

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080315\
 Data File : BE090331.D
 Acq On : 4 Aug 2015 4:26
 Operator : TP/UM
 Sample : PB84826BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BS

Quant Time: Aug 04 07:42:09 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 04 02:31:31 2015
 Response via : Initial Calibration

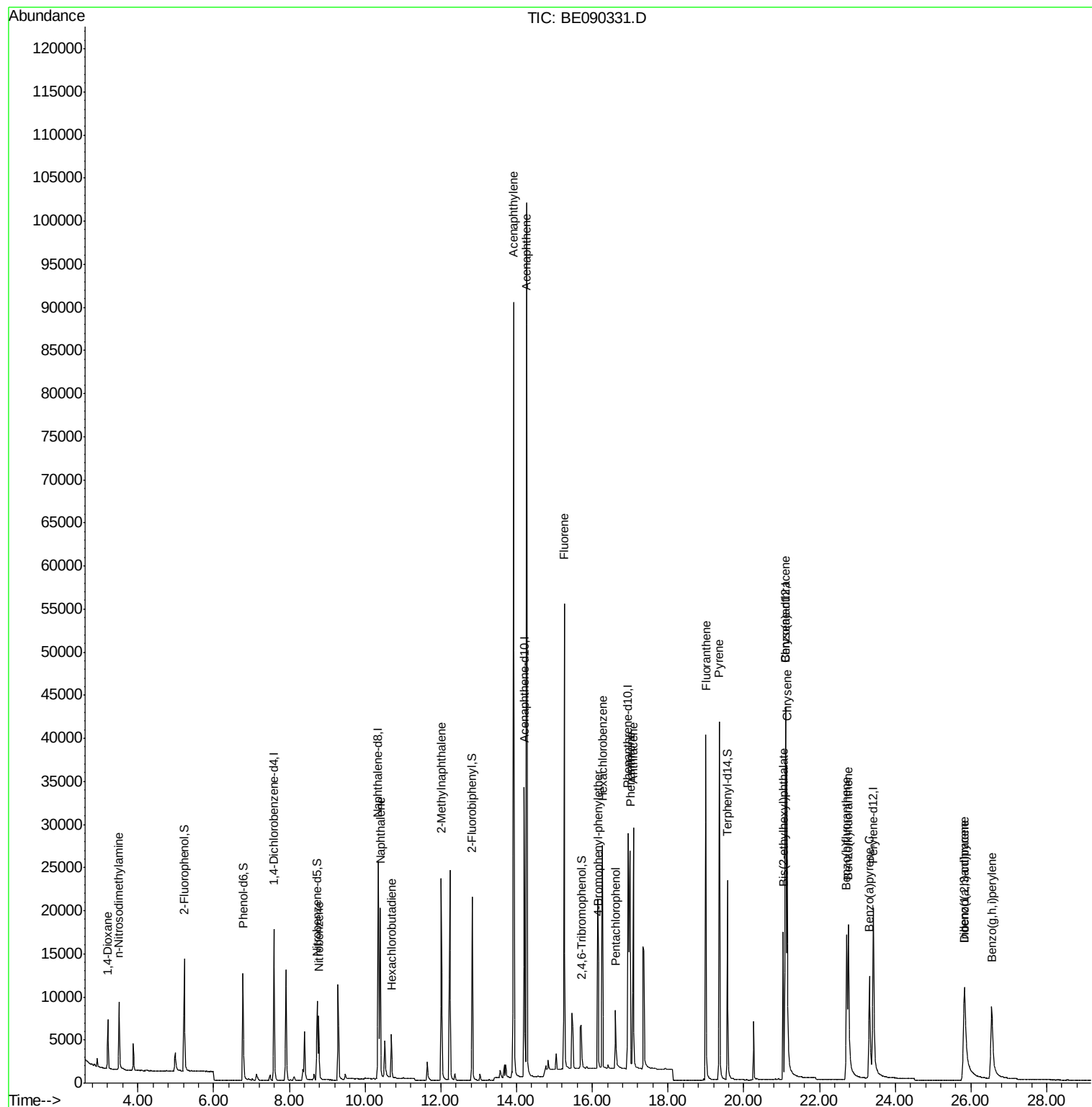
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	8497	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	36741	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	18661	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	39113	5.00	ng	0.00
25) Chrysene-d12	21.11	240	37737	5.00	ng	0.00
32) Perylene-d12	23.42	264	32709	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	11042	6.80	ng	0.00
5) Phenol-d6	6.78	99	13883	6.95	ng	0.00
7) Nitrobenzene-d5	8.73	82	8419	3.88	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	2348	6.63	ng	-0.02
14) 2-Fluorobiphenyl	12.83	172	20866	3.86	ng	0.00
27) Terphenyl-d14	19.57	244	28600	4.05	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	3879	3.88	ng	94
3) n-Nitrosodimethylamine	3.50	42	5210	3.63	ng	# 95
8) Nitrobenzene	8.77	77	8396	3.75	ng	97
9) Naphthalene	10.40	128	27029	3.42	ng	97
10) Hexachlorobutadiene	10.69	225	3512	3.32	ng	99
11) 2-Methylnaphthalene	12.01	142	18046	3.69	ng	98
15) Acenaphthylene	13.92	152	118054	3.62	ng	100
16) Acenaphthene	14.27	154	16866	3.58	ng	96
17) Fluorene	15.26	166	21924	3.83	ng	98
19) 4-Bromophenyl-phenylether	16.16	248	5790	3.94	ng	99
20) Hexachlorobenzene	16.27	284	20749	3.73	ng	97
21) Pentachlorophenol	16.61	266	3804	7.88	ng	# 77
22) Phenanthrene	17.00	178	33370	3.75	ng	99
23) Anthracene	17.08	178	32398	4.07	ng	99
24) Fluoranthene	18.99	202	38050	4.25	ng	100
26) Pyrene	19.35	202	40081	3.93	ng	99
28) Benzo(a)anthracene	21.09	228	30961	4.31	ng	97
29) Chrysene	21.14	228	35946	4.20	ng	98
30) Bis(2-ethylhexyl)phthalate	21.04	149	15682	4.77	ng	96
31) Indeno(1,2,3-cd)pyrene	25.82	276	24537	4.79	ng	# 82
33) Benzo(b)fluoranthene	22.71	252	23999	3.88	ng	# 90
34) Benzo(k)fluoranthene	22.76	252	34894	3.93	ng	# 93
35) Benzo(a)pyrene	23.31	252	23624	4.11	ng	# 87
36) Dibenzo(a,h)anthracene	25.84	278	17696	4.62	ng	# 72
37) Benzo(g,h,i)perylene	26.55	276	25420	4.22	ng	# 87

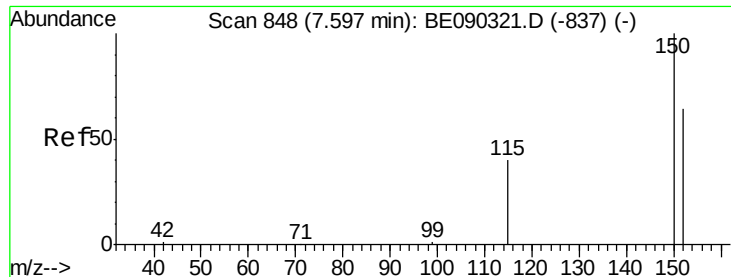
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 847

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

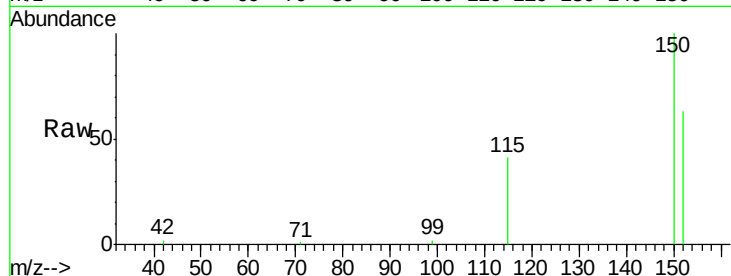
Tot Ion:152 Resp: 8497

Ion Ratio Lower Upper

152 100

150 159.8 124.2 186.2

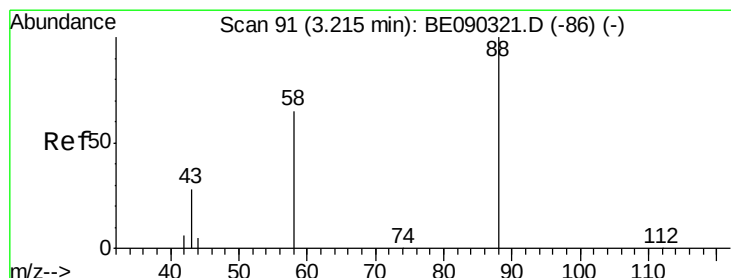
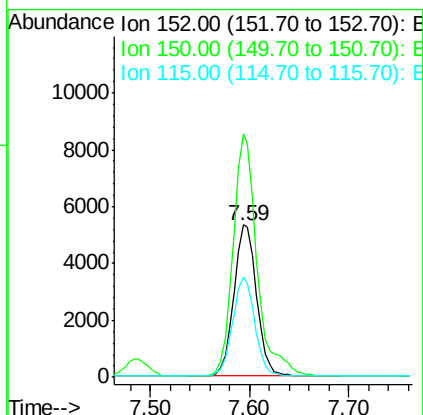
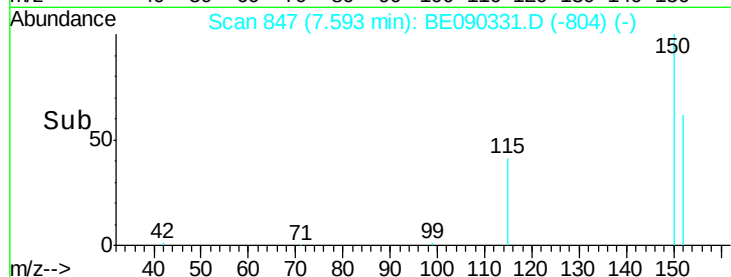
115 65.5 50.4 75.6



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: 3.88 ng

RT: 3.21 min Scan# 90

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

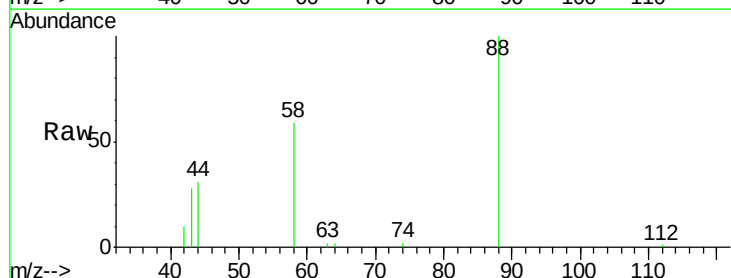
Tgt Ion: 88 Resp: 3879

Ion Ratio Lower Upper

88 100

58 68.7 50.2 75.2

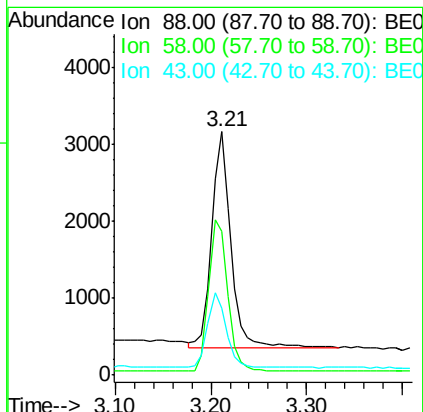
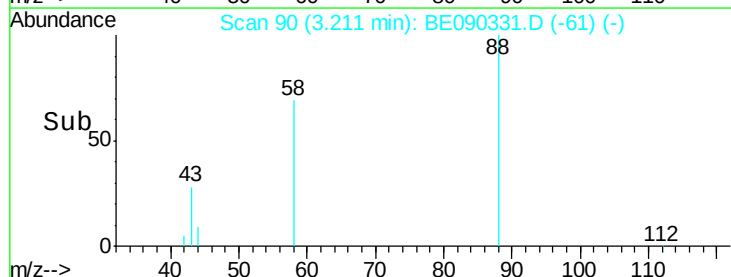
43 32.5 25.0 37.6

