

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090916\
 Data File : BE092363.D
 Acq On : 9 Sep 2016 20:16
 Operator : UM/SJ
 Sample : H4728-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-006

Quant Time: Sep 10 02:09:15 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	8509	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	39014	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	25261	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	61955	5.00	ng	0.00
24) Chrysene-d12	21.75	240	82647	5.00	ng	0.00
31) Perylene-d12	24.10	264	80548	5.00	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	3558	1.76	ng	0.00
5) Phenol-d6	7.34	99	4000	1.48	ng	-0.02
8) Nitrobenzene-d5	9.36	82	1584	0.57	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	1615	2.06	ng	0.00
14) 2-Fluorobiphenyl	13.46	172	5729	0.74	ng	0.01
26) Terphenyl-d14	20.17	244	26944	2.20	ng	0.00

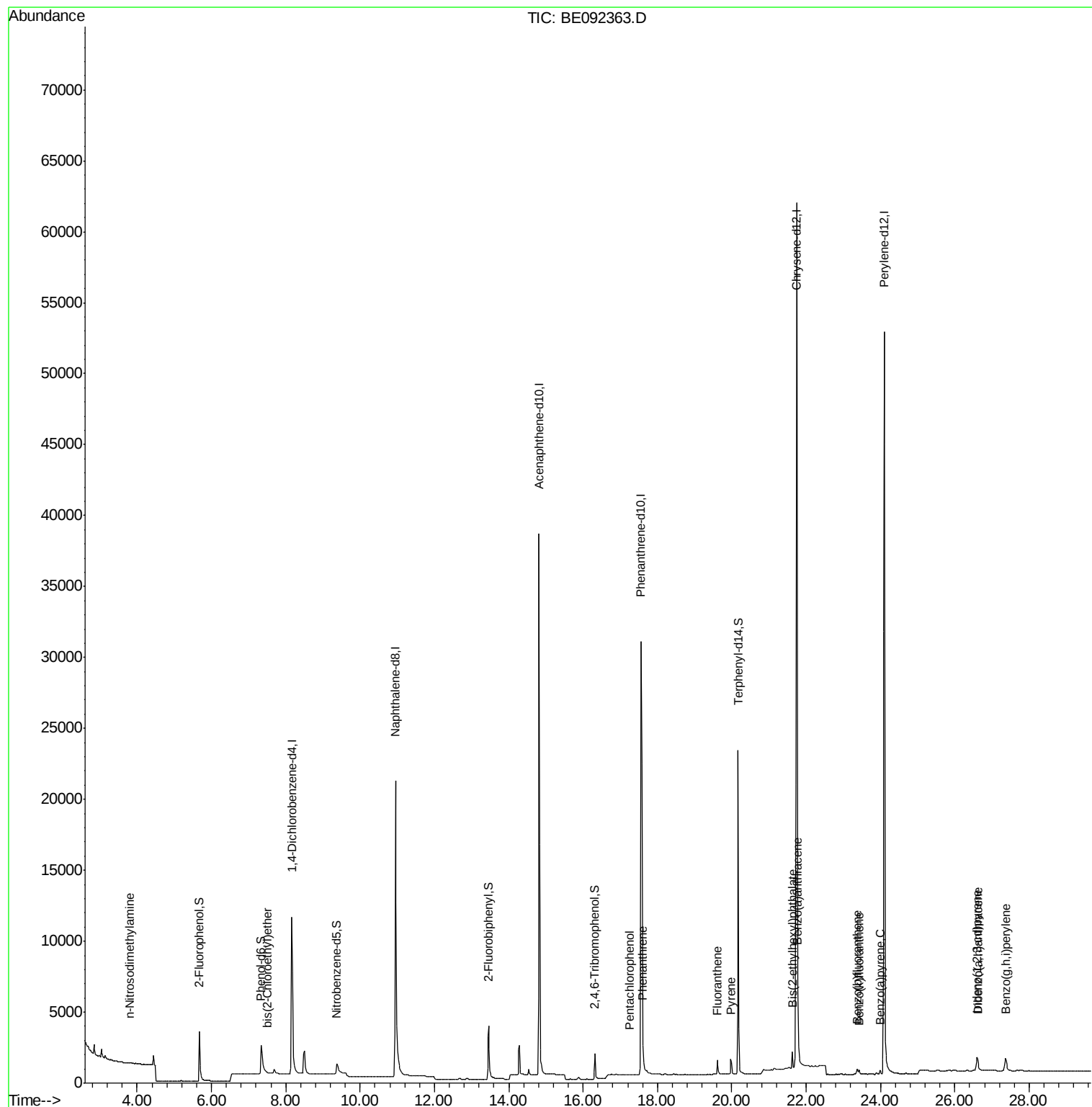
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.42	88	46	Below Cal	#	53
3) n-Nitrosodimethylamine	3.81	42	8	0.08	ng	# 83
6) bis(2-Chloroethyl)ether	7.50	93	86	0.10	ng	# 15
20) Pentachlorophenol	17.26	266	33	0.11	ng	# 75
21) Phenanthrene	17.60	178	405	0.02	ng	# 87
23) Fluoranthene	19.61	202	1773	0.02	ng	# 92
25) Pyrene	19.97	202	1930	0.02	ng	96
27) Benzo(a)anthracene	21.77	228	5170	0.06	ng	# 80
28) Chrysene	21.77	228	5176	Below Cal	#	81
29) Bis(2-ethylhexyl)phthalate	21.63	149	1342	0.17	ng	# 74
30) Indeno(1,2,3-cd)pyrene	26.60	276	2343	0.02	ng	96
32) Benzo(b)fluoranthene	23.38	252	641	0.03	ng	# 28
33) Benzo(k)fluoranthene	23.43	252	452	0.02	ng	# 26
34) Benzo(a)pyrene	23.99	252	496	0.02	ng	# 25
35) Dibenzo(a,h)anthracene	26.62	278	385	0.02	ng	# 27
36) Benzo(g,h,i)perylene	27.37	276	2499	0.03	ng	# 59

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-006

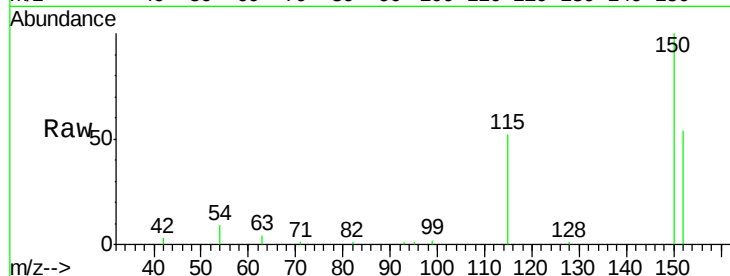
Tgt Ion:152 Resp: 8509

Ion Ratio Lower Upper

152 100

150 186.6 106.0 159.0#

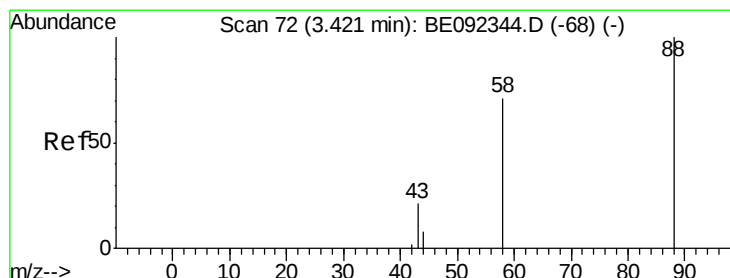
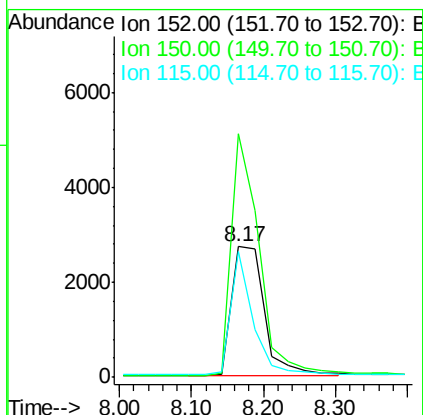
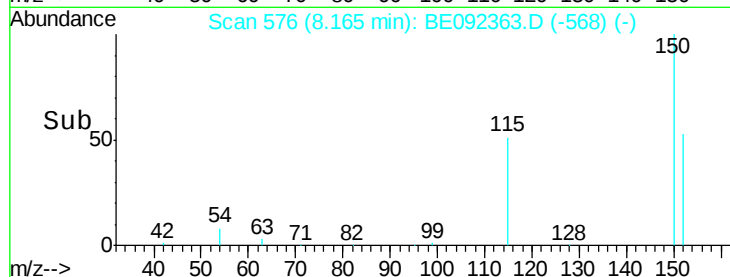
115 96.9 31.2 46.8#



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: Below Cal

RT: 3.42 min Scan# 72

Delta R.T. -0.00 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

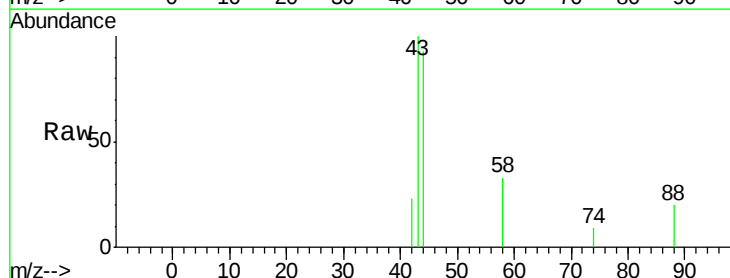
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

58 115.2 63.6 95.4#

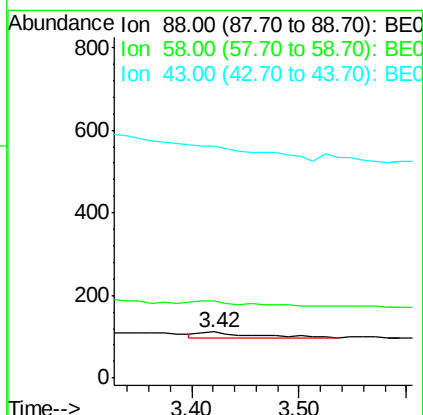
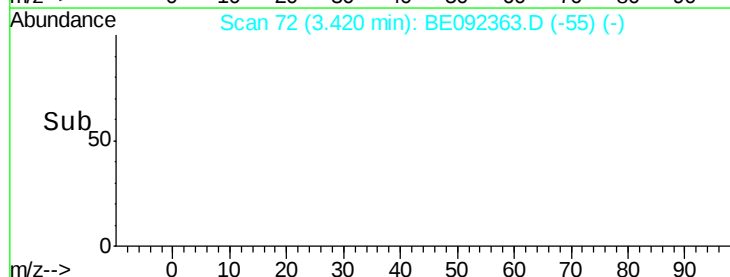
43 0.0 28.0 42.0#

