

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE013015\
 Data File : BECCAL05.D
 Acq On : 31 Jan 2015 3:49
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc : G
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 02 01:26:14 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	9.59	152	78954	5.00	ng	0.00
2) Naphthalene-d8	12.50	136	318473	5.00	ng	0.00
6) Acenaphthene-d10	16.69	164	136395	5.00	ng	-0.01
11) Phenanthrene-d10	19.99	188	251712	5.00	ng	0.00
16) Chrysene-d12	23.84	240	214794	5.00	ng	0.00
22) Perylene-d12	25.56	264	181848	5.00	ng	0.00

System Monitoring Compounds						
3) Nitrobenzene-d5	10.85	82	23535	1.12	ng	0.00
7) 2-Fluorobiphenyl	15.13	172	37111	1.03	ng	0.00
18) Terphenyl-d14	22.48	244	31539	0.98	ng	0.00

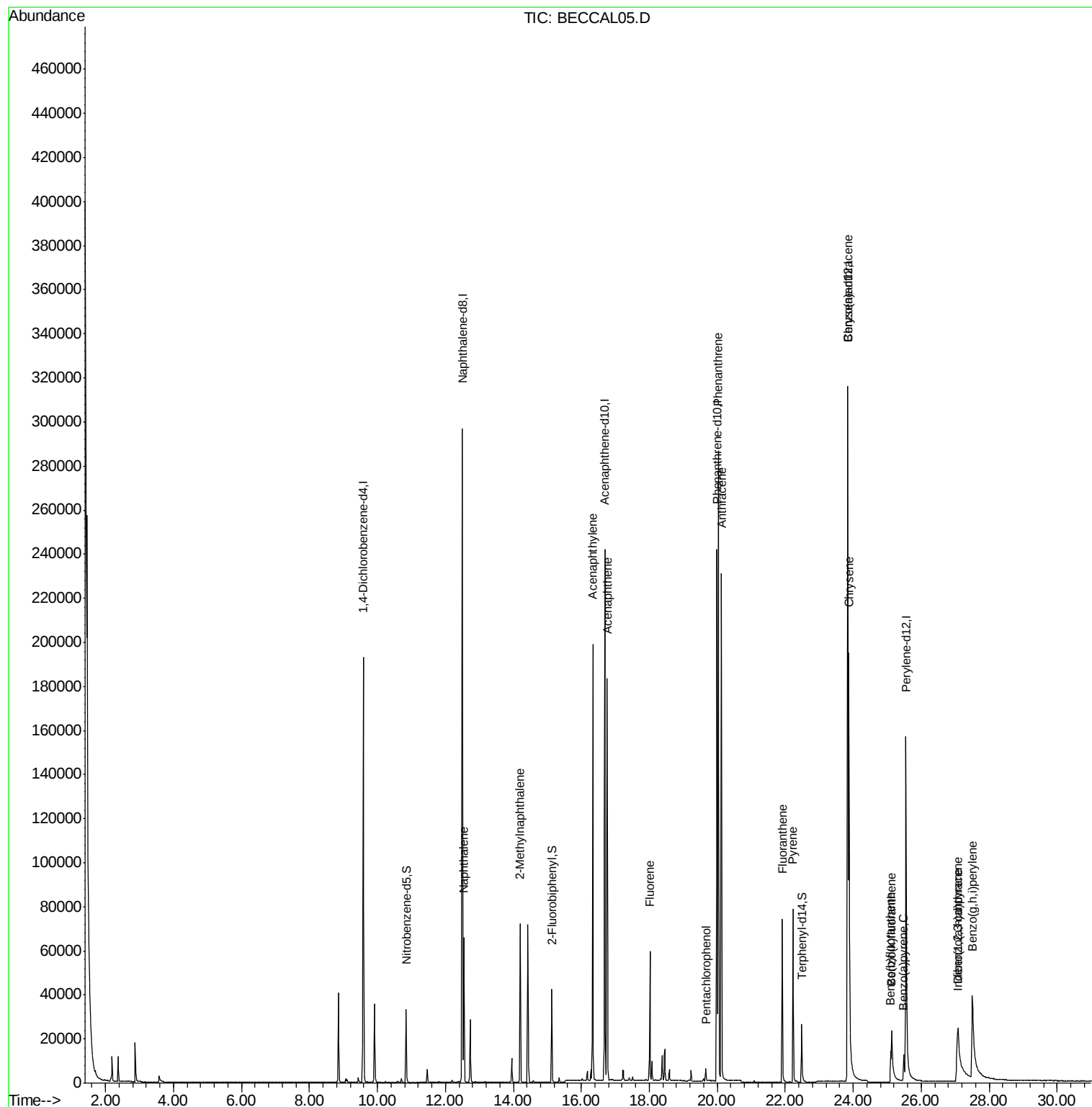
Target Compounds					Qvalue	
4) Naphthalene	12.55	128	74427	1.00	ng	98
5) 2-Methylnaphthalene	14.20	142	43567	0.96	ng	96
8) Acenaphthylene	16.34	152	244291	1.00	ng	100
9) Acenaphthene	16.76	154	37022	1.00	ng	98
10) Fluorene	18.02	166	40935	1.00	ng	100
12) Pentachlorophenol	19.66	266	3626	2.69	ng	94
13) Phenanthrene	20.03	178	250367	1.01	ng	100
14) Anthracene	20.12	178	223958	0.99	ng	100
15) Fluoranthene	21.91	202	54013	1.00	ng	99
17) Pyrene	22.22	202	58216	1.02	ng	99
19) Benzo(a)anthracene	23.83	228	151733	0.84	ng	99
20) Chrysene	23.87	228	216843	1.06	ng	99
21) Indeno(1,2,3-cd)pyrene	27.06	276	96624	0.54	ng	# 67
23) Benzo(b)fluoranthene	25.10	252	15478	0.65	ng	99
24) Benzo(k)fluoranthene	25.13	252	51298	1.11	ng	100
25) Benzo(a)pyrene	25.48	252	19512	0.70	ng	98
26) Dibenzo(a,h)anthracene	27.09	278	18415	0.61	ng	97
27) Benzo(g,h,i)perylene	27.51	276	112415	0.77	ng	98

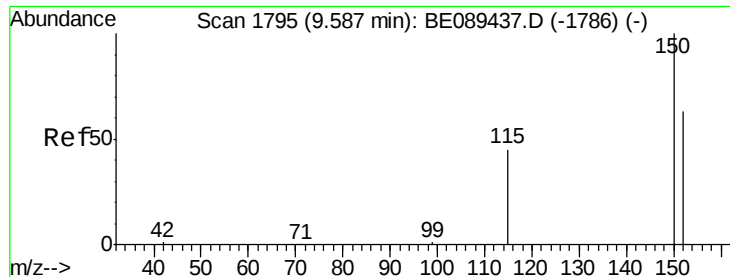
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.59 min Scan# 1795

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :

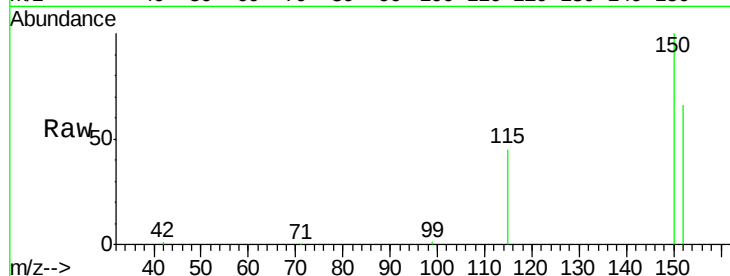
Tgt Ion:152 Resp: 78954

Ion Ratio Lower Upper

152 100

150 152.5 127.2 190.8

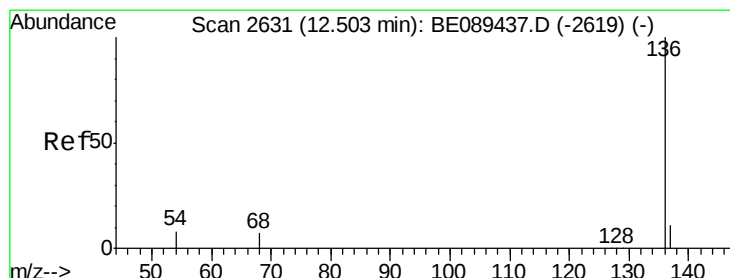
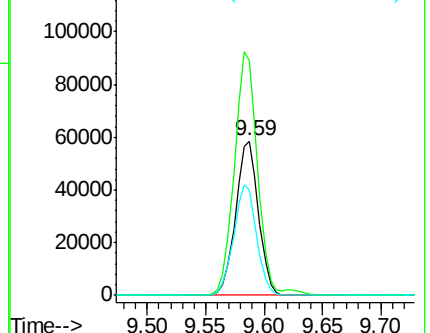
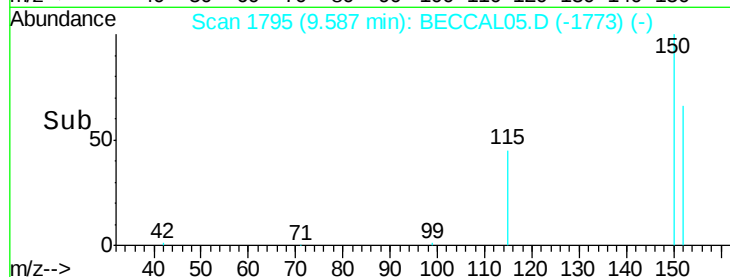
115 68.2 57.5 86.3



