

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041316\
 Data File : BE091653.D
 Acq On : 13 Apr 2016 12:30
 Operator : UM/SJ
 Sample : H2090-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 KY038PS038-160330

Quant Time: Apr 14 00:51:26 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 08 16:48:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	38330	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	179941	5.00	ng	-0.02
13) Acenaphthene-d10	14.42	164	106149	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	262577	5.00	ng	-0.01
26) Chrysene-d12	21.31	240	306161	5.00	ng	0.00
35) Perylene-d12	23.75	264	297157	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	20319	2.22	ng	0.00
5) Phenol-d6	6.97	99	15364	1.26	ng	0.00
8) Nitrobenzene-d5	8.96	82	36023	3.45	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	29250	7.54	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	121516	4.12	ng	0.00
29) Terphenyl-d14	19.76	244	236926	6.20	ng	0.00

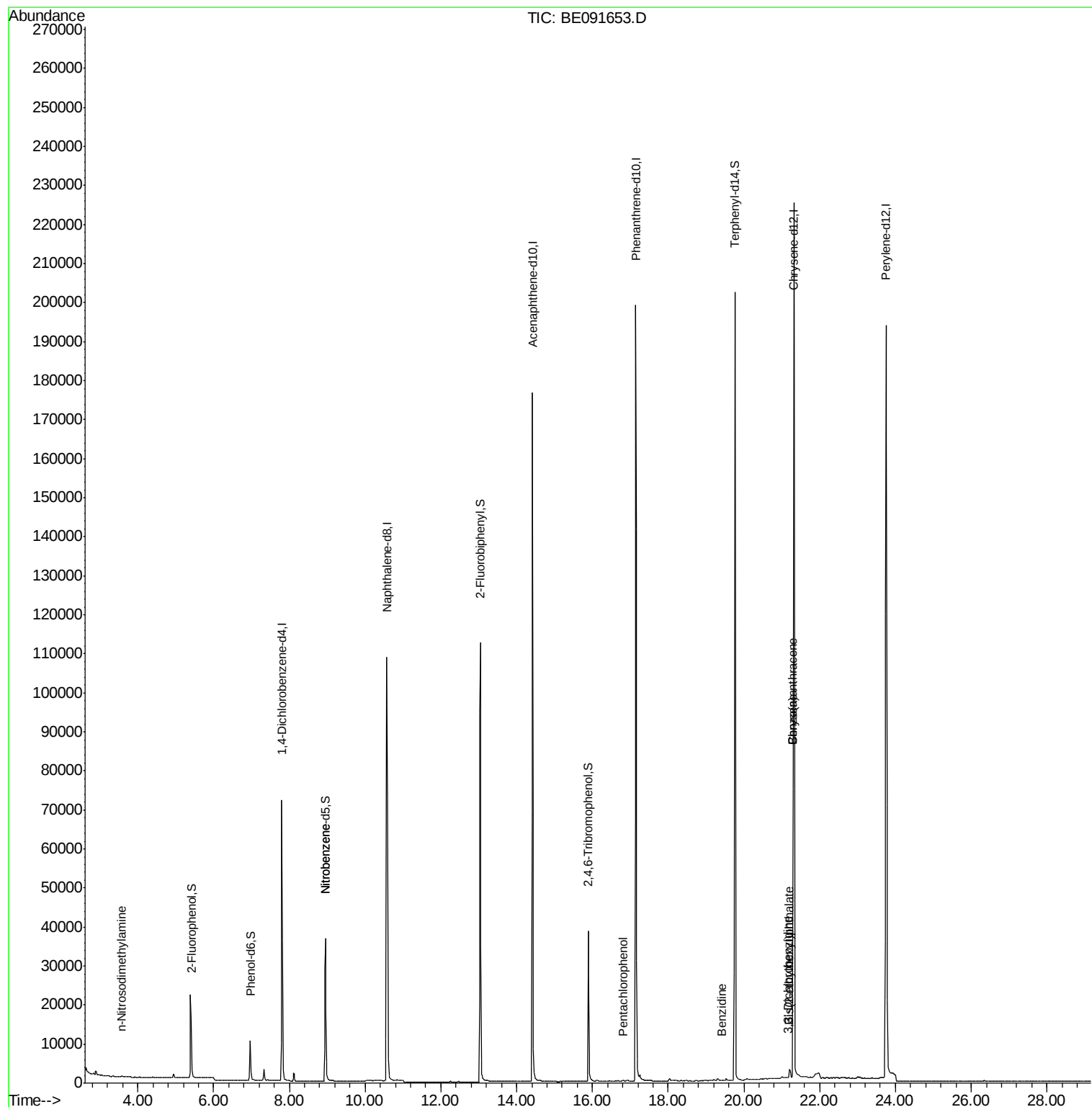
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	265	Below Cal	#	43
3) n-Nitrosodimethylamine	3.56	42	135	0.02	ng	# 1
9) Nitrobenzene	8.96	77	147	0.18	ng	# 35
22) Pentachlorophenol	16.81	266	102	0.24	ng	# 84
27) Benzidine	19.42	184	150	0.34	ng	# 1
30) Benzo(a)anthracene	21.29	228	1584	0.02	ng	# 85
31) 3,3'-Dichlorobenzidine	21.17	252	397	0.17	ng	# 72
32) Chrysene	21.29	228	1594	0.03	ng	# 82
33) Bis(2-ethylhexyl)phthalate	21.20	149	4311	0.34	ng	# 57

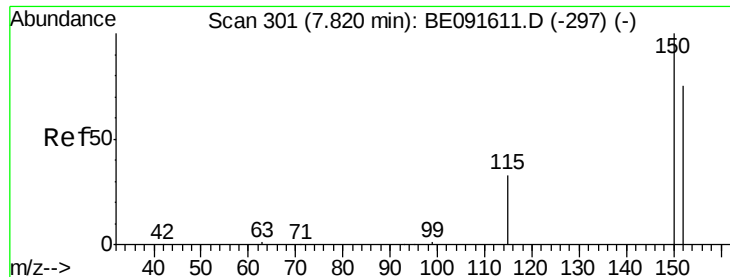
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160330

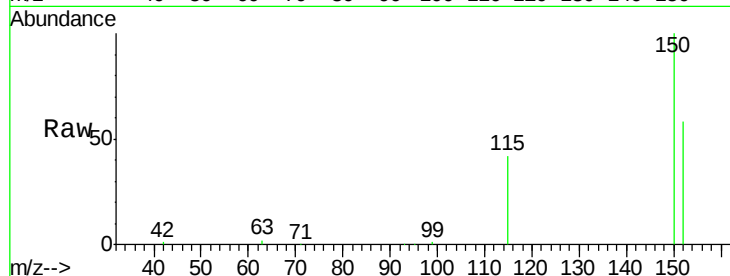
Tgt Ion:152 Resp: 38330

Ion Ratio Lower Upper

152 100

150 172.4 122.6 183.8

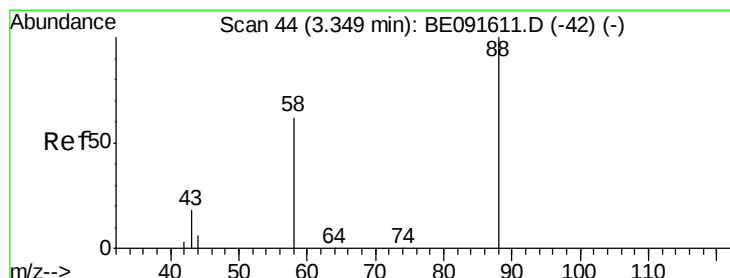
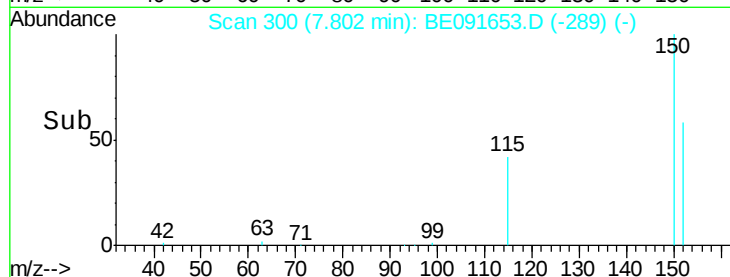
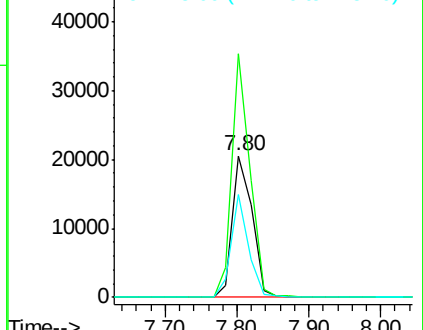
115 72.6 52.8 79.2



