

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080116\
 Data File : BE092100.D
 Acq On : 1 Aug 2016 20:20
 Operator : UM/SJ
 Sample : H4107-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MS

Quant Time: Aug 02 01:06:57 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 01 17:22:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	13871	5.00	ng	0.00
8) Naphthalene-d8	10.97	136	62416	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	34830	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	114749	5.00	ng	0.00
31) Chrysene-d12	21.74	240	121787	5.00	ng	0.00
40) Perylene-d12	24.15	264	114834	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	29084	7.66	ng	0.00
5) Phenol-d6	7.33	99	41823	7.89	ng	0.00
9) Nitrobenzene-d5	9.35	82	22140	4.55	ng	0.00
16) 2,4,6-Tribromophenol	16.32	330	13737	5.97	ng	-0.02
17) 2-Fluorobiphenyl	13.46	172	50644	3.76	ng	0.00
34) Terphenyl-d14	20.18	244	49791	4.29	ng	-0.03

Target Compounds						Qvalue
2) 1,4-Dioxane	3.44	88	5524	3.20	ng	# 91
3) n-Nitrosodimethylamine	3.78	42	9515	3.73	ng	# 93
6) bis(2-Chloroethyl)ether	7.59	93	16188	3.78	ng	98
7) n-Nitroso-di-n-propylamine	8.98	70	14501	3.56	ng	98
10) Nitrobenzene	9.38	77	19948	3.85	ng	97
11) bis(2-Chloroethoxy)methane	10.40	93	20817	3.74	ng	99
12) Naphthalene	11.02	128	52874	3.68	ng	# 96
13) Hexachlorobutadiene	11.32	225	8478	3.62	ng	# 96
14) 2-Methylnaphthalene	12.65	142	38197	3.96	ng	98
18) Acenaphthylene	14.59	152	210429	2.73	ng	# 94
19) 2,6-Dinitrotoluene	14.47	165	27075	2.99	ng	# 100
20) Acenaphthene	14.92	154	40985	3.85	ng	# 72
21) 2,4-Dinitrotoluene	15.25	165	41103	2.76	ng	# 1
22) Fluorene	15.89	166	50039	3.12	ng	99
23) 4-Chlorophenyl-phenylether	15.87	204	22522	2.76	ng	# 63
25) 4-Bromophenyl-phenylether	16.76	248	14246	3.70	ng	96
26) Hexachlorobenzene	16.88	284	14480	3.78	ng	98
27) Pentachlorophenol	17.23	266	15535	10.42	ng	# 80
28) Phenanthrene	17.61	178	111337	4.09	ng	99
29) Anthracene	17.71	178	84098	3.67	ng	100
30) Fluoranthene	19.61	202	385707	4.91	ng	# 97
32) Benzidine	19.81	184	3305	0.56	ng	# 66
33) Pyrene	19.98	202	618152	4.47	ng	99
35) Benzo(a)anthracene	21.71	228	232024	8.07	ng	95
36) 3,3'-Dichlorobenzidine	21.67	252	25622	2.34	ng	# 78
37) Chrysene	21.71	228	233412	8.05	ng	94
38) Bis(2-ethylhexyl)phthalate	21.65	149	90052	3.79	ng	# 25
39) Indeno(1,2,3-cd)pyrene	26.65	276	537756	4.16	ng	100
41) Benzo(b)fluoranthene	23.45	252	113059	3.85	ng	97
42) Benzo(k)fluoranthene	23.45	252	113365	3.48	ng	97
43) Benzo(a)pyrene	24.03	252	119134	4.03	ng	95
44) Dibenzo(a,h)anthracene	26.67	278	110541	4.02	ng	# 94
45) Benzo(g,h,i)perylene	27.42	276	465344	4.03	ng	96

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 17:22:55 2016
Response via : Initial Calibration

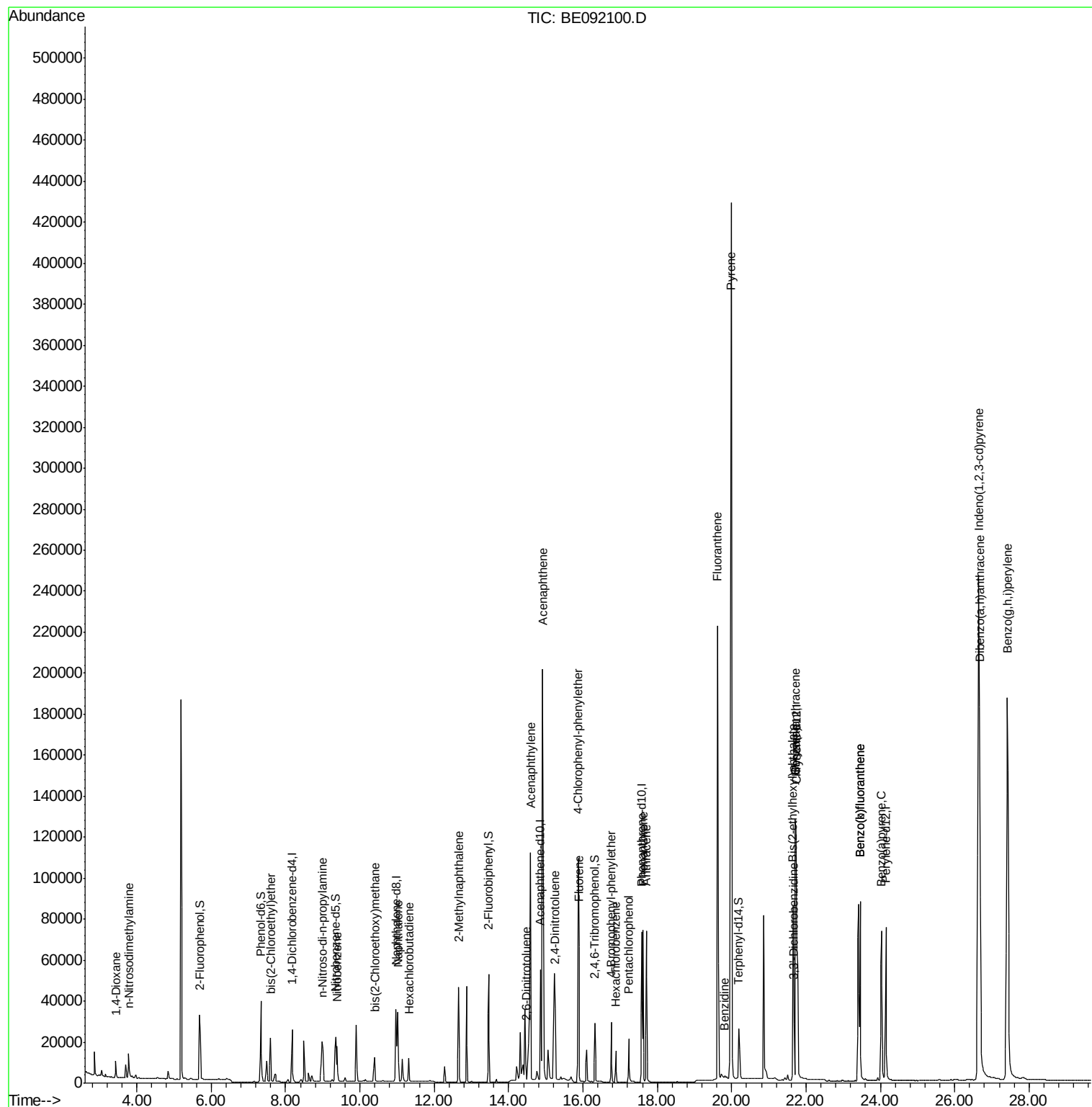
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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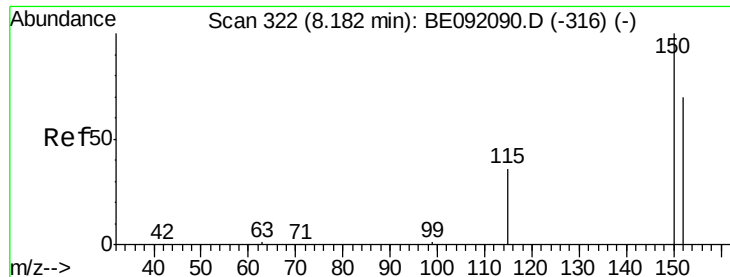
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

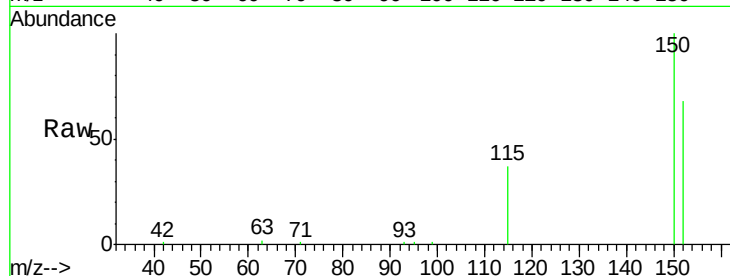
Tgt Ion:152 Resp: 13871

Ion Ratio Lower Upper

152 100

150 147.4 106.0 159.0

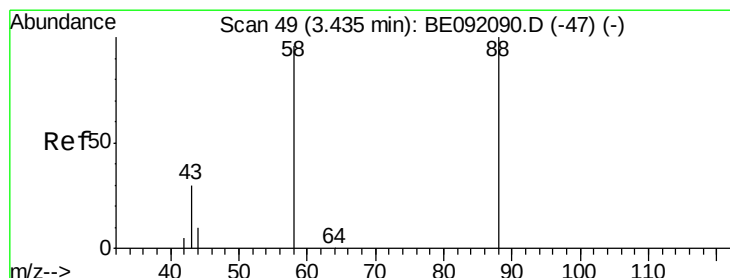
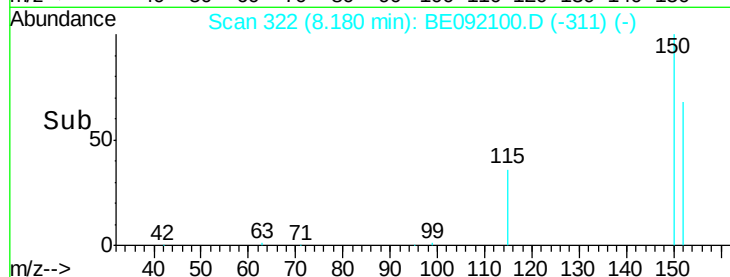
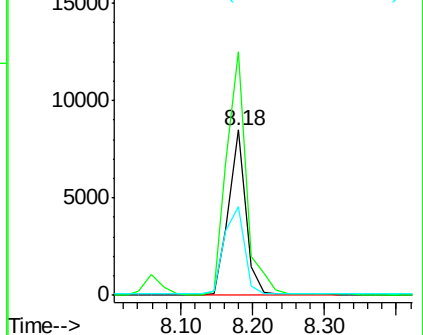
115 53.8 36.9 55.3



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



#2

1,4-Dioxane

Concen: 3.20 ng

RT: 3.44 min Scan# 49

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

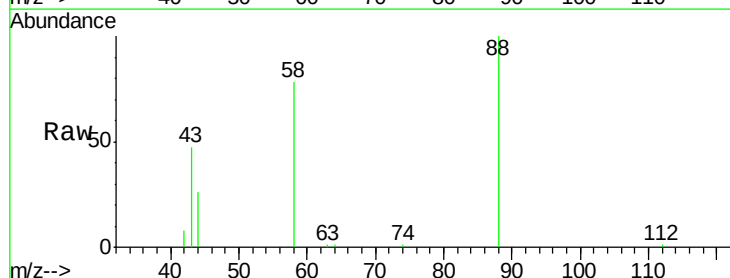
Tgt Ion: 88 Resp: 5524

Ion Ratio Lower Upper

88 100

58 82.1 62.1 93.1

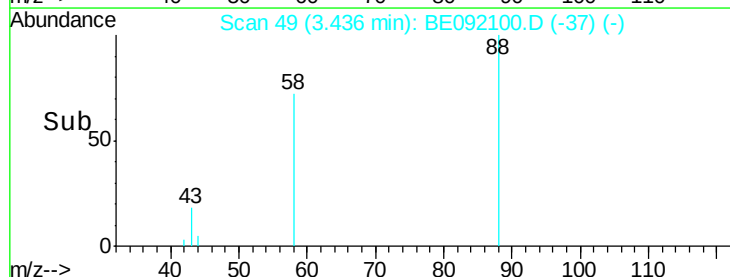
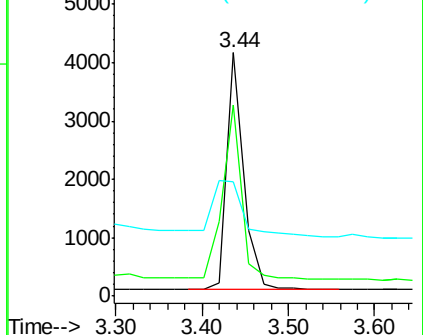
43 44.1 27.2 40.8#

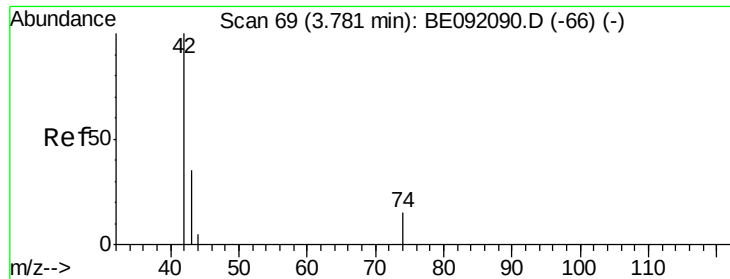


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.73 ng

RT: 3.78 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

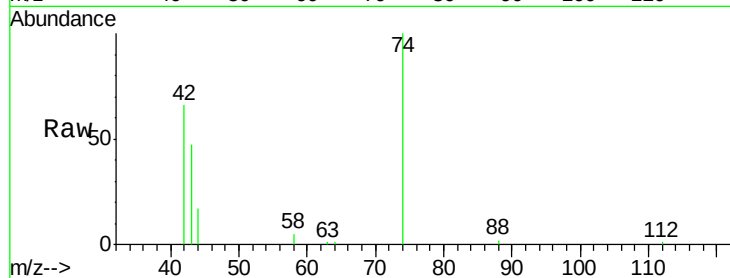
Tgt Ion: 42 Resp: 9515

Ion Ratio Lower Upper

42 100

74 110.6 82.8 124.2

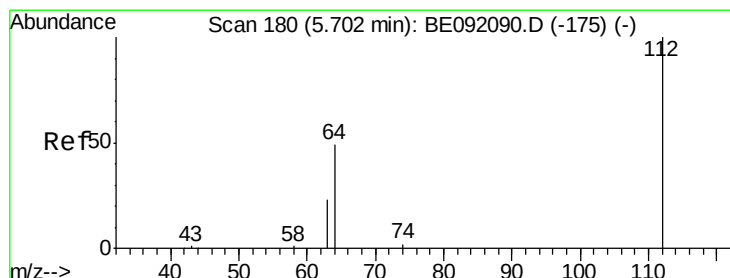
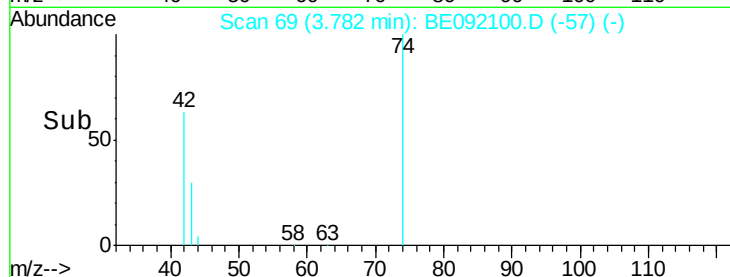
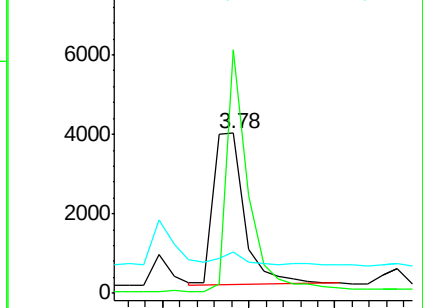
44 7.5 9.0 13.4#



