

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
 Data File : BE092069.D
 Acq On : 28 Jul 2016 6:21
 Operator : UM/SJ
 Sample : H4107-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Jul 28 06:53:35 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:13:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	11941	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	60901	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	34186	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	116268	5.00	ng	0.00
31) Chrysene-d12	21.76	240	136060	5.00	ng	0.00
40) Perylene-d12	24.15	264	124846	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	24263	9.12	ng	-0.02
5) Phenol-d6	7.35	99	36048	10.15	ng	0.00
9) Nitrobenzene-d5	9.35	82	19183	4.23	ng	-0.02
16) 2,4,6-Tribromophenol	16.33	330	13851	8.68	ng	-0.02
17) 2-Fluorobiphenyl	13.47	172	46230	3.38	ng	0.00
34) Terphenyl-d14	20.20	244	108167	4.27	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.45	88	3997	2.44	ng	# 84
3) n-Nitrosodimethylamine	3.78	42	8516	4.35	ng	# 98
6) bis(2-Chloroethyl)ether	7.59	93	14183	4.13	ng	96
7) n-Nitroso-di-n-propylamine	8.98	70	13194	4.65	ng	98
10) Nitrobenzene	9.39	77	18726	4.25	ng	98
11) bis(2-Chloroethoxy)methane	10.40	93	22215	4.37	ng	99
12) Naphthalene	11.04	128	48913	3.67	ng	# 94
13) Hexachlorobutadiene	11.32	225	6955	3.48	ng	# 100
14) 2-Methylnaphthalene	12.66	142	37485	4.35	ng	98
18) Acenaphthylene	14.56	152	332322	3.75	ng	97
19) 2,6-Dinitrotoluene	14.44	165	46501	4.14	ng	# 100
20) Acenaphthene	14.92	154	31309	3.35	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	82002	4.43	ng	# 1
22) Fluorene	15.90	166	57894	3.95	ng	99
23) 4-Chlorophenyl-phenylether	15.88	204	25547	3.54	ng	97
25) 4-Bromophenyl-phenylether	16.78	248	16815	3.52	ng	98
26) Hexachlorobenzene	16.90	284	17727	3.57	ng	98
27) Pentachlorophenol	17.23	266	19571	8.37	ng	# 82
28) Phenanthrene	17.63	178	113832	3.85	ng	99
29) Anthracene	17.71	178	111363	4.14	ng	100
30) Fluoranthene	19.63	202	648551	4.93	ng	99
32) Benzidine	20.20	184	1560	0.30	ng	94
33) Pyrene	19.99	202	731255	4.17	ng	99
35) Benzo(a)anthracene	21.73	228	388073	6.86	ng	97
36) 3,3'-Dichlorobenzidine	21.67	252	49074	2.89	ng	# 86
37) Chrysene	21.73	228	389715	10.00	ng	97
38) Bis(2-ethylhexyl)phthalate	21.64	149	649442	4.97	ng	# 98
39) Indeno(1,2,3-cd)pyrene	26.65	276	549804	3.45	ng	100
41) Benzo(b)fluoranthene	23.41	252	141608	4.25	ng	98
42) Benzo(k)fluoranthene	23.46	252	137887	4.03	ng	96
43) Benzo(a)pyrene	24.04	252	130703	4.11	ng	94
44) Dibenzo(a,h)anthracene	26.68	278	112947	4.07	ng	# 93
45) Benzo(g,h,i)perylene	27.43	276	459925	3.97	ng	96

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Response via : Initial Calibration

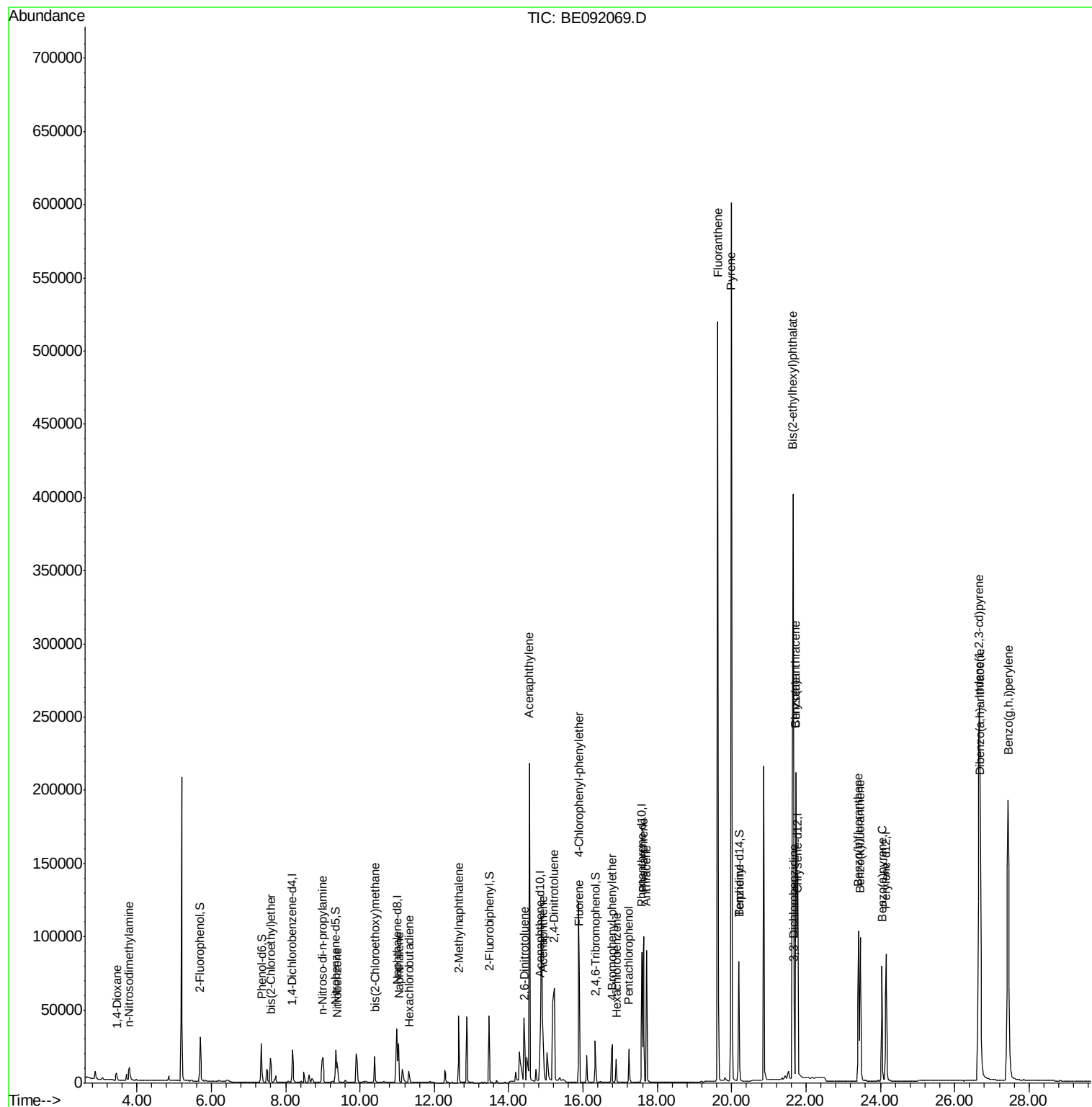
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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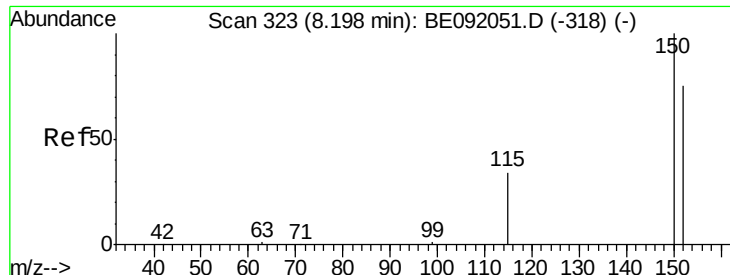
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.18 min Scan# 322

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

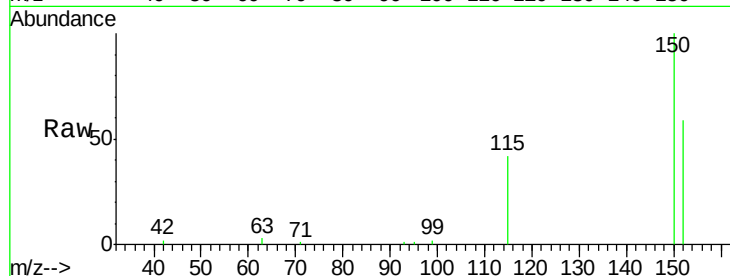
Tgt Ion:152 Resp: 11941

Ion Ratio Lower Upper

152 100

150 168.3 106.0 159.0#

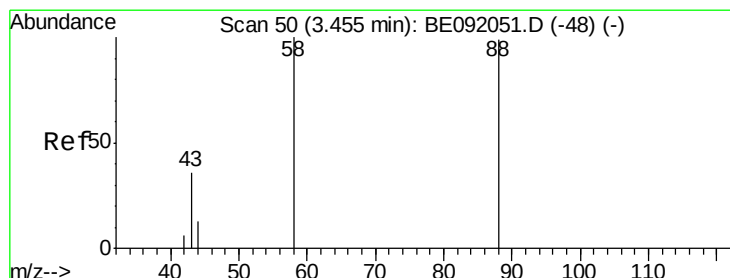
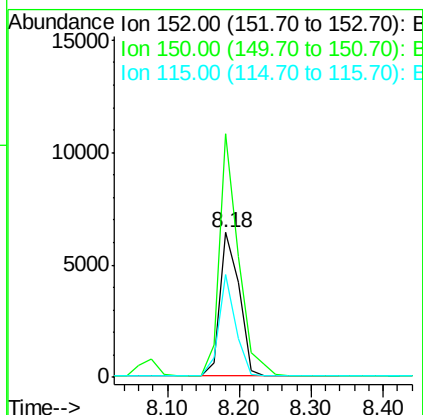
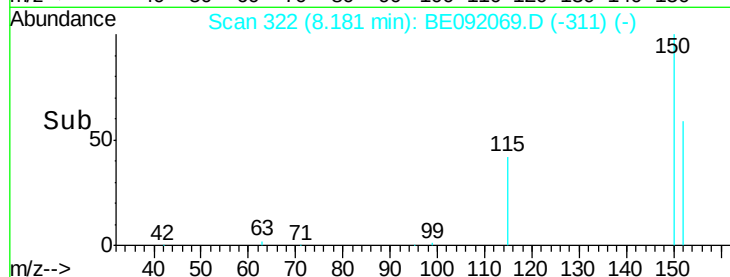
115 71.0 36.9 55.3#



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: 2.44 ng

RT: 3.45 min Scan# 50

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

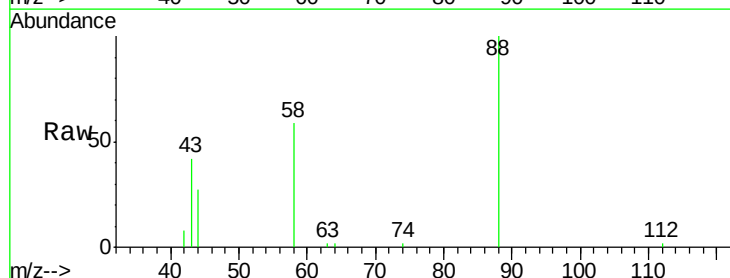
Tgt Ion: 88 Resp: 3997

Ion Ratio Lower Upper

88 100

58 89.0 62.1 93.1

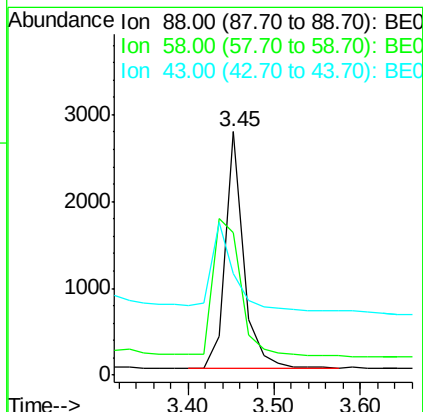
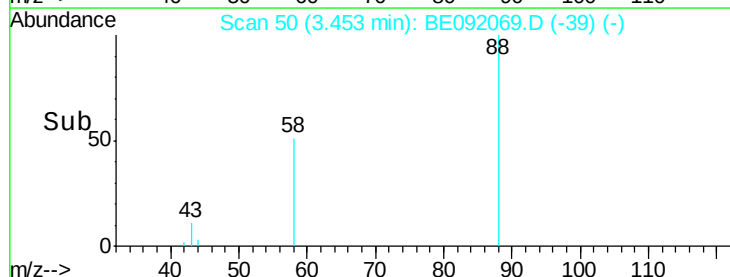
43 45.9 27.2 40.8#

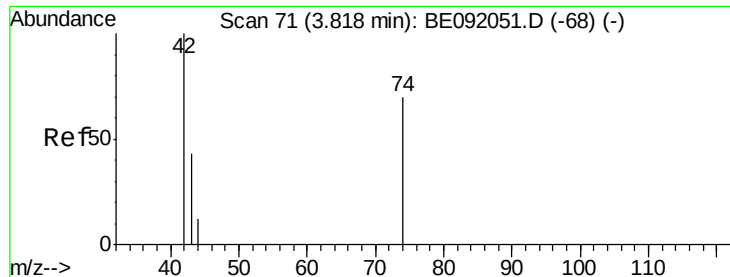


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 4.35 ng

RT: 3.78 min Scan# 69

Delta R.T. -0.04 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

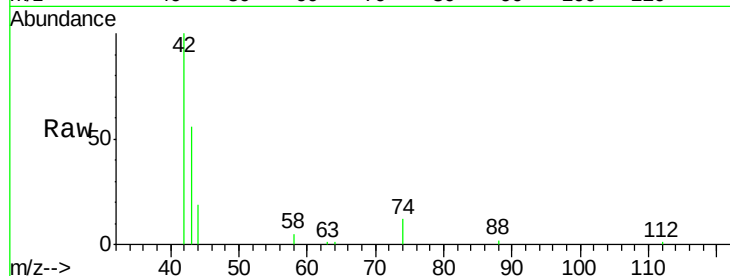
Tgt Ion: 42 Resp: 8516

Ion Ratio Lower Upper

42 100

74 102.1 82.8 124.2

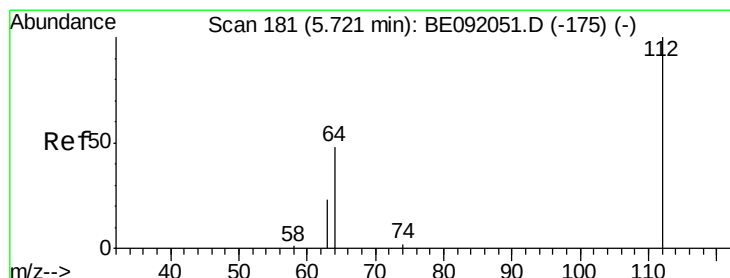
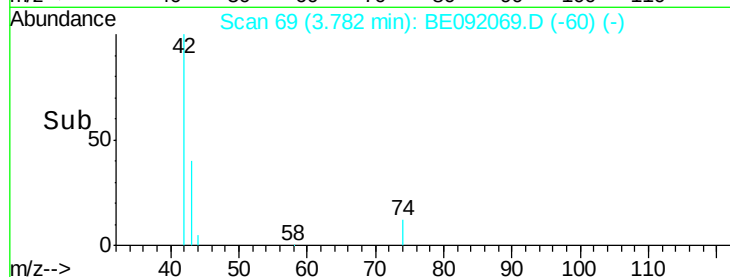
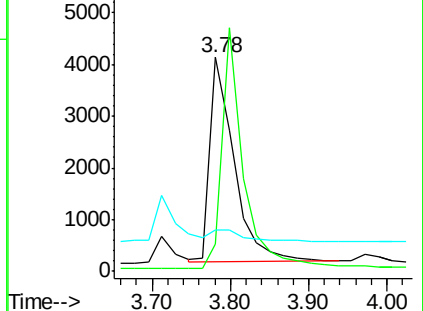
44 7.9 9.0 13.4#



Abundance Ion 42.00 (41.70 to 42.70): BE092051.D (-68) (-)

Ion 74.00 (73.70 to 74.70): BE092051.D (-68) (-)

Ion 44.00 (43.70 to 44.70): BE092051.D (-68) (-)



