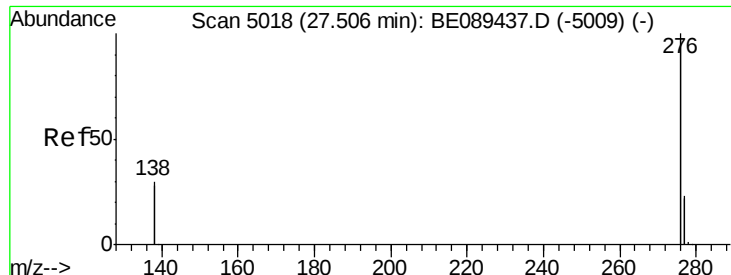
Tgt Ion:252 Resp: 7928
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 19.7 12.0 18.0#



#26
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 27.08 min Scan# 4953
Delta R.T. -0.01 min
Lab File: BECCAL06.D
Acq: 31 Jan 2015 16:48

Tgt Ion:278 Resp: 5047
Ion Ratio Lower Upper
278 100
139 24.8 17.0 25.4
279 25.2 19.1 28.7





#27

Benzo(g,h,i)perylene

Concen: 0.70 ng

RT: 27.51 min Scan# 5018

Delta R.T. 0.00 min

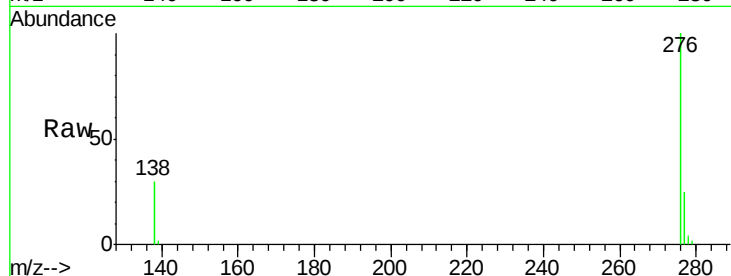
Lab File: BECCAL06.D

Acq: 31 Jan 2015 16:48

Instrument :

BNA_E

ClientSampleId :



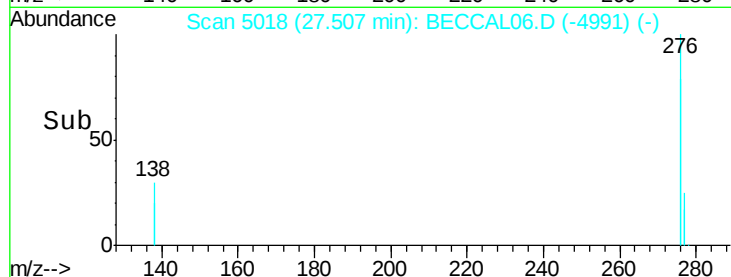
Tgt Ion: 276 Resp: 51361

Ion Ratio Lower Upper

276 100

277 24.6 18.4 27.6

138 29.7 23.7 35.5



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