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: 7.66 ng

RT: 5.70 min Scan# 180

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

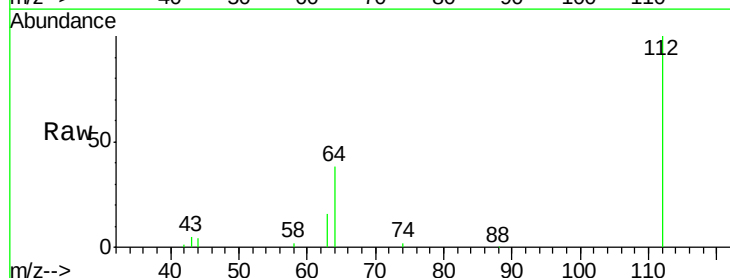
Tgt Ion: 112 Resp: 29084

Ion Ratio Lower Upper

112 100

64 68.3 55.9 83.9

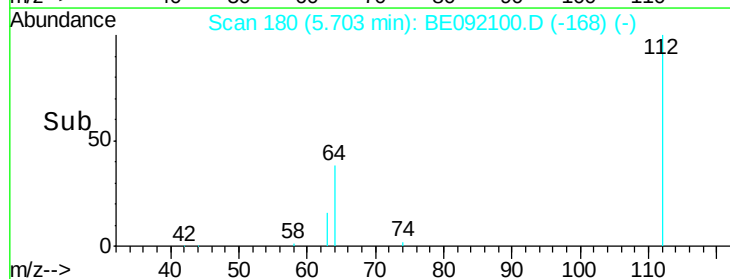
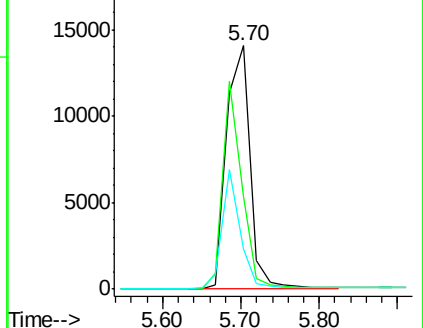
63 36.9 31.1 46.7

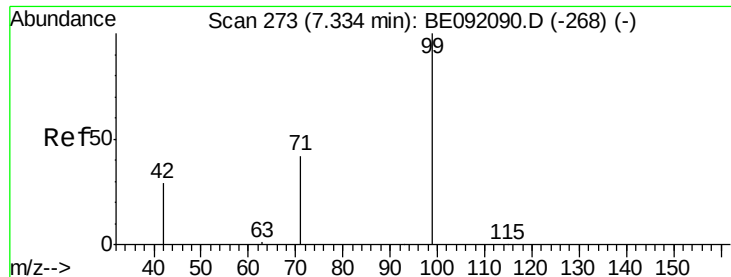


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.89 ng

RT: 7.33 min Scan# 273

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

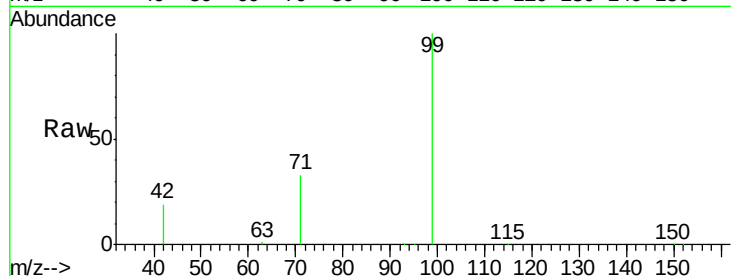
Tgt Ion: 99 Resp: 41823

Ion Ratio Lower Upper

99 100

42 25.3 22.4 33.6

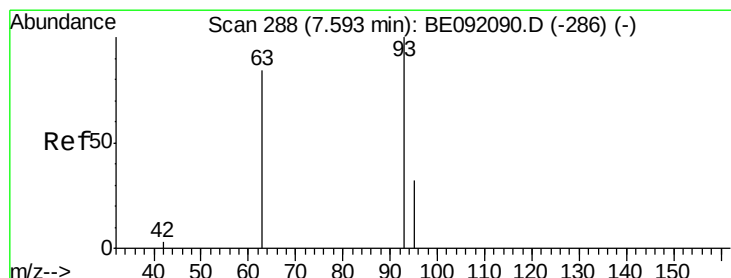
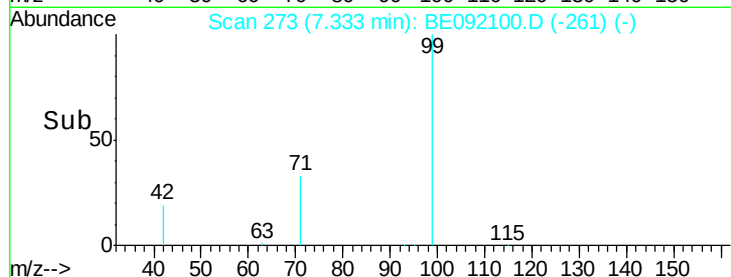
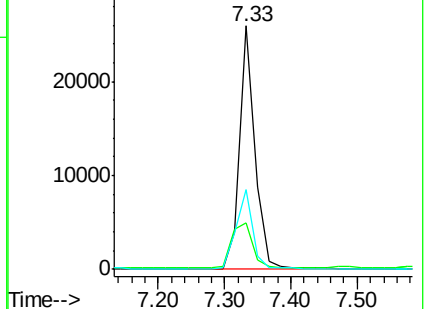
71 35.4 28.9 43.3



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

bis(2-Chloroethyl)ether

Concen: 3.78 ng

RT: 7.59 min Scan# 288

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

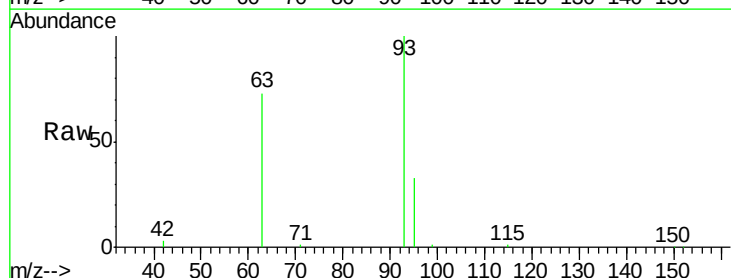
Tgt Ion: 93 Resp: 16188

Ion Ratio Lower Upper

93 100

63 83.1 64.4 96.6

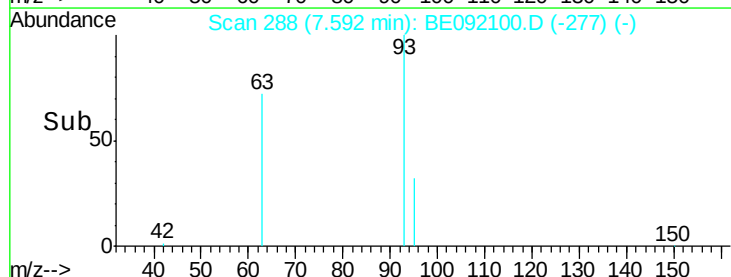
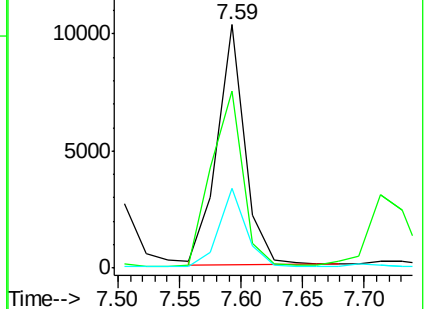
95 32.1 25.8 38.8

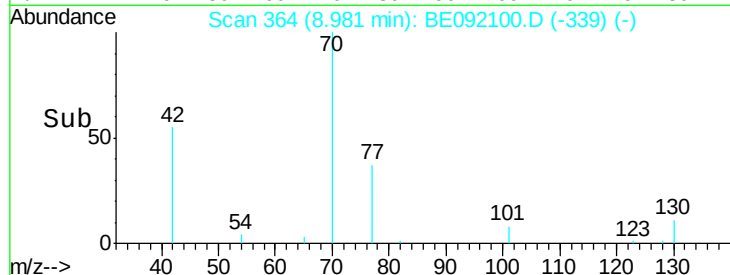
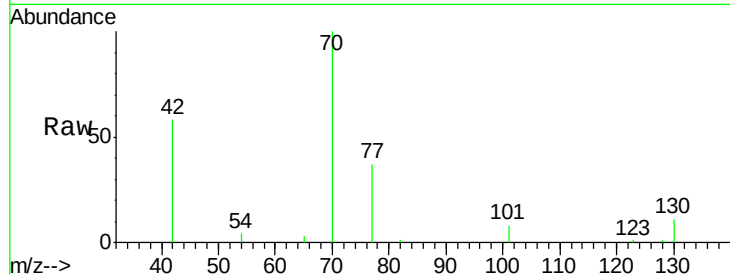
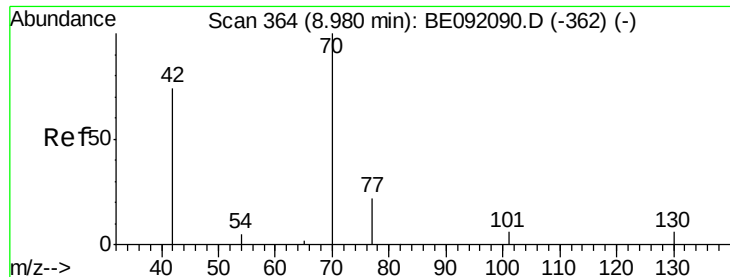


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 3.56 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

Tgt Ion: 70 Resp: 14501

Ion Ratio Lower Upper

70 100

42 73.6 60.2 90.4

101 8.4 6.8 10.2

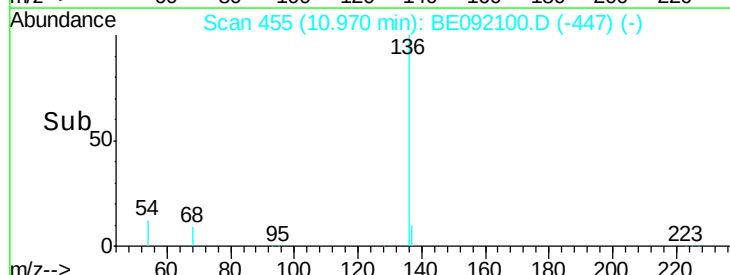
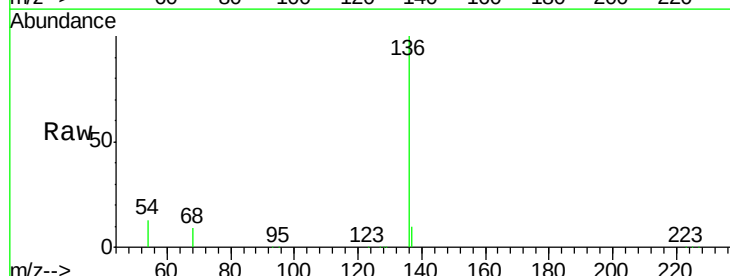
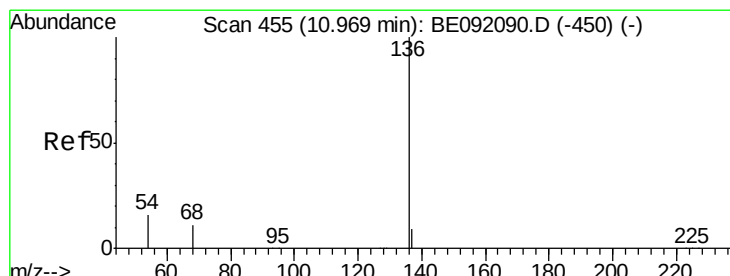
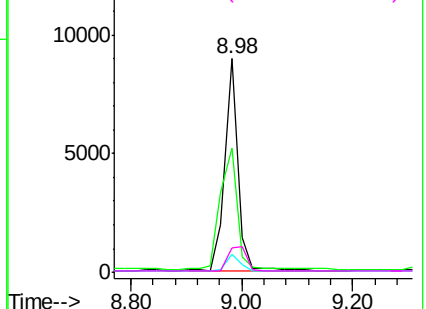
130 17.0 13.3 19.9

Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Tgt Ion: 136 Resp: 62416

Ion Ratio Lower Upper

136 100

137 9.9 9.1 13.7

54 12.5 2.7 4.1#

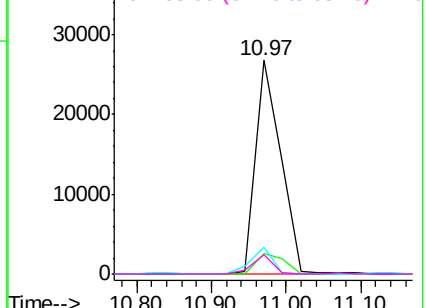
68 9.0 2.2 3.4#

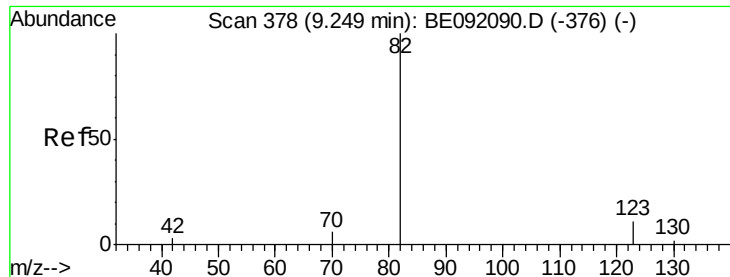
Abundance Ion 136.00 (135.70 to 136.70): E

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





#9

Nitrobenzene-d5

Concen: 4.55 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

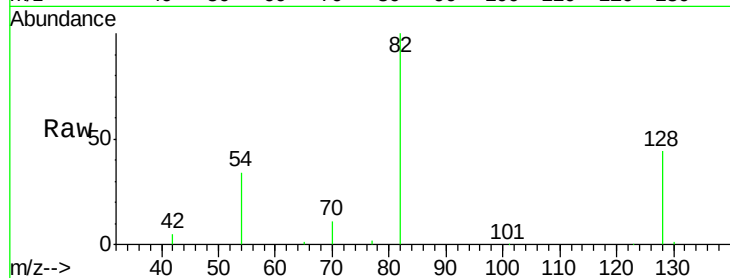
Tgt Ion: 82 Resp: 22140

Ion Ratio Lower Upper

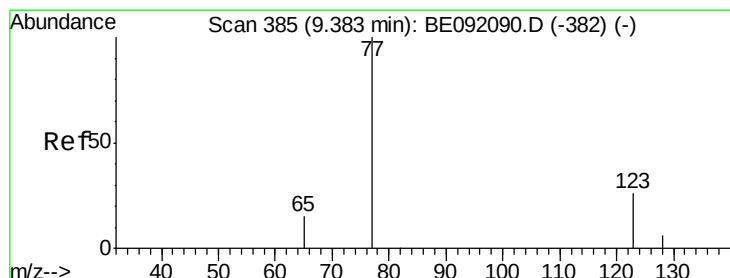
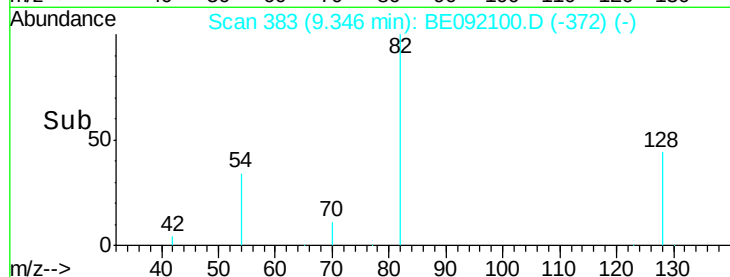
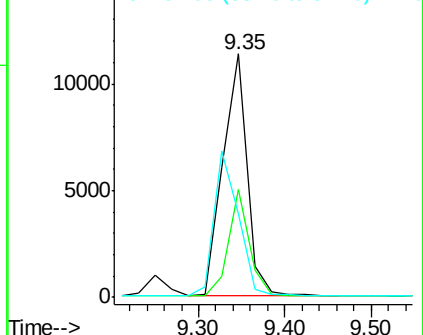
82 100

