

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031716\
 Data File : BE091464.D
 Acq On : 17 Mar 2016 13:34
 Operator : UM/SJ
 Sample : H1746-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-0.75STONE-001

Quant Time: Mar 17 16:15:32 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE031616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 17 15:28:00 2016
 Response via : Initial Calibration

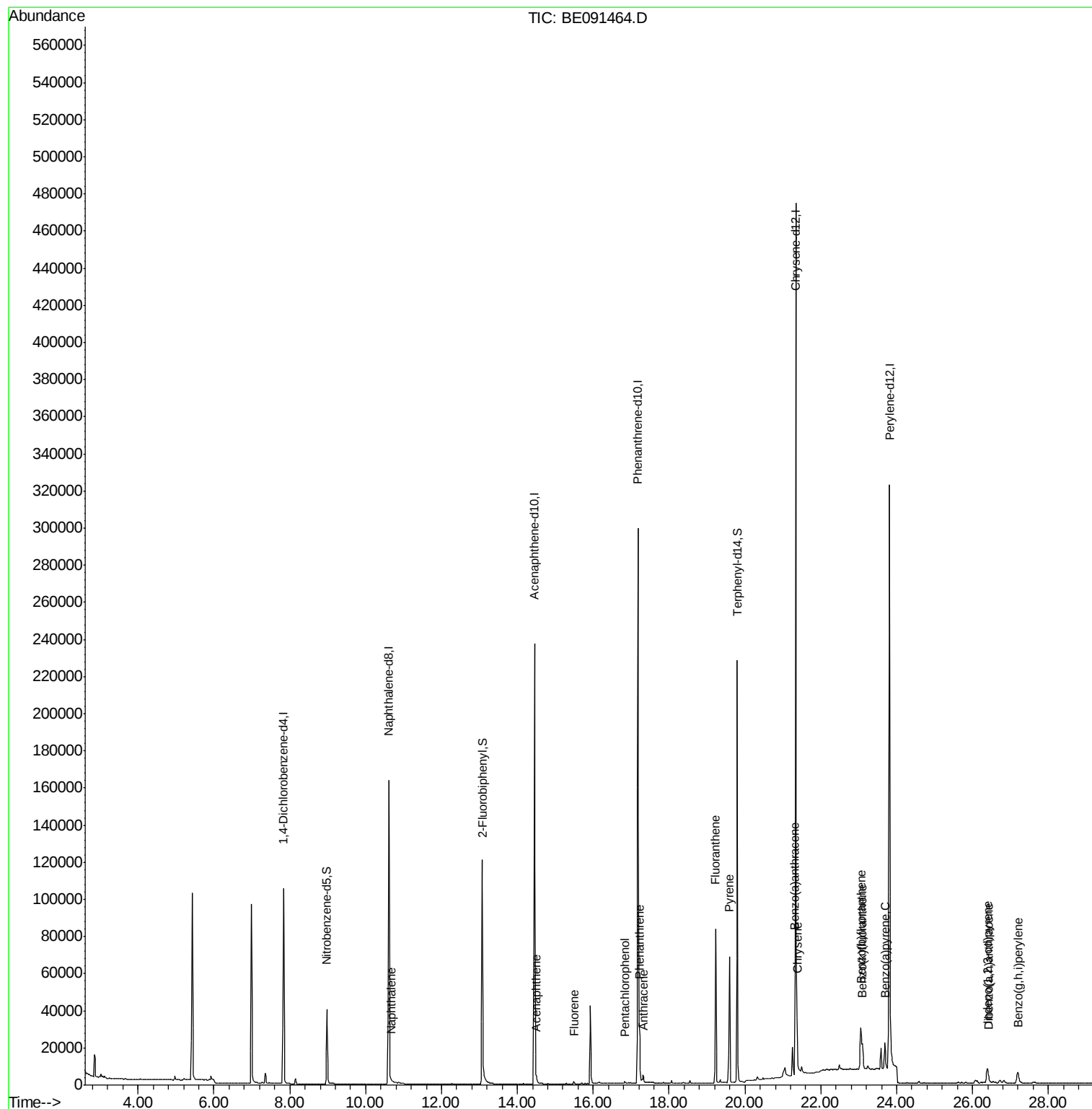
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	52255	5.00	ng	0.00
4) Naphthalene-d8	10.61	136	235192	5.00	ng	0.00
8) Acenaphthene-d10	14.45	164	147652	5.00	ng	0.00
13) Phenanthrene-d10	17.18	188	376466	5.00	ng	0.00
19) Chrysene-d12	21.34	240	543885	5.00	ng	0.00
25) Perylene-d12	23.81	264	490512	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.98	82	38738	3.10	ng	-0.01
9) 2-Fluorobiphenyl	13.08	172	149212	3.91	ng	0.00
21) Terphenyl-d14	19.80	244	289365	3.58	ng	0.00
Target Compounds						Qvalue
6) Naphthalene	10.67	128	1260	0.02	ng	# 75
11) Acenaphthene	14.50	154	958	0.02	ng	# 100
12) Fluorene	15.49	166	1283	0.02	ng	# 100
15) Pentachlorophenol	16.83	266	911	0.34	ng	# 85
16) Phenanthrene	17.22	178	34889	0.32	ng	# 100
17) Anthracene	17.31	178	5356	0.06	ng	# 100
18) Fluoranthene	19.22	202	85264	0.69	ng	# 70
20) Pyrene	19.59	202	68520	0.44	ng	# 91
22) Benzo(a)anthracene	21.31	228	42291m	0.22	ng	
23) Chrysene	21.38	228	44063m	0.24	ng	
24) Indeno(1,2,3-cd)pyrene	26.40	276	15652	0.09	ng	# 100
26) Benzo(b)fluoranthene	23.06	252	47649m	0.29	ng	
27) Benzo(k)fluoranthene	23.09	252	20603m	0.13	ng	
28) Benzo(a)pyrene	23.69	252	22431	0.16	ng	# 91
29) Dibenzo(a,h)anthracene	26.42	278	4169	0.03	ng	# 62
30) Benzo(g,h,i)perylene	27.20	276	15748	0.11	ng	95

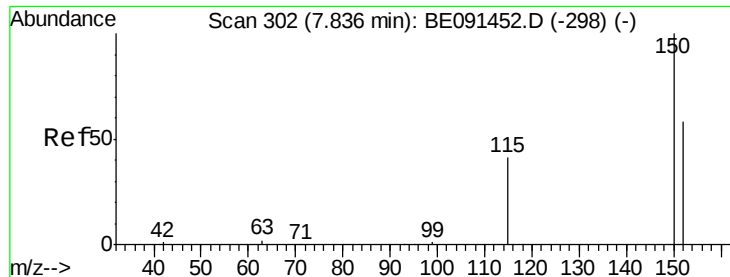
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.84 min Scan# 302

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-0.75STONE-001

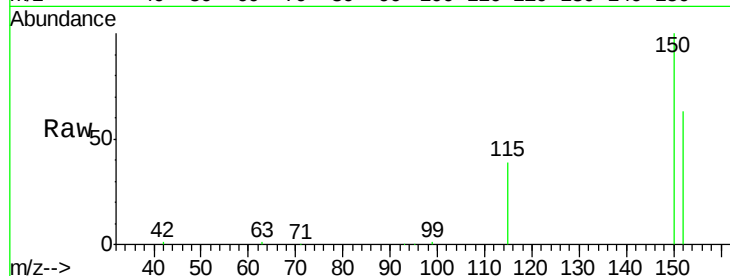
Tgt Ion:152 Resp: 52255

Ion Ratio Lower Upper

152 100

150 158.6 136.8 205.2

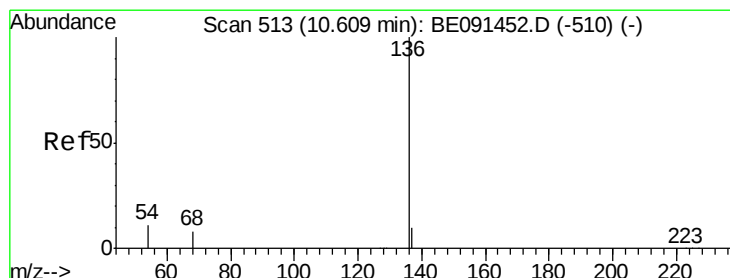
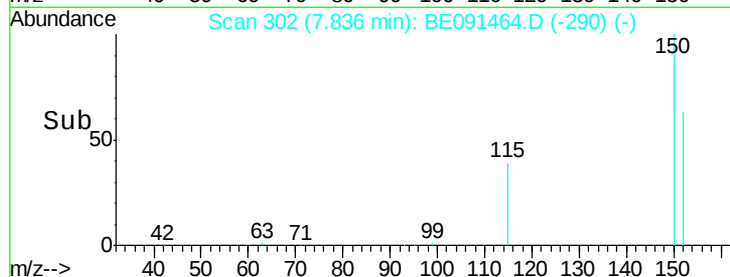
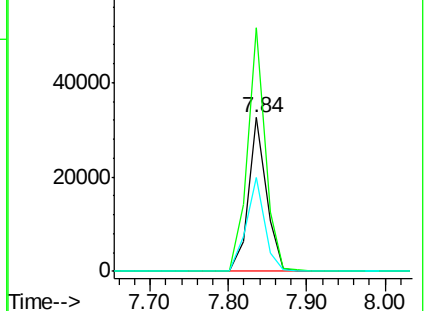
115 61.3 56.9 85.3



