

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE090001.D
 Acq On : 30 Jun 2015 4:08
 Operator : TP/IZ
 Sample : G2810-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600006-150625

Quant Time: Jun 30 07:19:08 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	19385	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	86493	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	53064	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	127665	5.00	ng	0.00
25) Chrysene-d12	21.13	240	162651	5.00	ng	0.00
32) Perylene-d12	23.46	264	165740	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	28441	6.39	ng	0.00
5) Phenol-d6	6.80	99	42470	6.81	ng	0.00
7) Nitrobenzene-d5	8.76	82	25136	3.66	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	11382	7.32	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	57302	3.59	ng	0.00
27) Terphenyl-d14	19.59	244	94604	3.49	ng	0.00

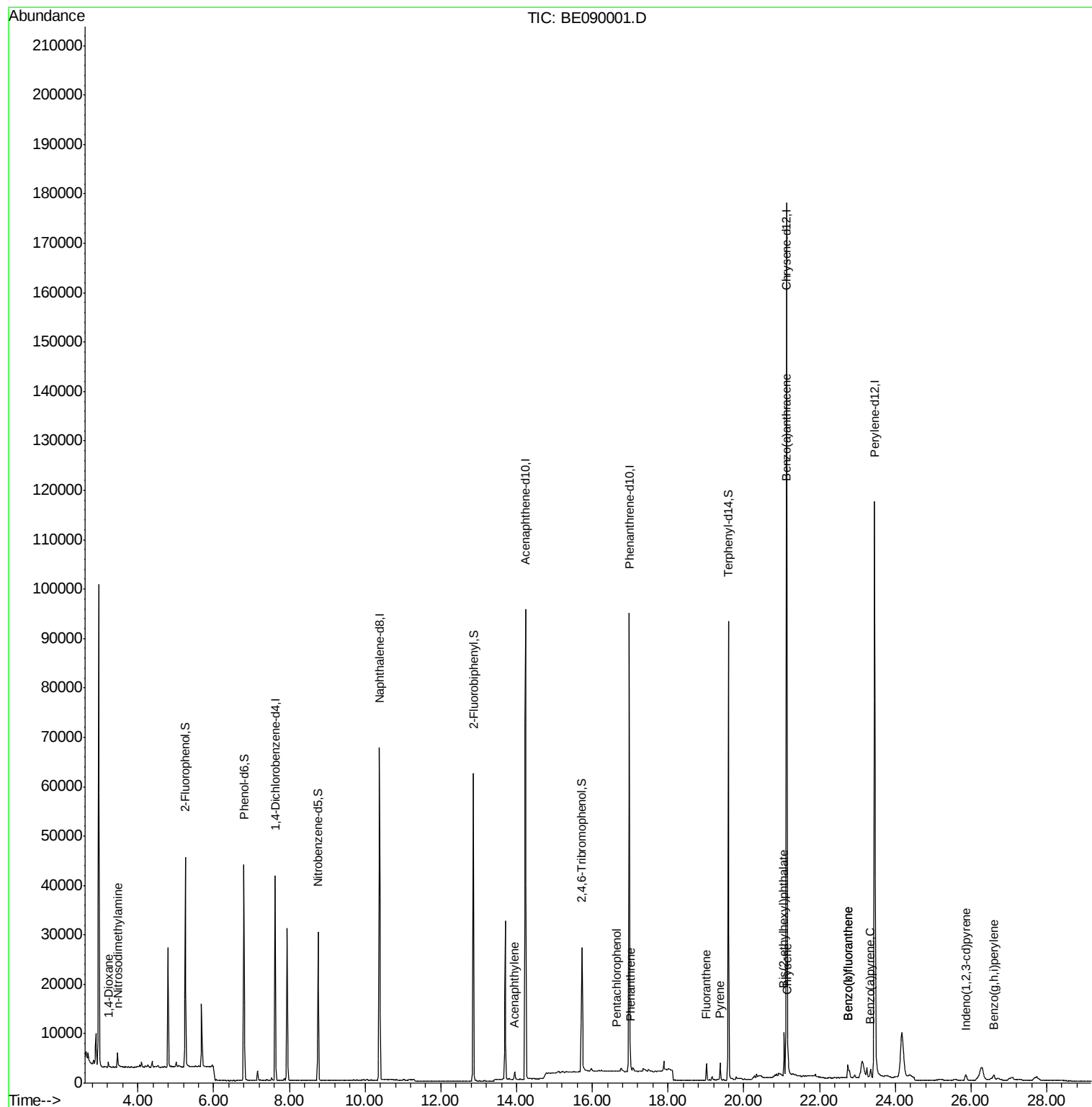
Target Compounds						Qvalue
2) 1,4-Dioxane	3.22	88	143	0.05	ng	# 1
3) n-Nitrosodimethylamine	3.46	42	625	0.17	ng	# 1
15) Acenaphthylene	13.95	152	2093	0.02	ng	98
21) Pentachlorophenol	16.63	266	35	0.27	ng	# 55
22) Phenanthrene	17.01	178	797	0.02	ng	# 80
24) Fluoranthene	19.01	202	3010	0.08	ng	# 94
26) Pyrene	19.37	202	3130	0.08	ng	98
28) Benzo(a)anthracene	21.11	228	3212	0.08	ng	# 86
29) Chrysene	21.16	228	3328	0.08	ng	# 92
30) Bis(2-ethylhexyl)phthalate	21.06	149	8791	0.75	ng	97
31) Indeno(1,2,3-cd)pyrene	25.86	276	2027	0.05	ng	97
33) Benzo(b)fluoranthene	22.75	252	4554	0.12	ng	# 81
34) Benzo(k)fluoranthene	22.75	252	4554	0.11	ng	# 81
35) Benzo(a)pyrene	23.35	252	2728	0.08	ng	# 73
37) Benzo(g,h,i)perylene	26.60	276	2114	0.06	ng	# 57

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 854

Delta R.T. 0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Instrument :

BNA_E

ClientSampleId :

X1SS0600006-150625

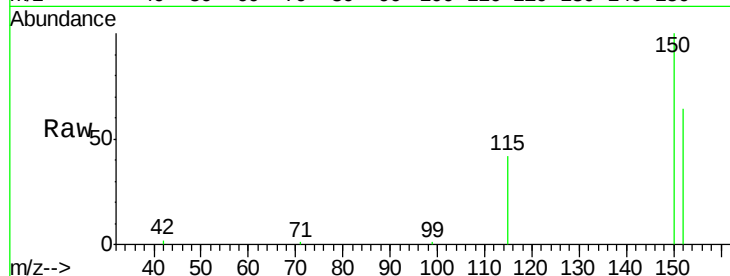
Tgt Ion:152 Resp: 19385

Ion Ratio Lower Upper

152 100

150 155.5 123.9 185.9

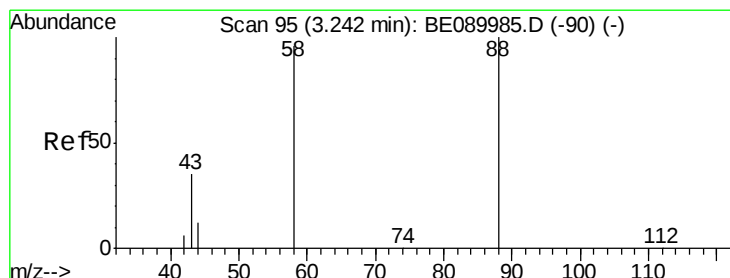
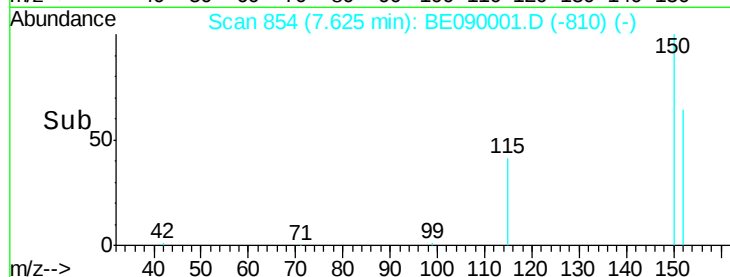
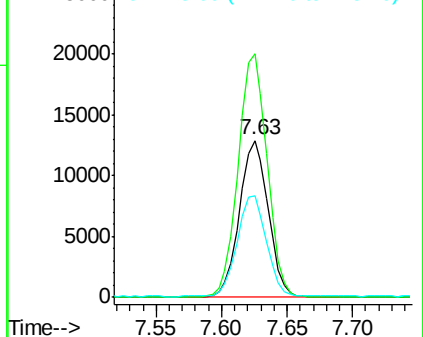
115 64.6 50.6 76.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.05 ng

RT: 3.22 min Scan# 92

Delta R.T. -0.02 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

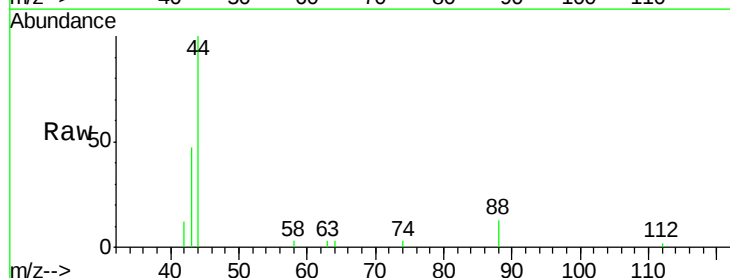
Tgt Ion: 88 Resp: 143

Ion Ratio Lower Upper

88 100

58 2.1 70.9 106.3#

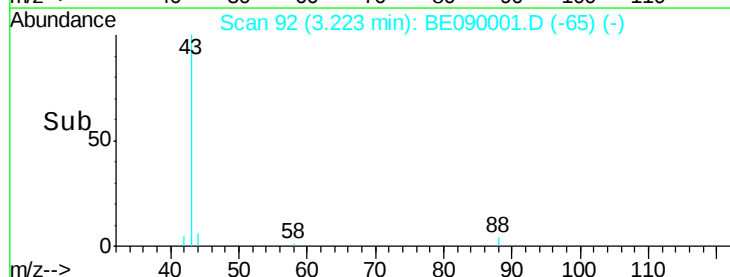
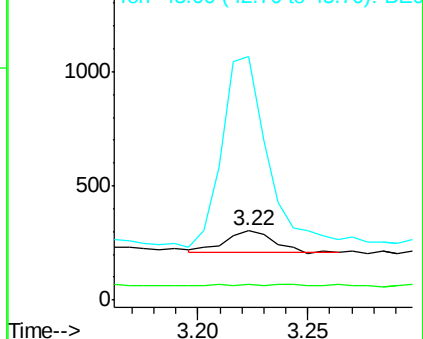
43 833.6 27.6 41.4#

