

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090215\
 Data File : BE090706.D
 Acq On : 2 Sep 2015 16:10
 Operator : UM/IZ
 Sample : G3484-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW01-082815

Quant Time: Sep 02 23:05:01 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 23:04:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	36058	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	164895	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	95190	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	264324	5.00	ng	0.00
25) Chrysene-d12	21.07	240	348423	5.00	ng	0.00
32) Perylene-d12	23.36	264	334730	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	24047	3.43	ng	0.00
5) Phenol-d6	6.75	99	19972	1.99	ng	0.00
7) Nitrobenzene-d5	8.71	82	45421	4.17	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	36510	12.97	ng	0.00
14) 2-Fluorobiphenyl	12.79	172	107006	4.06	ng	0.00
27) Terphenyl-d14	19.53	244	238362	6.18	ng	0.00

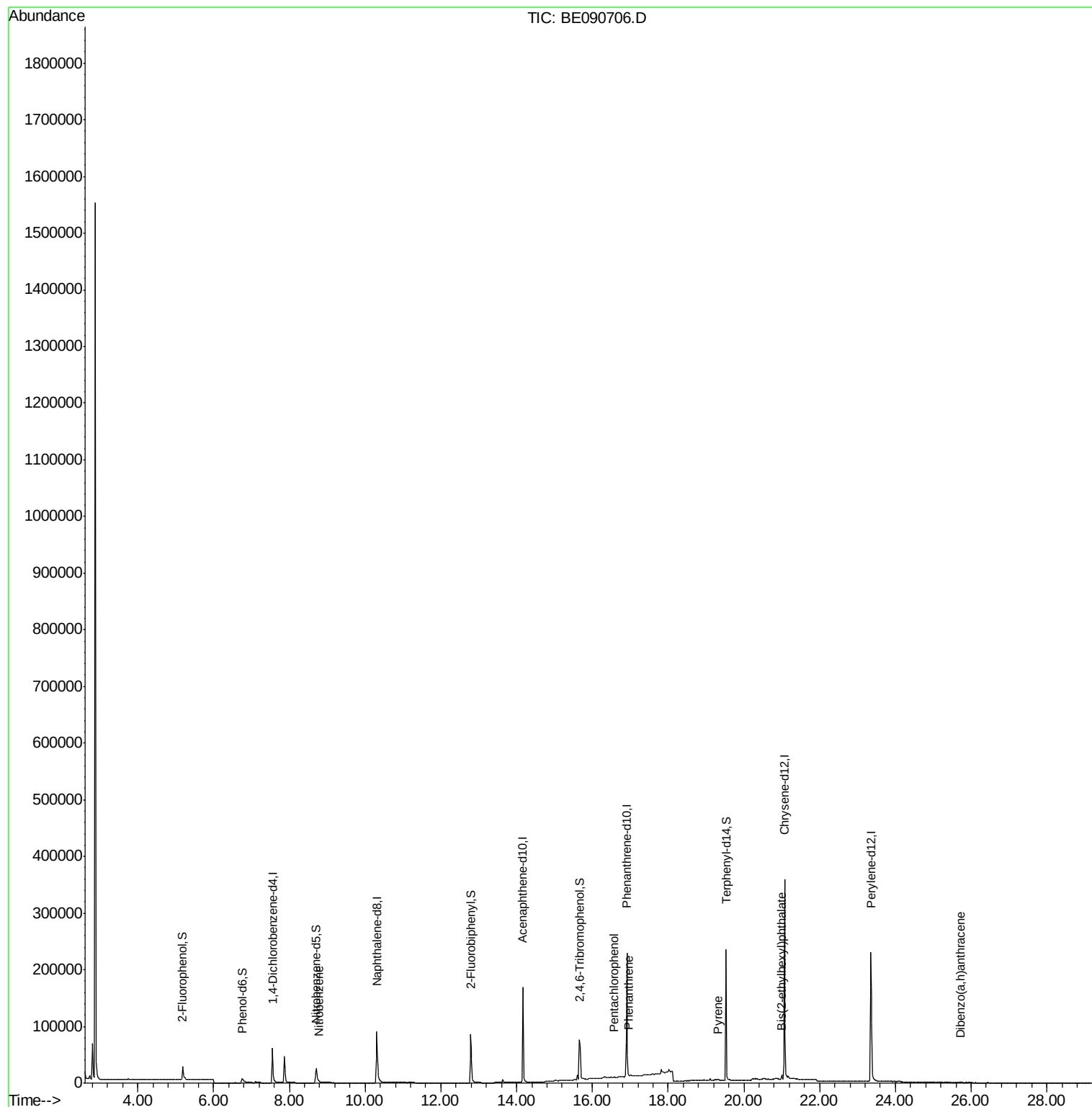
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.24	88	142	Below Cal	#	1
3) n-Nitrosodimethylamine	3.50	42	48	Below Cal	#	45
8) Nitrobenzene	8.78	77	13	0.11	ng	60
20) Hexachlorobenzene	16.23	284	109	Below Cal	#	53
21) Pentachlorophenol	16.58	266	68	0.48	ng	60
22) Phenanthrene	16.94	178	1341	0.02	ng	34
26) Pyrene	19.32	202	2132	0.03	ng	82
29) Chrysene	21.07	228	1274	Below Cal	#	30
30) Bis(2-ethylhexyl)phthalate	21.00	149	6794	0.40	ng	95
36) Dibenzo(a,h)anthracene	25.73	278	68	0.14	ng	1

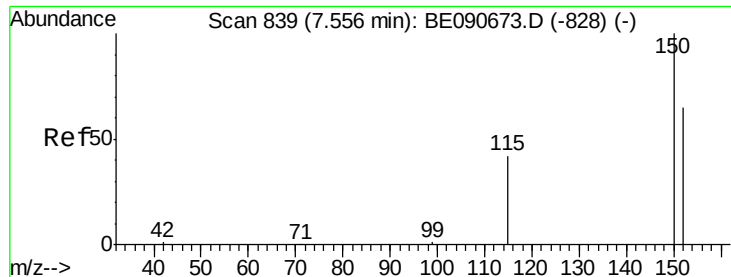
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

MW01-082815

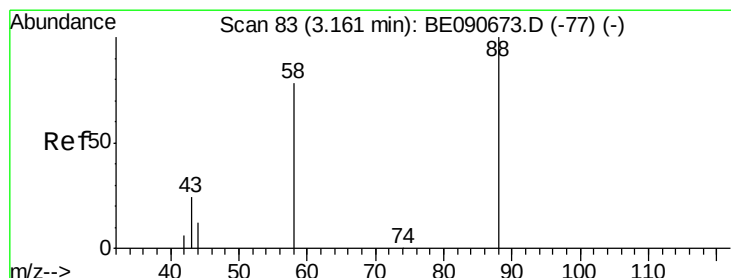
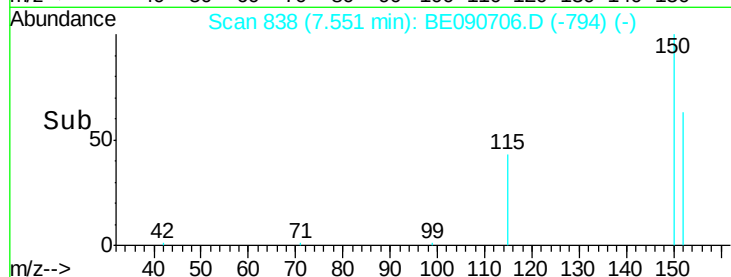
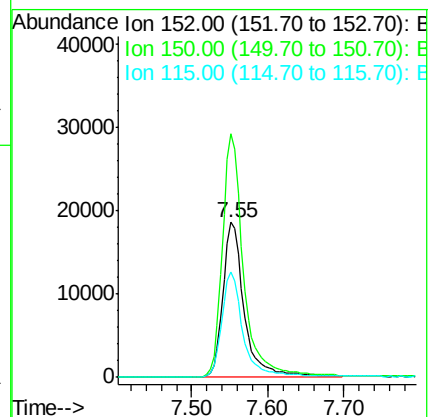
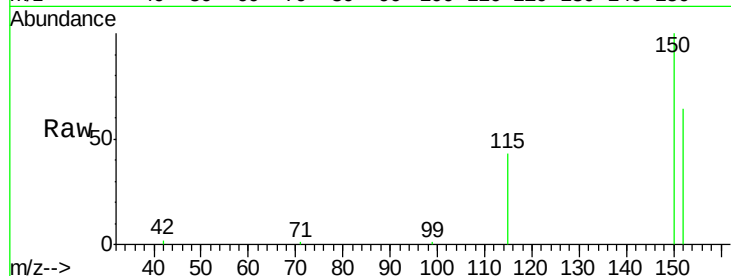
Tgt Ion:152 Resp: 36058