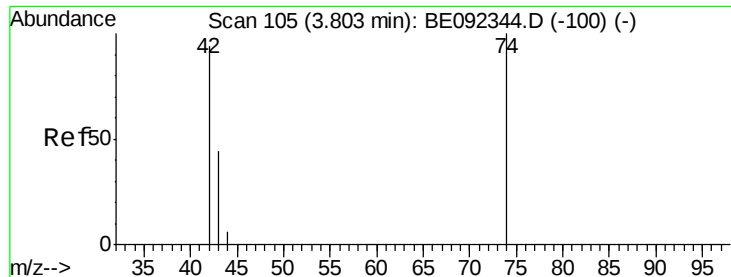


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.08 ng

RT: 3.81 min Scan# 106

Delta R.T. 0.01 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

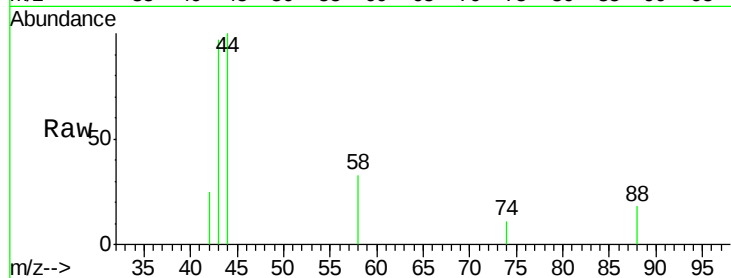
Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-006

Tgt Ion:	42	Resp:	8
Ion	Ratio	Lower	Upper
42	100		
74	125.0	86.0	129.0
44	0.0	5.1	7.7#

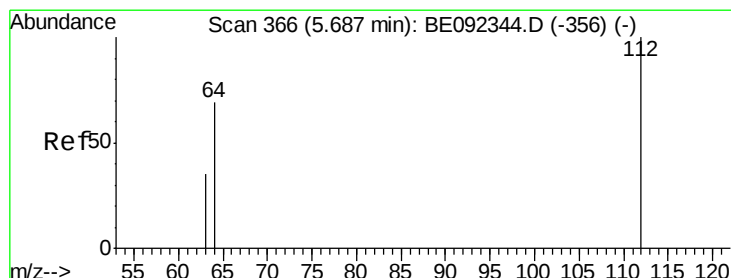
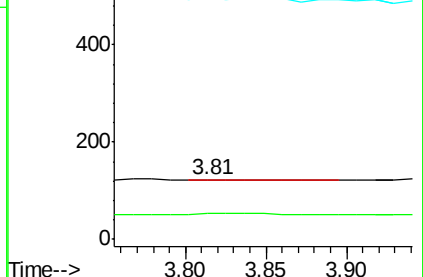
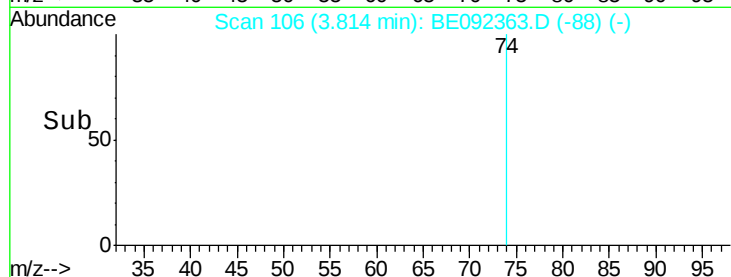


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

Time-->



#4

2-Fluorophenol

Concen: 1.76 ng

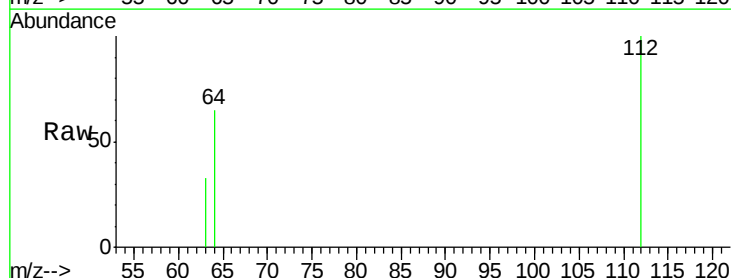
RT: 5.68 min Scan# 365

Delta R.T. -0.01 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

Tgt Ion:	112	Resp:	3558
Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.5	80.3
63	36.2	27.9	41.9

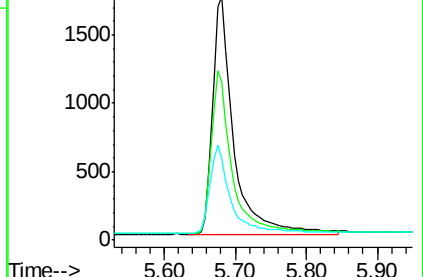
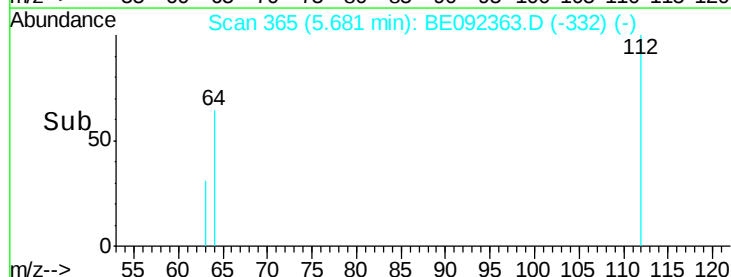


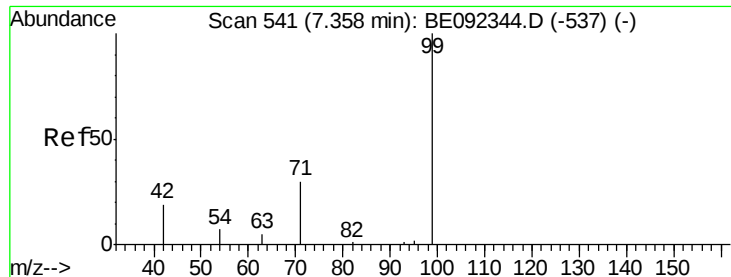
Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Time-->





#5

Phenol-d6

Concen: 1.48 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

Instrument :

BNA_E

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TILCON-MH-SF-006

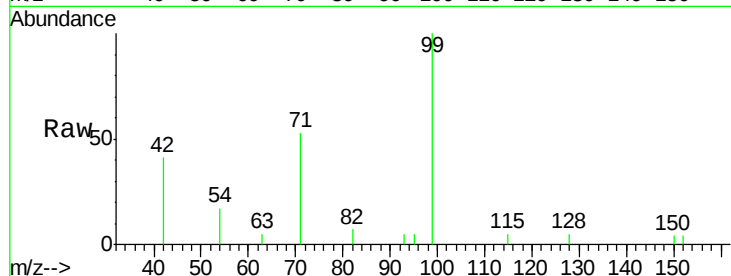
Tgt Ion: 99 Resp: 4000

Ion Ratio Lower Upper

99 100

42 24.9 16.0 24.0#

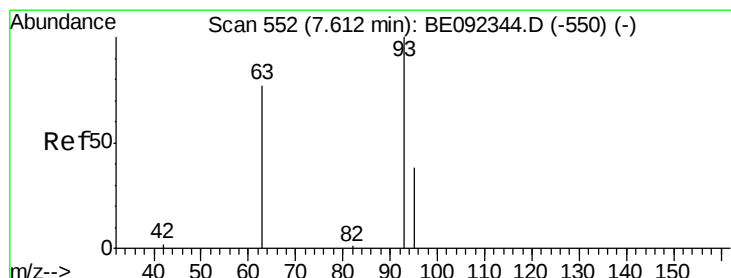
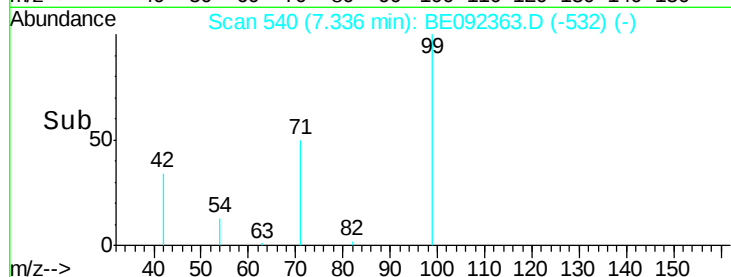
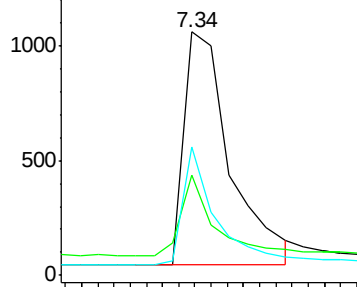
71 35.6 30.6 45.8