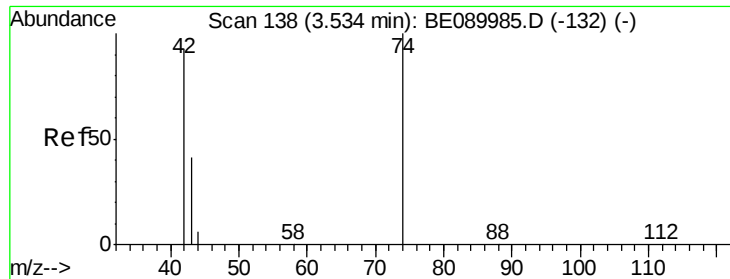


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.17 ng

RT: 3.46 min Scan# 127

Delta R.T. -0.07 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Instrument :

BNA_E

ClientSampleId :

X1SS0600006-150625

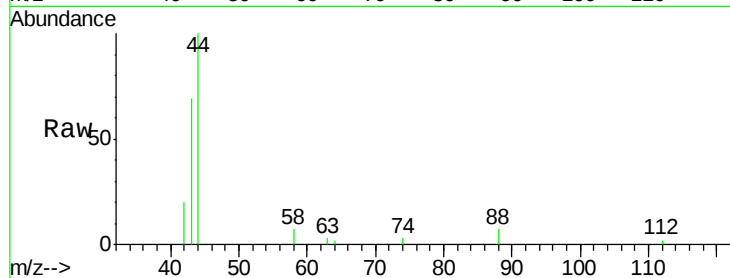
Tgt Ion: 42 Resp: 625

Ion Ratio Lower Upper

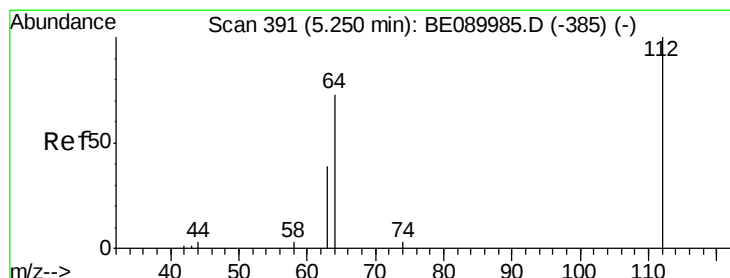
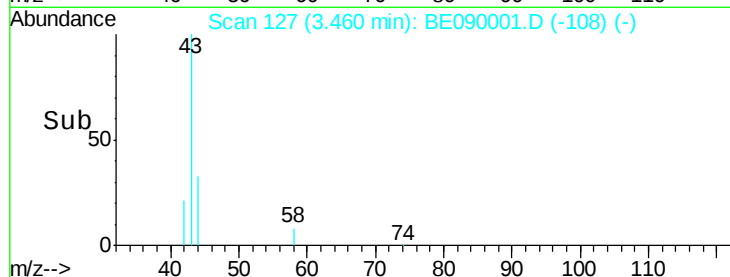
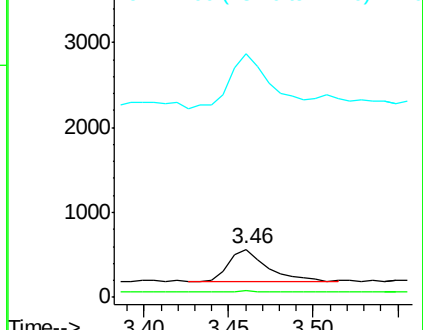
42 100

74 4.5 89.4 134.2#

44 171.8 6.9 10.3#



Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 6.39 ng

RT: 5.25 min Scan# 391

Delta R.T. 0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

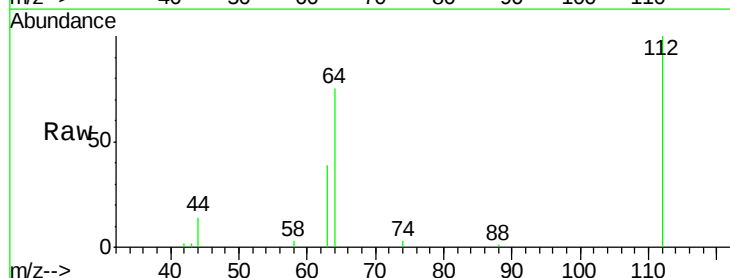
Tgt Ion: 112 Resp: 28441

Ion Ratio Lower Upper

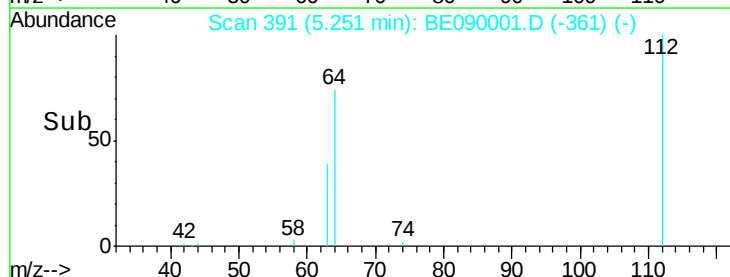
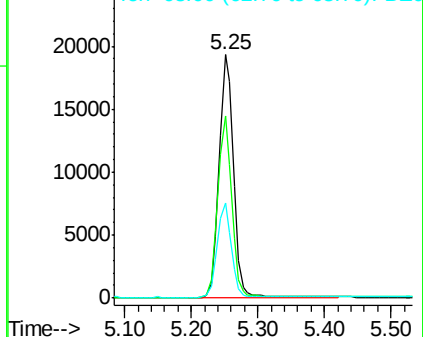
112 100

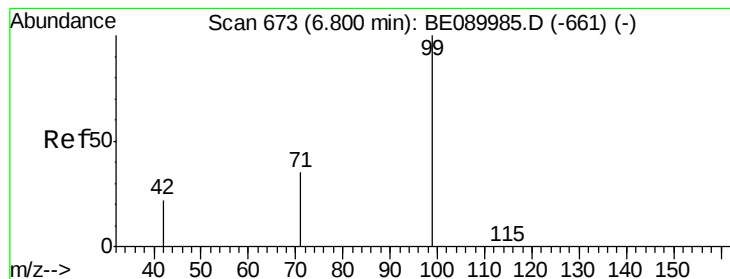
64 72.8 56.3 84.5

63 38.1 29.8 44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 6.81 ng

RT: 6.80 min Scan# 673

Delta R.T. 0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Instrument :

BNA_E

ClientSampleId :

X1SS0600006-150625

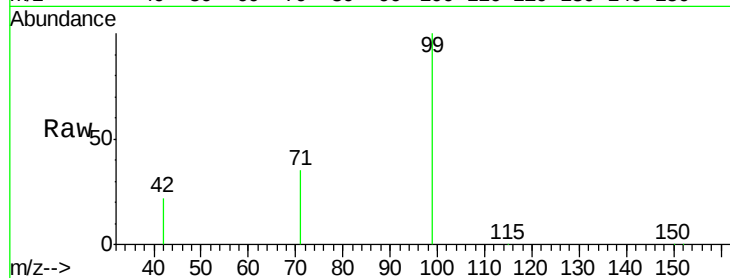
Tgt Ion: 99 Resp: 42470

Ion Ratio Lower Upper

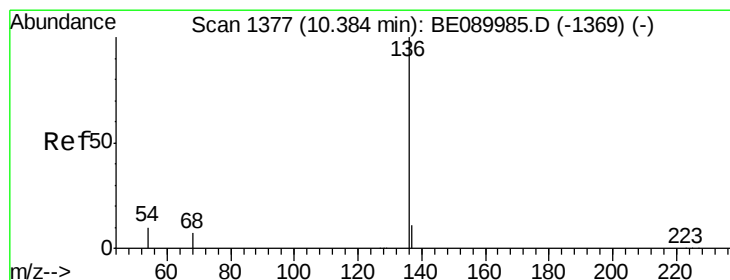
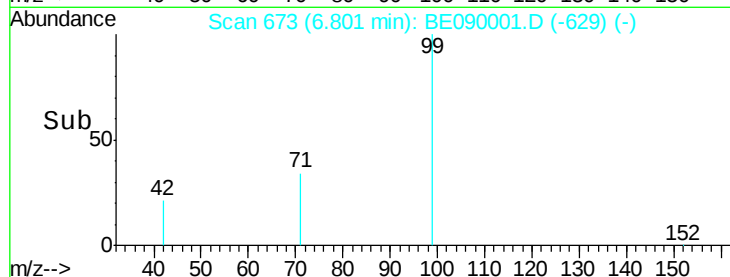
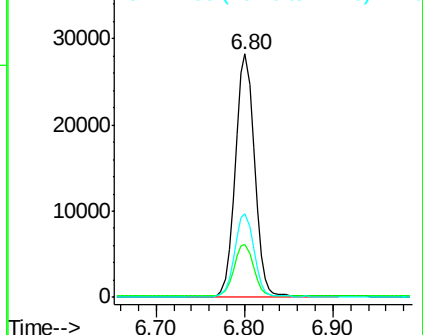
99 100

42 21.6 18.7 28.1

71 34.4 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Tgt Ion: 136 Resp: 86493