Ion Ratio Lower Upper

152 100

150 157.3 122.2 183.4

115 68.0 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.24 min Scan# 95

Delta R.T. 0.09 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

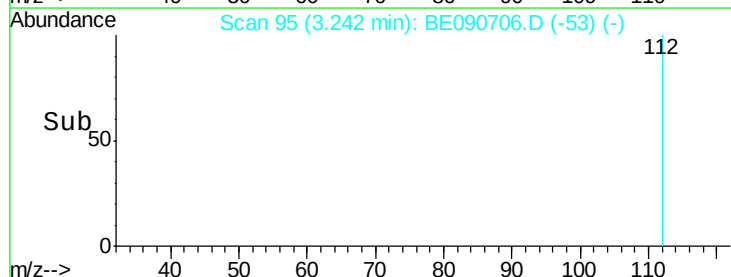
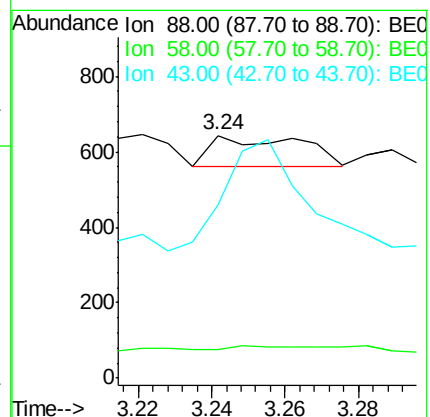
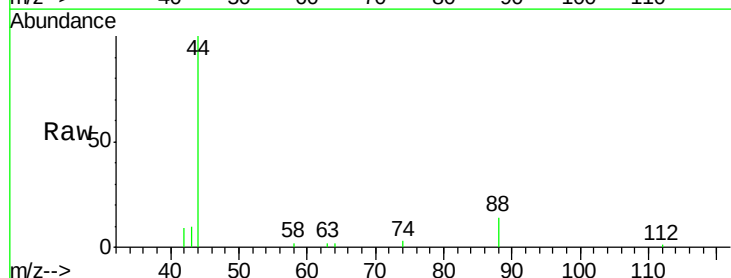
Tgt Ion: 88 Resp: 142

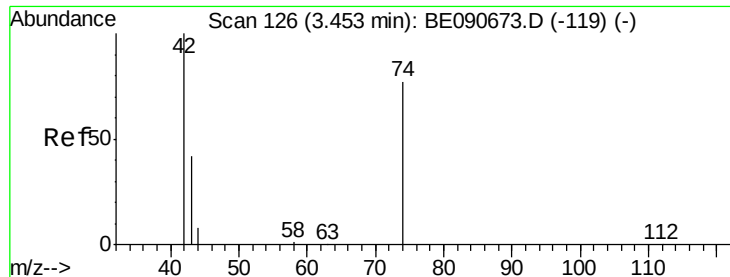
Ion Ratio Lower Upper

88 100

58 7.7 68.4 102.6#

43 367.6 26.9 40.3#



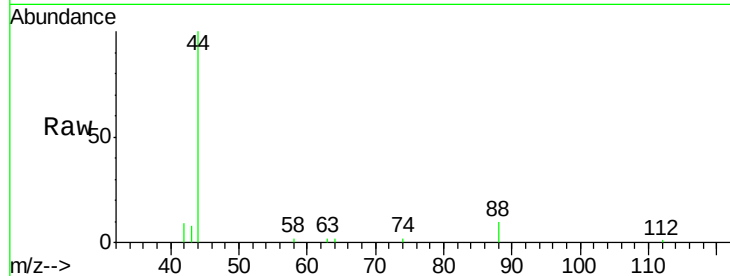


#3

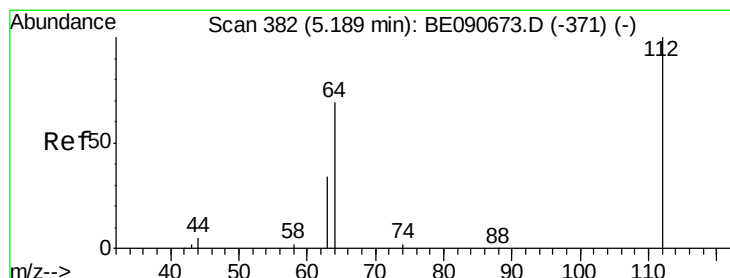
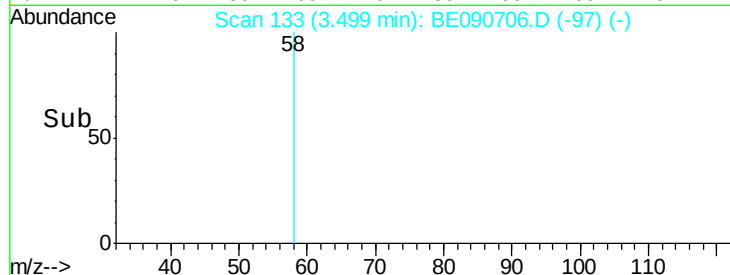
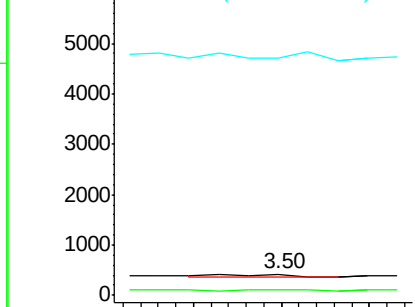
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.50 min Scan# 133
 Delta R.T. 0.04 min
 Lab File: BE090706.D
 Acq: 2 Sep 2015 16:10

Instrument :
 BNA_E
 ClientSampleId :
 MW01-082815

Tgt Ion: 42 Resp: 48
 Ion Ratio Lower Upper
 42 100
 74 45.8 83.7 125.5#
 44 0.0 10.0 15.0#



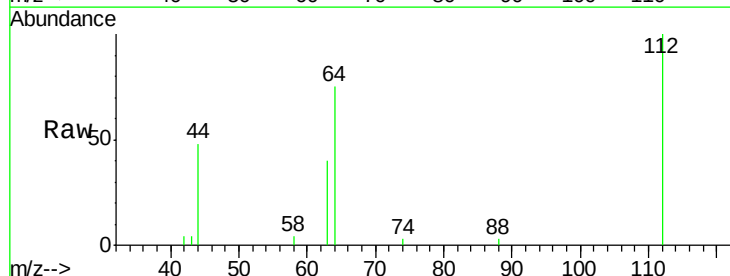
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



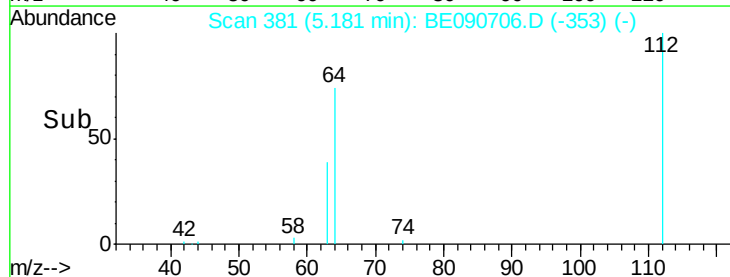
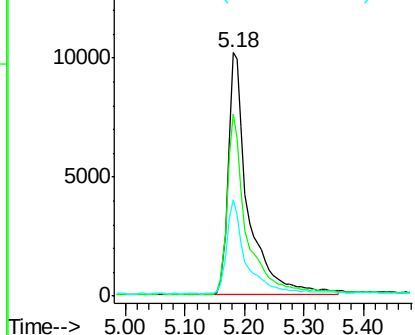
#4

