

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020215\
 Data File : BECCAL02.D
 Acq On : 3 Feb 2015 2:22
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 03 04:53:02 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 03 04:09:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	30234	5.00	ng	0.00
7) Naphthalene-d8	12.49	136	100579	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	36988	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	85670	5.00	ng	0.00
20) Chrysene-d12	23.84	240	140114	5.00	ng	0.00
27) Perylene-d12	25.56	264	170131	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.76	112	9816	0.97	ng	0.00
4) Phenol-d6	8.88	99	11043	0.94	ng	0.00
8) Nitrobenzene-d5	10.85	82	6979	0.95	ng	0.00
14) 2,4,6-Tribromophenol	18.59	330	1151	1.23	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	9639	0.93	ng	0.00
22) Terphenyl-d14	22.48	244	15732	0.99	ng	0.00

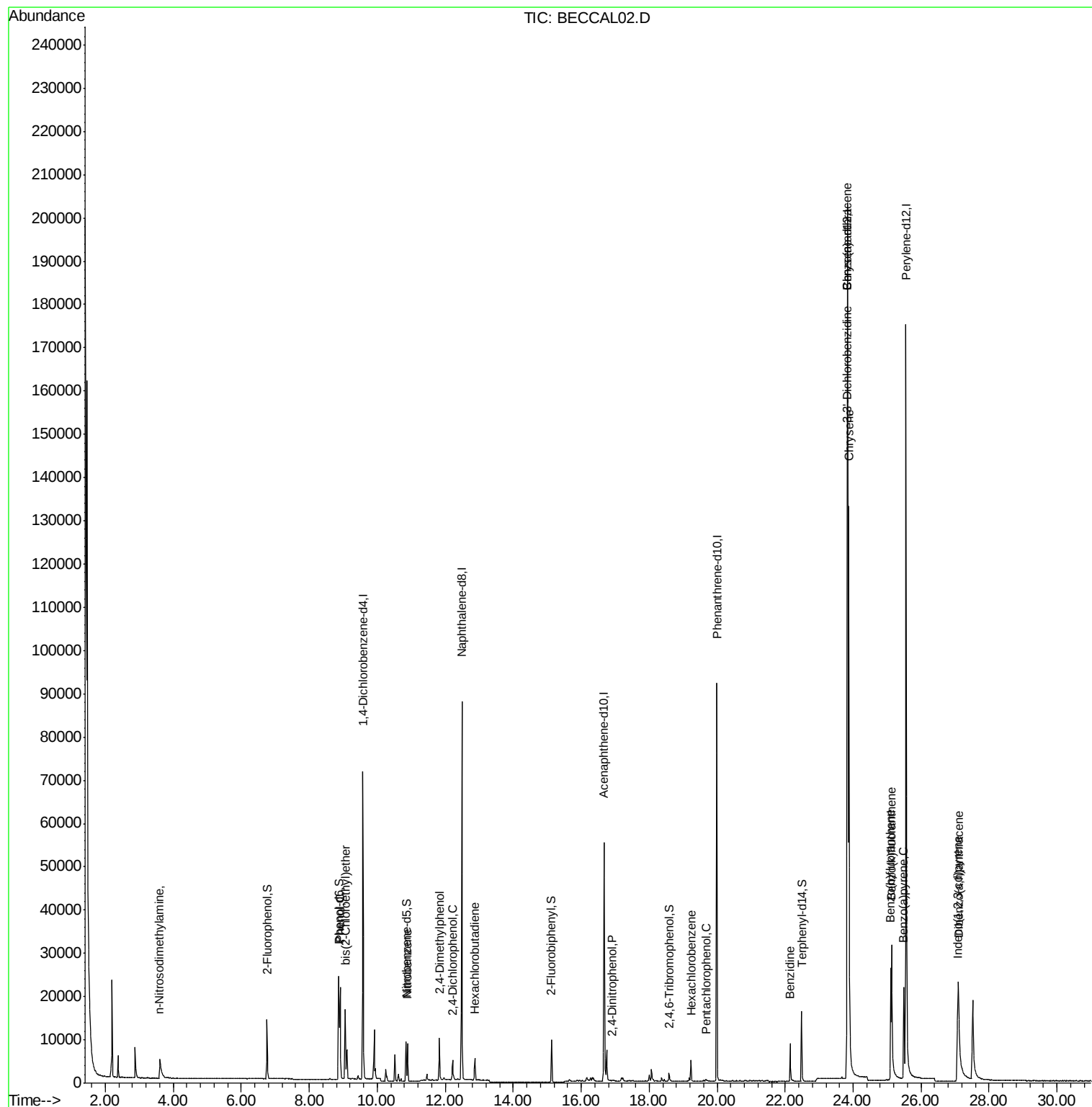
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.60	42	5241	1.00	ng	# 78
5) Phenol	8.91	94	10986	0.86	ng	99
6) bis(2-Chloroethyl)ether	9.06	93	8596	0.93	ng	# 98
9) Nitrobenzene	10.89	77	8067	0.97	ng	99
10) 2,4-Dimethylphenol	11.83	122	5638	0.95	ng	89
11) 2,4-Dichlorophenol	12.22	162	4402	0.98	ng	93
12) Hexachlorobutadiene	12.87	225	3151	0.99	ng	99
16) 2,4-Dinitrophenol	16.91	184	121	0.52	ng	84
18) Hexachlorobenzene	19.23	284	4063	0.90	ng	99
19) Pentachlorophenol	19.67	266	379	0.92	ng	88
21) Benzidine	22.14	184	10281	0.91	ng	99
23) Benzo(a)anthracene	23.83	228	114320	1.02	ng	98
24) 3,3'-Dichlorobenzidine	23.82	252	10147	0.93	ng	95
25) Chrysene	23.87	228	133682	0.98	ng	97
26) Indeno(1,2,3-cd)pyrene	27.07	276	40818	0.88	ng	97
28) Benzo(b)fluoranthene	25.10	252	25253	0.97	ng	99
29) Benzo(k)fluoranthene	25.13	252	43251	1.02	ng	99
30) Benzo(a)pyrene	25.49	252	27153	0.94	ng	100
31) Dibenzo(a,h)anthracene	27.10	278	32021	0.86	ng	99

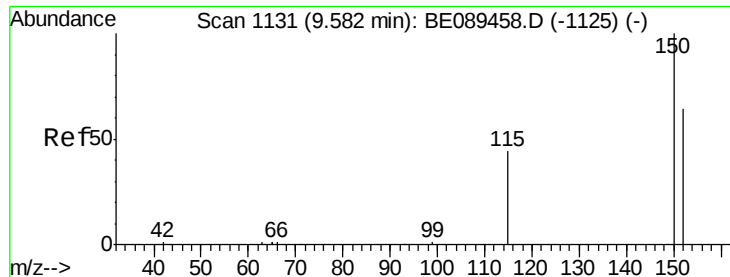
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

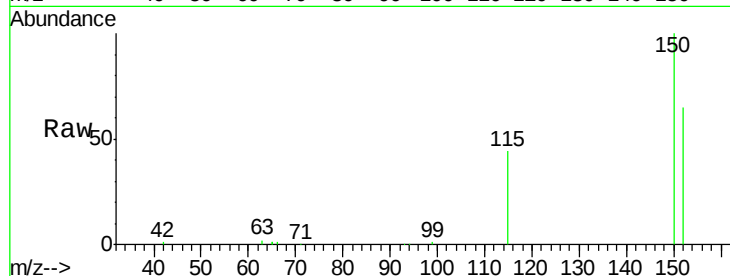
Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :



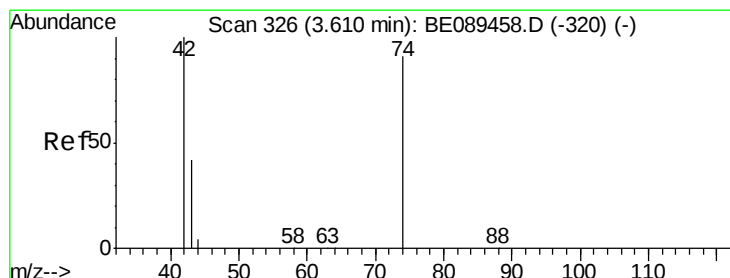
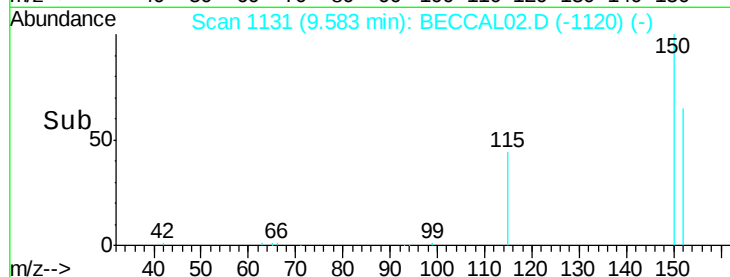
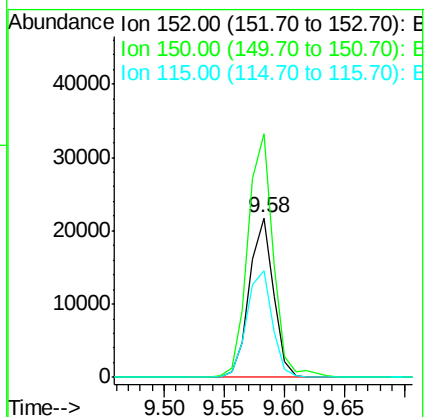
Tgt Ion:152 Resp: 30234

Ion Ratio Lower Upper

152 100

150 152.7 124.6 186.8

115 66.9 55.4 83.0



#2

n-Nitrosodimethylamine

Concen: 1.00 ng

RT: 3.60 min Scan# 325

Delta R.T. -0.01 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

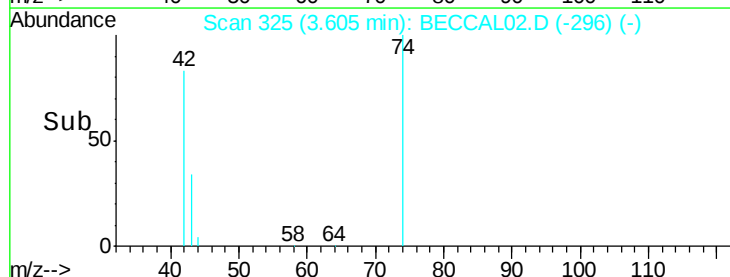
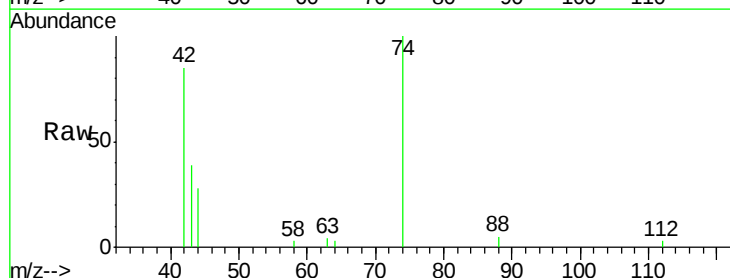
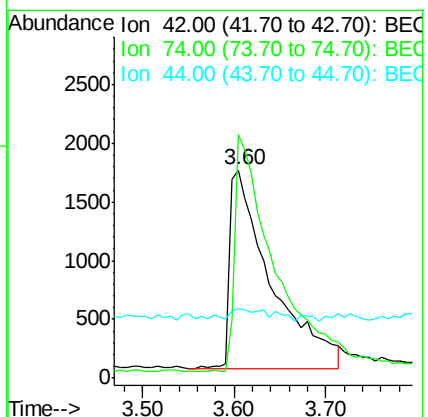
Tgt Ion: 42 Resp: 5241

