

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092035.D
 Acq On : 23 Jul 2016 9:33
 Operator : UM/SJ
 Sample : H4107-01MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jul 25 01:48:04 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 22 15:39:27 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	29325	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	143775	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	86155	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	190111	5.00	ng	0.00
31) Chrysene-d12	21.76	240	218503	5.00	ng	0.00
40) Perylene-d12	24.16	264	203894	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.72	112	56564	9.95	ng	0.00
5) Phenol-d6	7.35	99	82626	8.17	ng	-0.02
9) Nitrobenzene-d5	9.37	82	43423	5.02	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	22736	7.61	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	98564	4.35	ng	-0.01
34) Terphenyl-d14	20.20	244	127961	5.83	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.47	88	10271	2.59	ng	# 83
3) n-Nitrosodimethylamine	3.80	42	20378	3.80	ng	# 89
6) bis(2-Chloroethyl)ether	7.61	93	34406	4.08	ng	98
7) n-Nitroso-di-n-propylamine	9.00	70	30596	4.25	ng	# 98
10) Nitrobenzene	9.40	77	43206	3.72	ng	# 99
11) bis(2-Chloroethoxy)methane	10.40	93	47126	4.35	ng	# 18
12) Naphthalene	11.04	128	118360	3.62	ng	98
13) Hexachlorobutadiene	11.34	225	16325	3.49	ng	98
14) 2-Methylnaphthalene	12.66	142	81893	4.00	ng	98
18) Acenaphthylene	14.56	152	612571	4.62	ng	# 72
19) 2,6-Dinitrotoluene	14.44	165	101522	4.10	ng	# 10
20) Acenaphthene	14.92	154	77529	3.45	ng	# 1
21) 2,4-Dinitrotoluene	15.22	165	137766	4.11	ng	# 1
22) Fluorene	15.90	166	106490	3.97	ng	99
23) 4-Chlorophenyl-phenylether	15.90	204	48819	3.67	ng	96
25) 4-Bromophenyl-phenylether	16.78	248	30932	3.91	ng	96
26) Hexachlorobenzene	16.90	284	30673	3.76	ng	98
27) Pentachlorophenol	17.25	266	29258	6.90	ng	92
28) Phenanthrene	17.63	178	184999	3.77	ng	99
29) Anthracene	17.72	178	179983	4.04	ng	100
30) Fluoranthene	19.63	202	850512	4.33	ng	# 89
32) Benzidine	19.83	184	12236	1.30	ng	# 89
33) Pyrene	19.99	202	993840	6.27	ng	# 80
35) Benzo(a)anthracene	21.73	228	553590	11.24	ng	98
36) 3,3'-Dichlorobenzidine	21.67	252	70388	4.90	ng	# 79
37) Chrysene	21.73	228	556613	9.28	ng	91
38) Bis(2-ethylhexyl)phthalate	21.64	149	706730	16.37	ng	# 100
39) Indeno(1,2,3-cd)pyrene	26.67	276	942759	5.72	ng	98
41) Benzo(b)fluoranthene	23.42	252	235816	4.41	ng	96
42) Benzo(k)fluoranthene	23.47	252	192299	3.53	ng	98
43) Benzo(a)pyrene	24.05	252	207849	4.17	ng	96
44) Dibenzo(a,h)anthracene	26.68	278	193840	4.36	ng	96
45) Benzo(g,h,i)perylene	27.43	276	800352	4.40	ng	97

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QLast Update : Fri Jul 22 15:39:27 2016
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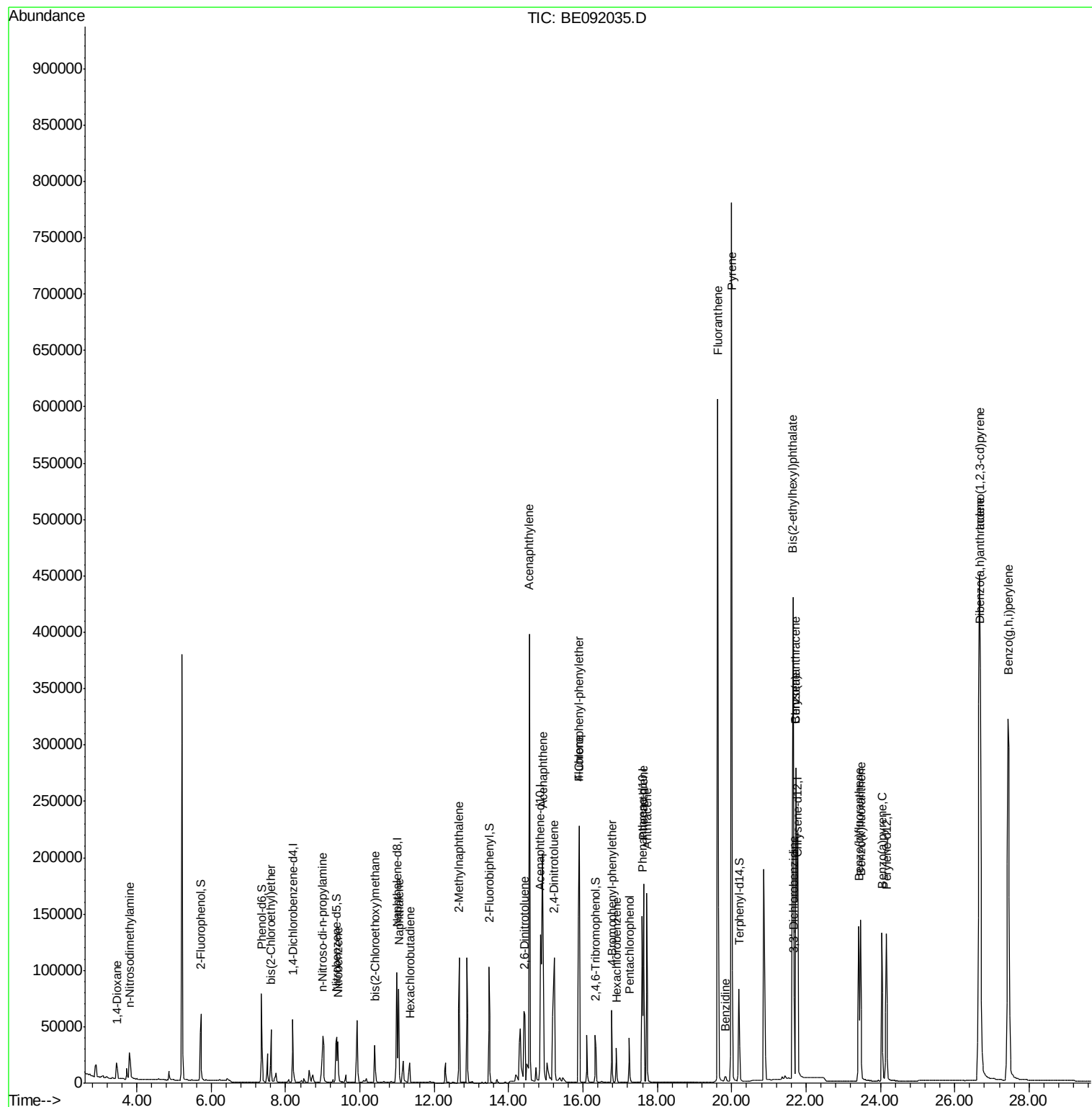
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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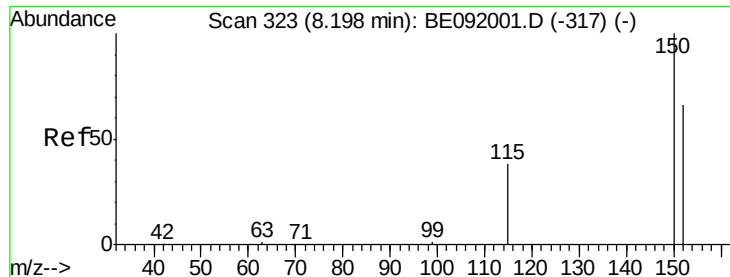
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.20 min Scan# 323

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

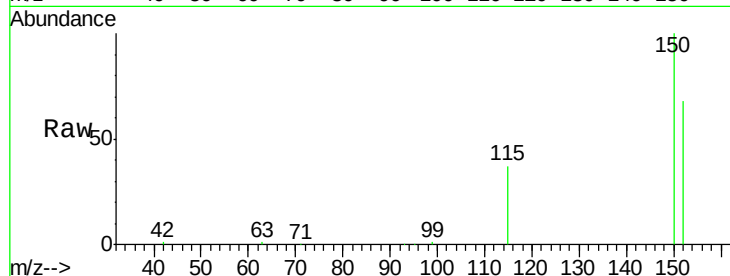
Tgt Ion:152 Resp: 29325

Ion Ratio Lower Upper

152 100

150 147.3 123.9 185.9

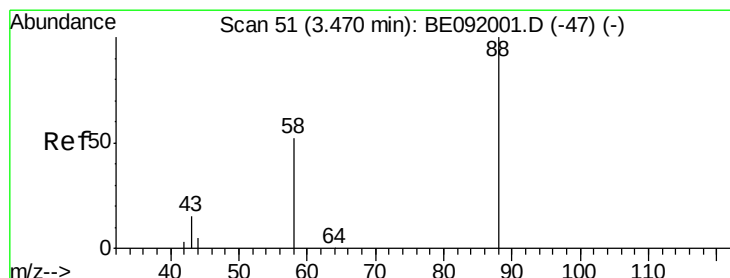
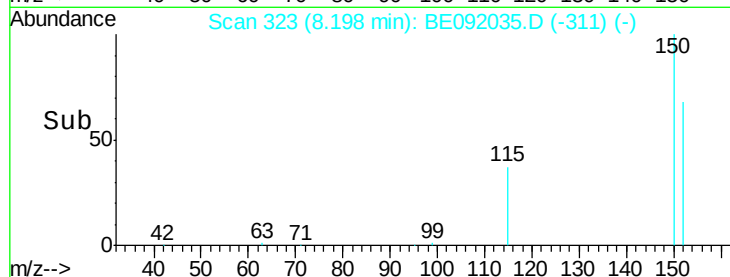
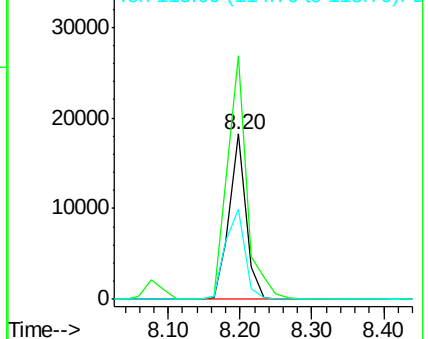
115 54.3 48.3 72.5



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: 2.59 ng

RT: 3.47 min Scan# 51

Delta R.T. 0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

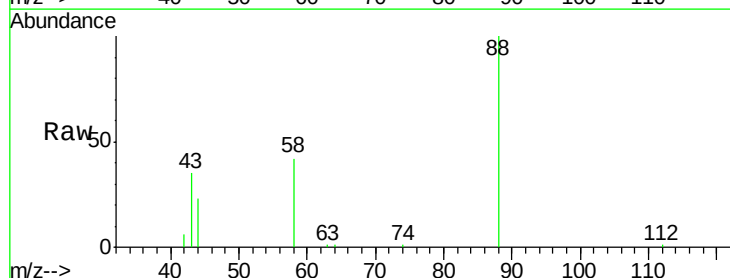
Tgt Ion: 88 Resp: 10271

Ion Ratio Lower Upper

88 100

58 95.3 63.0 94.4#

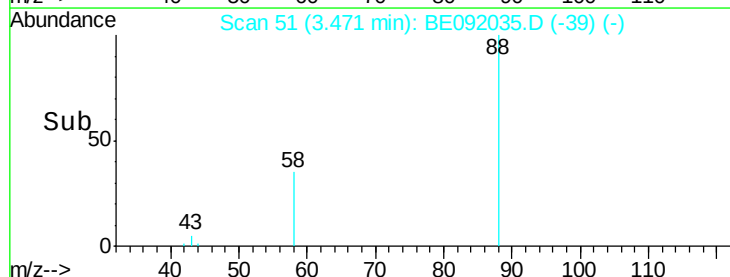
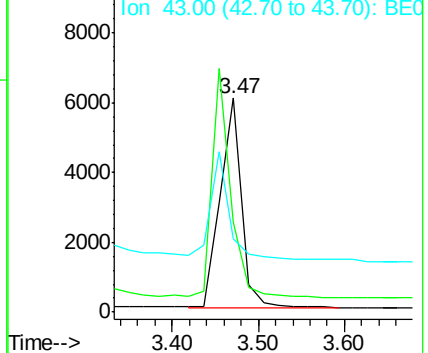
43 44.0 29.1 43.7#

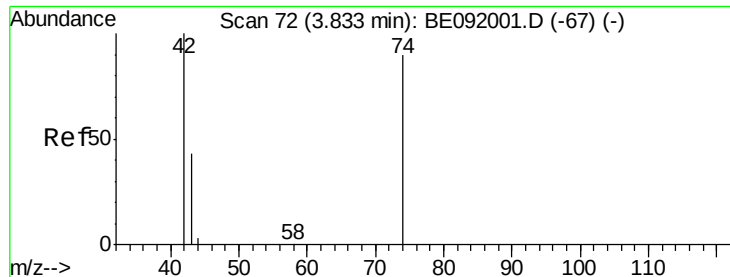


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 3.80 ng

RT: 3.80 min Scan# 70

Delta R.T. -0.03 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

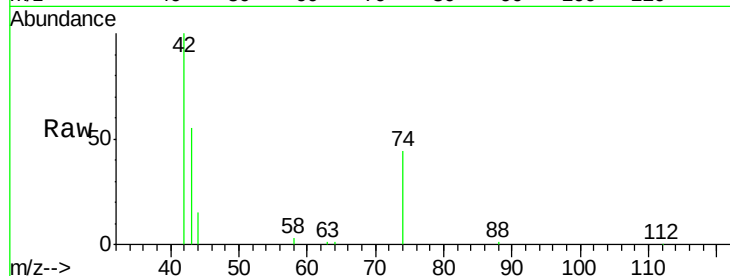
Tgt Ion: 42 Resp: 20378

Ion Ratio Lower Upper

42 100

74 104.4 93.4 140.0

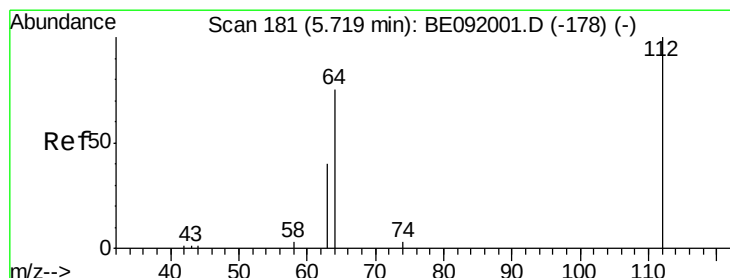
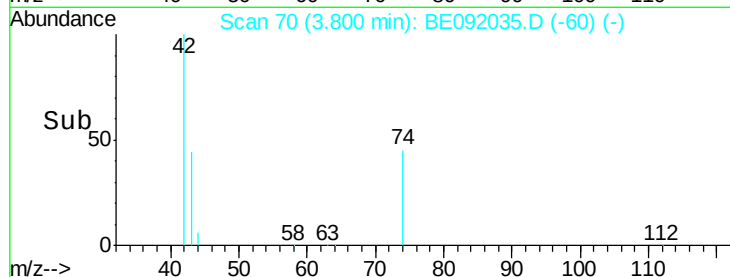
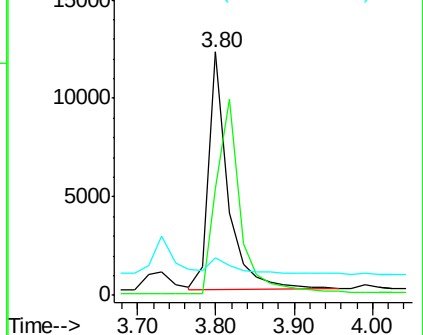
44 8.3 5.0 7.6#



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: 9.95 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

