

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020315\
 Data File : BECCAL02.D
 Acq On : 4 Feb 2015 4:03
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 04 06:00:18 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE020315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 04 00:53:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.53	152	52580	5.00	ng	0.00
7) Naphthalene-d8	12.43	136	212394	5.00	ng	0.00
13) Acenaphthene-d10	16.61	164	92422	5.00	ng	0.00
17) Phenanthrene-d10	19.93	188	175008	5.00	ng	0.00
20) Chrysene-d12	23.78	240	165659	5.00	ng	0.00
27) Perylene-d12	25.49	264	151219	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.72	112	16337	0.96	ng	0.00
4) Phenol-d6	8.85	99	20543	0.96	ng	0.00
8) Nitrobenzene-d5	10.79	82	15456	0.96	ng	0.00
14) 2,4,6-Tribromophenol	18.52	330	2712	0.84	ng	0.00
15) 2-Fluorobiphenyl	15.06	172	24209	0.99	ng	0.00
22) Terphenyl-d14	22.43	244	24396	1.04	ng	0.00

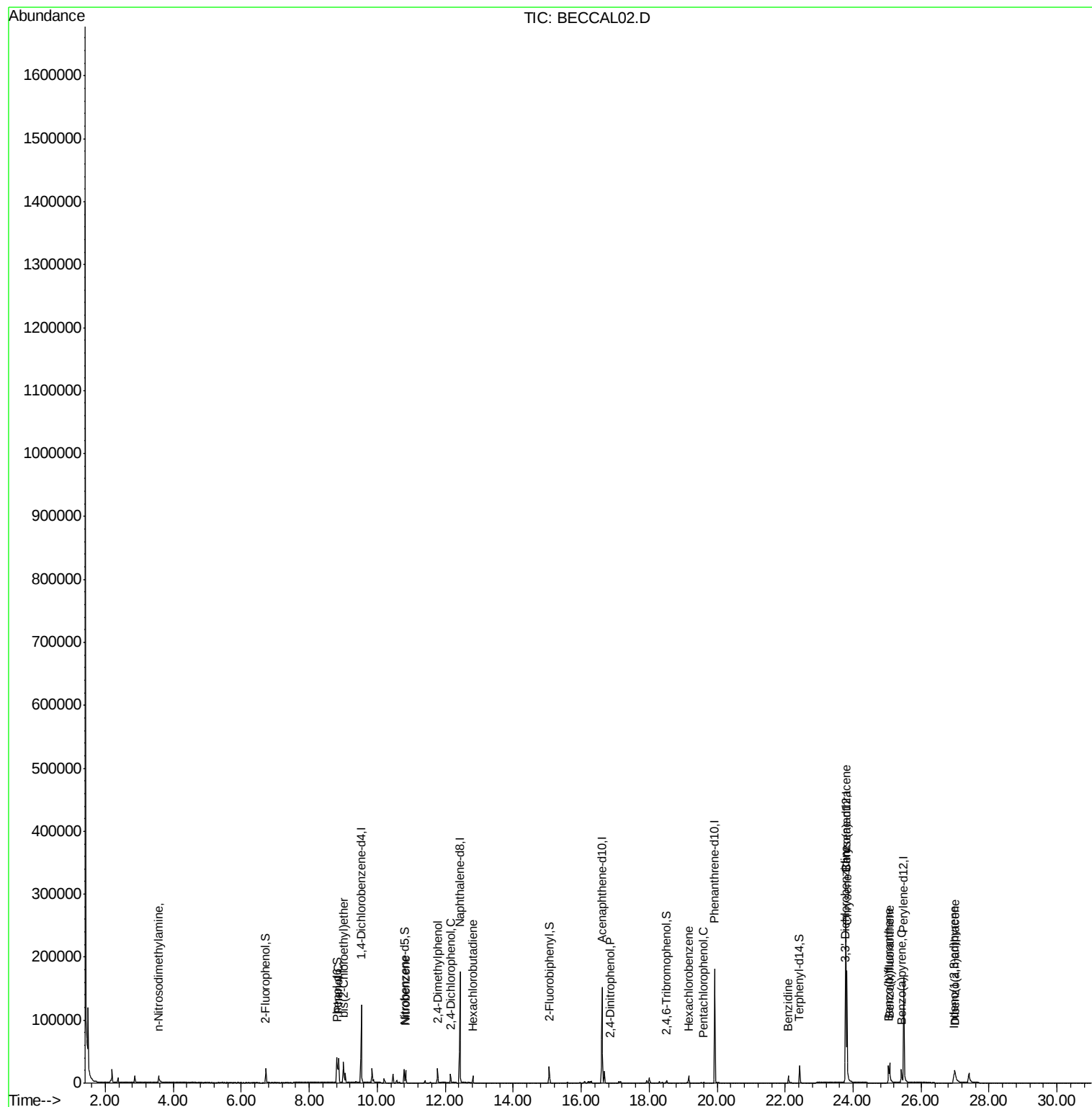
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.56	42	9452	0.96	ng	# 64
5) Phenol	8.87	94	20371	0.87	ng	# 64
6) bis(2-Chloroethyl)ether	9.01	93	16345	0.97	ng	# 99
9) Nitrobenzene	10.83	77	17981	0.98	ng	100
10) 2,4-Dimethylphenol	11.78	122	12703	0.96	ng	92
11) 2,4-Dichlorophenol	12.16	162	9349	0.95	ng	87
12) Hexachlorobutadiene	12.81	225	6452	0.98	ng	99
16) 2,4-Dinitrophenol	16.85	184	93	0.56	ng	94
18) Hexachlorobenzene	19.17	284	9056	1.00	ng	96
19) Pentachlorophenol	19.60	266	591	0.66	ng	97
21) Benzidine	22.09	184	13114	1.67	ng	99
23) Benzo(a)anthracene	23.78	228	146602	1.00	ng	99
24) 3,3'-Dichlorobenzidine	23.76	252	11394	0.93	ng	# 96
25) Chrysene	23.82	228	151448	0.99	ng	100
26) Indeno(1,2,3-cd)pyrene	26.97	276	33346	0.89	ng	98
28) Benzo(b)fluoranthene	25.04	252	23500	0.84	ng	99
29) Benzo(k)fluoranthene	25.07	252	43691	1.11	ng	99
30) Benzo(a)pyrene	25.42	252	25452	0.91	ng	99
31) Dibenzo(a,h)anthracene	26.99	278	28594	0.93	ng	99

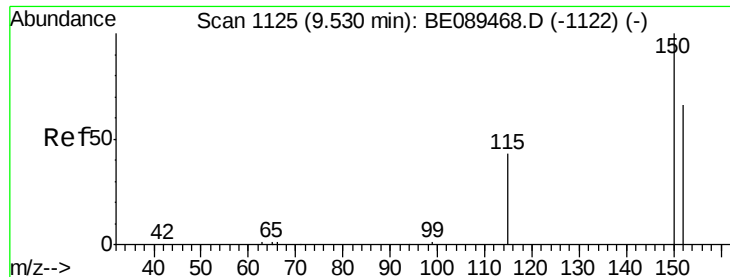
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.53 min Scan# 1125

Delta R.T. -0.00 min

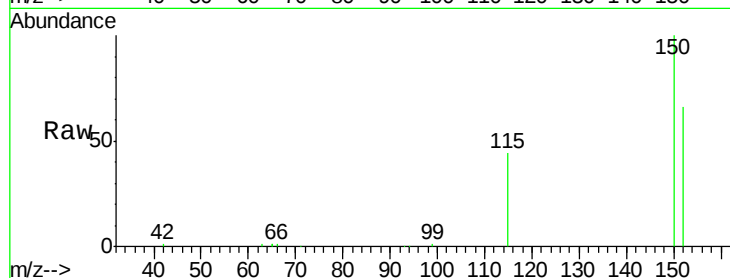
Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :



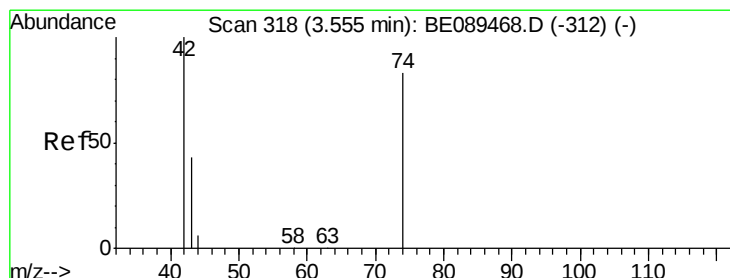
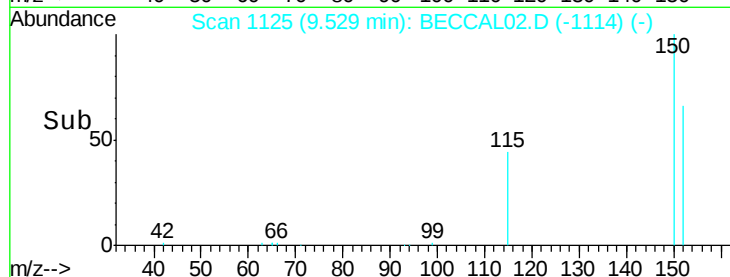
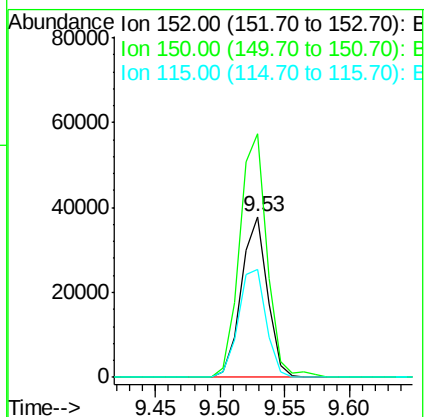
Tgt Ion: 152 Resp: 52580

Ion Ratio Lower Upper

152 100

150 151.2 122.1 183.1

115 67.1 53.2 79.8



#2

n-Nitrosodimethylamine

Concen: 0.96 ng

RT: 3.56 min Scan# 319

Delta R.T. 0.01 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

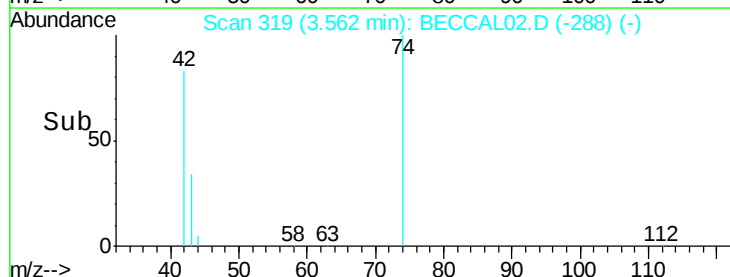
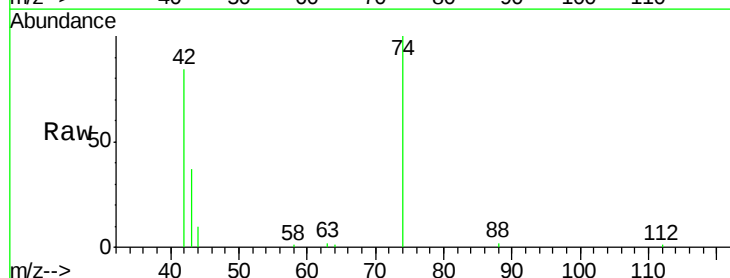
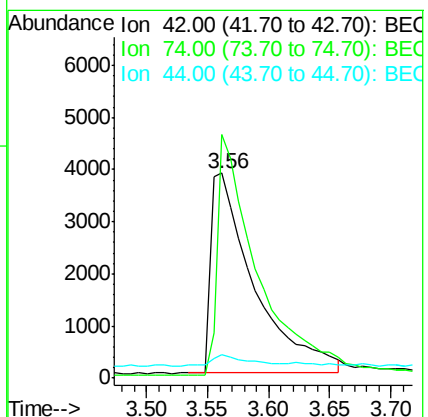
Tgt Ion: 42 Resp: 9452