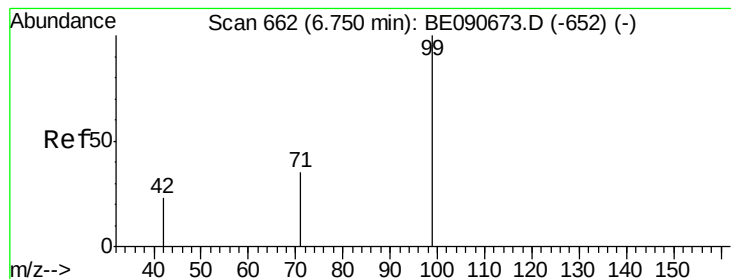
2-Fluorophenol
 Concen: 3.43 ng
 RT: 5.18 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BE090706.D
 Acq: 2 Sep 2015 16:10

Tgt Ion: 112 Resp: 24047
 Ion Ratio Lower Upper
 112 100
 64 71.9 57.3 85.9
 63 37.3 29.2 43.8



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: 1.99 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.01 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

MW01-082815

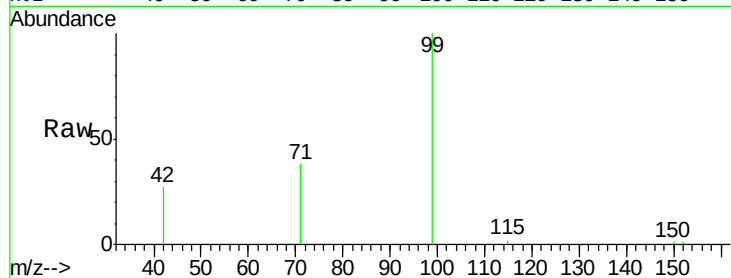
Tgt Ion: 99 Resp: 19972

Ion Ratio Lower Upper

99 100

42 20.8 16.8 25.2

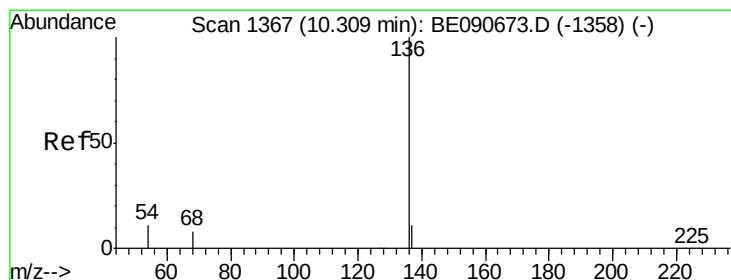
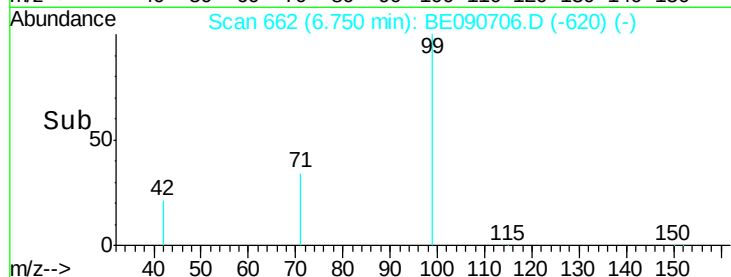
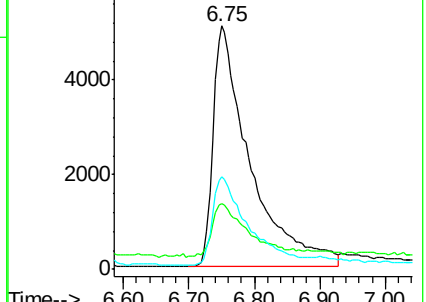
71 36.0 28.3 42.5



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: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

Tgt Ion: 136 Resp: 164895

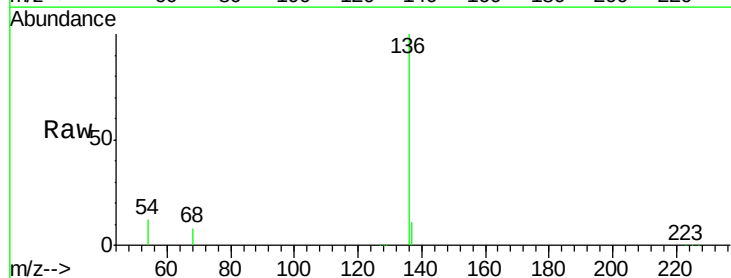
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.6 9.0 13.6

68 8.2 6.3 9.5

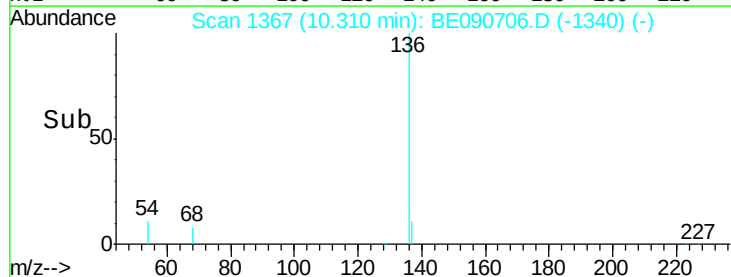
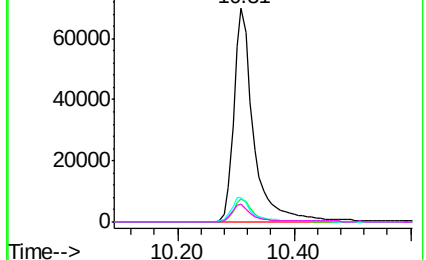


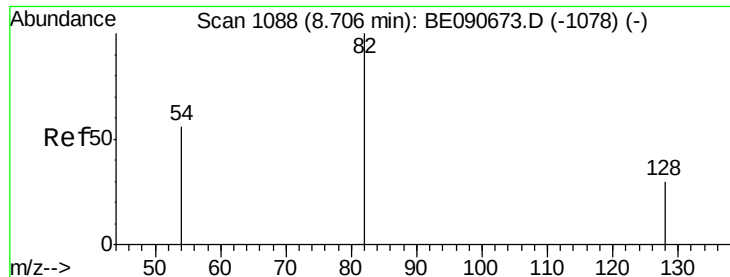
Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.17 ng

RT: 8.71 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

Instrument :

BNA_E

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MW01-082815

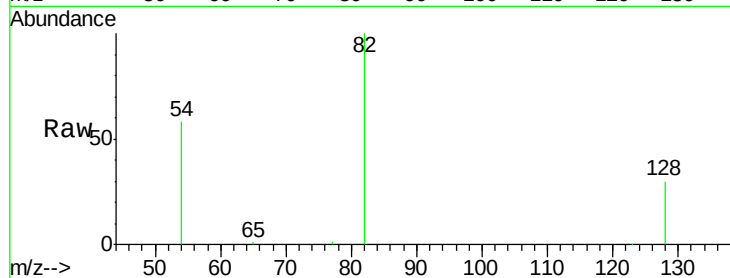
Tgt Ion: 82 Resp: 45421

Ion Ratio Lower Upper

82 100

128 29.8 25.0 37.4

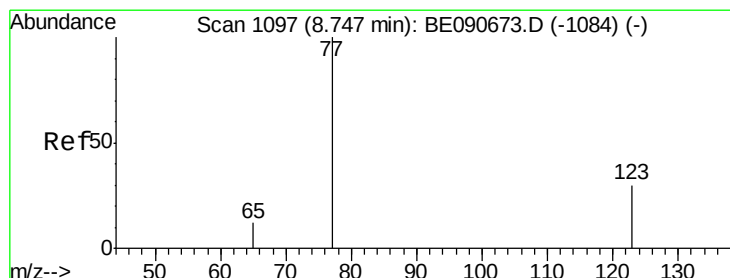
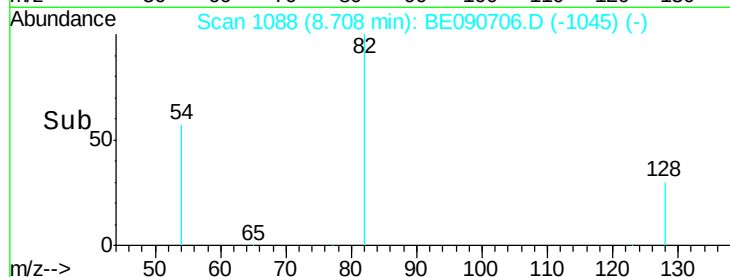
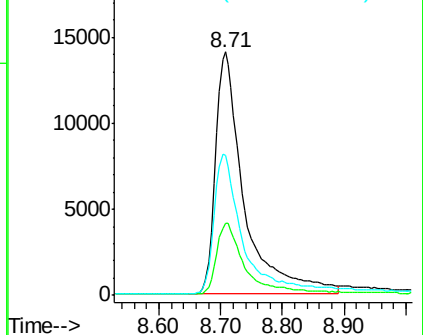
54 57.6 46.3 69.5