#4

2-Fluorophenol

Concen: 9.12 ng

RT: 5.70 min Scan# 180

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

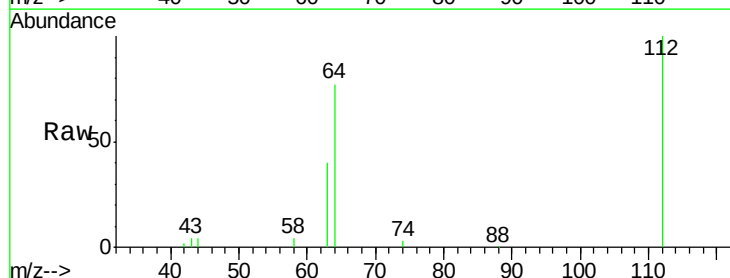
Tgt Ion: 112 Resp: 24263

Ion Ratio Lower Upper

112 100

64 68.0 55.9 83.9

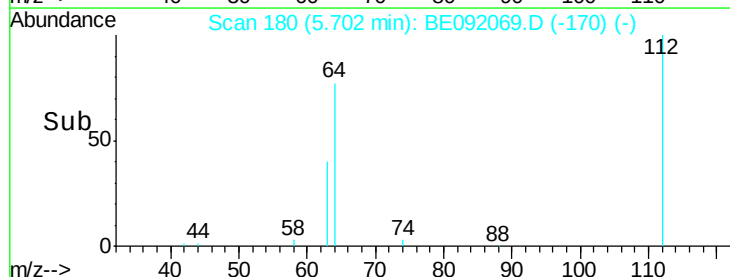
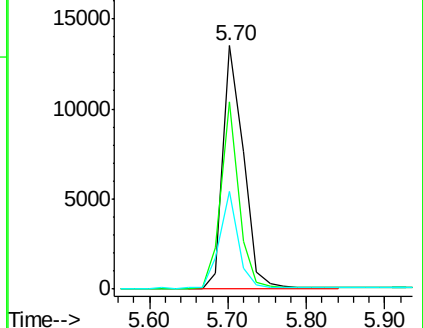
63 36.5 31.1 46.7

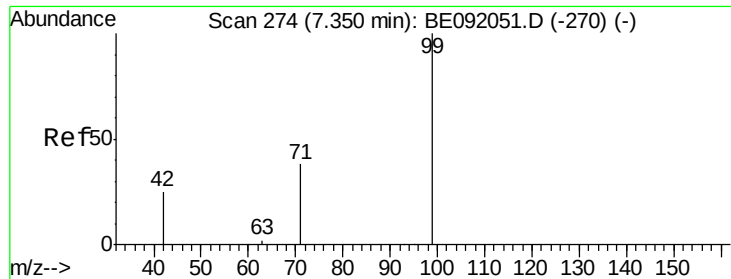


Abundance Ion 112.00 (111.70 to 112.70): BE092051.D (-175) (-)

Ion 64.00 (63.70 to 64.70): BE092051.D (-175) (-)

Ion 63.00 (62.70 to 63.70): BE092051.D (-175) (-)





#5

Phenol-d6

Concen: 10.15 ng

RT: 7.35 min Scan# 274

Delta R.T. 0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

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TILCON-MH-SF-004MSD

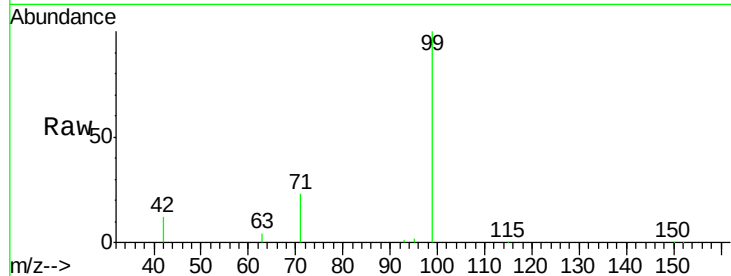
Tgt Ion: 99 Resp: 36048

Ion Ratio Lower Upper

99 100

42 26.5 22.4 33.6

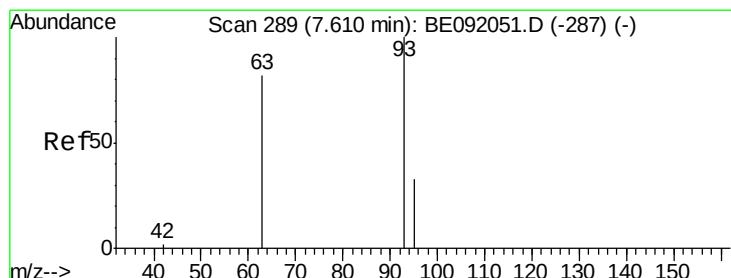
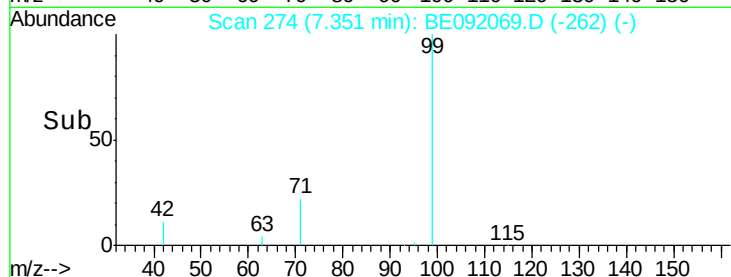
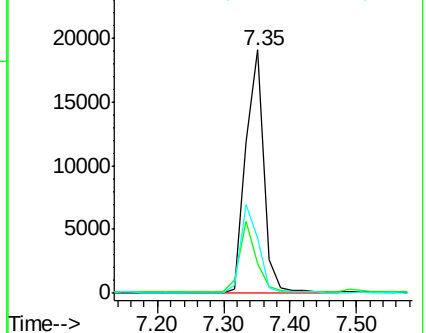
71 36.1 28.9 43.3



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: 4.13 ng

RT: 7.59 min Scan# 288

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

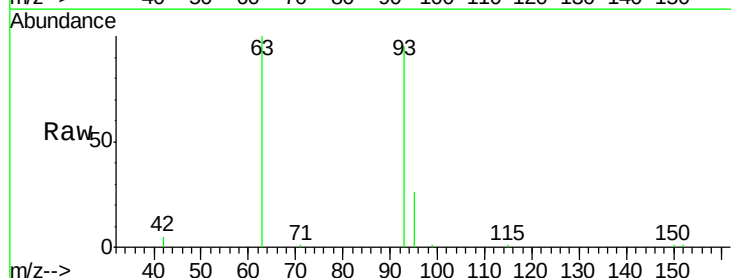
Tgt Ion: 93 Resp: 14183

Ion Ratio Lower Upper

93 100

63 84.7 64.4 96.6

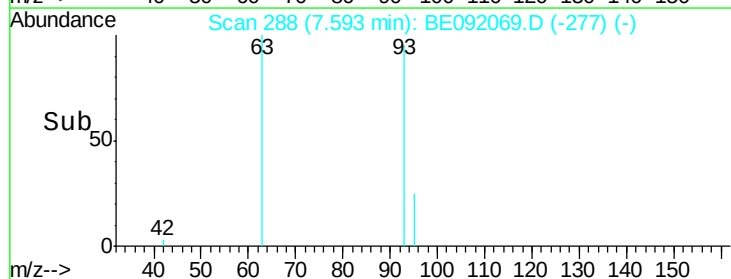
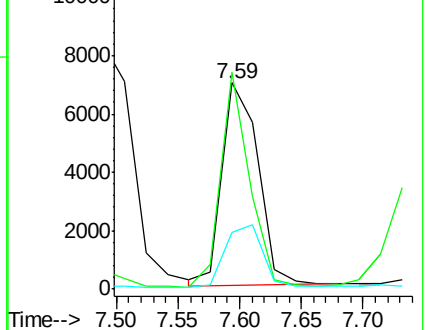
95 31.9 25.8 38.8

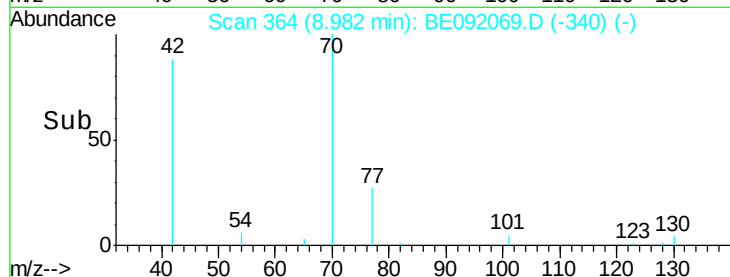
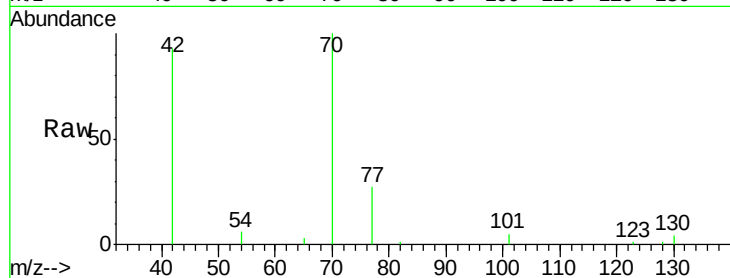
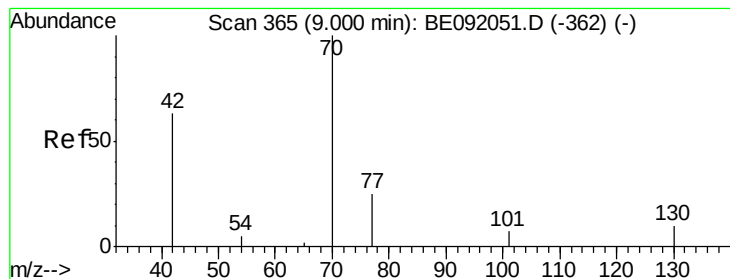


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 4.65 ng

RT: 8.98 min Scan# 364

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

Tgt Ion: 70 Resp: 13194

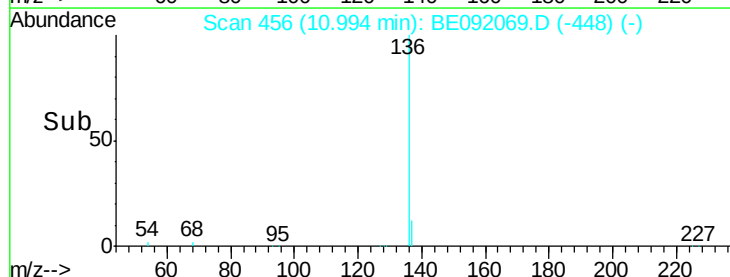
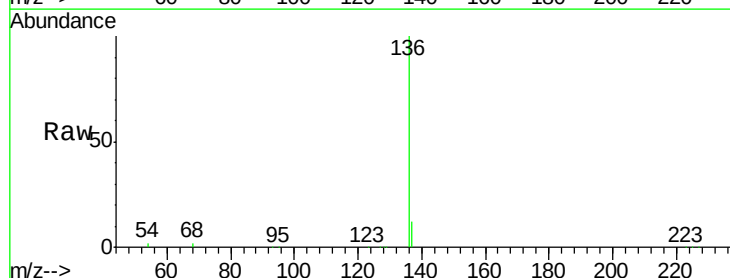
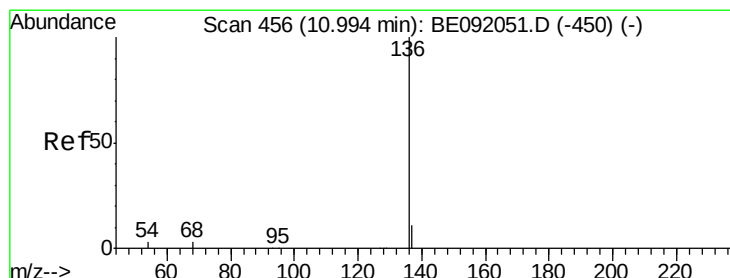
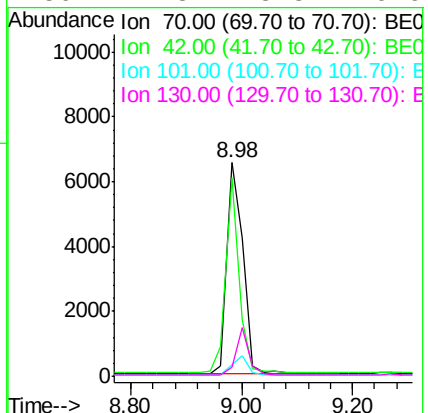
Ion Ratio Lower Upper

70 100

42 77.2 60.2 90.4

101 8.5 6.8 10.2

130 17.3 13.3 19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Tgt Ion: 136 Resp: 60901

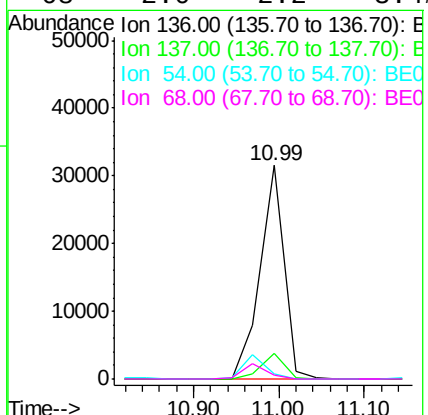
Ion Ratio Lower Upper

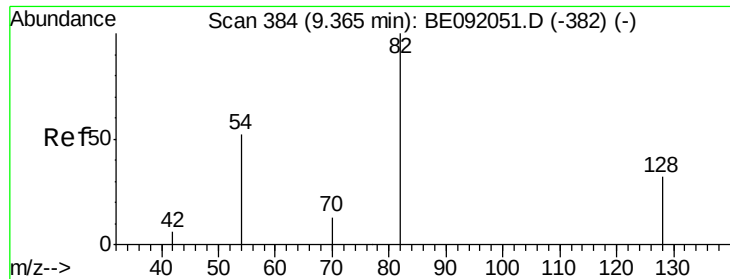
136 100

137 11.7 9.1 13.7

54 2.3 2.7 4.1#

68 2.0 2.2 3.4#





#9

Nitrobenzene-d5

Concen: 4.23 ng

RT: 9.35 min Scan# 383

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

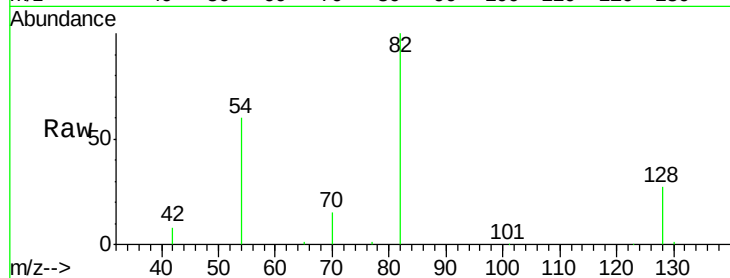
Tgt Ion: 82 Resp: 19183

Ion Ratio Lower Upper

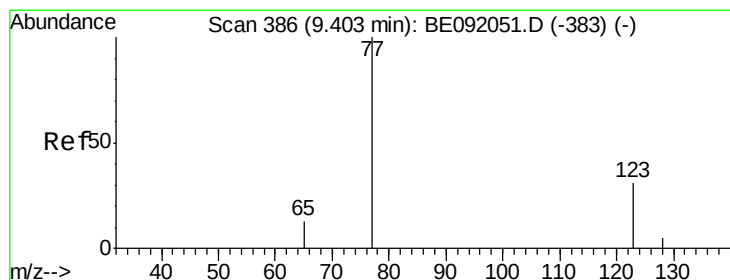
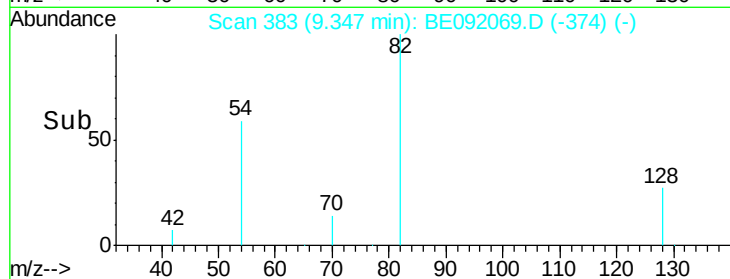
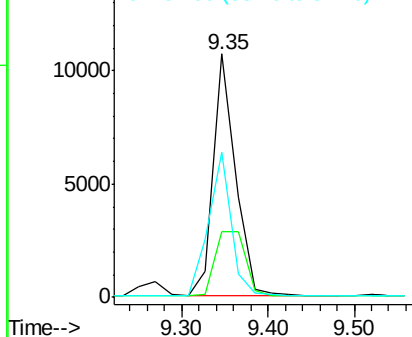
82 100