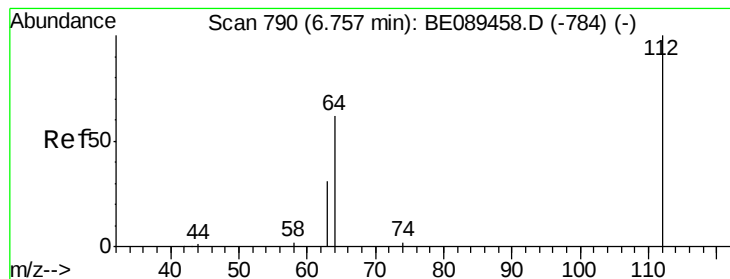
Ion Ratio Lower Upper

42 100

74 117.2 72.1 108.1#

44 33.2 28.0 42.0





#3

2-Fluorophenol

Concen: 0.97 ng

RT: 6.76 min Scan# 790

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

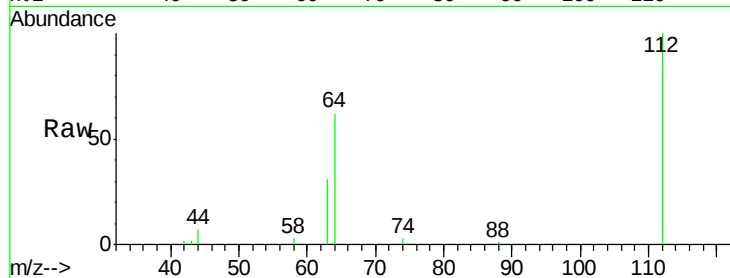
Tgt Ion: 112 Resp: 9816

Ion Ratio Lower Upper

112 100

64 62.1 49.8 74.8

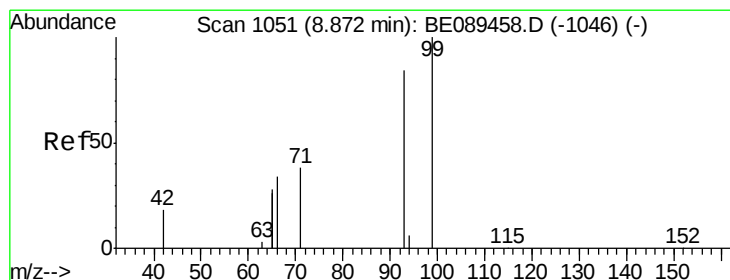
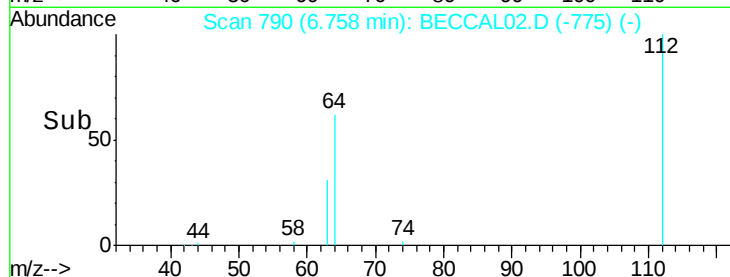
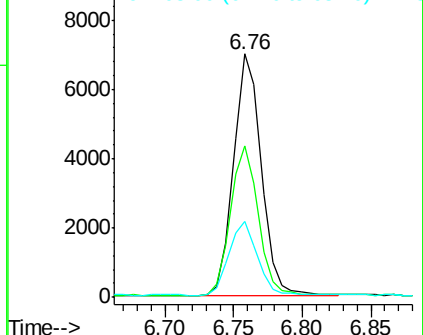
63 31.3 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): BE

Ion 64.00 (63.70 to 64.70): BE

Ion 63.00 (62.70 to 63.70): BE



#4

Phenol-d6

Concen: 0.94 ng

RT: 8.88 min Scan# 1052

Delta R.T. 0.01 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

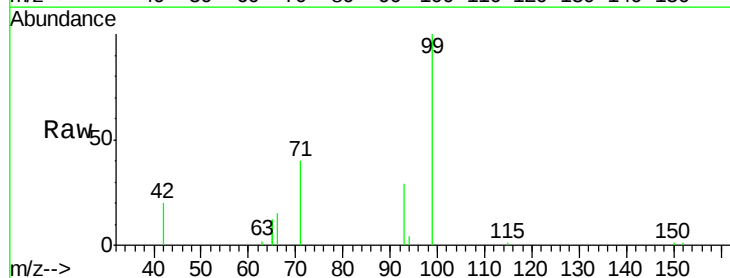
Tgt Ion: 99 Resp: 11043

Ion Ratio Lower Upper

99 100

42 19.8 15.0 22.4

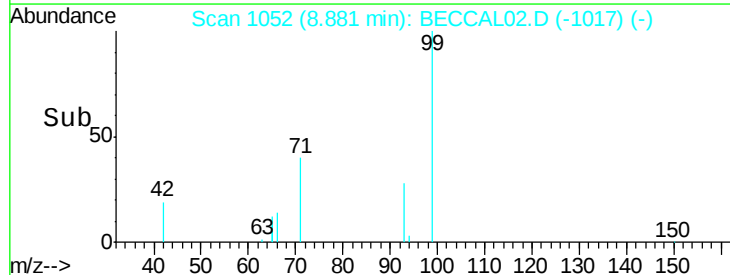
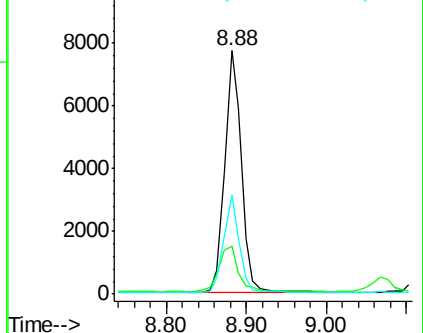
71 40.5 30.6 46.0

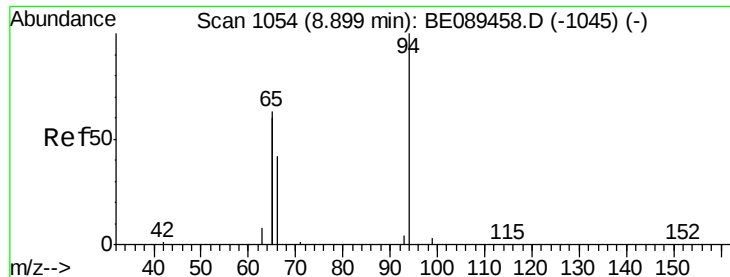


Abundance Ion 99.00 (98.70 to 99.70): BE

Ion 42.00 (41.70 to 42.70): BE

Ion 71.00 (70.70 to 71.70): BE





#5

Phenol

Concen: 0.86 ng

RT: 8.91 min Scan# 1055

Delta R.T. 0.01 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

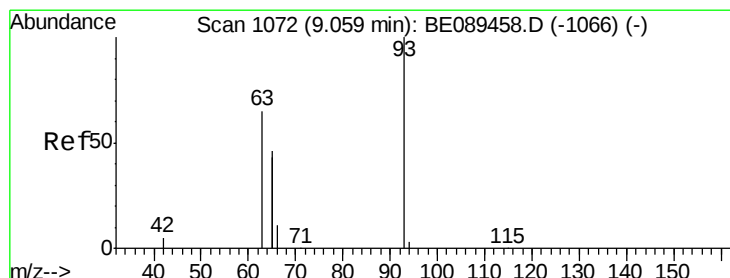
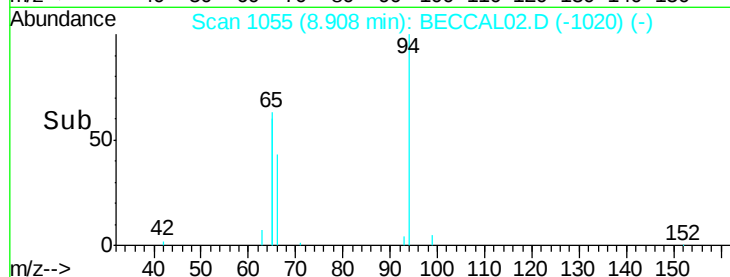
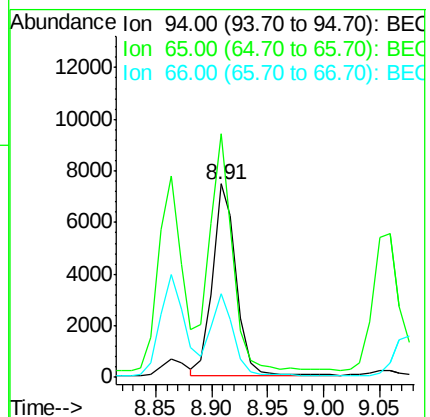
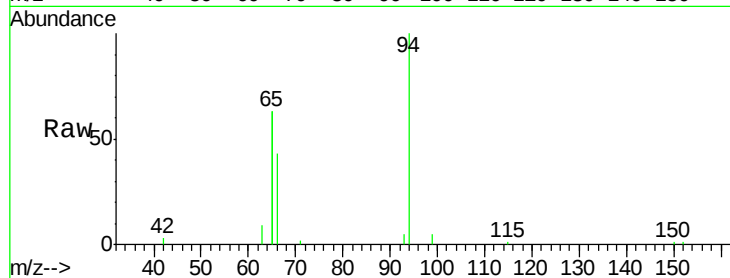
Tgt Ion: 94 Resp: 10986

Ion Ratio Lower Upper

94 100

65 125.8 105.0 145.0

66 43.1 22.4 62.4



#6

bis(2-Chloroethyl)ether

Concen: 0.93 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

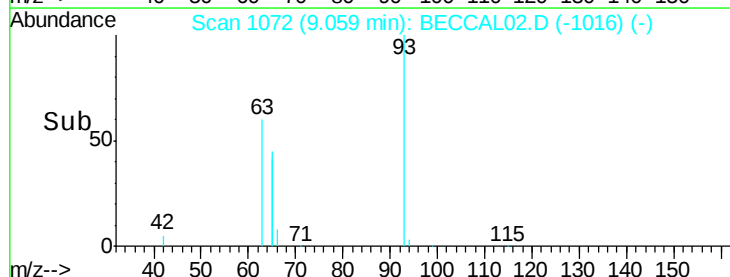
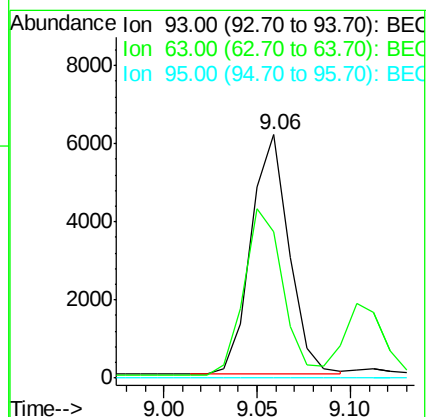
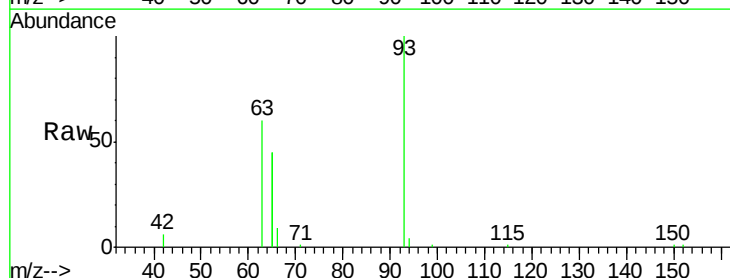
Tgt Ion: 93 Resp: 8596

