

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080116\
 Data File : BE092101.D
 Acq On : 1 Aug 2016 20:56
 Operator : UM/SJ
 Sample : H4107-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Aug 02 01:07:17 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	14297	5.00	ng	0.00
8) Naphthalene-d8	10.97	136	66962	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	35460	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	128227	5.00	ng	0.00
31) Chrysene-d12	21.74	240	134117	5.00	ng	0.00
40) Perylene-d12	24.14	264	122546	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.70	112	28194	7.20	ng	0.00
5) Phenol-d6	7.33	99	41265	7.55	ng	0.00
9) Nitrobenzene-d5	9.35	82	21737	4.16	ng	0.00
16) 2,4,6-Tribromophenol	16.32	330	14694	6.27	ng	-0.02
17) 2-Fluorobiphenyl	13.46	172	51758	3.77	ng	0.00
34) Terphenyl-d14	20.21	244	51581	4.02	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.44	88	5453	3.06	ng	# 91
3) n-Nitrosodimethylamine	3.78	42	9701	3.69	ng	# 92
6) bis(2-Chloroethyl)ether	7.59	93	16911	3.83	ng	98
7) n-Nitroso-di-n-propylamine	8.98	70	15443	3.68	ng	99
10) Nitrobenzene	9.38	77	21531	3.87	ng	98
11) bis(2-Chloroethoxy)methane	10.40	93	22650	3.79	ng	98
12) Naphthalene	11.02	128	57531	3.73	ng	# 96
13) Hexachlorobutadiene	11.32	225	9155	3.64	ng	# 96
14) 2-Methylnaphthalene	12.65	142	42477	4.11	ng	98
18) Acenaphthylene	14.58	152	263791	3.36	ng	# 93
19) 2,6-Dinitrotoluene	14.46	165	32665	3.55	ng	# 100
20) Acenaphthene	14.92	154	42700	3.93	ng	# 66
21) 2,4-Dinitrotoluene	15.25	165	54122	3.57	ng	# 1
22) Fluorene	15.89	166	57918	3.55	ng	99
23) 4-Chlorophenyl-phenylether	15.87	204	26066	3.13	ng	# 65
25) 4-Bromophenyl-phenylether	16.76	248	16494	3.84	ng	97
26) Hexachlorobenzene	16.88	284	16570	3.87	ng	98
27) Pentachlorophenol	17.23	266	18261	10.72	ng	# 80
28) Phenanthrene	17.62	178	123058	4.05	ng	96
29) Anthracene	17.71	178	95622	3.74	ng	100
30) Fluoranthene	19.61	202	378133	4.30	ng	# 67
32) Benzidine	19.81	184	5052	0.64	ng	# 75
33) Pyrene	19.98	202	679663	4.46	ng	96
35) Benzo(a)anthracene	21.71	228	238950	7.54	ng	95
36) 3,3'-Dichlorobenzidine	21.67	252	29574	2.45	ng	# 80
37) Chrysene	21.71	228	240735	7.54	ng	94
38) Bis(2-ethylhexyl)phthalate	21.65	149	97271	3.72	ng	# 25
39) Indeno(1,2,3-cd)pyrene	26.63	276	573747	4.03	ng	100
41) Benzo(b)fluoranthene	23.41	252	139271	4.45	ng	# 95
42) Benzo(k)fluoranthene	23.45	252	119773	3.44	ng	97
43) Benzo(a)pyrene	24.03	252	126311	4.00	ng	95
44) Dibenzo(a,h)anthracene	26.67	278	116941	3.99	ng	94
45) Benzo(g,h,i)perylene	27.42	276	490402	3.97	ng	94

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QLast Update : Mon Aug 01 17:22:55 2016
Response via : Initial Calibration

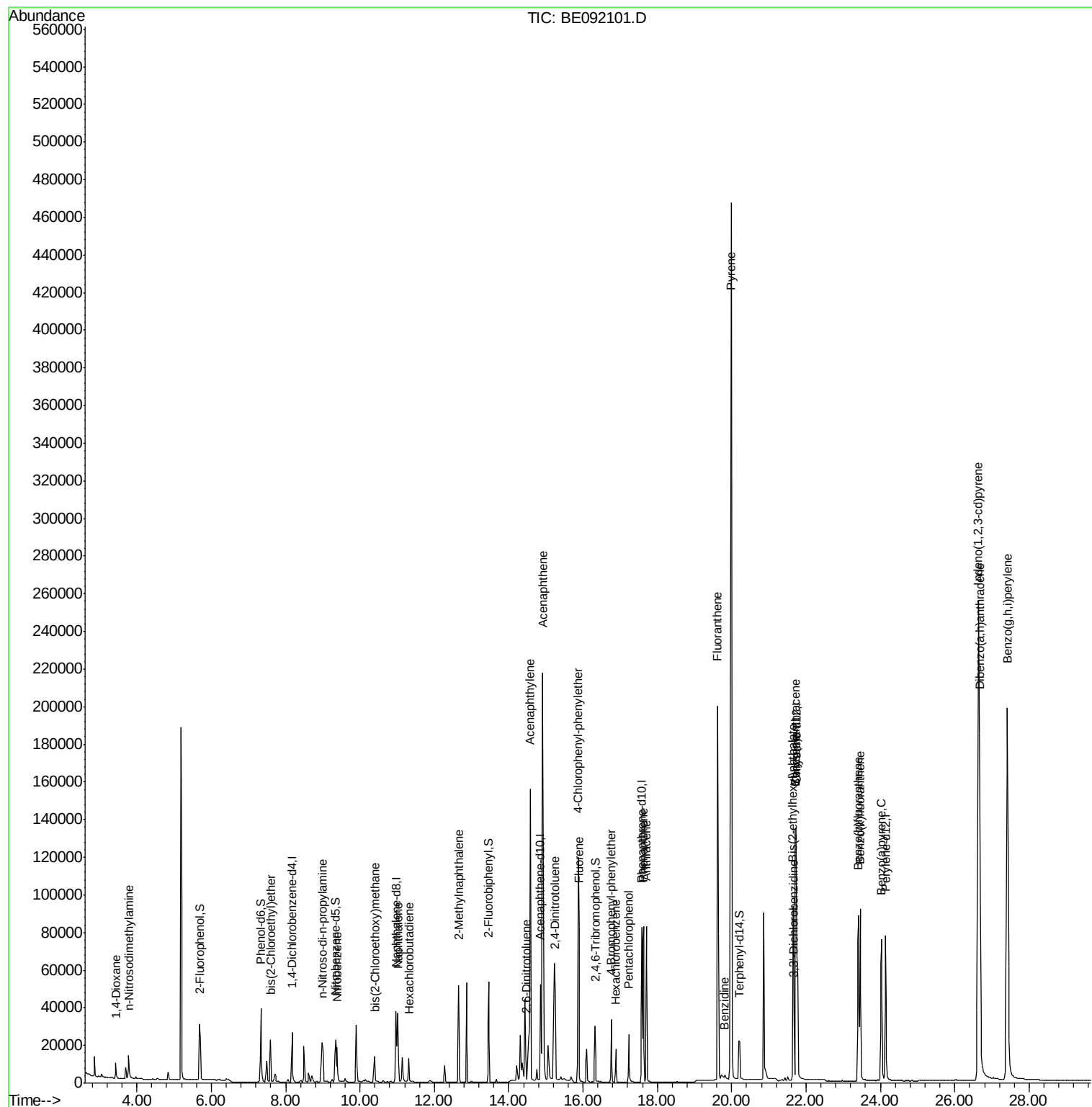
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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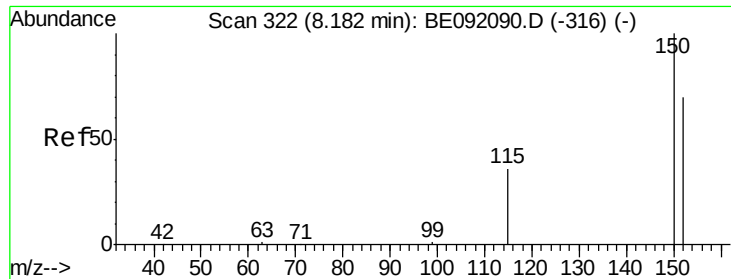
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

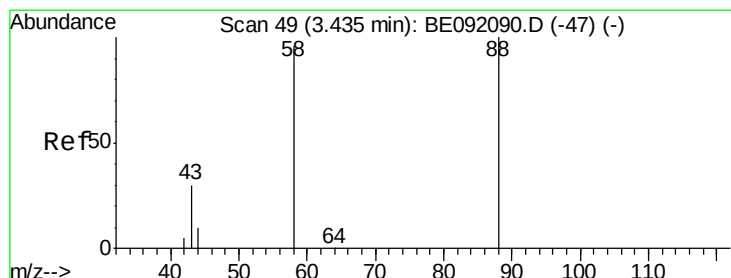
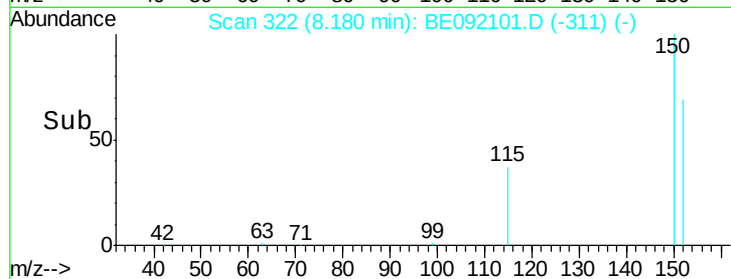
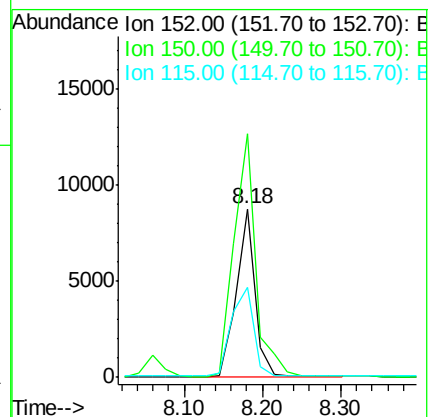
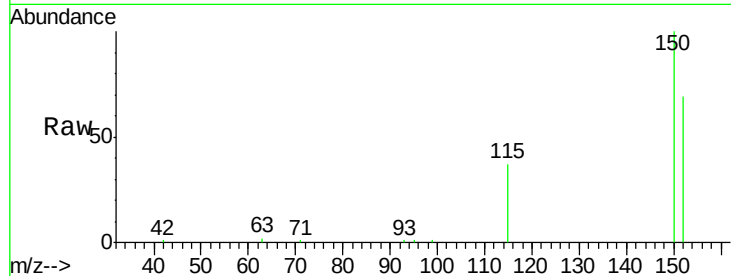
Tgt Ion:152 Resp: 14297

Ion Ratio Lower Upper

152 100

150 144.4 106.0 159.0

115 53.2 36.9 55.3



#2

1,4-Dioxane

Concen: 3.06 ng

RT: 3.44 min Scan# 49

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

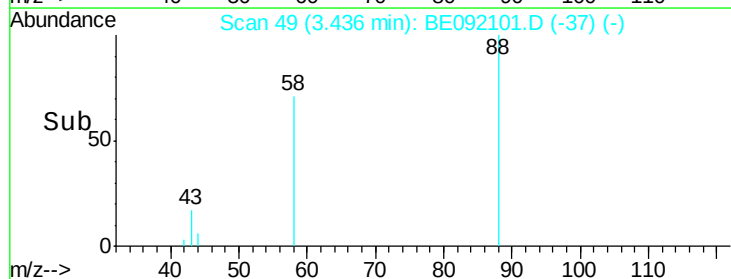
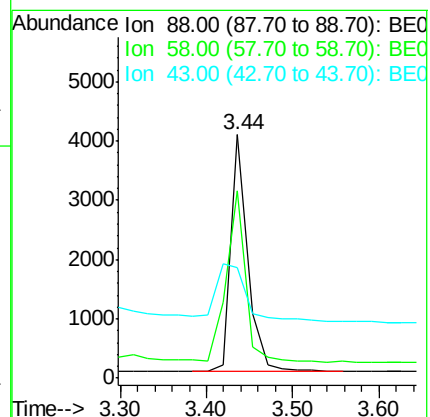
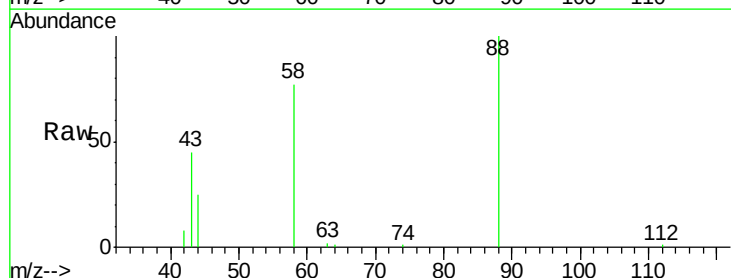
Tgt Ion: 88 Resp: 5453

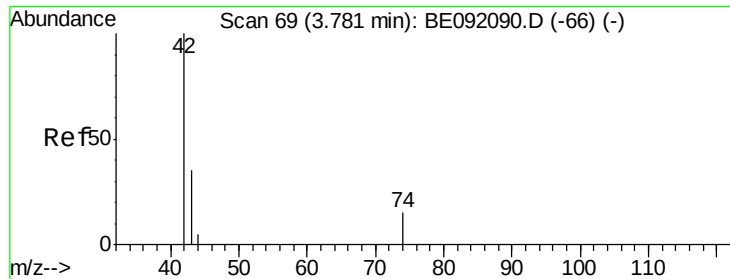
Ion Ratio Lower Upper

88 100

58 82.0 62.1 93.1

43 44.5 27.2 40.8#





#3

n-Nitrosodimethylamine

Concen: 3.69 ng

RT: 3.78 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

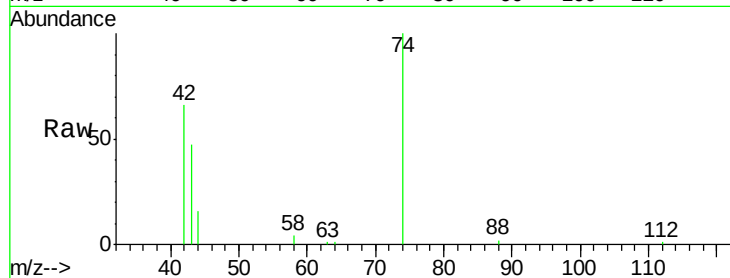
Tgt Ion: 42 Resp: 9701

Ion Ratio Lower Upper

42 100

74 111.8 82.8 124.2

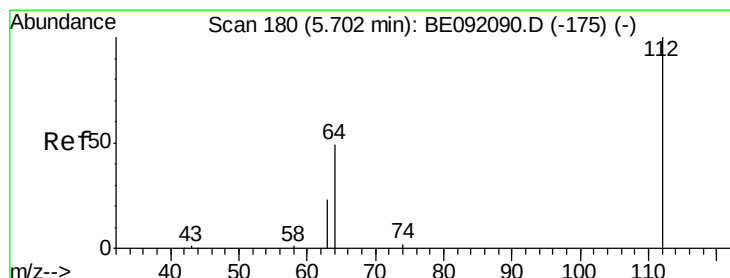
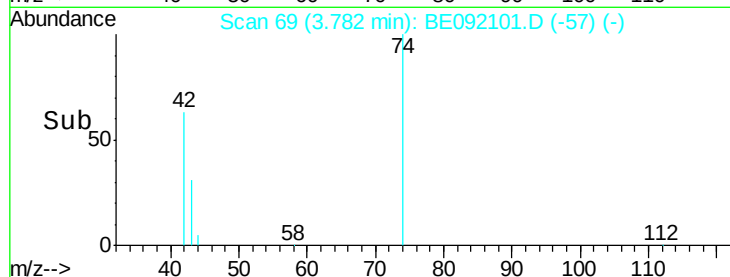
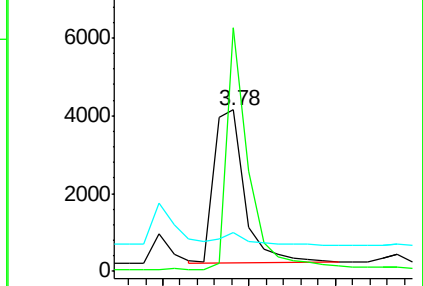
44 7.4 9.0 13.4#