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: Below Cal

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

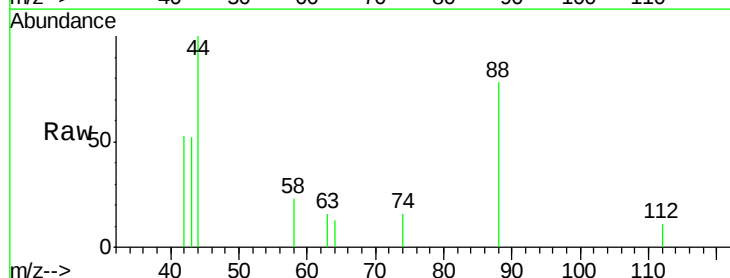
Tgt Ion: 88 Resp: 265

Ion Ratio Lower Upper

88 100

58 28.7 65.8 98.6#

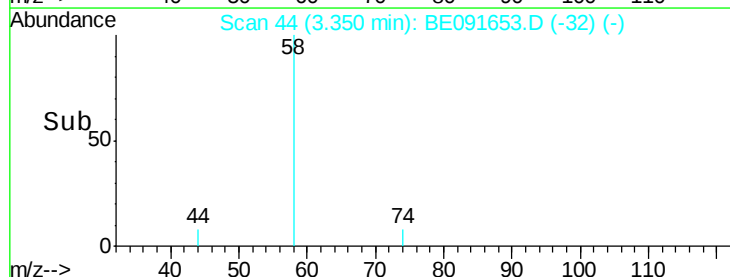
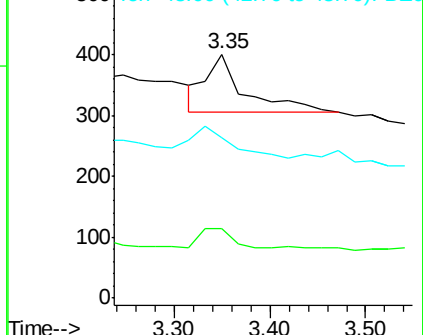
43 59.6 25.3 37.9#

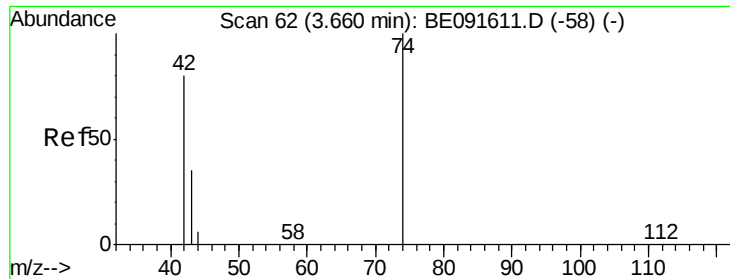


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.02 ng

RT: 3.56 min Scan# 56

Delta R.T. -0.10 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

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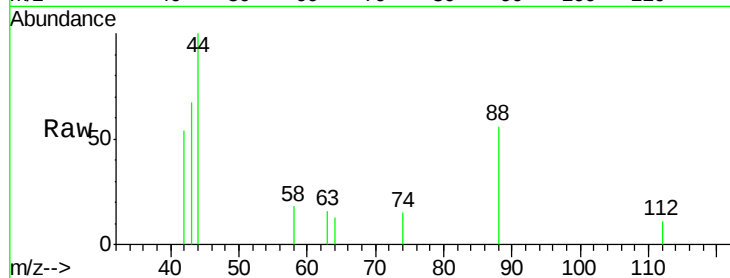
Tgt Ion: 42 Resp: 135

Ion Ratio Lower Upper

42 100

74 0.0 87.9 131.9#

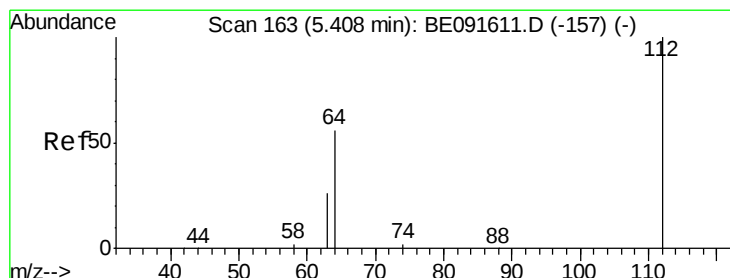
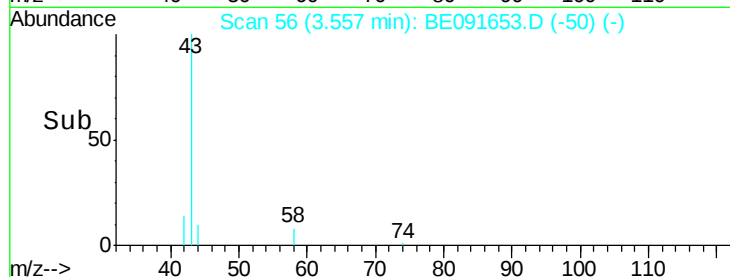
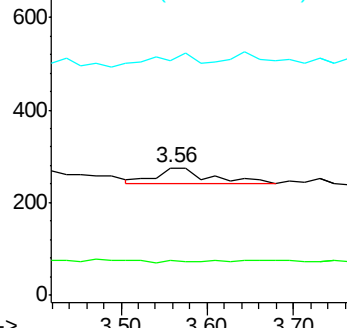
44 66.7 6.6 9.8#



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: 2.22 ng

RT: 5.41 min Scan# 163

Delta R.T. 0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

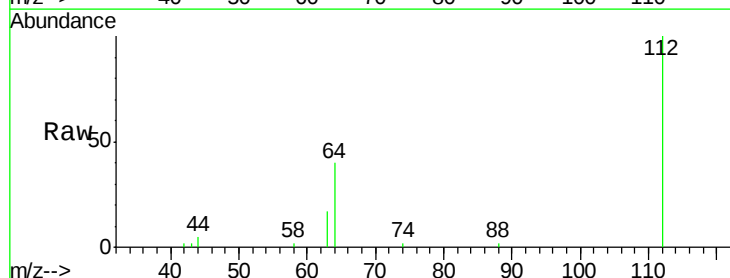
Tgt Ion: 112 Resp: 20319

Ion Ratio Lower Upper

112 100

64 68.5 30.9 46.3#

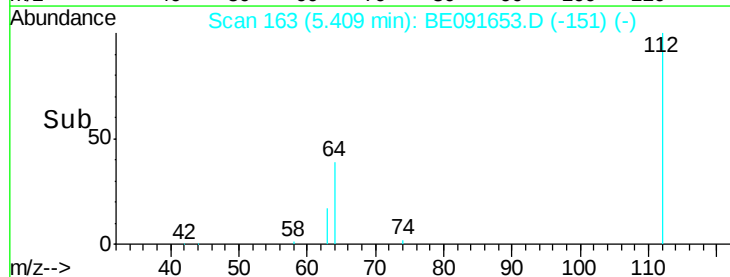
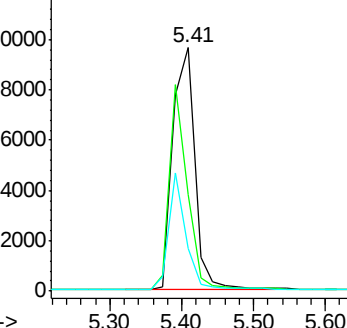
63 36.9 16.7 25.1#