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: 12.50 min Scan# 2630

Delta R.T. -0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

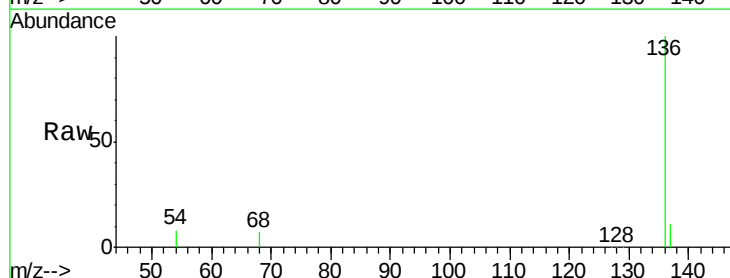
Tgt Ion:136 Resp: 318473

Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

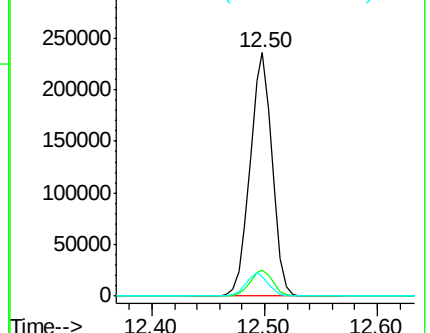
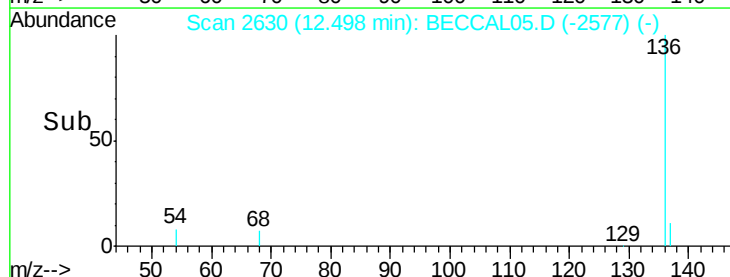
54 8.2 6.6 10.0

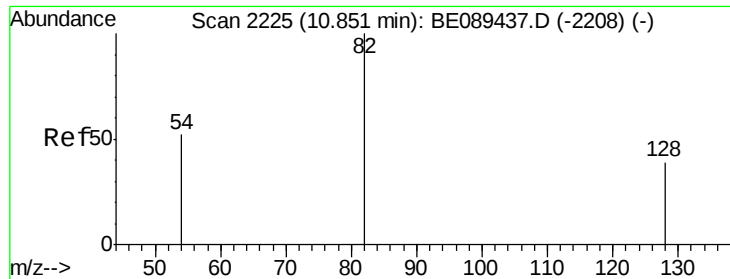


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BEC





#3

Nitrobenzene-d5

Concen: 1.12 ng

RT: 10.85 min Scan# 2223

Delta R.T. -0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampled :

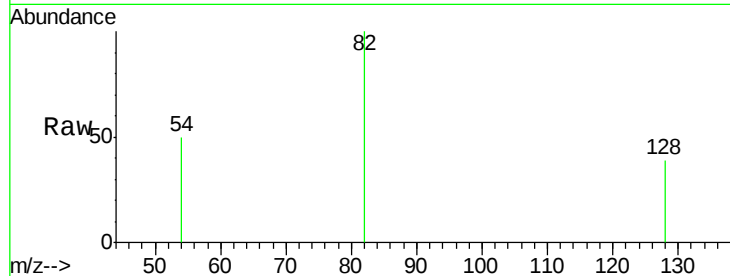
Tgt Ion: 82 Resp: 23535

Ion Ratio Lower Upper

82 100

128 38.9 31.2 46.8

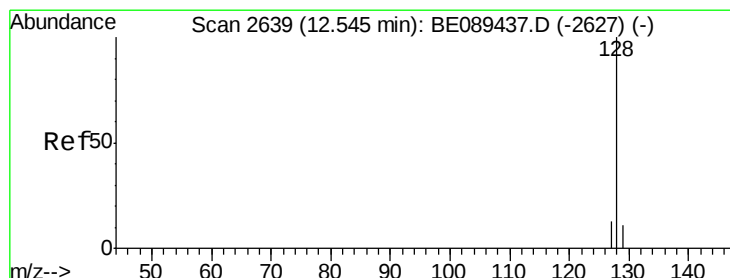
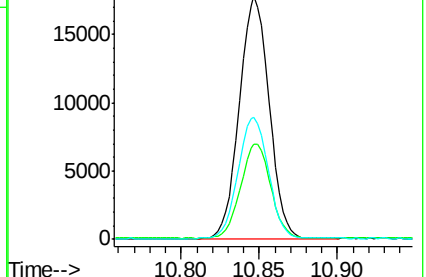
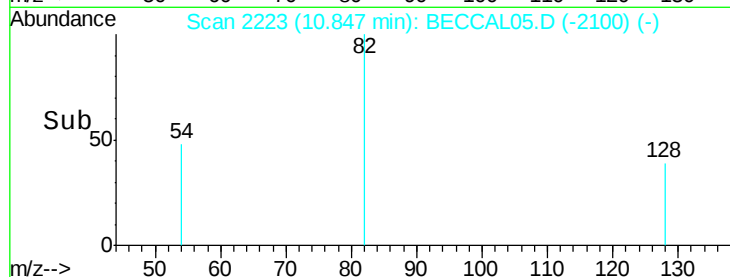
54 50.2 41.9 62.9



Abundance Ion 82.00 (81.70 to 82.70): BECCAL05.D (-2100) (-)

Ion 128.00 (127.70 to 128.70): BECCAL05.D (-2100) (-)

Ion 54.00 (53.70 to 54.70): BECCAL05.D (-2100) (-)



#4

Naphthalene

Concen: 1.00 ng

RT: 12.55 min Scan# 2639

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

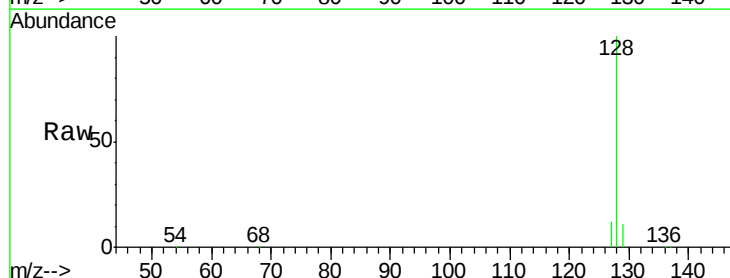
Tgt Ion: 128 Resp: 74427

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

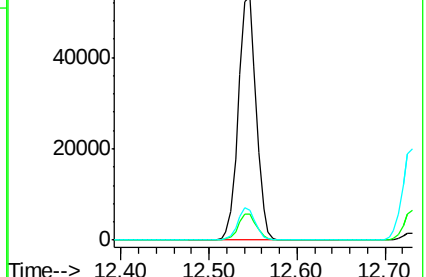
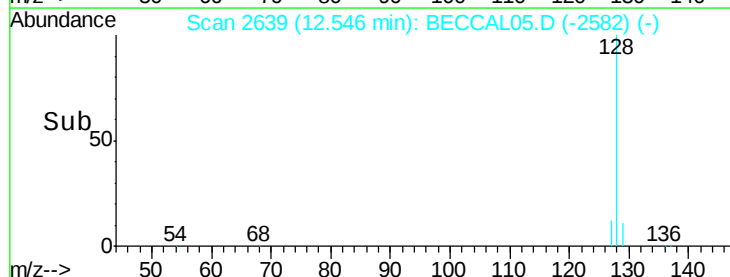
127 12.1 10.6 16.0

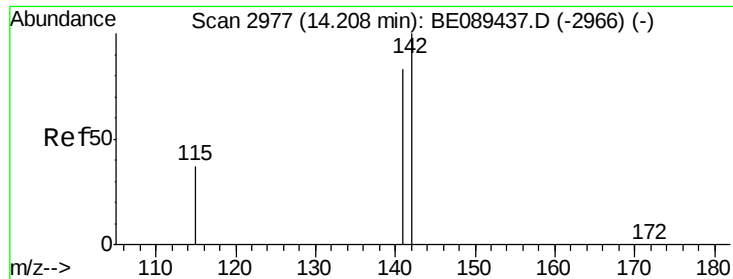


Abundance Ion 128.00 (127.70 to 128.70): BECCAL05.D (-2582) (-)

Ion 129.00 (128.70 to 129.70): BECCAL05.D (-2582) (-)

Ion 127.00 (126.70 to 127.70): BECCAL05.D (-2582) (-)





#5

2-Methylnaphthalene

Concen: 0.96 ng

RT: 14.20 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BECCAL05.D

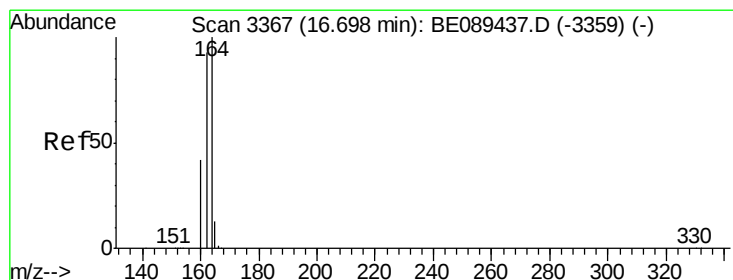
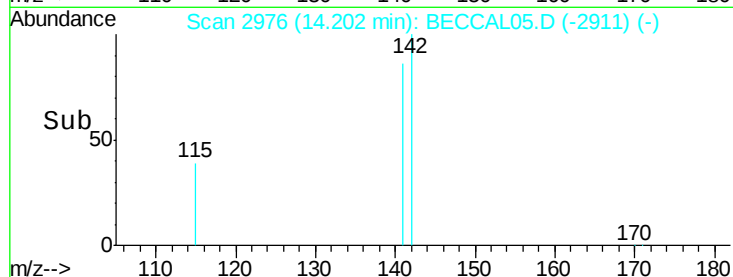
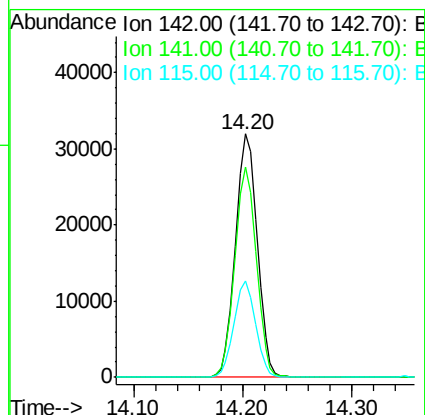
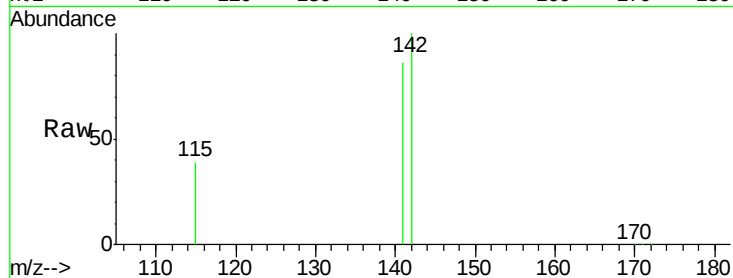
Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	142	Resp:	43567
Ion Ratio	Lower	Upper	
142	100		
141	86.5	66.1	99.1
115	39.4	29.9	44.9