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

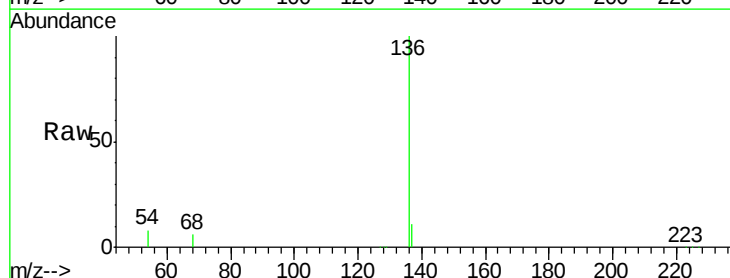
Tgt Ion:136 Resp: 235192

Ion Ratio Lower Upper

136 100

137 10.6 8.0 12.0

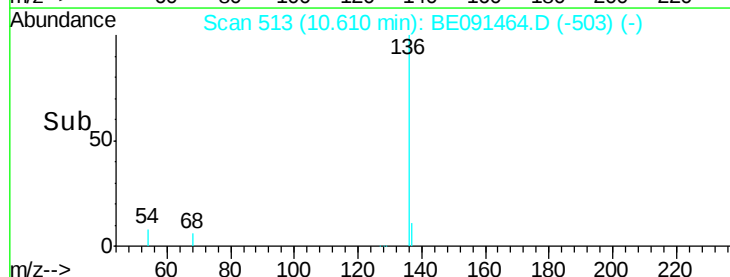
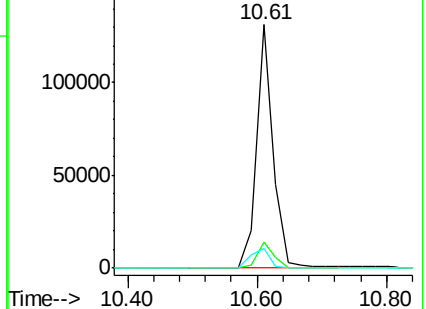
54 8.0 9.1 13.7#

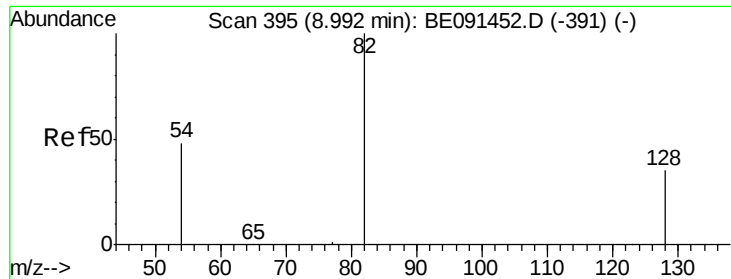


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 3.10 ng

RT: 8.98 min Scan# 394

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-0.75STONE-001

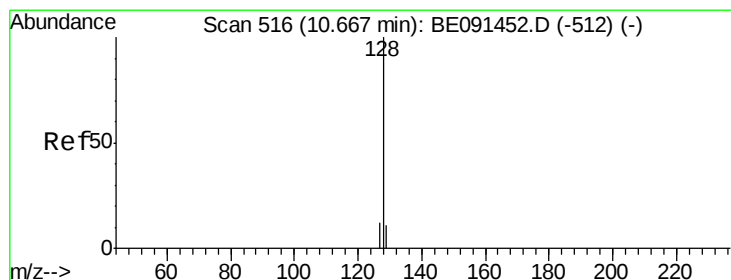
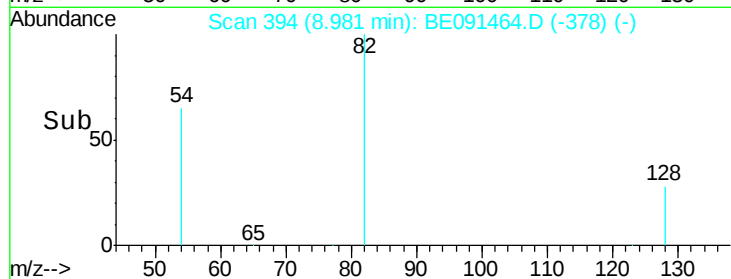
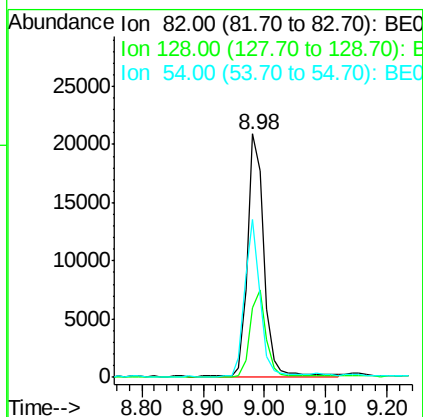
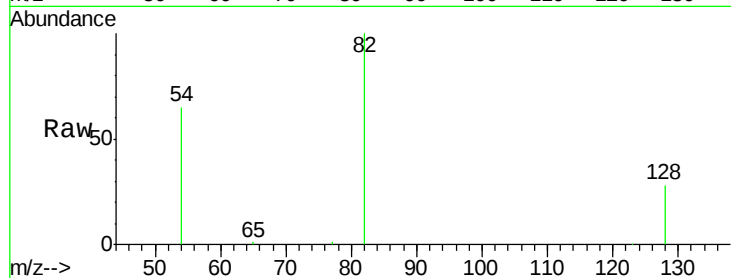
Tgt Ion: 82 Resp: 38738

Ion Ratio Lower Upper

82 100

128 28.3 29.4 44.2#

54 65.0 39.8 59.8#



#6

Naphthalene

Concen: 0.02 ng

RT: 10.67 min Scan# 516

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

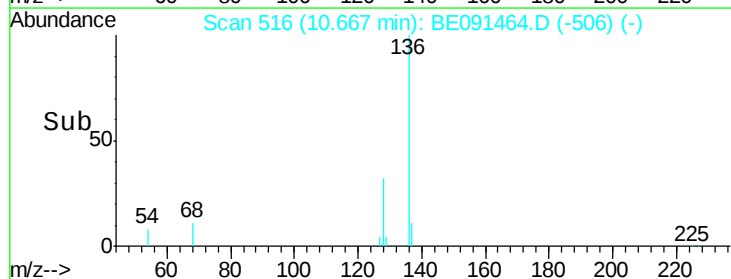
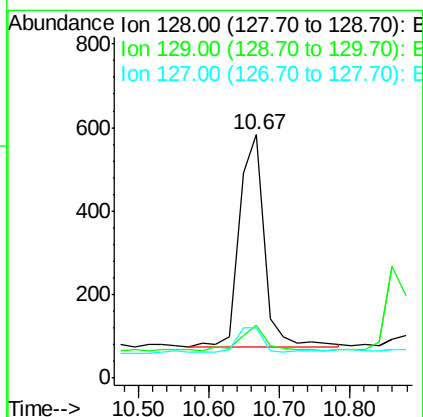
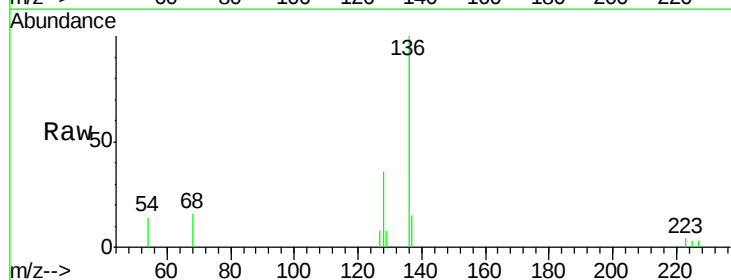
Tgt Ion: 128 Resp: 1260