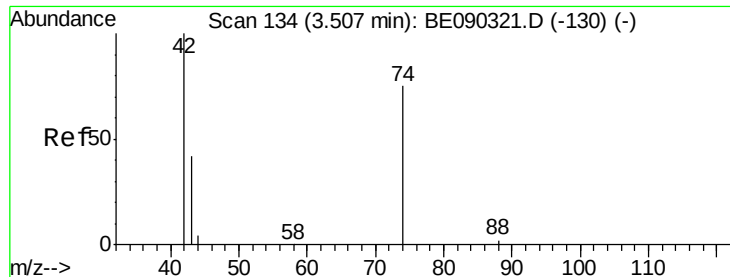


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



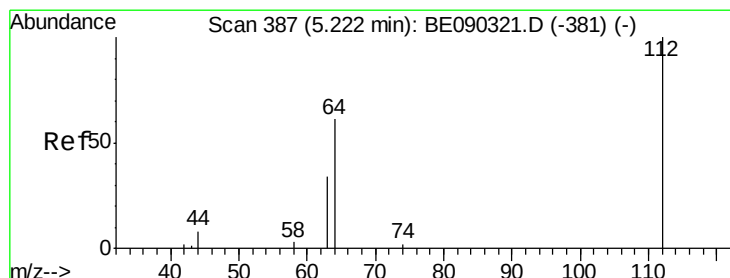
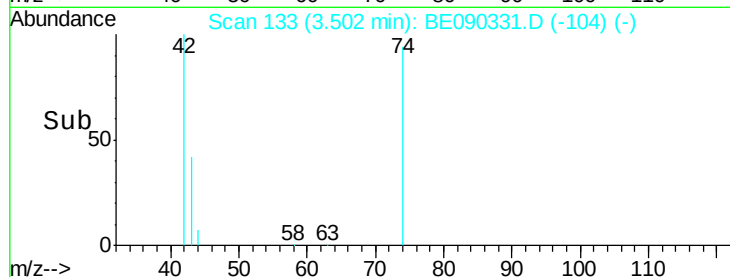
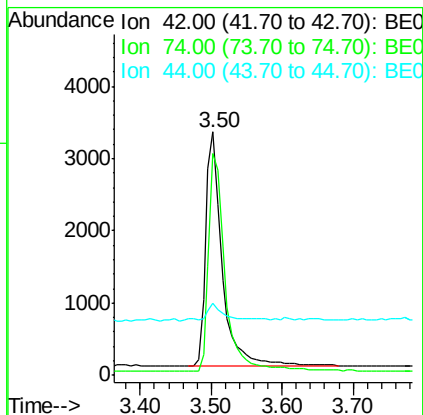
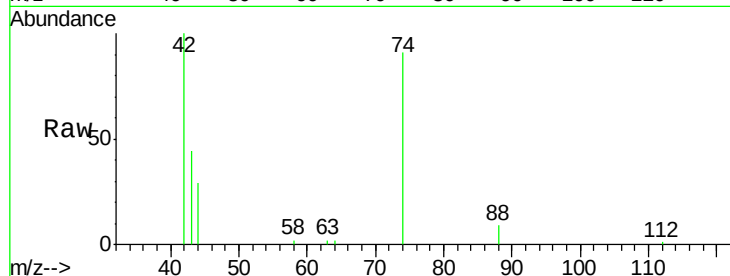


#3

n-Nitrosodimethylamine
 Concen: 3.63 ng
 RT: 3.50 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BS

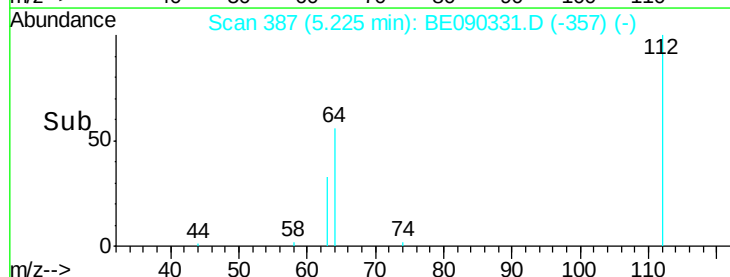
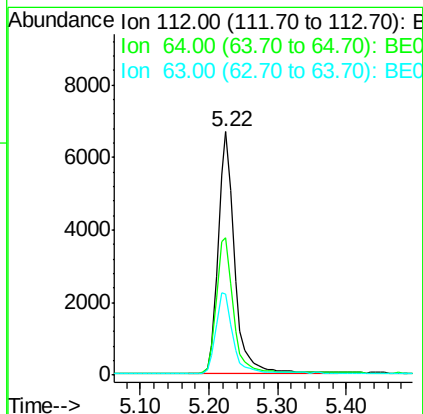
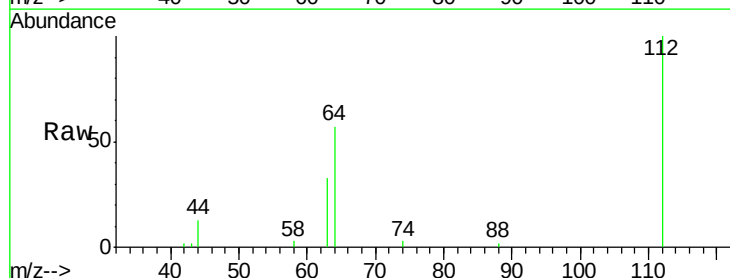
Tot Ion: 42 Resp: 5210
 Ion Ratio Lower Upper
 42 100
 74 95.6 73.2 109.8
 44 8.3 3.8 5.6#

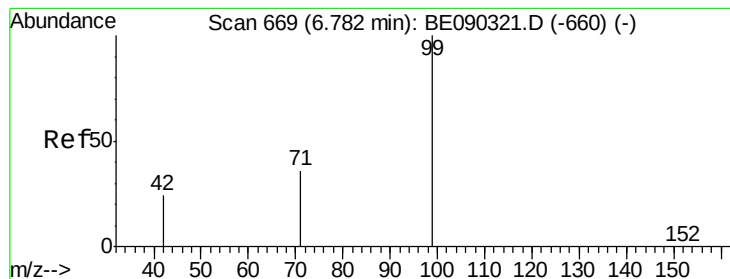


#4

2-Fluorophenol
 Concen: 6.80 ng
 RT: 5.22 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Tgt Ion: 112 Resp: 11042
 Ion Ratio Lower Upper
 112 100
 64 58.5 49.0 73.4
 63 34.5 27.7 41.5





#5

Phenol-d6

Concen: 6.95 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

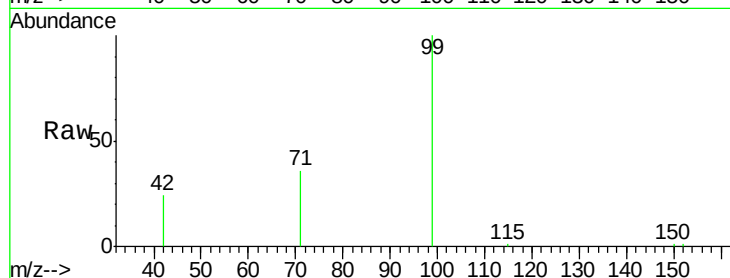
Tot Ion: 99 Resp: 13883

Ion Ratio Lower Upper

99 100

42 25.0 22.2 33.2

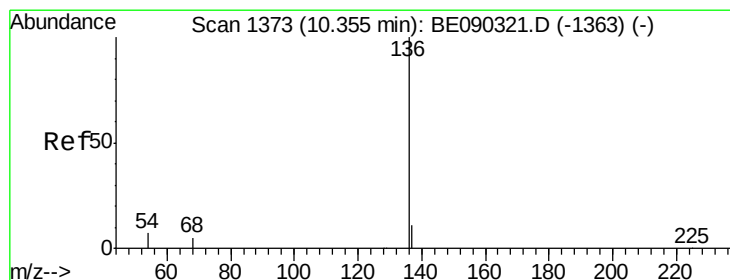
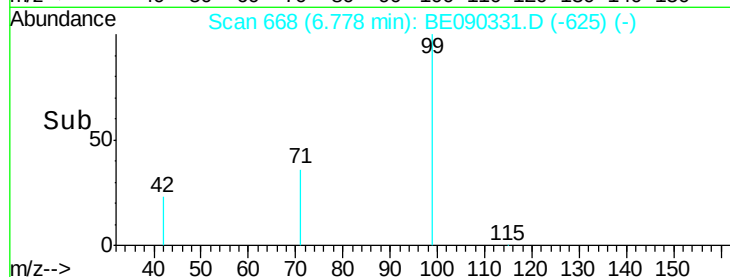
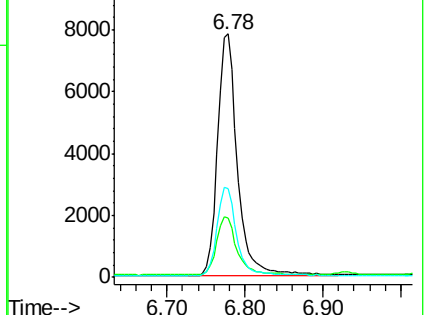
71 36.7 29.2 43.8



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: 10.35 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Tgt Ion: 136 Resp: 36741

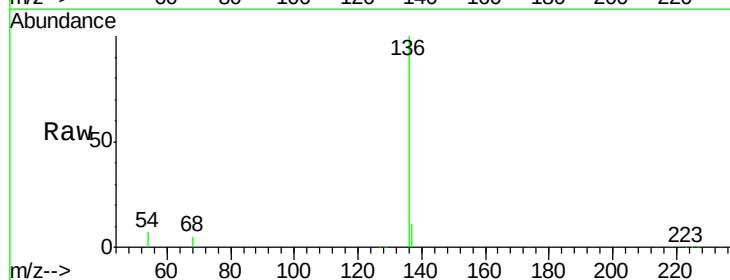
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 6.8 6.0 9.0

68 4.9 3.9 5.9

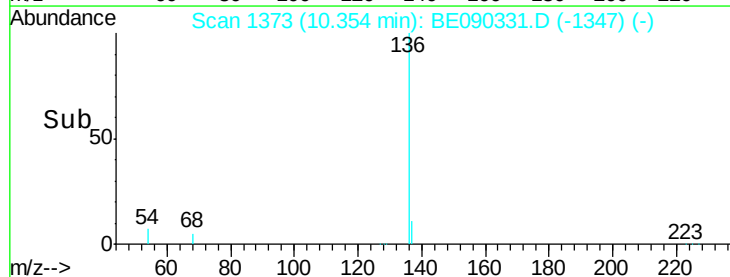
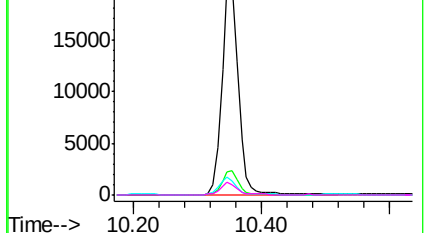


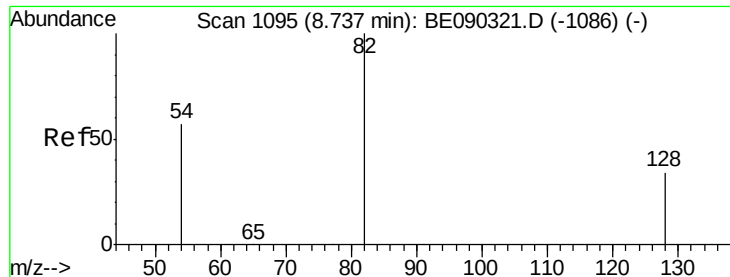
Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.88 ng

RT: 8.73 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

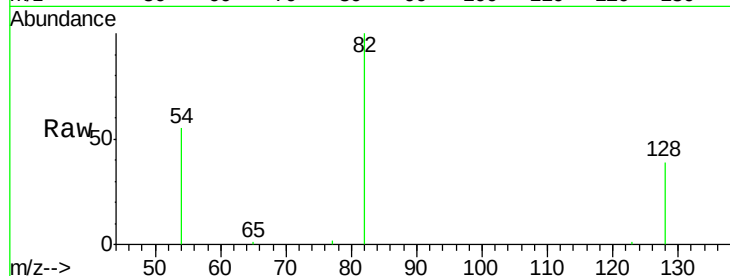
Tot Ion: 82 Resp: 8419

Ion Ratio Lower Upper

82 100

128 39.0 30.8 46.2

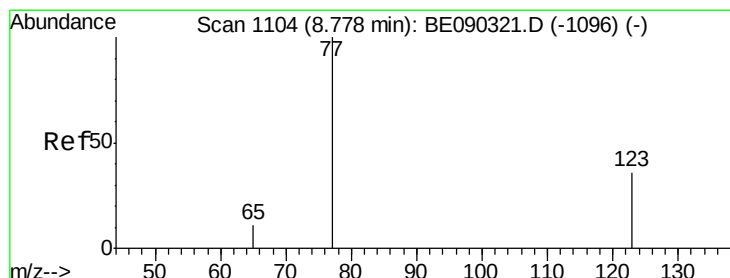
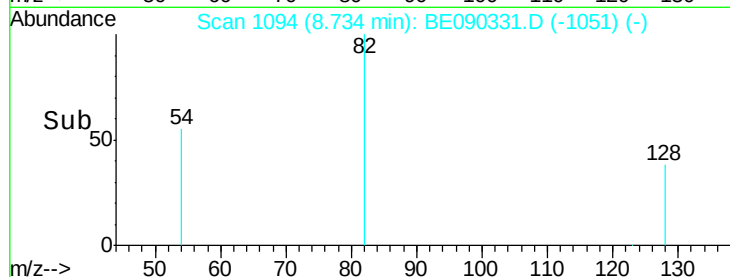
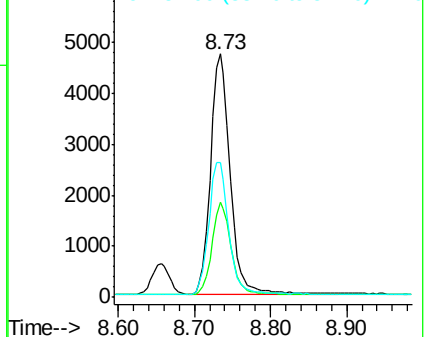
54 55.5 47.5 71.3