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: 7.20 ng

RT: 5.70 min Scan# 180

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

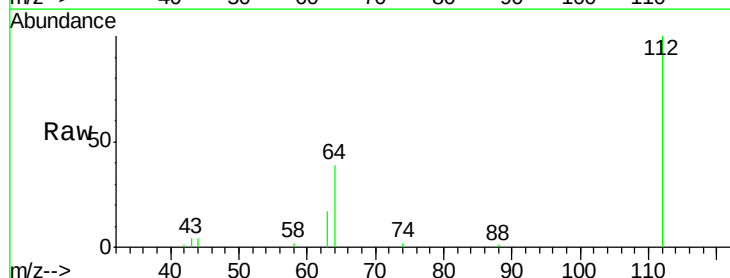
Tgt Ion: 112 Resp: 28194

Ion Ratio Lower Upper

112 100

64 68.1 55.9 83.9

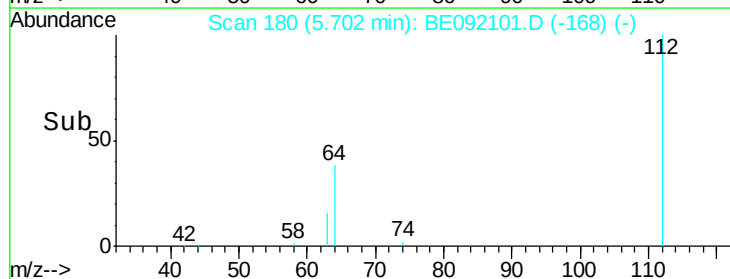
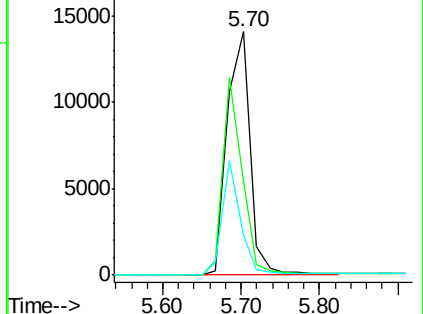
63 36.7 31.1 46.7

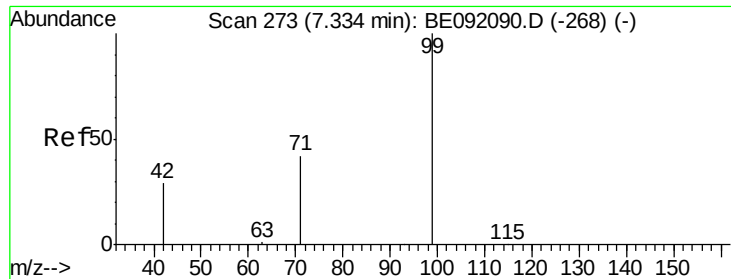


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.55 ng

RT: 7.33 min Scan# 273

Delta R.T. -0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

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ClientSampleId :

TILCON-MH-SF-004MSD

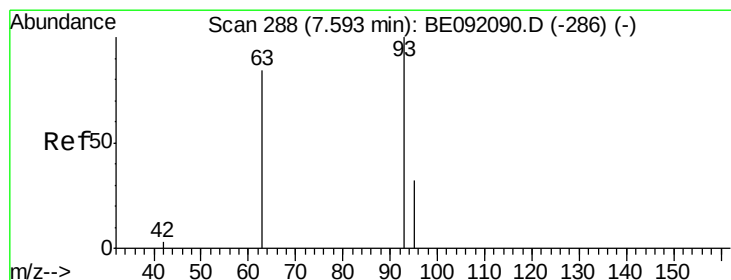
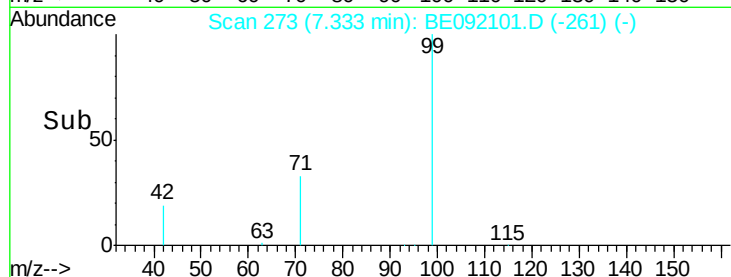
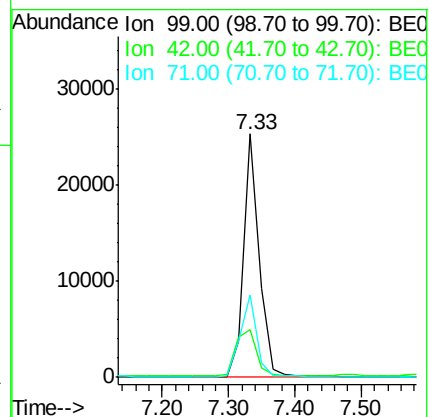
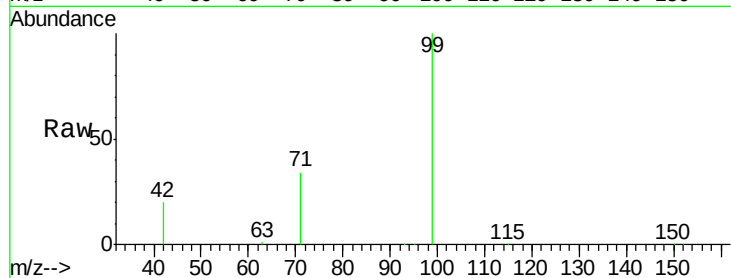
Tgt Ion: 99 Resp: 41265

Ion Ratio Lower Upper

99 100

42 25.3 22.4 33.6

71 35.4 28.9 43.3



#6

bis(2-Chloroethyl)ether

Concen: 3.83 ng

RT: 7.59 min Scan# 288

Delta R.T. -0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

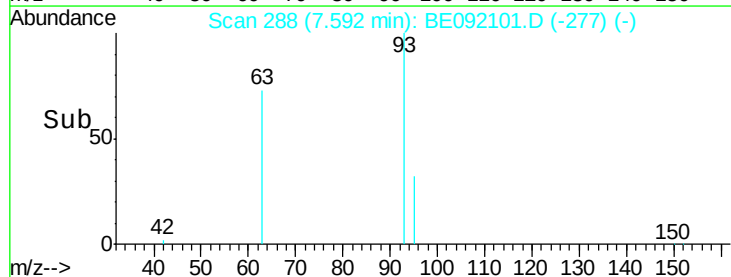
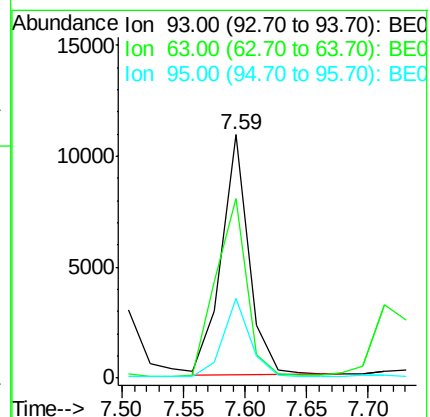
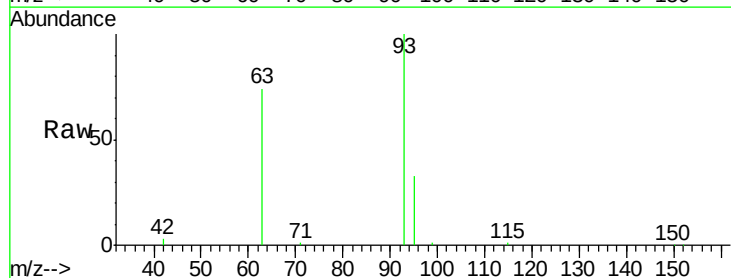
Tgt Ion: 93 Resp: 16911

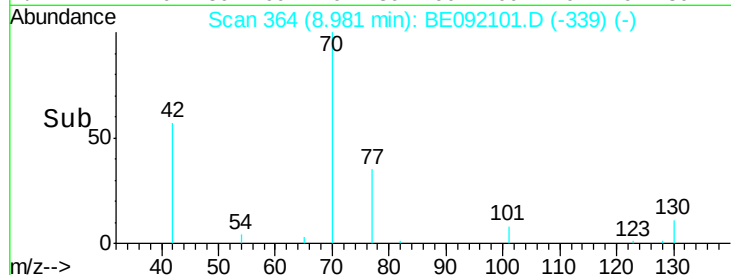
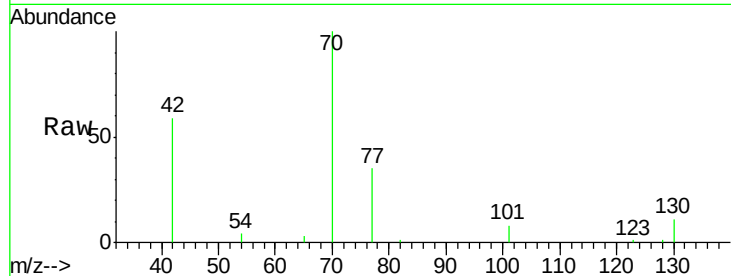
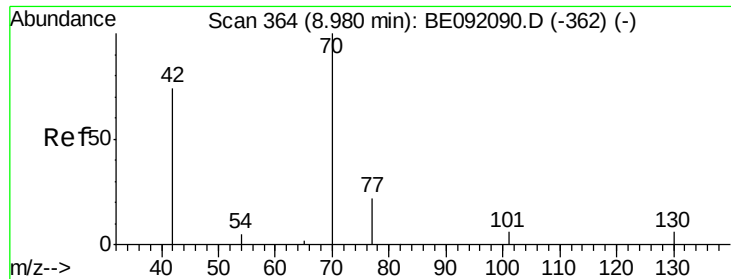
Ion Ratio Lower Upper

93 100

63 83.0 64.4 96.6

95 32.0 25.8 38.8





#7

n-Nitroso-di-n-propylamine

Concen: 3.68 ng

RT: 8.98 min Scan# 364

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

Tgt Ion: 70 Resp: 15443

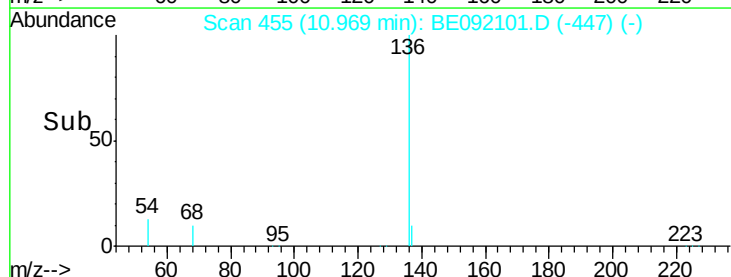
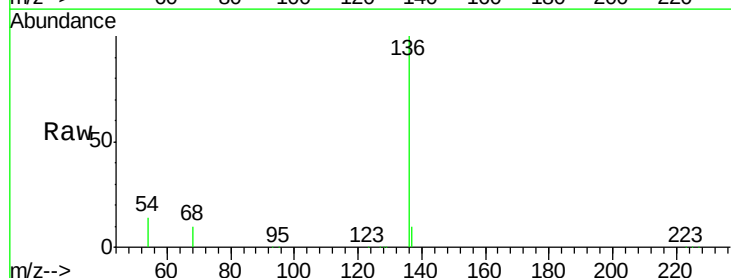
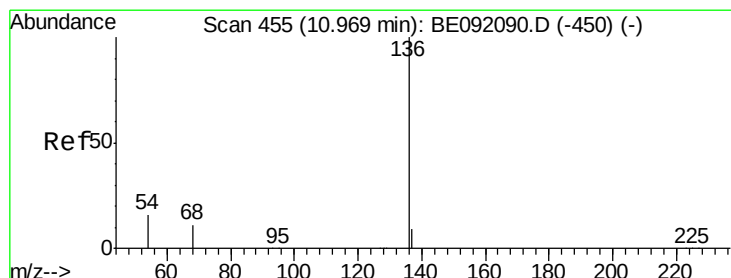
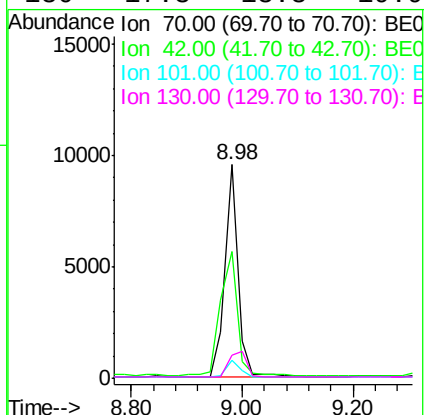
Ion Ratio Lower Upper

70 100

42 74.2 60.2 90.4

101 8.6 6.8 10.2

130 17.3 13.3 19.9



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 455

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Tgt Ion: 136 Resp: 66962

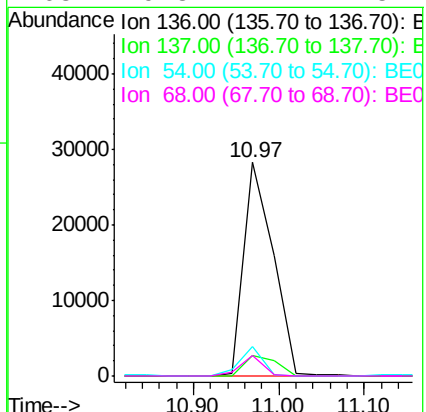
Ion Ratio Lower Upper

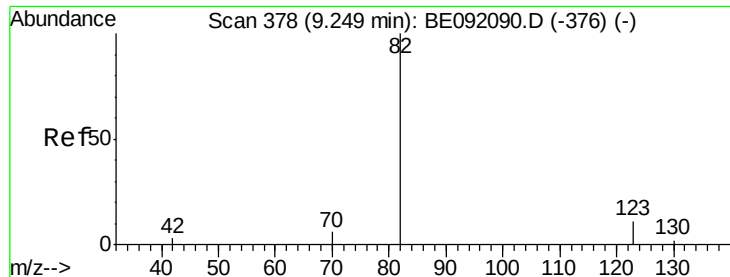
136 100

137 9.8 9.1 13.7

54 13.6 2.7 4.1#

68 9.8 2.2 3.4#





#9

Nitrobenzene-d5

Concen: 4.16 ng

RT: 9.35 min Scan# 383

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

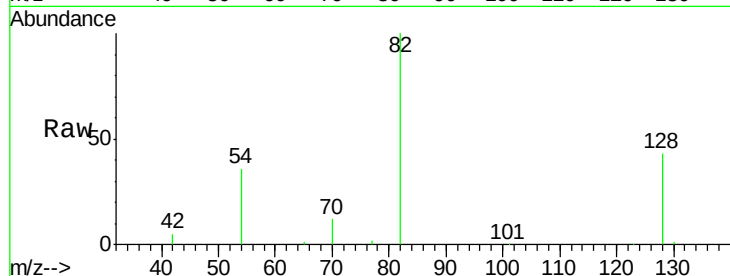
Tgt Ion: 82 Resp: 21737

Ion Ratio Lower Upper

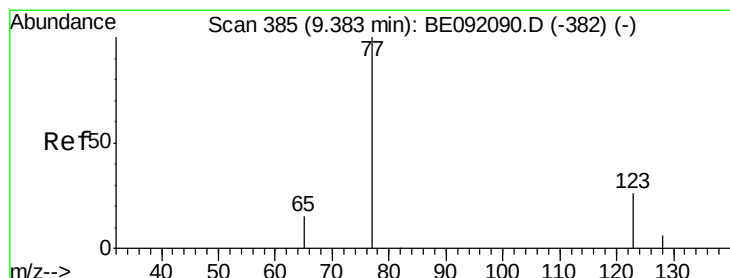
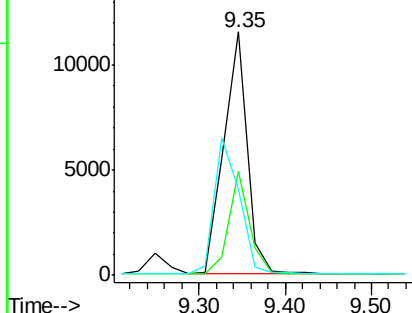
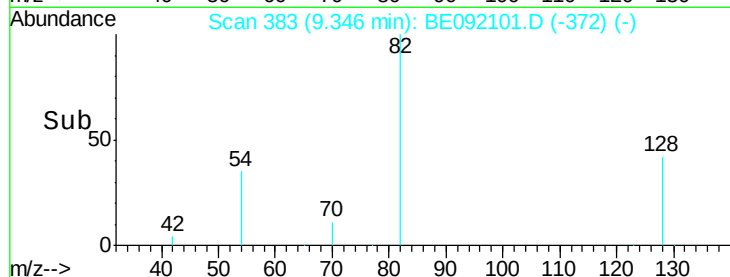
82 100