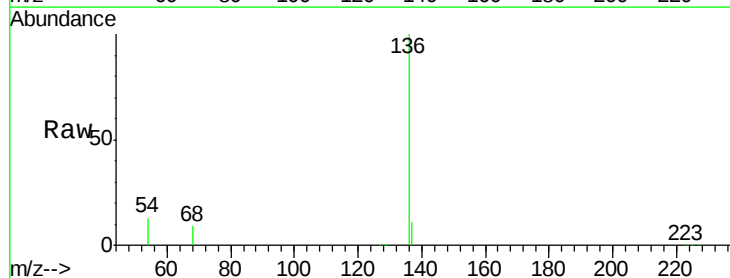
Ion Ratio Lower Upper

136 100

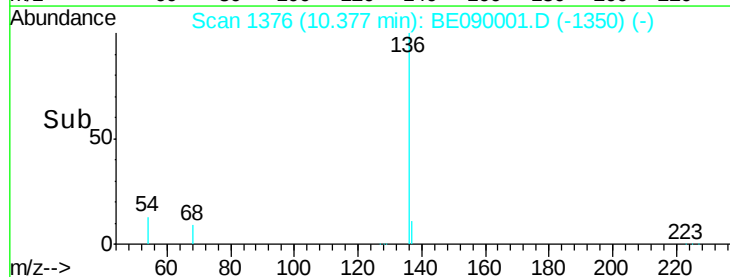
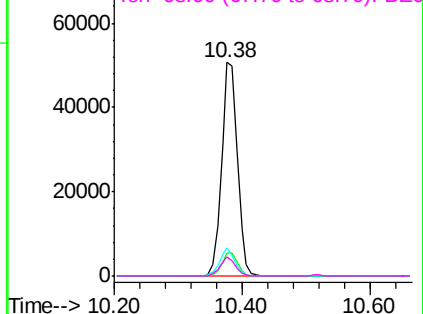
137 11.0 8.9 13.3

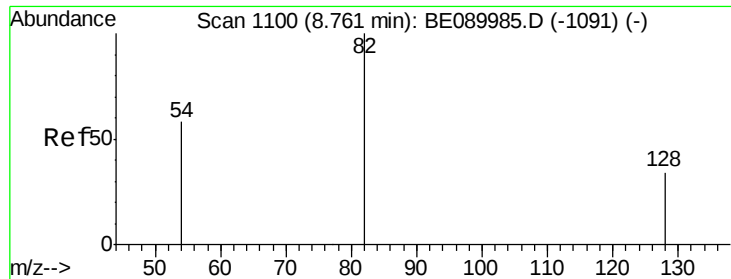
54 13.2 8.2 12.4#

68 9.1 5.8 8.8#



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): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.66 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Instrument :

BNA_E

ClientSampleId :

X1SS0600006-150625

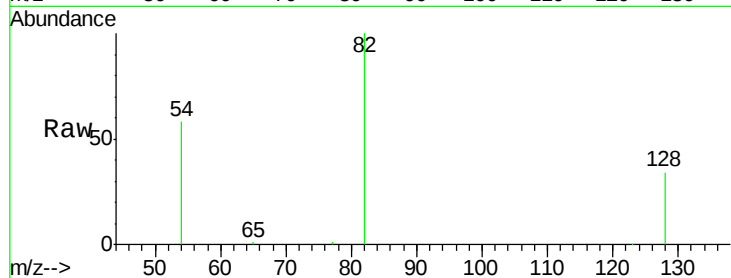
Tgt Ion: 82 Resp: 25136

Ion Ratio Lower Upper

82 100

128 34.5 28.0 42.0

54 57.7 47.6 71.4

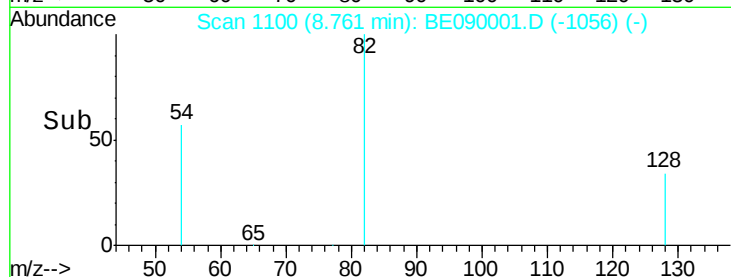


Abundance Ion 82.00 (81.70 to 82.70): BE0

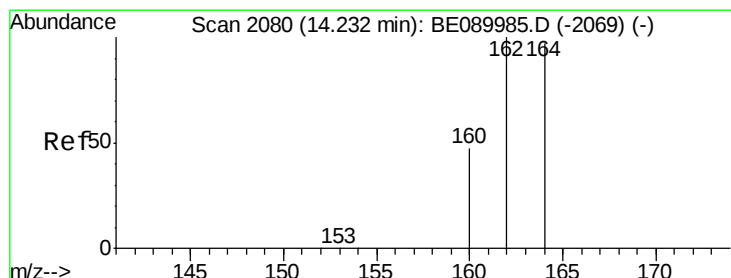
Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.23 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

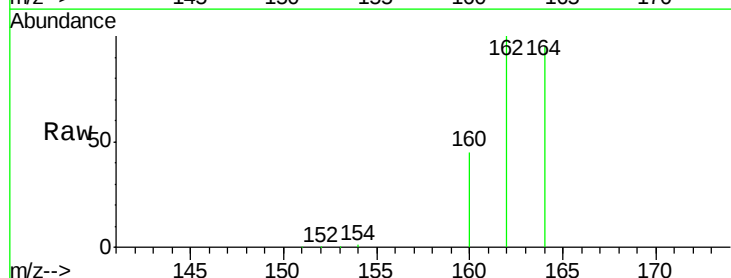
Tgt Ion: 164 Resp: 53064

Ion Ratio Lower Upper

164 100

162 104.8 82.2 123.4

160 47.4 39.0 58.6

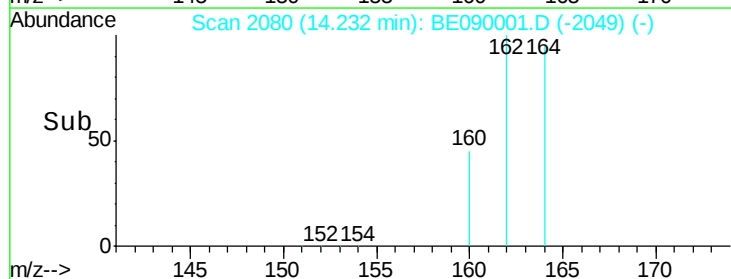


Abundance Ion 164.00 (163.70 to 164.70): E

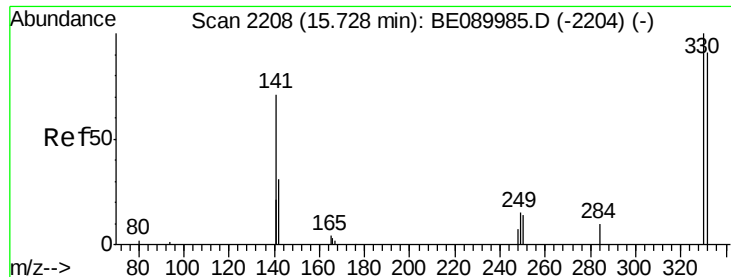
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



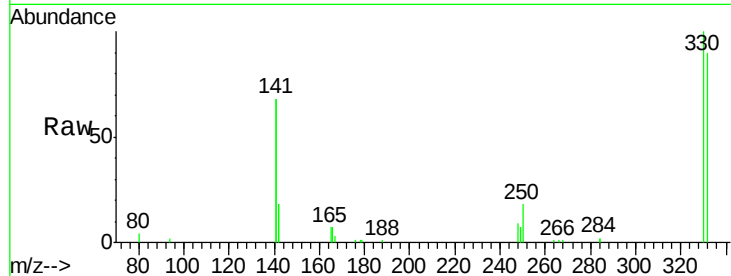
Time-->



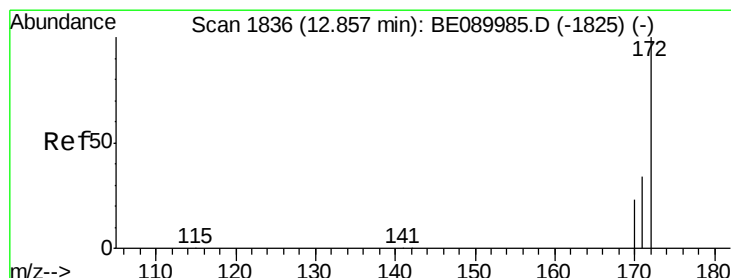
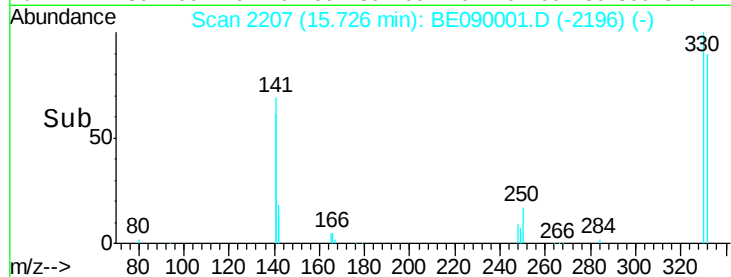
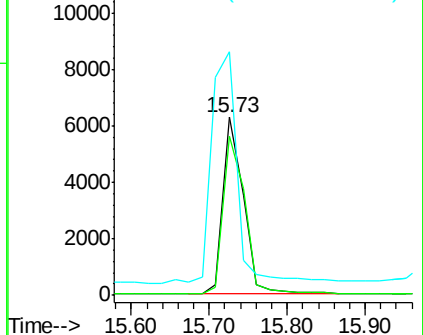
#13
 2,4,6-Tribromophenol
 Concen: 7.32 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090001.D
 Acq: 30 Jun 2015 4:08

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600006-150625

Tgt Ion: 330 Resp: 11382
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.4 114.6
 141 163.4 130.3 195.5