128 26.9 33.0 49.4#

54 59.5 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: 4.25 ng

RT: 9.39 min Scan# 385

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

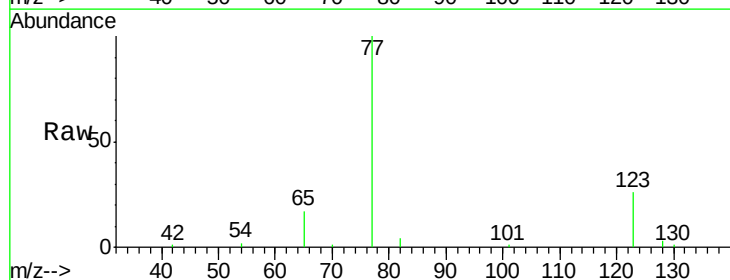
Tgt Ion: 77 Resp: 18726

Ion Ratio Lower Upper

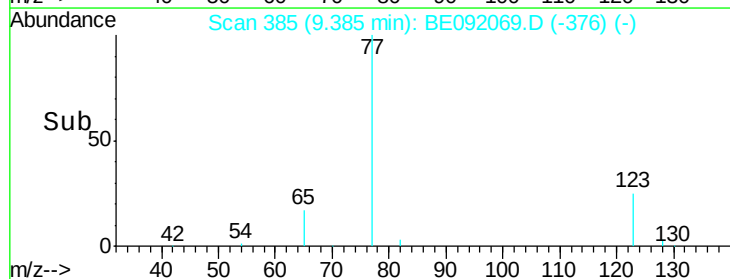
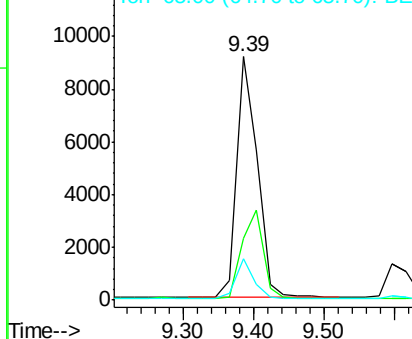
77 100

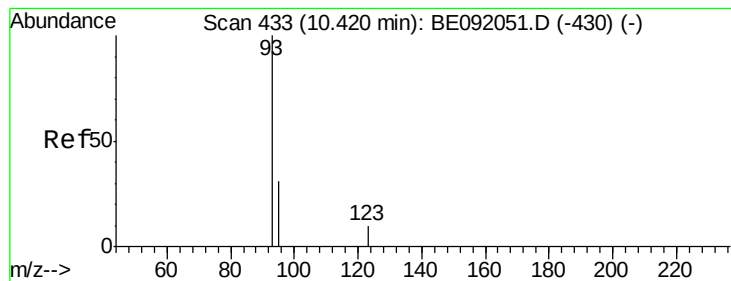
123 38.8 29.9 44.9

65 14.5 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

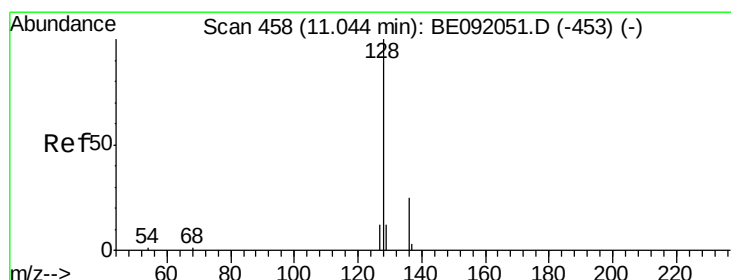
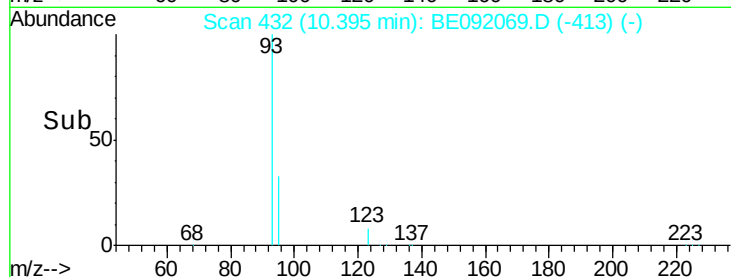
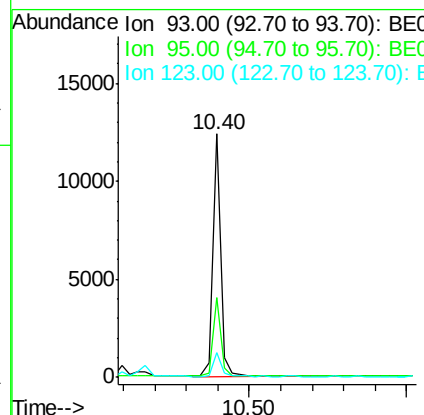
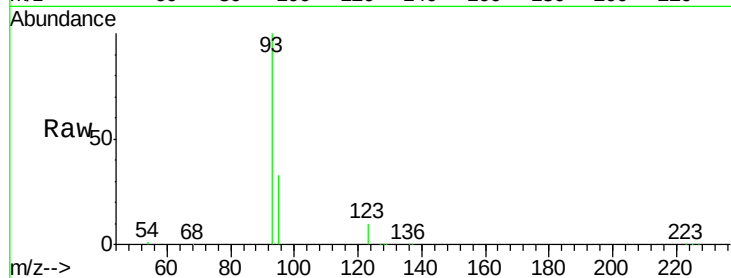




#11
bis(2-Chloroethoxy)methane
Concen: 4.37 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.02 min
Lab File: BE092069.D
Acq: 28 Jul 2016 6:21

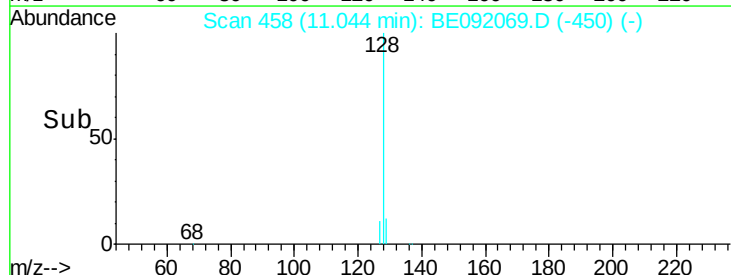
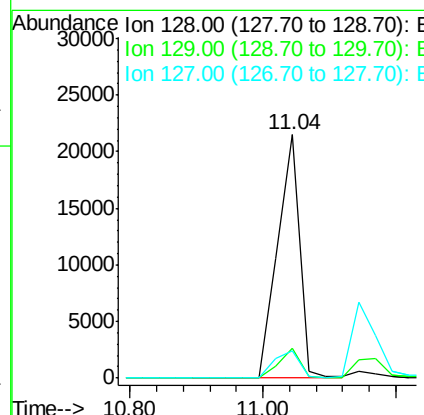
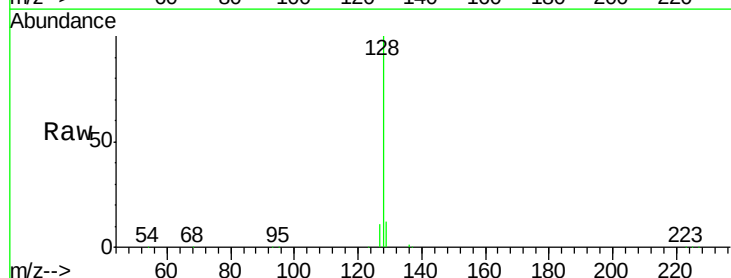
Instrument :
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TILCON-MH-SF-004MSD

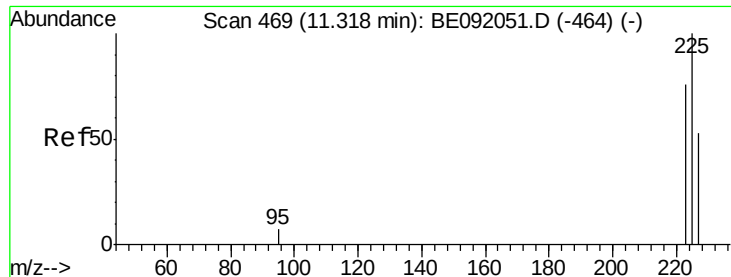
Tgt Ion: 93 Resp: 22215
Ion Ratio Lower Upper
93 100
95 32.0 25.0 37.6
123 9.9 7.8 11.8



#12
Naphthalene
Concen: 3.67 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE092069.D
Acq: 28 Jul 2016 6:21

Tgt Ion: 128 Resp: 48913
Ion Ratio Lower Upper
128 100
129 12.3 11.1 16.7
127 11.2 11.3 16.9#

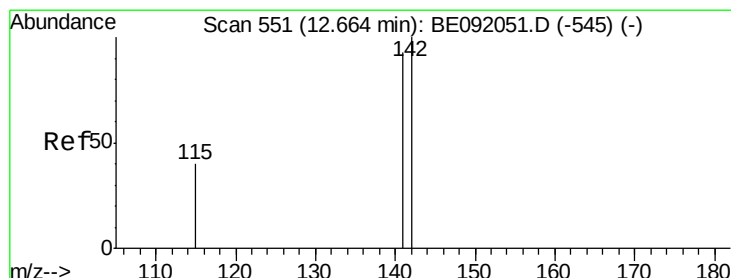
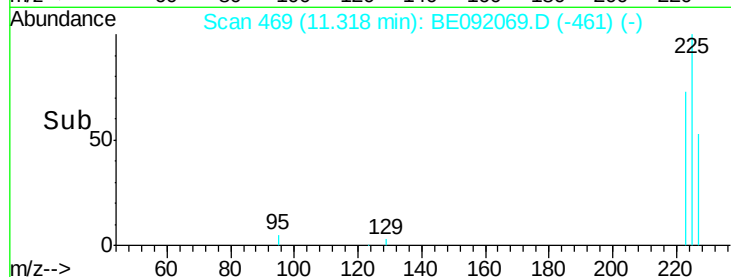
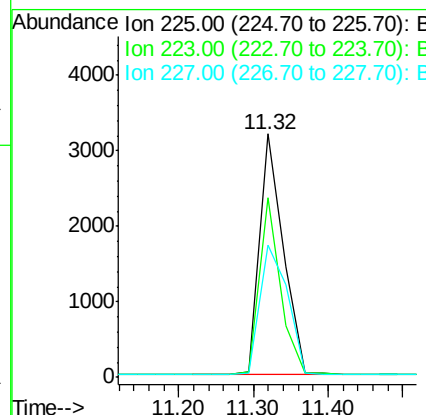
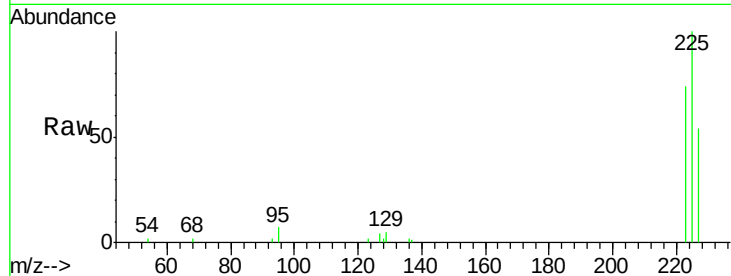




#13
Hexachlorobutadiene
Concen: 3.48 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092069.D
Acq: 28 Jul 2016 6:21

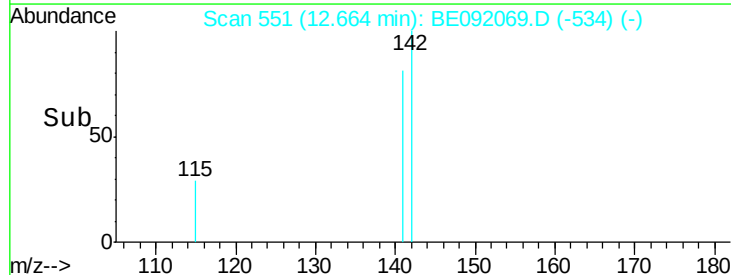
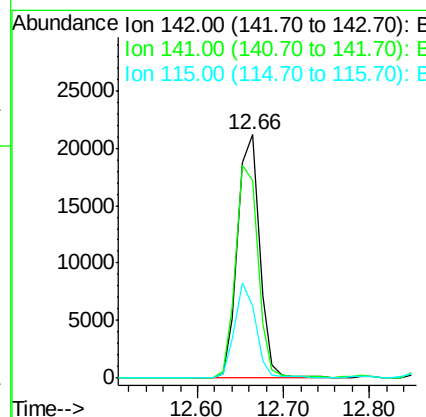
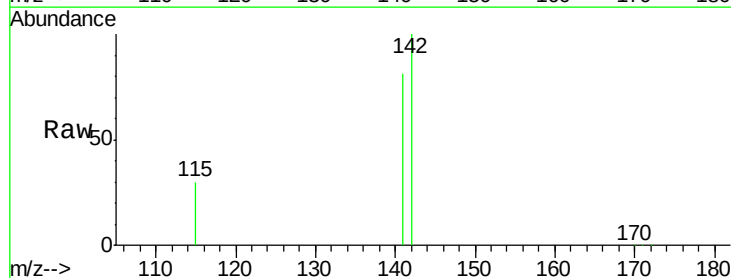
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MSD

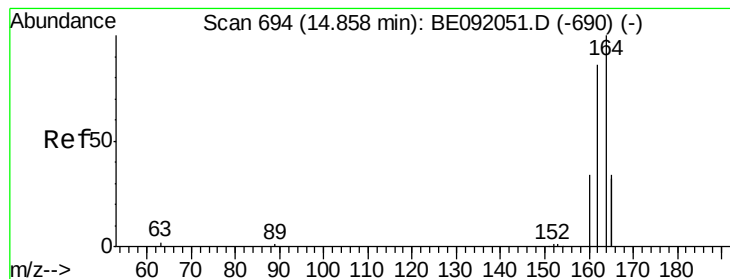
Tgt Ion: 225 Resp: 6955
Ion Ratio Lower Upper
225 100
223 64.8 51.9 77.9
227 62.6 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 4.35 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.00 min
Lab File: BE092069.D
Acq: 28 Jul 2016 6:21

Tgt Ion: 142 Resp: 37485
Ion Ratio Lower Upper
142 100
141 81.3 65.1 97.7
115 29.7 27.0 40.4





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

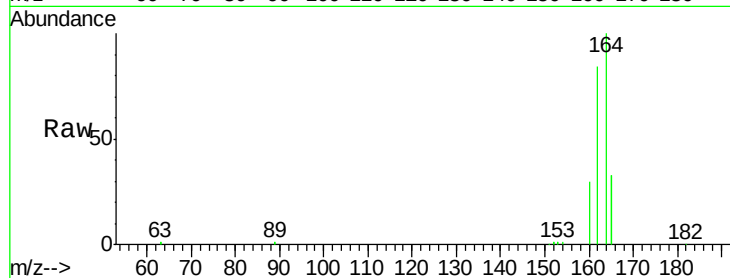
Tgt Ion:164 Resp: 34186

Ion Ratio Lower Upper

164 100

162 83.5 69.5 104.3

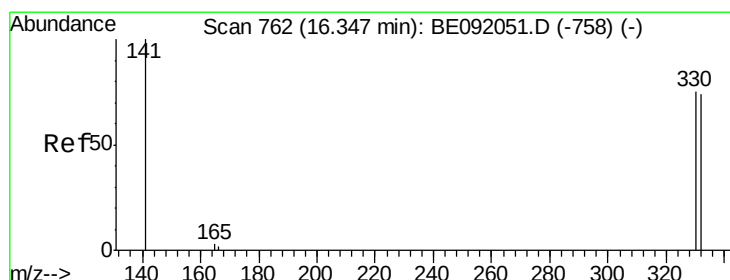
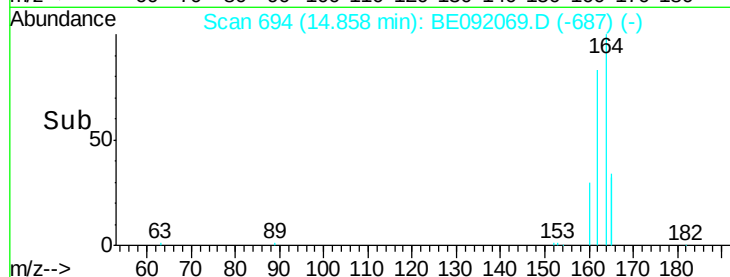
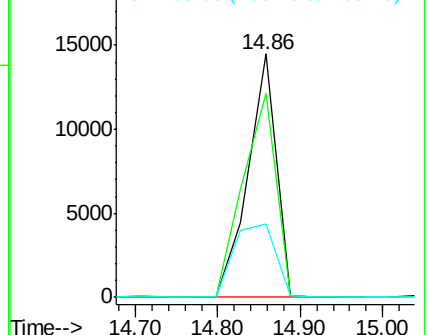
160 30.3 27.6 41.4



