

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE041116\
 Data File : BE091637.D
 Acq On : 11 Apr 2016 20:32
 Operator : UM/SJ
 Sample : H2248-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCONMHDGA005

Quant Time: Apr 12 01:48:41 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	41870	5.00	ng	-0.02
7) Naphthalene-d8	10.59	136	204841	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	126072	5.00	ng	0.00
19) Phenanthrene-d10	17.16	188	318189	5.00	ng	0.00
26) Chrysene-d12	21.31	240	418642	5.00	ng	0.00
35) Perylene-d12	23.76	264	378929	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	36957	3.70	ng	0.00
5) Phenol-d6	6.97	99	64464	4.84	ng	0.00
8) Nitrobenzene-d5	8.96	82	29026	2.44	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	16860	3.79	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	99481	2.84	ng	0.00
29) Terphenyl-d14	19.76	244	167811	3.21	ng	0.00

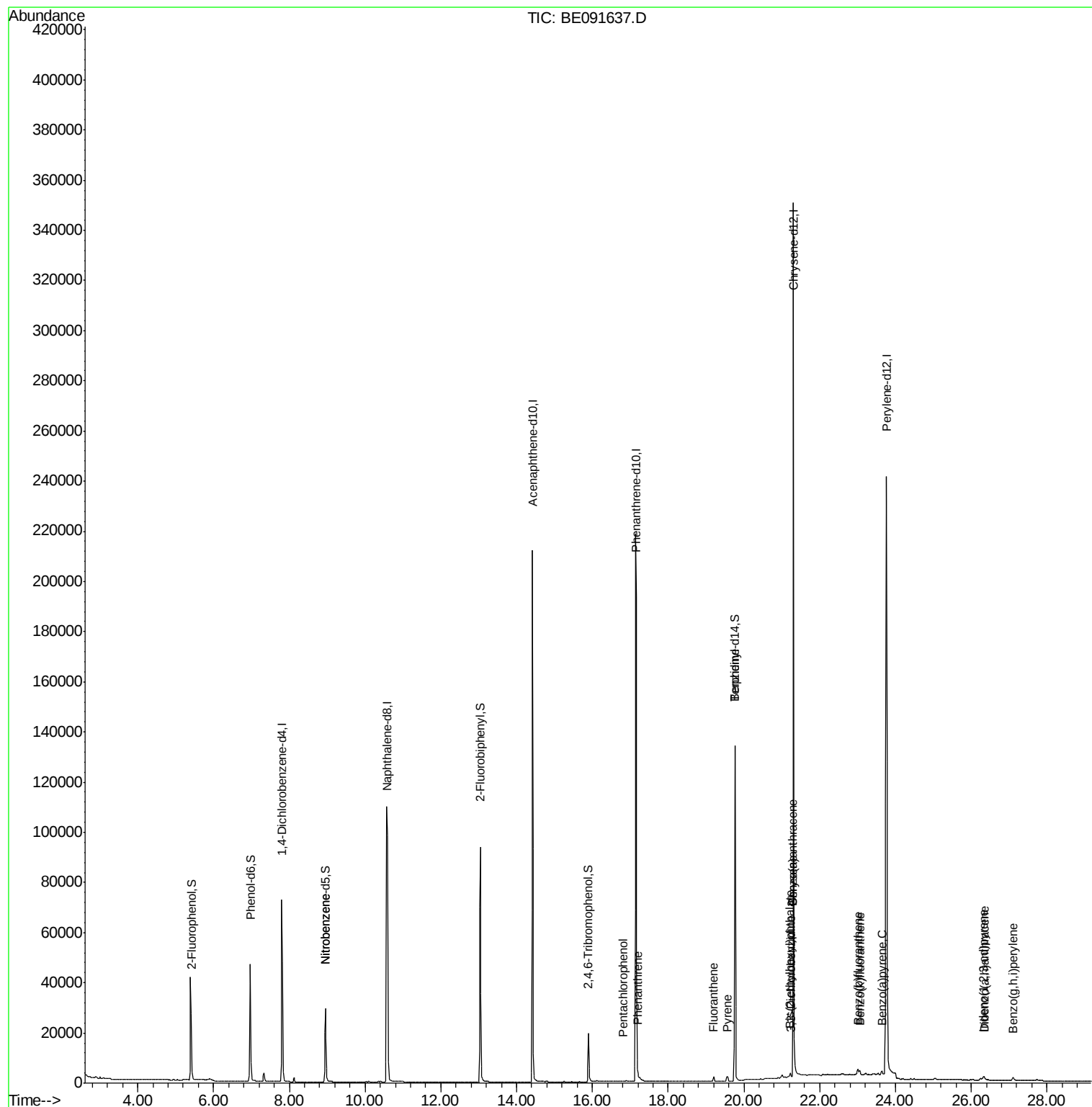
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Nitrobenzene	8.96	77	103	0.18	ng	# 56
22) Pentachlorophenol	16.81	266	101	0.24	ng	# 80
23) Phenanthrene	17.19	178	2052	0.03	ng	# 81
25) Fluoranthene	19.21	202	2376	0.03	ng	# 87
27) Benzidine	19.76	184	2809	0.40	ng	# 96
28) Pyrene	19.57	202	2738	0.03	ng	# 91
30) Benzo(a)anthracene	21.29	228	6489	0.07	ng	# 93
31) 3,3'-Dichlorobenzidine	21.24	252	271	0.17	ng	# 1
32) Chrysene	21.29	228	6360	0.07	ng	# 94
33) Bis(2-ethylhexyl)phthalate	21.22	149	2076	0.29	ng	# 81
34) Indeno(1,2,3-cd)pyrene	26.32	276	2661	0.03	ng	# 94
36) Benzo(b)fluoranthene	23.01	252	3160	0.04	ng	# 1
37) Benzo(k)fluoranthene	23.06	252	2120	0.02	ng	# 1
38) Benzo(a)pyrene	23.65	252	2174	0.03	ng	# 1
39) Dibenzo(a,h)anthracene	26.35	278	1926	0.02	ng	# 1
40) Benzo(g,h,i)perylene	27.11	276	2834	0.03	ng	# 64

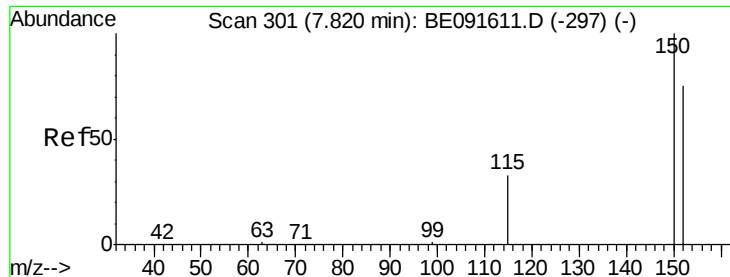
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. -0.02 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

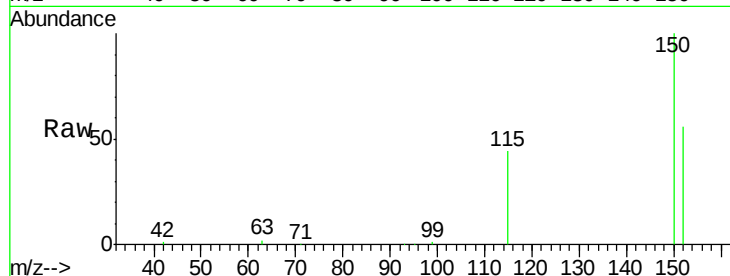
Tgt Ion:152 Resp: 41870

Ion Ratio Lower Upper

152 100

150 178.9 122.6 183.8

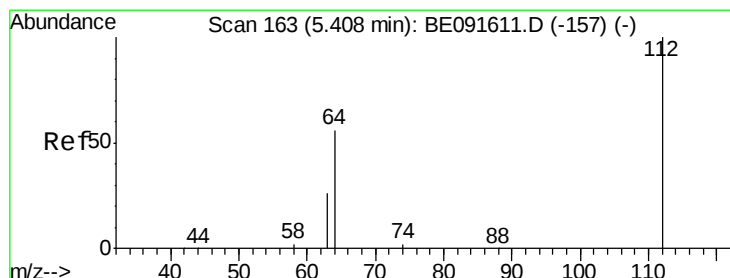
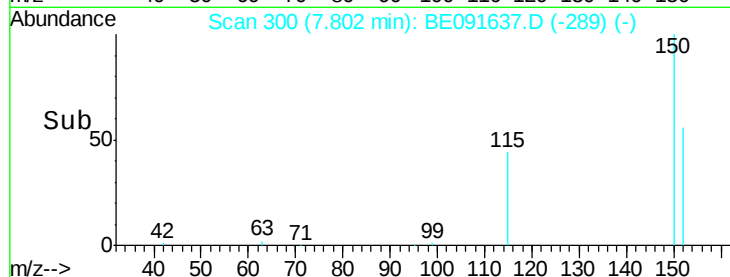
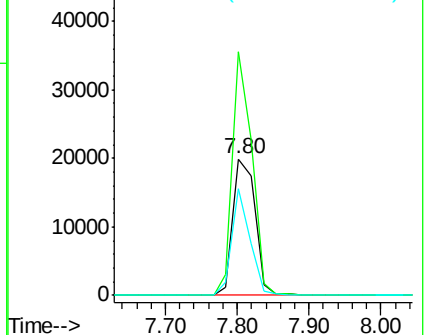
115 78.3 52.8 79.2