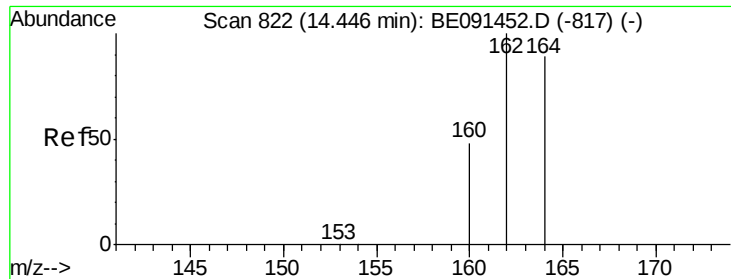
Ion Ratio Lower Upper

128 100

129 22.0 9.4 14.0#

127 20.9 9.7 14.5#





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.45 min Scan# 822

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-0.75STONE-001

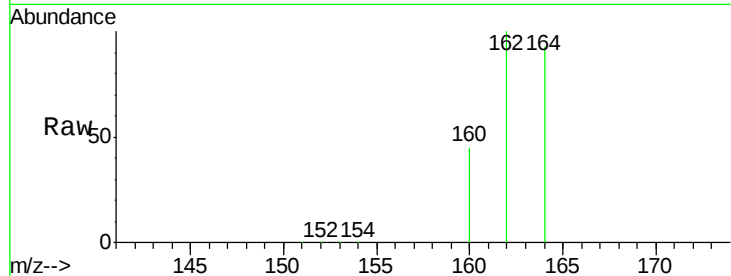
Tgt Ion:164 Resp: 147652

Ion Ratio Lower Upper

164 100

162 107.9 89.8 134.8

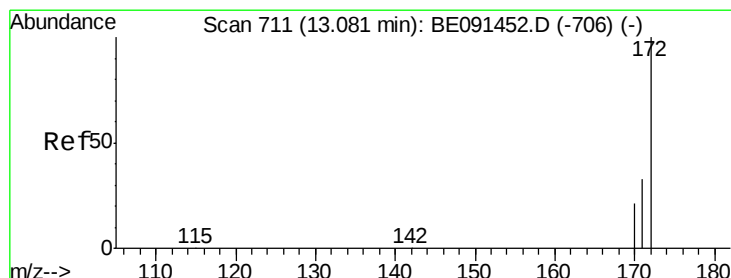
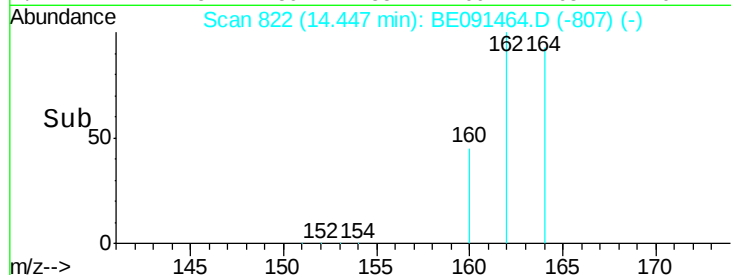
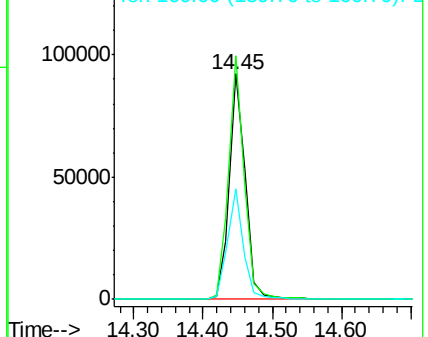
160 48.8 43.1 64.7



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



#9

2-Fluorobiphenyl

Concen: 3.91 ng

RT: 13.08 min Scan# 711

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

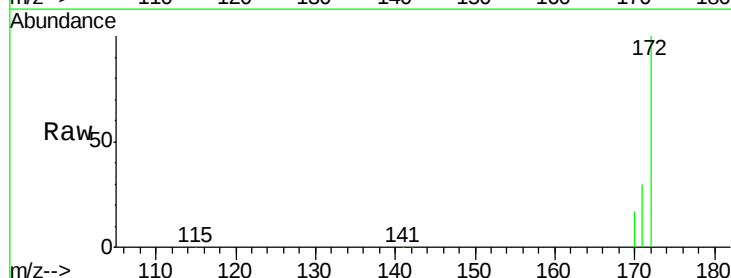
Tgt Ion:172 Resp: 149212

Ion Ratio Lower Upper

172 100

171 30.0 26.7 40.1

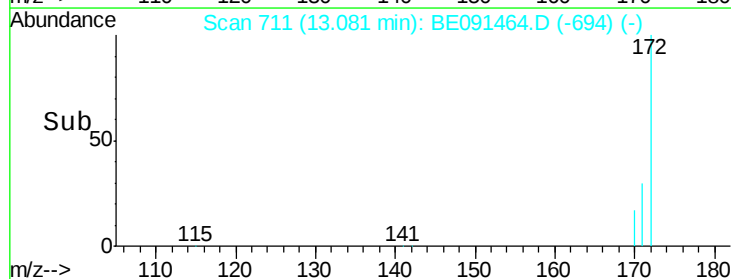
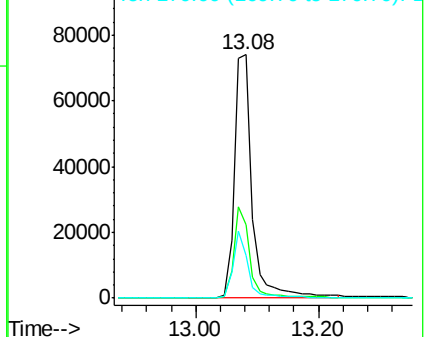
170 17.4 17.4 26.2#

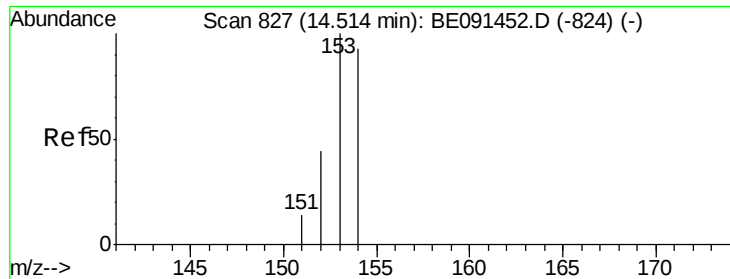


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#11

Acenaphthene

Concen: 0.02 ng

RT: 14.50 min Scan# 826

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-0.75STONE-001

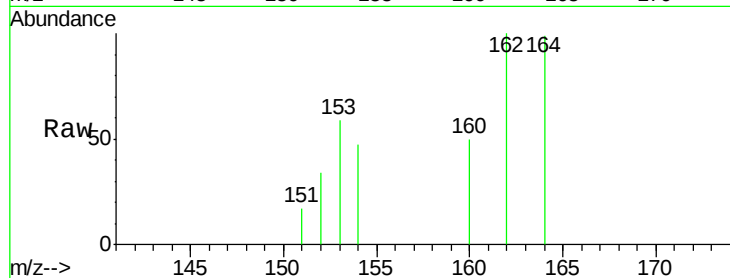
Tgt Ion:154 Resp: 958

Ion Ratio Lower Upper

154 100

153 115.2 0.0 0.0#

152 57.5 0.0 0.0#



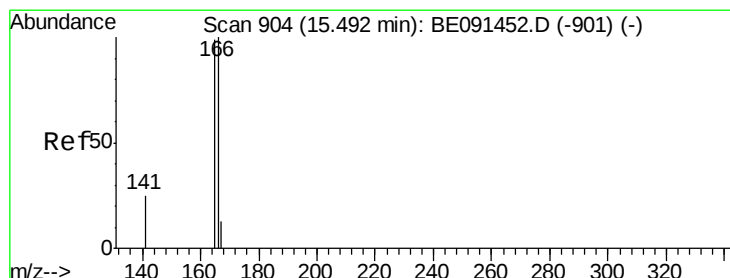
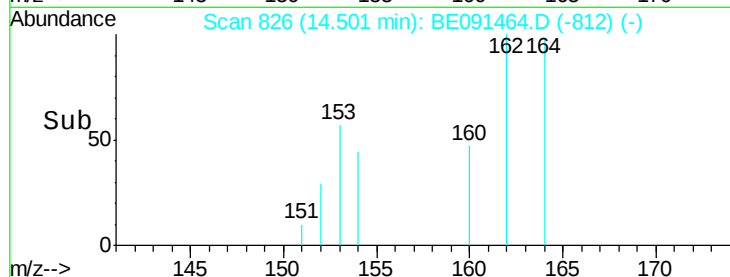
Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

14.50

Time-->



#12

Fluorene

Concen: 0.02 ng

RT: 15.49 min Scan# 904

Delta R.T. -0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

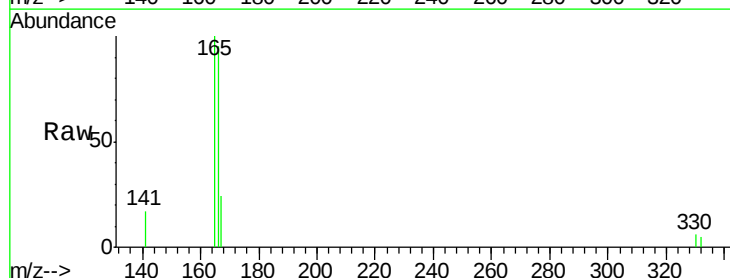
Tgt Ion:166 Resp: 1283

Ion Ratio Lower Upper

166 100

165 105.6 0.0 0.0#

167 24.7 0.0 0.0#



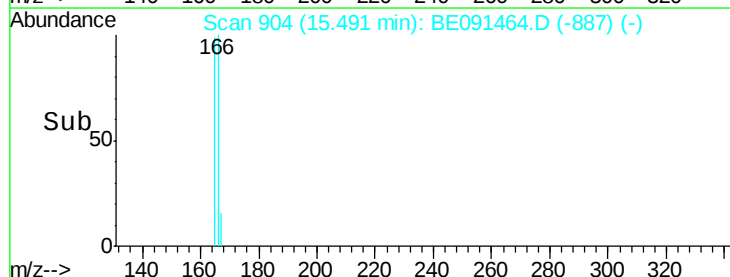
Abundance Ion 166.00 (165.70 to 166.70): E

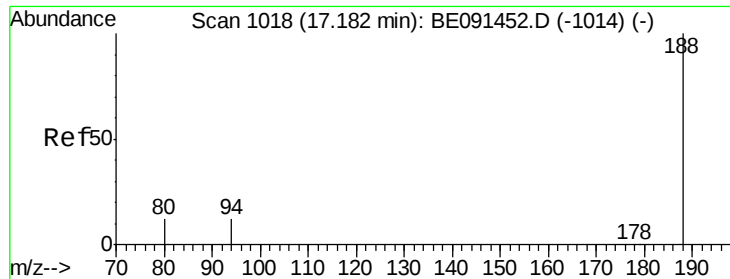
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.49