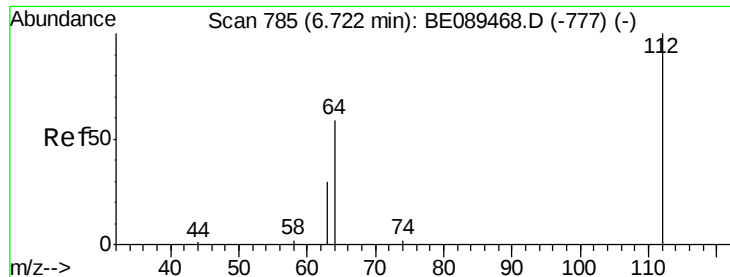
Ion Ratio Lower Upper

42 100

74 118.9 65.4 98.2#

44 11.6 11.7 17.5#

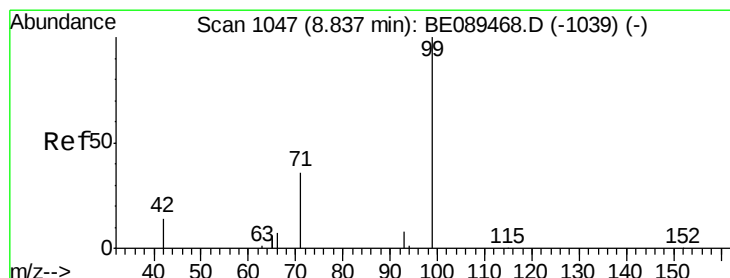
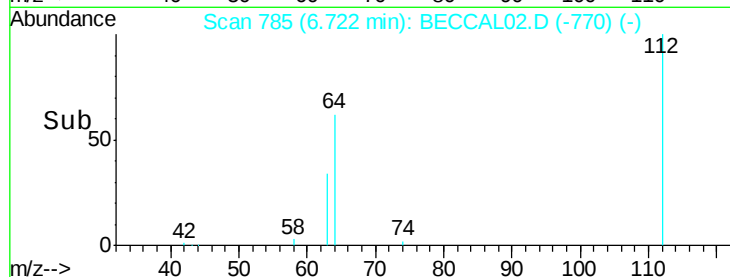
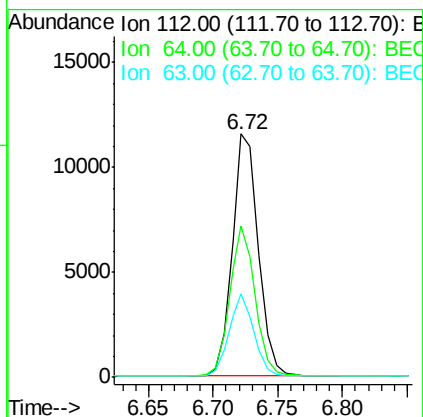
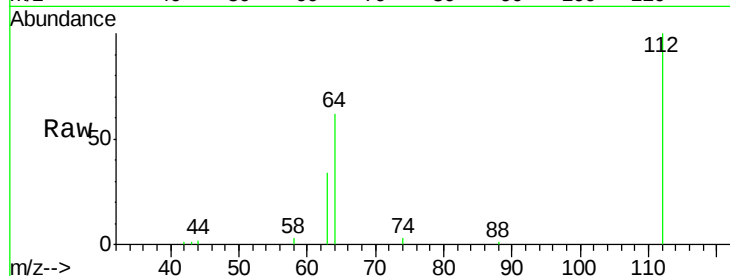




#3
 2-Fluorophenol
 Concen: 0.96 ng
 RT: 6.72 min Scan# 785
 Delta R.T. -0.00 min
 Lab File: BECCAL02.D
 Acq: 4 Feb 2015 4:03

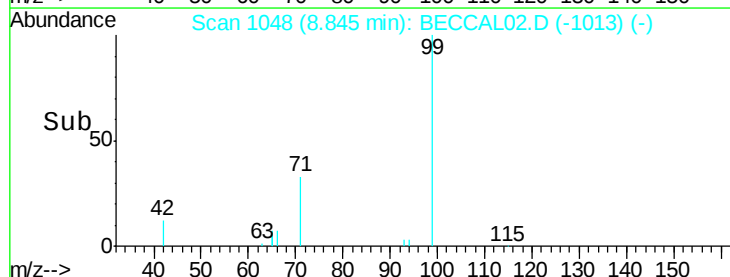
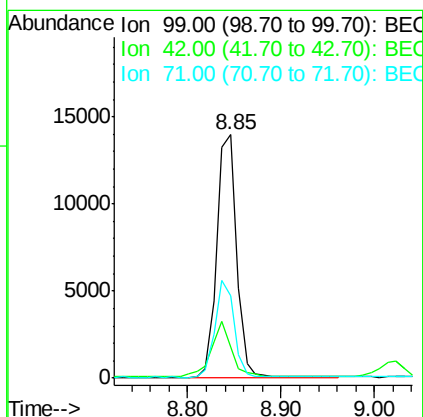
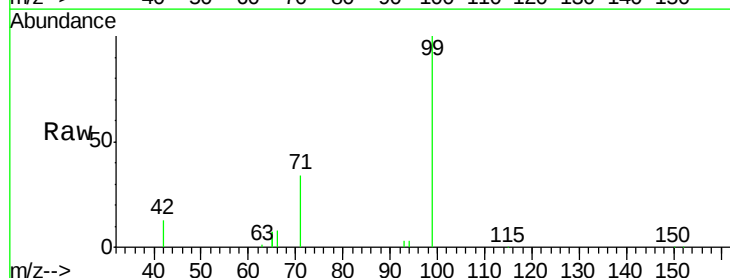
Instrument :
 BNA_E
 ClientSampleId :

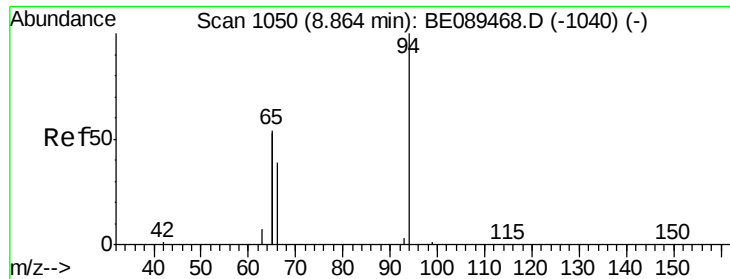
Tgt Ion: 112 Resp: 16337
 Ion Ratio Lower Upper
 112 100
 64 62.3 47.0 70.6
 63 34.1 24.2 36.2



#4
 Phenol-d6
 Concen: 0.96 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.01 min
 Lab File: BECCAL02.D
 Acq: 4 Feb 2015 4:03

Tgt Ion: 99 Resp: 20543
 Ion Ratio Lower Upper
 99 100
 42 12.8 11.8 17.6
 71 33.6 28.7 43.1





#5

Phenol

Concen: 0.87 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampled :

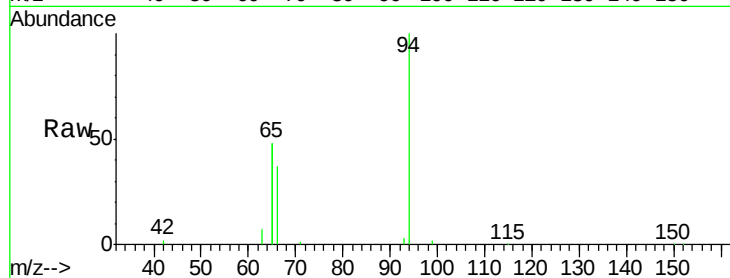
Tgt Ion: 94 Resp: 20371

Ion Ratio Lower Upper

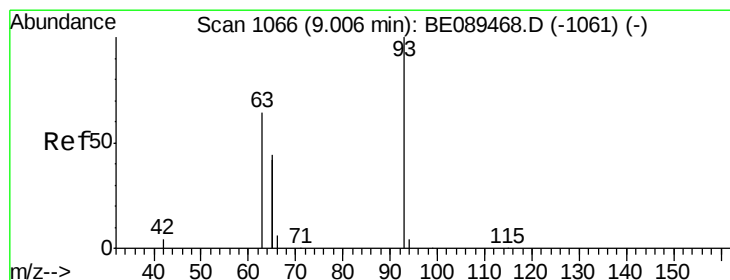
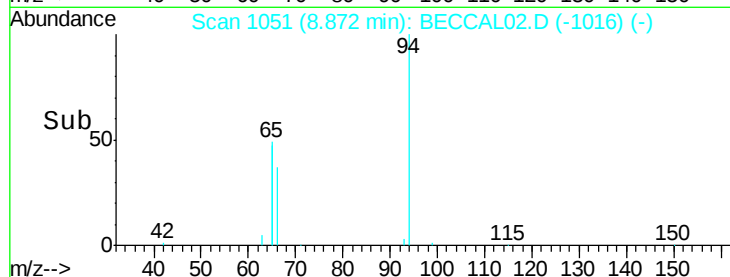
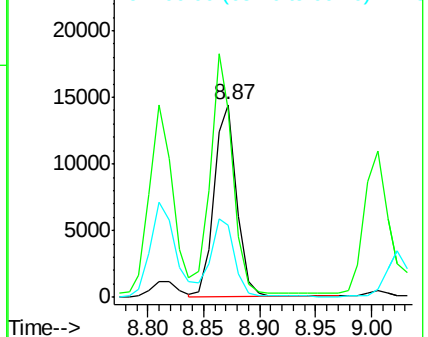
94 100

65 96.9 33.9 73.9#

66 37.4 19.1 59.1



Abundance Ion 94.00 (93.70 to 94.70): BEC
Ion 65.00 (64.70 to 65.70): BEC
Ion 66.00 (65.70 to 66.70): BEC



#6

bis(2-Chloroethyl)ether

Concen: 0.97 ng

RT: 9.01 min Scan# 1066

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

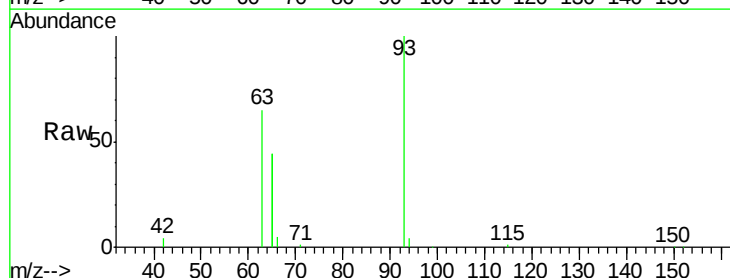
Tgt Ion: 93 Resp: 16345

Ion Ratio Lower Upper

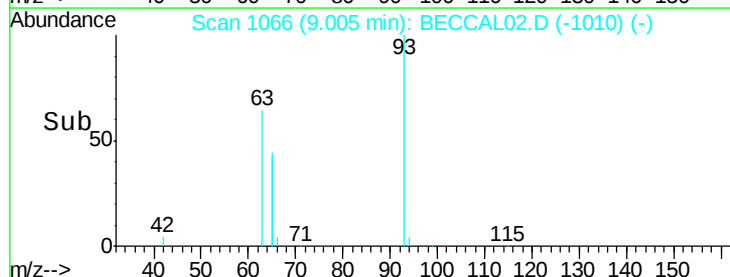
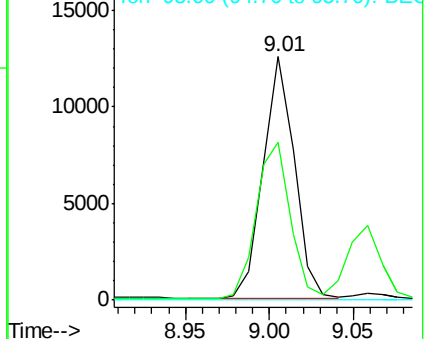
93 100