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



#8

Nitrobenzene

Concen: 3.75 ng

RT: 8.77 min Scan# 1103

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

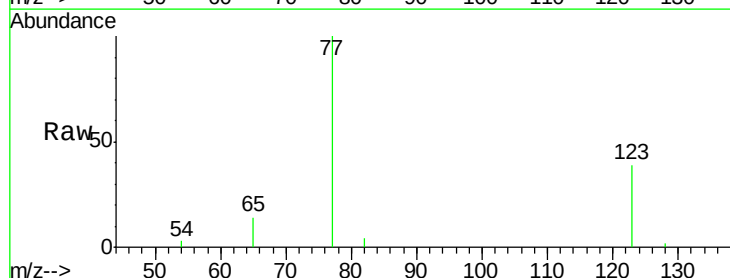
Tgt Ion: 77 Resp: 8396

Ion Ratio Lower Upper

77 100

123 39.6 29.6 44.4

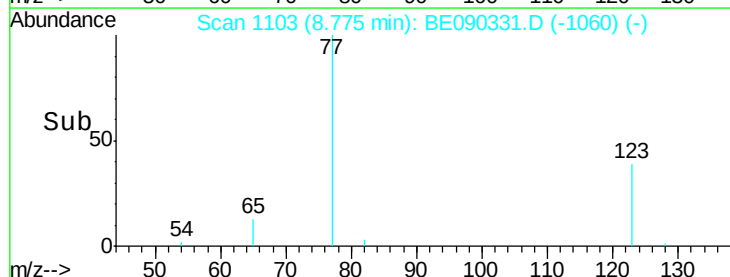
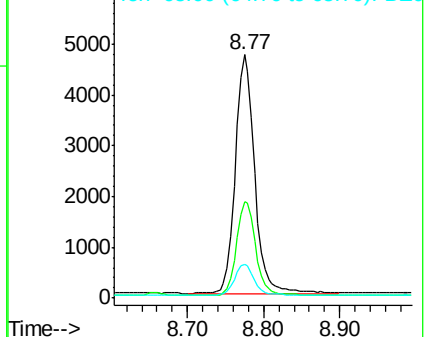
65 13.3 10.4 15.6

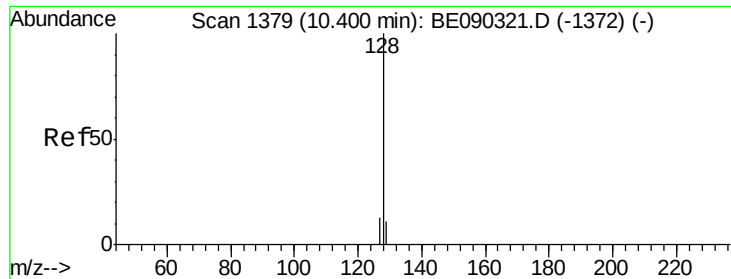


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#9

Naphthalene

Concen: 3.42 ng

RT: 10.40 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

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ClientSampleId :

PB84826BS

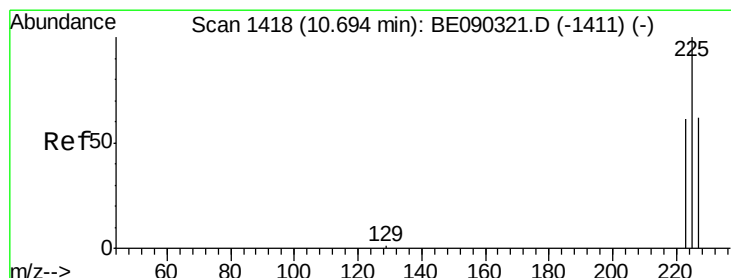
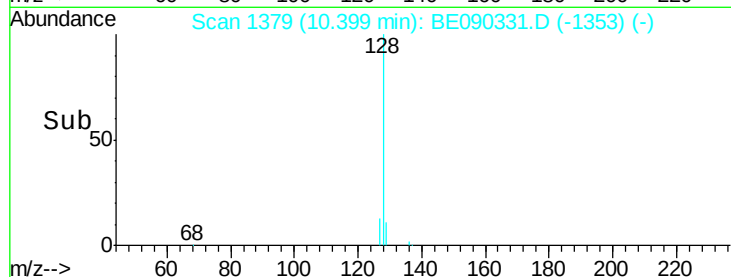
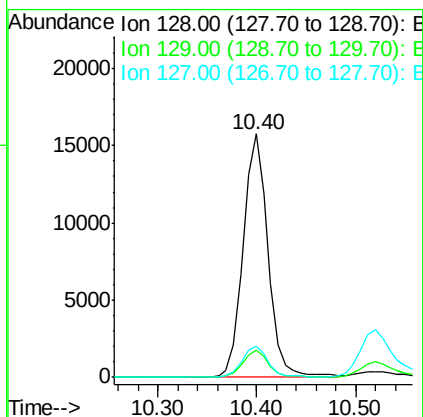
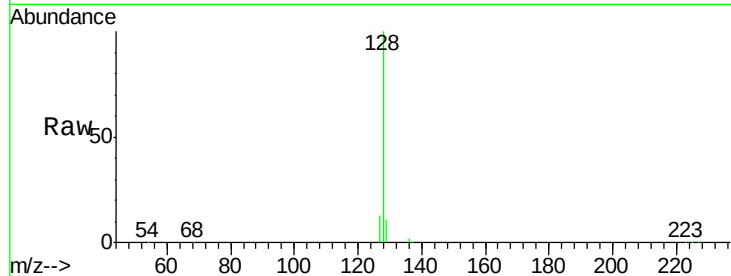
Tot Ion:128 Resp: 27029

Ion Ratio Lower Upper

128 100

129 11.4 10.1 15.1

127 13.0 11.3 16.9



#10

Hexachlorobutadiene

Concen: 3.32 ng

RT: 10.69 min Scan# 1418

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

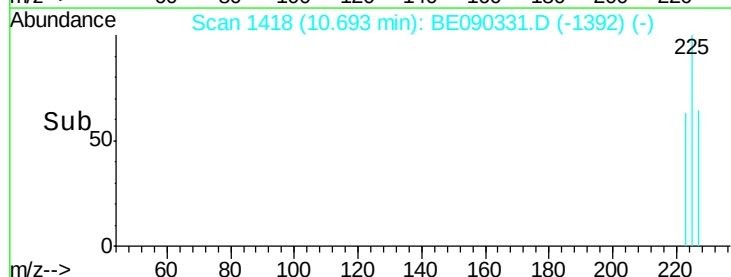
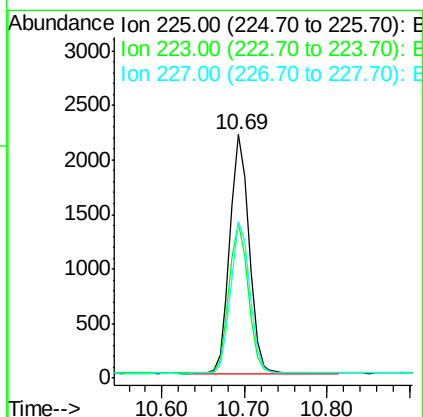
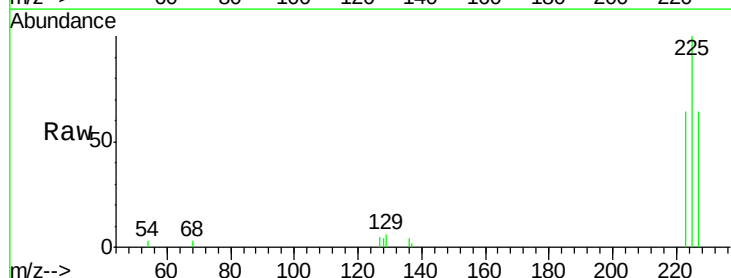
Tgt Ion:225 Resp: 3512

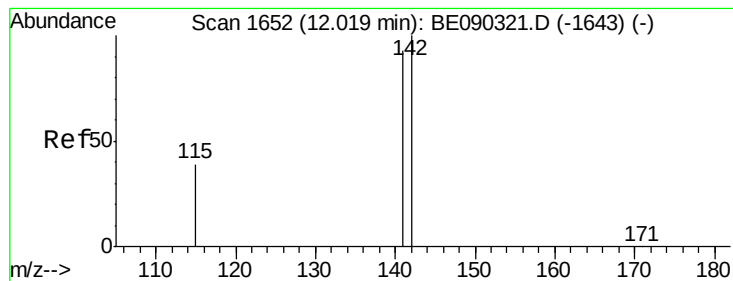
Ion Ratio Lower Upper

225 100

223 62.7 50.4 75.6

227 63.1 49.6 74.4





#11

2-Methylnaphthalene

Concen: 3.69 ng

RT: 12.01 min Scan# 1651

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampled :

PB84826BS

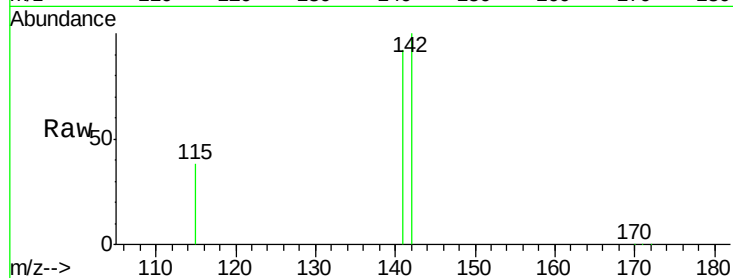
Tot Ion:142 Resp: 18046

Ion Ratio Lower Upper

142 100

141 92.0 74.6 112.0

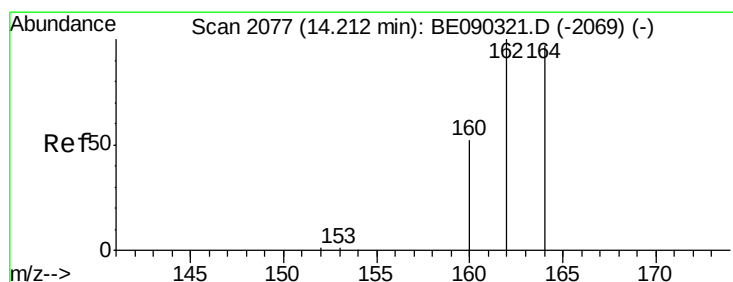
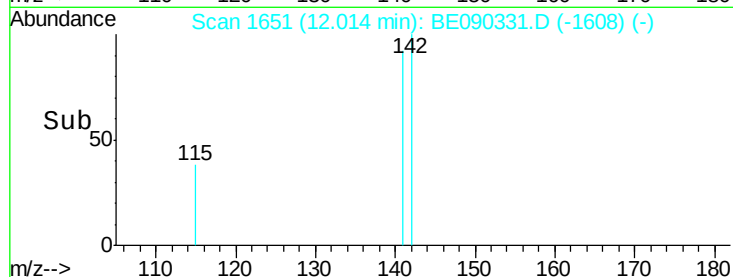
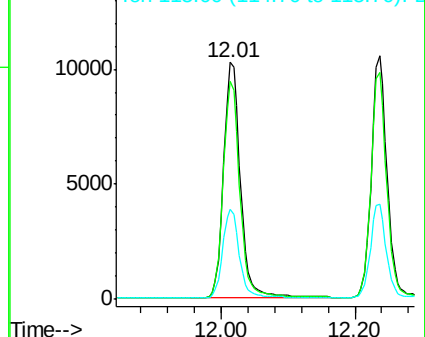
115 38.2 32.6 49.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.21 min Scan# 2076

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

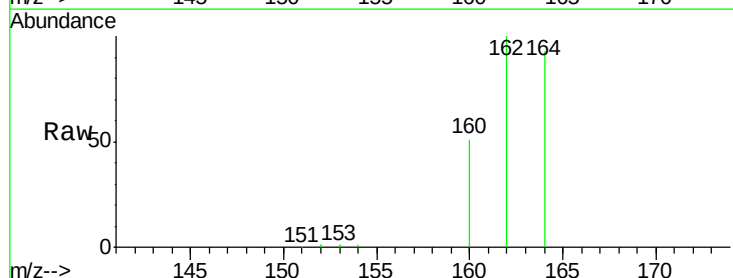
Tgt Ion:164 Resp: 18661

Ion Ratio Lower Upper

164 100

162 107.7 82.7 124.1

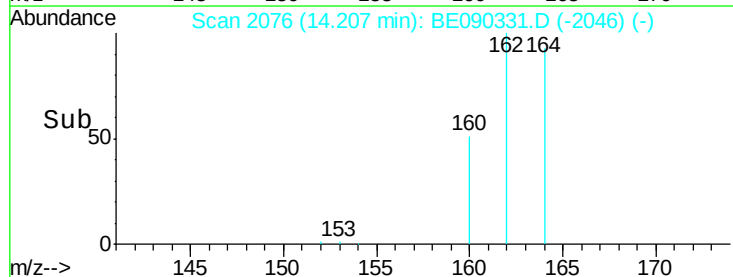
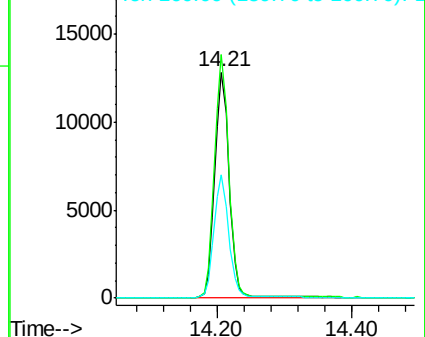
160 54.6 43.0 64.6