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: 0.10 ng

RT: 7.50 min Scan# 547

Delta R.T. -0.11 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

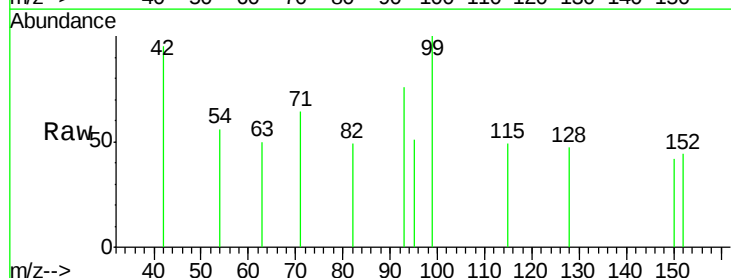
Tgt Ion: 93 Resp: 86

Ion Ratio Lower Upper

93 100

63 0.0 71.6 107.4#

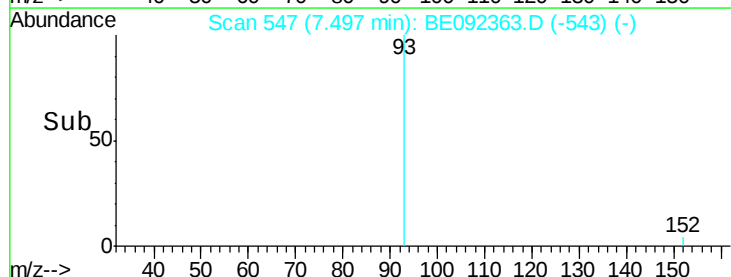
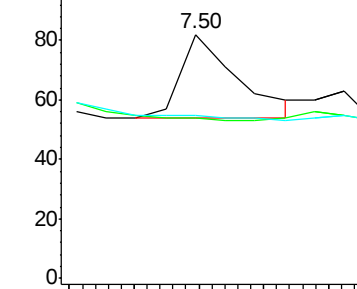
95 0.0 24.0 36.0#

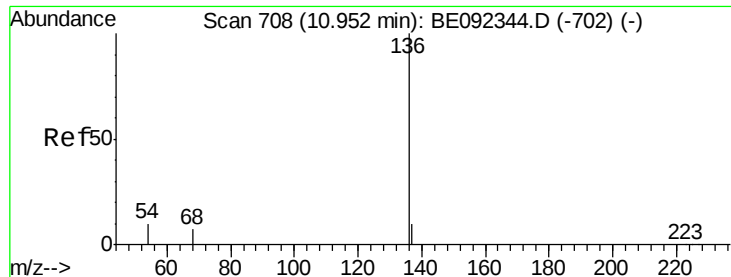


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

Instrument :

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TILCON-MH-SF-006

Tgt Ion:136 Resp: 39014

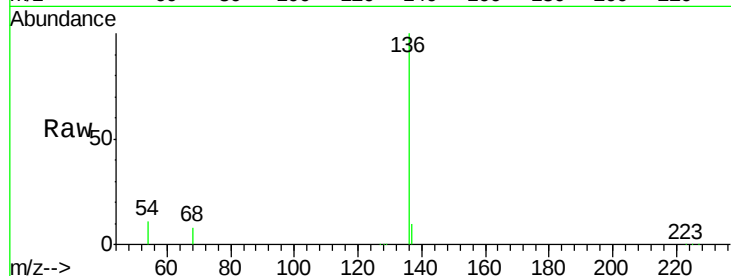
Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.4

54 10.9 9.6 14.4

68 7.7 6.7 10.1

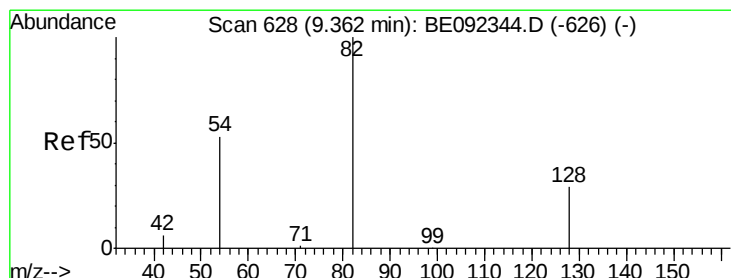
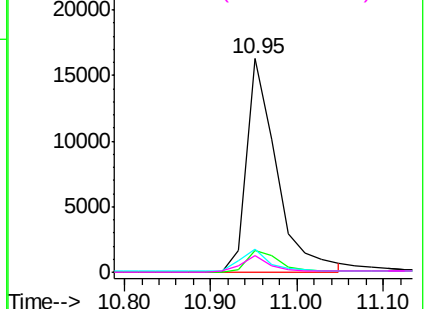
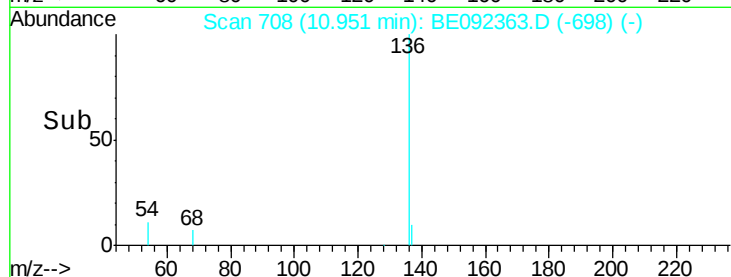


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.57 ng

RT: 9.36 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

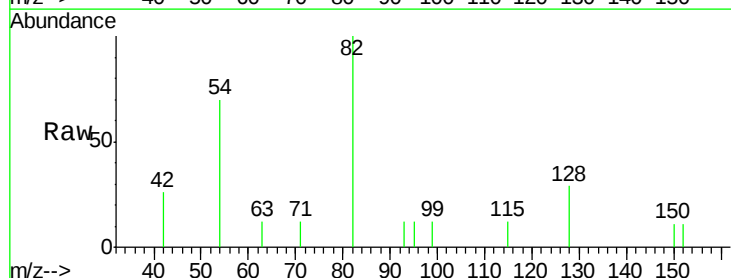
Tgt Ion: 82 Resp: 1584

Ion Ratio Lower Upper

82 100

128 29.0 39.0 58.4#

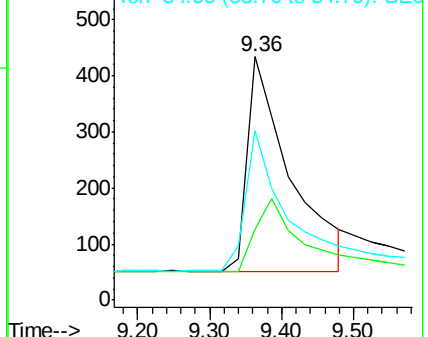
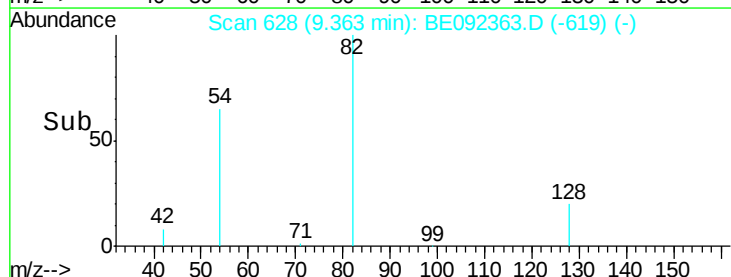
54 69.8 44.8 67.2#

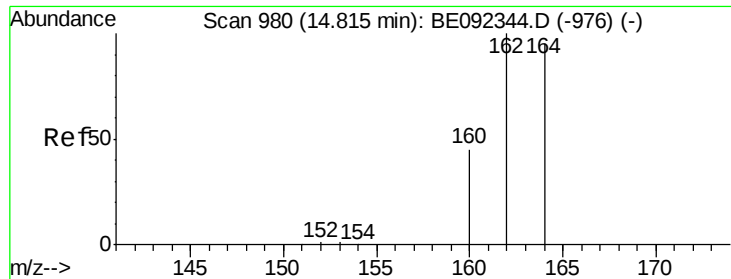


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.81 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-006

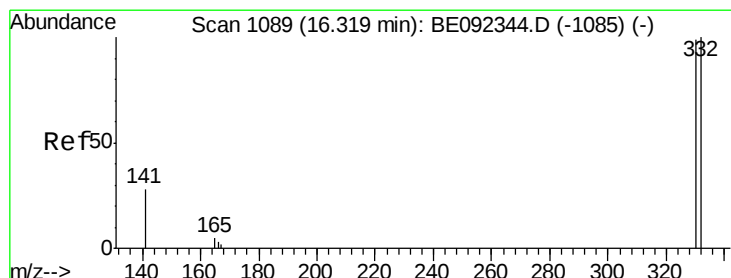
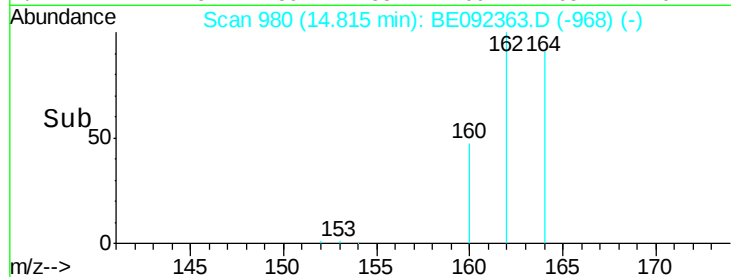
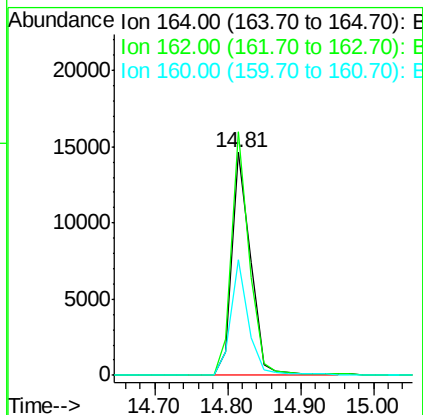
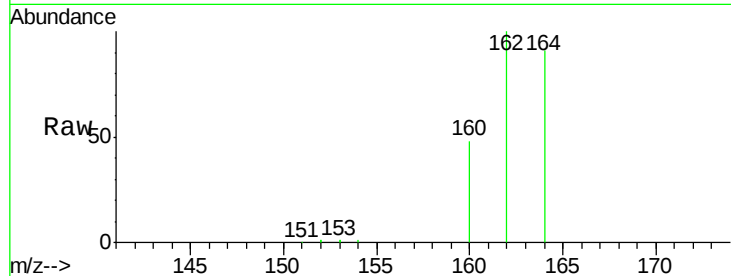
Tgt Ion:164 Resp: 25261