Time-->

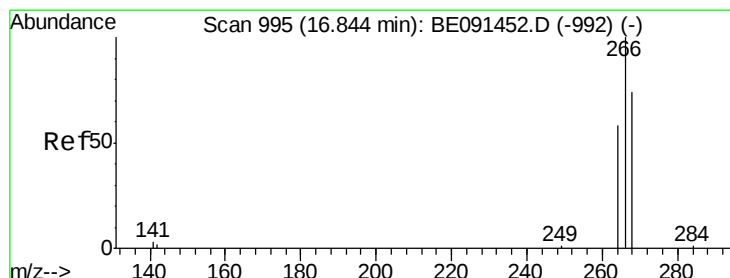
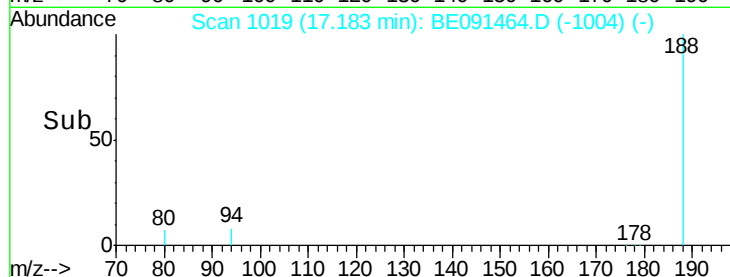
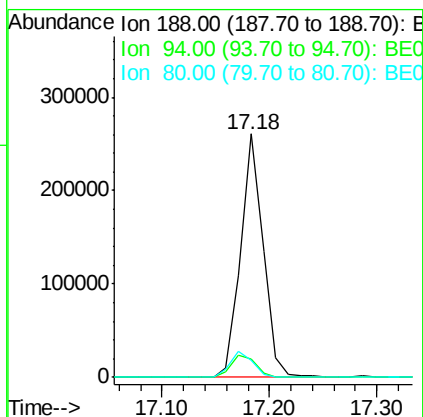
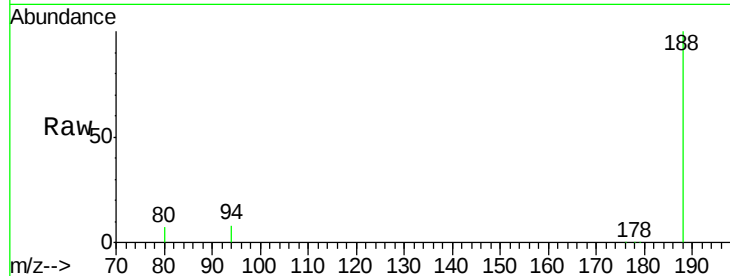




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.18 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

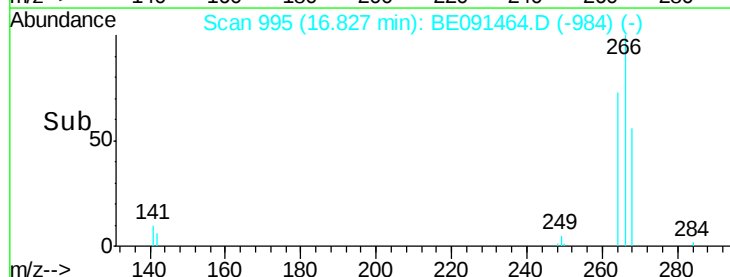
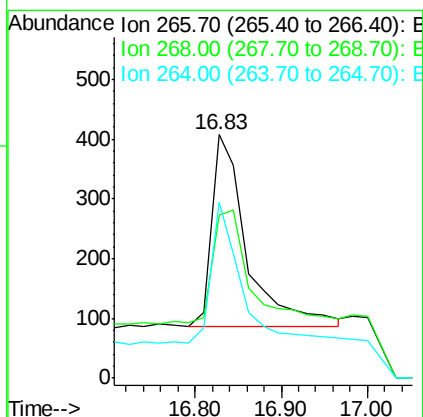
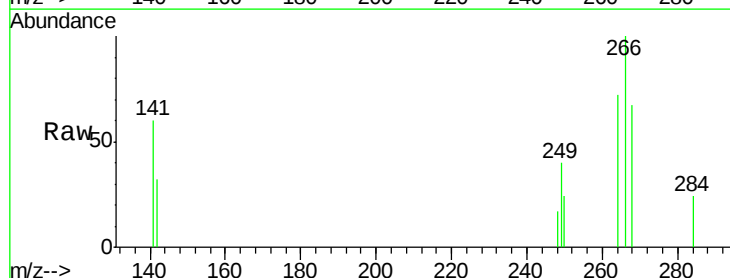
Instrument :
BNA_E
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TILCON-MH-0.75STONE-001

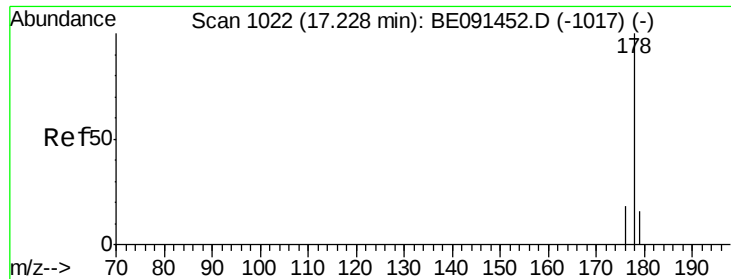
Tgt Ion:188 Resp: 376466
Ion Ratio Lower Upper
188 100
94 7.6 9.5 14.3#
80 7.0 9.8 14.8#



#15
Pentachlorophenol
Concen: 0.34 ng
RT: 16.83 min Scan# 995
Delta R.T. -0.02 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Tgt Ion:266 Resp: 911
Ion Ratio Lower Upper
266 100
268 66.9 61.0 91.6
264 72.1 45.7 68.5#





#16

Phenanthrene

Concen: 0.32 ng

RT: 17.22 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-0.75STONE-001

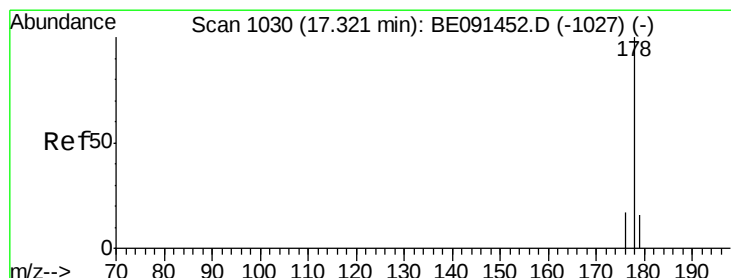
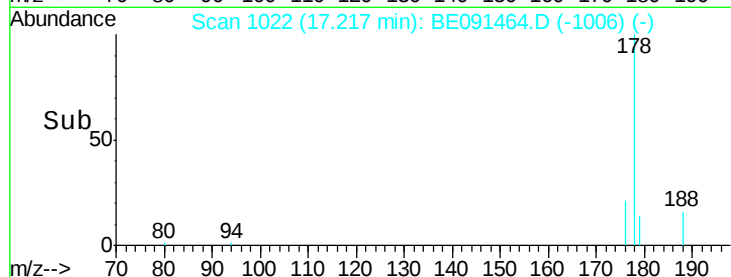
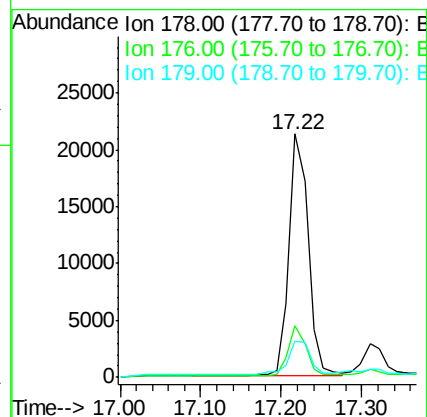
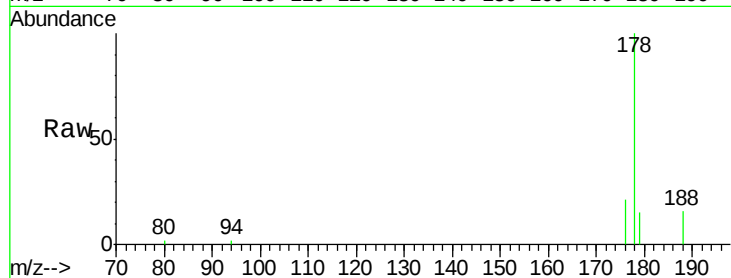
Tgt Ion:178 Resp: 34889