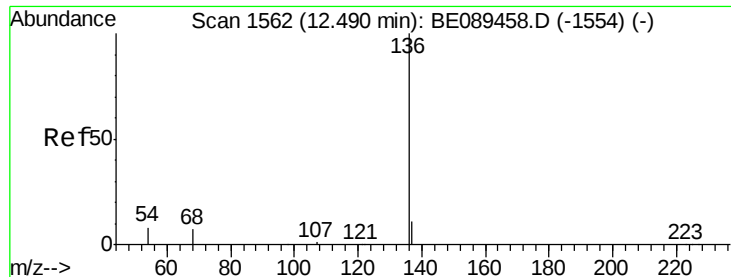
Ion Ratio Lower Upper

93 100

63 72.7 59.2 88.8

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.49 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

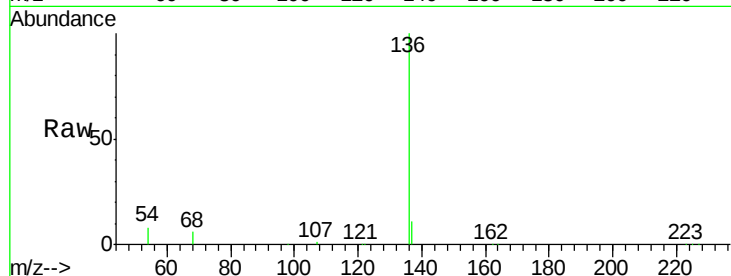
Tgt Ion: 136 Resp: 100579

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

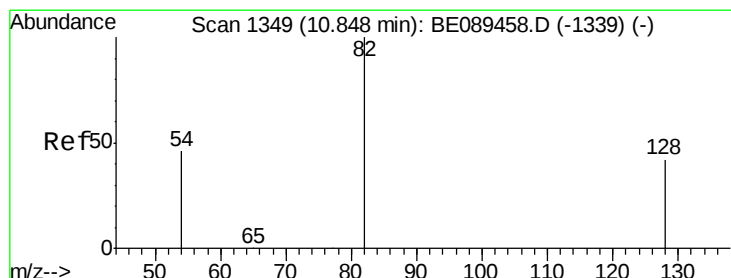
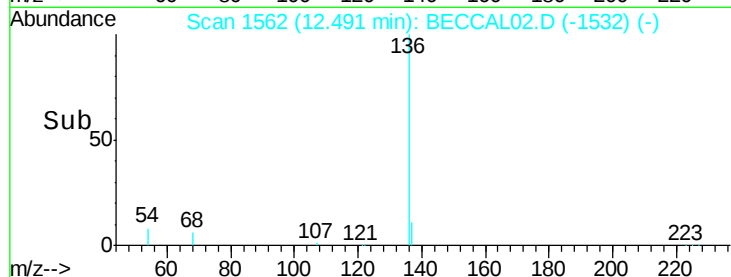
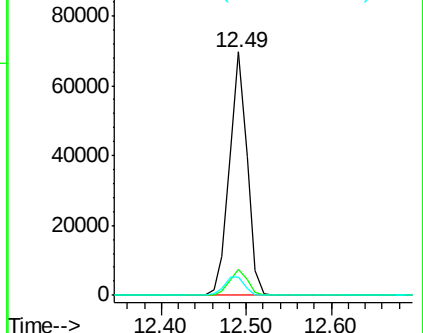
54 7.8 6.5 9.7



Abundance Ion 136.00 (135.70 to 136.70): BECCAL02.D (-1532) (-)

Ion 137.00 (136.70 to 137.70): BECCAL02.D (-1532) (-)

Ion 54.00 (53.70 to 54.70): BECCAL02.D (-1532) (-)



#8

Nitrobenzene-d5

Concen: 0.95 ng

RT: 10.85 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

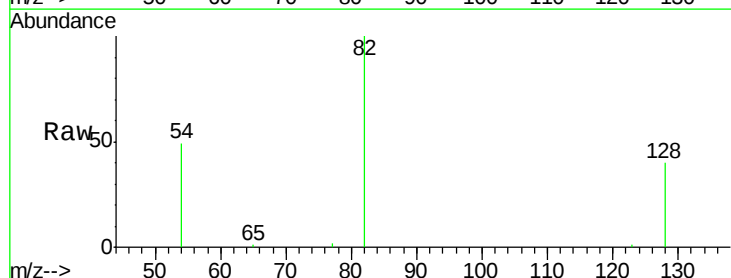
Tgt Ion: 82 Resp: 6979

Ion Ratio Lower Upper

82 100

128 40.3 34.2 51.2

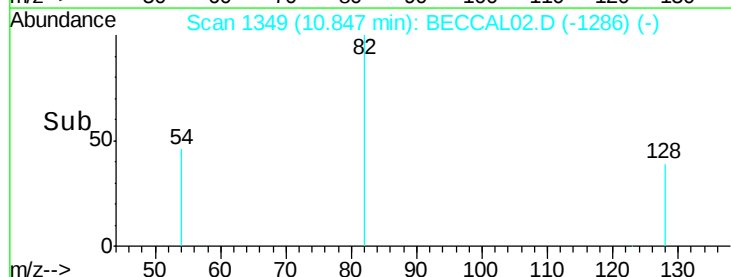
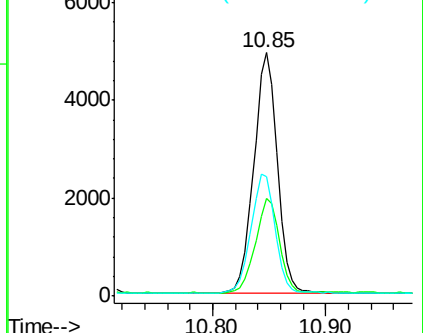
54 48.9 37.3 55.9

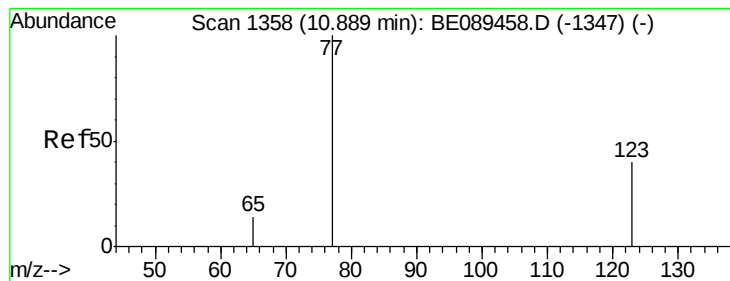


Abundance Ion 82.00 (81.70 to 82.70): BECCAL02.D (-1286) (-)

Ion 128.00 (127.70 to 128.70): BECCAL02.D (-1286) (-)

Ion 54.00 (53.70 to 54.70): BECCAL02.D (-1286) (-)





#9

Nitrobenzene

Concen: 0.97 ng

RT: 10.89 min Scan# 1359

Delta R.T. 0.00 min

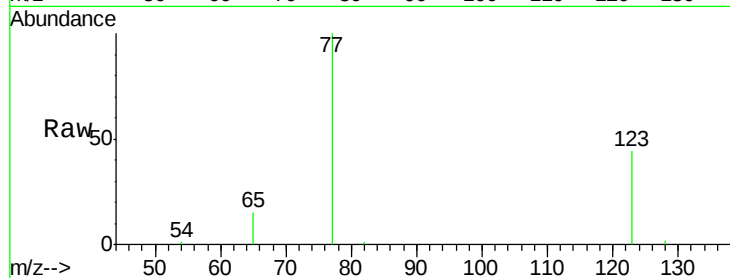
Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :



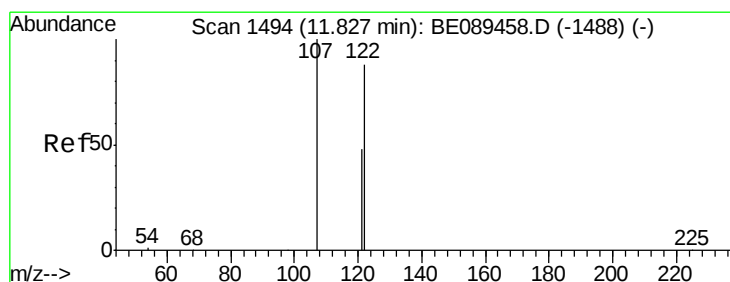
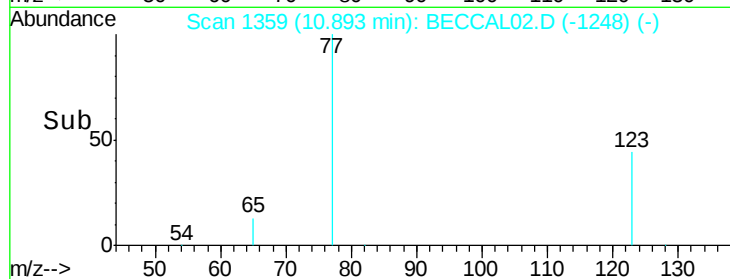
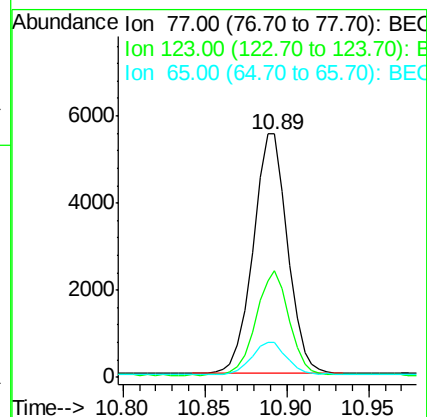
Tgt Ion: 77 Resp: 8067

Ion Ratio Lower Upper

77 100

123 41.6 33.6 50.4

65 13.6 11.0 16.6



#10

2,4-Dimethylphenol

Concen: 0.95 ng

RT: 11.83 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

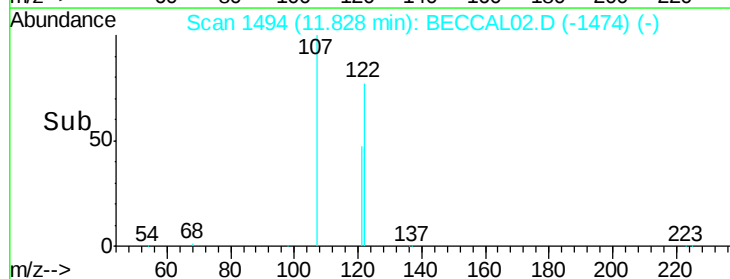
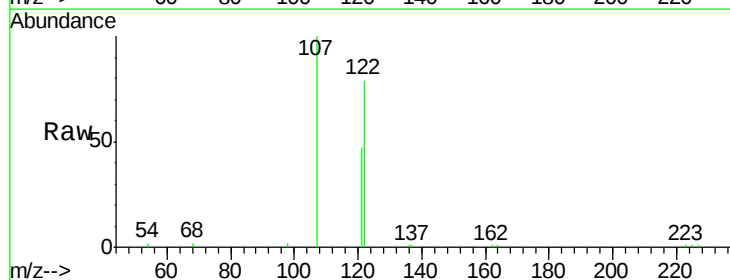
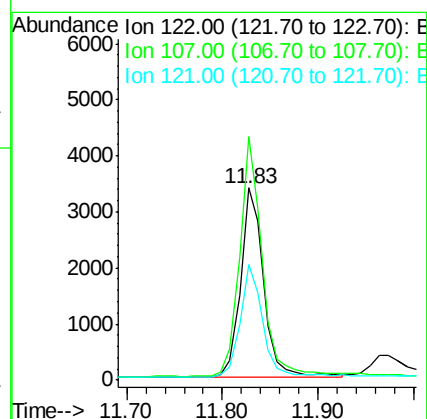
Tgt Ion: 122 Resp: 5638