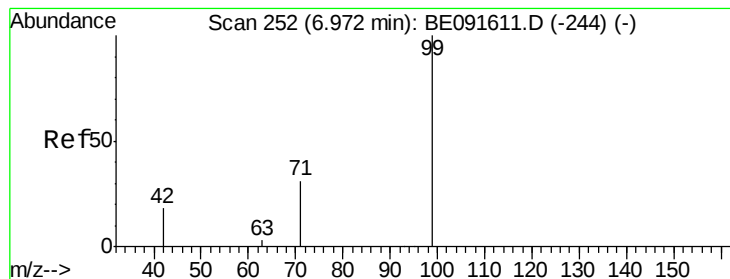


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.26 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

Instrument :

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KY038PS038-160330

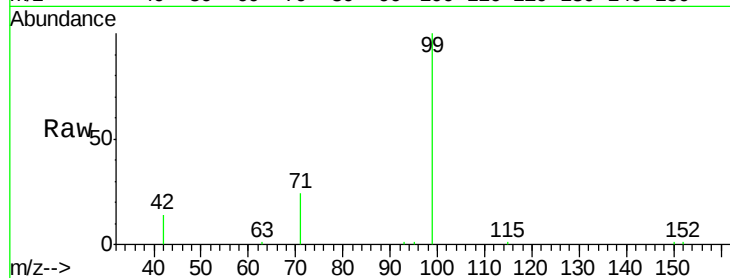
Tgt Ion: 99 Resp: 15364

Ion Ratio Lower Upper

99 100

42 25.0 16.2 24.2#

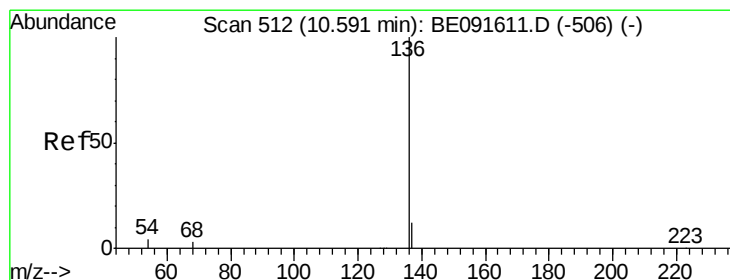
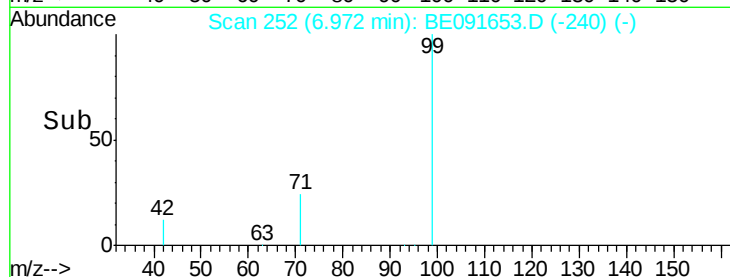
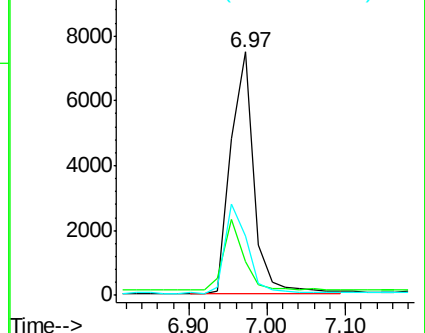
71 36.0 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE091611.D (-244) (-)

Ion 42.00 (41.70 to 42.70): BE091611.D (-244) (-)

Ion 71.00 (70.70 to 71.70): BE091611.D (-244) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.02 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

Tgt Ion: 136 Resp: 179941

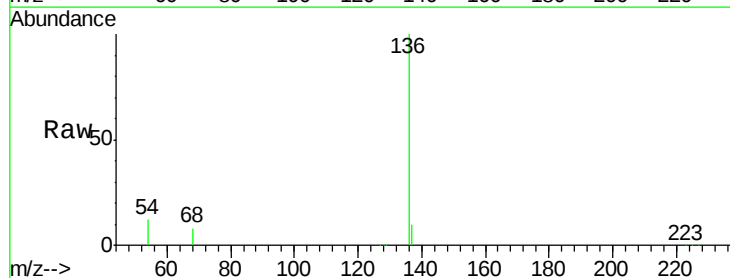
Ion Ratio Lower Upper

136 100

137 10.0 8.9 13.3

54 12.4 8.2 12.4#

68 8.4 6.2 9.4

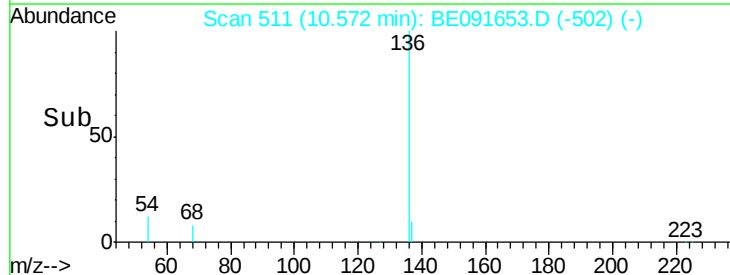
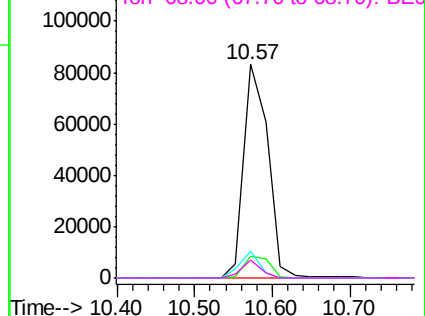


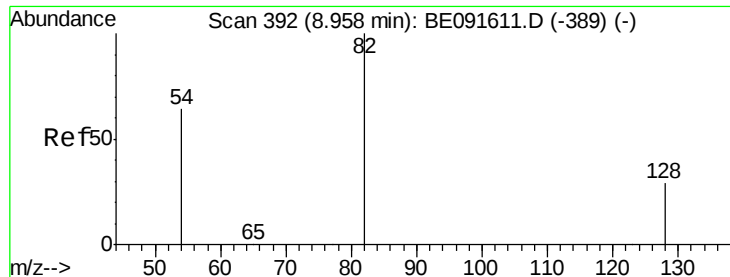
Abundance Ion 136.00 (135.70 to 136.70): BE091611.D (-506) (-)

Ion 137.00 (136.70 to 137.70): BE091611.D (-506) (-)

Ion 54.00 (53.70 to 54.70): BE091611.D (-506) (-)

Ion 68.00 (67.70 to 68.70): BE091611.D (-506) (-)





#8

Nitrobenzene-d5

Concen: 3.45 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

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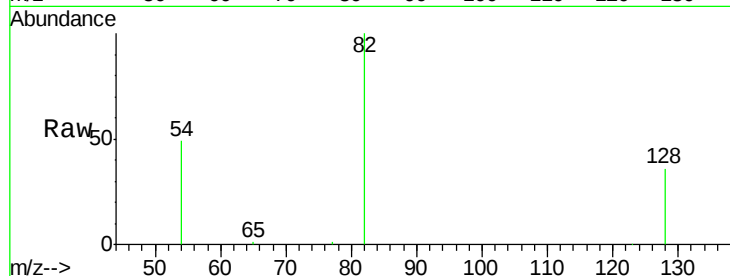
Tgt Ion: 82 Resp: 36023