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: 8.68 ng

RT: 16.33 min Scan# 761

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

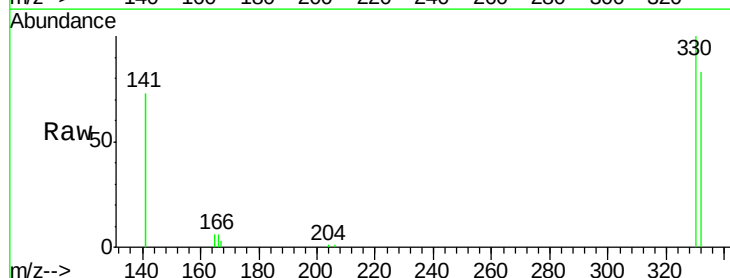
Tgt Ion:330 Resp: 13851

Ion Ratio Lower Upper

330 100

332 95.9 74.2 111.4

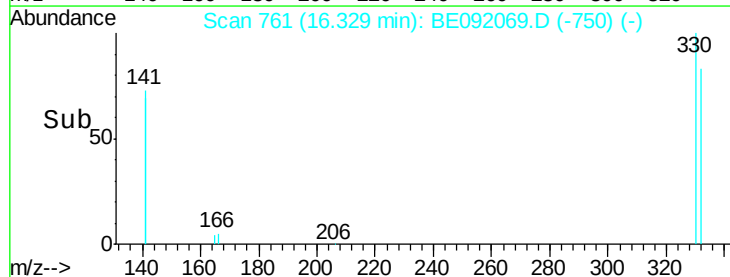
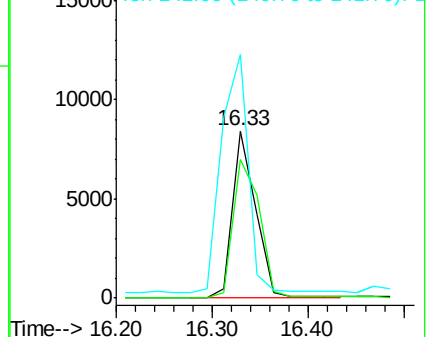
141 167.2 139.8 209.8

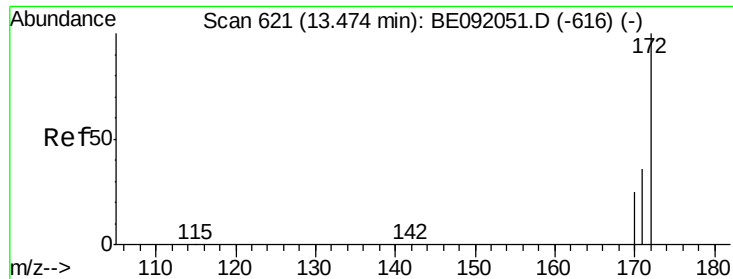


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

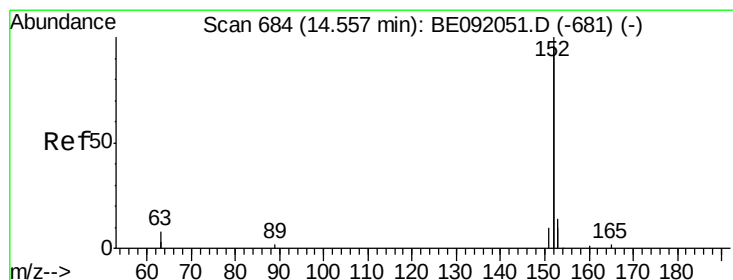
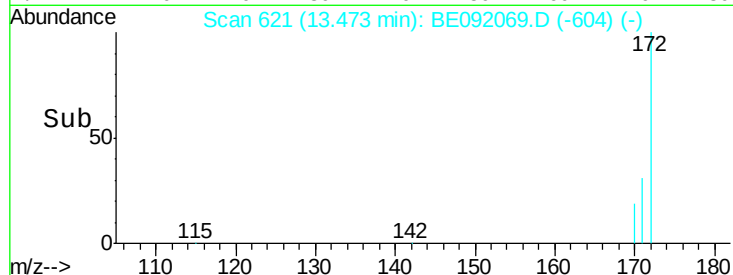
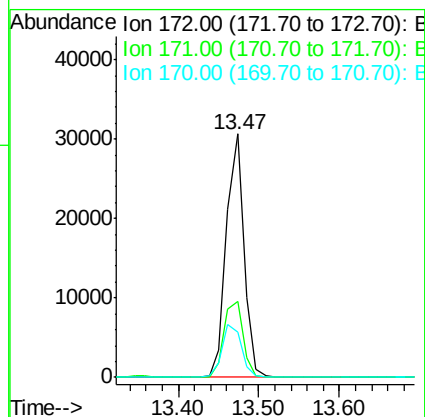
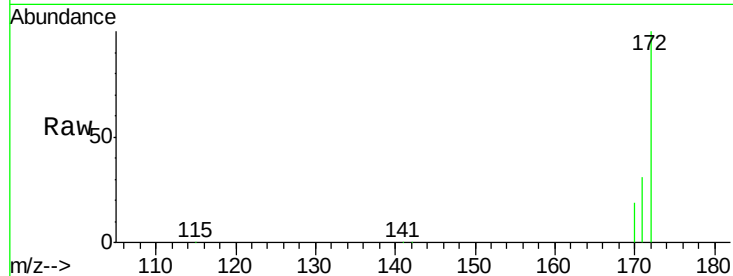




#17
 2-Fluorobiphenyl
 Concen: 3.38 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BE092069.D
 Acq: 28 Jul 2016 6:21

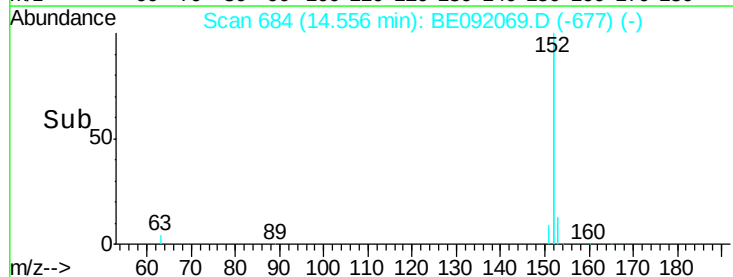
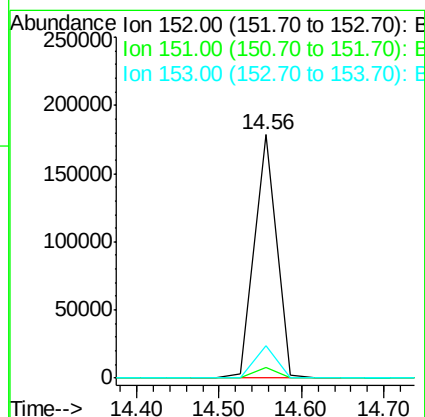
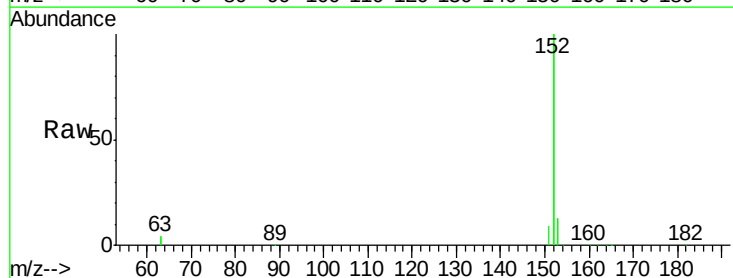
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

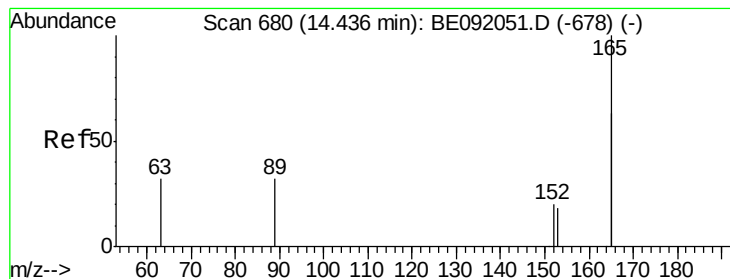
Tgt Ion:172 Resp: 46230
 Ion Ratio Lower Upper
 172 100
 171 31.2 30.3 45.5
 170 18.8 21.6 32.4#



#18
 Acenaphthylene
 Concen: 3.75 ng
 RT: 14.56 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BE092069.D
 Acq: 28 Jul 2016 6:21

Tgt Ion:152 Resp: 332322
 Ion Ratio Lower Upper
 152 100
 151 4.6 4.0 6.0
 153 13.2 9.6 14.4





#19

2,6-Dinitrotoluene

Concen: 4.14 ng

RT: 14.44 min Scan# 680

Delta R.T. 0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

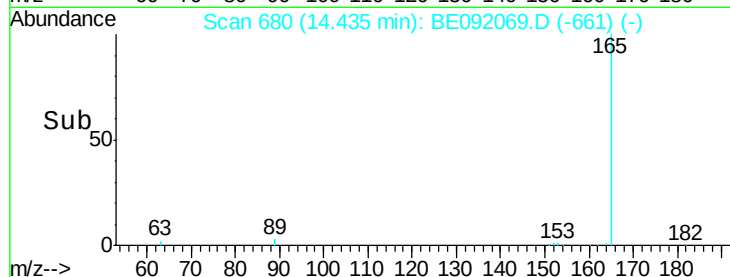
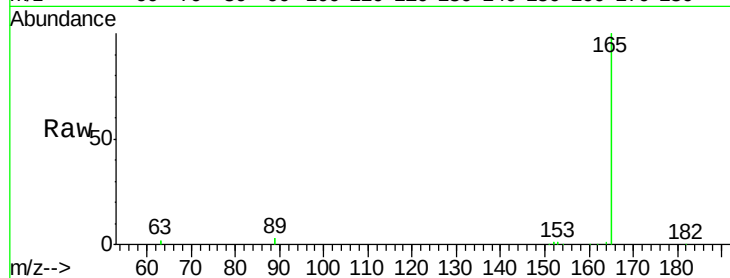
Tgt Ion:165 Resp: 46501

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

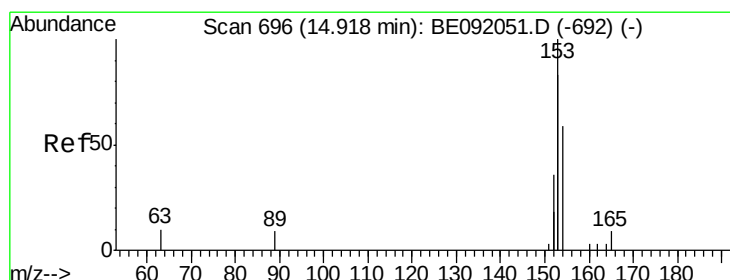
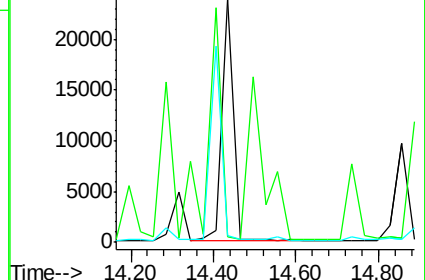
89 0.0 0.0 0.0



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: 3.35 ng

RT: 14.92 min Scan# 696

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

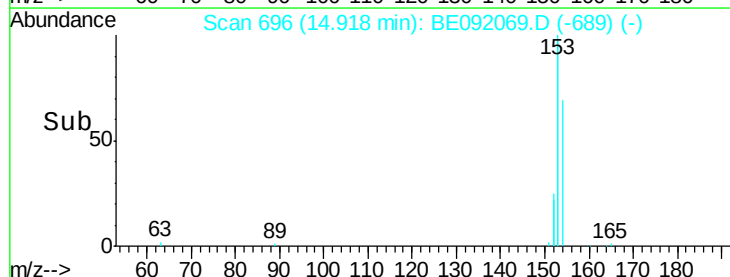
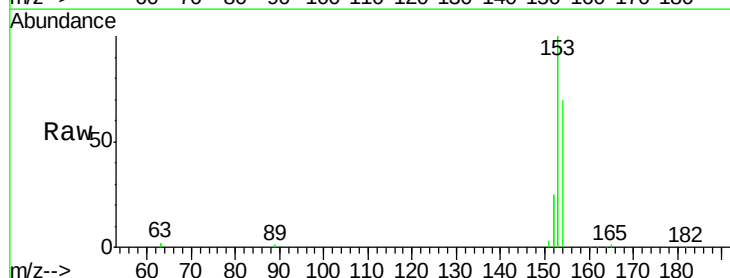
Tgt Ion:154 Resp: 31309

Ion Ratio Lower Upper

154 100

153 0.0 345.1 517.7#

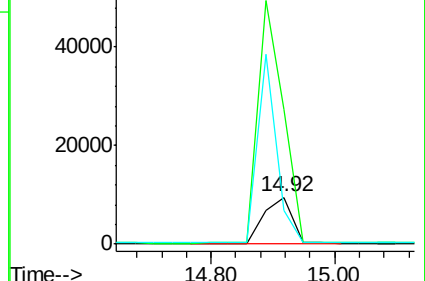
152 0.0 0.0 0.0

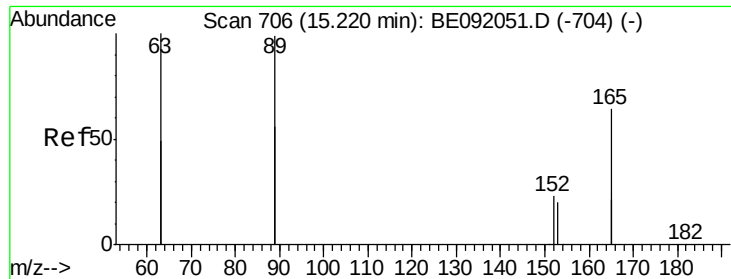


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

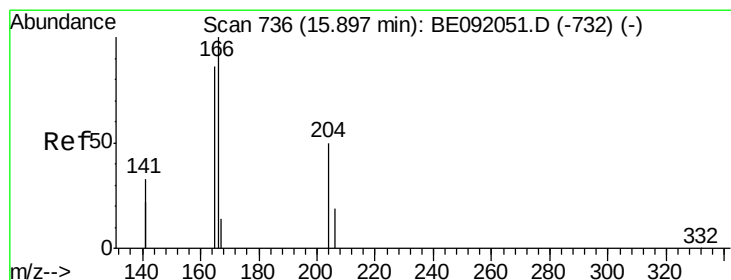
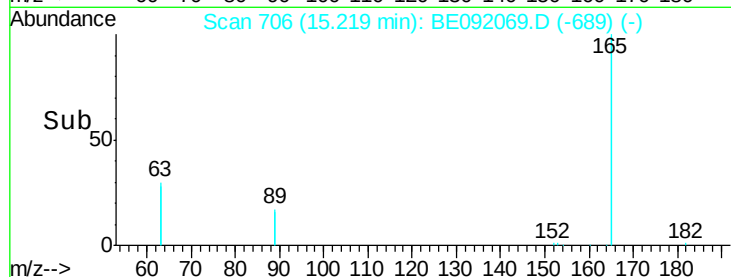
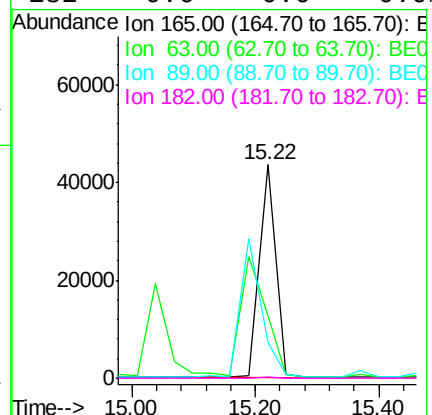
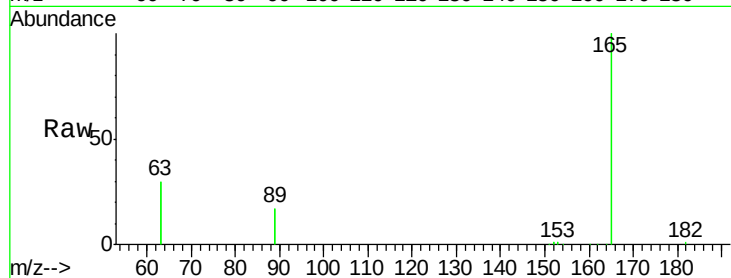