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



#4

2-Fluorophenol

Concen: 3.70 ng

RT: 5.41 min Scan# 163

Delta R.T. 0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

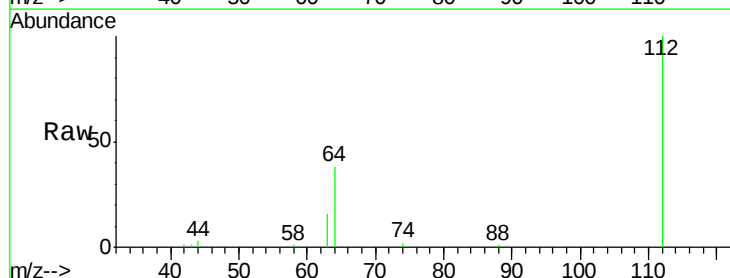
Tgt Ion:112 Resp: 36957

Ion Ratio Lower Upper

112 100

64 68.8 30.9 46.3#

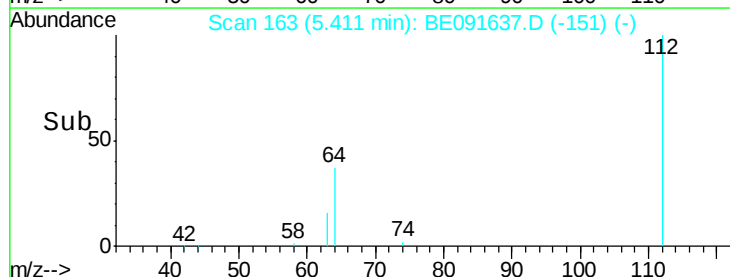
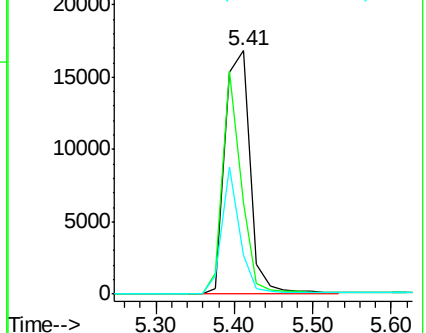
63 37.6 16.7 25.1#

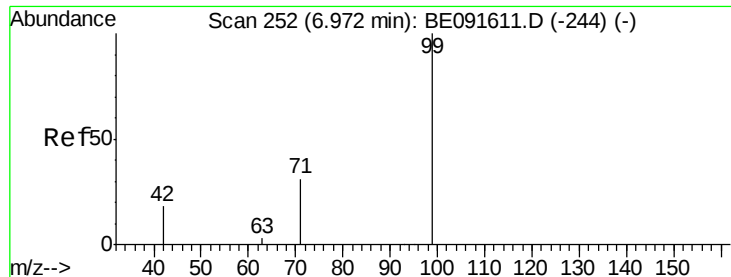


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 4.84 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

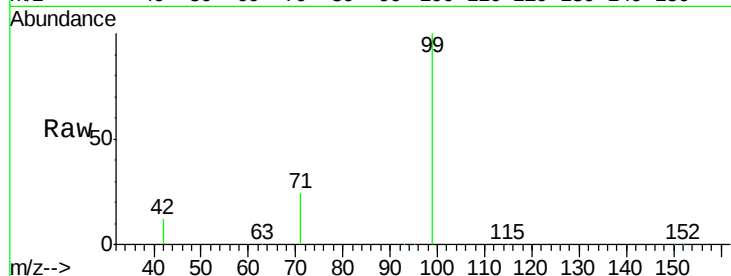
Tgt Ion: 99 Resp: 64464

Ion Ratio Lower Upper

99 100

42 25.2 16.2 24.2#

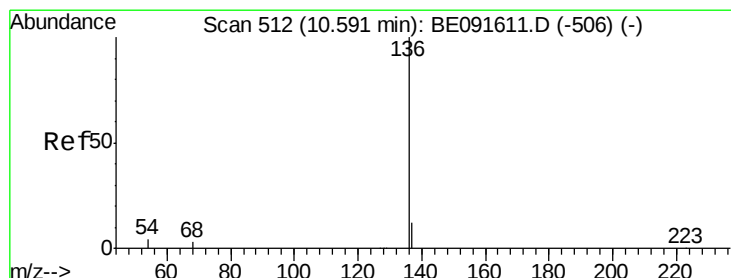
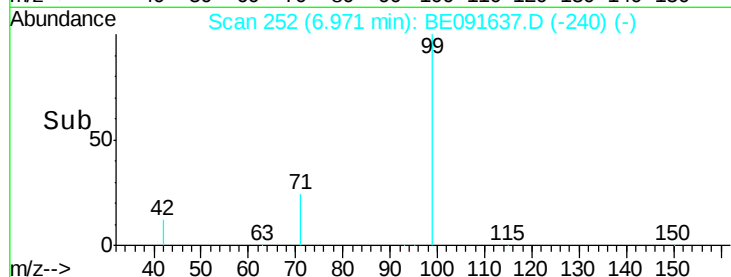
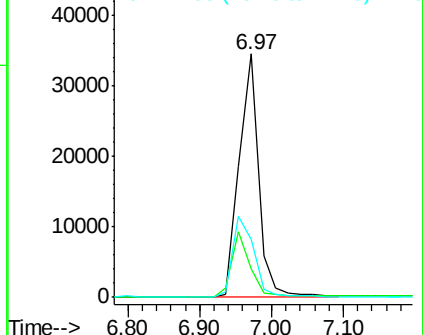
71 35.9 29.0 43.4



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Tgt Ion: 136 Resp: 204841

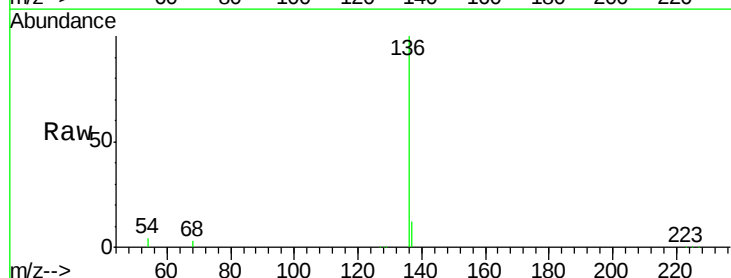
Ion Ratio Lower Upper

136 100

137 12.2 8.9 13.3

54 3.6 8.2 12.4#

68 3.0 6.2 9.4#

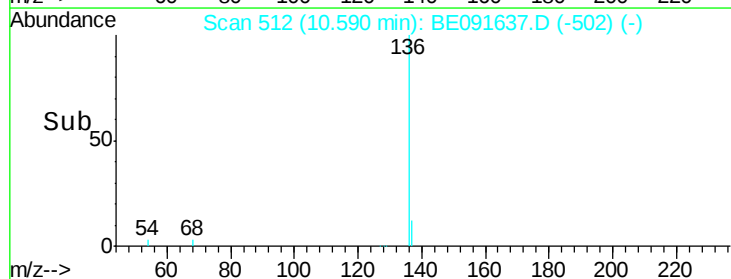
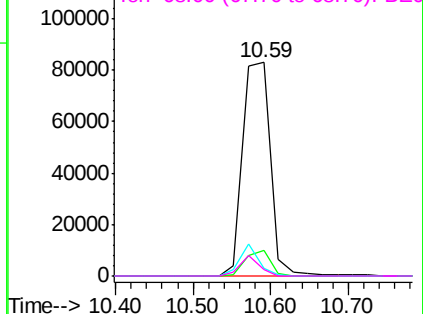


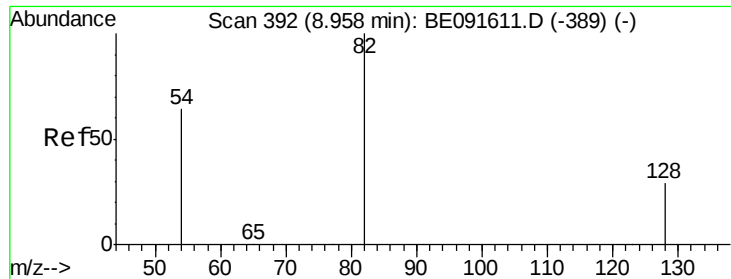
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 2.44 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

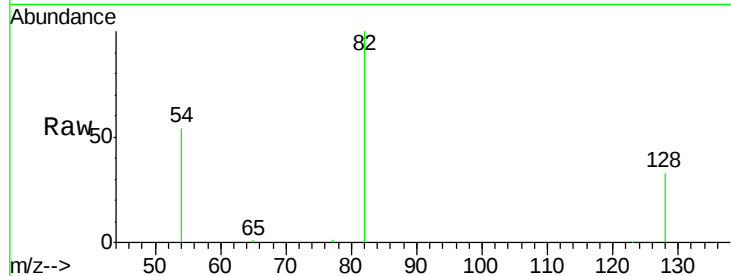
Tgt Ion: 82 Resp: 29026

Ion Ratio Lower Upper

82 100

128 33.4 25.4 38.0

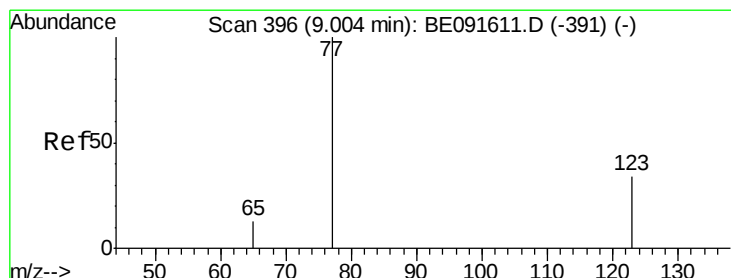
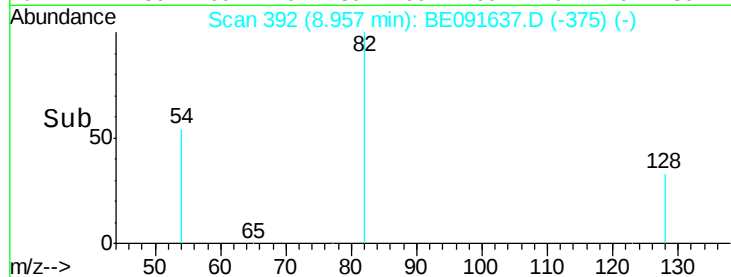
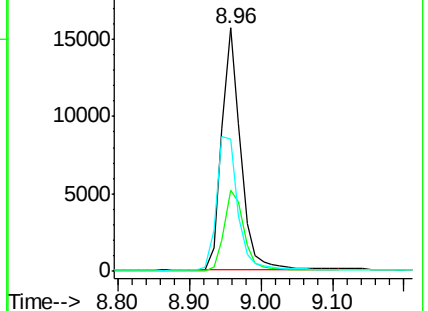
54 54.4 48.4 72.6