128 42.7 33.0 49.4

54 35.6 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: 3.87 ng

RT: 9.38 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

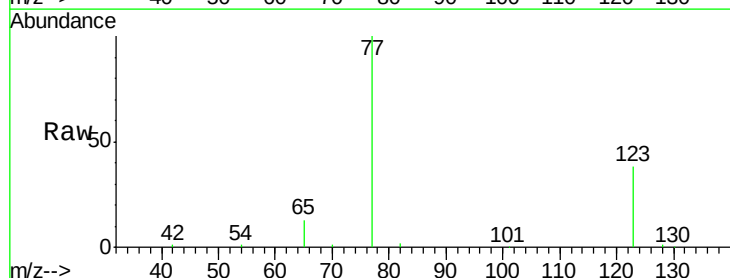
Tgt Ion: 77 Resp: 21531

Ion Ratio Lower Upper

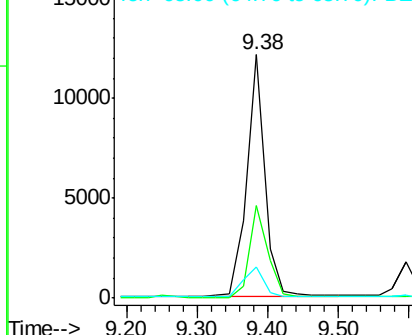
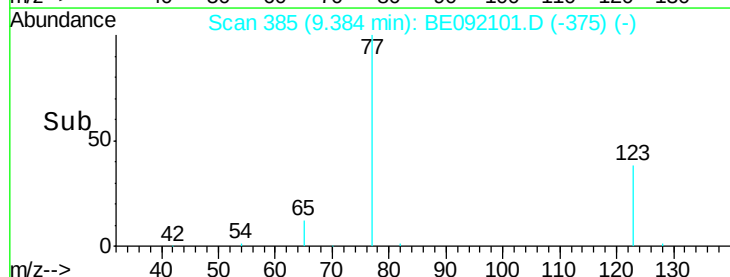
77 100

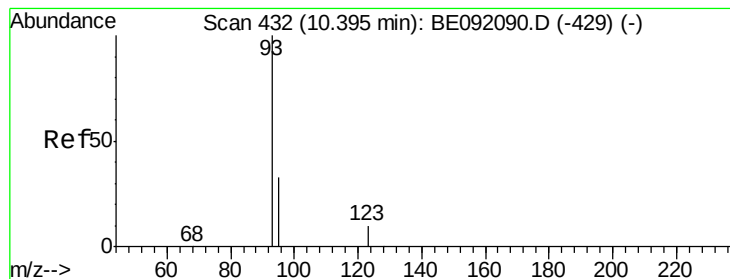
123 38.9 29.9 44.9

65 14.1 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: 3.79 ng

RT: 10.40 min Scan# 432

Delta R.T. 0.00 min

Lab File: BE092101.D

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Instrument :

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ClientSampleId :

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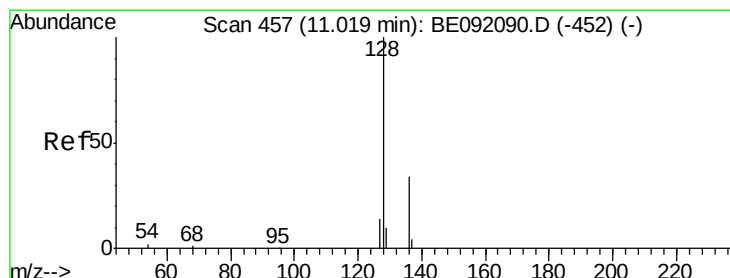
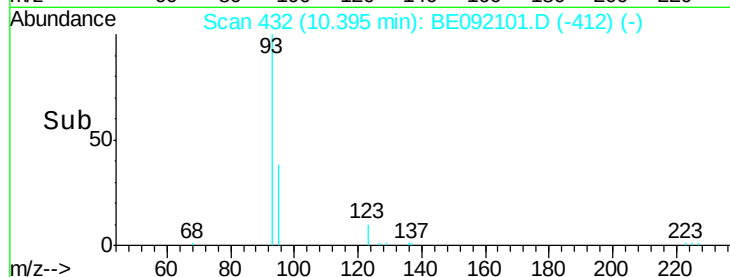
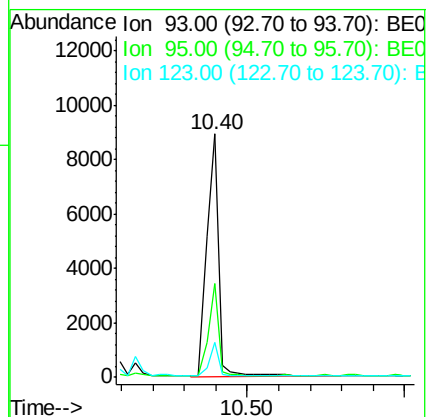
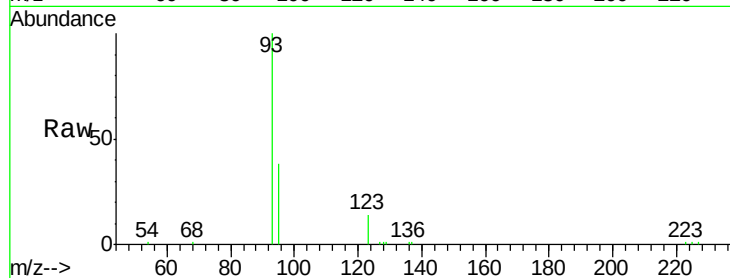
Tgt Ion: 93 Resp: 22650

Ion Ratio Lower Upper

93 100

95 32.7 25.0 37.6

123 10.4 7.8 11.8



#12

Naphthalene

Concen: 3.73 ng

RT: 11.02 min Scan# 457

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

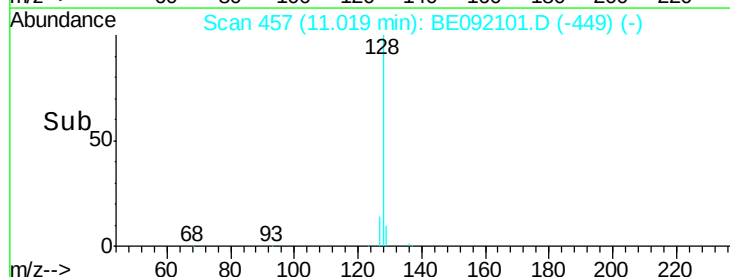
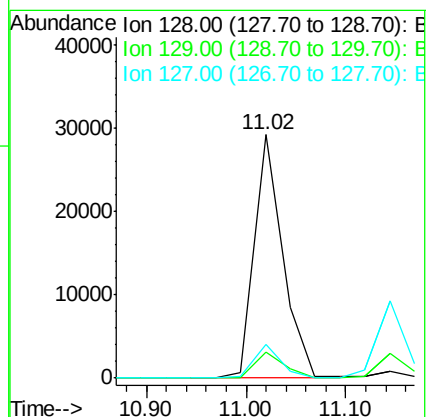
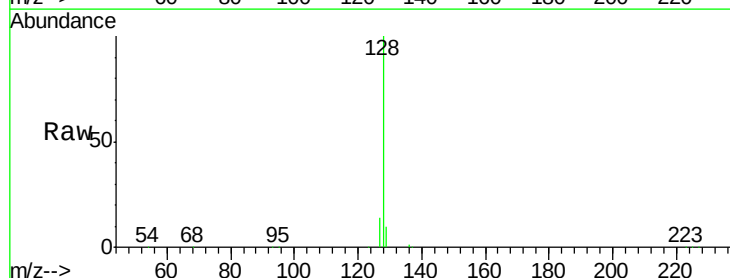
Tgt Ion: 128 Resp: 57531

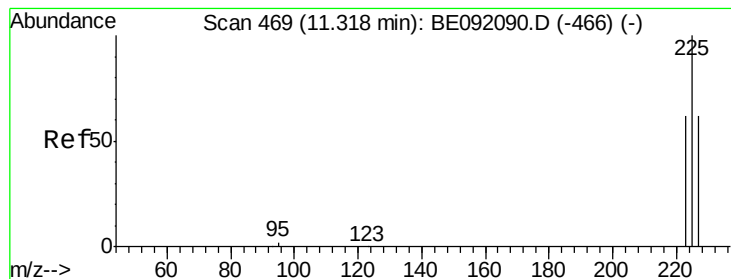
Ion Ratio Lower Upper

128 100

129 10.5 11.1 16.7#

127 14.0 11.3 16.9





#13

Hexachlorobutadiene

Concen: 3.64 ng

RT: 11.32 min Scan# 469

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

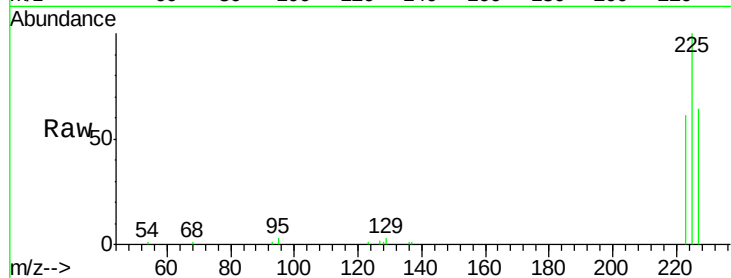
Tgt Ion: 225 Resp: 9155

Ion Ratio Lower Upper

225 100

223 62.1 51.9 77.9

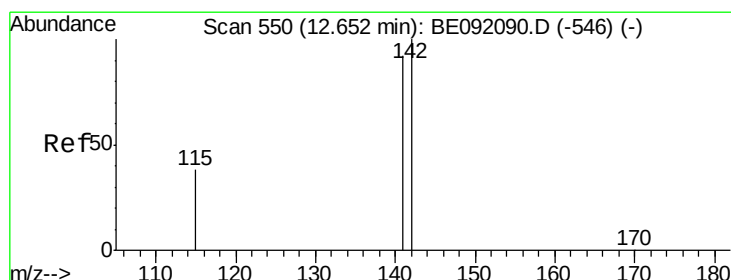
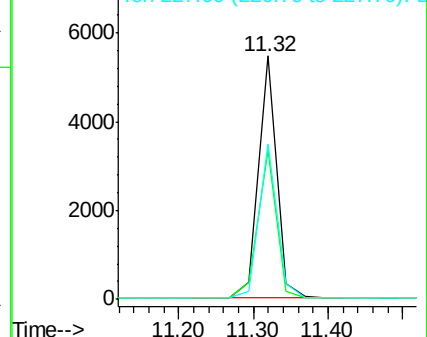
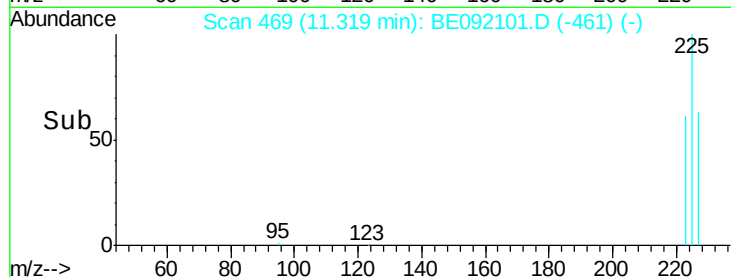
227 63.8 0.0 0.0#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#14

2-Methylnaphthalene

Concen: 4.11 ng

RT: 12.65 min Scan# 550

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

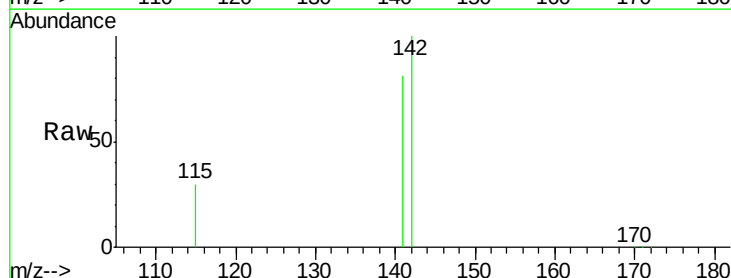
Tgt Ion: 142 Resp: 42477

Ion Ratio Lower Upper

142 100

141 81.0 65.1 97.7

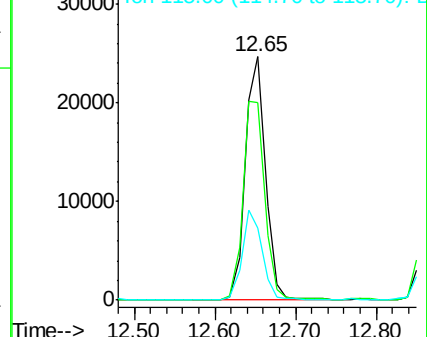
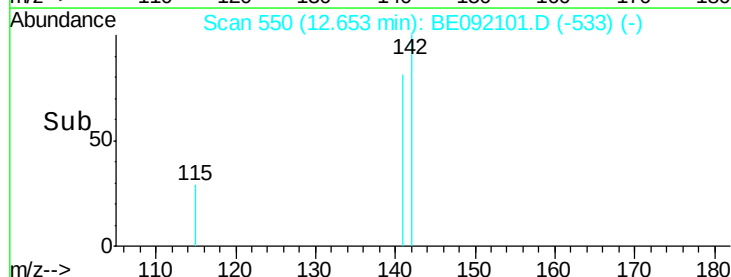
115 29.8 27.0 40.4

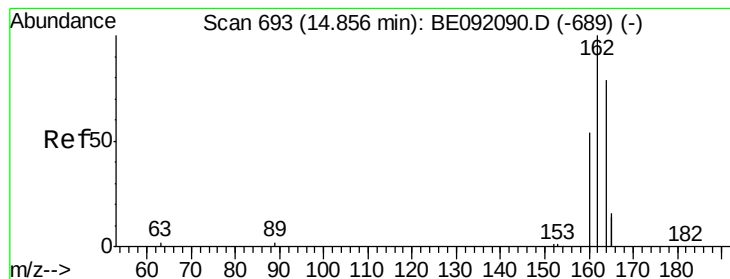


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 693

Delta R.T. -0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

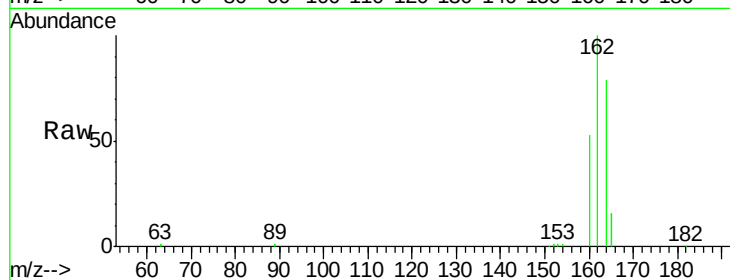
Tgt Ion:164 Resp: 35460

Ion Ratio Lower Upper

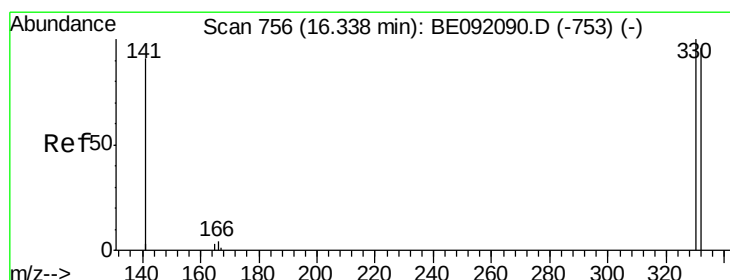
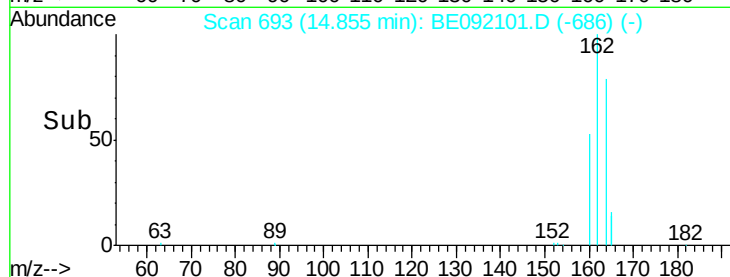
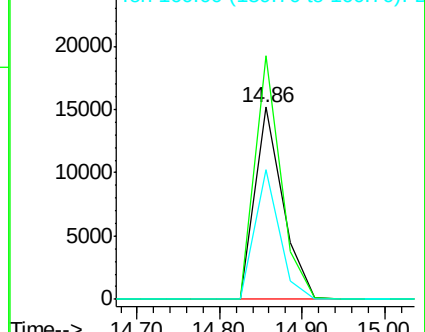
164 100