Ion Ratio Lower Upper

164 100

162 109.3 71.4 107.0#

160 52.0 27.4 41.2#



#13

2,4,6-Tribromophenol

Concen: 2.06 ng

RT: 16.32 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

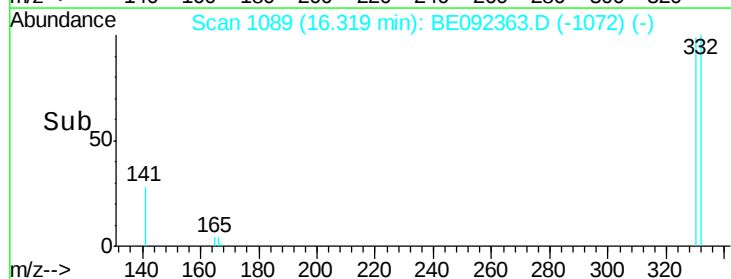
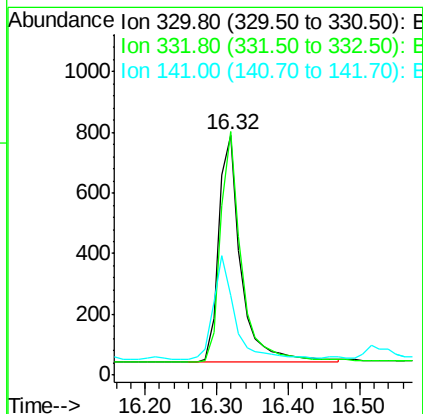
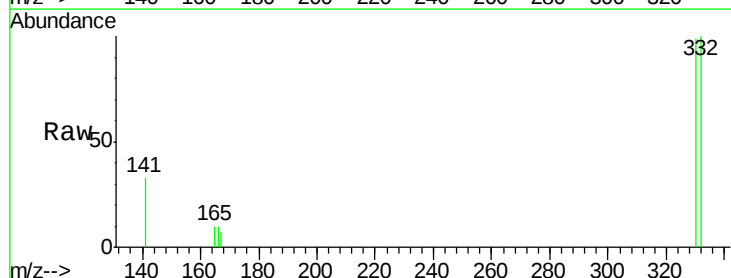
Tgt Ion:330 Resp: 1615

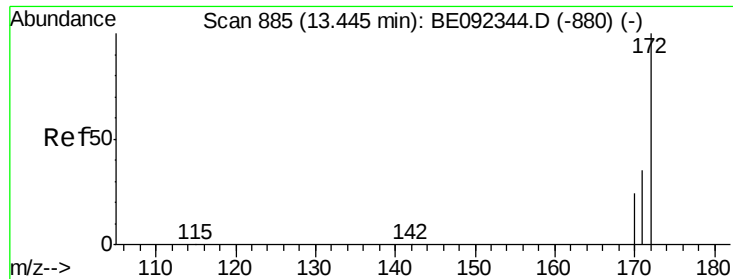
Ion Ratio Lower Upper

330 100

332 96.4 75.4 113.0

141 43.3 31.0 46.6

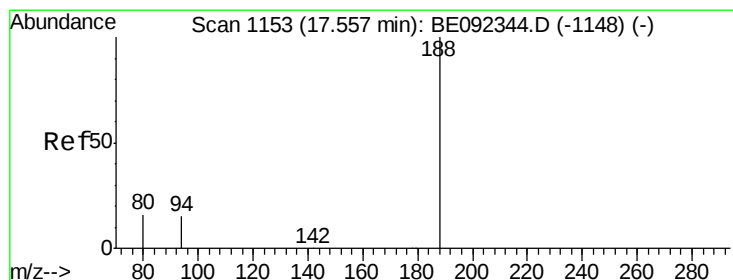
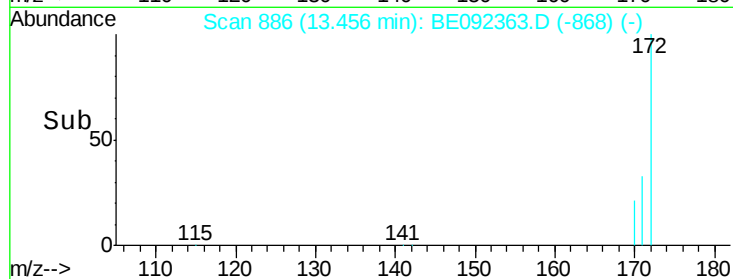
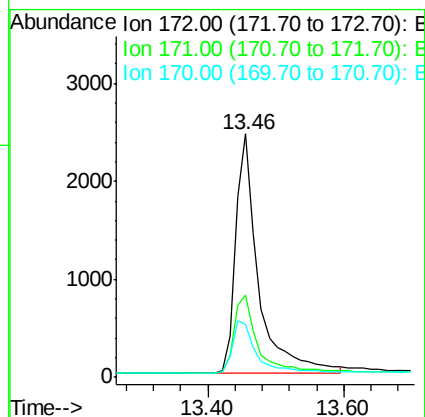
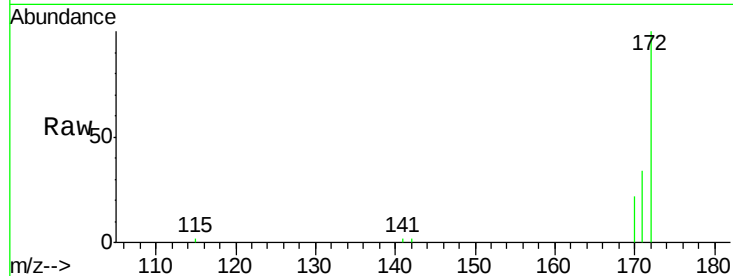




#14
2-Fluorobiphenyl
Concen: 0.74 ng
RT: 13.46 min Scan# 886
Delta R.T. 0.01 min
Lab File: BE092363.D
Acq: 9 Sep 2016 20:16

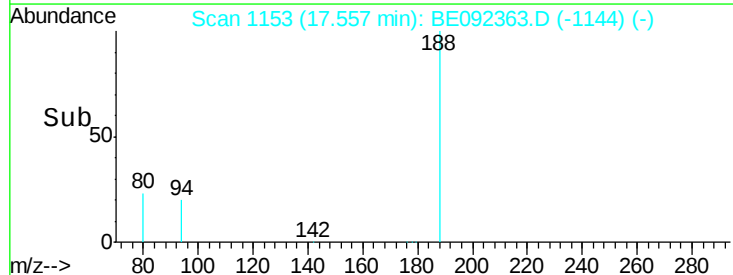
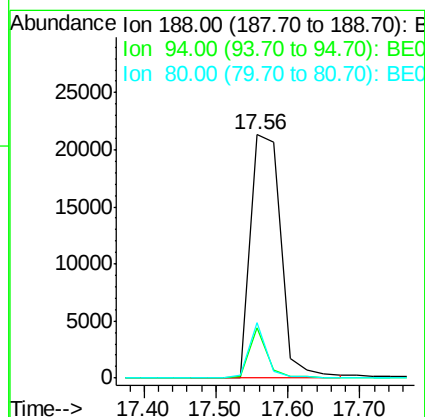
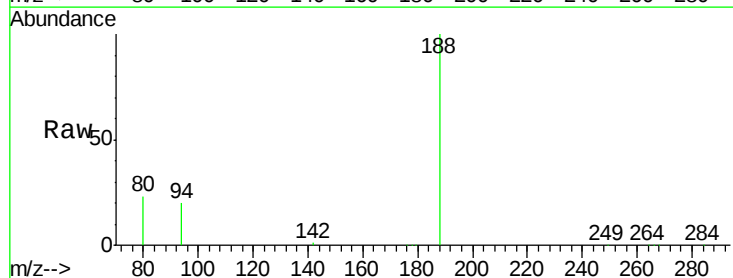
Instrument :
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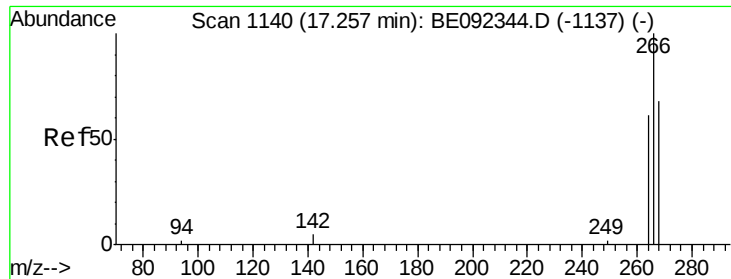
Tgt Ion:172 Resp: 5729
Ion Ratio Lower Upper
172 100
171 33.8 30.1 45.1
170 22.0 21.8 32.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092363.D
Acq: 9 Sep 2016 20:16

Tgt Ion:188 Resp: 61955
Ion Ratio Lower Upper
188 100
94 20.5 3.2 4.8#
80 22.9 2.6 3.8#

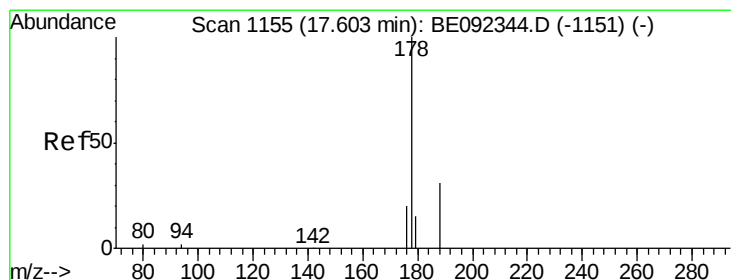
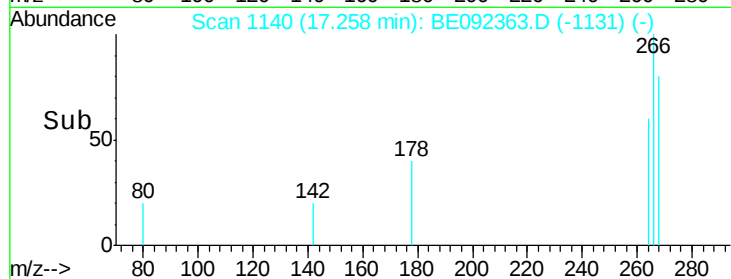
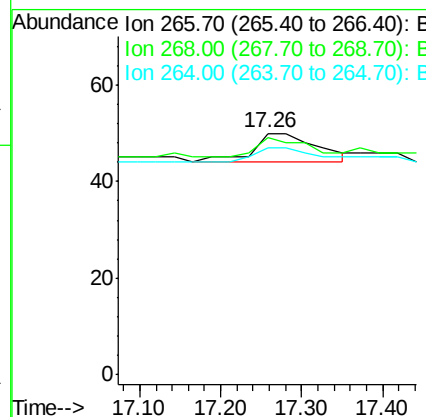
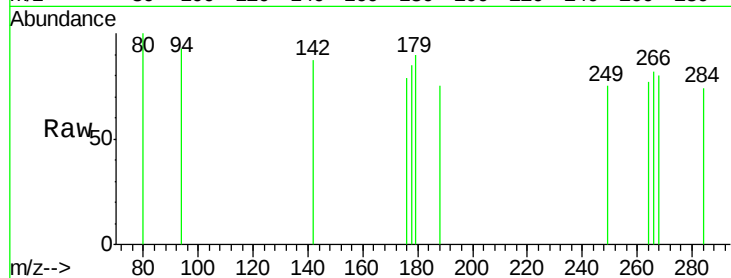




