

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072216\
 Data File : BE092030.D
 Acq On : 23 Jul 2016 6:22
 Operator : UM/SJ
 Sample : H4107-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-3-4-STONE-002

Quant Time: Jul 25 01:46:39 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

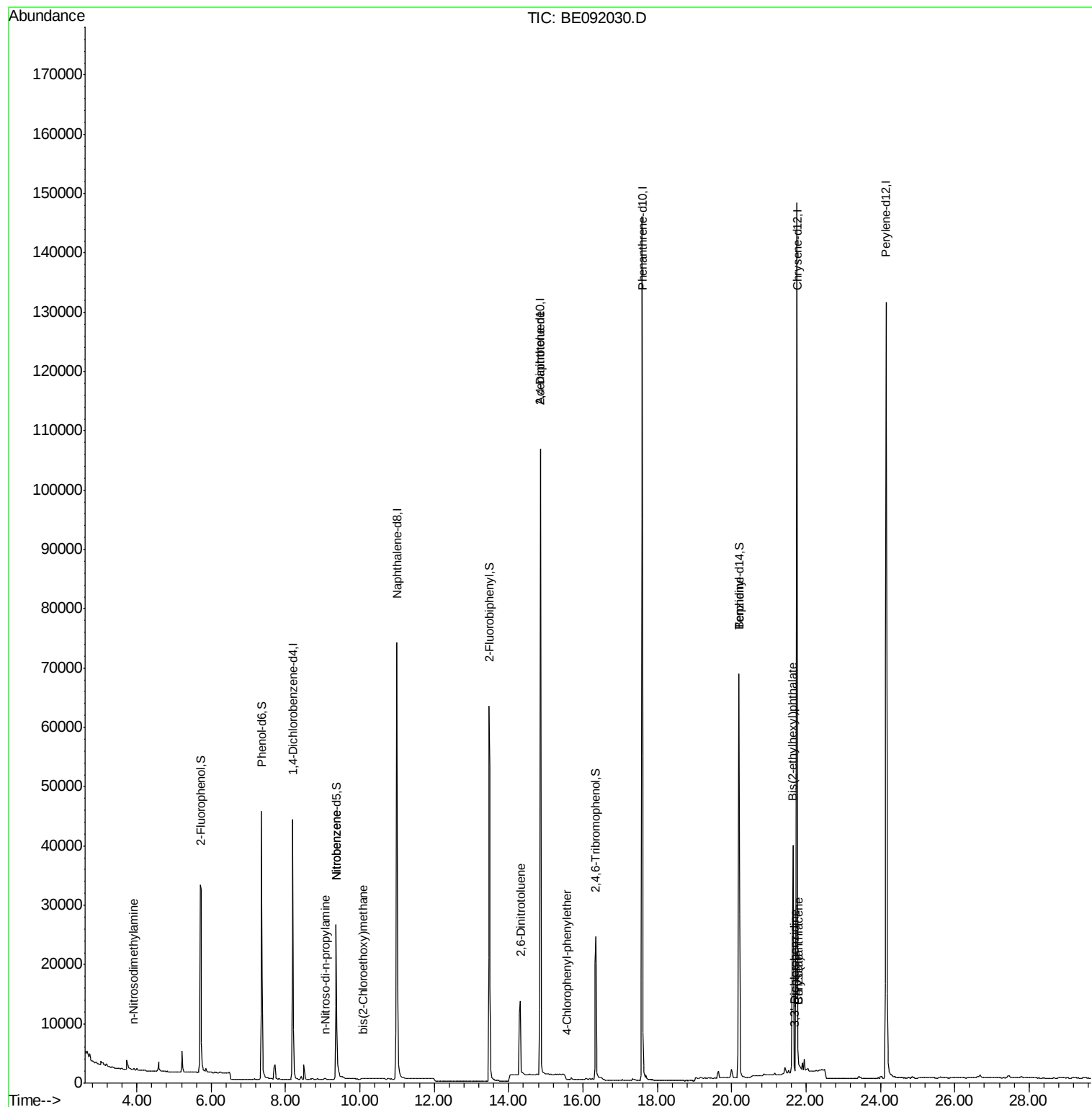
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.20	152	24738	5.00	ng	0.00
8) Naphthalene-d8	10.99	136	118935	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	71962	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	186370	5.00	ng	0.00
31) Chrysene-d12	21.76	240	220806	5.00	ng	0.00
40) Perylene-d12	24.15	264	192985	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.72	112	35367	7.37	ng	0.00
5) Phenol-d6	7.35	99	52737	6.21	ng	-0.02
9) Nitrobenzene-d5	9.37	82	28012	3.91	ng	-0.02
16) 2,4,6-Tribromophenol	16.35	330	14273	5.77	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	72320	3.82	ng	-0.01
34) Terphenyl-d14	20.20	244	109117	4.92	ng	-0.02
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.92	42	16	0.09	ng	# 1
7) n-Nitroso-di-n-propylamine	9.08	70	193	0.03	ng	# 62
10) Nitrobenzene	9.37	77	119	0.14	ng	# 56
11) bis(2-Chloroethoxy)methane	10.10	93	1055	0.12	ng	# 1
19) 2,6-Dinitrotoluene	14.32	165	9145	0.60	ng	# 10
21) 2,4-Dinitrotoluene	14.86	165	42022	2.23	ng	# 1
23) 4-Chlorophenyl-phenylether	15.57	204	490	0.04	ng	# 19
32) Benzidine	20.20	184	2212	0.38	ng	# 87
35) Benzo(a)anthracene	21.79	228	1538	0.03	ng	# 73
36) 3,3'-Dichlorobenzidine	21.70	252	55	0.03	ng	# 82
37) Chrysene	21.79	228	1523	0.03	ng	# 82
38) Bis(2-ethylhexyl)phthalate	21.64	149	66159	1.58	ng	# 100

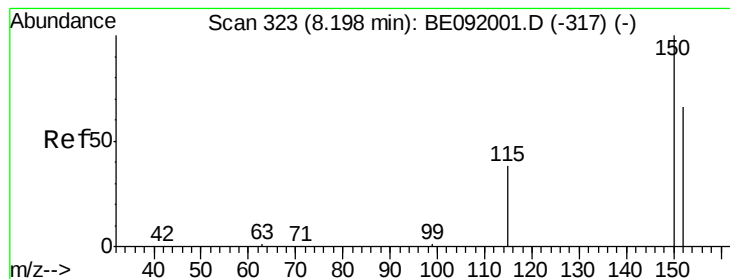
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE092030.D

Acq: 23 Jul 2016 6:22

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-3-4-STONE-002

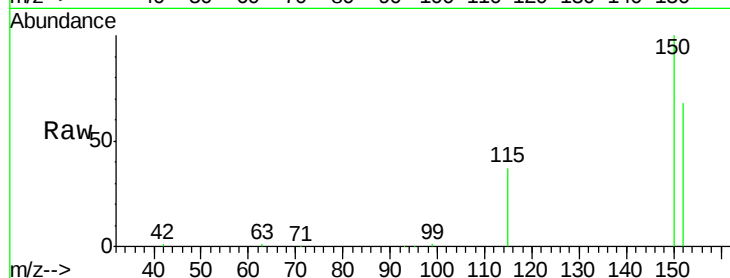
Tgt Ion:152 Resp: 24738

Ion Ratio Lower Upper

152 100

150 147.8 123.9 185.9

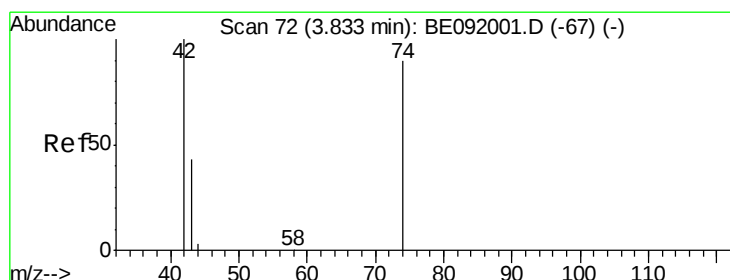
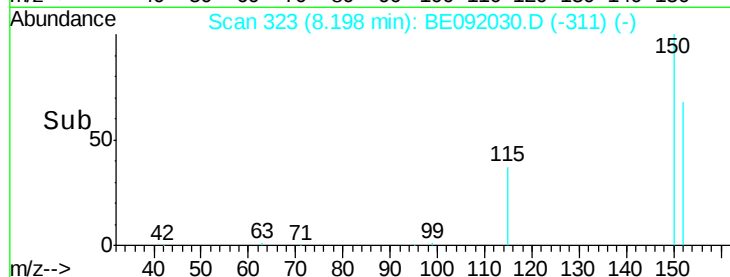
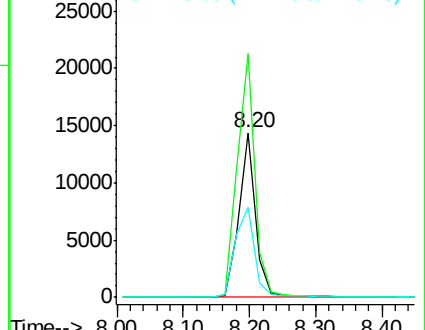
115 54.9 48.3 72.5