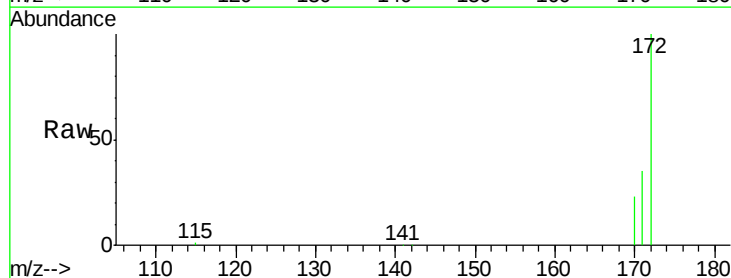


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

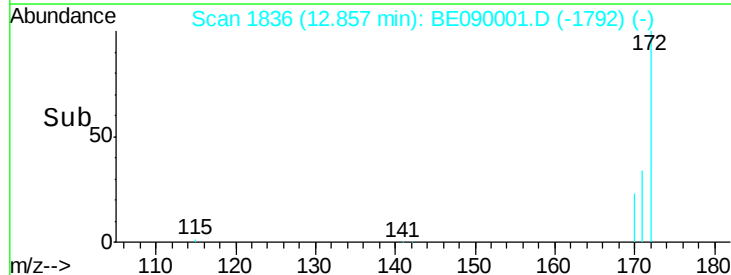
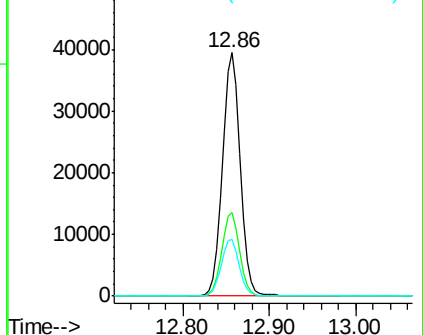


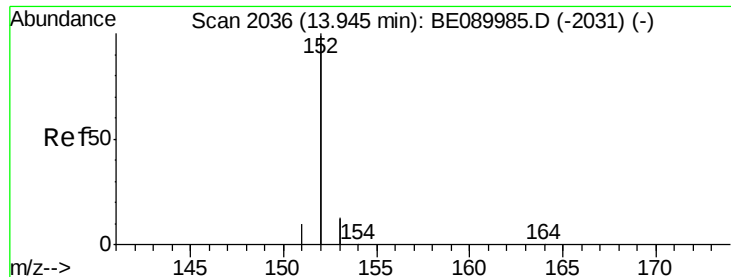
#14
 2-Fluorobiphenyl
 Concen: 3.59 ng
 RT: 12.86 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BE090001.D
 Acq: 30 Jun 2015 4:08

Tgt Ion: 172 Resp: 57302
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.8 41.6
 170 23.3 18.3 27.5



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





#15

Acenaphthylene

Concen: 0.02 ng

RT: 13.95 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Instrument :

BNA_E

ClientSampleId :

X1SS0600006-150625

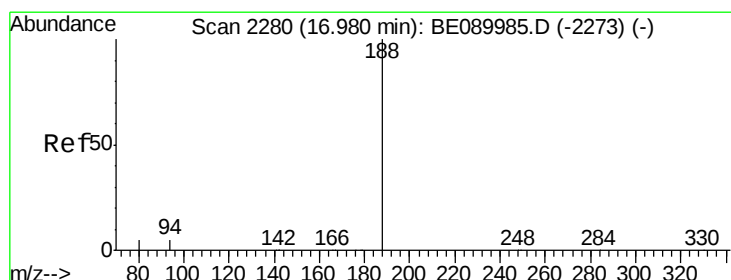
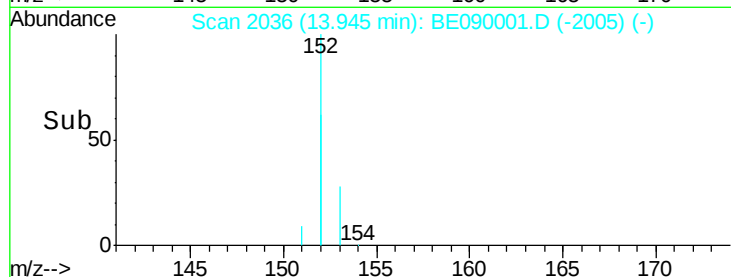
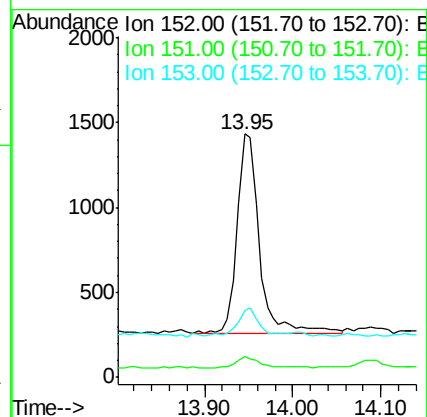
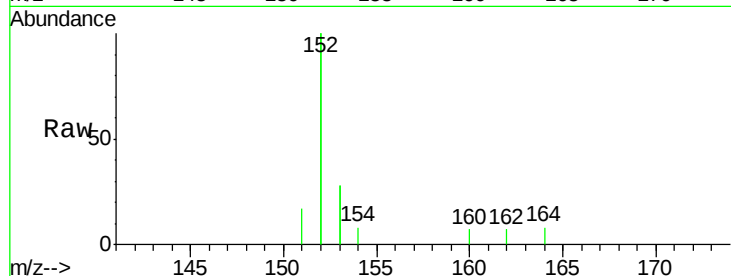
Tgt Ion:152 Resp: 2093

Ion Ratio Lower Upper

152 100

151 5.0 3.9 5.9

153 13.9 10.4 15.6



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.98 min Scan# 2279

Delta R.T. -0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

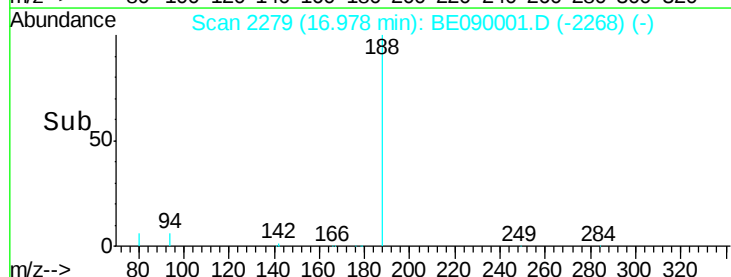
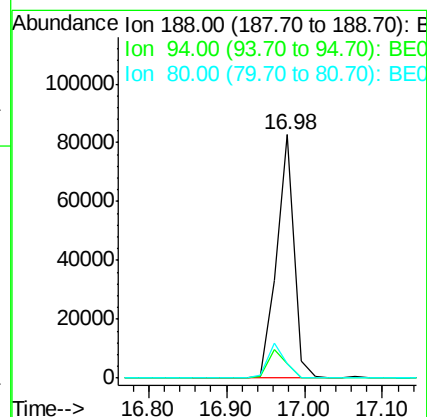
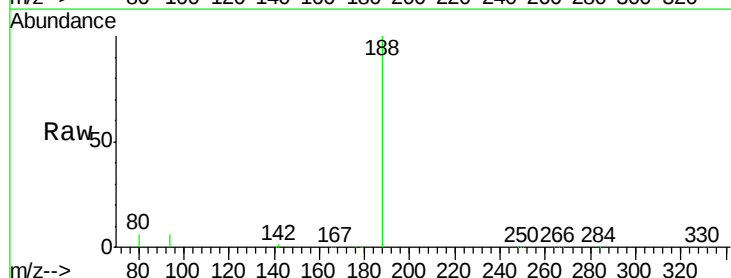
Tgt Ion:188 Resp: 127665

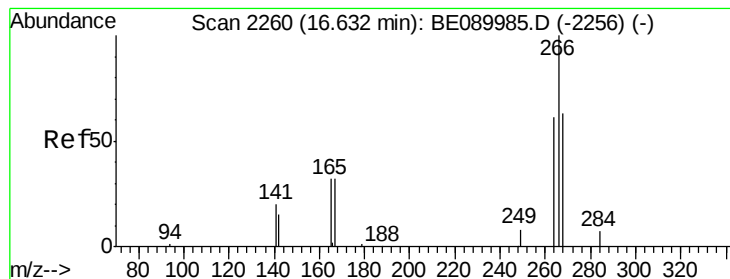
Ion Ratio Lower Upper

188 100

94 5.8 4.1 6.1

80 5.8 4.2 6.2





#21

Pentachlorophenol

Concen: 0.27 ng

RT: 16.63 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Instrument :

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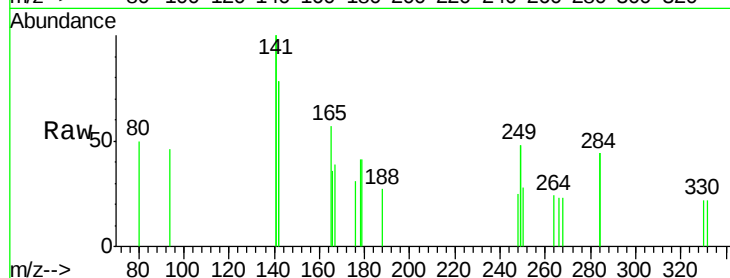
Tgt Ion:266 Resp: 35

Ion Ratio Lower Upper

266 100

268 96.2 51.8 77.8#

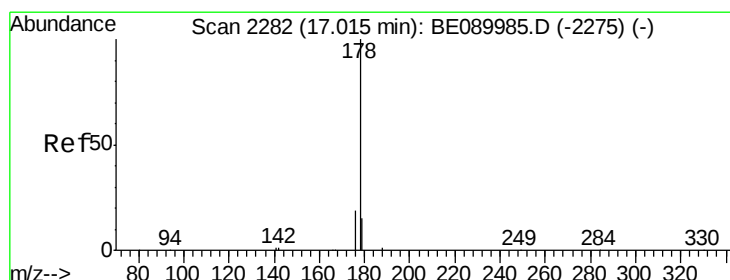
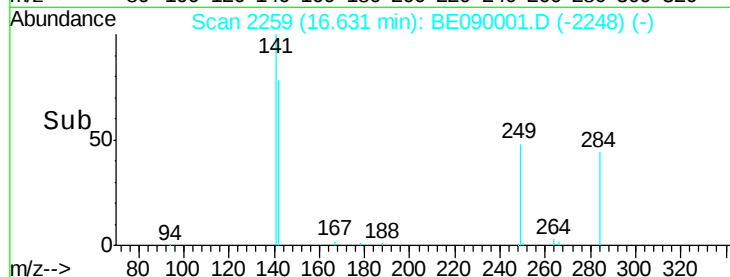
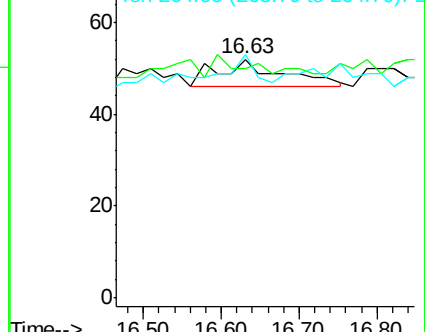
264 101.9 50.2 75.2#