Ion Ratio Lower Upper

82 100

128 35.8 25.4 38.0

54 49.1 48.4 72.6

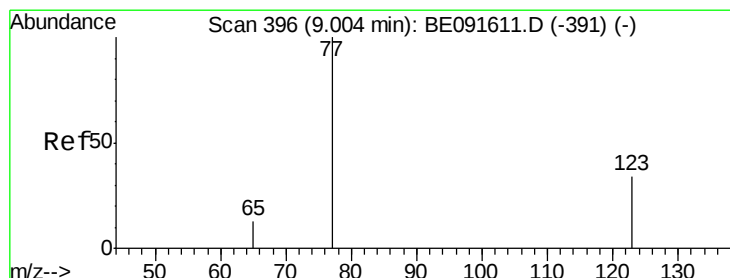
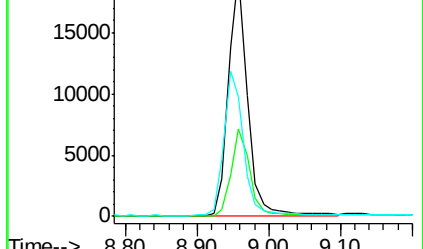
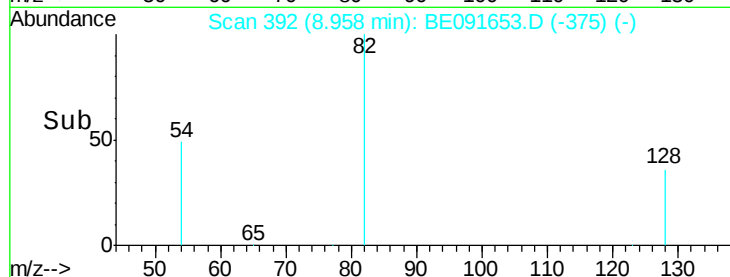


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->



#9

Nitrobenzene

Concen: 0.18 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.05 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

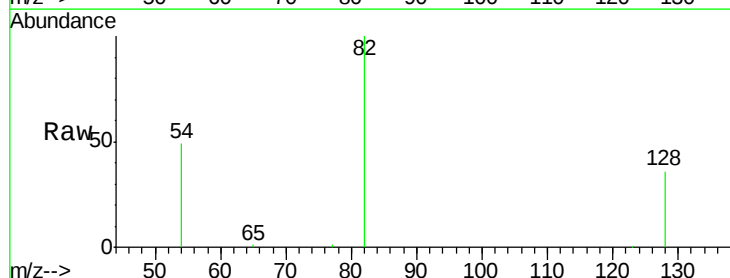
Tgt Ion: 77 Resp: 147

Ion Ratio Lower Upper

77 100

123 4.1 26.9 40.3#

65 51.0 9.4 14.2#

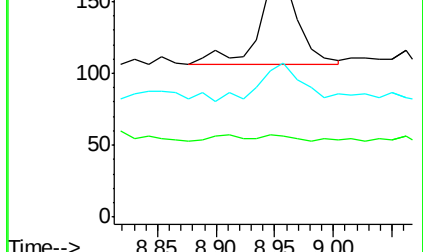
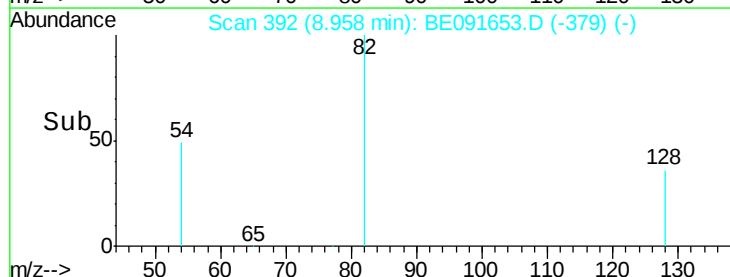


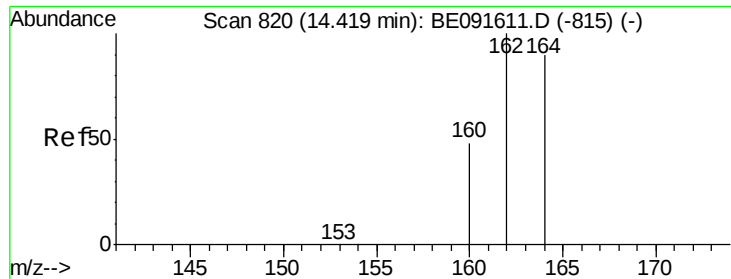
Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

Time-->





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160330

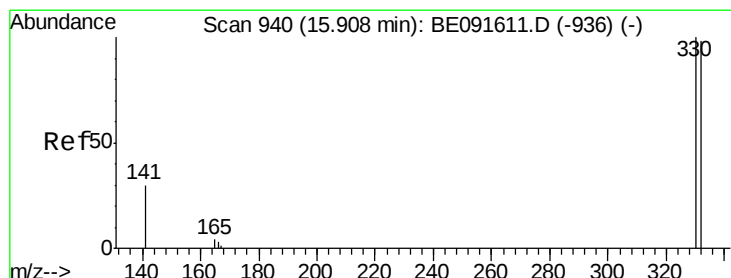
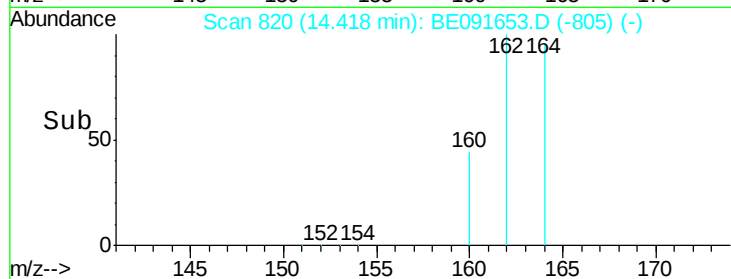
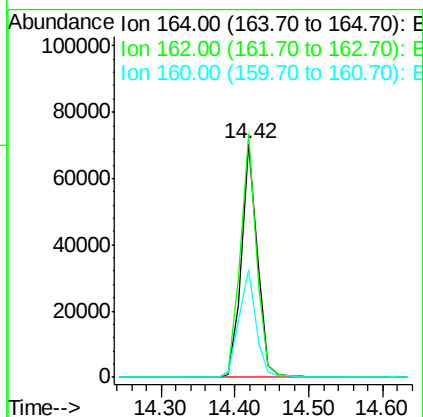
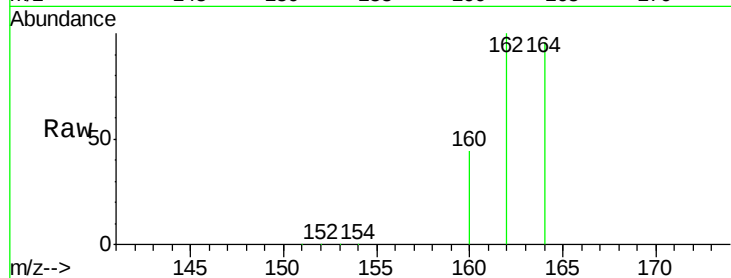
Tgt Ion:164 Resp: 106149