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



#3

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.92 min Scan# 77

Delta R.T. 0.09 min

Lab File: BE092030.D

Acq: 23 Jul 2016 6:22

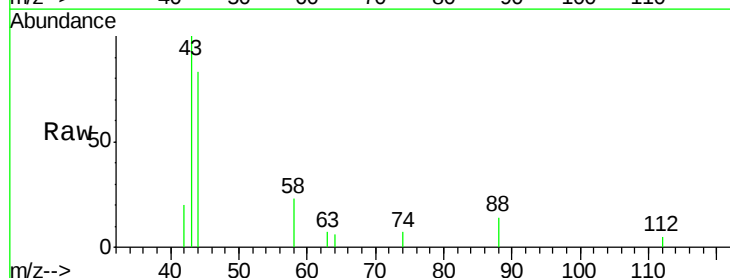
Tgt Ion: 42 Resp: 16

Ion Ratio Lower Upper

42 100

74 0.0 93.4 140.0#

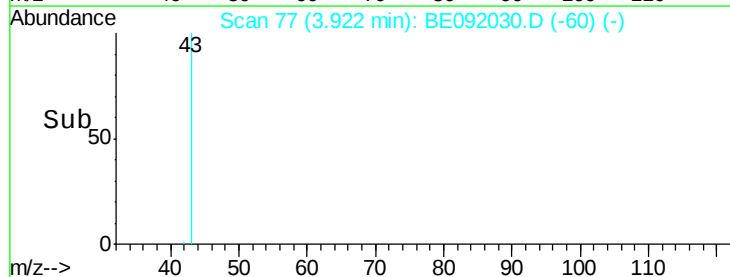
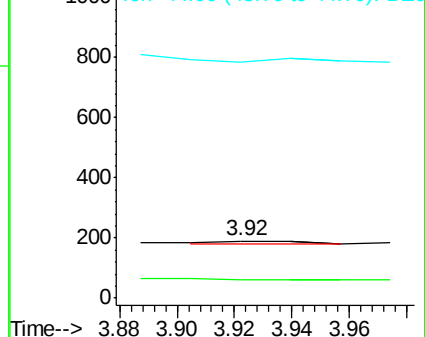
44 0.0 5.0 7.6#

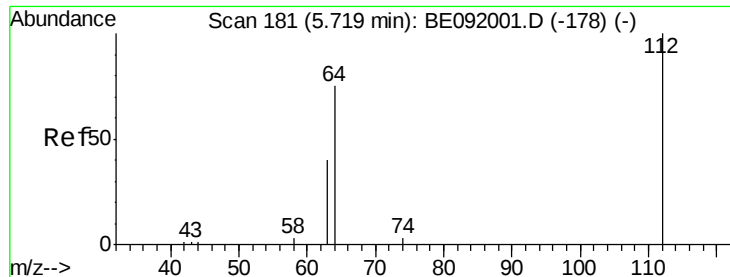


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 7.37 ng

RT: 5.72 min Scan# 181

Delta R.T. 0.00 min

Lab File: BE092030.D

Acq: 23 Jul 2016 6:22

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-3-4-STONE-002

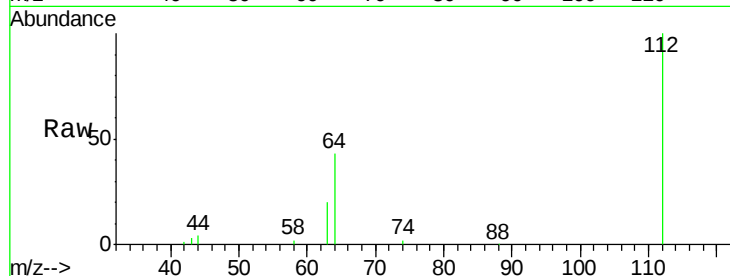
Tgt Ion: 112 Resp: 35367

Ion Ratio Lower Upper

112 100

64 68.1 53.7 80.5

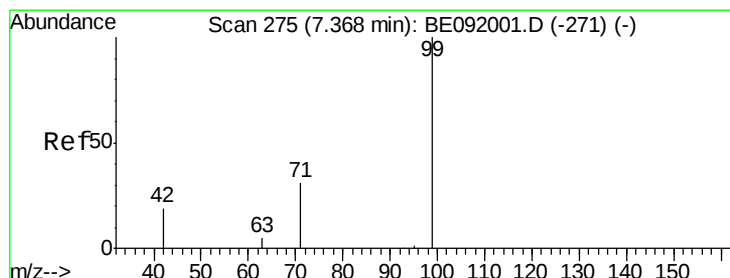
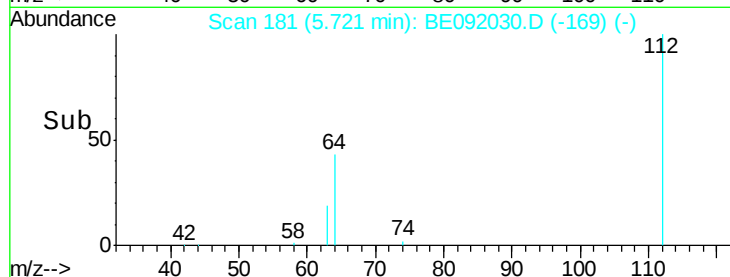
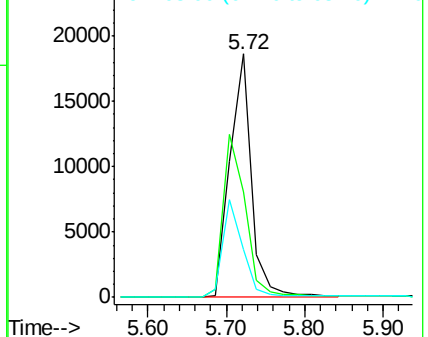
63 37.3 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 6.21 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.02 min

Lab File: BE092030.D

Acq: 23 Jul 2016 6:22

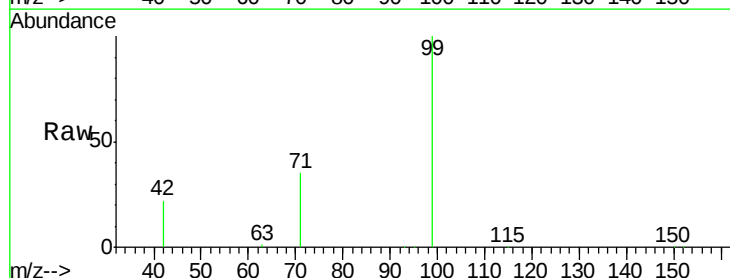
Tgt Ion: 99 Resp: 52737

Ion Ratio Lower Upper

99 100

42 25.2 19.6 29.4

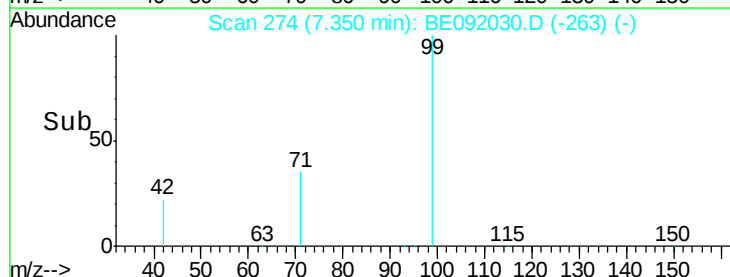
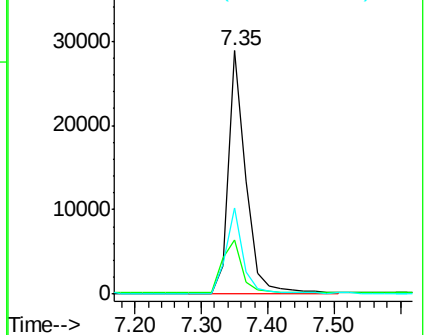
71 34.8 28.1 42.1

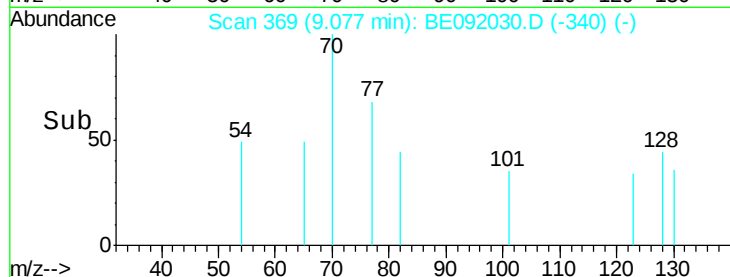
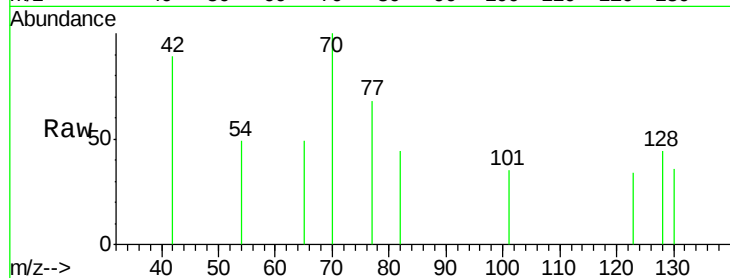
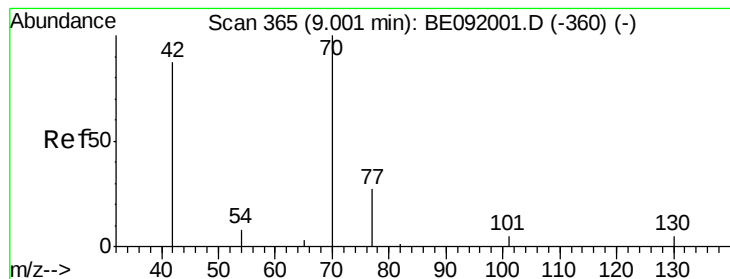