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



#22

Phenanthrene

Concen: 0.02 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

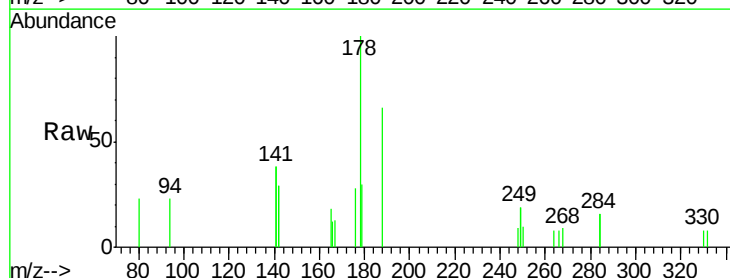
Tgt Ion:178 Resp: 797

Ion Ratio Lower Upper

178 100

176 23.2 15.3 22.9#

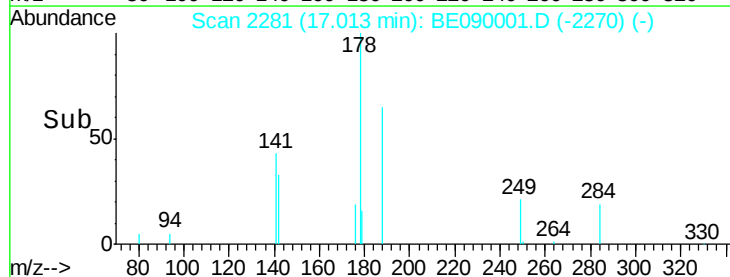
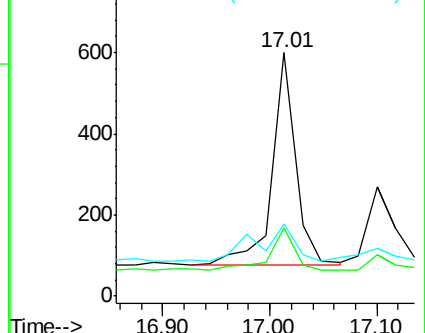
179 29.6 12.4 18.6#

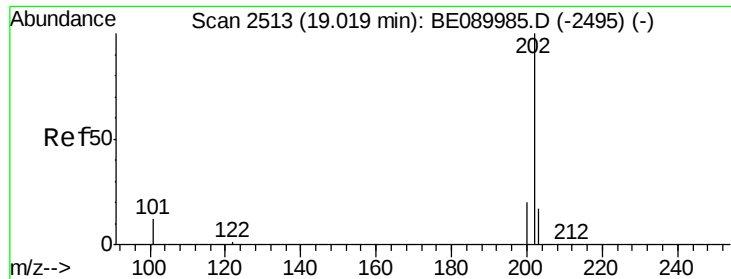


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

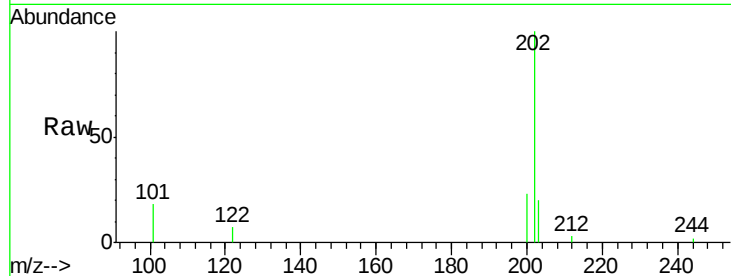




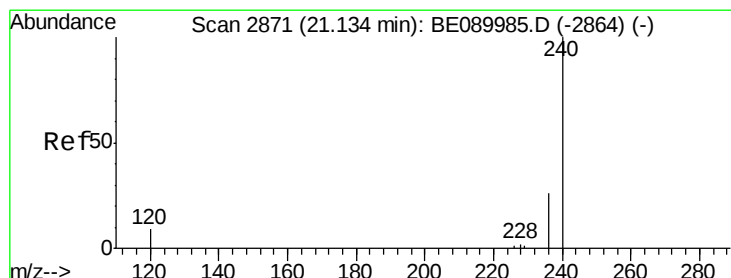
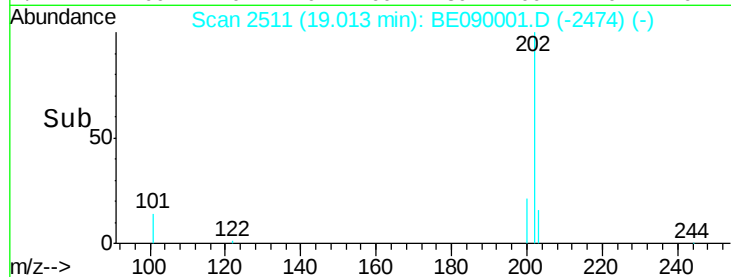
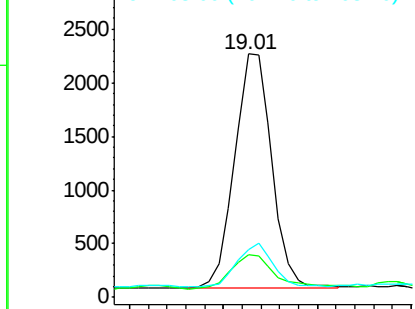
#24
 Fluoranthene
 Concen: 0.08 ng
 RT: 19.01 min Scan# 2511
 Delta R.T. -0.01 min
 Lab File: BE090001.D
 Acq: 30 Jun 2015 4:08

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600006-150625

Tgt Ion:202 Resp: 3010
 Ion Ratio Lower Upper
 202 100
 101 18.0 10.6 15.8#
 203 18.0 13.8 20.6

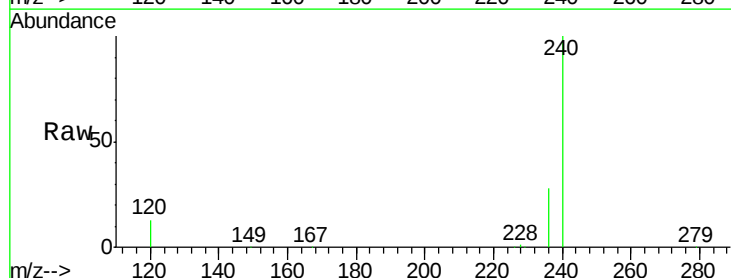


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

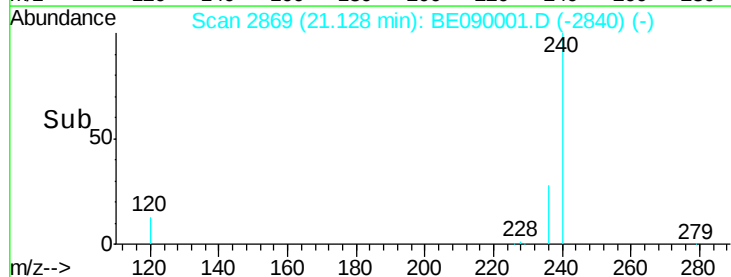
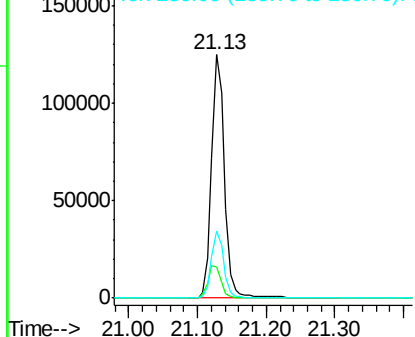


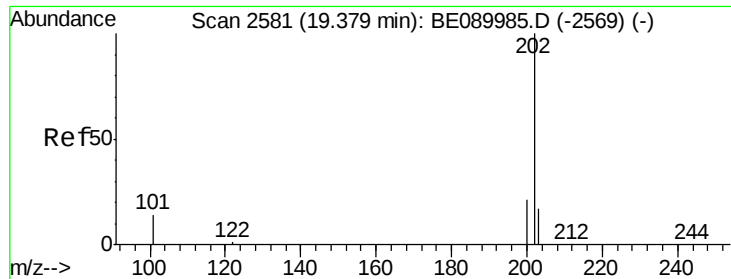
#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.13 min Scan# 2869
 Delta R.T. -0.01 min
 Lab File: BE090001.D
 Acq: 30 Jun 2015 4:08

Tgt Ion:240 Resp: 162651
 Ion Ratio Lower Upper
 240 100
 120 12.9 6.9 10.3#
 236 27.8 20.8 31.2