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: 0.11 ng

RT: 8.78 min Scan# 1103

Delta R.T. 0.03 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

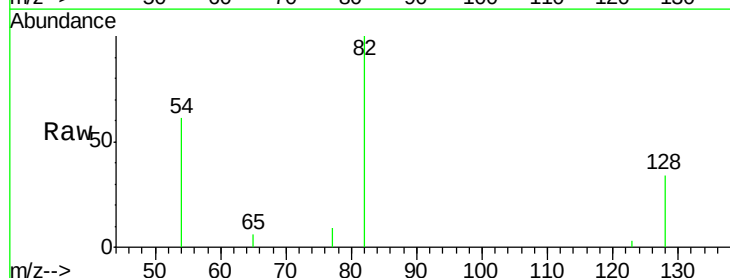
Tgt Ion: 77 Resp: 13

Ion Ratio Lower Upper

77 100

123 7.7 25.1 37.7#

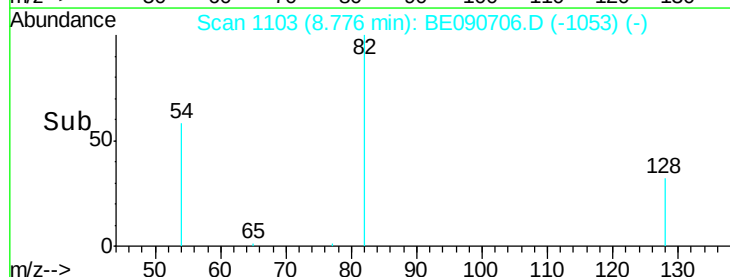
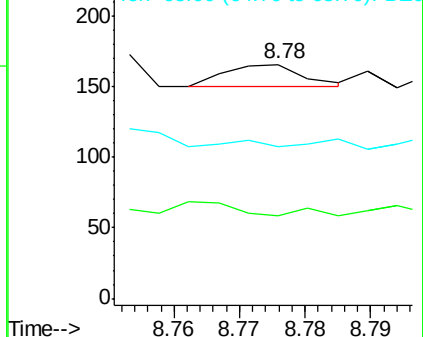
65 0.0 9.9 14.9#

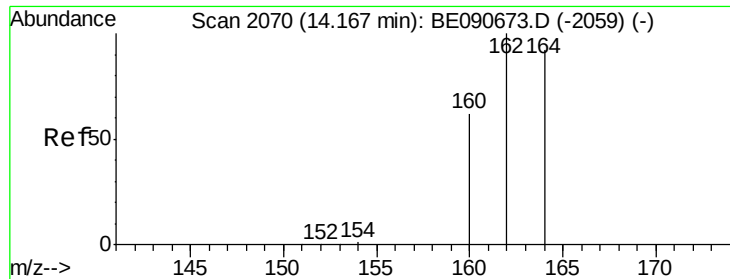


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

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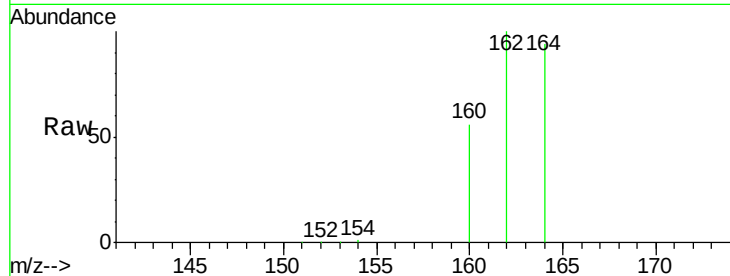
Tgt Ion:164 Resp: 95190

Ion Ratio Lower Upper

164 100

162 106.9 86.8 130.2

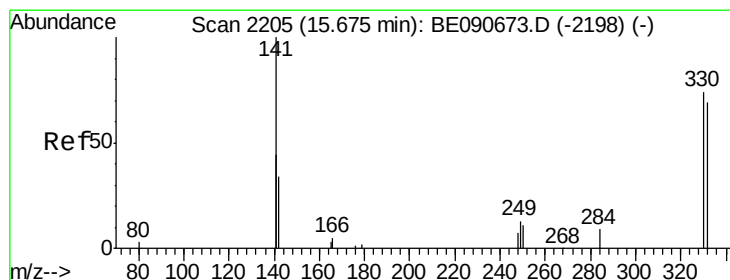
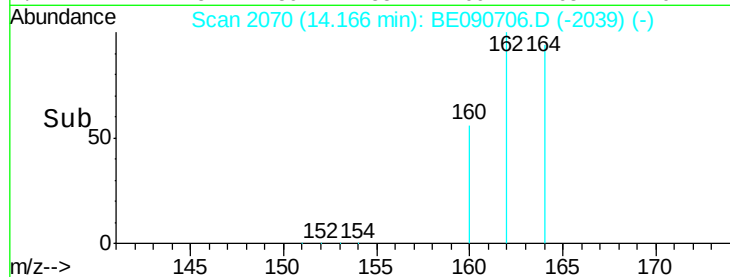
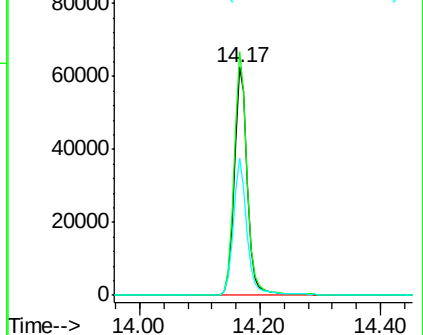
160 60.3 53.9 80.9



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: 12.97 ng

RT: 15.67 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

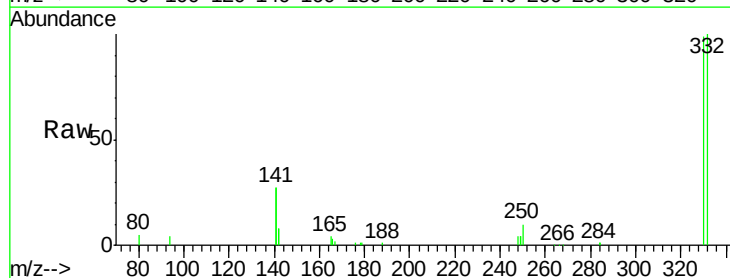
Tgt Ion:330 Resp: 36510

Ion Ratio Lower Upper

330 100

332 97.5 74.9 112.3

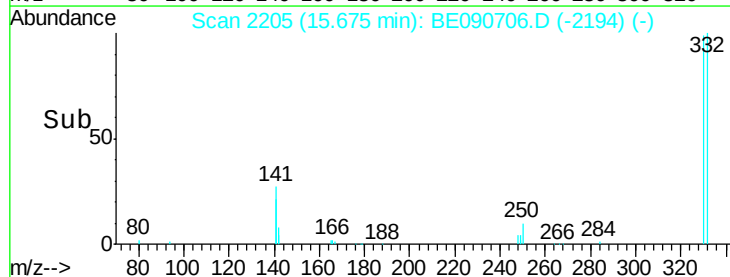
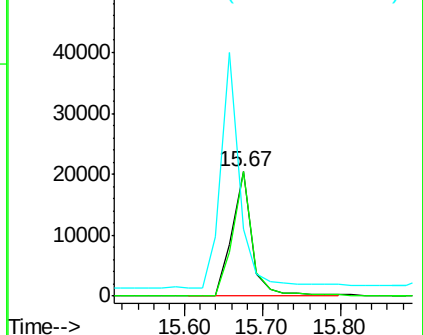
141 185.3 145.2 217.8