#6

Acenaphthene-d10

Concen: 5.00 ng

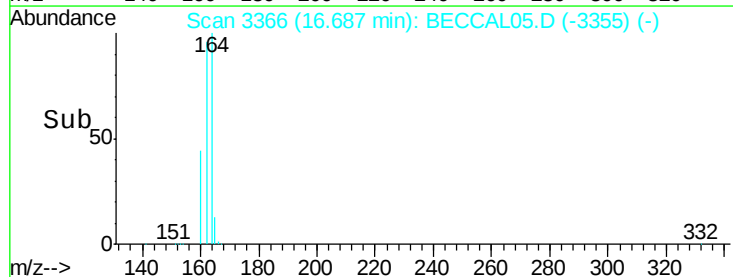
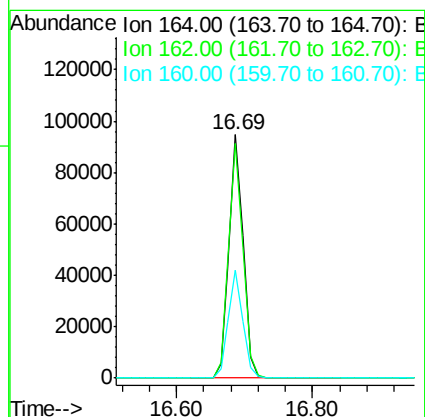
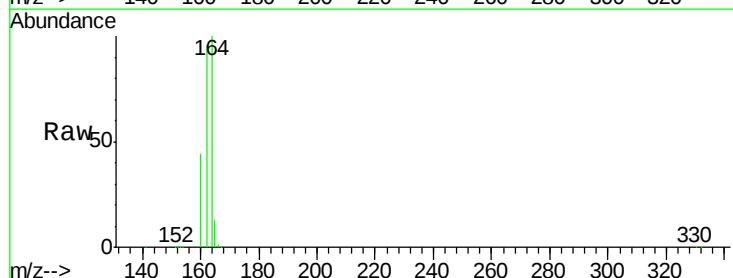
RT: 16.69 min Scan# 3366

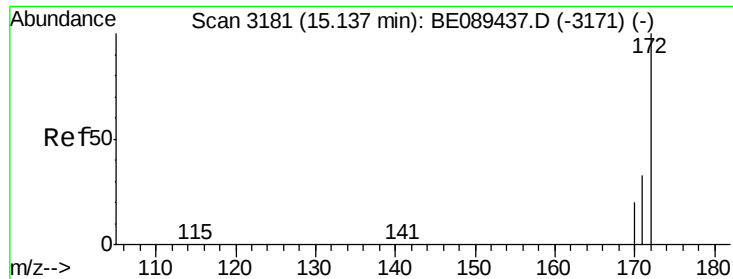
Delta R.T. -0.01 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Tgt Ion:	164	Resp:	136395
Ion Ratio	Lower	Upper	
164	100		
162	96.4	74.7	112.1
160	44.1	33.4	50.0





#7

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 15.13 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :

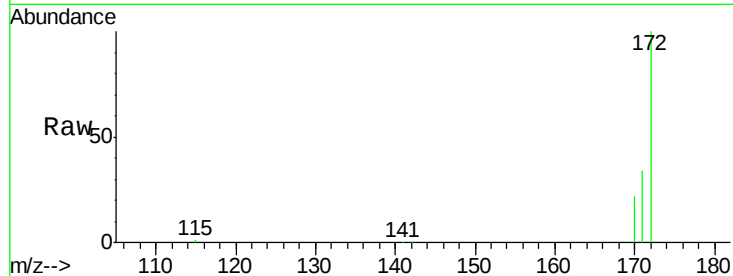
Tgt Ion:172 Resp: 37111

Ion Ratio Lower Upper

172 100

171 33.9 26.2 39.4

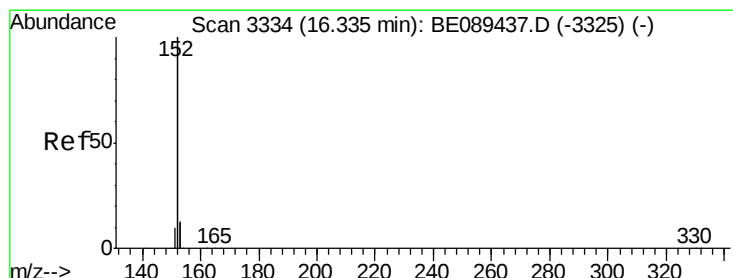
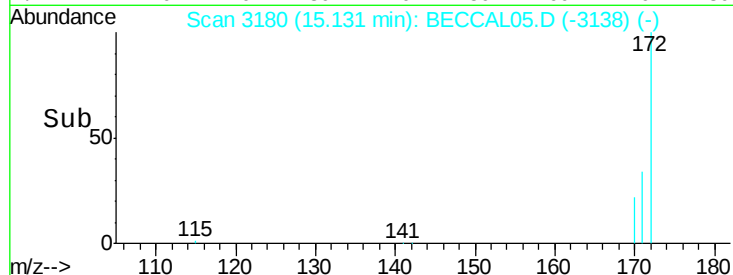
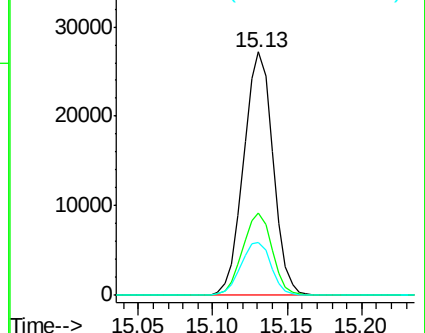
170 22.0 16.5 24.7



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: 1.00 ng

RT: 16.34 min Scan# 3334

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

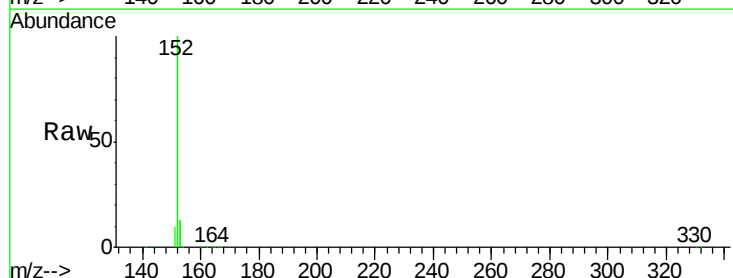
Tgt Ion:152 Resp: 244291

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

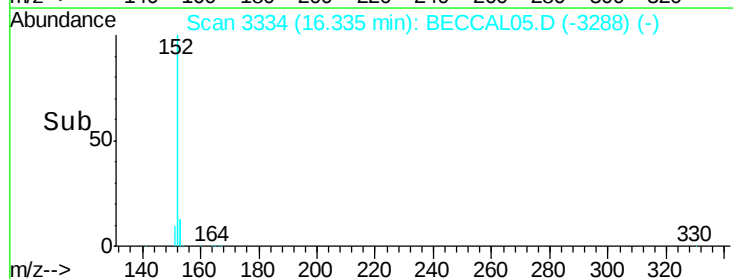
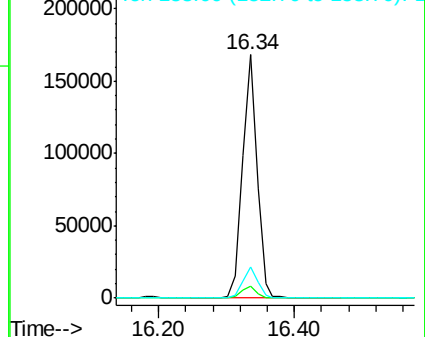
153 12.7 10.3 15.5

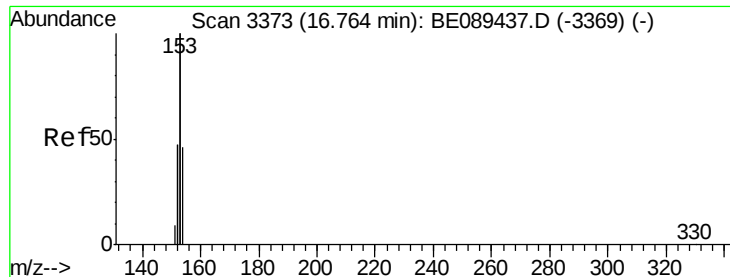


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.00 ng

RT: 16.76 min Scan# 3373

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :