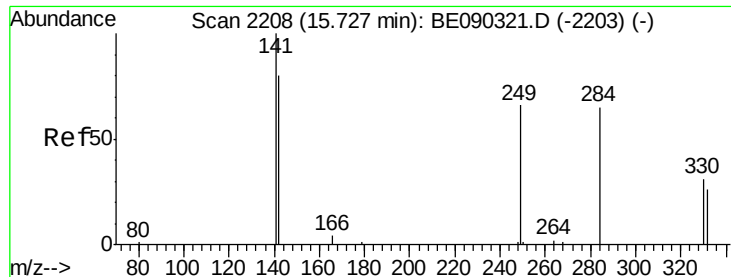


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

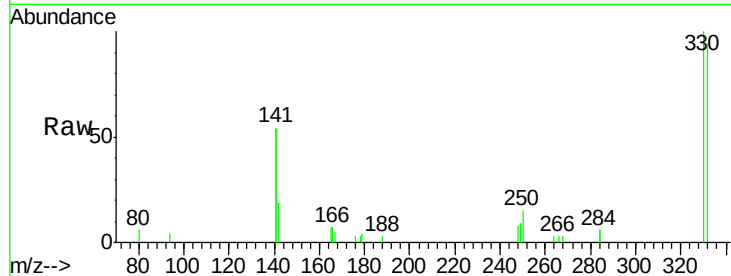




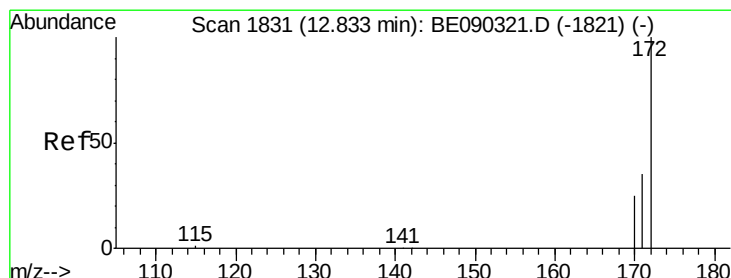
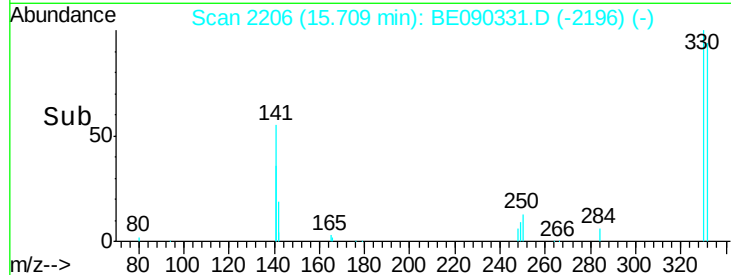
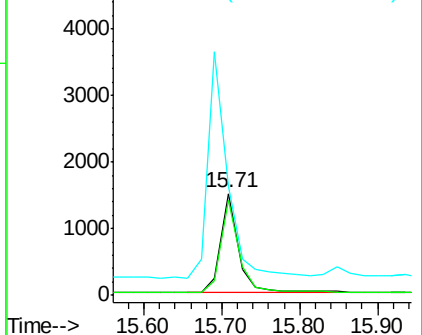
#13
 2,4,6-Tribromophenol
 Concen: 6.63 ng
 RT: 15.71 min Scan# 2206
 Delta R.T. -0.02 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Instrument :
 BNA_E
 ClientSampleID :
 PB84826BS

Tot Ion:330 Resp: 2348
 Ion Ratio Lower Upper
 330 100
 332 95.0 79.4 119.0
 141 253.4 245.9 368.9

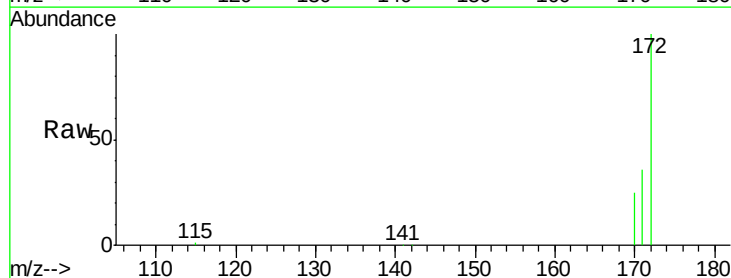


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

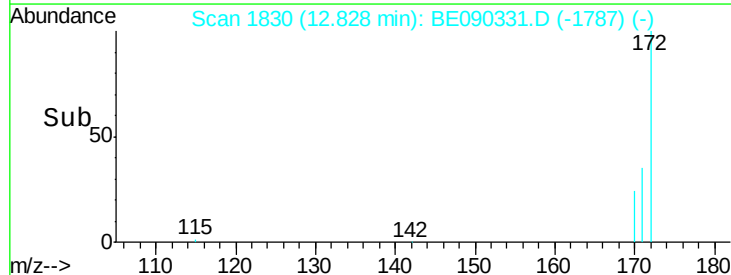
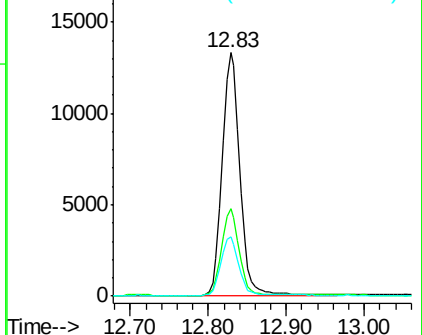


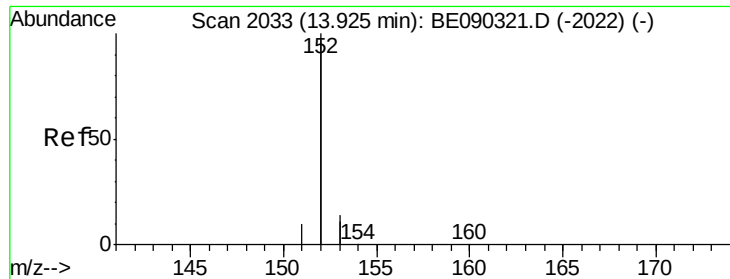
#14
 2-Fluorobiphenyl
 Concen: 3.86 ng
 RT: 12.83 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Tgt Ion:172 Resp: 20866
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.5 44.3
 170 24.6 21.3 31.9



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: 3.62 ng

RT: 13.92 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

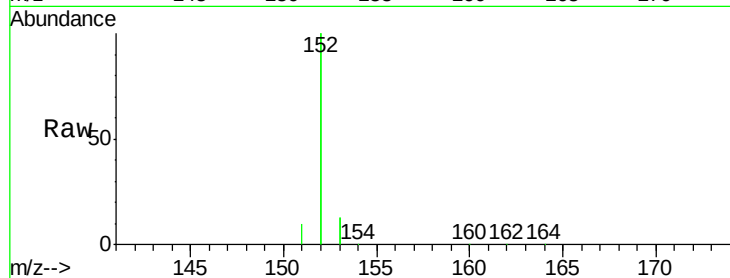
Tot Ion:152 Resp: 118054

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

153 13.0 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

100000

80000

60000

40000

20000

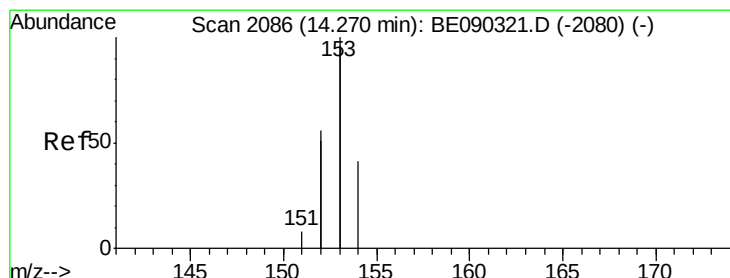
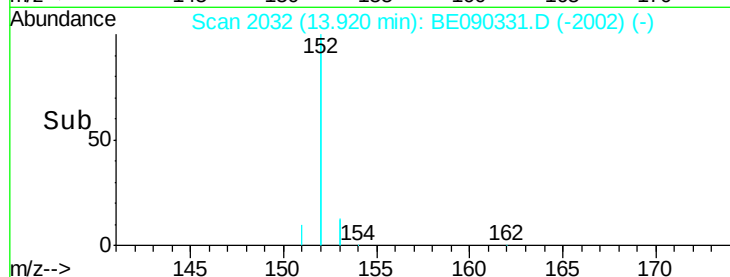
0

13.80

13.92

14.00

Time-->



#16

Acenaphthene

Concen: 3.58 ng

RT: 14.27 min Scan# 2085

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

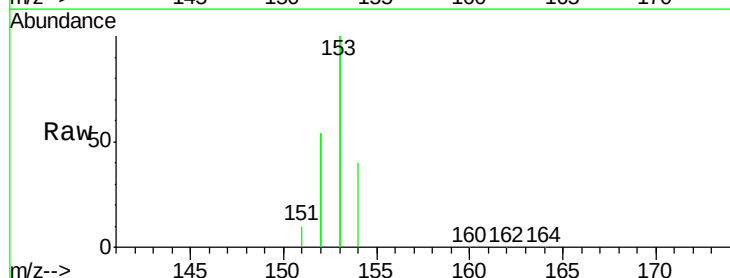
Tgt Ion:154 Resp: 16866

Ion Ratio Lower Upper

154 100

153 479.6 378.0 567.0

152 253.3 212.7 319.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

60000

40000

20000

0

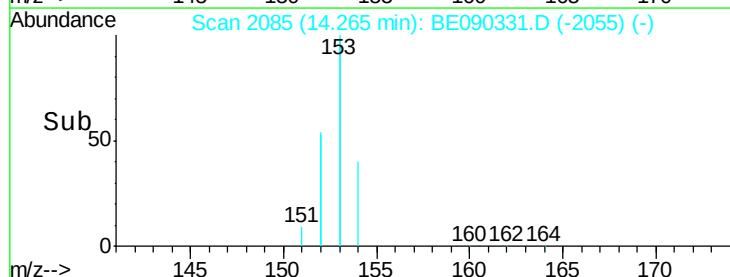
14.20

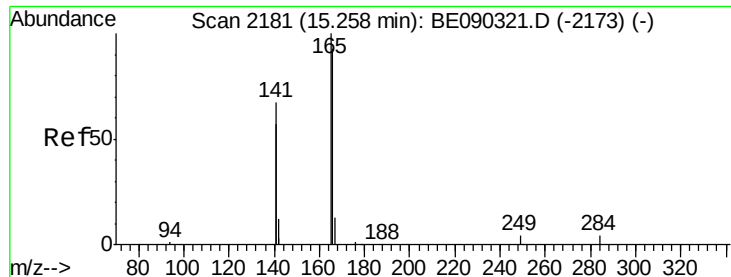
14.25

14.27

14.30

Time-->

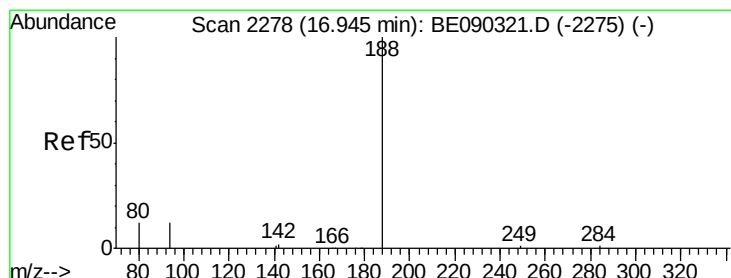
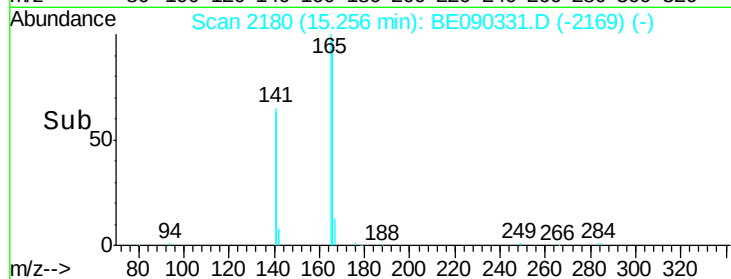
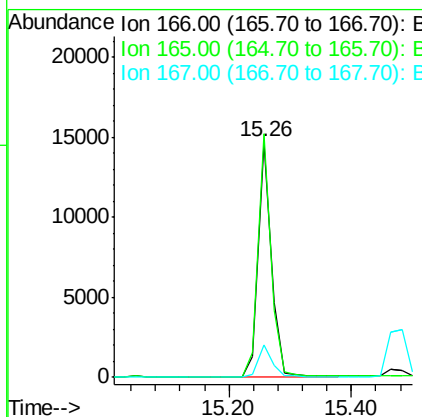
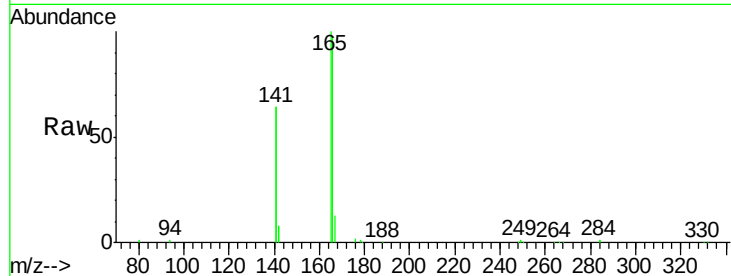




#17
Fluorene
 Concen: 3.83 ng
 RT: 15.26 min Scan# 2180
 Delta R.T. -0.00 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