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



#9

Nitrobenzene

Concen: 0.18 ng

RT: 8.96 min Scan# 392

Delta R.T. -0.05 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

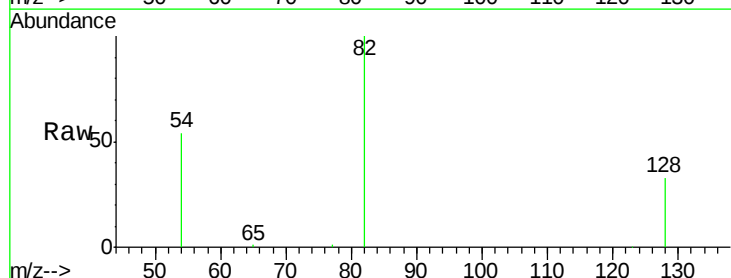
Tgt Ion: 77 Resp: 103

Ion Ratio Lower Upper

77 100

123 5.8 26.9 40.3#

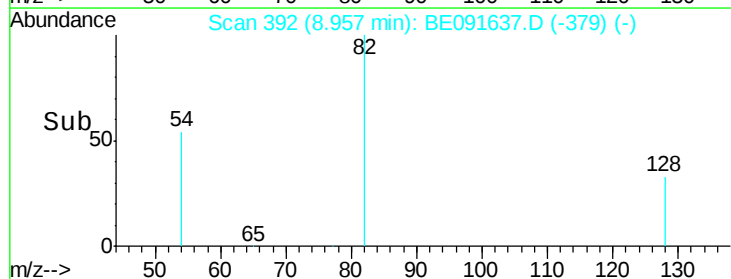
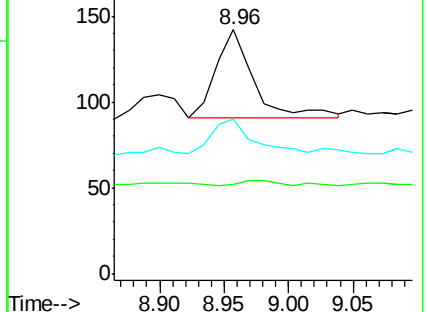
65 0.0 9.4 14.2#

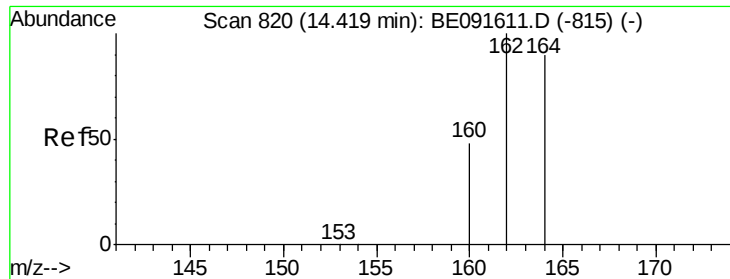


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.42 min Scan# 820

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

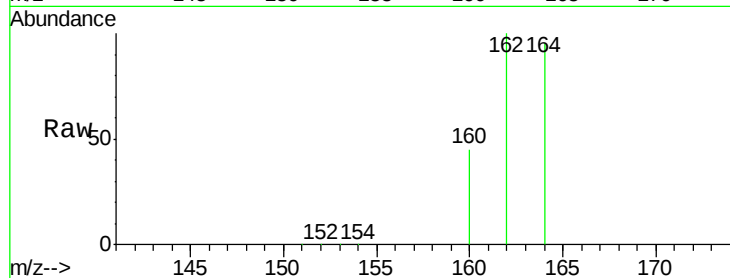
Tgt Ion:164 Resp: 126072

Ion Ratio Lower Upper

164 100

162 105.5 85.3 127.9

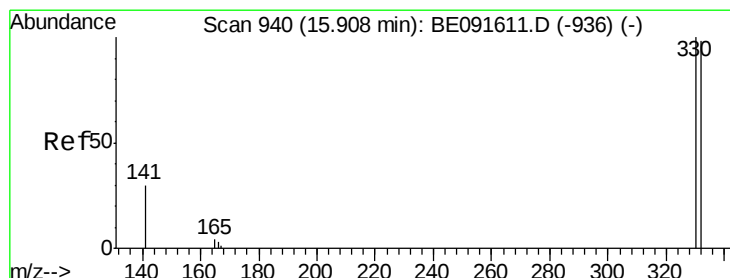
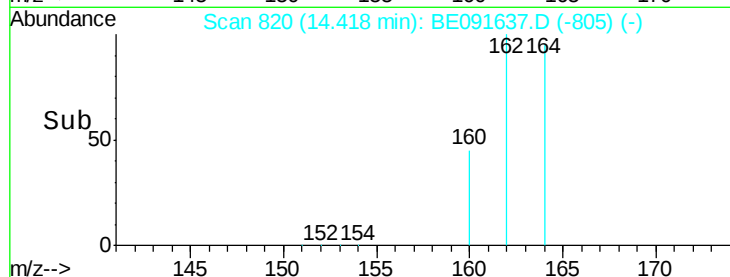
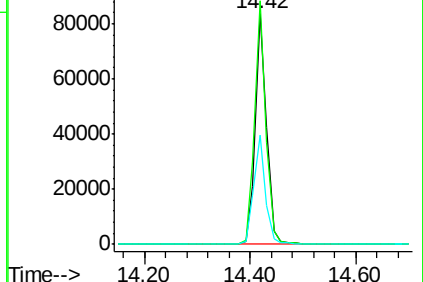
160 47.6 46.2 69.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 3.79 ng

RT: 15.90 min Scan# 939

Delta R.T. -0.01 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

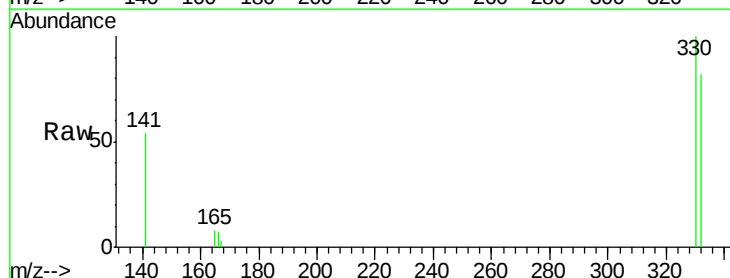
Tgt Ion:330 Resp: 16860

Ion Ratio Lower Upper

330 100

332 96.8 79.1 118.7

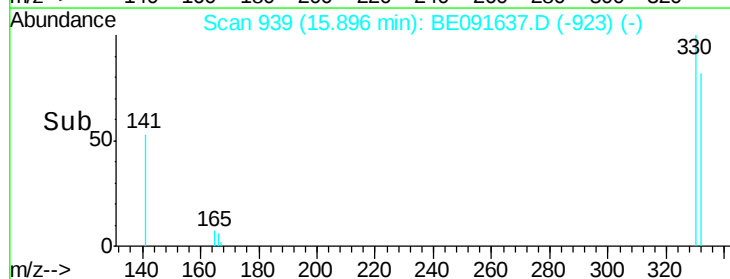
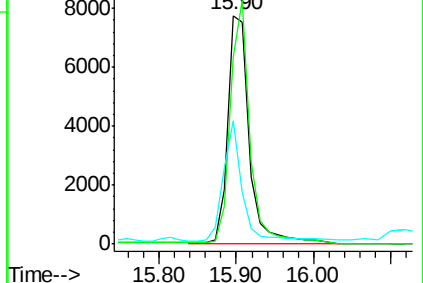
141 45.3 125.4 188.0#

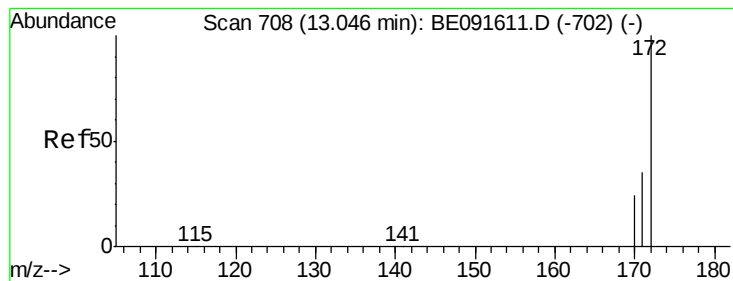


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

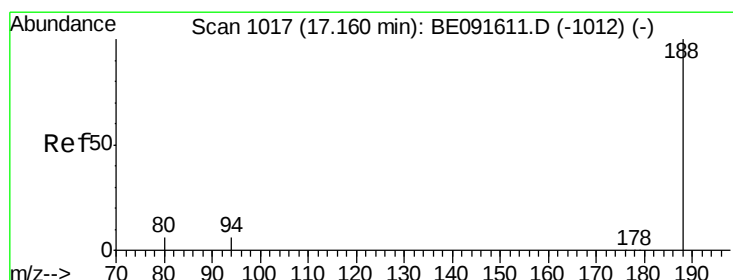
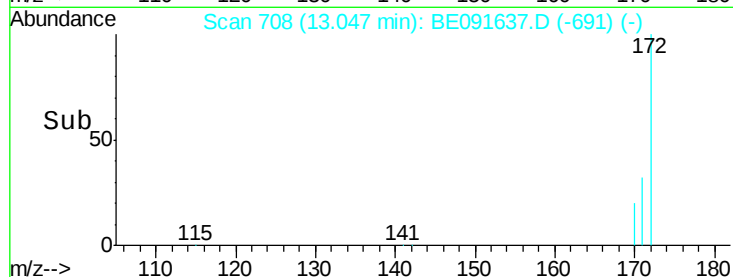
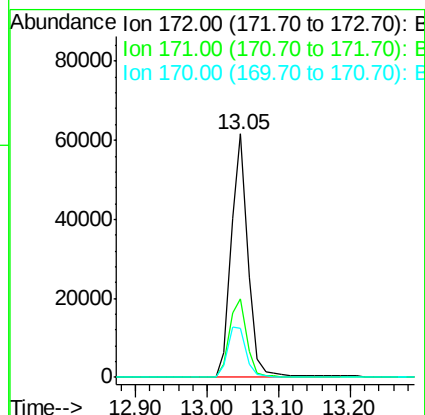
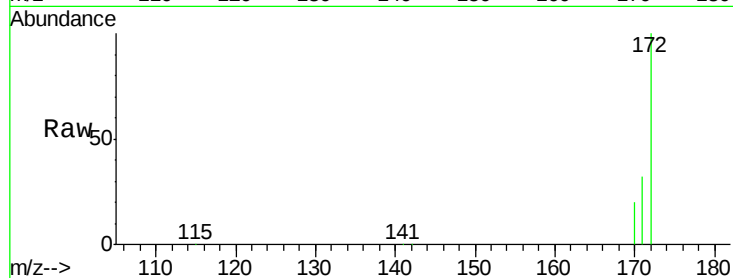




#15
 2-Fluorobiphenyl
 Concen: 2.84 ng
 RT: 13.05 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: BE091637.D
 Acq: 11 Apr 2016 20:32