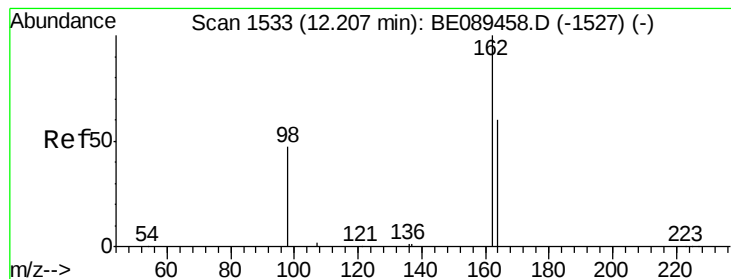
Ion Ratio Lower Upper

122 100

107 126.6 90.6 136.0

121 59.9 43.7 65.5





#11

2,4-Dichlorophenol

Concen: 0.98 ng

RT: 12.22 min Scan# 1534

Delta R.T. 0.01 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

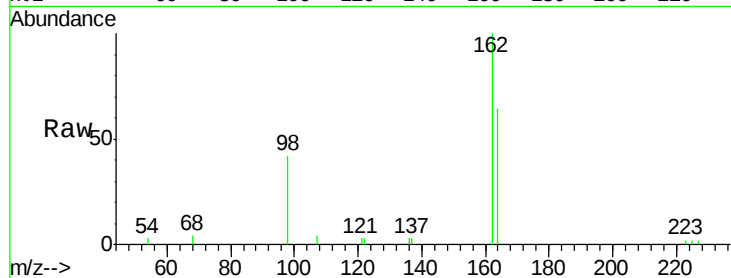
Tgt Ion:162 Resp: 4402

Ion Ratio Lower Upper

162 100

164 64.3 40.5 80.5

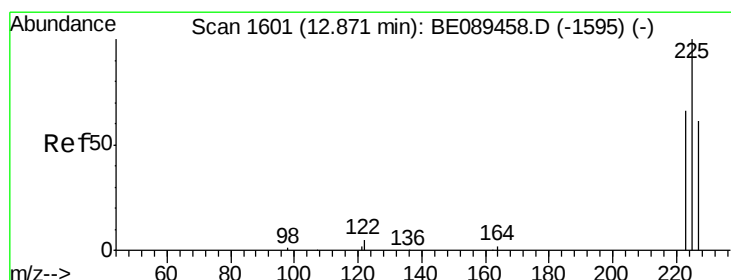
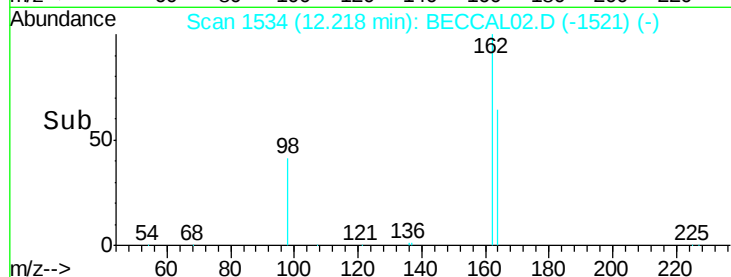
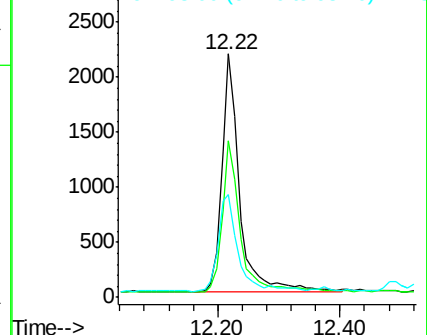
98 42.3 28.1 68.1



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BEC



#12

Hexachlorobutadiene

Concen: 0.99 ng

RT: 12.87 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

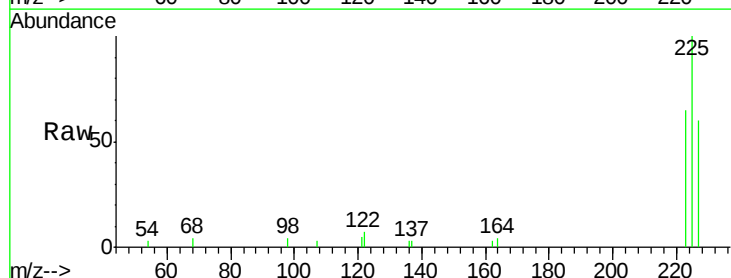
Tgt Ion:225 Resp: 3151

Ion Ratio Lower Upper

225 100

223 63.5 50.2 75.2

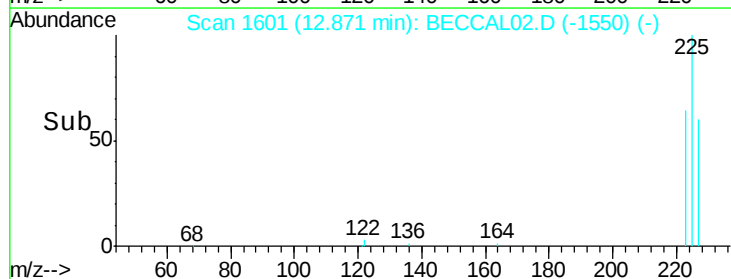
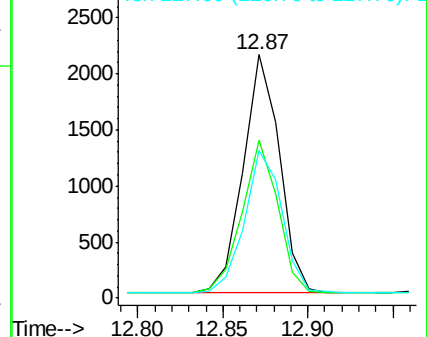
227 61.4 49.9 74.9

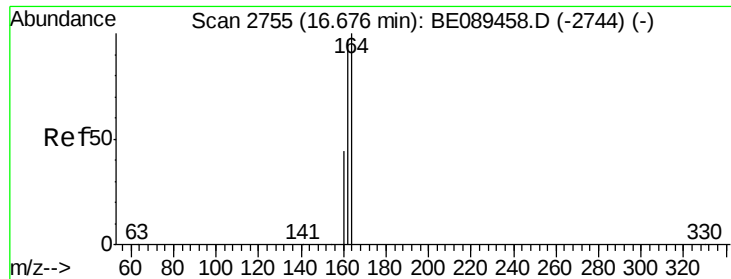


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.68 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

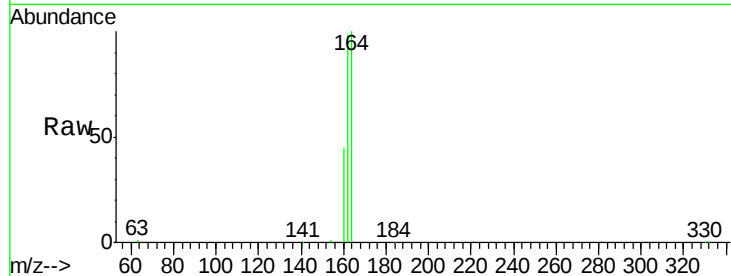
Tgt Ion:164 Resp: 36988

Ion Ratio Lower Upper

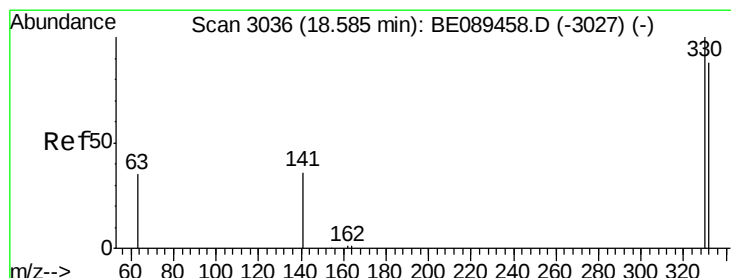
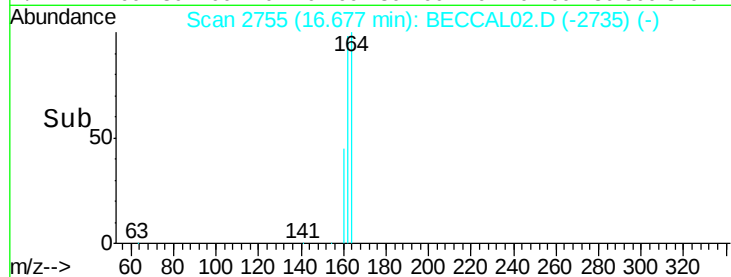
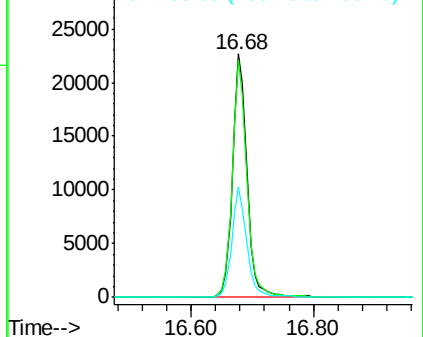
164 100

162 97.5 77.4 116.2

160 45.4 35.5 53.3



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



#14

2,4,6-Tribromophenol

Concen: 1.23 ng

RT: 18.59 min Scan# 3036

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

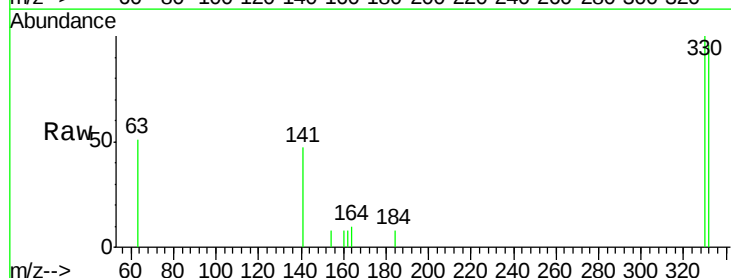
Tgt Ion:330 Resp: 1151

Ion Ratio Lower Upper

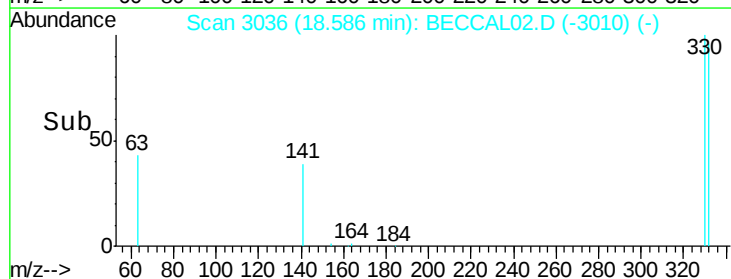
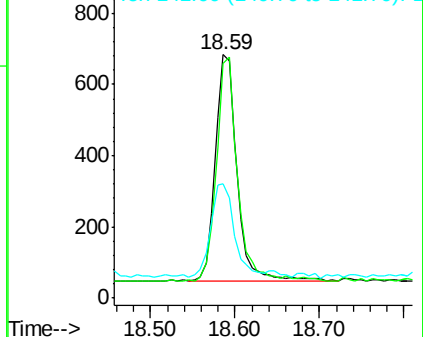
330 100