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.03 ng

RT: 9.08 min Scan# 369

Delta R.T. 0.08 min

Lab File: BE092030.D

Acq: 23 Jul 2016 6:22

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-3-4-STONE-002

Tgt Ion: 70 Resp: 193

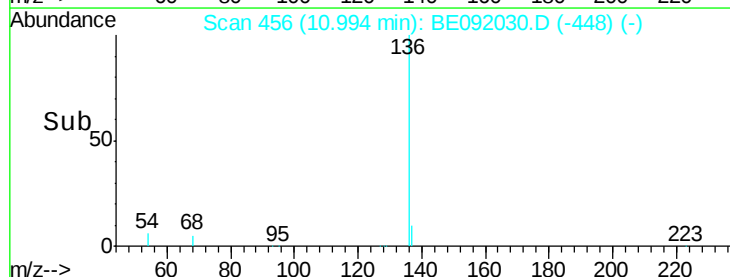
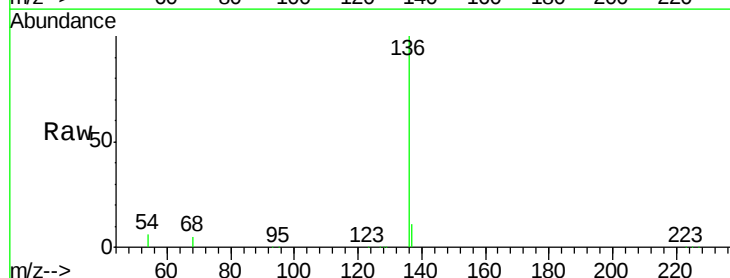
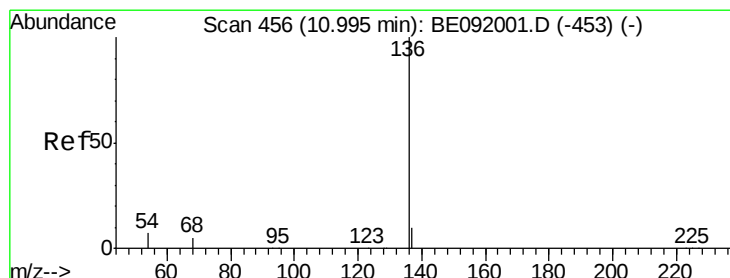
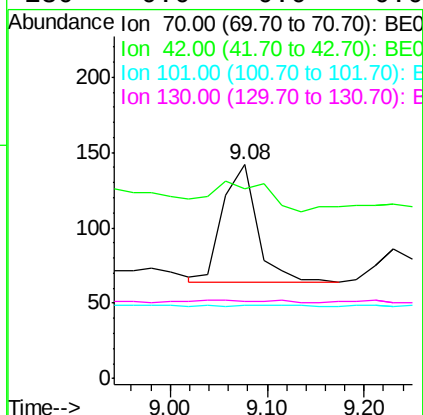
Ion Ratio Lower Upper

70 100

42 39.9 58.4 87.6#

101 0.0 6.4 9.6#

130 0.0 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: BE092030.D

Acq: 23 Jul 2016 6:22

Tgt Ion: 136 Resp: 118935

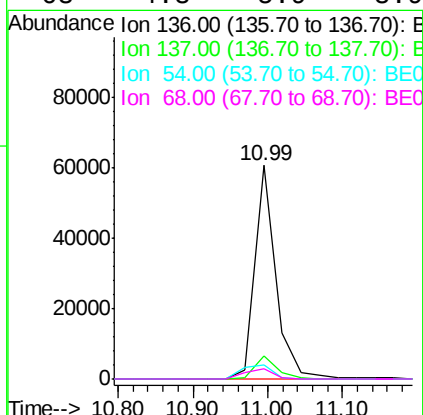
Ion Ratio Lower Upper

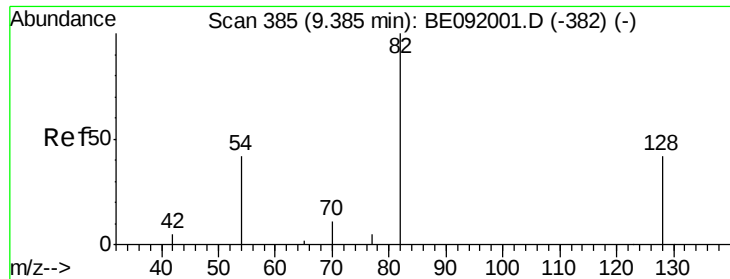
136 100

137 10.5 8.3 12.5

54 6.4 8.2 12.4#

68 4.8 5.9 8.9#

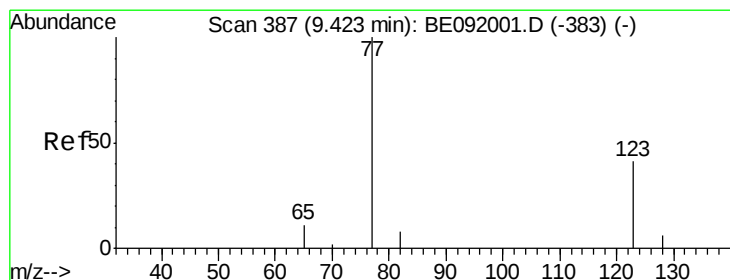
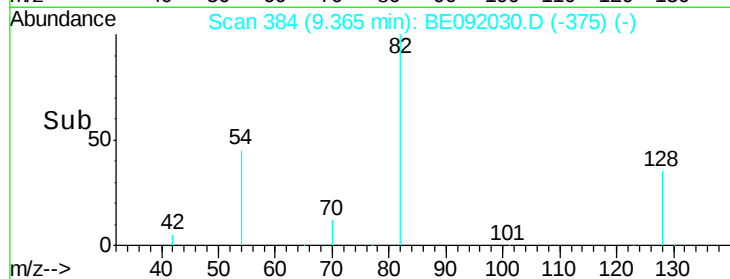
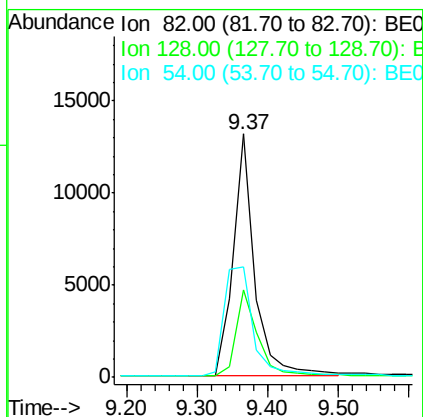
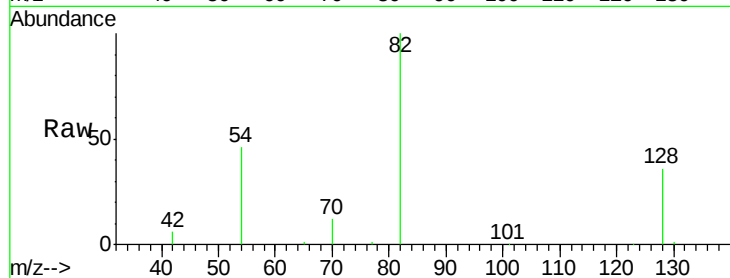




#9
 Nitrobenzene-d5
 Concen: 3.91 ng
 RT: 9.37 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: BE092030.D
 Acq: 23 Jul 2016 6:22

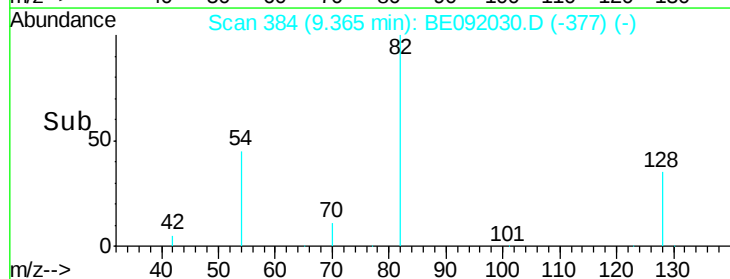
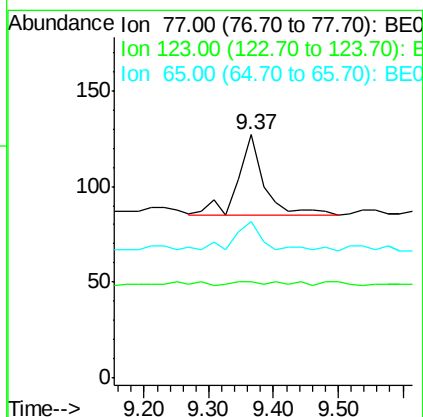
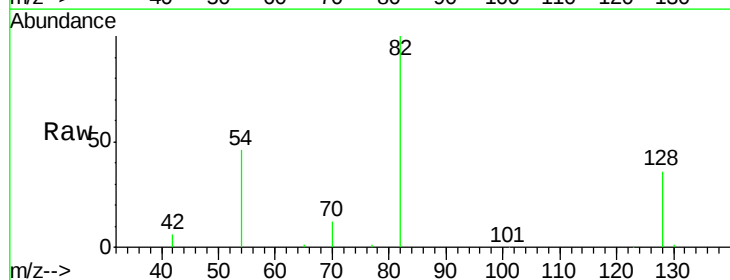
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-3-4-STONE-002