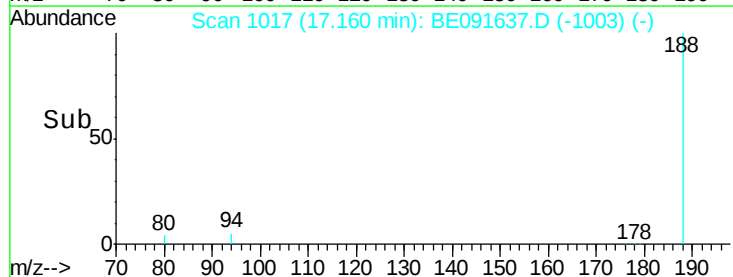
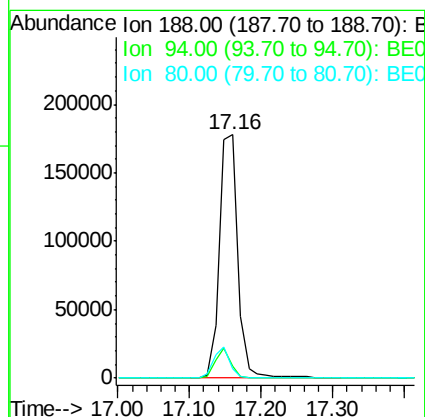
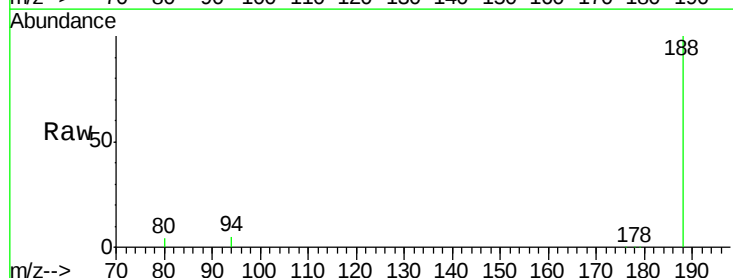
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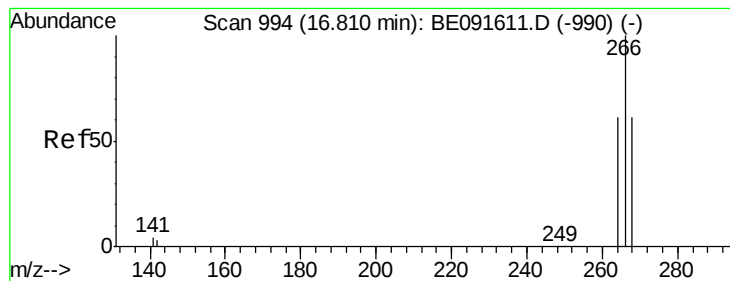
Tgt Ion:172 Resp: 99481
 Ion Ratio Lower Upper
 172 100
 171 32.3 28.8 43.2
 170 20.0 19.3 28.9



#19
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.16 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BE091637.D
 Acq: 11 Apr 2016 20:32

Tgt Ion:188 Resp: 318189
 Ion Ratio Lower Upper
 188 100
 94 4.7 8.7 13.1#
 80 4.0 9.4 14.0#





#22

Pentachlorophenol

Concen: 0.24 ng

RT: 16.81 min Scan# 994

Delta R.T. 0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

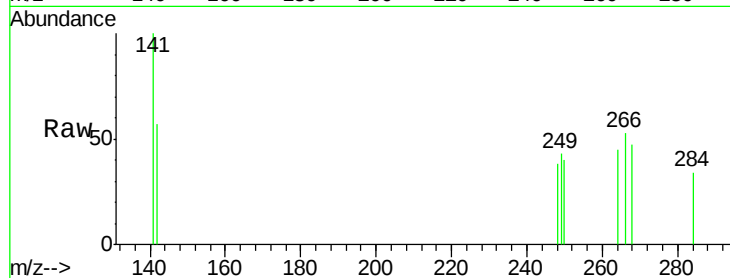
Tgt Ion:266 Resp: 101

Ion Ratio Lower Upper

266 100

268 90.0 58.2 87.2#

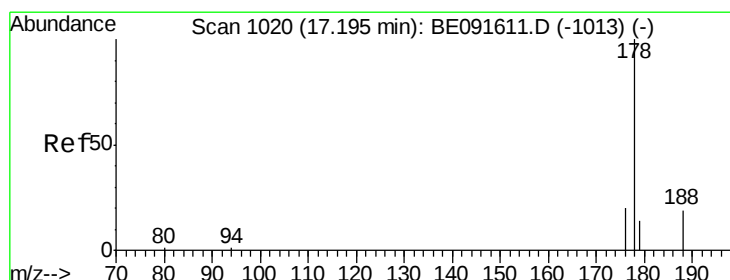
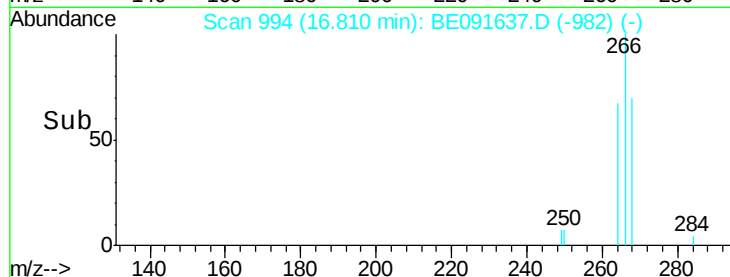
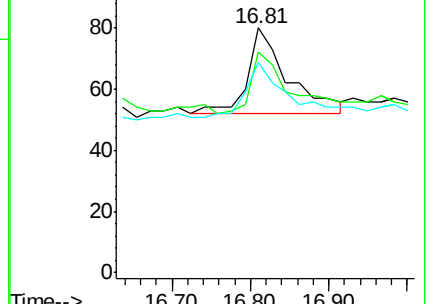
264 86.3 56.2 84.4#



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



#23

Phenanthrene

Concen: 0.03 ng

RT: 17.19 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

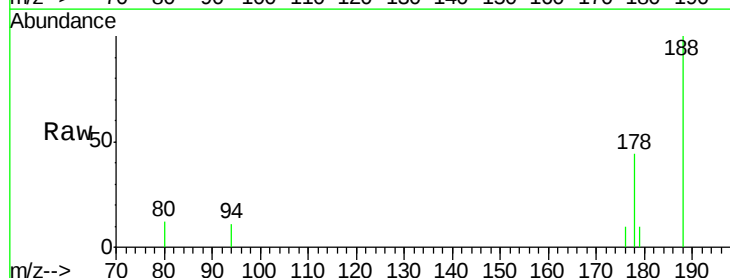
Tgt Ion:178 Resp: 2052

Ion Ratio Lower Upper

178 100

176 17.3 15.3 22.9

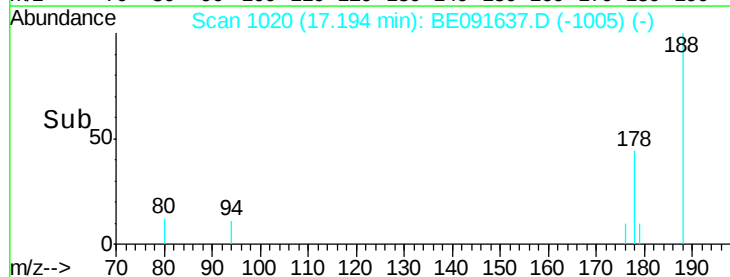
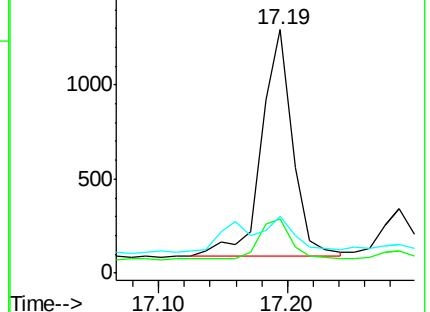
179 0.0 12.6 18.8#

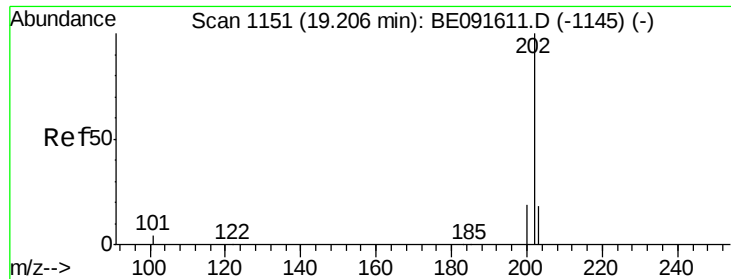


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.03 ng

RT: 19.21 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

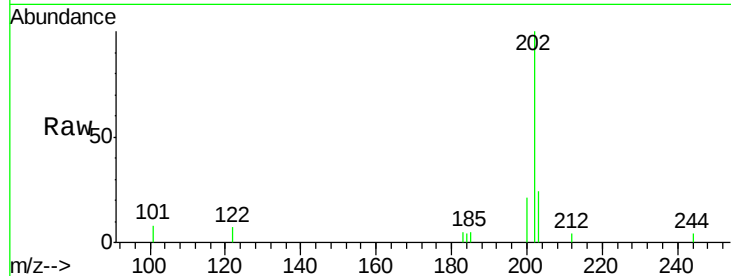
Tgt Ion: 202 Resp: 2376

Ion Ratio Lower Upper

202 100

101 10.6 11.0 16.6#

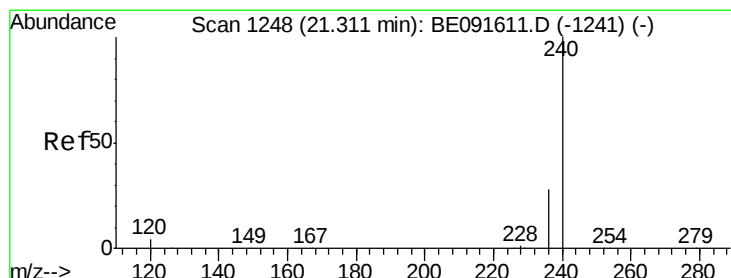
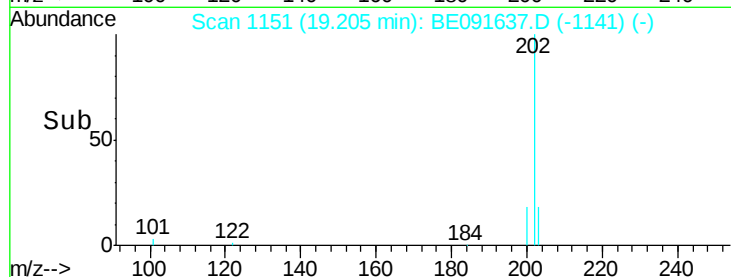
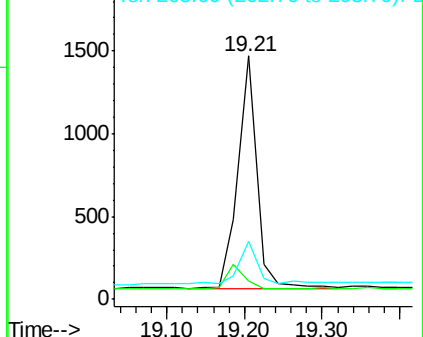
203 24.7 13.9 20.9#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