#20
 Pentachlorophenol
 Concen: 0.11 ng
 RT: 17.26 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BE092363.D
 Acq: 9 Sep 2016 20:16

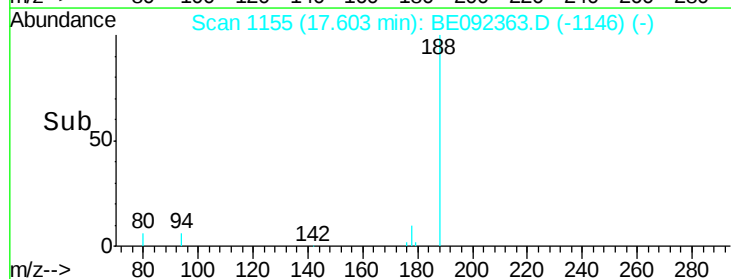
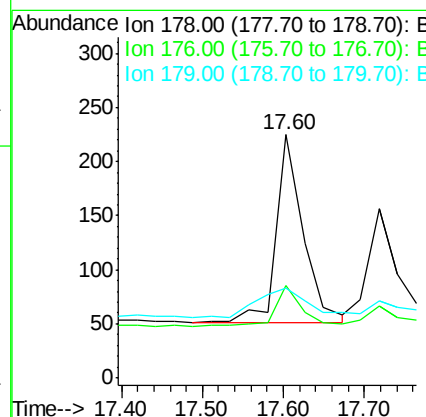
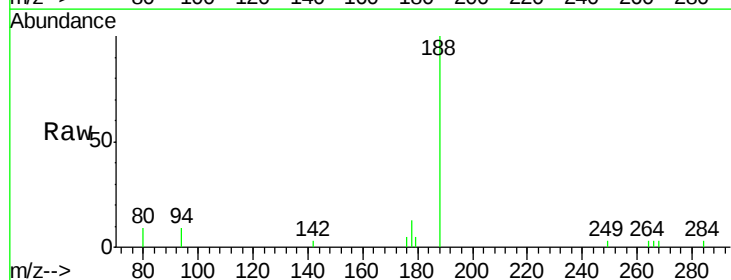
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-006

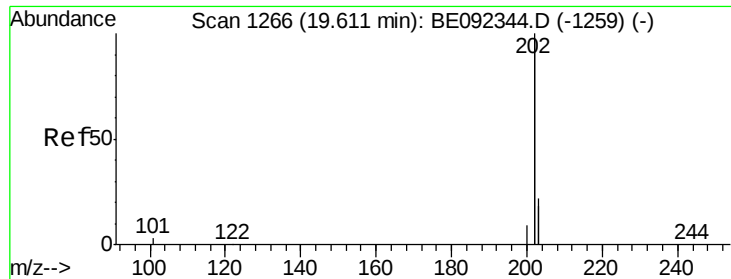
Tgt Ion: 266 Resp: 33
 Ion Ratio Lower Upper
 266 100
 268 98.0 62.5 93.7#
 264 94.0 57.2 85.8#



#21
 Phenanthrene
 Concen: 0.02 ng
 RT: 17.60 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE092363.D
 Acq: 9 Sep 2016 20:16

Tgt Ion: 178 Resp: 405
 Ion Ratio Lower Upper
 178 100
 176 21.2 15.8 23.8
 179 30.1 16.0 24.0#

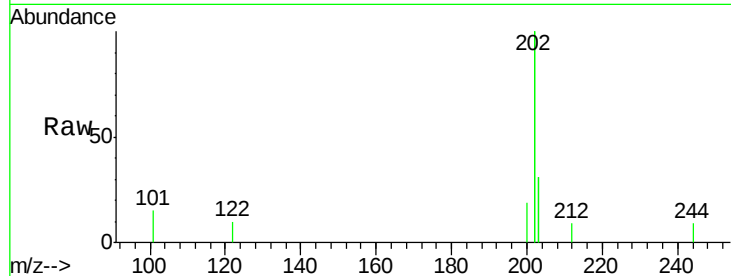




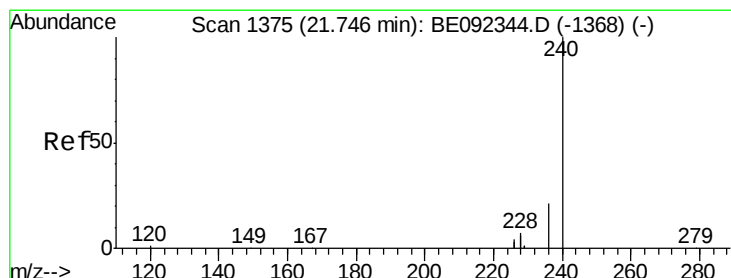
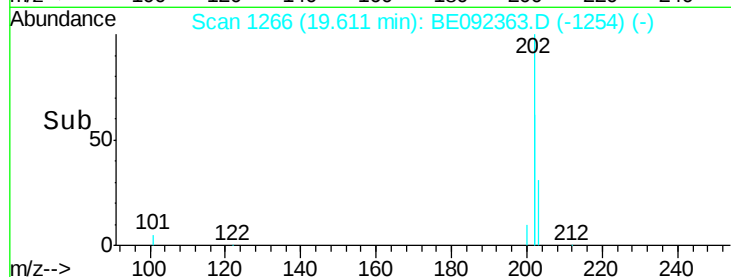
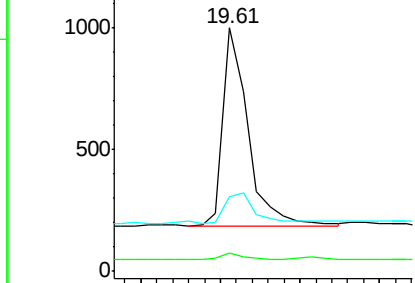
#23
 Fluoranthene
 Concen: 0.02 ng
 RT: 19.61 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: BE092363.D
 Acq: 9 Sep 2016 20:16

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-006

Tgt Ion: 202 Resp: 1773
 Ion Ratio Lower Upper
 202 100
 101 2.9 2.2 3.4
 203 21.3 13.7 20.5#

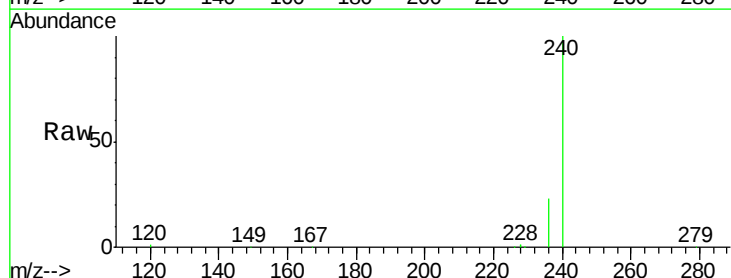


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

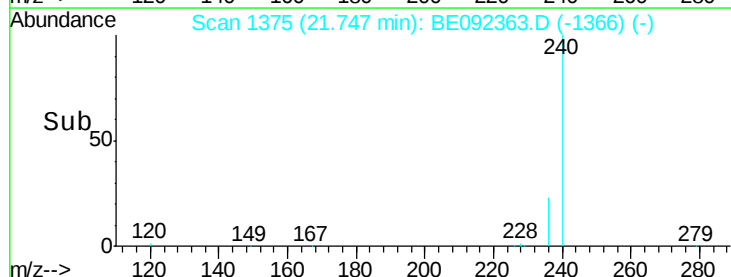
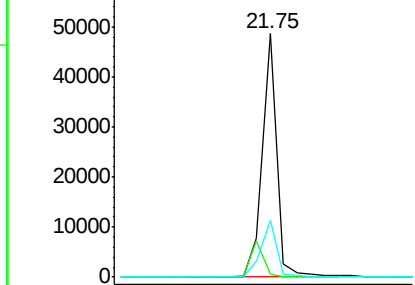


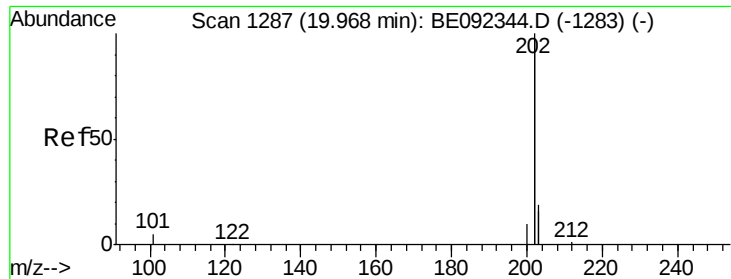
#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BE092363.D
 Acq: 9 Sep 2016 20:16

Tgt Ion: 240 Resp: 82647
 Ion Ratio Lower Upper
 240 100
 120 1.1 2.6 4.0#
 236 23.3 24.6 37.0#