162 126.9 69.5 104.3#

160 67.4 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: 6.27 ng

RT: 16.32 min Scan# 755

Delta R.T. -0.02 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

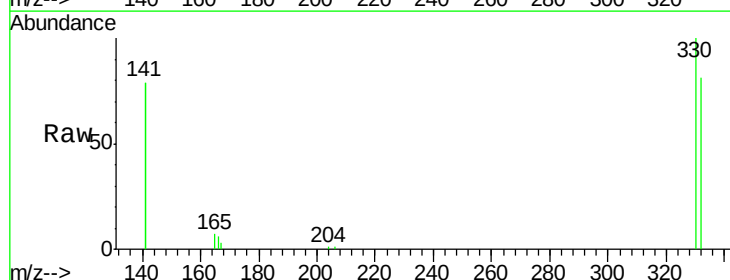
Tgt Ion:330 Resp: 14694

Ion Ratio Lower Upper

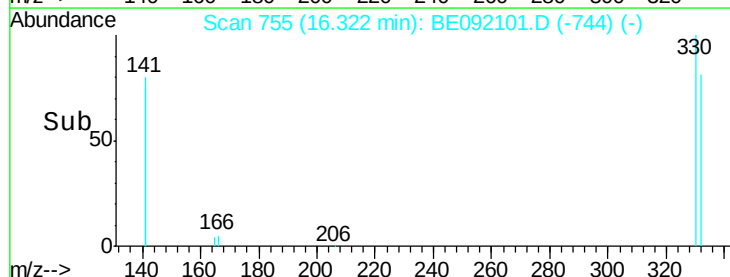
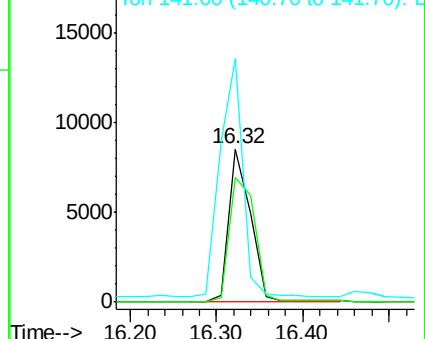
330 100

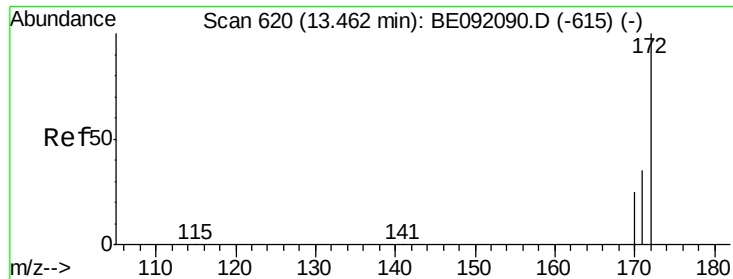
332 95.4 74.2 111.4

141 165.9 139.8 209.8



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

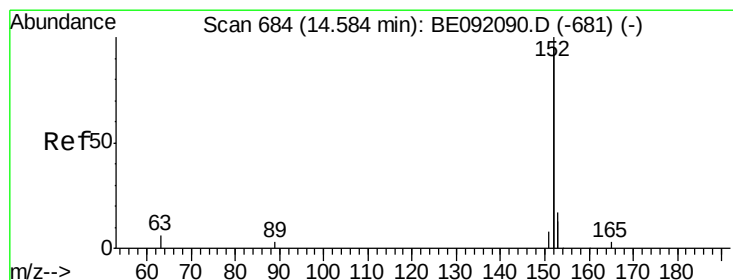
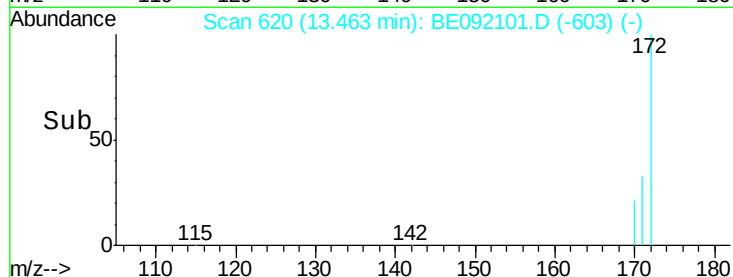
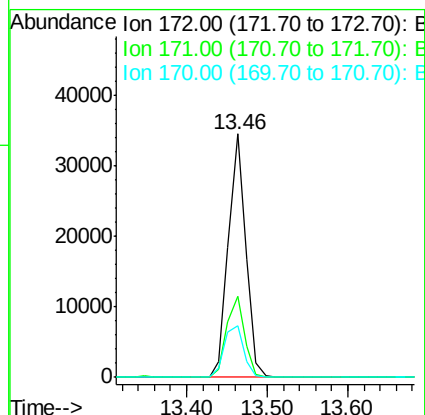
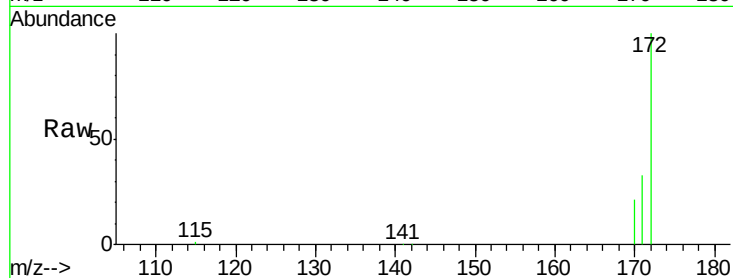




#17
 2-Fluorobiphenyl
 Concen: 3.77 ng
 RT: 13.46 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BE092101.D
 Acq: 1 Aug 2016 20:56

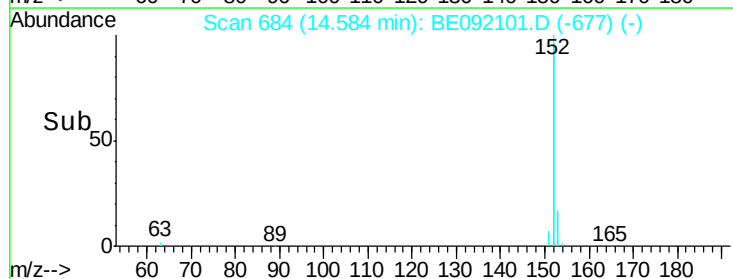
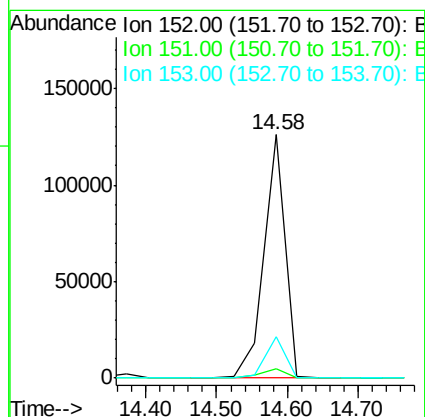
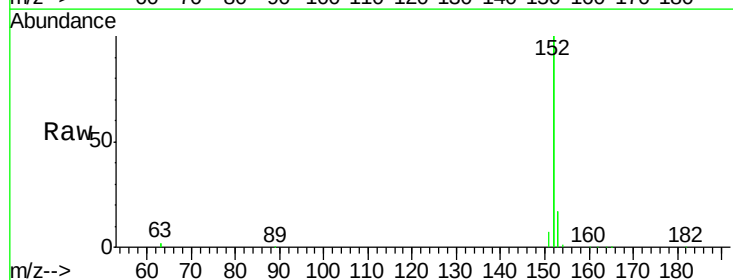
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

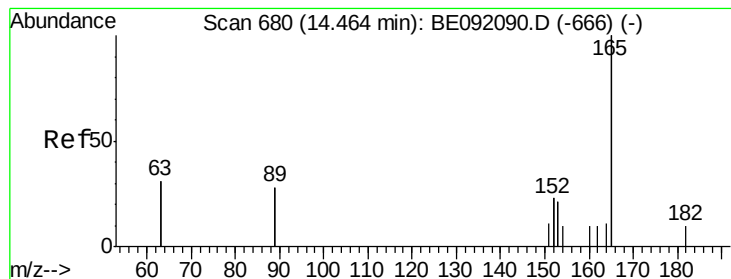
Tgt Ion:172 Resp: 51758
 Ion Ratio Lower Upper
 172 100
 171 33.2 30.3 45.5
 170 21.3 21.6 32.4#



#18
 Acenaphthylene
 Concen: 3.36 ng
 RT: 14.58 min Scan# 684
 Delta R.T. -0.00 min
 Lab File: BE092101.D
 Acq: 1 Aug 2016 20:56

Tgt Ion:152 Resp: 263791
 Ion Ratio Lower Upper
 152 100
 151 4.3 4.0 6.0
 153 15.4 9.6 14.4#





#19

2,6-Dinitrotoluene

Concen: 3.55 ng

RT: 14.46 min Scan# 680

Delta R.T. -0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

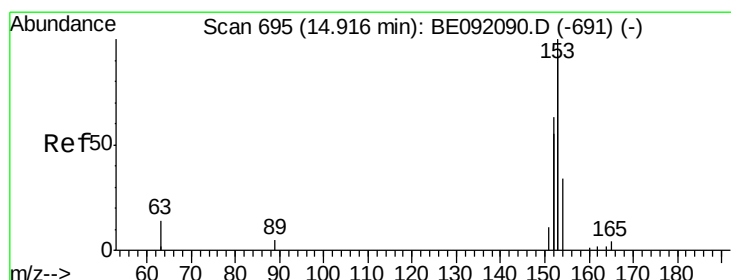
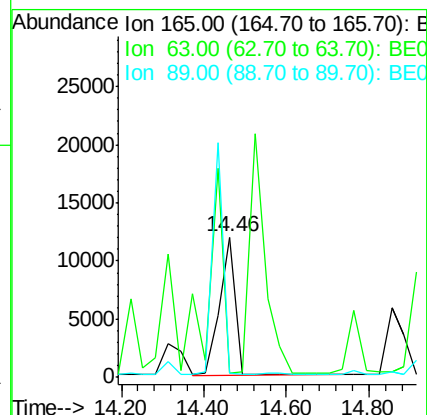
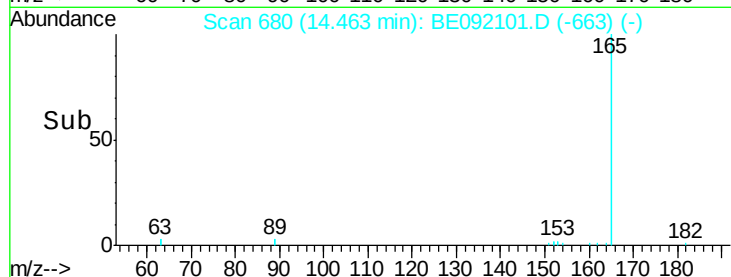
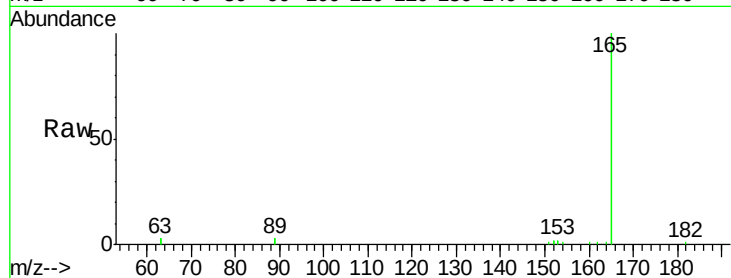
Tgt Ion:165 Resp: 32665

Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 0.0 0.0



#20

Acenaphthene

Concen: 3.93 ng

RT: 14.92 min Scan# 695

Delta R.T. -0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

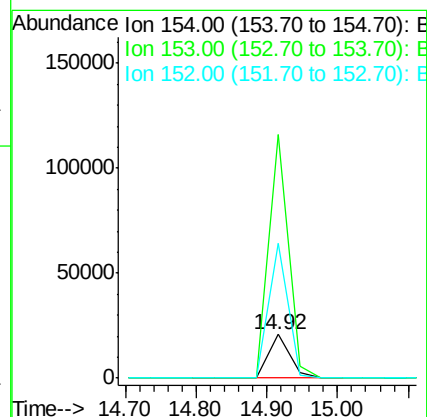
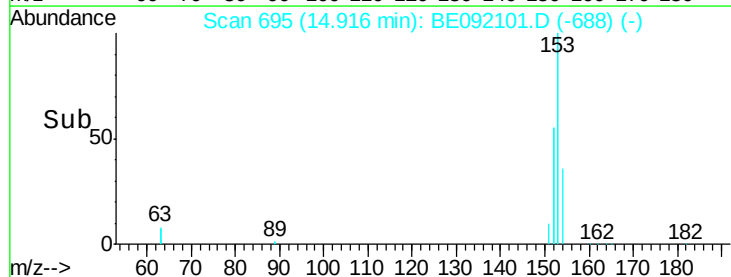
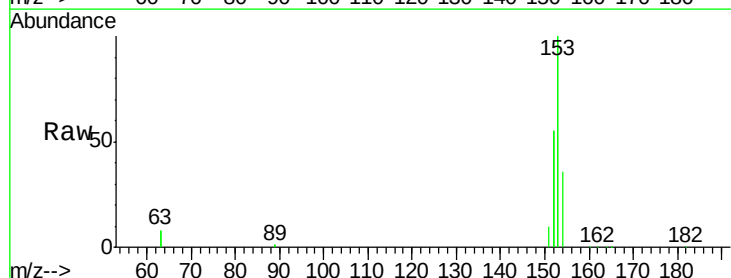
Tgt Ion:154 Resp: 42700

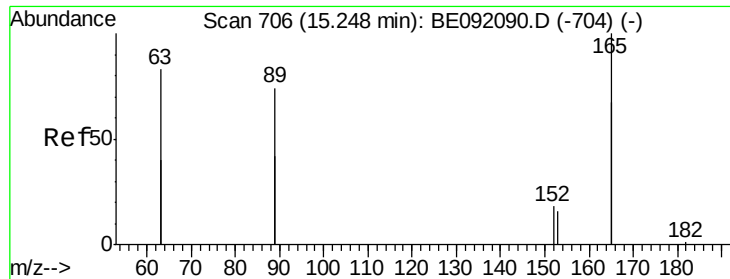
Ion Ratio Lower Upper

154 100

153 516.2 345.1 517.7

152 277.6 0.0 0.0#

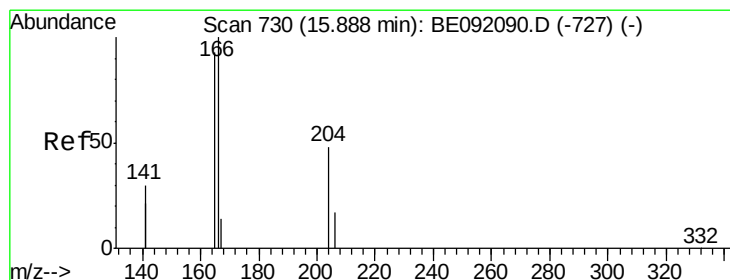
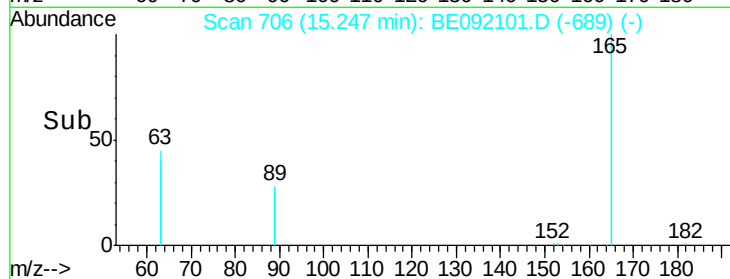
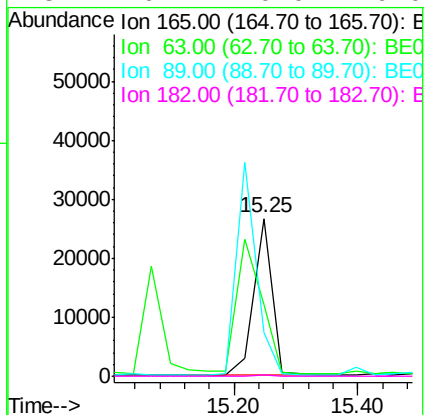
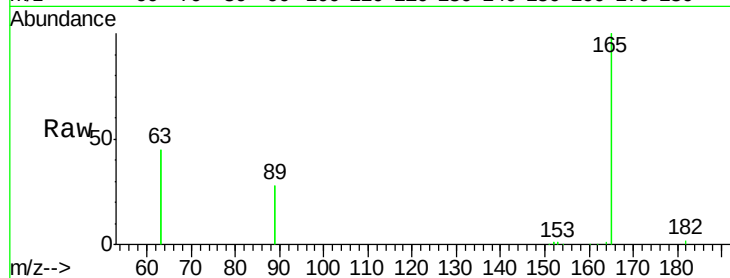