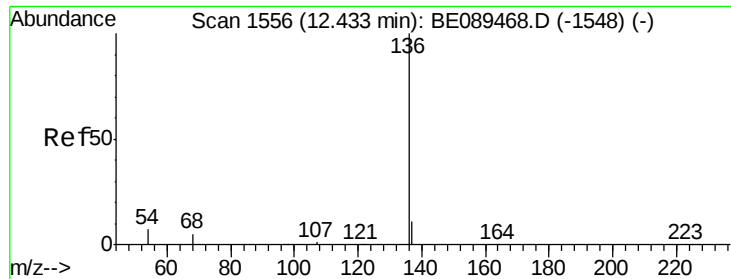
63 70.6 57.0 85.6

95 0.0 0.0 0.0



Abundance Ion 93.00 (92.70 to 93.70): BEC
Ion 63.00 (62.70 to 63.70): BEC
Ion 95.00 (94.70 to 95.70): BEC





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.43 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :

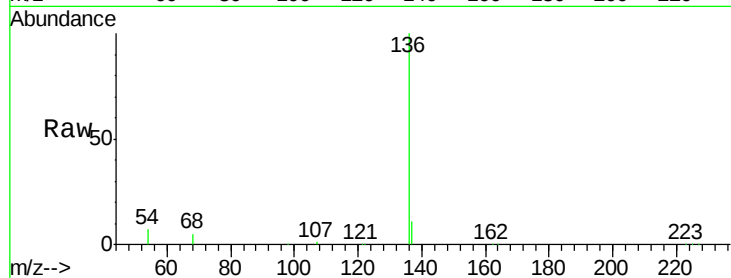
Tgt Ion: 136 Resp: 212394

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

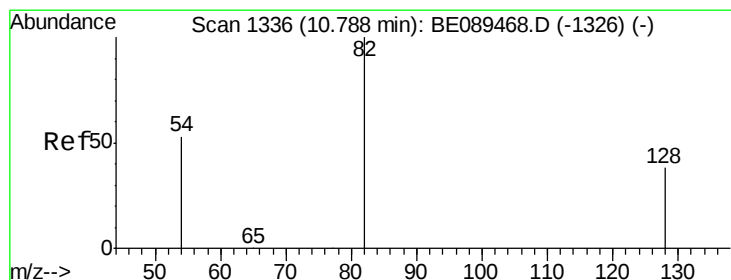
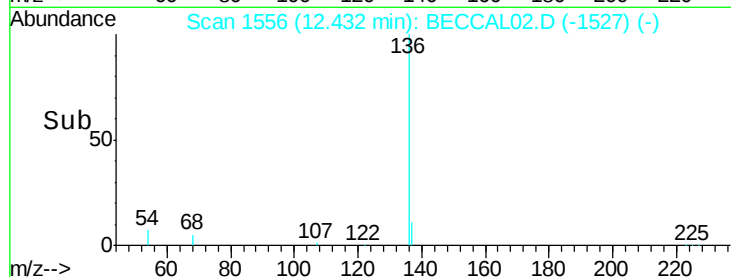
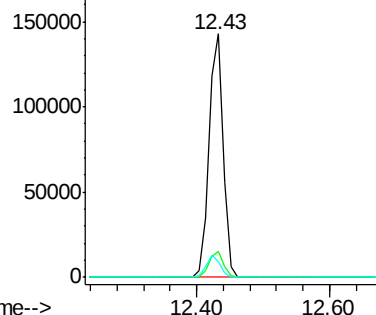
54 6.7 5.4 8.0



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



#8

Nitrobenzene-d5

Concen: 0.96 ng

RT: 10.79 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

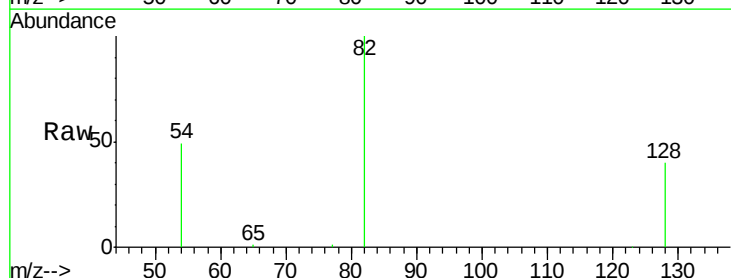
Tgt Ion: 82 Resp: 15456

Ion Ratio Lower Upper

82 100

128 39.6 30.3 45.5

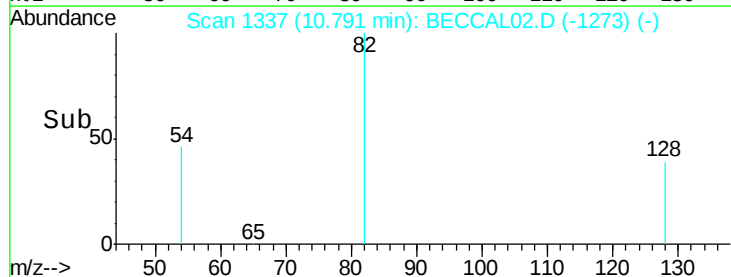
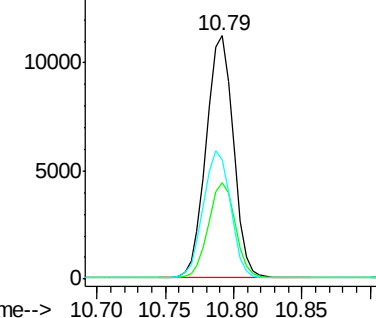
54 49.0 43.1 64.7

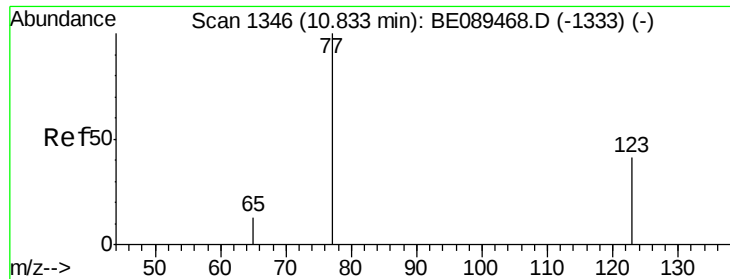


Abundance Ion 82.00 (81.70 to 82.70): BEC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BEC





#9

Nitrobenzene

Concen: 0.98 ng

RT: 10.83 min Scan# 1346

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :

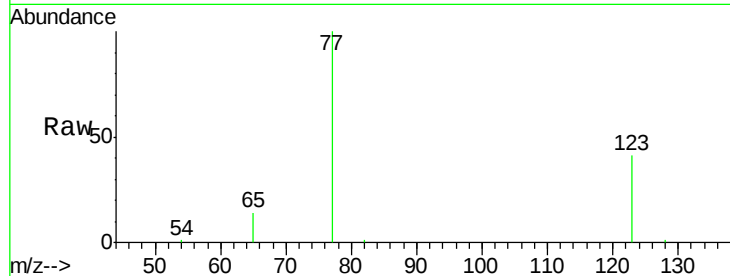
Tgt Ion: 77 Resp: 17981

Ion Ratio Lower Upper

77 100

123 41.8 33.4 50.0

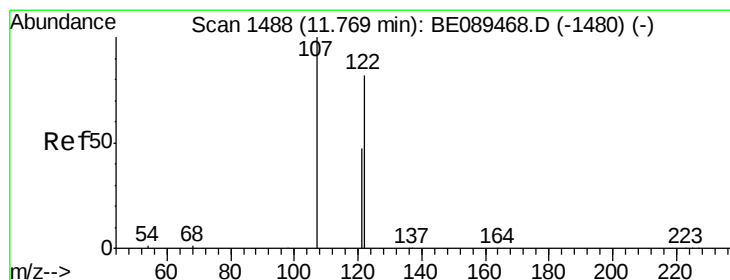
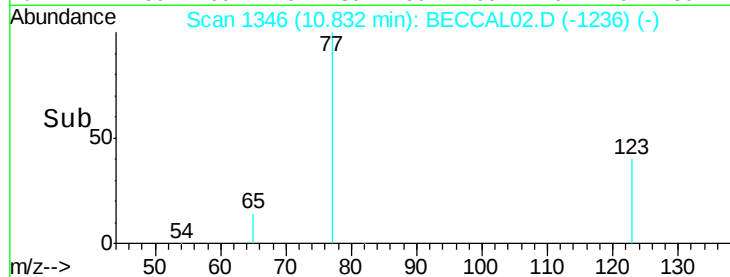
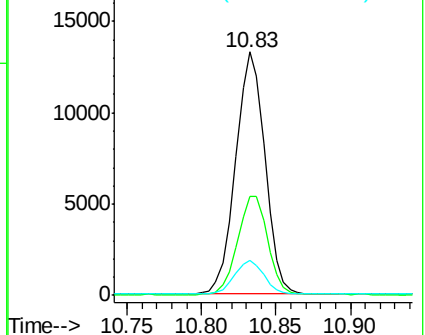
65 14.1 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BECCAL02.D (-1333) (-)

Ion 123.00 (122.70 to 123.70): BECCAL02.D (-1333) (-)

Ion 65.00 (64.70 to 65.70): BECCAL02.D (-1333) (-)



#10

2,4-Dimethylphenol

Concen: 0.96 ng

RT: 11.78 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

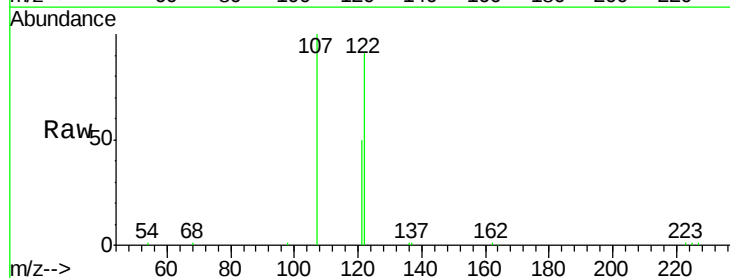
Tgt Ion: 122 Resp: 12703

Ion Ratio Lower Upper

122 100

107 110.2 97.3 145.9

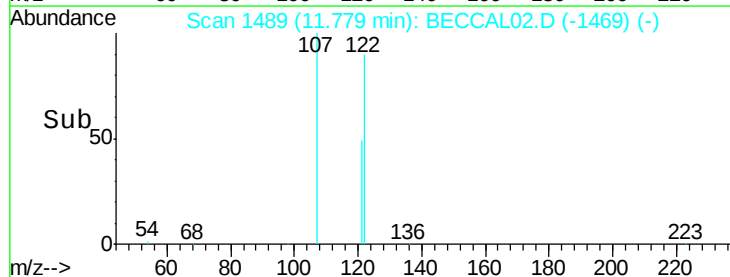
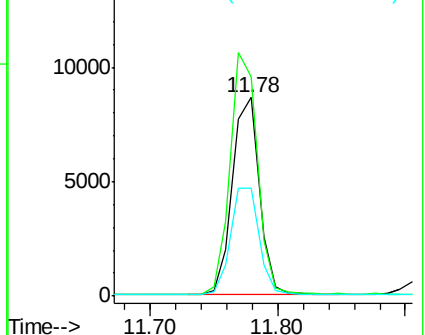
121 54.6 46.4 69.6

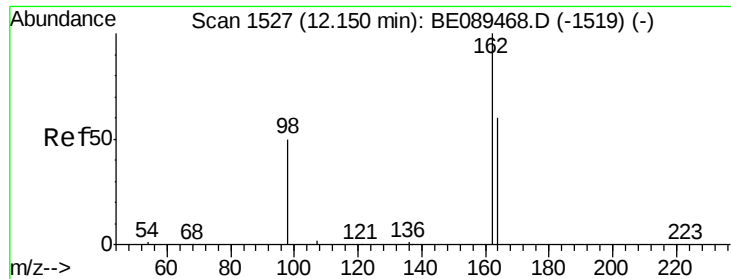


Abundance Ion 122.00 (121.70 to 122.70): BECCAL02.D (-1469) (-)