#21
2,4-Dinitrotoluene
Concen: 4.43 ng
RT: 15.22 min Scan# 706
Delta R.T. 0.00 min
Lab File: BE092069.D
Acq: 28 Jul 2016 6:21

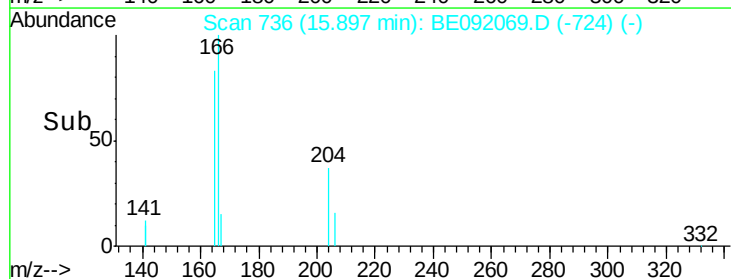
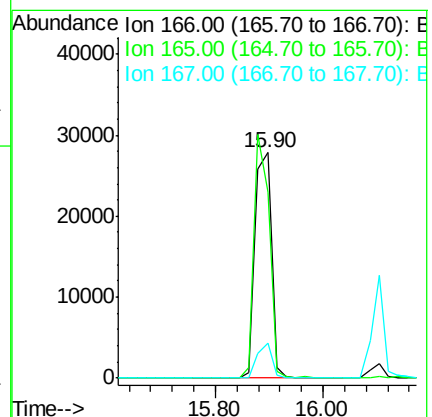
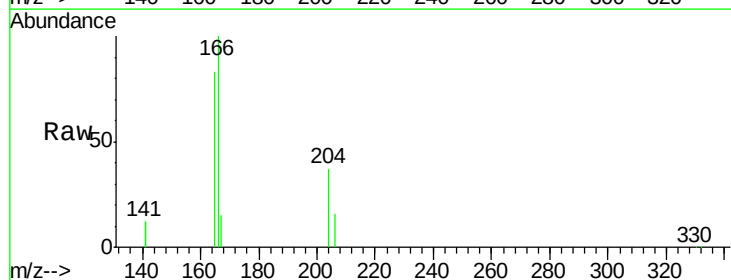
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MSD

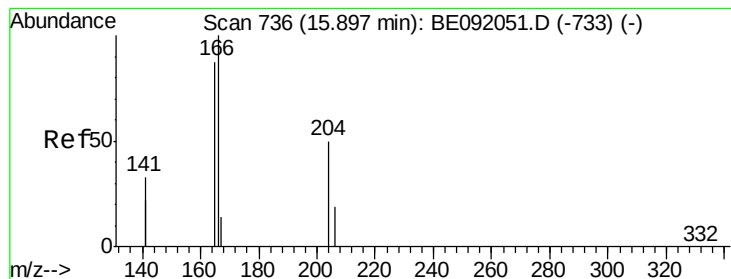
Tgt Ion:165 Resp: 82002
Ion Ratio Lower Upper
165 100
63 0.0 324.0 486.0#
89 0.0 308.4 462.6#
182 0.6 0.0 0.0#



#22
Fluorene
Concen: 3.95 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092069.D
Acq: 28 Jul 2016 6:21

Tgt Ion:166 Resp: 57894
Ion Ratio Lower Upper
166 100
165 99.2 78.6 118.0
167 13.6 11.1 16.7





#23

4-Chlorophenyl-phenylether

Concen: 3.54 ng

RT: 15.88 min Scan# 735

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

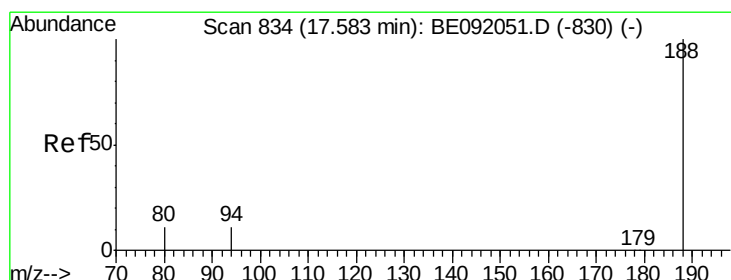
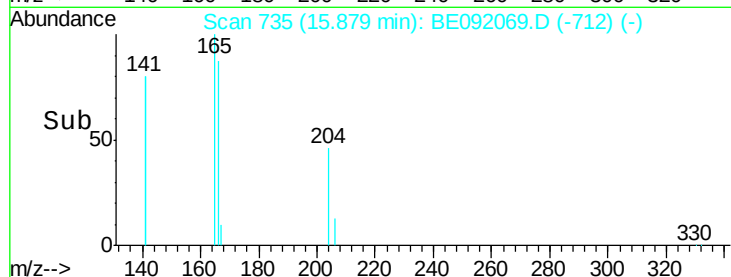
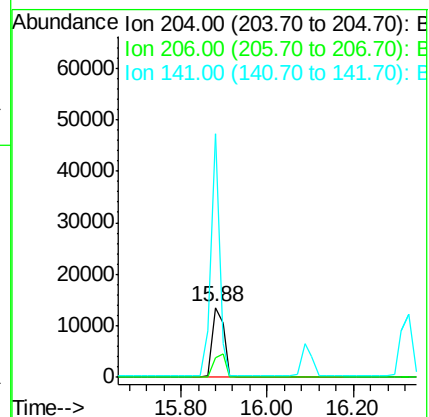
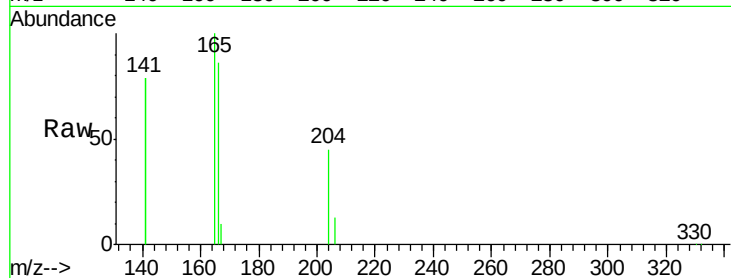
Tgt Ion: 204 Resp: 25547

Ion Ratio Lower Upper

204 100

206 34.1 27.0 40.4

141 253.9 198.5 297.7



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.58 min Scan# 834

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

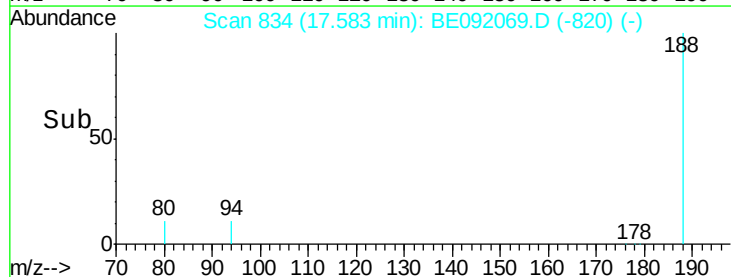
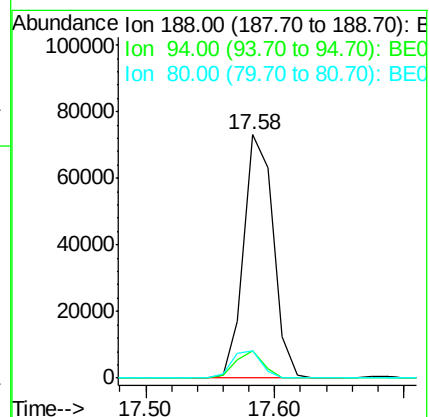
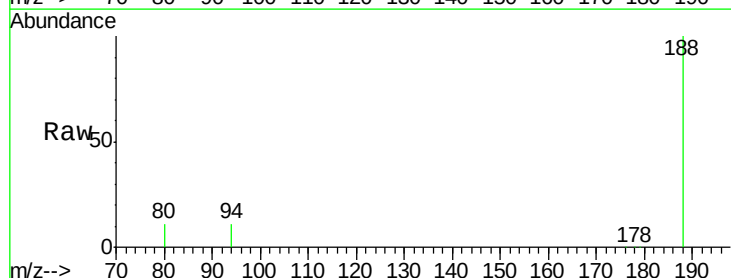
Tgt Ion: 188 Resp: 116268

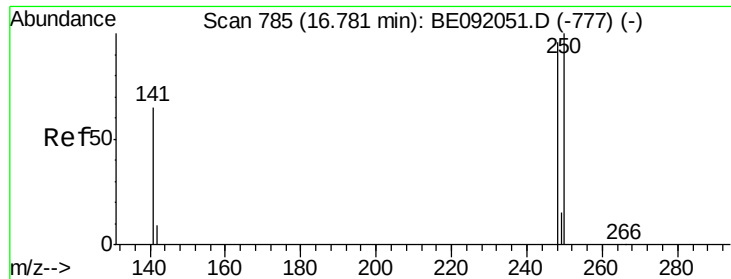
Ion Ratio Lower Upper

188 100

94 11.0 3.9 5.9#

80 11.2 3.4 5.0#

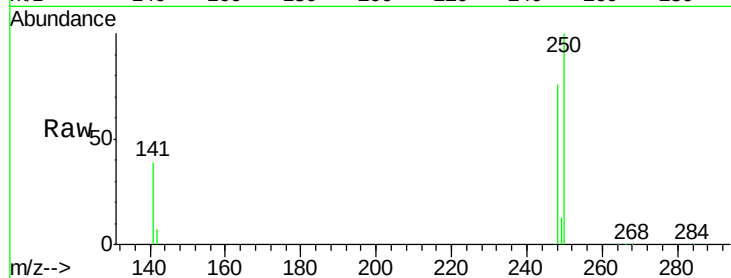




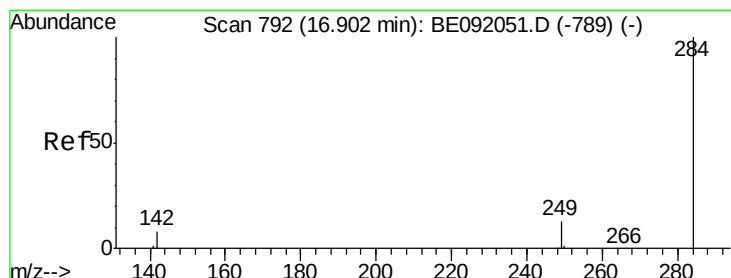
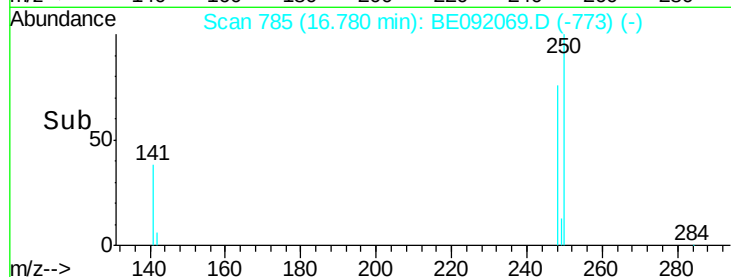
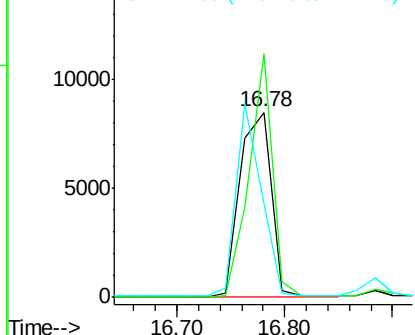
#25
4-Bromophenyl-phenylether
Concen: 3.52 ng
RT: 16.78 min Scan# 785
Delta R.T. -0.00 min
Lab File: BE092069.D
Acq: 28 Jul 2016 6:21

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

Tgt Ion:248 Resp: 16815
Ion Ratio Lower Upper
248 100
250 98.5 79.6 119.4
141 83.8 68.7 103.1

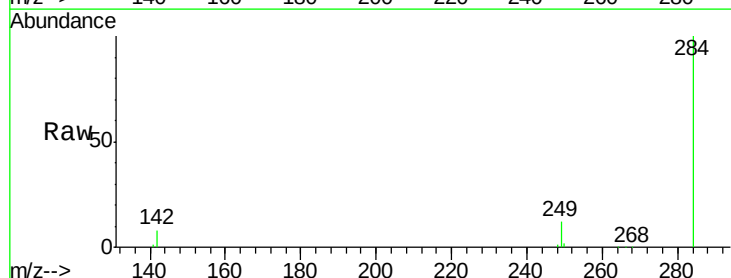


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

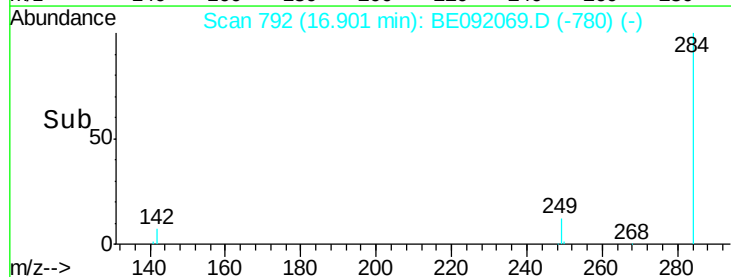
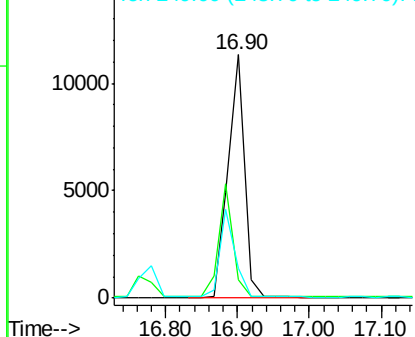


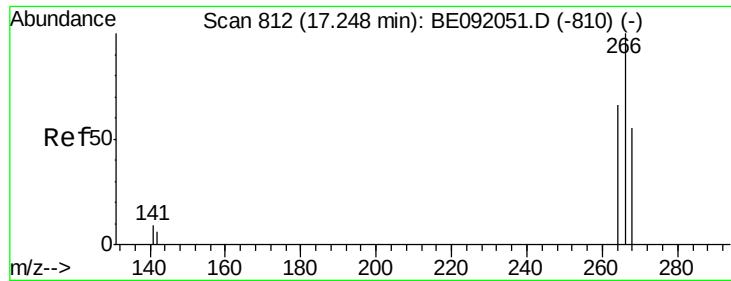
#26
Hexachlorobenzene
Concen: 3.57 ng
RT: 16.90 min Scan# 792
Delta R.T. -0.00 min
Lab File: BE092069.D
Acq: 28 Jul 2016 6:21

Tgt Ion:284 Resp: 17727
Ion Ratio Lower Upper
284 100
142 41.4 33.3 49.9
249 33.9 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: 8.37 ng

RT: 17.23 min Scan# 811

Delta R.T. -0.02 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

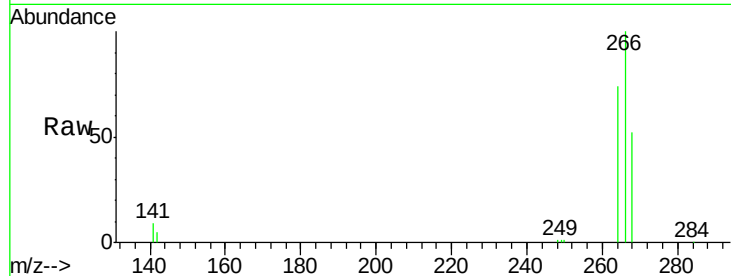
Tgt Ion:266 Resp: 19571

Ion Ratio Lower Upper

266 100

268 51.8 62.7 94.1#

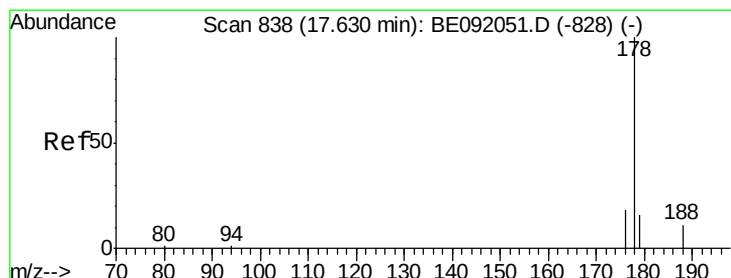
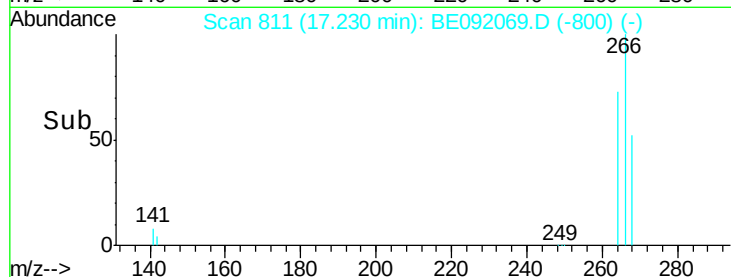
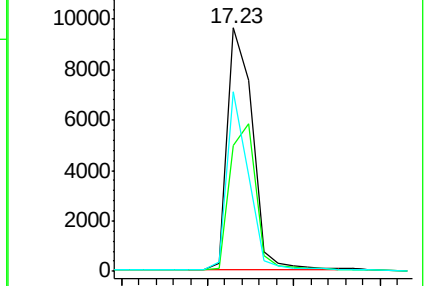
264 73.6 63.5 95.3