Ion Ratio Lower Upper

164 100

162 104.1 85.3 127.9

160 46.0 46.2 69.2#



#14

2,4,6-Tribromophenol

Concen: 7.54 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

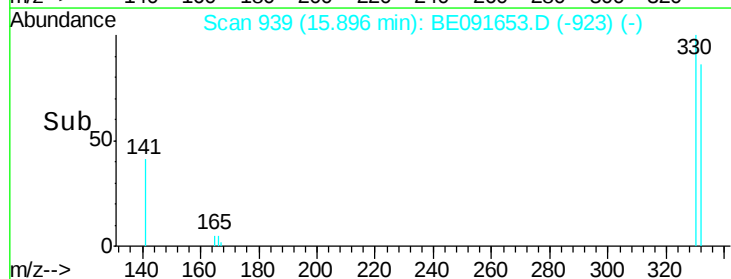
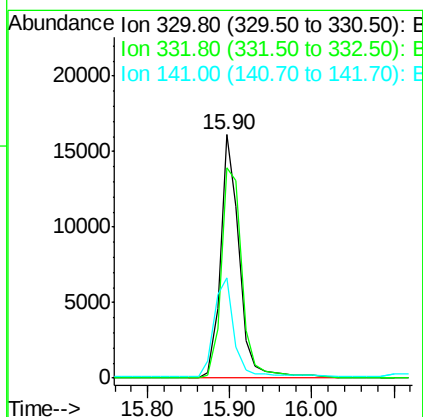
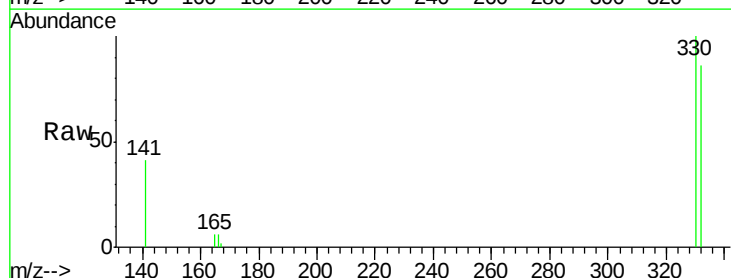
Tgt Ion:330 Resp: 29250

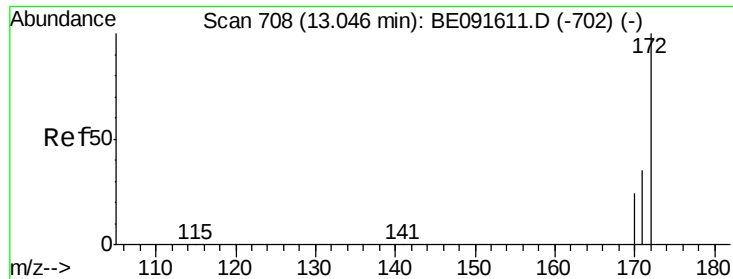
Ion Ratio Lower Upper

330 100

332 96.5 79.1 118.7

141 43.4 125.4 188.0#

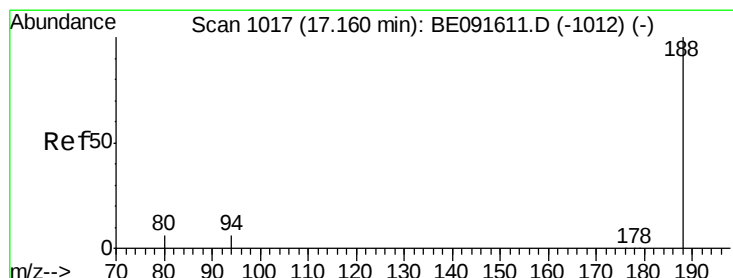
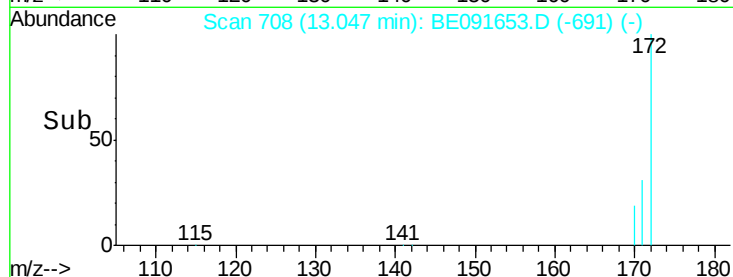
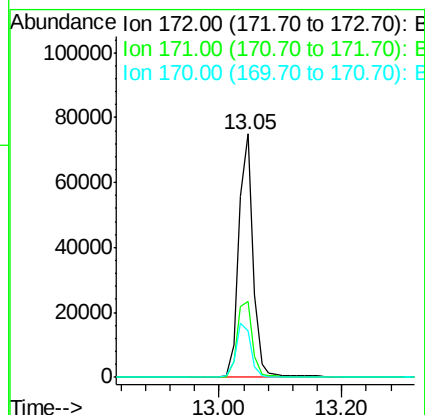
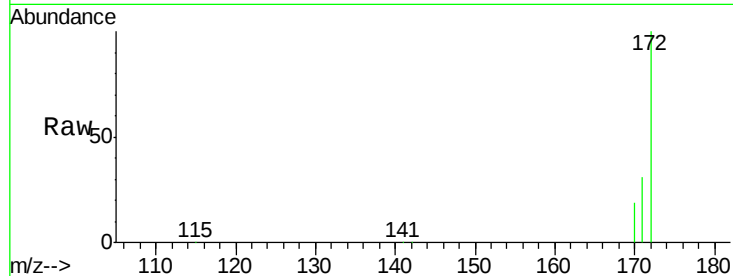




#15
2-Fluorobiphenyl
Concen: 4.12 ng
RT: 13.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE091653.D
Acq: 13 Apr 2016 12:30

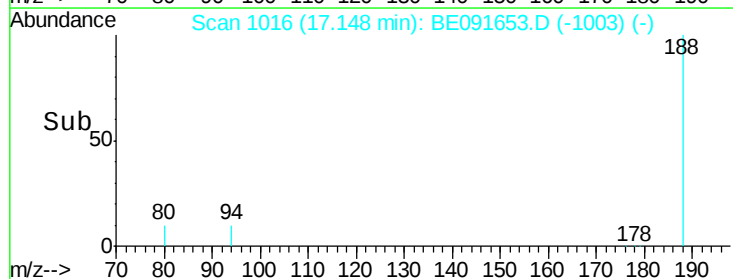
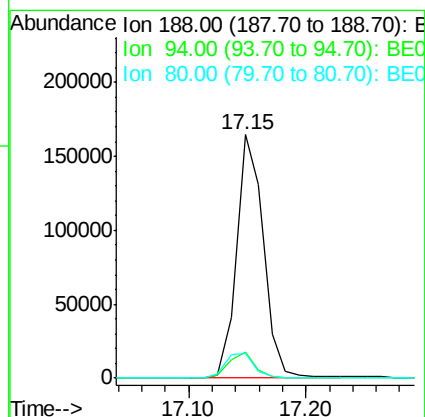
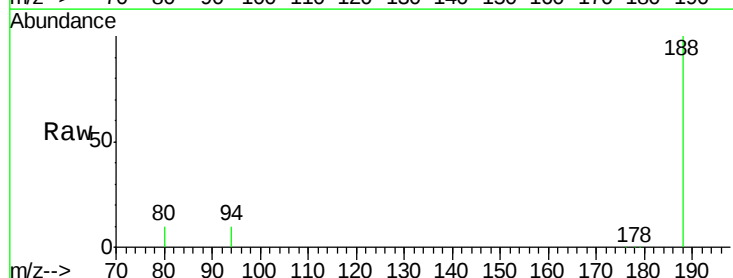
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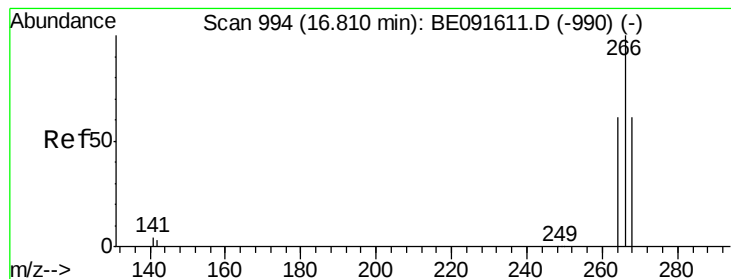
Tgt Ion:172 Resp: 121516
Ion Ratio Lower Upper
172 100
171 31.0 28.8 43.2
170 18.9 19.3 28.9#