Ion 107.00 (106.70 to 107.70): BECCAL02.D (-1469) (-)

Ion 121.00 (120.70 to 121.70): BECCAL02.D (-1469) (-)

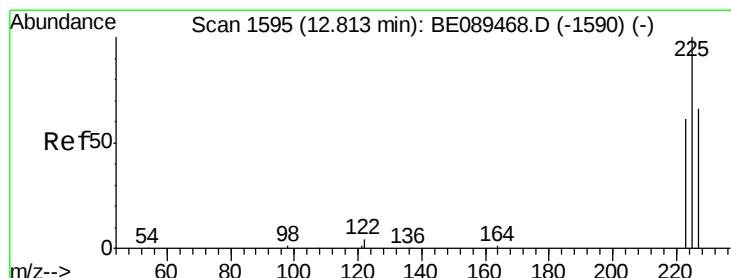
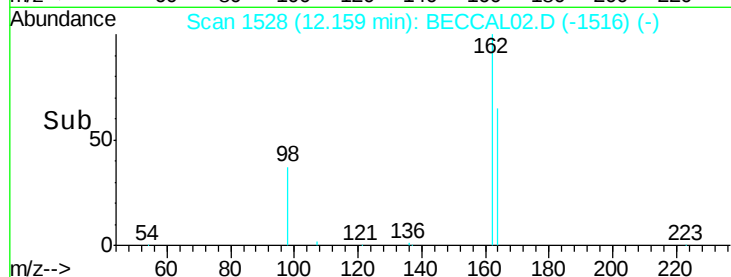
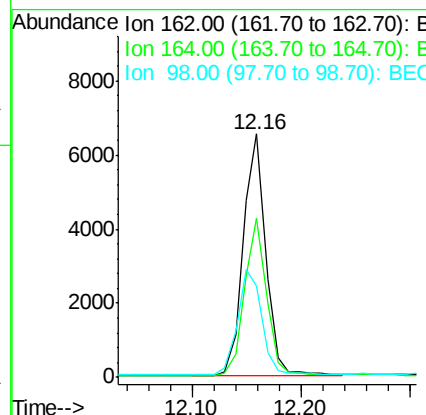
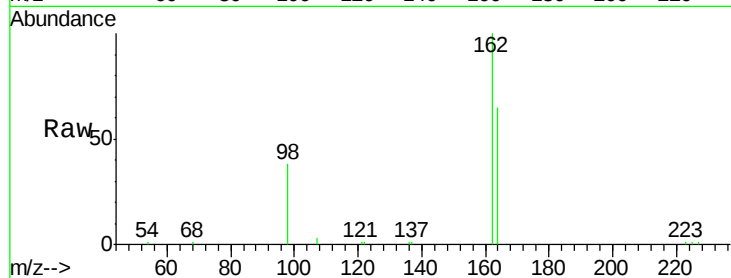




#11
 2,4-Dichlorophenol
 Concen: 0.95 ng
 RT: 12.16 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BECCAL02.D
 Acq: 4 Feb 2015 4:03

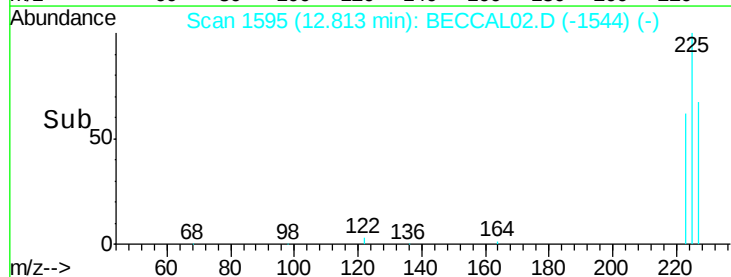
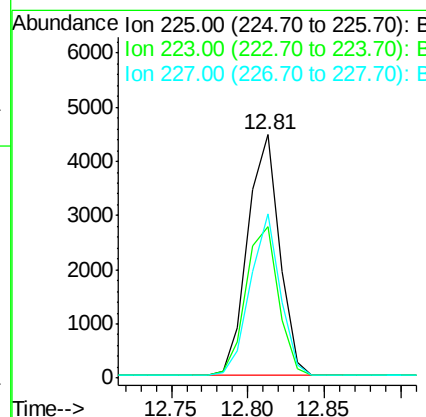
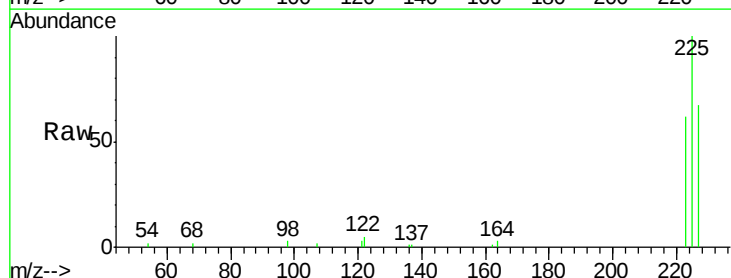
Instrument :
 BNA_E
 ClientSampled :

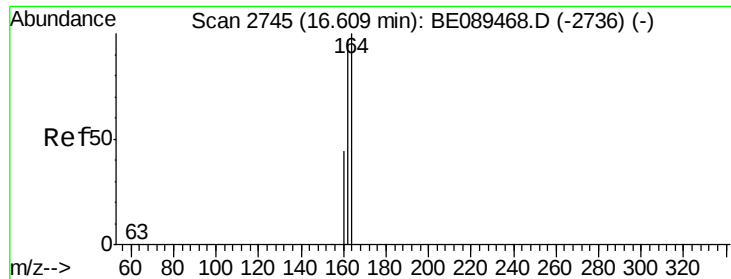
Tgt Ion:162 Resp: 9349
 Ion Ratio Lower Upper
 162 100
 164 65.4 39.9 79.9
 98 37.7 31.3 71.3



#12
 Hexachlorobutadiene
 Concen: 0.98 ng
 RT: 12.81 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BECCAL02.D
 Acq: 4 Feb 2015 4:03

Tgt Ion:225 Resp: 6452
 Ion Ratio Lower Upper
 225 100
 223 63.8 49.4 74.0
 227 63.7 51.2 76.8





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.61 min Scan# 2745

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :

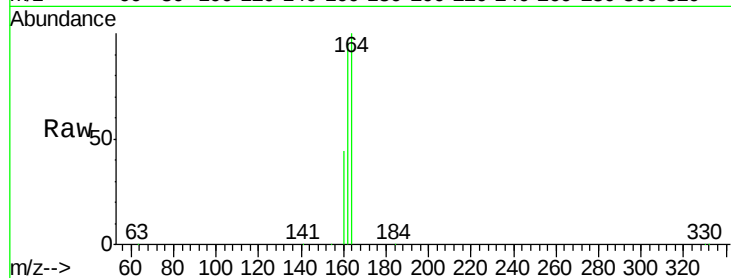
Tgt Ion:164 Resp: 92422

Ion Ratio Lower Upper

164 100

162 96.3 77.6 116.4

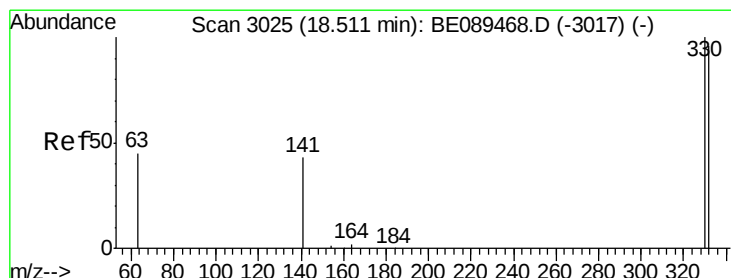
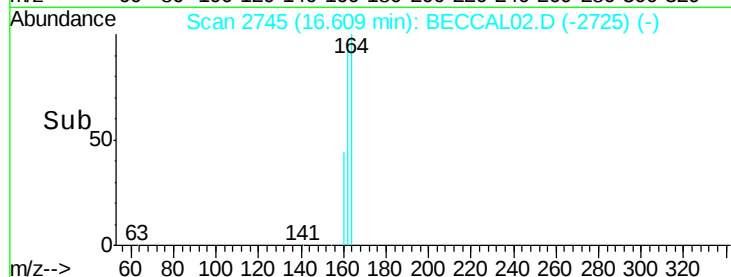
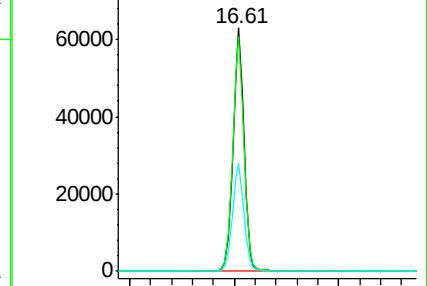
160 44.4 35.6 53.4



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: 0.84 ng

RT: 18.52 min Scan# 3026

Delta R.T. 0.01 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

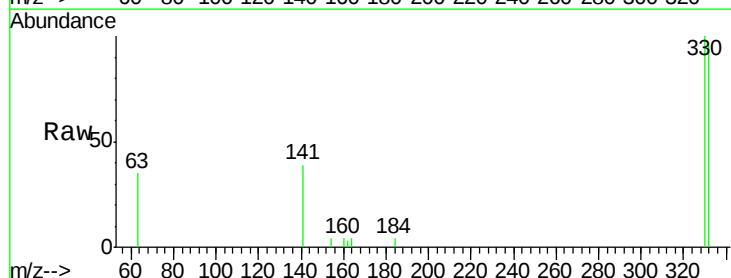
Tgt Ion:330 Resp: 2712

Ion Ratio Lower Upper

330 100

332 96.5 78.0 117.0

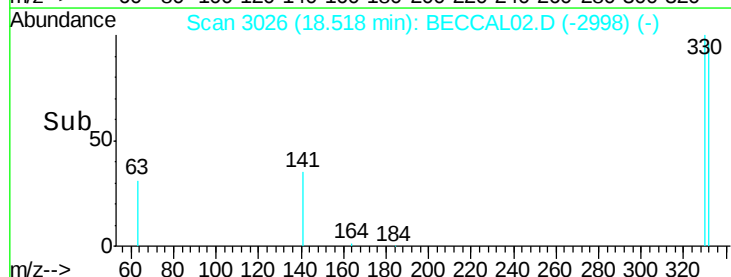
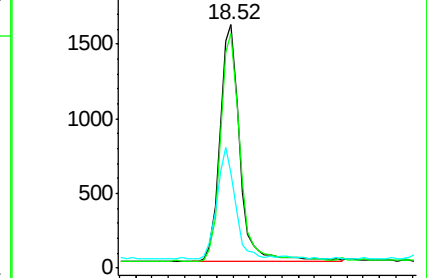
141 43.3 33.8 50.6