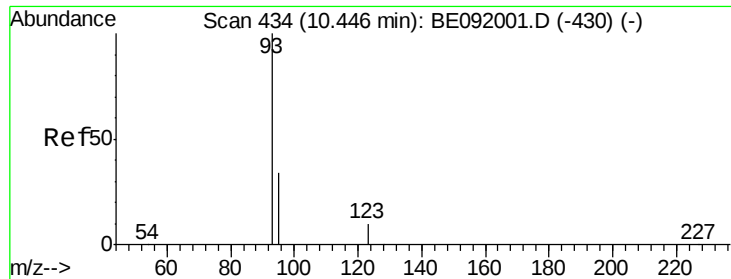
Tgt Ion: 82 Resp: 28012
 Ion Ratio Lower Upper
 82 100
 128 35.7 39.5 59.3#
 54 45.6 30.3 45.5#



#10
 Nitrobenzene
 Concen: 0.14 ng
 RT: 9.37 min Scan# 384
 Delta R.T. -0.06 min
 Lab File: BE092030.D
 Acq: 23 Jul 2016 6:22

Tgt Ion: 77 Resp: 119
 Ion Ratio Lower Upper
 77 100
 123 5.9 0.0 0.0#
 65 31.9 11.1 16.7#

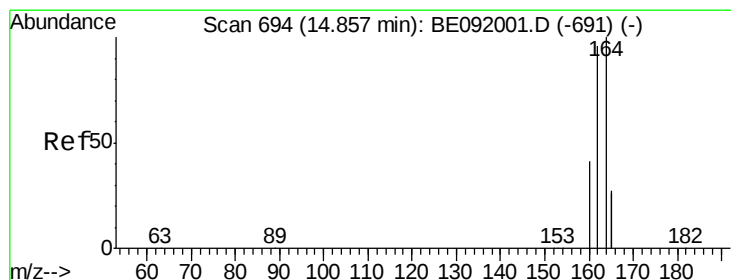
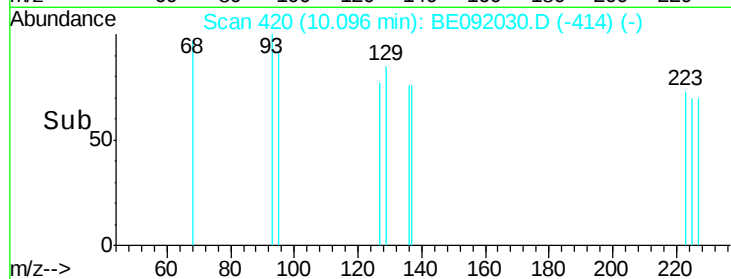
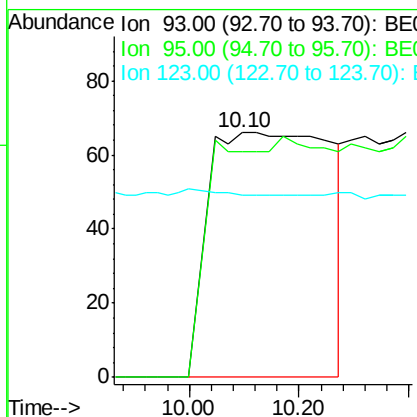
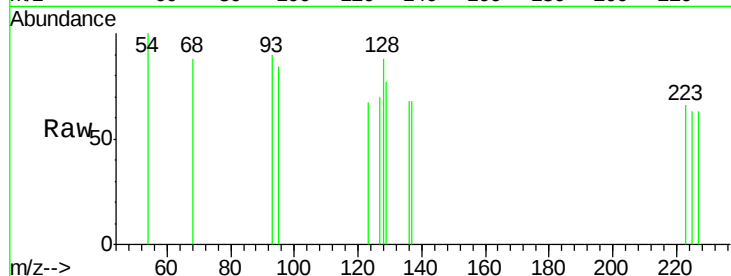




#11
bis(2-Chloroethoxy)methane
Concen: 0.12 ng
RT: 10.10 min Scan# 420
Delta R.T. -0.35 min
Lab File: BE092030.D
Acq: 23 Jul 2016 6:22

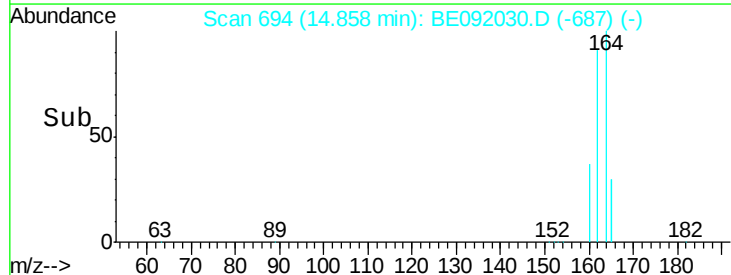
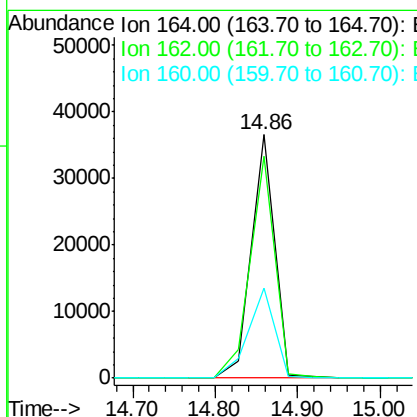
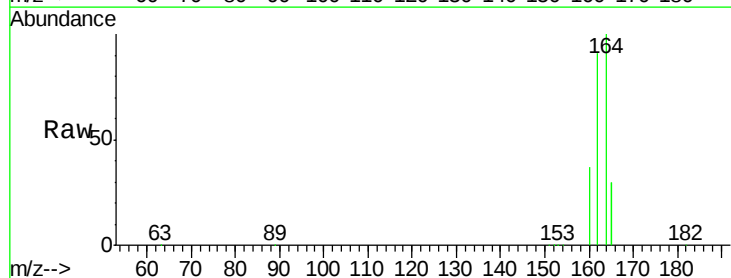
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BNA_E
ClientSampleId :
TILCON-MH-3-4-STONE-002

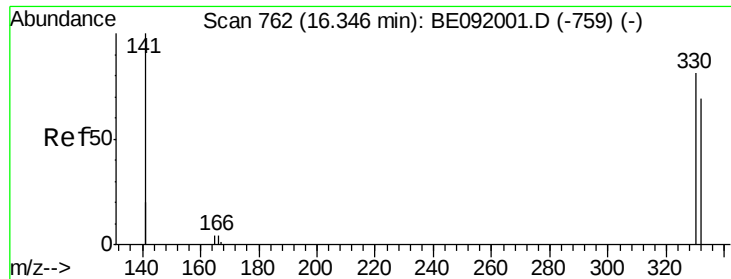
Tgt Ion: 93 Resp: 1055
Ion Ratio Lower Upper
93 100
95 0.0 57.6 86.4#
123 0.0 100.2 150.4#



#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. 0.00 min
Lab File: BE092030.D
Acq: 23 Jul 2016 6:22

Tgt Ion: 164 Resp: 71962
Ion Ratio Lower Upper
164 100
162 91.3 71.8 107.8
160 36.7 28.0 42.0