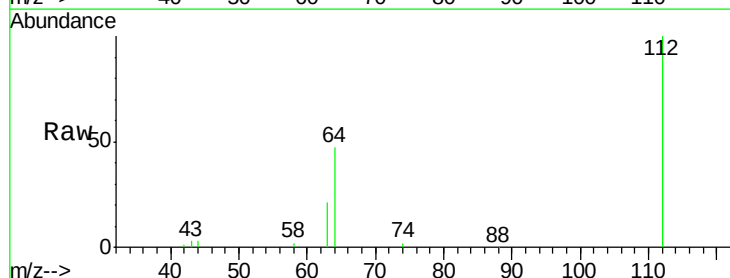
Tgt Ion: 112 Resp: 56564

Ion Ratio Lower Upper

112 100

64 67.7 53.7 80.5

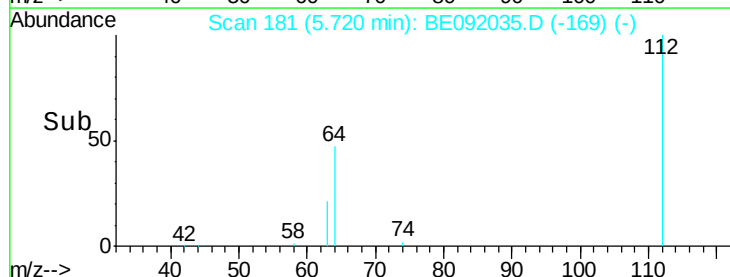
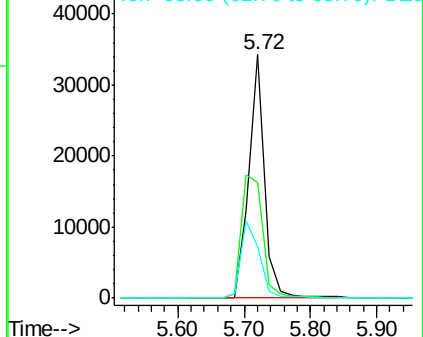
63 36.7 29.5 44.3

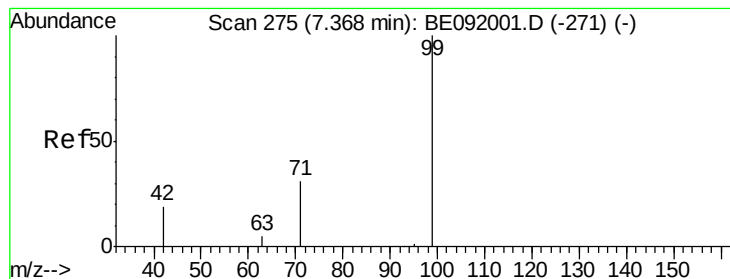


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 8.17 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

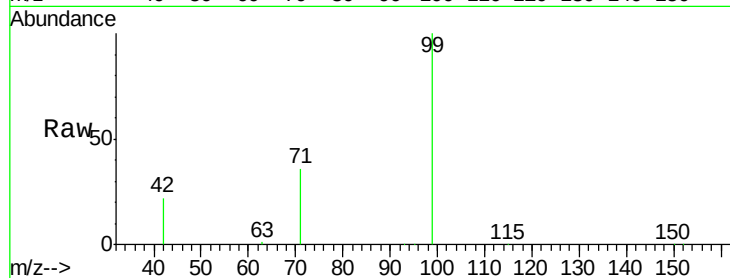
Tgt Ion: 99 Resp: 82626

Ion Ratio Lower Upper

99 100

42 25.9 19.6 29.4

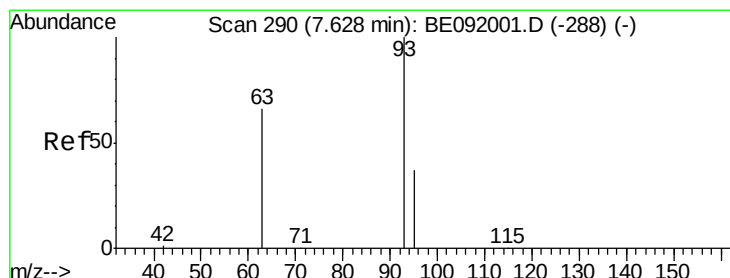
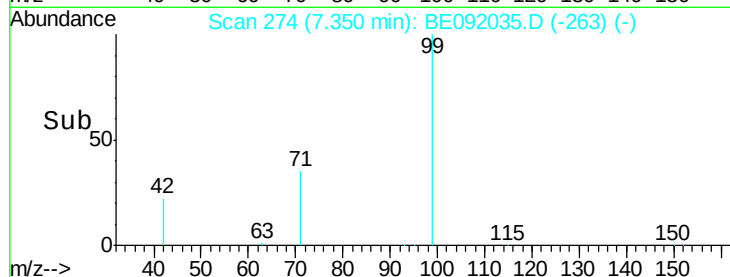
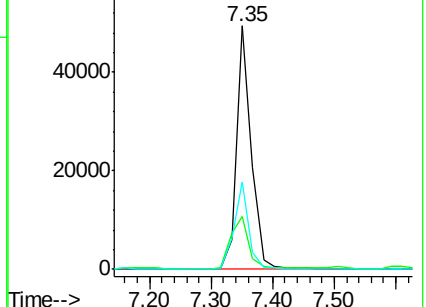
71 35.5 28.1 42.1



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: 4.08 ng

RT: 7.61 min Scan# 289

Delta R.T. -0.02 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

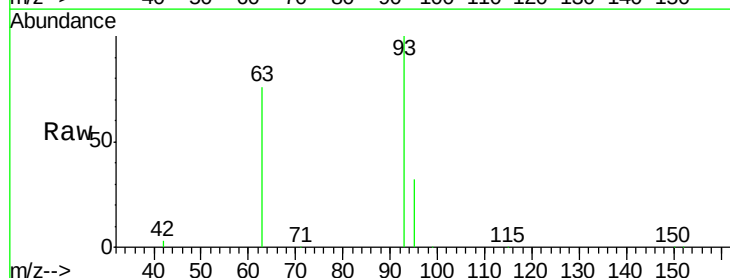
Tgt Ion: 93 Resp: 34406

Ion Ratio Lower Upper

93 100

63 84.6 66.2 99.4

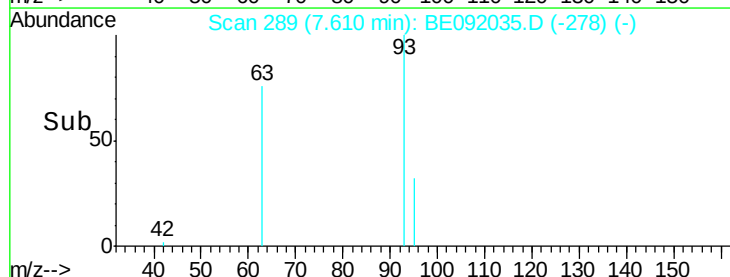
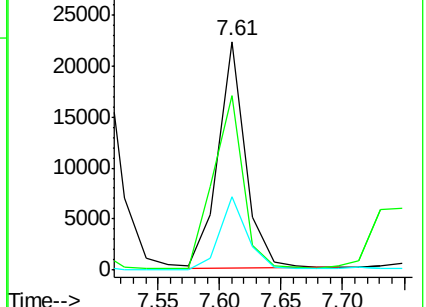
95 32.4 25.5 38.3

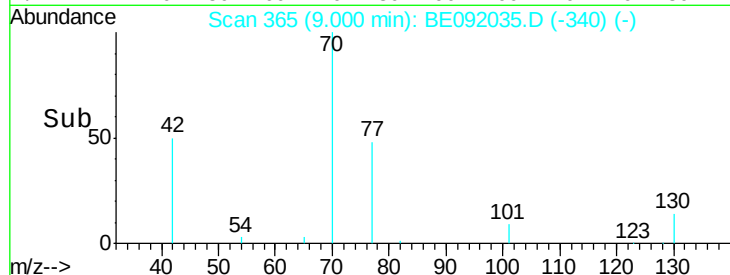
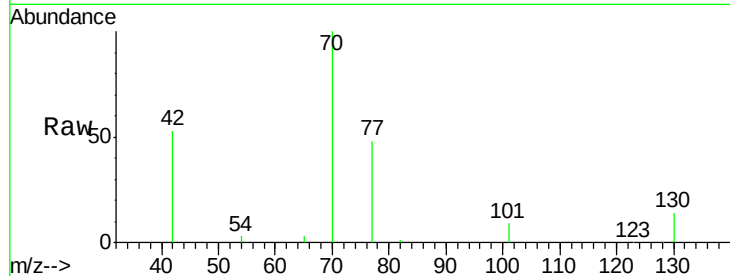
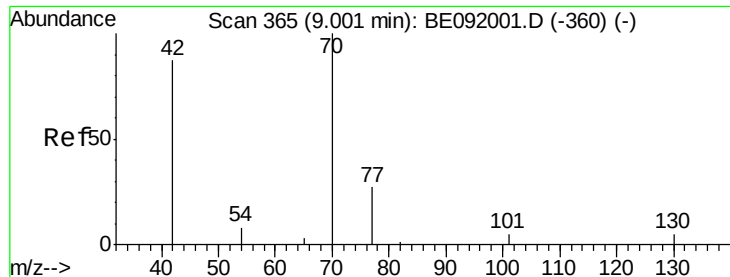


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 4.25 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

Tgt Ion: 70 Resp: 30596

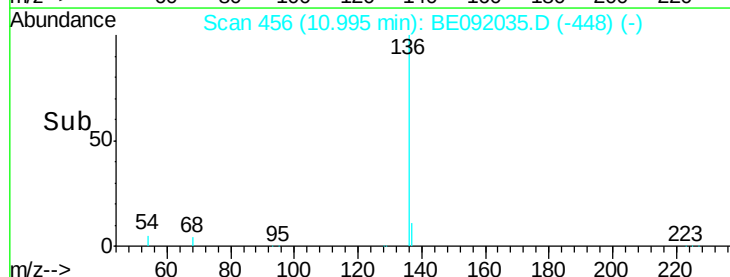
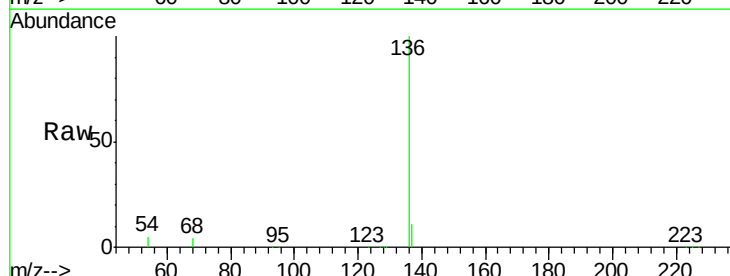
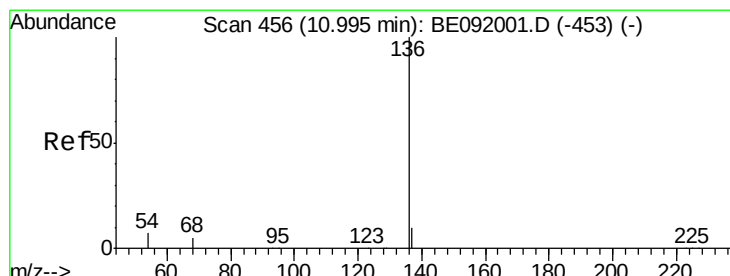
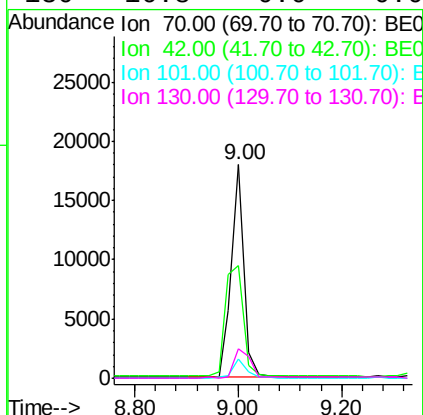
Ion Ratio Lower Upper

70 100

42 74.7 58.4 87.6

101 8.6 6.4 9.6

130 16.8 0.0 0.0#



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Tgt Ion: 136 Resp: 143775

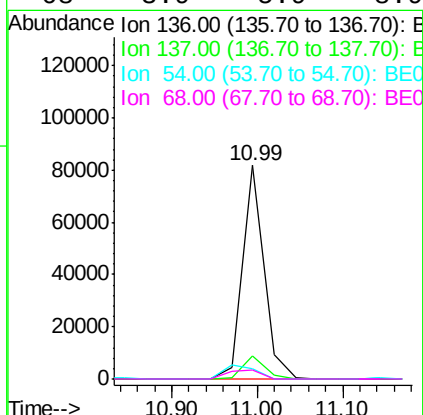
Ion Ratio Lower Upper

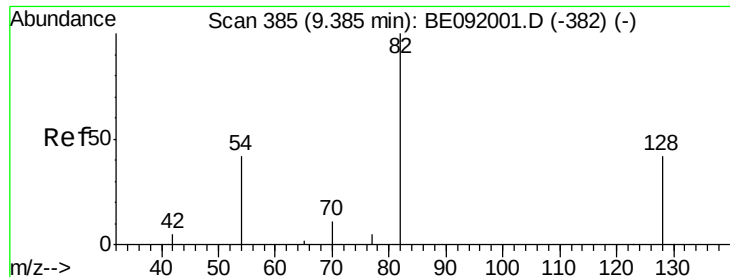
136 100

137 10.7 8.3 12.5

54 4.9 8.2 12.4#

68 3.9 5.9 8.9#





#9

Nitrobenzene-d5

Concen: 5.02 ng

RT: 9.37 min Scan# 384

Delta R.T. -0.02 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

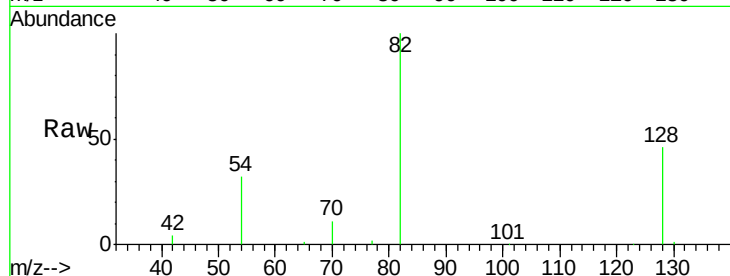
Tgt Ion: 82 Resp: 43423

Ion Ratio Lower Upper

82 100

128 46.3 39.5 59.3

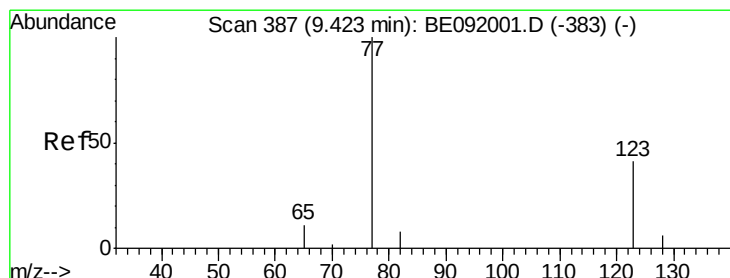
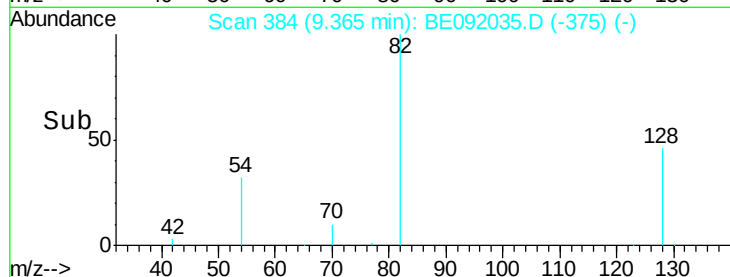
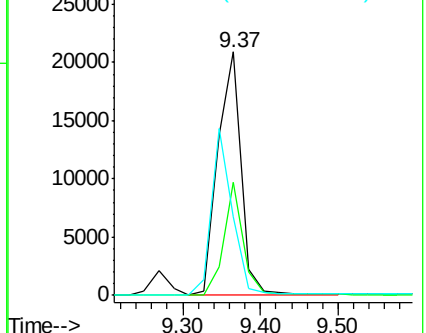
54 32.3 30.3 45.5