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: 3.85 ng

RT: 17.63 min Scan# 838

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

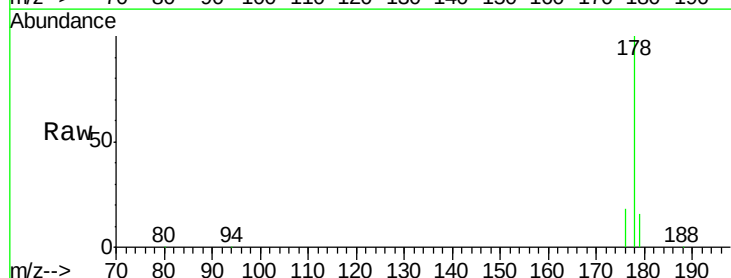
Tgt Ion:178 Resp: 113832

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

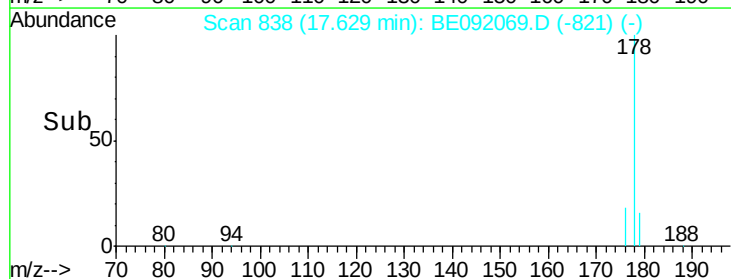
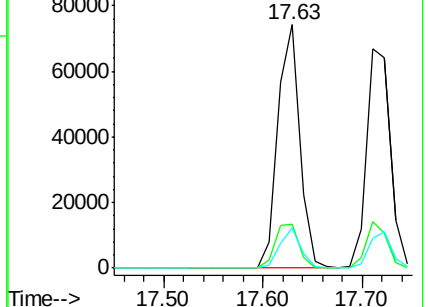
179 15.5 12.7 19.1

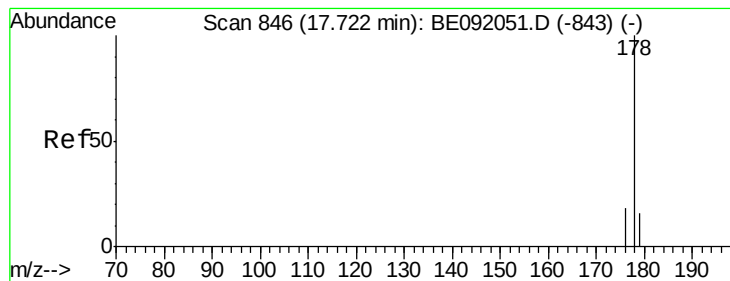


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 4.14 ng

RT: 17.71 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

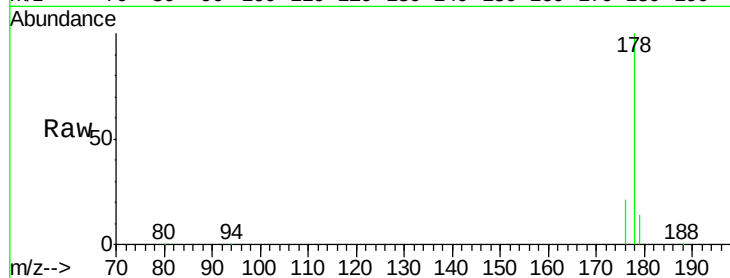
Tgt Ion:178 Resp: 111363

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

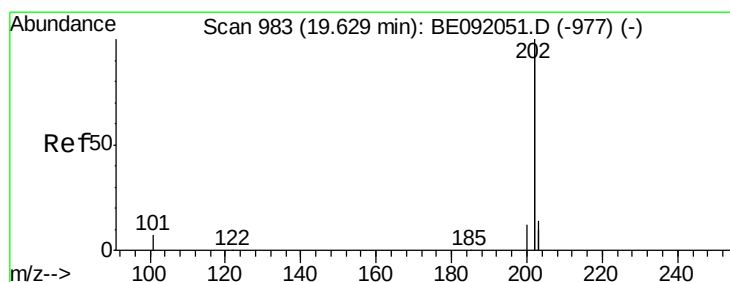
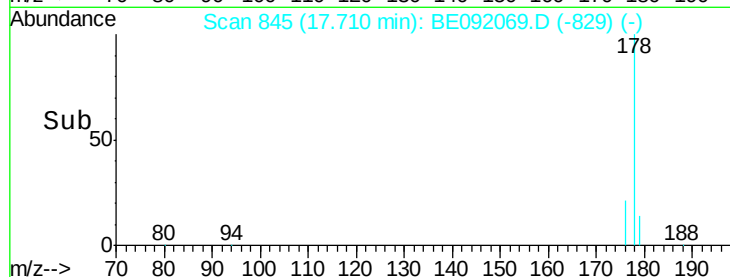
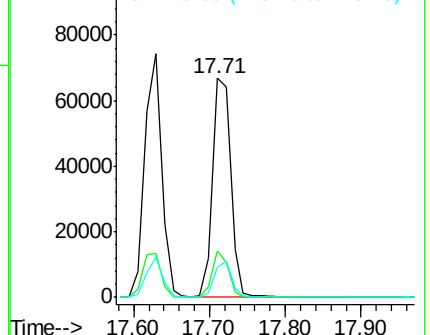
179 15.3 12.2 18.4



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: 4.93 ng

RT: 19.63 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

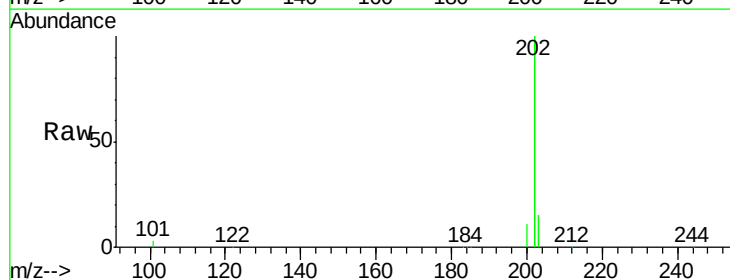
Tgt Ion:202 Resp: 648551

Ion Ratio Lower Upper

202 100

101 2.5 2.2 3.2

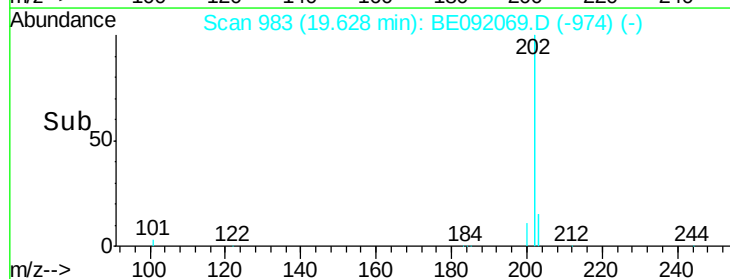
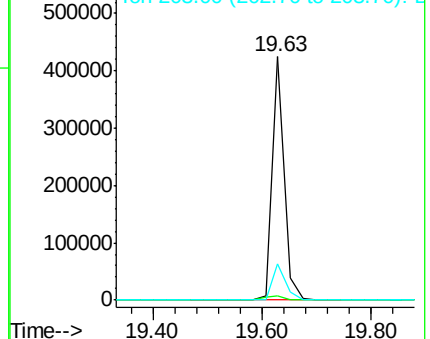
203 16.7 13.0 19.4

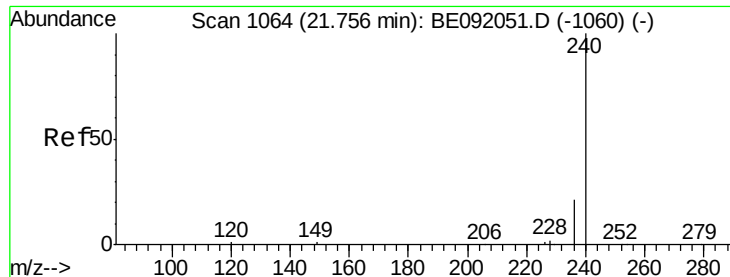


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

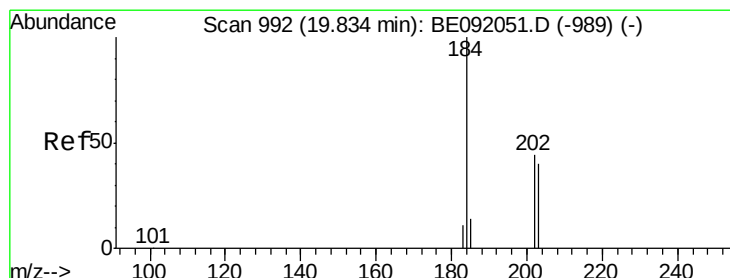
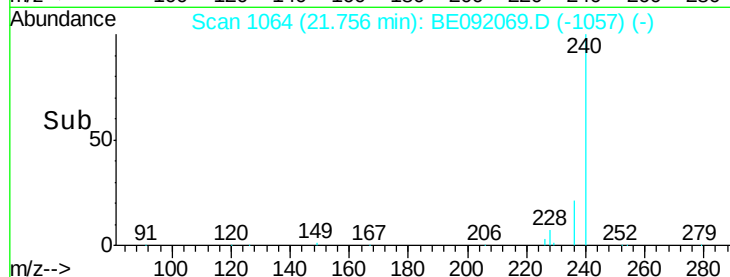
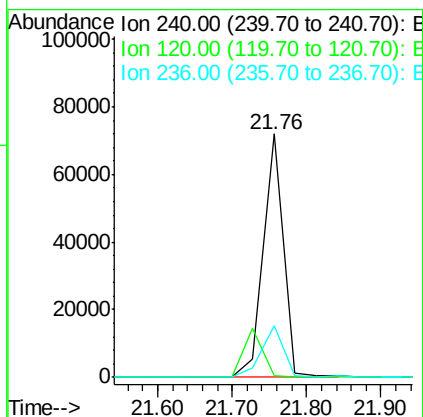
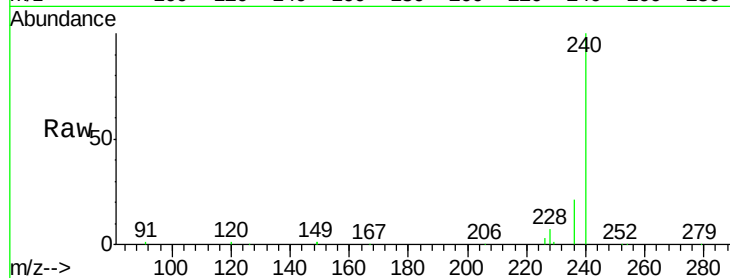




#31
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.76 min Scan# 1064
 Delta R.T. -0.00 min
 Lab File: BE092069.D
 Acq: 28 Jul 2016 6:21

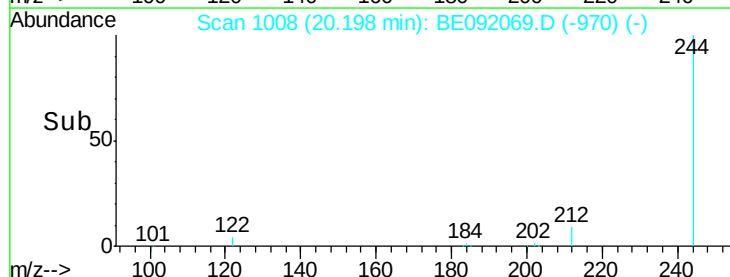
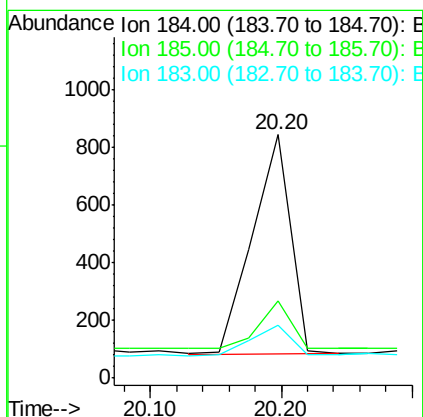
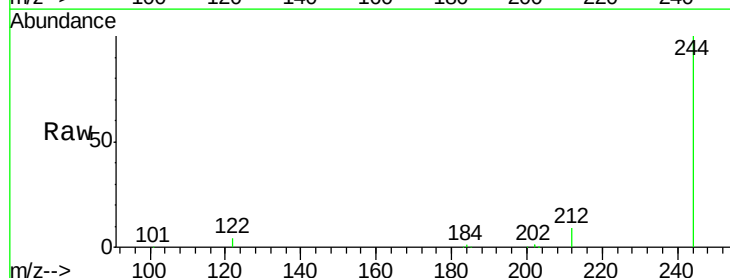
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

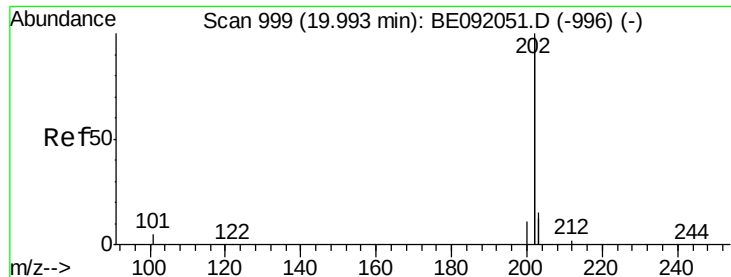
Tgt Ion:240 Resp: 136060
 Ion Ratio Lower Upper
 240 100
 120 0.6 0.6 1.0#
 236 21.4 18.2 27.4



#32
 Benzidine
 Concen: 0.30 ng
 RT: 20.20 min Scan# 1008
 Delta R.T. 0.36 min
 Lab File: BE092069.D
 Acq: 28 Jul 2016 6:21

Tgt Ion:184 Resp: 1560
 Ion Ratio Lower Upper
 184 100
 185 31.6 23.8 35.6
 183 21.9 20.7 31.1

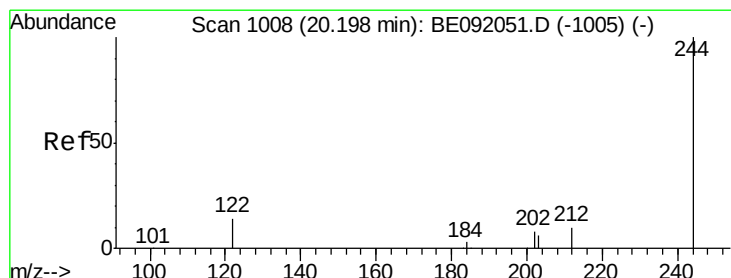
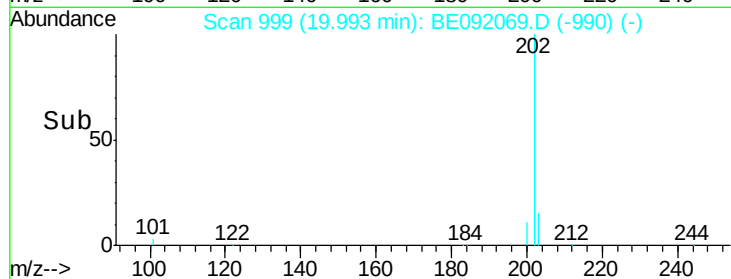
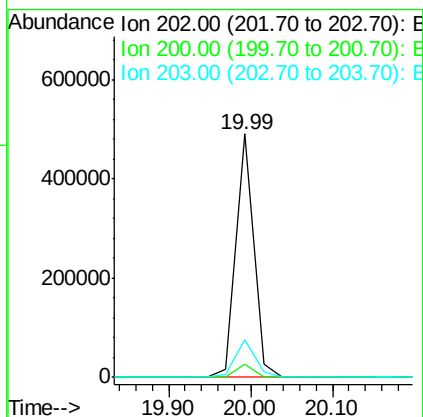
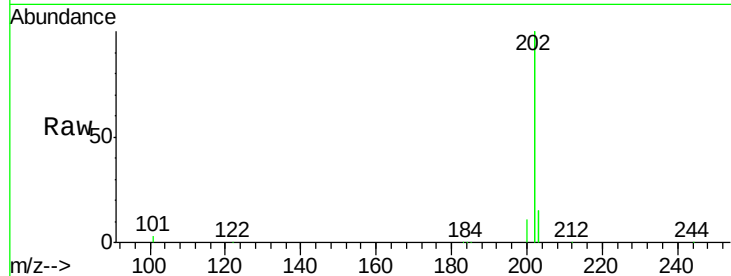