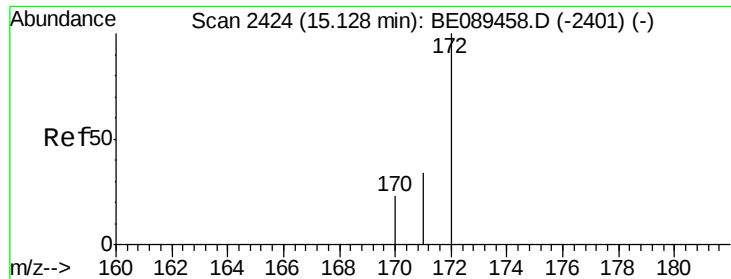
332 95.2 75.4 113.2

141 44.4 35.7 53.5



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

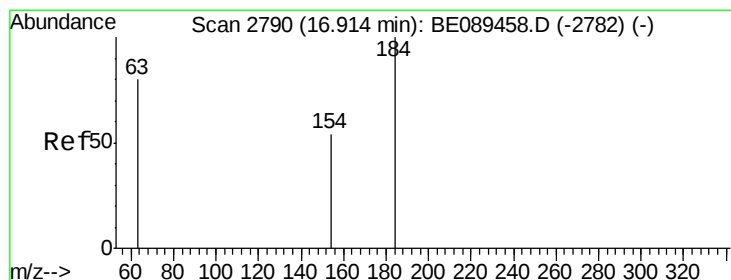
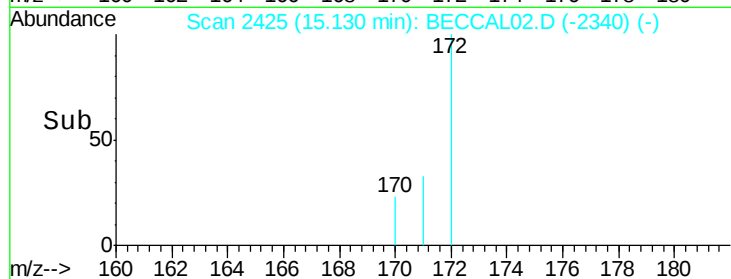
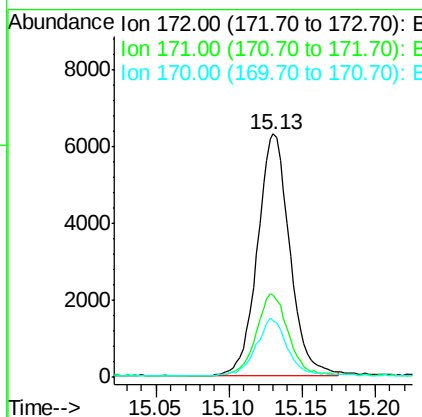
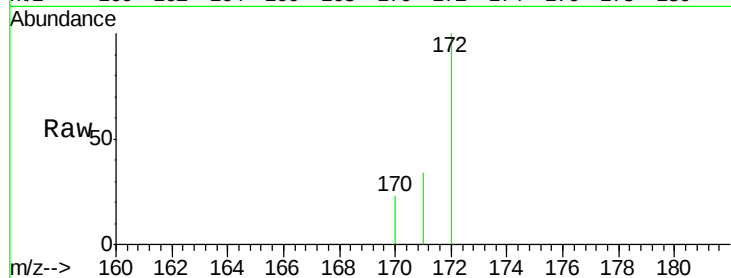




#15
2-Fluorobiphenyl
Concen: 0.93 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BECCAL02.D
Acq: 3 Feb 2015 2:22

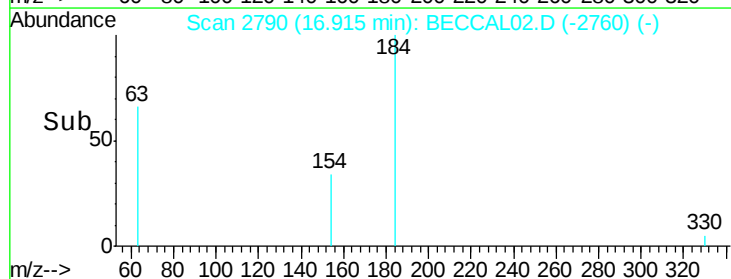
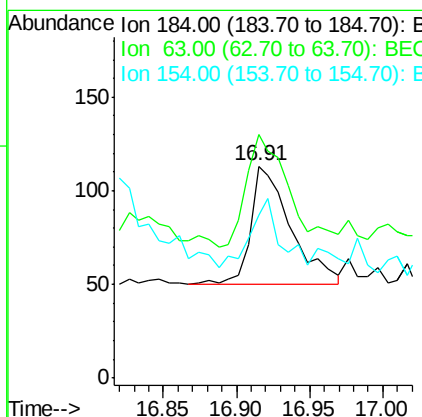
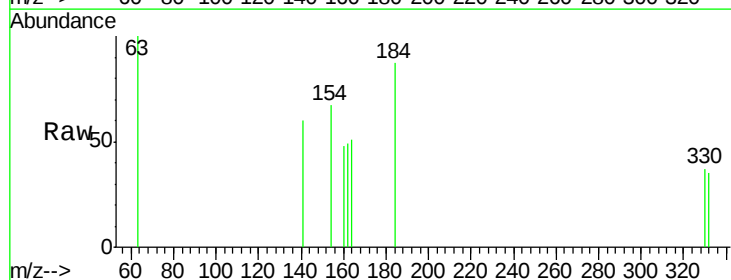
Instrument :
BNA_E
ClientSampleId :

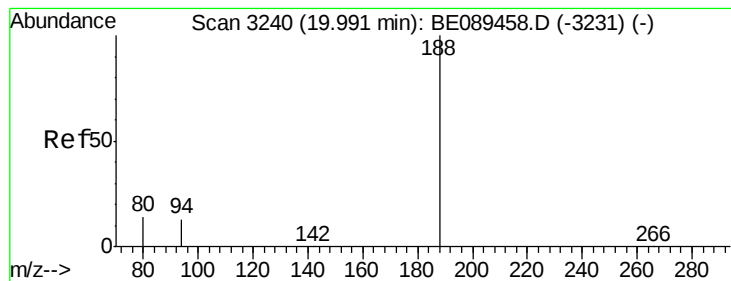
Tgt Ion:172 Resp: 9639
Ion Ratio Lower Upper
172 100
171 33.8 27.7 41.5
170 23.2 18.3 27.5



#16
2,4-Dinitrophenol
Concen: 0.52 ng
RT: 16.91 min Scan# 2790
Delta R.T. 0.00 min
Lab File: BECCAL02.D
Acq: 3 Feb 2015 2:22

Tgt Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 115.0 77.0 115.6
154 77.0 54.0 81.0





#17

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.99 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

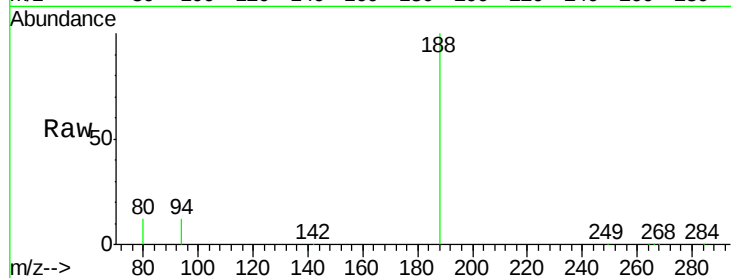
Tgt Ion:188 Resp: 85670

Ion Ratio Lower Upper

188 100

94 12.2 10.2 15.4

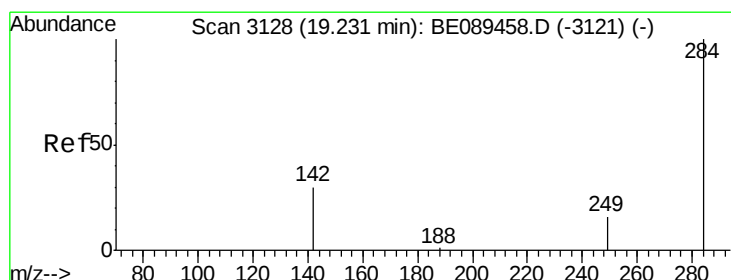
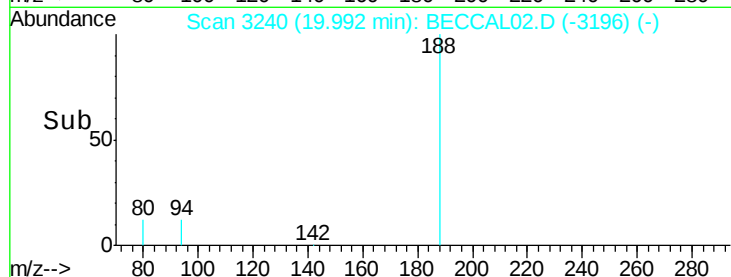
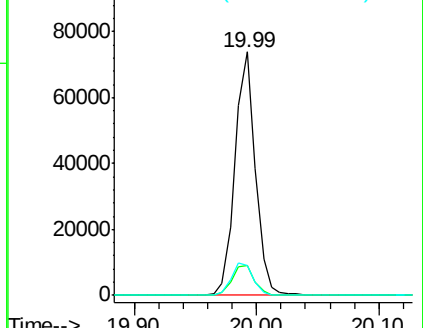
80 12.3 10.9 16.3



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



#18

Hexachlorobenzene

Concen: 0.90 ng

RT: 19.23 min Scan# 3128

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

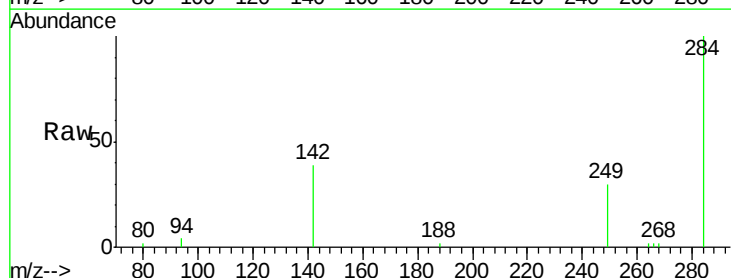
Tgt Ion:284 Resp: 4063

Ion Ratio Lower Upper

284 100

142 39.3 31.8 47.8

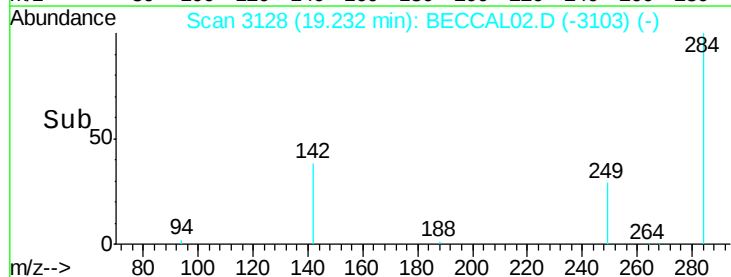
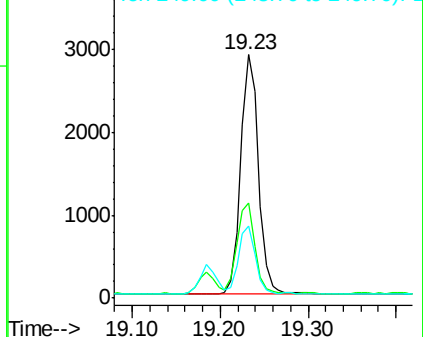
249 29.9 23.5 35.3