#21
2,4-Dinitrotoluene
Concen: 3.57 ng
RT: 15.25 min Scan# 706
Delta R.T. -0.00 min
Lab File: BE092101.D
Acq: 1 Aug 2016 20:56

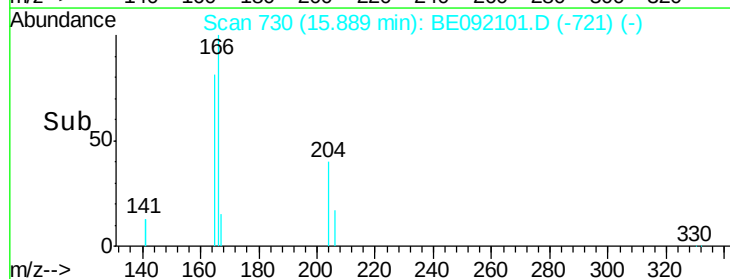
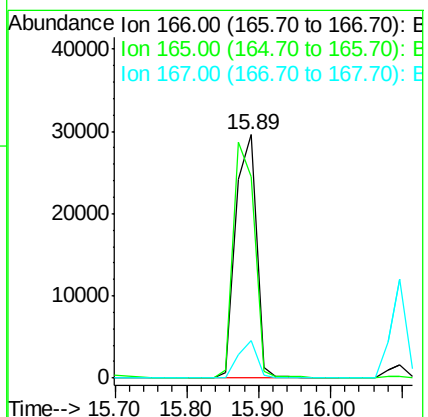
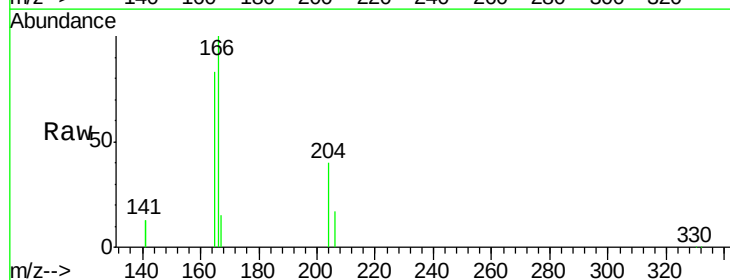
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MSD

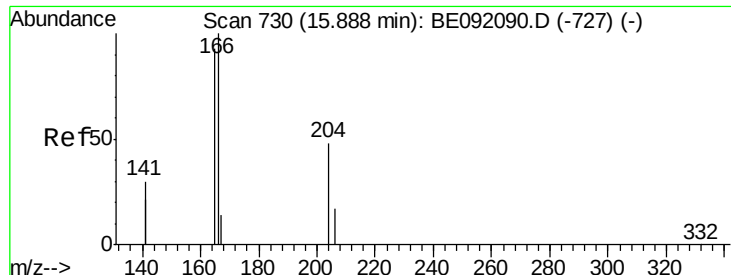
Tgt Ion:165 Resp: 54122
Ion Ratio Lower Upper
165 100
63 0.0 324.0 486.0#
89 0.0 308.4 462.6#
182 0.7 0.0 0.0#



#22
Fluorene
Concen: 3.55 ng
RT: 15.89 min Scan# 730
Delta R.T. 0.00 min
Lab File: BE092101.D
Acq: 1 Aug 2016 20:56

Tgt Ion:166 Resp: 57918
Ion Ratio Lower Upper
166 100
165 98.9 78.6 118.0
167 13.7 11.1 16.7

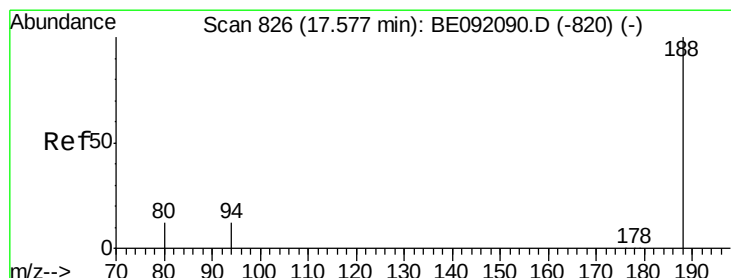
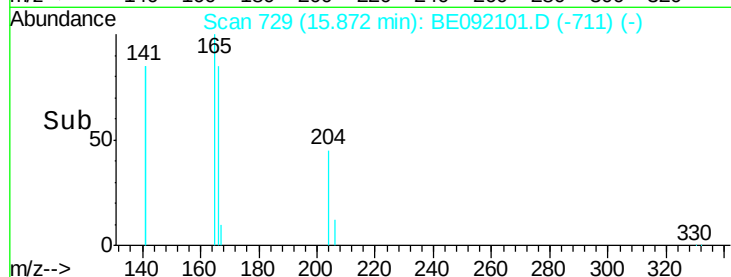
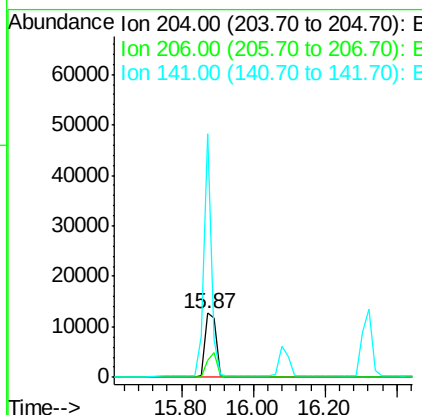
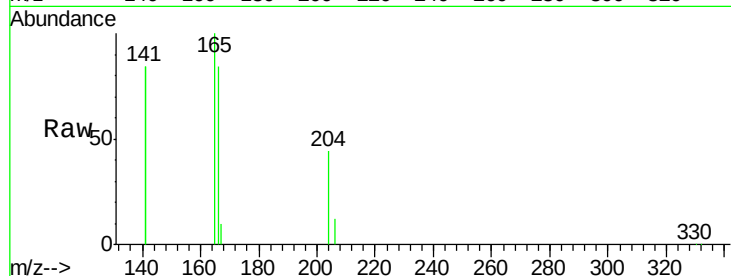




#23
 4-Chlorophenyl-phenylether
 Concen: 3.13 ng
 RT: 15.87 min Scan# 729
 Delta R.T. -0.02 min
 Lab File: BE092101.D
 Acq: 1 Aug 2016 20:56

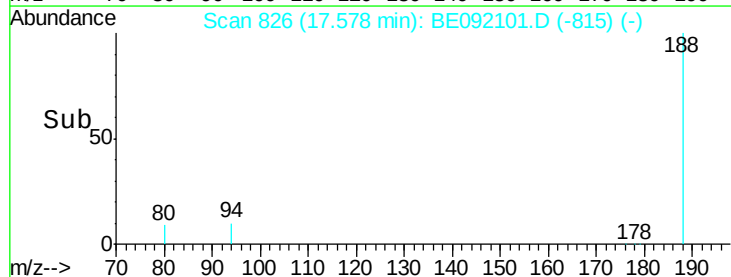
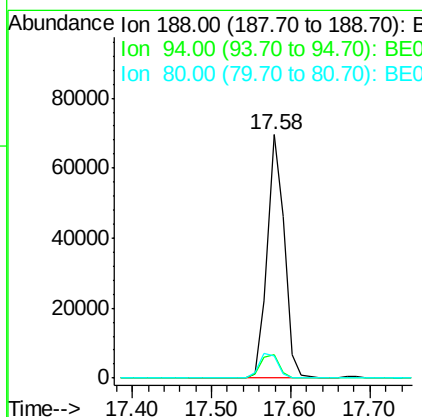
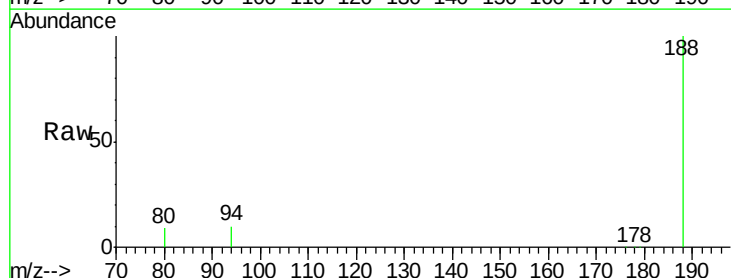
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

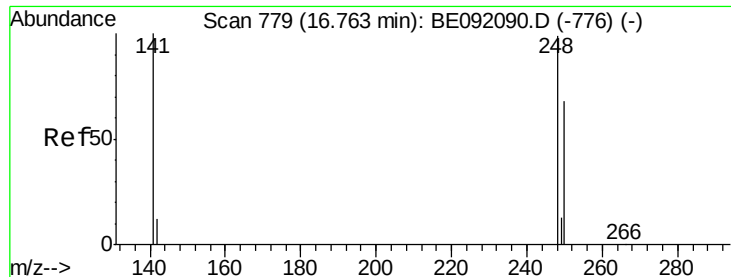
Tgt Ion:204 Resp: 26066
 Ion Ratio Lower Upper
 204 100
 206 42.8 27.0 40.4#
 141 313.0 198.5 297.7#



#24
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BE092101.D
 Acq: 1 Aug 2016 20:56

Tgt Ion:188 Resp: 128227
 Ion Ratio Lower Upper
 188 100
 94 9.6 3.9 5.9#
 80 9.1 3.4 5.0#

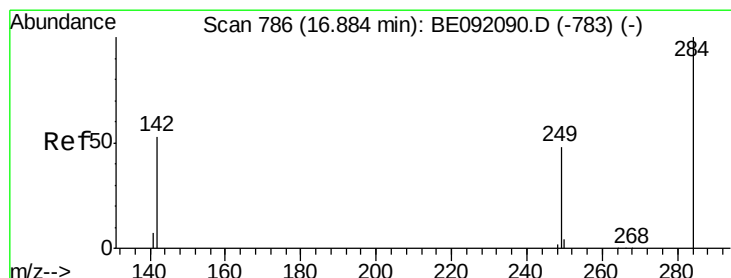
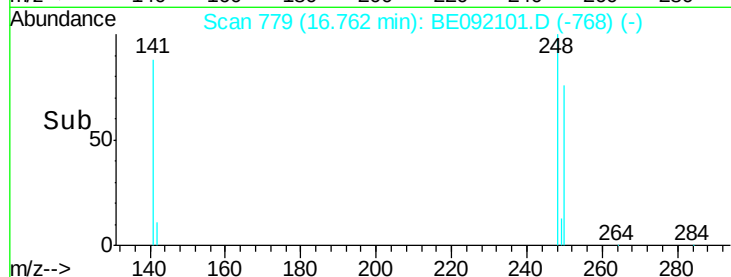
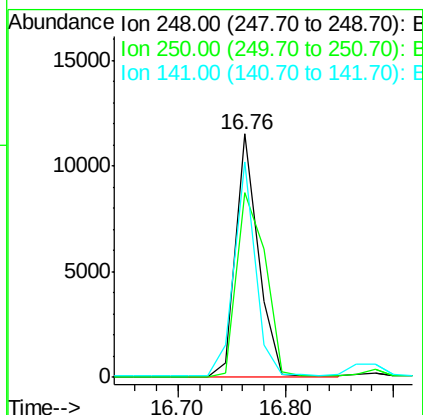
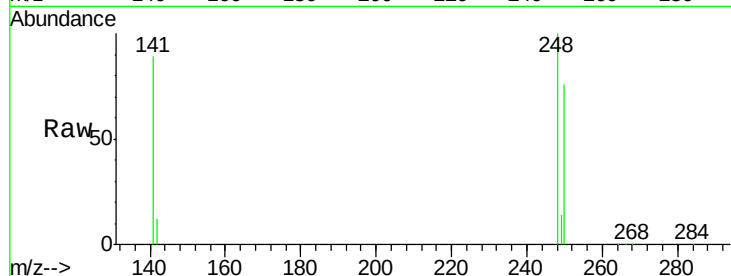




#25
4-Bromophenyl-phenylether
Concen: 3.84 ng
RT: 16.76 min Scan# 779
Delta R.T. -0.00 min
Lab File: BE092101.D
Acq: 1 Aug 2016 20:56

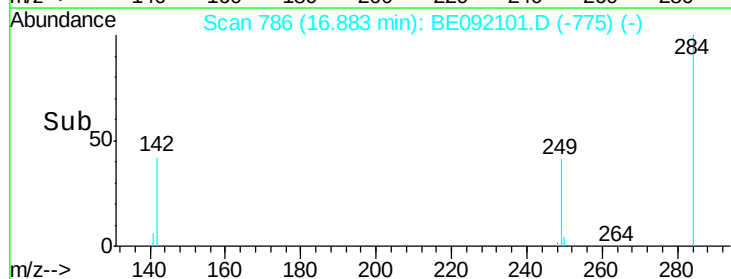
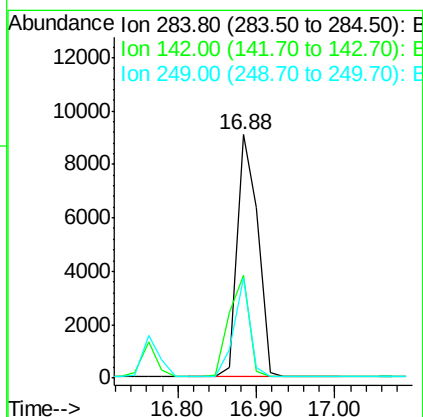
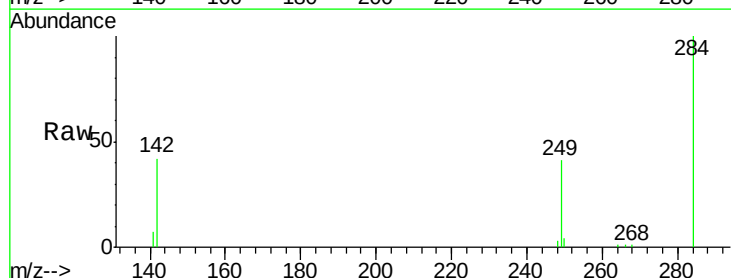
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MSD

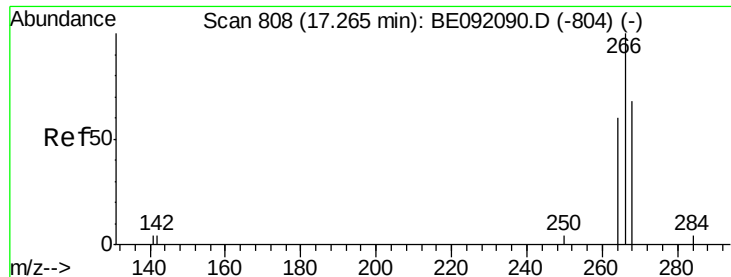
Tgt Ion:248 Resp: 16494
Ion Ratio Lower Upper
248 100
250 95.8 79.6 119.4
141 83.1 68.7 103.1



#26
Hexachlorobenzene
Concen: 3.87 ng
RT: 16.88 min Scan# 786
Delta R.T. -0.00 min
Lab File: BE092101.D
Acq: 1 Aug 2016 20:56

Tgt Ion:284 Resp: 16570
Ion Ratio Lower Upper
284 100
142 40.3 33.3 49.9
249 32.4 25.4 38.0





#27

Pentachlorophenol

Concen: 10.72 ng

RT: 17.23 min Scan# 806

Delta R.T. -0.04 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

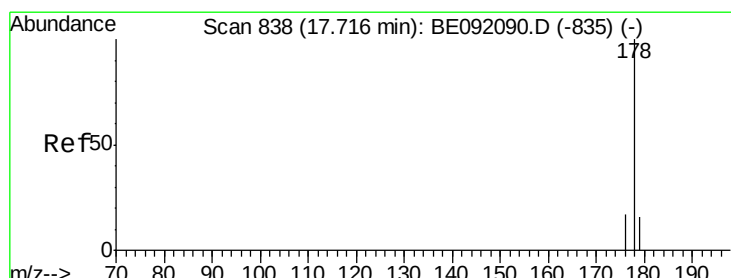
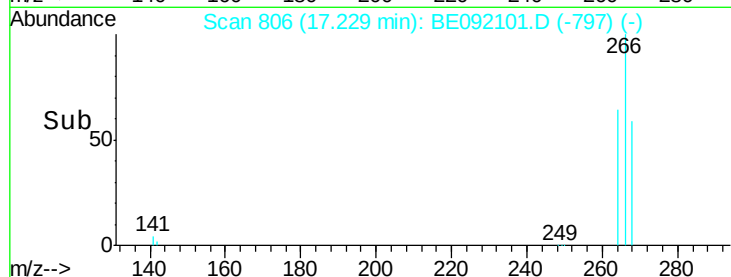
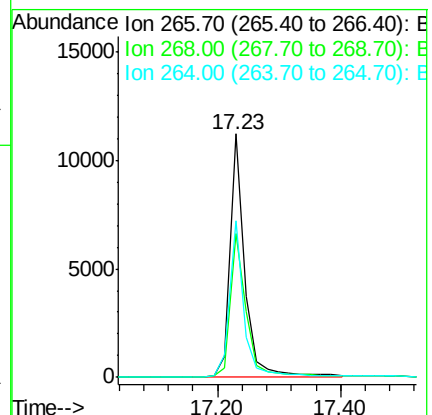
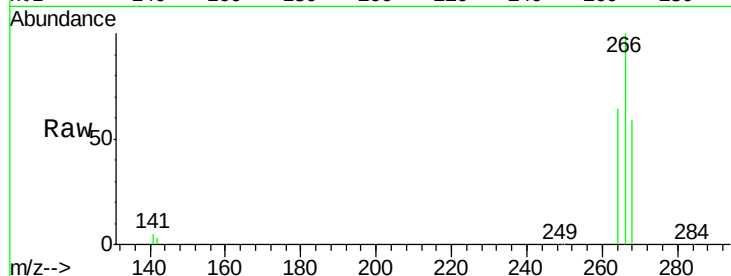
Tgt Ion:266 Resp: 18261