128 44.4 33.0 49.4

54 34.1 42.6 63.8#



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



#10

Nitrobenzene

Concen: 3.85 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

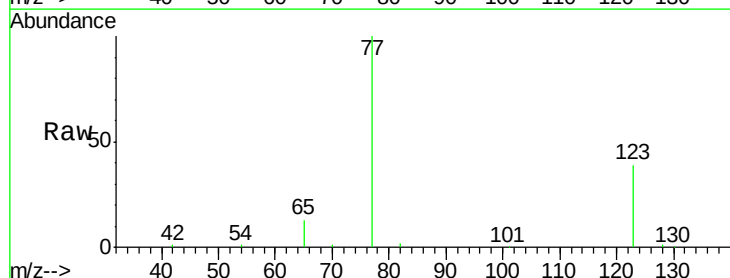
Tgt Ion: 77 Resp: 19948

Ion Ratio Lower Upper

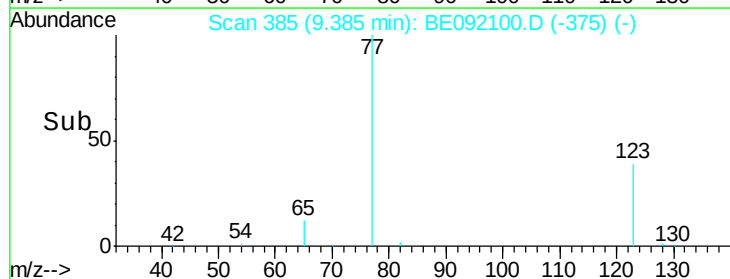
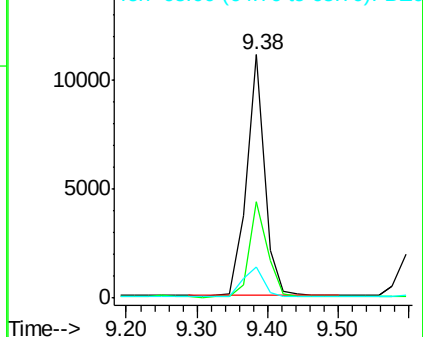
77 100

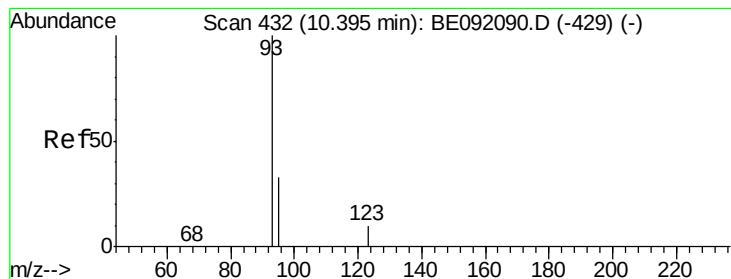
123 39.6 29.9 44.9

65 14.2 11.4 17.0



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

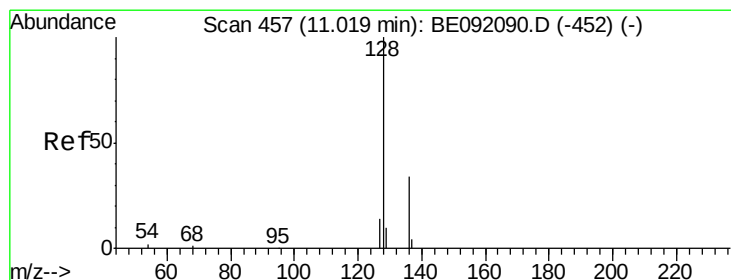
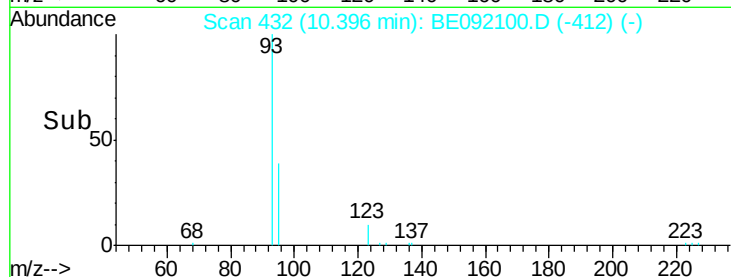
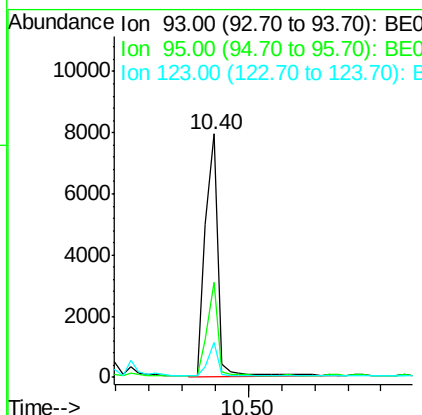
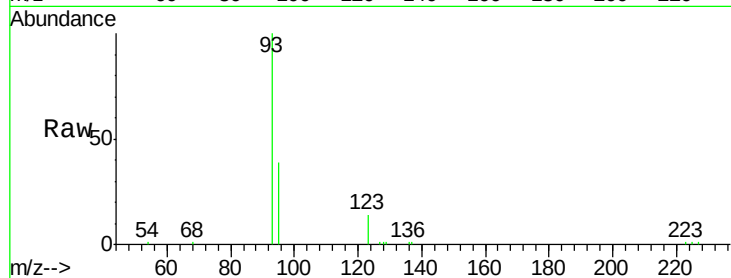




#11
 bis(2-Chloroethoxy)methane
 Concen: 3.74 ng
 RT: 10.40 min Scan# 432
 Delta R.T. 0.00 min
 Lab File: BE092100.D
 Acq: 1 Aug 2016 20:20

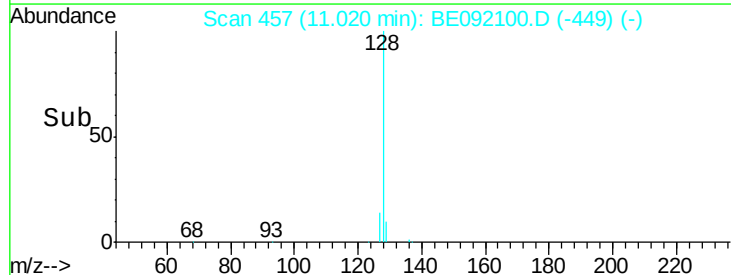
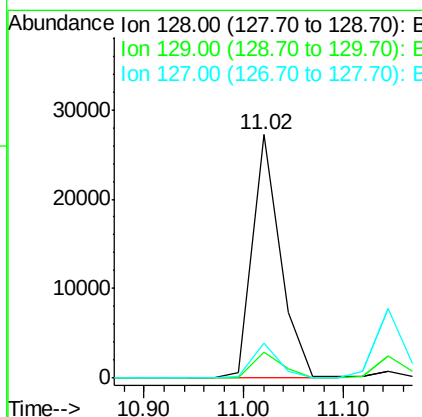
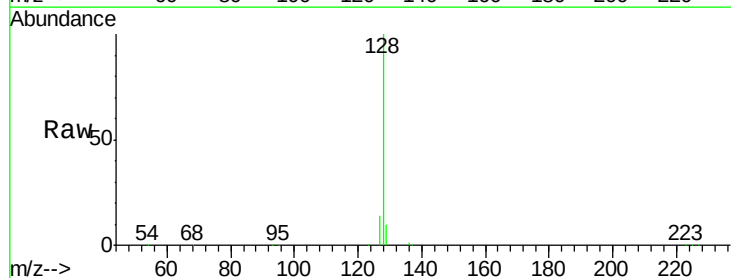
Instrument :
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 TILCON-MH-SF-004MS

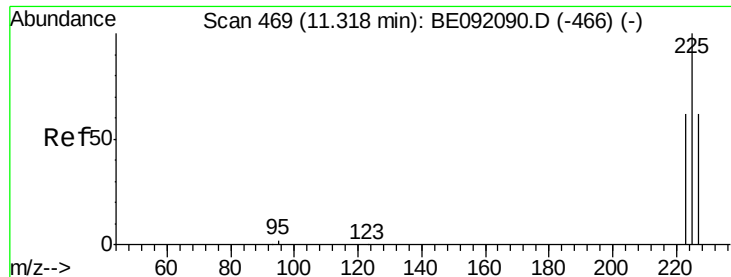
Tgt Ion: 93 Resp: 20817
 Ion Ratio Lower Upper
 93 100
 95 32.0 25.0 37.6
 123 10.5 7.8 11.8



#12
 Naphthalene
 Concen: 3.68 ng
 RT: 11.02 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BE092100.D
 Acq: 1 Aug 2016 20:20

Tgt Ion: 128 Resp: 52874
 Ion Ratio Lower Upper
 128 100
 129 10.5 11.1 16.7#
 127 14.2 11.3 16.9

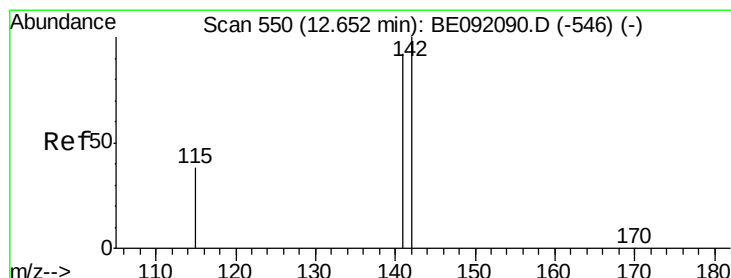
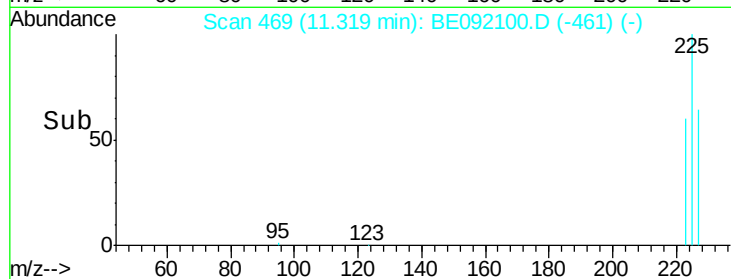
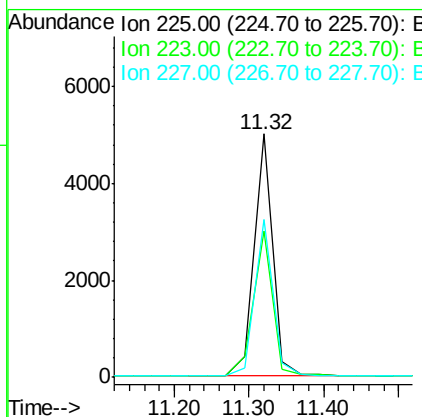
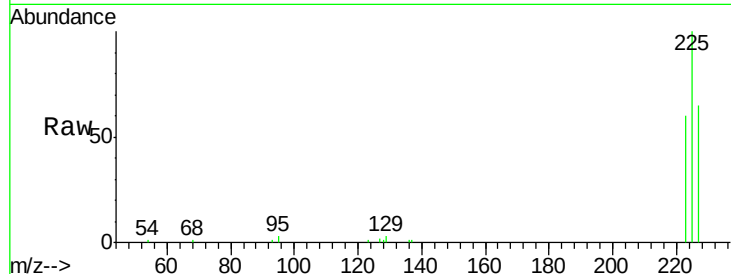




#13
Hexachlorobutadiene
Concen: 3.62 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092100.D
Acq: 1 Aug 2016 20:20

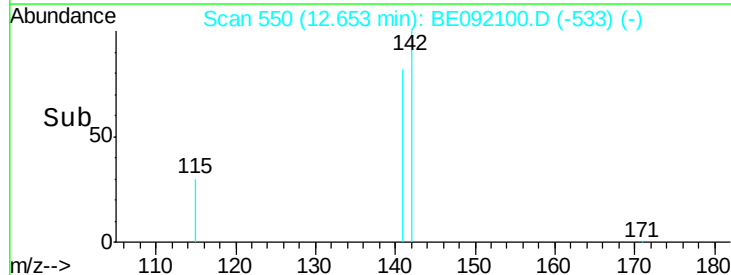
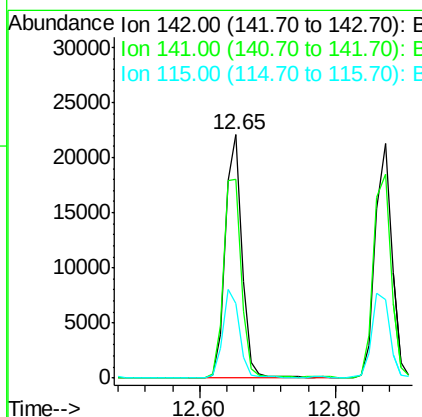
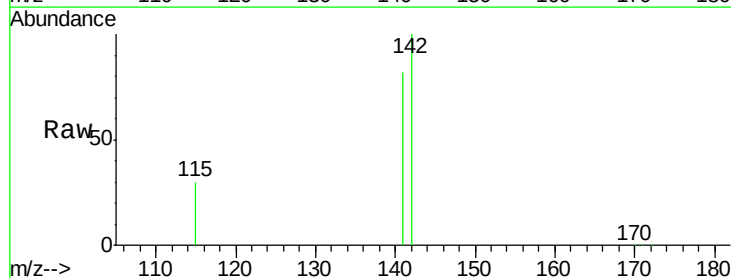
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MS

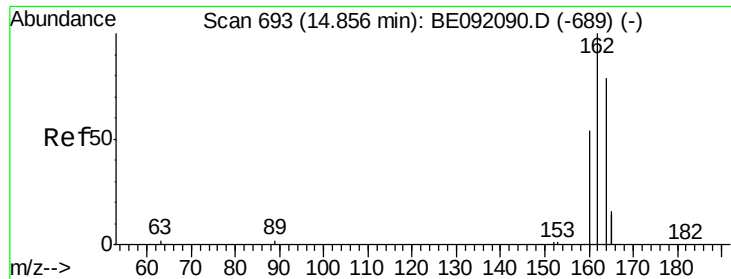
Tgt Ion: 225 Resp: 8478
Ion Ratio Lower Upper
225 100
223 61.5 51.9 77.9
227 64.2 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 3.96 ng
RT: 12.65 min Scan# 550
Delta R.T. 0.00 min
Lab File: BE092100.D
Acq: 1 Aug 2016 20:20

Tgt Ion: 142 Resp: 38197
Ion Ratio Lower Upper
142 100
141 81.5 65.1 97.7
115 30.4 27.0 40.4





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

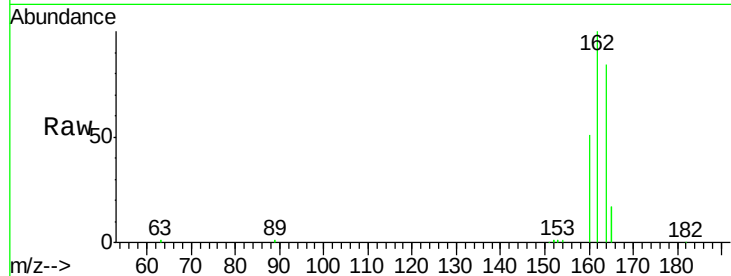
Tgt Ion:164 Resp: 34830

Ion Ratio Lower Upper

164 100

162 119.7 69.5 104.3#

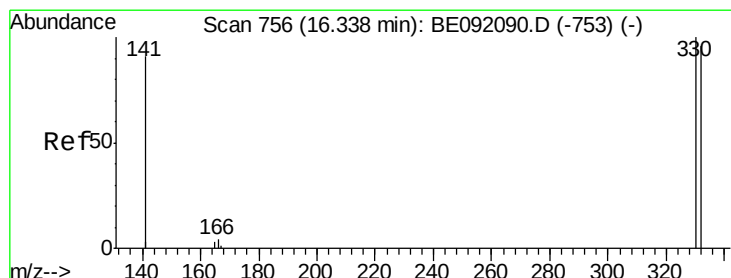
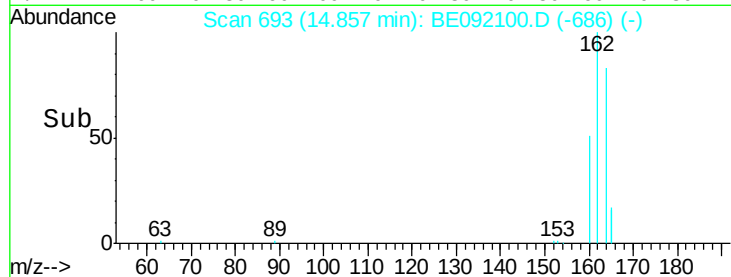
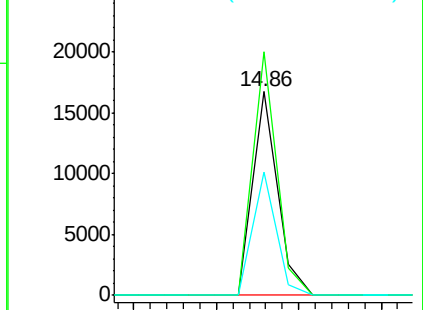
160 60.8 27.6 41.4#