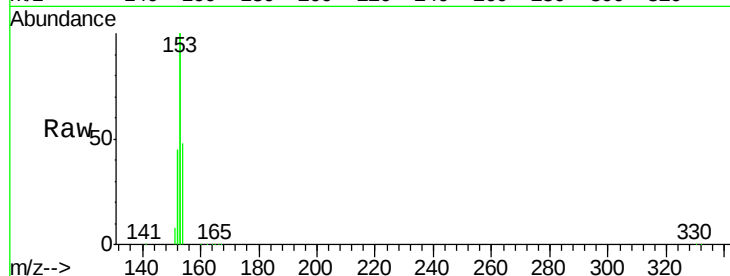
Tgt Ion:154 Resp: 37022

Ion Ratio Lower Upper

154 100

153 433.4 342.3 513.5

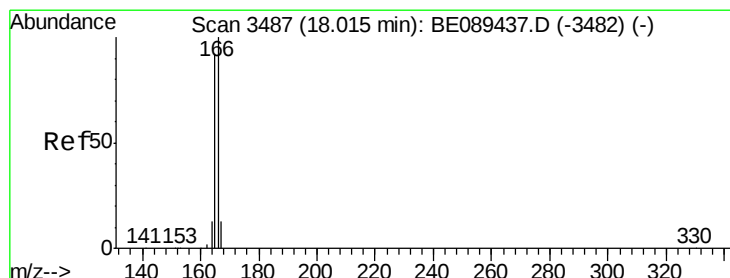
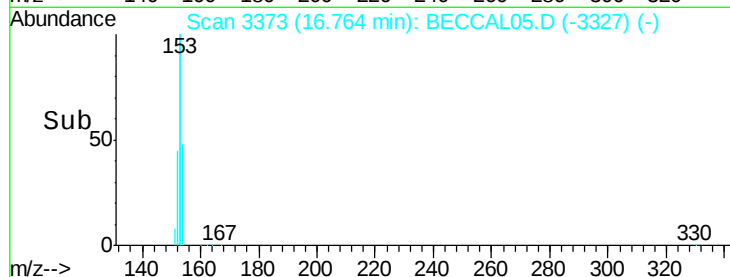
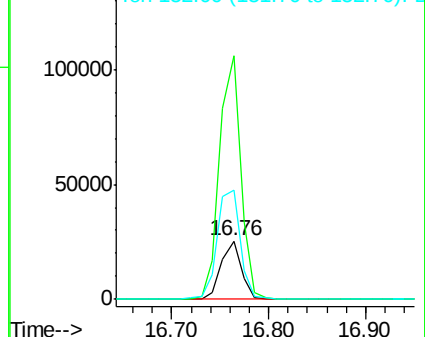
152 208.5 165.5 248.3



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#10

Fluorene

Concen: 1.00 ng

RT: 18.02 min Scan# 3487

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

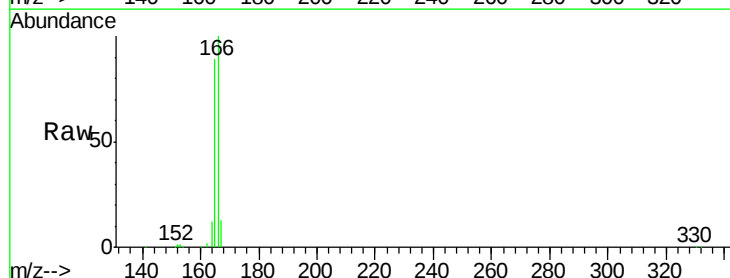
Tgt Ion:166 Resp: 40935

Ion Ratio Lower Upper

166 100

165 93.2 74.4 111.6

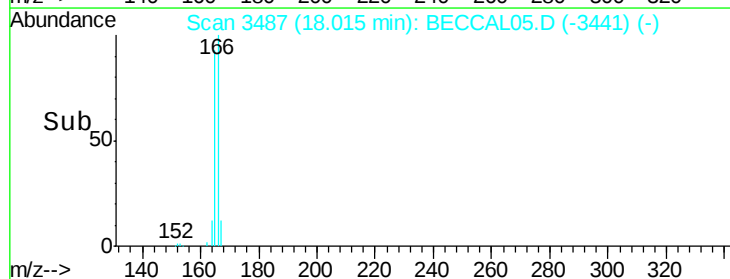
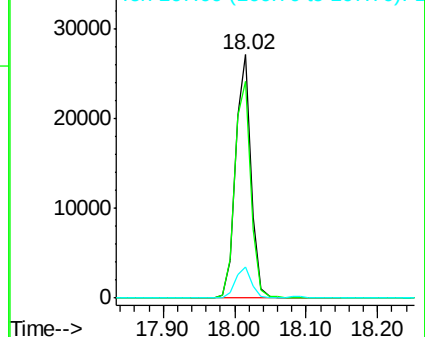
167 13.1 10.6 15.8

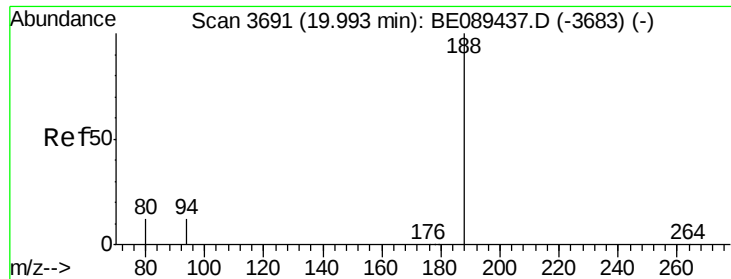


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

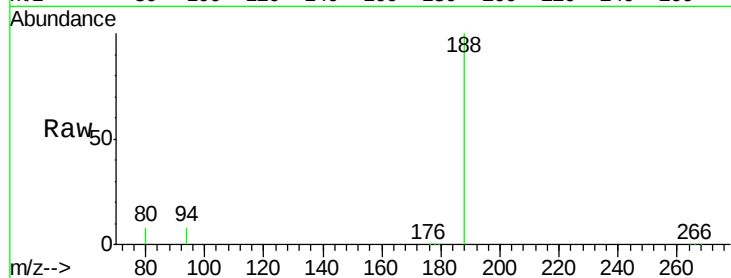




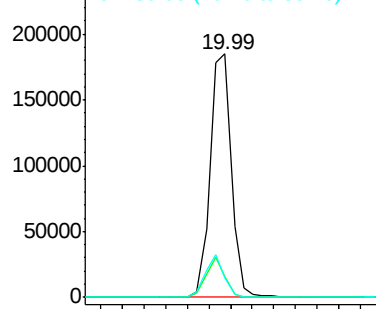
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BECCAL05.D
Acq: 31 Jan 2015 3:49

Instrument :
BNA_E
ClientSampleId :

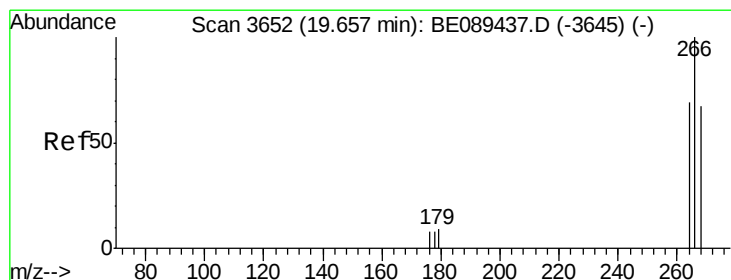
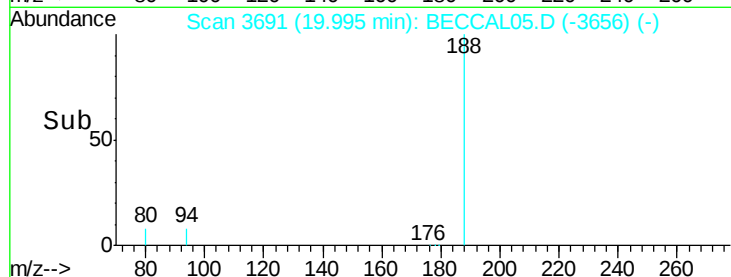
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	9.4	14.0#
80	8.2	9.3	13.9#



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

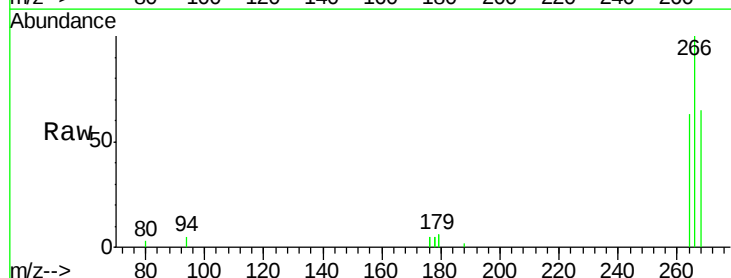


Time-->

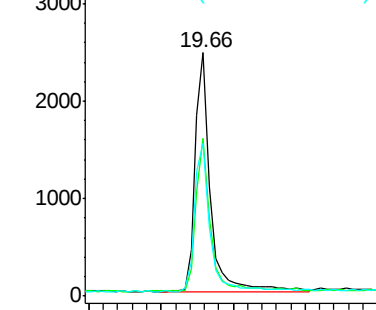


#12
Pentachlorophenol
Concen: 2.69 ng
RT: 19.66 min Scan# 3652
Delta R.T. 0.00 min
Lab File: BECCAL05.D
Acq: 31 Jan 2015 3:49

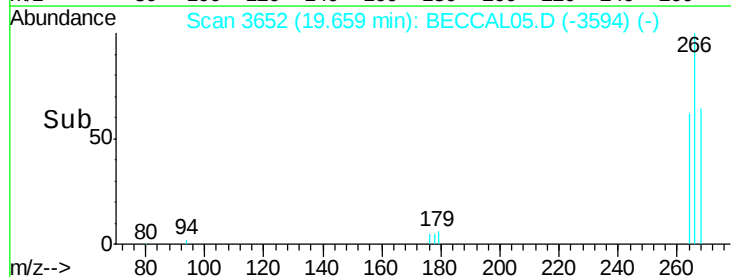
Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.0	54.2	81.4
264	62.8	56.2	84.2

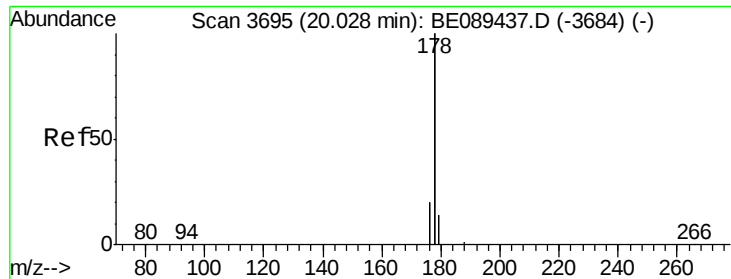


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



Time-->





#13

Phenanthrene

Concen: 1.01 ng

RT: 20.03 min Scan# 3695

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :