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: 3.72 ng

RT: 9.40 min Scan# 386

Delta R.T. -0.02 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

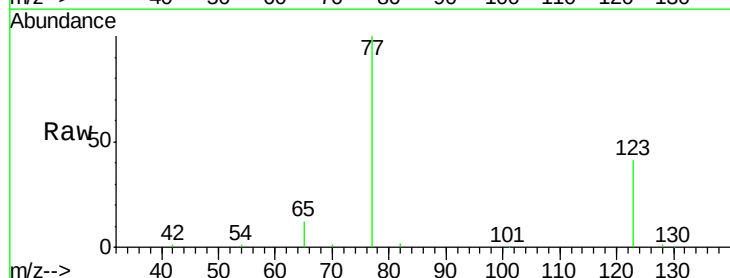
Tgt Ion: 77 Resp: 43206

Ion Ratio Lower Upper

77 100

123 38.8 0.0 0.0#

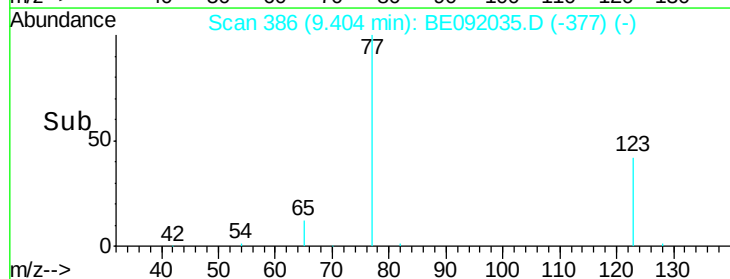
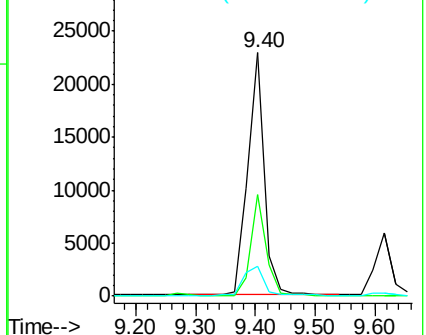
65 14.4 11.1 16.7

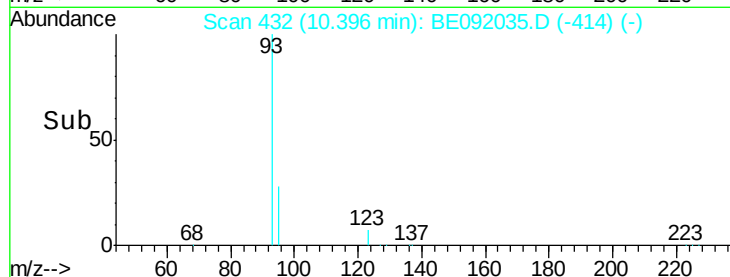
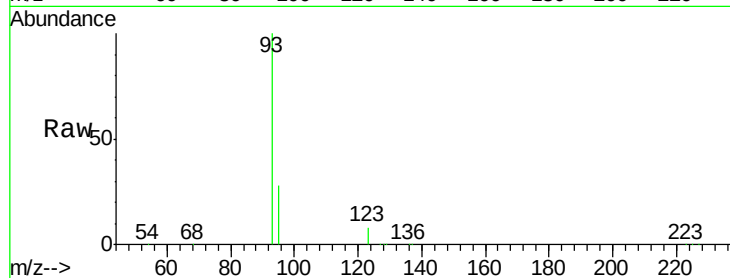
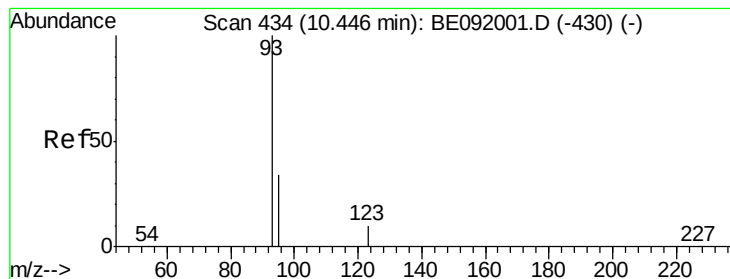


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0

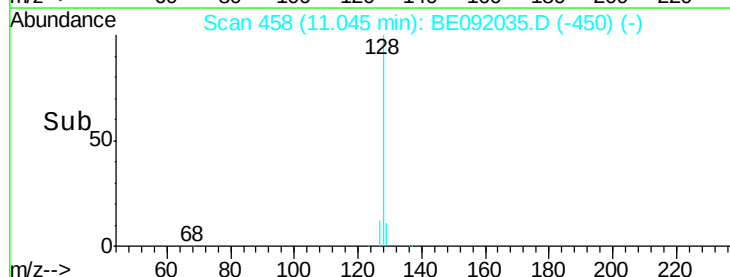
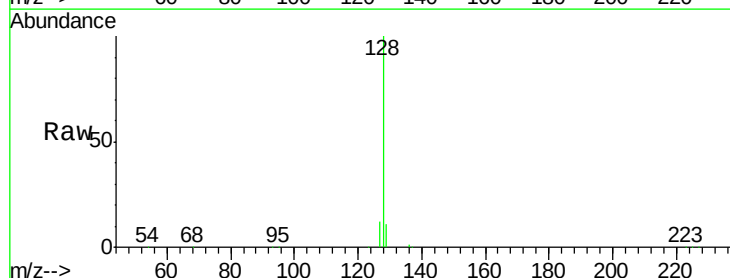
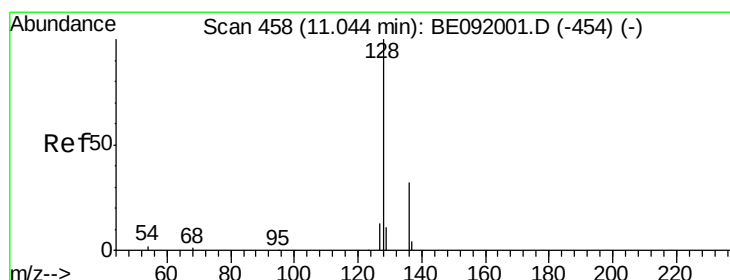
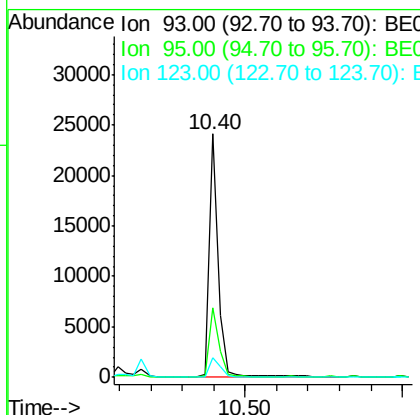




#11
bis(2-Chloroethoxy)methane
Concen: 4.35 ng
RT: 10.40 min Scan# 432
Delta R.T. -0.05 min
Lab File: BE092035.D
Acq: 23 Jul 2016 9:33

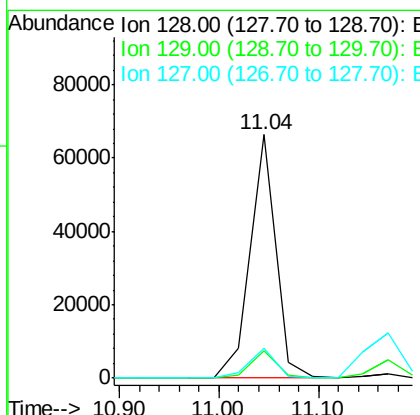
Instrument :
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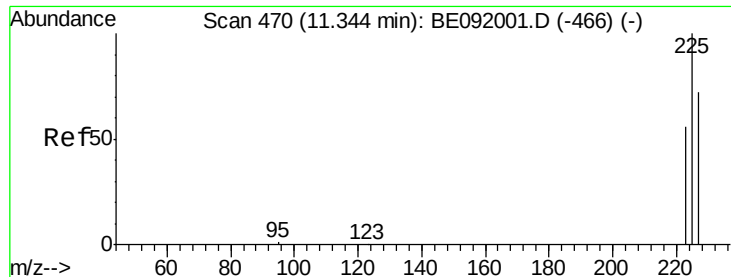
Tgt Ion: 93 Resp: 47126
Ion Ratio Lower Upper
93 100
95 31.3 57.6 86.4#
123 9.5 100.2 150.4#



#12
Naphthalene
Concen: 3.62 ng
RT: 11.04 min Scan# 458
Delta R.T. 0.00 min
Lab File: BE092035.D
Acq: 23 Jul 2016 9:33

Tgt Ion: 128 Resp: 118360
Ion Ratio Lower Upper
128 100
129 11.4 10.4 15.6
127 12.4 10.2 15.2

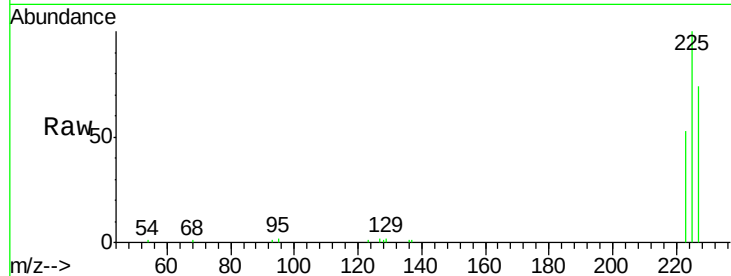




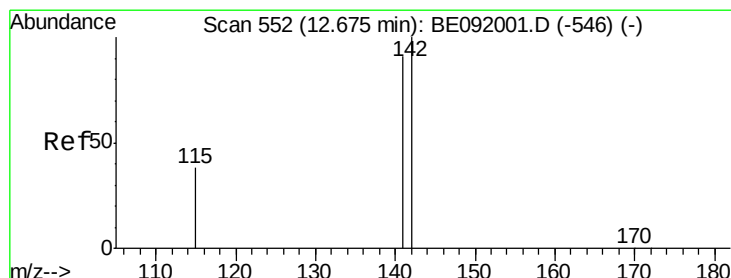
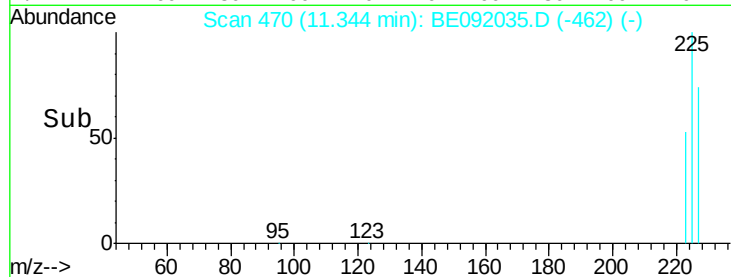
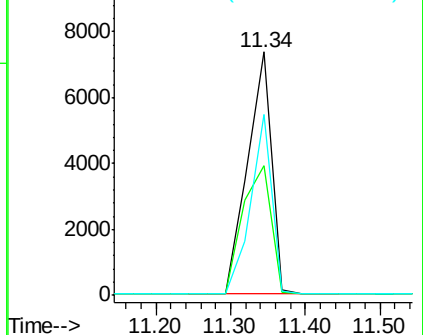
#13
Hexachlorobutadiene
Concen: 3.49 ng
RT: 11.34 min Scan# 470
Delta R.T. 0.00 min
Lab File: BE092035.D
Acq: 23 Jul 2016 9:33

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

Tgt Ion: 225 Resp: 16325
Ion Ratio Lower Upper
225 100
223 62.3 49.8 74.8
227 65.6 50.6 75.8

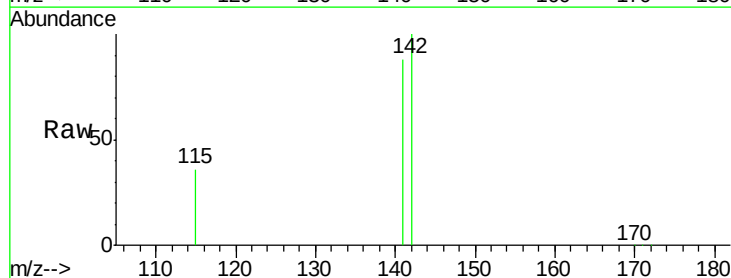


Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

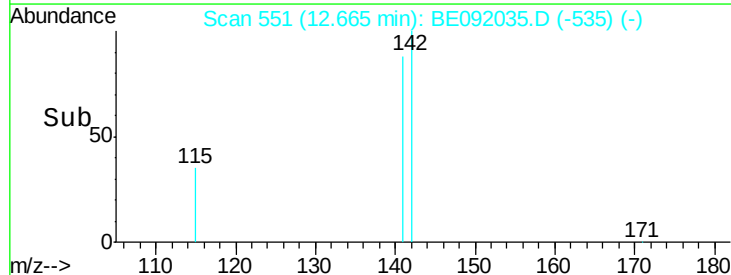
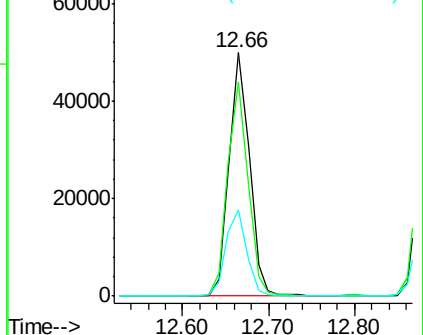


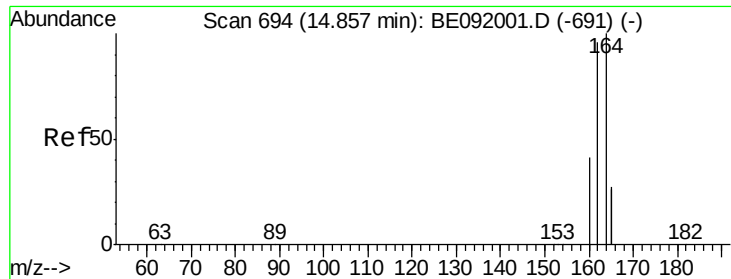
#14
2-Methylnaphthalene
Concen: 4.00 ng
RT: 12.66 min Scan# 551
Delta R.T. -0.01 min
Lab File: BE092035.D
Acq: 23 Jul 2016 9:33

Tgt Ion: 142 Resp: 81893
Ion Ratio Lower Upper
142 100
141 87.8 71.9 107.9
115 35.6 29.9 44.9



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

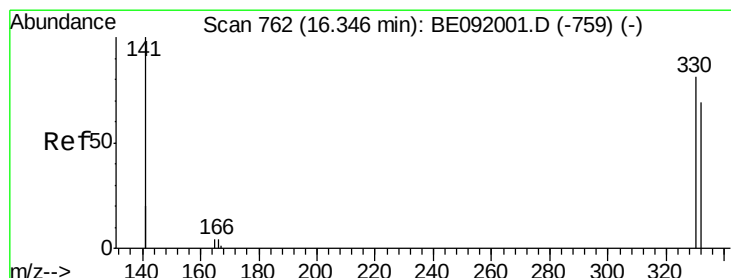
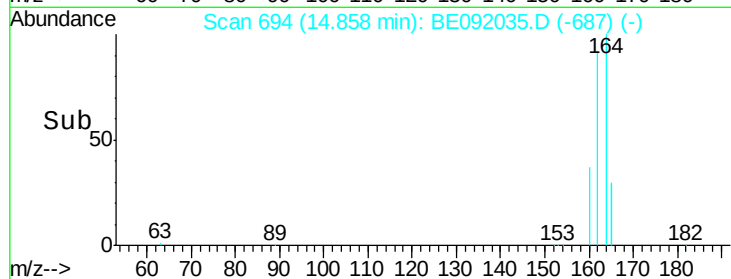
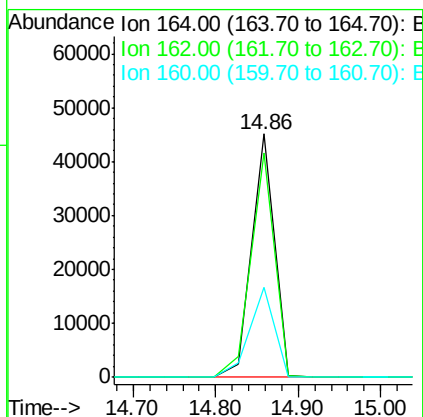
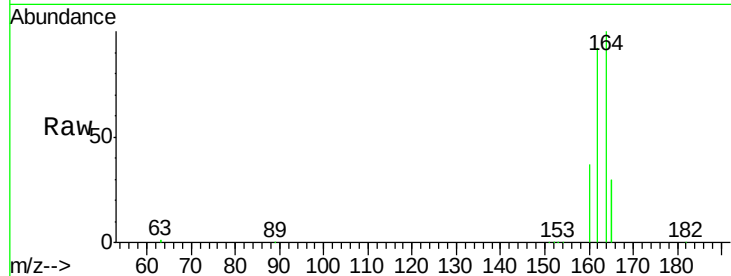