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



#16

2,4,6-Tribromophenol

Concen: 5.97 ng

RT: 16.32 min Scan# 755

Delta R.T. -0.02 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

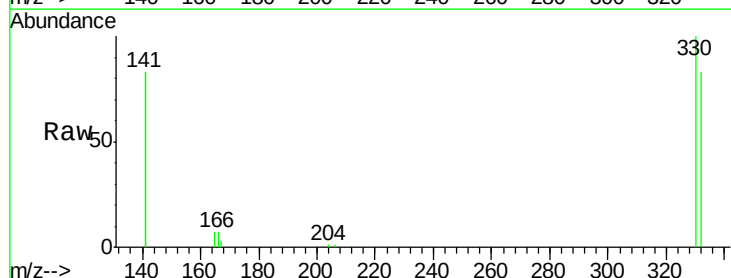
Tgt Ion:330 Resp: 13737

Ion Ratio Lower Upper

330 100

332 96.7 74.2 111.4

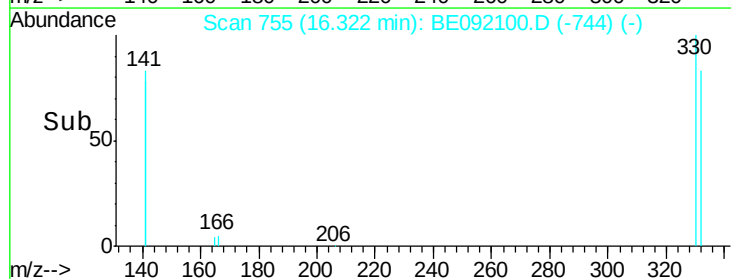
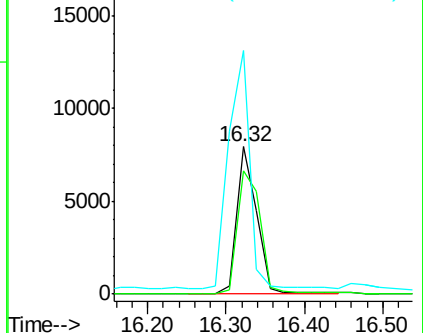
141 174.0 139.8 209.8

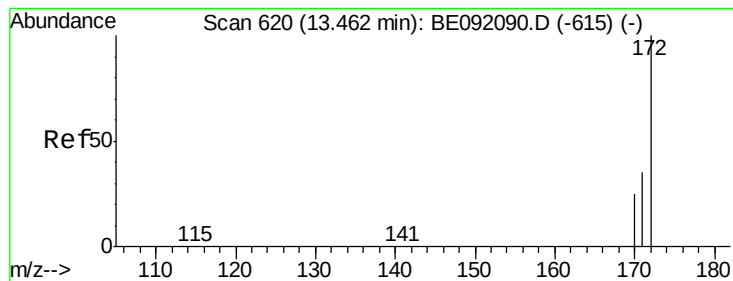


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

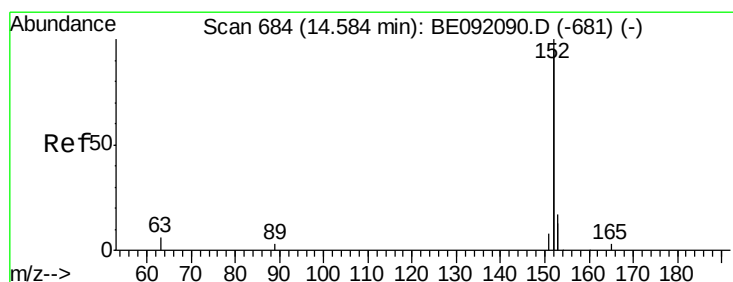
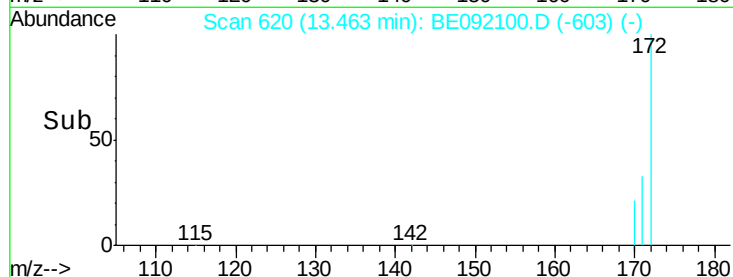
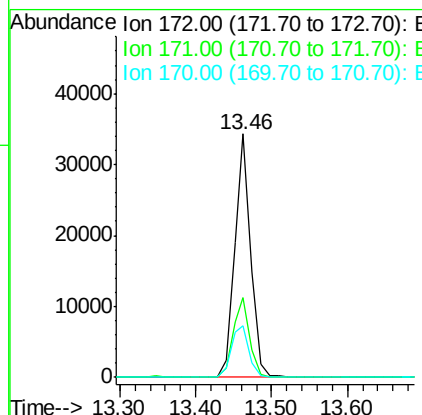
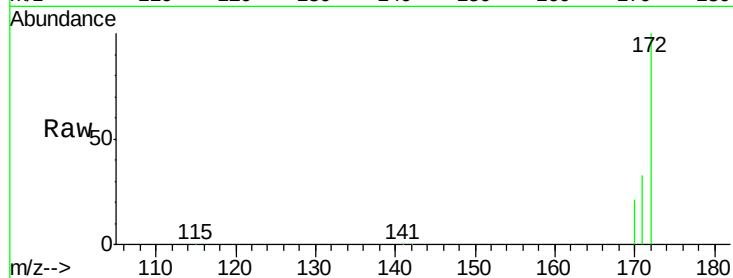




#17
2-Fluorobiphenyl
Concen: 3.76 ng
RT: 13.46 min Scan# 620
Delta R.T. 0.00 min
Lab File: BE092100.D
Acq: 1 Aug 2016 20:20

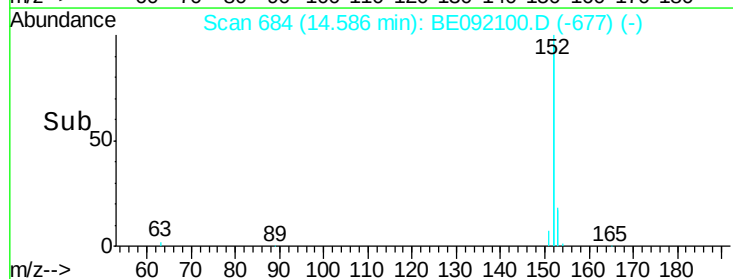
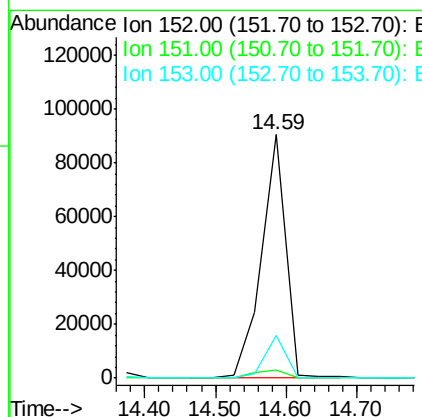
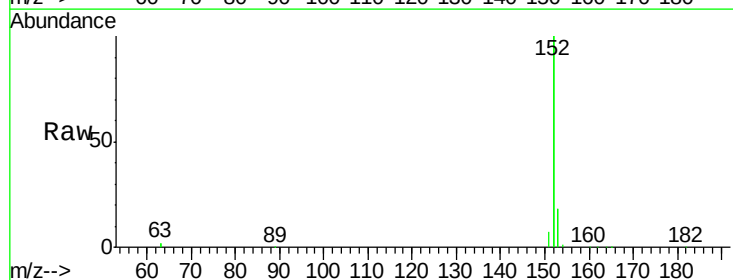
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MS

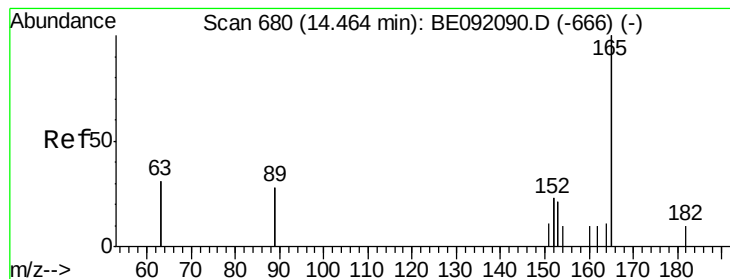
Tgt Ion:172 Resp: 50644
Ion Ratio Lower Upper
172 100
171 32.9 30.3 45.5
170 21.0 21.6 32.4#



#18
Acenaphthylene
Concen: 2.73 ng
RT: 14.59 min Scan# 684
Delta R.T. 0.00 min
Lab File: BE092100.D
Acq: 1 Aug 2016 20:20

Tgt Ion:152 Resp: 210429
Ion Ratio Lower Upper
152 100
151 4.5 4.0 6.0
153 15.1 9.6 14.4#





#19

2,6-Dinitrotoluene

Concen: 2.99 ng

RT: 14.47 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

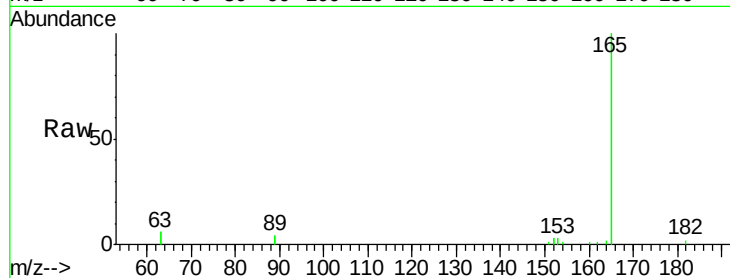
Tgt Ion:165 Resp: 27075

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

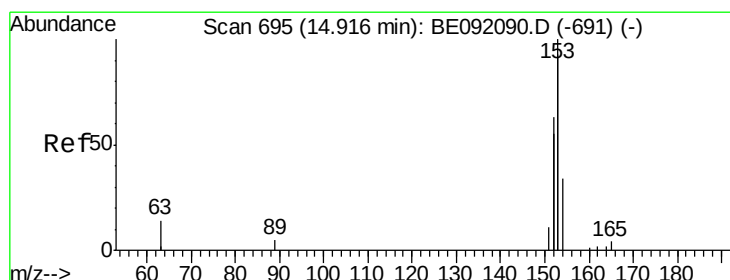
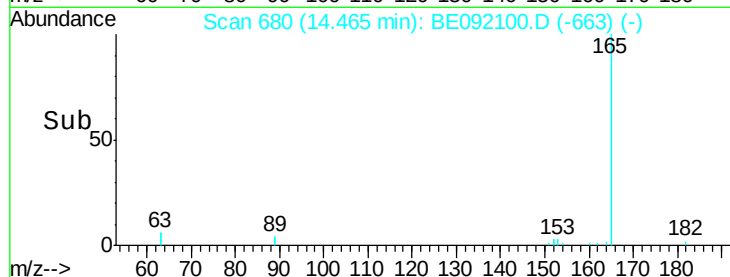
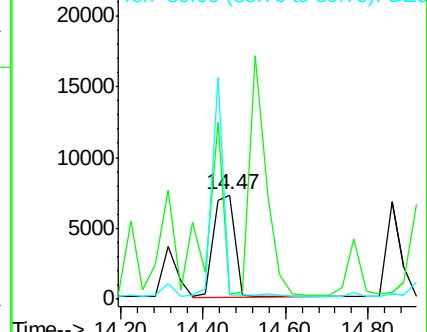
89 0.0 0.0 0.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0



#20

Acenaphthene

Concen: 3.85 ng

RT: 14.92 min Scan# 695

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

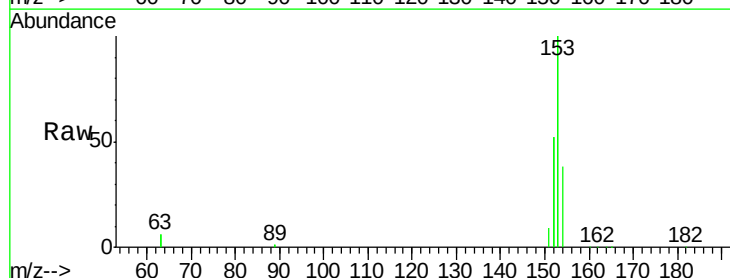
Tgt Ion:154 Resp: 40985

Ion Ratio Lower Upper

154 100

153 501.6 345.1 517.7

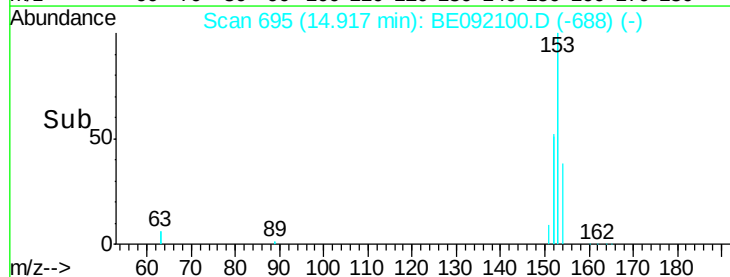
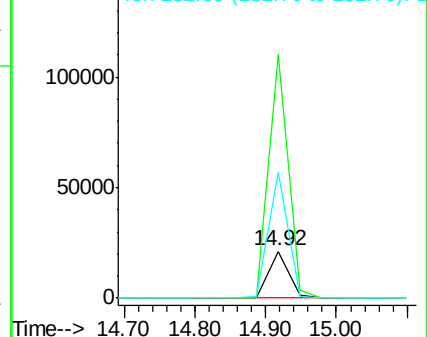
152 256.7 0.0 0.0#

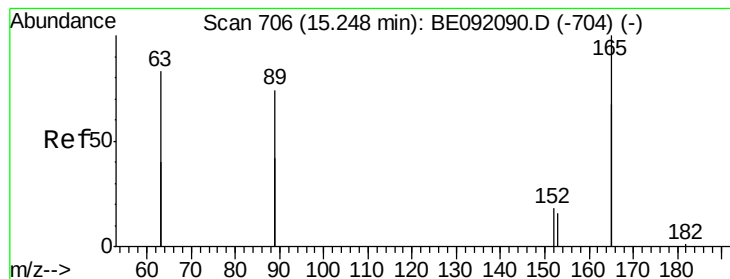


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#21

2,4-Dinitrotoluene

Concen: 2.76 ng

RT: 15.25 min Scan# 706

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

Tgt Ion:165 Resp: 41103

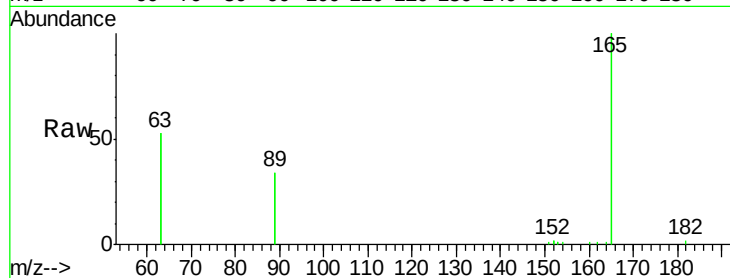
Ion Ratio Lower Upper

165 100

63 0.0 324.0 486.0#

89 0.0 308.4 462.6#

182 0.7 0.0 0.0#

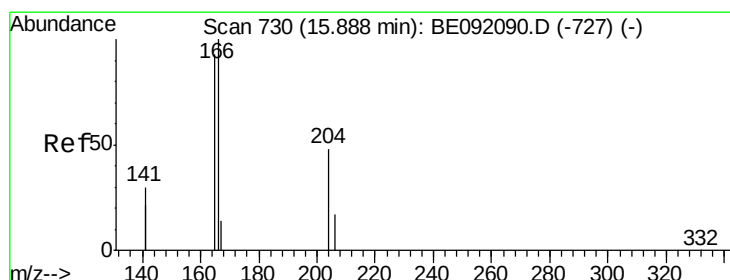
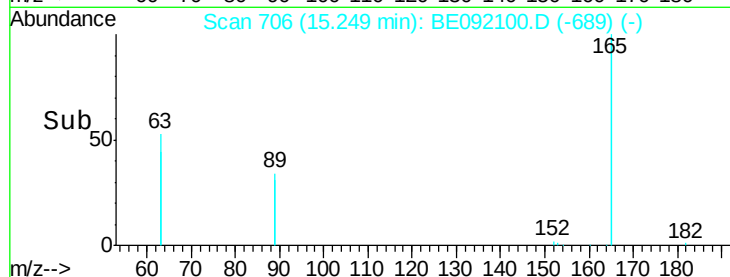
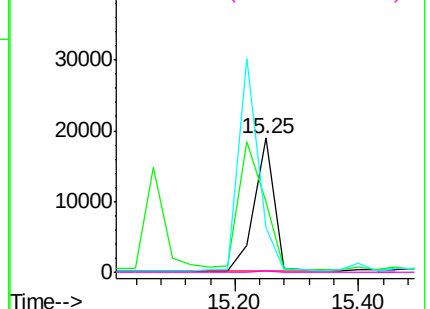