Ion Ratio Lower Upper

266 100

268 59.0 62.7 94.1#

264 64.5 63.5 95.3



#28

Phenanthrene

Concen: 4.05 ng

RT: 17.62 min Scan# 830

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

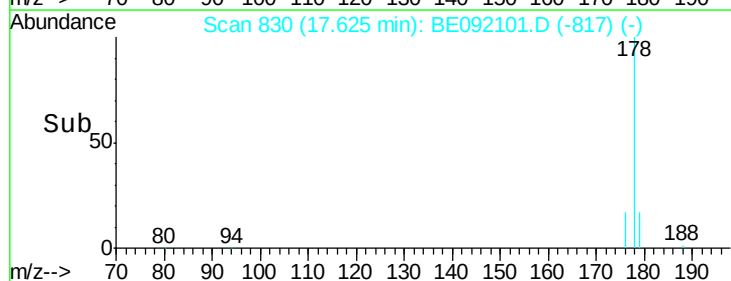
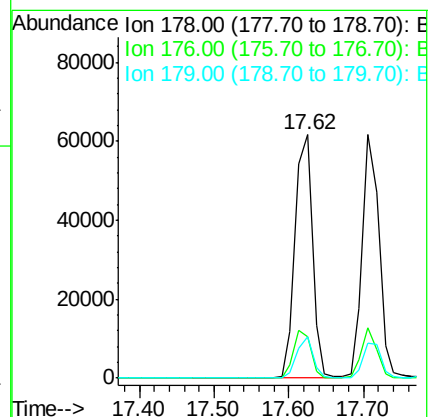
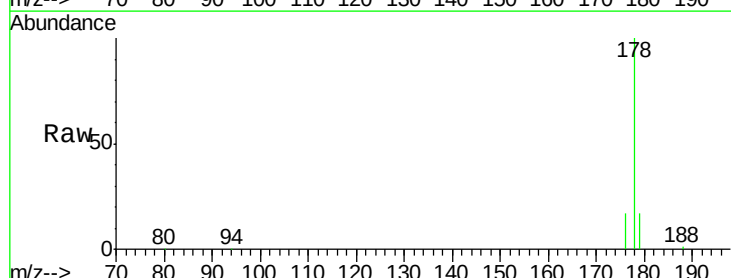
Tgt Ion:178 Resp: 123058

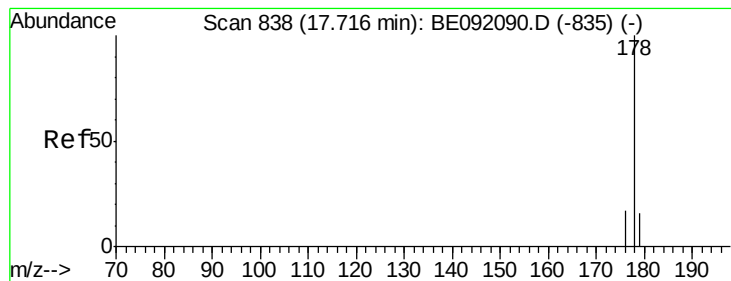
Ion Ratio Lower Upper

178 100

176 15.8 15.4 23.0

179 16.2 12.7 19.1





#29

Anthracene

Concen: 3.74 ng

RT: 17.71 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

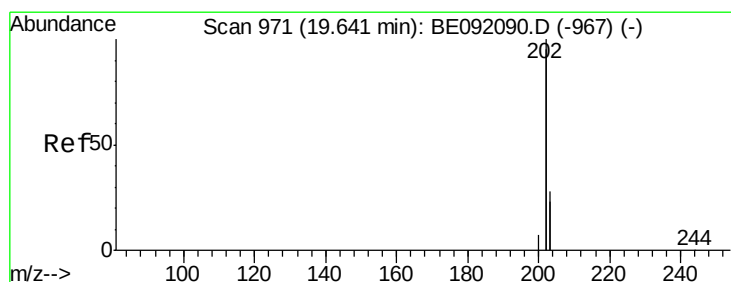
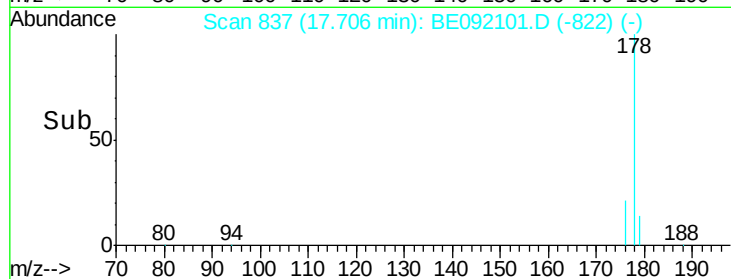
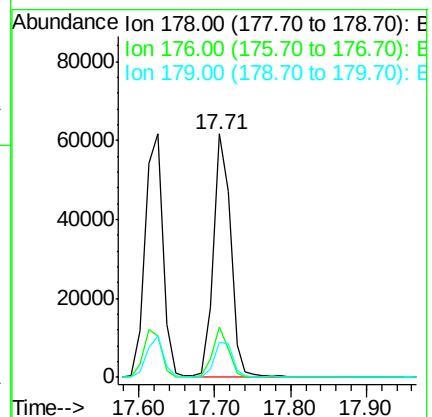
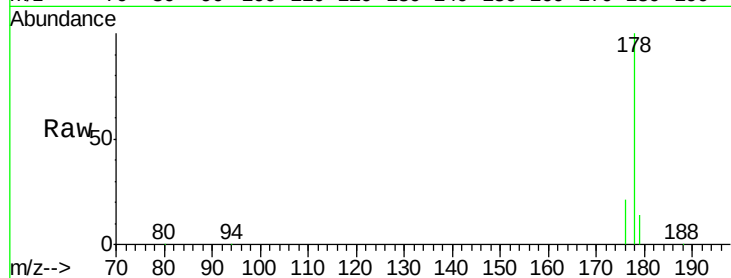
Tgt Ion:178 Resp: 95622

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

179 15.3 12.2 18.4



#30

Fluoranthene

Concen: 4.30 ng

RT: 19.61 min Scan# 969

Delta R.T. -0.03 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

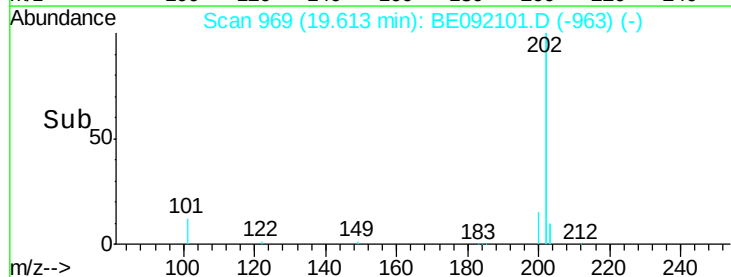
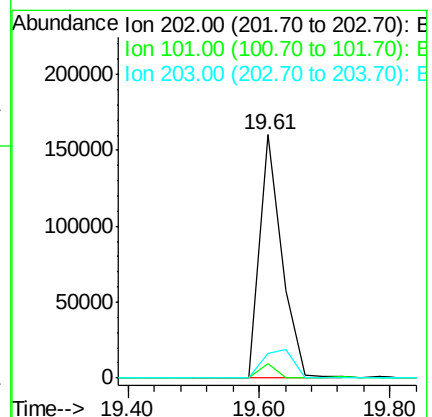
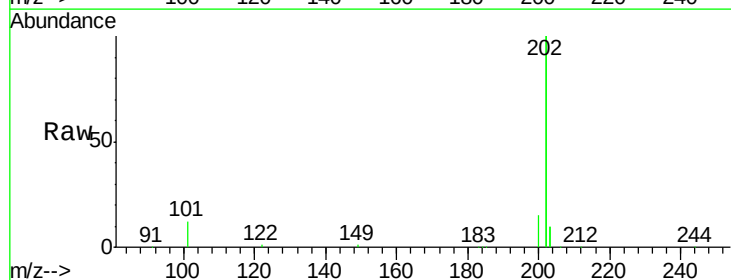
Tgt Ion:202 Resp: 378133

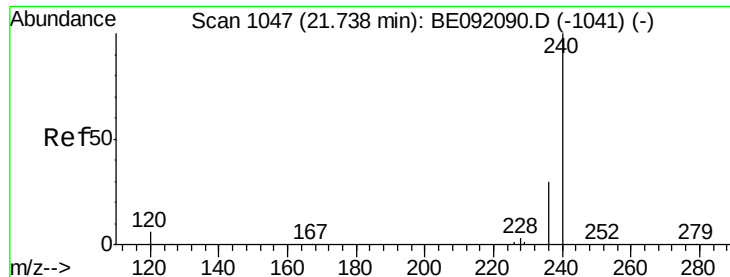
Ion Ratio Lower Upper

202 100

101 4.6 2.2 3.2#

203 0.0 13.0 19.4#





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.74 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

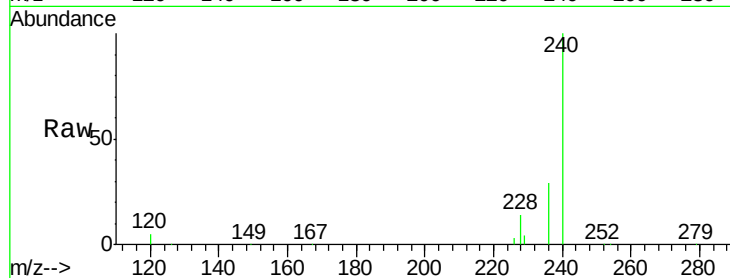
BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

Tgt Ion:240 Resp: 134117

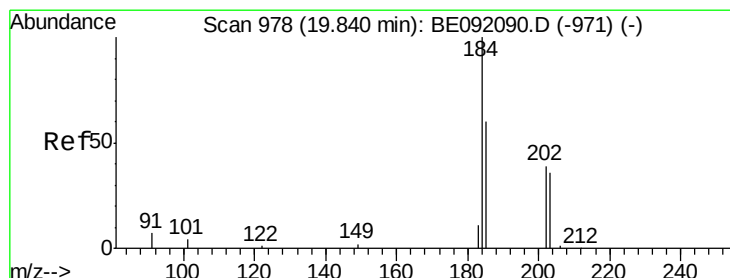
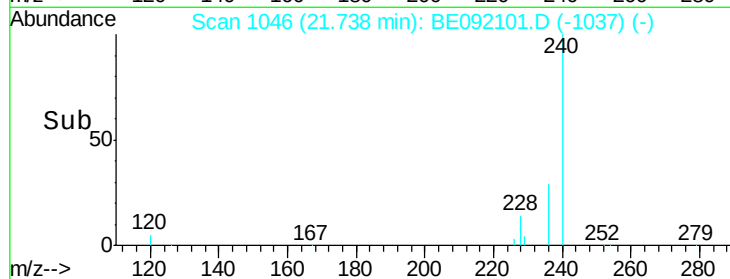
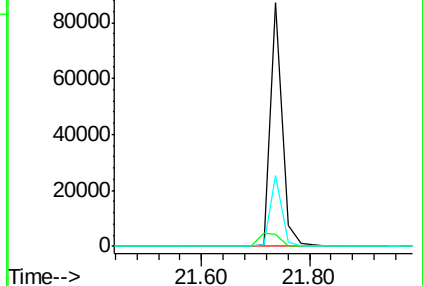
Ion	Ratio	Lower	Upper
240	100		
120	4.9	0.6	1.0#
236	29.0	18.2	27.4#



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: 0.64 ng

RT: 19.81 min Scan# 976

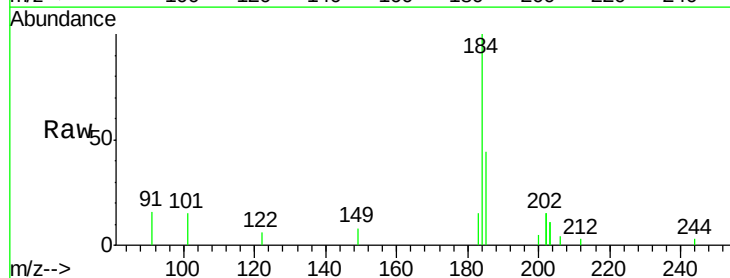
Delta R.T. -0.03 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Tgt Ion:184 Resp: 5052

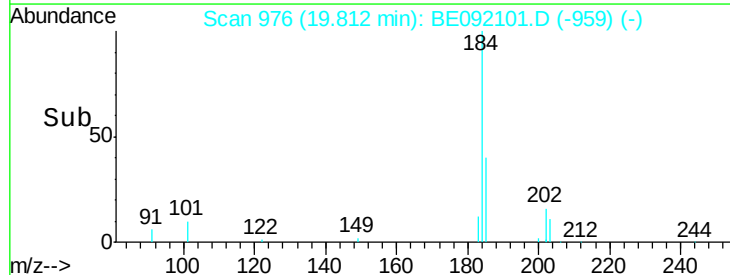
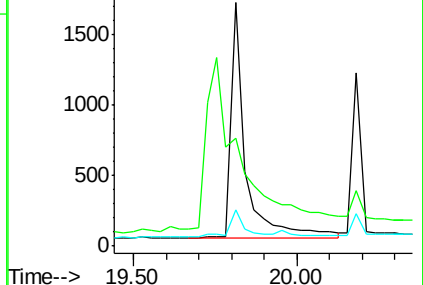
Ion	Ratio	Lower	Upper
184	100		
185	44.2	23.8	35.6#
183	14.8	20.7	31.1#

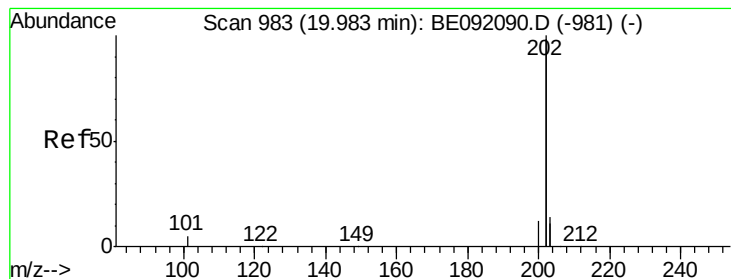


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 4.46 ng

RT: 19.98 min Scan# 982

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

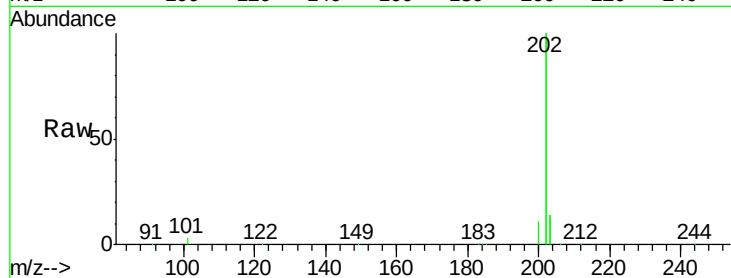
Tgt Ion:202 Resp: 679663

Ion Ratio Lower Upper

202 100

200 5.6 4.4 6.6

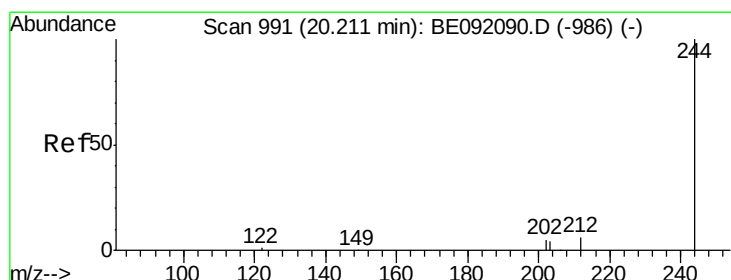
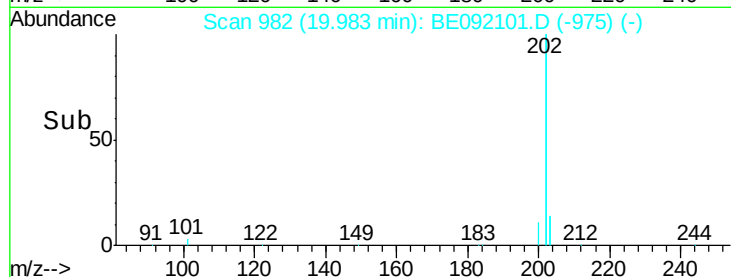
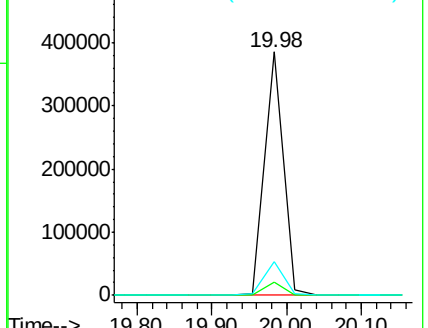
203 14.5 13.4 20.0