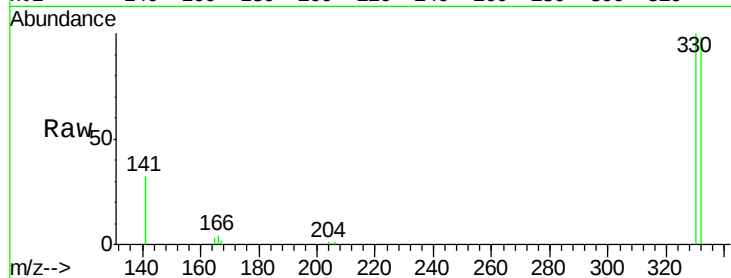




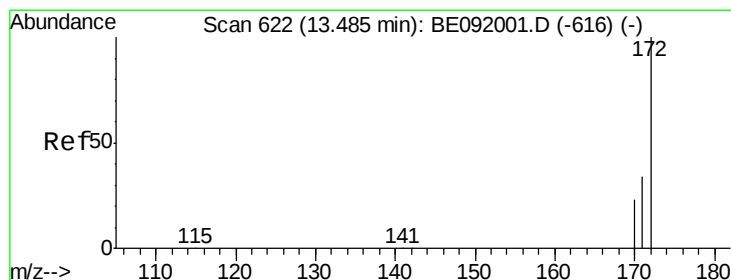
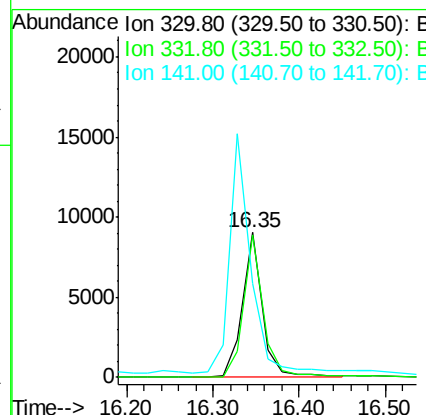
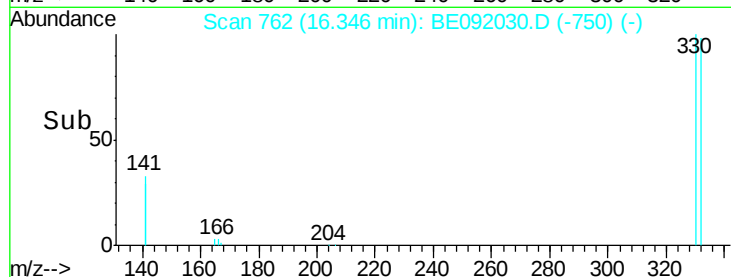
#16
 2,4,6-Tribromophenol
 Concen: 5.77 ng
 RT: 16.35 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE092030.D
 Acq: 23 Jul 2016 6:22

Instrument :
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 ClientSampleId :
 TILCON-MH-3-4-STONE-002

Tgt Ion:330 Resp: 14273
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 175.2 138.4 207.6

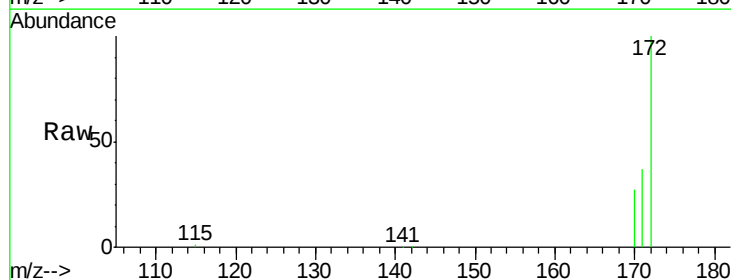


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

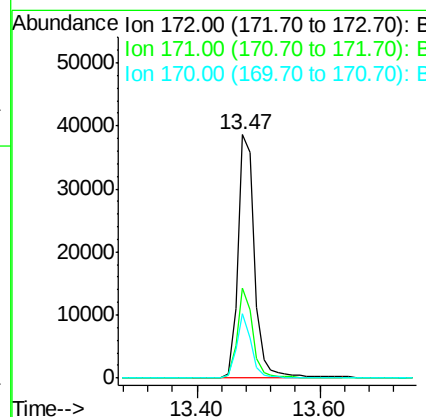
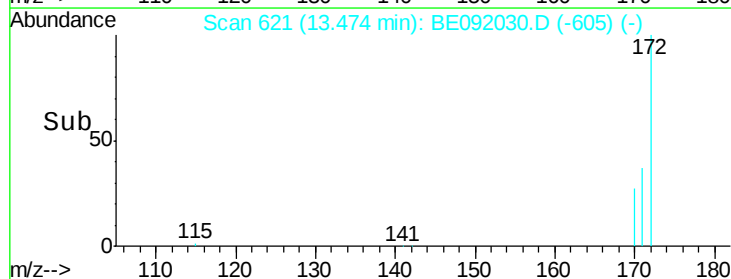


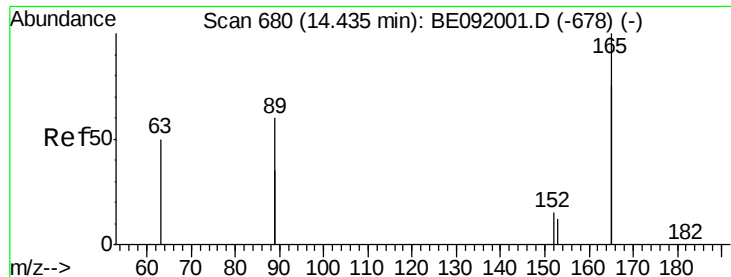
#17
 2-Fluorobiphenyl
 Concen: 3.82 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BE092030.D
 Acq: 23 Jul 2016 6:22

Tgt Ion:172 Resp: 72320
 Ion Ratio Lower Upper
 172 100
 171 36.9 24.3 36.5#
 170 26.6 14.9 22.3#



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

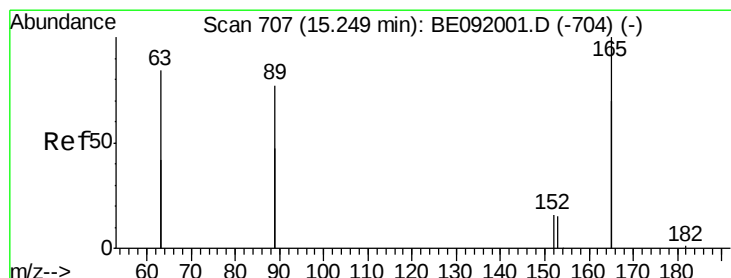
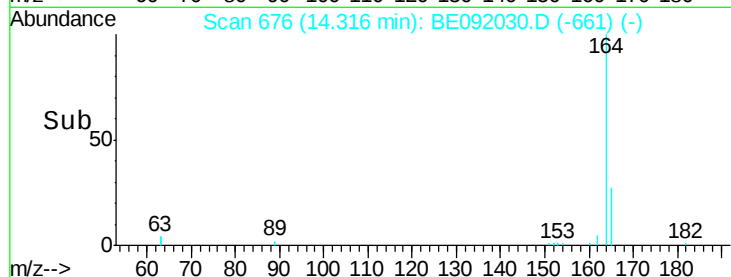
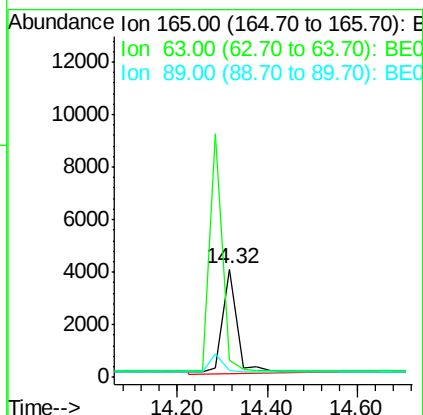
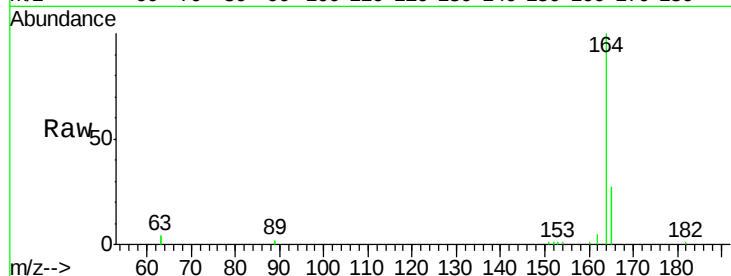




#19
2,6-Dinitrotoluene
Concen: 0.60 ng
RT: 14.32 min Scan# 676
Delta R.T. -0.12 min
Lab File: BE092030.D
Acq: 23 Jul 2016 6:22

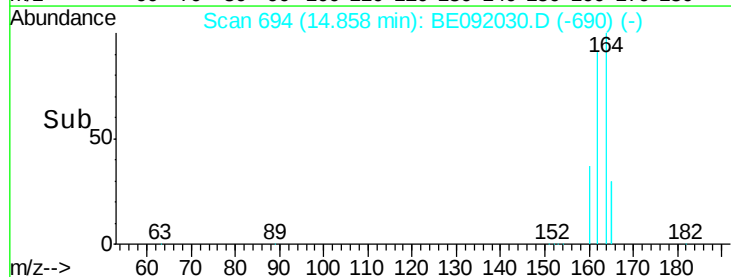
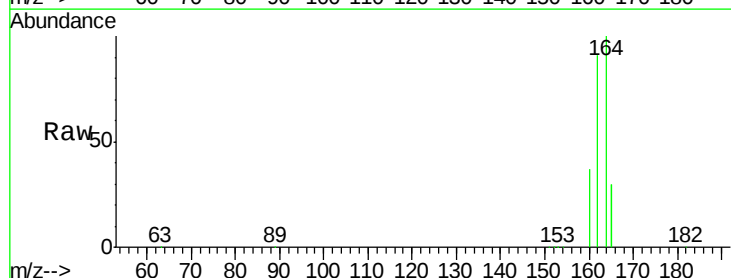
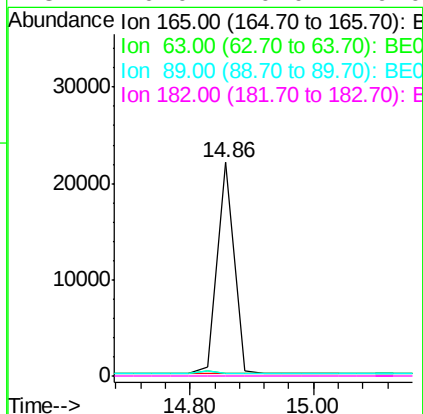
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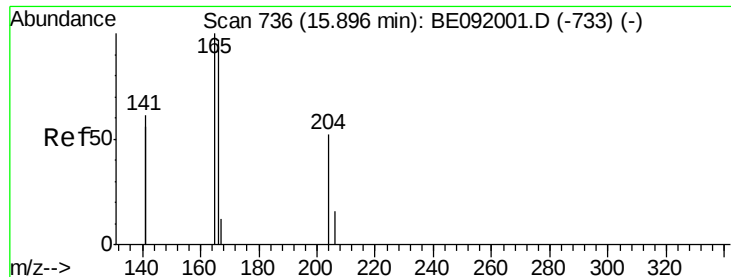
Tgt Ion:165 Resp: 9145
Ion Ratio Lower Upper
165 100
63 0.0 65.9 98.9#
89 0.0 59.1 88.7#