#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092035.D
Acq: 23 Jul 2016 9:33

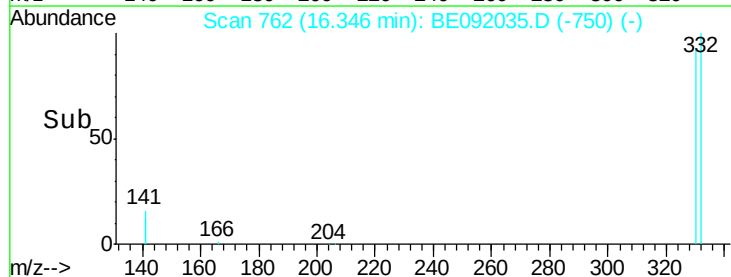
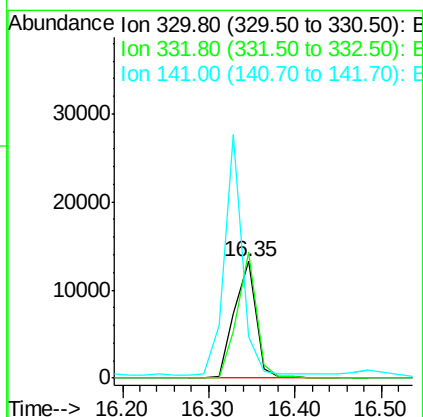
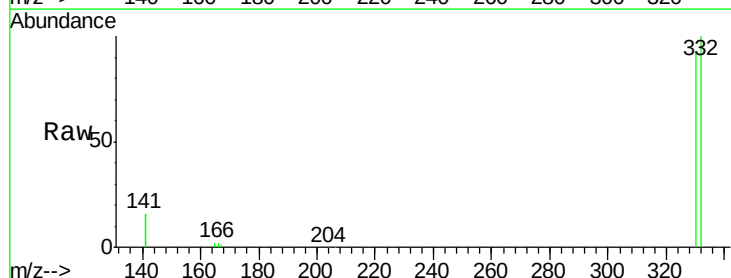
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MSD

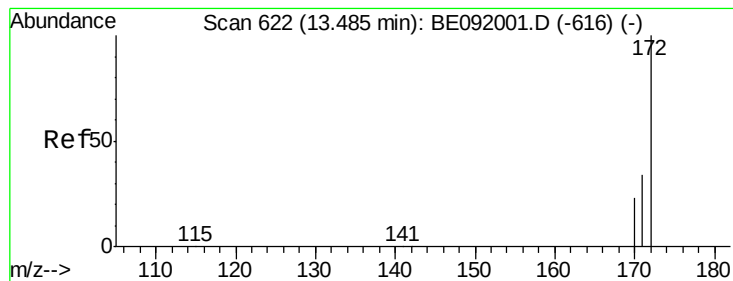
Tgt Ion:164 Resp: 86155
Ion Ratio Lower Upper
164 100
162 92.0 71.8 107.8
160 36.9 28.0 42.0



#16
2,4,6-Tribromophenol
Concen: 7.61 ng
RT: 16.35 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE092035.D
Acq: 23 Jul 2016 9:33

Tgt Ion:330 Resp: 22736
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 173.7 138.4 207.6

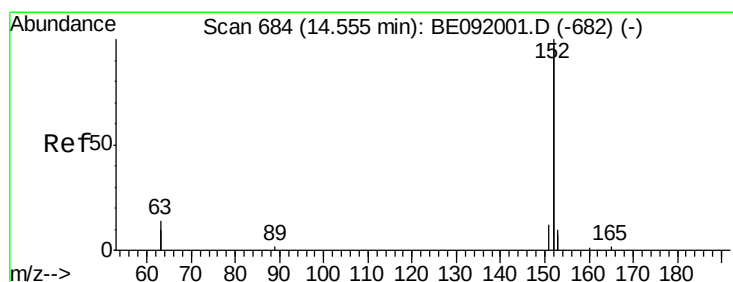
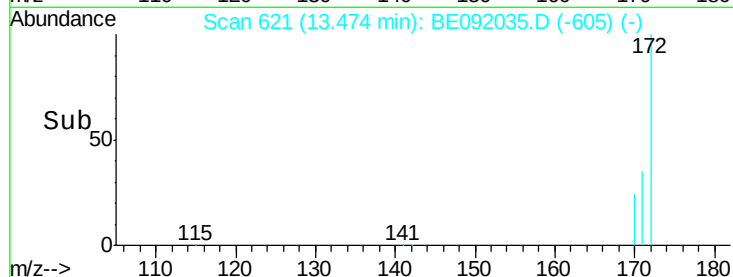
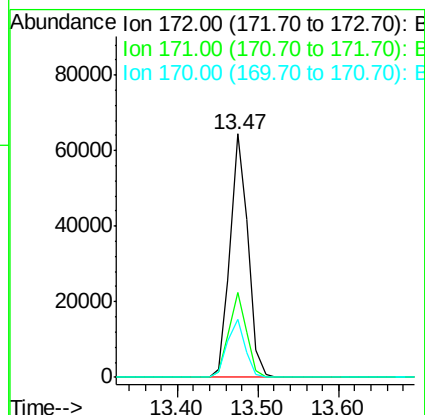
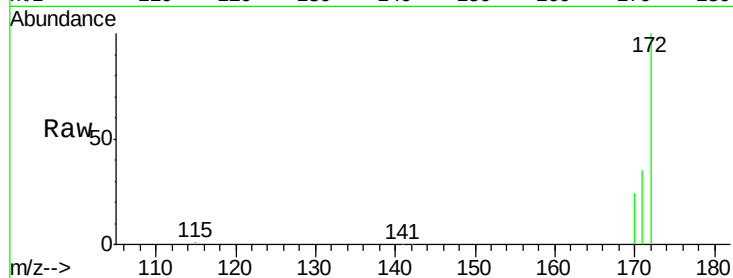




#17
 2-Fluorobiphenyl
 Concen: 4.35 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092035.D
 Acq: 23 Jul 2016 9:33

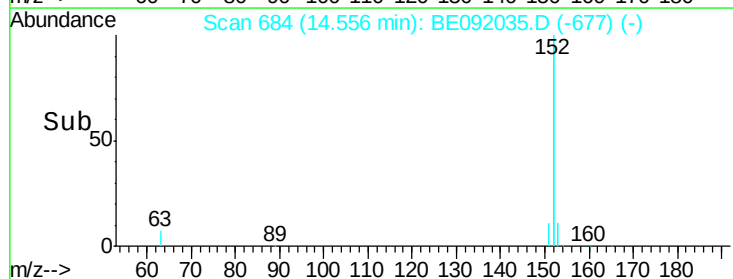
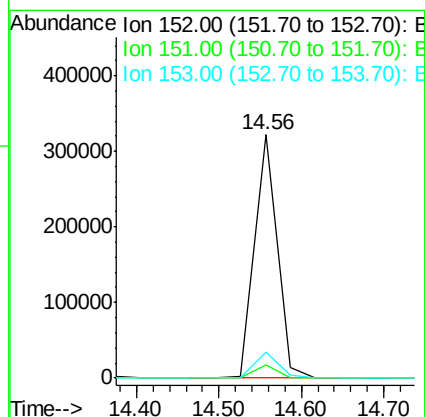
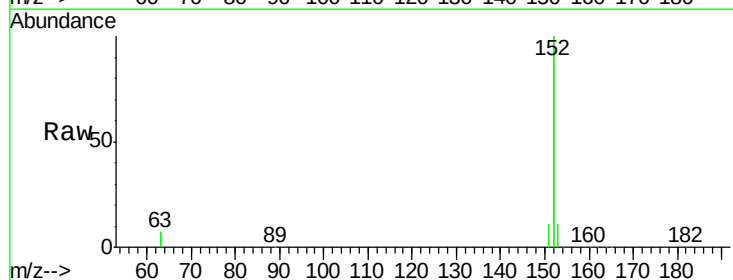
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

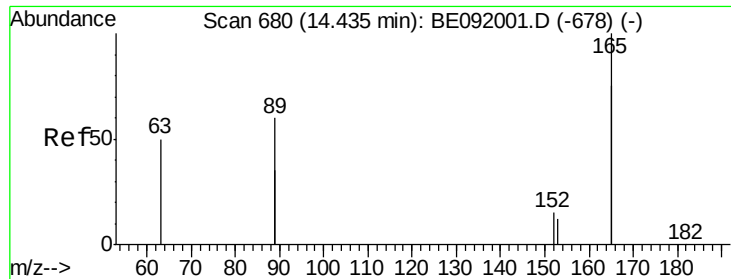
Tgt Ion:172 Resp: 98564
 Ion Ratio Lower Upper
 172 100
 171 34.8 24.3 36.5
 170 23.8 14.9 22.3#



#18
 Acenaphthylene
 Concen: 4.62 ng
 RT: 14.56 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BE092035.D
 Acq: 23 Jul 2016 9:33

Tgt Ion:152 Resp: 612571
 Ion Ratio Lower Upper
 152 100
 151 5.2 19.4 29.2#
 153 11.5 14.4 21.6#

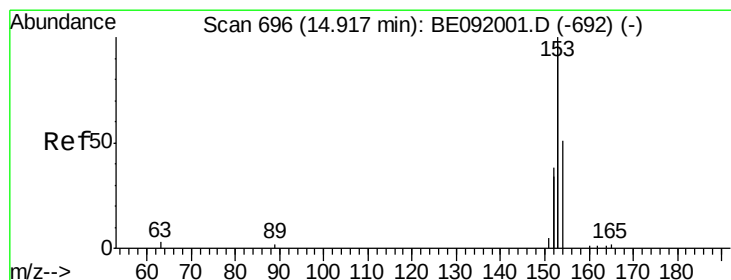
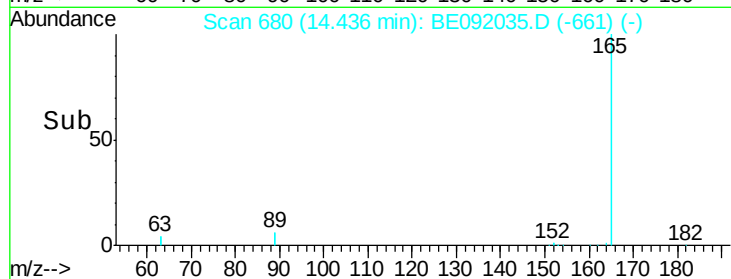
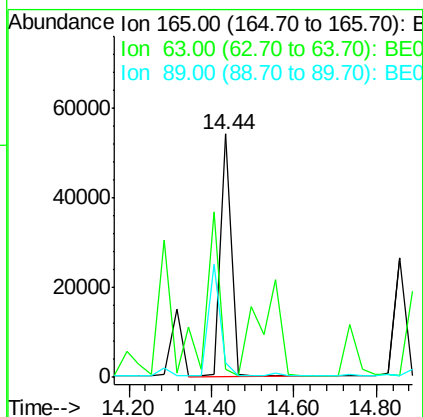
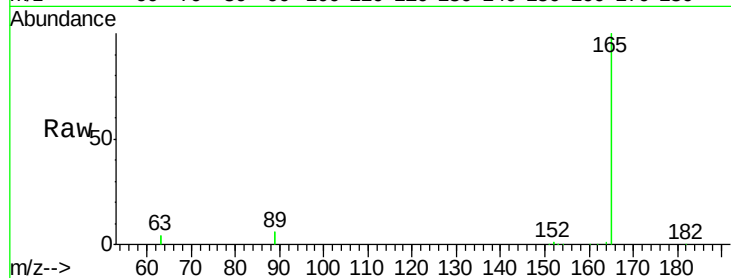




#19
2,6-Dinitrotoluene
Concen: 4.10 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE092035.D
Acq: 23 Jul 2016 9:33

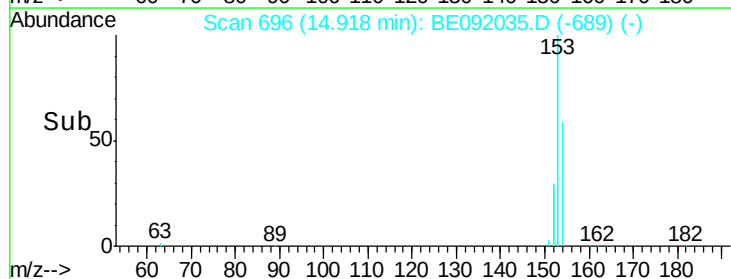
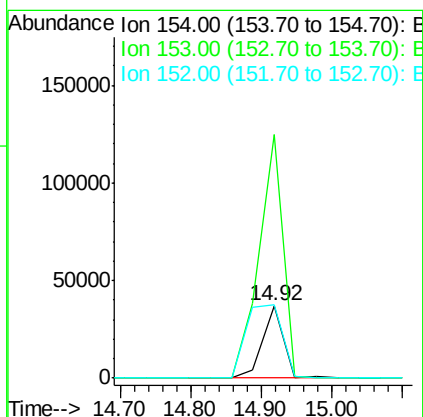
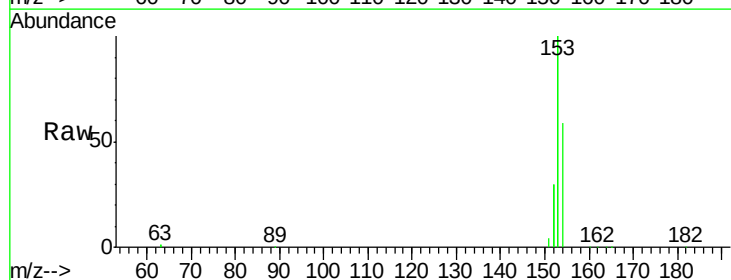
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004MSD

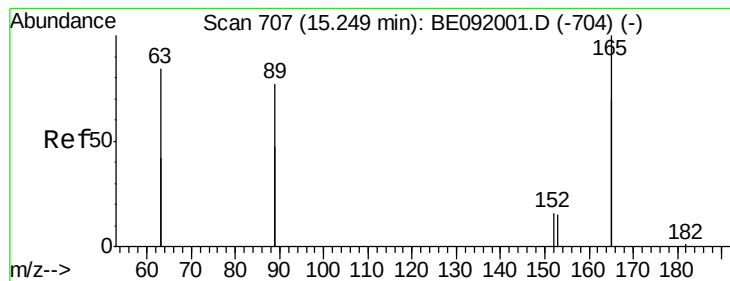
Tgt Ion:165 Resp: 101522
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 0.0 59.1 88.7#



#20
Acenaphthene
Concen: 3.45 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE092035.D
Acq: 23 Jul 2016 9:33

Tgt Ion:154 Resp: 77529
Ion Ratio Lower Upper
154 100
153 380.7 88.1 132.1#
152 170.9 44.2 66.2#





#21

2,4-Dinitrotoluene

Concen: 4.11 ng

RT: 15.22 min Scan# 706

Delta R.T. -0.03 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

Tgt Ion:165 Resp: 137766

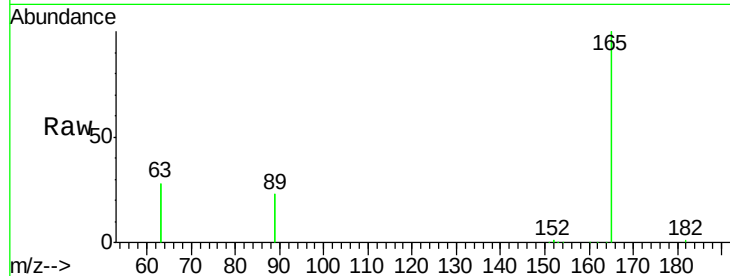
Ion Ratio Lower Upper

165 100

63 0.0 0.0 0.0

89 0.0 99.8 149.8#

182 0.5 0.0 0.0#



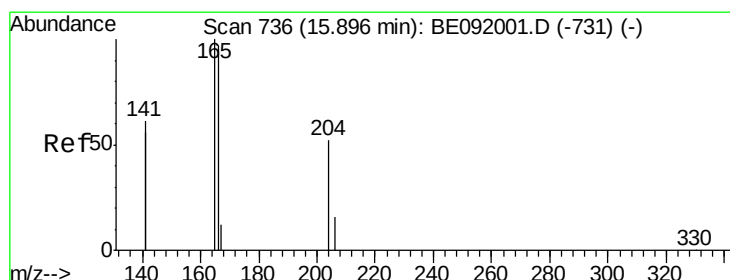
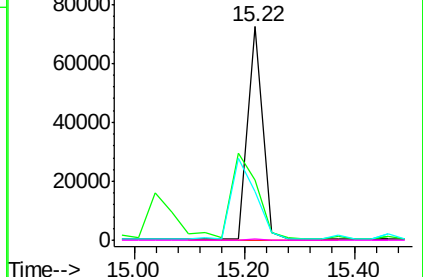
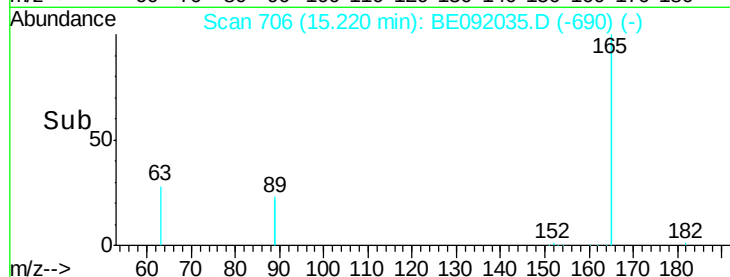
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E