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: 4.02 ng

RT: 20.21 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

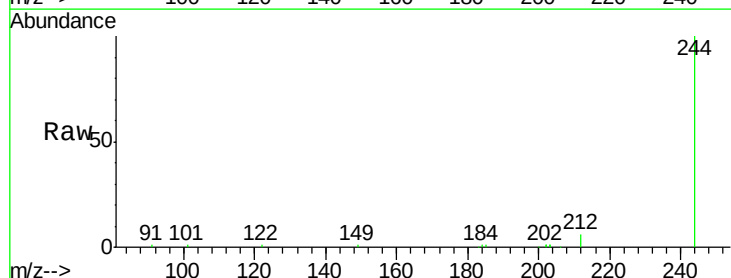
Tgt Ion:244 Resp: 51581

Ion Ratio Lower Upper

244 100

212 5.8 9.1 13.7#

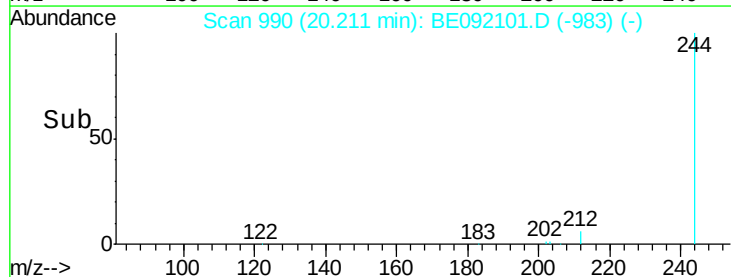
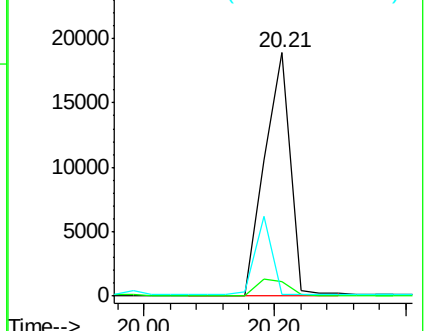
122 0.8 11.0 16.4#

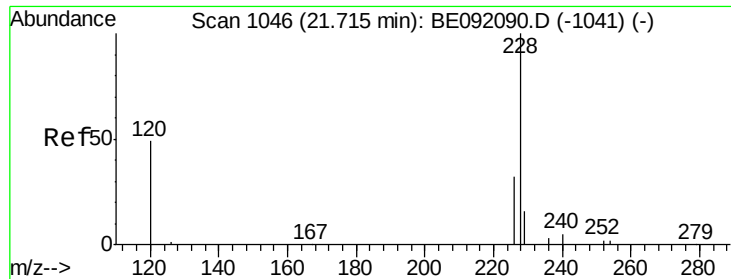


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

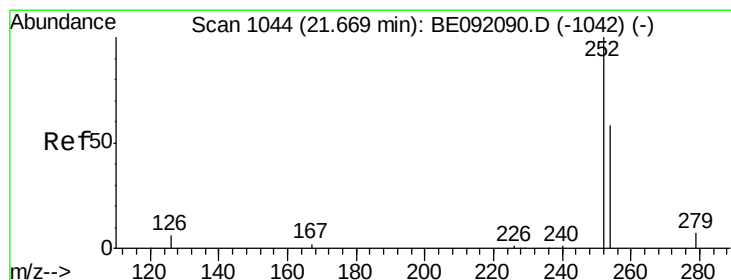
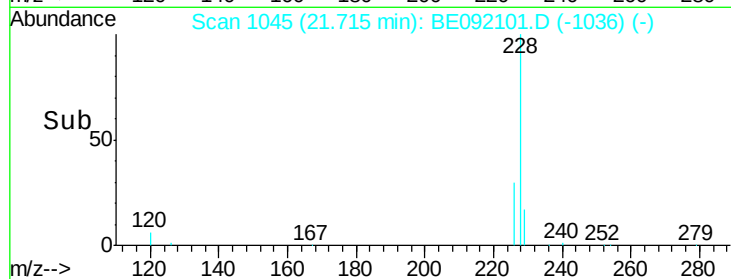
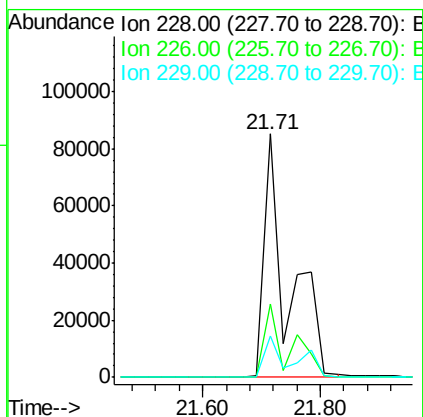
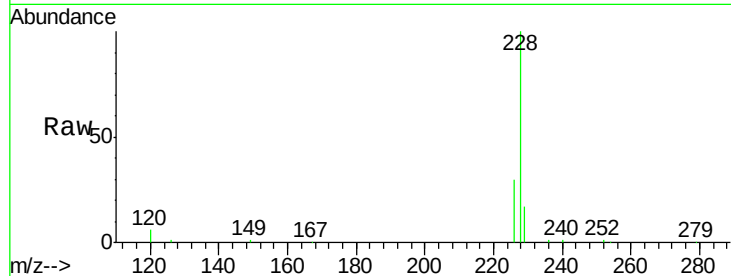




#35
Benzo(a)anthracene
Concen: 7.54 ng
RT: 21.71 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BE092101.D
Acq: 1 Aug 2016 20:56

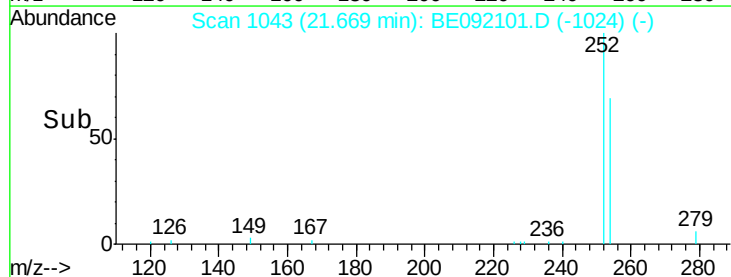
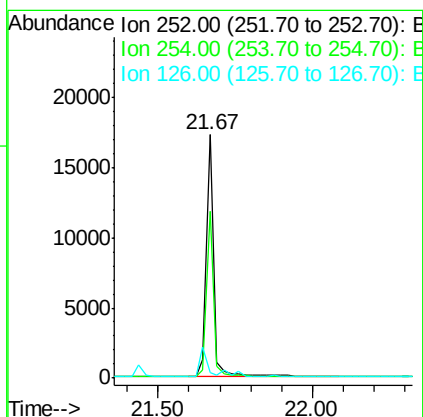
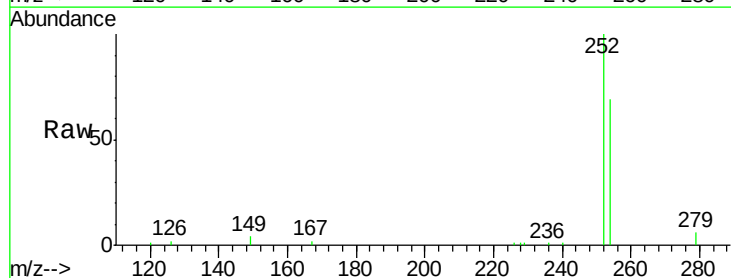
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MSD

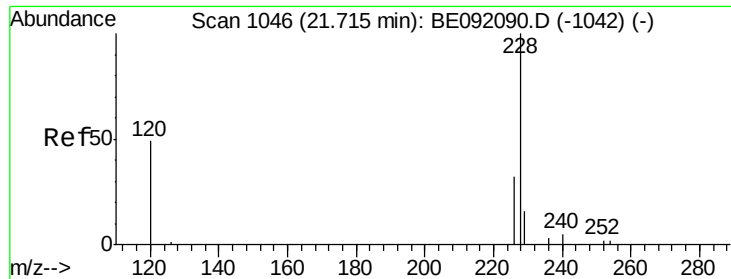
Tgt Ion:228 Resp: 238950
Ion Ratio Lower Upper
228 100
226 30.3 22.1 33.1
229 17.1 15.1 22.7



#36
3,3'-Dichlorobenzidine
Concen: 2.45 ng
RT: 21.67 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BE092101.D
Acq: 1 Aug 2016 20:56

Tgt Ion:252 Resp: 29574
Ion Ratio Lower Upper
252 100
254 68.7 44.2 66.2#
126 2.2 10.6 15.8#

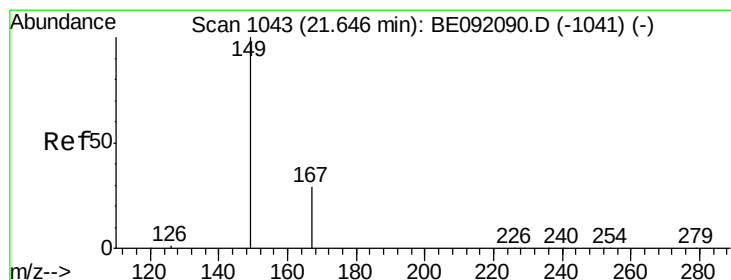
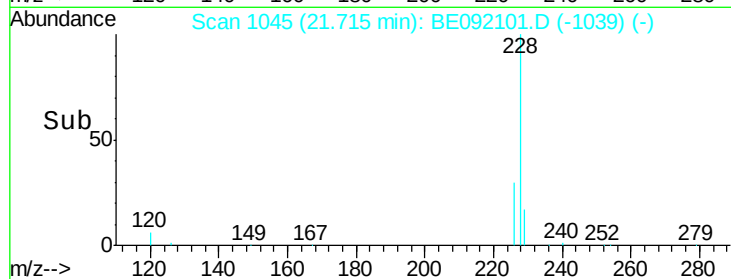
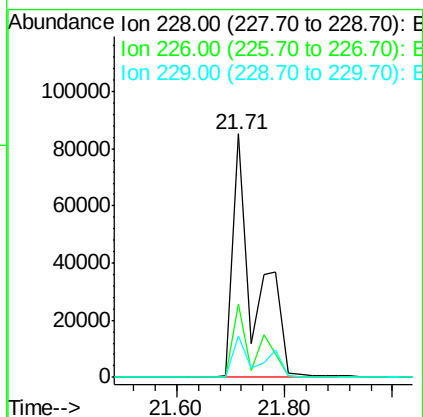
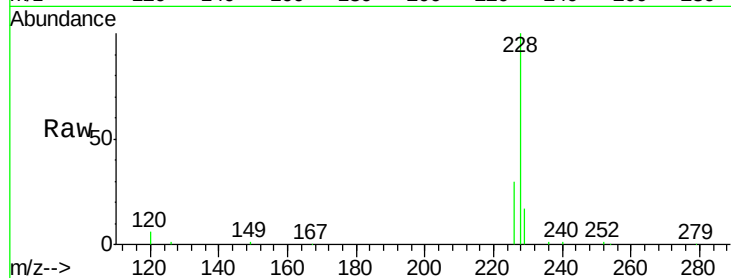




#37
Chrysene
 Concen: 7.54 ng
 RT: 21.71 min Scan# 1045
 Delta R.T. -0.07 min
 Lab File: BE092101.D
 Acq: 1 Aug 2016 20:56

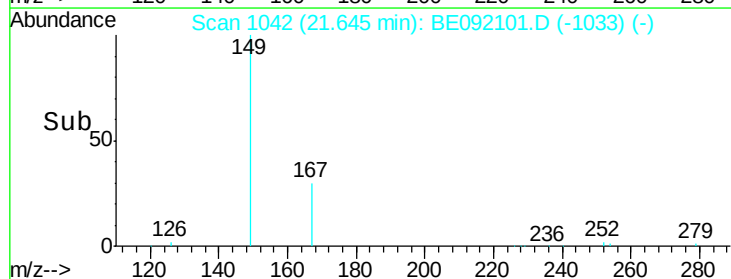
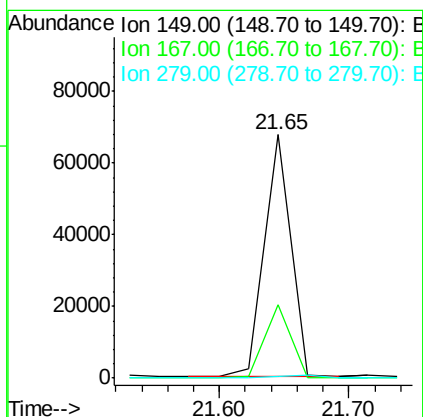
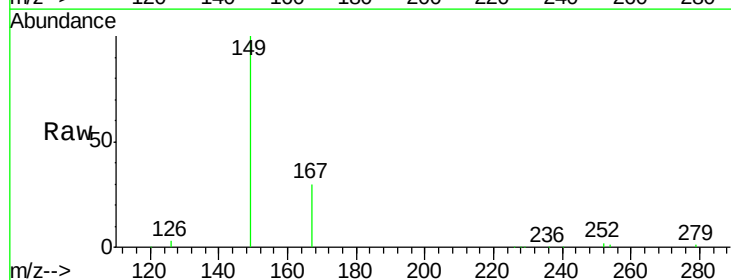
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

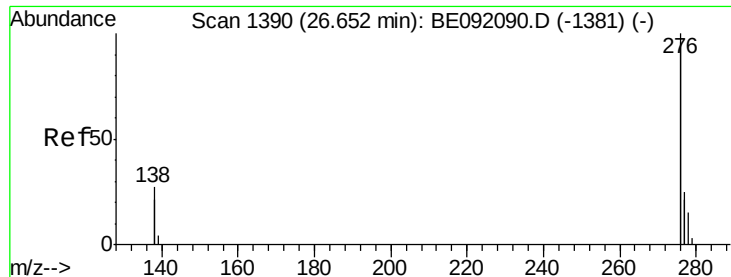
Tgt Ion:228 Resp: 240735
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.3 33.5
 229 17.1 16.9 25.3



#38
Bis(2-ethylhexyl)phthalate
 Concen: 3.72 ng
 RT: 21.65 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: BE092101.D
 Acq: 1 Aug 2016 20:56

Tgt Ion:149 Resp: 97271
 Ion Ratio Lower Upper
 149 100
 167 29.6 3.8 5.6#
 279 0.0 0.0 0.0