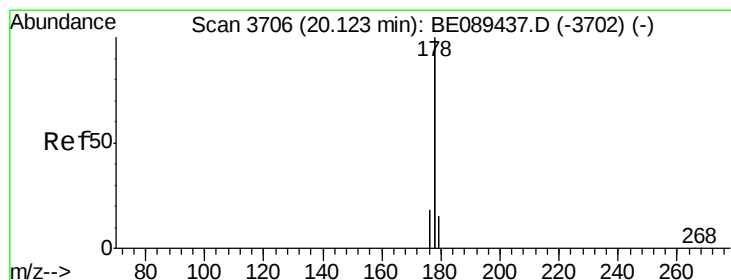
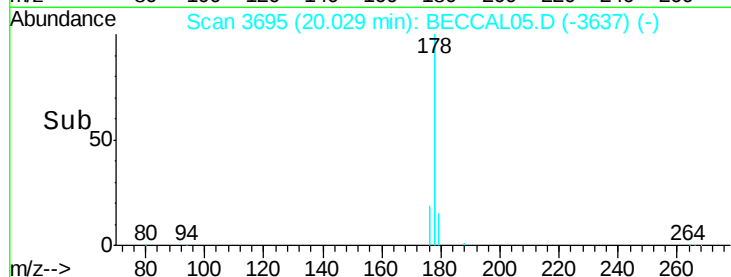
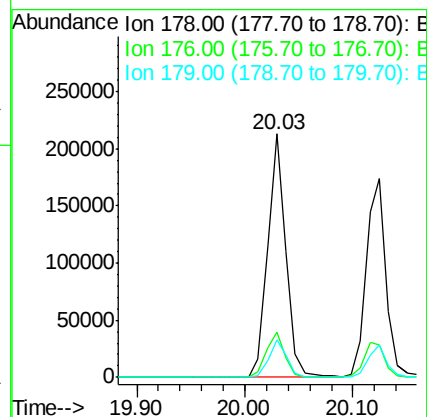
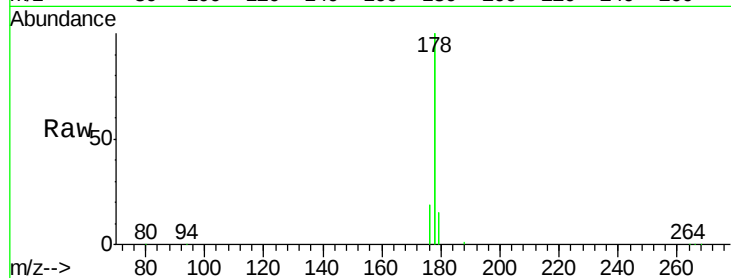
Tgt Ion:178 Resp: 250367

Ion Ratio Lower Upper

178 100

176 18.8 15.1 22.7

179 15.4 12.3 18.5



#14

Anthracene

Concen: 0.99 ng

RT: 20.12 min Scan# 3706

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

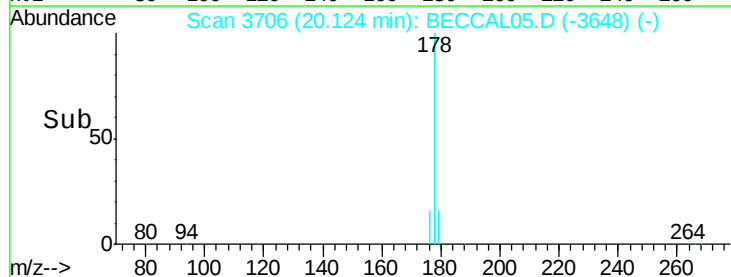
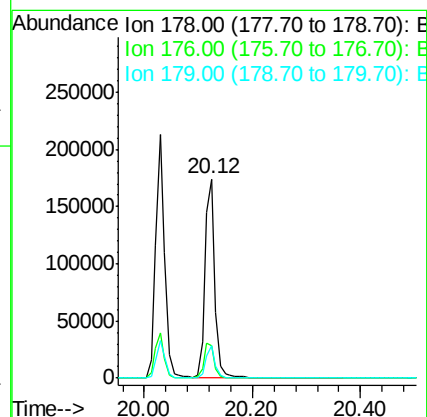
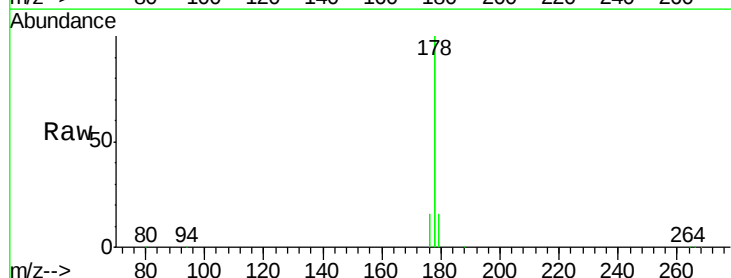
Tgt Ion:178 Resp: 223958

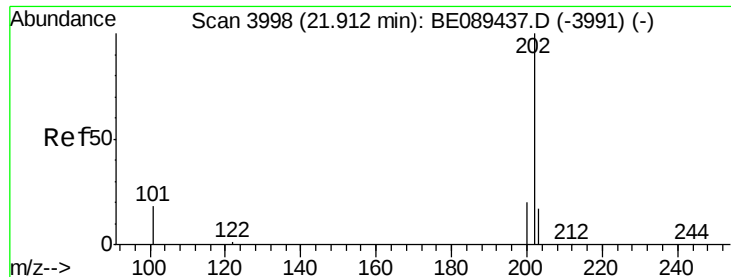
Ion Ratio Lower Upper

178 100

176 18.0 14.6 22.0

179 15.1 12.2 18.2

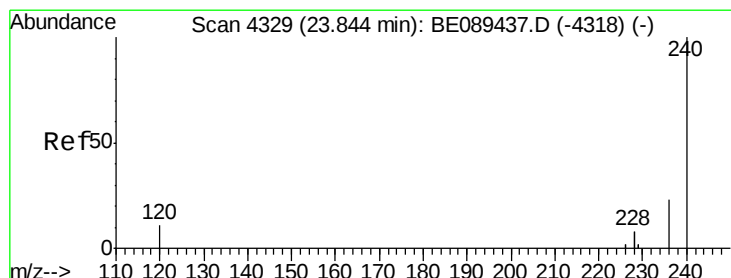
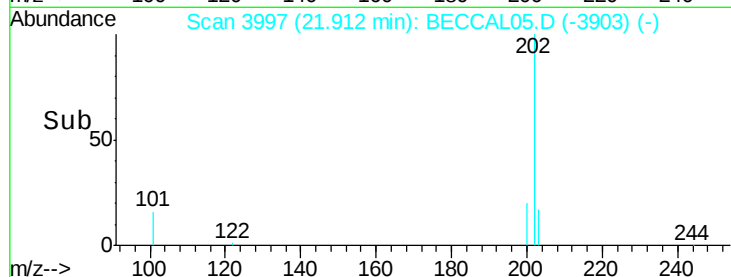
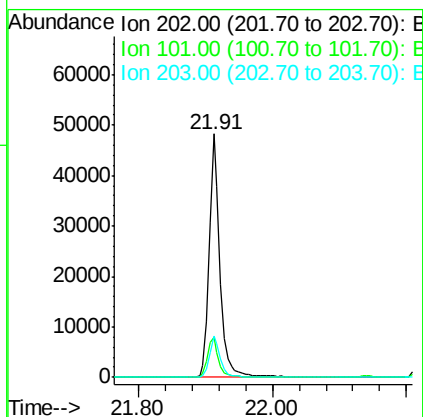
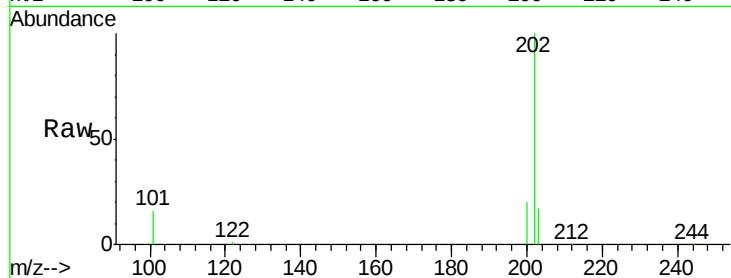




#15
Fluoranthene
Concen: 1.00 ng
RT: 21.91 min Scan# 3997
Delta R.T. 0.00 min
Lab File: BECCAL05.D
Acq: 31 Jan 2015 3:49

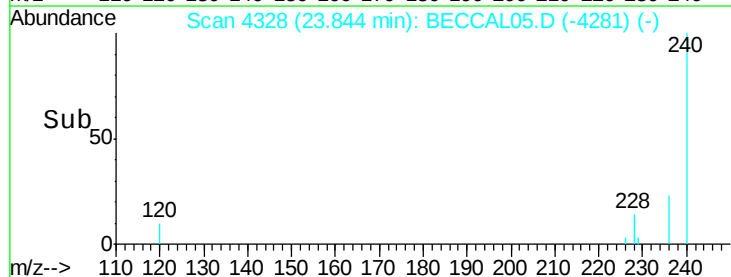
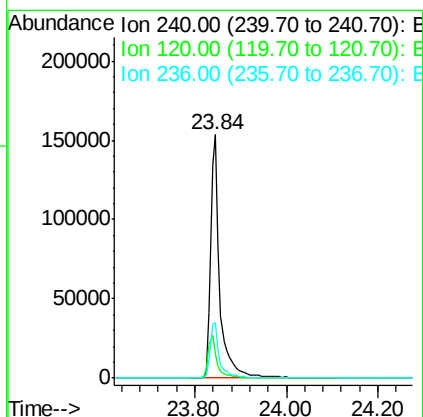
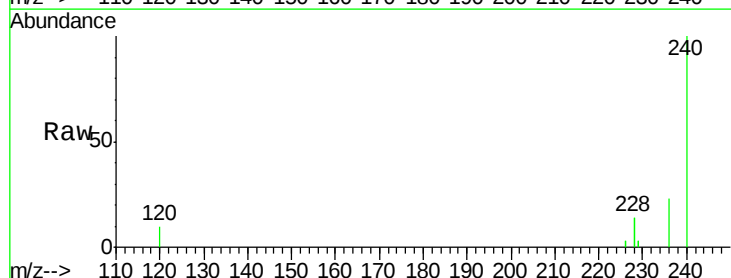
Instrument :
BNA_E
ClientSampleId :