Time-->



#22

Fluorene

Concen: 3.97 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

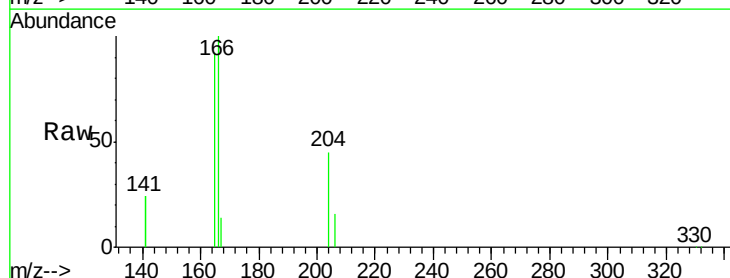
Tgt Ion:166 Resp: 106490

Ion Ratio Lower Upper

166 100

165 99.5 78.6 117.8

167 13.5 10.8 16.2

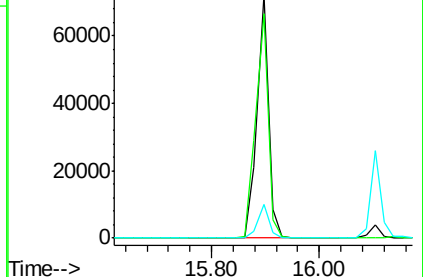
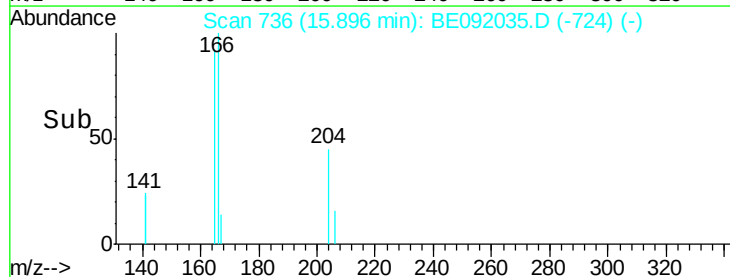


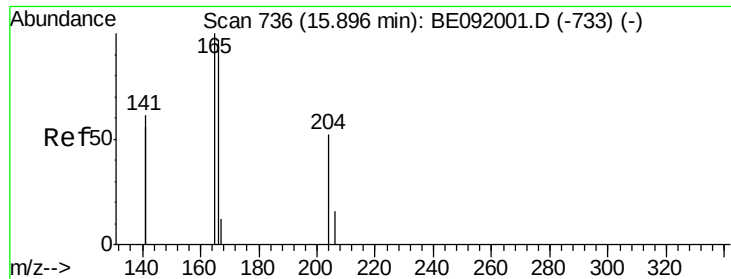
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->





#23

4-Chlorophenyl-phenylether

Concen: 3.67 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

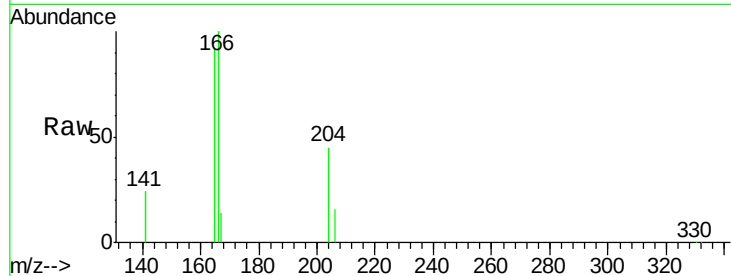
Tgt Ion:204 Resp: 48819

Ion Ratio Lower Upper

204 100

206 33.9 27.8 41.6

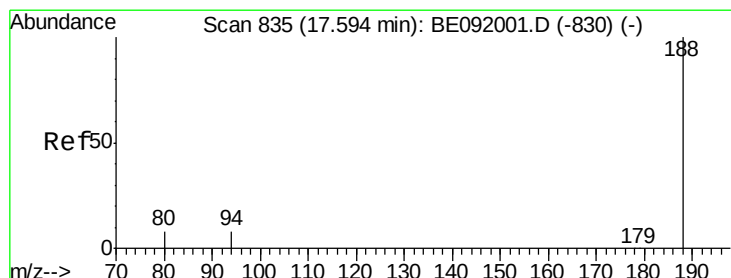
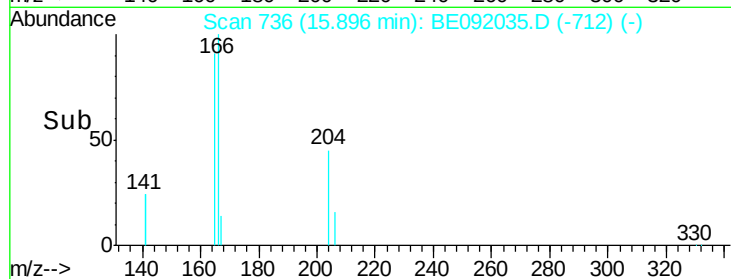
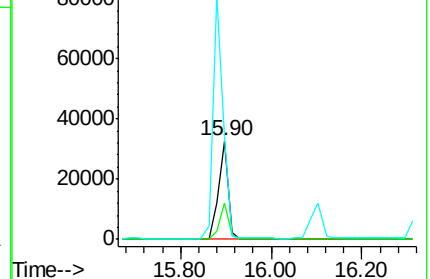
141 255.1 197.6 296.4



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#24

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.59 min Scan# 835

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

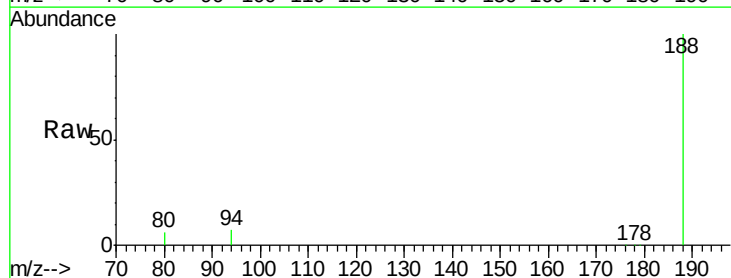
Tgt Ion:188 Resp: 190111

Ion Ratio Lower Upper

188 100

94 6.6 4.1 6.1#

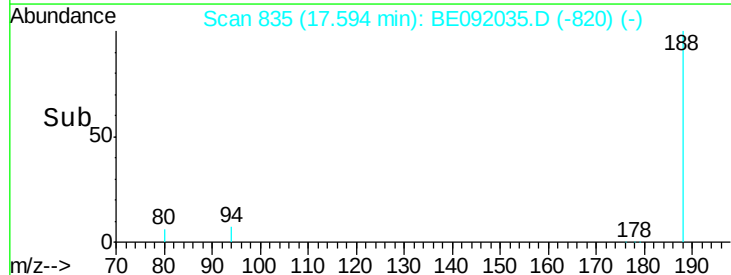
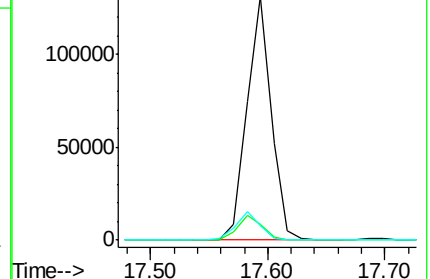
80 5.9 3.4 5.2#

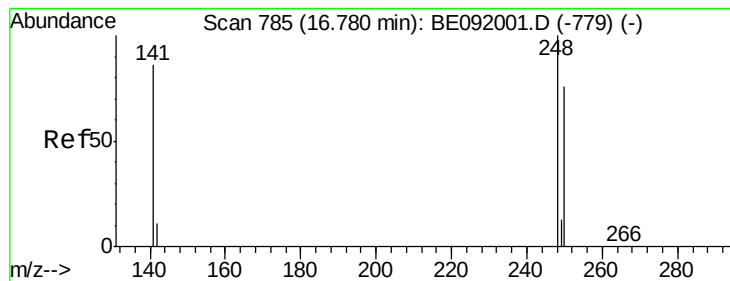


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#25

4-Bromophenyl-phenylether

Concen: 3.91 ng

RT: 16.78 min Scan# 785

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

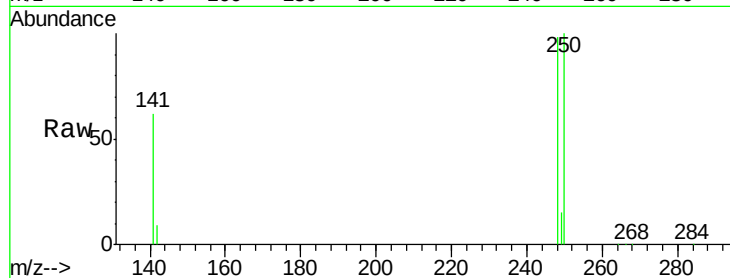
Tgt Ion:248 Resp: 30932

Ion Ratio Lower Upper

248 100

250 99.6 75.7 113.5

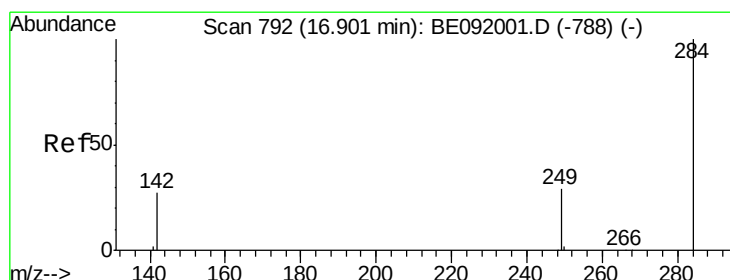
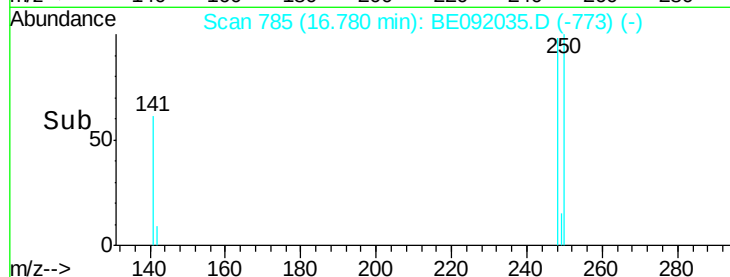
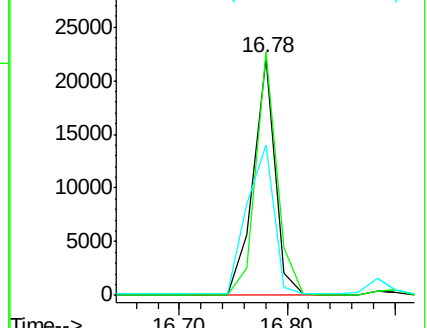
141 78.4 64.6 97.0



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: 3.76 ng

RT: 16.90 min Scan# 792

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

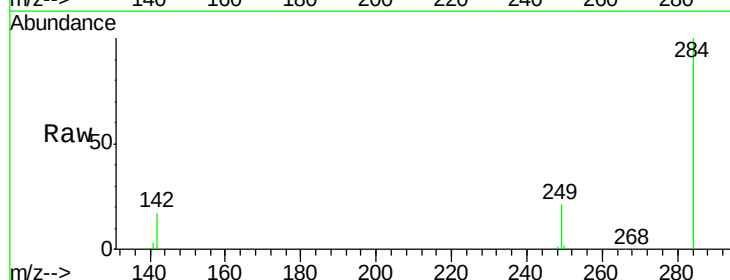
Tgt Ion:284 Resp: 30673

Ion Ratio Lower Upper

284 100

142 41.0 31.4 47.2

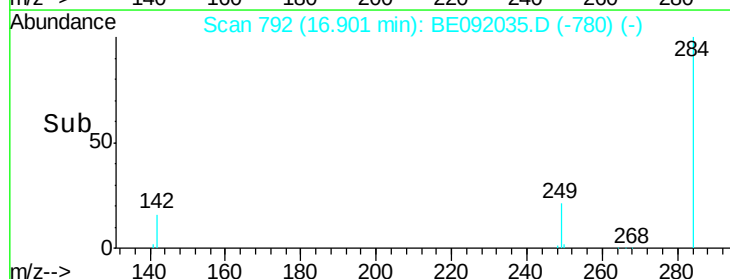
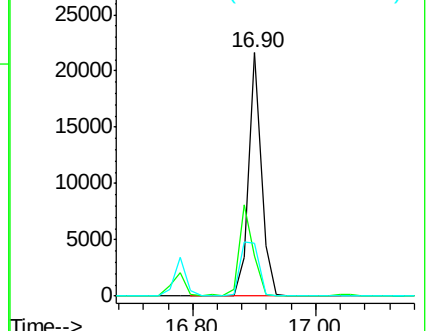
249 32.6 25.3 37.9

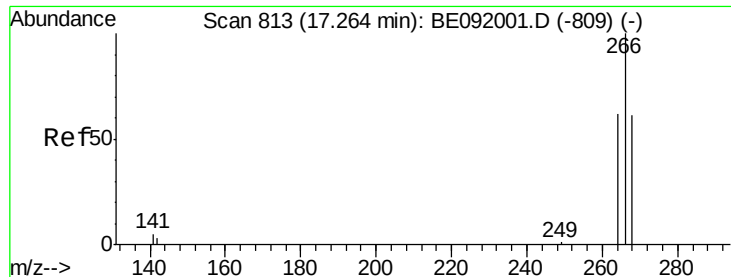


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

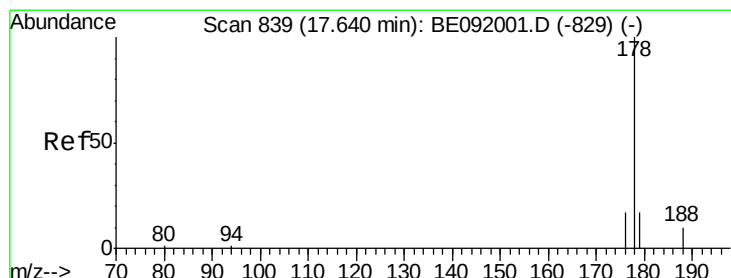
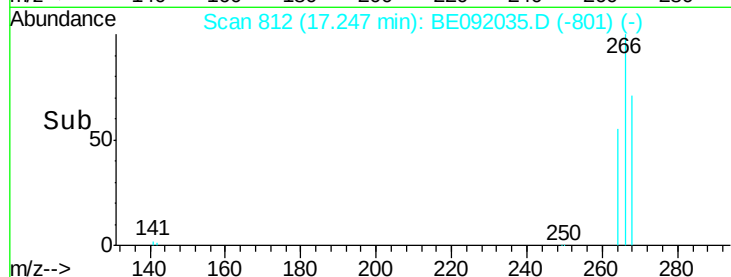
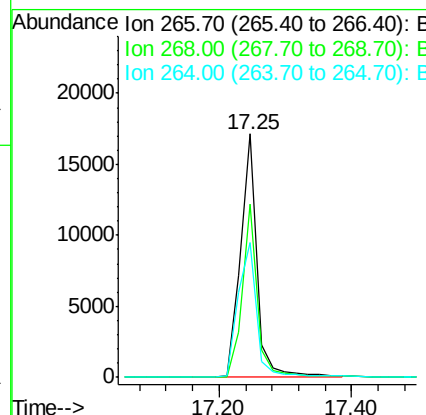
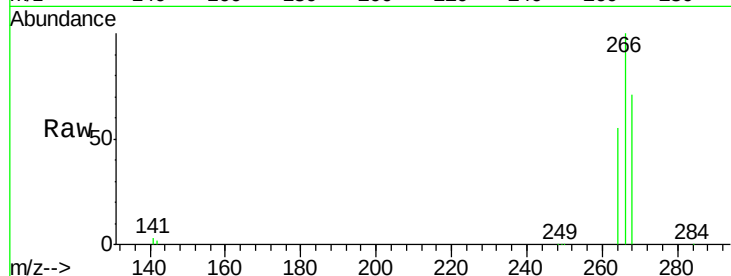