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE091653.D
Acq: 13 Apr 2016 12:30

Tgt Ion:188 Resp: 262577
Ion Ratio Lower Upper
188 100
94 10.5 8.7 13.1
80 10.4 9.4 14.0





#22

Pentachlorophenol

Concen: 0.24 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160330

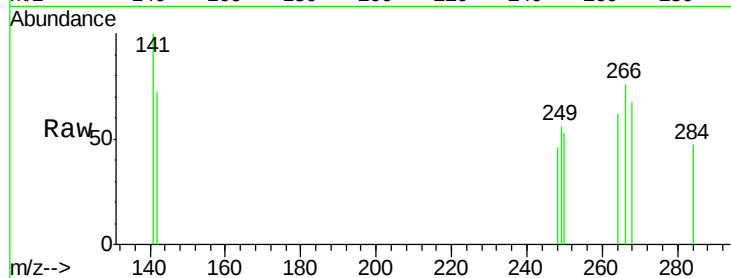
Tgt Ion:266 Resp: 102

Ion Ratio Lower Upper

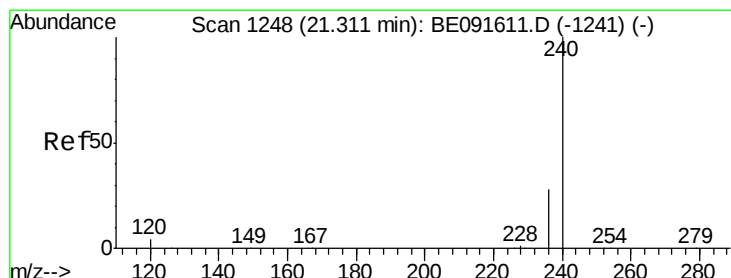
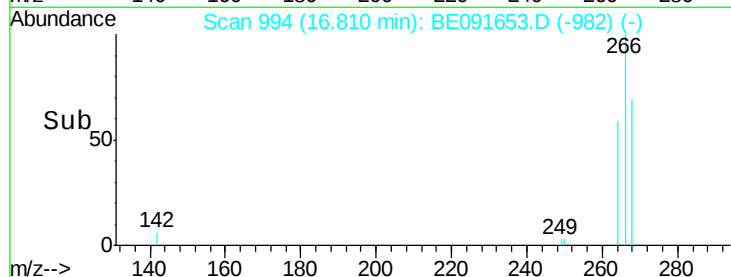
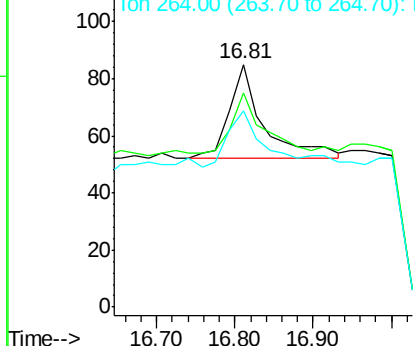
266 100

268 88.2 58.2 87.2#

264 81.2 56.2 84.4



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

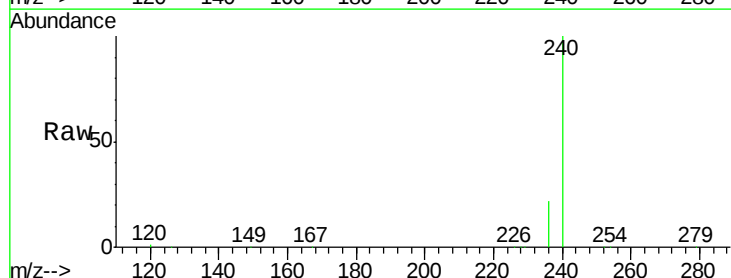
Tgt Ion:240 Resp: 306161

Ion Ratio Lower Upper

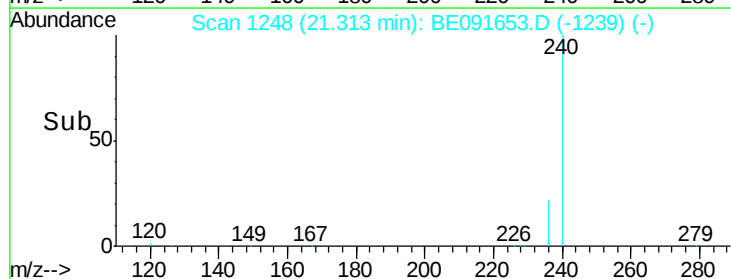
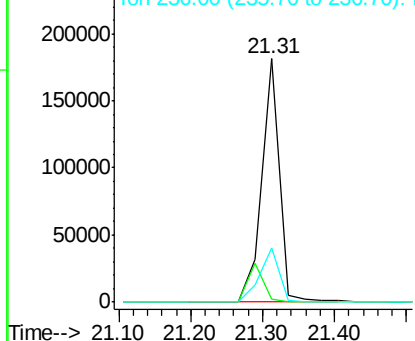
240 100

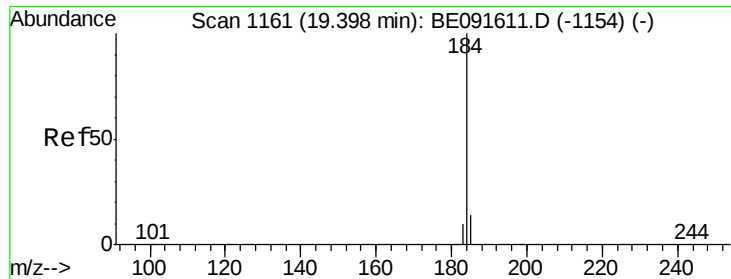
120 1.1 11.0 16.4#

236 22.5 21.7 32.5



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





#27

Benzidine

Concen: 0.34 ng

RT: 19.42 min Scan# 1162

Delta R.T. 0.02 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160330

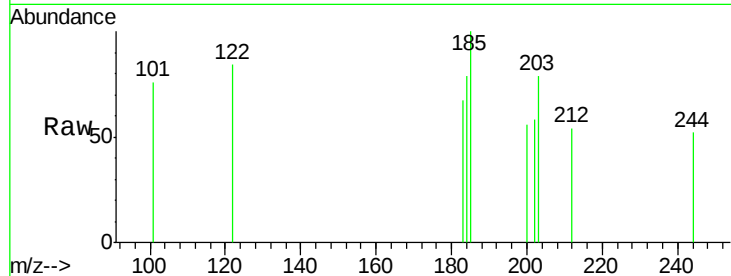
Tgt Ion:184 Resp: 150

Ion Ratio Lower Upper

184 100

185 126.3 22.3 33.5#

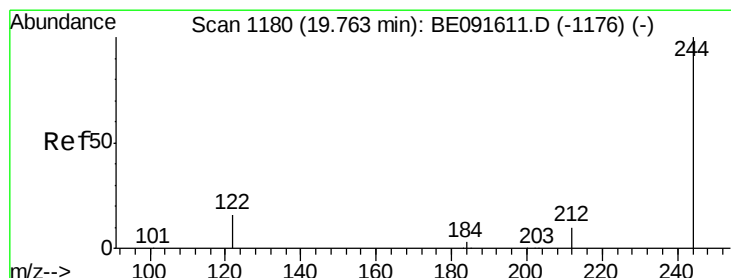
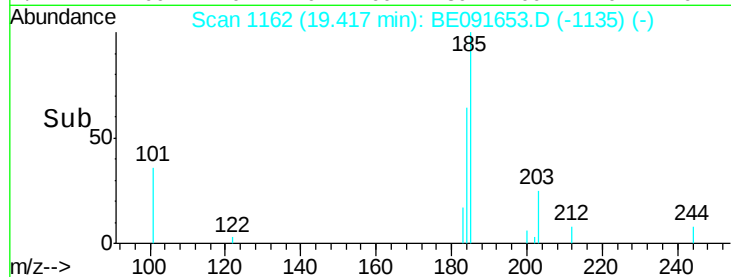
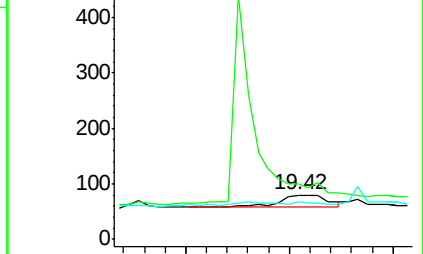
183 85.0 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#29