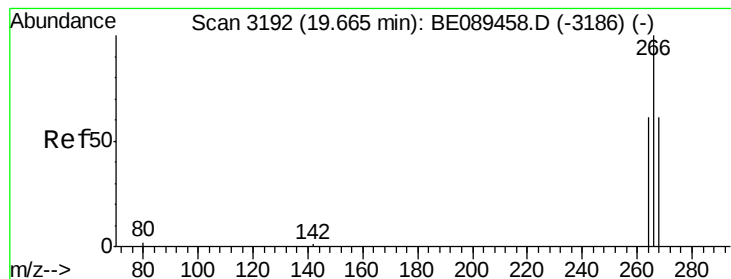


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#19

Pentachlorophenol

Concen: 0.92 ng

RT: 19.67 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

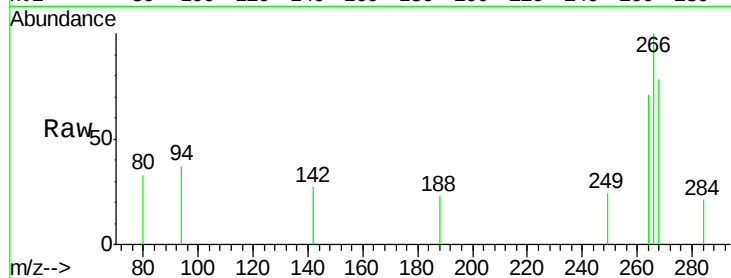
Tgt Ion:266 Resp: 379

Ion Ratio Lower Upper

266 100

268 78.5 52.6 78.8

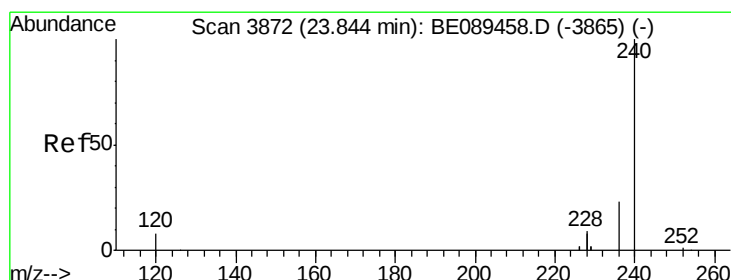
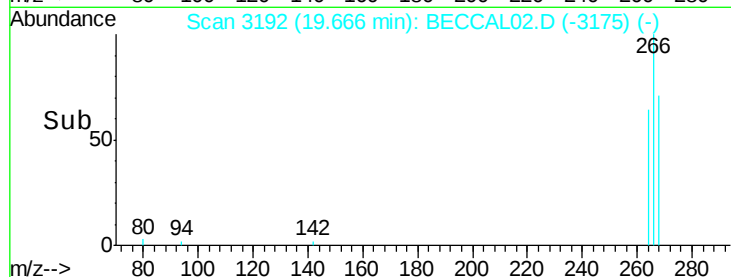
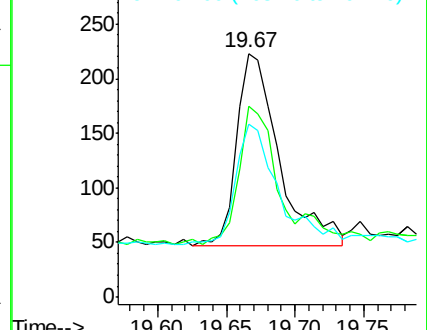
264 70.9 52.2 78.2



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



#20

Chrysene-d12

Concen: 5.00 ng

RT: 23.84 min Scan# 3872

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

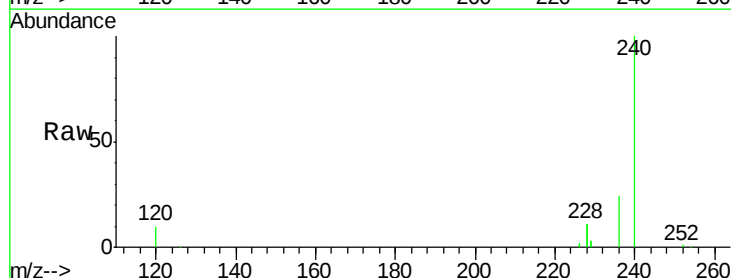
Tgt Ion:240 Resp: 140114

Ion Ratio Lower Upper

240 100

120 9.6 6.2 9.4#

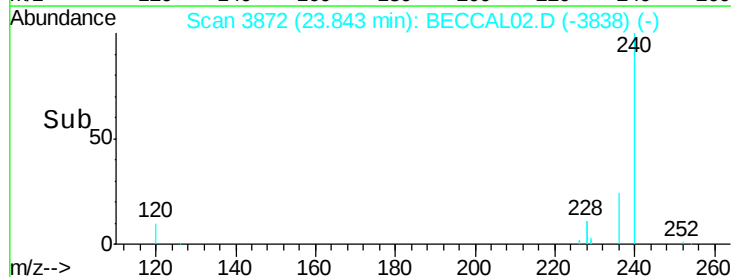
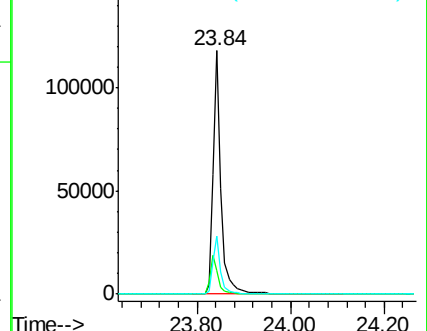
236 23.8 18.2 27.4

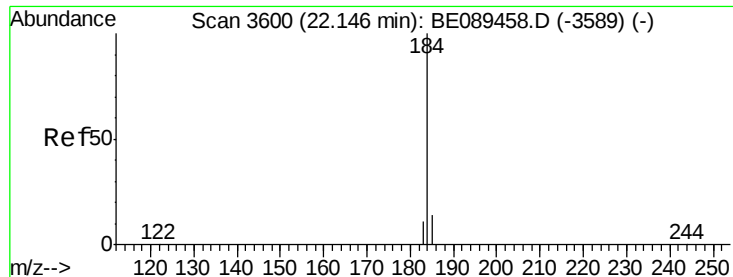


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 0.91 ng

RT: 22.14 min Scan# 3600

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

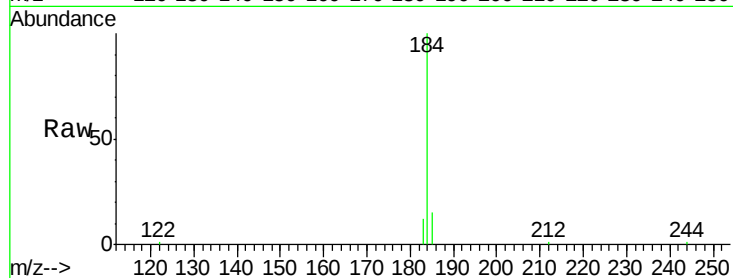
Tgt Ion:184 Resp: 10281

Ion Ratio Lower Upper

184 100

185 14.5 11.7 17.5

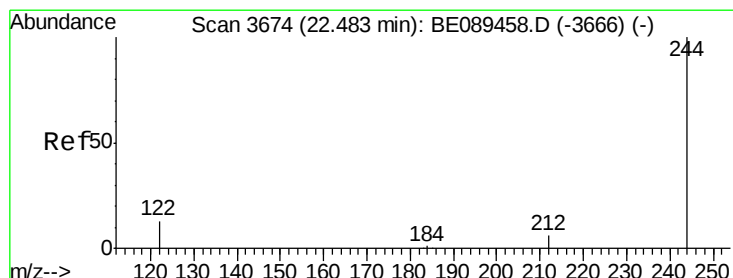
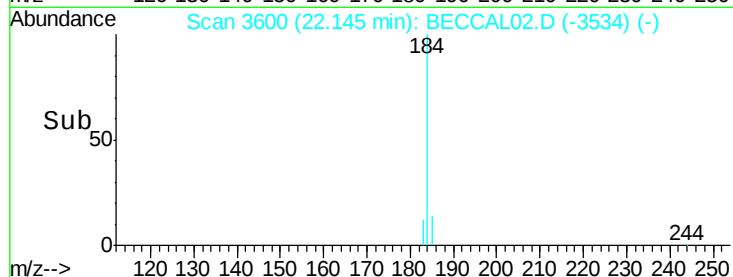
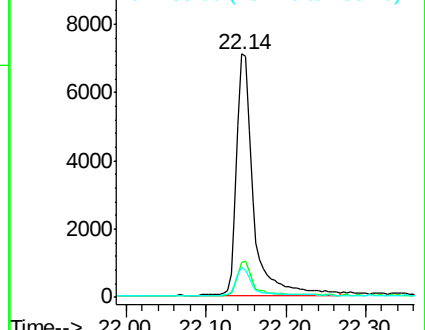
183 12.3 9.4 14.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#22

Terphenyl-d14

Concen: 0.99 ng

RT: 22.48 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

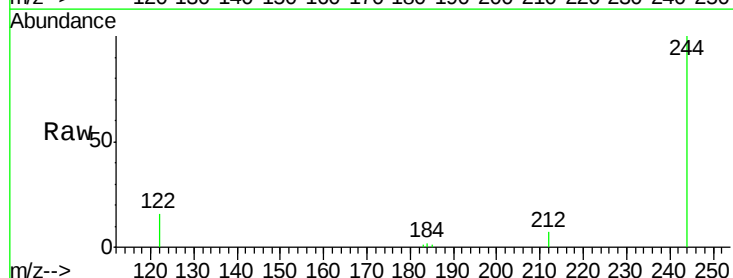
Tgt Ion:244 Resp: 15732

Ion Ratio Lower Upper

244 100

212 7.0 5.3 7.9

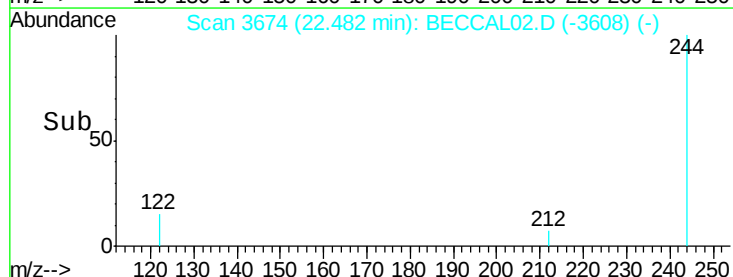
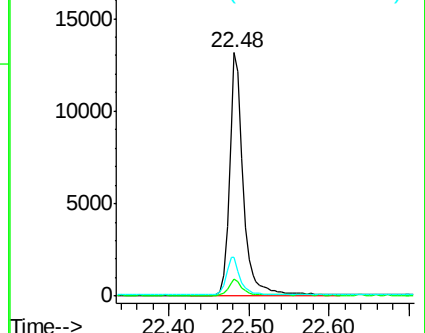
122 15.8 10.5 15.7#

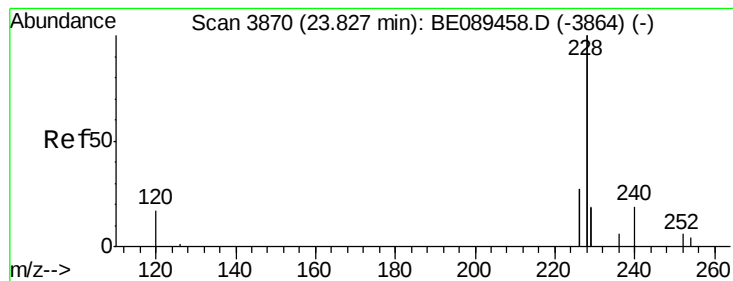


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 1.02 ng

RT: 23.83 min Scan# 3870

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

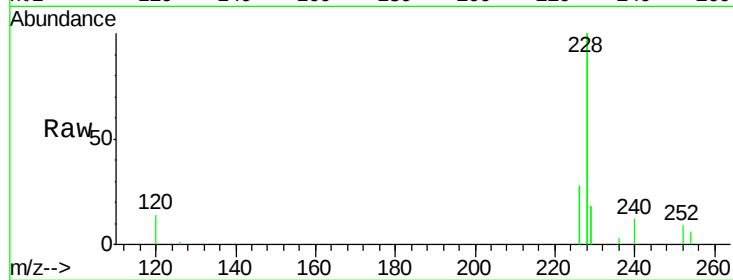
Tgt Ion:228 Resp: 114320

Ion Ratio Lower Upper

228 100

226 28.2 21.7 32.5

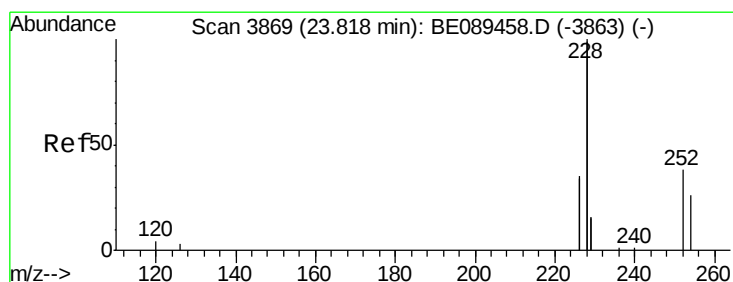
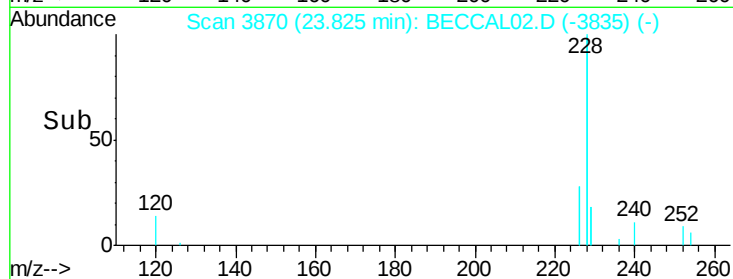
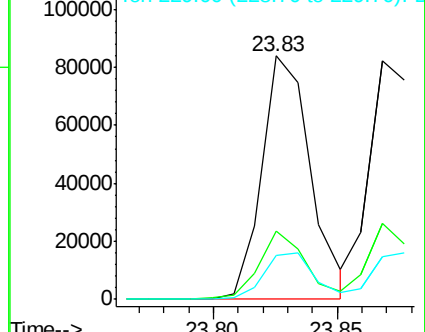
229 18.2 14.8 22.2