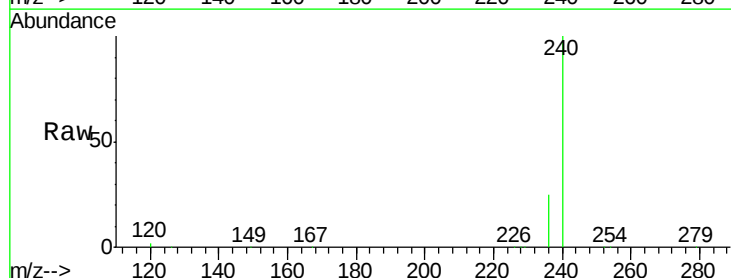
Tgt Ion: 240 Resp: 418642

Ion Ratio Lower Upper

240 100

120 1.8 11.0 16.4#

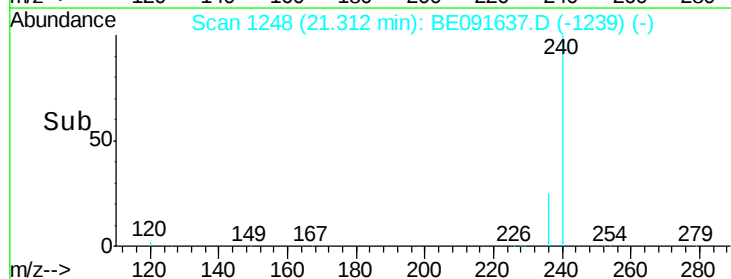
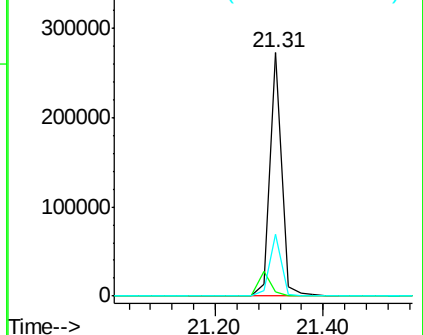
236 25.5 21.7 32.5

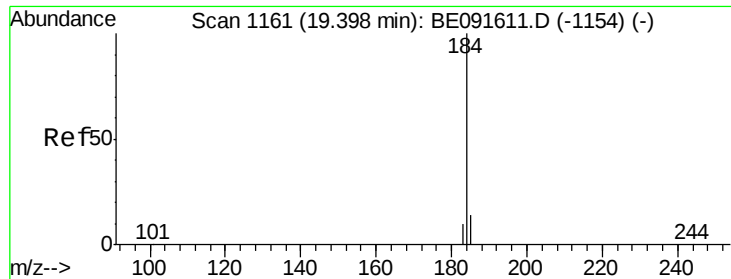


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.40 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.37 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

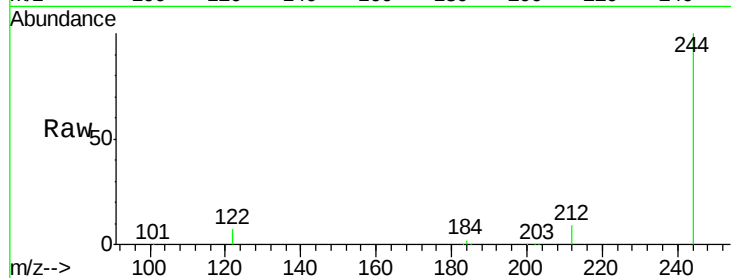
Tgt Ion:184 Resp: 2809

Ion Ratio Lower Upper

184 100

185 26.1 22.3 33.5

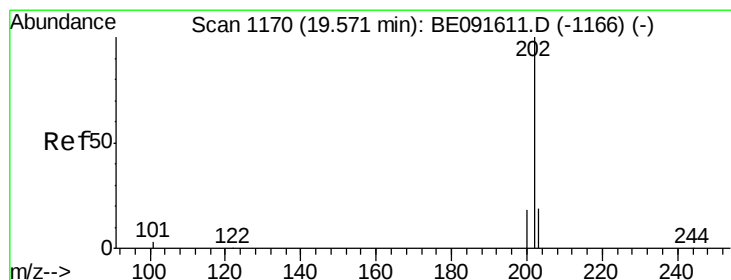
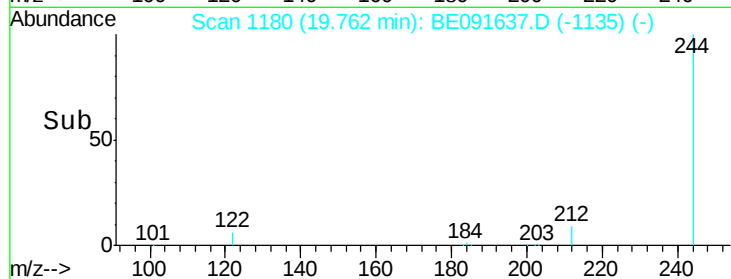
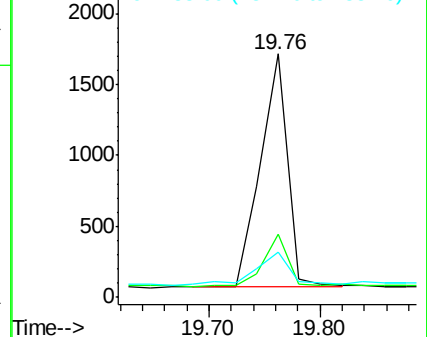
183 18.4 16.4 24.6



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



#28

Pyrene

Concen: 0.03 ng

RT: 19.57 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

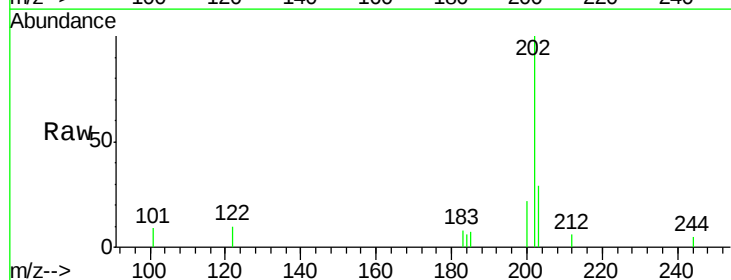
Tgt Ion:202 Resp: 2738

Ion Ratio Lower Upper

202 100

200 21.8 16.8 25.2

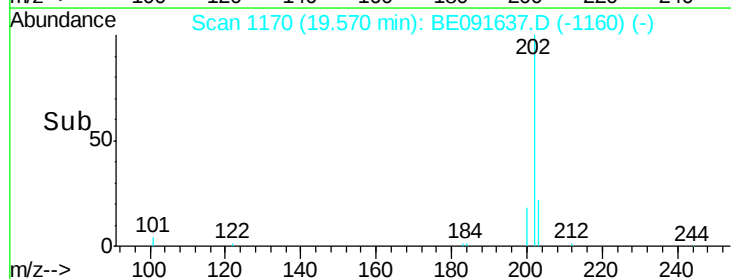
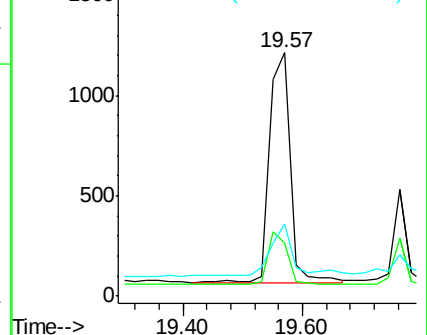
203 25.3 14.0 21.0#

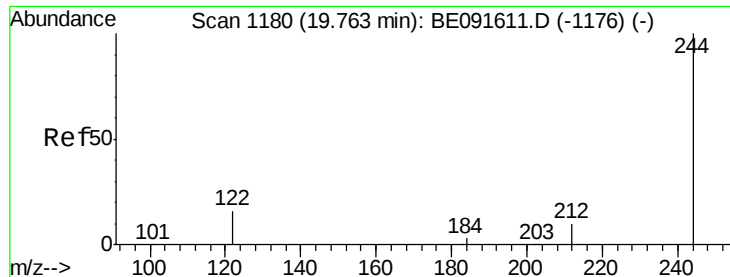


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 3.21 ng

RT: 19.76 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

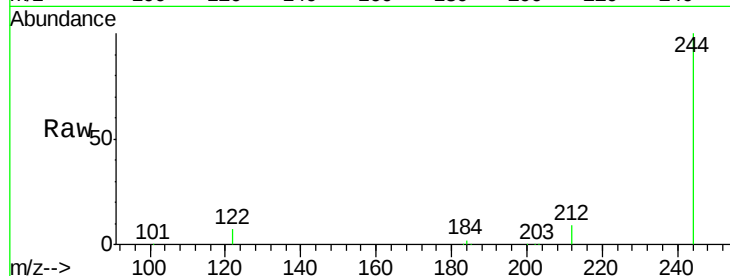
Tgt Ion:244 Resp: 167811

Ion Ratio Lower Upper

244 100

212 9.2 6.9 10.3

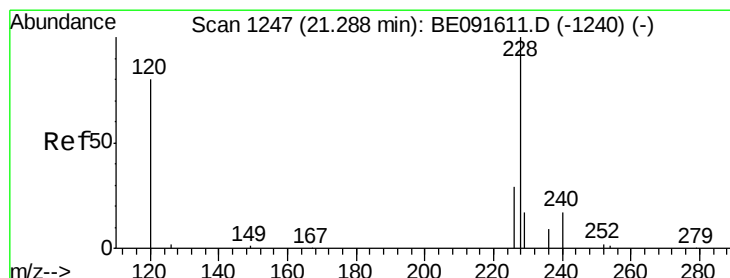
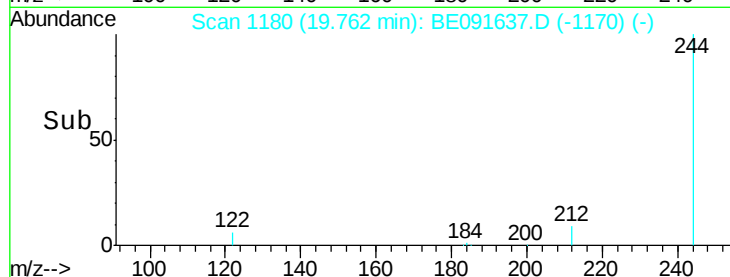
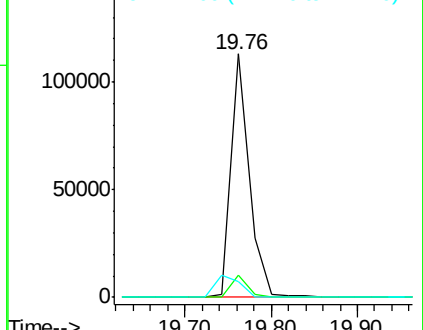
122 6.5 11.0 16.4#