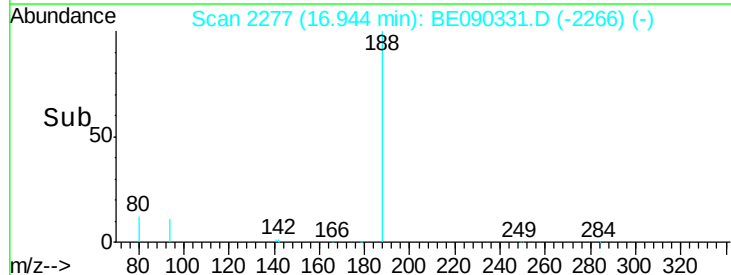
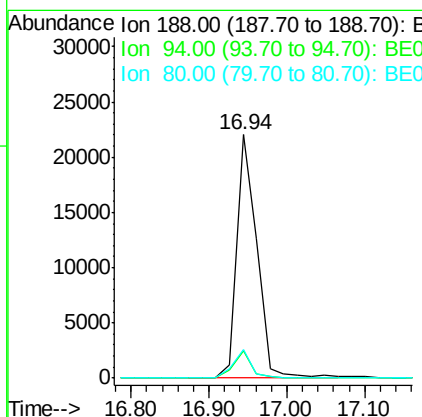
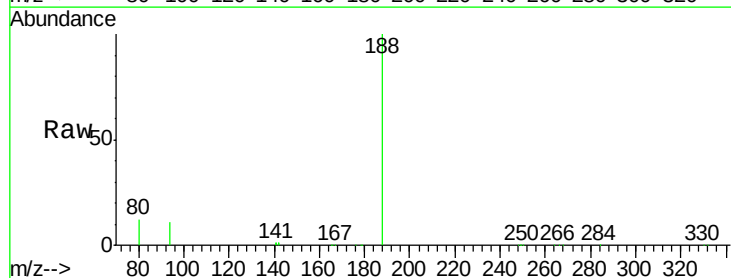
Instrument :
 BNA_E
 ClientSampleId :
 PB84826BS

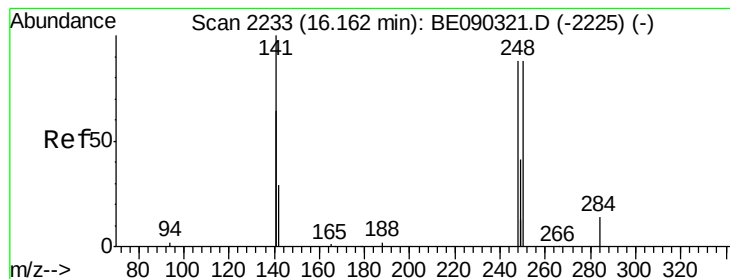
Tot Ion:166 Resp: 21924
 Ion Ratio Lower Upper
 166 100
 165 101.9 82.6 123.8
 167 13.5 11.8 17.8



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Tgt Ion:188 Resp: 39113
 Ion Ratio Lower Upper
 188 100
 94 11.4 9.5 14.3
 80 11.9 10.0 15.0





#19

4-Bromophenyl-phenylether

Concen: 3.94 ng

RT: 16.16 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

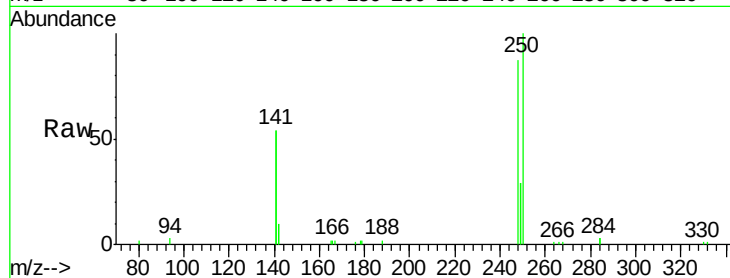
Tot Ion:248 Resp: 5790

Ion Ratio Lower Upper

248 100

250 98.5 74.0 111.0

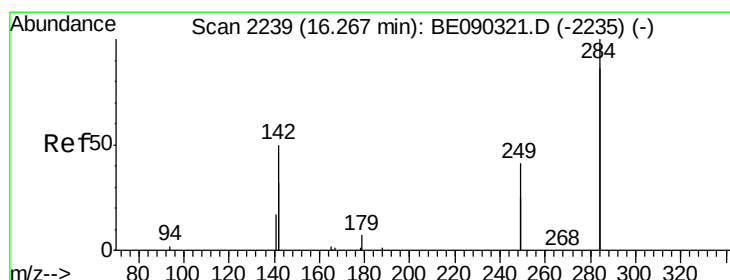
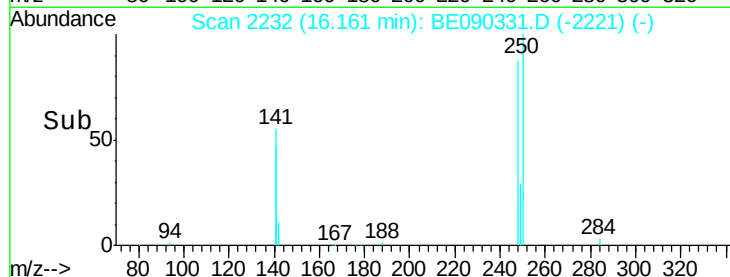
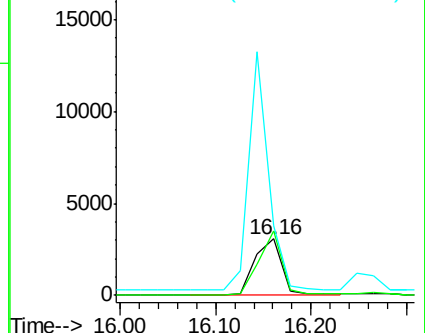
141 323.8 258.9 388.3



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#20

Hexachlorobenzene

Concen: 3.73 ng

RT: 16.27 min Scan# 2238

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

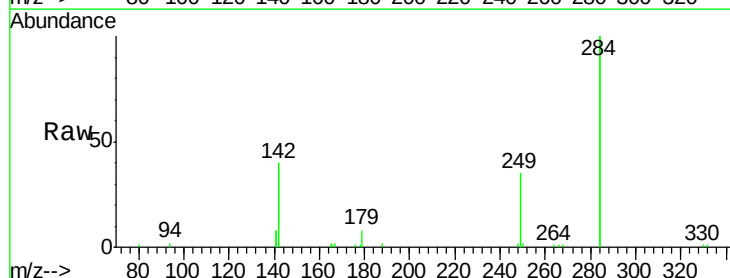
Tgt Ion:284 Resp: 20749

Ion Ratio Lower Upper

284 100

142 52.0 44.2 66.4

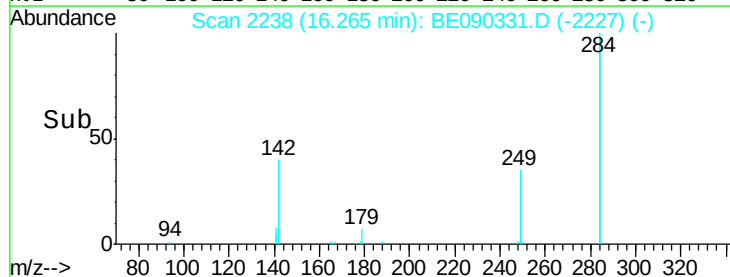
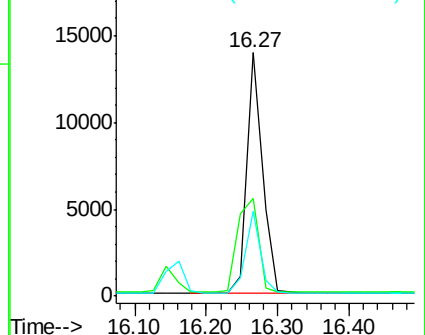
249 32.1 26.4 39.6

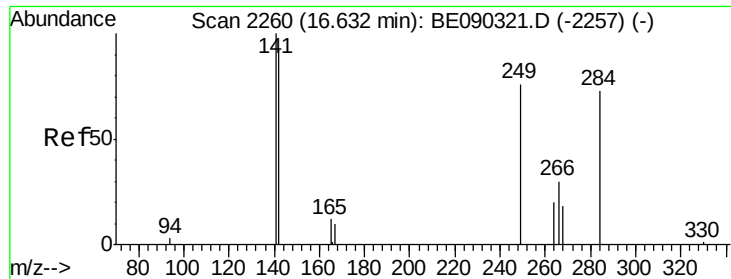


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

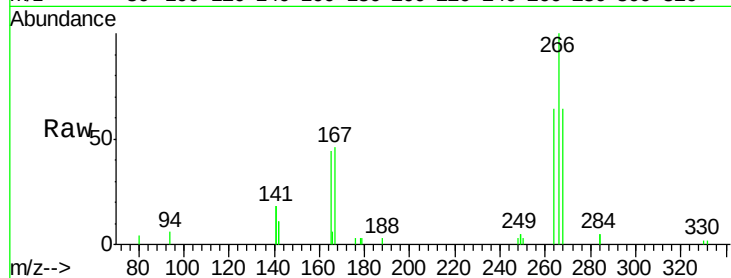




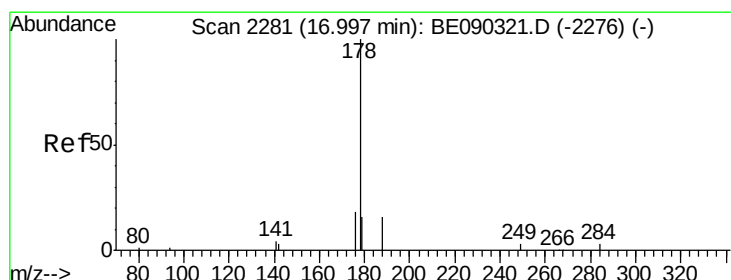
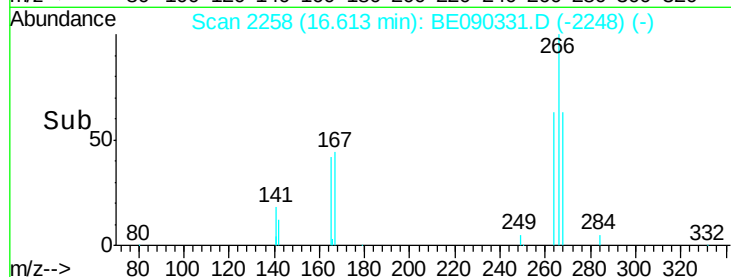
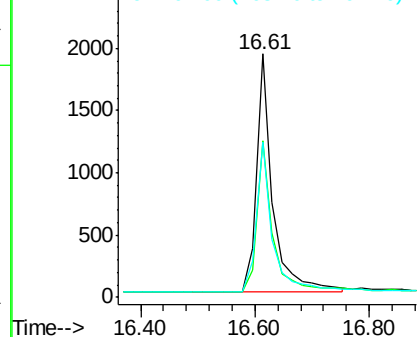
#21
 Pentachlorophenol
 Concen: 7.88 ng
 RT: 16.61 min Scan# 2258
 Delta R.T. -0.02 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Instrument :
 BNA_E
 ClientSampleId :
 PB84826BS

Tot Ion:266 Resp: 3804
 Ion Ratio Lower Upper
 266 100
 268 64.2 66.2 99.2#
 264 64.0 69.1 103.7#

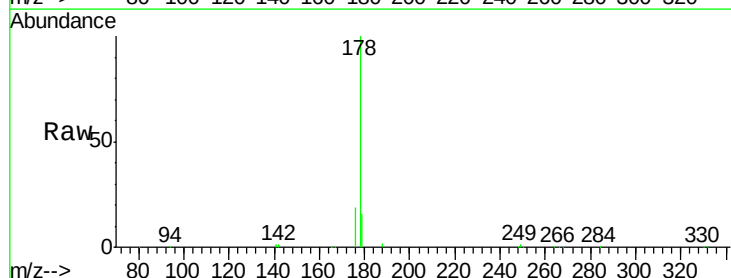


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

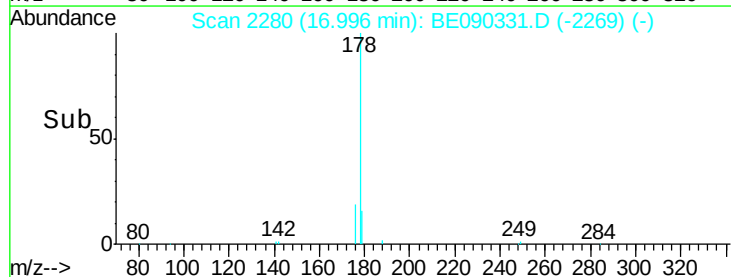
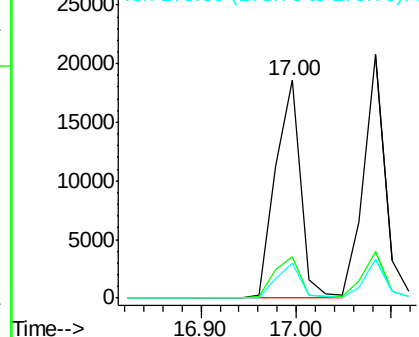


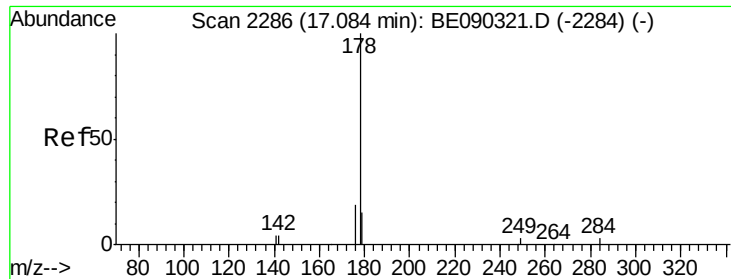
#22
 Phenanthrene
 Concen: 3.75 ng
 RT: 17.00 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Tgt Ion:178 Resp: 33370
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.5 23.3
 179 15.3 12.6 18.8