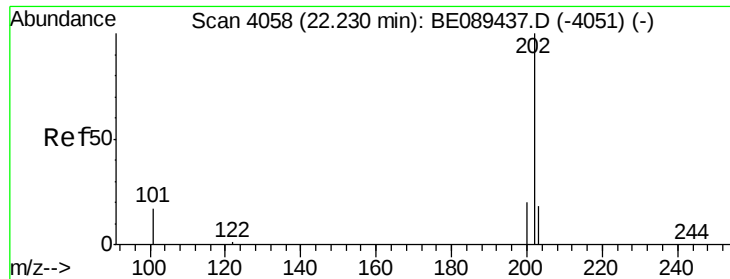
Tgt Ion: 202 Resp: 54013
Ion Ratio Lower Upper
202 100
101 16.6 13.6 20.4
203 17.0 13.8 20.6



#16
Chrysene-d12
Concen: 5.00 ng
RT: 23.84 min Scan# 4328
Delta R.T. 0.00 min
Lab File: BECCAL05.D
Acq: 31 Jan 2015 3:49

Tgt Ion: 240 Resp: 214794
Ion Ratio Lower Upper
240 100
120 10.1 8.6 13.0
236 22.9 18.7 28.1

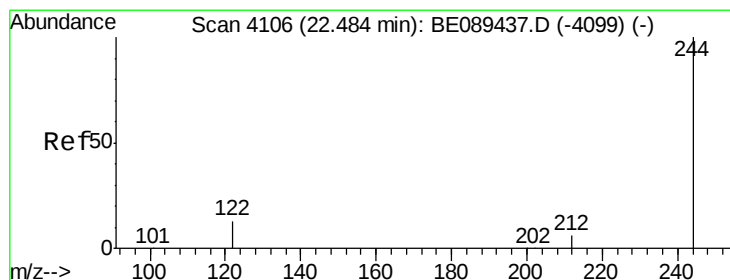
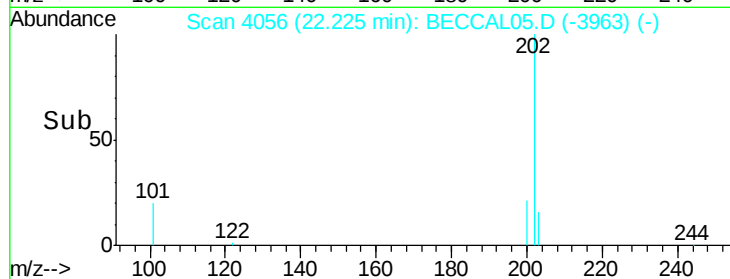
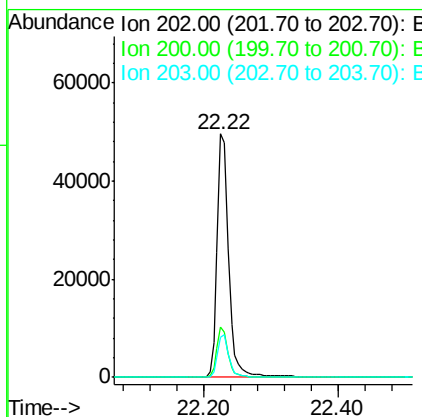
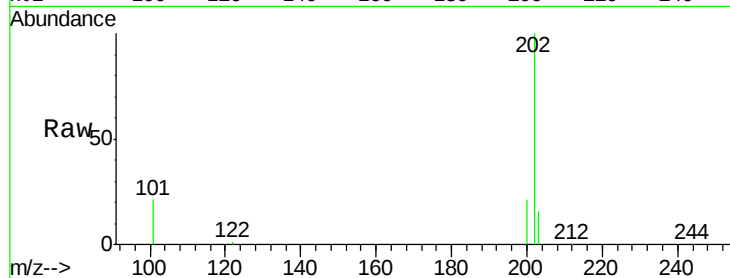




#17
Pyrene
Concen: 1.02 ng
RT: 22.22 min Scan# 4056
Delta R.T. -0.01 min
Lab File: BECCAL05.D
Acq: 31 Jan 2015 3:49

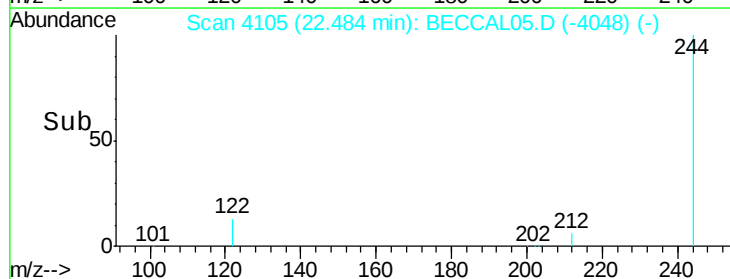
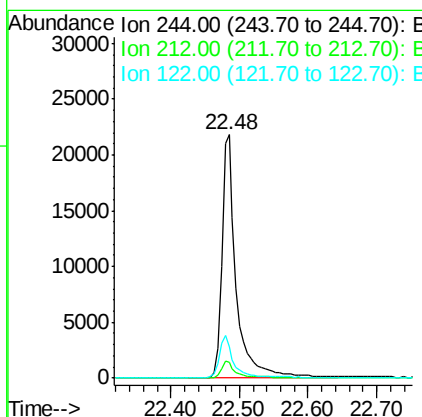
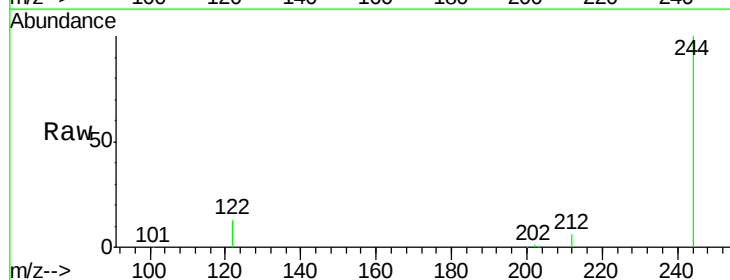
Instrument :
BNA_E
ClientSampleId :

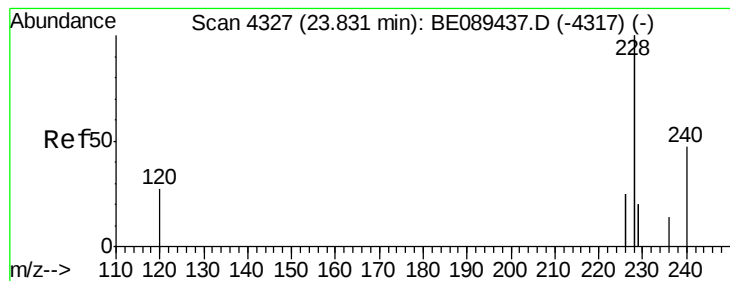
Tgt Ion:202 Resp: 58216
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.4
203 16.9 13.8 20.8



#18
Terphenyl-d14
Concen: 0.98 ng
RT: 22.48 min Scan# 4105
Delta R.T. 0.00 min
Lab File: BECCAL05.D
Acq: 31 Jan 2015 3:49

Tgt Ion:244 Resp: 31539
Ion Ratio Lower Upper
244 100
212 6.3 5.0 7.6
122 13.0 10.2 15.4





#19

Benzo(a)anthracene

Concen: 0.84 ng

RT: 23.83 min Scan# 4326

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :

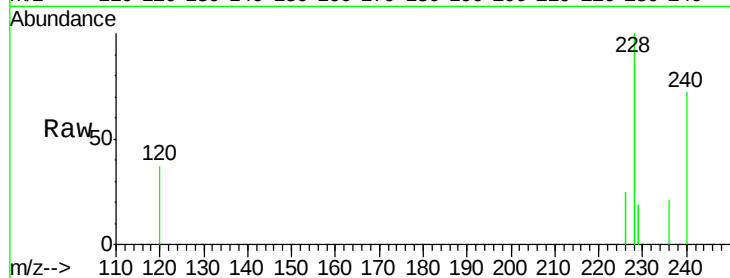
Tgt Ion:228 Resp: 151733

Ion Ratio Lower Upper

228 100

226 25.4 20.0 30.0

229 19.3 16.0 24.0

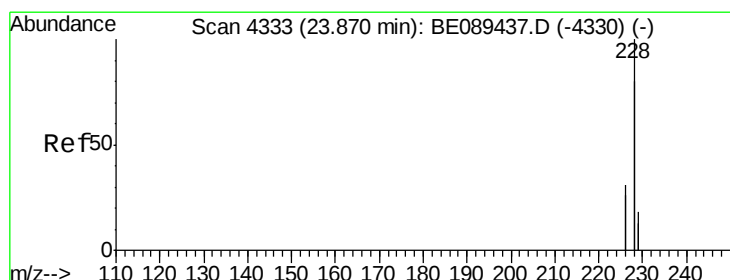
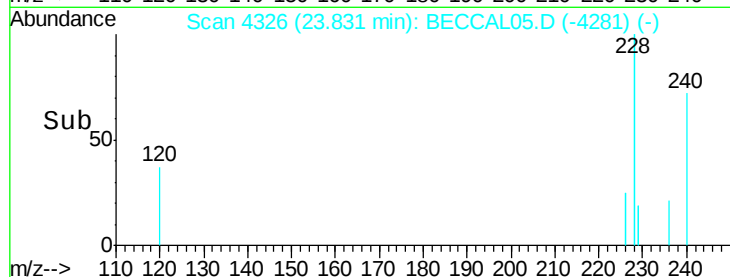
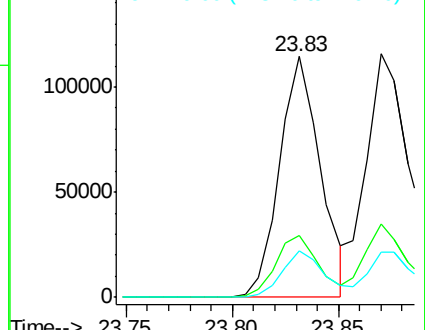