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: 0.07 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

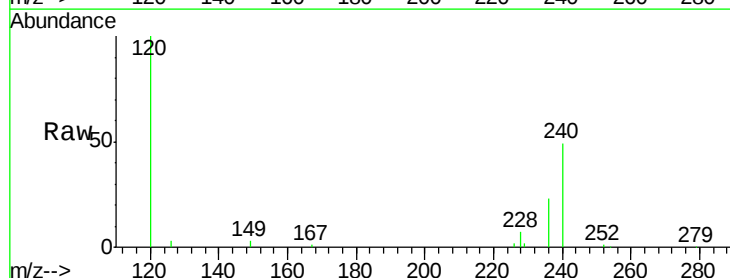
Tgt Ion:228 Resp: 6489

Ion Ratio Lower Upper

228 100

226 28.5 21.0 31.4

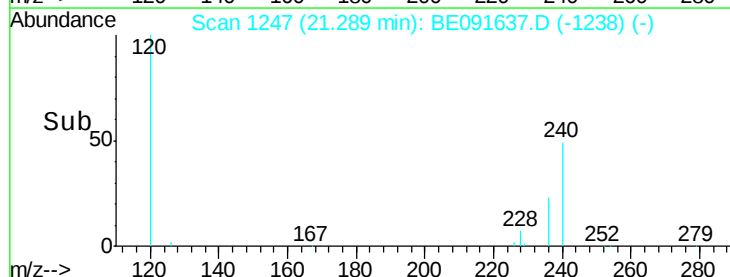
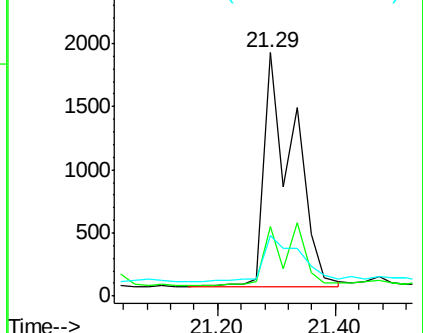
229 24.7 15.7 23.5#

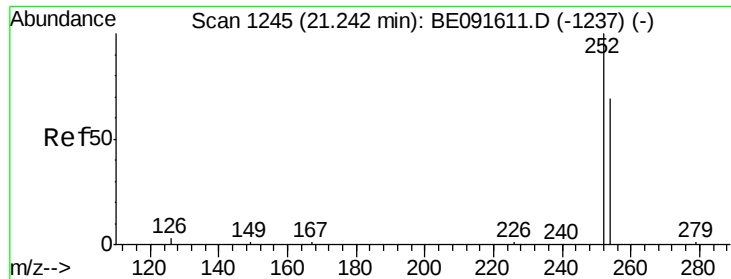


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

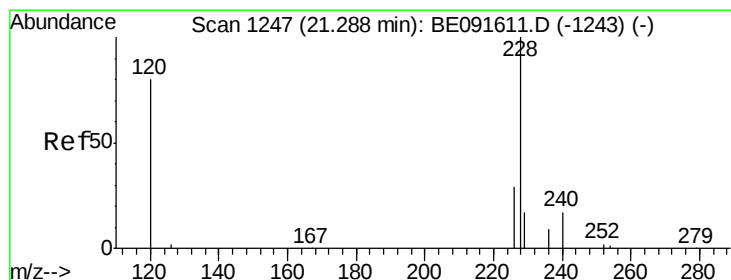
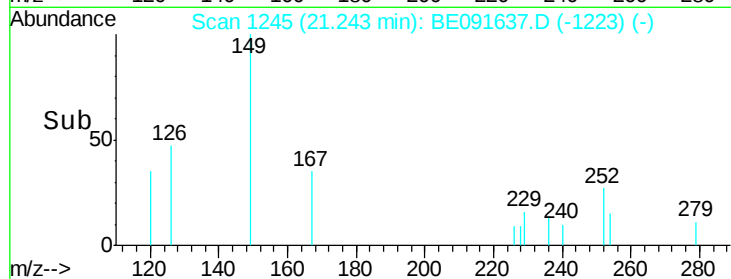
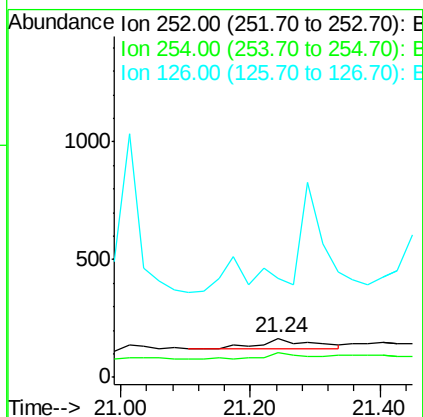
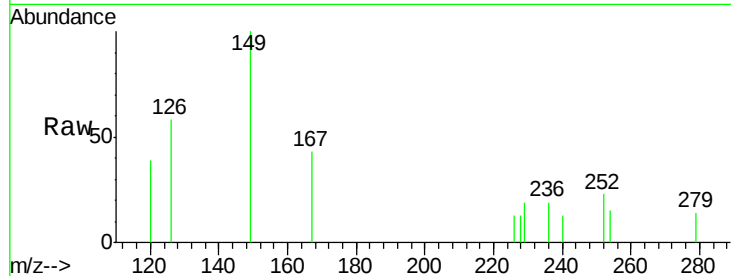




#31
 3,3'-Dichlorobenzidine
 Concen: 0.17 ng
 RT: 21.24 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: BE091637.D
 Acq: 11 Apr 2016 20:32

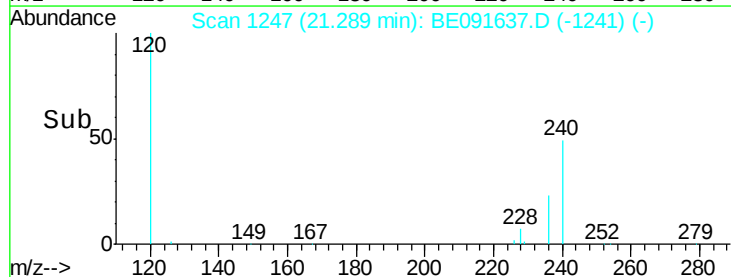
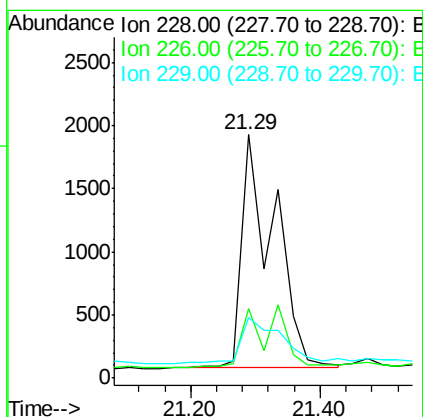
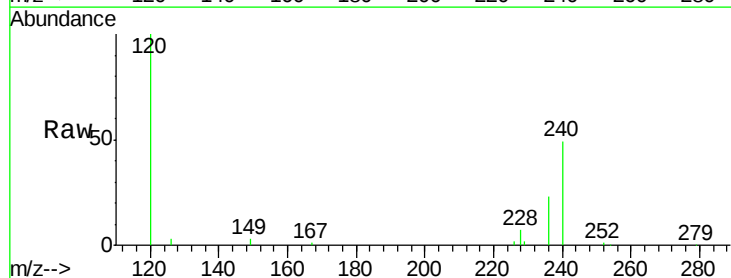
Instrument :
 BNA_E
 ClientSampleId :
 TILCONMHDGA005

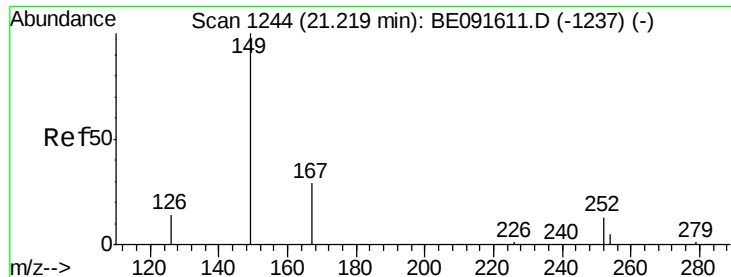
Tgt Ion: 252 Resp: 271
 Ion Ratio Lower Upper
 252 100
 254 63.5 51.1 76.7
 126 250.9 12.6 18.8#



#32
 Chrysene
 Concen: 0.07 ng
 RT: 21.29 min Scan# 1247
 Delta R.T. -0.07 min
 Lab File: BE091637.D
 Acq: 11 Apr 2016 20:32

Tgt Ion: 228 Resp: 6360
 Ion Ratio Lower Upper
 228 100
 226 28.5 24.0 36.0
 229 24.7 15.9 23.9#