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

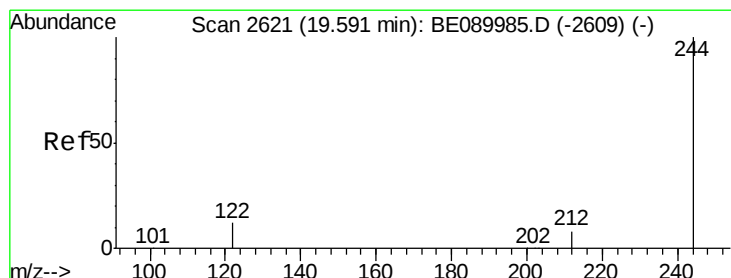
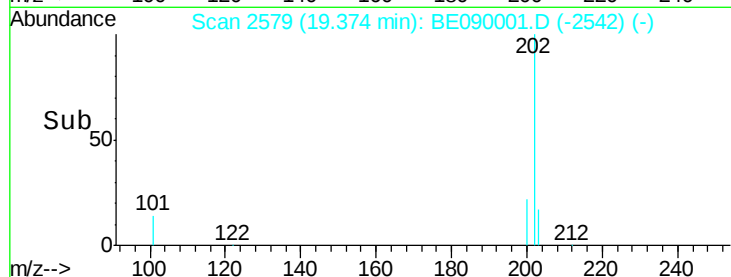
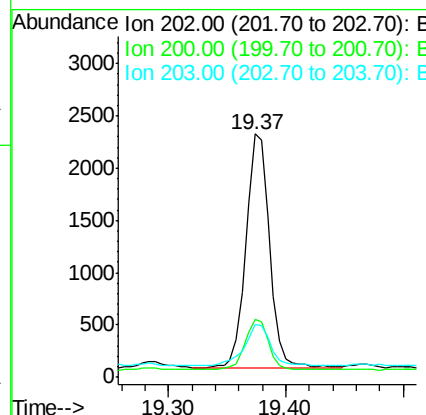
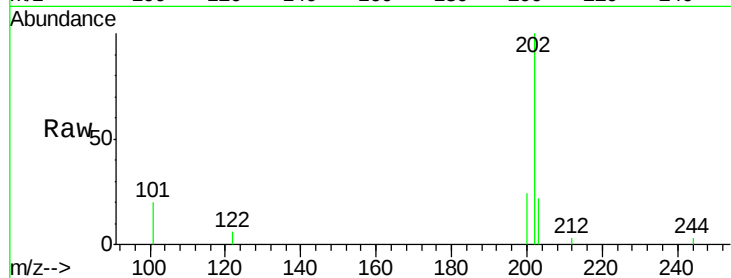




#26
 Pyrene
 Concen: 0.08 ng
 RT: 19.37 min Scan# 2579
 Delta R.T. -0.01 min
 Lab File: BE090001.D
 Acq: 30 Jun 2015 4:08

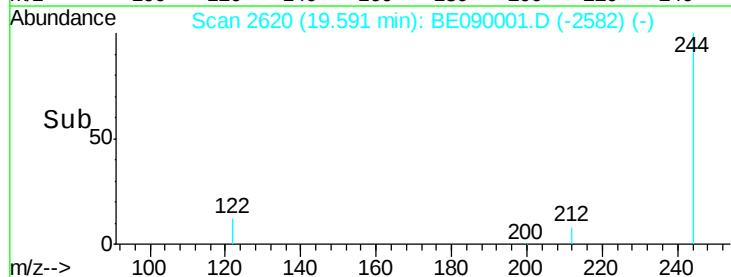
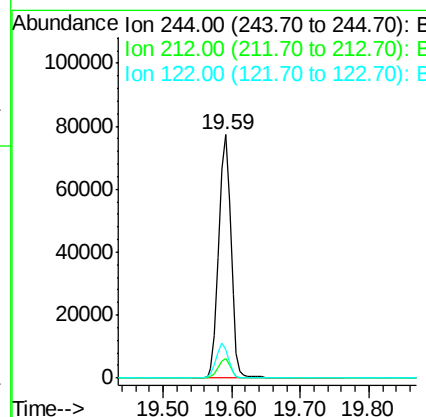
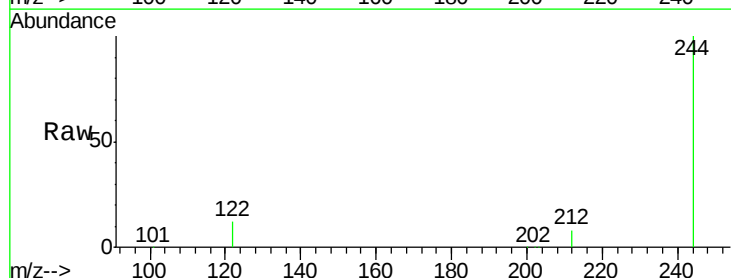
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600006-150625

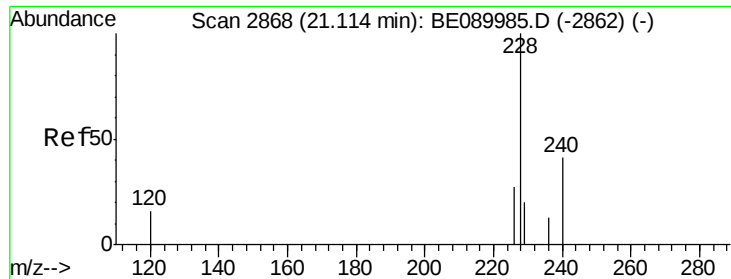
Tgt Ion: 202 Resp: 3130
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.8 25.2
 203 19.4 13.9 20.9



#27
 Terphenyl-d14
 Concen: 3.49 ng
 RT: 19.59 min Scan# 2620
 Delta R.T. 0.00 min
 Lab File: BE090001.D
 Acq: 30 Jun 2015 4:08

Tgt Ion: 244 Resp: 94604
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.6 9.8
 122 11.8 9.8 14.8





#28

Benzo(a)anthracene

Concen: 0.08 ng

RT: 21.11 min Scan# 2867

Delta R.T. 0.00 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Instrument :

BNA_E

ClientSampleId :

X1SS0600006-150625

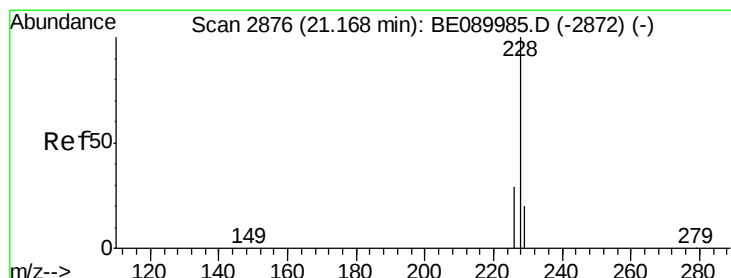
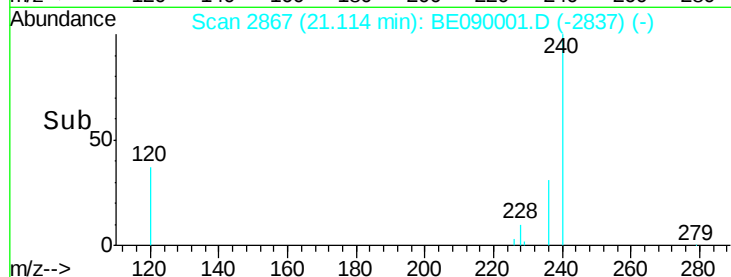
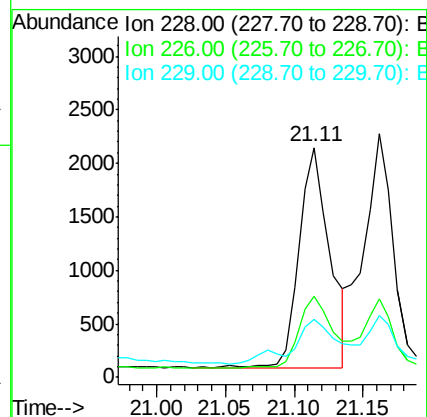
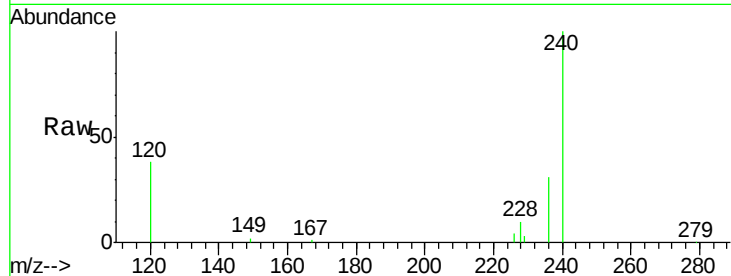
Tgt Ion:228 Resp: 3212

Ion Ratio Lower Upper

228 100

226 35.0 21.8 32.6#

229 25.3 15.8 23.6#



#29

Chrysene

Concen: 0.08 ng

RT: 21.16 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

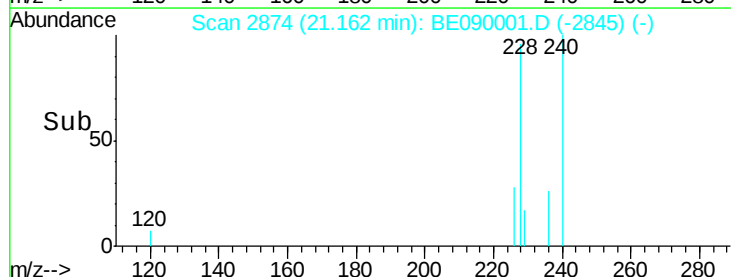
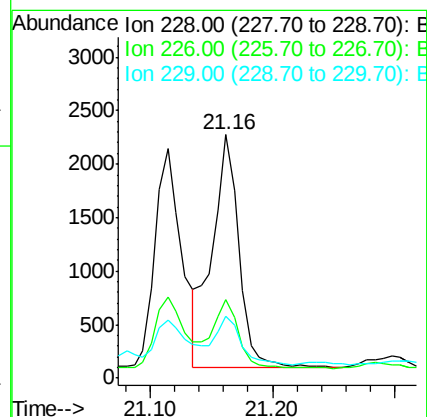
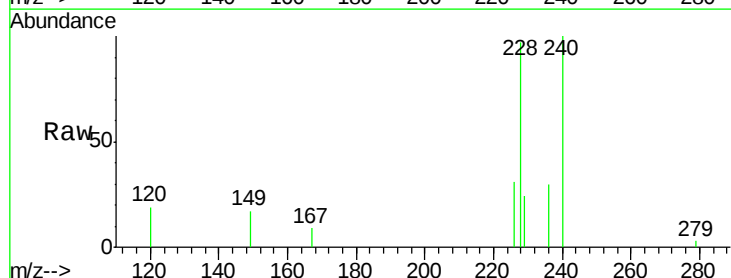
Tgt Ion:228 Resp: 3328