Ion Ratio Lower Upper

178 100

176 19.4 0.0 0.0#

179 16.4 0.0 0.0#



#17

Anthracene

Concen: 0.06 ng

RT: 17.31 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

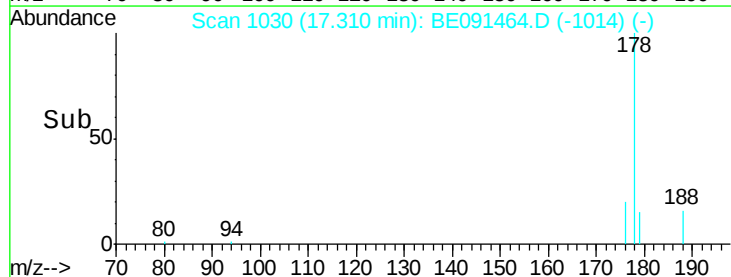
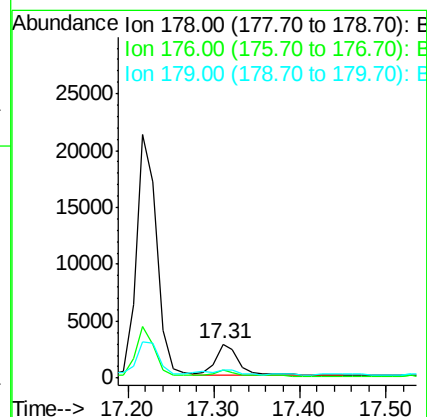
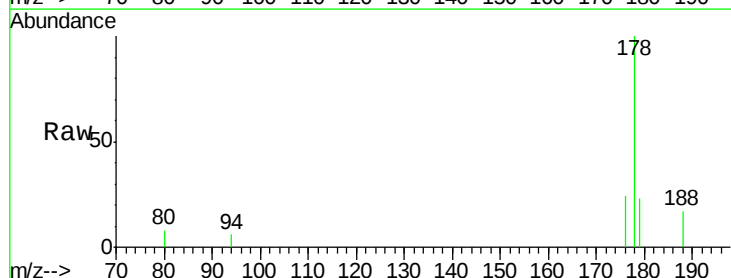
Tgt Ion:178 Resp: 5356

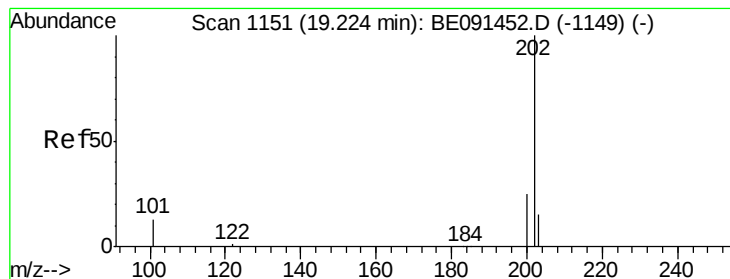
Ion Ratio Lower Upper

178 100

176 17.9 0.0 0.0#

179 21.6 0.0 0.0#





#18

Fluoranthene

Concen: 0.69 ng

RT: 19.22 min Scan# 1152

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-0.75STONE-001

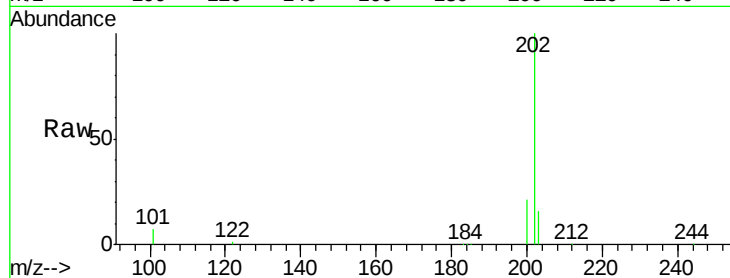
Tgt Ion:202 Resp: 85264

Ion Ratio Lower Upper

202 100

101 10.0 1.1 1.7#

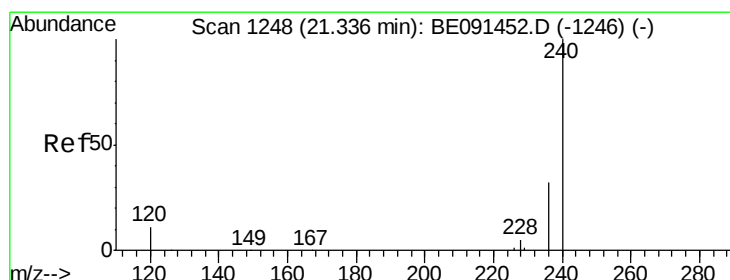
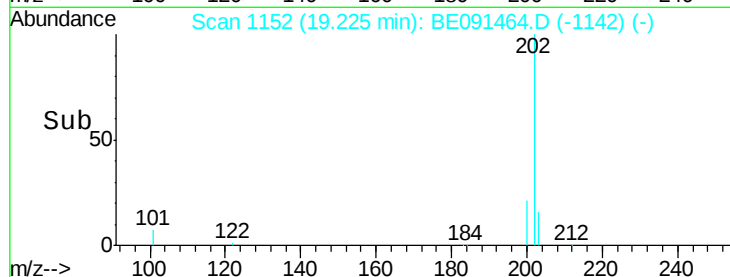
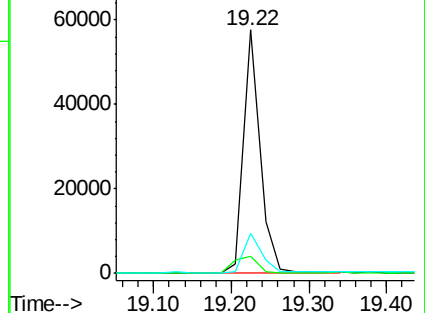
203 16.9 1.0 1.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Chrysene-d12

Concen: 5.00 ng

RT: 21.34 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

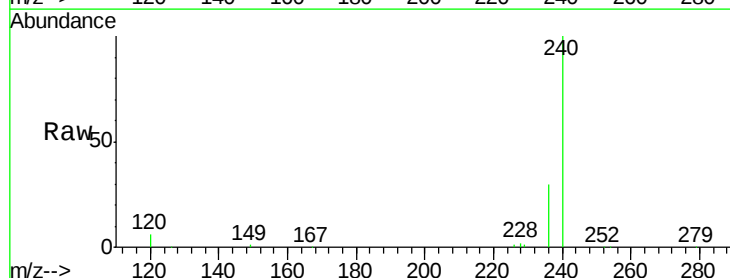
Tgt Ion:240 Resp: 543885

Ion Ratio Lower Upper

240 100

120 5.9 8.8 13.2#

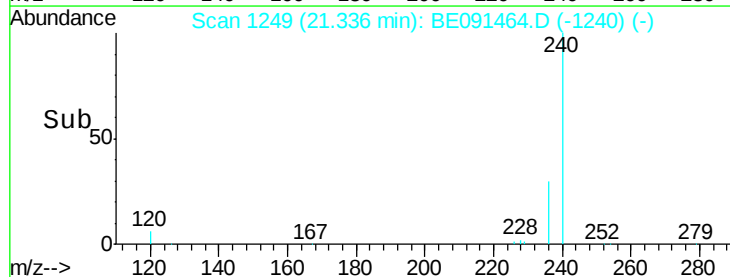
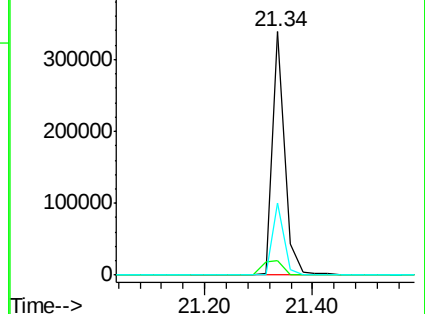
236 29.7 25.7 38.5

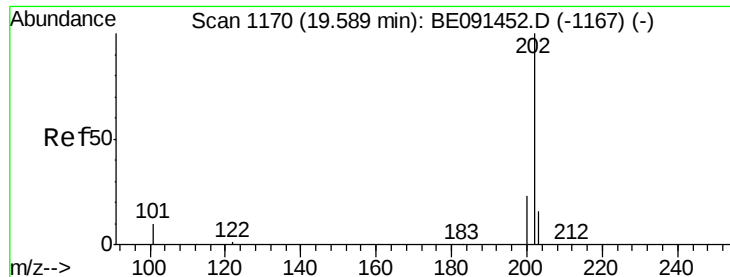


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

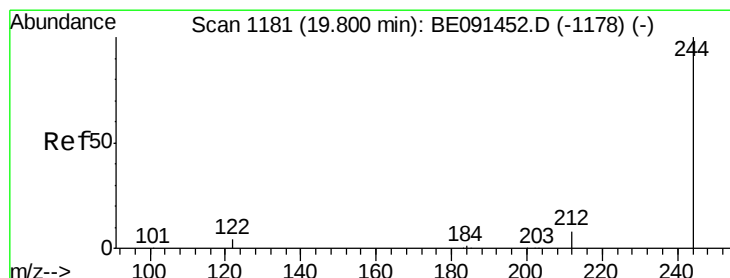
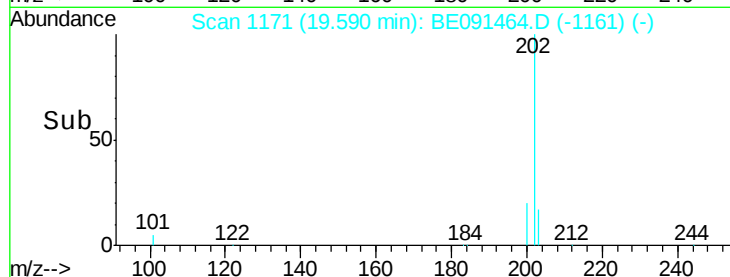
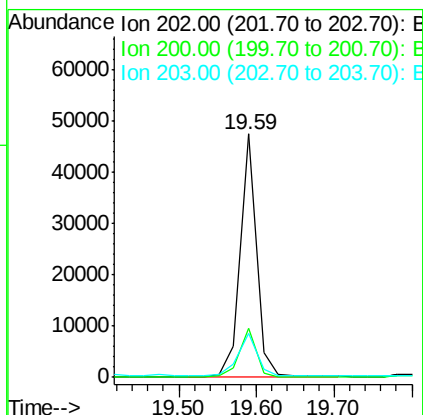
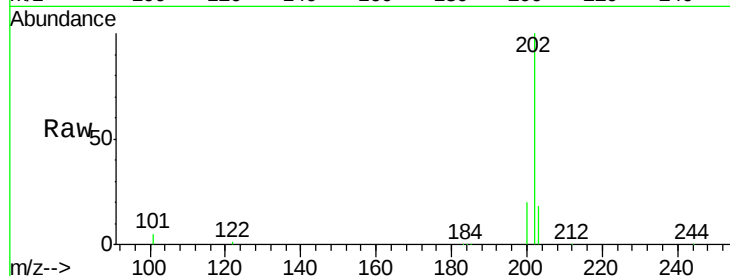