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





#23

Anthracene

Concen: 4.07 ng

RT: 17.08 min Scan# 2285

Delta R.T. -0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

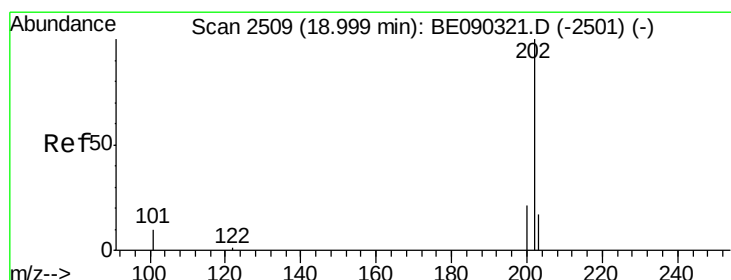
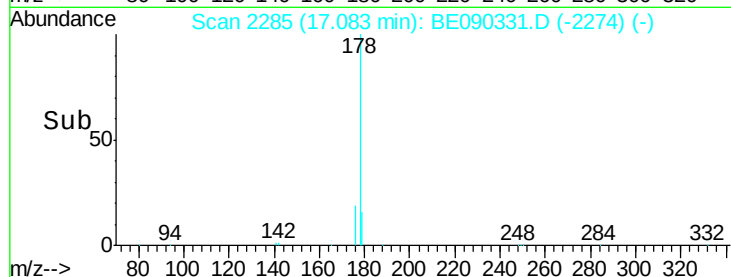
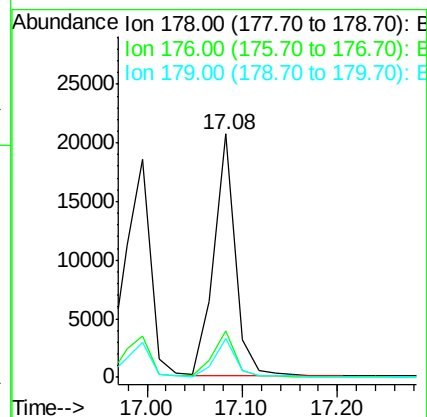
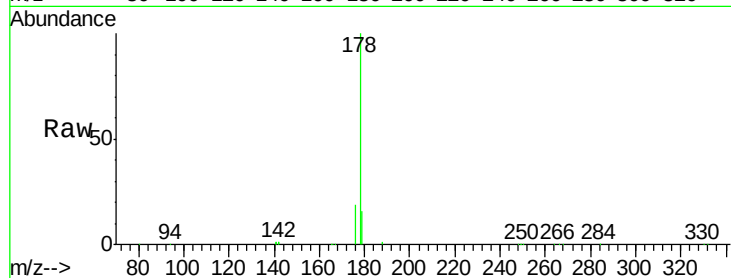
Tot Ion:178 Resp: 32398

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

179 15.4 12.1 18.1



#24

Fluoranthene

Concen: 4.25 ng

RT: 18.99 min Scan# 2507

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

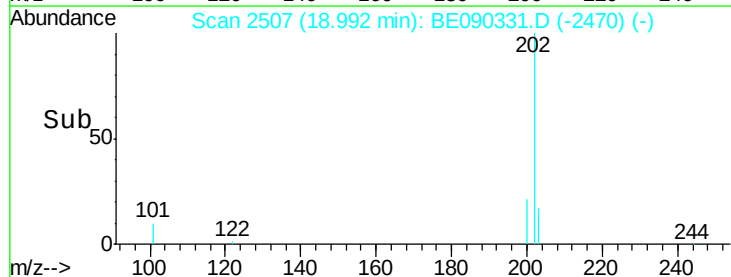
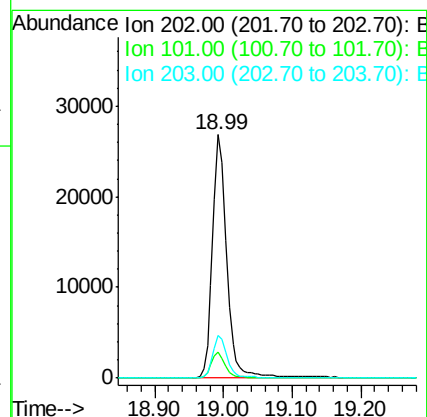
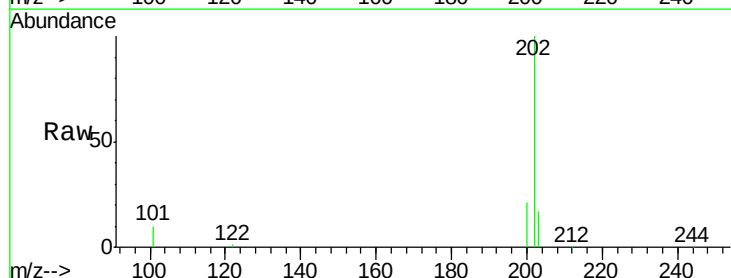
Tgt Ion:202 Resp: 38050

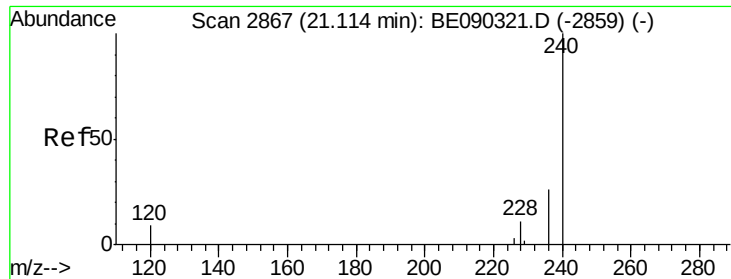
Ion Ratio Lower Upper

202 100

101 10.4 8.3 12.5

203 17.3 13.8 20.8





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.11 min Scan# 2866

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

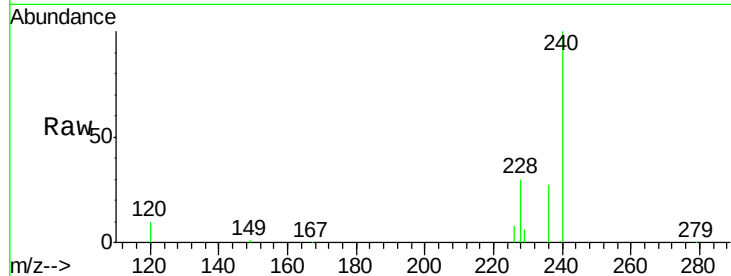
Tot Ion:240 Resp: 37737

Ion Ratio Lower Upper

240 100

120 10.2 7.5 11.3

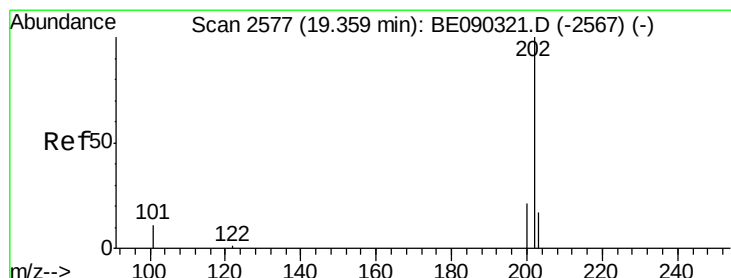
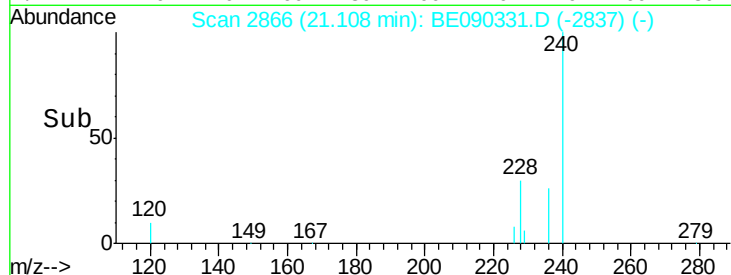
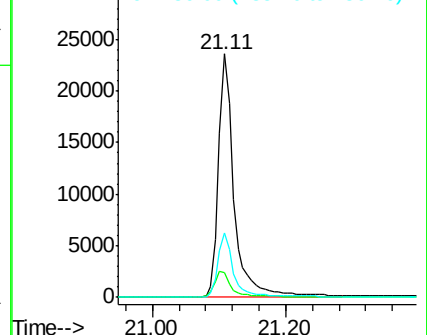
236 26.5 21.0 31.4



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



#26

Pyrene

Concen: 3.93 ng

RT: 19.35 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

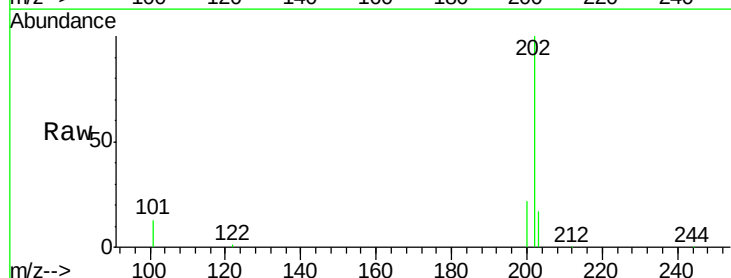
Tgt Ion:202 Resp: 40081

Ion Ratio Lower Upper

202 100

200 21.2 16.6 24.8

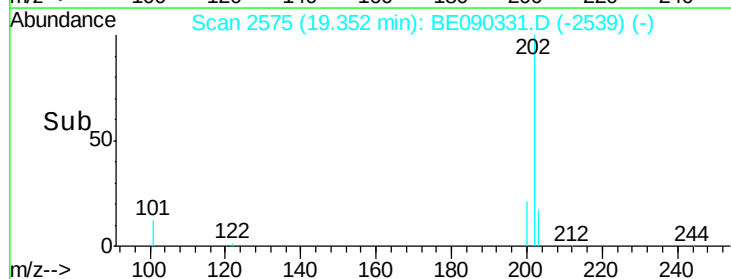
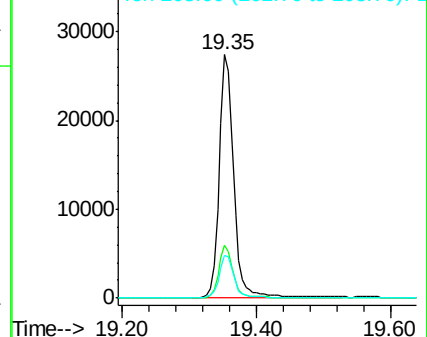
203 17.9 13.8 20.6

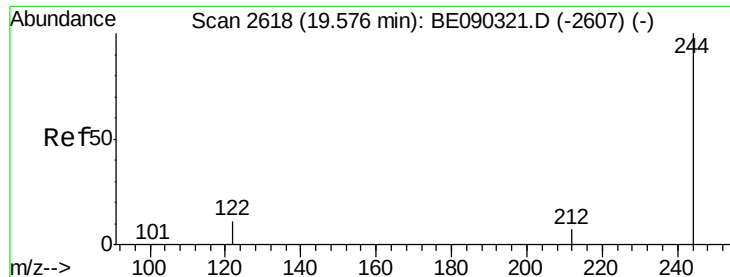


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

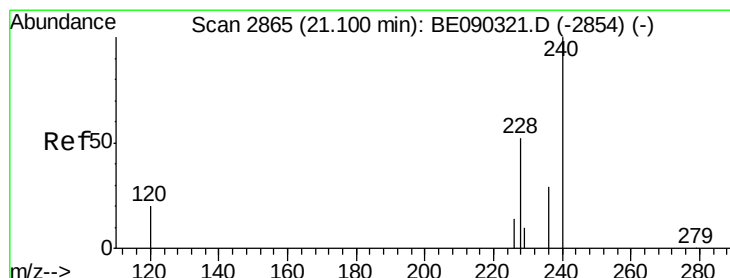
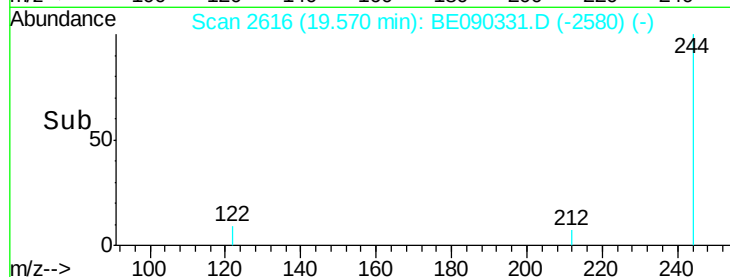
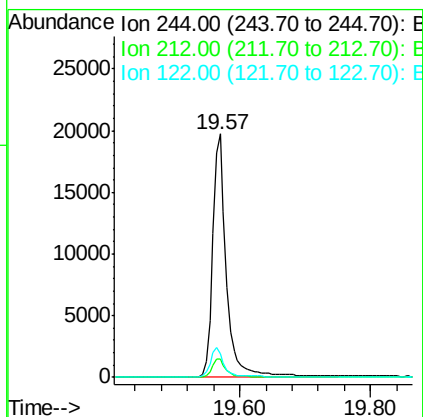
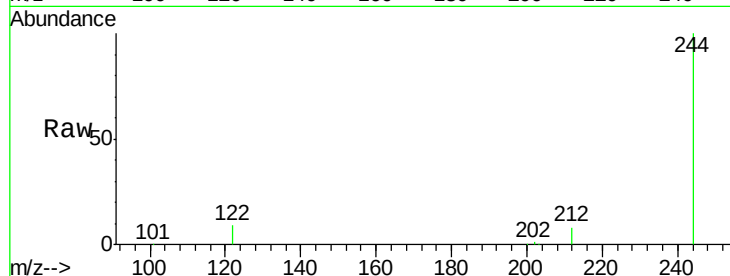