#39

Indeno(1,2,3-cd)pyrene

Concen: 4.03 ng

RT: 26.63 min Scan# 1387

Delta R.T. -0.02 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

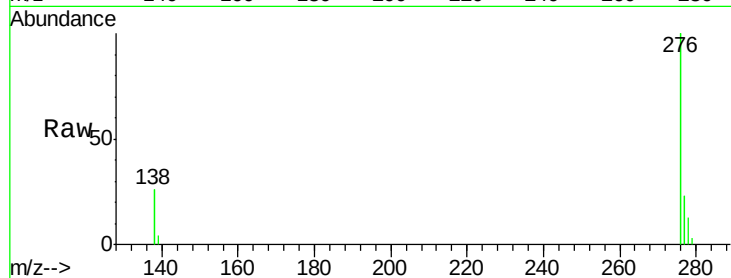
Tgt Ion:276 Resp: 573747

Ion Ratio Lower Upper

276 100

138 26.6 21.2 31.8

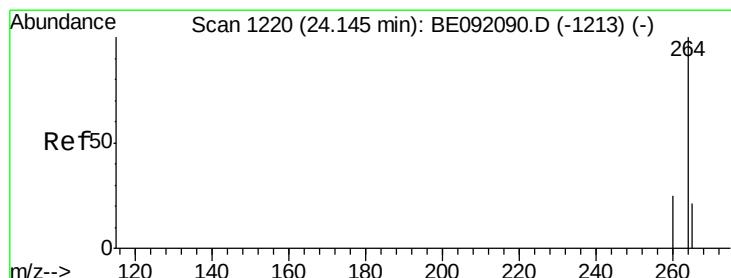
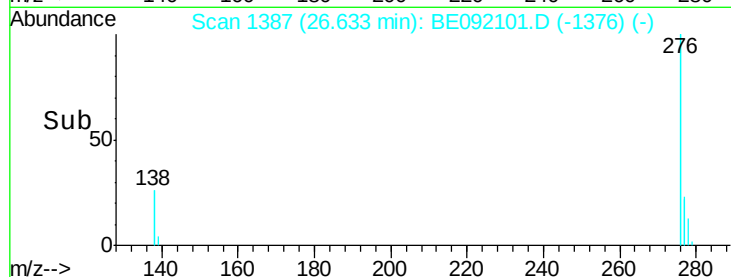
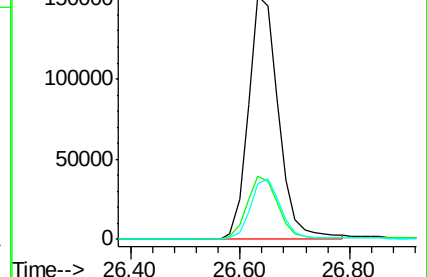
277 24.7 19.8 29.8



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: 24.14 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

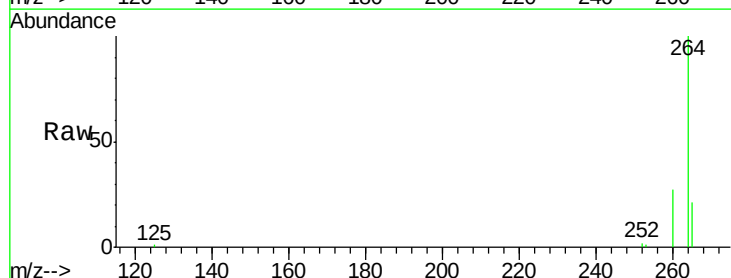
Tgt Ion:264 Resp: 122546

Ion Ratio Lower Upper

264 100

260 26.8 20.8 31.2

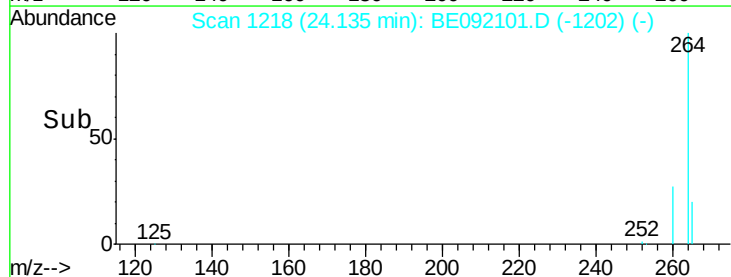
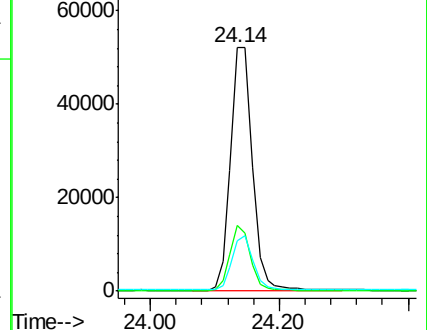
265 20.6 16.6 25.0

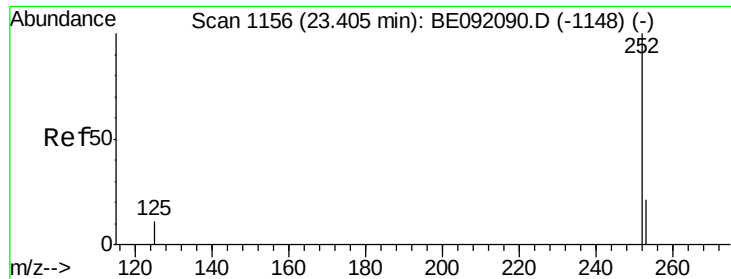


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 4.45 ng

RT: 23.41 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

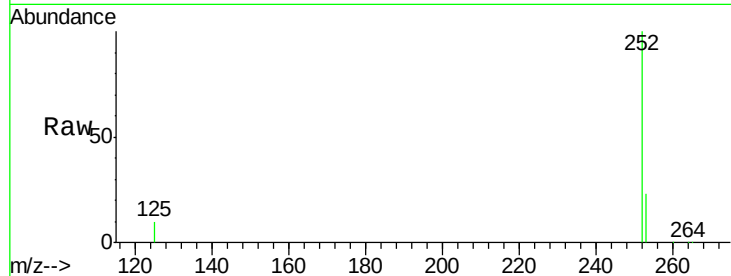
Tgt Ion:252 Resp: 139271

Ion Ratio Lower Upper

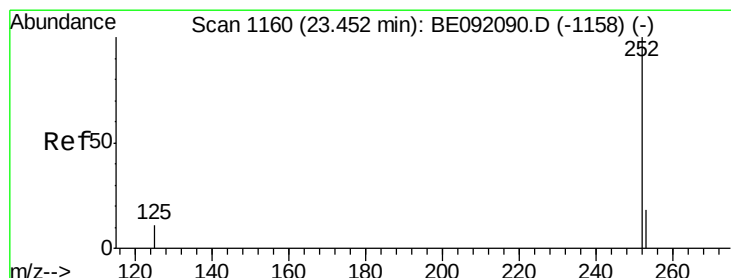
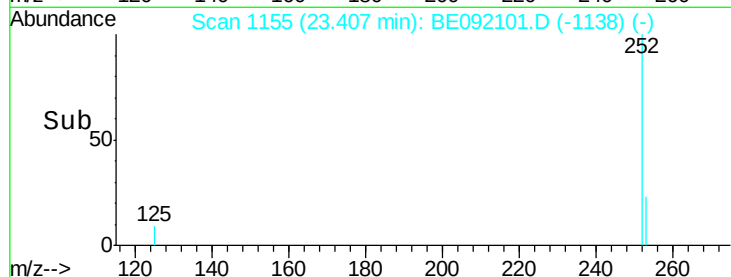
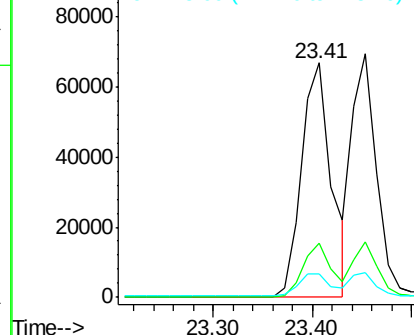
252 100

253 23.2 17.4 26.0

125 9.9 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: 3.44 ng

RT: 23.45 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

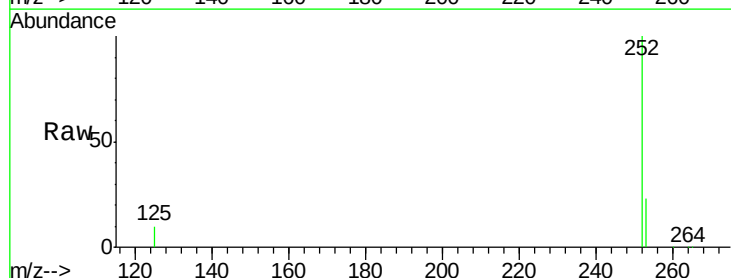
Tgt Ion:252 Resp: 119773

Ion Ratio Lower Upper

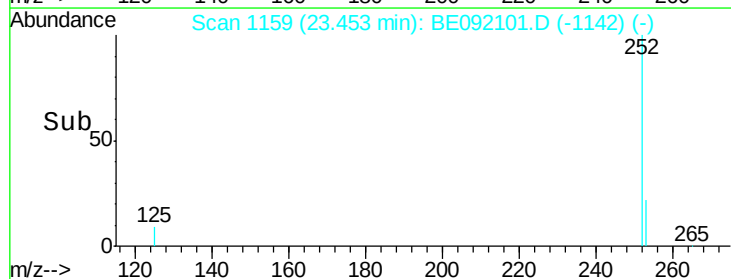
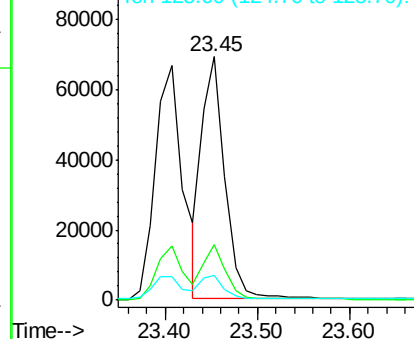
252 100

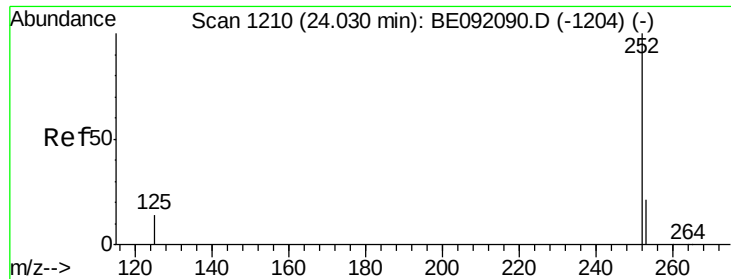
253 22.7 19.4 29.0

125 9.9 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: 4.00 ng

RT: 24.03 min Scan# 1209

Delta R.T. 0.00 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

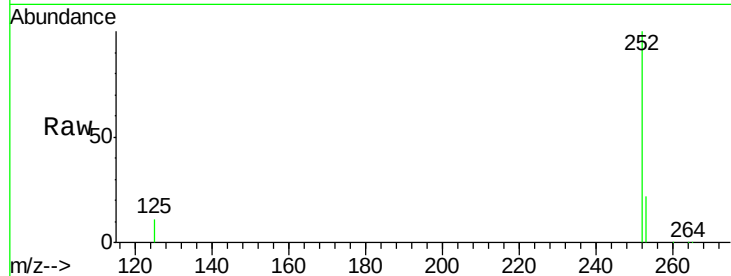
Tgt Ion: 252 Resp: 126311

Ion Ratio Lower Upper

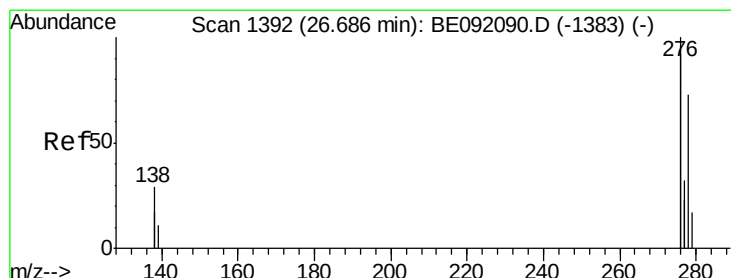
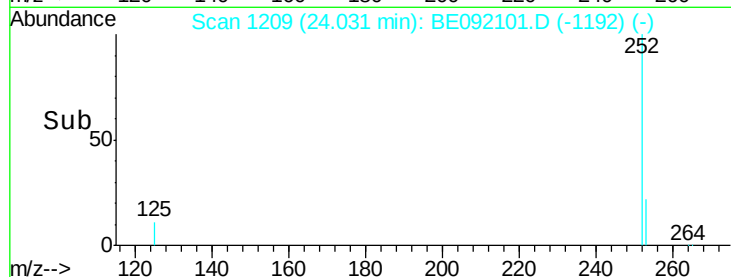
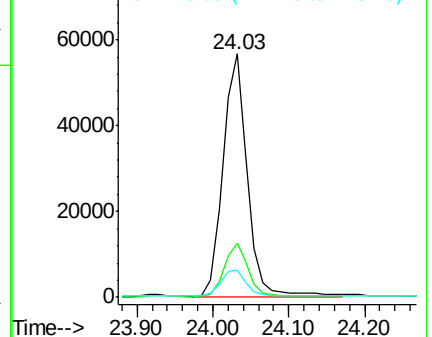
252 100

253 22.4 19.8 29.8

125 11.3 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: 3.99 ng

RT: 26.67 min Scan# 1389

Delta R.T. -0.02 min

Lab File: BE092101.D

Acq: 1 Aug 2016 20:56

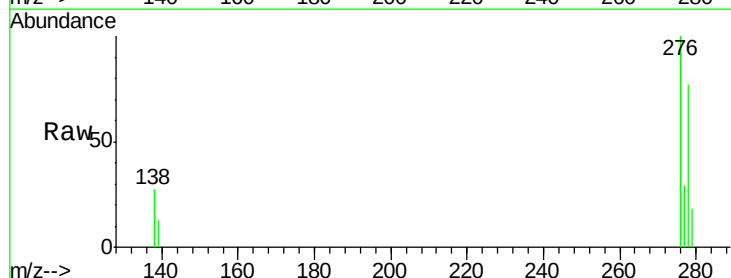
Tgt Ion: 278 Resp: 116941

Ion Ratio Lower Upper

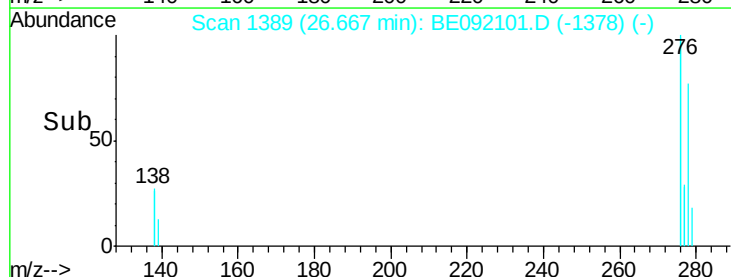
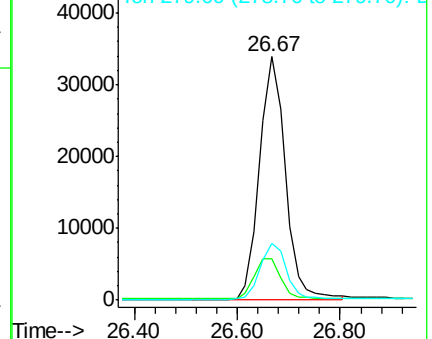
278 100

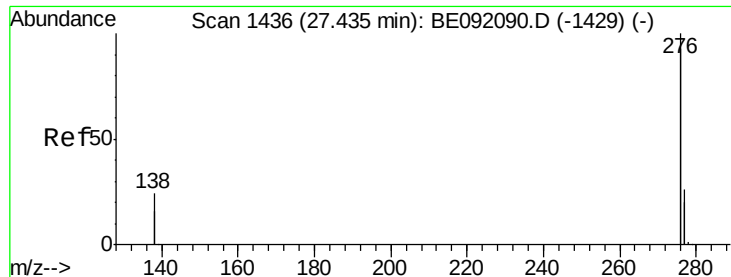
139 17.1 16.7 25.1

279 23.5 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: 3.97 ng

RT: 27.42 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BE092101.D

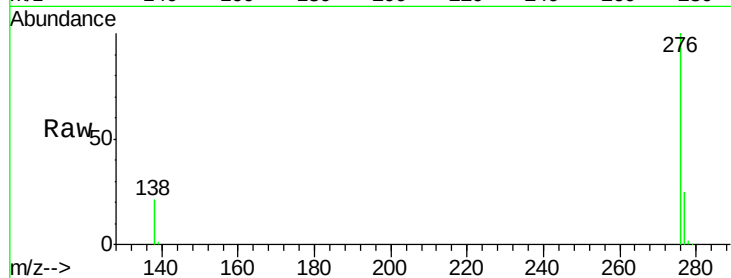
Acq: 1 Aug 2016 20:56

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD



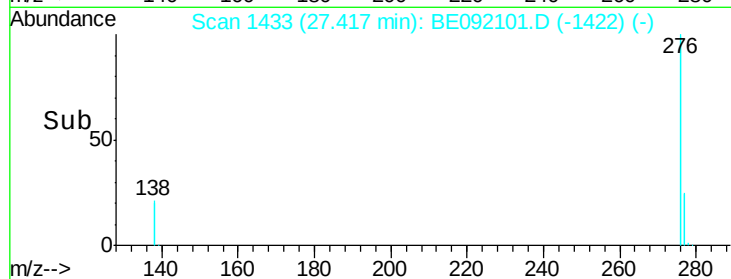
Tgt Ion: 276 Resp: 490402

Ion Ratio Lower Upper

276 100

277 24.7 19.5 29.3

138 20.8 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