#20
 Pyrene
 Concen: 0.44 ng
 RT: 19.59 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: BE091464.D
 Acq: 17 Mar 2016 13:34

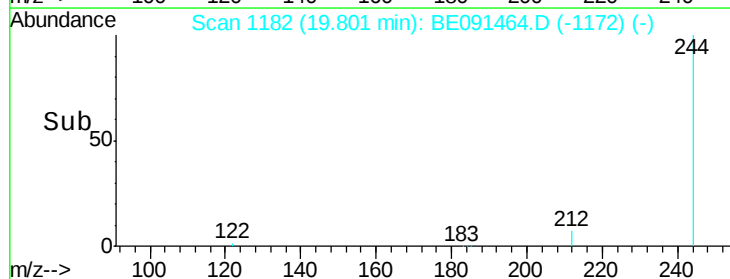
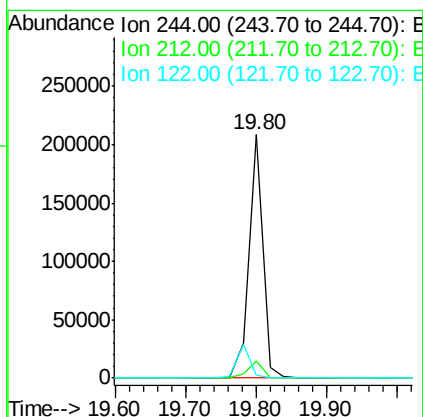
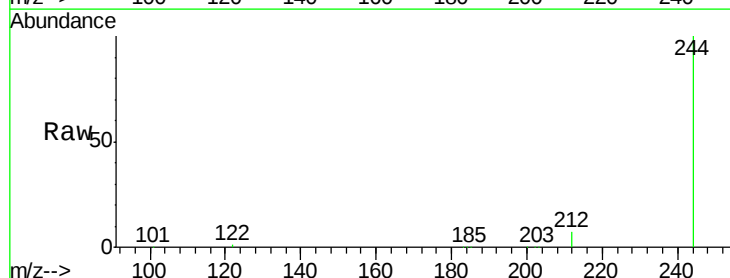
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-0.75STONE-001

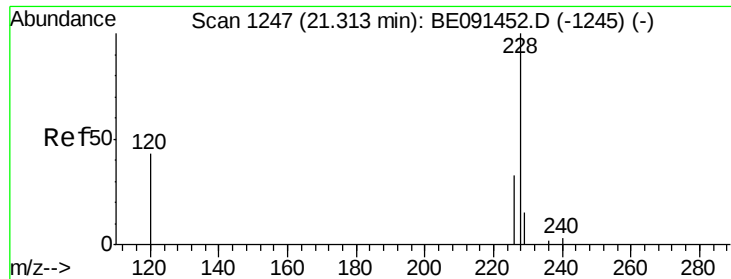
Tgt Ion: 202 Resp: 68520
 Ion Ratio Lower Upper
 202 100
 200 21.2 0.0 0.0#
 203 21.8 0.1 0.1#



#21
 Terphenyl-d14
 Concen: 3.58 ng
 RT: 19.80 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: BE091464.D
 Acq: 17 Mar 2016 13:34

Tgt Ion: 244 Resp: 289365
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.6 10.0
 122 1.3 3.4 5.0#

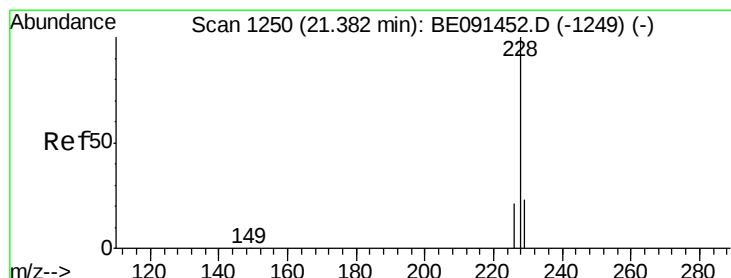
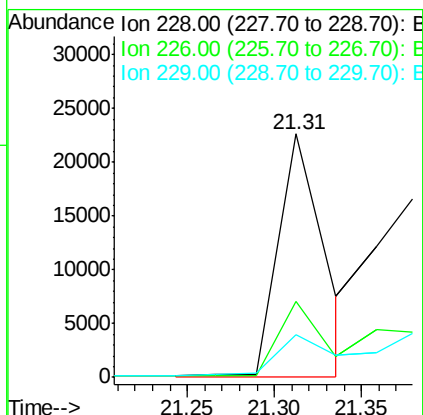
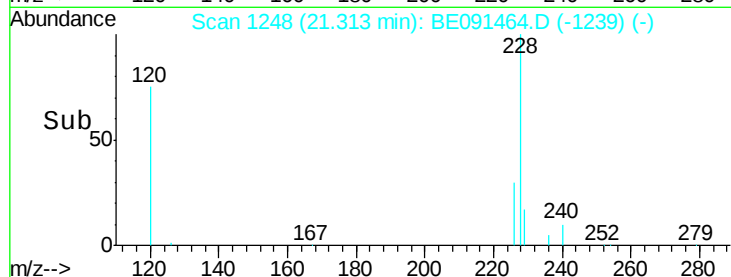
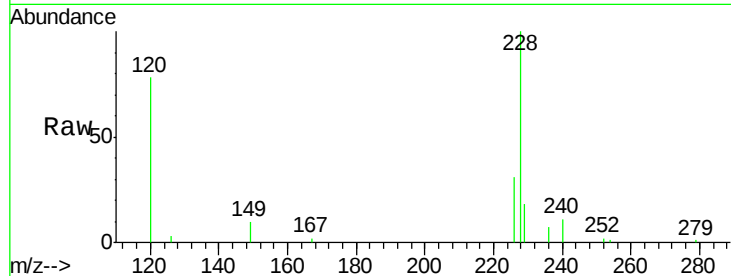




#22
Benzo(a)anthracene
Concen: 0.22 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

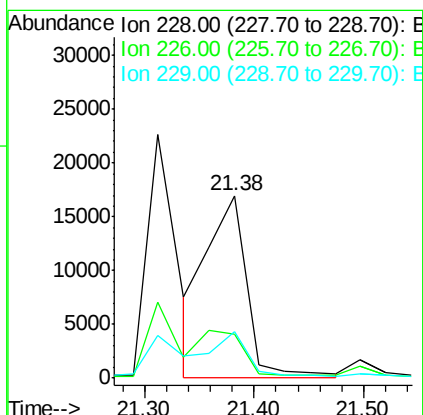
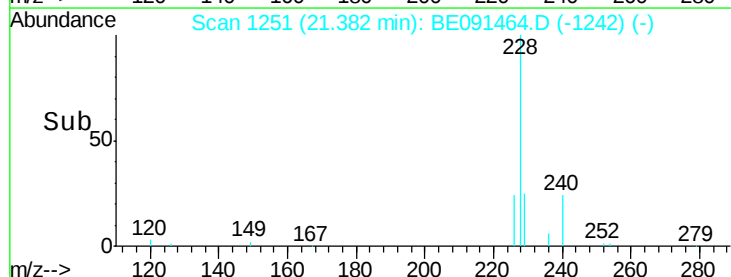
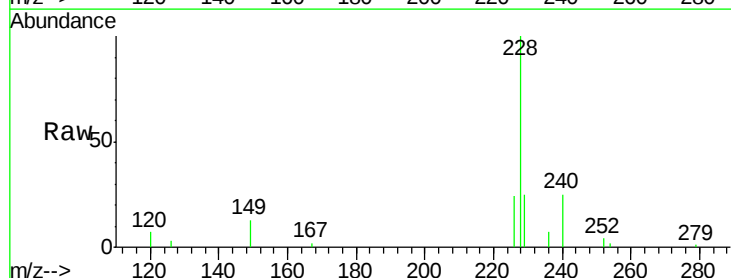
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-0.75STONE-001

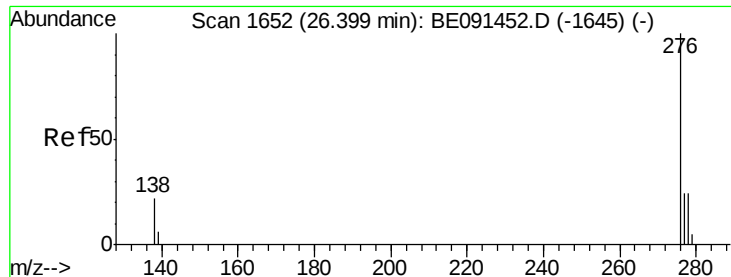
Tgt Ion:228 Resp: 42291
Ion Ratio Lower Upper
228 100
226 31.0 27.1 40.7
229 17.8 12.3 18.5