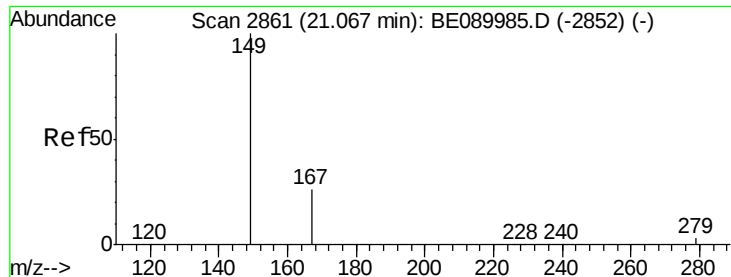
Ion Ratio Lower Upper

228 100

226 32.2 23.4 35.0

229 25.3 16.2 24.2#





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.75 ng

RT: 21.06 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

Instrument :

BNA_E

ClientSampleId :

X1SS0600006-150625

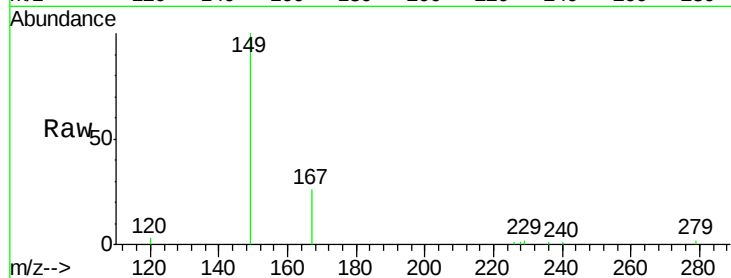
Tgt Ion:149 Resp: 8791

Ion Ratio Lower Upper

149 100

167 24.0 20.3 30.5

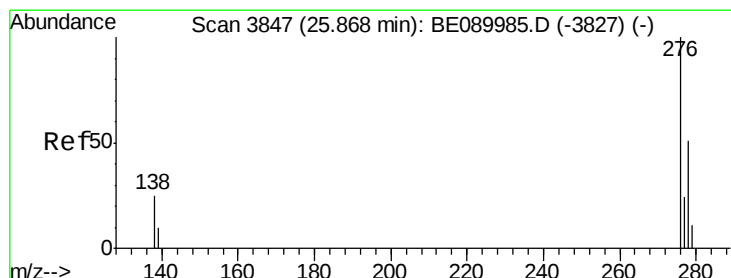
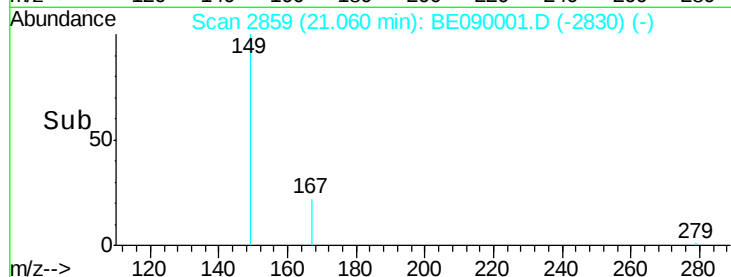
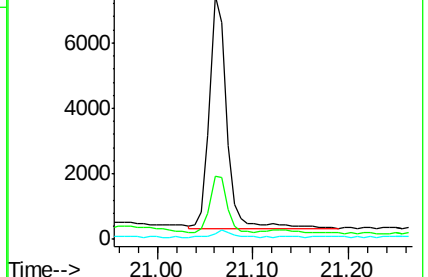
279 2.7 2.6 3.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.05 ng

RT: 25.86 min Scan# 3844

Delta R.T. -0.01 min

Lab File: BE090001.D

Acq: 30 Jun 2015 4:08

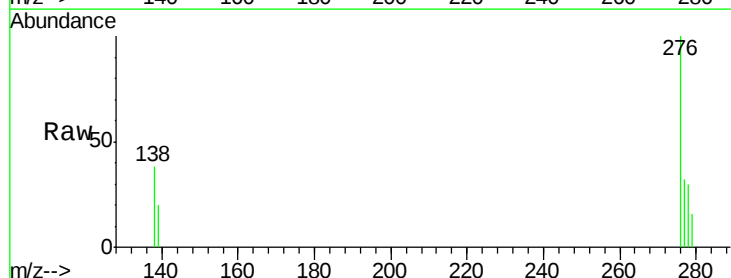
Tgt Ion:276 Resp: 2027

Ion Ratio Lower Upper

276 100

138 24.6 21.3 31.9

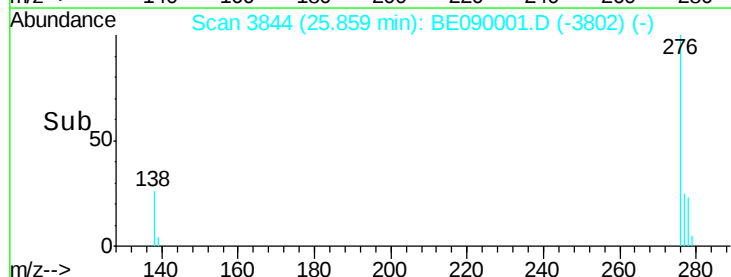
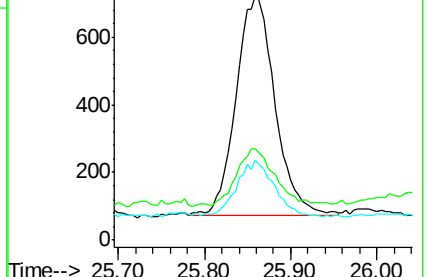
277 23.7 19.7 29.5

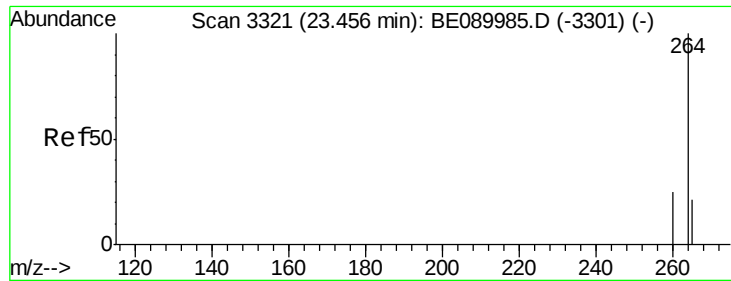


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

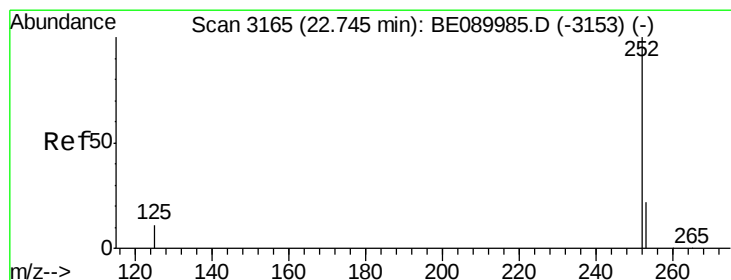
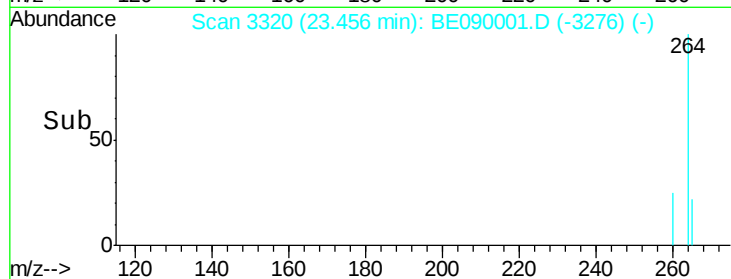
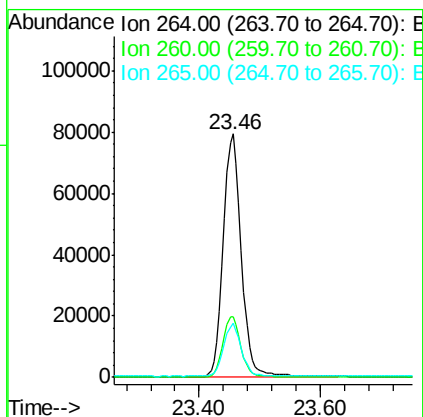
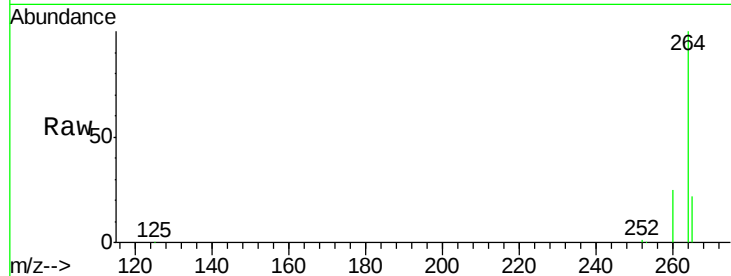




#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.46 min Scan# 3320
 Delta R.T. 0.00 min
 Lab File: BE090001.D
 Acq: 30 Jun 2015 4:08