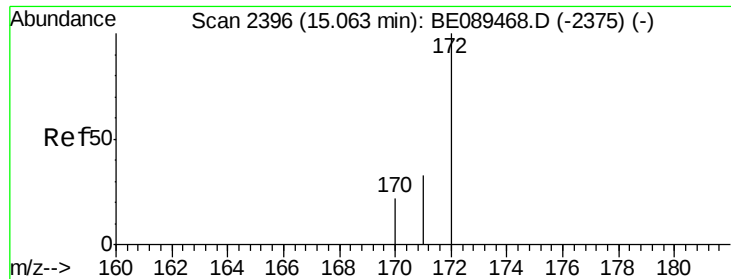


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

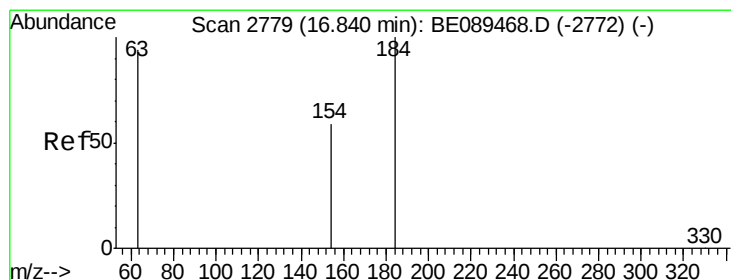
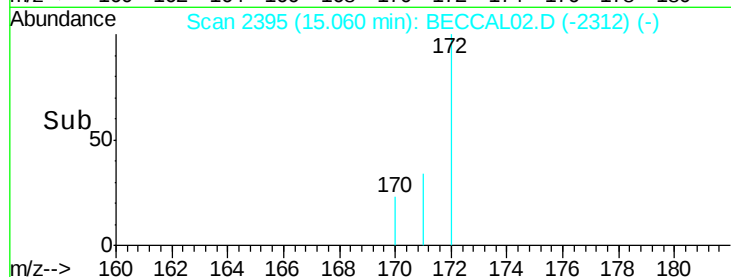
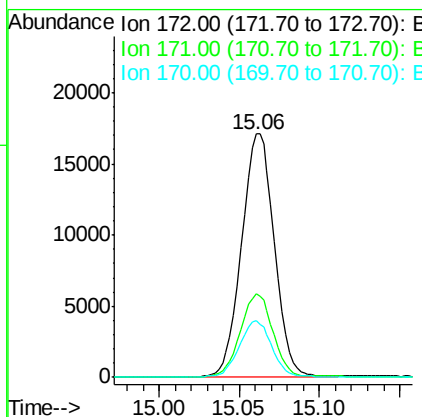
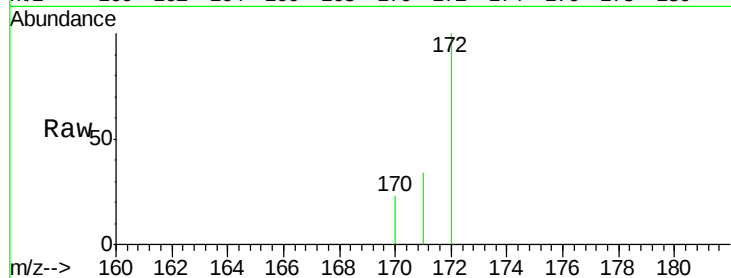




#15
2-Fluorobiphenyl
Concen: 0.99 ng
RT: 15.06 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BECCAL02.D
Acq: 4 Feb 2015 4:03

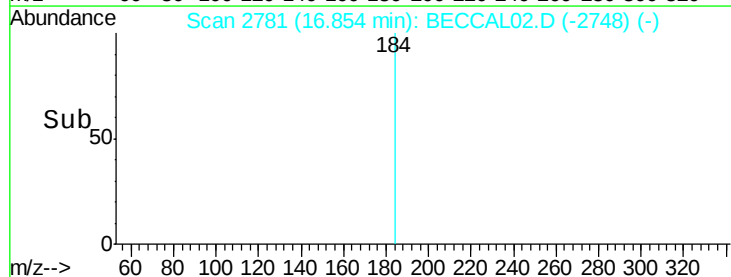
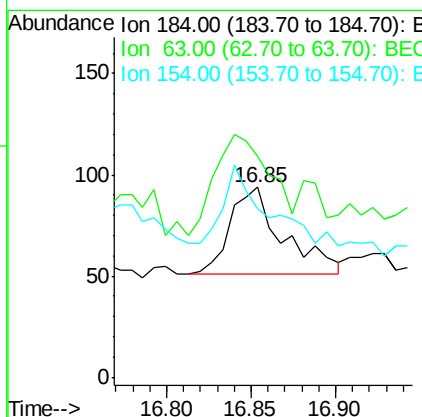
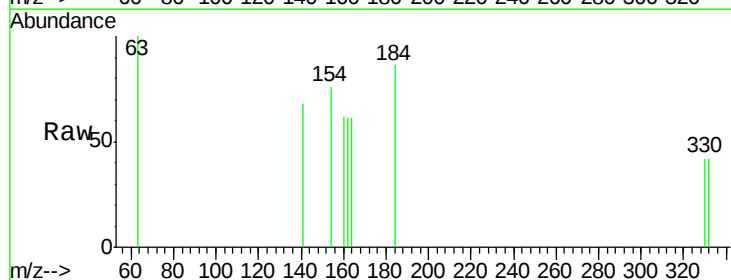
Instrument :
BNA_E
ClientSampleId :

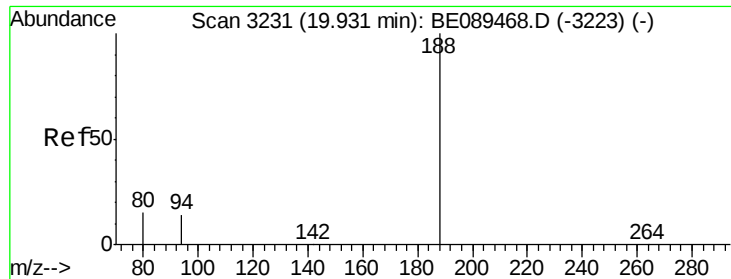
Tgt Ion:172 Resp: 24209
Ion Ratio Lower Upper
172 100
171 34.3 26.8 40.2
170 23.3 17.7 26.5



#16
2,4-Dinitrophenol
Concen: 0.56 ng
RT: 16.85 min Scan# 2781
Delta R.T. 0.01 min
Lab File: BECCAL02.D
Acq: 4 Feb 2015 4:03

Tgt Ion:184 Resp: 93
Ion Ratio Lower Upper
184 100
63 116.0 92.1 138.1
154 88.3 61.4 92.2

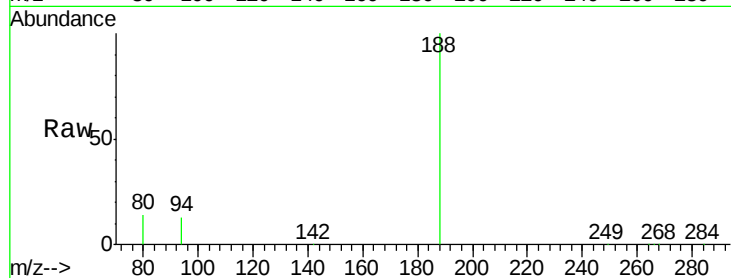




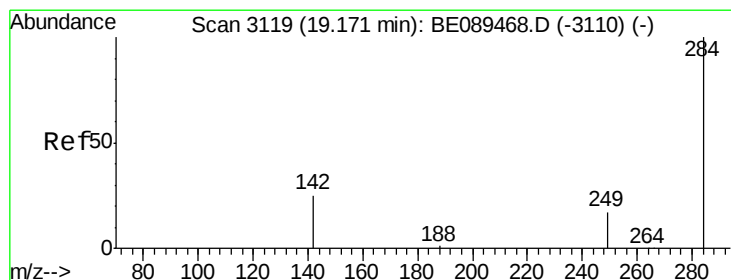
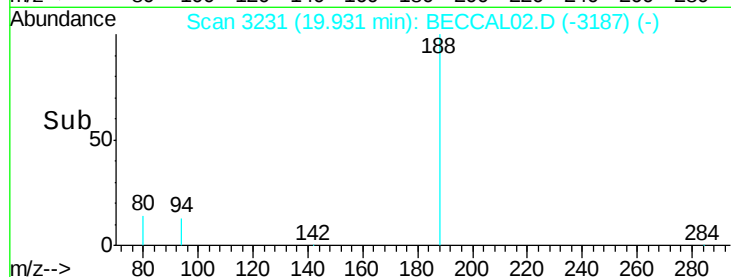
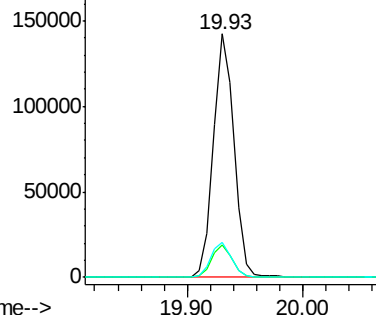
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.93 min Scan# 3231
Delta R.T. -0.00 min
Lab File: BECCAL02.D
Acq: 4 Feb 2015 4:03

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 175008
Ion Ratio Lower Upper
188 100
94 13.2 11.1 16.7
80 14.2 11.8 17.6

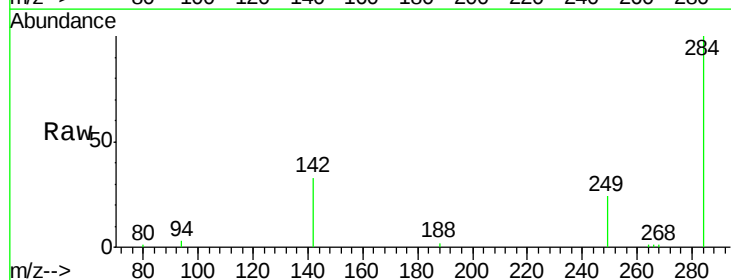


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE
Ion 80.00 (79.70 to 80.70): BE

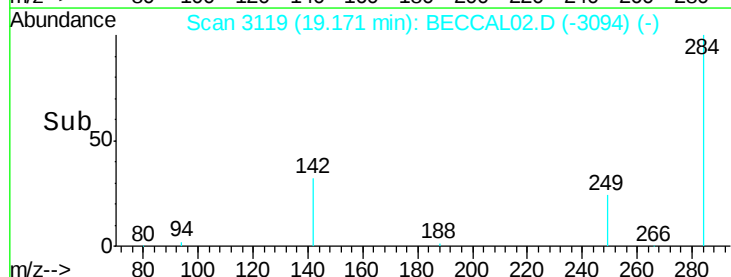
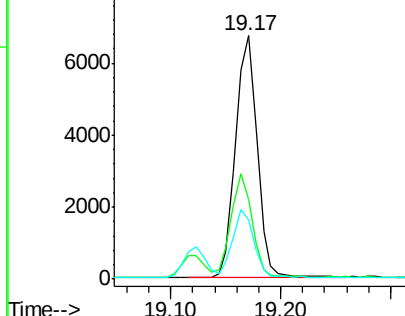


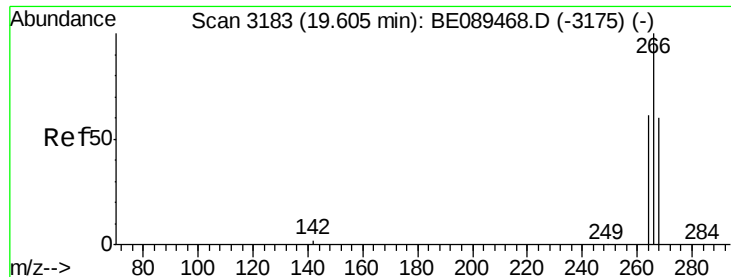
#18
Hexachlorobenzene
Concen: 1.00 ng
RT: 19.17 min Scan# 3119
Delta R.T. -0.00 min
Lab File: BECCAL02.D
Acq: 4 Feb 2015 4:03

Tgt Ion:284 Resp: 9056
Ion Ratio Lower Upper
284 100
142 32.7 24.4 36.6
249 24.4 18.2 27.2



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: 0.66 ng

RT: 19.60 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampled :

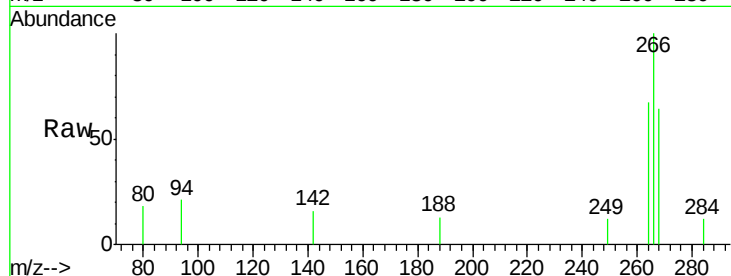
Tgt Ion:266 Resp: 591

Ion Ratio Lower Upper

266 100

268 64.3 50.0 75.0

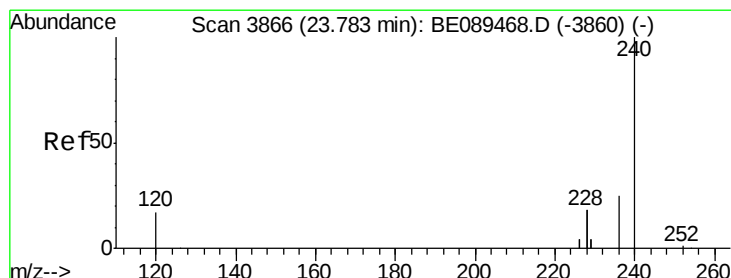
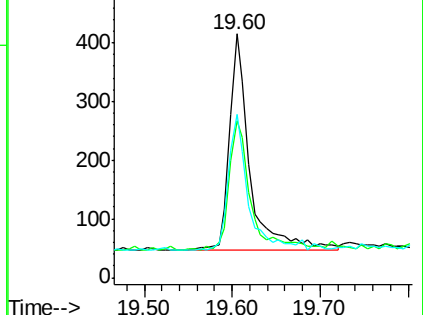
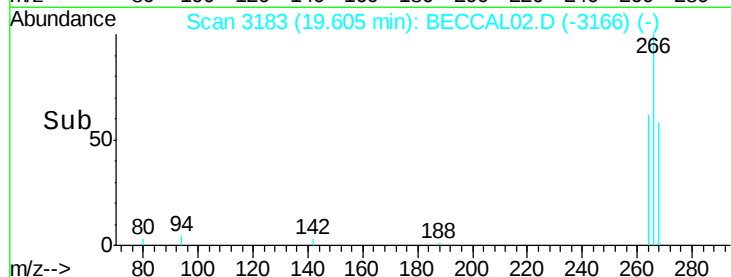
264 66.7 50.6 75.8



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: 23.78 min Scan# 3866

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

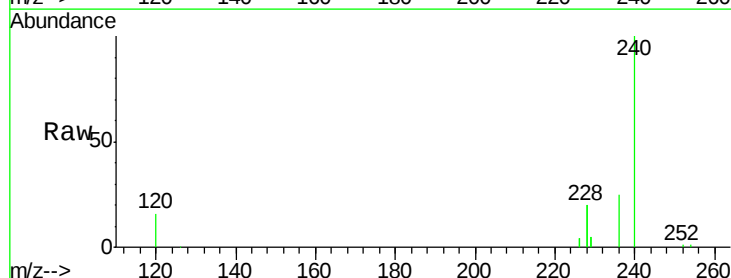
Tgt Ion:240 Resp: 165659

Ion Ratio Lower Upper

240 100

120 16.3 13.8 20.6

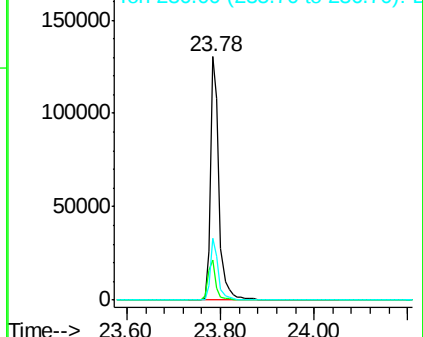
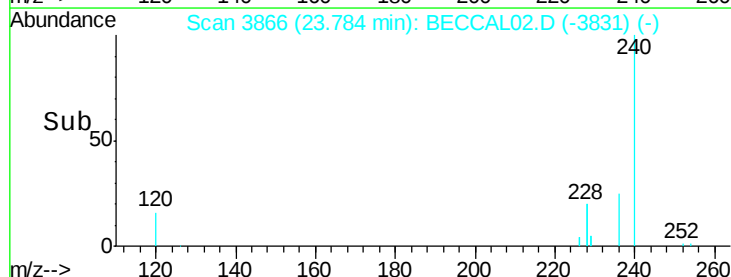
236 25.3 20.2 30.2

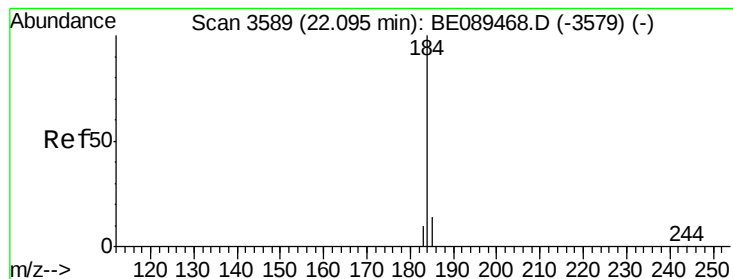


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#21

Benzidine

Concen: 1.67 ng

RT: 22.09 min Scan# 3589

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :

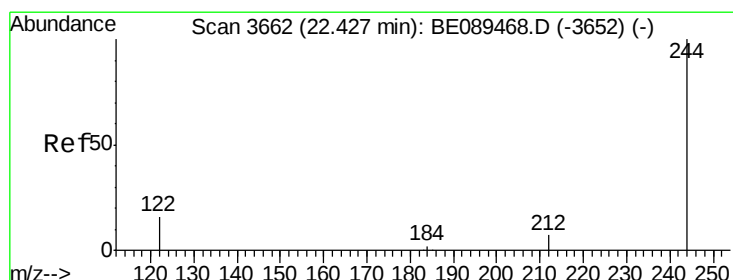
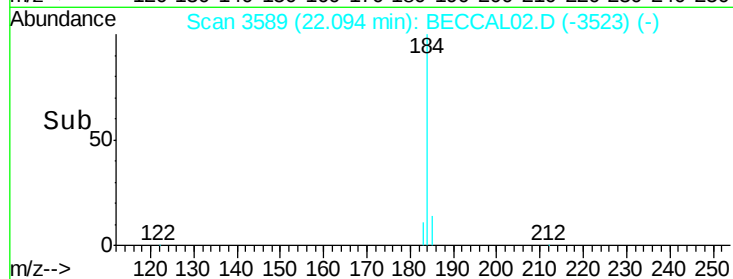
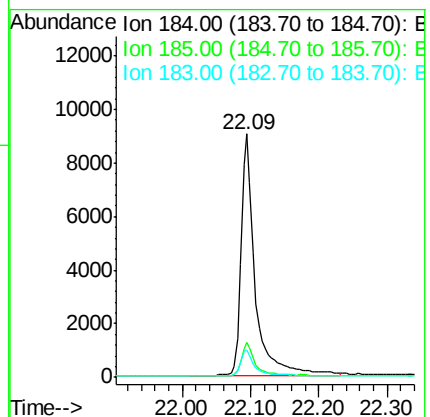
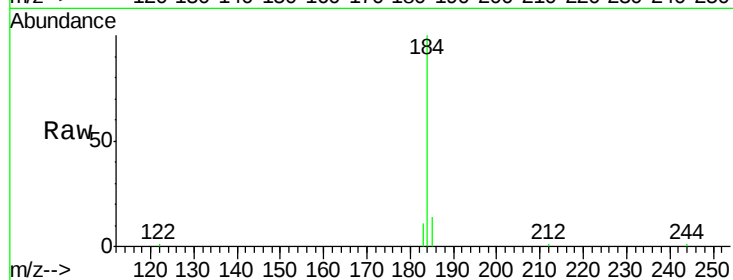
Tgt Ion:184 Resp: 13114

Ion Ratio Lower Upper

184 100

185 14.2 12.0 18.0

183 11.4 9.0 13.4



#22

Terphenyl-d14

Concen: 1.04 ng

RT: 22.43 min Scan# 3663

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

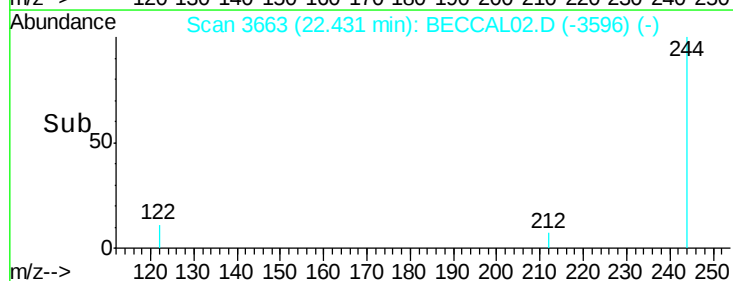
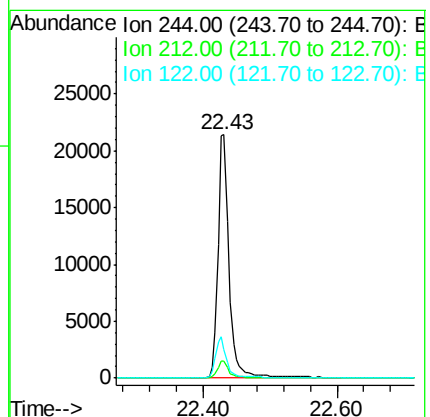
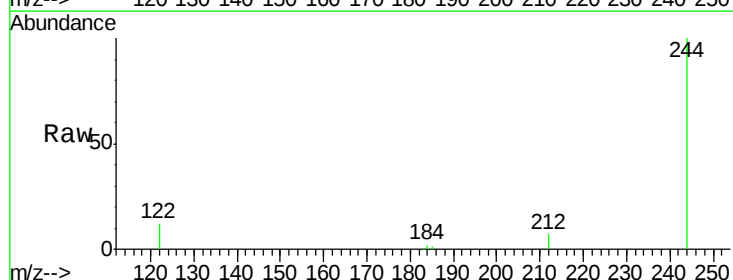
Tgt Ion:244 Resp: 24396

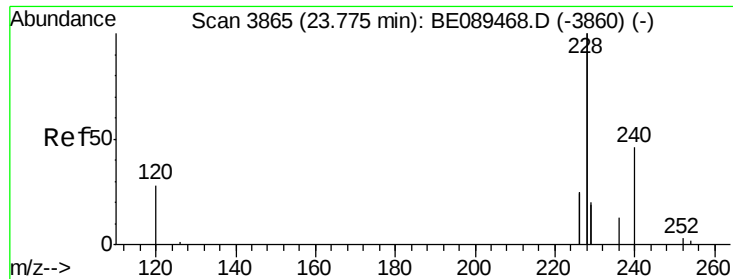
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 11.6 12.6 19.0#





#23

Benzo(a)anthracene

Concen: 1.00 ng

RT: 23.78 min Scan# 3865

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :