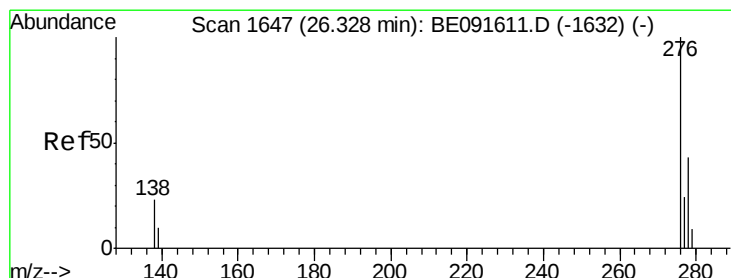
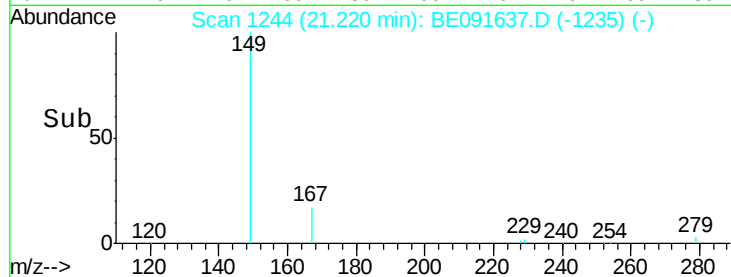
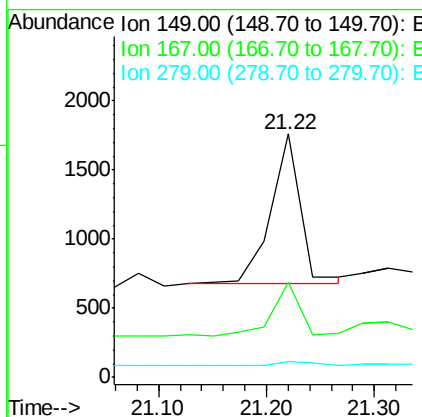
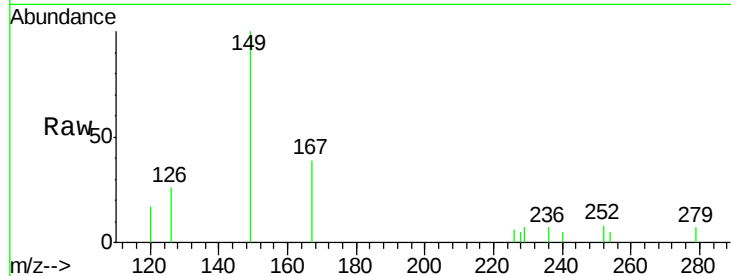




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.29 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BE091637.D
 Acq: 11 Apr 2016 20:32

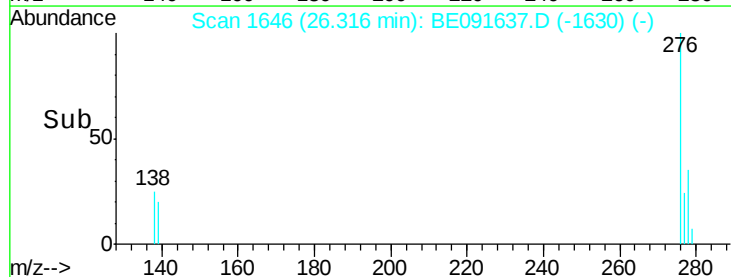
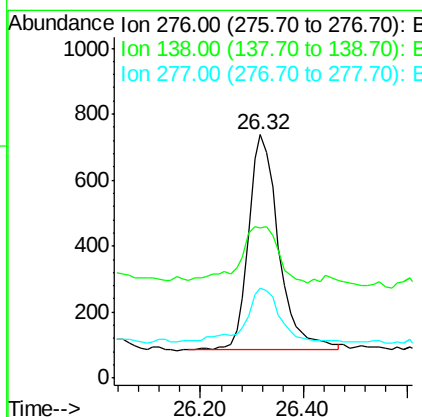
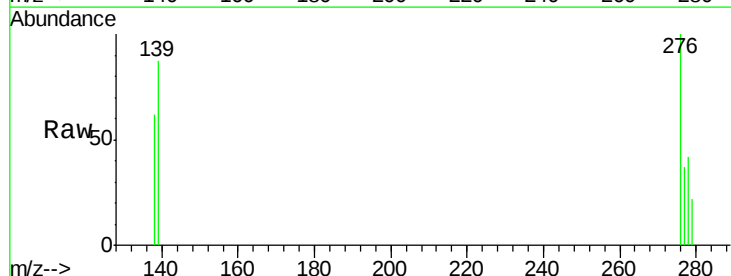
Instrument :
 BNA_E
 ClientSampleId :
 TILCONMHDGA005

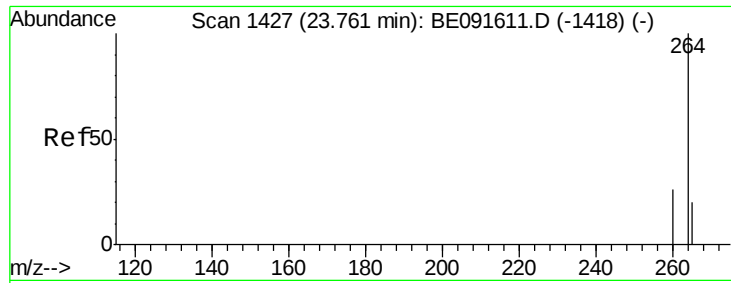
Tgt Ion: 149 Resp: 2076
 Ion Ratio Lower Upper
 149 100
 167 32.8 19.5 29.3#
 279 3.8 10.0 15.0#



#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 26.32 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BE091637.D
 Acq: 11 Apr 2016 20:32

Tgt Ion: 276 Resp: 2661
 Ion Ratio Lower Upper
 276 100
 138 33.1 23.4 35.2
 277 27.4 19.8 29.8

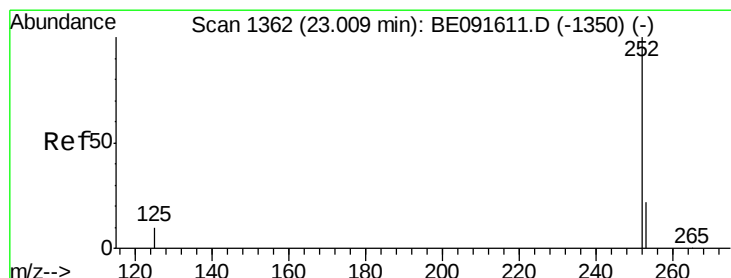
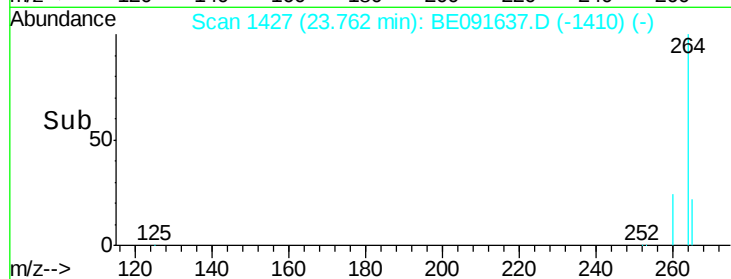
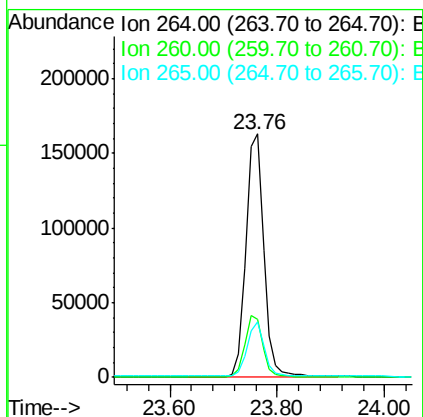
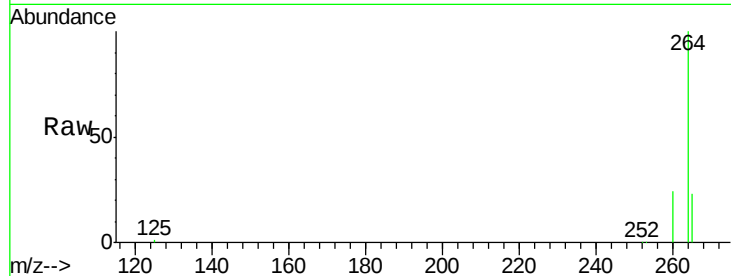




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BE091637.D
Acq: 11 Apr 2016 20:32

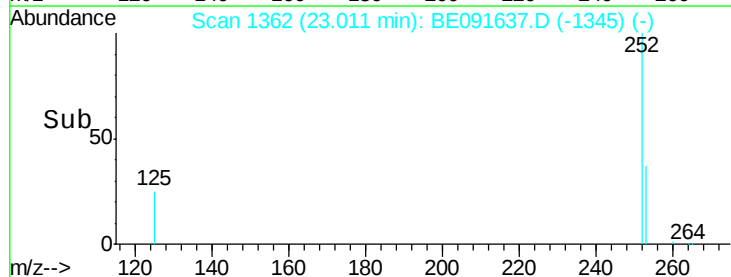
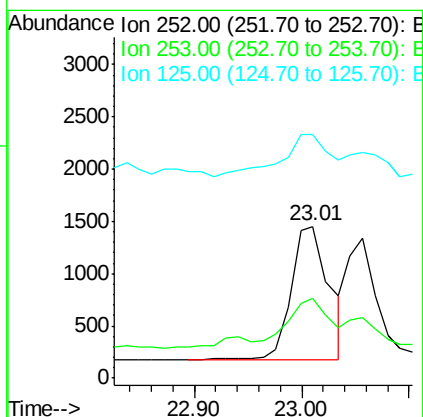
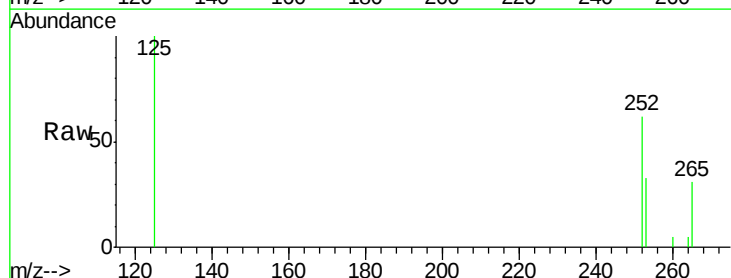
Instrument :
BNA_E
ClientSampleId :
TILCONMHDGA005