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 3.12 ng

RT: 15.89 min Scan# 730

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

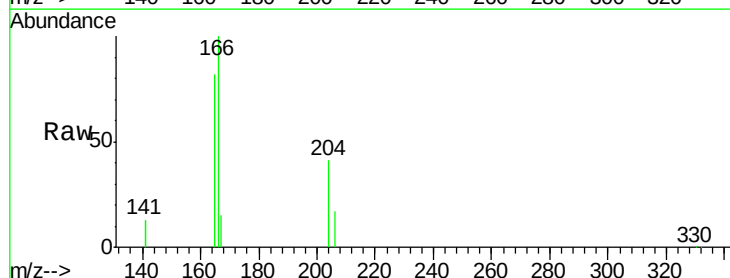
Tgt Ion:166 Resp: 50039

Ion Ratio Lower Upper

166 100

165 99.1 78.6 118.0

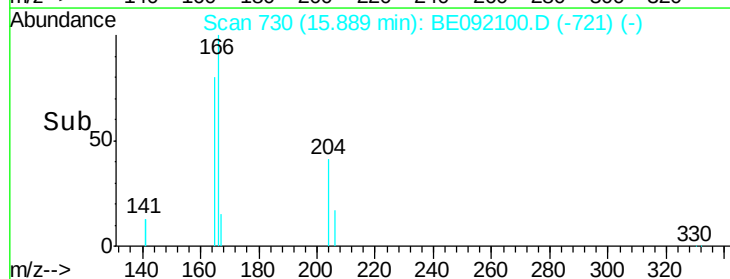
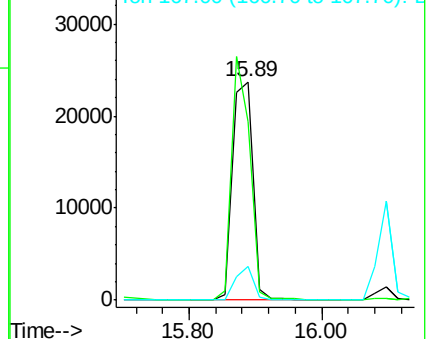
167 13.5 11.1 16.7

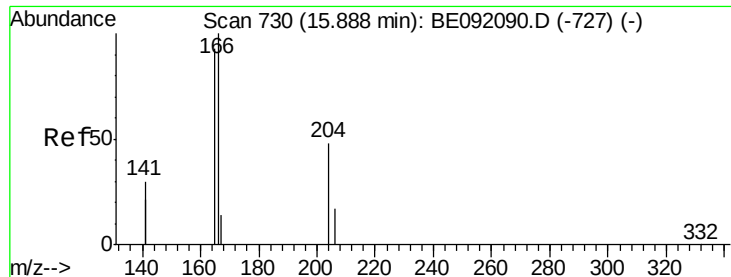


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

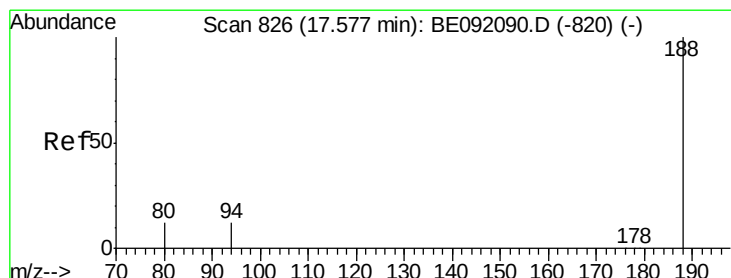
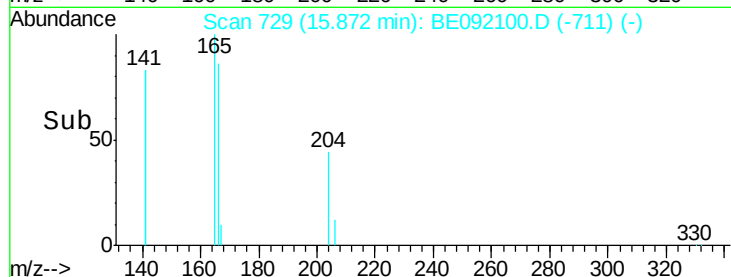
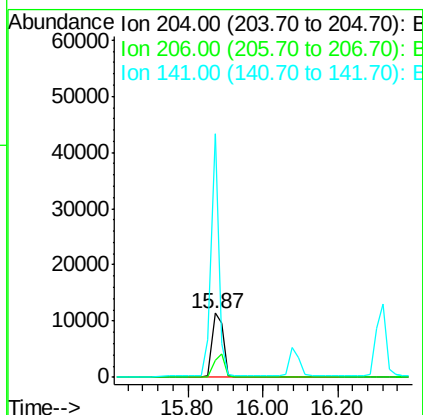
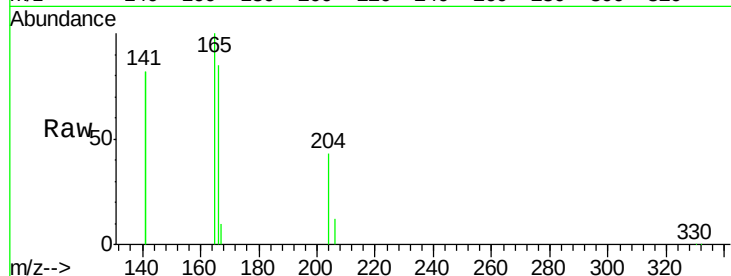




#23
4-Chlorophenyl-phenylether
Concen: 2.76 ng
RT: 15.87 min Scan# 729
Delta R.T. -0.02 min
Lab File: BE092100.D
Acq: 1 Aug 2016 20:20

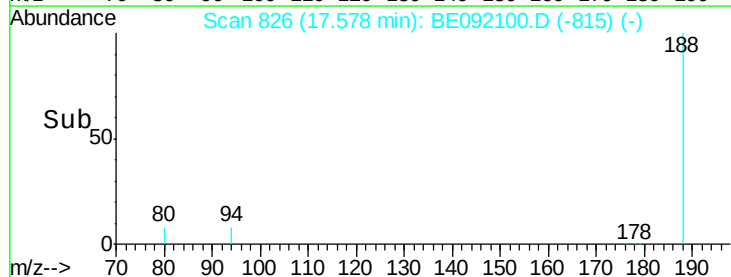
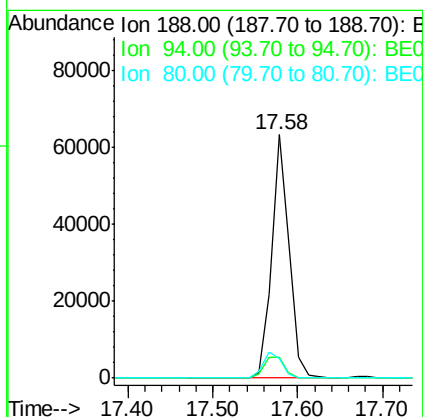
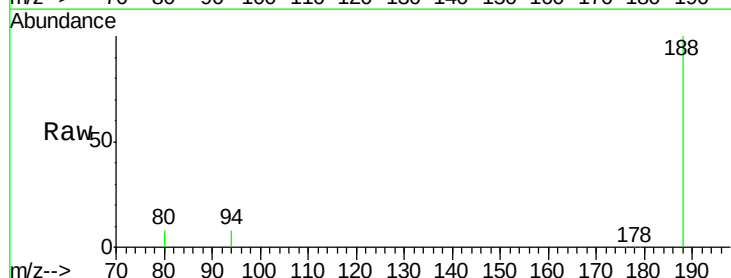
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MS

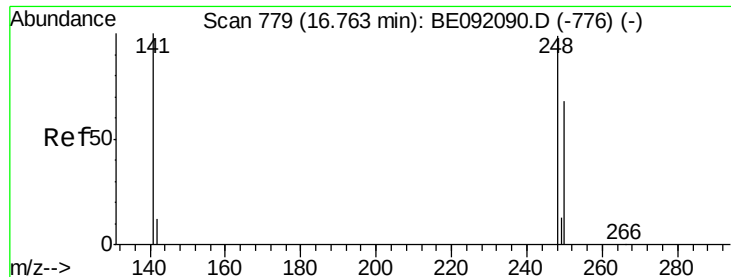
Tgt Ion:204 Resp: 22522
Ion Ratio Lower Upper
204 100
206 43.2 27.0 40.4#
141 318.0 198.5 297.7#



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE092100.D
Acq: 1 Aug 2016 20:20

Tgt Ion:188 Resp: 114749
Ion Ratio Lower Upper
188 100
94 8.4 3.9 5.9#
80 7.9 3.4 5.0#





#25

4-Bromophenyl-phenylether

Concen: 3.70 ng

RT: 16.76 min Scan# 779

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

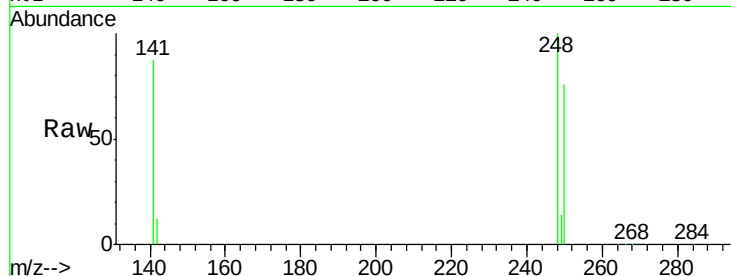
Tgt Ion:248 Resp: 14246

Ion Ratio Lower Upper

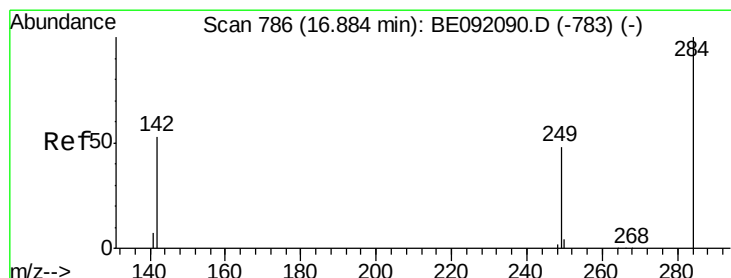
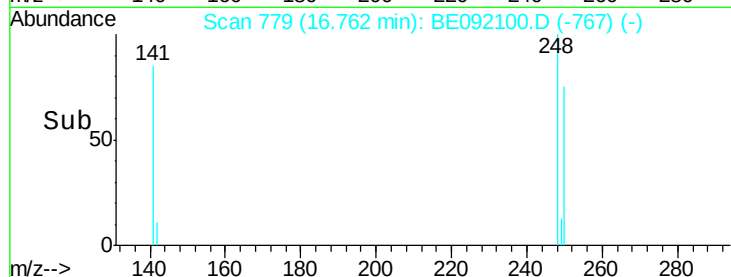
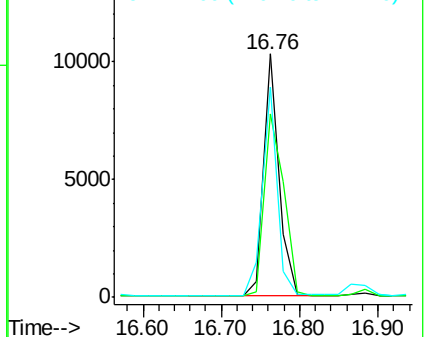
248 100

250 95.1 79.6 119.4

141 83.2 68.7 103.1



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#26

Hexachlorobenzene

Concen: 3.78 ng

RT: 16.88 min Scan# 786

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

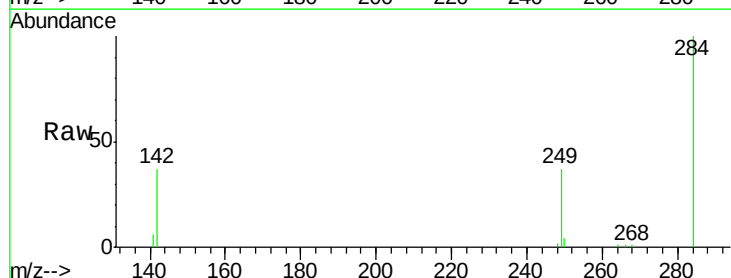
Tgt Ion:284 Resp: 14480

Ion Ratio Lower Upper

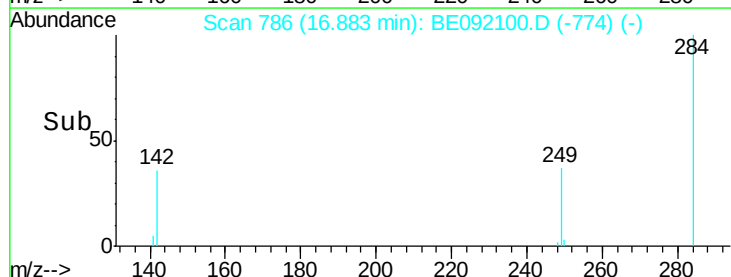
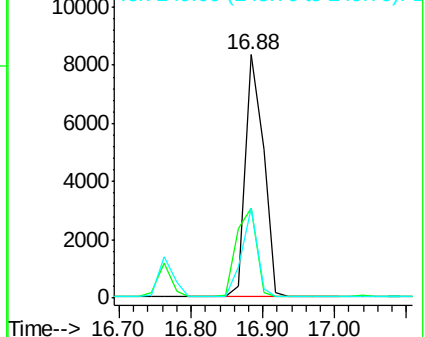
284 100

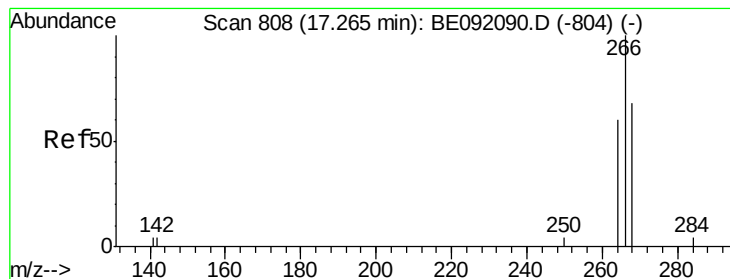
142 40.0 33.3 49.9

249 31.5 25.4 38.0



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





#27

Pentachlorophenol

Concen: 10.42 ng

RT: 17.23 min Scan# 806

Delta R.T. -0.04 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

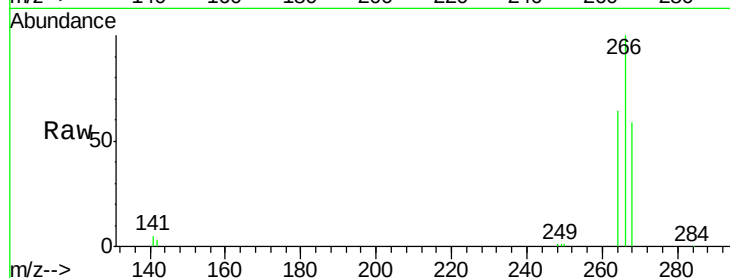
Tgt Ion:266 Resp: 15535

Ion Ratio Lower Upper

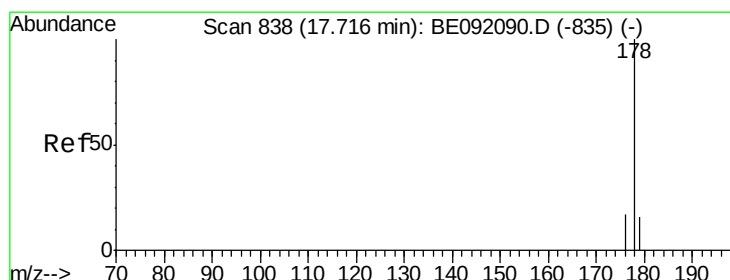
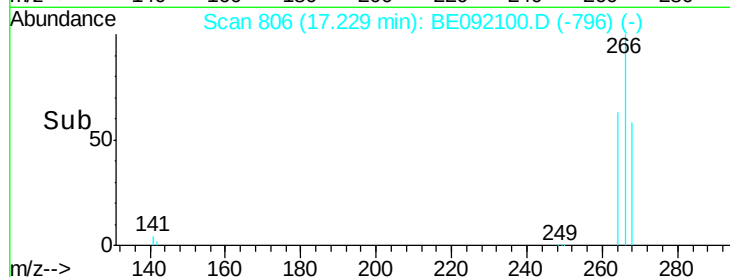
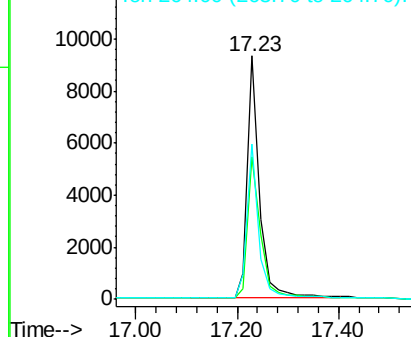
266 100