#23
Chrysene
Concen: 0.24 ng m
RT: 21.38 min Scan# 1251
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Tgt Ion:228 Resp: 44063
Ion Ratio Lower Upper
228 100
226 24.2 20.3 30.5
229 25.4 17.4 26.0

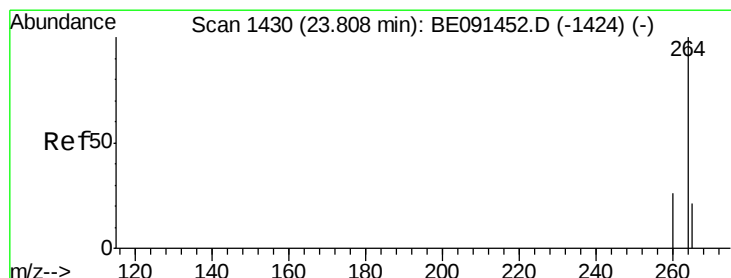
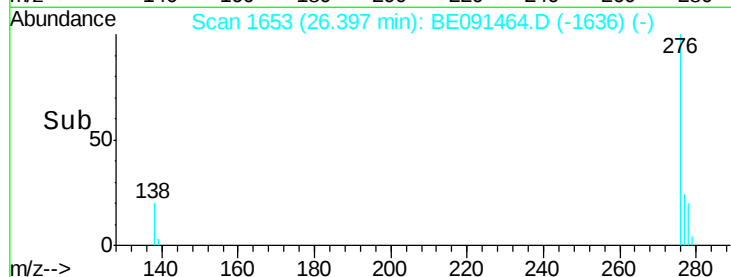
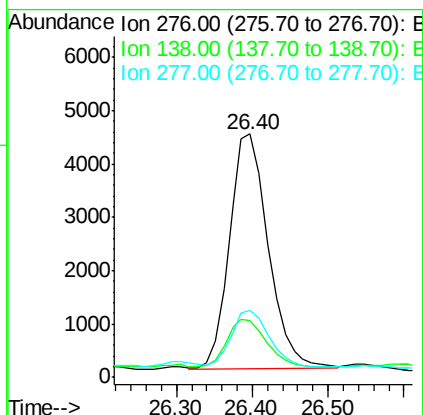
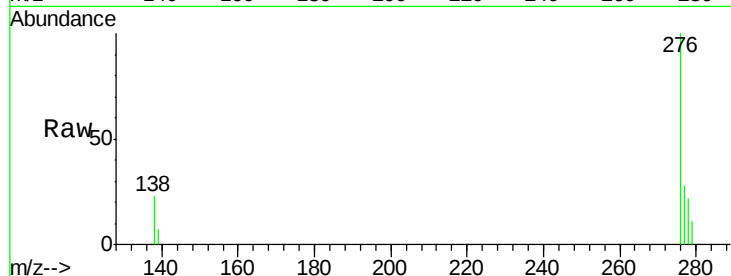




#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.09 ng
 RT: 26.40 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BE091464.D
 Acq: 17 Mar 2016 13:34

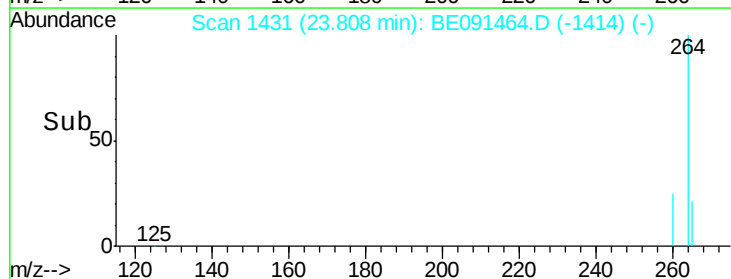
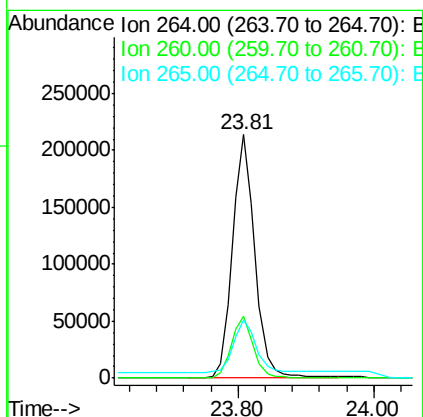
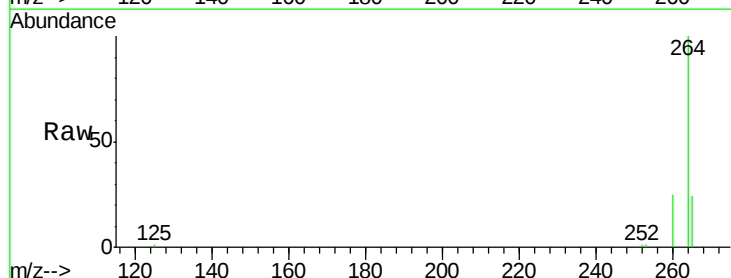
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-0.75STONE-001

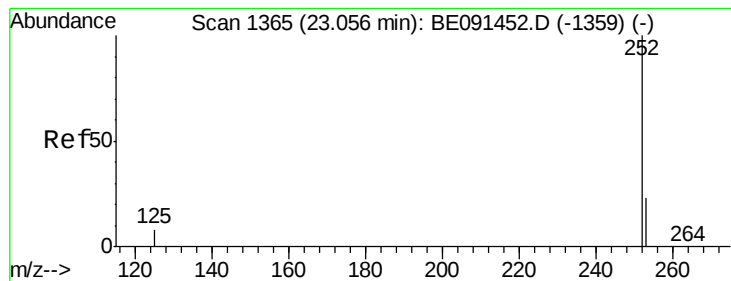
Tgt Ion: 276 Resp: 15652
 Ion Ratio Lower Upper
 276 100
 138 20.8 0.0 0.0#
 277 24.1 0.0 0.0#



#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.81 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE091464.D
 Acq: 17 Mar 2016 13:34

Tgt Ion: 264 Resp: 490512
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.7 31.1
 265 23.9 19.4 29.2





#26

Benzo(b)fluoranthene

Concen: 0.29 ng m

RT: 23.06 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-0.75STONE-001

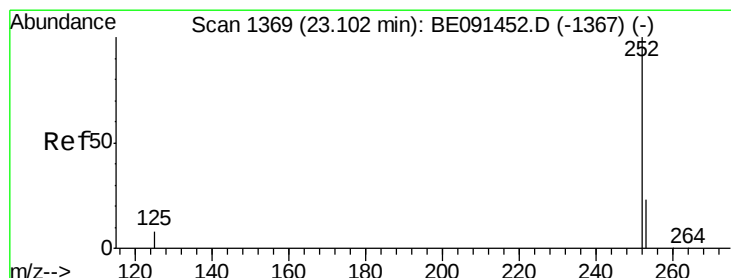
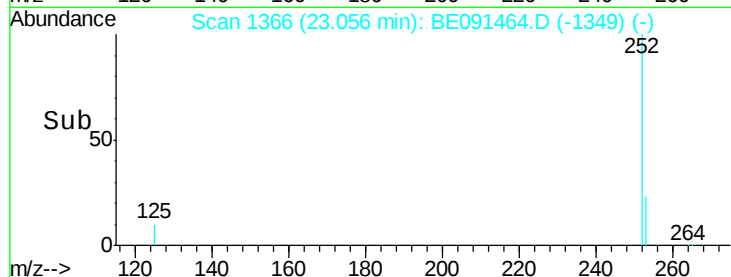
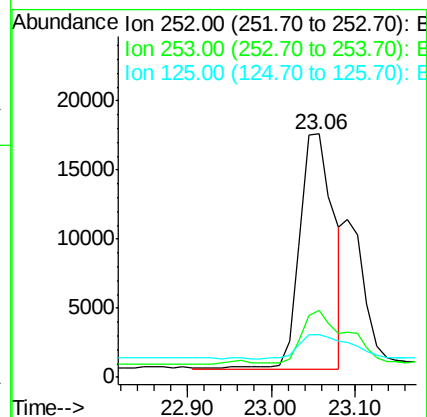
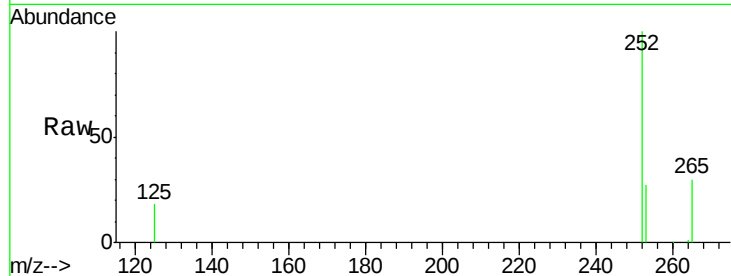
Tgt Ion:252 Resp: 47649