#27
 Pentachlorophenol
 Concen: 6.90 ng
 RT: 17.25 min Scan# 812
 Delta R.T. -0.02 min
 Lab File: BE092035.D
 Acq: 23 Jul 2016 9:33

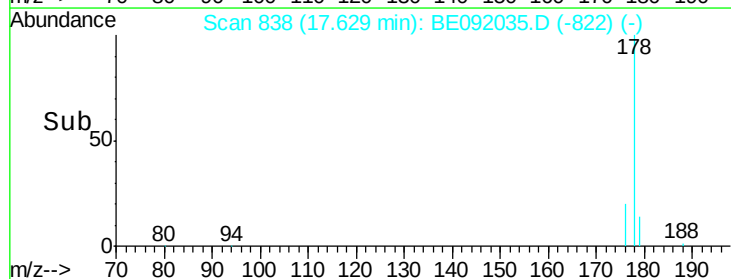
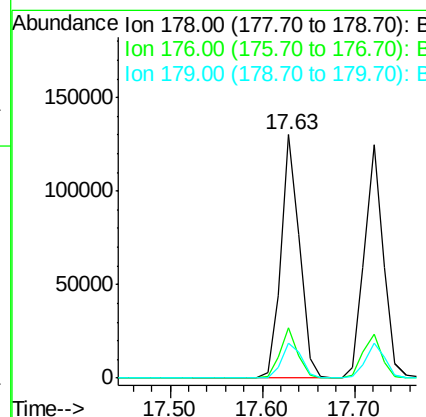
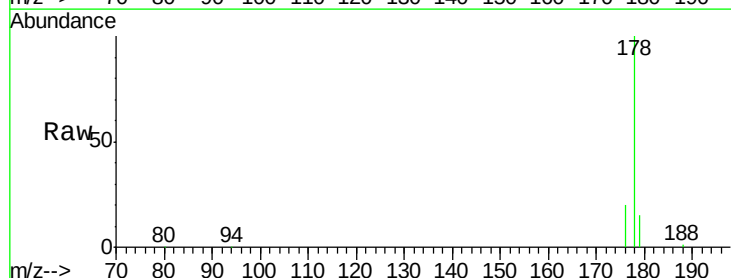
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

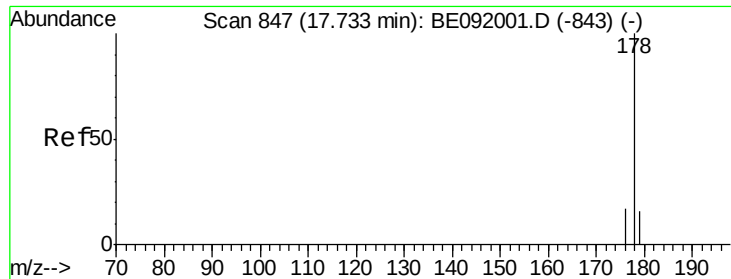
Tgt Ion: 266 Resp: 29258
 Ion Ratio Lower Upper
 266 100
 268 71.0 60.5 90.7
 264 55.3 51.0 76.4



#28
 Phenanthrene
 Concen: 3.77 ng
 RT: 17.63 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BE092035.D
 Acq: 23 Jul 2016 9:33

Tgt Ion: 178 Resp: 184999
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.5 12.9 19.3

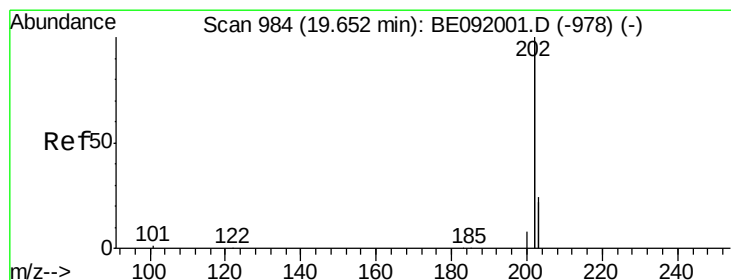
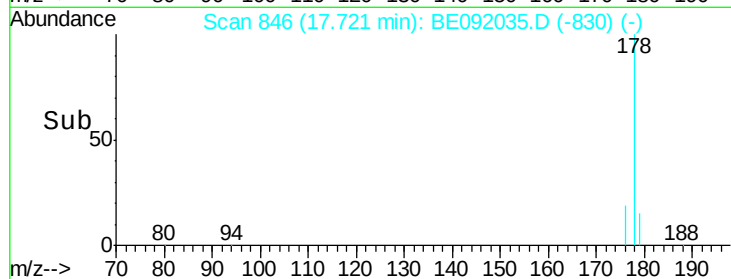
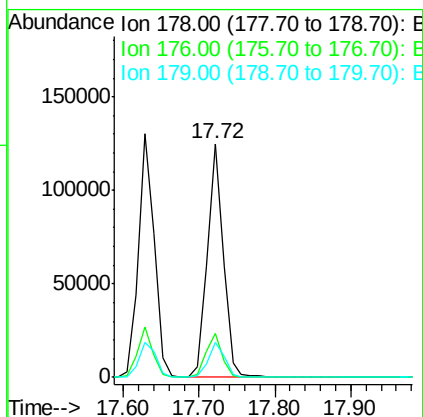
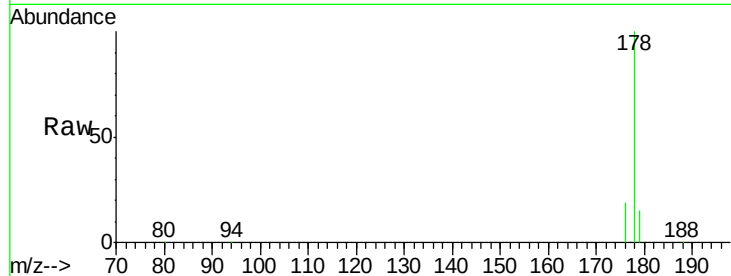




#29
 Anthracene
 Concen: 4.04 ng
 RT: 17.72 min Scan# 846
 Delta R.T. -0.01 min
 Lab File: BE092035.D
 Acq: 23 Jul 2016 9:33

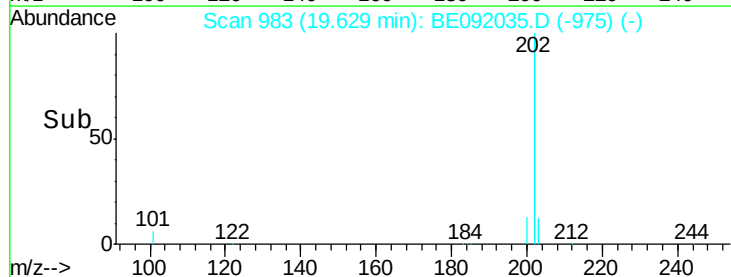
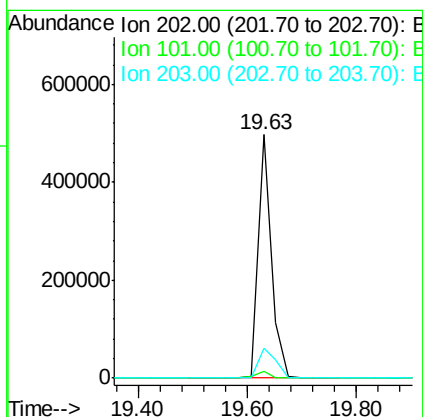
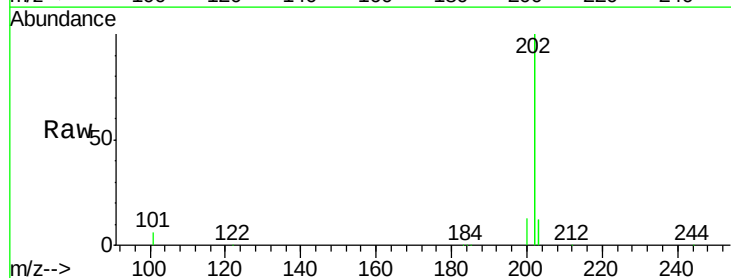
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004MSD

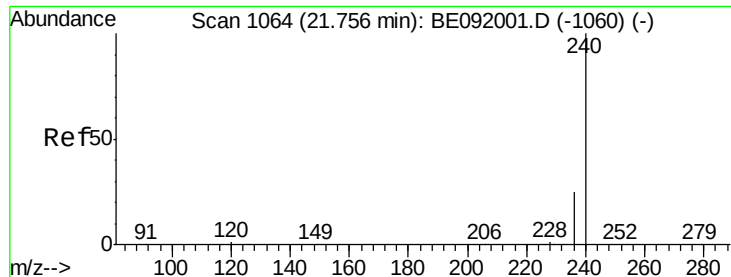
Tgt Ion:178 Resp: 179983
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.1 22.7
 179 15.3 12.1 18.1



#30
 Fluoranthene
 Concen: 4.33 ng
 RT: 19.63 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: BE092035.D
 Acq: 23 Jul 2016 9:33

Tgt Ion:202 Resp: 850512
 Ion Ratio Lower Upper
 202 100
 101 2.9 9.4 14.0#
 203 16.5 14.3 21.5





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

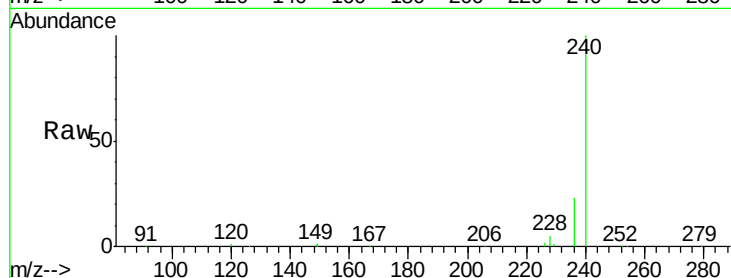
Tgt Ion:240 Resp: 218503

Ion Ratio Lower Upper

240 100

120 0.6 1.2 1.8#

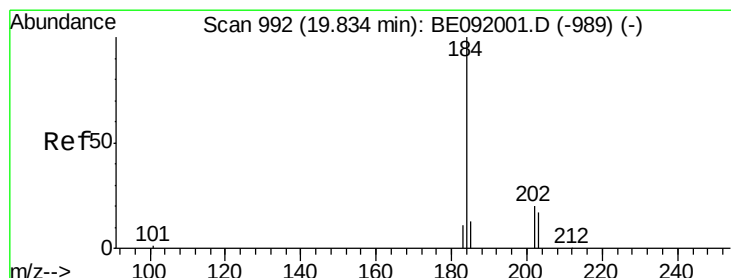
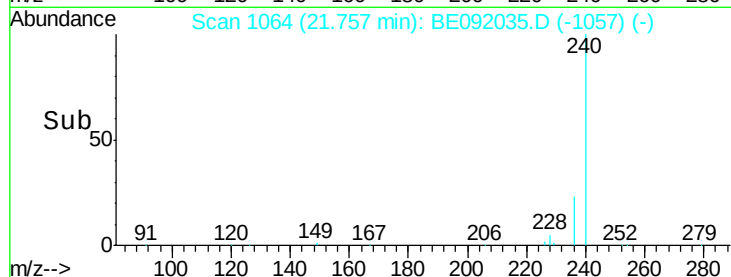
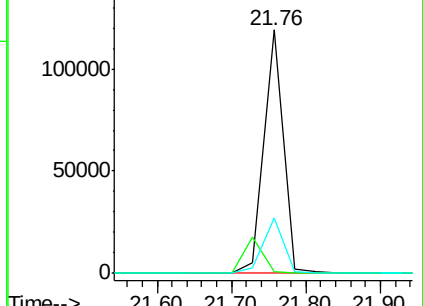
236 22.6 19.8 29.8



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: 1.30 ng

RT: 19.83 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

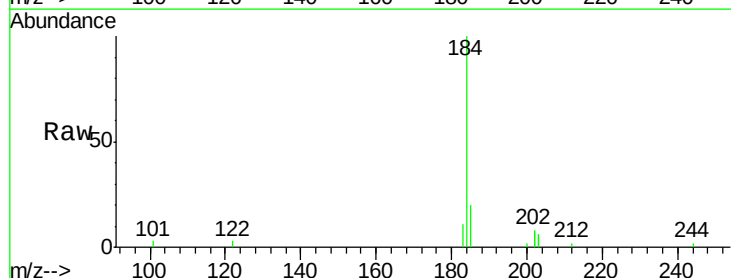
Tgt Ion:184 Resp: 12236

Ion Ratio Lower Upper

184 100

185 19.8 11.4 17.2#

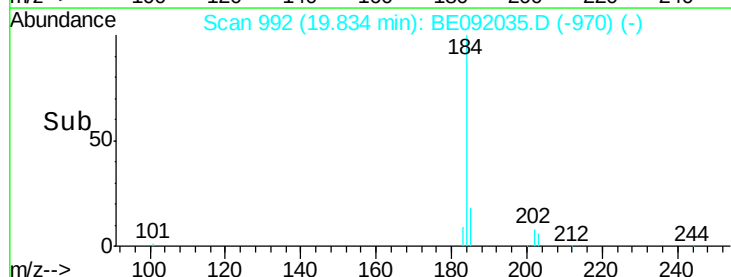
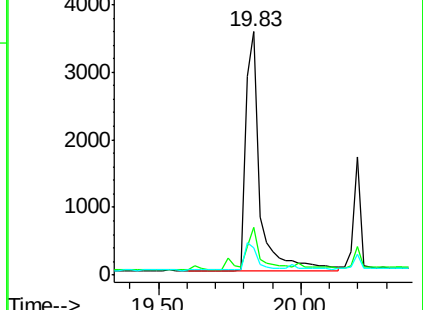
183 11.2 11.8 17.6#

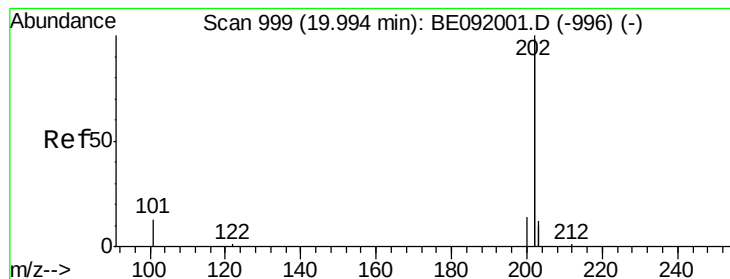


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#33

Pyrene

Concen: 6.27 ng

RT: 19.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

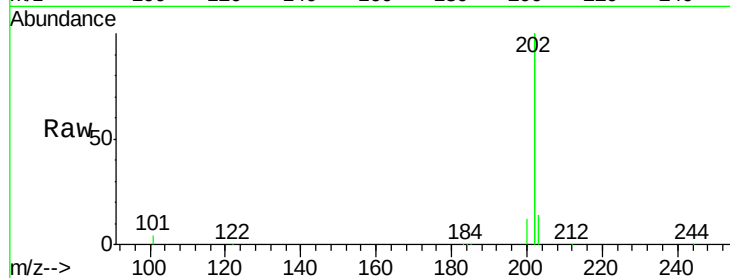
BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