#27
 Terphenyl-d14
 Concen: 4.05 ng
 RT: 19.57 min Scan# 2616
 Delta R.T. -0.01 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

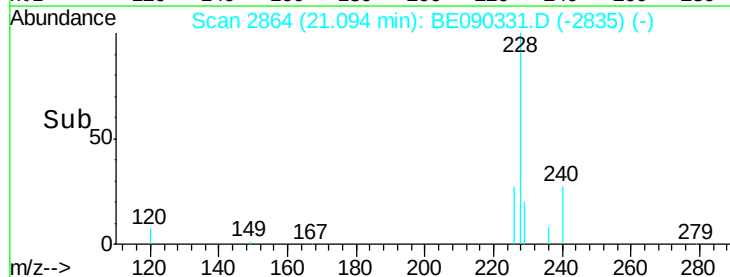
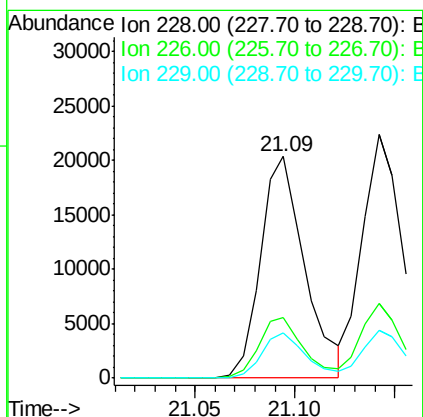
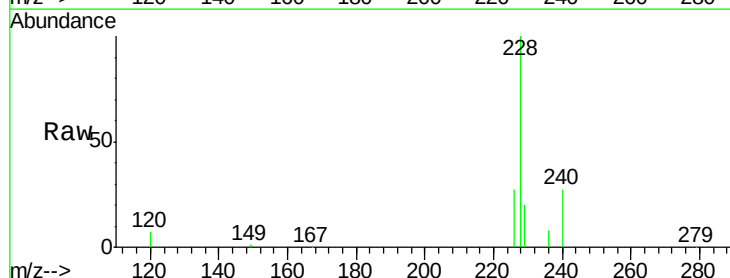
Instrument :
 BNA_E
 ClientSampled :
 PB84826BS

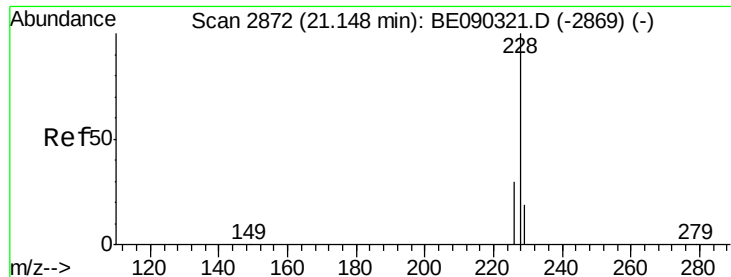
Tot Ion:244 Resp: 28600
 Ion Ratio Lower Upper
 244 100
 212 7.6 7.4 11.2
 122 9.5 10.4 15.6#



#28
 Benzo(a)anthracene
 Concen: 4.31 ng
 RT: 21.09 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Tgt Ion:228 Resp: 30961
 Ion Ratio Lower Upper
 228 100
 226 27.1 23.0 34.4
 229 20.3 17.4 26.2





#29

Chrysene

Concen: 4.20 ng

RT: 21.14 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

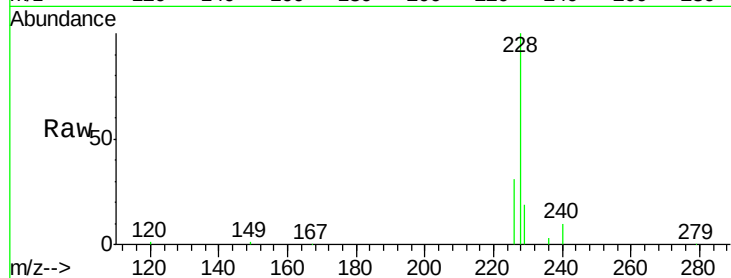
Tot Ion:228 Resp: 35946

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

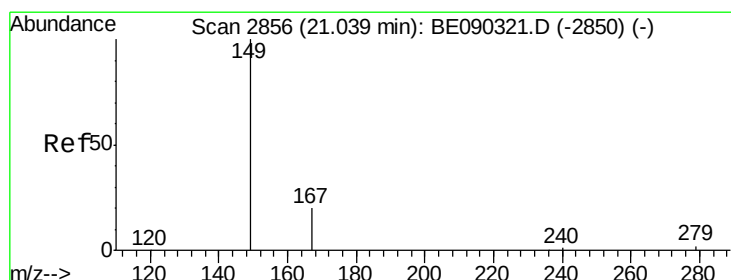
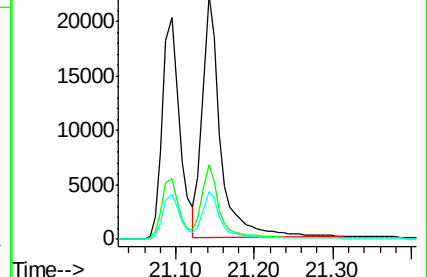
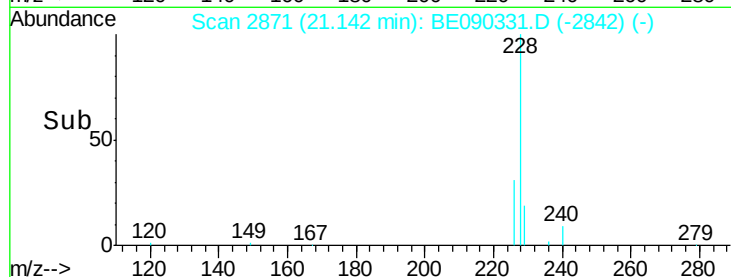
229 19.4 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Bis(2-ethylhexyl)phthalate

Concen: 4.77 ng

RT: 21.04 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

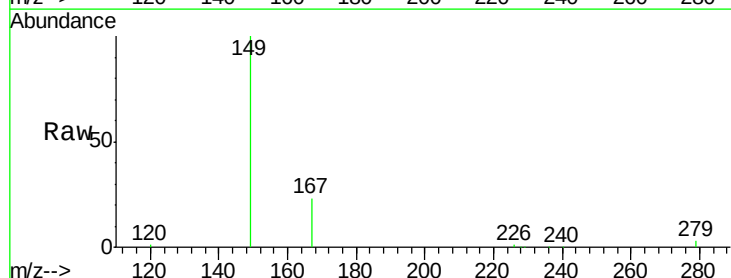
Tgt Ion:149 Resp: 15682

Ion Ratio Lower Upper

149 100

167 22.5 16.6 24.8

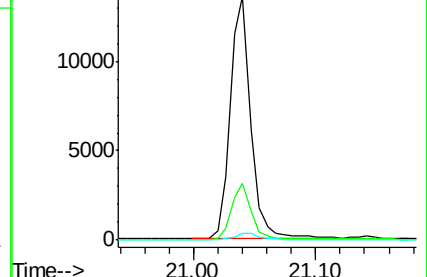
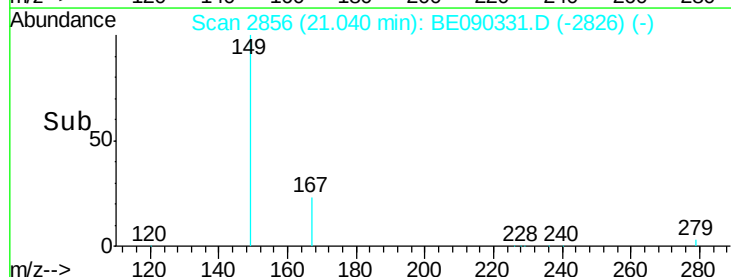
279 2.8 2.7 4.1

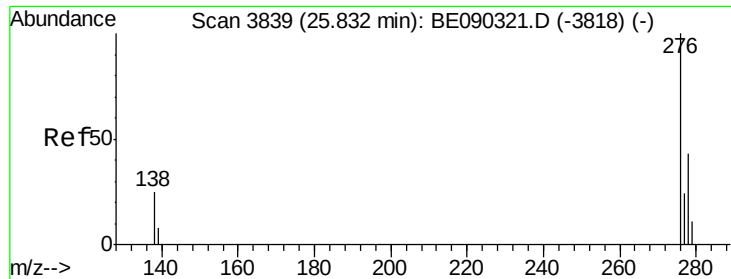


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

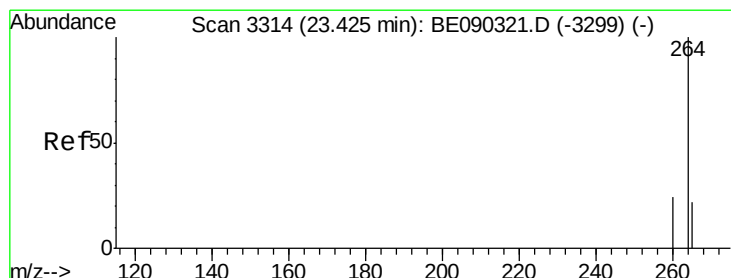
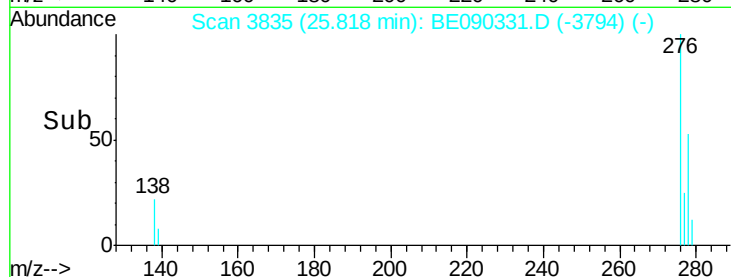
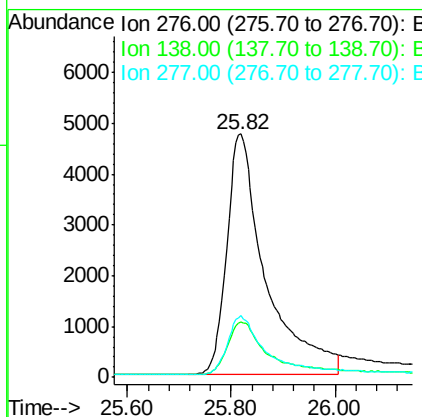
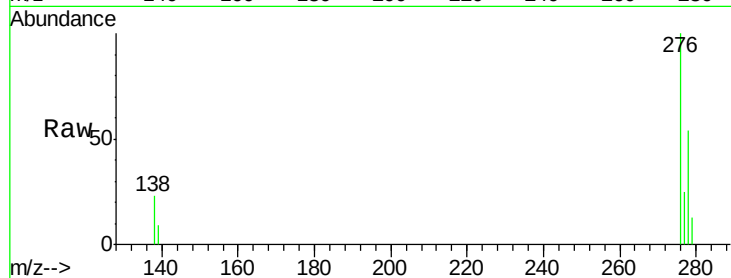




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 4.79 ng
 RT: 25.82 min Scan# 3835
 Delta R.T. -0.01 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

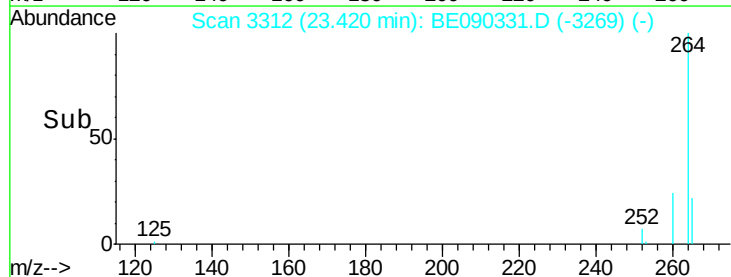
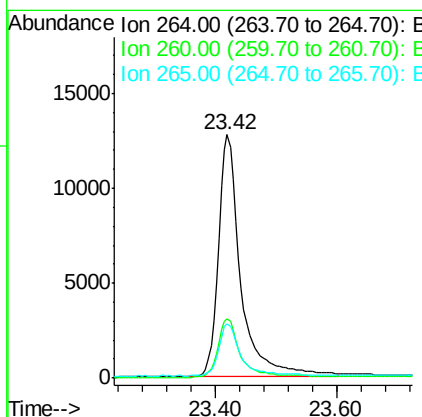
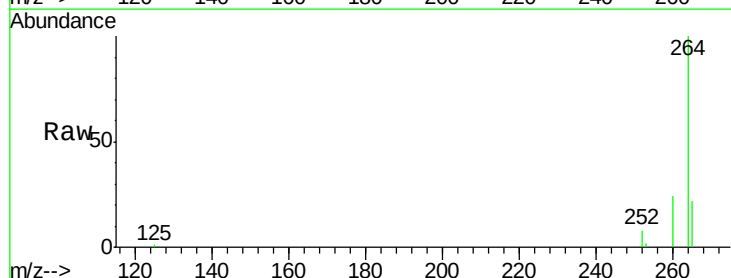
Instrument :
 BNA_E
 ClientSampleId :
 PB84826BS