Ion Ratio Lower Upper

252 100

253 27.5 20.6 30.8

125 17.6 10.2 15.4#



#27

Benzo(k)fluoranthene

Concen: 0.13 ng m

RT: 23.09 min Scan# 1369

Delta R.T. -0.01 min

Lab File: BE091464.D

Acq: 17 Mar 2016 13:34

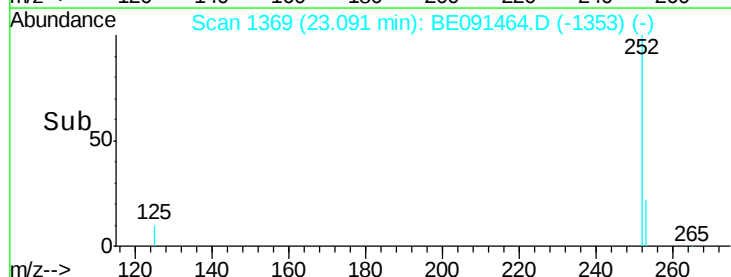
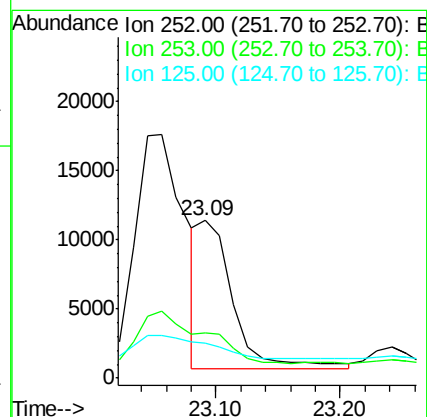
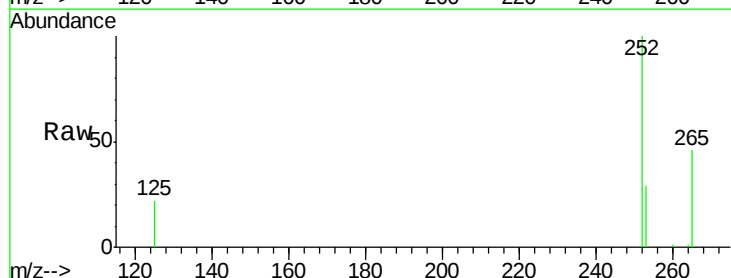
Tgt Ion:252 Resp: 20603

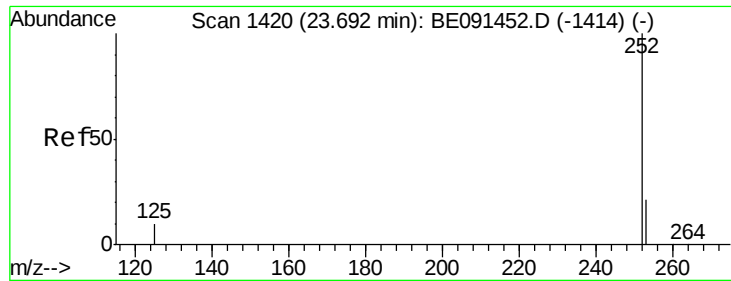
Ion Ratio Lower Upper

252 100

253 29.0 20.2 30.2

125 22.0 10.6 16.0#

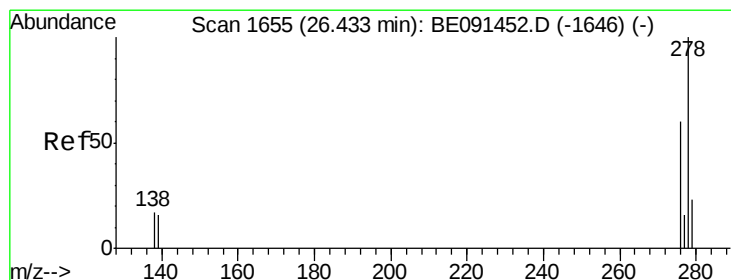
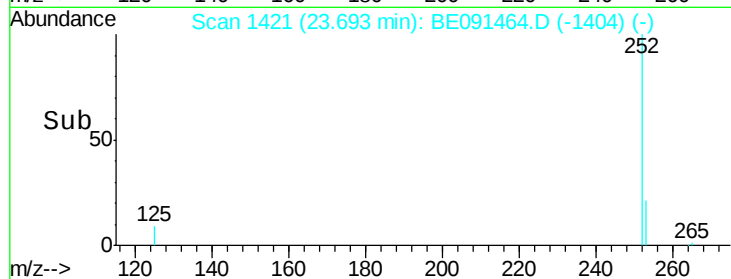
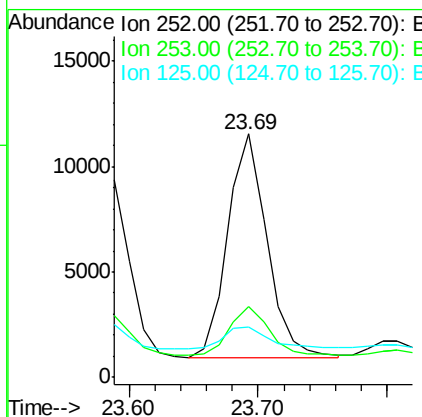
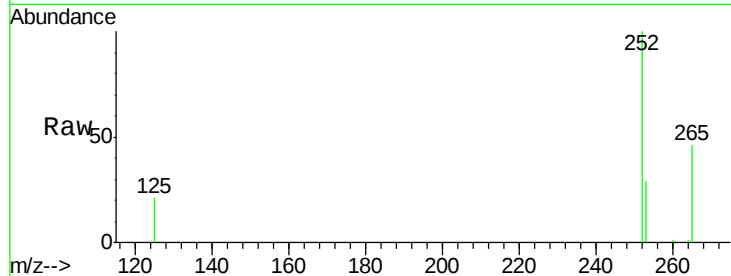




#28
Benzo(a)pyrene
Concen: 0.16 ng
RT: 23.69 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

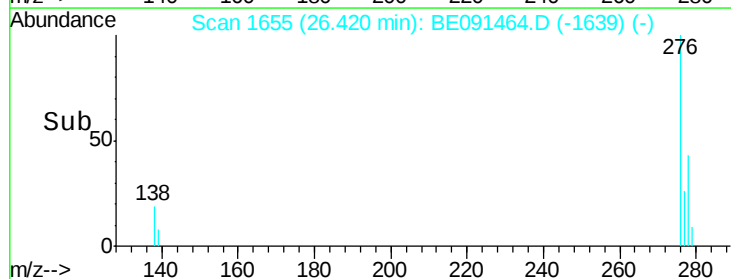
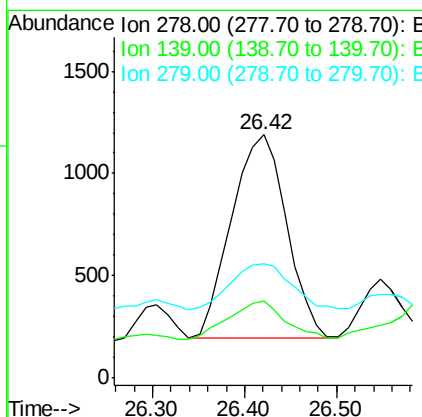
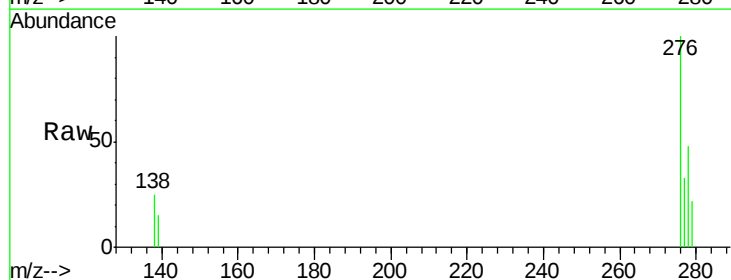
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-0.75STONE-001

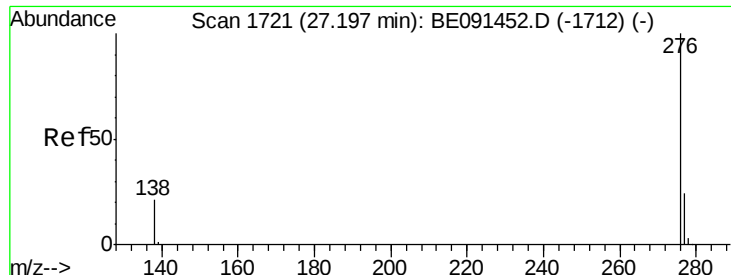
Tgt Ion: 252 Resp: 22431
Ion Ratio Lower Upper
252 100
253 29.1 20.0 30.0
125 20.6 12.7 19.1#



#29
Dibenzo(a,h)anthracene
Concen: 0.03 ng
RT: 26.42 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BE091464.D
Acq: 17 Mar 2016 13:34

Tgt Ion: 278 Resp: 4169
Ion Ratio Lower Upper
278 100
139 31.7 13.3 19.9#
279 46.8 20.9 31.3#





#30

Benzo(g,h,i)perylene

Concen: 0.11 ng

RT: 27.20 min Scan# 1722

Delta R.T. -0.00 min

Lab File: BE091464.D

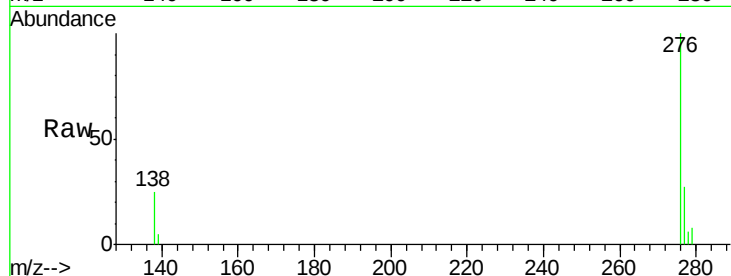
Acq: 17 Mar 2016 13:34

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-0.75STONE-001



Tgt Ion: 276 Resp: 15748

Ion Ratio Lower Upper

276 100

277 26.6 19.8 29.8

138 24.7 17.6 26.4

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