Tgt Ion:202 Resp: 993840

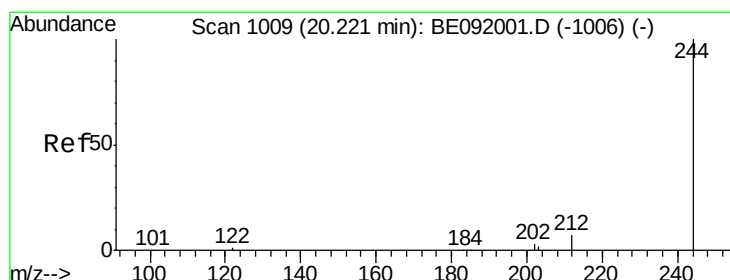
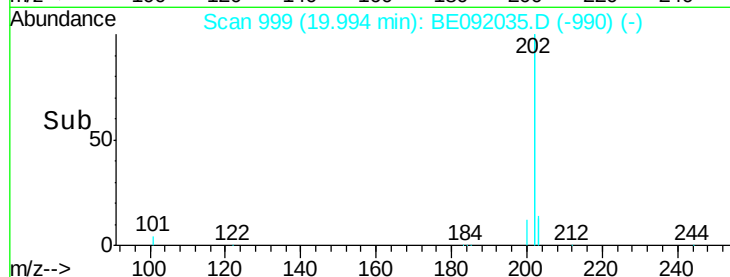
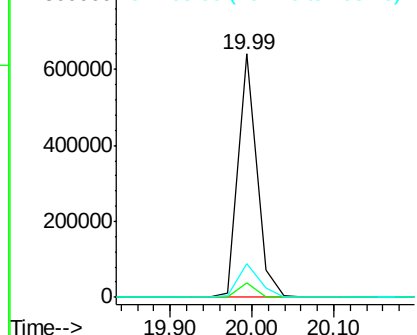
Ion	Ratio	Lower	Upper
202	100		
200	5.6	16.9	25.3#
203	16.1	14.1	21.1



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: 5.83 ng

RT: 20.20 min Scan# 1008

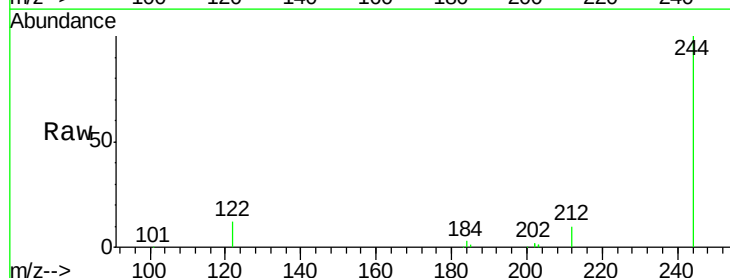
Delta R.T. -0.02 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Tgt Ion:244 Resp: 127961

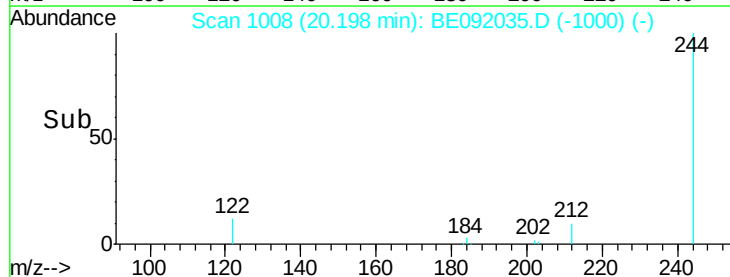
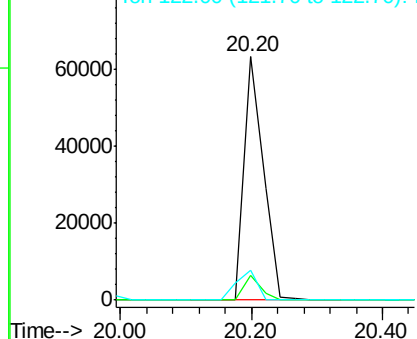
Ion	Ratio	Lower	Upper
244	100		
212	10.3	6.5	9.7#
122	12.2	2.9	4.3#

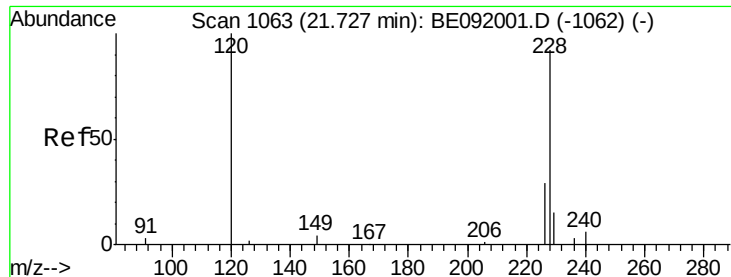


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Benzo(a)anthracene

Concen: 11.24 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

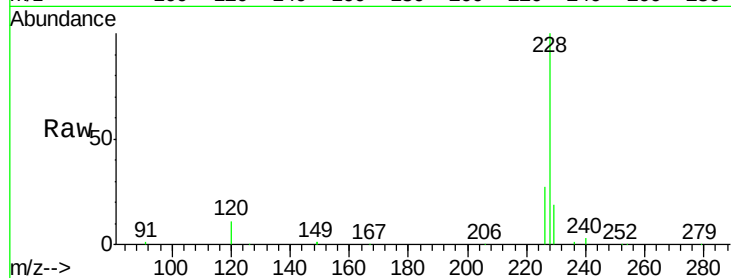
Tgt Ion:228 Resp: 553590

Ion Ratio Lower Upper

228 100

226 27.4 21.0 31.4

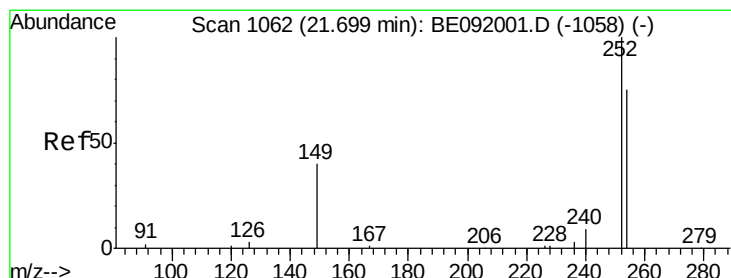
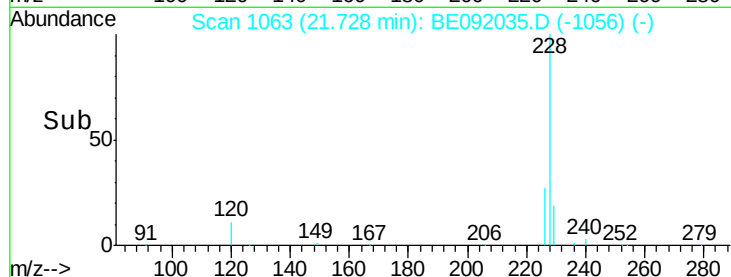
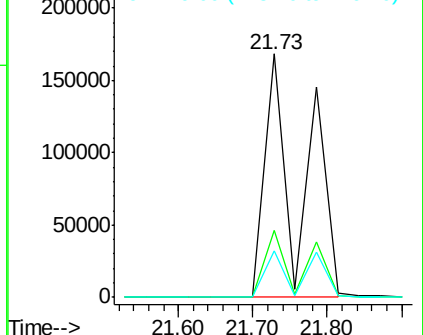
229 19.3 15.8 23.8



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: 4.90 ng

RT: 21.67 min Scan# 1061

Delta R.T. -0.03 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

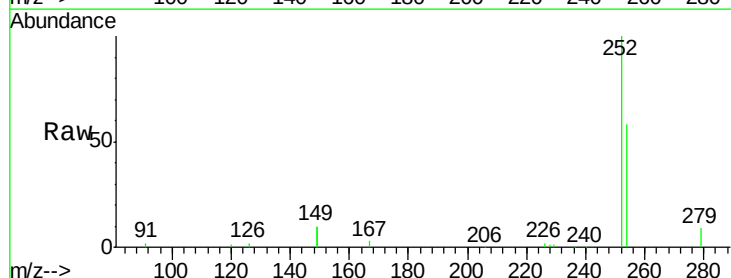
Tgt Ion:252 Resp: 70388

Ion Ratio Lower Upper

252 100

254 58.0 61.5 92.3#

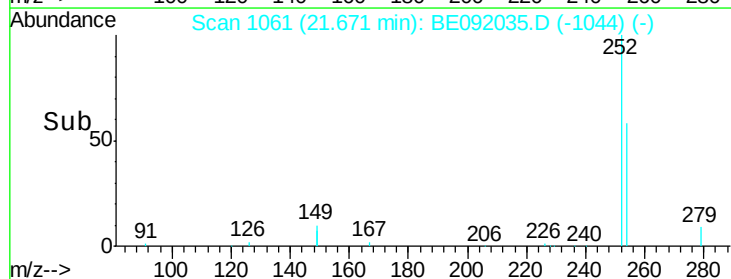
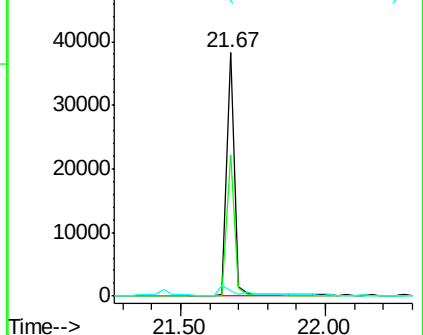
126 2.2 2.5 3.7#

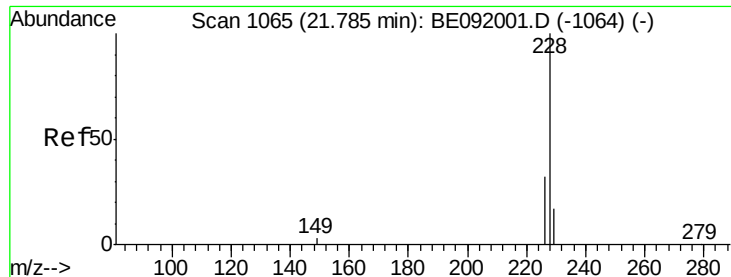


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#37

Chrysene

Concen: 9.28 ng

RT: 21.73 min Scan# 1063

Delta R.T. -0.06 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

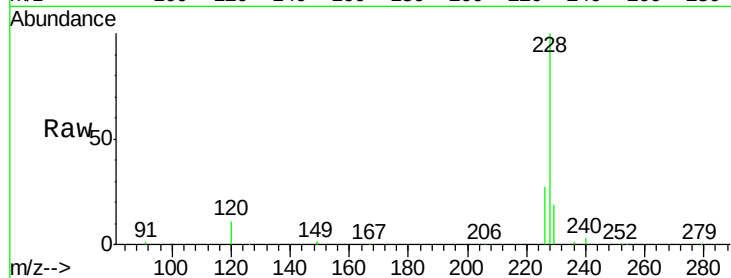
Tgt Ion:228 Resp: 556613

Ion Ratio Lower Upper

228 100

226 27.4 27.0 40.6

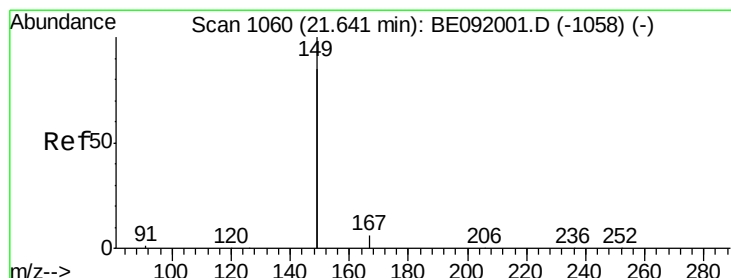
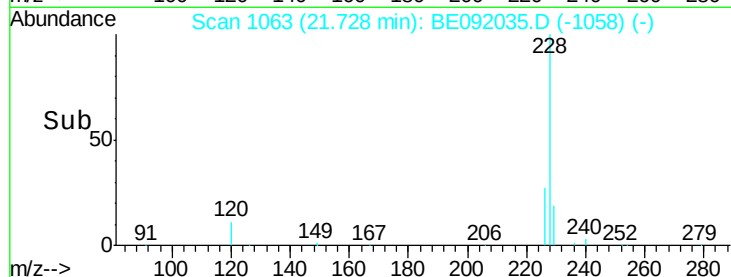
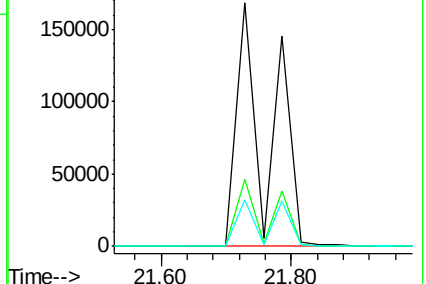
229 19.3 13.8 20.8



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: 16.37 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

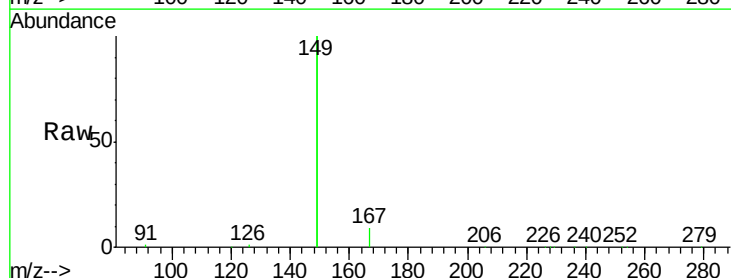
Tgt Ion:149 Resp: 706730

Ion Ratio Lower Upper

149 100

167 4.7 0.0 0.0#

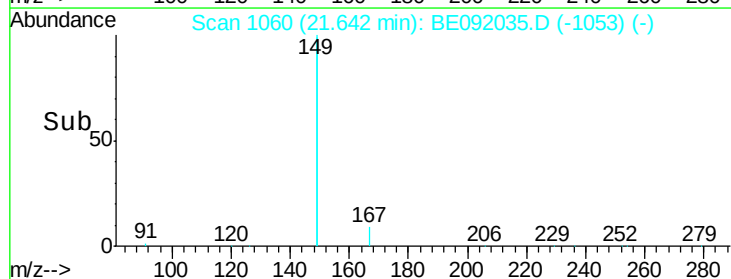
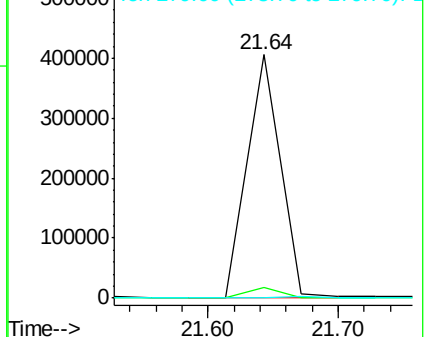
279 0.0 0.0 0.0

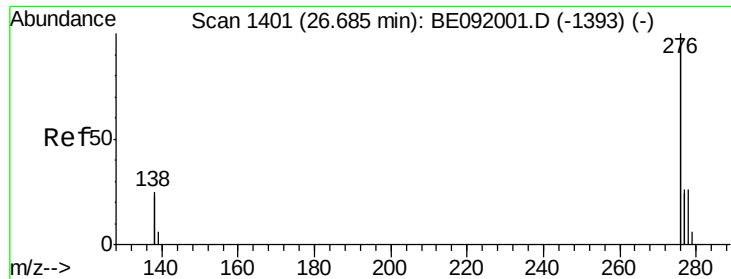


Abundance Ion 149.00 (148.70 to 149.70): E

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: 5.72 ng

RT: 26.67 min Scan# 1399

Delta R.T. -0.02 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

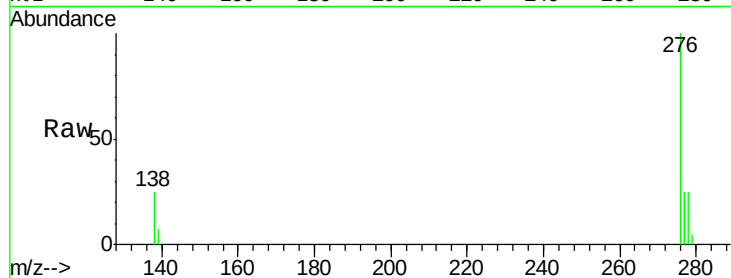
Tgt Ion: 276 Resp: 942759

Ion Ratio Lower Upper

276 100

138 26.2 19.7 29.5

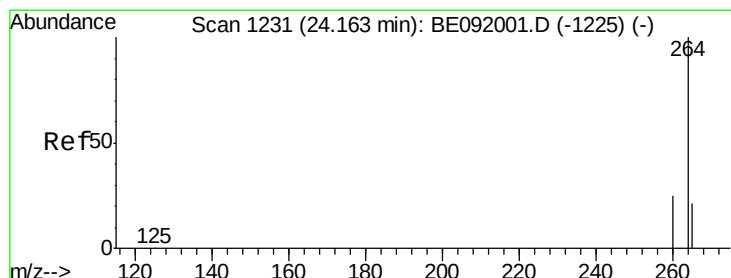
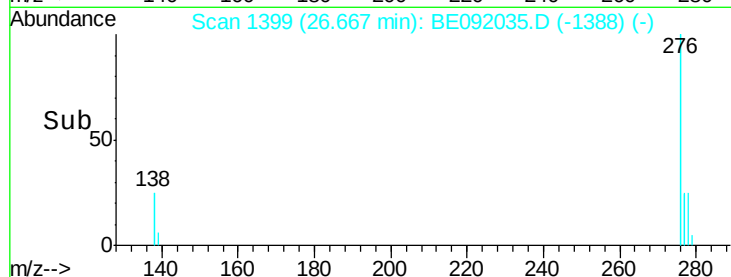
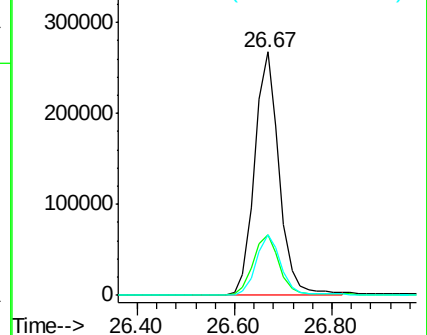
277 24.9 20.1 30.1