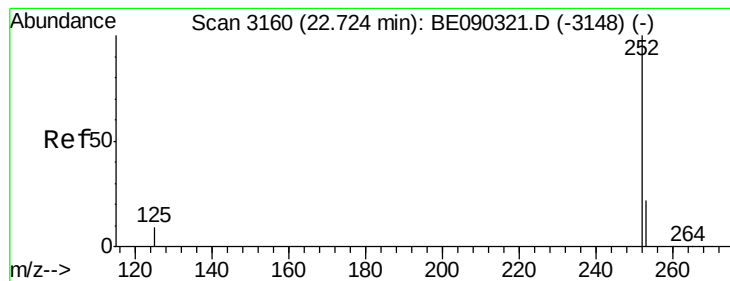
Tot Ion:276 Resp: 24537
 Ion Ratio Lower Upper
 276 100
 138 23.1 10.6 16.0#
 277 24.5 14.6 22.0#



#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.42 min Scan# 3312
 Delta R.T. -0.01 min
 Lab File: BE090331.D
 Acq: 4 Aug 2015 4:26

Tgt Ion:264 Resp: 32709
 Ion Ratio Lower Upper
 264 100
 260 24.2 20.1 30.1
 265 22.3 18.6 28.0





#33

Benzo(b)fluoranthene

Concen: 3.88 ng

RT: 22.71 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

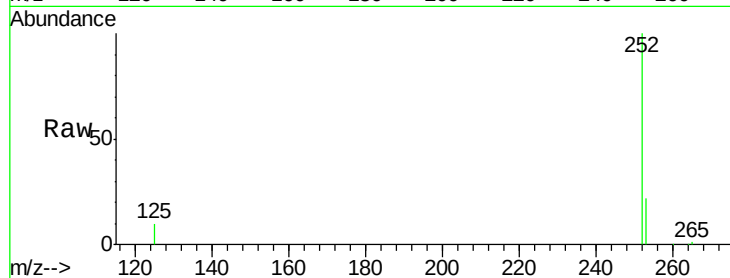
Tot Ion:252 Resp: 23999

Ion Ratio Lower Upper

252 100

253 21.8 21.5 32.3

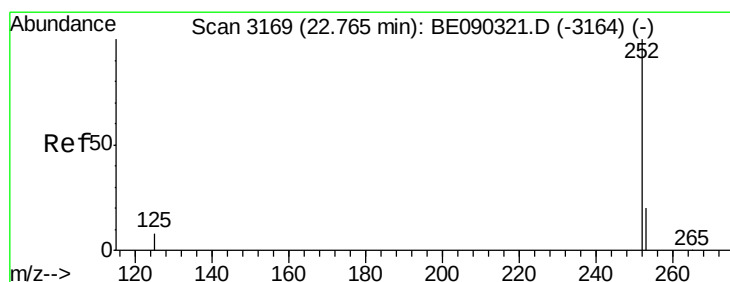
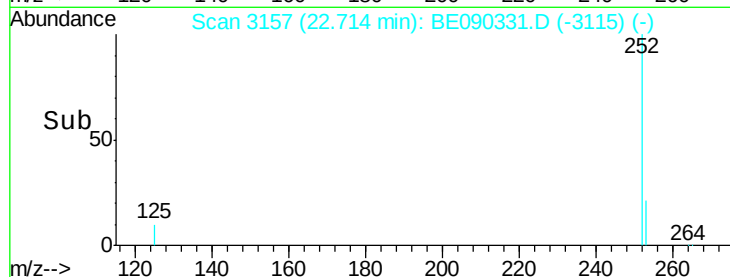
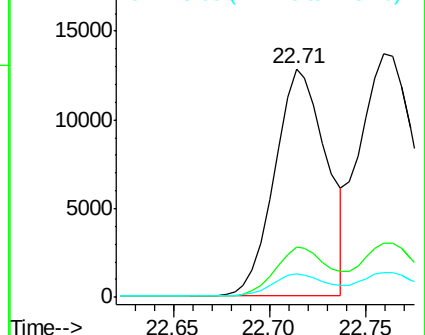
125 10.2 11.8 17.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#34

Benzo(k)fluoranthene

Concen: 3.93 ng

RT: 22.76 min Scan# 3167

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

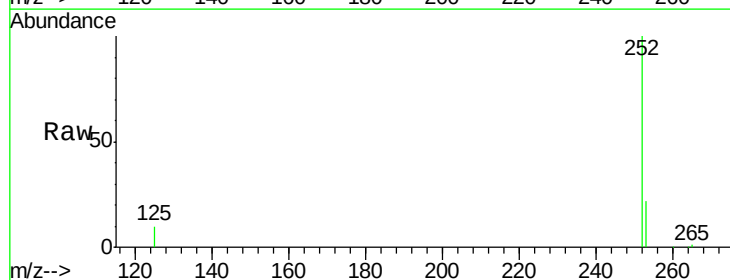
Tgt Ion:252 Resp: 34894

Ion Ratio Lower Upper

252 100

253 22.0 19.9 29.9

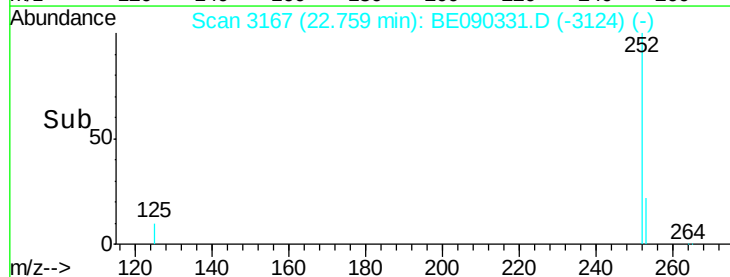
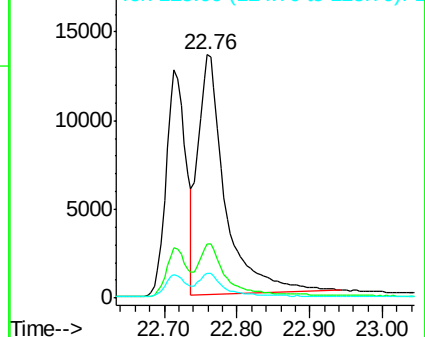
125 10.2 11.2 16.8#

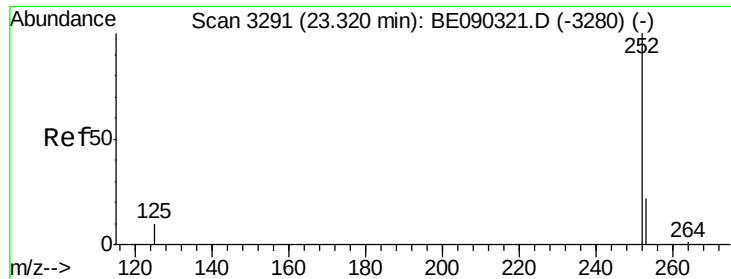


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 4.11 ng

RT: 23.31 min Scan# 3289

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

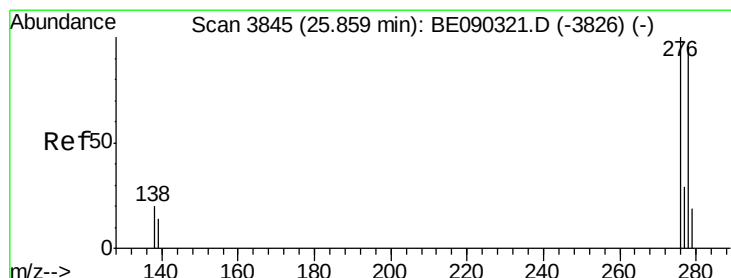
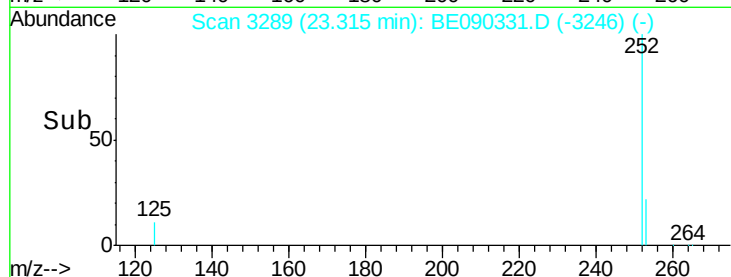
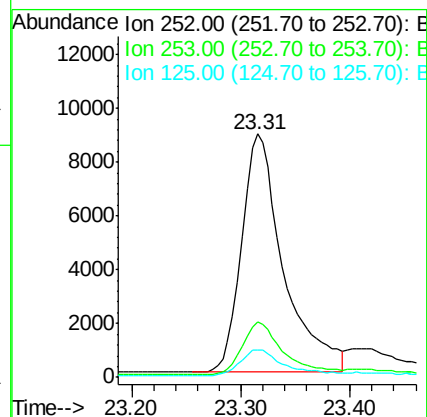
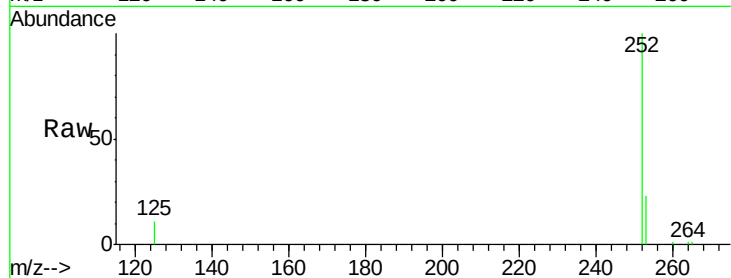
Tot Ion:252 Resp: 23624

Ion Ratio Lower Upper

252 100

253 22.6 23.0 34.4#

125 11.3 14.2 21.2#



#36

Dibenzo(a,h)anthracene

Concen: 4.62 ng

RT: 25.84 min Scan# 3839

Delta R.T. -0.02 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

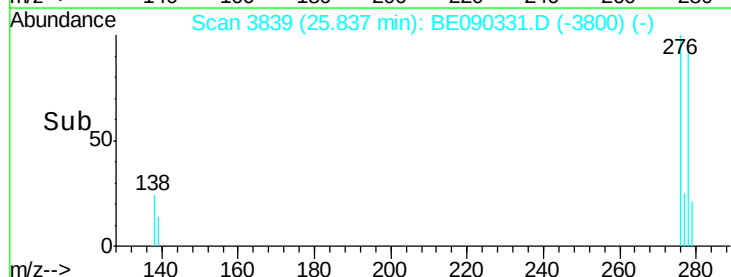
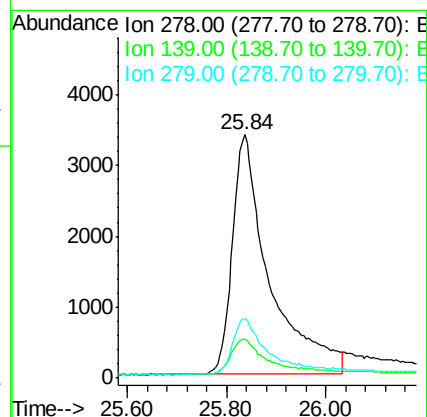
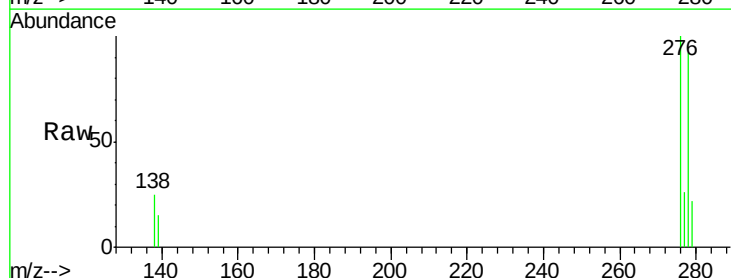
Tgt Ion:278 Resp: 17696

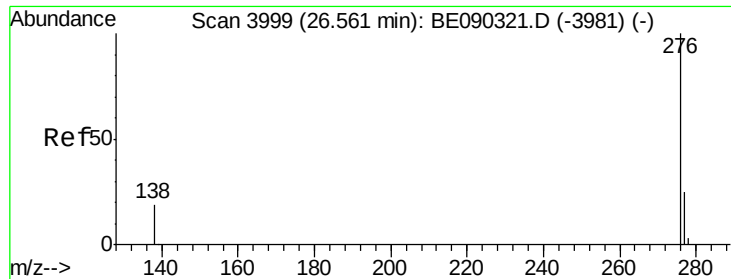
Ion Ratio Lower Upper

278 100

139 16.1 27.8 41.6#

279 24.4 30.9 46.3#





#37

Benzo(a,h,i)perylene

Concen: 4.22 ng

RT: 26.55 min Scan# 3995

Delta R.T. -0.01 min

Lab File: BE090331.D

Acq: 4 Aug 2015 4:26

Instrument :

BNA_E

ClientSampleId :

PB84826BS

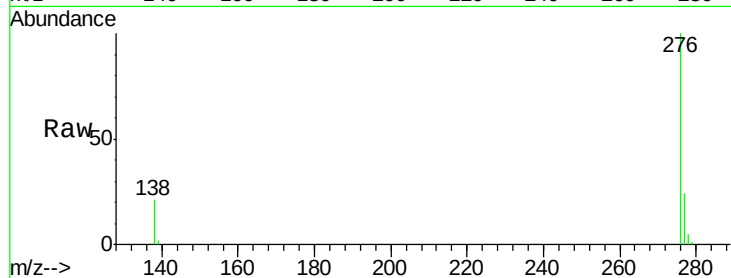
Tot Ion: 276 Resp: 25420

Ion Ratio Lower Upper

276 100

277 24.4 25.6 38.4#

138 21.1 22.0 33.0#



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