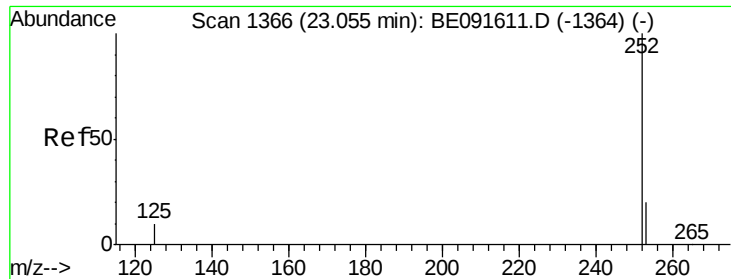
Tgt Ion:264 Resp: 378929
Ion Ratio Lower Upper
264 100
260 23.7 20.0 30.0
265 22.7 17.5 26.3



#36
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 23.01 min Scan# 1362
Delta R.T. 0.00 min
Lab File: BE091637.D
Acq: 11 Apr 2016 20:32

Tgt Ion:252 Resp: 3160
Ion Ratio Lower Upper
252 100
253 52.5 17.4 26.0#
125 160.5 10.2 15.2#

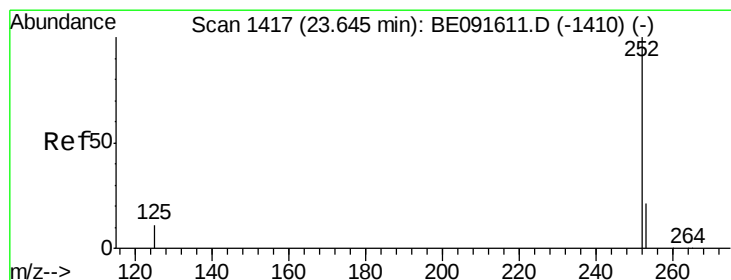
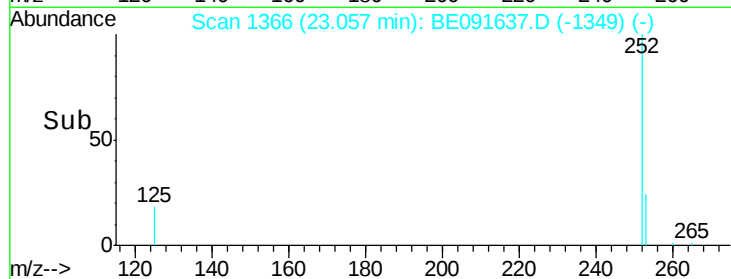
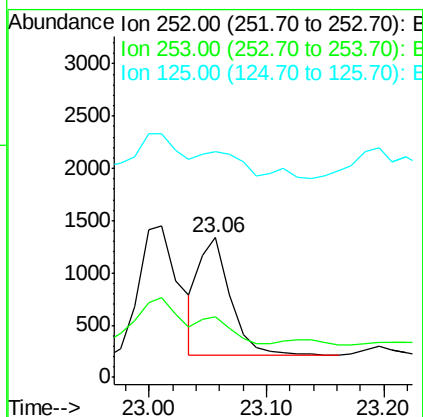
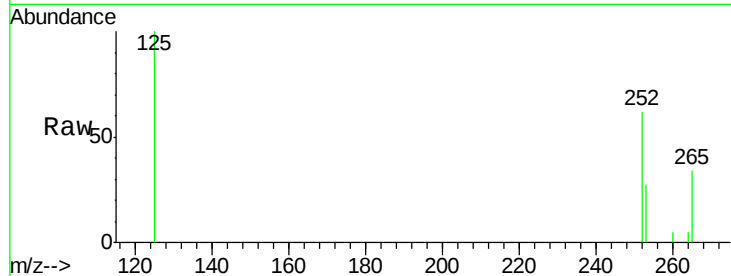




#37
Benzo(k)fluoranthene
Concen: 0.02 ng
RT: 23.06 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE091637.D
Acq: 11 Apr 2016 20:32

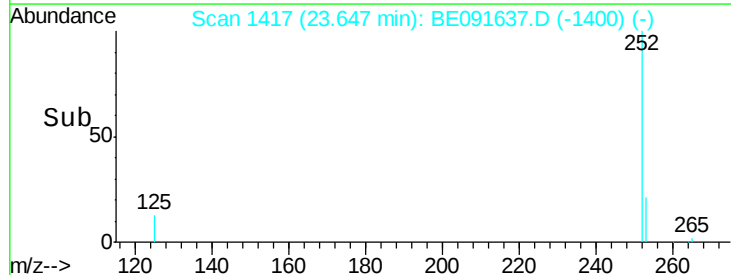
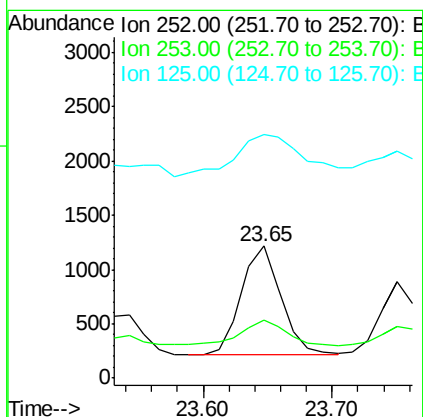
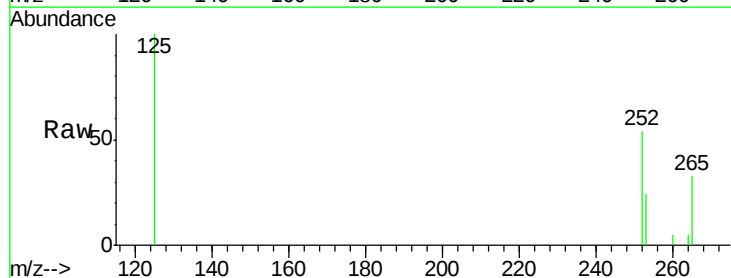
Instrument :
BNA_E
ClientSampleId :
TILCONMHDGA005

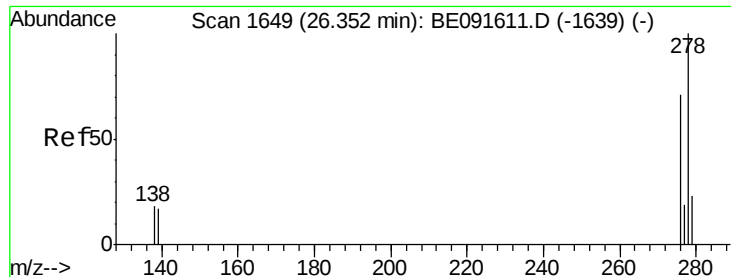
Tgt Ion:252 Resp: 2120
Ion Ratio Lower Upper
252 100
253 43.0 17.6 26.4#
125 162.1 9.9 14.9#



#38
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.65 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BE091637.D
Acq: 11 Apr 2016 20:32

Tgt Ion:252 Resp: 2174
Ion Ratio Lower Upper
252 100
253 43.8 18.1 27.1#
125 184.3 11.0 16.4#





#39

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.35 min Scan# 1649

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

Instrument :

BNA_E

ClientSampleId :

TILCONMHDGA005

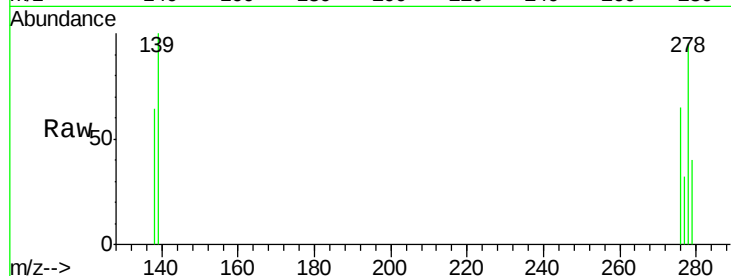
Tgt Ion: 278 Resp: 1926

Ion Ratio Lower Upper

278 100

139 105.6 16.0 24.0#

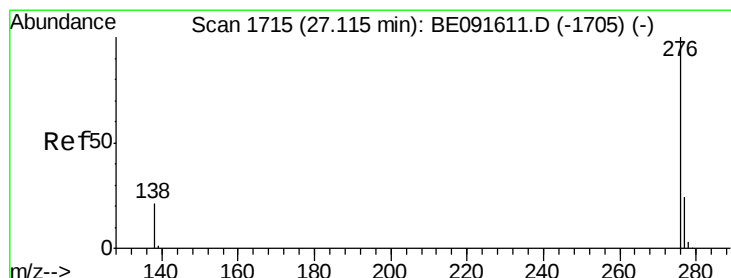
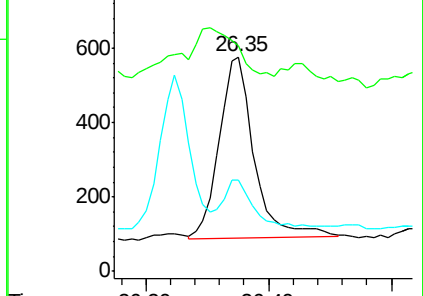
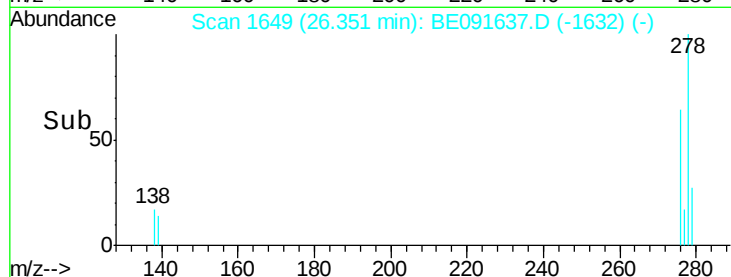
279 42.7 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#40

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 27.11 min Scan# 1715

Delta R.T. -0.00 min

Lab File: BE091637.D

Acq: 11 Apr 2016 20:32

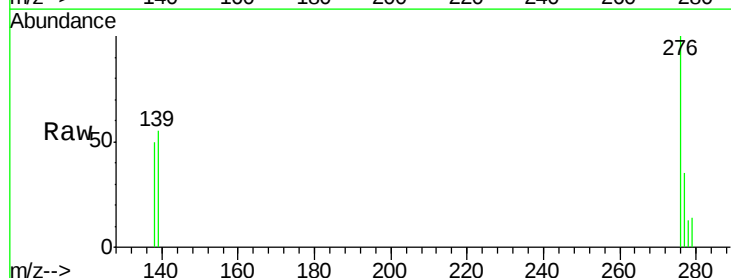
Tgt Ion: 276 Resp: 2834

Ion Ratio Lower Upper

276 100

277 34.8 18.6 28.0#

138 49.9 20.4 30.6#



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