Terphenyl-d14

Concen: 6.20 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

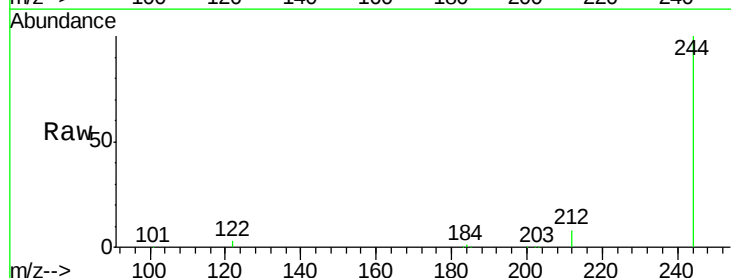
Tgt Ion:244 Resp: 236926

Ion Ratio Lower Upper

244 100

212 8.5 6.9 10.3

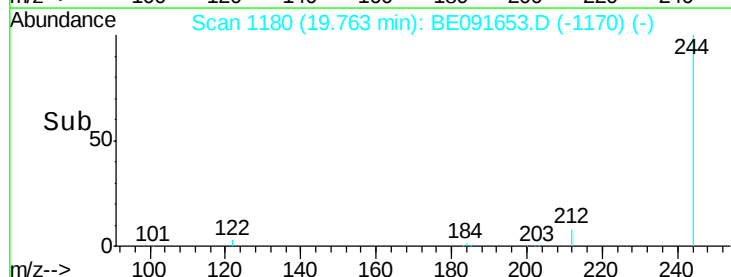
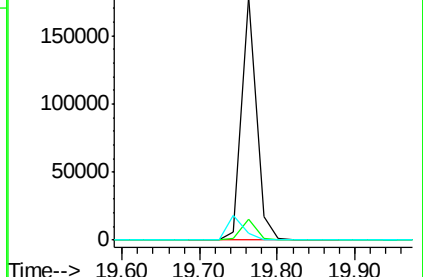
122 3.0 11.0 16.4#

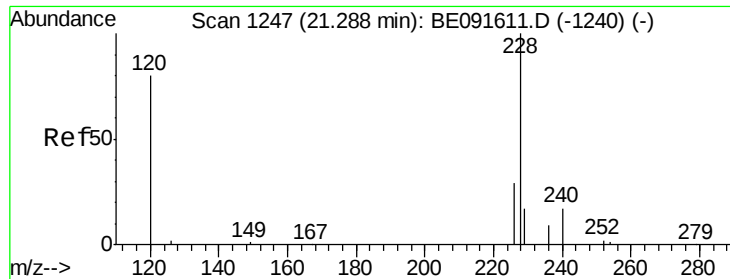


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160330

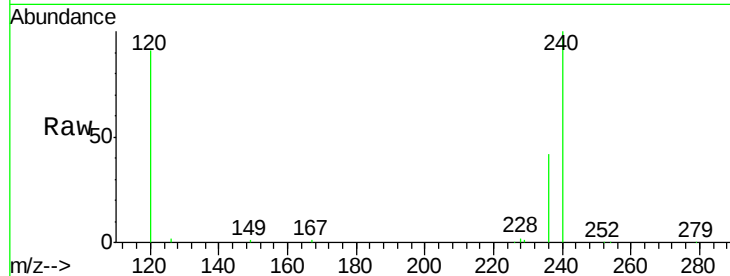
Tgt Ion:228 Resp: 1584

Ion Ratio Lower Upper

228 100

226 25.7 21.0 31.4

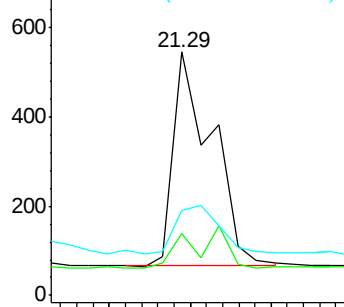
229 34.9 15.7 23.5#



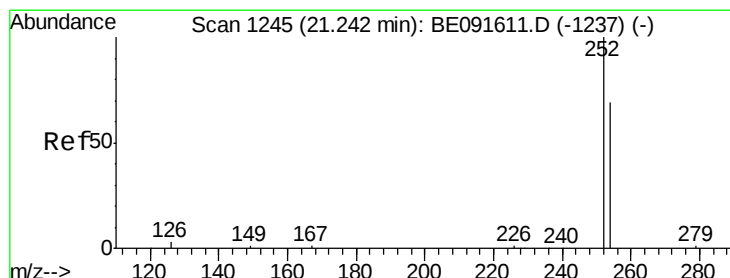
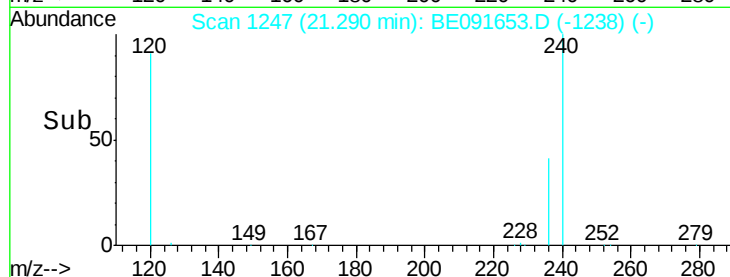
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#31

3,3'-Dichlorobenzidine

Concen: 0.17 ng

RT: 21.17 min Scan# 1242

Delta R.T. -0.07 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

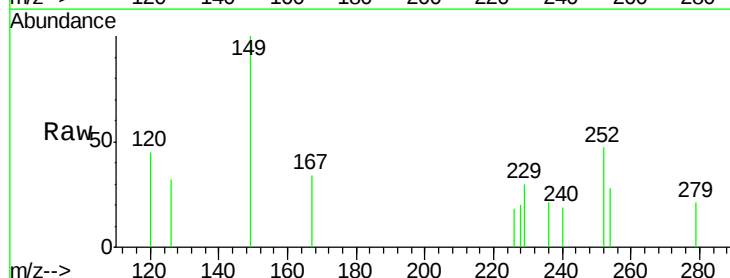
Tgt Ion:252 Resp: 397

Ion Ratio Lower Upper

252 100

254 61.0 51.1 76.7

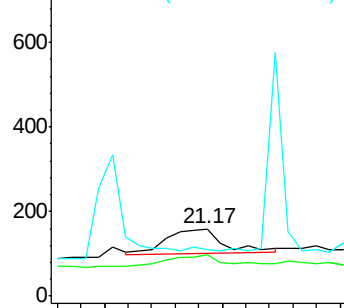
126 69.2 12.6 18.8#



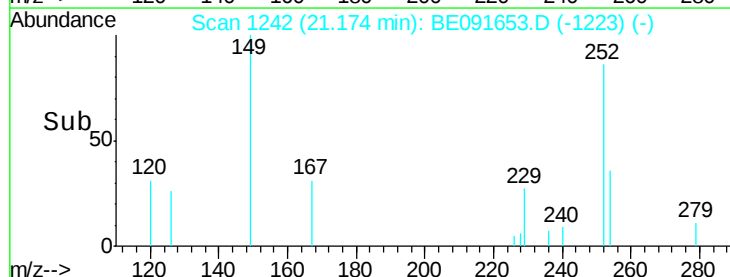
Abundance Ion 252.00 (251.70 to 252.70): E