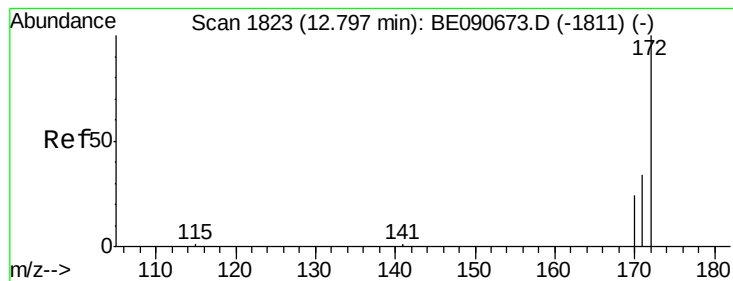


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 4.06 ng

RT: 12.79 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

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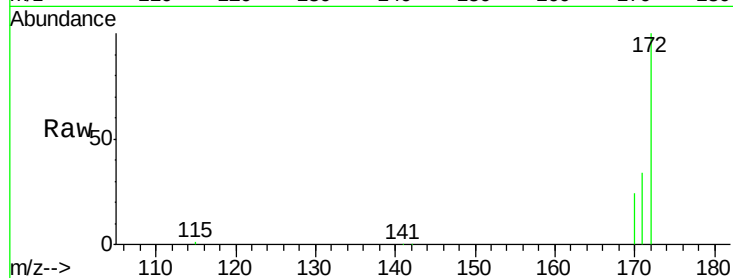
Tgt Ion:172 Resp: 107006

Ion Ratio Lower Upper

172 100

171 34.2 27.8 41.8

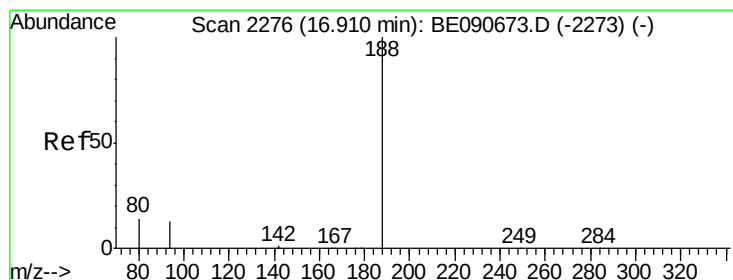
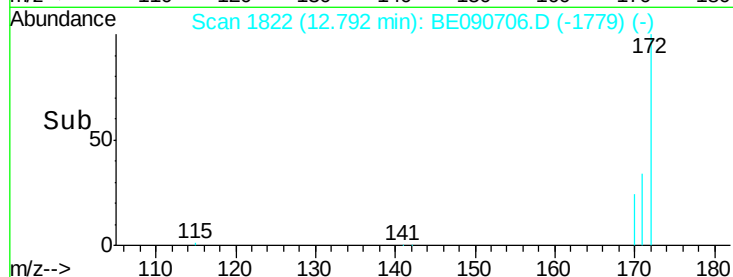
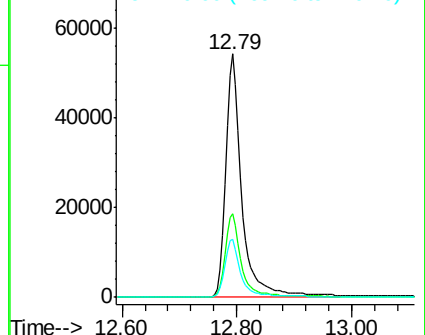
170 23.6 19.8 29.6



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



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.91 min Scan# 2276

Delta R.T. -0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

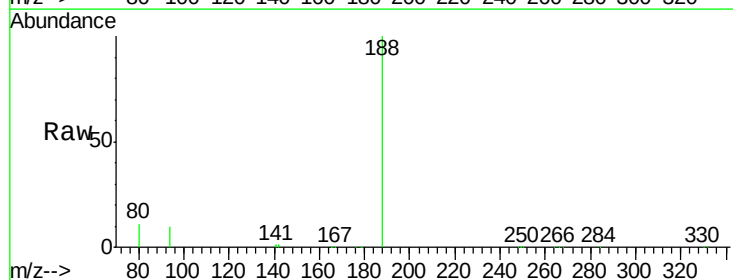
Tgt Ion:188 Resp: 264324

Ion Ratio Lower Upper

188 100

94 10.4 10.3 15.5

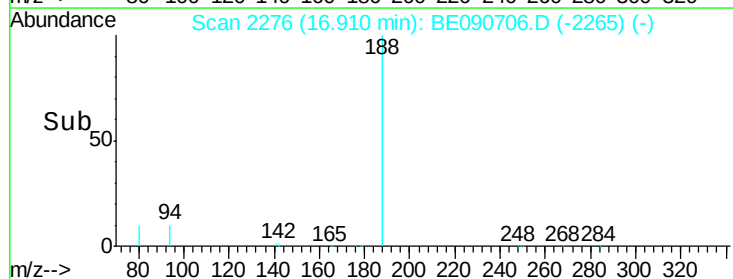
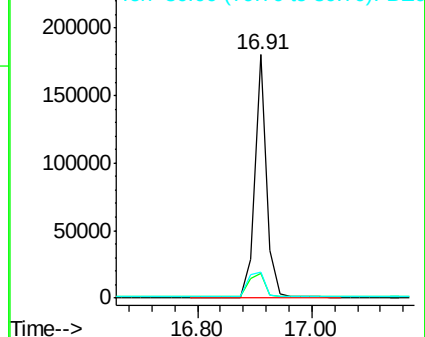
80 10.8 11.0 16.6#

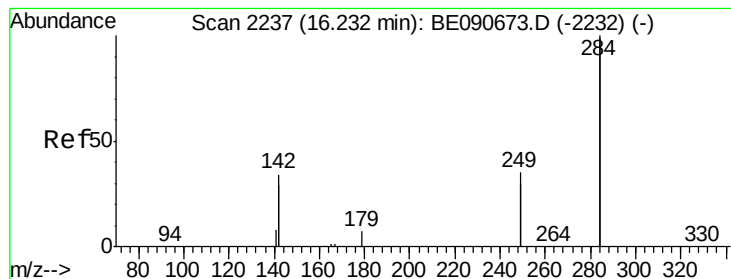


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2237

Delta R.T. -0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

Instrument :

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ClientSampleId :

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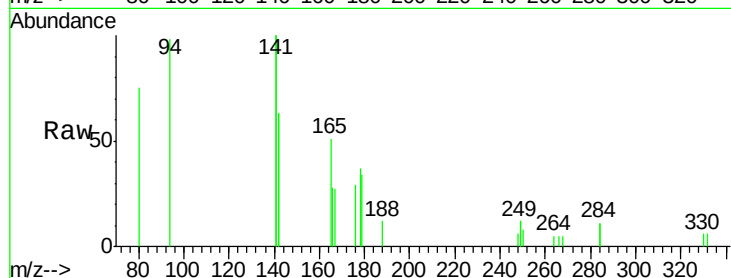
Tgt Ion:284 Resp: 109