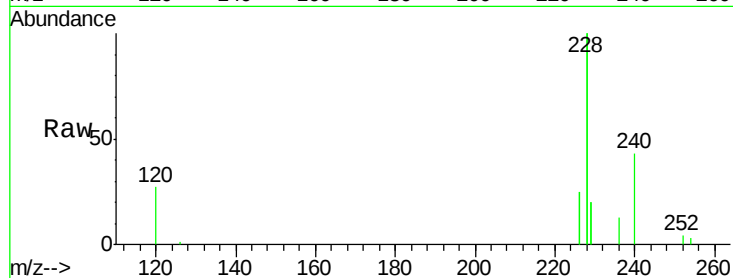
Tgt Ion:228 Resp: 146602

Ion Ratio Lower Upper

228 100

226 25.4 19.6 29.4

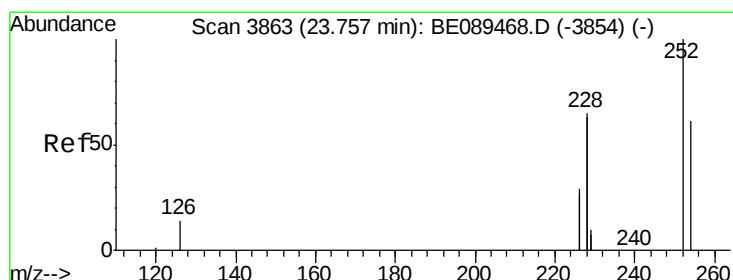
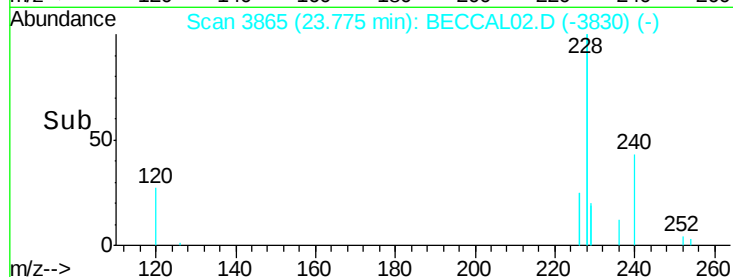
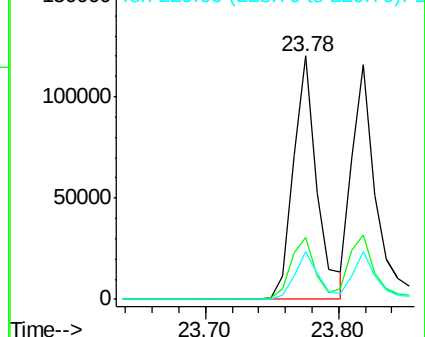
229 19.7 15.9 23.9



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: 23.76 min Scan# 3863

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

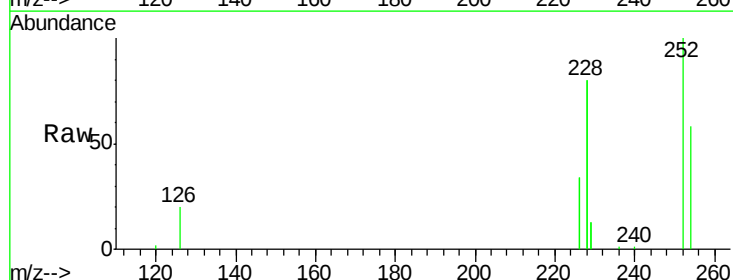
Tgt Ion:252 Resp: 11394

Ion Ratio Lower Upper

252 100

254 58.5 48.6 73.0

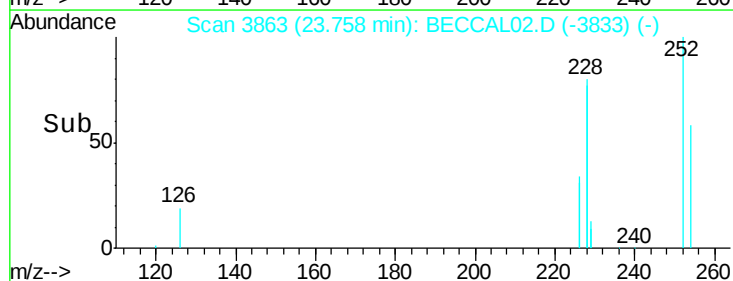
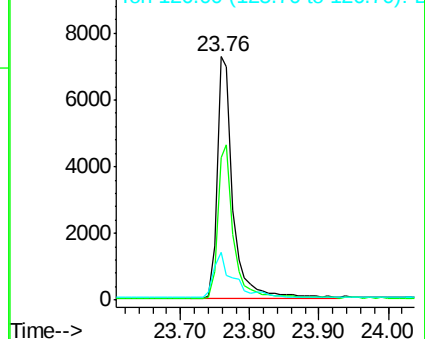
126 19.5 12.4 18.6#

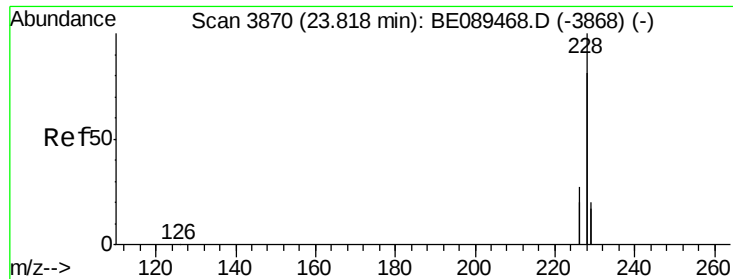


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.99 ng

RT: 23.82 min Scan# 3870

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :

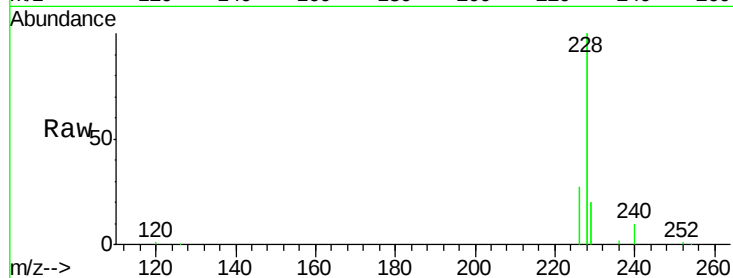
Tgt Ion:228 Resp: 151448

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

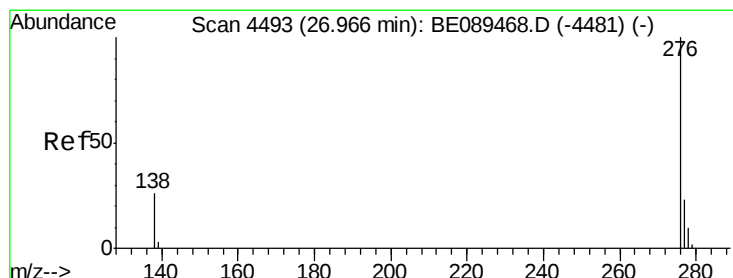
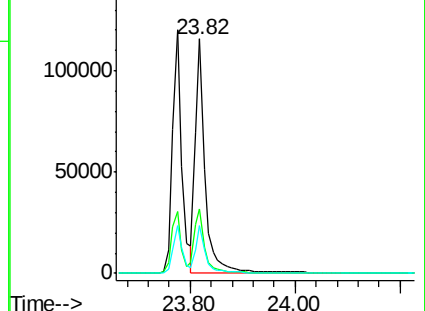
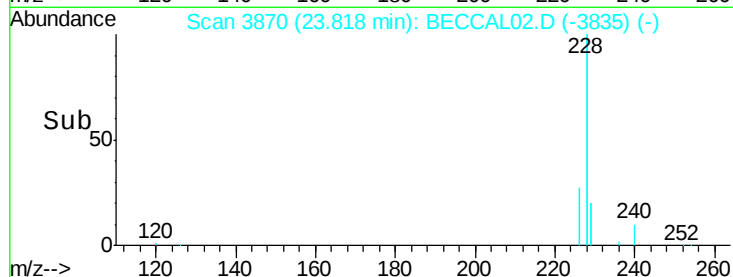
229 20.2 16.2 24.2



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.89 ng

RT: 26.97 min Scan# 4493

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

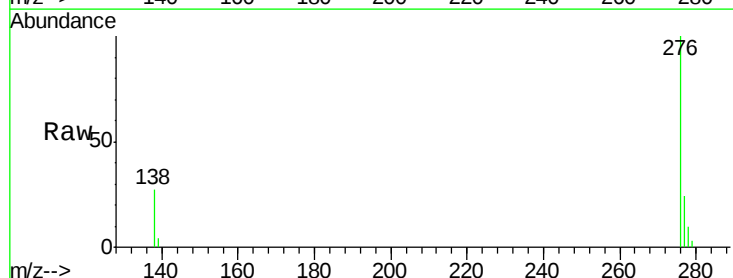
Tgt Ion:276 Resp: 33346

Ion Ratio Lower Upper

276 100

138 28.8 24.2 36.4

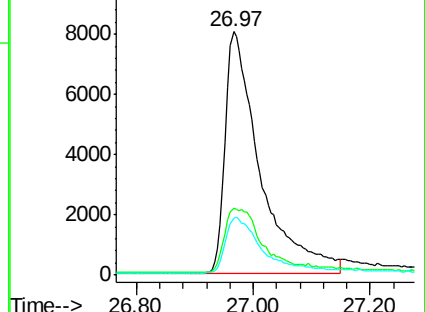
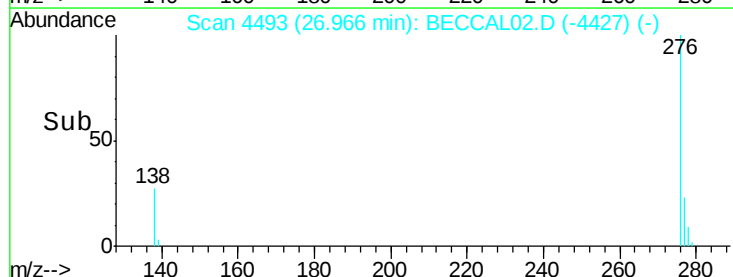
277 24.0 19.9 29.9

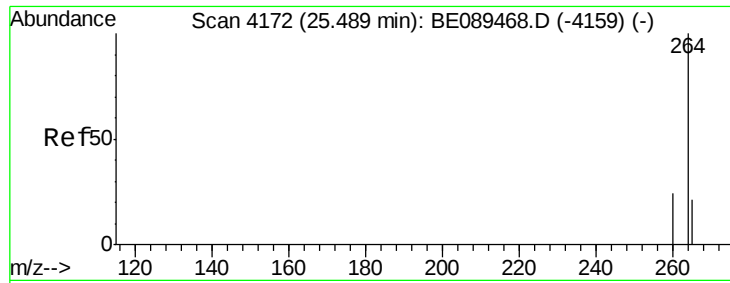


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

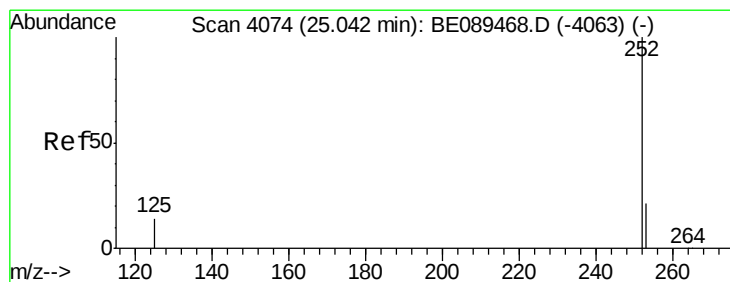
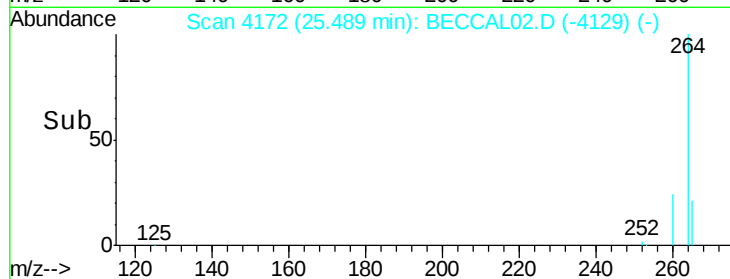
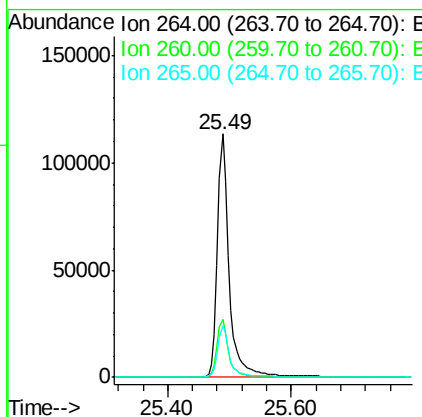
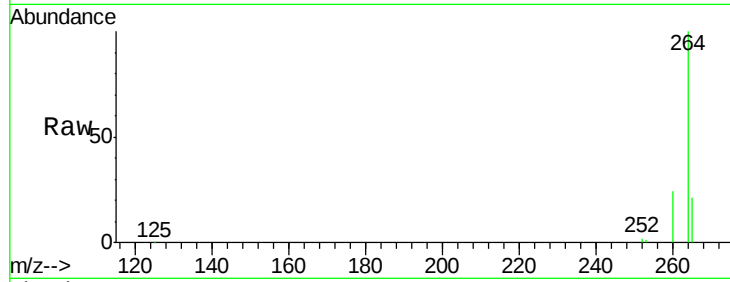