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



#24

3,3'-Dichlorobenzidine

Concen: 0.93 ng

RT: 23.82 min Scan# 3869

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

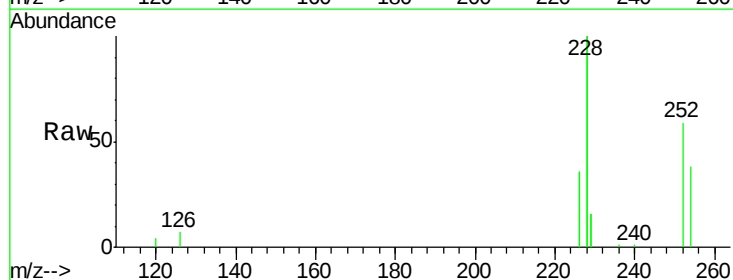
Tgt Ion:252 Resp: 10147

Ion Ratio Lower Upper

252 100

254 64.2 54.6 82.0

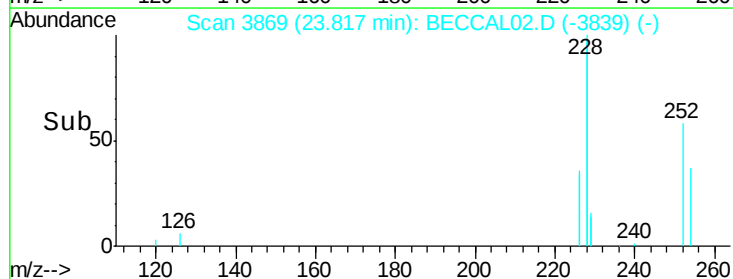
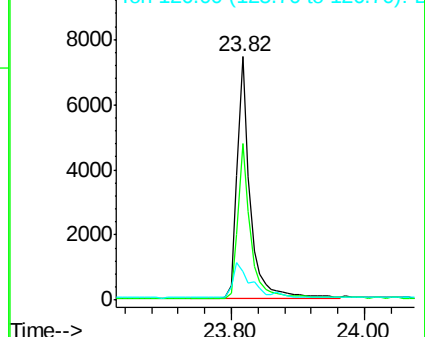
126 11.5 8.0 12.0

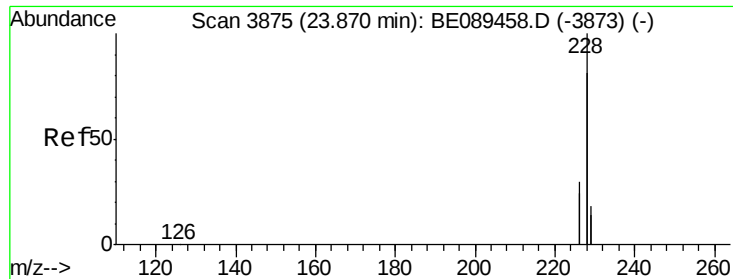


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.98 ng

RT: 23.87 min Scan# 3875

Delta R.T. -0.00 min

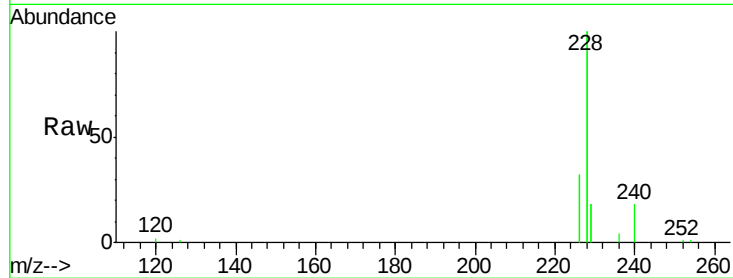
Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampled :



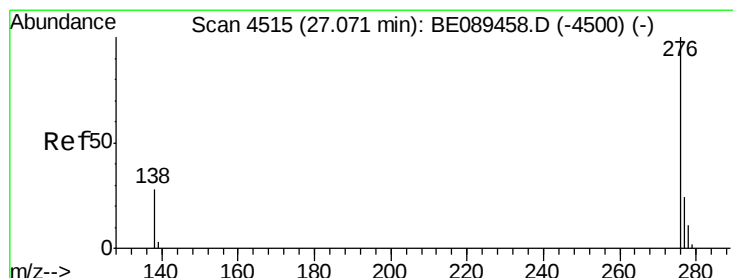
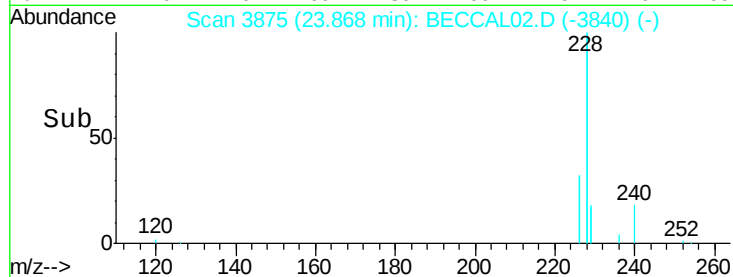
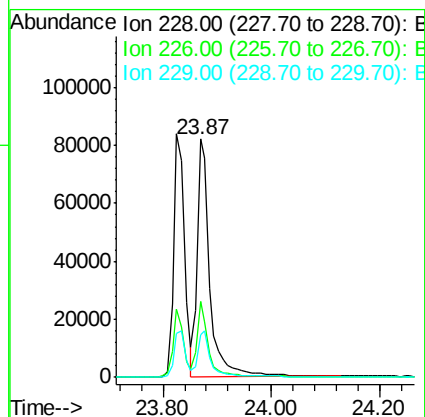
Tgt Ion:228 Resp: 133682

Ion Ratio Lower Upper

228 100

226 32.2 23.8 35.8

229 17.7 14.3 21.5



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.88 ng

RT: 27.07 min Scan# 4515

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

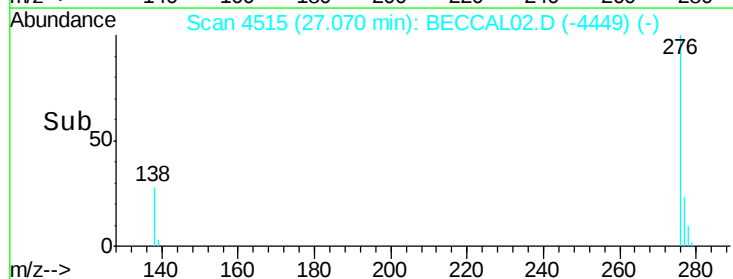
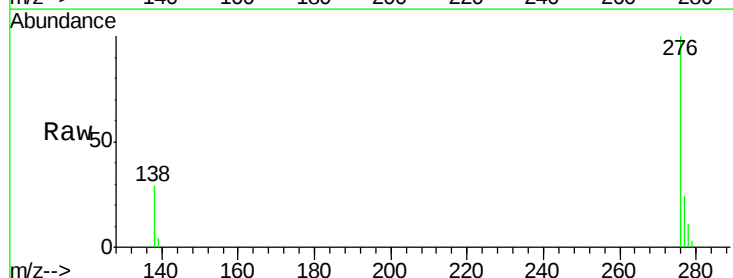
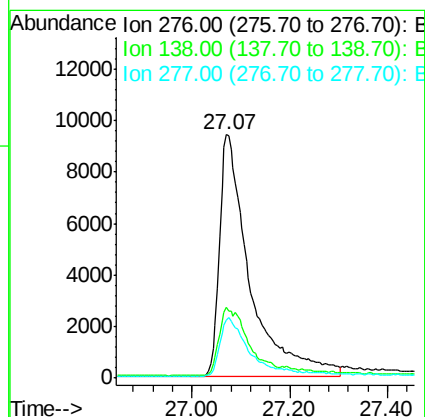
Tgt Ion:276 Resp: 40818

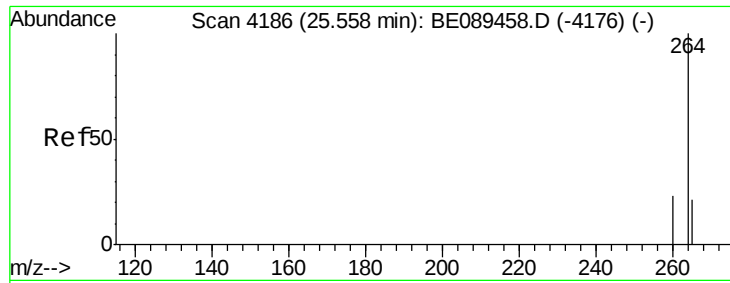
Ion Ratio Lower Upper

276 100

138 27.2 23.3 34.9

277 24.8 19.0 28.4

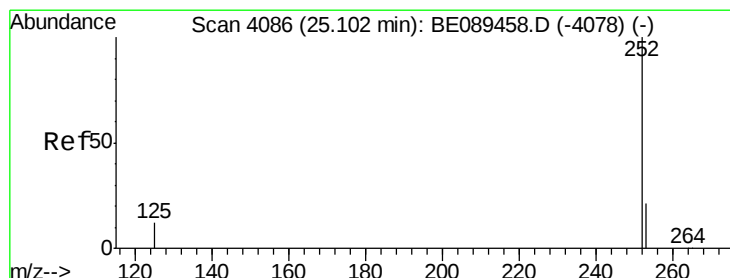
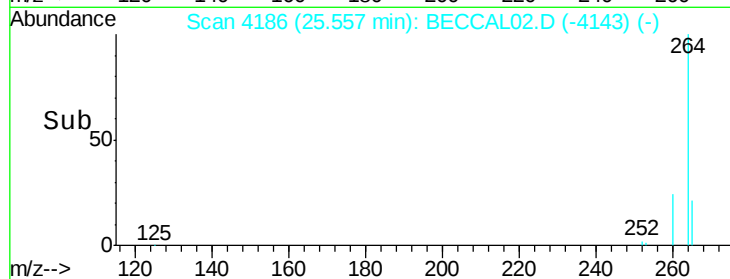
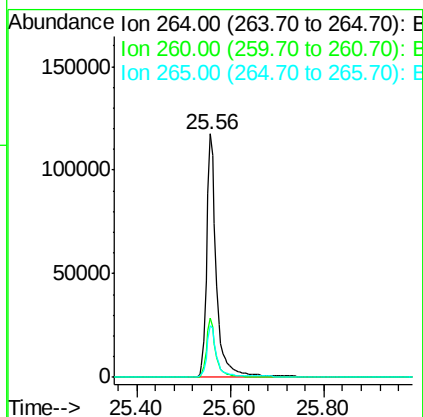
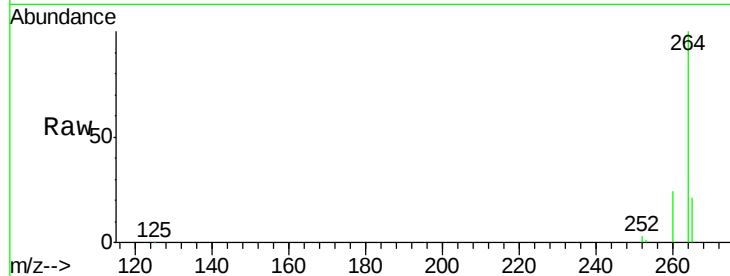