#33
 Pyrene
 Concen: 4.17 ng
 RT: 19.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: BE092069.D
 Acq: 28 Jul 2016 6:21

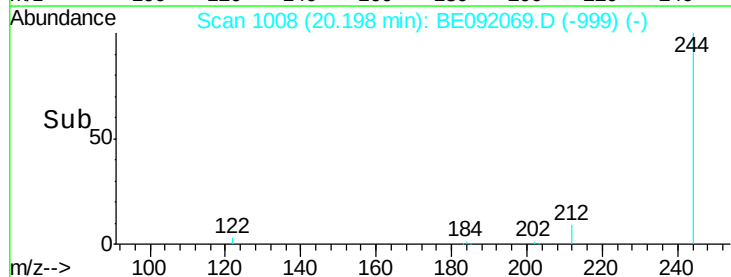
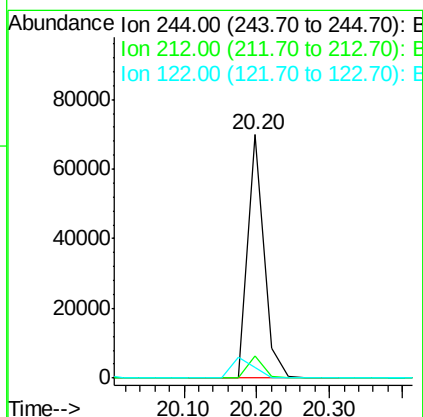
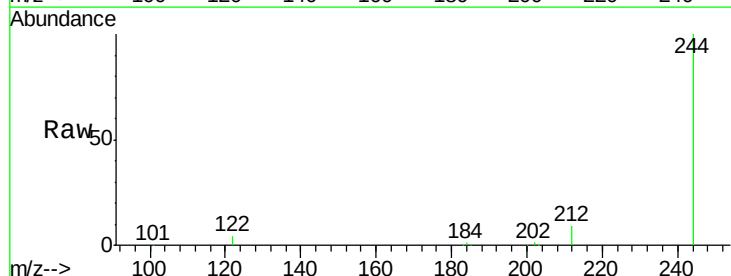
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

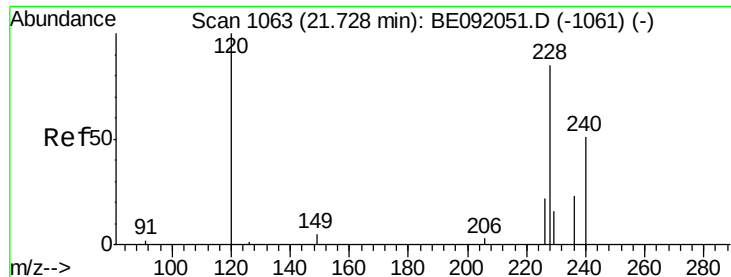
Tgt Ion: 202 Resp: 731255
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.4 6.6
 203 17.0 13.4 20.0



#34
 Terphenyl-d14
 Concen: 4.27 ng
 RT: 20.20 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BE092069.D
 Acq: 28 Jul 2016 6:21

Tgt Ion: 244 Resp: 108167
 Ion Ratio Lower Upper
 244 100
 212 9.2 9.1 13.7
 122 4.1 11.0 16.4#





#35

Benzo(a)anthracene

Concen: 6.86 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

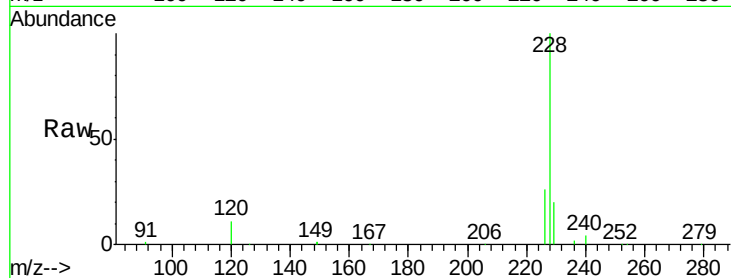
Tgt Ion:228 Resp: 388073

Ion Ratio Lower Upper

228 100

226 26.0 22.1 33.1

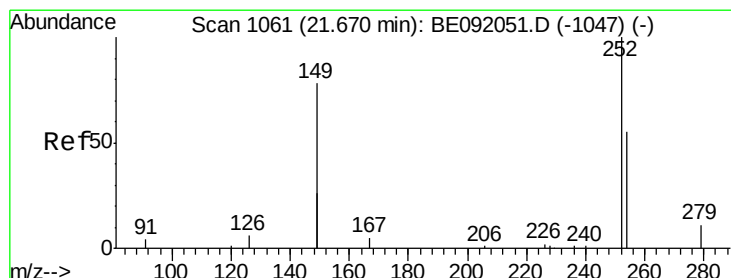
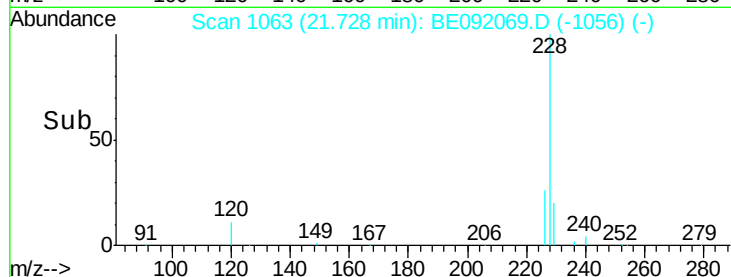
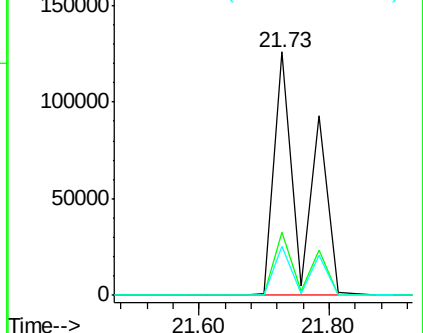
229 20.3 15.1 22.7



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



#36

3,3'-Dichlorobenzidine

Concen: 2.89 ng

RT: 21.67 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

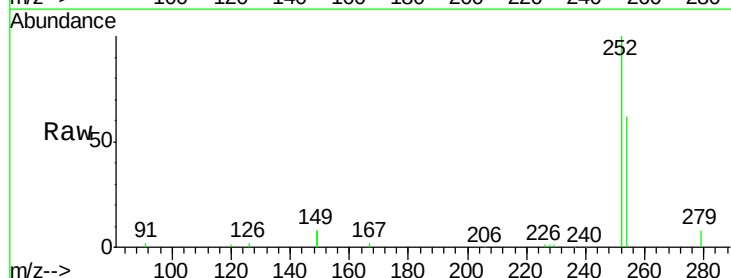
Tgt Ion:252 Resp: 49074

Ion Ratio Lower Upper

252 100

254 62.4 44.2 66.2

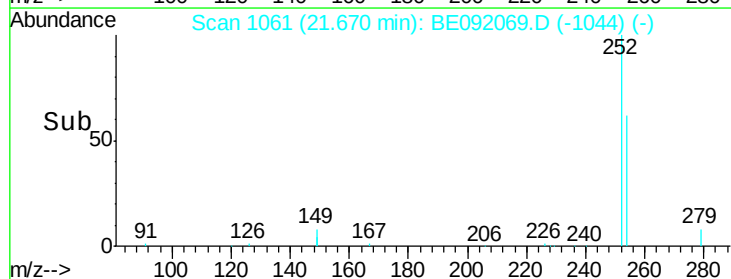
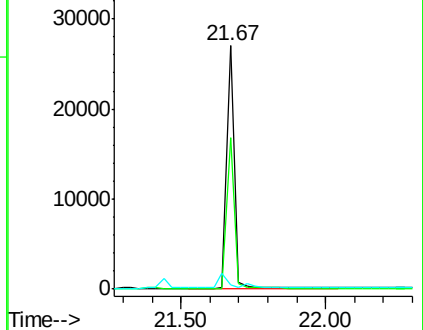
126 1.6 10.6 15.8#

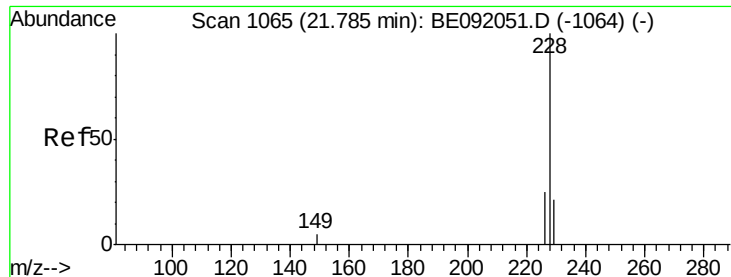


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 10.00 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

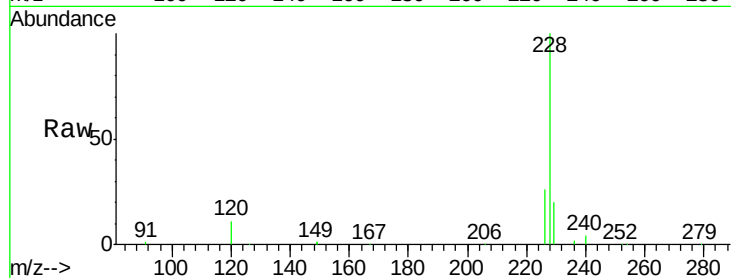
Tgt Ion:228 Resp: 389715

Ion Ratio Lower Upper

228 100

226 26.0 22.3 33.5

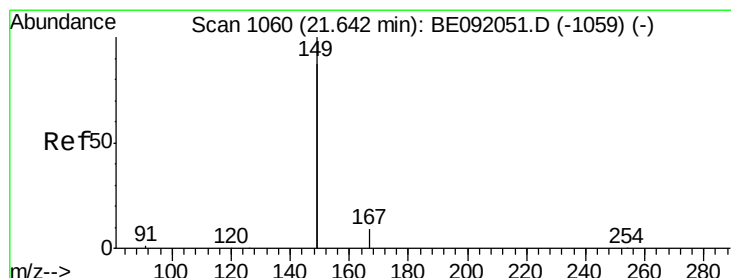
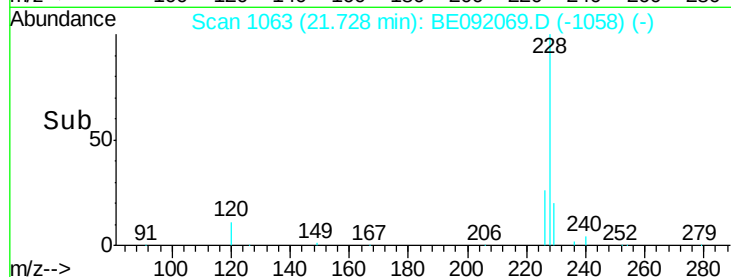
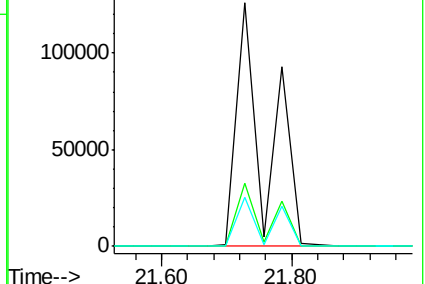
229 20.3 16.9 25.3



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: 4.97 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

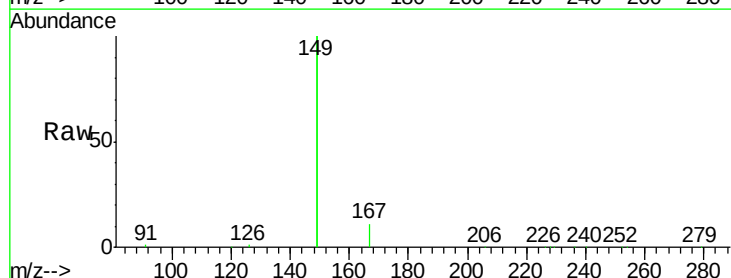
Tgt Ion:149 Resp: 649442

Ion Ratio Lower Upper

149 100

167 5.4 3.8 5.6

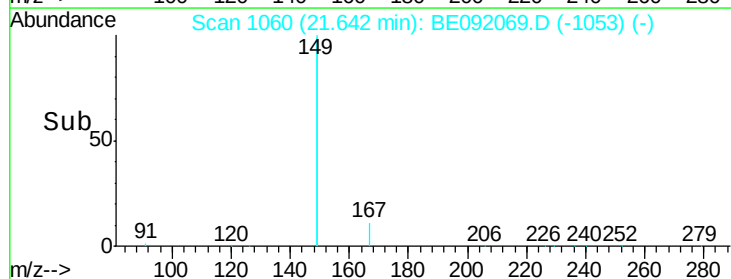
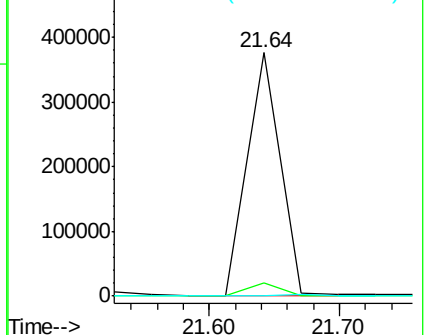
279 0.0 0.0 0.0

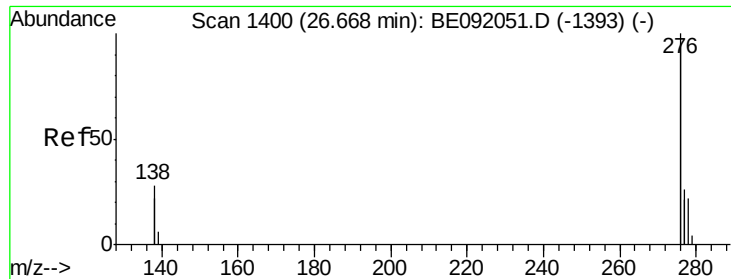


Abundance Ion 149.00 (148.70 to 149.70): E

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: 3.45 ng

RT: 26.65 min Scan# 1399

Delta R.T. -0.02 min

Lab File: BE092069.D

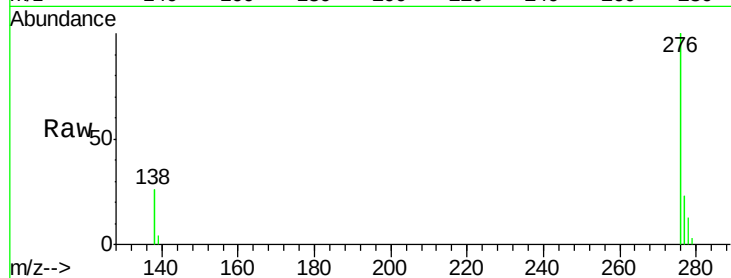
Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD