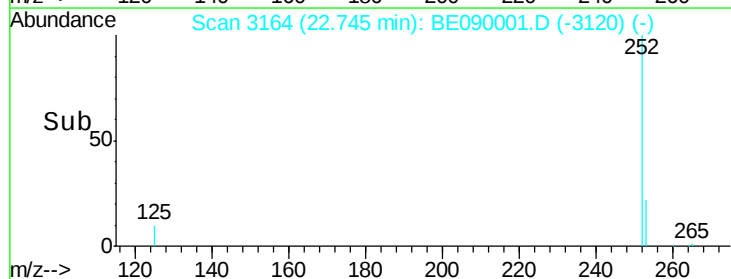
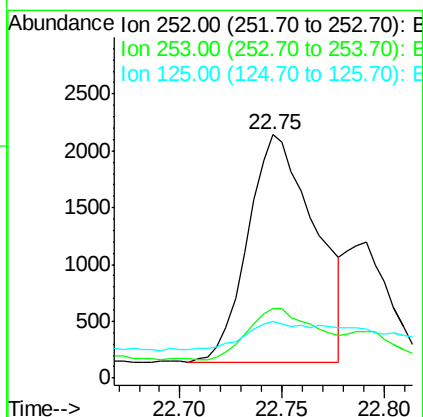
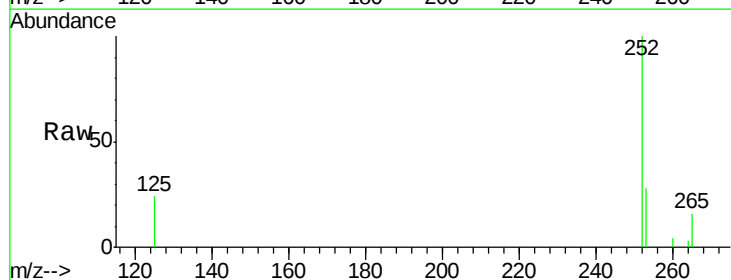
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600006-150625

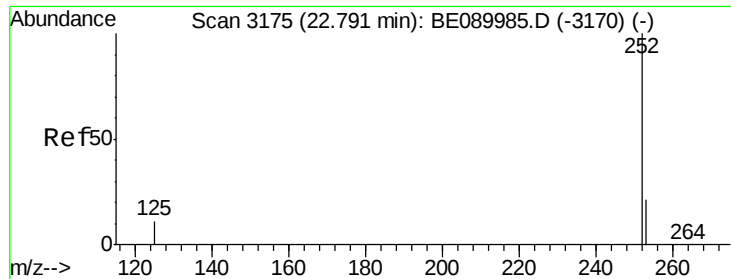
Tgt Ion: 264 Resp: 165740
 Ion Ratio Lower Upper
 264 100
 260 24.8 20.2 30.2
 265 22.1 17.1 25.7



#33
 Benzo(b)fluoranthene
 Concen: 0.12 ng
 RT: 22.75 min Scan# 3164
 Delta R.T. 0.00 min
 Lab File: BE090001.D
 Acq: 30 Jun 2015 4:08

Tgt Ion: 252 Resp: 4554
 Ion Ratio Lower Upper
 252 100
 253 28.4 17.8 26.8#
 125 23.6 9.0 13.4#

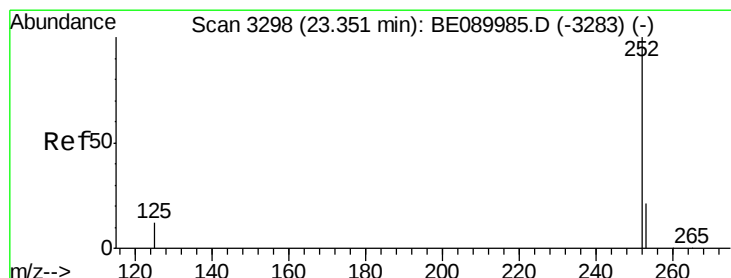
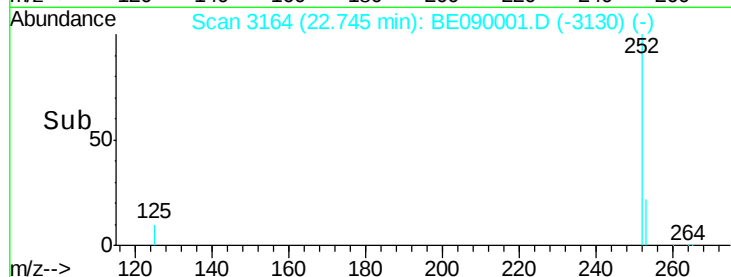
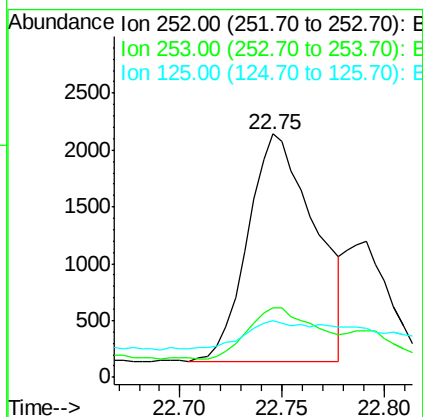
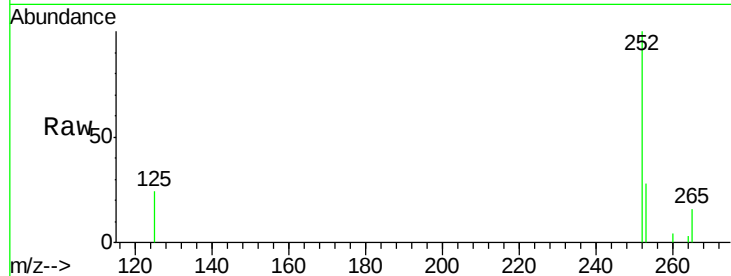




#34
Benzo(k)fluoranthene
Concen: 0.11 ng
RT: 22.75 min Scan# 3164
Delta R.T. -0.05 min
Lab File: BE090001.D
Acq: 30 Jun 2015 4:08

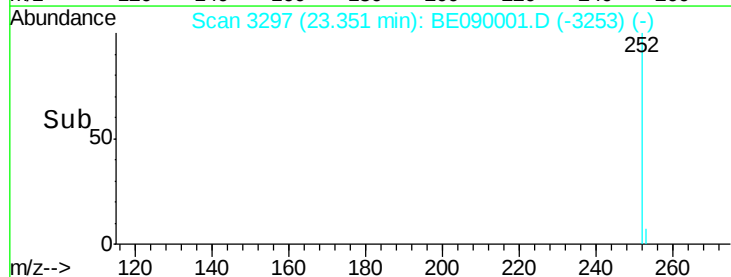
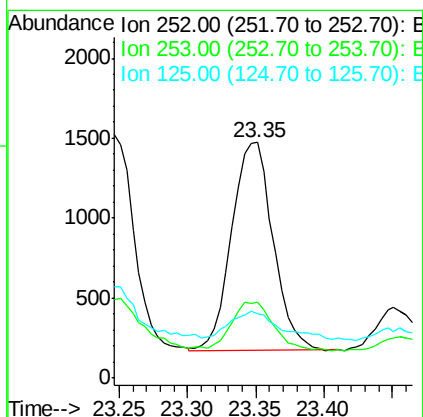
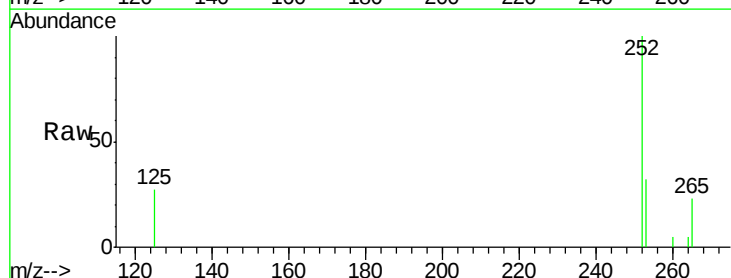
Instrument :
BNA_E
ClientSampleId :
X1SS0600006-150625

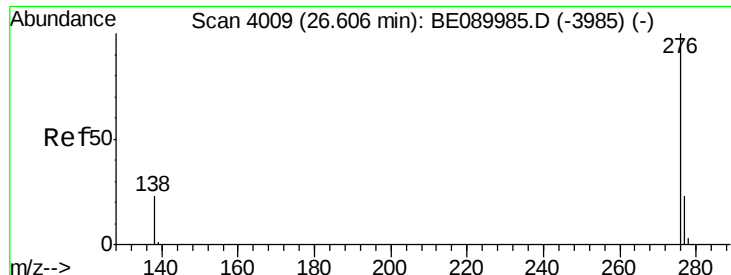
Tgt Ion: 252 Resp: 4554
Ion Ratio Lower Upper
252 100
253 28.4 17.5 26.3#
125 23.6 9.5 14.3#



#35
Benzo(a)pyrene
Concen: 0.08 ng
RT: 23.35 min Scan# 3297
Delta R.T. 0.00 min
Lab File: BE090001.D
Acq: 30 Jun 2015 4:08

Tgt Ion: 252 Resp: 2728
Ion Ratio Lower Upper
252 100
253 32.0 17.4 26.2#
125 27.1 10.5 15.7#





#37

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 26.60 min Scan# 4007

Delta R.T. -0.00 min

Lab File: BE090001.D

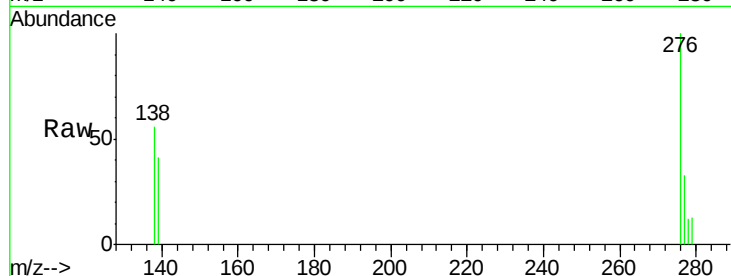
Acq: 30 Jun 2015 4:08

Instrument :

BNA_E

ClientSampleId :

X1SS0600006-150625



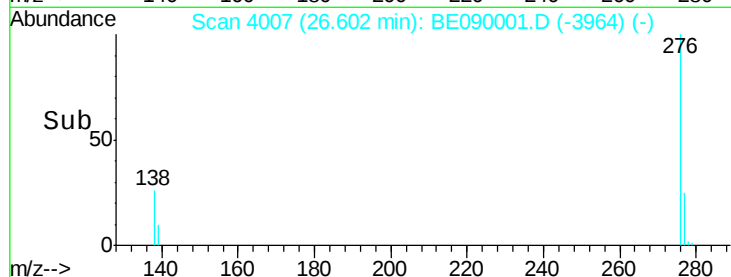
Tgt Ion: 276 Resp: 2114

Ion Ratio Lower Upper

276 100

277 32.6 18.8 28.2#

138 55.9 18.6 27.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