Abundance

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: 1.06 ng

RT: 23.87 min Scan# 4332

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

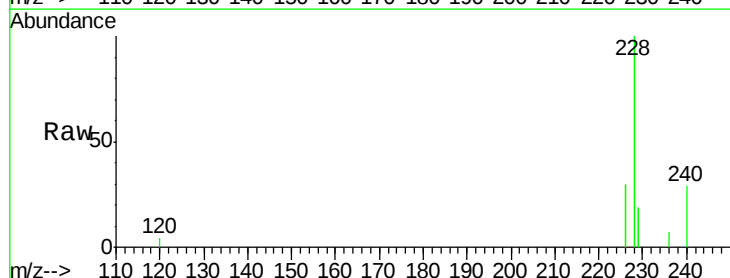
Tgt Ion:228 Resp: 216843

Ion Ratio Lower Upper

228 100

226 30.1 24.5 36.7

229 18.7 14.1 21.1

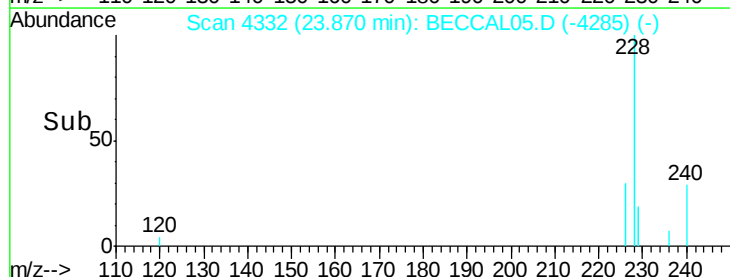
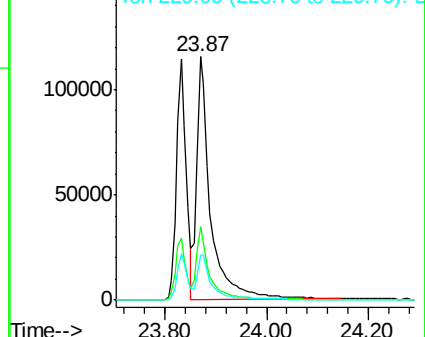


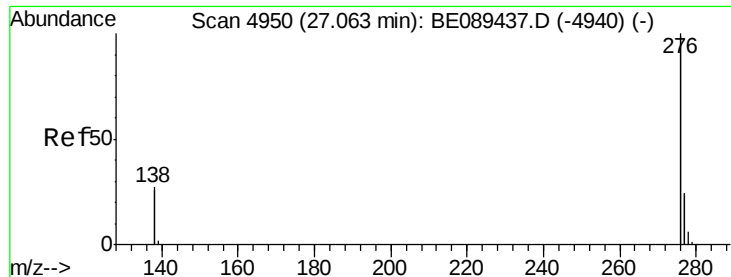
Abundance

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: 0.54 ng

RT: 27.06 min Scan# 4948

Delta R.T. -0.01 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :

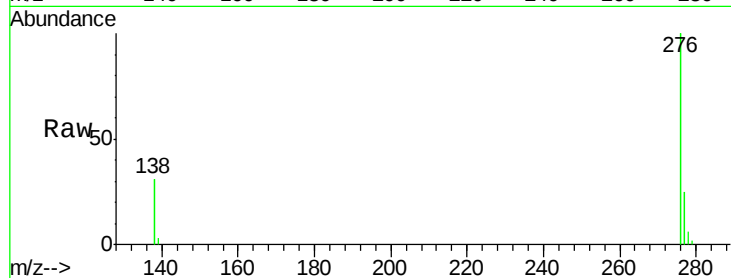
Tgt Ion:276 Resp: 96624

Ion Ratio Lower Upper

276 100

138 0.0 25.4 38.0#

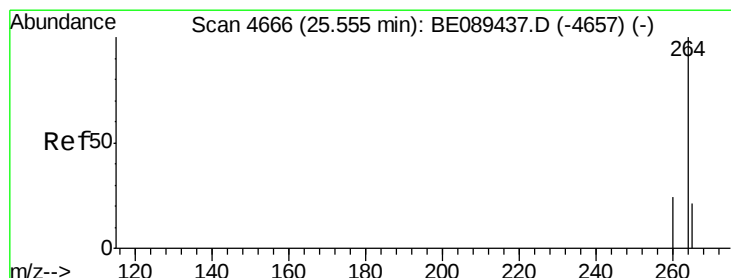
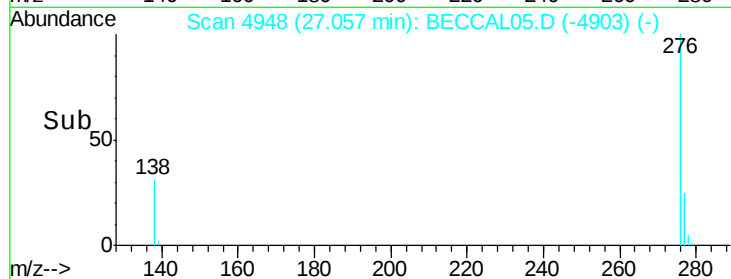
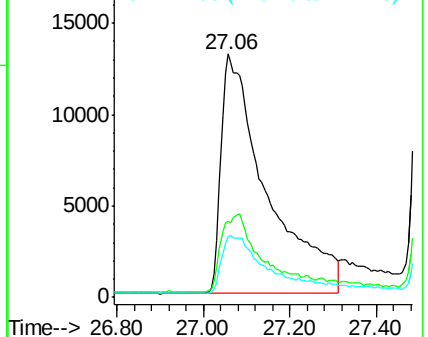
277 24.1 19.8 29.6



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 25.56 min Scan# 4665

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

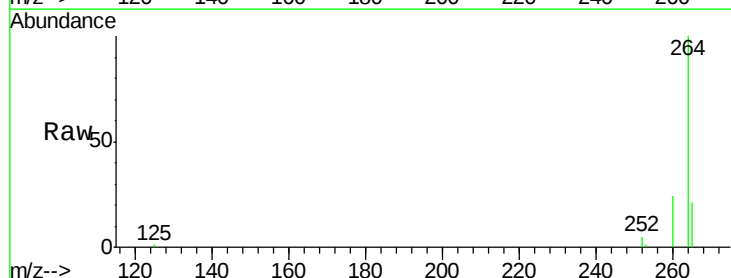
Tgt Ion:264 Resp: 181848

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

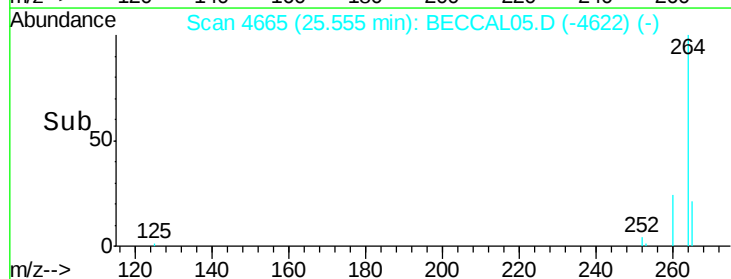
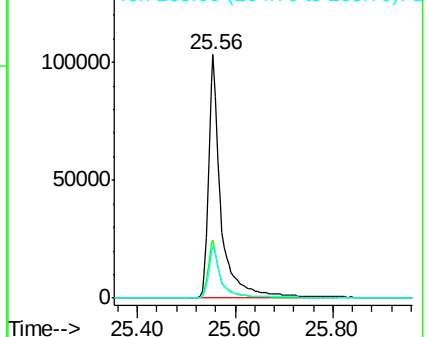
265 21.4 17.0 25.6

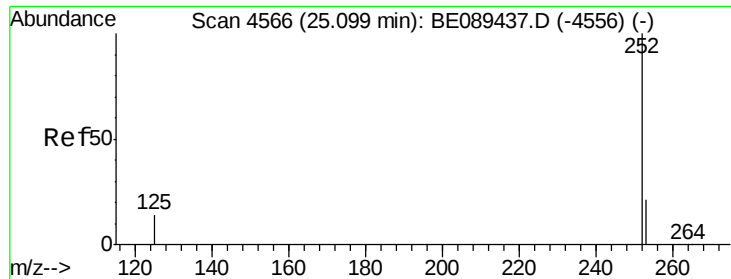


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.65 ng

RT: 25.10 min Scan# 4565

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampled :

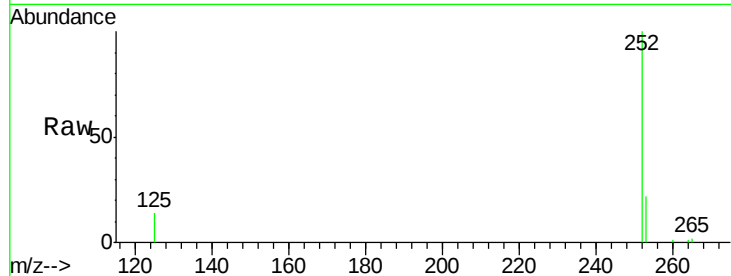
Tgt Ion:252 Resp: 15478

Ion Ratio Lower Upper

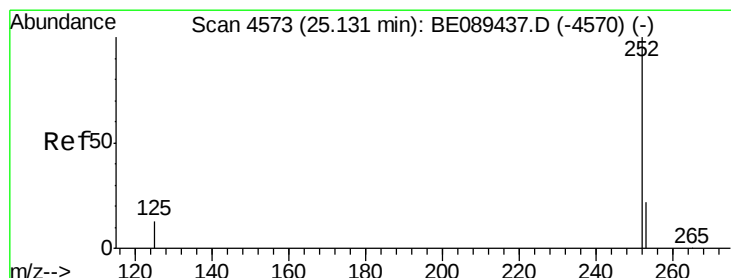
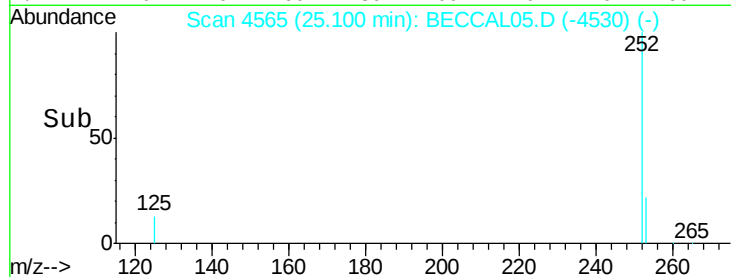
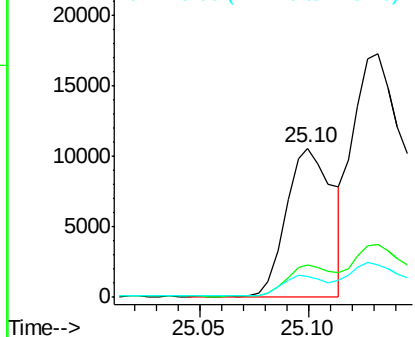
252 100