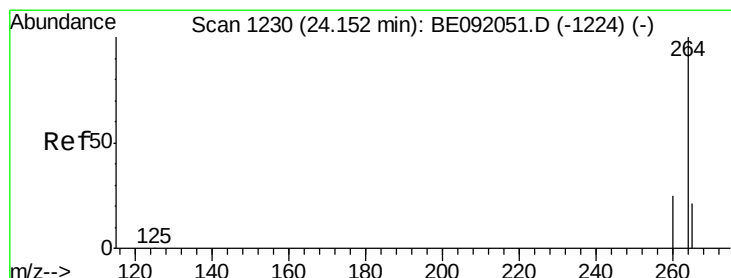
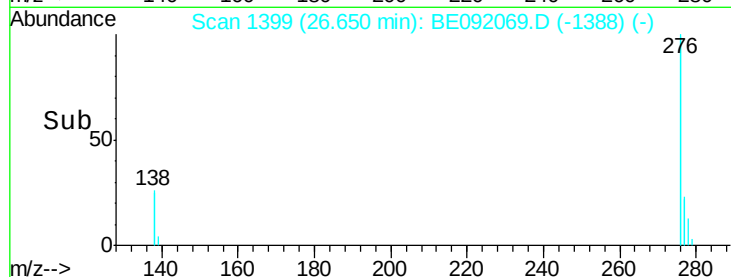
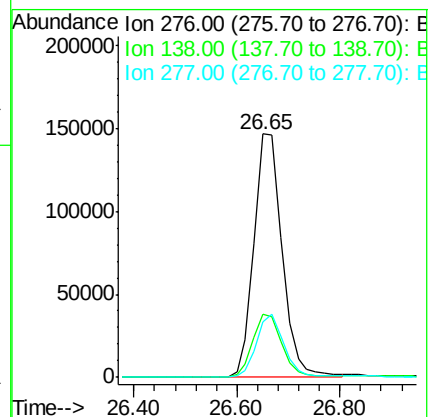
Tgt Ion: 276 Resp: 549804

Ion Ratio Lower Upper

276 100

138 26.5 21.2 31.8

277 24.6 19.8 29.8



#40

Perylene-d12

Concen: 5.00 ng

RT: 24.15 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

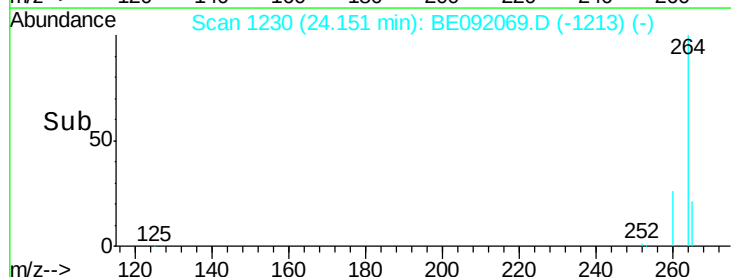
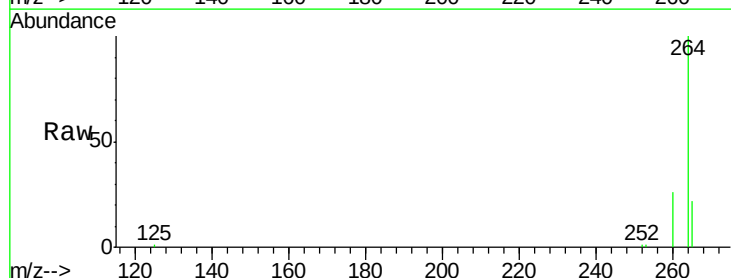
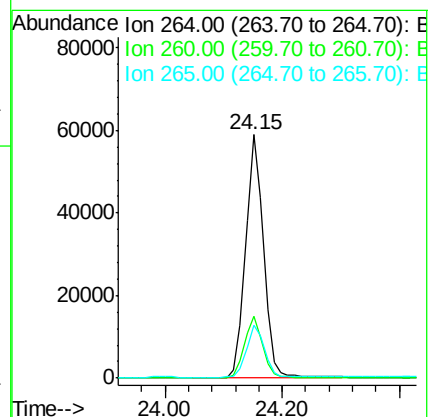
Tgt Ion: 264 Resp: 124846

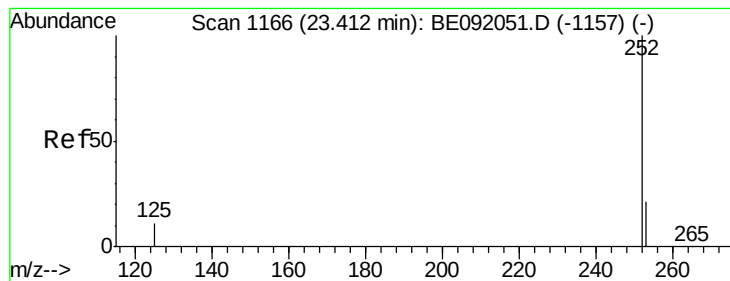
Ion Ratio Lower Upper

264 100

260 25.7 20.8 31.2

265 21.6 16.6 25.0





#41

Benzo(b)fluoranthene

Concen: 4.25 ng

RT: 23.41 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

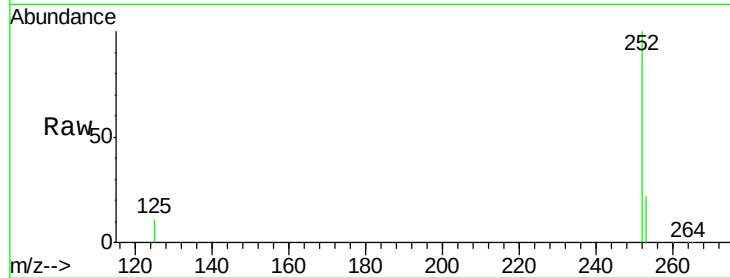
Tgt Ion:252 Resp: 141608

Ion Ratio Lower Upper

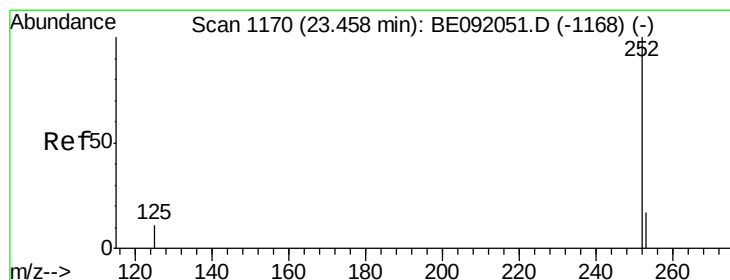
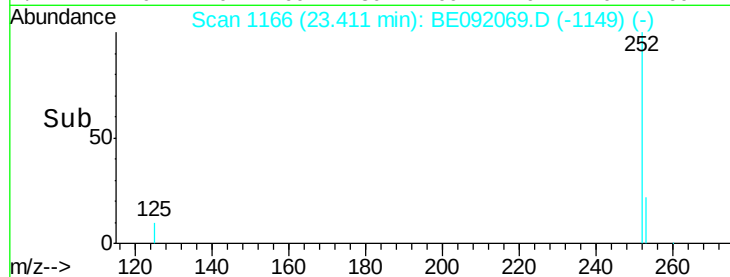
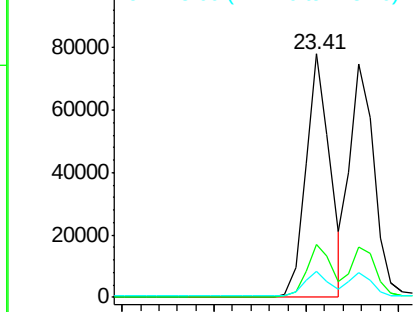
252 100

253 21.7 17.4 26.0

125 10.8 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: 4.03 ng

RT: 23.46 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

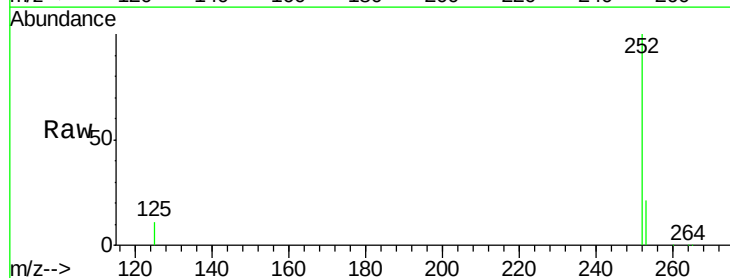
Tgt Ion:252 Resp: 137887

Ion Ratio Lower Upper

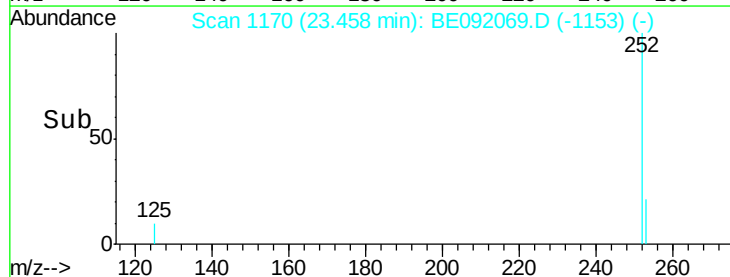
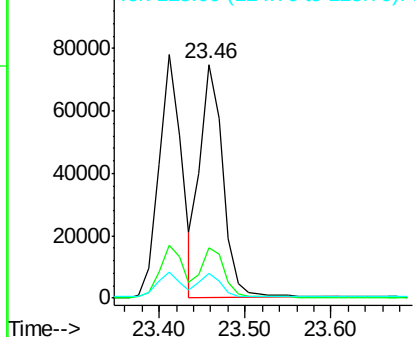
252 100

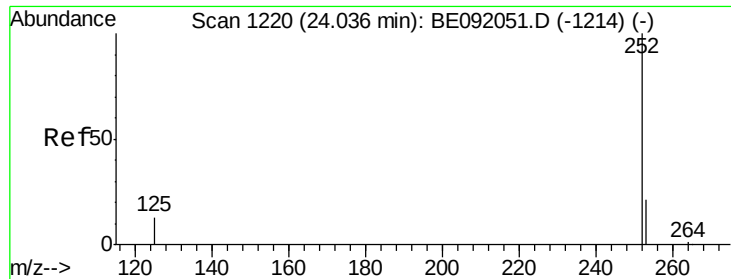
253 21.4 19.4 29.0

125 10.7 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: 4.11 ng

RT: 24.04 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

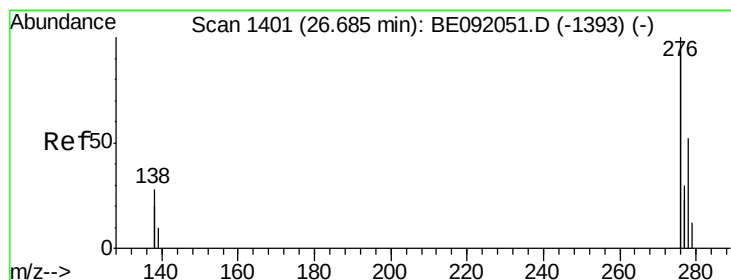
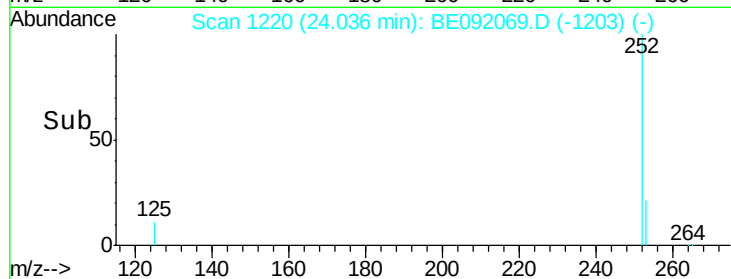
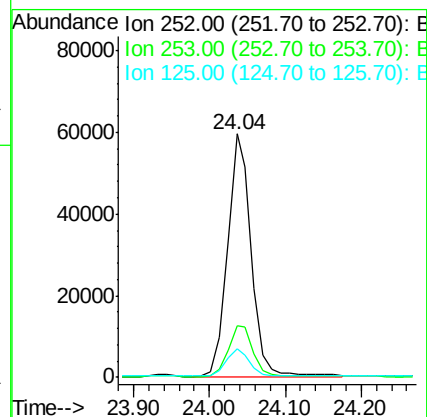
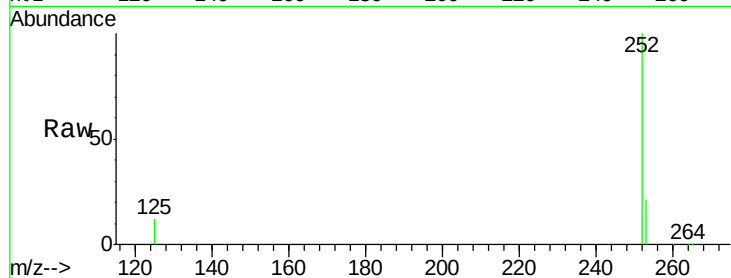
Tgt Ion: 252 Resp: 130703

Ion Ratio Lower Upper

252 100

253 21.2 19.8 29.8

125 11.9 10.4 15.6



#44

Dibenzo(a,h)anthracene

Concen: 4.07 ng

RT: 26.68 min Scan# 1401

Delta R.T. -0.00 min

Lab File: BE092069.D

Acq: 28 Jul 2016 6:21

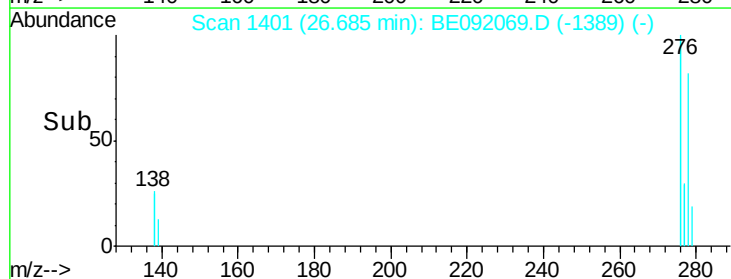
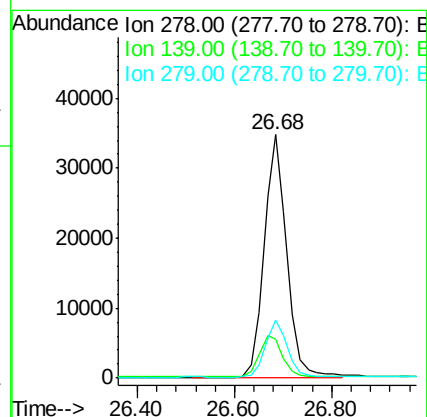
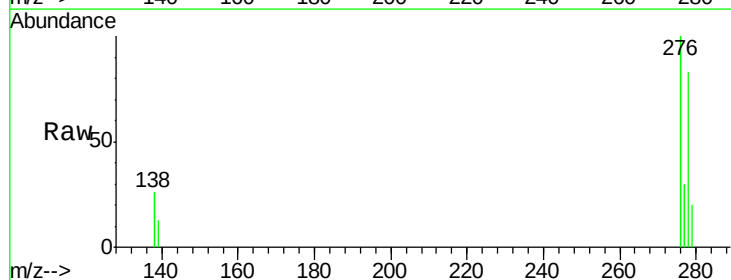
Tgt Ion: 278 Resp: 112947

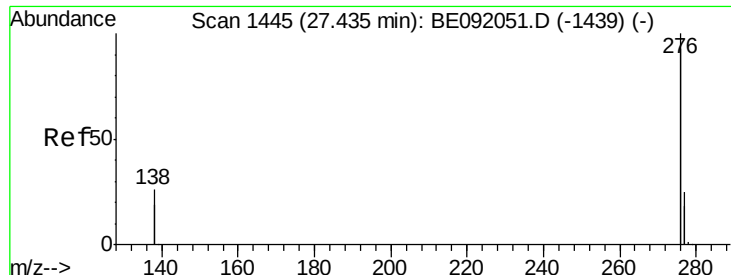
Ion Ratio Lower Upper

278 100

139 15.7 16.7 25.1#

279 23.7 20.3 30.5





#45

Benzo(g,h,i)perylene

Concen: 3.97 ng

RT: 27.43 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BE092069.D

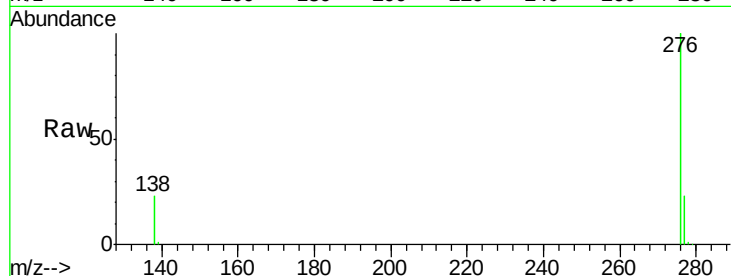
Acq: 28 Jul 2016 6:21

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD



Tgt Ion: 276 Resp: 459925

Ion Ratio Lower Upper

276 100

277 23.5 19.5 29.3

138 22.6 20.8 31.2