Ion Ratio Lower Upper

284 100

142 0.0 35.0 52.4#

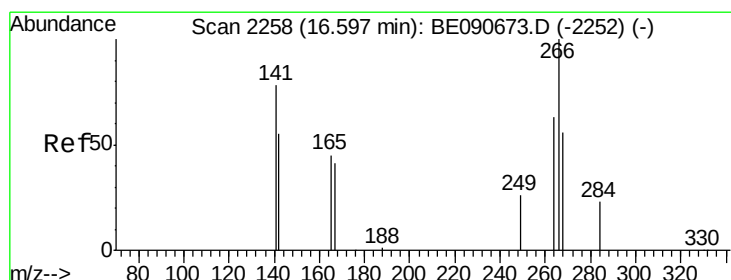
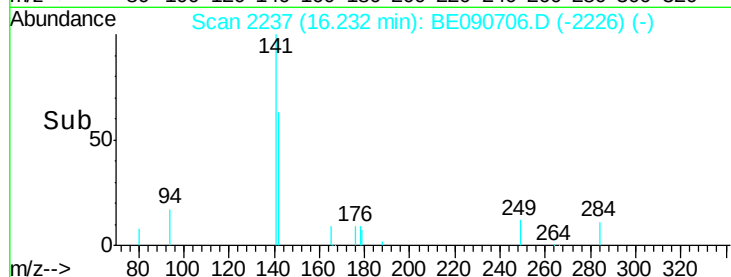
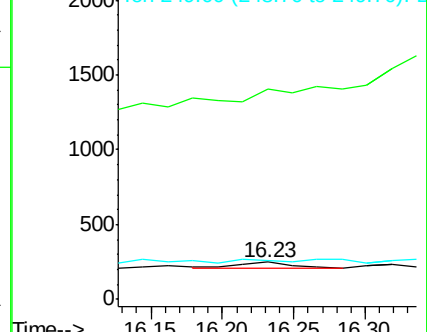
249 42.2 25.5 38.3#



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: 0.48 ng

RT: 16.58 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

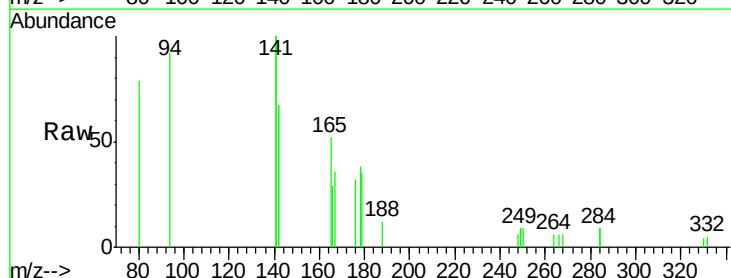
Tgt Ion:266 Resp: 68

Ion Ratio Lower Upper

266 100

268 98.7 49.6 74.4#

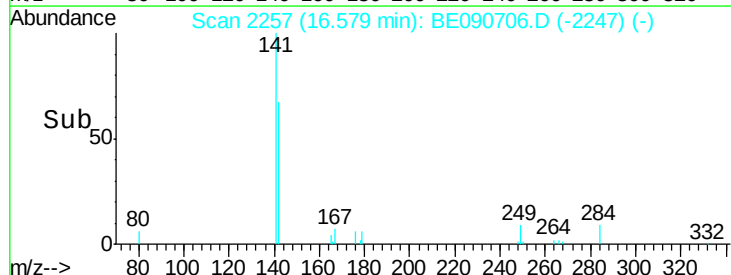
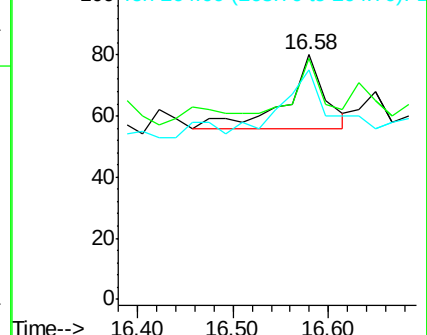
264 93.8 53.9 80.9#

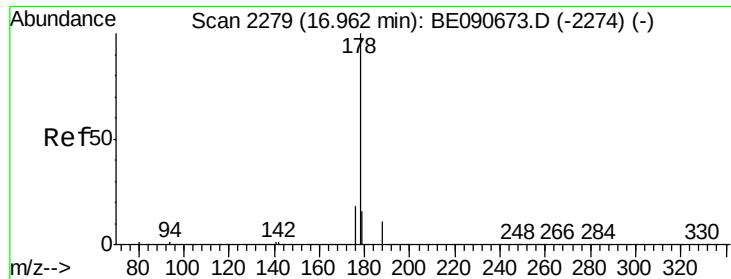


Abundance Ion 265.70 (265.40 to 266.40): E

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: 16.94 min Scan# 2278

Delta R.T. -0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

MW01-082815

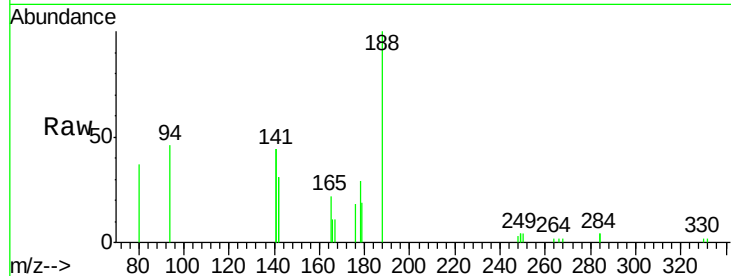
Tgt Ion:178 Resp: 1341

Ion Ratio Lower Upper

178 100

176 60.5 15.6 23.4#

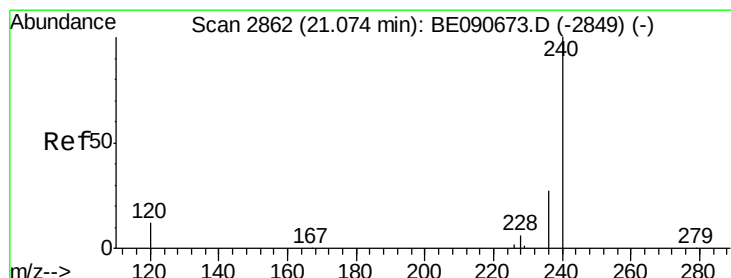
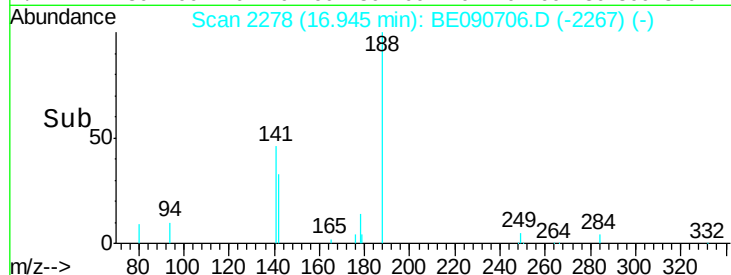
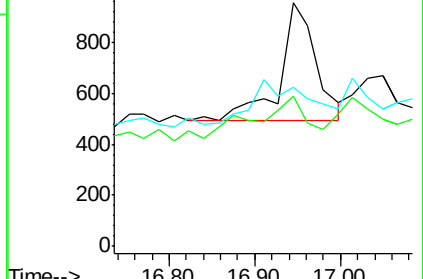
179 0.0 12.8 19.2#



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



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2861

Delta R.T. -0.00 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

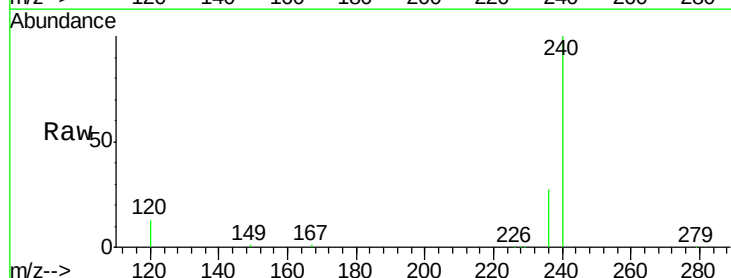
Tgt Ion:240 Resp: 348423

Ion Ratio Lower Upper

240 100

120 12.6 10.1 15.1

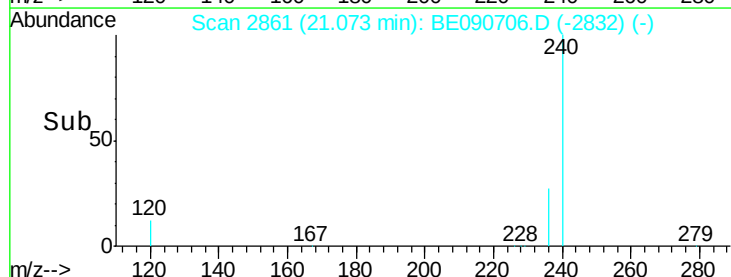
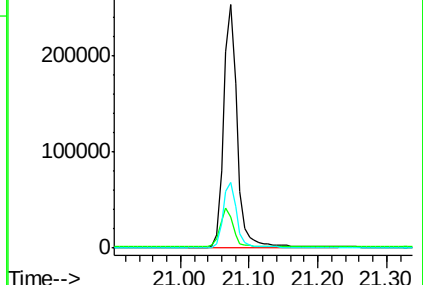
236 27.0 21.9 32.9