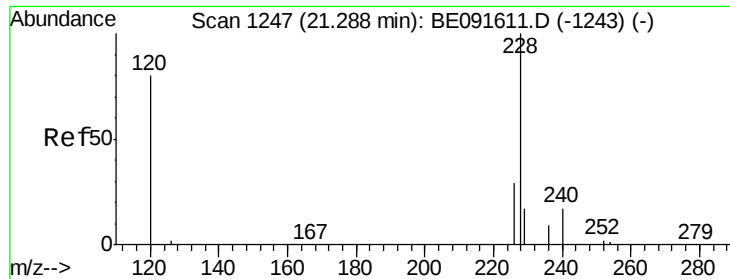
Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



Time-->





#32

Chrysene

Concen: 0.03 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.07 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

Instrument :

BNA_E

ClientSampleId :

KY038PS038-160330

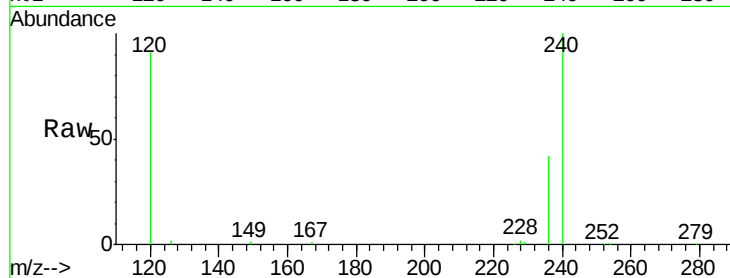
Tgt Ion:228 Resp: 1594

Ion Ratio Lower Upper

228 100

226 25.7 24.0 36.0

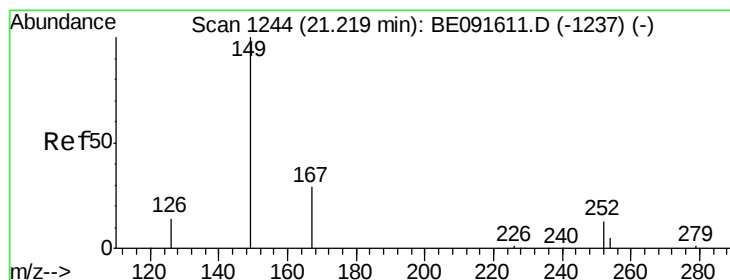
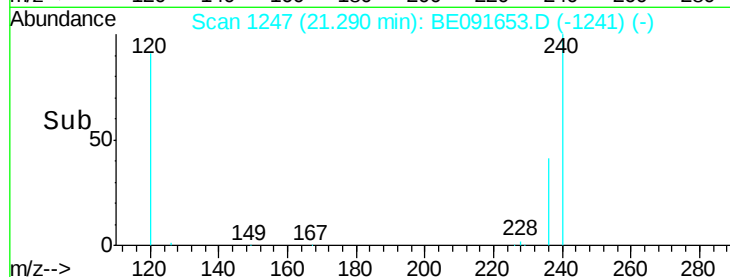
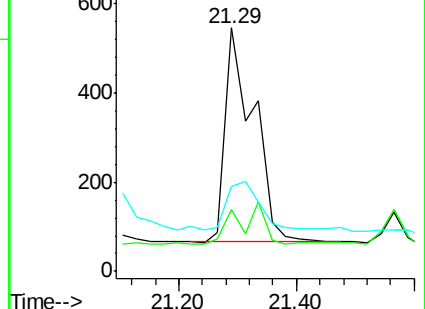
229 34.9 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091653.D

Acq: 13 Apr 2016 12:30

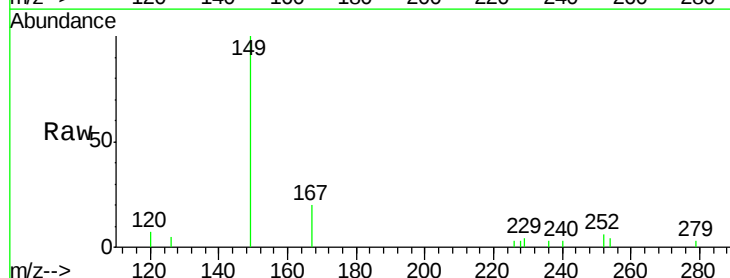
Tgt Ion:149 Resp: 4311

Ion Ratio Lower Upper

149 100

167 0.0 19.5 29.3#

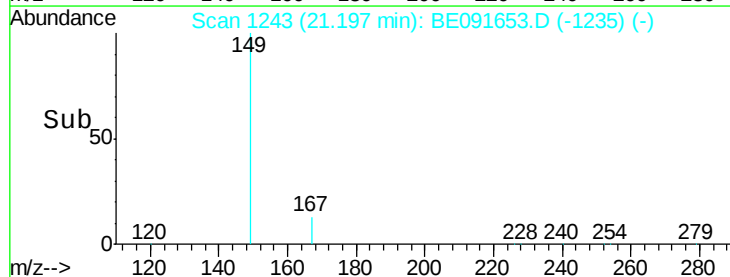
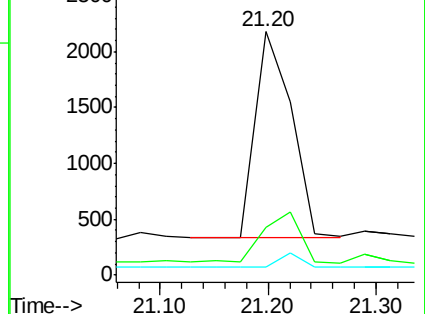
279 0.0 10.0 15.0#

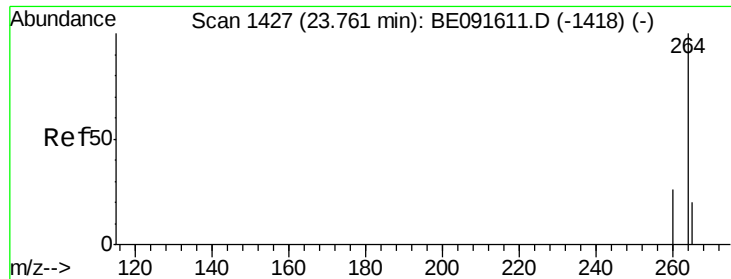


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

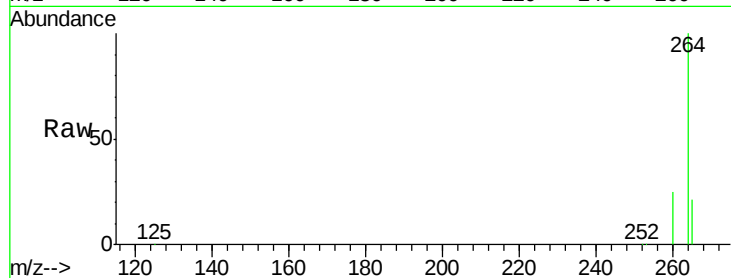




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.75 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BE091653.D
Acq: 13 Apr 2016 12:30

Instrument :
BNA_E
ClientSampleId :
KY038PS038-160330

Tgt Ion: 264 Resp: 297157
Ion Ratio Lower Upper
264 100
260 25.5 20.0 30.0
265 21.3 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