#27
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.49 min Scan# 4172
 Delta R.T. 0.00 min
 Lab File: BECCAL02.D
 Acq: 4 Feb 2015 4:03

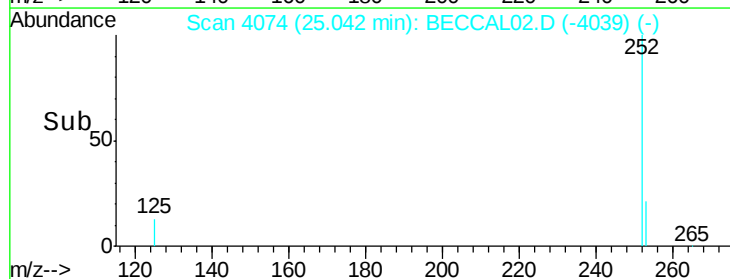
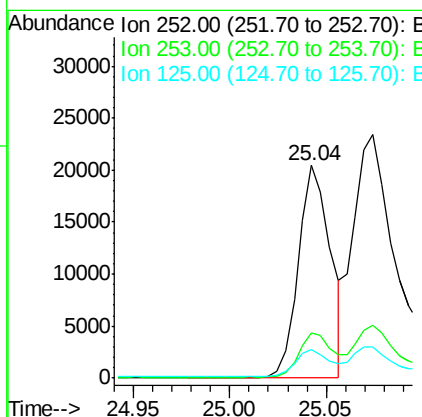
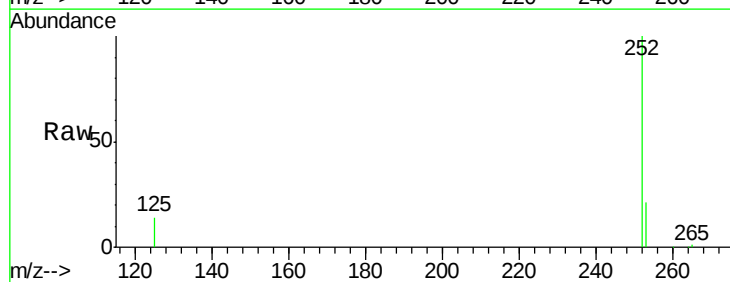
Instrument :
 BNA_E
 ClientSampleId :

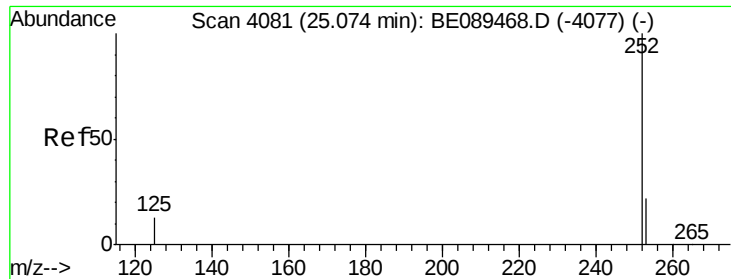
Tgt Ion: 264 Resp: 151219
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.1 28.7
 265 21.3 17.0 25.6



#28
 Benzo(b)fluoranthene
 Concen: 0.84 ng
 RT: 25.04 min Scan# 4074
 Delta R.T. 0.00 min
 Lab File: BECCAL02.D
 Acq: 4 Feb 2015 4:03

Tgt Ion: 252 Resp: 23500
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.4 26.2
 125 13.5 11.3 16.9





#29

Benzo(k)fluoranthene

Concen: 1.11 ng

RT: 25.07 min Scan# 4081

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :

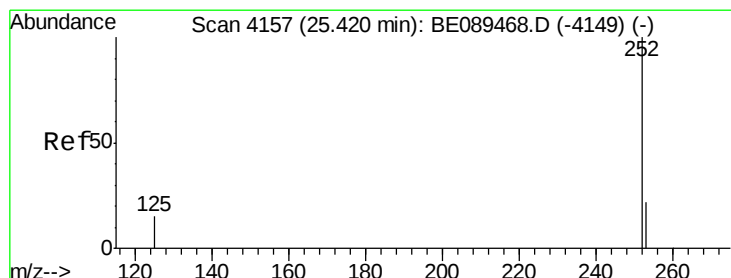
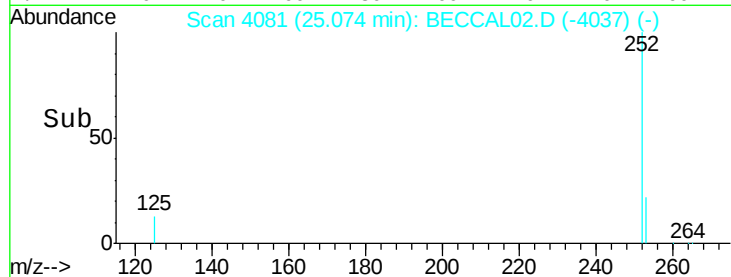
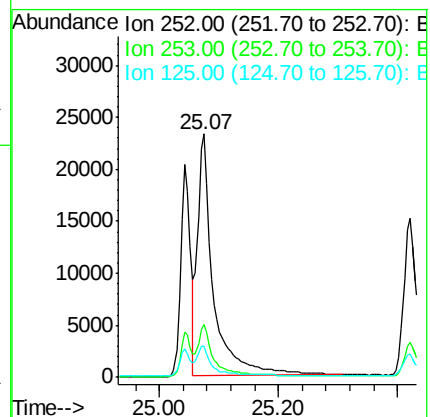
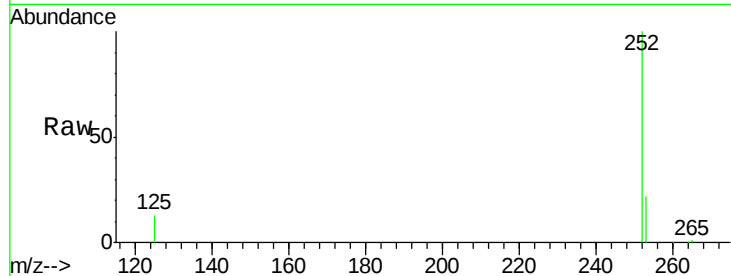
Tgt Ion:252 Resp: 43691

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 13.0 10.6 15.8



#30

Benzo(a)pyrene

Concen: 0.91 ng

RT: 25.42 min Scan# 4157

Delta R.T. 0.00 min

Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

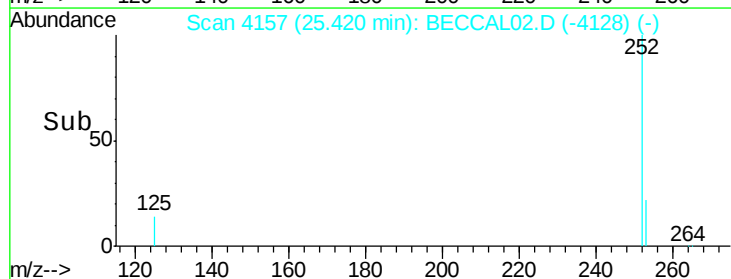
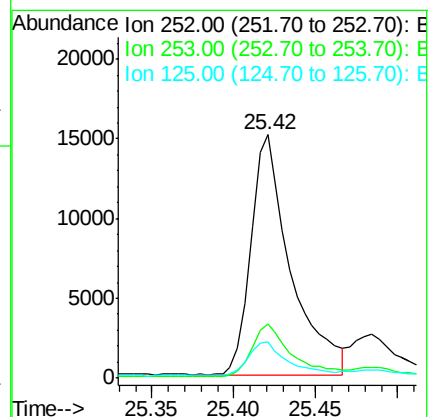
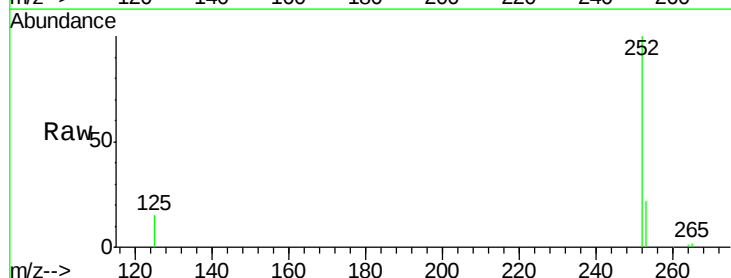
Tgt Ion:252 Resp: 25452

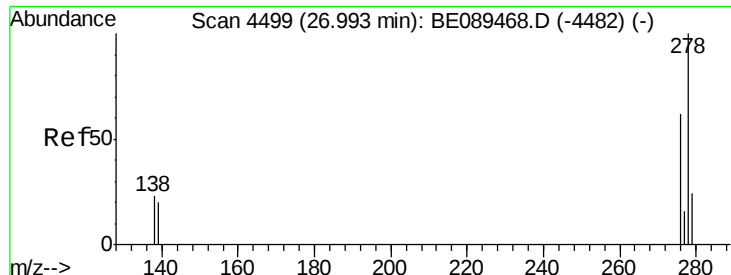
Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

125 14.9 12.2 18.4





#31

Dibenzo(a,h)anthracene

Concen: 0.93 ng

RT: 26.99 min Scan# 4499

Delta R.T. 0.00 min

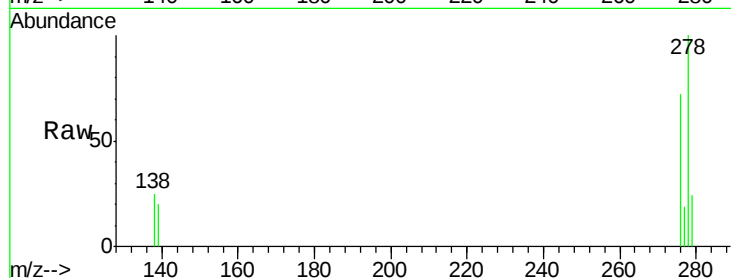
Lab File: BECCAL02.D

Acq: 4 Feb 2015 4:03

Instrument :

BNA_E

ClientSampleId :



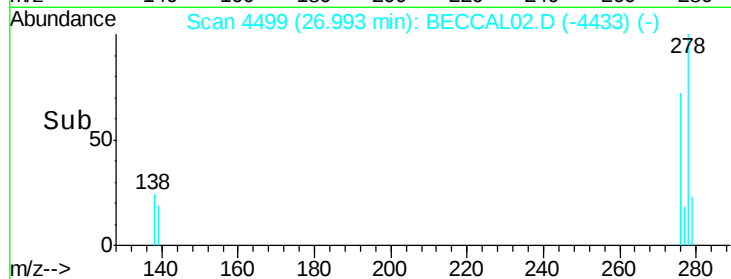
Tgt Ion: 278 Resp: 28594

Ion Ratio Lower Upper

278 100

139 20.3 16.8 25.2

279 23.8 19.4 29.0



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