#21
2,4-Dinitrotoluene
Concen: 2.23 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.39 min
Lab File: BE092030.D
Acq: 23 Jul 2016 6:22

Tgt Ion:165 Resp: 42022
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 0.0 99.8 149.8#
182 0.0 0.0 0.0

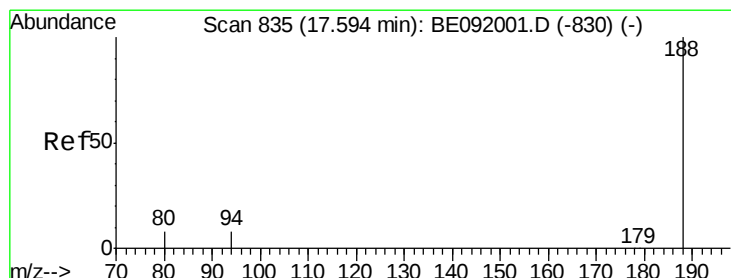
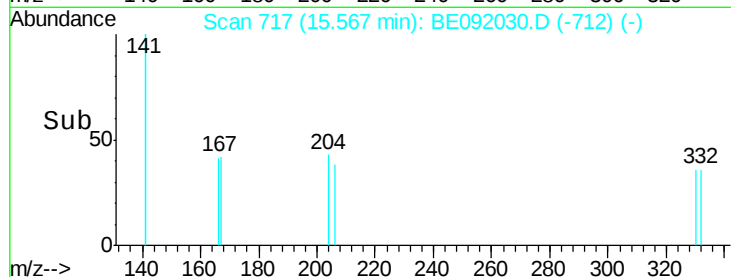
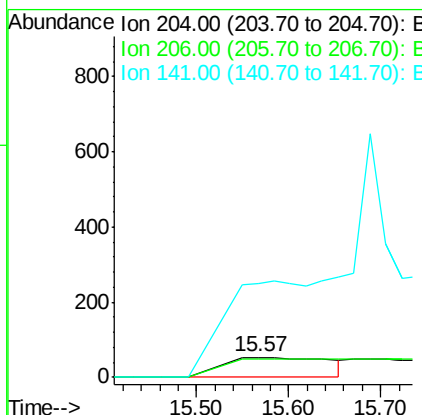
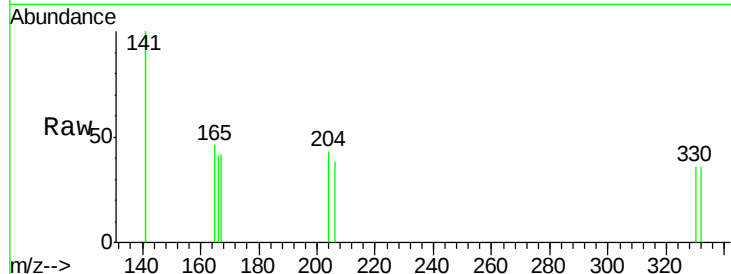




#23
4-Chlorophenyl-phenylether
Concen: 0.04 ng
RT: 15.57 min Scan# 717
Delta R.T. -0.33 min
Lab File: BE092030.D
Acq: 23 Jul 2016 6:22

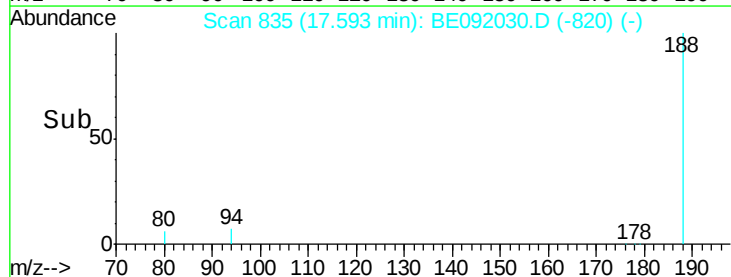
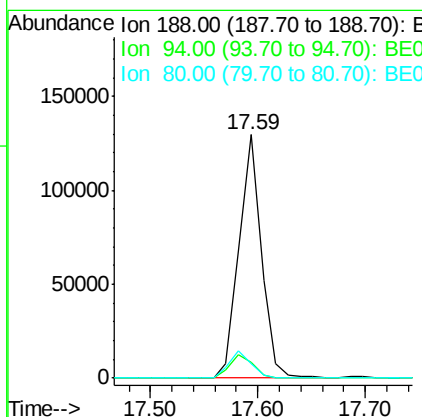
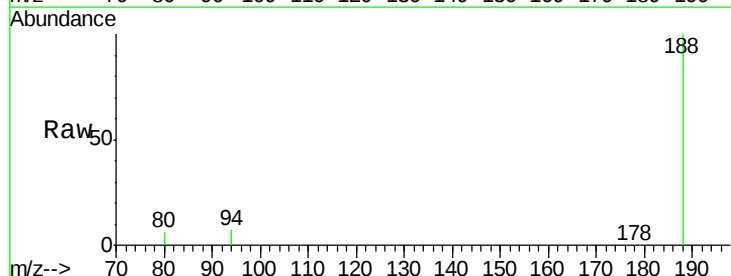
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-3-4-STONE-002

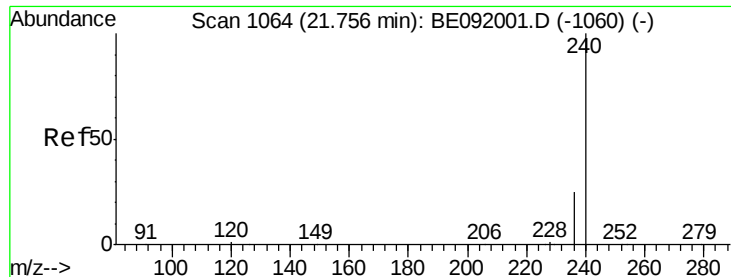
Tgt Ion: 204 Resp: 490
Ion Ratio Lower Upper
204 100
206 75.1 27.8 41.6#
141 389.2 197.6 296.4#



#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE092030.D
Acq: 23 Jul 2016 6:22

Tgt Ion: 188 Resp: 186370
Ion Ratio Lower Upper
188 100
94 6.6 4.1 6.1#
80 5.8 3.4 5.2#





#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092030.D

Acq: 23 Jul 2016 6:22

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-3-4-STONE-002

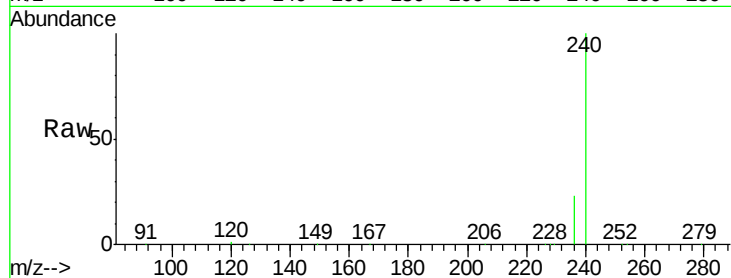
Tgt Ion:240 Resp: 220806

Ion Ratio Lower Upper

240 100

120 0.7 1.2 1.8#

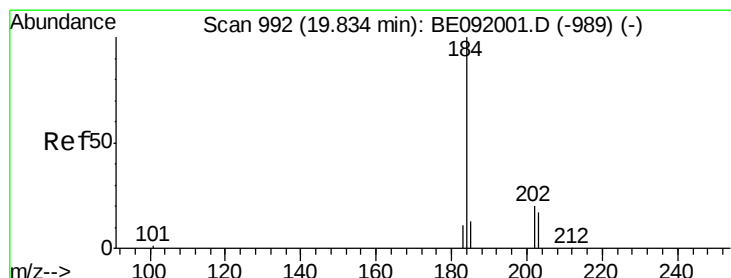
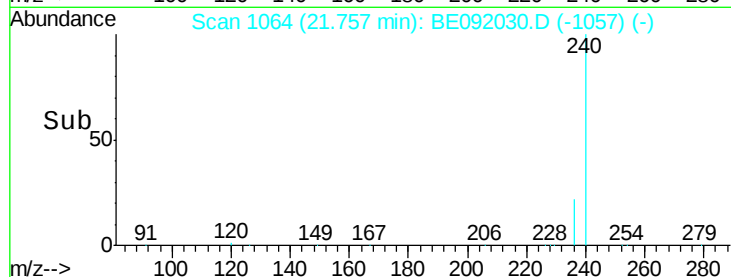
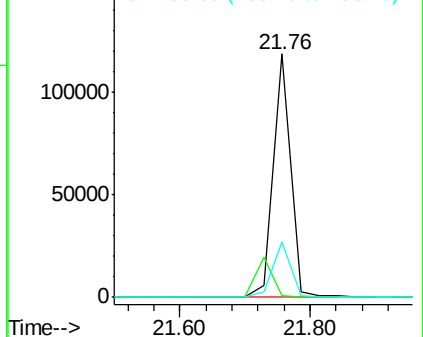
236 22.5 19.8 29.8