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.56 min Scan# 4186
 Delta R.T. -0.00 min
 Lab File: BECCAL02.D
 Acq: 3 Feb 2015 2:22

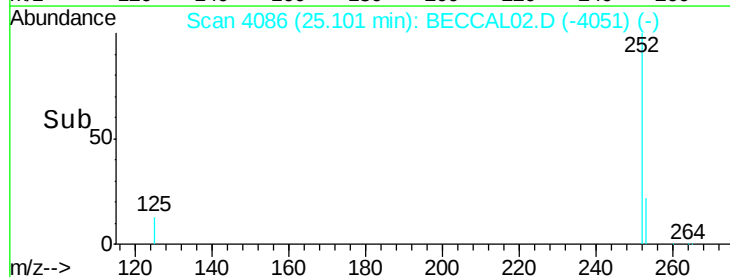
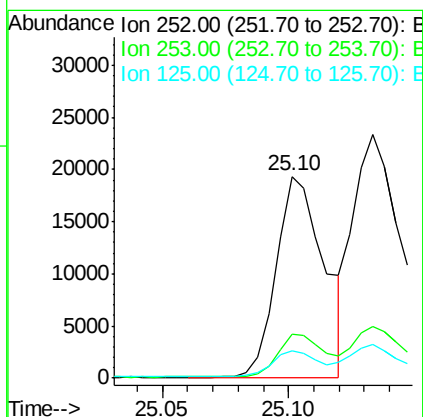
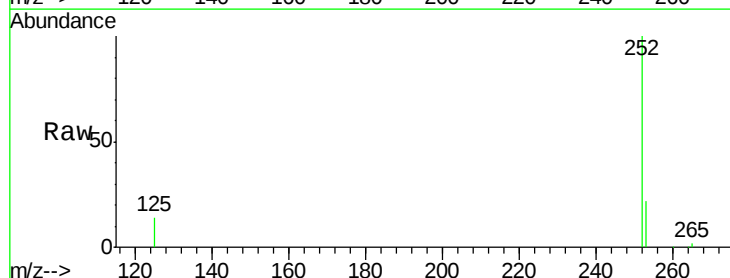
Instrument :
 BNA_E
 ClientSampleId :

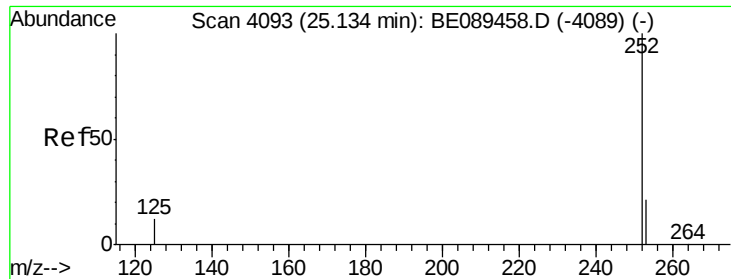
Tgt Ion: 264 Resp: 170131
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.7 28.1
 265 21.2 17.0 25.6



#28
 Benzo(b)fluoranthene
 Concen: 0.97 ng
 RT: 25.10 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: BECCAL02.D
 Acq: 3 Feb 2015 2:22

Tgt Ion: 252 Resp: 25253
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.4 26.0
 125 13.7 10.4 15.6





#29

Benzo(k)fluoranthene

Concen: 1.02 ng

RT: 25.13 min Scan# 4093

Delta R.T. -0.00 min

Lab File: BECCAL02.D

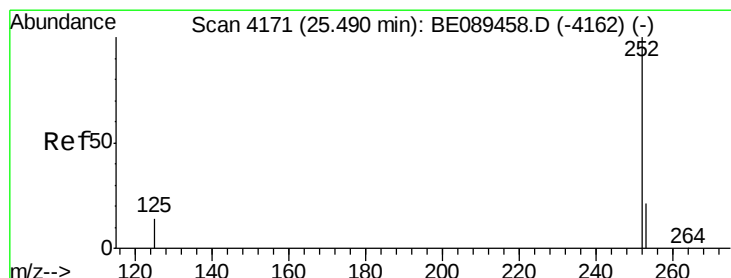
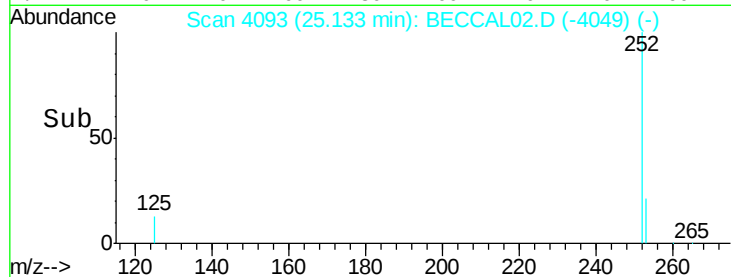
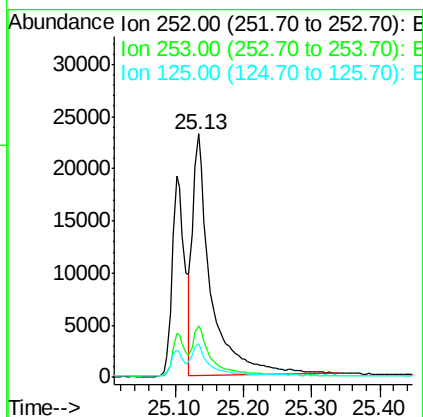
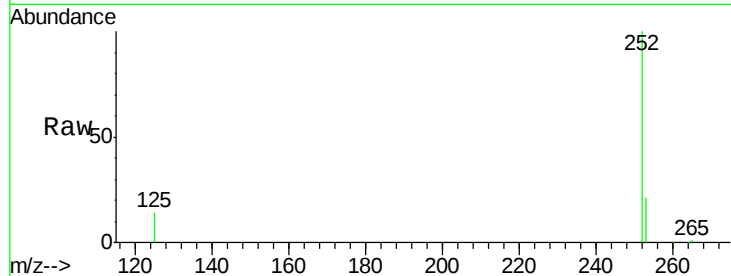
Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :

Tgt Ion:	252	Resp:	43251
Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	13.7	10.3	15.5



#30

Benzo(a)pyrene

Concen: 0.94 ng

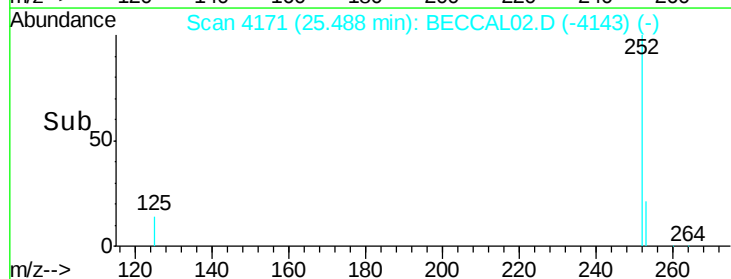
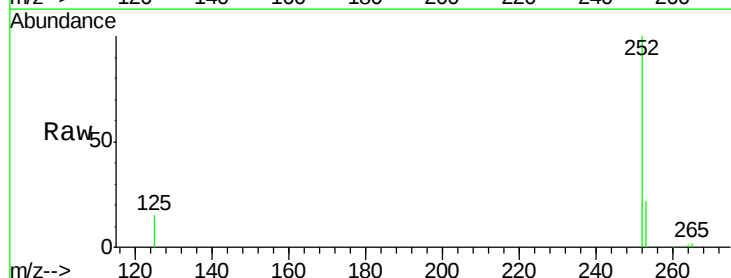
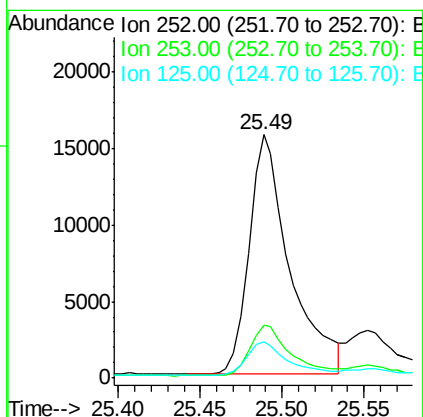
RT: 25.49 min Scan# 4171

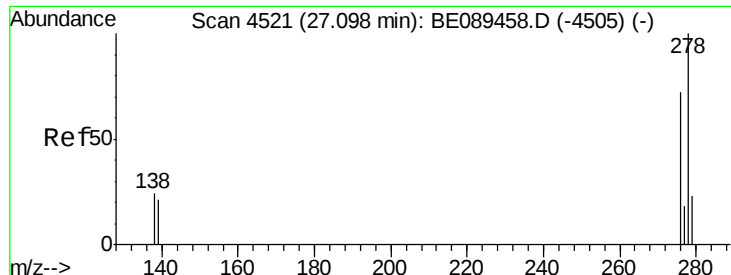
Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Tgt Ion:	252	Resp:	27153
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	14.8	11.8	17.8





#31

Dibenzo(a,h)anthracene

Concen: 0.86 ng

RT: 27.10 min Scan# 4521

Delta R.T. 0.00 min

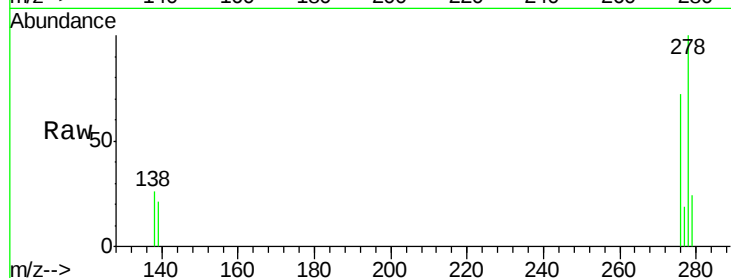
Lab File: BECCAL02.D

Acq: 3 Feb 2015 2:22

Instrument :

BNA_E

ClientSampleId :



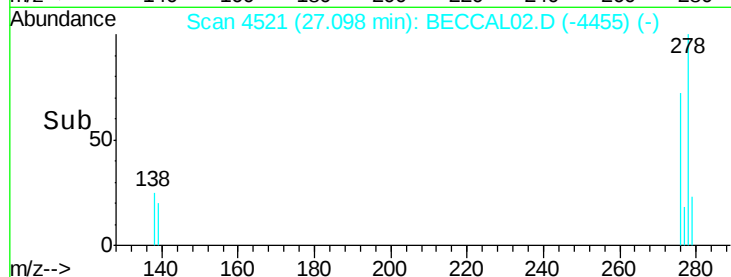
Tgt Ion: 278 Resp: 32021

Ion Ratio Lower Upper

278 100

139 21.3 17.1 25.7

279 23.9 18.8 28.2



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