268 58.7 62.7 94.1#

264 63.6 63.5 95.3



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



#28

Phenanthrene

Concen: 4.09 ng

RT: 17.61 min Scan# 829

Delta R.T. -0.01 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

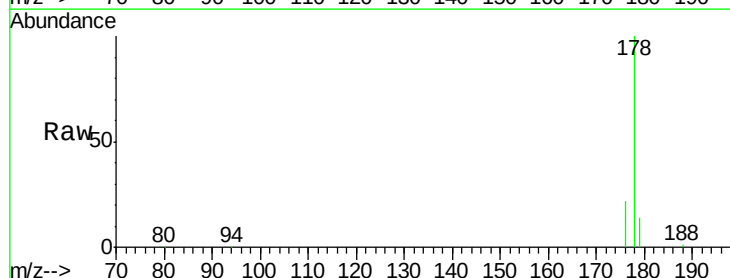
Tgt Ion:178 Resp: 111337

Ion Ratio Lower Upper

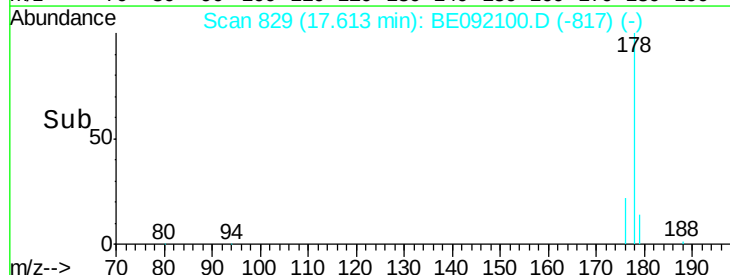
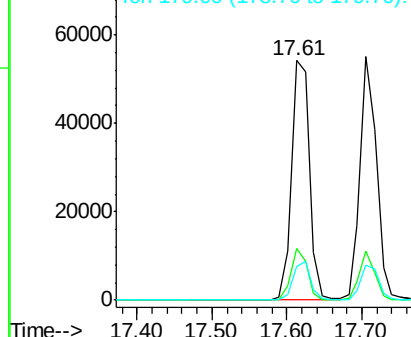
178 100

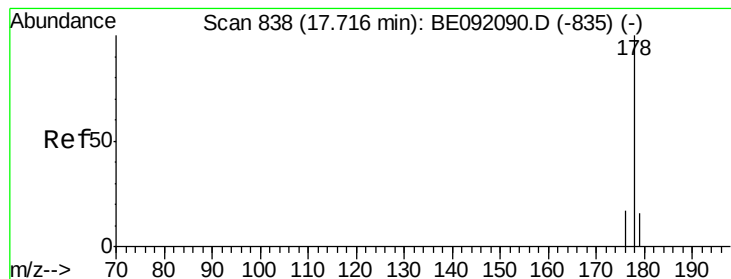
176 20.0 15.4 23.0

179 16.2 12.7 19.1



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





#29

Anthracene

Concen: 3.67 ng

RT: 17.71 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

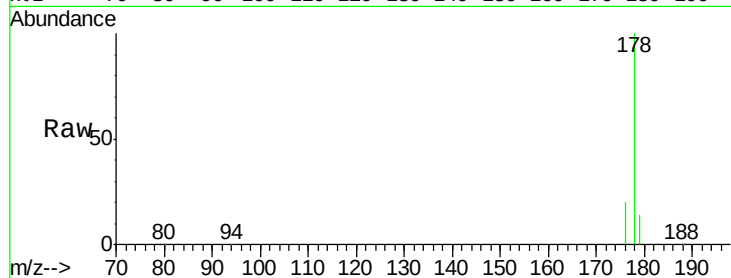
Tgt Ion:178 Resp: 84098

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

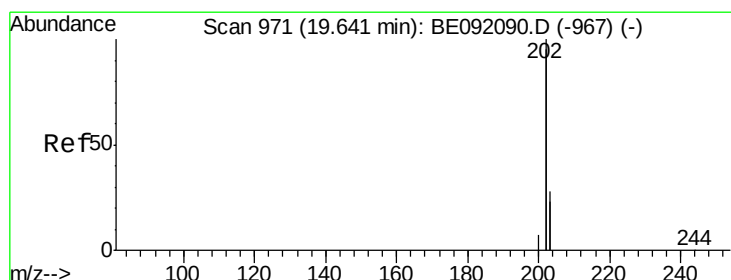
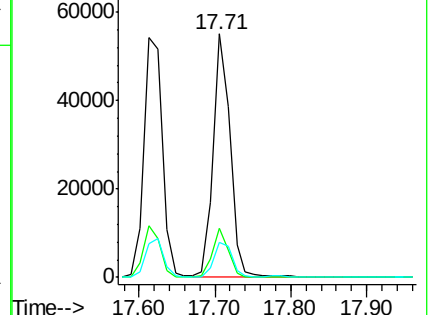
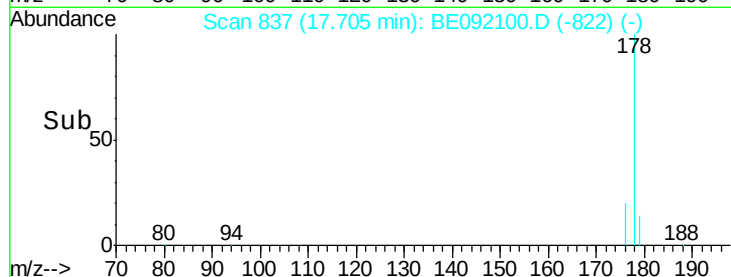
179 15.2 12.2 18.4



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



#30

Fluoranthene

Concen: 4.91 ng

RT: 19.61 min Scan# 970

Delta R.T. -0.03 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

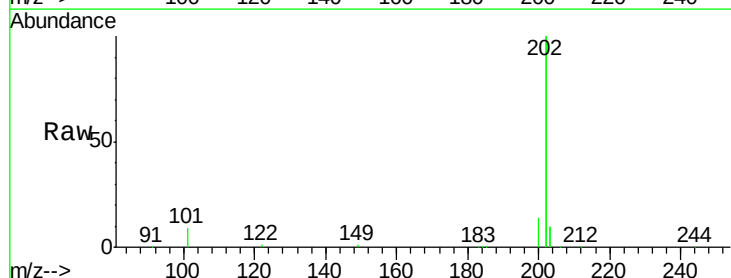
Tgt Ion:202 Resp: 385707

Ion Ratio Lower Upper

202 100

101 4.0 2.2 3.2#

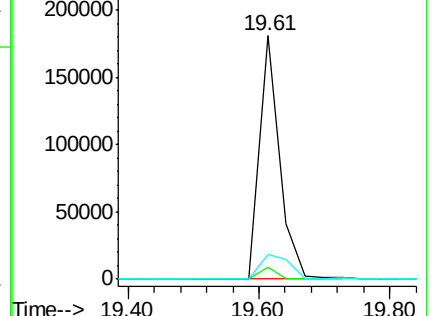
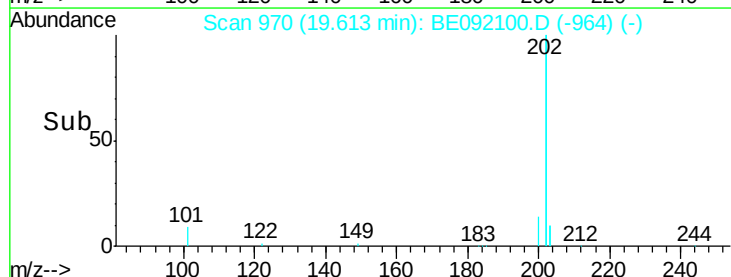
203 15.0 13.0 19.4

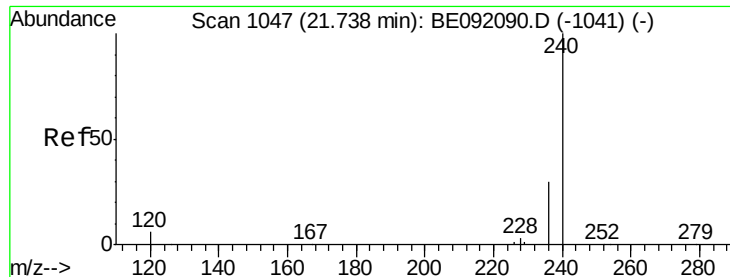


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.74 min Scan# 1047

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

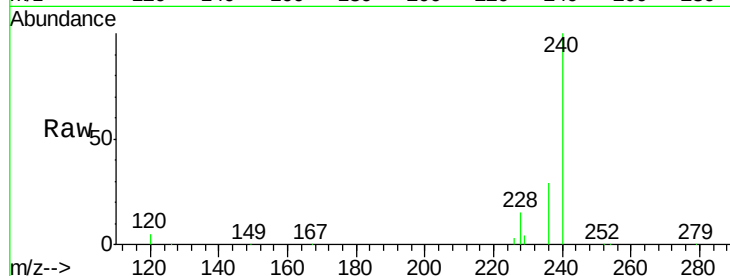
Tgt Ion:240 Resp: 121787

Ion Ratio Lower Upper

240 100

120 5.5 0.6 1.0#

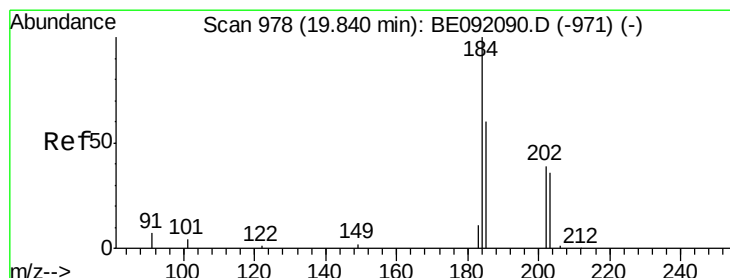
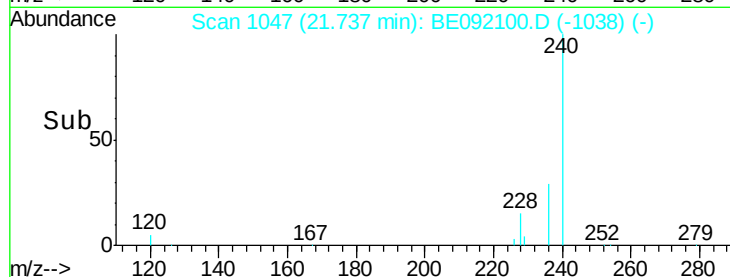
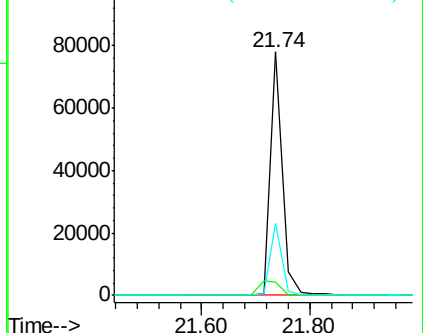
236 29.4 18.2 27.4#



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#32

Benzidine

Concen: 0.56 ng

RT: 19.81 min Scan# 977

Delta R.T. -0.03 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

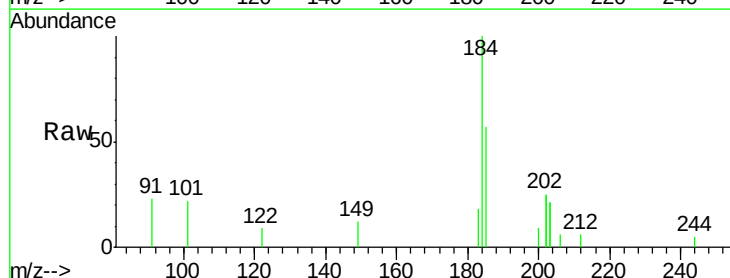
Tgt Ion:184 Resp: 3305

Ion Ratio Lower Upper

184 100

185 56.7 23.8 35.6#

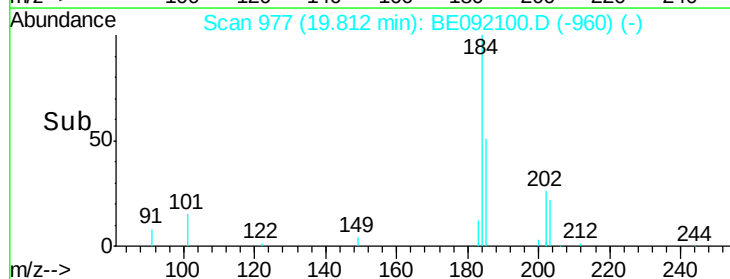
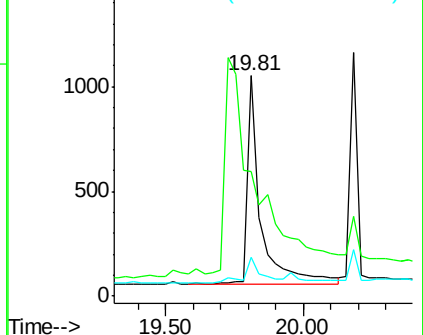
183 17.6 20.7 31.1#

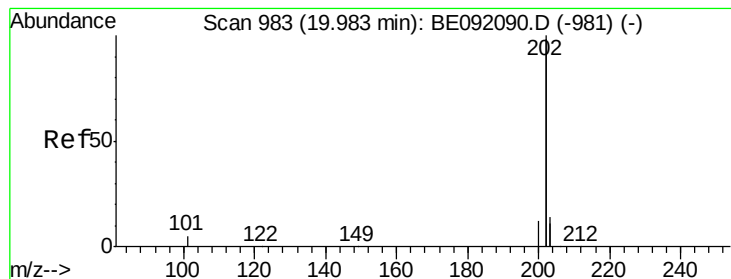


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 4.47 ng

RT: 19.98 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

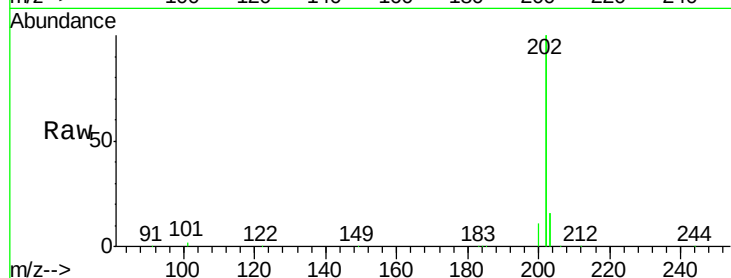
Tgt Ion:202 Resp: 618152

Ion Ratio Lower Upper

202 100

200 5.4 4.4 6.6

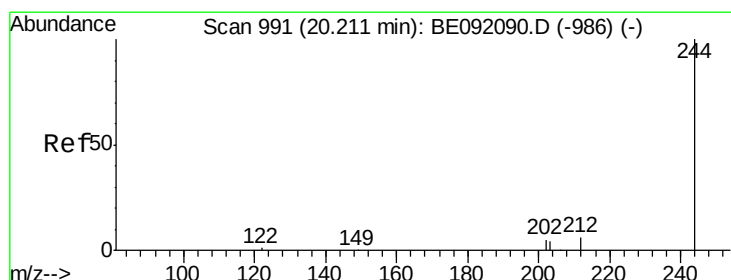
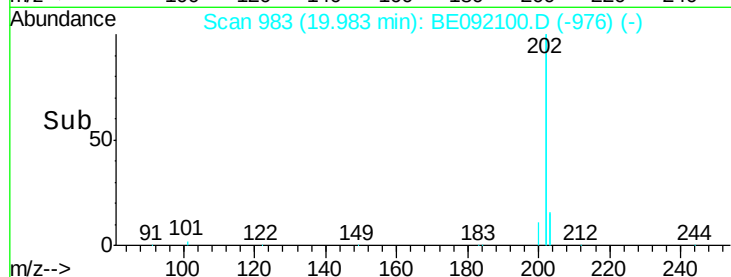
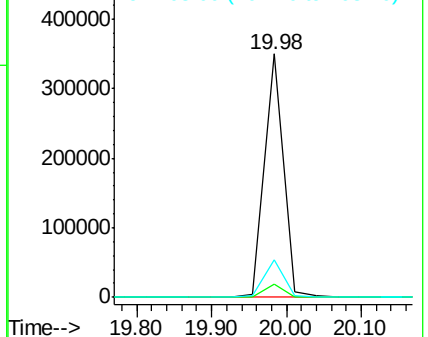
203 16.2 13.4 20.0