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

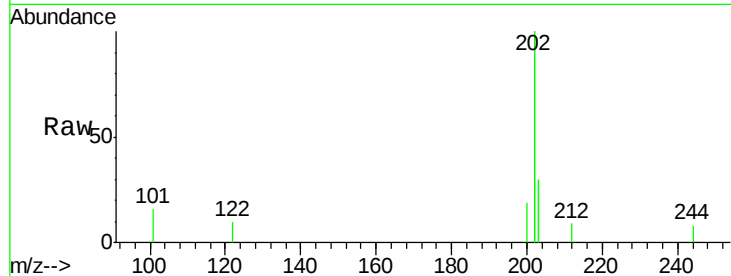




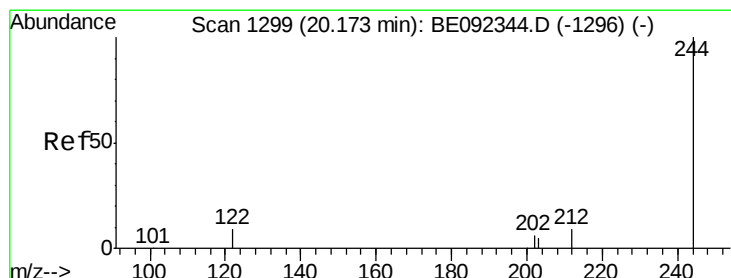
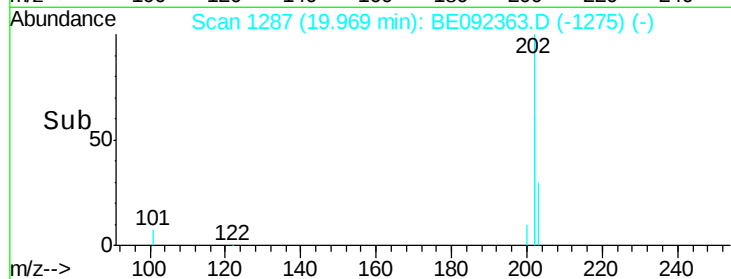
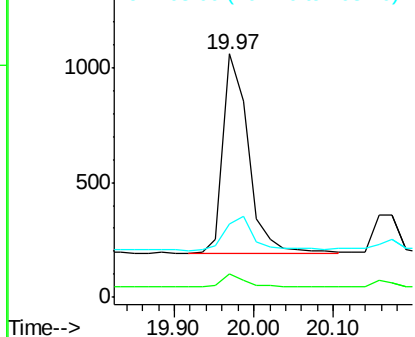
#25
 Pyrene
 Concen: 0.02 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BE092363.D
 Acq: 9 Sep 2016 20:16

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-006

Tgt Ion: 202 Resp: 1930
 Ion Ratio Lower Upper
 202 100
 200 5.4 4.2 6.4
 203 19.9 13.9 20.9

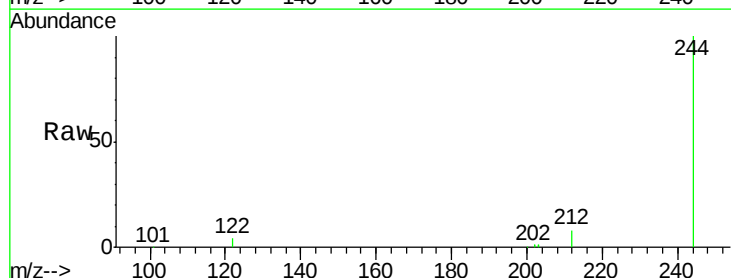


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

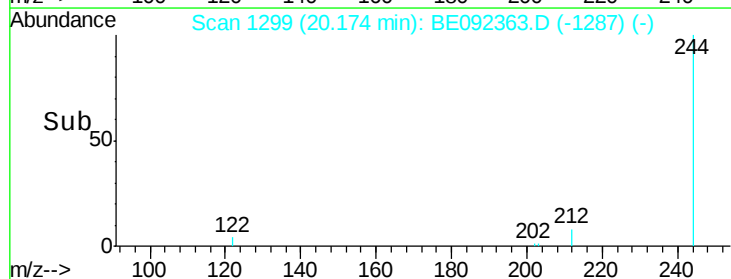
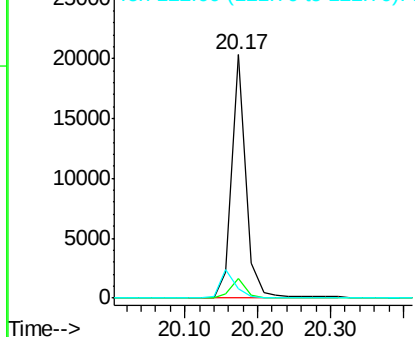


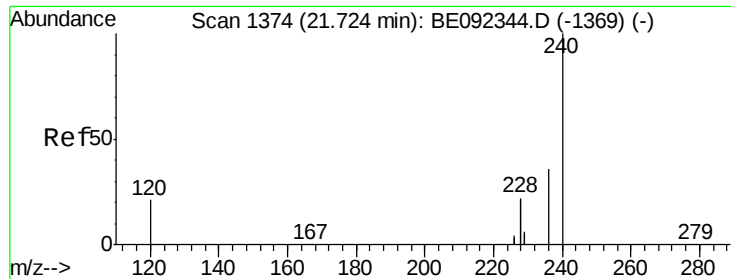
#26
 Terphenyl-d14
 Concen: 2.20 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BE092363.D
 Acq: 9 Sep 2016 20:16

Tgt Ion: 244 Resp: 26944
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.7 10.1
 122 4.0 3.6 5.4



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

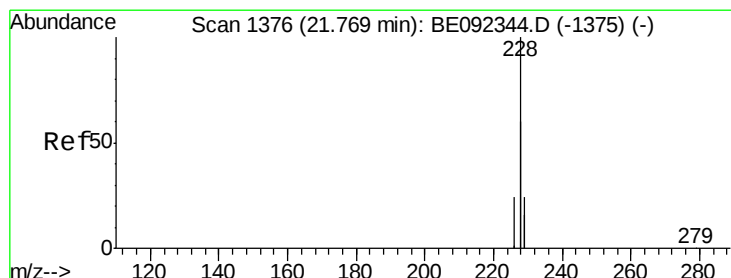
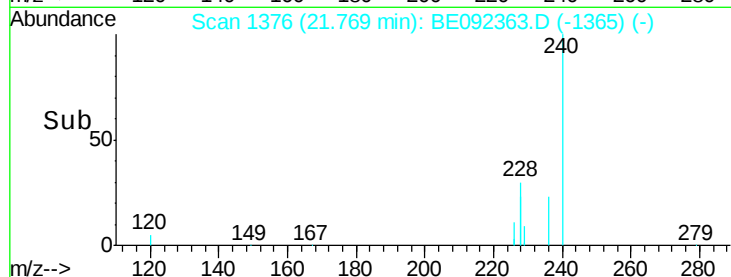
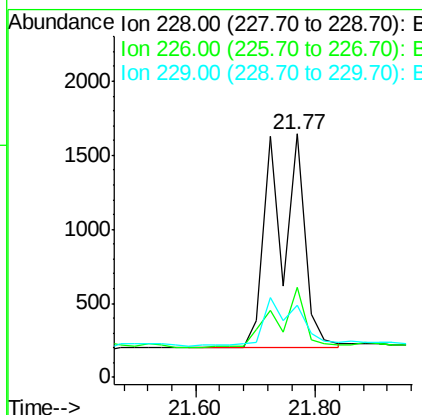
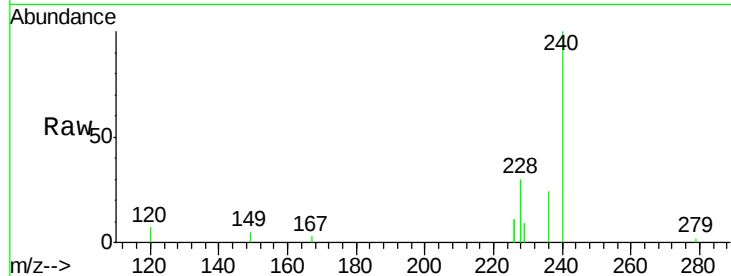




#27
Benzo(a)anthracene
Concen: 0.06 ng
RT: 21.77 min Scan# 1376
Delta R.T. 0.05 min
Lab File: BE092363.D
Acq: 9 Sep 2016 20:16

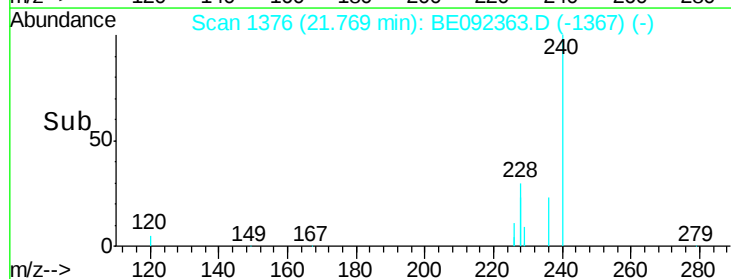
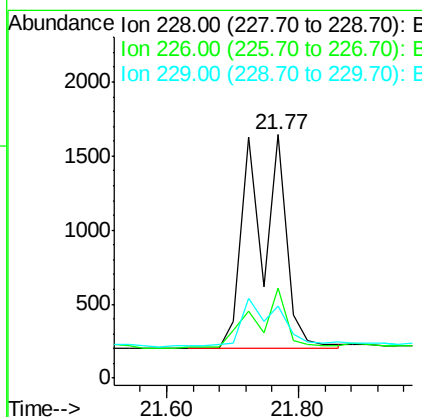
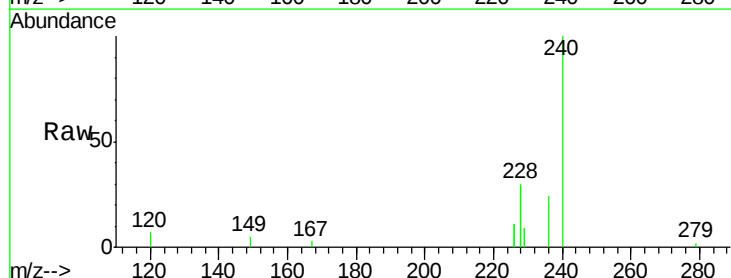
Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-006

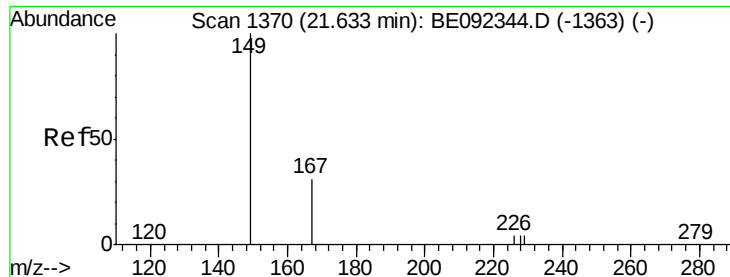
Tgt Ion:228 Resp: 5170
Ion Ratio Lower Upper
228 100
226 37.2 23.6 35.4#
229 29.7 13.3 19.9#