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: 24.16 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

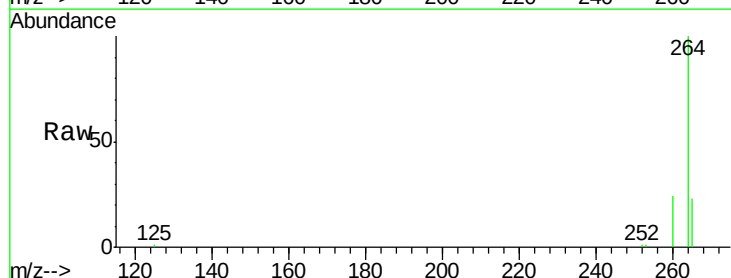
Tgt Ion: 264 Resp: 203894

Ion Ratio Lower Upper

264 100

260 23.8 20.3 30.5

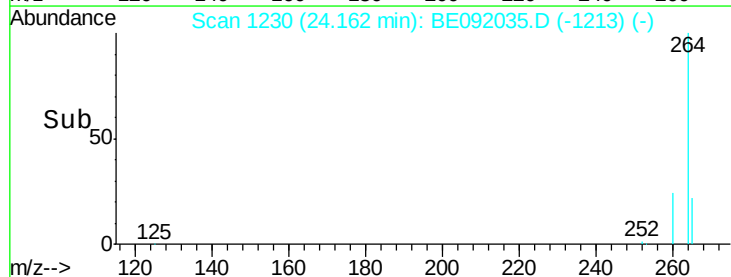
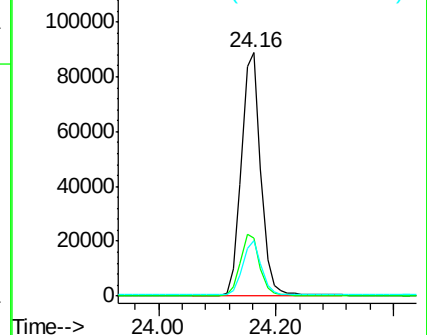
265 22.6 17.6 26.4

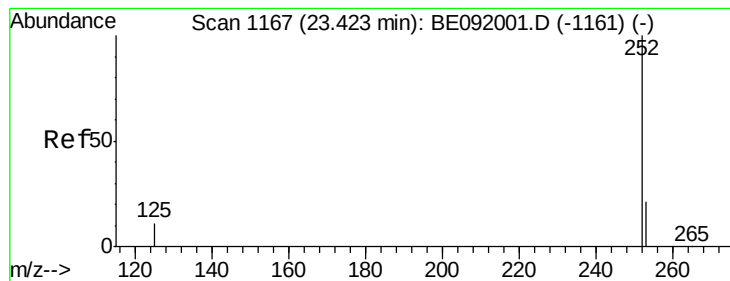


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#41

Benzo(b)fluoranthene

Concen: 4.41 ng

RT: 23.42 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

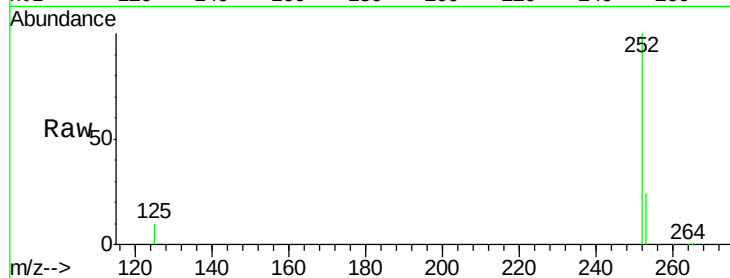
Tgt Ion: 252 Resp: 235816

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 9.7 9.4 14.2

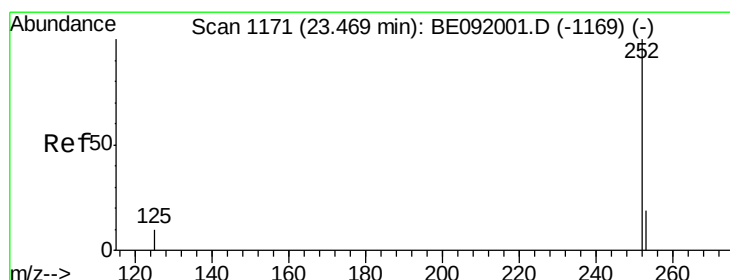
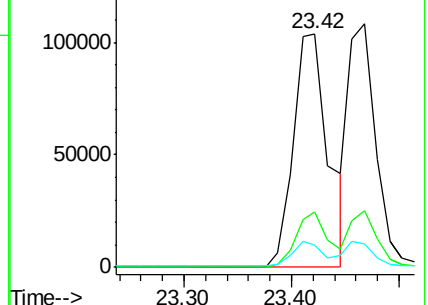
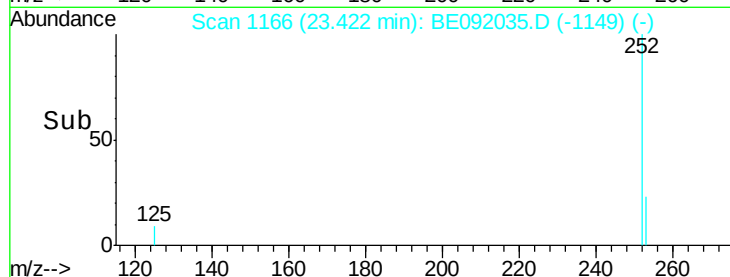


Abundance

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: 3.53 ng

RT: 23.47 min Scan# 1170

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

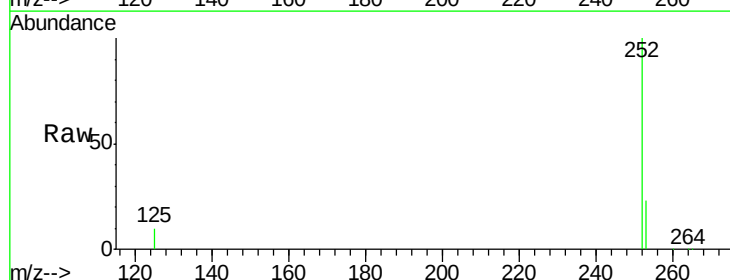
Tgt Ion: 252 Resp: 192299

Ion Ratio Lower Upper

252 100

253 23.3 19.4 29.2

125 9.6 8.3 12.5

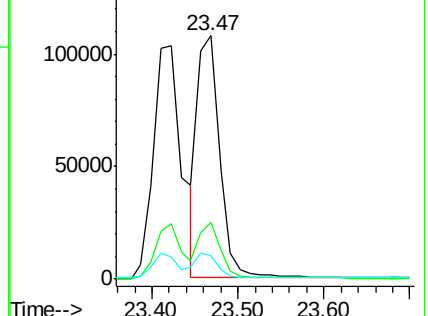
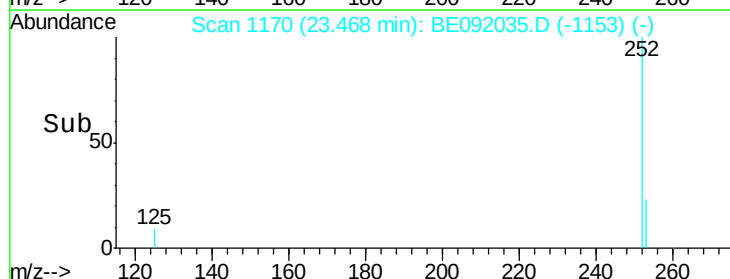


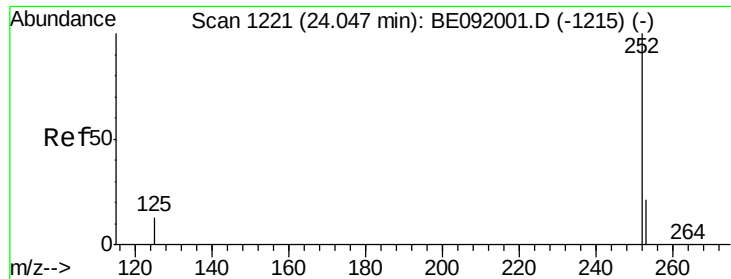
Abundance

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: 4.17 ng

RT: 24.05 min Scan# 1220

Delta R.T. -0.00 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD

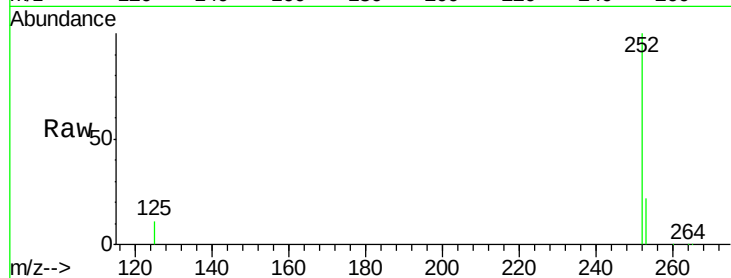
Tgt Ion: 252 Resp: 207849

Ion Ratio Lower Upper

252 100

253 22.2 18.9 28.3

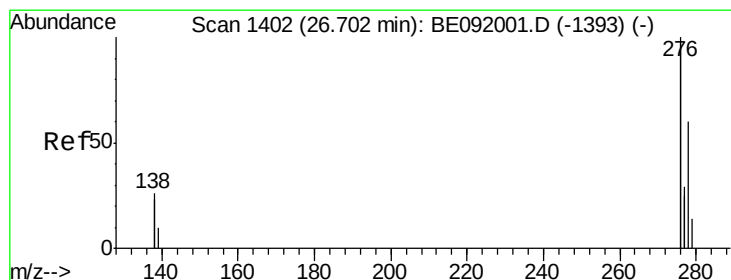
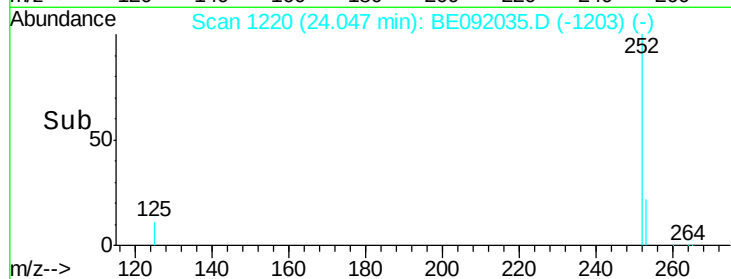
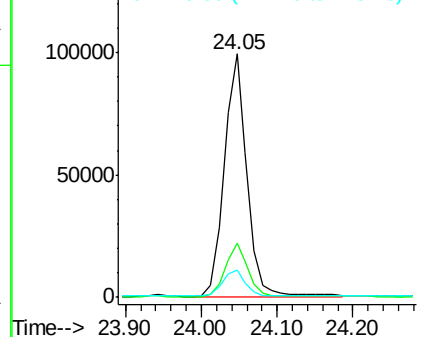
125 11.0 10.5 15.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#44

Dibenzo(a,h)anthracene

Concen: 4.36 ng

RT: 26.68 min Scan# 1400

Delta R.T. -0.02 min

Lab File: BE092035.D

Acq: 23 Jul 2016 9:33

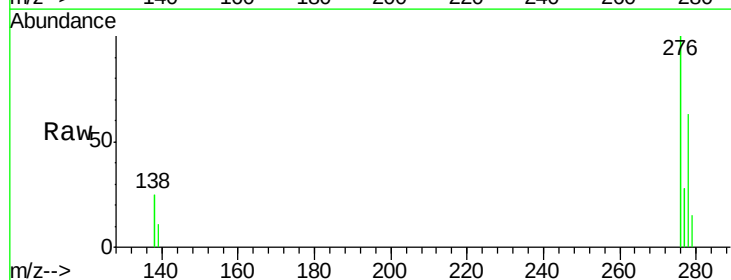
Tgt Ion: 278 Resp: 193840

Ion Ratio Lower Upper

278 100

139 17.7 12.6 18.8

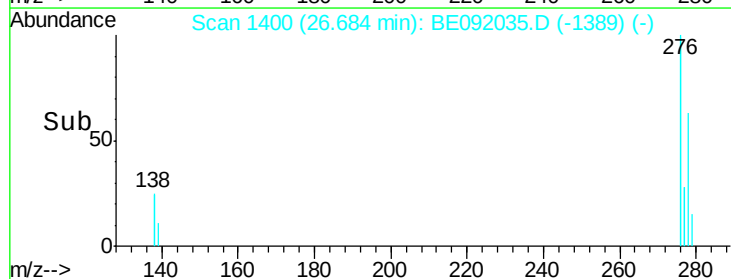
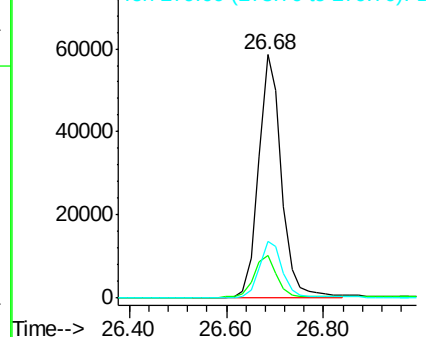
279 23.3 20.0 30.0

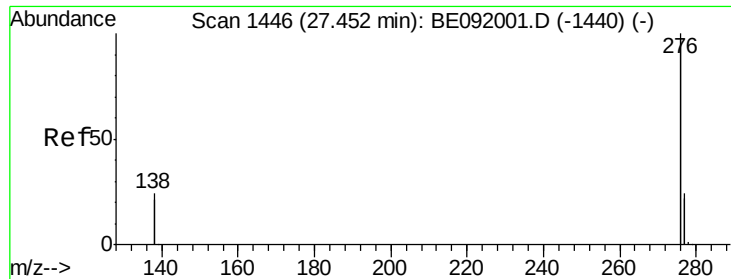


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#45

Benzo(g,h,i)perylene

Concen: 4.40 ng

RT: 27.43 min Scan# 1444

Delta R.T. -0.02 min

Lab File: BE092035.D

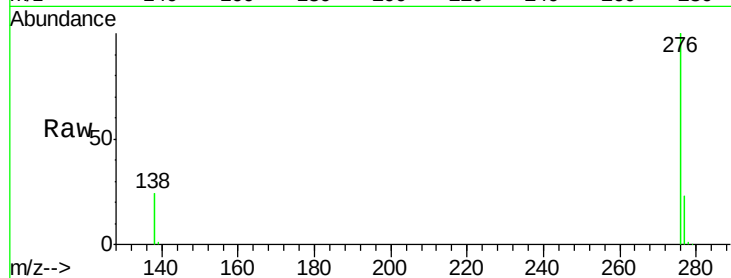
Acq: 23 Jul 2016 9:33

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004MSD



Tgt Ion: 276 Resp: 800352

Ion Ratio Lower Upper

276 100

277 23.0 19.5 29.3

138 24.1 17.7 26.5