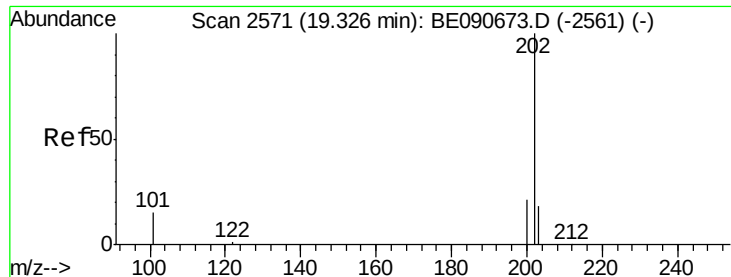


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#26

Pyrene

Concen: 0.03 ng

RT: 19.32 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

MW01-082815

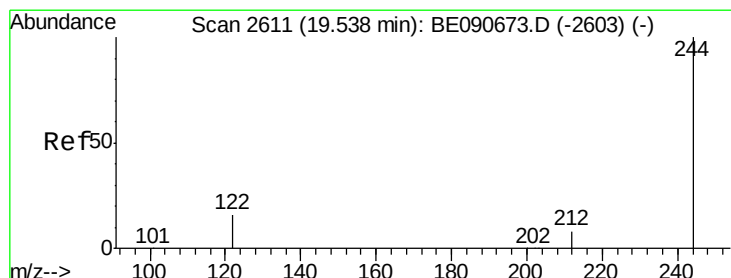
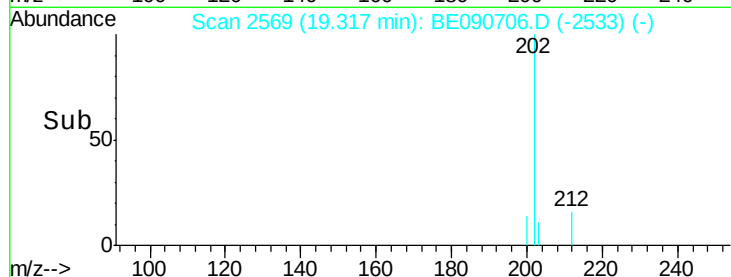
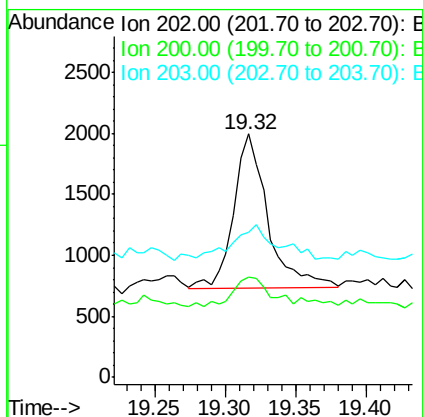
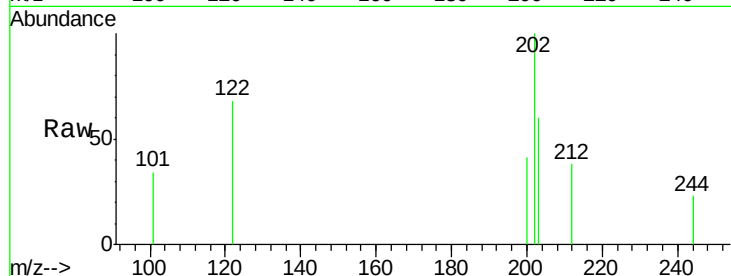
Tgt Ion:202 Resp: 2132

Ion Ratio Lower Upper

202 100

200 19.7 16.7 25.1

203 33.2 13.8 20.6#



#27

Terphenyl-d14

Concen: 6.18 ng

RT: 19.53 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

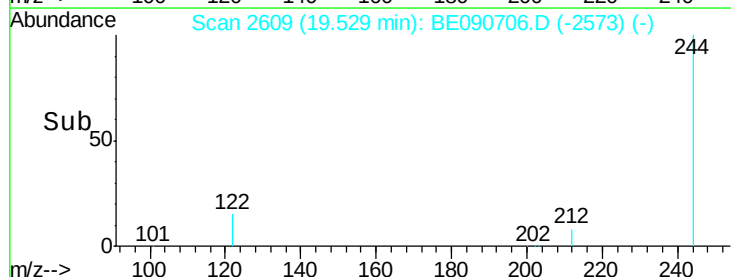
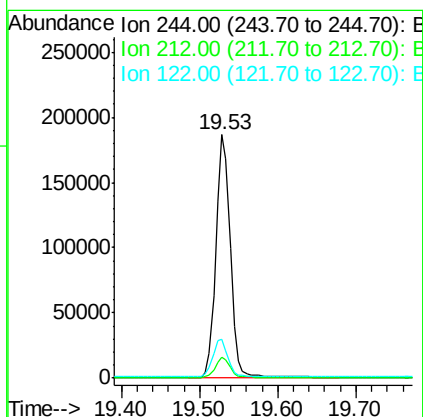
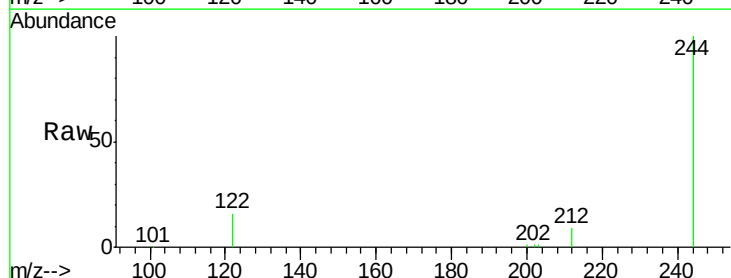
Tgt Ion:244 Resp: 238362

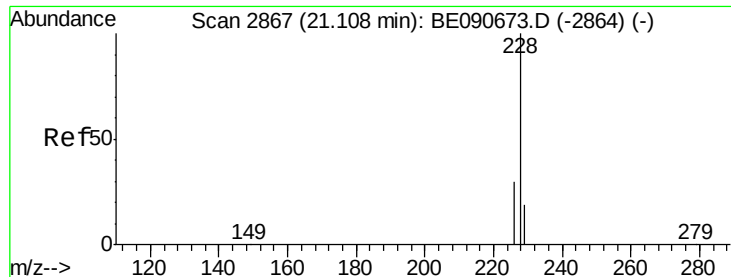
Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

122 15.9 12.9 19.3





#29

Chrysene

Concen: Below Cal

RT: 21.07 min Scan# 2861

Delta R.T. -0.03 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

Instrument :

BNA_E

ClientSampleId :