#28
Chrysene
Concen: Below Cal
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092363.D
Acq: 9 Sep 2016 20:16

Tgt Ion:228 Resp: 5176
Ion Ratio Lower Upper
228 100
226 37.2 36.3 54.5
229 29.7 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 21.63 min Scan# 1370

Delta R.T. 0.00 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-006

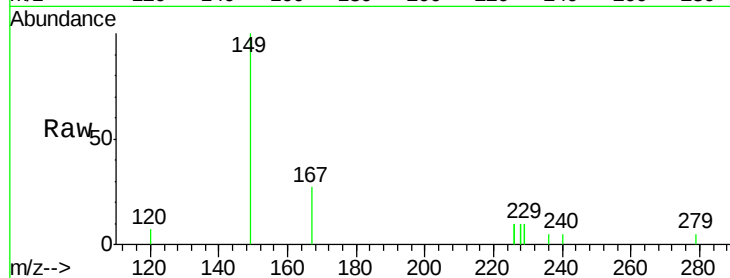
Tgt Ion:149 Resp: 1342

Ion Ratio Lower Upper

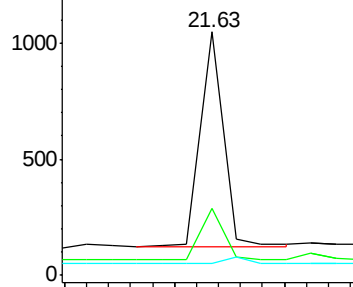
149 100

167 23.9 16.0 24.0

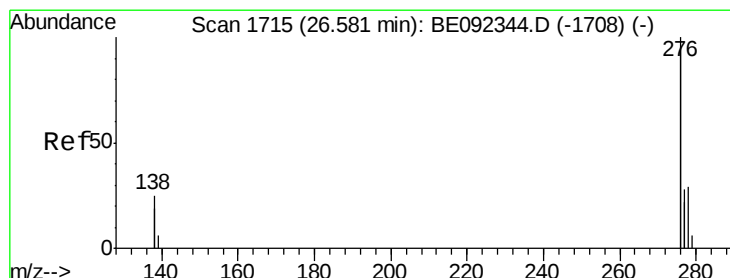
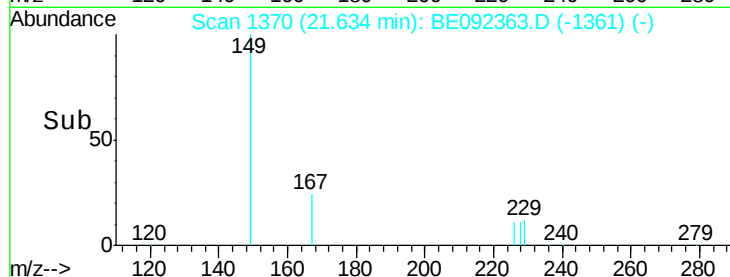
279 0.0 16.0 24.0#



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



Time--> 21.50 21.60 21.70



#30

Indeno(1,2,3-cd)pyrene

Concen: 0.02 ng

RT: 26.60 min Scan# 1716

Delta R.T. 0.02 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

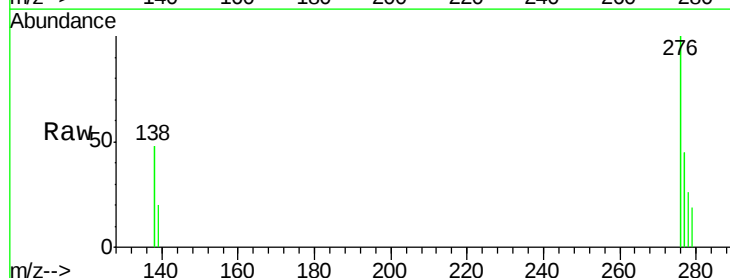
Tgt Ion:276 Resp: 2343

Ion Ratio Lower Upper

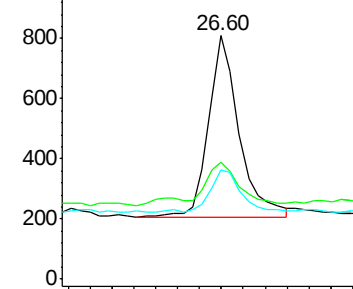
276 100

138 22.4 20.3 30.5

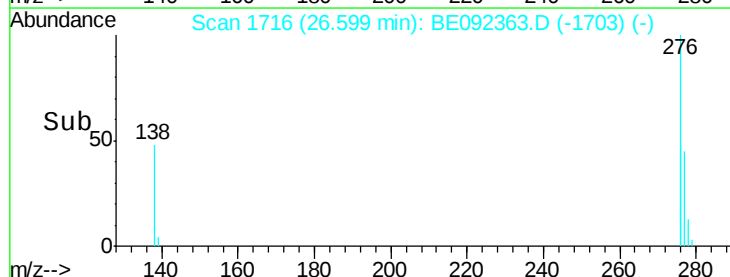
277 23.2 19.7 29.5

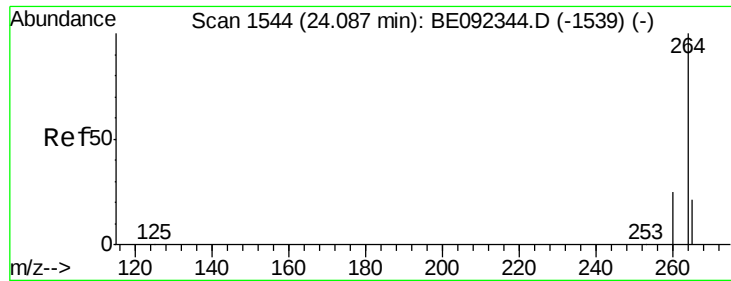


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 26.40 26.60 26.80

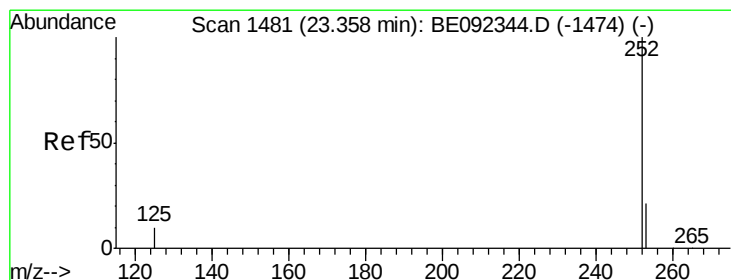
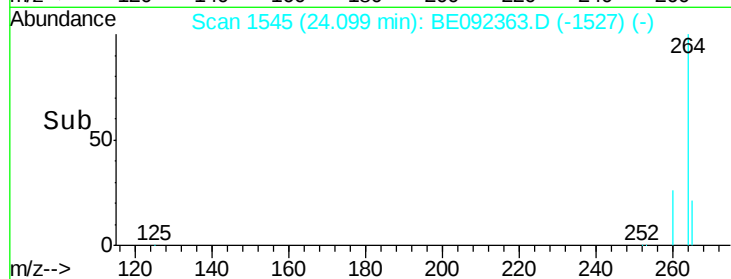
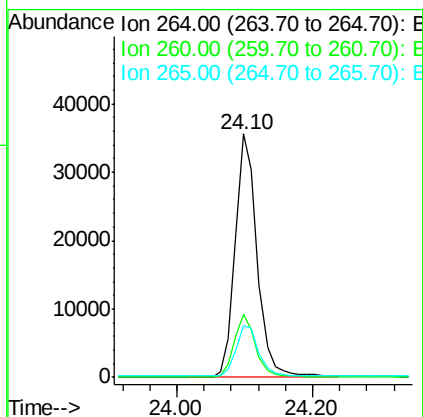
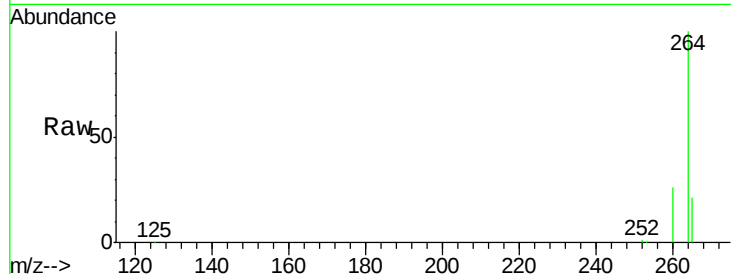




#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.10 min Scan# 1545
 Delta R.T. 0.01 min
 Lab File: BE092363.D
 Acq: 9 Sep 2016 20:16

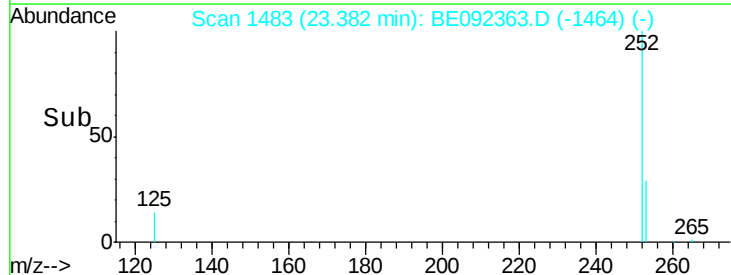
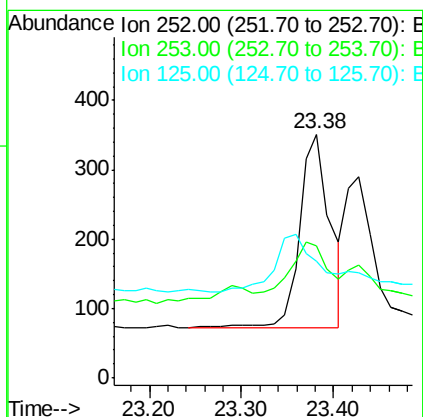
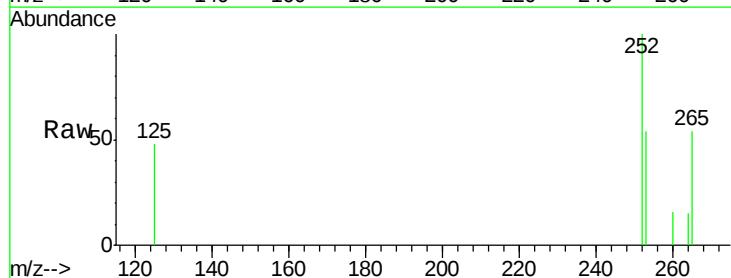
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-006