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



#34

Terphenyl-d14

Concen: 4.29 ng

RT: 20.18 min Scan# 990

Delta R.T. -0.03 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

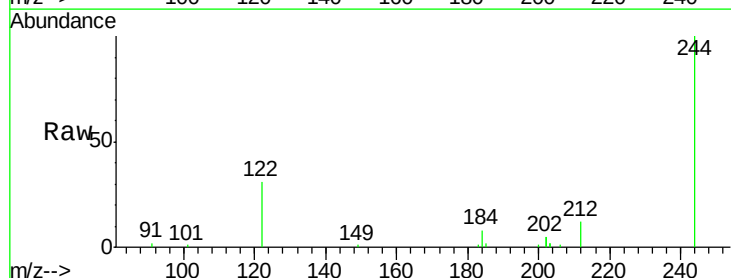
Tgt Ion:244 Resp: 49791

Ion Ratio Lower Upper

244 100

212 12.1 9.1 13.7

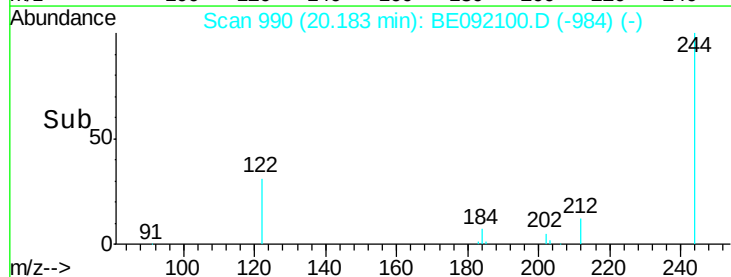
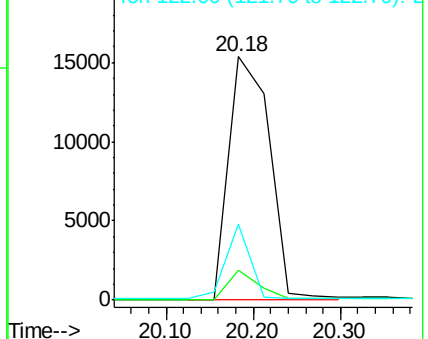
122 31.2 11.0 16.4#

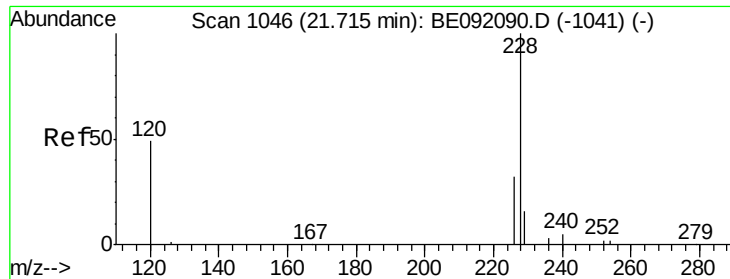


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

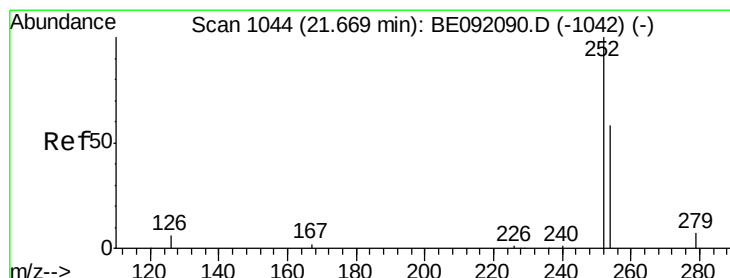
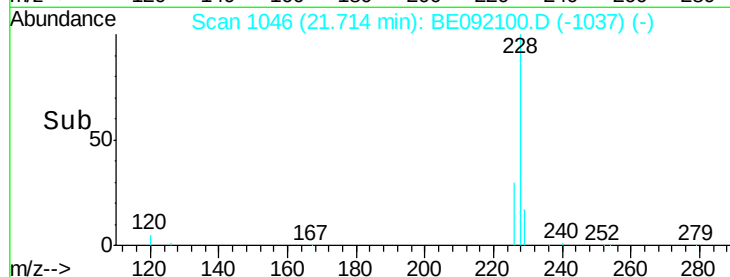
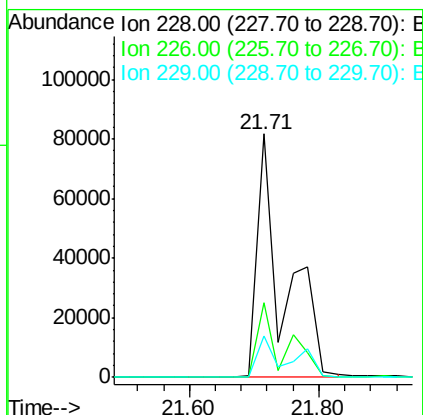
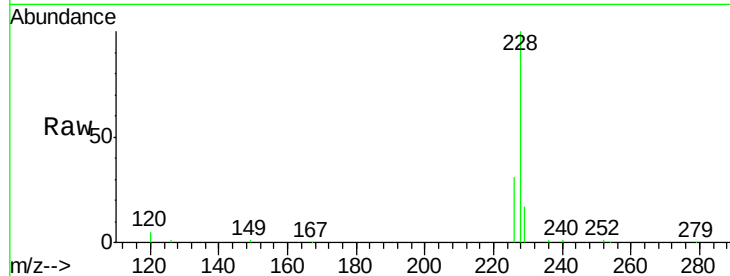




#35
Benzo(a)anthracene
Concen: 8.07 ng
RT: 21.71 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BE092100.D
Acq: 1 Aug 2016 20:20

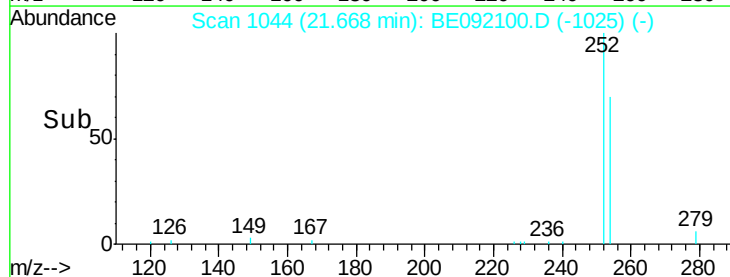
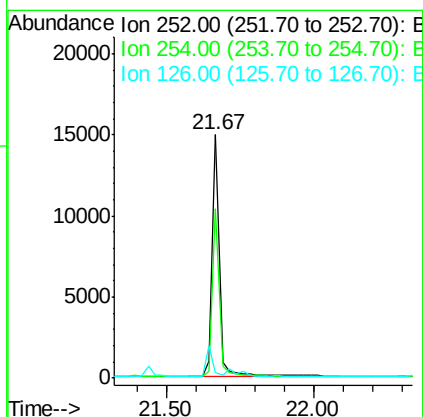
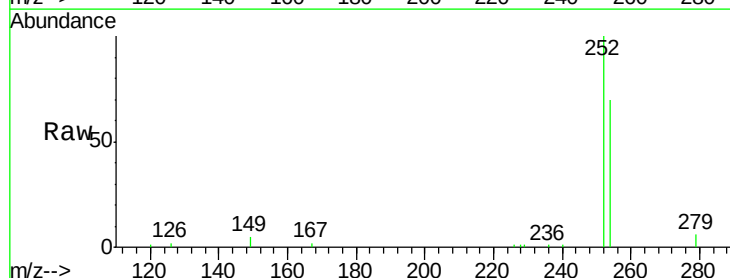
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MS

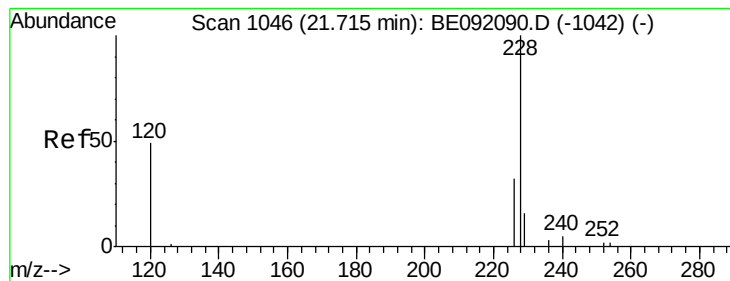
Tgt Ion:228 Resp: 232024
Ion Ratio Lower Upper
228 100
226 30.5 22.1 33.1
229 17.1 15.1 22.7



#36
3,3'-Dichlorobenzidine
Concen: 2.34 ng
RT: 21.67 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BE092100.D
Acq: 1 Aug 2016 20:20

Tgt Ion:252 Resp: 25622
Ion Ratio Lower Upper
252 100
254 69.8 44.2 66.2#
126 2.4 10.6 15.8#





#37

Chrysene

Concen: 8.05 ng

RT: 21.71 min Scan# 1046

Delta R.T. -0.07 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

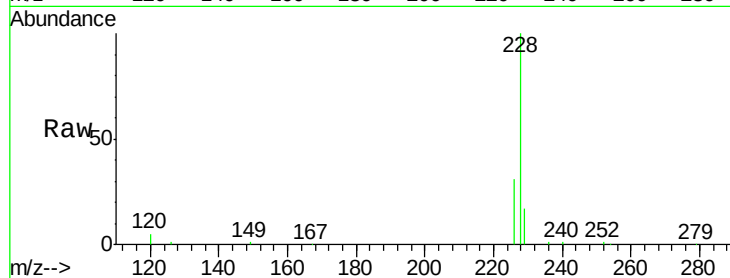
Tgt Ion:228 Resp: 233412

Ion Ratio Lower Upper

228 100

226 30.5 22.3 33.5

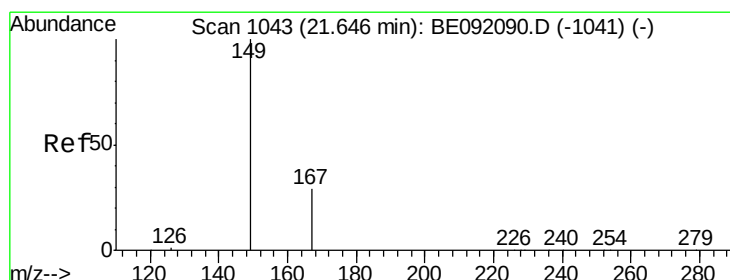
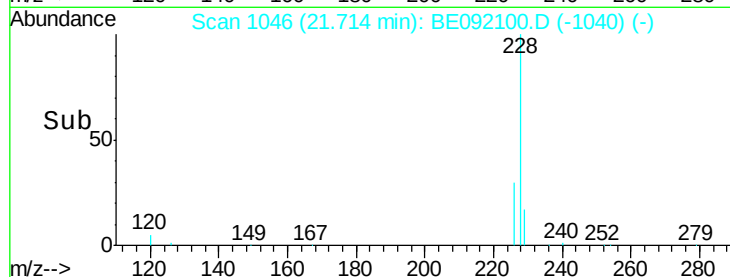
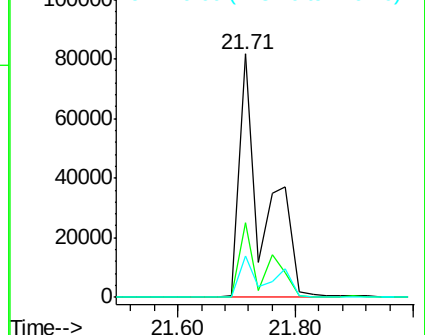
229 17.1 16.9 25.3



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



#38

Bis(2-ethylhexyl)phthalate

Concen: 3.79 ng

RT: 21.65 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

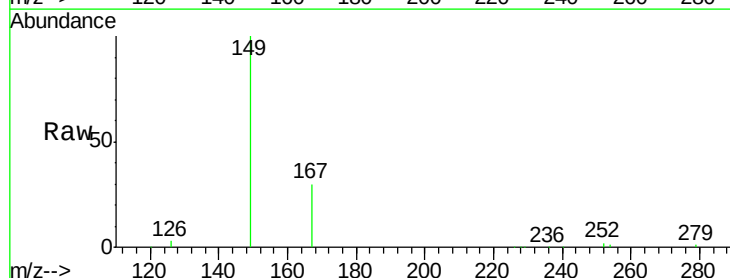
Tgt Ion:149 Resp: 90052

Ion Ratio Lower Upper

149 100

167 29.4 3.8 5.6#

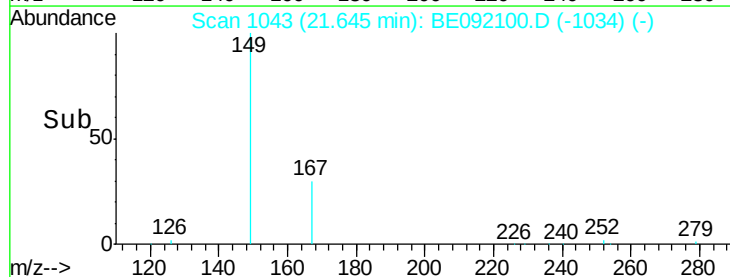
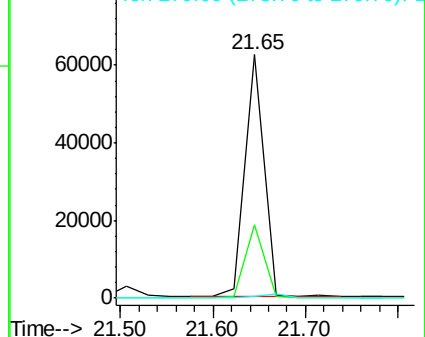
279 0.0 0.0 0.0

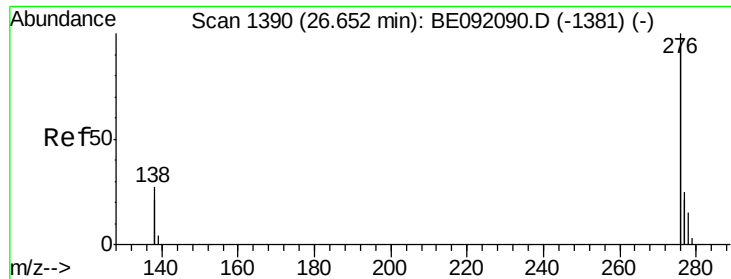


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.16 ng

RT: 26.65 min Scan# 1389

Delta R.T. -0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

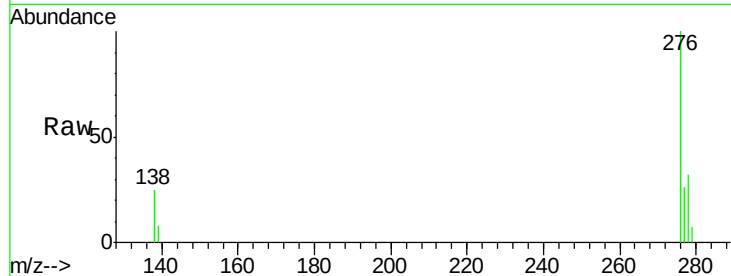
Tgt Ion:276 Resp: 537756

Ion Ratio Lower Upper

276 100

138 26.4 21.2 31.8

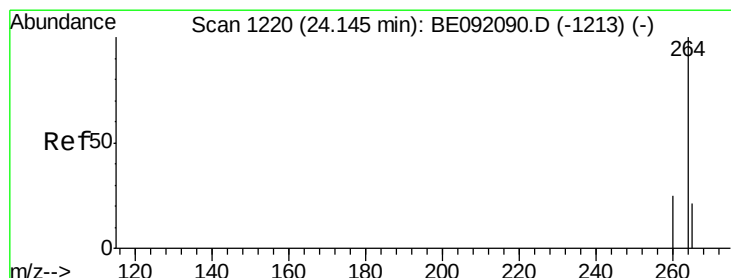
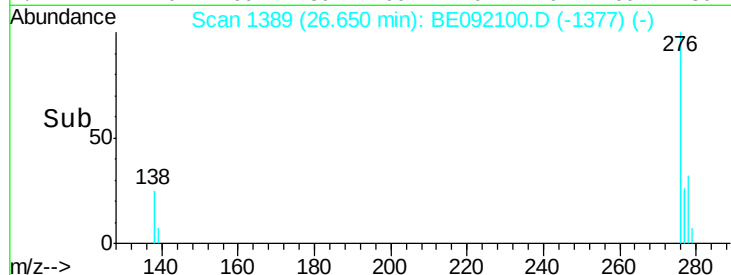
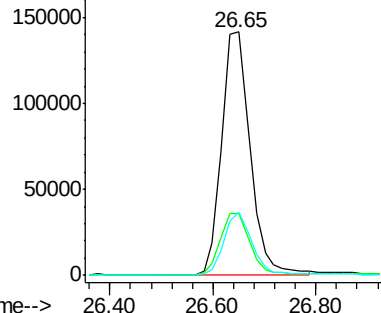
277 24.8 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1220