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: 0.38 ng

RT: 20.20 min Scan# 1008

Delta R.T. 0.36 min

Lab File: BE092030.D

Acq: 23 Jul 2016 6:22

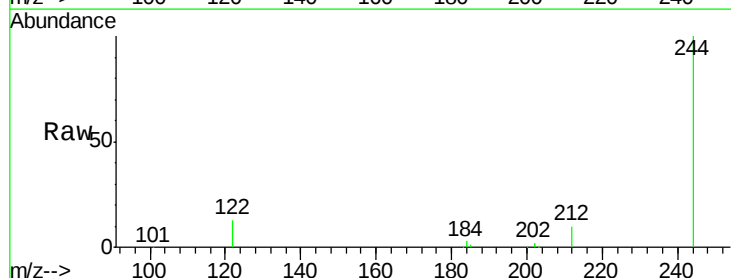
Tgt Ion:184 Resp: 2212

Ion Ratio Lower Upper

184 100

185 22.5 11.4 17.2#

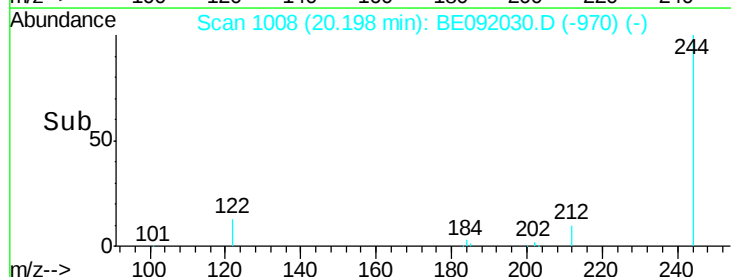
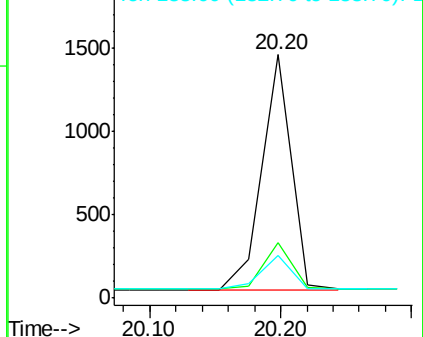
183 17.3 11.8 17.6

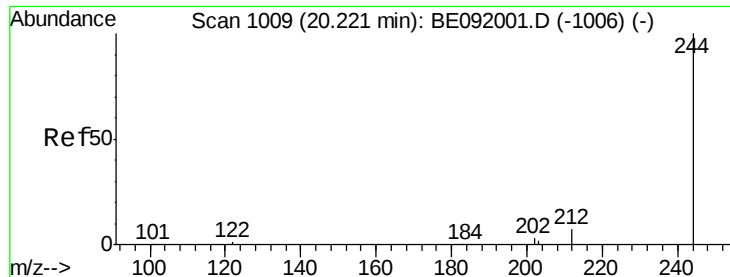


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#34

Terphenyl-d14

Concen: 4.92 ng

RT: 20.20 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BE092030.D

Acq: 23 Jul 2016 6:22

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-3-4-STONE-002

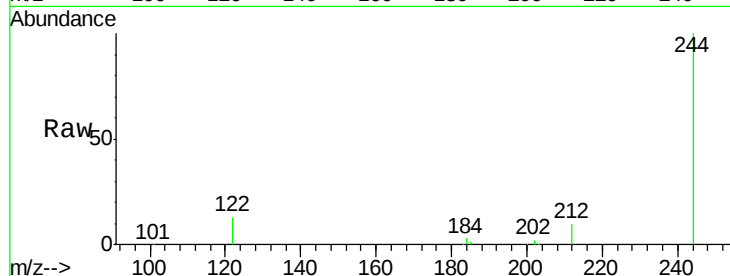
Tgt Ion:244 Resp: 109117

Ion Ratio Lower Upper

244 100

212 10.3 6.5 9.7#

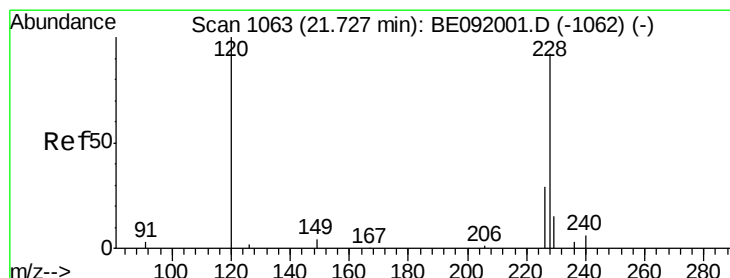
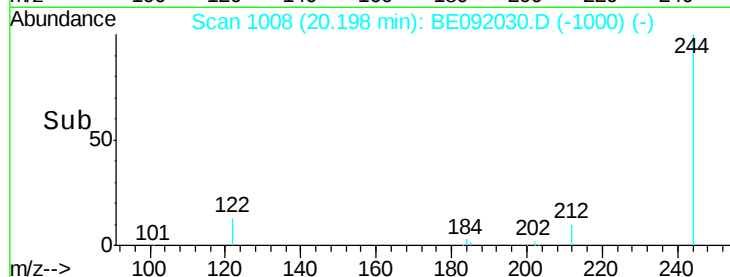
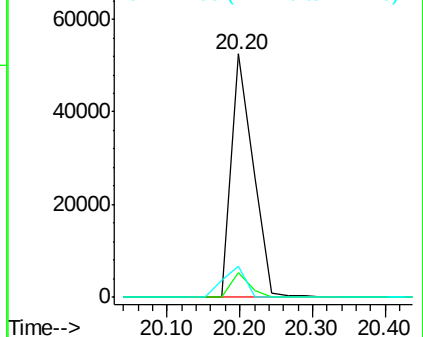
122 12.7 2.9 4.3#



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: 0.03 ng

RT: 21.79 min Scan# 1065

Delta R.T. 0.06 min

Lab File: BE092030.D

Acq: 23 Jul 2016 6:22

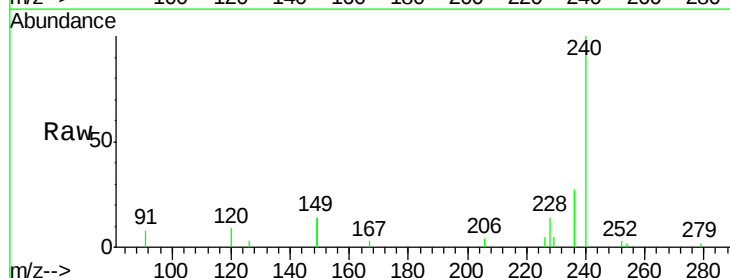
Tgt Ion:228 Resp: 1538

Ion Ratio Lower Upper

228 100

226 38.3 21.0 31.4#

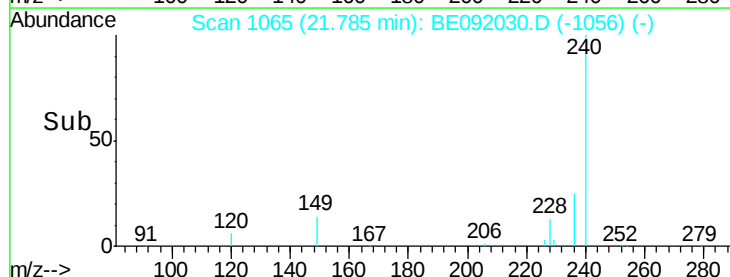
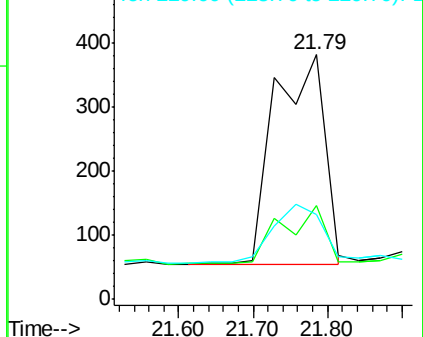
229 34.4 15.8 23.8#