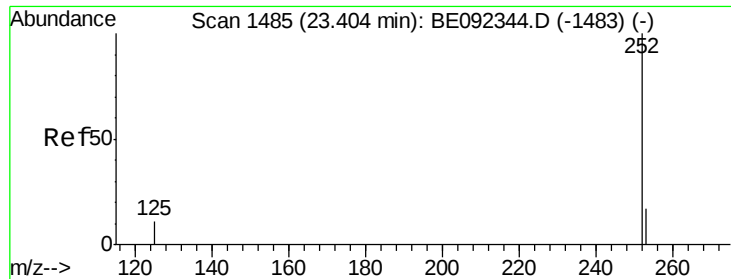
Tgt Ion: 264 Resp: 80548
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.1 30.1
 265 21.3 17.9 26.9



#32
Benzo(b)fluoranthene
 Concen: 0.03 ng
 RT: 23.38 min Scan# 1483
 Delta R.T. 0.02 min
 Lab File: BE092363.D
 Acq: 9 Sep 2016 20:16

Tgt Ion: 252 Resp: 641
 Ion Ratio Lower Upper
 252 100
 253 54.1 18.7 28.1#
 125 47.9 10.5 15.7#





#33

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.43 min Scan# 1487

Delta R.T. 0.02 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-006

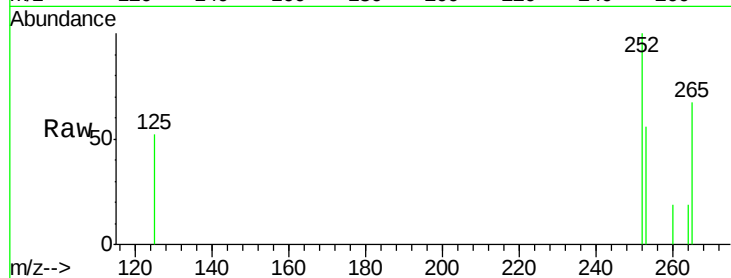
Tgt Ion:252 Resp: 452

Ion Ratio Lower Upper

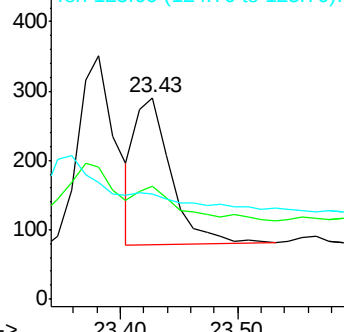
252 100

253 55.9 20.3 30.5#

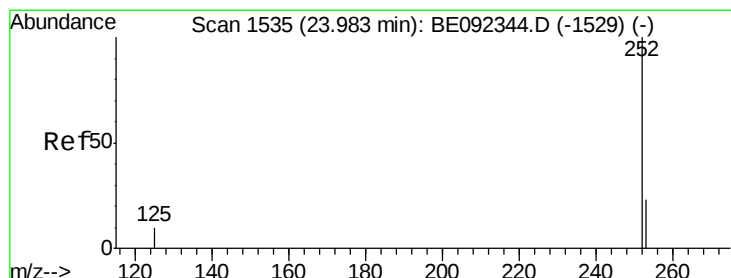
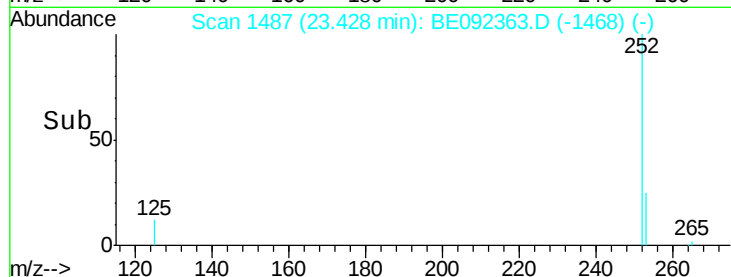
125 52.1 9.6 14.4#



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



Time-->



#34

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.99 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

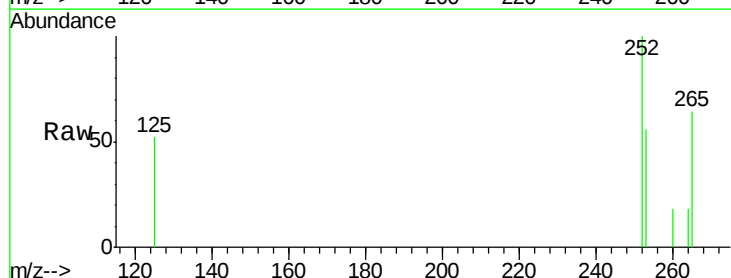
Tgt Ion:252 Resp: 496

Ion Ratio Lower Upper

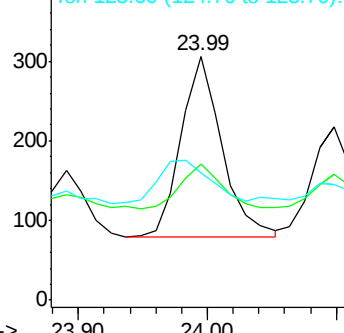
252 100

253 55.9 19.0 28.6#

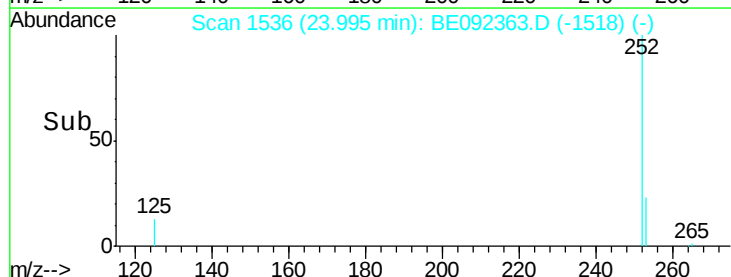
125 52.3 11.8 17.8#

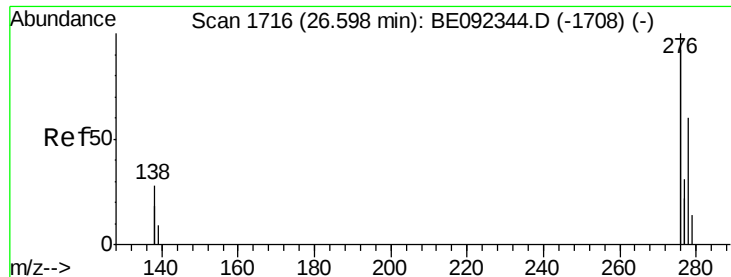


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#35

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.62 min Scan# 1717

Delta R.T. 0.02 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-006

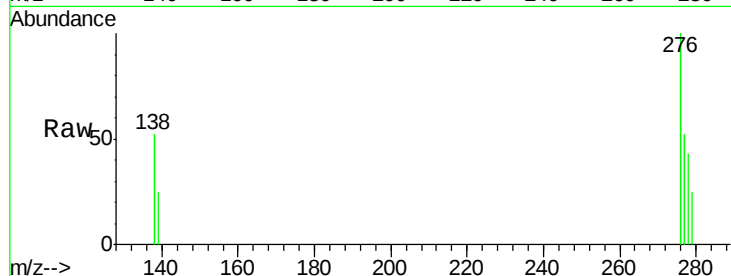
Tgt Ion: 278 Resp: 385

Ion Ratio Lower Upper

278 100

139 57.0 13.8 20.8#

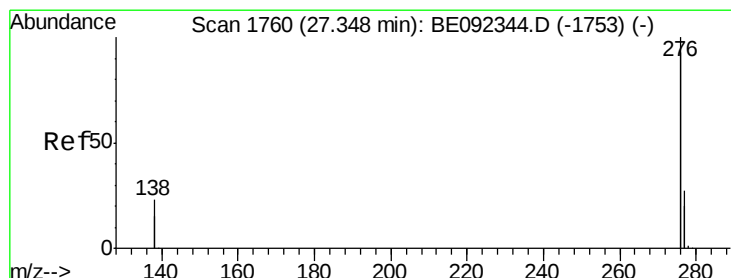
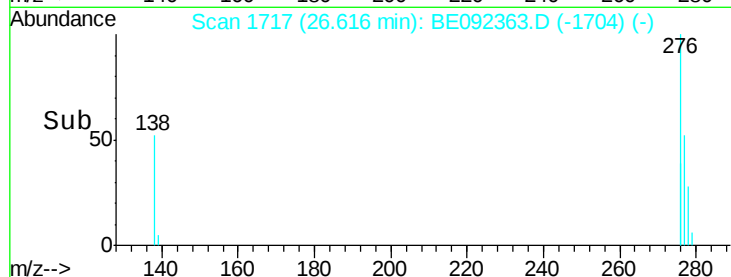
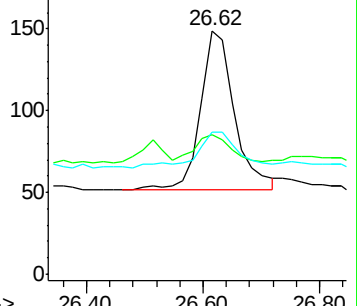
279 58.4 21.4 32.2#



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



#36

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 27.37 min Scan# 1761

Delta R.T. 0.02 min

Lab File: BE092363.D

Acq: 9 Sep 2016 20:16

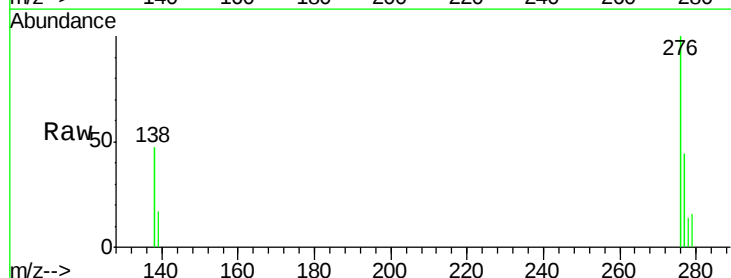
Tgt Ion: 276 Resp: 2499

Ion Ratio Lower Upper

276 100

277 43.9 19.8 29.8#

138 46.6 19.8 29.6#



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