253 22.1 17.0 25.6

125 14.3 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: 1.11 ng

RT: 25.13 min Scan# 4572

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

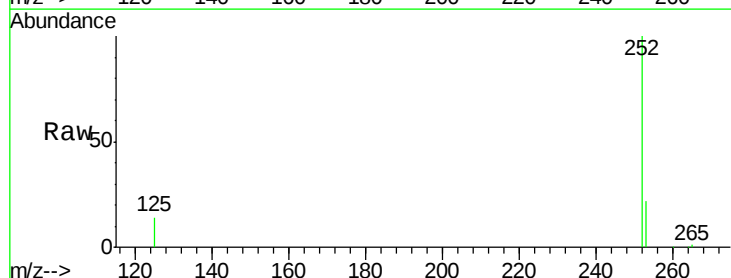
Tgt Ion:252 Resp: 51298

Ion Ratio Lower Upper

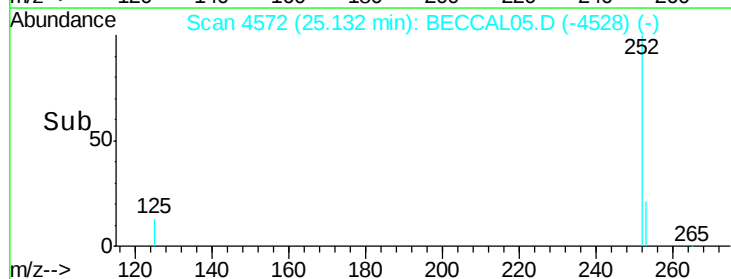
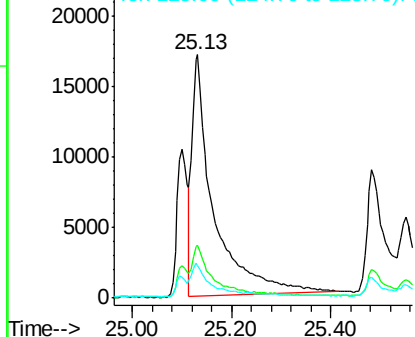
252 100

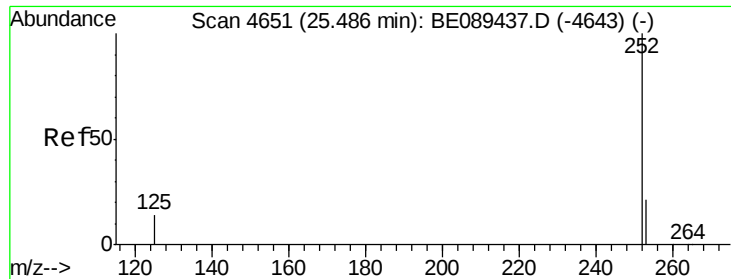
253 21.7 17.4 26.2

125 13.5 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: 0.70 ng

RT: 25.48 min Scan# 4649

Delta R.T. -0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :

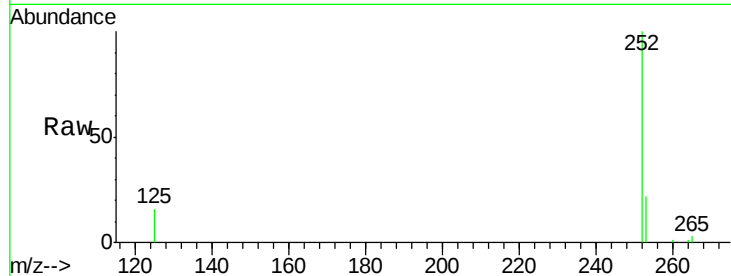
Tgt Ion:252 Resp: 19512

Ion Ratio Lower Upper

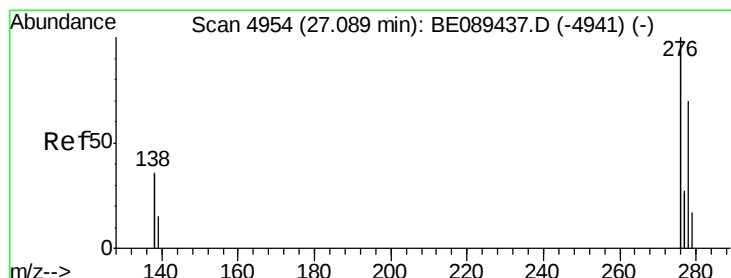
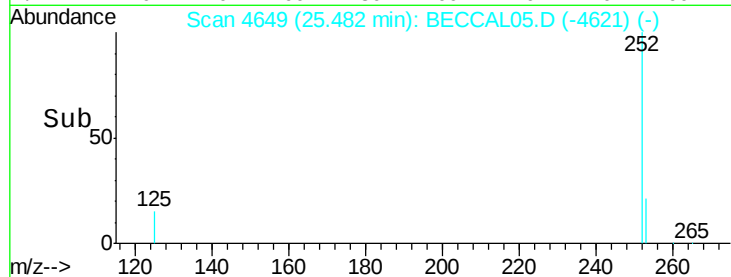
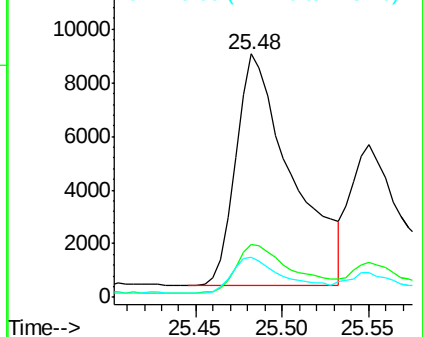
252 100

253 22.0 17.3 25.9

125 16.2 12.0 18.0



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



#26

Dibenzo(a,h)anthracene

Concen: 0.61 ng

RT: 27.09 min Scan# 4953

Delta R.T. 0.00 min

Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

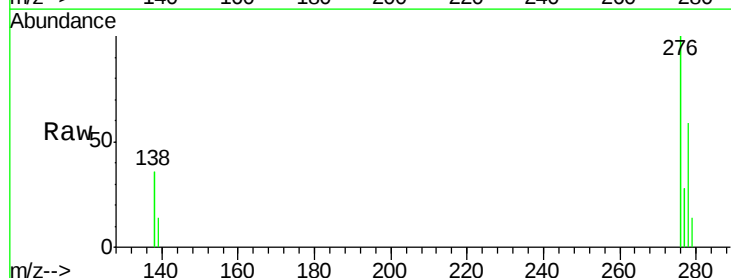
Tgt Ion:278 Resp: 18415

Ion Ratio Lower Upper

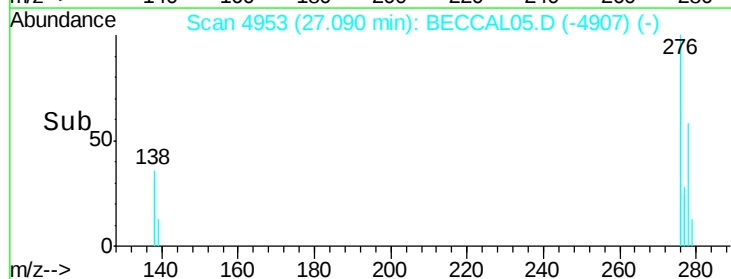
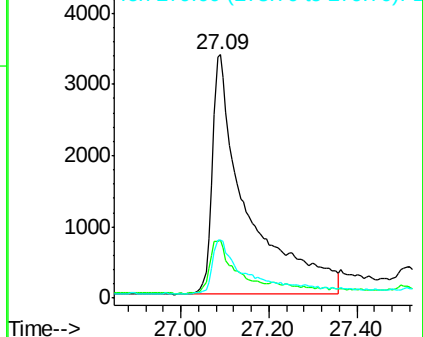
278 100

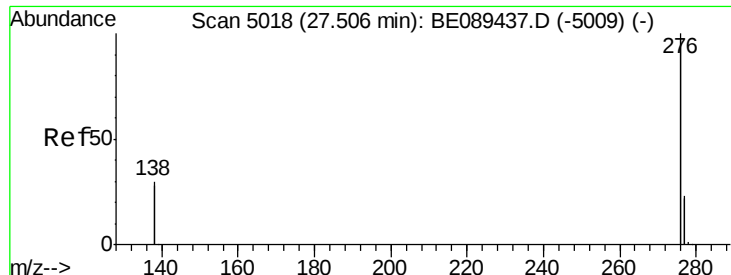
139 23.6 17.0 25.4

279 23.6 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#27

Benzo(g,h,i)perylene

Concen: 0.77 ng

RT: 27.51 min Scan# 5017

Delta R.T. 0.00 min

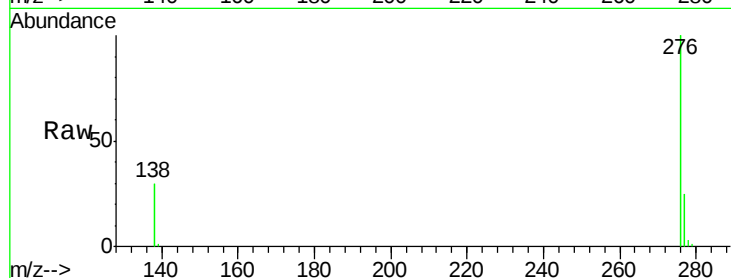
Lab File: BECCAL05.D

Acq: 31 Jan 2015 3:49

Instrument :

BNA_E

ClientSampleId :



Tgt Ion:276 Resp: 112415

Ion Ratio Lower Upper

276 100

277 24.5 18.4 27.6

138 29.8 23.7 35.5