MW01-082815

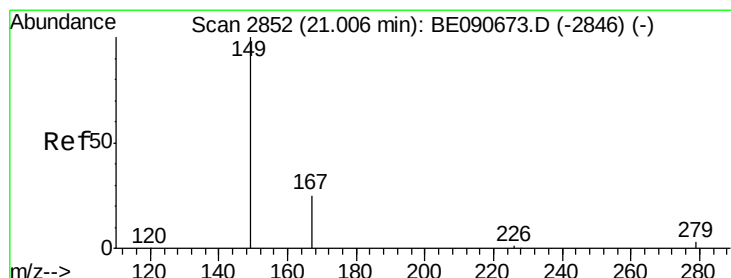
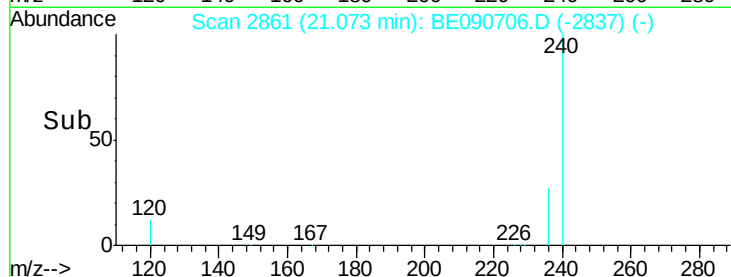
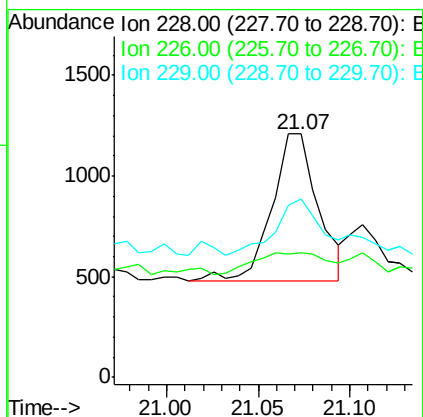
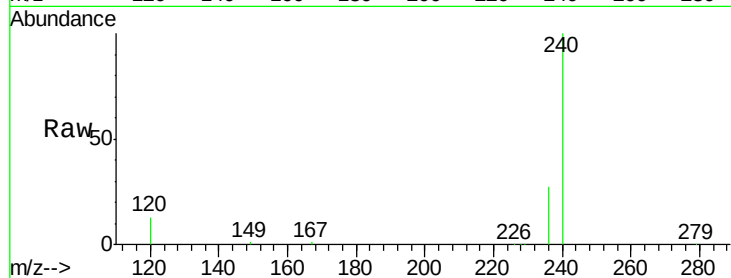
Tgt Ion:228 Resp: 1274

Ion Ratio Lower Upper

228 100

226 51.3 24.2 36.4#

229 73.4 15.3 22.9#



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.40 ng

RT: 21.00 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BE090706.D

Acq: 2 Sep 2015 16:10

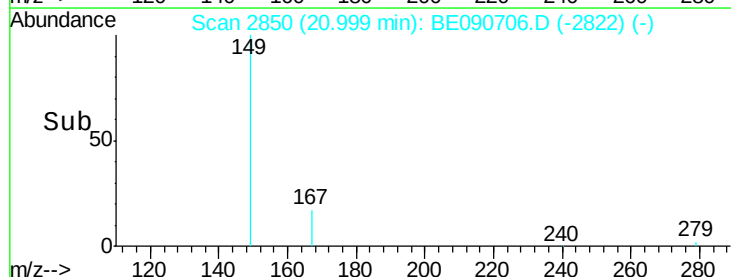
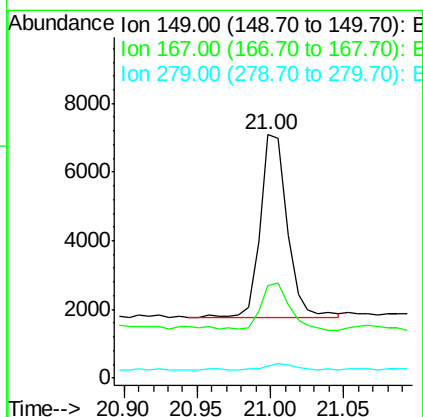
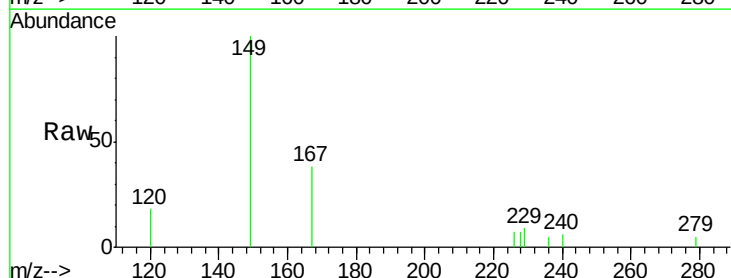
Tgt Ion:149 Resp: 6794

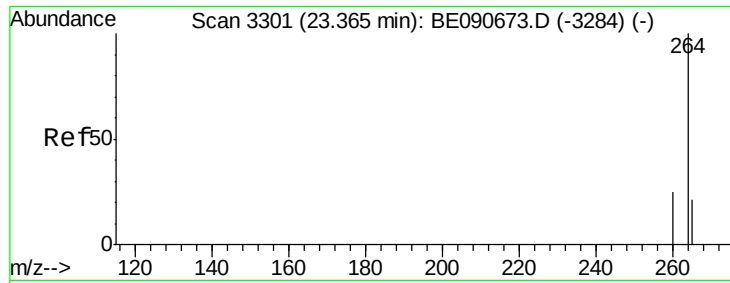
Ion Ratio Lower Upper

149 100

167 27.4 20.1 30.1

279 4.1 2.3 3.5#

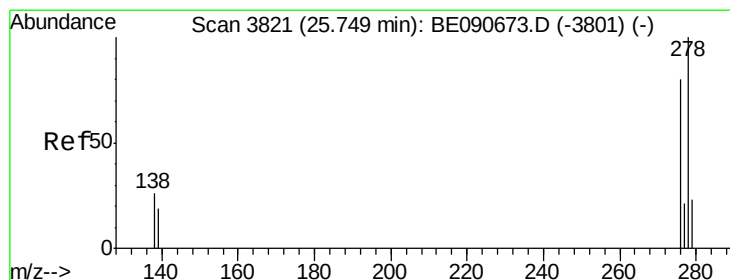
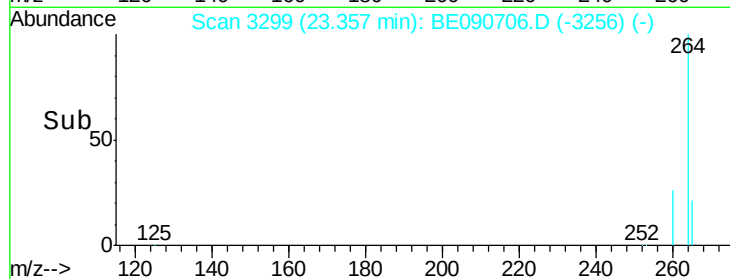
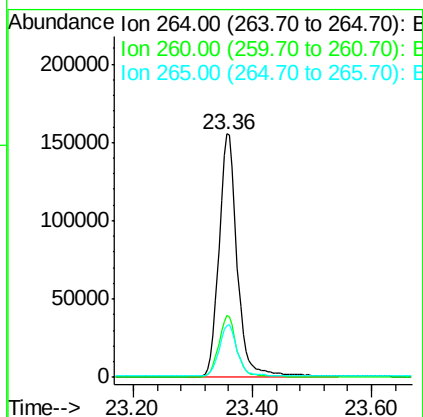
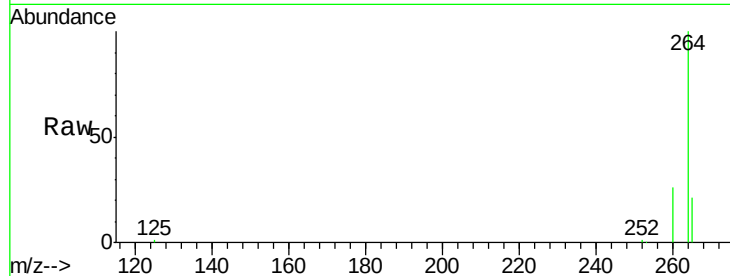




#32
Perylene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 3299
 Delta R.T. -0.00 min
 Lab File: BE090706.D
 Acq: 2 Sep 2015 16:10

Instrument :
 BNA_E
 ClientSampleId :
 MW01-082815

Tgt Ion: 264 Resp: 334730
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.7 29.5
 265 21.4 17.5 26.3



#36
Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 25.73 min Scan# 3816
 Delta R.T. -0.02 min
 Lab File: BE090706.D
 Acq: 2 Sep 2015 16:10

Tgt Ion: 278 Resp: 68
 Ion Ratio Lower Upper
 278 100
 139 237.7 15.4 23.0#
 279 130.3 18.8 28.2#