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

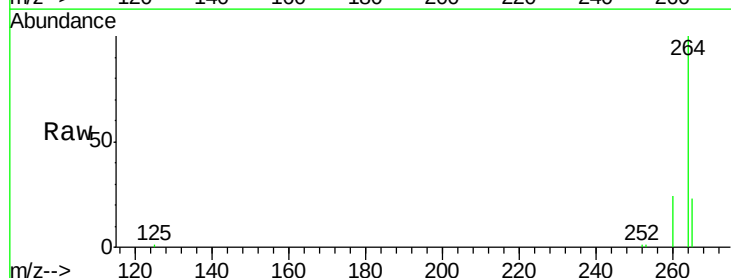
Tgt Ion:264 Resp: 114834

Ion Ratio Lower Upper

264 100

260 24.0 20.8 31.2

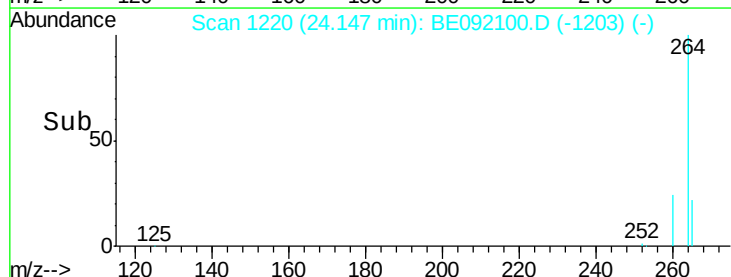
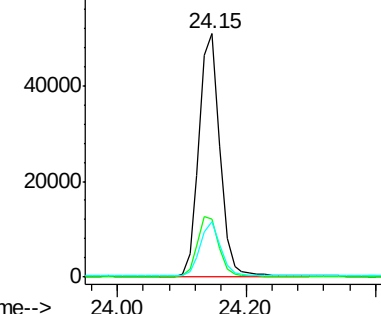
265 22.5 16.6 25.0

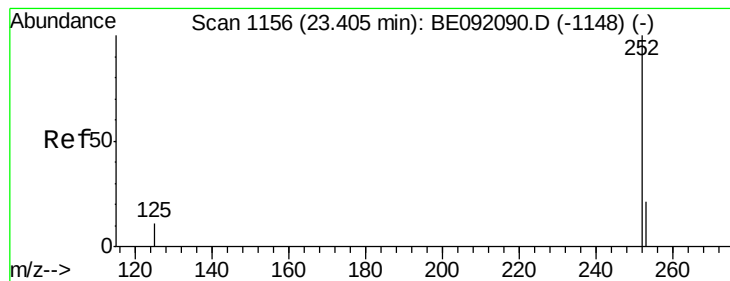


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 3.85 ng

RT: 23.45 min Scan# 1160

Delta R.T. 0.05 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

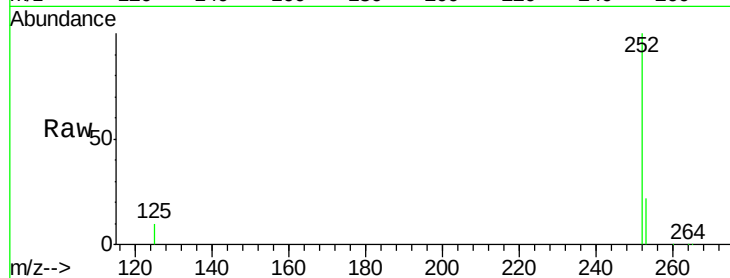
Tgt Ion:252 Resp: 113059

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

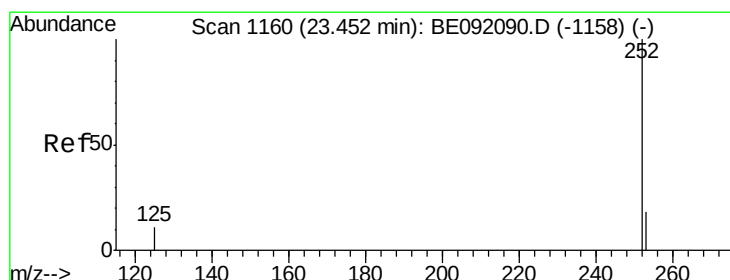
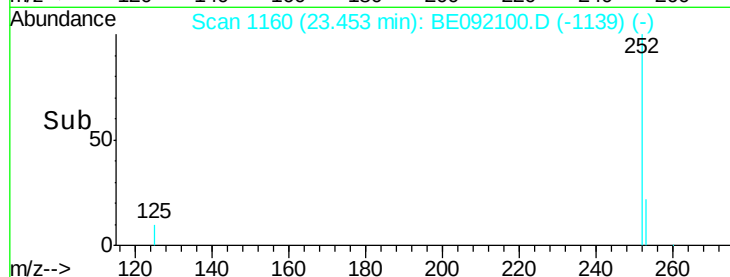
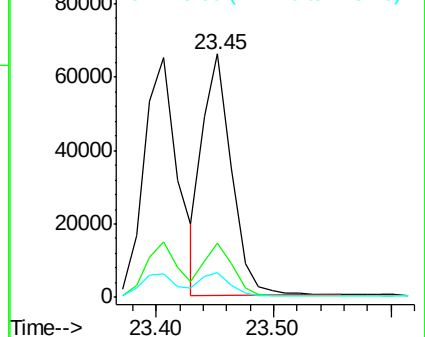
125 10.2 10.2 15.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#42

Benzo(k)fluoranthene

Concen: 3.48 ng

RT: 23.45 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

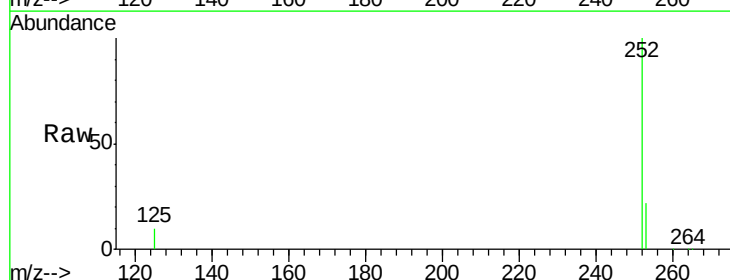
Tgt Ion:252 Resp: 113365

Ion Ratio Lower Upper

252 100

253 22.5 19.4 29.0

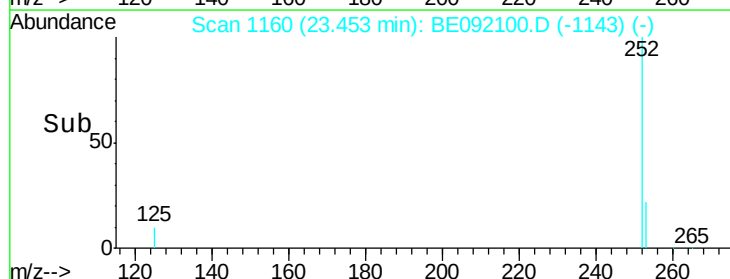
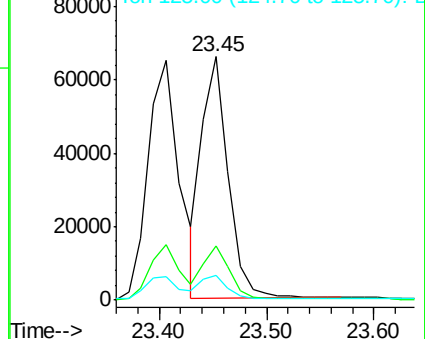
125 10.2 8.9 13.3

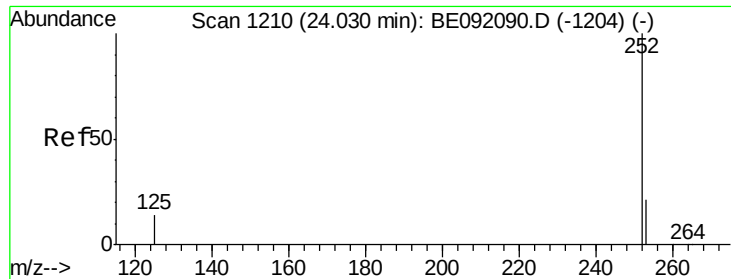


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#43

Benzo(a)pyrene

Concen: 4.03 ng

RT: 24.03 min Scan# 1210

Delta R.T. 0.00 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS

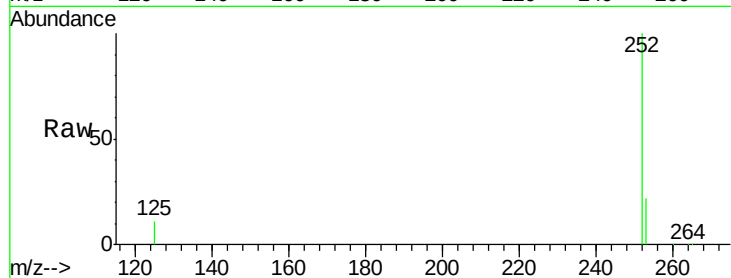
Tgt Ion:252 Resp: 119134

Ion Ratio Lower Upper

252 100

253 22.2 19.8 29.8

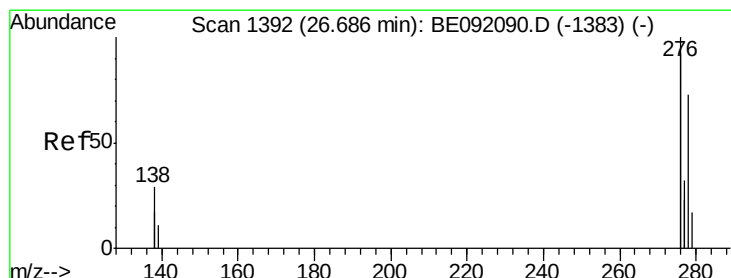
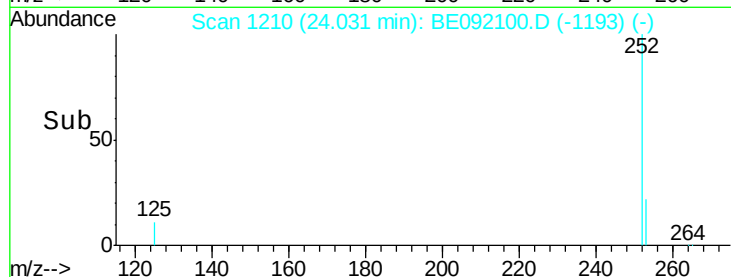
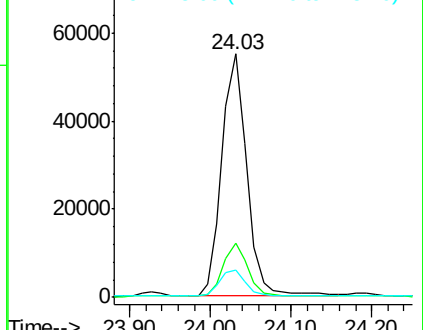
125 11.4 10.4 15.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 4.02 ng

RT: 26.67 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BE092100.D

Acq: 1 Aug 2016 20:20

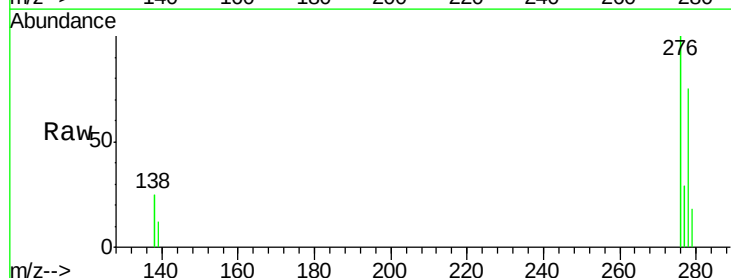
Tgt Ion:278 Resp: 110541

Ion Ratio Lower Upper

278 100

139 16.4 16.7 25.1#

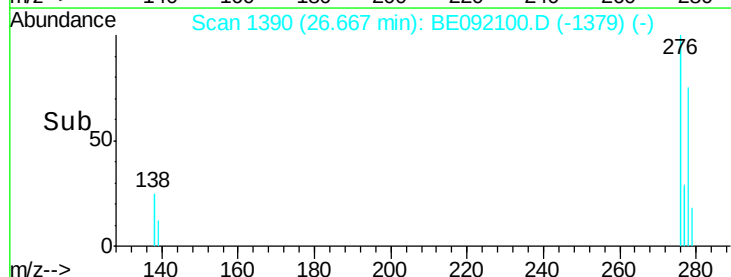
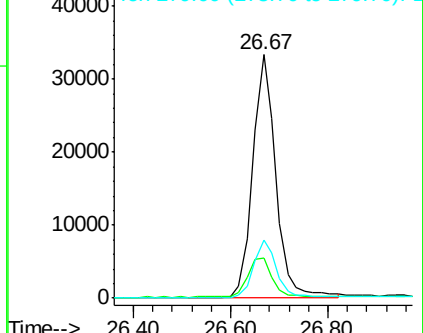
279 23.8 20.3 30.5

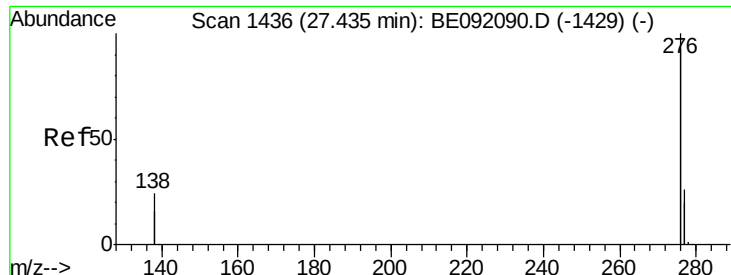


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 4.03 ng

RT: 27.42 min Scan# 1434

Delta R.T. -0.02 min

Lab File: BE092100.D

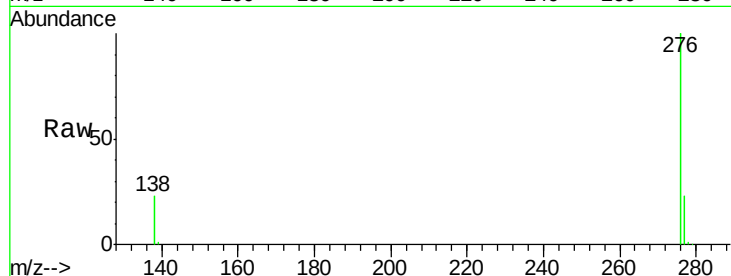
Acq: 1 Aug 2016 20:20

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MS



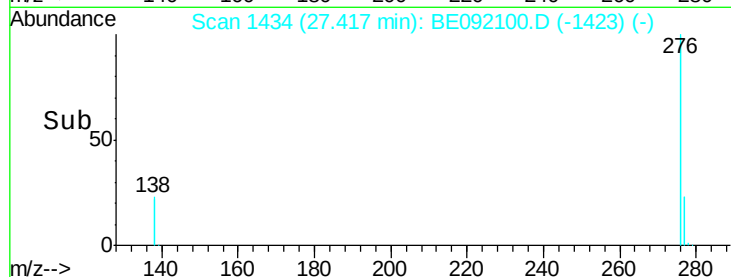
Tgt Ion: 276 Resp: 465344

Ion Ratio Lower Upper

276 100

277 23.3 19.5 29.3

138 22.7 20.8 31.2



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