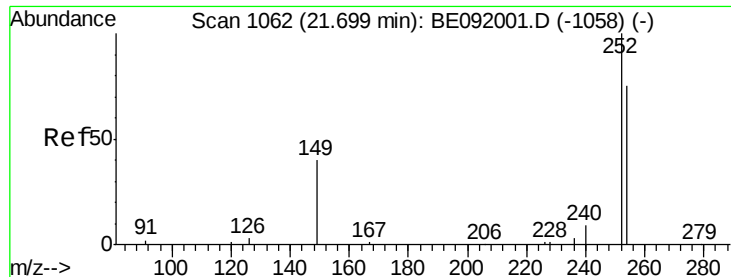


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

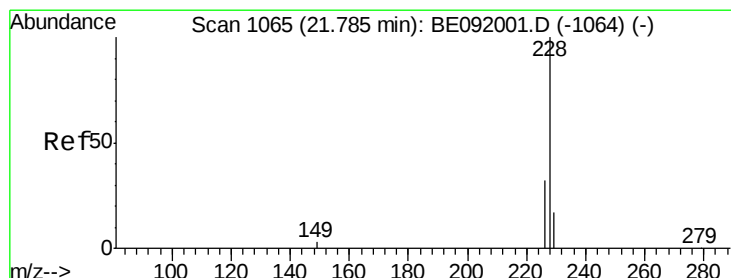
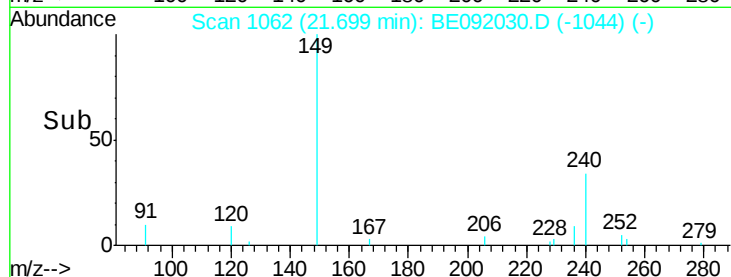
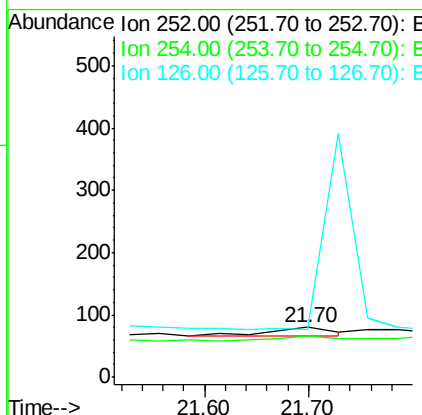
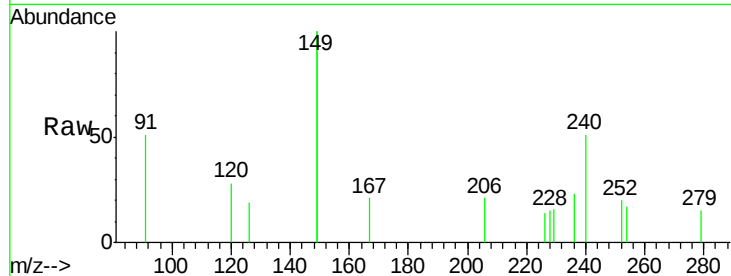




#36
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 21.70 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: BE092030.D
 Acq: 23 Jul 2016 6:22

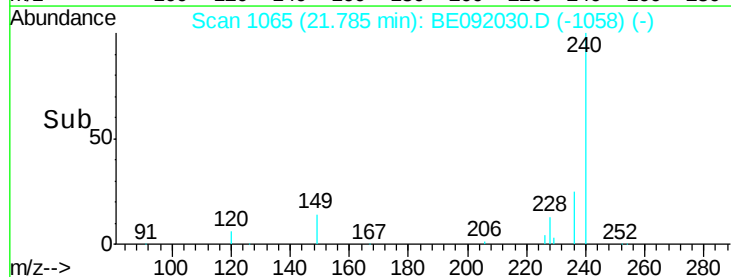
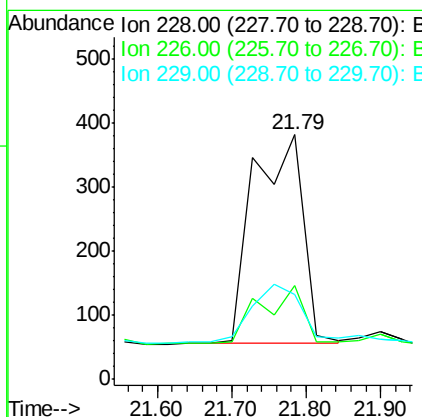
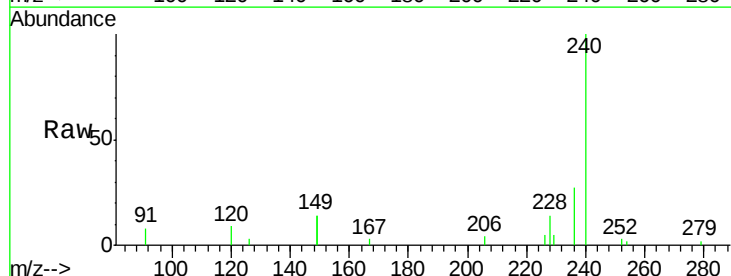
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-3-4-STONE-002

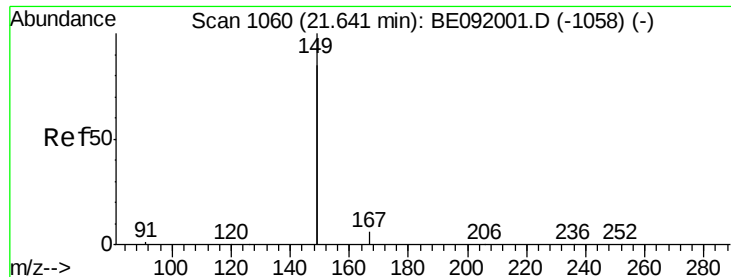
Tgt Ion: 252 Resp: 55
 Ion Ratio Lower Upper
 252 100
 254 83.8 61.5 92.3
 126 95.0 2.5 3.7#



#37
 Chrysene
 Concen: 0.03 ng
 RT: 21.79 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: BE092030.D
 Acq: 23 Jul 2016 6:22

Tgt Ion: 228 Resp: 1523
 Ion Ratio Lower Upper
 228 100
 226 38.3 27.0 40.6
 229 34.4 13.8 20.8#

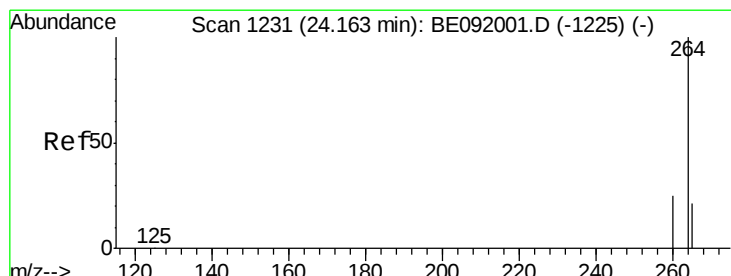
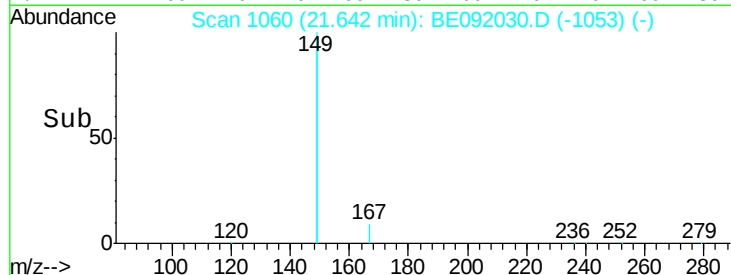
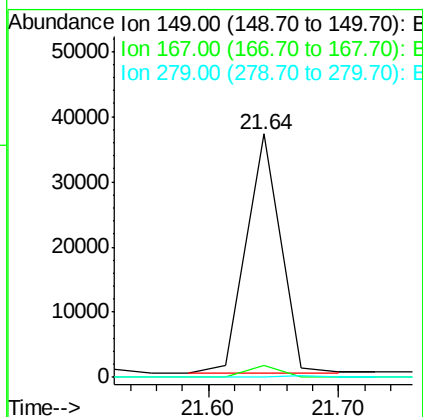
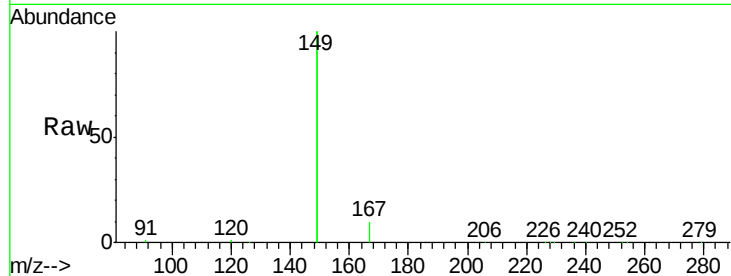




#38
 Bis(2-ethylhexyl)phthalate
 Concen: 1.58 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092030.D
 Acq: 23 Jul 2016 6:22

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-3-4-STONE-002

Tgt Ion:149 Resp: 66159
 Ion Ratio Lower Upper
 149 100
 167 4.8 0.0 0.0#
 279 0.0 0.0 0.0



#40
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.15 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BE092030.D
 Acq: 23 Jul 2016 6:22

Tgt Ion:264 Resp: 192985
 Ion Ratio Lower Upper
 264 100
 260 26.1 20.3 30.5
 265 21.3 17.6 26.4

